CITY OF ALBUQUERQUE, NEW MEXICO
DEPARTMENT OF MUNICIPAL DEVELOPMENT

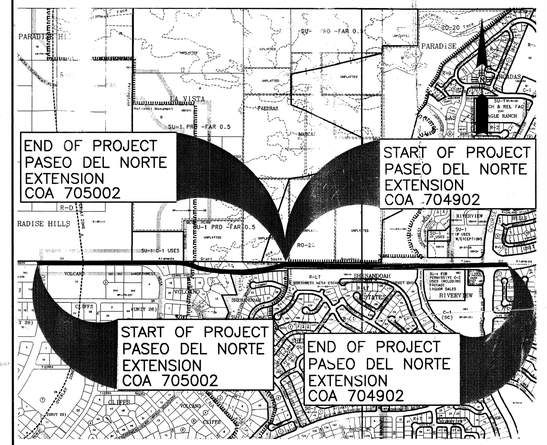
CONSTRUCTION PLANS
FOR

PASEO DEL NORTE EXTENSION

KIMMICK DR. TO GOLF COURSE RD.

COA PROJECT NO. 705002:
STA 10+00 TO STA 43+84.02

COA PROJECT NO. 704902:
STA 43+84.02 TO STA 75+91.02
(DESIGN BY PARSONS BRINCKERHOFF)



VICINITY MAP
ZONE ATLAS: C-11, C12

CERTIFICATION:
THESE DRAWINGS HAVE BEEN REVISED IN ACCORDANCE WITH THE INFORMATION FURNISHED BY SALLS BROTHERS TO REFLECT THE CONSTRUCTION AS ACTUALLY ACCOMPLISHED.

SAVINA GARCIA NEW MEXICO 16020 LICENSED PROFESSIONAL ENGINEER
01-03-2008
WILSON & COMPANY, INC.
RECORD DRAWINGS

APPROVAL OF RECORD DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 1 Feb 05
M. RIODAN

WILSON & COMPANY
4900 LANG AVE., NE
SUITE 100
ALBUQUERQUE, NEW MEXICO 87109

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE

ENGINEERS STAMP & SIGNATURE

SAVINA GARCIA NEW MEXICO 16020 LICENSED PROFESSIONAL ENGINEER 2-24-05

APPROVALS	ENGINEER	DATE
DRC Chairman		11-21-05
Transportation		3/1/05
Water/Wastewater	William J. Mahr	3/2/05
Hydrology	Bradley L. Bingham	2.25.05
C.I.P.	N/A	N/A
Const. Coord.	Robert W. Strong	25 FEB 05
NMUI		2/28/05
AMAFCA	Julie Piccelly	3-3-05

APPROVED FOR CONSTRUCTION
Bradley L. Bingham 11/21/05
City Engineer Date

City Project No.
COA 705002

SHEET NO.
1-1

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SEE BELOW

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LEGEND

- 1 / 5331.68 / X 5291.6 — BHI HORIZONTAL & VERTICAL PANEL POINT
- SPOT ELEVATION
- 5295 — INDEX CONTOUR
- INTERMEDIATE CONTOUR
- DEPRESSION INDEX CONTOUR
- DEPRESSION INTERMEDIATE CONTOUR
- BUILDING
- SIDEWALK
- UNGRADED ROAD
- FOOT PATH
- INTERMITTENT STREAM
- SINGLE POST SIGN
- MASONRY WALL
- RETAINING WALL
- BARBWIRE FENCE
- RIGHT OF WAY

AS-BUILT INFORMATION
CONTRACTOR Sais Bros. DATE 1/06
WORK STAKED BY Suntek DATE
INSPECTOR'S REMARKS BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY Wilson + Co DATE 1/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
SANTIAGO E. GARCIA NEW MEXICO 16020 REGISTERED PROFESSIONAL ENGINEER
11-21-05

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	SGG	DATE FEB 2005
DRAWN BY	ELO/RP	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
INDEX OF SHEETS & SYMBOL LEGEND

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 1 Of 2

WILSON & COMPANY

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GENERAL NOTES:

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS, 1986 EDITION, AS AMENDED THROUGH UPDATE NO. 7.
2. THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ADVISE OF AND SCHEDULE ACCESS CLOSURES, AT LEAST 24 HOURS IN ADVANCE, WITH PROPERTY OWNERS AND THE CONSTRUCTION PROJECT MANAGER.
3. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION.
4. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, (505) 260-1990, FOR LOCATION OF EXISTING UTILITIES.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING, AT THEIR OWN EXPENSE, ALL PERMITS NECESSARY FOR CONSTRUCTION.
6. ALL WORK IMPACTING AN ARTERIAL ROADWAY WILL REQUIRE 24-HOUR CONSTRUCTION IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE'S ORANGE BARREL POLICY.
7. CRITICAL INTERSECTION WORK SHALL NOT START UNTIL THE CONTRACTOR HAS ALL MATERIAL, EQUIPMENT, AND NECESSARY PERSONNEL ON-SITE. TRAFFIC CONTROL DEVICES SHALL NOT BE PLACED PREMATURELY.
8. OVERNIGHT PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
9. THE CONSTRUCTION CLEAR ZONE FOR THIS PROJECT IS 20 FEET FROM THE EDGE OF DRIVING LANE. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN THE CONSTRUCTION CLEAR ZONE UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE PROJECT MANAGER BEFORE IMPLEMENTING. THIS WORK, INCLUDING DESIGN, INSTALLATION, AND REMOVAL OF THE SHIELDING, SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO ADDITIONAL PAYMENT WILL BE MADE.
10. THE CONTRACTOR SHALL NOTIFY THE ALBUQUERQUE TRAFFIC ENGINEERING DIVISION THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK REQUIRED REGARDING ALL EXISTING REGULATORY SIGNS AND SIGNALS THAT NEED TO BE REMOVED, RELOCATED, OR REINSTALLED. CALL 857-8680. REFER TO SECTION 18.4.4 OF THE SPECIFICATIONS.
11. WHEN EXISTING TRAFFIC SIGNALS ARE TURNED OFF, THE CONTRACTOR SHALL HAVE AN OFF-DUTY POLICE OFFICER DIRECT TRAFFIC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO ADDITIONAL PAYMENT WILL BE MADE.
12. THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT THE CONTRACTOR'S EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
13. THE CONTRACTOR WILL BE REQUIRED TO CONFINE THEIR WORK WITHIN THE CONSTRUCTION LIMITS AND/OR RIGHT OF WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES.
14. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT BUILDING STRUCTURES ADJACENT TO THE PROJECT NOT BE DAMAGED DUE TO ANY CONSTRUCTION ACTIVITIES. DAMAGE CAUSED TO ANY BUILDING STRUCTURE WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING ALL COSTS INCURRED IN RESTORING/REPAIRING SAID DAMAGE.
15. THE CONTRACTOR SHALL SUBMIT A PROPOSED WORK PLAN FOR PEDESTRIAN IMPROVEMENTS TO THE PROJECT MANAGER FOR REVIEW AND APPROVAL PRIOR TO INITIATING ANY WORK AFFECTING PEDESTRIANS. THIS PLAN SHALL INCLUDE THE METHOD PROPOSED TO MAINTAIN PEDESTRIAN ACCESS TO BUSINESSES, SCHOOLS, HOSPITALS, BUILDINGS, ETC. THROUGHOUT THE PEDESTRIAN IMPROVEMENTS CONSTRUCTION IN PARTICULAR. THE CONTRACTOR, AT MINIMUM, SHALL MAINTAIN A 36" CLEAR PATH FOR PEDESTRIANS SO AS TO MEET ADA ACCESSIBILITY REQUIREMENTS.
16. THROUGHOUT THE LIFE OF THIS PROJECT, THE CONTRACTOR SHALL KEEP THE LOCAL NEWS MEDIA INFORMED OF CONSTRUCTION ACTIVITIES THAT WILL IMPEDE THE NORMAL FLOW OF TRAFFIC.
17. THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN TWO WEEKS, AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE PROJECT MANAGER THROUGHOUT THE PROJECT AND WILL BE REVISED BY THE PROJECT MANAGER FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE PROJECT MANAGER PRIOR TO FINAL PAYMENT.
18. VIBRATION MONITORING AND VIDEO TAPING SHALL BE PERFORMED IN AND AROUND ALL STRUCTURES AS DEFINED IN THIS GENERAL NOTE AND AS DIRECTED BY THE PROJECT MANAGER. "STRUCTURES" IS DEFINED AS BRIDGES, CULVERTS, CATCH BASINS, DROP INLETS, RETAINING WALLS, CRIBBING, MANHOLES, ENDWALLS, BUILDINGS, SANITARY SEWERS, SERVICE PIPES, UNDERDRAINS, FOUNDATION DRAINS, AND OTHER SUCH FEATURES THAT MAY BE ENCOUNTERED IN THE WORK. THE CONSTRUCTION AREA AND AREAS ADJACENT TO THE LIMITS OF CONSTRUCTION SHALL BE VIDEO TAPED PRIOR TO THE START OF CONSTRUCTION. VIBRATION MONITORING, VIDEOTAPING, AND RELATED WORK SHALL BE PERFORMED ACCORDING TO THE SPECIFICATIONS INCLUDED IN THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS OF THE CONTRACT BOOK AND PAID FOR AT THE LUMP SUM CONTRACT PRICE FOR ITEM 1600.001 VIBRATION MONITORING AND VIDEO TAPING, COMPLETE
19. THE CONTRACTOR SHALL MAINTAIN A GRAFFITI FREE WORK SITE AND SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
20. THE CONTRACTOR SHALL BE RESTRICTED TO THE USE OF A 35 TON MAXIMUM NON-VIBRATORY ROLLER TO OBTAIN THE REQUIRED COMPACTION IN PAVEMENT STRUCTURE, ROADWAY BACKFILL, EMBANKMENT, AND SUBGRADES IN URBAN AREAS WHERE THE USE OF HEAVIER EQUIPMENT COULD DAMAGE UNDERGROUND UTILITIES OR OTHER PERMANENT STRUCTURES.
21. ALL NEW STREET PAVING, CURB AND GUTTER, SIDEWALKS OR DRIVE PADS SHALL MATCH THE ELEVATIONS OF ABUTTING EXISTING AREAS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE PROJECT MANAGER.
22. MANHOLE RIM ELEVATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND WILL VARY WITH THE FINISHED PAVEMENT ELEVATIONS.
23. ALL RADII OF CURB RETURNS ARE SHOWN TO THE FACE OF CURB AND, UNLESS OTHERWISE NOTED, ALL OFFSETS AND DIMENSIONS ARE TO THE FACE OF CURB.
24. ALL FINISHED GRADES AND PROFILES SHOWN ARE TOP OF CURB GRADES, UNLESS OTHERWISE NOTED. MATCH FLOWLINES OF GUTTERS WHEN CONNECTING NEW CURB AND GUTTER WITH EXISTING CURB AND GUTTER.
25. EXACT LOCATION OF DRIVEPADS AND WHEELCHAIR RAMPS WILL BE DETERMINED IN THE FIELD BY THE FIELD ENGINEER. LOCATIONS SHOWN ON PLAN AND PROFILE SHEETS ARE APPROXIMATE.
26. WHERE PULL BOXES ABUT THE BACK OF CURB OR ARE LOCATED IN A CONCRETE PAVED AREA, PROVIDE 3/4" EXPANSION MATERIAL AROUND THE PULL BOX. ALL PULL BOXES TO BE FLUSH WITH SURFACE OF CONCRETE.
27. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED AT ALL CURB RETURNS CONSTRUCTED WITH THIS PROJECT AT THE LOCATIONS SHOWN ON PLANS, IN ACCORDANCE WITH THE CITY STANDARD DETAILS, OR AS OTHERWISE NOTED.
28. WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT, TO FULL PAVEMENT DEPTH, THE EXISTING PAVEMENT TO A NEAT VERTICAL STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING. THIS WORK SHALL BE CONSIDERED INCIDENTAL AND NO ADDITIONAL PAYMENT WILL BE MADE.
29. THE CONTRACTOR SHALL VERIFY ALL EXISTING FIRE HYDRANT FLANGES, PADS, VALVE BOXES, MANHOLE RIMS AND TOP OF PIPE ELEVATIONS IN THE FIELD. ELEVATIONS SHALL BE ADJUSTED TO COMPLY WITH THE REQUIREMENTS OF THE STANDARD CITY DETAILS.
30. WHEN APPEARING IN ANY PORTION OF THIS CONTRACT, THE WORDS "PLANT MIX BITUMINOUS PAVEMENT" (PMBP) WILL HAVE THE SAME MEANING AS AND MAY BE USED INTERCHANGEABLY WITH THE WORDS "ASPHALT CONCRETE".
31. ENDS OF NEW CURB AND GUTTER SHALL BE TAPERED FROM 8" TO 0" IN HEIGHT OVER A LENGTH OF 5 FEET. PAYMENT FOR THIS WORK SHALL BE PAID FOR AS LINEAR FEET OF STANDARD CURB AND GUTTER AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFORE.
32. THE CONTRACTOR SHALL WARP SLOPES WHERE NECESSARY TO STAY WITHIN THE RIGHT OF WAY OR CONSTRUCTION EASEMENT LIMITS. THE WORK SHALL BE AS DIRECTED BY THE PROJECT MANAGER.
33. THE SUBGRADE PREP SHALL EXTEND ONE (1) FOOT BEYOND THE FREE EDGE OF NEW SIDEWALK.
34. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVEPADS, HANDICAP RAMPS, AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REMOVE AND REPLACE AS PER COA STANDARDS AT THEIR OWN EXPENSE.
35. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THE PROJECT. ADDITIONAL REMOVALS NOT SHOWN ON THE PLANS WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR 202.01 – REMOVE AND SALVAGE OR DISPOSE STRUCTURES AND OBSTRUCTIONS. HAULING OF REMOVALS AND MATERIAL TO BE DISPOSED SHALL BE CONSIDERED AS INCIDENTAL TO THE PROJECT.
36. MILLED BITUMINOUS CONCRETE PAVEMENT WILL BE STOCKPILED FOR THE CITY AT THE BALLOON FIESTA FIELD PARK. CONTACT STREET MAINTENANCE FOR FURTHER DETAILS. ANY HAUL COSTS ASSOCIATED WITH THIS WORK IS CONSIDERED INCIDENTAL TO THE PROJECT.
37. WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE TO NEAREST JOINT.
38. ALL CONSTRUCTION DEBRIS, SPOIL AND NON-SALVAGEABLE ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND PROPER DISPOSAL OF THESE ITEMS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY HAUL COSTS ASSOCIATED WITH THIS WORK IS CONSIDERED INCIDENTAL TO THE PROJECT.
39. SALVAGEABLE MATERIALS FROM THIS PROJECT ARE TO BE HAULED AND STOCKPILED AT THE FOLLOWING LOCATIONS: LUMINARES, SIGNAL ITEMS AND SIGNING CITY OF ALBUQUERQUE PINO YARDS AND WATERLINE ITEMS NEW MEXICO UTILITIES INC., OR AS DIRECTED BY THE PROJECT MANAGER. HAUL OF SUCH MATERIAL SHALL BE PERFORMED DURING NORMAL WORKING HOURS AS DIRECTED BY THE PROJECT MANAGER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE FOR EACH SALVAGE ITEM.
40. ALL TRENCH EXCAVATION BACKFILL WITHIN THE ROADWAY PRISM SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR PER ASTM D-698 OR D-1557 AS APPLICABLE.
41. THE CONTRACTOR SHALL CLEAN ALL EXISTING STRUCTURES THAT ARE TO REMAIN OPERATIONAL. ALL STRUCTURES (NEW AND EXISTING) SHALL BE CLEAN AT THE TIME OF FINAL PROJECT ACCEPTANCE. THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE PROJECT. NO SEPARATE MEASUREMENT AND PAYMENT WILL BE MADE FOR CLEANING OF STRUCTURES.
42. ALL EXCAVATIONS FOR STORM DRAINS, AND OTHER EXCAVATIONS AS NECESSARY, SHALL BE GOVERNED BY THE CURRENT CONSTRUCTION SAFETY AND HEALTH STANDARDS.
43. EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR EMPLOYEES SAFETY.
44. GROUTING OF RCP: FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION SHALL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
45. NO MATERIAL PITS HAVE BEEN DESIGNATED FOR THIS PROJECT. THE CONTRACTOR MAY OBTAIN SPECIFICATION BORROW OR SURFACING MATERIAL FROM ANY ACCEPTABLE SOURCE.
46. ANY EARTHWORK HAUL ON THIS PROJECT WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR ITEM 0202.01 – EXCAVATE AND DISPOSE OF UNCLASSIFIED MATERIAL AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.
47. SHRINKAGE FACTOR: A SHRINKAGE FACTOR OF 20% SHALL BE APPLIED TO COMPENSATE FOR THE CHANGE IN MATERIAL VOLUME FOR CUT TO FILL SECTIONS. EARTHWORK QUANTITIES ARE BASED ON THIS SHRINKAGE FACTOR FOR ROADWAY EMBANKMENT..
48. THE DESIGN R-VALUE FOR THIS PROJECT IS 43. WHERE SOILS WITH AN R-VALUE OF LESS THAN 43 OCCUR AT FINISHED SUBGRADE ELEVATION OF PAVED ROADWAY AREAS, THESE SOILS SHALL BE OVEREXCAVATED A VERTICAL DEPTH OF AT LEAST THREE (3) FEET AND FOR A LATERAL DISTANCE OF AT LEAST THREE (3) FEET OUTSIDE OF THE BACK EDGE OF CURB (SEE CITY OF ALBUQUERQUE STANDARD DESIGN SECTIONS.). THE OVEREXCAVATED MATERIAL SHALL BE PLACED WITH A MORE GRANULAR MATERIAL HAVING AN R-VALUE OF AT LEAST 43.
49. EARTHWORK (EXCEPT UNSUITABLE MATERIAL, FOR THIS PROJECT SHALL BE PAID AS PER SECTION 202 ROADWAY EXCAVATION, NAMELY 202.8 SELECT MATERIAL AND 202.7 SURPLUS MATERIAL, OF THE COA STANDARD SPECIFICATIONS AND BID ITEMS 202.011 EXCAVATE AND DISPOSE OF UNCLASSIFIED MATERIAL, COMPLETE; 202.012 EXCAVATION, PLACEMENT, AND COMPACTION OF SELECT MATERIAL, CIP. HAULING IS CONSIDERED AS INCLUDED IN THESE ITEMS AND NO ADDITIONAL MEASUREMENT OR PAYMENT WILL BE MADE. SURPLUS UNCLASSIFIED MATERIAL SHALL BE DISPOSED OF IN A MANNER ACCEPTABLE TO THE PROJECT ENGINEER AS PER SECTION 202.7 SURPLUS MATERIAL OF THE COA STANDARD SPECIFICATIONS. IF THE CONTRACTOR CHOOSES AN ALTERNATE CONSTRUCTION PHASING PLAN OTHER THAN THE ONE DETAILED IN THESE PLANS, THE CONTRACTOR SHALL DEVELOP AN EARTHWORK PHASING PLAN DETAILING CUT AND FILL, SURPLUS, STOCKPILING (IF REQUIRED), AND BORROW (IF REQUIRED) AND SUBMIT IT TO THE PROJECT ENGINEER TWO (2) WEEKS PRIOR TO BEGINNING EARTHWORK OPERATIONS. ANY ADDITIONAL COST FOR THE ALTERNATE PLAN WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
50. IF UNSUITABLE MATERIAL IS DISCOVERED THE REMOVAL AND DISPOSAL, INCLUDING HAULING OF SUCH UNSUITABLE MATERIAL, AS DESCRIBED IN SECTION 202 EXCAVATION OF THE COA STANDARD SPECIFICATIONS, WILL BE PAID FOR UNDER THE ITEM 202.010 EXCAVATE AND DISPOSE OF UNSUITABLE MATERIAL, COMPLETE.
51. IN PORTIONS OF THE ALIGNMENT WHERE CONSTRUCTION EXCAVATIONS WILL PENETRATE THROUGH SOIL, BASALT BEDROCK AND UNDERLYING SANDS AND GRAVELS, THE EXCAVATIONS SHOULD MAINTAIN A MAXIMUM STEEPNESS OF TEMPORARY SLOPES OF 1.5:1 (HORIZONTAL:VERTICAL) PROVIDED THERE ARE NO EQUIPMENT OR SOIL STOCKPILE SURCHARGE LOADS. IF HIGHLY FRACTURED BASALT BEDROCK IS EXPOSED IN THE FACE OF ANY EXCAVATION, THE PROJECT ENGINEER SHALL BE NOTIFIED IMMEDIATELY SO THAT AN EVALUATION OF IT'S STABILITY CAN BE PERFORMED.
52. STRUCTURAL FILL: STRUCTURAL FILL FOR EMBANKMENTS, PAVEMENTS, AND STRUCTURES SHALL BE PLACED IN LIFTS THAT, FOLLOWING COMPACTION, DO NOT EXCEED 8". FILLS SHALL BE COMPACTED AT MOISTURE CONTENTS WITHIN +/- 2% OF OPTIMUM MOISTURE CONTENT. SELECT STRUCTURAL FILL AROUND CULVERTS AND OTHER STRUCTURES SHOULD BE COMPACTED, USING HAND OPERATED COMPACTION EQUIPMENT AND IN LIFTS NOT EXCEEDING 4", TO THE DENSITY AND MOISTURE CONTENT SPECIFIED ABOVE. THE UPPER 12" OF ROADBEDS SHALL BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY (ASTM 1557).
53. THE CONTRACTOR SHALL SLOPE STAKE THE ENTIRE PROJECT PRIOR TO CONSTRUCTION AND SHALL COMPILE THEIR OWN EARTHWORK QUANTITIES TO CONFIRM ESTIMATED QUANTITIES (THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE). THESE QUANTITIES WILL NEED TO BE AGREED UPON BY THE OWNER.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

THE STA. IS A 3½" ALUMINUM CAP STAMPED "ACS 1-C11

1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION

CONTRACTOR Sails Bros. DATE 1/08

WORK PERFORMED BY Survtek DATE

INSPECTOR'S ACCEPTANCE BY DATE

FIELD VERIFICATION BY DATE

DRAWINGS COMPILED BY Wilson + Co. DATE 1/08

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

ELEVATION =

ENGINEER'S SEAL

SALVADOR GRIEGO 16020 REGISTERED PROFESSIONAL ENGINEER 2-24-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY SGG DATE FEB 2005

DRAWN BY ELO/RP DATE FEB 2005

CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
GENERAL NOTES

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER

Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002

Zone Map No. C-11

Sheet 1-3 Of

WILSON & COMPANY

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GENERAL NOTES CONTINUED:

54. ALL EXISTING UTILITIES SHOWN HEREIN WERE TAKEN FROM RECORD DRAWINGS, FIELD SURVEYS, C.O.A. SYSTEMS UTILITIES MAPS AND INFORMATION PROVIDED BY THE UTILITY OWNERS AND ARE APPROXIMATE. IT WILL BE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS AND TYPE OF EXISTING UTILITIES TO BE ADJUSTED OR EXTENDED AND TO PROVIDE PROTECTION FOR ALL UTILITIES WITHIN THE CONSTRUCTION AREA. THE CONTRACTOR WILL BE RESPONSIBLE FOR EXPLORATORY TRENCHING AND EXPOSING OF EXISTING UTILITIES (POTHOLING) TO CONFIRM SIZE, LOCATION, ETC. THIS WORK WILL BE CONSIDERED AS INCIDENTAL TO THE PROJECT.

55. CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION THAT MIGHT RESULT FROM PROJECT CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AND PRESERVE UTILITY EQUIPMENT AFFECTED BY PROJECT CONSTRUCTION. SHOULD THE CONTRACTOR BREAK AN EXISTING UTILITY LINE DURING CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL BE RESPONSIBLE FOR UTILITY REPAIR COSTS.

56. THE CONTRACTOR IS HEREBY ADVISED THAT UTILITY RELOCATION WORK AND/OR NEW CONSTRUCTION OF UTILITIES WILL HAVE TO BE PERFORMED CONCURRENT WITH CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE FOR UTILITY WORK IN CONJUNCTION WITH PROJECT CONSTRUCTION OPERATIONS AND SHALL BE REQUIRED TO COORDINATE THE SCHEDULING OF WORK WITH THE RESPECTIVE UTILITY OWNERS. A LIST OF CONTACT NAMES IS PROVIDED ON THIS SHEET.

    A UTILITY COORDINATION MEETING SHALL BE SET UP BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANY CONSTRUCTION ACTIVITY. COORDINATION OF UTILITY RELOCATION/NEW CONSTRUCTION SHALL BE DETAILED AT THIS MEETING.

57. THE CONTRACTOR SHALL NOTIFY THE LOCAL FIRE DEPARTMENT AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF WHEN FIRE HYDRANTS WILL BE TAKEN OUT OF SERVICE AND RETURNED TO SERVICE.

58. ALL GAS VALVE BOXES, GAS MANHOLES, ELECTRICAL MANHOLES, AND TELEPHONE MANHOLES WILL BE ADJUSTED TO GRADE BY OTHERS. THIS WORK SHALL BE COORDINATED WITH EACH UTILITY..

59. INSTALLATION OF PROPOSED OPEN SPACE FENCING PRIOR TO CONSTRUCTION: THE PROPOSED OPEN SPACE FENCING SHALL BE INSTALLED IN THE LOCATIONS DETAILED IN THESE PLANS PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY WITHIN 50 FEET OF THE RIGHT OF WAY. LAYOUT OF FENCING SHALL BE STAKED IN THE FIELD AND APPROVED BY PROJECT MANAGER PRIOR TO INSTALLATION. CONTRACTOR IS NOT AUTHORIZED TO CONDUCT ANY ACTIVITIES BEYOND THE FENCE.

60. A MINIMUM OF 48-HOURS PRIOR TO BEGINNING ANY EXCAVATION ACTIVITIES THE CONTRACTOR SHALL CONTACT THE PROJECT MANAGER.

61. THESE GENERAL NOTES APPLY TO BOTH COA PROJECT NO. 705002 AND COA PROJECT NO. 704902, UNLESS OTHERWISE NOTED.

UTILITY OWNERS:

Romanowski, Jeff	Office phone: (505) 241-7703 Office fax: 241-7753 jromaro@pnm.com	PNM – Gas Co. of NM Project Engineer 4625 Edith Blvd. NE Albuquerque, NM 87107
Crowel, David	Office phone: 842-2911 Office fax: 842-2890 dcrowel@att.com	AT&T Resource Supervisor 111 3rd Street NW Albuquerque, NM 87103
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Harrison, Royal	Office phone: (505) 938-7339 Office fax: (505) 938-7380 royal.harrison@twtelecom.com	Time Warner Telecom Plant Manager 3830 Singer Blvd. NE Suite 1000 Albuquerque, NM 87109
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Mueller, Rick	Office phone: (505) 244-3161 Office fax: (505) 244-0094 Mobile: 228-3329	McLeodUSA Supervisor of Outside Techs. 505 Marquette NW, (Compass Bank) Suite 1600 Albuquerque, NM 87102
Muller, David	Office phone: (505) 245-8706 Office fax: (505) 245-6733	QWEST/US WEST Capacity Provisioning Specialist 400 Tijeras Ave NW, Suite 710 Albuquerque, NM 87102
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Balch, Bill	Office phone: (505)768-2719 Office fax: (505) 768-3629 bbalch@cabq.gov	City of Albuquerque Engineer, Utility Development P.O. Box 1293 Albuquerque, NM 87103
Salgado, Monico	Office phone: (636) 328-0848 Office fax: (636) 217-0070	City Net Telecommunications Consultant 505 Marquette Ave. N.W. Suite 119-A Albuquerque, NM 87102
Bouchard, Mark	Office phone: (505) 241-3402 Office fax: (505) 241-0559 mboucha@pnm.com	PNM- Electric 4201 Edith Blvd. NE MS-ES61 Albuquerque, NM 87107

NEW MEXICO ONE CALL SYSTEM
CALL BEFORE YOU DIG
(505) 260-1990

AS-BUILT INFORMATION
CONTRACTOR Sails Bros. DATE 1/06
WORK PERFORMED BY: SunTek
INSPECTOR'S ACCEPTANCE BY DATE
ELEVATION VERIFICATION BY DATE
DRAWINGS CORRECTED BY: Wilson + Co. DATE 1/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP, THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTEMA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
NEW MEXICO GARCIA 18020 REGISTERED PROFESSIONAL ENGINEER
12-21-05

NO.	DATE	REMARKS
		REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY SGG DATE FEB 2005
DRAWN BY ELO/RP DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
GENERAL NOTES AND UTILITY CONTACT INFORMATION

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 1-4 Of

WILSON & COMPANY

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SUMMARY OF QUANTITIES

ITEM ID NO.	COA PROJECT 705002 ITEM DESCRIPTION	UNIT	EST. QUANTITY
	CONSTRUCTION ENGINEERING		
4.010	CONSTRUCTION STAKING & SURVEYING, PROJECT AS-BUILTS, COMPLETE.	LS	1
6.010	MOUNTING, INSTALLATION & MAINTENANCE OF PROJECT IDENTIFICATION SIGN, INCL. PLYWOOD, POSTS, AND	EACH	3
6.050	CONSTRUCTION MOBILIZATION, COMPLETE.	LS	1
6.060	CONSTRUCTION DEMOBILIZATION, COMPLETE.	LS	1
19.010	CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPLETE.	LS	1
1600.001	VIBRATION MONITORING AND VIDEOTAPING, COMPLETE.	LS	1
630.001	NPDES COMPLIANCE, COMPLETE.	LS	1
	QUIET ASPHALT		
328.010	QUIET ASPHALT CONCRETE, COMPLETE.	TON	780
328.020	PLACEMENT QUIET ASPHALT CONCRETE, 1" THICK, CIP.	SY	11250
	ROADWAY		
116.060	SUPERPAVE ASPHALT CONCRETE, TYPE III, COMPLETE.	TON	2480
116.061	PLACEMENT SUPERPAVE ASPHALT CONCRETE, 2" LIFT, TYPE III, CIP.	SY	22450
116.070	SUPERPAVE ASPHALT CONCRETE, TYPE II, COMPLETE.	TON	1860
116.071	PLACEMENT SUPERPAVE ASPHALT CONCRETE, 3" LIFT, TYPE II, CIP.	SY	11250
116.012	ARTERIAL ASPHALT CONCRETE, TYPE B, COMPL.	TON	1500
116.015	PLACEMENT ARTERIAL ASPHALT CONCRETE, 4" LIFT, CIP.	SY	6755
201.010	SITE CLEARING AND GRUBBING, COMPLETE.	AC	10
202.012	EXCAVATION, PLACEMENT, AND COMPACTION OF SELECT MATERIAL, CIP.	CY	41315
205.010	BORROW, HAULING & COMPACTION OF SUITABLE FILL MATERIAL WHEN NOT OBTAINED FROM WITHIN LIMITS OF	CY	11050
202.020	ROCK, BLAST, EXCAVATE & DISPOSE, COMPLETE. (FOR USE WITHIN THE PROJECT)	CY	58200
301.020	SUBGRADE PREP. 12" @ 95% COMPACTION, CIP.	SY	11250
301.022	SUBGRADE PREP. 8" @ 95% COMPACTION, FOR BIKE TRAIL, CIP.	SY	1500
302.000	AGGREGATE BASE COURSE CRUSHED, 10" @ 95% COMPACTION, CIP.	SY	13200
336.010	PRIME COAT, EMULSIFIED ASPHALT, CIP.	SY	11250
336.050	BIKE TRAIL ASPHALT CONCRETE, TYPE C, 2" THICK, MATERIAL AND PLACEMENT, CIP.	SY	1500
336.120	TACK COAT, CATIONIC EMULSIFIED ASPHALT, CIP.	SY	22450
340.050	CURB & GUTTER, STANDARD PORTLAND CEMENT CONCRETE, INCL. SUBGRADE PREP., CIP. SD 2415	LF	2870
340.060	CURB & GUTTER, MEDIAN, PORTLAND CEMENT CONCRETE, CIP. SD 2408	LF	2750
410.005	SMOOTH WIRE OPEN SPACE FENCE, INCLUDING POSTS AND HARDWARE, CIP.	LF	3100
410.065	PIPE GATE, 14 FEET WIDE, CIP.	EACH	1
603.035	RIP RAP, DUMPED, TYPE C, CIP.	CY	885
	STORM DRAIN SYSTEM		
701.100	TRENCHING, BACKFILLING, AND COMPACTION FOR 18" TO 36" STORM SEWER PIPE, UP TO 8 FEET IN DEPTH, PIPE	LF	440
701.150	TRENCHING, BACKFILLING, AND COMPACTION FOR 36" TO 60" STORM SEWER PIPE, UP TO 8 FEET IN DEPTH, PIPE	LF	265
701.210	TRENCHING, BACKFILLING, AND COMPACTION FOR OVER 60" STORM SEWER PIPE, 12 FEET TO 16 FEET IN	LF	1400
801.131	PIPE BLOCKING, PC CONCRETE, CIP	CY	9.3
910.005	18" REINFORCED CONCRETE PIPE, CLASS III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF	450
910.021	48" REINFORCED CONCRETE PIPE, CLASS III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF	265
910.029	72" REINFORCED CONCRETE PIPE, CLASS III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF	861
910.030	72" REINFORCED CONCRETE PIPE, CLASS IV, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF	626
910.066	BEND, 48" RCP, ANY DEGREE, FURNISH & INSTALL IN OPEN TRENCH, CIP.	EACH	2
910.084	WYE, 48"X48" RCP, FURNISH & INSTALL IN OPEN TRENCH, CIP.	EACH	1
915.010	CATCH BASIN, TYPE A, SINGLE GRATE, CIP., SD 2201	EACH	2
915.030	CATCH BASIN, TYPE C, SINGLE GRATE, CIP., SD 2205	EACH	5
915.060	CATCH BASIN, TYPE D, DOUBLE GRATE, CIP., SD 2206	EACH	2
915.099	5' X 10' DROP INLET (URBAN), CIP.	EACH	1
920.250	MANHOLE, 10' DIA., TYPE "C" OR "E", 10' TO 14' DEEP, CIP, SD 2101.	EACH	6
920.255	MANHOLE, 10' DIA., TYPE "C" OR "E", ADDED COST FOR EACH VERTICAL FOOT BETWEEN 14' TO 18' DEEP, CIP, SD	VF	4
	CMU/RETAINING WALLS		
561.010	CONCRETE DRILLED SHAFT SOLDIER PILE WALL	SF	9015
562.010	GROUND ANCHORS FURNISHED AND INSTALLED	EACH	67
510.110	STRUCTURAL, REINFORCED PC CONCRETE, 4000 PSI, INCLUDING FORMWORK, COMPL.	CY	450
540.020	CONCRETE BLOCK MASONRY RETAINING WALL, CONCRETE-FILLED CORE, CIP.	SF	4777
540.040	CONCRETE BLOCK MASONRY RETAINING WALL, CONCRETE-FILLED CORE, WITH PEA GRAVEL BACKFILL, CIP.	SF	1665
540.050	CONCRETE BLOCK MASONRY TIERED RETAINING WALL, CONCRETE-FILLED CORE, WITH PEA GRAVEL BACKFILL,	SF	13882
XXX.XXX	ROCK BOLTS, CIP.	EACH	100
340.031	V-DITCH, PC CONCRETE, INCL. REINFORCEMENT AND SUBGRADE COMPACTION, CIP.	SY	1855
	BRIDGE AT STA 33+85.00		
1012.050	LIGHTWEIGHT FILL PLANTING SECTION	CY	286
550.010	BRIDGE EXCAVATION AND BACKFILL	CY	248
103.010	EPOXY COATED REINFORCING BARS, GRADE 60	LB	57500
102.010	REINFORCING BARS, GRADE 60	LB	10000
XXX.XX6	ARTWALL SCREEN CONNECTIONS	LS	1
510.030	CONCRETE BARRIER	LF	330
570.010	PRESTRESSING	LS	1
510.010	SUPERSTRUCTURE CONCRETE	CY	415
510.020	SUBSTRUCTURE CONCRETE CLASS A	CY	86
	BRIDGE AT STA 39+20.00		
550.010	BRIDGE EXCAVATION AND BACKFILL	CY	2406
510.040	CONCRETE SLOPE PAVING	SY	195
560.010	MSE WALLS	SF	5327
103.010	EPOXY COATED REINFORCING BARS, GRADE 60	LB	76514
102.010	REINFORCING BARS, GRADE 60	LB	14252
510.030	ARTISTIC CONCRETE BARRIER	LF	179
512.020	PRESTRESSED CONCRETE BOX BEAMS, 24" X 48"	LF	611
510.010	SUPERSTRUCTURE CONCRETE	CY	500
510.020	SUBSTRUCTURE CONCRETE CLASS A	CY	370
580.010	SEALED EXPANSION JOINT	LF	617
581.010	ELASTOMERIC EXPANSION JOINT	LF	282
	PERMANENT SIGNING & STRIPING		
441.001	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 4" WIDTH, CIP.	LF	17600
441.002	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 8" WIDTH, CIP.	LF	0
441.004	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 12" WIDTH, CIP.	LF	24
441.035	REFLECTORIZED PLASTIC BIKE LANE ARROW, CIP.	EACH	6
441.037	REFLECTORIZED PLASTIC BIKE SYMBOL, CIP.	EACH	6
441.038	REFLECTORIZED PLASTIC SYMBOL, MERGE ARROW, CIP.	EACH	2
450.001	ALUMINUM PANEL SIGN, CIP.	SF	160
450.002	OBJECT MARKER TYPE II, INCLUDING BASE POST AND MOUNTING POST, CIP.	EACH	1
450.010	SQUARE TUBE STEEL POSTS & BASE POSTS FOR ALUMINUM PANEL SIGN, CIP.	LF	260
	LANDSCAPING		
346.120	STAINED, TEXTURED MEDIAN PAVEMENT, 4" THICK, PC CONCRETE, INCL. SUBGRADE COMPACTION, CIP.	SF	1746
1001.000	LANDSCAPE IRRIGATION SYSTEM, CIP.	LS	1
1005.000	LANDSCAPE PLANTINGS AND GROUND COVER MATERIAL, COMPL.	LS	1
1012.001	REVEGETATION SEEDING, CIP.	AC	3.76
1020.000	TWO-YEAR MAINTENANCE WARRANTY FOR ITEMS 1001.000, 1005.000, AND 1012.001, COMPL.	LS	1
	NMU SAS LINE		
202.020	ROCK, BLAST, EXCAVATE & DISPOSE, COMPLETE. (FOR USE WITHIN THE PROJECT)	CY	410
701.100	TRENCHING, BACKFILLING, AND COMPACTION, FOR 18" TO 36" SEWER PIPE, UP TO 8' IN DEPTH, PIPE NOT INCL.	LF	550
701.110	TRENCHING, BACKFILLING, AND COMPACTION, FOR 18" TO 36" SEWER PIPE, OVER 8' TO 12' IN DEPTH, PIPE NOT	LF	134
701.120	TRENCHING, BACKFILLING, AND COMPACTION, FOR 18" TO 36" SEWER PIPE, OVER 12' TO 16' IN DEPTH, PIPE NOT	LF	125
701.130	TRENCHING, BACKFILLING, AND COMPACTION, FOR 18" TO 36" SEWER PIPE, OVER 16' TO 20' IN DEPTH, PIPE NOT	LF	116
901.070	18" SEWER PIPE (STD. SPEC. SEC. 901), FURNISH & PLACE IN OPEN TRENCH, CIP.	LF	1340
901.090	24" SEWER PIPE (STD. SPEC. SEC. 901), FURNISH & PLACE IN OPEN TRENCH, CIP.	LF	161
920.010	MANHOLE 4' DIAMETER, TYPE "C", LESS THAN 6' DEEP, CIP, SD 2101	EACH	4
920.070	MANHOLE 4' DIAMETER, TYPE "C", 6' TO 10' DEEP, CIP, SD 2101	EACH	2
920.080	MANHOLE 4' DIAMETER, TYPE "C", 10' TO 14' DEEP, CIP, SD 2101	EACH	1
920.090	MANHOLE 4' DIAMETER, TYPE "C" OR "E", ADDED COST FOR EACH ADDITIONAL FOOT OVER 14', CIP, SD 2101	VF	4
920.130	MANHOLE 6' DIAMETER, TYPE "C" OR "E", LESS THAN 6' DEEP, CIP, SD 2101	EACH	1

ITEM ID NO.	COA PROJECT 705002 ITEM DESCRIPTION	UNIT	TOTAL EST. QUANTITY
	QUIET ASPHALT		
328.010	QUIET ASPHALT CONCRETE, COMPLETE.	TON	1370
328.020	PLACEMENT QUIET ASPHALT CONCRETE, 1" THICK, CIP.	SY	24600
	ROADWAY		
116.060	SUPERPAVE ASPHALT CONCRETE, TYPE III, COMPLETE.	TON	5470
116.061	PLACEMENT SUPERPAVE ASPHALT CONCRETE, 2" LIFT, TYPE III, CIP.	SY	49205
116.070	SUPERPAVE ASPHALT CONCRETE, TYPE II, COMPLETE.	TON	4100
116.071	PLACEMENT SUPERPAVE ASPHALT CONCRETE, 3" LIFT, TYPE II, CIP.	SY	24600
201.010	SITE CLEARING AND GRUBBING, COMPLETE.	AC	3.5
201.060	EROSION AND DUST CONTROL, INCLUDING ALL PLANT, LABOR, EQUIPMENT, & MATERIALS, EXCLUDING SILT	LS	1
201.061	EROSION CONTROL SILT FENCE, 3' HIGH, WITH 5' STEEL POSTS @ 10' ON CENTER, CIP.	LF	5400
202.010	EXCAVATE AND DISPOSE OF UNSUITABLE MATERIAL, COMPLETE	CY	700
204.010	FILL, EXCAVATE, BACKFILL AND COMPACTION OF UNCLASSIFIED MATERIAL, CIP.	CY	32403
205.010	FILL, BORROW, HAUL & COMPACT	CY	61122
301.020	SUBGRADE PREP. 12" @ 95% COMPACTION, CIP.	SY	30475
301.022	SUBGRADE PREP. 8" @ 95% COMPACTION, FOR BIKE TRAIL, CIP.	SY	3625
302.XXX	AGGREGATE BASE COURSE CRUSHED, 10" @ 95% COMPACTION, CIP.	SY	29100
336.010	PRIME COAT, EMULSIFIED ASPHALT, CIP.	SY	27650
336.050	BIKE TRAIL ASPHALT CONCRETE, TYPE C, 2" THICK, MATERIAL AND PLACEMENT, CIP.	SY	3125
336.120	TACK COAT, CATIONIC EMULSIFIED ASPHALT, CIP.	SY	76830
340.010	SIDEWALK 4" THICK, PORTLAND CEMENT CONC., INCLUDING SUBGRADE COMPACTION, CIP.	SY	338
340.023	WHEELCHAIR ACCESS RAMP, 4" PCC, STD CURB, CIP., SD 2418	SY	140
340.050	CURB & GUTTER, STANDARD PORTLAND CEMENT CONCRETE, INCL. SUBGRADE PREP., CIP. SD 2415	LF	6020
340.060	CURB & GUTTER, MEDIAN, PORTLAND CEMENT CONCRETE, CIP. SD 2408	LF	5775
346.100	TEXTURED MEDIAN PAVEMENT, 4" THICK, COLORED PC CONCRETE, INCL. SUBGRADE COMPACTION, CIP.	SF	430
401.000	CONCRETE WALL BARRIER (42"), CIP.	LF	1987
410.005	SMOOTH WIRE FENCE, INCLUDING POSTS AND HARDWARE, CIP.	LF	1769
510.110	STRUCTURAL, REINFORCED PC CONCRETE, 4000 PSI, INCL. FORM WORK, CIP.	CY	328
540.020	CONCRETE BLOCK MASONRY RETAINING WALL, CONCRETE-FILLED CORES,CIP.	SF	11625
560.001	MECHANICALLY STABILIZED EARTH (MSE) WALL, CIP.	SF	2280
603.XX1	CONCRETE EMBEDDED ROCK RUNDOWN, CIP.	SY	85
701.100	TRENCHING, BACKFILLING, AND COMPACTION FOR 18" TO 36" STORM SEWER PIPE, UP TO 8 FEET IN DEPTH, PIPE	LF	915
701.101	TRENCHING, BACKFILLING, AND COMPACTION FOR 18" TO 36" SEWER PIPE, UP TO 8 FEET IN DEPTH, PIPE NOT	LF	223
701.110	TRENCHING, BACKFILLING, AND COMPACTION FOR 18" TO 36" STORM SEWER PIPE, 8 FEET TO 12 FEET IN DEPTH	LF	241
701.111	TRENCHING, BACKFILLING, AND COMPACTION FOR 18" TO 36" SEWER PIPE, 8 FEET TO 12 FEET IN DEPTH, PIPE	LF	100
701.121	TRENCHING, BACKFILLING, AND COMPACTION FOR 18" TO 36" SEWER PIPE, 12 FEET TO 16 FEET IN DEPTH, PIPE	LF	159
701.160	TRENCHING, BACKFILLING, AND COMPACTION FOR 42" TO 60" STORM SEWER PIPE, 8 FEET TO 12 FEET IN DEPTH	LF	35
701.210	TRENCHING, BACKFILLING, AND COMPACTION FOR OVER 60" STORM SEWER PIPE, 12 FEET TO 16 FEET IN	LF	1784
801.002	6" WATERLINE PIPE, EXCL. FITTINGS INCL. TRENCH & COMPACTED BACKFILL TO 6' DEPTH, CIP.	LF	75
801.118	FIRE HYDRANT, EXISTING, REMOVE & RELAY, CIP.	EACH	3
801.XX1	RELOCATE EXIST. 6" TO 14" DIA. WATERLINE, INCL REMOVAL, DISPOSAL, CONNECTIONS, PIPE, FITTINGS, ALL	LF	120
901.100	27" HOBAS SEWER PIPE, FURNISH & PLACED IN OPEN TRENCH, CIP.	LF	482
901.510	CONNECT SEWER LINE TO EXISTING MH, 16" - 36" PIPE, CIP.	EACH	2
901.630	PUMP SEWAGE, BETWEEN MANHOLES BECAUSE OF SEWERLINE REPLACEMENT OR REPAIR, CIP.	HR	120
901.730	SEWERLINE 20" TO 48", REMOVE & DISPOSE, TRENCHING NOT INCLUDED, CIP. SD 2125	LF	482
910.069	BEND, 84" RCP	EACH	2
910.XX1	TEE OR WYE, 72" x ANY SIZE RCP	EACH	1
910.XX2	TEE OR WYE, 84" x ANY SIZE RCP	EACH	2
910.XX3	STORM DRAIN CONNECTION TO EXISTING MANHOLE	EACH	1
915.010	CATCH BASIN, TYPE A, SINGLE GRATE, CIP., SD 2201	EACH	9
915.030	CATCH BASIN, TYPE C, SINGLE GRATE, CIP., SD 2205	EACH	4
915.040	CATCH BASIN, TYPE C, DOUBLE GRATE, CIP., SD 2205	EACH	7
915.100	MEDIAN DROP INLET, SINGLE GRATE	EACH	2
915.XX1	10' X 5' MEDIAN DROP INLET	EACH	1
915.XX2	MEDIAN STORM INLET, CIP., SD 2273	EACH	2
920.140	MANHOLE, 6' DIA., TYPE "E", 6' TO 10' DEEP, CIP, SD 2102.	EACH	1
920.170	MANHOLE, 6' DIA., TYPE "E", ADDED COST PER FOOT, OVER 18' DEEP, CIP, SD 2102.	VF	6
920.220	MANHOLE, 8' DIA., TYPE "E", 10' TO 14' DEEP, CIP, SD 2102.	EACH	6
920.230	MANHOLE, 8' DIA., TYPE "E", ADDED COST PER FOOT, 14' TO 18' DEEP, CIP, SD 2102.	VF	7
920.XX1	MH, TEE TYPE ON 84" RCP, CIP.	EACH	1
920.420	EXISTING MANHOLE FRAME & COVER, ADJUST TO PAVEMENT GRADE WHERE ADJUSTMENT OF CONCRETE OR	EACH	1
920.580	EXISTING MANHOLE, ABANDON IN PLACE, FILL WITH CEMENT TREATED BASE MATERIAL, COMPACTED ALL SIDES	EACH	2
1011.010	SEEDING, CLASS "A", NATIVE, CIP.	AC	
	REMOVALS		
343.010	EXISTING PAVEMENT, ASPHALT CONCRETE, REMOVE & DISPOSE, SAWCUT NOT REQUIRED, ANY THICKNESS,	SY	3295
343.020	EXISTING PAVEMENT, ASPHALT CONCRETE, UP TO 4" THICK, SAWCUT, REMOVE & DISPOSE, COMPLETE.	SY	471
343.070	EXISTING CURB, ASPHALT CONCRETE, REMOVE & DISPOSE, COMPL.	LF	700
343.080	EXISTING CURB & GUTTER, PC CONCRETE, REMOVE & DISPOSE, COMPL.	LF	980
343.085	EXISTING SIDEWALK, 4" PC CONCRETE, REMOVE & DISPOSE	SY	116
910.104	DRAINLINE REMOVAL, 21" TO 48", EXCLUDING TRENCHING, COMPLETE	LF	53
915.070	CATCH BASIN, EXISTING, REMOVE & DISPOSE, ANY TYPE, INCL. CLEANUP, COMPL., SD 2200	EACH	3
	PERMANENT SIGNING & STRIPING		
440.0015	REFLECTORIZED PAINTING FOR MEDIAN NOSES	SF	60
441.001	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 4" WIDTH, CIP.	LF	12600
441.002	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 6" WIDTH, CIP.	LF	5100
441.004	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 12" WIDTH, CIP.	LF	1200
441.005	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 24" WIDTH, CIP.	LF	240
441.010	REFLECTORIZED PLASTIC ARROW, RIGHT, CIP.	EACH	6
441.011	REFLECTORIZED PLASTIC ARROW, LEFT, CIP.	EACH	12
441.012	REFLECTORIZED PLASTIC ARROW, THRU, CIP.	EACH	2
441.020	REFLECTORIZED PLASTIC WORD, ONLY, CIP.	EACH	9
441.025	REFLECTORIZED PLASTIC WORD, (BIKE), CIP.	EACH	1
441.026	REFLECTORIZED PLASTIC WORD, (LANE), CIP.	EACH	1
441.027	REFLECTORIZED PLASTIC WORD, (ENDS), CIP.	EACH	1
441.0125	REFLECTORIZED PLASTIC THRU ARROW BIKE LANE , CIP.	EACH	5
441.031	REFLECTORIZED PLASTIC SYMBOL(BIKE) , CIP.	EACH	6
450.001	ALUMINUM PANEL SIGN, CIP.	SF	157
450.010	SQUARE TUBE STEEL POSTS & BASE POSTS FOR ALUMINUM PANEL SIGN, CIP.	LF	283
	SIGNALIZATION		
422.002	TRAFFIC SIGNAL PEDESTAL POLE, 10', CIP.	EACH	4
422.017	TRAFFIC SIGNAL MASTARM, 30' ARM, TYPE III, TROMBONE, CIP.	EACH	1
422.019	TRAFFIC SIGNAL MASTARM, 35' ARM, TYPE III, TROMBONE, CIP.	EACH	1
422.021	TRAFFIC SIGNAL MASTARM, 40' ARM, TYPE III, TROMBONE, CIP.	EACH	2
422.102	TRAFFIC SIGNAL PEDESTAL POLE, ANY SIZE, REMOVE & RELOCATE, COMP.	EACH	2
422.110	TRAFFIC SIGNAL MASTARM, ANY SIZE, REMOVE AND SALVAGE, COMPL.	EACH	4
423.001	TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL POLE, CIP.	EACH	6
423.002	TRAFFIC SIGNAL MASTARM FOUNDATION, CIP.	EACH	4
423.003	TRAFFIC SIGNAL CONTROLLER FOUNDATION (TYPE M & P CABINET), CIP.	EACH	1
423.101	TRAFFIC SIGNAL FOUNDATION FOR MASTARM, REMOVE & DISPOSE, COMPL.	EACH	4
423.102	TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL POLE & SPLICE CABINET, REMOVE & DISPOSE, COMPL.	EACH	2
424.006	ELECTRICAL CONDUIT, 2" INCL. TRENCHING, BACKFILL, PATCHING, PUSHING, BORING & JACKING, CIP.	LF	788
424.011	ELECTRICAL CONDUIT, 3" INCL. TRENCHING, BACKFILL, PATCHING, PUSHING, BORING & JACKING, CIP.	LF	886
425.003	ELECTRICAL PULLBOX, LARGE, CIP.	EACH	6
425.101	ELECTRICAL PULLBOX, ANY TYPE, REMOVE & DISPOSE, CIP.	EACH	13
426.001	SINGLE CONDUCTOR, #2, CIP.	LF	1780
426.003	SINGLE CONDUCTOR, #6, CIP.	LF	779
426.010	MULTI-CONDUCTOR CABLE, #5, CIP.	LF	2139
426.011	MULTI-CONDUCTOR CABLE, #7, CIP.	LF	138
426.014	MULTI-CONDUCTOR CABLE, #20, CIP.	LF	1450
427.002	3 SECTION TRAFFIC SIGNAL ASSEMBLY, CIP.	EACH	21
427.004	5 SECTION TRAFFIC SIGNAL ASSEMBLY, CIP.	EACH	3
427.024	PEDESTRIAN SIGNAL, LED, WITH COUNTDOWN, CIP.	EACH	8
427.031	3 SECTION BACKPLATE, CIP.	EACH	8
427.101	TRAFFIC SIGNAL ASSEMBLY, ANY TYPE, REMOVE & SALVAGE, COMPL.	EACH	5
427.121	PEDESTRIAN SIGNAL, ANY TYPE, REMOVE & SALVAGE, COMPL.	EACH	6
428.010	PUSH BUTTON STATION,CIP.	EACH	2
428.070	PHASE SELECTOR RACK, 4 CHANNELS, CIP.	EACH	1
428.075	OPTICAL DETECTOR 1D/1C, CIP.	EACH	4
428.078	OPTICAL DETECTOR CABLE,CIP.	LF	1125
428.090	MACHINE VISION VEHICLE DETECTION SYSTEM, CIP.	EACH	1
428.092	VIDEO COAXIAL CABLE, CIP.	LF	1157
428.093	VIDEO POWER CABLE, CIP.	LF	1157
428.094	VIDEO CAMERA, CIP.	EACH	4
429.001	TRAFFIC ACTUATED CONTROLLER, CIP.	EACH	1
429.021	8 PHASE DUAL RING CONTROLLER CABINET, CIP.	EACH	1
429.101	SIGNAL CONTROLLER, ANY TYPE, REMOVE & SALVAGE, COMPL.	EACH	1
429.121	CONTROLLER CABINET, ANY TYPE, REMOVE & SALVAGE, COMPL.	EACH	1

ITEM ID NO.	COA PROJECT 705002 ITEM DESCRIPTION	UNIT	TOTAL EST. QUANTITY
	LANDSCAPING		
1001.000	IRRIGATION SYSTEM INCLUDING UEC, BOOSTER PUMP & ELECTRICAL CONNECTION	LS	1
1005.000	LANDSCAPE & SPECIALTY PAVING	LS	1
1012.010	SEEDING, NATIVE	LS	1
910.000	TWO YEAR WARRANTY & MAINTENANCE	LS	1
	LIGHTING		
432.002	ROADWAY LUMINAIRE, TYPE 400S, CIP.	EACH	4
	STORM DRAIN SYSTEM		
910.005	18" REINFORCED CONCRETE PIPE, CLASS III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF	214
910.009	24" REINFORCED CONCRETE PIPE, CLASS III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF	889
910.021	48" REINFORCED CONCRETE PIPE, CLASS III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF	35
910.029	72" REINFORCED CONCRETE PIPE, CLASS III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF	1254
910.032	84" REINFORCED CONCRETE PIPE, CLASS III, FURNISH & PLACE IN OPEN TRENCH, CIP.	LF	530
	UTILITIES - NMU WATERLINES & SJWMH SAS LINE		
901.060	15" SEWER PIPE, STD. SPEC. SECTION 901, FURNISH AND PLACE IN OPEN TRENCH, CIP.	LF	1548
701.010	TRENCHING, BACKFILLING & COMPACTION FOR 4" TO 15" SEWER, 8' OR LESS IN DEPTH, PIPE NOT INCL., COMPL	LF	1548
920.010	MANHOLE 4' DIA. TYPE "E" LESS THAN 6' DEEP, CIP, SD 2101	EACH	5
901.500	CONNECT SEWERLINE TO EXITING MANHOLE, 4" TO 15" PIPE, CIP.	EACH	1

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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

AS-BUILT INFORMATION

CONTRACTOR Sails Bros. DATE 1/08
WORK STAKED BY SunTek
INSPECTION BY DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
DAVID W. WILSON 13266 NEW MEXICO 6/30/06 REGISTERED PROFESSIONAL ENGINEER
2-24-05

NO.	DATE	REMARKS REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY SGG DATE FEB 2005
DRAWN BY STAFF DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

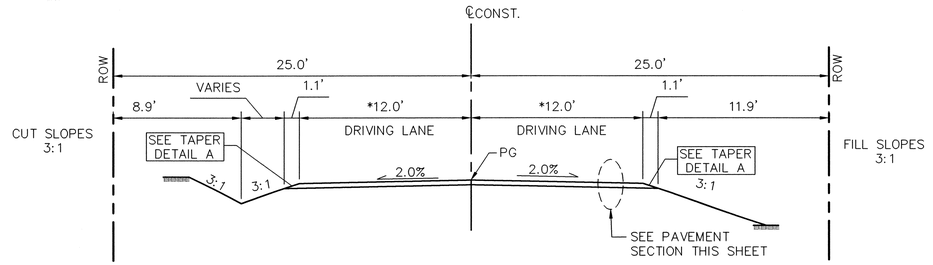
PASEO DEL NORTE IMPROVEMENTS PROJECT
SUMMARY OF QUANTITIES

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
705002	C-11	1-5	

WILSON & COMPANY

Sheet Of



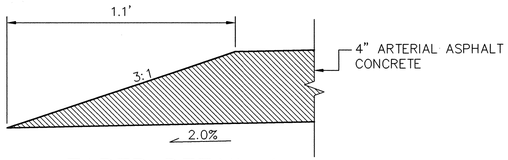
PASEO DEL NORTE INTERIM TYPICAL SECTION

SCALE 1"=5'

STA 10+73.63 TO STA 25+97.50

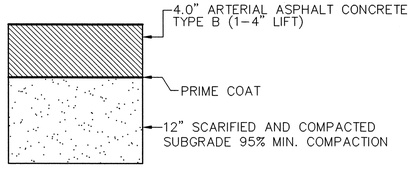
*STA 25+97.50 TO STA 30+00.00 – TRANSITION FROM TWO LANE TO FOUR LANE SECTION.

STA 28+93.01 TO STA 30+00.00 – RIGHT SIDE ONLY, SEE TYPICAL SECTION ON SHEET 2-2.



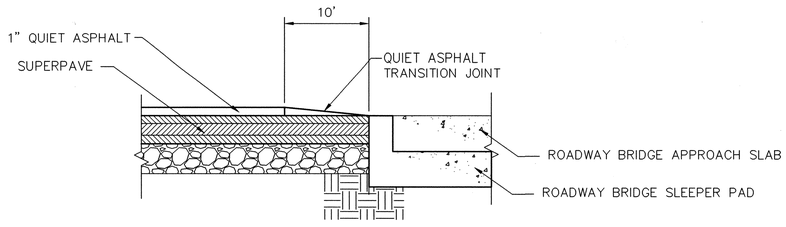
TAPER DETAIL A

N.T.S.



INTERIM PAVEMENT SECTION

N.T.S.



QUIET ASPHALT SURFACING CONNECTION AND TRANSITION

N.T.S.

1. QUIET ASPHALT TRANSITION JOINT: HAND TOOL QUIET ASPHALT TRANSITION JOINT TO PROVIDE SMOOTH TRANSITION BETWEEN TWO LANE AND FOUR LANE ROADWAY CONSTRUCTION. PAYMENT FOR THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICE FOR ITEM 328.020 PLACEMENT OF QUIET ASPHALT CONCRETE, 1" LIFT, CIP.

2. CONNECTION TO BRIDGE APPROACH SLAB: HAND TOOL QUIET ASPHALT TRANSITION JOINT TO PROVIDE SMOOTH TRANSITION TO BRIDGE. PAYMENT FOR THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICE FOR ITEM 328.020 PLACEMENT OF QUIET ASPHALT CONCRETE, 1" LIFT, CIP.

TRAFFIC VOLUME ESTIMATE
PASEO DEL NORTE

AVERAGE DAILY TRAFFIC	
PROJECTED AT YEAR 2025	30,000
DESIGN LANE ESAL (W_L):	
FOUR LANE SECTION (SIX-LANE ULTIMATE)	3,692,240
DESIGN SPEED = 50 MPH	
45-35 MPH (TWO LANE INTERIM ROAD)	
DESIGN R VALUE = 43	

AS-BUILT INFORMATION
CONTRACTOR Sails Bros. DATE 1/08
WORK STAKED BY SunTek
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11
1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.I. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL
NEW MEXICO (16019) REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	SGG	DATE	FEB 2005
DRAWN BY	ELO/RP	DATE	FEB 2005
CHECKED BY	SFP	DATE	FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
PROPOSED TYPICAL SECTIONS

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. / Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 2-1 Of

WILSON & COMPANY

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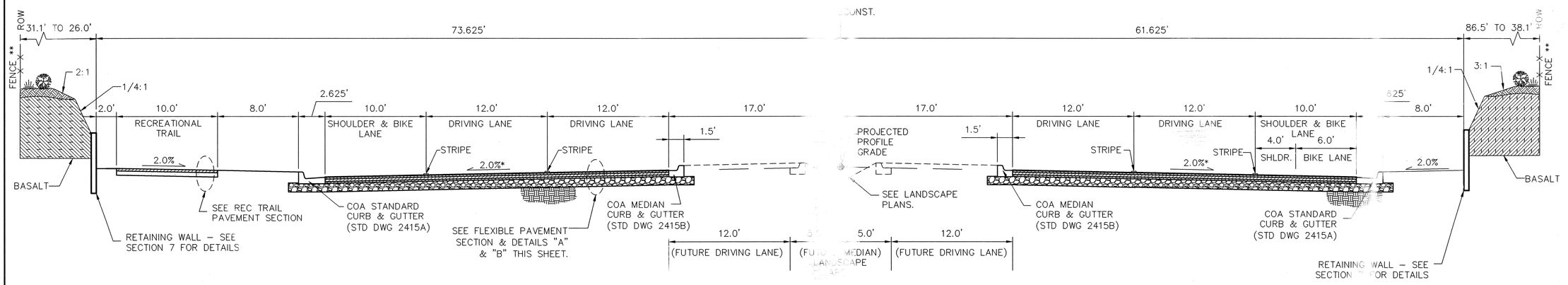
SUPERELEVATION TABLE – LT

STATION	TO	STATION	CROSS-SLOPE	DESCRIPTION
29+00.00		32+97.02	⌐ 2%	NORMAL CROWN
32+97.02		33+69.02	⌐ 2% TO ⌐ 3.5%	
33+69.02		41+77.53	⌐ 3.5%	FULL SUPER
41+77.53		42+49.53	⌐ 3.5% TO ⌐ 2%	
42+49.53		43+84.02	⌐ 2%	NORMAL CROWN

SUPERELEVATION TABLE – RT

STATION	TO	STATION	CROSS-SLOPE	DESCRIPTION
29+00.00		31+05.02	2% ⌐	NORMAL CROWN
31+05.02		32+01.02	2% ⌐ TO 0%	RUNOUT
32+01.02		33+13.58	0% TO ⌐ 2.345%	2/3 RUNOFF
33+13.58		33+69.02	⌐ 2.345% TO ⌐ 3.5%	1/3 RUNOFF
33+69.02		41+77.53	⌐ 3.5%	FULL SUPER
41+77.53		42+32.97	⌐ 3.5% TO ⌐ 2.345%	1/3 RUNOFF
42+32.97		43+45.53	⌐ 2.345% TO 0%	2/3 RUNOFF
43+45.53		44+41.53	0% TO 2% ⌐	RUNOUT



PASEO DEL NORTE PROPOSED TYPICAL SECTION

SCALE 1"=5'

* SEE SUPERELEVATION TABLES THIS SHEET. ROADWAY CROSS SLOPE VARIES.

** NEW FENCE TO BE INSTALLED PER PLAN LAYOUT ON SHEET 4–1 AND 4–2.

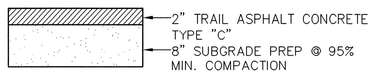
STA 28+93.01 TO STA 30+00.00

BUILD RIGHT HALF OF TYPICAL SECTION WITHOUT MEDIAN C&G (EXTEND PAVEMENT SECTION TO CENTERLINE)

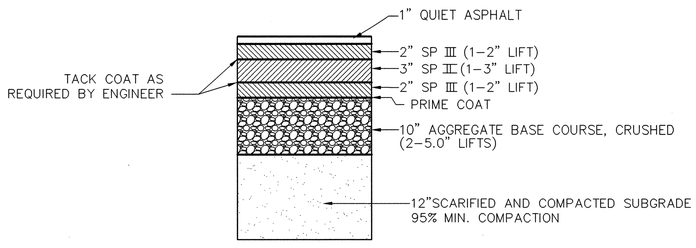
STA 30+00.00 TO STA 30+26.43

BUILD TYPICAL SECTION WITHOUT MEDIAN C&G (EXTEND PAVEMENT SECTION TO CENTERLINE)

STA 30+26.43 TO STA 33+69.02

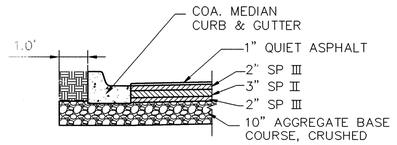


REC. TRAIL PAVEMENT SECTION



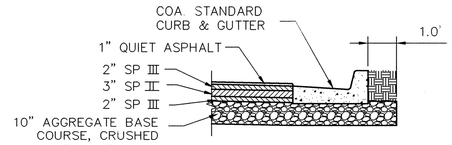
FLEXIBLE PAVEMENT SECTION

N.T.S.



DETAIL "A"

N.T.S.



DETAIL "B"

N.T.S.

BENCH MARKS

THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11" LOCATED 6.85 MI N W OF THE STA 1986" SET FLUSH IN THE LAVA GROUND. THE STA IS FROM I-40 & COORS RD., GO N. ON COORS 3.25 Mi. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N & GO 1.5 Mi. TO CALLE NORTENA, TURN W. N TO ROADWAY DR., THE STA. IS N.E. OF THIS POINT.

ELEVATION = 5275.14 FT. (2ND ORDER–1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION

CONTRACTOR Sails Bros. DATE 1/08

WORK STAKED BY Sunrise DATE

INSPECTED BY ACCEPTANCE BY DATE

FIELD VERIFICATION BY DATE

DRAWING EDITED BY Wilson & Co. DATE 1/08

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

SURVEY INFORMATION

FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL

NEW MEXICO 16020 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY SGG DATE FEB 2005

DRAWN BY ELO/RP DATE FEB 2005

CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
PROPOSED TYPICAL SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C–11	2–2	

WILSON & COMPANY

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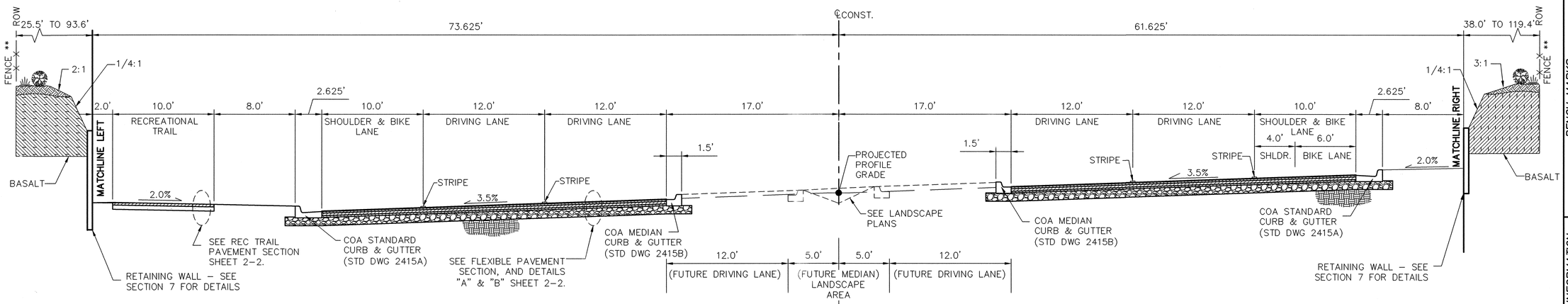
SUPERELEVATION TABLE – LT

STATION	TO	STATION	CROSS-SLOPE	DESCRIPTION
29+00.00		32+97.02	⟋ 2%	NORMAL CROWN
32+97.02		33+69.02	⟋ 2% TO ⟋ 3.5%	
33+69.02		41+77.53	⟋ 3.5%	FULL SUPER
41+77.53		42+49.53	⟋ 3.5% TO ⟋ 2%	
42+49.53		43+84.02	⟋ 2%	NORMAL CROWN

SUPERELEVATION TABLE – RT

STATION	TO	STATION	CROSS-SLOPE	DESCRIPTION
29+00.00		31+05.02	2% ⟍	NORMAL CROWN
31+05.02		32+01.02	2% ⟍ TO 0%	RUNOUT
32+01.02		33+13.58	0% TO ⟋ 2.345%	2/3 RUNOFF
33+13.58		33+69.02	⟋ 2.345% TO ⟋ 3.5%	1/3 RUNOFF
33+69.02		41+77.53	⟋ 3.5%	FULL SUPER
41+77.53		42+32.97	⟋ 3.5% TO ⟋ 2.345%	1/3 RUNOFF
42+32.97		43+45.53	⟋ 2.345% TO 0%	2/3 RUNOFF
43+45.53		44+41.53	0% TO 2% ⟍	RUNOUT



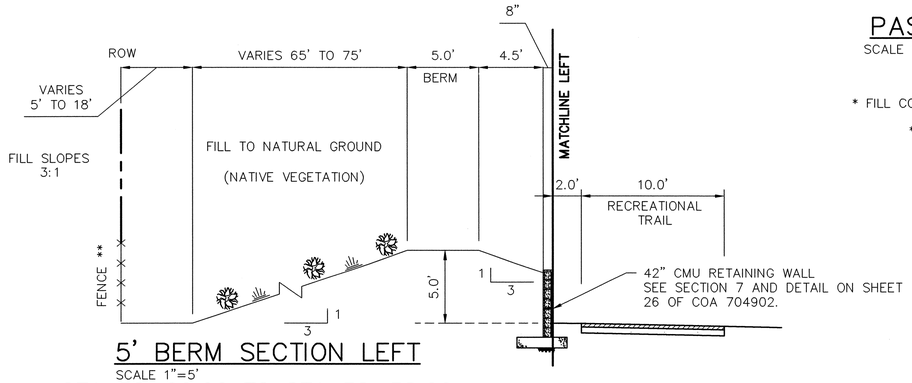
PASEO DEL NORTE PROPOSED TYPICAL SECTION

SCALE 1"=5'

STA 33+69.02 TO STA 41+77.53

* FILL CONSTRUCTION SECTION OF CORRIDOR, SEE 5' BERM SECTION LEFT DETAIL AND 5' BERM SECTION RIGHT DETAIL THIS SHEET.

** NEW FENCE TO BE INSTALLED PER PLAN LAYOUT ON SHEET 4–1 AND 4–2.



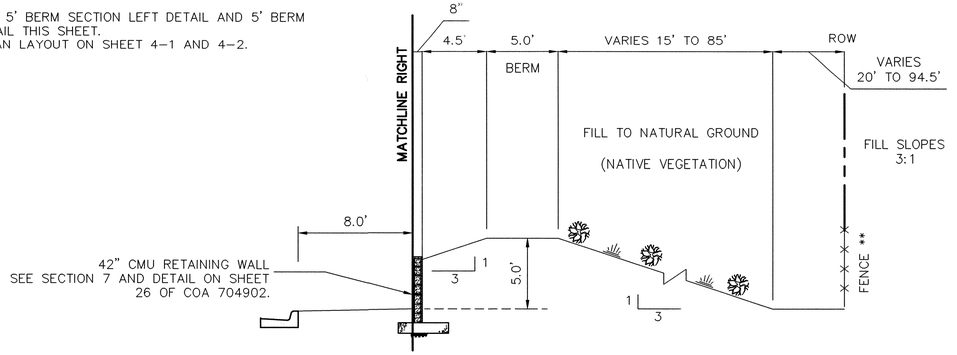
5' BERM SECTION LEFT

SCALE 1"=5'

STA 38+00.00 TO STA 38+38.00

STA 38+38.00 TO STA 39+76.50 –
ROADWAY BRIDGE WITH MSE RETAINING WALLS

STA 39+76.50 TO STA 41+77.53



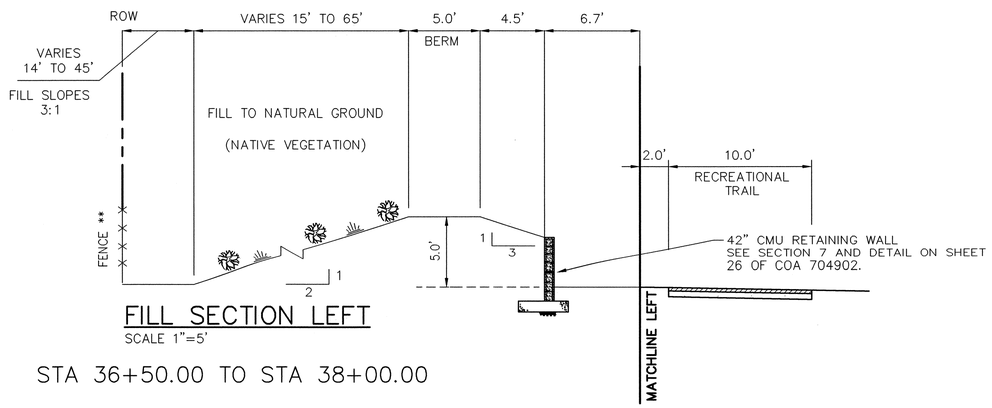
BERM SECTION RIGHT

SCALE 1"=5'

STA 37+00.00 TO STA 38+38.00

STA 38+38.00 TO STA 39+76.50 –
ROADWAY BRIDGE WITH MSE RETAINING WALLS.

STA 39+76.50 TO STA 41+77.53



FILL SECTION LEFT

SCALE 1"=5'

STA 36+50.00 TO STA 38+00.00

AS-BUILT INFORMATION
CONTRACTOR Sais Bros.
WORK STAKED BY Surv Tek DATE 1/08
WORK ACCEPTANCE BY DATE
FIELD LOCATION BY DATE
DRAWINGS COMPILED BY Wilson+Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
CATALINA G. LAUNA NEW MEXICO 16020 REGISTERED PROFESSIONAL ENGINEER
2-25-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY SGG DATE FEB 2005
DRAWN BY ELO/RP DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
PROPOSED TYPICAL SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C–11	2–3	

WILSON & COMPANY

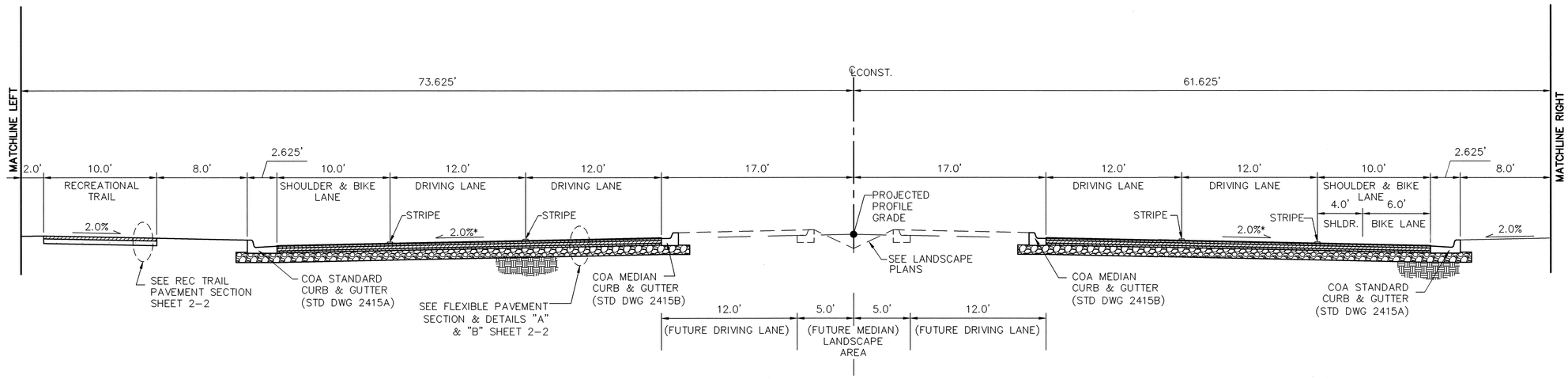
X:\Public\PROJECTS\X3822\1\sec12\PRDP TYPSECTIONS.DWG 2/24/05 7:32:50 AM MST

SUPERELEVATION TABLE – LT

STATION	TO	STATION	CROSS-SLOPE	DESCRIPTION
29+00.00		32+97.02	⟋ 2%	NORMAL CROWN
32+97.02		33+69.02	⟋ 2% TO ⟋3.5%	
33+69.02		41+77.53	⟋3.5%	FULL SUPER
41+77.53		42+49.53	⟋3.5% TO ⟋ 2%	
42+49.53		43+84.02	⟋ 2%	NORMAL CROWN

SUPERELEVATION TABLE – RT

STATION	TO	STATION	CROSS-SLOPE	DESCRIPTION
29+00.00		31+05.02	2% ⟍	NORMAL CROWN
31+05.02		32+01.02	2% ⟍ TO 0%	RUNOUT
32+01.02		33+13.58	0% TO ⟍2.345%	2/3 RUNOFF
33+13.58		33+69.02	⟍2.345% TO ⟍3.5%	1/3 RUNOFF
33+69.02		41+77.53	⟍3.5%	FULL SUPER
41+77.53		42+32.97	⟍3.5% TO ⟍2.345%	1/3 RUNOFF
42+32.97		43+45.53	⟍2.345% TO 0%	2/3 RUNOFF
43+45.53		44+41.53	0% TO 2% ⟍	RUNOUT



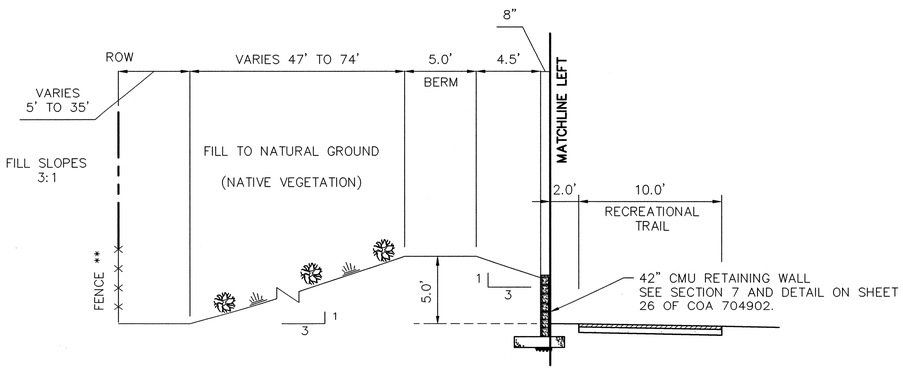
PASEO DEL NORTE PROPOSED TYPICAL SECTION

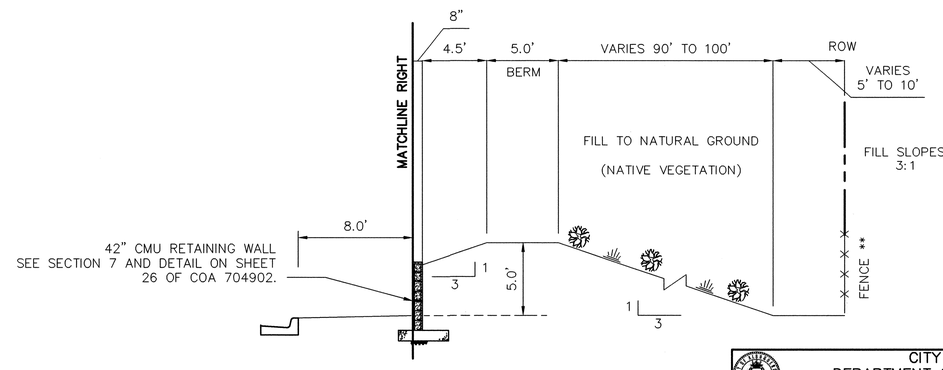
SCALE 1"=5'

STA 41+77.53 TO STA 43+84.02

STA 43+84.02 TO STA 44+41.53***

* SEE SUPERELEVATION TABLES THIS SHEET. ROADWAY CROSS SLOPE VARIES.
** NEW FENCE TO BE INSTALLED PER PLAN LAYOUT ON SHEET 4-1 AND 4-2.
*** THIS SECTION OF ROADWAY TO BE CONSTRUCTED UNDER COA PROJECT NO. 704902.





SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
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AS-BUILT INFORMATION
CONTRACTOR Sails Bros. DATE 1/08
WORK STAKED BY SunTek DATE
INSPECTION & ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS COMPILED BY Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
JOHN R. MYERS NEW MEXICO 9002 REGISTERED PROFESSIONAL ENGINEER
6-10-08

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	SGG	DATE FEB 2005
DRAWN BY	ELO/RP	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

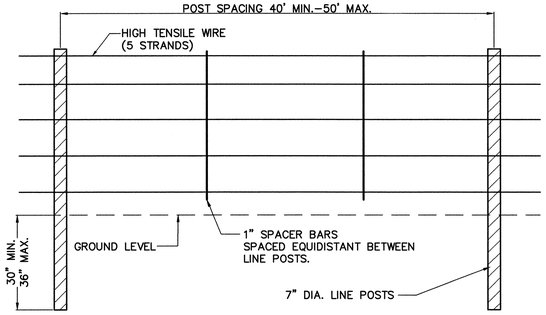
PASEO DEL NORTE EXTENSION
PROPOSED TYPICAL SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

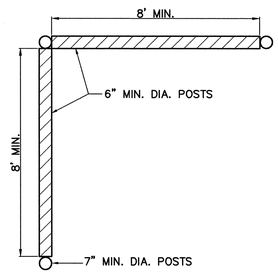
City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	2-4	

WILSON & COMPANY

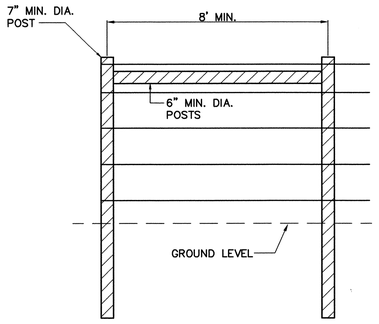
X:\Public\PROJECTS\X3822\1\sec42\PROP TYPSECTIONS.DWG 2/24/05 7:32:50 AM MST



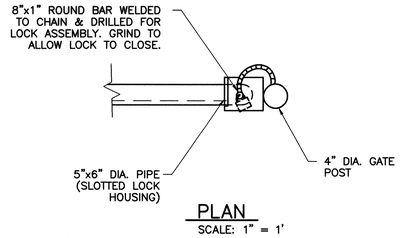
FENCING DETAIL–STANDARD POSTS
NTS



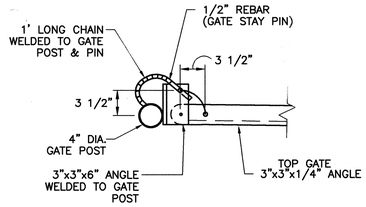
FENCING CORNER BRACE PLAN VIEW
NTS



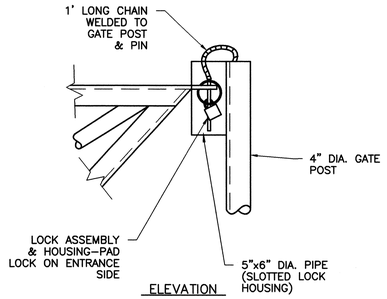
FENCING CORNER BRACE PROFILE VIEW
NTS



PLAN
SCALE: 1" = 1'

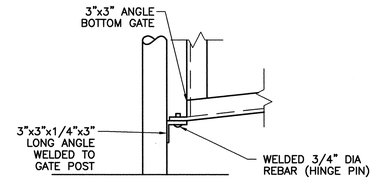


DETAIL B
SCALE: 1" = 1'

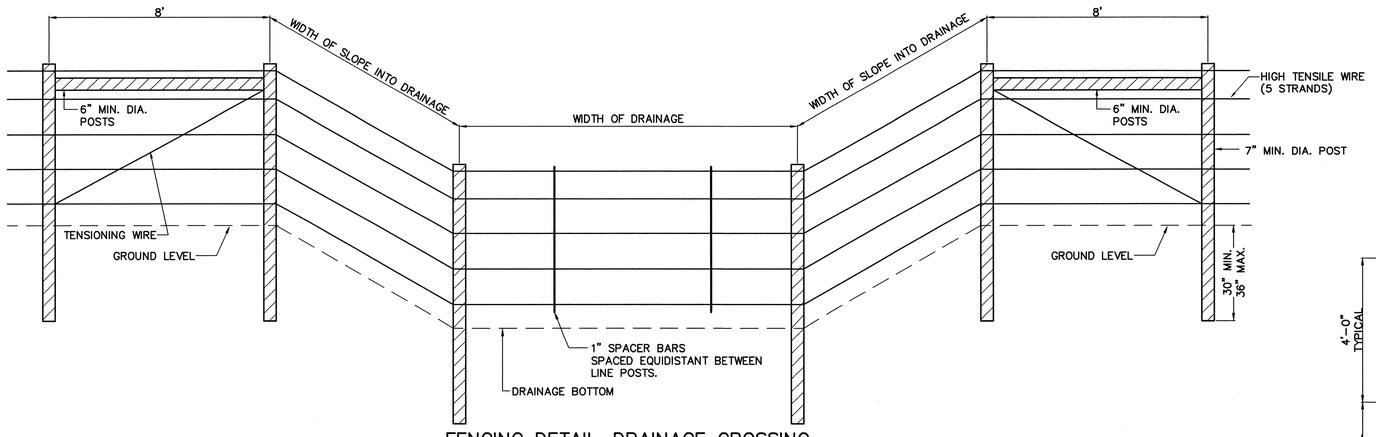


ELEVATION

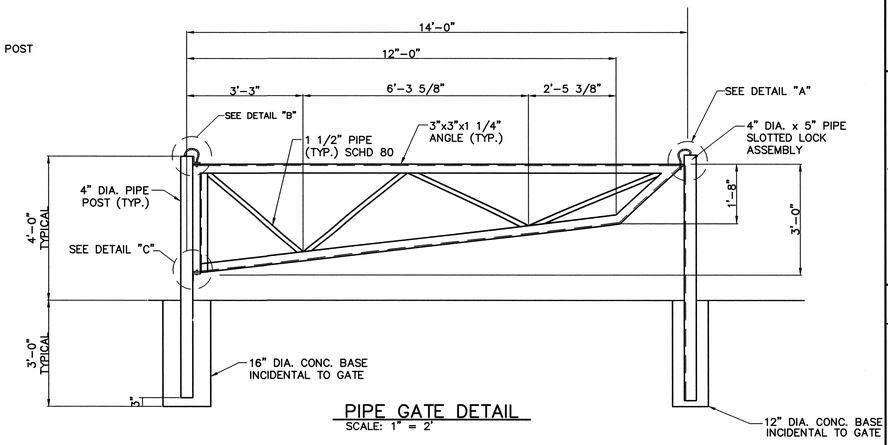
DETAIL A
SCALE: 1" = 1'



DETAIL C
SCALE: 1" = 1'

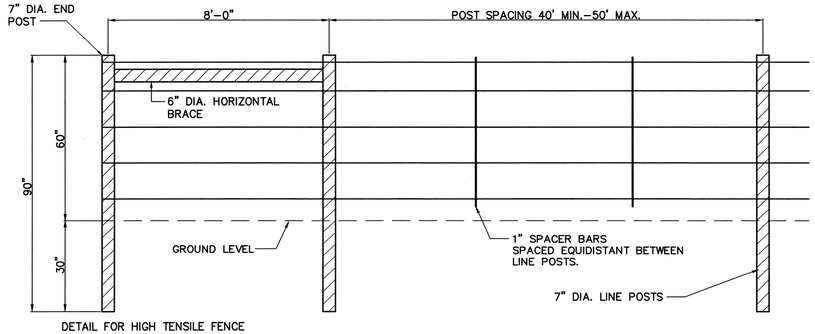


FENCING DETAIL–DRAINAGE CROSSING
NTS



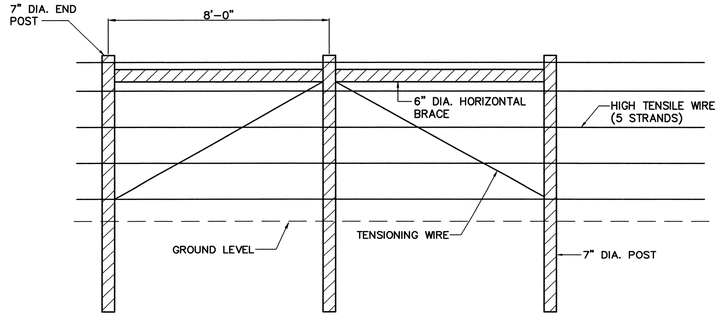
PIPE GATE DETAIL
SCALE: 1" = 2'

NOTE: CLEAN AND PAINT ALL PIPE HANDRAIL WITH 1 COAT PRIMER AND 2 COATS SAFETY BLUE (OR APPROVED EQUAL BY PROJECT ENGINEER). PAINT INCIDENTAL TO COST OF PIPE GATE.



DETAIL FOR HIGH TENSILE FENCE
ALBUQUERQUE FENCE CO. LTD.
ALBUQUERQUE, NM 87107
505–898–3696

DETAIL OF END PULL POST & 1ST BRACE PANEL WITH LINE POST AND SPACERS
NTS



FENCE IN–LINE DETAIL
NTS

FENCE DETAILS

SURVEY INFORMATION		
FIELD NOTES		
NO.	DATE	BY

AS–BUILT INFORMATION		
CONTRACTOR	Salb Bros.	
WORK STAKED BY	Sunrise	DATE 1/08
WORK ACCEPTANCE BY		DATE
FIELD LOCATION BY		DATE
DRAWINGS REVISED BY	Wilson & Co	DATE 1/08
MICRO–FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1–C11" 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.I. ALBQ. TO REACH THE STA FROM I–40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.–N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER–1ST CLASS) (NAVD 88)

ENGINEER'S SEAL

GAVINO PAIZ NEW MEXICO (9602) LICENSED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	SGG	DATE FEB 2005
DRAWN BY	ELO/RP	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
OPEN SPACE FENCE AND GATE DETAILS

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER

Last Design Update

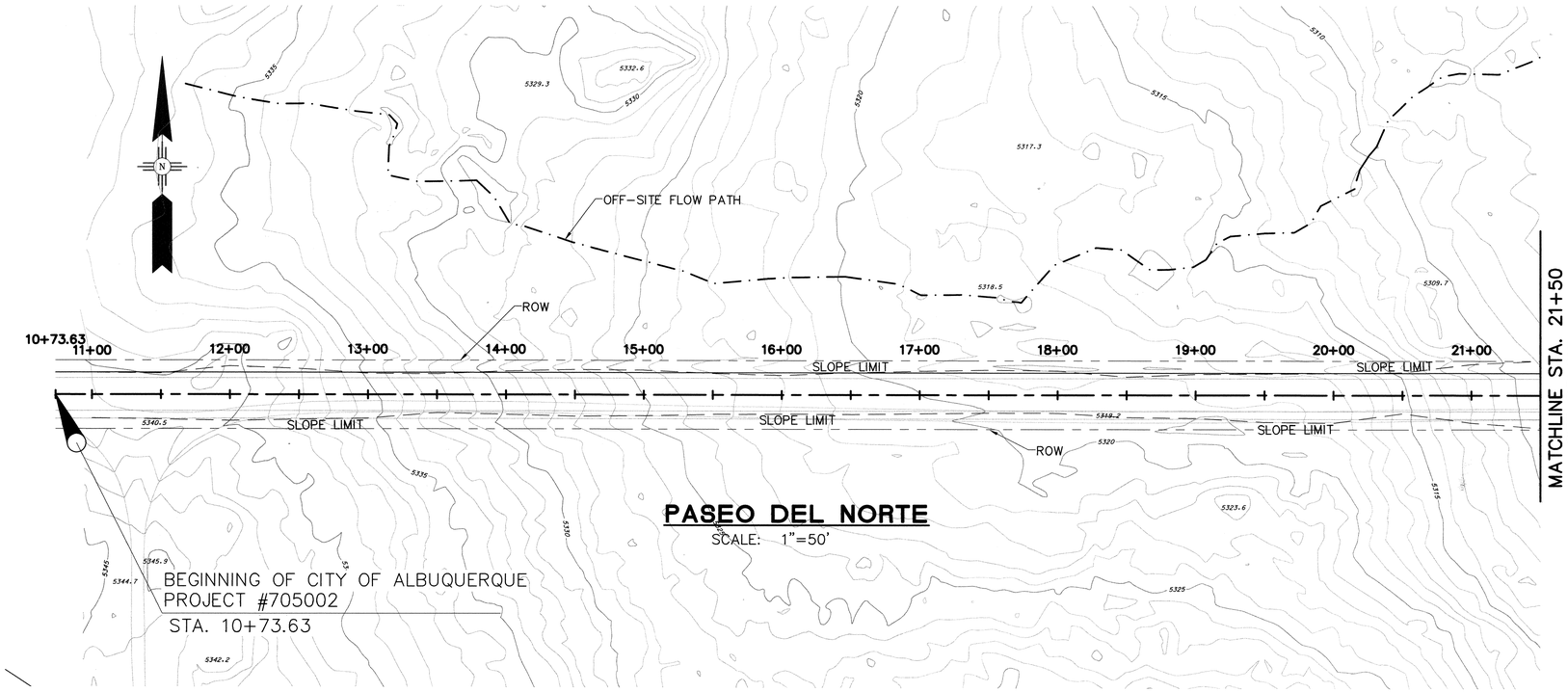
Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C–11 | Sheet 2–5 Of

WILSON & COMPANY

X:\Public\PROJECTS\X3022\T\sect2\MISCDETAILS.DWG 2/24/05 7:34:51 AM MST

ELO CADD MASTER



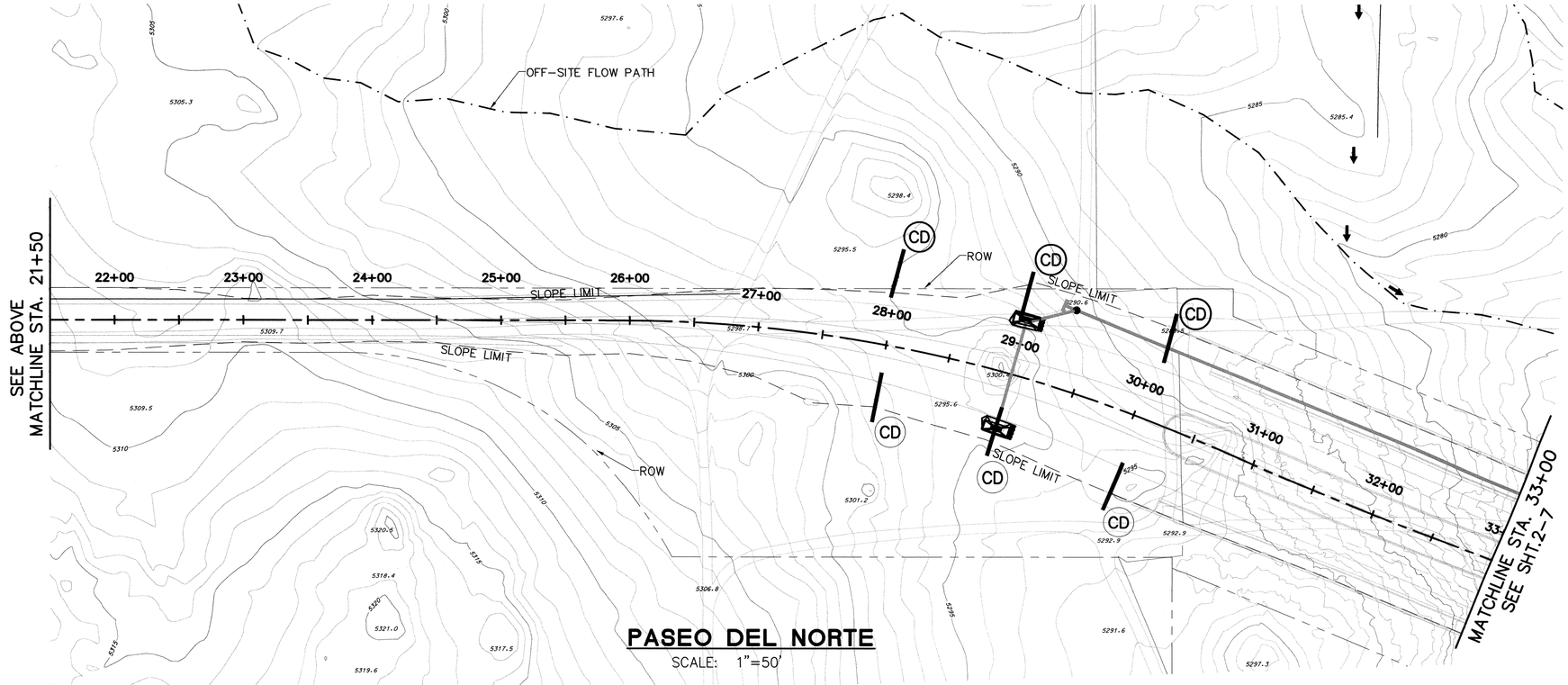
PASEO DEL NORTE
SCALE: 1"=50'

SF SILT FENCE

CD CHECK DAM TYPE II (STONE DAM)

DROP INLET PROTECTION

NOTE:
NPDES MEASURES ARE FOR INFORMATION ONLY. NPDES SPEC SECTION 630, NPDES COMPLIANCE, SHALL PREVAIL FOR SCOPE OF WORK AND MEASUREMENT OF PAYMENT.



PASEO DEL NORTE
SCALE: 1"=50'

SF SILT FENCE

CD CHECK DAM TYPE II (STONE DAM)

DROP INLET PROTECTION

NOTE:
NORTH SIDE OF ROADWAY (STD C&G, MEDIAN C&G, AND ASPHALT CONCRETE PAVEMENT) TO BE CONSTRUCTED IN THE FUTURE. CONTRACTOR SHALL BUILD SUBGRADE UP TO FINISHED GRADE, I.E. TOP OF FUTURE PAVEMENT SECTION. PROPOSED STORM DRAIN (INLETS, PIPE AND MANHOLES), RETAINING WALLS, AND SAS TO BE CONSTRUCTED AS PER THEIR RESPECTIVE PLANS.

Gannett Fleming West, Inc.
2155 Louisiana NE, Suite 9000 Albuquerque, New Mexico 87110
Office: (505) 265-8468 Fascimile: (505) 881-2513

AS-BUILT INFORMATION
CONTRACTOR Salis Bros. DATE 1/06
STAKED BY Surv Tek DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
REMARKS
CORRECTED BY Wilson + Co. DATE 1/06

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA. IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA. FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR. THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER - 1ST CLASS) (NAVD 88)

MICRO-FILM INFORMATION
RECORDED BY DATE

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY GCC DATE 6/04	
		DRAWN BY ARD DATE 6/04	
		CHECKED BY DHW DATE 2/05	

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL
DAVID H. WILSON NEW MEXICO 13703 REGISTERED
02/24/05

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION GROUP

PASEO DEL NORTE EXTENSION
NPDES SUGGESTED PLAN

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update: Mo./Day/Yr. Mo./Day/Yr.

City Project No. 705002 | Zone Map C-11 | Sheet 2-6 Of

Date: Feb 22, 2005 - 7:53am adoyle Layout: Sheet1 (2)
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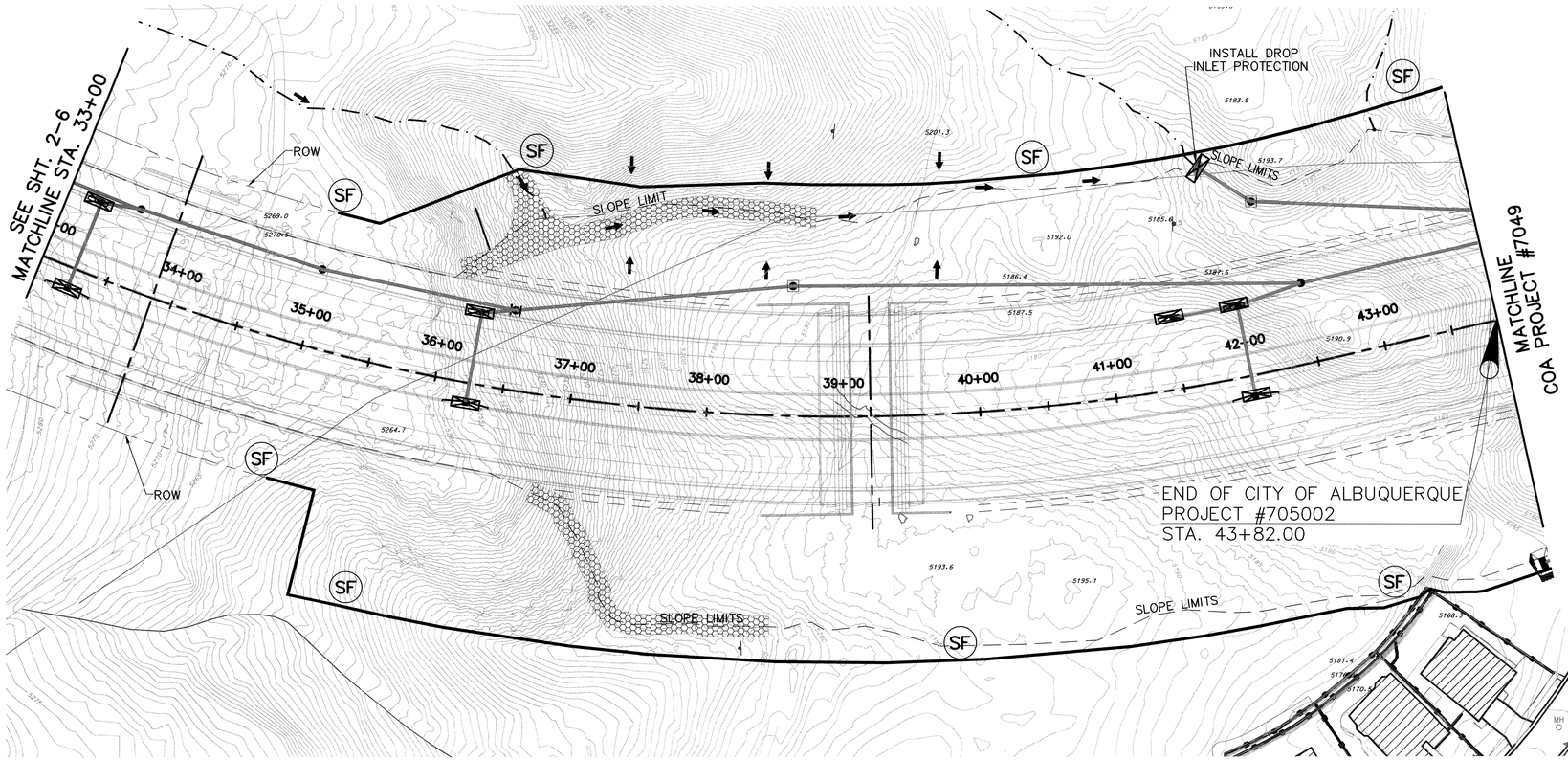


PASEO DEL NORTE

SCALE: 1"=50'

SF SILT FENCE

CD CHECK DAM TYPE II (STONE DAM)

DROP INLET PROTECTION

NOTE:
NPDES MEASURES FOR INFORMATION ONLY. NPDES SPEC SECTION 630, NPDES COMPLIANCE, SHALL PREVAIL FOR SCOPE OF WORK, AND MEASUREMENT OF PAYMENT.

NOTE:
NORTH SIDE OF ROADWAY (STD C&G, MEDIAN C&G, AND ASPHALT CONCRETE PAVEMENT) TO BE CONSTRUCTED IN THE FUTURE. CONTRACTOR SHALL BUILD SUBGRADE UP TO FINISHED GRADE, I.E. TOP OF FUTURE PAVEMENT SECTION. PROPOSED STORM DRAIN (INLETS, PIPE AND MANHOLES), RETAINING WALLS, AND SAS TO BE CONSTRUCTED AS PER THEIR RESPECTIVE PLANS.

AS-BUILT INFORMATION
CONTRACTOR Sais Bros. DATE 1/06
WORK STAKED BY Survtek
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson + Co. DATE 1/06
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA. IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR. THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER - 1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
DAVID H. WILSON NEW MEXICO 13703 REGISTERED PROFESSIONAL ENGINEER
12/24/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		GCC	DATE 6/04
DRAWN BY		ARD	DATE 6/04
CHECKED BY		DHW	DATE 2/05

Gannett Fleming West, Inc.
2155 Louisiana NE, Suite 9000 Albuquerque, New Mexico 87110
Office: (505) 265-8468 Facsimile: (505) 881-2513

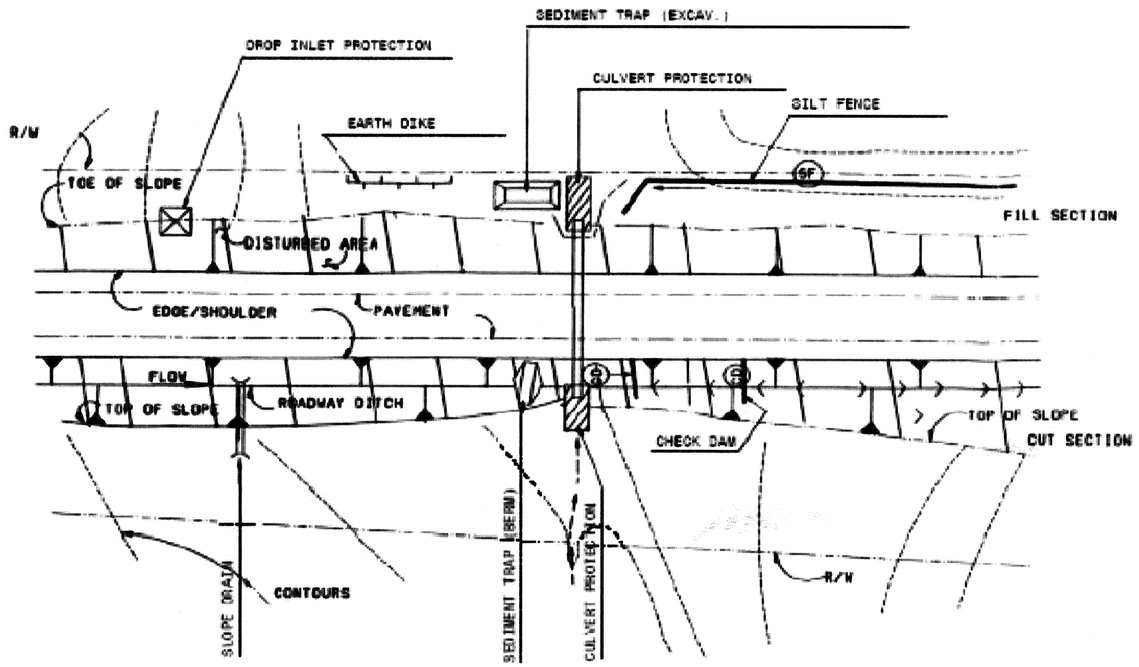
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION GROUP

PASEO DEL NORTE EXTENSION
NPDES SUGGESTED PLAN

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. 705002 | Zone Map C-11 | Sheet 2-7 Of

Date: Feb 24, 2005 - 9:43am adoyle Layout: Sheet2
Drawing Name: K:\PROJECTS\43313\Plans\43313E03.dwg (For Internal Use Only)



TYPICAL USAGE OF SELECTED EROSION AND SEDIMENT CONTROL MEASURES

STANDARD SYMBOLS FOR EROSION AND SEDIMENT CONTROL MEASURES

Silt Fence	SF	Slope Drain		Sediment Trap, Berm	
Straw Bale	SB	Drop Inlet Protection		Sediment Trap, Excavated	
Earth Dike (Berm)	ED	Culvert Protection		Sediment Basin	
Diversion Channel (Swale)	DC	Check Dam	CD	Triangular Sediment Filter Dike	TSFD

TEMPORARY EROSION & SEDIMENT CONTROL MEASURES (T.E.S.C.M.)

GENERAL NOTES:

1. THE SOIL RETENTION BLANKET INSTALLATION DETAILS SHOWN FOR CULVERT PROTECTION SHALL BE USED FOR ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES UTILIZING SOIL RETENTION BLANKETS UNLESS OTHERWISE NOTED.
2. ROCK PLACEMENT USED IN THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THESE SHEETS SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES UNLESS OTHERWISE INDICATED.
3. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES PLACED WITHIN THE CONSTRUCTION CLEAR ZONE SHALL BE INSTALLED WITH 8:1 SLOPES PARALLEL TO TRAFFIC AND 4:1 SLOPES PERPENDICULAR TO TRAFFIC.
4. SEDIMENT TRAPS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN APPROXIMATELY 50% FILLED.
5. CHECK DAMS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN THE DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE CHECK DAM.
6. CULVERT PROTECTIONS SHALL BE INSTALLED UPON INITIATION OF EARTH ACTIVITIES AND MAINTAINED AS MUCH AS PRACTICAL UNTIL STABILIZATION IS COMPLETED AND ACCEPTED. CULVERT PROTECTIONS MAY BE REMOVED FOR PERIODS OF TIME AS REQUIRED DURING CONSTRUCTION TO COMPLETE ADJACENT IMPROVEMENTS.
7. THE CONTRACTOR MAY CONSTRUCT AN EARTH DIKE AS SHOWN, OR RELOCATE THE CHECK DAMS AS CONSTRUCTION PROGRESSES. NO DIRECT PAYMENT SHALL BE MADE FOR RELOCATION OF THE CHECK DAMS.

SURVEY INFORMATION
FIELD NOTES
NO. | DATE | BY

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "AGS 1-C11" 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA. IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA. FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR. THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER - 1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION
CONTRACTOR Sells Bros.
WORK STAKED BY Survtek DATE 1/08
INSPECTOR'S DRAWINGS BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson + Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
DAVID H. WILSON NEW MEXICO 13703 REGISTERED
02/24/05
STANDARD DRAWING REVIEWED FOR PROJECT APPLICABILITY ONLY

NO.	DATE	REMARKS	BY
REVISIONS			
DESIGN			
DESIGNED BY	DATE 6/04	GCC	
DRAWN BY	DATE 6/04	ARD	
CHECKED BY	DATE 2/05	DHW	

Gannett Fleming West, Inc.
2155 Louisiana NE, Suite 9000 Albuquerque, New Mexico 87110
Office: (505) 265-8468 Facsimile: (505) 881-2513

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION GROUP

PASEO DEL NORTE EXTENSION
NPDES SUGGESTED MEASURES

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 705002 | Zone Map C-11 | Sheet 2-8 | Of

Date: Feb 24, 2005 - 9:04am gclarke Layout: Sheet1
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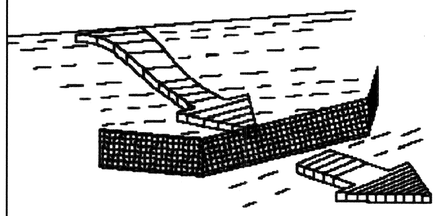


SILT FENCE

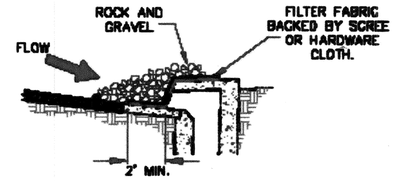
NOTES: SILT FENCE

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE POST SPACING FOR SILT FENCES TO MINIMIZE MAINTENANCE

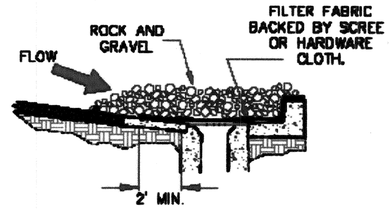
1. POST SPACING SHALL BE 4 FT. MAXIMUM WITHOUT SUPPORTING FENCE.
2. POSTS FOR 4 FT. MAXIMUM POST SPACING SHALL BE 2 INCH SQUARE NOMINAL SIZE OR HEAVIER WOOD POSTS, OR STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 LB. PER LINEAR FOOT.
3. SUPPORTING FENCE SHALL BE WIRE MESH (14 GA. MIN., 1 INCH MAX. MESH OPENINGS). SNOW FENCE, PLASTIC FENCE OR APPROVED EQUAL.
4. SUPPORTING FENCE SHALL BE FASTENED SECURELY TO POSTS WITH STAPLES OR WIRE TIES. FILTER FABRIC SHALL BE FASTENED SECURELY TO SUPPORTING FENCE WITH WIRE TIES SPACED AT 2 FT. CENTERS ALONG THE TOP AND MID-SECTION. WHEN A SUPPORTING FENCE IS NOT USED. FILTER FABRIC SHALL BE SECURELY FASTENED TO POSTS WITH STAPLES OR WIRE TIES.
5. WHEN SILT FENCE IS USED FOR CHECK DAMS INSTALLED IN DITCHES, A SUPPORTING FENCE SHALL BE PROVIDED, WITH MAXIMUM POST SPACING OF 10 FT.
6. STANDARD "T" OR "U" SECTION STEEL POSTS SHALL NOT BE USED WITHIN THE CONSTRUCTION CLEAR ZONE RECOVERY AREA.

NOTES: GRAVEL INLET PROTECTION

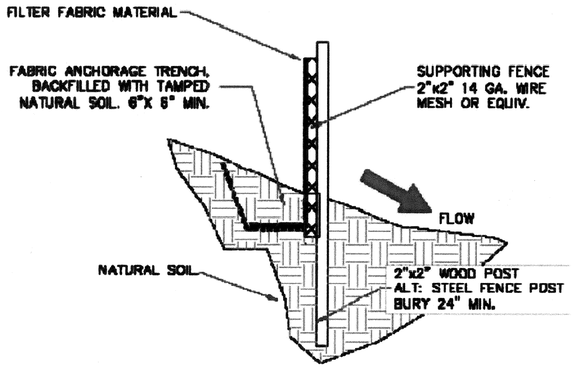
1. THIS INSTALLATION IS FOR A TYPE I CURB DROP INLET ONLY. THE TYPE II, III TO "N" INSTALLATION IS SIMILAR.
2. THE SPACING OF THE LONGITUDINAL BRACING SHALL NOT EXCEED 5 FT.



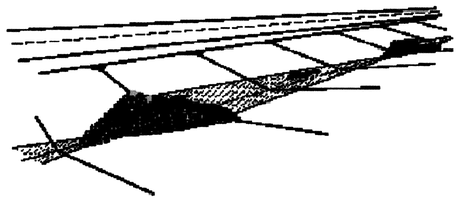
TYPE I
CURB OPENING

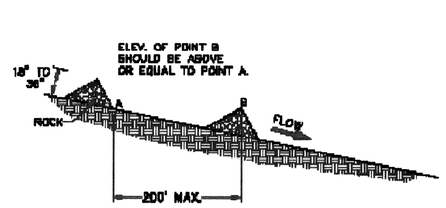


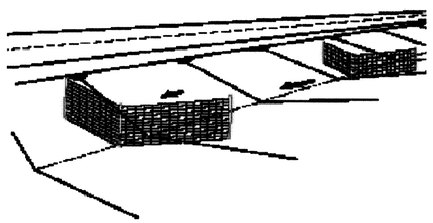
TYPE II
CURB DROP INLET

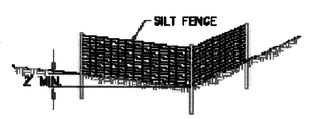


SILT FENCE

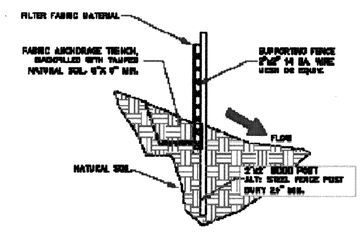






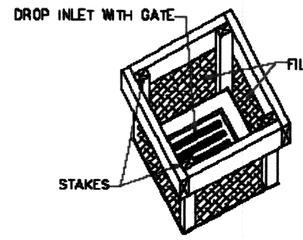


SECTION



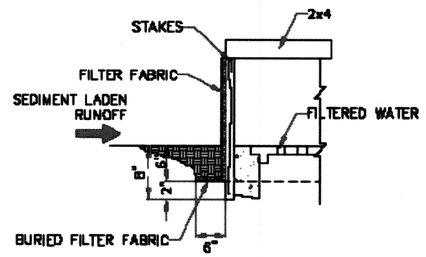
DETAIL

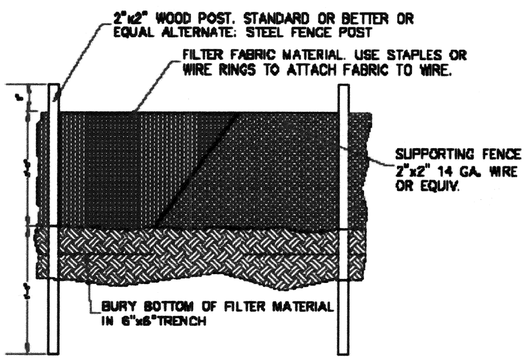
TYPE I
(SILT FENCE)

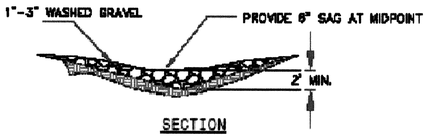


TYPE I

NOTE: WHEN SPECIFIED, ROCKS OR STRAW BALES CAN BE SUBSTITUTED FOR SILT FENCE.







SECTION

PROFILE

TYPE II
(STONE DAM)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

AS-BUILT INFORMATION
CONTRACTOR Salls Bros. DATE 1/08
WORK INSPECTED BY SunTek
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY Wilson + Co. DATE 1/08
RECORDED BY DATE
NO.

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MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
DAVID H. WILSON NEW MEXICO 13703 REGISTERED PROFESSIONAL ENGINEER
02/24/05

STANDARD DRAWING REVIEWED FOR PROJECT APPLICABILITY ONLY

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	GCC 6/04
		DESIGNED BY	GCC DATE 6/04
		DRAWN BY	ARD DATE 6/04
		CHECKED BY	DHW DATE 2/05

Gannett Fleming West, Inc.
2155 Louisiana NE, Suite 9000 Albuquerque, New Mexico 87110
Office: (505) 265-8468 Facsimile: (505) 881-2513

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION GROUP

PASEO DEL NORTE EXTENSION
NPDES SUGGESTED MEASURES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No.	Zone Map	Sheet	Of
705002	C-11	2-9	

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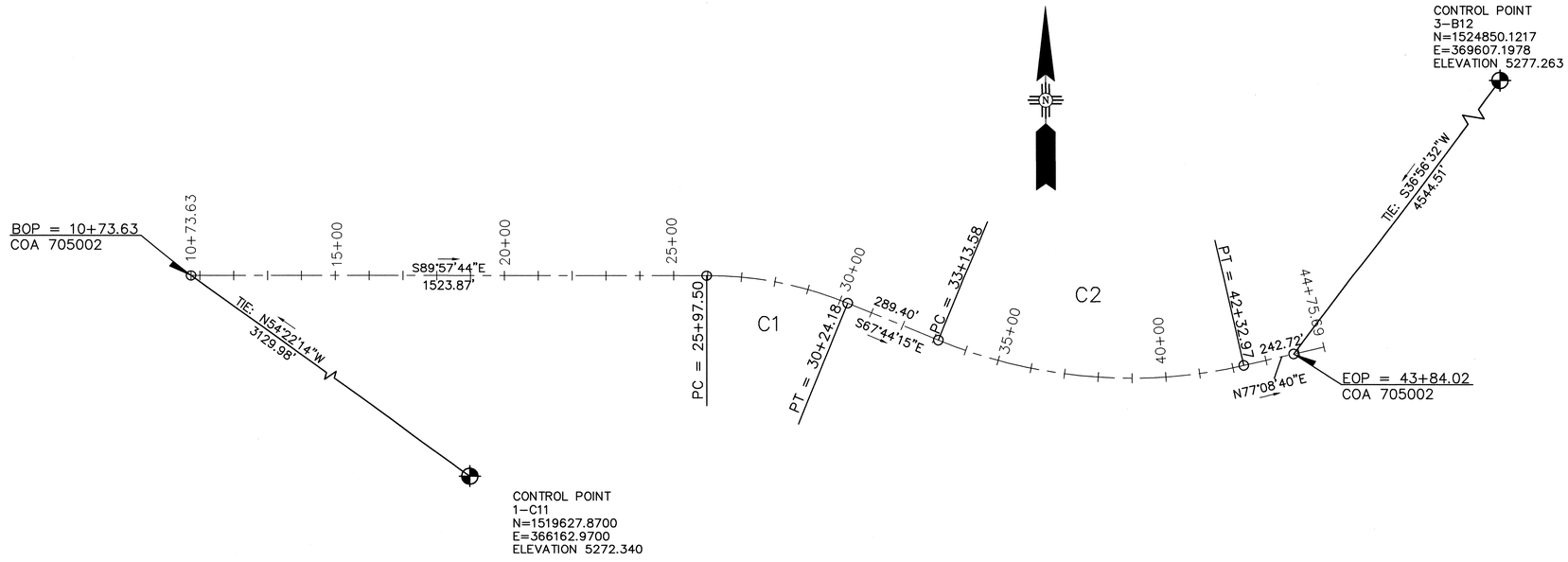

PASEO DEL NORTE
GEOMETRIC & HORIZONTAL CONTROL

SCALE: 1"= 200'

CENTERLINE OF CONSTRUCTION PASEO DEL NORTE					PROJECT GROUND COORDINATES (FT)	
REF.	DESCRIPTION	STATION	BEARING	DISTANCE	NORTHING	EASTING
3-1	BOP	10+73.63			1521451.2046	363618.9147
3-1&3-2	COURSE FROM BOP (NO HRZ. CURVE) TO PC CURVE NO. 1		S89°57'44"E	1523.87'		
3-2	PC CURVE NO. 1	25+97.50			1521450.1998	365142.7816
3-2	PI CURVE NO. 1	28+13.56			1521450.0574	365358.8394
3-2	PT CURVE NO. 1	30+24.18			1521368.2037	365558.7919
3-2	COURSE FROM PT (NO HRZ. CURVE) TO PC CURVE NO. 2		S67°44'15"E	289.40'		
3-2	PC CURVE NO. 2	33+13.58			1521258.5657	365826.6163
3-3	PI CURVE NO. 2	37+88.23			1521078.7449	366265.8832
3-3	PT CURVE NO. 2	42+32.97			1521184.3516	366728.6339
3-3	COURSE FROM PT (NO HRZ. CURVE) TO EOP		N77°08'40"E	242.72'		
3-3	EOP	44+75.69			1521238.3552	366965.2685

CURVE TABLE						
CURVE	LENGTH	RADIUS	TANGENT	DELTA	EXTERNAL	MID-ORD
C1	426.68'	1100.00'	216.06'	22°13'29"	21.02'	20.62'
C2	919.39'	1500.00'	474.65'	35°07'05"	73.31'	69.89'

NOTE:
THE HORIZONTAL COORDINATE SYSTEM IS LOCAL, GROUND MODIFIED FROM NEW MEXICO STATE PLANE COORDINATES, CENTRAL ZONE, NORTH AMERICAN DATUM OF 1927. ELEVATIONS SHOWN ARE BASED ON THE NATIONAL GEODETIC VERTICAL DATUM OF 1929. THE COMBINED SCALE FACTOR FOR GROUND TO GRID TRANSFORMATION OF THE HORIZONTAL COORDINATES IS 0.9996693

BENCH MARKS
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AS-BUILT INFORMATION
CONTRACTOR Sells Bros.
WORK STAKED BY Surv Tek DATE 1/08
WORK ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS APPROVED BY Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO 20020 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY SGG DATE FEB 2005
DRAWN BY ELO/RP DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
GEOMETRIC & HORIZONTAL CONTROL

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C-11
Sheet 3-1 Of

WILSON & COMPANY

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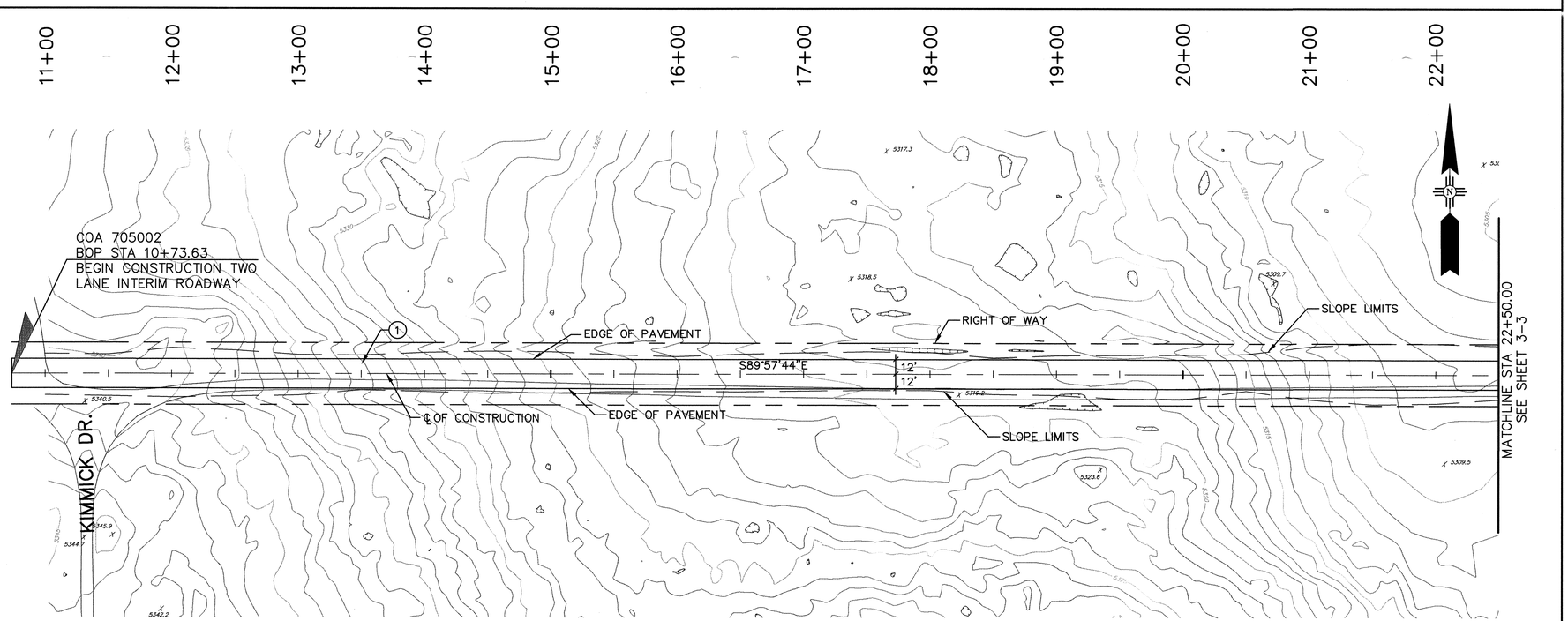
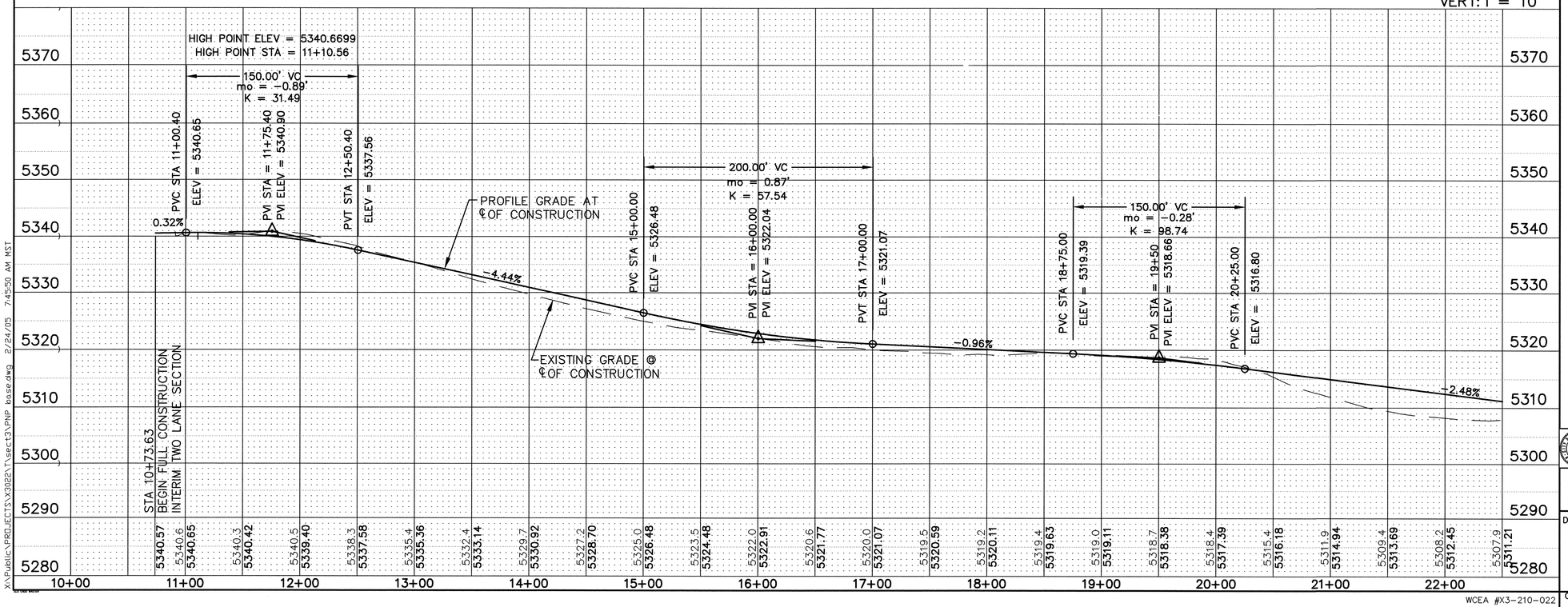


PASEO DEL NORTE

SCALE:
HORIZ: 1"= 50'
VERT: 1"= 10'



WCEA #X3-210-022

KEYED NOTES:

(1) CONSTRUCT TWO LANE INTERIM ROADWAY.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

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AS-BUILT INFORMATION

CONTRACTOR Sauls Bros. DATE 1/08
WORK STAKED BY SunTek DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD TAKE VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson DATE 1/08
RECORDED BY DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY SGG DATE FEB 2005
DRAWN BY STAFF DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY PLAN & PROFILE
STA 10+00 TO STA 22+50

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER

Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 705002
Zone Map No. C-11
Sheet 3-2 Of

WILSON & COMPANY

Sheet Of

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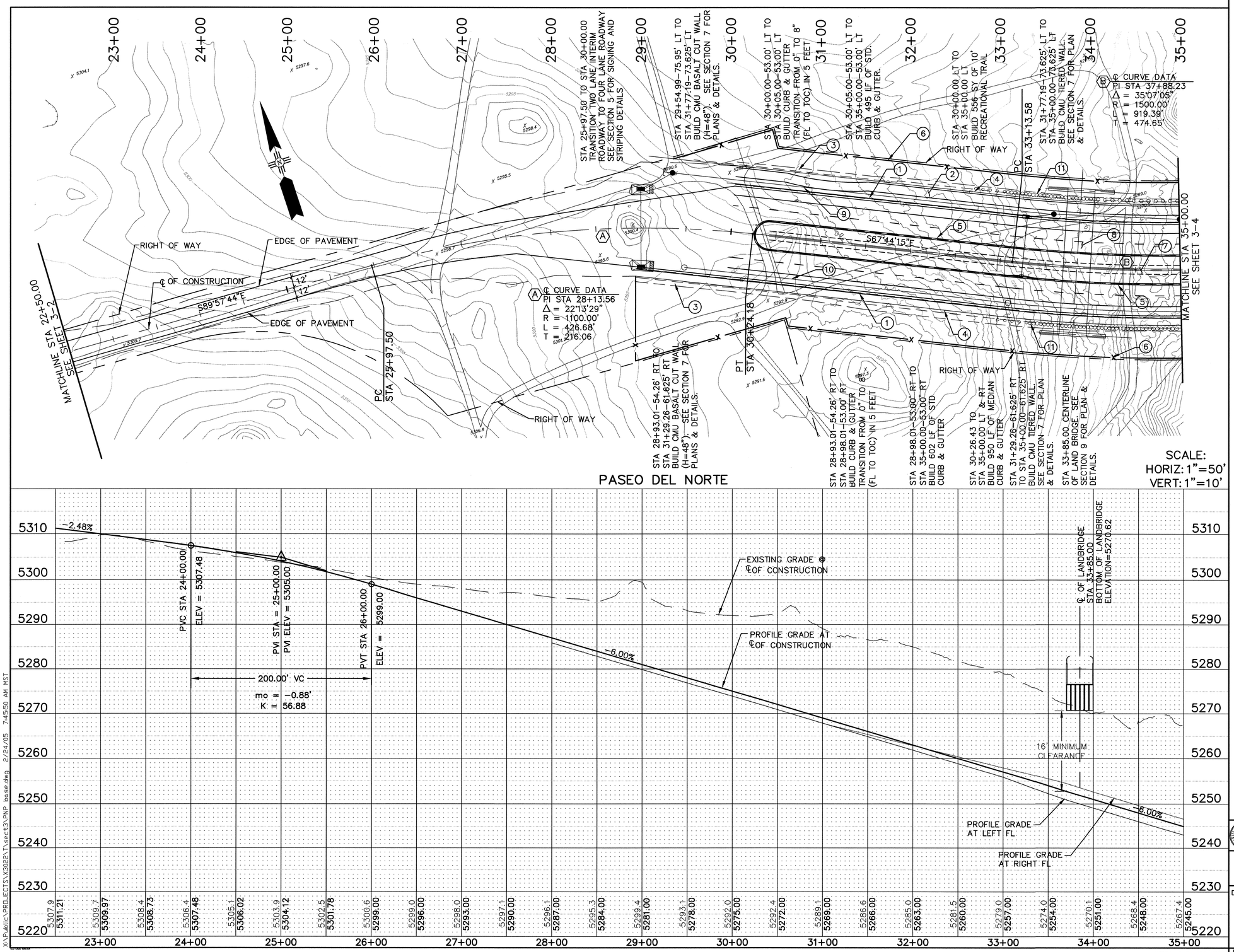

KEYED NOTES:

1. CONSTRUCT STD. CURB & GUTTER PER COA STD. DWG. 2415A.
2. CONSTRUCT 10' RECREATIONAL TRAIL.
3. CONSTRUCT CMU BASALT CUT WALL (SEE SECTION 7 FOR PLAN & DETAILS.)
4. CONSTRUCT CMU TIERED WALL (SEE SECTION 7 FOR PLAN & DETAILS.)
5. CONSTRUCT MEDIAN CURB & GUTTER PER COA STD. DWG. 2415B.
6. CONSTRUCT OPEN SPACE FENCE (SEE SHEETS 4–1, 4–2 FOR LAYOUT, & SHEET 2–5 FOR FENCE DETAILS.)
7. 10' LANDSCAPED AREA (SEE SECTION 6 LANDSCAPE FOR PLAN & DETAILS.)
8. CONSTRUCT 30' WIDE LAND BRIDGE (SEE SECTION 9 FOR PLAN & DETAILS.)
9. CONSTRUCT STORM DRAIN SYSTEM (SEE SHTS. 3–5 & 3–6.)
10. CONSTRUCT SANITARY SEWER (SEE SHTS. 3–10 & 3–11.)
11. CONSTRUCT SOLDIER PILE RETAINING WALL (SEE SECTION 7 FOR PLAN & DETAILS.)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

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AS–BUILT INFORMATION

CONTRACTOR Sauls Bros. DATE 1/08

WORK INSPECTED BY Survitek DATE 1/08

INSPECTOR'S ACCEPTANCE BY DATE

FIELD VERIFICATION BY DATE

DRAWINGS CORRECTED BY Wilson & DATE 1/08

RECORDED BY DATE

NO.

MICRO–FILM INFORMATION

ENGINEER'S SEAL

SYLVIA · GRACE · VIGIL NEW MEXICO 16020 LICENSED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS
		REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	SGG	DATE FEB 2005
DRAWN BY	STAFF	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY PLAN & PROFILE
STA 22+50 TO STA 35+00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C–11	3–3	

WILSON & COMPANY

WCEA #X3–210–022

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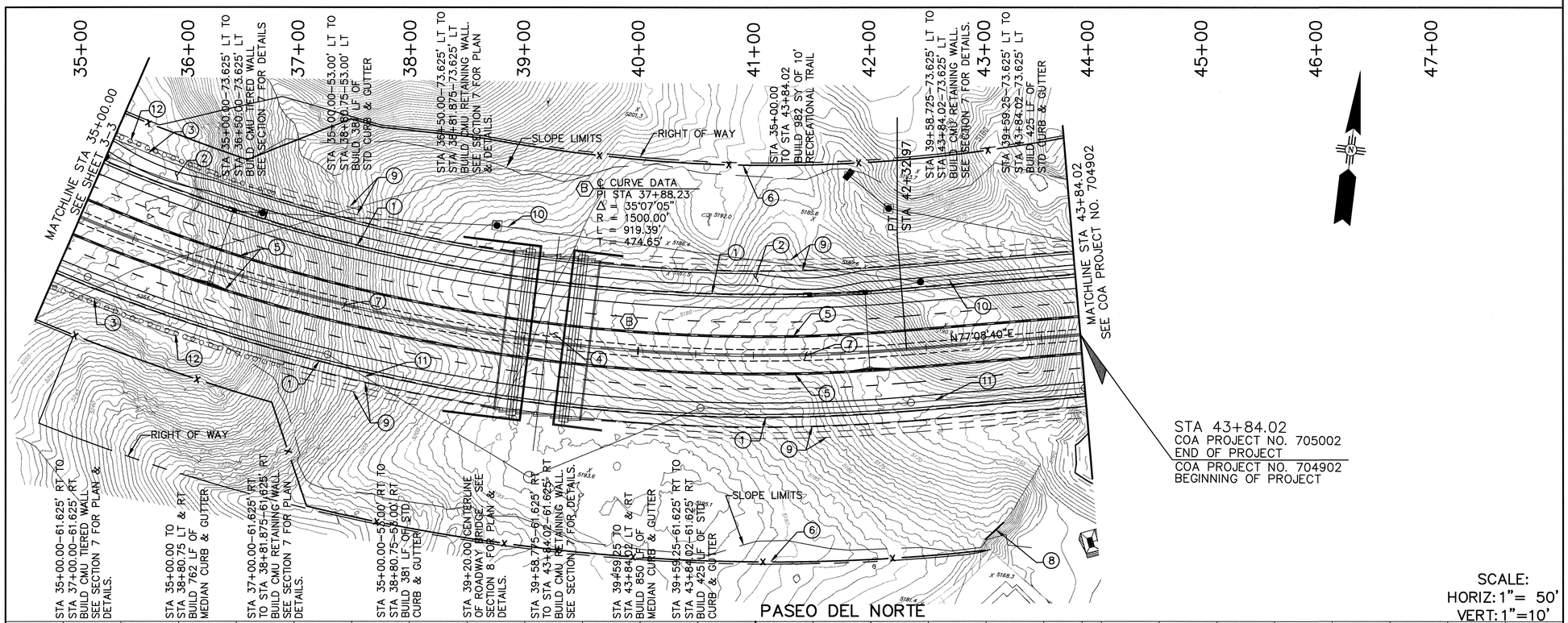

KEYED NOTES:

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2. CONSTRUCT 10' RECREATIONAL TRAIL.
3. CONSTRUCT CMU BASALT CUT WALL (SEE SECTION 7 FOR PLAN & DETAILS.)
4. CONSTRUCT ROADWAY BRIDGE (SEE SECTION 8 FOR PLAN & DETAILS.)
5. CONSTRUCT MEDIAN CURB & GUTTER PER COA STD. DWG. 2415B.
6. CONSTRUCT FENCE (SEE SHEETS 4–1, 4–2 FOR LAYOUT, & SHEET 2–5 FOR FENCE DETAILS).
7. 10' LANDSCAPED AREA (SEE SECTION 6 LANDSCAPE FOR PLAN & DETAILS.)
8. CONSTRUCT PIPE GATE (SEE SHEET 2–5 FOR DETAILS).
9. CONSTRUCT CONCRETE MASONRY RETAINING WALL WITH 5' BERM. (SEE SECTION 7 AND COA PROJECT 704902 FOR PLAN & DETAILS.)
10. CONSTRUCT STORM DRAIN SYSTEM (SEE SHTS. 3–5 & 3–6.)
11. CONSTRUCT SANITARY SEWER (SEE SHTS. 3–10 & 3–11.)
12. CONSTRUCT SOLDIER PILE RETAINING WALL (SEE SECTION 7 FOR PLAN & DETAILS.)

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AS–BUILT INFORMATION

CONTRACTOR Sells Bros. DATE 1/08
WORKS BY Suntek
INSPECTOR'S INITIALS/IMAGE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co. DATE 1/08
RECORDED BY MICRO–FILM INFORMATION DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY SGG DATE FEB 2005
DRAWN BY STAFF DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIDISION

PASEO DEL NORTE EXTENSION
ROADWAY PLAN & PROFILE
STA 35+00 TO STA 43+84.02

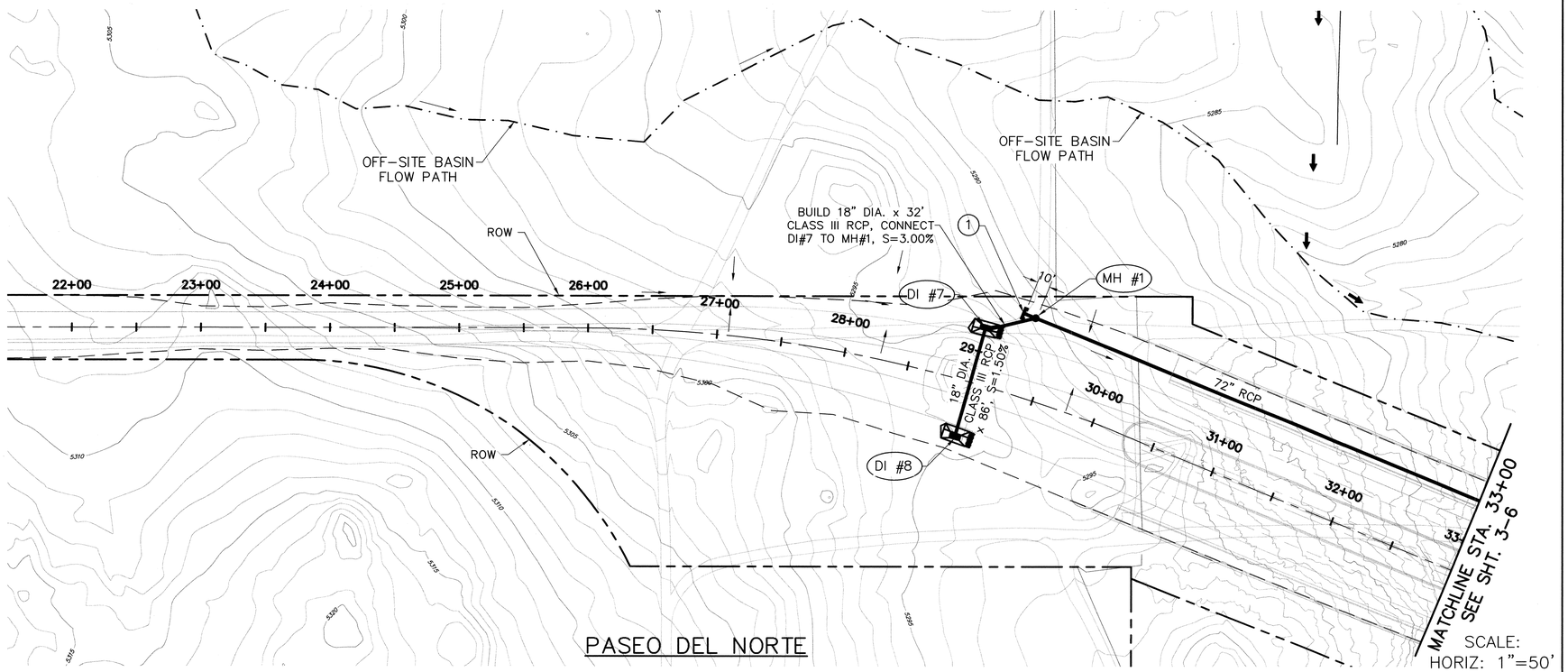
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

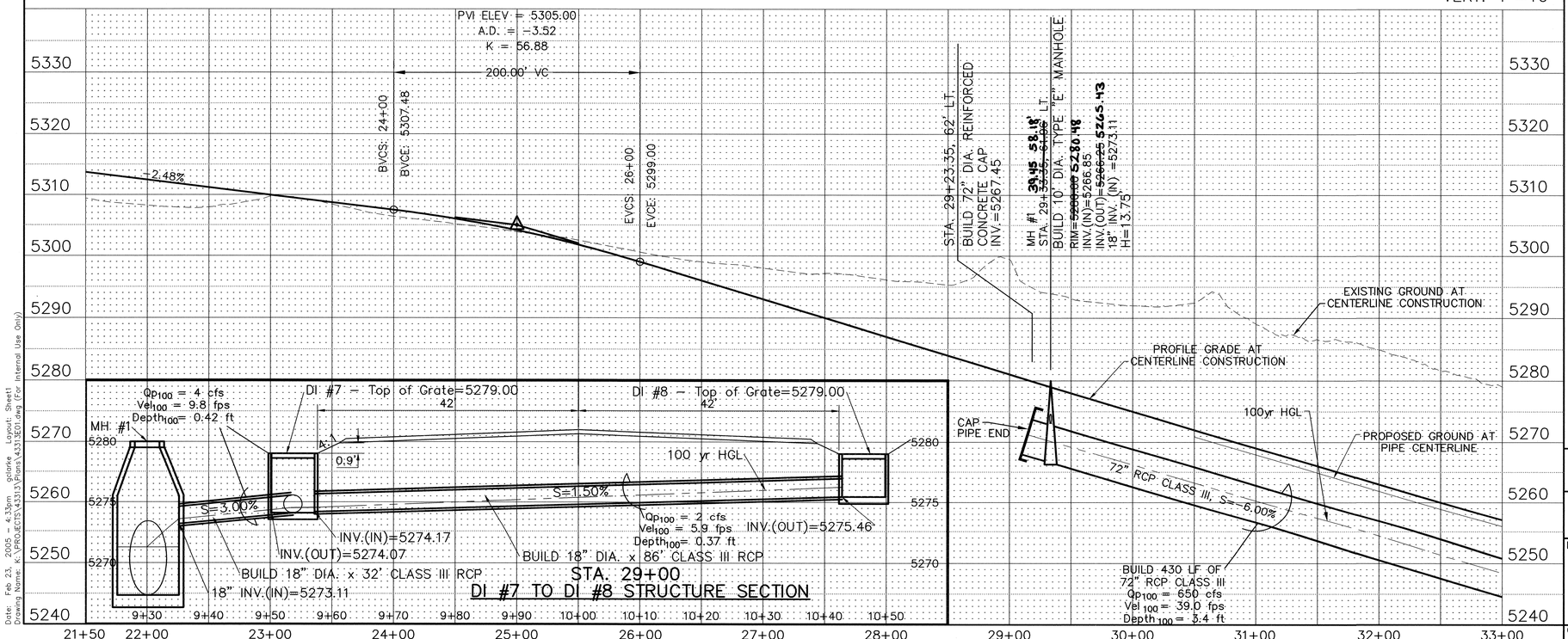
City Project No.	Zone Map No.	Sheet	Of
705002	C–11	3–4	

WILSON & COMPANY

WCEA #X3–210–022

X:\Public\PROJECTS\X3022\T\sect3\PNP base.dwg 2/24/05 7:45:50 AM MST





CONSTRUCTION BUILD NOTES

(1) BUILD 72" DIA. REINFORCED CONCRETE PIPE CAP

STORM DRAIN DROP INLETS:

(DI #7) **STA. 29+00.00, 42' LT.**
(OUTSIDE EDGE OF DI)
BUILD TYPE "D" DOUBLE GRATE
DROP INLET, C.O.A. STD. DWG. 2206
GRATE ELEV.= ~~5279.00~~ 5279.18
INV. (IN)= ~~5274.17~~
INV. (OUT)= ~~5274.02~~ 5274.00 H=4.93' 5273.98

(DI #8) **STA. 29+00.00, 42' RT.**
(OUTSIDE EDGE OF DI)
BUILD TYPE "D" DOUBLE GRATE
DROP INLET, C.O.A. STD. DWG. 2206
GRATE ELEV.=~~5279.00~~ 5278.95
INV. (OUT)=~~5275.46~~, H=3.54' 5275.60

MANHOLE STRUCTURES:

(MH #1) **STA. 29+~~33.35~~ 39.45, ~~61.96~~ 58.18' LT.**
BUILD 10' DIA. TYPE "E" MANHOLE
RIM=~~5280.00~~ 5280.48
INV.(IN)=5266.85
INV.(OUT)=~~5266.25~~ 5265.43
18" INV. (IN)=5273.11, H=13.75'

NOTE:
NORTH SIDE OF ROADWAY (STD C&G, MEDIAN C&G, AND ASPHALT CONCRETE PAVEMENT) TO BE CONSTRUCTED IN THE FUTURE. CONTRACTOR SHALL BUILD SUBGRADE UP TO FINISHED GRADE, I.E. TOP OF FUTURE PAVEMENT SECTION. PROPOSED STORM DRAIN (INLETS, PIPE AND MANHOLES), RETAINING WALLS, AND SAS TO BE CONSTRUCTED AS PER THEIR RESPECTIVE PLANS.

Connett Fleming West, Inc.
2155 Louisiana NE, Suite 9000 Albuquerque, New Mexico 87110
Office: (505) 265-8468 Facsimile: (505) 881-2513

AS-BUILT INFORMATION
CONTRACTOR Sulls Bros. DATE 1/08
WORK INSPECTED BY SunTek DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
CORRECTED BY Wilson Co. DATE 1/08
RECORDED BY DATE

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SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
DAVID H. WILSON NEW MEXICO 13703 REGISTERED PROFESSIONAL ENGINEER
02/24/05

REVISIONS
NO. | DATE | REMARKS | BY
DESIGN
DESIGNED BY GCC DATE 6/04
DRAWN BY ARD DATE 6/04
CHECKED BY DHW DATE 2/05

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION GROUP

PASEO DEL NORTE EXTENSION
DRAINAGE PLAN & PROFILE

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 705002 | Zone Map C-11 | Sheet 3 Of 5

Date: Feb 23, 2005 - 4:33pm gclarke Layout: Sheet1
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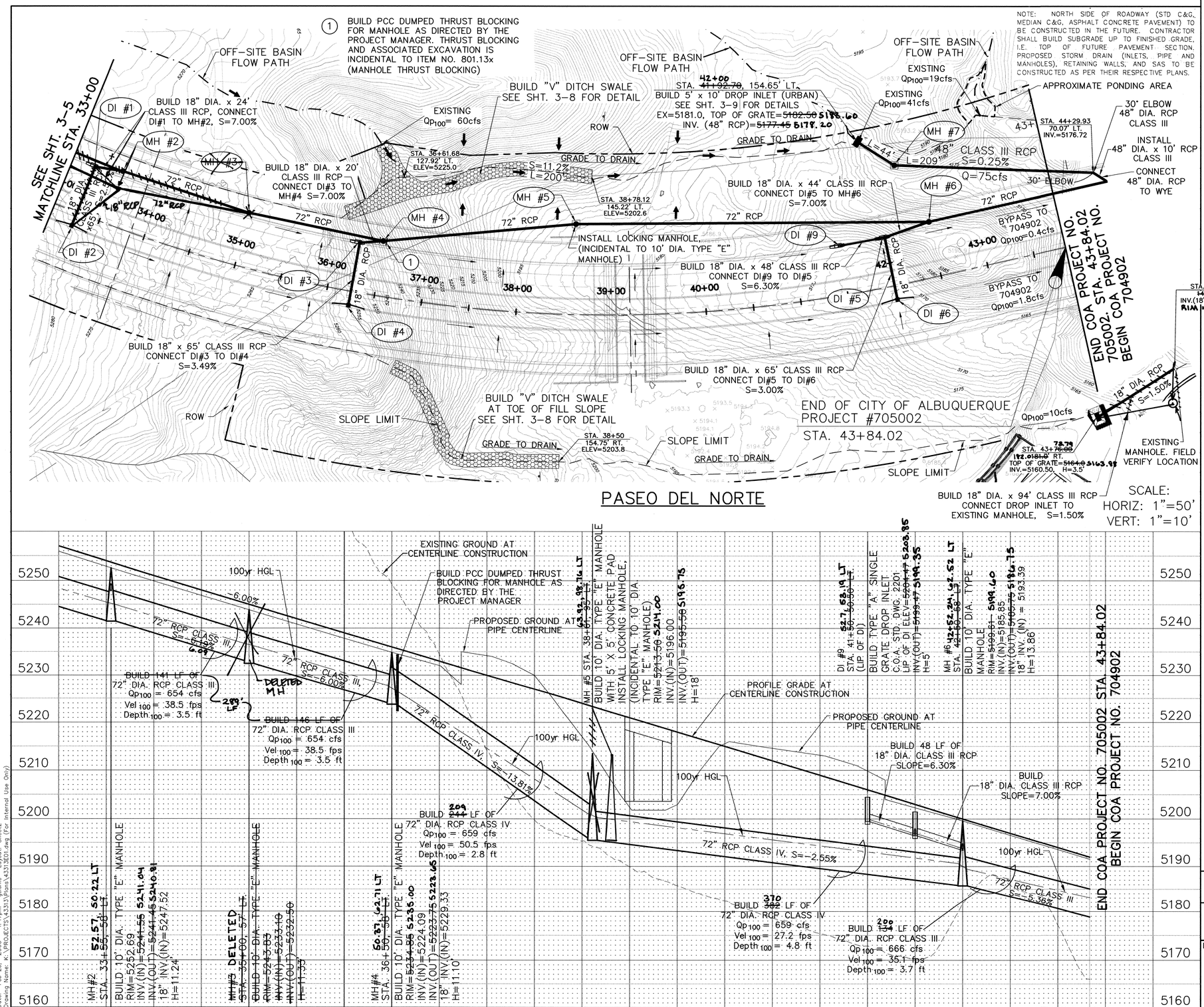

STORM DRAIN DROP INLETS:

DI #1 STA. 33+25.00, 50.50' LT. (LIP OF DI)
BUILD TYPE "A" SINGLE GRATE
DROP INLET, C.O.A. STD. DWG. 2201
LIP OF DROP INLET ELEV.=~~5254.20~~ 5253.98
INV. (IN)=5249.30
INV. (OUT)=~~5249.20~~, H=5' 5249.58

DI #2 STA. 33+25.00, 17.00' RT. (LIP OF DI)
BUILD TYPE "C" SINGLE GRATE
DROP INLET, C.O.A. STD. DWG. 2201
LIP OF DROP INLET ELEV.=~~5255.94~~ 5255.34
INV. (OUT)=~~5250.94~~, H=5' 5250.99

DI #3 STA. 36+25.00, 50.50' LT. (LIP OF DI)
BUILD TYPE "C" SINGLE GRATE
DROP INLET, C.O.A. STD. DWG. 2201
LIP OF DROP INLET ELEV.=~~5235.75~~ 5235.47
INV. (IN)=5230.83
INV. (OUT)=~~5230.73~~, H=5' 5229.27

DI #4 STA. 36+25.00, 17' RT. (LIP OF DI)
BUILD TYPE "C" SINGLE GRATE
DROP INLET, C.O.A. STD. DWG. 2201
LIP OF DROP INLET ELEV.=~~5238.10~~ 5237.72
INV.(OUT)=~~5233.10~~, H=5' 5232.92 ~~53.22~~

DI #5 STA. 42+00.00, ~~50.50~~ LT. (LIP OF DI)
BUILD TYPE "C" SINGLE GRATE
DROP INLET, C.O.A. STD. DWG. 2201
LIP OF DROP INLET ELEV.=~~5201.47~~ 5201.16
INV.(IN)=5196.57
INV. (OUT)=~~5196.47~~, H=5' 5195.86

DI #6 STA. 42+00.00, ~~57.12~~ RT. (LIP OF DI)
BUILD TYPE "C" SINGLE GRATE
DROP INLET, C.O.A. STD. DWG. 2201
LIP OF DROP INLET ELEV.=5203.52
INV.(OUT)=~~5198.52~~, H=5' 5198.19

MANHOLE STRUCTURES:

MH #2 STA. 33+~~55.00, 58~~ 52.57 – 50.22 LT.
BUILD 10' DIA. TYPE "E" MANHOLE
RIM=~~5252.69~~ 5252.56
INV.(IN)=~~5241.55~~ 5241.04
INV.(OUT)=~~5241.45~~ 5240.81
18" INV. (IN)=5247.52, H=11.24'

MH #3 ~~STA. 35+00.00, 57' LT.~~ DELETED
~~BUILD 10' DIA. TYPE "E" MANHOLE~~
~~RIM=5243.83~~
~~INV.(IN)=5233.10~~
~~INV.(OUT)=5232.50~~
~~H=11.33'~~

MH #4 STA. ~~36+50.00, 58' LT.~~ 36+50.37, 62.71 LT
BUILD 10' DIA. TYPE "E" MANHOLE
RIM=~~5234.85~~ 5235.00
INV.(IN)=5224.09
INV.(OUT)=~~5223.75~~ 5223.65
18" INV. (IN)=5229.33, H=11.10'

MH #5 STA. ~~38+61.00, 95' LT.~~ 38+63.9, 98.74 LT
BUILD 10' DIA. TYPE "E" MANHOLE WITH 5' x 5' CONCRETE PAD
INSTALL LOCKING MANHOLE (INCIDENTAL TO 10" DIA. TYPE "E" MANHOLE)
RIM=~~5213.50~~ 5214.00
INV.(IN)=5196.00
INV.(OUT)=~~5195.50~~, H=18' 5195.75

MH #6 STA. 42+~~50.00, 58' LT.~~ 42.24, 62.52 LT
BUILD 10' DIA. TYPE "E" MANHOLE
RIM=5199.61
INV.(IN)=5185.85
INV.(OUT)=~~5185.75~~ 5186.75
18" INV. (IN)=5193.39, H=13.86'

MH #7 STA. 42+~~27.29, 124.23' LT.~~ 29.80, 126.57
BUILD 6' DIA. TYPE "E" MANHOLE WITH 5' x 5' CONCRETE PAD
RIM=~~5192.50~~ 5192.27
INV.(IN)=5177.35
INV.(OUT)=~~5177.25~~, H=15.25' 5177.57

Connett Fleming West, Inc.
2155 Louisiana NE, Suite 9000 Albuquerque, New Mexico 87110
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AS-BUILT INFORMATION
BENCH MARKS
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CONTRACTOR Sells Bros. DATE 1/08
SURVEYED BY Sowter DATE 1/08
INSPECTOR'S FIELD CHANGES BY DATE
FIELD VERIFICATION BY DATE
CORRECTED BY Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
DANIEL H. WILSON NEW MEXICO 13703 REGISTERED PROFESSIONAL ENGINEER
02/24/05

REVISIONS
NO. DATE REMARKS BY DATE
DESIGN GCC 6/04
DESIGNED BY GCC 6/04
DRAWN BY ARD 6/04
CHECKED BY DHW 2/05

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION GROUP

PASEO DEL NORTE EXTENSION
DRAINAGE PLAN & PROFILE

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 705002 | Zone Map C-11 | Sheet 3 Of 6

Date: Feb 23, 2005 – 4:47pm gclarke Layout: Sheet2
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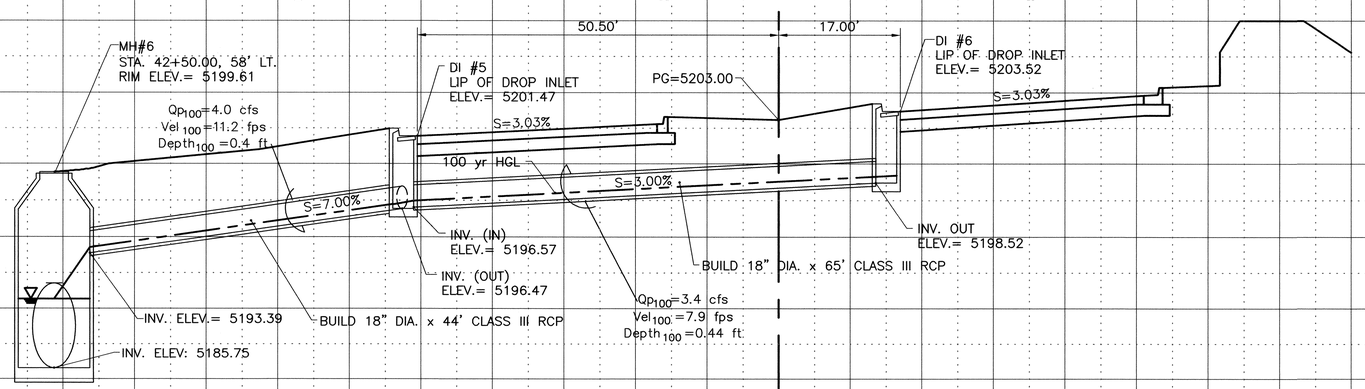
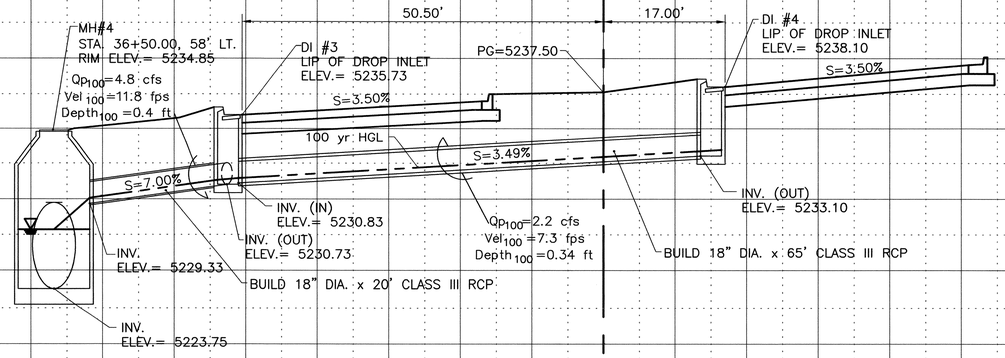
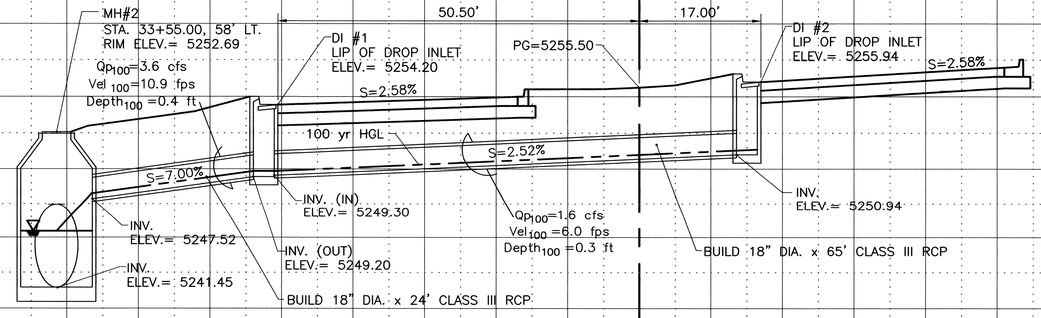
℄ OF CONSTRUCTION



STATION 42+00.00
STRUCTURE SECTION



STATION 36+25.00
STRUCTURE SECTION



STATION 33+25.00
STRUCTURE SECTION

SCALE: 1"=10' HORIZ.
1"= 5' VERT.

℄ OF CONSTRUCTION

NOTE:
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AS-BUILT INFORMATION
CONTRACTOR Sauls Bros. DATE 1/08
WORK INSPECTED BY Survtek DATE
INSPECTION'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
AS-BUILTS CORRECTED BY Wilson & Co. DATE 1/08
RECORDED BY DATE

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SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL
REGISTERED DAVID H. WILSON NEW MEXICO 13703 SURVEYOR
02/24/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	DESIGNED BY	GCC	DATE 6/04
	DRAWN BY	ARD	DATE 6/04
	CHECKED BY	DHW	DATE 2/05

Connett Fleming West, Inc.
2155 Louisiana NE, Suite 9000 Albuquerque, New Mexico 87110
Office: (505) 265-8468 Facsimile: (505) 881-2513

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION GROUP

PASEO DEL NORTE EXTENSION
STRUCTURE SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 9 1 2005 DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No.	Zone Map	Sheet	Of
705002	C-11	3-7	

Date: Feb 23, 2005 - 3:24pm adoyle Layout: Sheet 3
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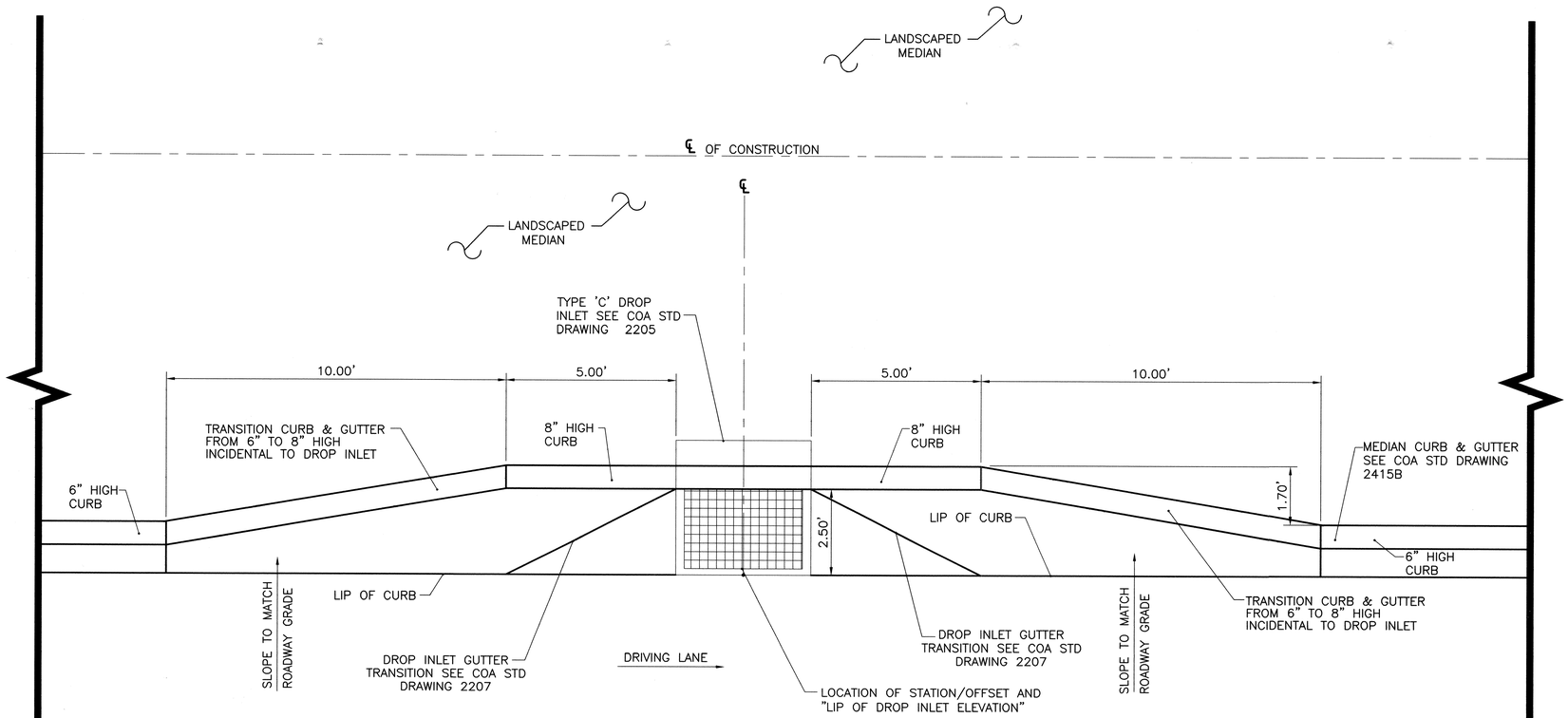
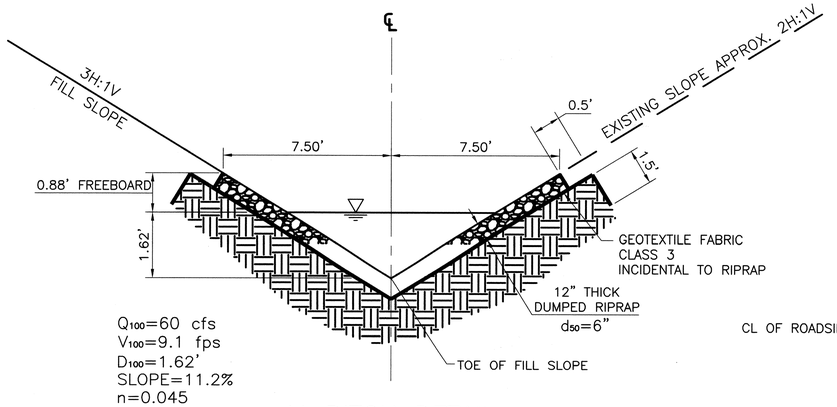


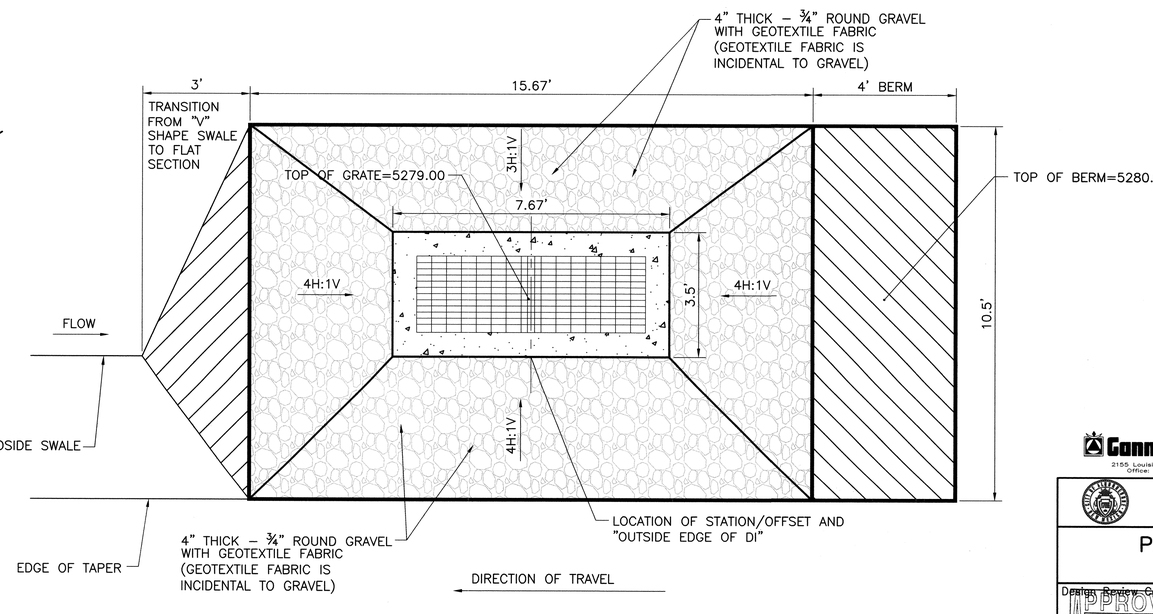
DROP INLET INSTALLATION ON MEDIAN

NTS



V-DITCH DETAIL

NTS



DOUBLE "D" DROP INLET DETAIL

NTS

Date: Feb 22, 2005 – 7:50am adoyle Layout: Sheet 7
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AS-BUILT INFORMATION
CONTRACTOR Sills Bros.
WORK STARTED BY Sun Tek DATE 1/08
INSPECTOR'S FINAL ACCEPTANCE BY DATE
VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson Co. DATE 1/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER DAVID H. WILSON NEW MEXICO 13703
02/24/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY GCC DATE 6/04
DRAWN BY ARD DATE 6/04
CHECKED BY DHW DATE 2/05

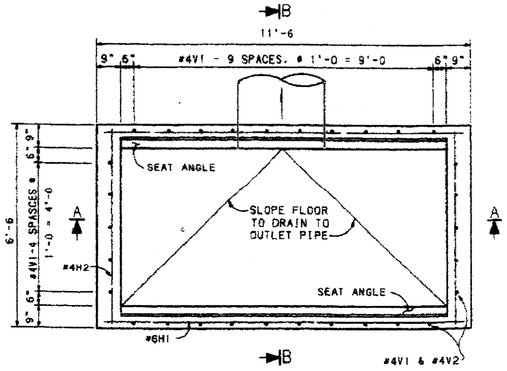
Gannett Fleming West, Inc.
2155 Louisiana NE, Suite 9000 Albuquerque, New Mexico 87110
Office: (505) 265-8468 Facsimile: (505) 881-2513

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION GROUP

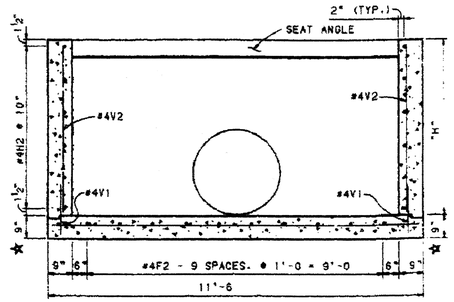
PASEO DEL NORTE EXTENSION
DRAINAGE DETAILS

Design Review Committee: APPROVED NOV 9 1 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 705002 | Zone Map C-11 | Sheet 3 Of 8



PLAN

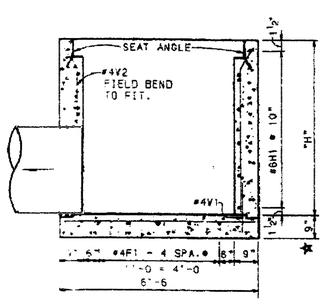


SECTION A-A

NOTE: FIELD CUT AND BEND REBAR AS REQUIRED TO CLEAR SEAT ANGLES AND PIPE OPENINGS (2" MINIMUM CLEARANCE).

"Y"	DIAMETERS AND RISES UP TO AND INCLUDING 48"	DIAMETERS AND RISES GREATER THAN 48"
	1'-3	2'-0

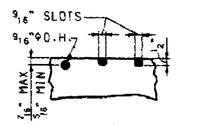
NOTE: IF R.C.P. IS USED, ADD WALL THICKNESS TO DIMENSION "Y".



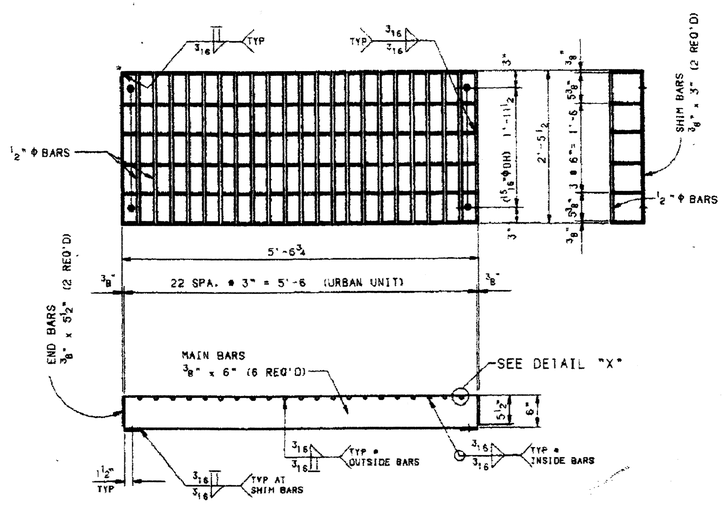
SECTION B-B

★ AVERAGE BOTTOM THICKNESS USE 8 ½" AT OUTLET AND 9 ½" AT HIGH SIDE.

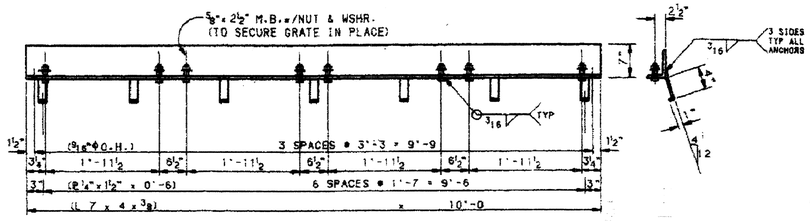
THE DIA. OR ~~USE FO~~ RISE OF PIPE +"Y" MINIMUM AND 15'-0" MAXIMUM.



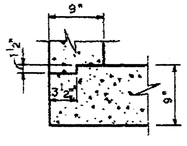
DETAIL "X"
(ALTERNATE METHODS)



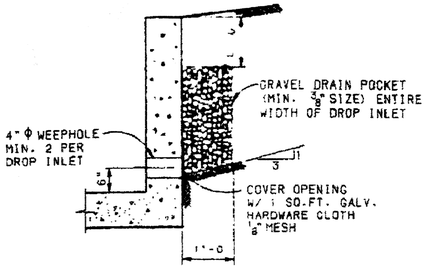
GRATE DETAILS
(4 REQUIRED)



SEAT ANGLE DETAILS
(2 REQUIRED)



CONSTRUCTION JOINT DETAIL



WEEP HOLE DETAIL

MARK	LENGTH	NO. REQD
✱ #6H1	11'-3	2+2.4"H"
✱ #4H2	6'-3	2+2.4"H"
#4V1	11'-9	30
#4V2	"H"-3"	30
#4F1	11'-3	8
#4F2	6'-3	10

REINFORCING BAR SCHEDULE

✱ NOTE: ROUND OFF NUMBER REQUIRED TO THE NEAREST EVEN NUMBER.

GENERAL NOTES

1. ALL CONCRETE SHALL BE CLASS "A". CHAMFER EXPOSED EDGES OF CONCRETE 3/4" UNLESS OTHERWISE NOTED ON THE DETAILS.
2. REINFORCING BARS SHALL CONFORM TO A.A.S.H.T.O. SPECIFICATION M-31, GRADE 60. DIMENSIONS REFER TO THE CENTERLINE OF BAR UNLESS OTHERWISE NOTED ON THE DETAILS.
3. STRUCTURAL STEEL SHALL CONFORM TO A.A.S.H.T.O. SPECIFICATION M-183 AND SHALL BE GIVEN A PROTECTIVE COATING IN CONFORMANCE WITH THE SPECIFICATIONS.
4. DROP INLETS MAY BE USED WITH R.C.P.
5. PIPES MAY BE LOCATED ON ANY WALL AND MAY BE ANY SHAPE. DIAMETER OR SPAN OF THE PIPES WILL BE DETERMINED BY THE SKEW ANGLE AND A REQUIRED MINIMUM CLEARANCE OF 9" TO THE OUTSIDE FACE OF THE WALLS.

DESIGN DATA

DESIGN ACCORDING TO A.A.S.H.T.O. SPECIFICATIONS DATED 1992.

DESIGN STRESSES:
REINFORCED CONCRETE: f_c=1200 psi, F_y=60,000 psi, n=10.
STRUCTURAL STEEL: f_s=20,000 psi, F_y=36,000 psi.

EARTH PRESSURE: 36 lbs./cu.ft. EQUIV. FLUID PRESSURE 2'-0 SURCHARGE.

LIVE LOAD ON GRATING: ONE 16,000 lbs. WHEEL PLUS 30% IMPACT, 15% OVERSTRESS.

NOTE: MEDIAN DROP INLETS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE UNIT PRICE BID PER EACH.

ESTIMATED QUANTITIES

(FOR CONTRACTOR'S INFORMATION ONLY, NOT A BID ITEM)

CLASS "A" CONCRETE	1.932+0.917"H"	CU.YDS.
REINFORCING STEEL	151.53+70.61"H"	LBS.
STRUCTURAL STEEL (URBAN)	1640	LBS.
STRUCTURAL STEEL (RURAL)	1570	LBS.

NOTE: TO OBTAIN CLASS "A" CONCRETE QUANTITY, USE VALUE TABULATED ABOVE AND DEDUCT THE VOLUME OF THE PIPE OPENINGS FROM THE QUANTITY TABULATED.

5' X 10' DROP INLET (URBAN)

NTS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

AS-BUILT INFORMATION
CONTRACTOR Sells Bros. STAKED BY Survtek DATE 1/08
INSPECTOR'S FIELD VERIFICATION BY DATE
INSPECTOR'S FIELD VERIFICATION BY Wilson+Co. DATE 1/08
DRAWING CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11"
LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA. 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA. IS FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR. THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER - 1ST CLASS) (NAVD 88)

ENGINEER'S SEAL
DAVID H. WILSON NEW MEXICO 13703 REGISTERED PROFESSIONAL ENGINEER
02/24/05
STANDARD DRAWING REVIEWED FOR PROJECT APPLICABILITY ONLY

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	GCC 6/04
		DESIGNED BY	DATE 6/04
		DRAWN BY	ARD DATE 2/05
		CHECKED BY	DHW DATE

Gannett Fleming West, Inc.
2155 Louisiana NE, Suite 9000 Albuquerque, New Mexico 87110
Office: (505) 265-8468 Facsimile: (505) 881-2513

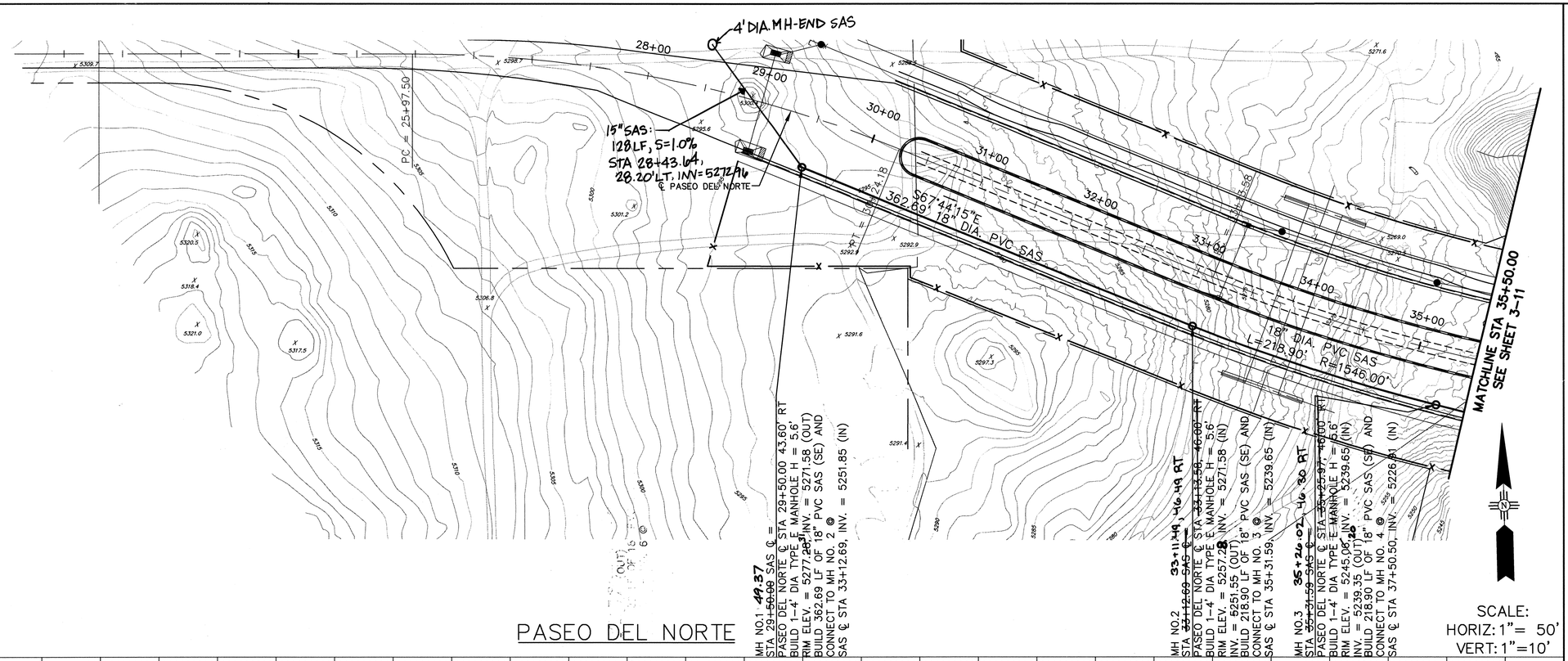
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION GROUP

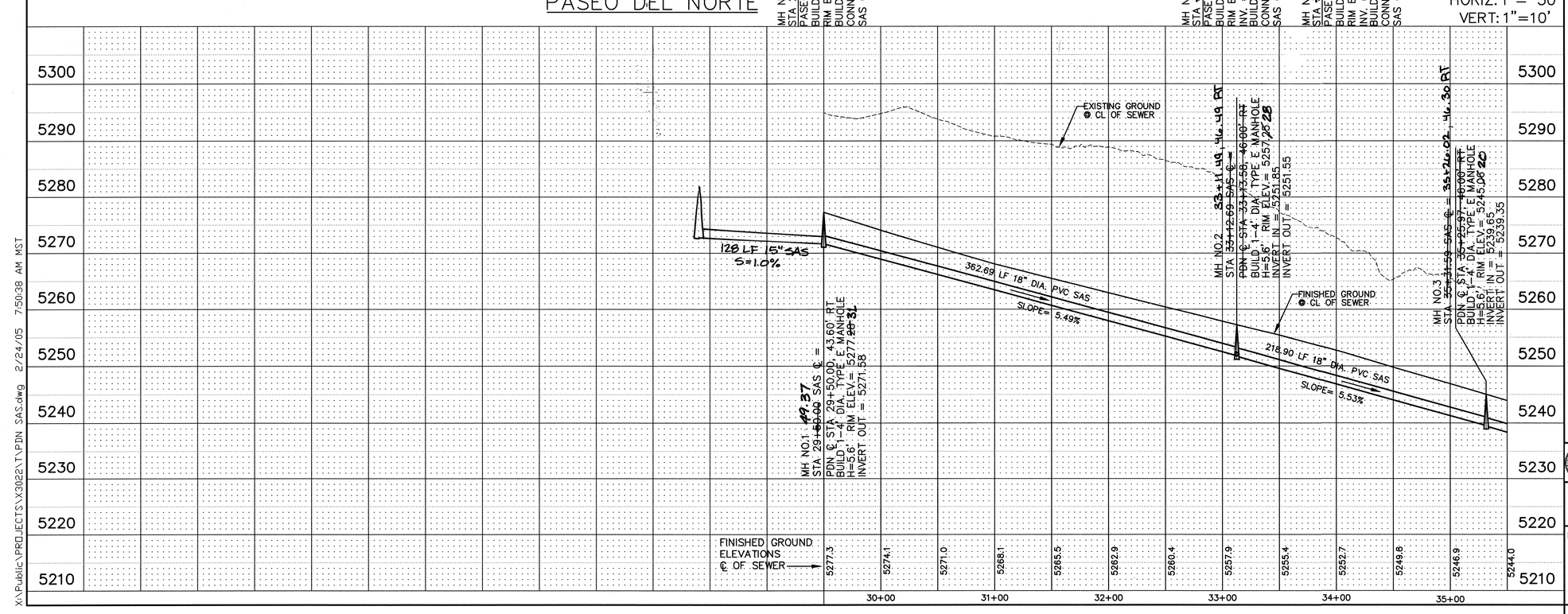
PASEO DEL NORTE EXTENSION
DRAINAGE DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No.	Zone Map	Sheet	Of
705002	C-11	3-9	

Date: Feb 24, 2005 - 9:03am gplorke Layout: Sheet 9
Drawing Name: K:\PROJECTS\43313\Plans\43313E02.dwg (For Internal Use Only)





NOTE:
NORTH SIDE OF ROADWAY (STD C&G, MEDIAN C&G, AND ASPHALT CONCRETE PAVEMENT) TO BE CONSTRUCTED IN THE FUTURE. CONTRACTOR SHALL BUILD SUBGRADE UP TO FINISHED GRADE, I.E. TOP OF FUTURE PAVEMENT SECTION. PROPOSED STORM DRAIN (INLETS, PIPE AND MANHOLES), RETAINING WALLS, AND SAS TO BE CONSTRUCTED AS PER THEIR RESPECTIVE PLANS.

NOTE:
STATIONING AND GROUND ELEVATIONS FOR SEWER SHOWN IN PROFILE ARE TAKEN AT CENTERLINE OF SEWER. REFER TO STATION EQUATION GIVEN AT EACH MANHOLE FOR RELATION TO CENTERLINE OF PASEO DEL NORTE.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED 'ACS 1-C11 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION
CONTRACTOR Sauls Bros. DATE 1/08
WORK STAKED BY Surytek DATE
INSPECTOR'S ACCEPTANCE BY DATE
AS-BUILTS VERIFICATION BY DATE
COMPLETED BY Wilson Co. DATE 1/08
RECORDED BY DATE
NO.

ENGINEER'S SEAL
ROBERT J. PAULETTE NEW MEXICO 12763 REGISTERED PROFESSIONAL ENGINEER
2-24-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY RJP DATE FEB 2005
DRAWN BY STAFF DATE FEB 2005
CHECKED BY SGG DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
SANITARY SEWER PLAN & PROFILE
STA 29+50.00 TO STA 35+50.00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE	APPROVED NOV 21 CITY ENGINEER		11/04/04	

City Project No. 705002 | Zone Map No. C-11 | Sheet 3 Of 10

WILSON & COMPANY

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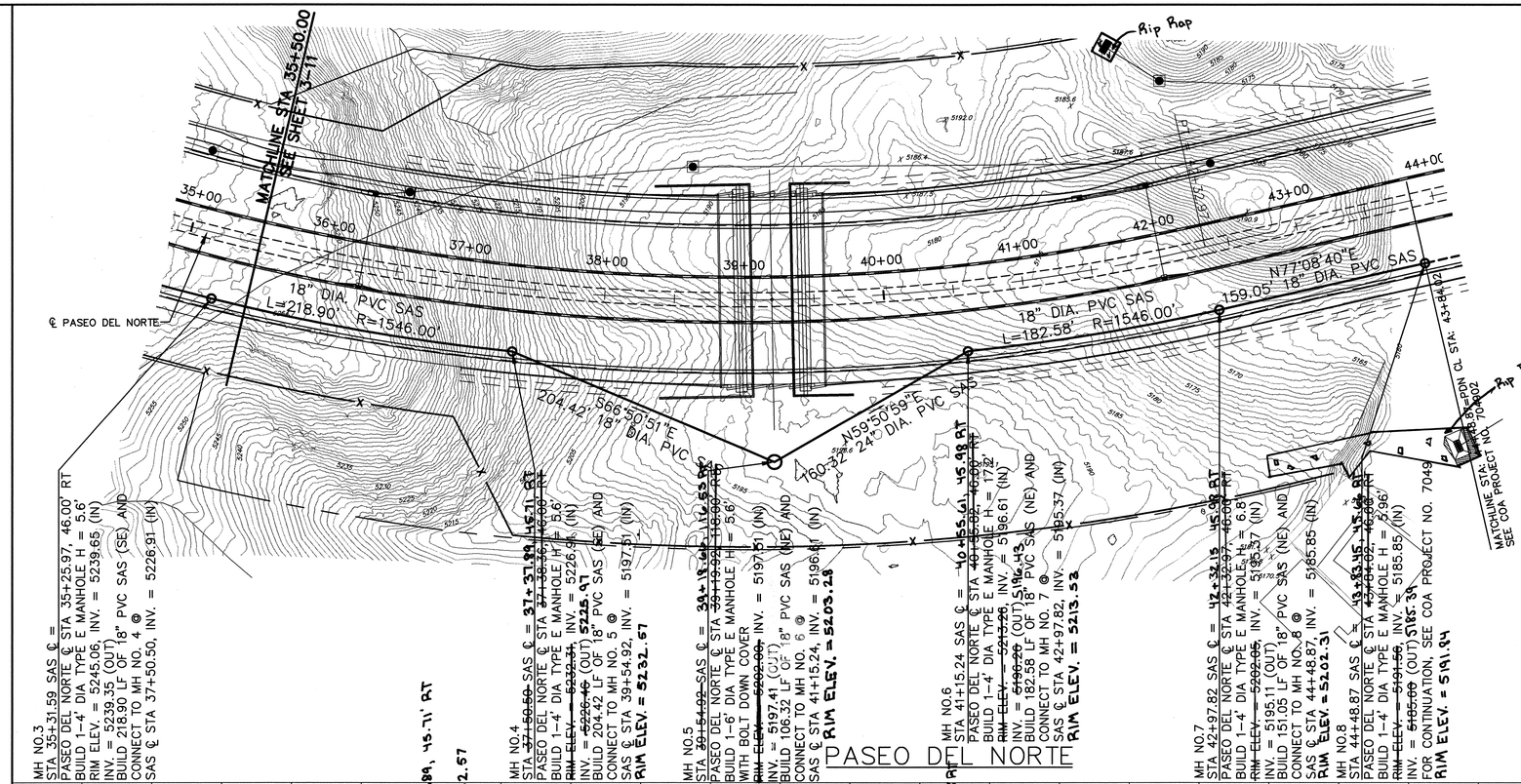

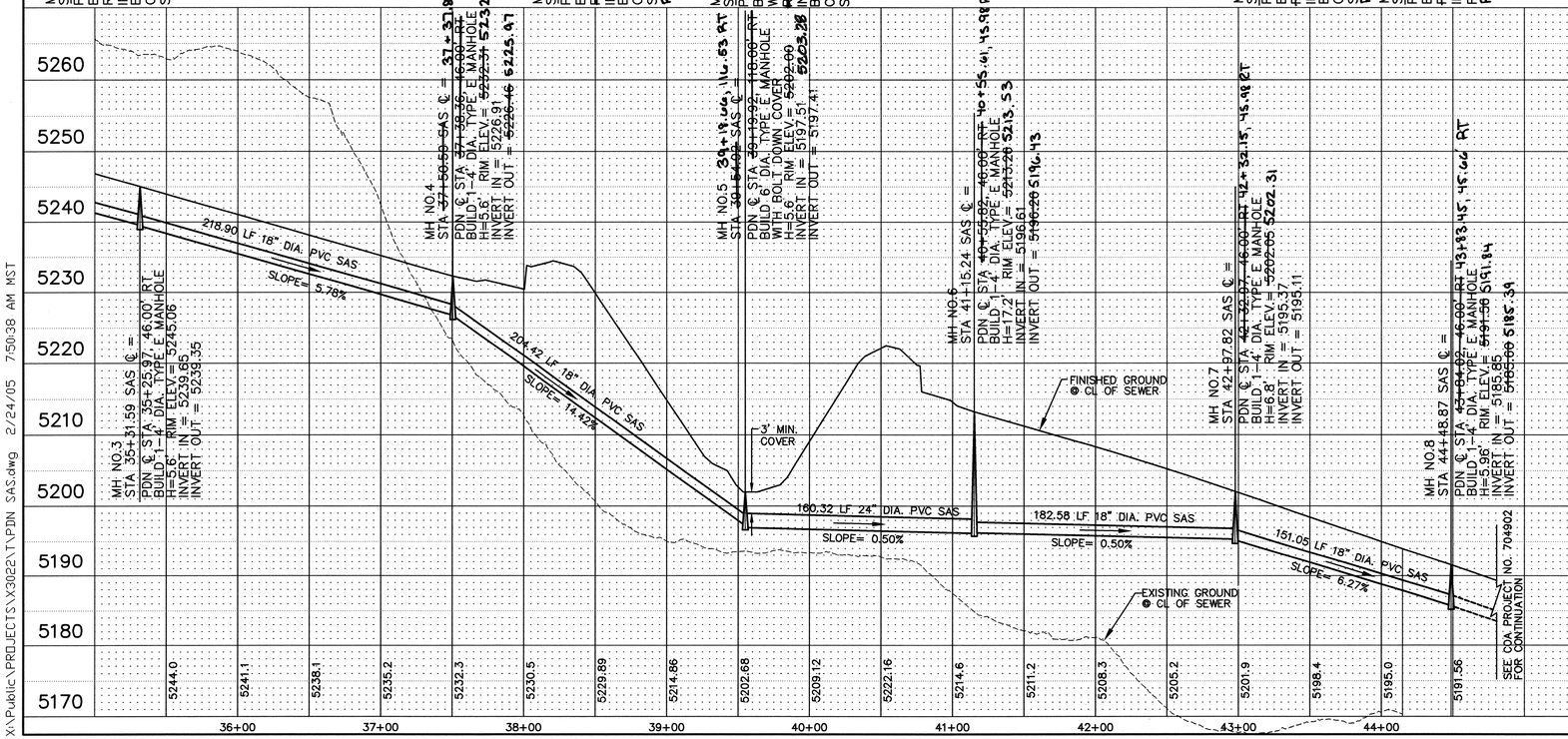

NOTE:
NORTH SIDE OF ROADWAY (STD C&G, MEDIAN C&G, AND ASPHALT CONCRETE PAVEMENT) TO BE CONSTRUCTED IN THE FUTURE. CONTRACTOR SHALL BUILD SUBGRADE UP TO FINISHED GRADE, I.E. TOP OF FUTURE PAVEMENT SECTION. PROPOSED STORM DRAIN (INLETS, PIPE AND MANHOLES), RETAINING WALLS, AND SAS TO BE CONSTRUCTED AS PER THEIR RESPECTIVE PLANS.

NOTE:
STATIONING AND GROUND ELEVATIONS FOR SEWER SHOWN IN PROFILE ARE TAKEN AT CENTERLINE OF SEWER. REFER TO STATION EQUATION GIVEN AT EACH MANHOLE FOR RELATION TO CENTERLINE OF PDN ROAD.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

THE STA. IS A 3" ALUMINUM CAP STAMPED "ACS 1-C11" 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA. FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION

CONTRACTOR Sauls Bros DATE 1/08
SURVEYED BY Surv Tek DATE
INSPECTOR'S ACCEPTANCE MADE BY DATE
FIELD VERIFICATION BY DATE
DRAWN/REVISED BY Wilson+Co. DATE 1/08
COMPARED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
ROBERT J. PAULETTE NEW MEXICO (12783) REGISTERED PROFESSIONAL ENGINEER
12/05

NO.	DATE	REMARKS
		BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY RJP DATE FEB 2005
DRAWN BY STAFF DATE FEB 2005
CHECKED BY SGG DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
SANITARY SEWER PLAN & PROFILE
STA 35+50.00 TO EOP

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. 11/04/04

City Project No. 705002
Zone Map No. C-11
Sheet 3 Of 11

WILSON & COMPANY

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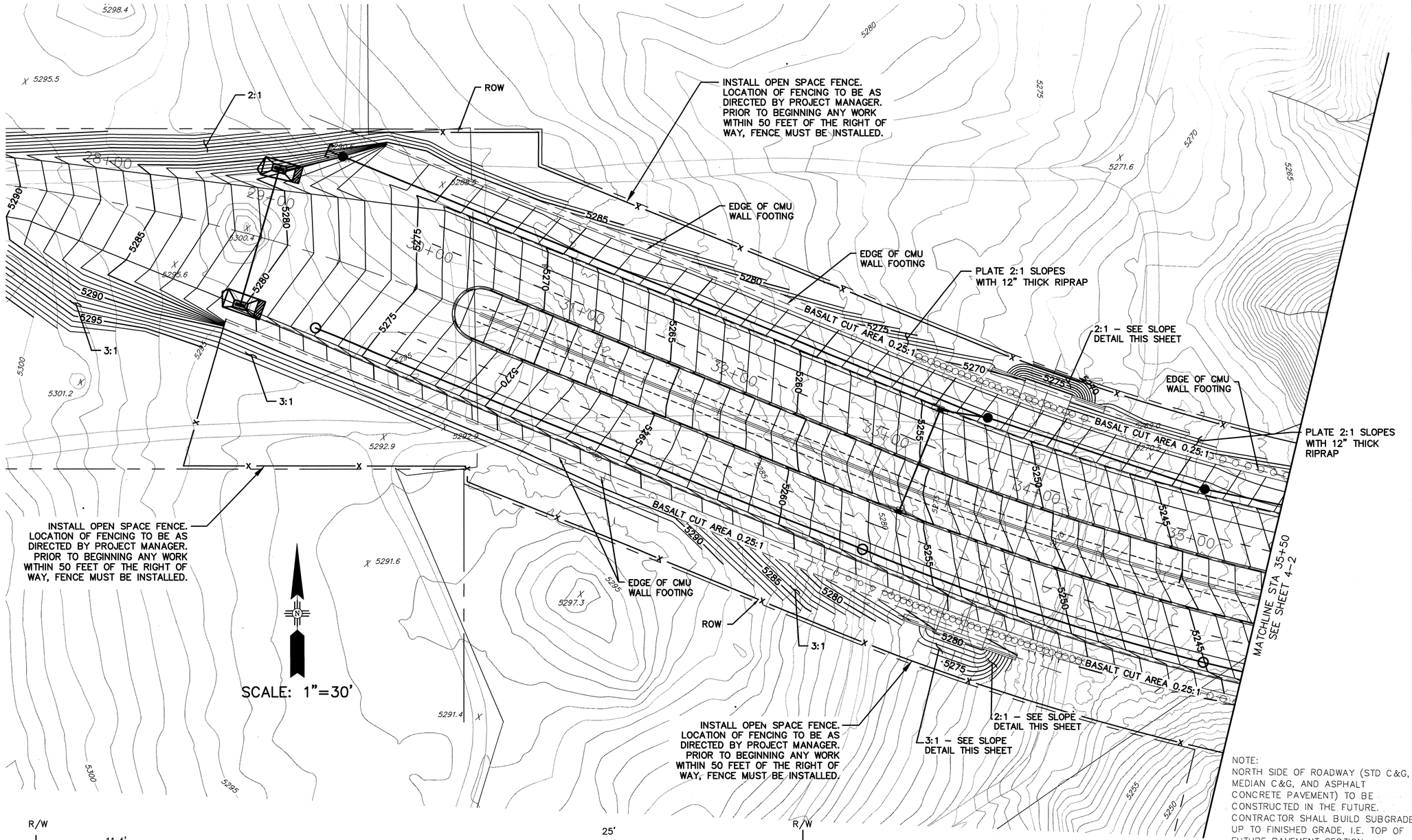

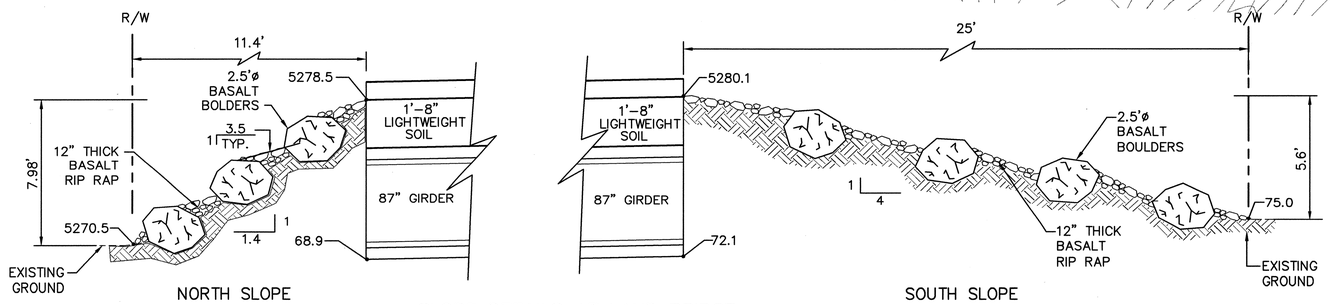

SLOPE DETAILS AT LAND BRIDGE
SCALE: NTS

NOTE:
NORTH SIDE OF ROADWAY (STD C&G, MEDIAN C&G, AND ASPHALT CONCRETE PAVEMENT) TO BE CONSTRUCTED IN THE FUTURE. CONTRACTOR SHALL BUILD SUBGRADE UP TO FINISHED GRADE, I.E. TOP OF FUTURE PAVEMENT SECTION. PROPOSED STORM DRAIN (INLETS, PIPE AND MANHOLES), RETAINING WALLS, AND SAS TO BE CONSTRUCTED AS PER THEIR RESPECTIVE PLANS.

NOTES:
1. PLATE SLOPES STEEPER THAN 3:1 WITH 12" THICK BASALT RIPRAP AS DIRECTED BY PROJECT ENGINEER.

2. OPEN SPACE FENCE MUST BE INSTALLED PRIOR TO BEGINNING ANY WORK WITHIN 50 FEET OF THE RIGHT OF WAY. LOCATION OF FENCING TO BE AS DIRECTED BY PROJECT MANAGER.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11" 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA. IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD. TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION
CONTRACTOR: Sails Bros. DATE 1/08
WORK STAKED BY: SURVTEK DATE
WORK ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY: Wilson+Co DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
NEW MEXICO 12970 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY SGG DATE FEB 2005
DRAWN BY ELO/RP DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY GRADING PLAN

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 4-1 Of

WILSON & COMPANY

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NOTE:
NORTH SIDE OF ROADWAY (STD C&G, MEDIAN C&G, AND ASPHALT CONCRETE PAVEMENT) TO BE CONSTRUCTED IN THE FUTURE. CONTRACTOR SHALL BUILD SUBGRADE UP TO FINISHED GRADE, I.E. TOP OF FUTURE PAVEMENT SECTION. PROPOSED STORM DRAIN (INLETS, PIPE AND MANHOLES), RETAINING WALLS, AND SAS TO BE CONSTRUCTED AS PER THEIR RESPECTIVE PLANS.

INSTALL OPEN SPACE FENCE. LOCATION OF FENCING TO BE AS DIRECTED BY PROJECT MANAGER. PRIOR TO BEGINNING ANY WORK WITHIN 50 FEET OF THE RIGHT OF WAY, FENCE MUST BE INSTALLED.

SCALE: 1"=30'

MATCHLINE STA 35+50
SEE SHEET 4-1

MATCHLINE STA 43+84.02
SEE COA PROJECT 704902

V-DITCH WITH 12" THICK RIPRAP

PLATE 2:1 SLOPES WITH 12" THICK RIPRAP

FG 5223.50
TW 5223.74

FG 5202.00
TW 5213.87

FG 5203.00
TW 5220.11

FG 5203.00
TW 5217.36

FG 5202.00
TW 5211.01

FG 5215.00
TW 5215.23

FG 5227.00
TW 5227.17

FG 5206.60
TW 5223.56

FG 5205.00
TW 5219.11

FG 5205.00
TW 5216.54

FG 5206.50
TW 5221.06

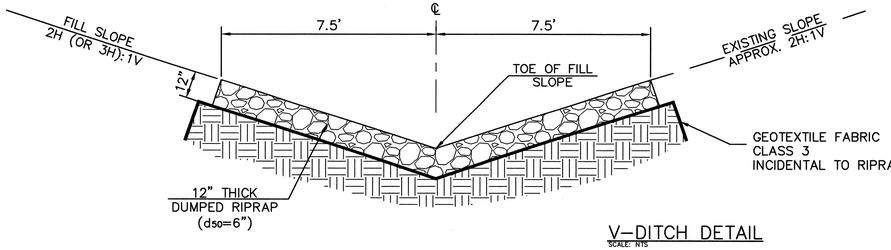
FG 5218.50
TW 5218.93

2.5:1 PLATED W/ RIP RAP

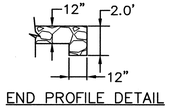
RIP RAP

V-DITCH WITH 12" THICK RIPRAP

INSTALL OPEN SPACE FENCE. LOCATION OF FENCING TO BE AS DIRECTED BY PROJECT MANAGER. PRIOR TO BEGINNING ANY WORK WITHIN 50 FEET OF THE RIGHT OF WAY, FENCE MUST BE INSTALLED.



V-DITCH DETAIL
SCALE: NTS



END PROFILE DETAIL

NOTES:
1. PLATE SLOPES STEEPER THAN 3:1 WITH 12" THICK BASALT RIPRAP AS DIRECTED BY PROJECT ENGINEER.

2. OPEN SPACE FENCE MUST BE INSTALLED PRIOR TO BEGINNING ANY WORK WITHIN 50 FEET OF THE RIGHT OF WAY. LOCATION OF FENCING TO BE AS DIRECTED BY PROJECT MANAGER.

AS-BUILT INFORMATION
CONTRACTOR Solis Bros. DATE 1/08
WORK STAKED BY Surv-TEL DATE
WORK ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
Kenneth N. Wilson
6020
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	SGG	DATE	FEB 2005
DRAWN BY	ELO/RP	DATE	FEB 2005
CHECKED BY	SFP	DATE	FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY GRADING PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE	APPROVED NOV 21 2005 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	4-2	

WILSON & COMPANY

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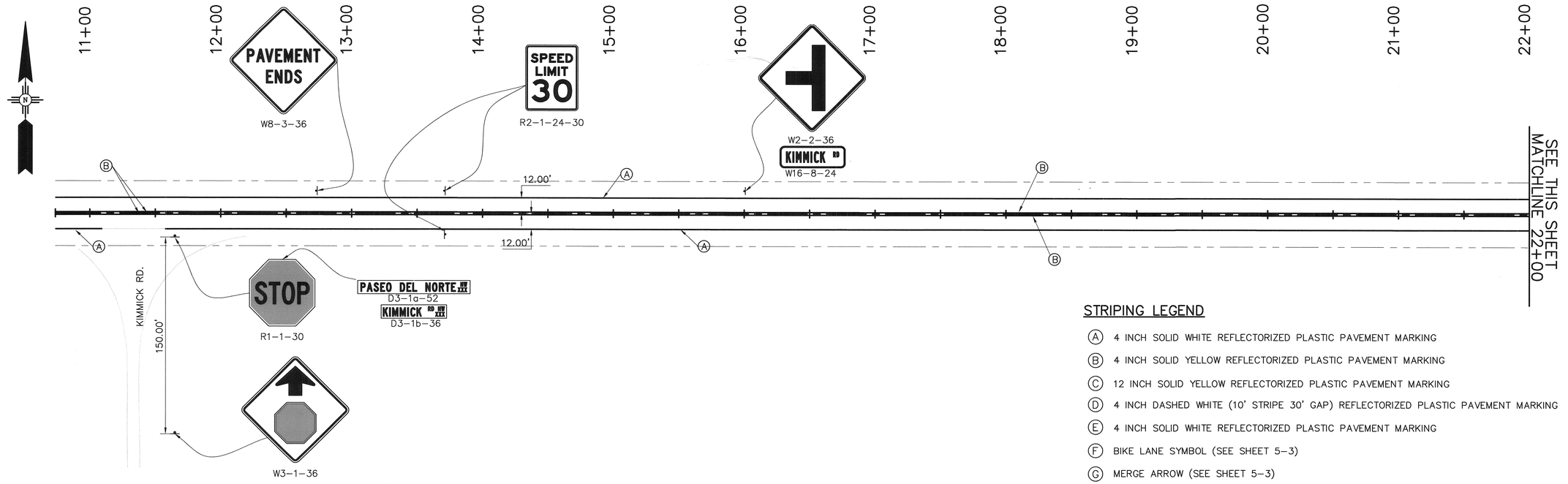
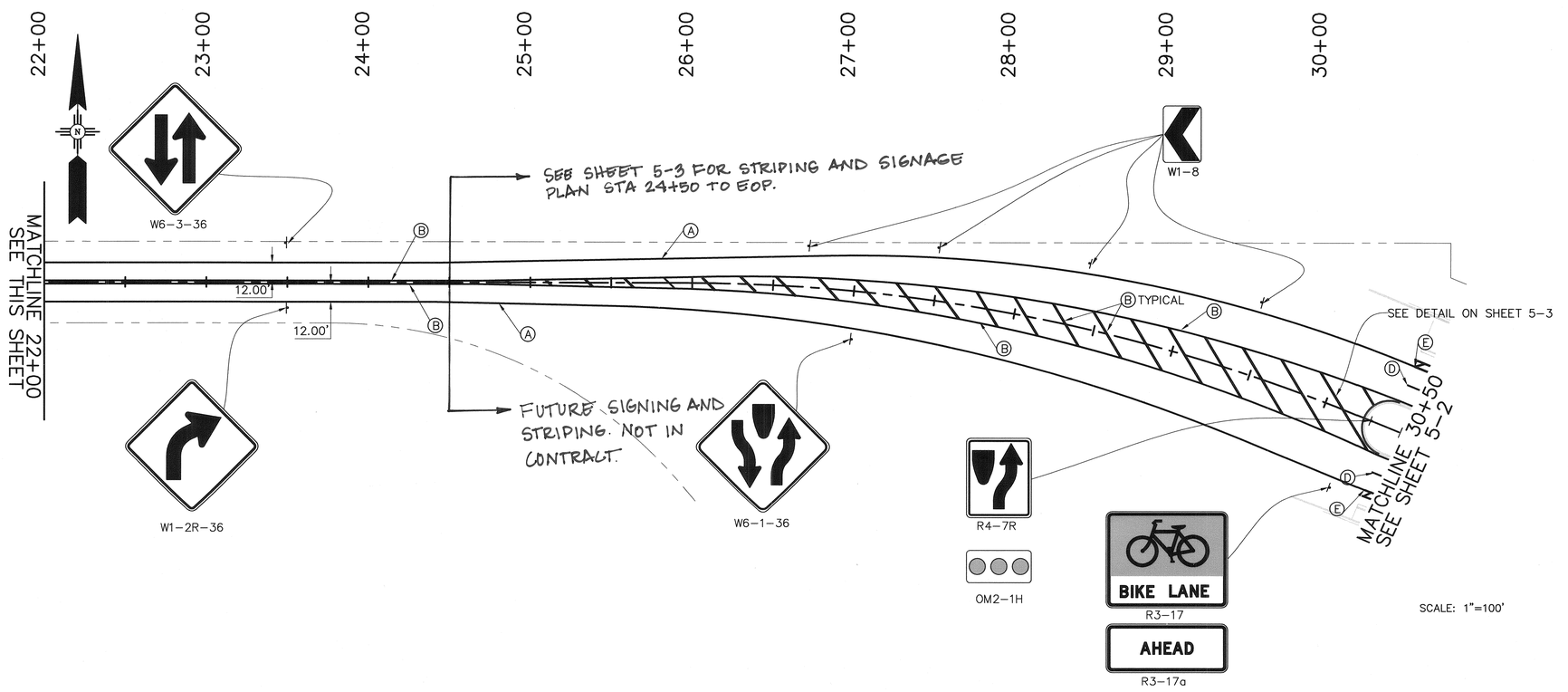


STRIPING LEGEND

- (A) 4 INCH SOLID WHITE REFLECTORIZED PLASTIC PAVEMENT MARKING
- (B) 4 INCH SOLID YELLOW REFLECTORIZED PLASTIC PAVEMENT MARKING
- (C) 12 INCH SOLID YELLOW REFLECTORIZED PLASTIC PAVEMENT MARKING
- (D) 4 INCH DASHED WHITE (10' STRIPE 30' GAP) REFLECTORIZED PLASTIC PAVEMENT MARKING
- (E) 4 INCH SOLID WHITE REFLECTORIZED PLASTIC PAVEMENT MARKING
- (F) BIKE LANE SYMBOL (SEE SHEET 5-3)
- (G) MERGE ARROW (SEE SHEET 5-3)



SCALE: 1"=100'

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED 'ACS 1-C11' LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA. 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA. IS FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR. THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER - 1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION

CONTRACTOR: Sais bros. DATE 1/08
SURVEY STAKED BY: SunTek DATE
INSPECTOR'S FIELD OBSERVATIONS BY: DATE
FIELD VERIFICATION BY: Wilson + Co. DATE 1/08
CORRECTED BY: MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

ENGINEER'S SEAL
DANIEL H. WILSON 13703 REGISTERED PROFESSIONAL ENGINEER
05/18/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY	GCC
		DRAWN BY	ARD
		CHECKED BY	DHW

	DATE
	6/04
	6/04
	2/05

Gannett Fleming West, Inc.
2155 Louisiana NE, Suite 9000 Albuquerque, New Mexico 87110
Office: (505) 265-8468 Facsimile: (505) 881-2513

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION GROUP

PASEO DEL NORTE EXTENSION
STRIPING & SIGNAGE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No.	Zone Map	Sheet	Of
705002	C-11	5-1	

Date: Mar 17, 2005 - 3:34pm adoyle Layout: Sheet1
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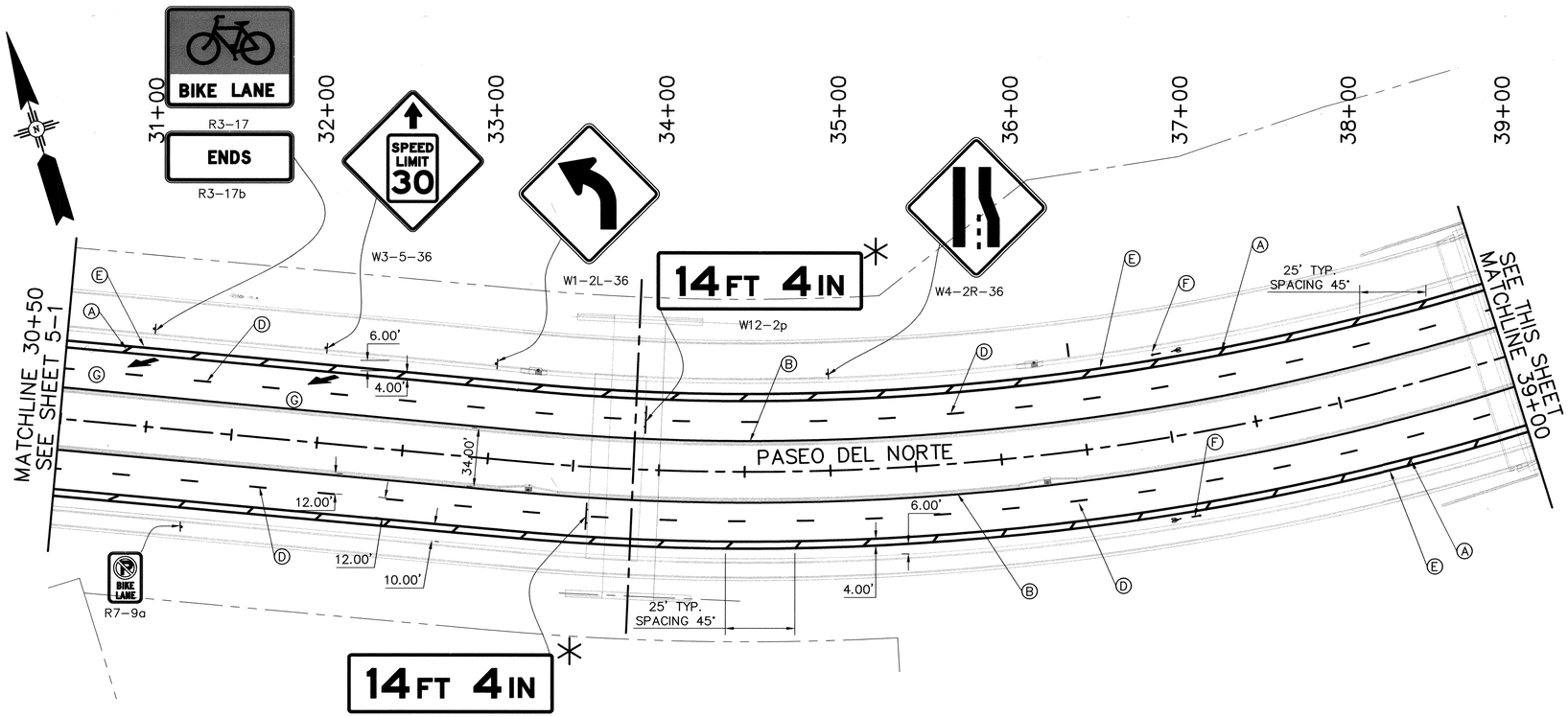
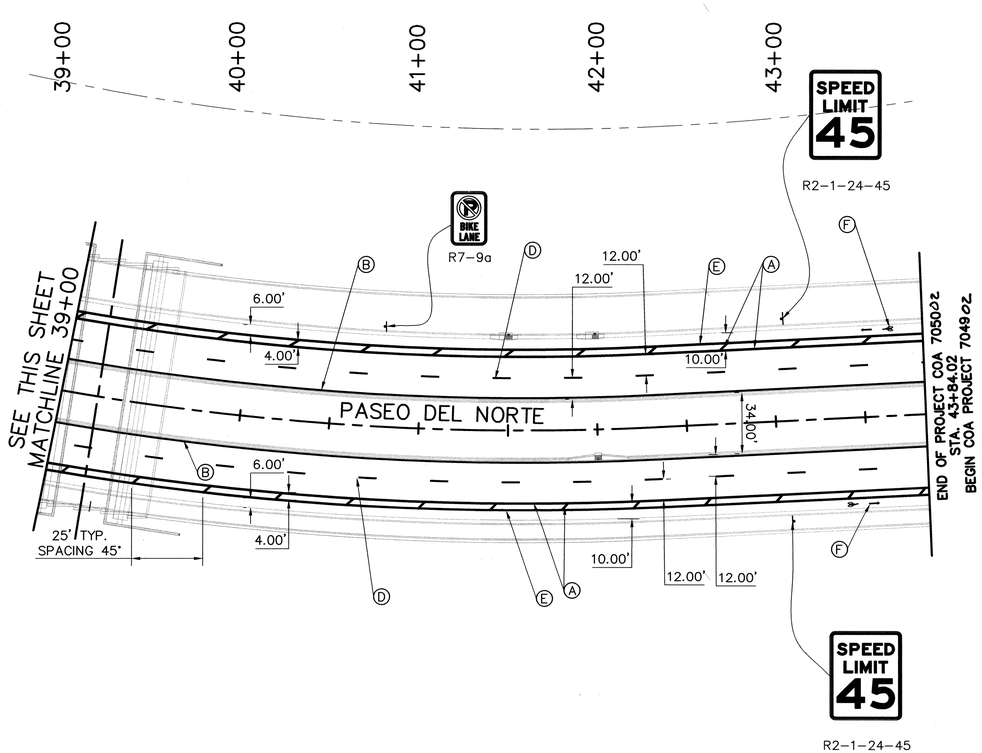




✳ SIGN LEGEND TO MATCH ACTUAL CONSTRUCTED CONDITION
SEE BRIDGE PLANS FOR MOUNTING DETAILS

STRIPING LEGEND

- (A) 4 INCH SOLID WHITE REFLECTORIZED PLASTIC PAVEMENT MARKING
- (B) 4 INCH SOLID YELLOW REFLECTORIZED PLASTIC PAVEMENT MARKING
- (C) 12 INCH SOLID YELLOW REFLECTORIZED PLASTIC PAVEMENT MARKING
- (D) 4 INCH DASHED WHITE (10' STRIPE 30' GAP) REFLECTORIZED PLASTIC PAVEMENT MARKING
- (E) 4 INCH SOLID WHITE REFLECTORIZED PLASTIC PAVEMENT MARKING
- (F) BIKE LANE SYMBOL (SEE SHEET 5-3)
- (G) MERGE ARROW (SEE SHEET 5-3)

NOTE: THIS SHEET SHOWS FUTURE SIGNING AND STRIPING. NOT IN CONTRACT.

SCALE: 1"=100'

Gannett Fleming West, Inc.
2155 Louisiana NE, Suite 9000 Albuquerque, New Mexico 87110
Office: (505) 265-8468 Facsimile: (505) 881-2513

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

NO.	DESCRIPTION
	THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA. IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA. FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR. THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER - 1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION

CONTRACTOR	Salis Bros. DATE 1/08
WORK STAKED BY	Jerry Pak DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
AS-BUILTS CORRECTED BY	Wilson & Co. DATE 1/08
RECORDED BY	DATE

MICRO-FILM INFORMATION

NO.	DESCRIPTION

ENGINEER'S SEAL
DAVID H. WILSON NEW MEXICO 13703 REGISTERED PROFESSIONAL ENGINEER
02/24/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		GCC	DATE 6/04
DRAWN BY		ARD	DATE 6/04
CHECKED BY		DHW	DATE 2/05

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION GROUP

PASEO DEL NORTE EXTENSION
STRIPING & SIGNAL PLAN

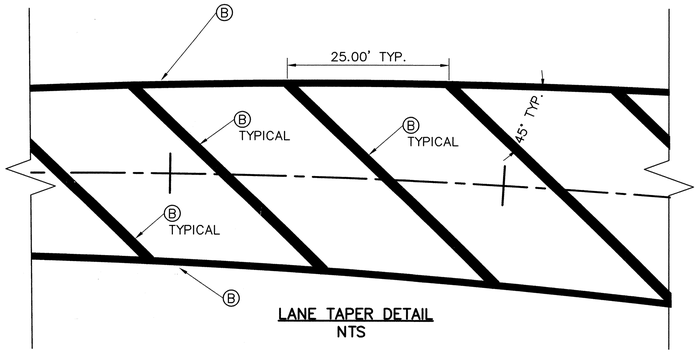
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE	APPROVED NOV 21 2005 CITY ENGINEER			

City Project No.	Zone Map	Sheet	Of
705002	C-11	5-2	

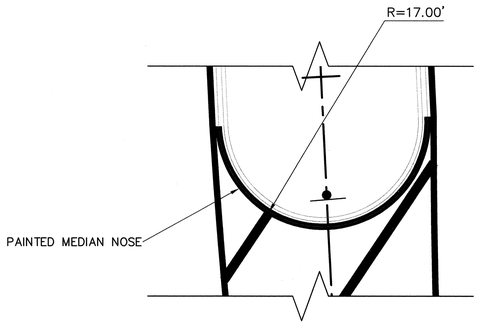
Date: Feb 23, 2005 - 3:53pm adoyle Layout: Sheet2
Drawing Name: K:\PROJECTS\43313\Plans\43313R01.dwg (For Internal Use Only)

STRIPING LEGEND

Ⓑ 4 INCH SOLID YELLOW REFLECTORIZED PLASTIC PAVEMENT MARKING

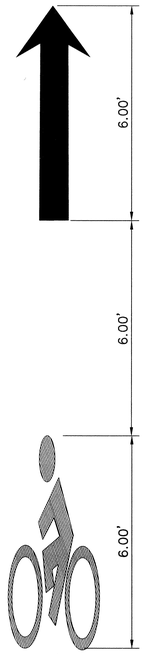


LANE TAPER DETAIL
NTS

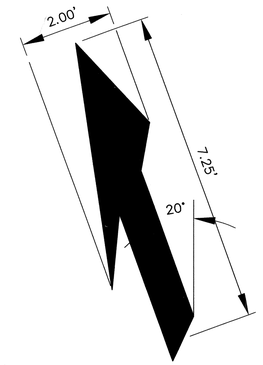


PAINTED MEDIAN NOSE DETAIL*
NTS

*–PAINTED MEDIAN NOSE SHALL BE CONSIDERED INCIDENTAL TO 4" SOLID YELLOW STRIPE.



Ⓕ BIKE LANE SYMBOL DETAIL
NTS



Ⓖ MERGE ARROW
NTS

SURVEY INFORMATION FIELD NOTES			BENCH MARKS	AS-BUILT INFORMATION
NO.	BY	DATE	THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED 'ACS 1-C11 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA. IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA. FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR. THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER - 1ST CLASS) (NAVD 88)	CONTRACTOR Sais Bros. DATE 1/08 STAKED BY SurvTek DATE INSPECTOR'S NOTICE BY DATE FIELD VERIFICATION BY DATE DRAWING CORRECTED BY Wilson + Co. DATE 1/08 MICRO-FILM INFORMATION RECORDED BY DATE

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER DAVID H. WILSON NEW MEXICO 13703

02/24/05

NO.	DATE	REMARKS	BY
REVISIONS			

DESIGN		
DESIGNED BY	GCC	DATE 6/04
DRAWN BY	ARD	DATE 6/04
CHECKED BY	DHW	DATE 2/05

Gannett Fleming West, Inc.
2155 Louisiana NE, Suite 9000 Albuquerque, New Mexico 87110
Office: (505) 265-8468 Facsimile: (505) 881-2513

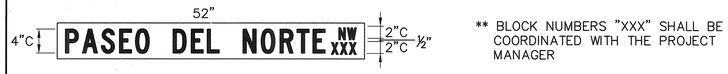
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION GROUP

PASEO DEL NORTE EXTENSION
STRIPING DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map	Sheet	Of
705002	C-11	5-3	

Date: Feb 22, 2005 - 8:00am adoyle Layout: Sheet 3
Drawing Name: K:\PROJECTS\4331\Plans\4331301.dwg (For Internal Use Only)



** BLOCK NUMBERS "XXX" SHALL BE COORDINATED WITH THE PROJECT MANAGER

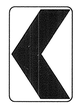
** D3–1a–52	** D3–1b–36	OM2–1H	R1–1–30	R2–1–24–30	R2–1–24–45	R3–17	R3–17a	R3–17b	R4–7R	R7–9a
W/G	W/G	Y/W	W/R	B/W	B/W	B/W	B/W	B/W	B/W	12"X18"
6"X52"	6"X36"	6"X12"	30"X30"	24"X30"	24"X30"	30"X24"	30"X12"	30"X12"	24"X30"	

W1–2L–36
B/Y
36"X36"

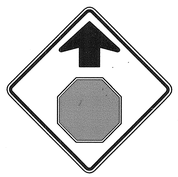
W1–2R–36
B/Y
36" X 36"

W2–2–36
B/Y
36"X36"

W3–5–36
B/W/O
36"X36



W1–8
B/Y
18"X24"



W3–1–36
R–B/W
36"X36"

W4–2R–36
B/Y
36"X36"

W6–1–36
B/Y
36"X36"

W6–3–36
B/Y
36"X36"

W8–3–36
B/Y
36"X36"

W16–8–24
B/Y
8"X24"

SIGN CODE	NO. OF SIGNS	TOTAL SIGN AREA SQ. FT.	POST LENGTHS (FEET)				MOUNTING REQUIREMENTS								BASE-POST (FEET)	
							FLANGED CHANNEL			DRIVEDOWN POSTS						
			LEFT	CTR.	RIGHT	TOTAL	2.50 LB/FT.	3.00 LB/FT.	4.00 LB/FT.	1 1/2" x 1 1/2"	2-0" x 2-0"	2 1/4" x 2 1/4"	2 3/16" x 2 3/16"	2 1/2" x 2 1/2"	NO.	TOTAL LENGTH
D3-1a-52	1	2.17		**		0.00					**				0	0
D3-1b-36	1	1.50		**		0.00					**				0	0
F OM2-1H	1	0.50		**		0.00					**				0	0
R1-1-30	1	6.25		8		8.00					X				1	3
R2-1-24-30	2	10.00		8		16.00					X				2	6
R2-1-24-45	2	10.00		8		16.00					X				2	6
F R3-17	2	10.00		8		16.00					X				2	6
F R3-17a	1	2.50		**		0.00					**				0	0
F R3-17b	1	2.50		**		0.00					**				0	0
F R4-7R	1	5.00		8		8.00					X				1	3
F R7-9a	2	3.00		8		16.00					X				2	6
SP-200-30	1	2.50		**		0.00					**				0	0
W1-2L-36	1	9.00		8		8.00					X				1	3
W1-2R-36	1	9.00		8		8.00					X				1	3
W1-8	4	12.00		8		32.00					X				4	12
W2-2-36	1	9.00		8		8.00					X				1	3
W3-1-36	1	9.00		8		8.00					X				1	3
W3-5-36	1	9.00		8		8.00					X				1	3
F W4-2R-36	1	9.00		8		8.00					X				1	3
F W6-1-36	1	9.00		8		8.00					X				1	3
W6-3-36	1	9.00		8		8.00					X				1	3
W8-3-36	1	9.00		8		8.00					X				1	3
W12-2P	2	28.00		*		0.00					*				0	0
W16-8-24	1	1.33		**		0.00					**				0	0
TOTAL		178.25				184.00										69
USE		**180.00**				**190.00**										**69.00**

* SIGN TO BE MOUNTED ON BRIDGE STRUCTURE

** SIGN TO BE MOUNTED ON COMMON POST W/MAJOR SIGN

F → FUTURE SIGN. NOT IN THIS CONTRACT.

14 FT 4 IN

(SEE NOTE #2 THIS SHEET)

W12–2p
B/Y
84"X24"

NOTES:

1. ALL SIGNS SHALL BE MOUNTED ON APPROVED BREAKAWAY POSTS.
2. CONTRACTOR TO FIELD VERIFY VERTICAL CLEARANCE PRIOR TO SIGN FACE FABRICATION (W12–2P)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1–C11" 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA. IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA. FROM I–40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO NORTENA, TURN W.–N.W. & GO 0.1 MI. TO RIDGEWAY DR. THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER – 1ST CLASS) (NAVD 88)

AS–BUILT INFORMATION

CONTRACTOR Sais Bros. DATE 1/08
WORK INSPECTED BY Sunytek DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
CORRECTED BY Wilson & Co. DATE 1/08
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

DAVID H. WILSON NEW MEXICO 13703 REGISTERED PROFESSIONAL ENGINEER
03/18/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
	DATE		6/04
DESIGNED BY		GCC	
	DATE		6/04
DRAWN BY		ARD	
	DATE		2/05
CHECKED BY		DHW	

Connett Fleming West, Inc.
2155 Louisiana NE, Suite 9000 Albuquerque, New Mexico 87110
Office: (505) 265–8468 Facsimile: (505) 881–2513

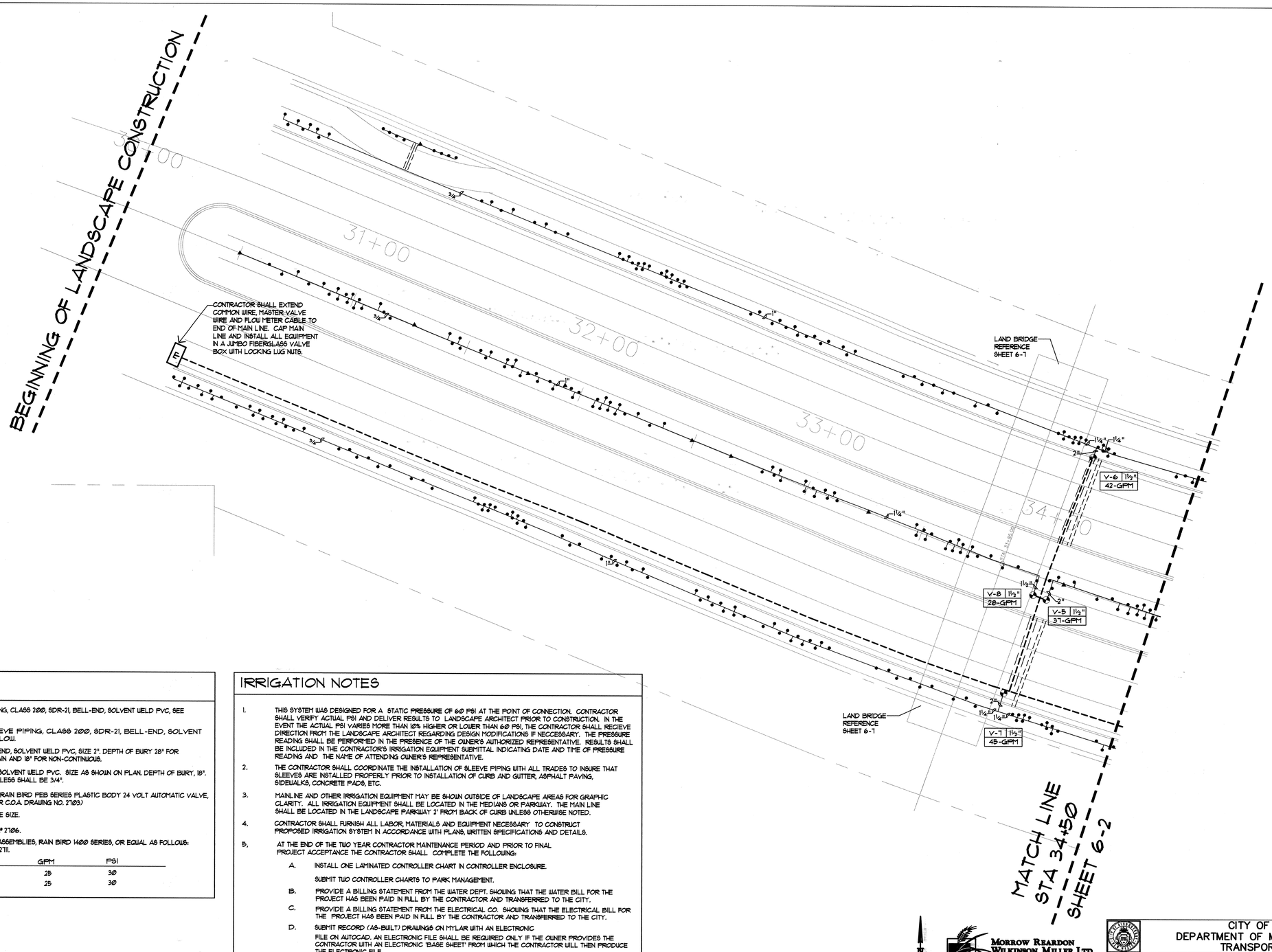
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION GROUP

PASEO DEL NORTE EXTENSION
SIGNING DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No.	Zone Map	Sheet	Of
705002	C–11	5–4	

Date: Mar 18, 2005 – 8.57am gclarke Layout: Sheet 4
Drawing Name: K:\PROJECTS\43313\Plans\43313R01.dwg (For Internal Use Only)



IRRIGATION LEGEND

- MAIN LINE AND LATERAL SLEEVE PIPING, CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC, SEE IRRIGATION NOTE NO. 2.
- 24-VOLT IRRIGATION WIRE SLEEVE PIPING, CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC, SEE NOTE NO. 2 BELOW.
- IRRIGATION MAIN LINE, SCH. 40, BELL END, SOLVENT WELD PVC, SIZE 2". DEPTH OF BURY 28" FOR CONTINUOUS PRESSURE IRRIGATION MAIN AND 18" FOR NON-CONTINUOUS.
- LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC. SIZE AS SHOWN ON PLAN. DEPTH OF BURY, 18". LATERAL PIPE CARRYING 5 GPM OR LESS SHALL BE 3/4".
- REMOTE CONTROL VALVE ASSEMBLY, RAIN BIRD FEB SERIES PLASTIC BODY 24 VOLT AUTOMATIC VALVE, SIZE AS SHOWN ON PLAN. (INSTALL PER C.O.A. DRAWING NO. 2703)
- SOLVENT WELD CAP, SCH. 40 PVC, LINE SIZE.
- POINT OF CONNECTION, PER COA DWG.# 2706.

PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES, OR EQUAL AS FOLLOWS: INSTALL PER C.O.A. DRAWING NUMBER 2711.

MODEL NO.	GPM	PSI
• 1401	25	30
▲ 1401 (3 PER TREE, SEE DETAIL A/6-3)	25	30

IRRIGATION NOTES

1. THIS SYSTEM WAS DESIGNED FOR A STATIC PRESSURE OF 60 PSI AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THE ACTUAL PSI VARIES MORE THAN 10% HIGHER OR LOWER THAN 60 PSI, THE CONTRACTOR SHALL RECIEVE DIRECTION FROM THE LANDSCAPE ARCHITECT REGARDING DESIGN MODIFICATIONS IF NECCESSARY. THE PRESSURE READING SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S AUTHORIZED REPRESENTATIVE. RESULTS SHALL BE INCLUDED IN THE CONTRACTOR'S IRRIGATION EQUIPMENT SUBMITTAL INDICATING DATE AND TIME OF PRESSURE READING AND THE NAME OF ATTENDING OWNER'S REPRESENTATIVE.
2. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF SLEEVE PIPING WITH ALL TRADES TO INSURE THAT SLEEVES ARE INSTALLED PROPERLY PRIOR TO INSTALLATION OF CURB AND GUTTER, ASPHALT PAVING, SIDEWALKS, CONCRETE PADS, ETC.
3. MAINLINE AND OTHER IRRIGATION EQUIPMENT MAY BE SHOWN OUTSIDE OF LANDSCAPE AREAS FOR GRAPHIC CLARITY. ALL IRRIGATION EQUIPMENT SHALL BE LOCATED IN THE MEDIANS OR PARKWAY. THE MAIN LINE SHALL BE LOCATED IN THE LANDSCAPE PARKWAY 2' FROM BACK OF CURB UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH PLANS, WRITTEN SPECIFICATIONS AND DETAILS.
5. AT THE END OF THE TWO YEAR CONTRACTOR MAINTENANCE PERIOD AND PRIOR TO FINAL PROJECT ACCEPTANCE THE CONTRACTOR SHALL COMPLETE THE FOLLOWING:
   - A. INSTALL ONE LAMINATED CONTROLLER CHART IN CONTROLLER ENCLOSURE.
     SUBMIT TWO CONTROLLER CHARTS TO PARK MANAGEMENT.
   - B. PROVIDE A BILLING STATEMENT FROM THE WATER DEPT. SHOWING THAT THE WATER BILL FOR THE PROJECT HAS BEEN PAID IN FULL BY THE CONTRACTOR AND TRANSFERRED TO THE CITY.
   - C. PROVIDE A BILLING STATEMENT FROM THE ELECTRICAL CO. SHOWING THAT THE ELECTRICAL BILL FOR THE PROJECT HAS BEEN PAID IN FULL BY THE CONTRACTOR AND TRANSFERRED TO THE CITY.
   - D. SUBMIT RECORD (AS-BUILT) DRAWINGS ON MYLAR WITH AN ELECTRONIC FILE ON AUTOCAD. AN ELECTRONIC FILE SHALL BE REQUIRED ONLY IF THE OWNER PROVIDES THE CONTRACTOR WITH AN ELECTRONIC "BASE SHEET" FROM WHICH THE CONTRACTOR WILL THEN PRODUCE THE ELECTRONIC FILE.
     1. INCLUDE SQUARE FOOTAGE OF PROJECT ON COVER.
     2. INCLUDE WATER METER ADDRESS ON COVER.
     3. INCLUDE EXISTING UTILITIES ON PLAN.
     4. INCLUDE ANY EASEMENTS THAT MAY HAVE BEEN CREATED FOR THE PROJECT (FOR IRRIGATION COMPONENTS OUTSIDE THE RIGHT-OF-WAY).
   - E. PROVIDE KEYS FOR IRRIGATION COMPONENTS TO OWNER.

N

0 10 20 40 60
SCALE: 1" = 20

MORROW REARDON WILKINSON MILLER, LTD.
LANDSCAPE ARCHITECTS
210 La Veta NE, Albuquerque, NM 87108
505.266.2266 FAX 505.265.9637
mrw@mrwnm.com

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

AS-BUILT INFORMATION
CONTRACTOR Salis Bros.
STAKED BY Survtek DATE 1/08
INSPECTION & CHECKED BY DATE
FIELD VERIFICATION BY DATE
REVISIONS BY Wilson+Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
STATE OF NEW MEXICO
GREGORY MILLER
REGISTERED LANDSCAPE ARCHITECT
2/23/05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY CPW DATE 02/23/05
DRAWN BY CPW DATE 02/23/05
CHECKED BY GAM DATE 02/23/05

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
IRRIGATION PLAN

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C-11
Sheet 6-1 Of

WILSON & COMPANY

P:\$Year-2004\3004\3004-acad\3004-$current\3004-irrig\3004-IRRIG.dwg, 2/23/2005 8:44:10 AM, cpat,
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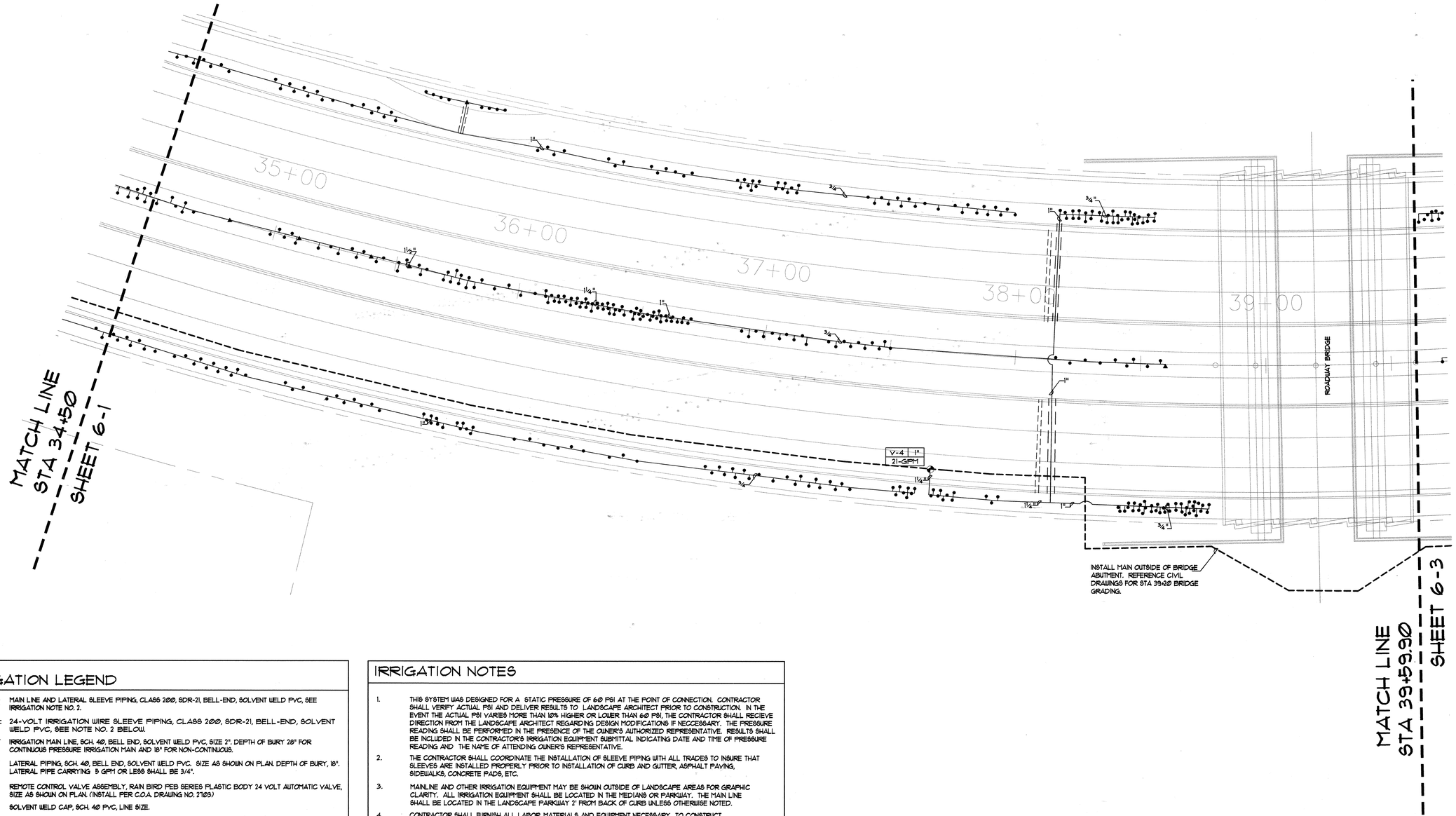

IRRIGATION LEGEND

═══	MAIN LINE AND LATERAL SLEEVE PIPING, CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC, SEE IRRIGATION NOTE NO. 2.
= = = = =	24-VOLT IRRIGATION WIRE SLEEVE PIPING, CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC, SEE NOTE NO. 2 BELOW.
- - - -	IRRIGATION MAIN LINE, SCH. 40, BELL END, SOLVENT WELD PVC, SIZE 2". DEPTH OF BURY 28" FOR CONTINUOUS PRESSURE IRRIGATION MAIN AND 18" FOR NON-CONTINUOUS.
———	LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC. SIZE AS SHOWN ON PLAN. DEPTH OF BURY, 18". LATERAL PIPE CARRYING 5 GPM OR LESS SHALL BE 3/4".
◉	REMOTE CONTROL VALVE ASSEMBLY, RAIN BIRD FEB SERIES PLASTIC BODY 24 VOLT AUTOMATIC VALVE, SIZE AS SHOWN ON PLAN. (INSTALL PER C.O.A. DRAWING NO. 2720)
⊓	SOLVENT WELD CAP, SCH. 40 PVC, LINE SIZE.
⋈	POINT OF CONNECTION, PER COA DWG.# 2706.
	PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES, OR EQUAL AS FOLLOWS: INSTALL PER C.O.A. DRAWING NUMBER 2711.

	MODEL NO.	GPM	PSI
•	1401	.25	30
▲	1401 (3 PER TREE, SEE DETAIL A/6-3)	.25	30

IRRIGATION NOTES

1. THIS SYSTEM WAS DESIGNED FOR A STATIC PRESSURE OF 60 PSI AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THE ACTUAL PSI VARIES MORE THAN 10% HIGHER OR LOWER THAN 60 PSI, THE CONTRACTOR SHALL RECIEVE DIRECTION FROM THE LANDSCAPE ARCHITECT REGARDING DESIGN MODIFICATIONS IF NECCESSARY. THE PRESSURE READING SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S AUTHORIZED REPRESENTATIVE. RESULTS SHALL BE INCLUDED IN THE CONTRACTOR'S IRRIGATION EQUIPMENT SUBMITTAL INDICATING DATE AND TIME OF PRESSURE READING AND THE NAME OF ATTENDING OWNER'S REPRESENTATIVE.
2. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF SLEEVE PIPING WITH ALL TRADES TO INSURE THAT SLEEVES ARE INSTALLED PROPERLY PRIOR TO INSTALLATION OF CURB AND GUTTER, ASPHALT PAVING, SIDEWALKS, CONCRETE PADS, ETC.
3. MAINLINE AND OTHER IRRIGATION EQUIPMENT MAY BE SHOWN OUTSIDE OF LANDSCAPE AREAS FOR GRAPHIC CLARITY. ALL IRRIGATION EQUIPMENT SHALL BE LOCATED IN THE MEDIANS OR PARKWAY. THE MAIN LINE SHALL BE LOCATED IN THE LANDSCAPE PARKWAY 2' FROM BACK OF CURB UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH PLANS, WRITTEN SPECIFICATIONS AND DETAILS.
5. AT THE END OF THE TWO YEAR CONTRACTOR MAINTENANCE PERIOD AND PRIOR TO FINAL PROJECT ACCEPTANCE THE CONTRACTOR SHALL COMPLETE THE FOLLOWING:
   - A. INSTALL ONE LAMINATED CONTROLLER CHART IN CONTROLLER ENCLOSURE.
     SUBMIT TWO CONTROLLER CHARTS TO PARK MANAGEMENT.
   - B. PROVIDE A BILLING STATEMENT FROM THE WATER DEPT. SHOWING THAT THE WATER BILL FOR THE PROJECT HAS BEEN PAID IN FULL BY THE CONTRACTOR AND TRANSFERRED TO THE CITY.
   - C. PROVIDE A BILLING STATEMENT FROM THE ELECTRICAL CO. SHOWING THAT THE ELECTRICAL BILL FOR THE PROJECT HAS BEEN PAID IN FULL BY THE CONTRACTOR AND TRANSFERRED TO THE CITY.
   - D. SUBMIT RECORD (AS-BUILT) DRAWINGS ON MYLAR WITH AN ELECTRONIC FILE ON AUTOCAD. AN ELECTRONIC FILE SHALL BE REQUIRED ONLY IF THE OWNER PROVIDES THE CONTRACTOR WITH AN ELECTRONIC 'BASE SHEET' FROM WHICH THE CONTRACTOR WILL THEN PRODUCE THE ELECTRONIC FILE.
     1. INCLUDE SQUARE FOOTAGE OF PROJECT ON COVER.
     2. INCLUDE WATER METER ADDRESS ON COVER.
     3. INCLUDE EXISTING UTILITIES ON PLAN.
     4. INCLUDE ANY EASEMENTS THAT MAY HAVE BEEN CREATED FOR THE PROJECT (FOR IRRIGATION COMPONENTS OUTSIDE THE RIGHT-OF-WAY).
   - E. PROVIDE KEYS FOR IRRIGATION COMPONENTS TO OWNER.

FOR LAYOUT

N

0 10 20 40 60

SCALE: 1" = 20

MORROW REARDON WILKINSON MILLER, LTD., LANDSCAPE ARCHITECTS
210 La Veta NE, Albuquerque, NM 87108
505.268.2266 FAX 505.265.9637
mlrw@mlrwltd.com

AS-BUILT INFORMATION
CONTRACTOR Sails Bros. DATE 1/06
STAKED BY Sumrall
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
MARKED BY
CORRECTED BY Wilson+Co. DATE 1/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
GREGORY MILLER
12
(C.S.) STAMP
LANDSCAPE ARCHITECT
2/24/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
	DATE 02/23/05	DESIGNED BY CPW	
	DATE 02/23/05	DRAWN BY CPW	
	DATE 02/23/05	CHECKED BY GAM	

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
IRRIGATION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE	APPROVED NOV 21 2005 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	6-2	

WILSON & COMPANY

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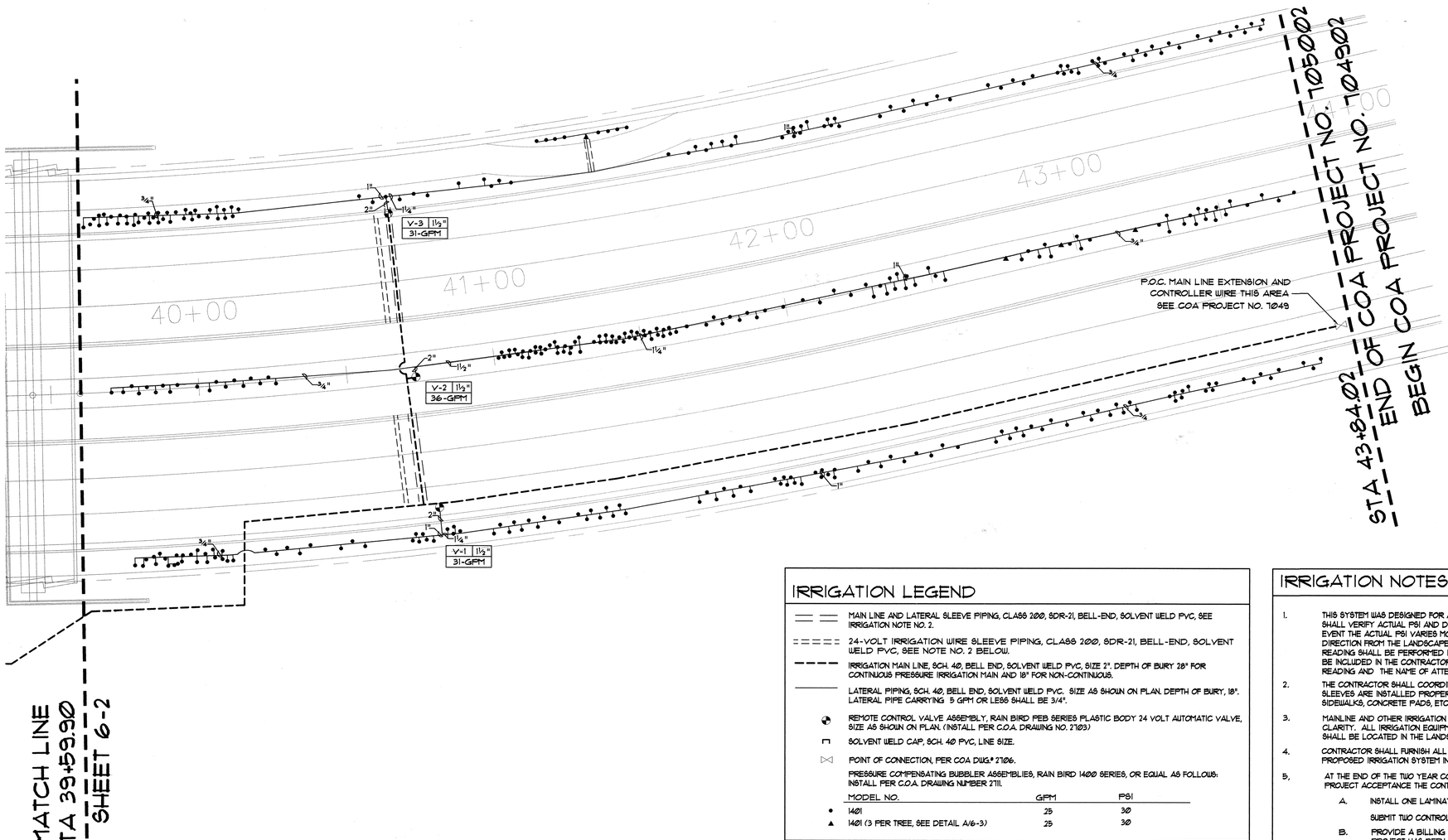
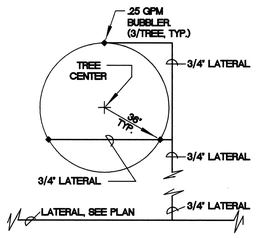


IRRIGATION LEGEND

═══	MAIN LINE AND LATERAL SLEEVE PIPING, CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC, SEE IRRIGATION NOTE NO. 2.
= = = = =	24-VOLT IRRIGATION WIRE SLEEVE PIPING, CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC, SEE NOTE NO. 2 BELOW.
- - - -	IRRIGATION MAIN LINE, SCH. 40, BELL END, SOLVENT WELD PVC, SIZE 2". DEPTH OF BURY 28" FOR CONTINUOUS PRESSURE IRRIGATION MAIN AND 18" FOR NON-CONTINUOUS.
———	LATERAL PIPING, SCH. 40, BELL END, SOLVENT WELD PVC. SIZE AS SHOWN ON PLAN. DEPTH OF BURY, 18". LATERAL PIPE CARRYING 5 GPM OR LESS SHALL BE 3/4".
	REMOTE CONTROL VALVE ASSEMBLY, RAIN BIRD FEB SERIES PLASTIC BODY 24 VOLT AUTOMATIC VALVE, SIZE AS SHOWN ON PLAN. (INSTALL PER C.O.A. DRAWING NO. 2703)
	SOLVENT WELD CAP, SCH. 40 PVC, LINE SIZE.
	POINT OF CONNECTION, PER COA DWG.# 2706.

PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES, OR EQUAL AS FOLLOWS: INSTALL PER C.O.A. DRAWING NUMBER 2711.

	MODEL NO.	GPM	PSI
•	1401	25	30
▲	1401 (3 PER TREE, SEE DETAIL A/6-3)	25	30



A / 6-3 **TRIPLE BUBBLER LAYOUT**

N.T.S.

IRRIGATION NOTES

1. THIS SYSTEM WAS DESIGNED FOR A STATIC PRESSURE OF 60 PSI AT THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THE ACTUAL PSI VARIES MORE THAN 10% HIGHER OR LOWER THAN 60 PSI, THE CONTRACTOR SHALL RECIEVE DIRECTION FROM THE LANDSCAPE ARCHITECT REGARDING DESIGN MODIFICATIONS IF NECCESSARY. THE PRESSURE READING SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S AUTHORIZED REPRESENTATIVE. RESULTS SHALL BE INCLUDED IN THE CONTRACTOR'S IRRIGATION EQUIPMENT SUBMITTAL INDICATING DATE AND TIME OF PRESSURE READING AND THE NAME OF ATTENDING OWNER'S REPRESENTATIVE.
2. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF SLEEVE PIPING WITH ALL TRADES TO INSURE THAT SLEEVES ARE INSTALLED PROPERLY PRIOR TO INSTALLATION OF CURB AND GUTTER, ASPHALT PAVING, SIDEWALKS, CONCRETE PADS, ETC.
3. MAINLINE AND OTHER IRRIGATION EQUIPMENT MAY BE SHOWN OUTSIDE OF LANDSCAPE AREAS FOR GRAPHIC CLARITY. ALL IRRIGATION EQUIPMENT SHALL BE LOCATED IN THE MEDIANS OR PARKWAY. THE MAIN LINE SHALL BE LOCATED IN THE LANDSCAPE PARKWAY 2' FROM BACK OF CURB UNLESS OTHERWISE NOTED.
4. CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO CONSTRUCT PROPOSED IRRIGATION SYSTEM IN ACCORDANCE WITH PLANS, WRITTEN SPECIFICATIONS AND DETAILS.
5. AT THE END OF THE TWO YEAR CONTRACTOR MAINTENANCE PERIOD AND PRIOR TO FINAL PROJECT ACCEPTANCE THE CONTRACTOR SHALL COMPLETE THE FOLLOWING:
   - A. INSTALL ONE LAMINATED CONTROLLER CHART IN CONTROLLER ENCLOSURE.
     SUBMIT TWO CONTROLLER CHARTS TO PARK MANAGEMENT.
   - B. PROVIDE A BILLING STATEMENT FROM THE WATER DEPT. SHOWING THAT THE WATER BILL FOR THE PROJECT HAS BEEN PAID IN FULL BY THE CONTRACTOR AND TRANSFERRED TO THE CITY.
   - C. PROVIDE A BILLING STATEMENT FROM THE ELECTRICAL CO. SHOWING THAT THE ELECTRICAL BILL FOR THE PROJECT HAS BEEN PAID IN FULL BY THE CONTRACTOR AND TRANSFERRED TO THE CITY.
   - D. SUBMIT RECORD (AS-BUILT) DRAWINGS ON MYLAR WITH AN ELECTRONIC FILE ON AUTOCAD. AN ELECTRONIC FILE SHALL BE REQUIRED ONLY IF THE OWNER PROVIDES THE CONTRACTOR WITH AN ELECTRONIC 'BASE SHEET' FROM WHICH THE CONTRACTOR WILL THEN PRODUCE THE ELECTRONIC FILE.
     1. INCLUDE SQUARE FOOTAGE OF PROJECT ON COVER.
     2. INCLUDE WATER METER ADDRESS ON COVER.
     3. INCLUDE EXISTING UTILITIES ON PLAN.
     4. INCLUDE ANY EASEMENTS THAT MAY HAVE BEEN CREATED FOR THE PROJECT (FOR IRRIGATION COMPONENTS OUTSIDE THE RIGHT-OF-WAY).
   - E. PROVIDE KEYS FOR IRRIGATION COMPONENTS TO OWNER.

N

0 10 20 40 60

SCALE: 1" = 20

MORROW REARDON WILKINSON MILLER, LTD.
LANDSCAPE ARCHITECTS
210 La Veta NE, Albuquerque, NM 87108
505.268.2286 FAX 505.265.9637
mrw@mrwnm.com

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

AS-BUILT INFORMATION
CONTRACTOR Salls Bros. DATE 1/06
TOWN SURVEYOR Survtek DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY Wilson & Co. DATE 1/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
STATE OF NEW MEXICO
GREGORY A. MILLER
REGISTERED LANDSCAPE ARCHITECT
2/23/05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY CPW DATE 02/23/05
DRAWN BY CPW DATE 02/23/05
CHECKED BY GAM DATE 02/23/05

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
IRRIGATION PLAN

Design Review Committee: APPROVE NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVE NOV 21 2005 CITY ENGINEER

Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C-11
Sheet 6-3 Of

WILSON & COMPANY

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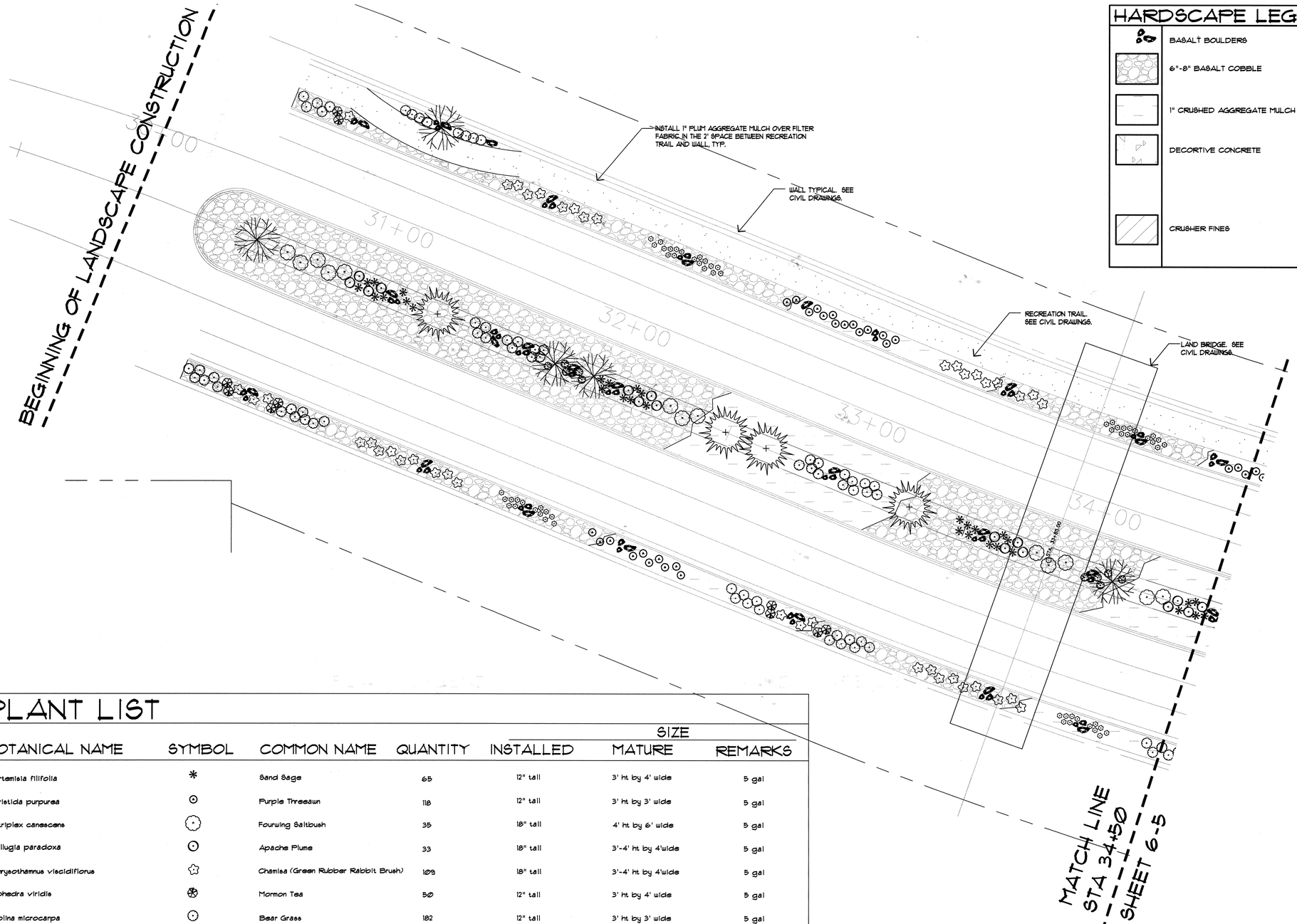

HARDSCAPE LEGEND

	BASALT BOULDERS	AS PROVIDED BY THE GENERAL CONTRACTOR AND/OR OWNER.
	6"-8" BASALT COBBLE	6" TO 8" DEPTH AVG. OF 6" - 8" CRUSHED BASALT COBBLE OVER FILTER FABRIC AS PROVIDED BY THE GENERAL CONTRACTOR AND/OR OWNER.
	1" CRUSHED AGGREGATE MULCH	4" DEPTH OF 1" CRUSHED ROCK OVER FILTER FABRIC, COLOR: PLUM, AS AVAILABLE FROM BUILDOLOGY, 3601 PAN AMERICAN FWY., ALBUQUERQUE, NM, (505) 344-6626, OR APPROVED EQUAL.
	DECORTIVE CONCRETE	CONSTRUCT PATTERN CONCRETE CONCRETE MEDIAN PAVING PER COA DRAWINGS 2430 AND 2408, 8IN. EMBOSSED PATTERN SHALL BE LITHOTEX/PAVECRAFTERS FRACTURED EARTH EMBOSSING SKIN AS MANUFACTURED BY SCOFIELD SYSTEMS, WWW.SCOFIELD.COM OR APPROVED EQUAL. CONCRETE STAIN SHALL BE LITHOCHROME CHEMSTAIN CLASSIC, COLOR C814-DARK WALNUT AS MANUFACTURED BY SCOFIELD SYSTEMS WWW.SCOFIELD.COM OR APPROVED EQUAL. CONTRACTOR TO CONSTRUCT EXPANSION JOINTS 20'-0" O.C.
	CRUSHER FINES	4" DEPTH OF CRUSHER FINES OVER FILTER FABRIC, COLOR: PLUM, AS AVAILABLE FROM BUILDOLOGY, 3601 PAN AMERICAN FWY., ALBUQUERQUE, NM, (505) 344-6626, OR APPROVED EQUAL.

PLANT LIST

BOTANICAL NAME	SYMBOL	COMMON NAME	QUANTITY	SIZE INSTALLED	SIZE MATURE	REMARKS
Artemisia filifolia	*	Sand Sage	65	12" tall	3' ht by 4' wide	5 gal
Aristida purpurea	⊙	Purple Threeawn	118	12" tall	3' ht by 3' wide	5 gal
Atriplex canescens	⊙	Fourwing Saltbush	35	18" tall	4' ht by 6' wide	5 gal
Fallugia paradoxa	⊙	Apache Plume	33	18" tall	3'-4' ht by 4'wide	5 gal
Chrysothamnus viscidiflorus	☆	Chamisa (Green Rubber Rabbit Brush)	109	18" tall	3'-4' ht by 4'wide	5 gal
Ephedra viridis	✲	Mormon Tea	50	12" tall	3' ht by 4' wide	5 gal
Nolina microcarpa	⊙	Bear Grass	182	12" tall	3' ht by 3' wide	5 gal
Sphaeralcea grossulariaefolia	⊙	Creeping Globemallow	217	12" spread	2' ht by 2' wide	5 gal
Muhlenbergia capillaris 'Regal Mist'	❁	Regal Mist Muhly Grass	59	12" tall	3' ht by 3' wide	5 gal
Schizachyrium scoparium 'The Blues'	⊛	Little Bluestem Grass	147	12" tall	18" ht by 18" wide	5 gal
Chilopsis linearis		Desert Willow	14	10' tall	18' ht by 20' wide	24" Box
Juniperus monosperma	+	Single Seed Juniper	7	4' tall	16' ht by 15' wide	15 gal

0 10 20 40 60

SCALE: 1" = 20

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LANDSCAPE ARCHITECTS
210 La Veta NE, Albuquerque, NM 87108
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AS-BUILT INFORMATION

BENCH MARKS

NO.	DATE	REMARKS
		WILSON & COMPANY, ENGINEERS & ARCHITECTS
	DATE	02/23/05
	DESIGNED BY	CPW
	DRAWN BY	CPW
	DATE	02/23/05
	CHECKED BY	GAM
	DATE	02/23/05

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

CONTRACTOR Sais Bros. DATE 1/08

STAKED BY Survtek

MONITORED BY

DATE

FIELD

DATE

VERIFICATION BY

CORRECTED BY Wilson & Co. DATE 1/08

MICRO-FILM INFORMATION

RECORDED BY

DATE

NO.

ENGINEER'S SEAL

STATE OF NEW MEXICO
GREGORY A. MILLER
NO. 7
REGISTERED LANDSCAPE ARCHITECT
2/23/05

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
LANDSCAPE PLAN

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED CITY ENGINEER

Last Design Update: Mo./Day/Yr. Mo./Day/Yr.

City Project No. COA 705002

Zone Map No. C-11

Sheet 6-4 Of

WILSON & COMPANY

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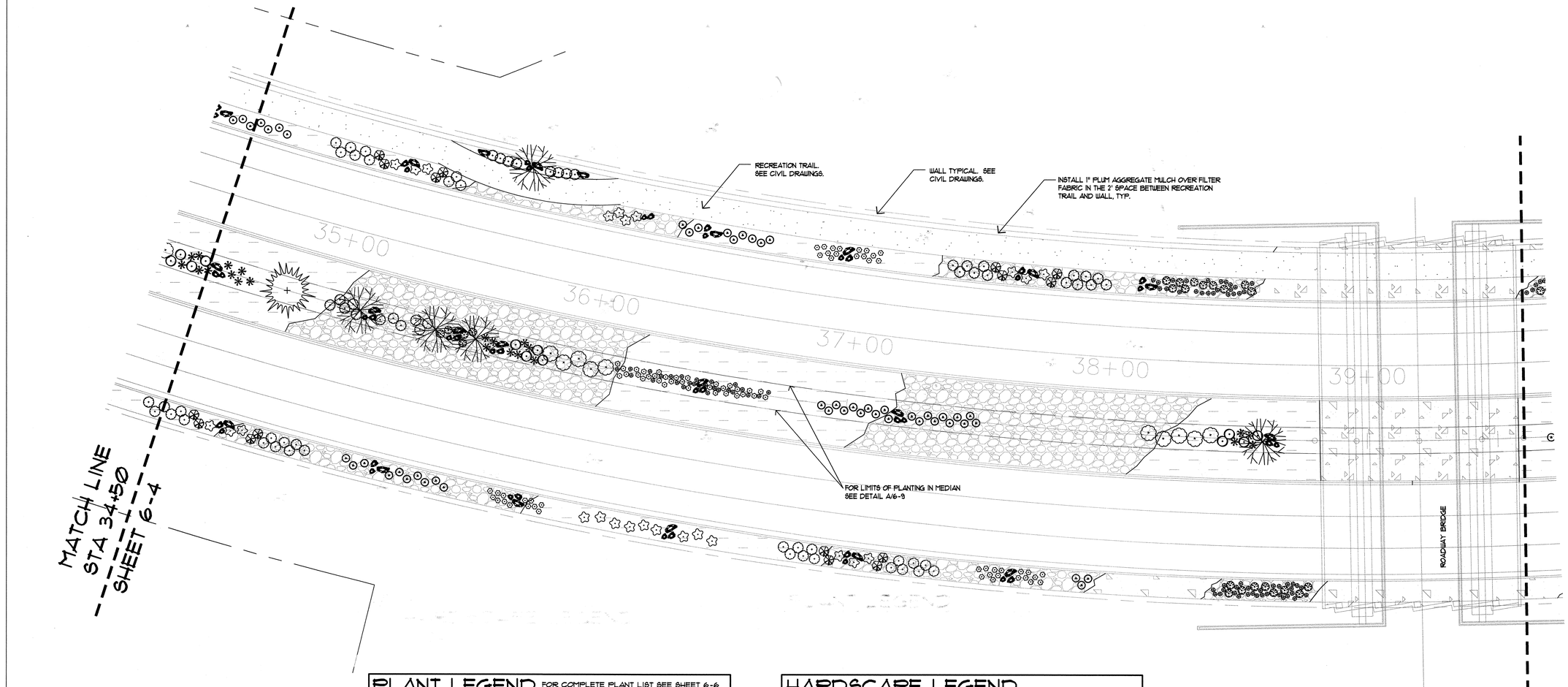

PLANT LEGEND

FOR COMPLETE PLANT LIST SEE SHEET 6-6

*	SAND SAGE	Artemisia filifolia
⊙	PURPLE THREEAWN	Aristida purpurea
⊙	FOURWING SALTBUSH	Atriplex canescens
⊙	APACHE PLUME	Fallugia paradoxa
☆	GREEN RABBITBRUSH	Chrysothamnus viscidiflorus
❀	MORMON TEA	Ephedra viridis
⊙	BEAR GRASS	Nolina microcarpa
⊙	CREEPING GLOBEMALLOW	Sphaeralcea grossulariaefolia
❀	REGAL MIST MUHLY GRASS	Muhlenbergia capillaris 'Regal Mist'
❀	LITTLE BLUESTEM GRASS	Schizachyrium scoparium 'The Blues'
	Desert Willow	Chilopsis linearis
+	Single Seed Juniper	Juniperus monosperma

HARDSCAPE LEGEND

	BASALT BOULDERS	AS PROVIDED BY THE GENERAL CONTRACTOR AND/OR OWNER.
	6"-8" BASALT COBBLE	6" TO 8" DEPTH AVG. OF 6" - 8" CRUSHED BASALT COBBLE OVER FILTER FABRIC AS PROVIDED BY THE GENERAL CONTRACTOR AND/OR OWNER.
	1" CRUSHED AGGREGATE MULCH	4" DEPTH OF 1" CRUSHED ROCK, OVER FILTER FABRIC, COLOR: PLUM, AS AVAILABLE FROM BUILDOLOGY, 3601 PAN AMERICAN FWY., ALBUQUERQUE, NM, (505) 344-6626, OR APPROVED EQUAL.
	DECORATIVE CONCRETE	CONSTRUCT PATTERN CONCRETE CONCRETE MEDIAN PAVING PER COA DRAWINGS 2430 AND 2408, SIM. EMBOSSED PATTERN SHALL BE LITHOTEX/PAVECRAFTERS FRACTURED EARTH EMBOSSING SKIN AS MANUFACTURED BY SCOFIELD SYSTEMS, WWW.SCOFIELD.COM OR APPROVED EQUAL. CONCRETE STAIN SHALL BE LITHOCHROME CHEMSTAIN CLASSIC, COLOR C514-DARK WALNUT AS MANUFACTURED BY SCOFIELD SYSTEMS WWW.SCOFIELD.COM OR APPROVED EQUAL. CONTRACTOR TO CONSTRUCT EXPANSION JOINTS 20'-0" O.C.
	CRUSHER FINES	4" DEPTH OF CRUSHER FINES, OVER FILTER FABRIC, COLOR: PLUM, AS AVAILABLE FROM BUILDOLOGY, 3601 PAN AMERICAN FWY., ALBUQUERQUE, NM, (505) 344-6626, OR APPROVED EQUAL.

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0 10 20 40 60

SCALE: 1" = 20

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505.268.2266 FAX 505.265.9637
mlrw@mlrwlm.com

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

AS-BUILT INFORMATION
CONTRACTOR Solis Bros. DATE 1/06
WORK INSPECTED BY Surv Tek DATE
CONTRACTOR'S AS-BUILTS BY DATE
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY Wilson & Co. DATE 1/06
MICRO-FILM INFORMATION
RECORDED BY DATE
VOL.

ENGINEER'S SEAL
STATE OF NEW MEXICO
GREGORY MILLER
17
REGISTERED LANDSCAPE ARCHITECT
2/23/05

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY CPW DATE 02/23/05
DRAWN BY CPW DATE 02/23/05
CHECKED BY GAM DATE 02/23/05

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
LANDSCAPE PLAN

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C-11
Sheet 6-5 Of

WILSON & COMPANY

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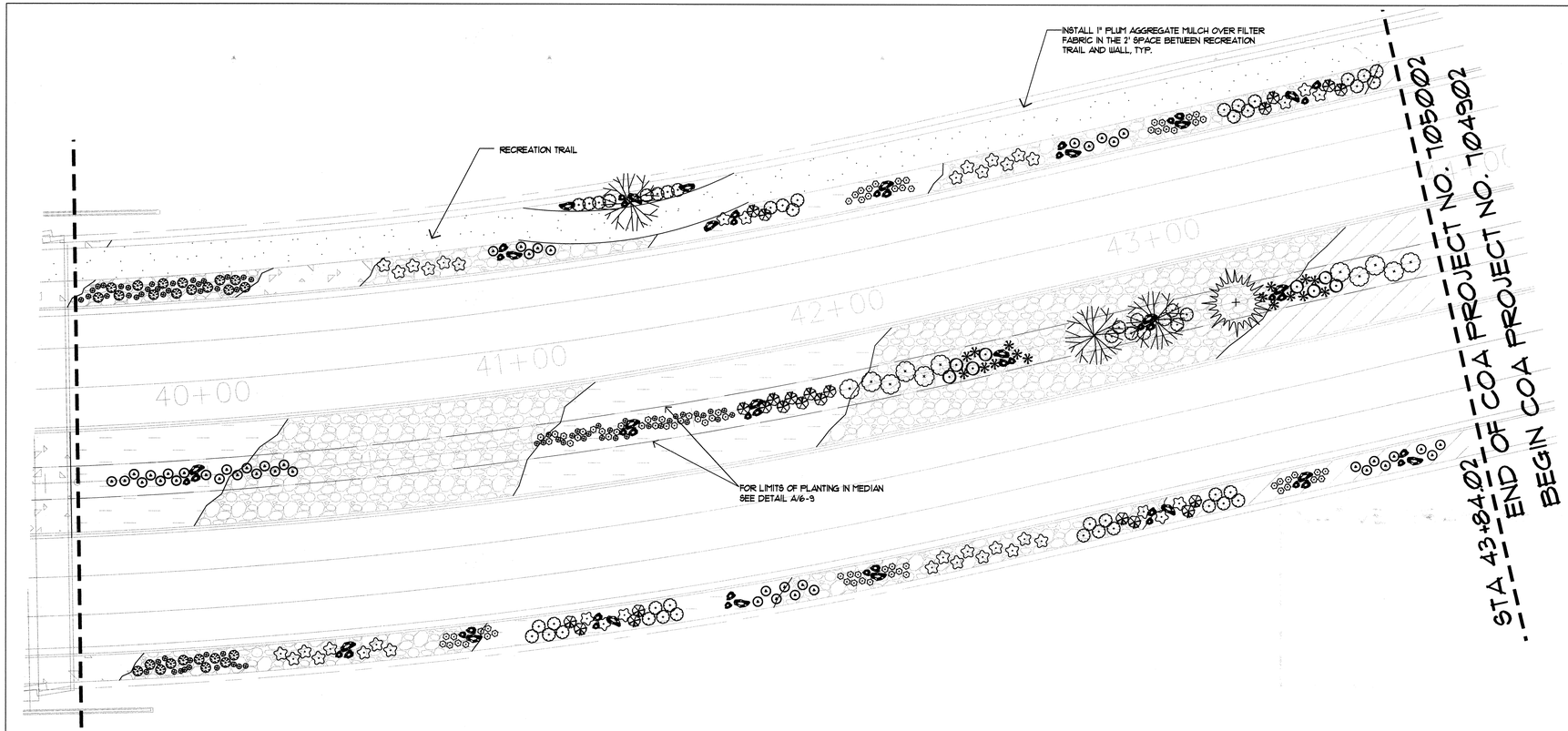

HARDSCAPE LEGEND

	BASALT BOULDERS	AS PROVIDED BY THE GENERAL CONTRACTOR AND/OR OWNER.
	6"-8" BASALT COBBLE	6" TO 8" DEPTH AVG. OF 6" - 8" CRUSHED BASALT COBBLE OVER FILTER FABRIC AS PROVIDED BY THE GENERAL CONTRACTOR AND/OR OWNER.
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	DECORATIVE CONCRETE	CONSTRUCT PATTERN CONCRETE CONCRETE MEDIAN PAVING PER COA DRAWINGS 2430 AND 2408, SIM. EMBOSSED PATTERN SHALL BE LITHOTEX/PAVECRAFTERS FRACTURED EARTH EMBOSSING SKIN AS MANUFACTURED BY SCOFIELD SYSTEMS, WWW.SCOFIELD.COM OR APPROVED EQUAL. CONCRETE STAIN SHALL BE LITHOCHROME CHEMSTAIN CLASSIC, COLOR C514-DARK WALNUT AS MANUFACTURED BY SCOFIELD SYSTEMS WWW.SCOFIELD.COM OR APPROVED EQUAL. CONTRACTOR TO CONSTRUCT EXPANSION JOINTS 20'-0" O.C.
	CRUSHER FINES	4" DEPTH OF CRUSHER FINES, OVER FILTER FABRIC, COLOR: PLUM, AS AVAILABLE FROM BUILDOLOGY, 3601 PAN AMERICAN FWY., ALBUQUERQUE, NM, (505) 344-6626, OR APPROVED EQUAL.

PLANT LEGEND FOR COMPLETE PLANT LIST SEE SHEET 6-6

*	SAND SAGE	Artemisia filifolia
⊙	PURPLE THREEAWN	Aristida purpurea
⊙	FOURWING SALTBUSH	Atriplex canescens
⊙	APACHE PLUME	Fallugia paradoxa
☆	GREEN RABBITBRUSH	Chrysothamnus viscidiflorus
✲	MORMON TEA	Ephedra viridis
⊙	BEAR GRASS	Nolina microcarpa
⊙	CREEPING GLOBEMALLOW	Sphaeralcea grossulariaefolia
✲	REGAL MIST MUHLY GRASS	Muhlenbergia capillaris 'Regal Mist'
⊛	LITTLE BLUESTEM GRASS	Schizachyrium scoparium 'The Blues'
	Desert Willow	Chilopsis linearis
+	Single Seed Juniper	Juniperus monosperma

PLANTING NOTES

1. IN CASE OF DISCREPANCY IN PLANT QUANTITIES SHOWN ON THE PLANT LIST AND THOSE SHOWN ON THE PLANTING PLANS, THE QUANTITIES SHOWN ON THE PLAN SHALL GOVERN.
2. QUANTITIES SHOWN ON THE PLANT LIST ARE ESTIMATES ONLY. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID AND INSTALLATION. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY DISCREPANCIES IN QUANTITIES BETWEEN THE PLANTING PLAN AND THE PLANT LIST.
3. IF THERE IS A DISCREPANCY IN THE FIELD OR NURSERY TREES BETWEEN THE CONTAINER SIZE CALLED OUT UNDER "REMARKS" AND THE CALIPER AND HEIGHT CALLED OUT UNDER "SIZE", THE SPECIFIED TREE MUST MEET THE CALIPER AND HEIGHT REQUIREMENTS SPECIFIED UNDER "SIZE", EVEN IF THE LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS, AT NO ADDITIONAL COST TO THE OWNER.
4. WEED BARRIER SHALL BE INSTALLED UNDER THE AGGREGATE MULCH THROUGHOUT THE MEDIANS AND PARKWAY UNLESS OTHERWISE NOTED, AND AS SHOWN. WEED BARRIER SHALL BE MIN. 4 OZ. WOVEN, NEEDLE POLYPROPLYTENE (DEWITT OR EQUAL). OVERLAY ENDS 3". TURN DOWN PERIMETER EDGES 6".
5. DEPTH AND TYPE OF AGGREGATE MULCH SHALL BE AS CALLED OUT IN THE HARDSCAPE LEGEND.
6. BOULDERS SHALL BE 18 CF TO 24 CF OF BASALT AS PROVIDED BY THE GENERAL CONTRACTOR AND/OR THE OWNER. BOULDERS SHALL BE INSTALLED PER DETAIL E/6-9.
7. PLANT MATERIAL SHALL BE INSTALLED PER DETAIL D/6-9.
8. CONTRACTOR SHALL ENSURE COMPLIANCE WITH MAXIMUM HEIGHT OF HARD ELEMENTS PER DETAIL C/6-9.
9. CONTRACTOR SHALL ENSURE COMPLIANCE WITH MINIMUM HORIZONTAL CLEARANCE PER DETAIL B/6-9.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

AS-BUILT INFORMATION
CONTRACTOR Salis Bros. DATE 1/06
REVIEWED BY Surveyor DATE
INSPECTOR'S SIGNATURE DATE
FIELD INFORMATION BY DATE
DRAWING INFORMATION BY Wilson+Co. DATE 1/06
CORRECTED BY MICRO-FILM INFORMATION DATE
RECORDED BY DATE
NO.

ENGINEER'S SEAL
STATE OF NEW MEXICO
GREGORY C. MILLER
REGISTERED LANDSCAPE ARCHITECT
2/23/05

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SCALE: 1" = 20

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DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
LANDSCAPE PLAN

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APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 6-6 Of

WILSON & COMPANY

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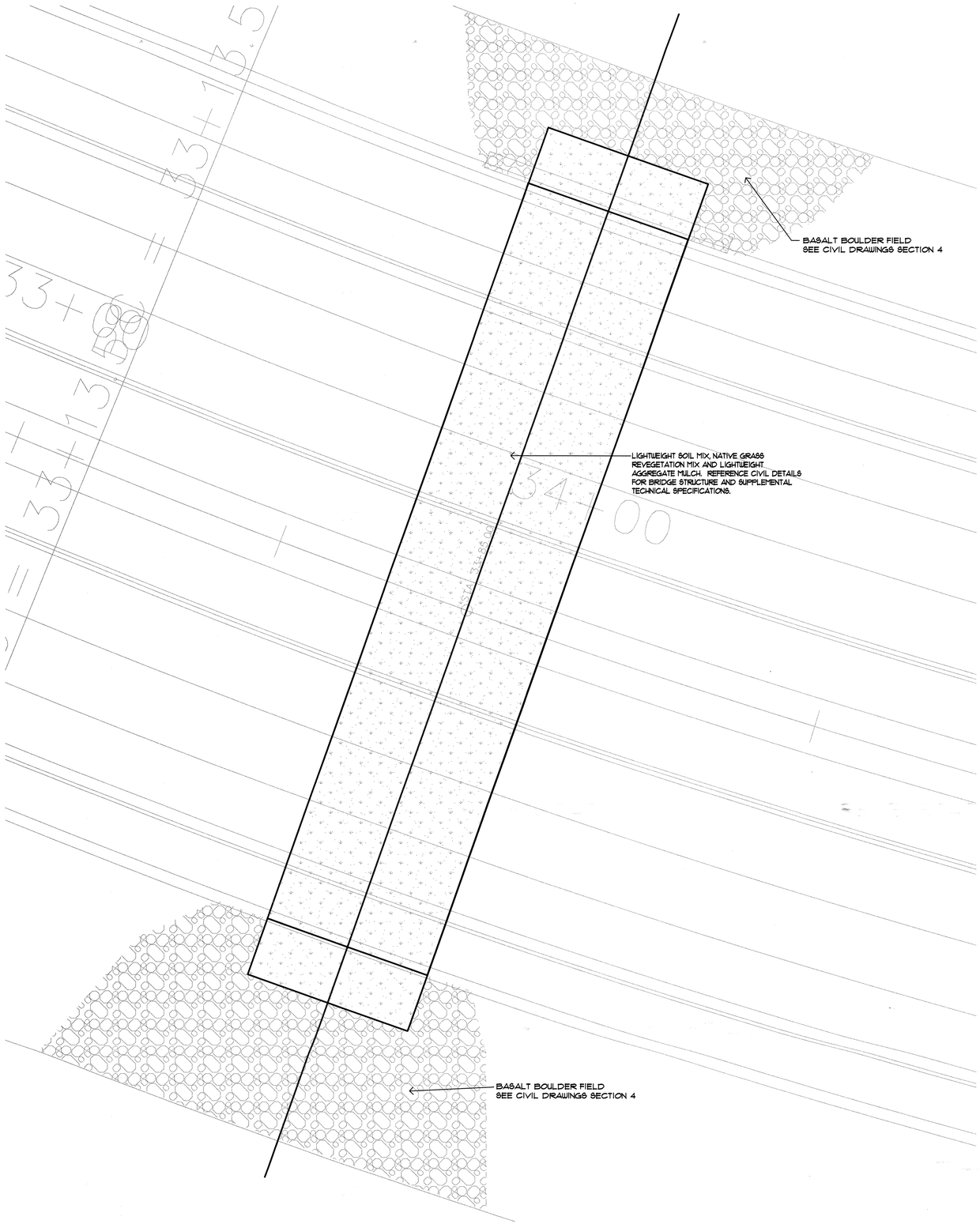

LAND BRIDGE LEGEND

	BASALT BOULDER FIELD REFERENCE CIVIL DRAWINGS	BOULDERS AS PROVIDED BY THE GENERAL CONTRACTOR AND/OR OWNER.
	LAND BRIDGE LIGHTWEIGHT AGGREGATE MULCH TOPDRESS	1" DEPTH OF LIGHTWEIGHT AGGREGATE MIX. MIX TO BE 50% ¾" CRUSHED BASALT (AS PROVIDED BY GENERAL CONTRACTOR OR OWNER) AND 50% ½" EBCS SOIL CONDITIONER. PLACE MIX OVER LIGHTWEIGHT SOIL MIX AND HAND TAMP.
	NATIVE GRASS REVEGETATION MIX	SEE NATIVE GRASS REVEGETATION MIX THIS SHEET

NATIVE GRASS REVEGETATION MIX

All seed shall be as available from Curtin and Curtis, Inc., Clovis, NM, (505) 762-4759, or approved equal

Native Grass Blend - 'Pioneer's Pride'
Seeding Rate: 12 lbs. per acre

Wildflower Mix - 'Llano Estacado'
Seeding Rate: 5 lbs. per acre

Shrub Seed - Desert Globemallow - Seeding Rate: 1 lbs. per acre
Rubber Rabbit Brush - Seeding Rate: 1 lbs. per acre
Fourwing Saltbush - Seeding Rate: 6 lbs. per acre
Shadescale Saltbush - Seeding Rate: 5 lbs. per acre
Apache Plume - Seeding Rate: 2 lbs. per acre

LAND BRIDGE WATERING SCHEDULE

WATER DAY	GALLONS WATER	PRECIPITATION INCHES
1	750	0.25"
3	750	0.25"
5	750	0.25"
9	600	0.2"
15	450	0.15"
22	300	0.1"
30	150	0.05"

NOTES

1. CONTRACTOR SHALL WATER THE LAND BRIDGE AS SPECIFIED IN THE LAND BRIDGE WATERING SCHEDULE.

2. CONTRACTOR SHALL APPLY THE TOTAL VOLUME OF WATER LISTED IN THE "GALLONS WATER" COLUMN EVENLY ACROSS THE ENTIRITY OF THE BRIDGE. VOLUME LISTED SHALL BE APPLIED ON THE CORRESPONDING "WATER DAYS."

3. NO VEHICLES SHALL BE DRIVEN ON THE BRIDGE DURING WATERING OPERATIONS.

4. THE WATER FORCE SHALL NOT BE OF SUCH VOLUME OR PRESSURE TO CAUSE MOVEMENT OF THE SOIL OR MULCH ON THE GROUND.

0 5 10 20 30

SCALE: 1" = 10'

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS

AS-BUILT INFORMATION
CONTRACTOR Solis Bros. DATE 1/08
STAKED BY Sunrise DATE
INSPECTOR'S FIELD DATE
VERIFICATION BY
MARKUPS RECEIVED BY Wilson & Co. DATE 1/08
CORRECTED BY MICRO-FILM INFORMATION DATE
RECORDED BY
NO.

ENGINEER'S SEAL
STATE OF NEW MEXICO
GREGORY MILLER
17
REGISTERED LANDSCAPE ARCHITECT
2/23/05

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY CPW DATE 02/23/05
DRAWN BY CPW DATE 02/23/05
CHECKED BY GAM DATE 02/23/05

MORROW REARDON WILKINSON MILLER, LTD.,
LANDSCAPE ARCHITECTS
210 La Veta NE, Albuquerque, NM 87108
505.268.2266 FAX 505.265.9637
mrw@mrwnm.com

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
LAND BRIDGE LANDSCAPE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE	APPROVED NOV 21 2005 CITY ENGINEER			

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 6-7 Of

WILSON & COMPANY

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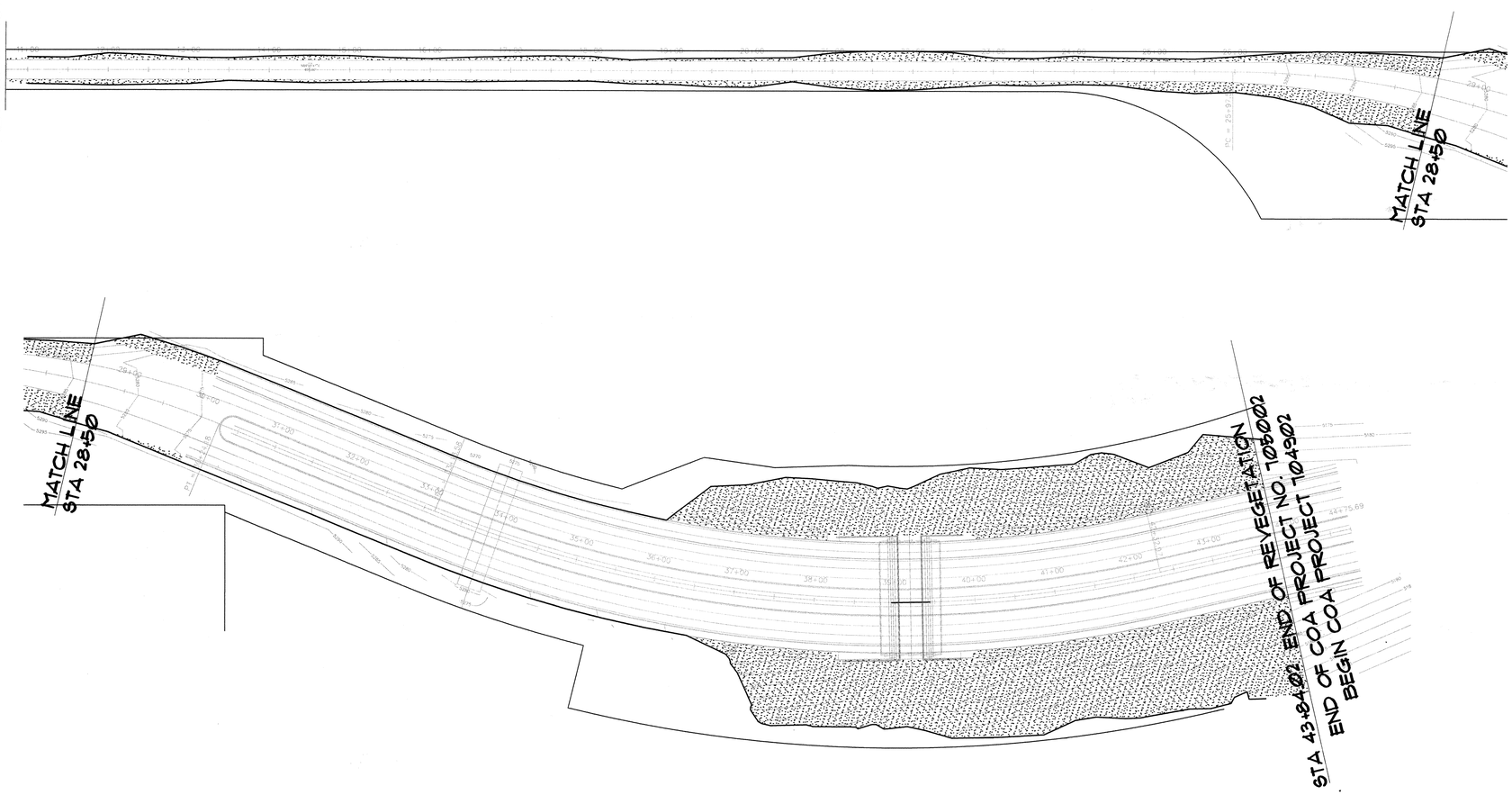
1:1



LIVE PLANT LIST - REVEGETATION

BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE INSTALLED	SIZE MATURE
Atriplex canescens	Fourwing Saltbush	50	10" Tube Packs	6' ht by 6' wide
Fallugia paradoxa	Apache Plume	50	10" Tube Packs	3'-4' ht by 4'wide
Chrysothamnus viscidiflorus	Chamisa (Green Rubber Rabbit Brush)	50	10" Tube Packs	3'-4' ht by 4'wide

LIVE PLANT REVEGETATION: LIVE PLANT REVEGETATION SHALL BE INSTALLED SUBSEQUENT TO REVEGETATION SEEDING AND BOULDER AND ROCK FIELD PLACEMENT. THE CONTRACTOR SHALL PROVIDE THE ABOVE QUANTITIES WHICH SHALL BE LOCATED IN THE FIELD BY THE LANDSCAPE ARCHITECT. FOR PLANT ESTABLISHMENT AND MAINTENANCE REQUIREMENTS, SEE THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS.

REVEGETATION NATIVE GRASS MIX SCHEDULE

All seed shall be as available from Curtin and Curtis, Inc., Clovis, NM, (505) 762-4759, or approved equal

Native Grass Blend - 'Pioneer's Pride'
Seeding Rate: 12 lbs. per acre

Wildflower Mix - 'Llano Estacado'
Seeding Rate: 5 lbs. per acre

Shrub Seed - Desert Globemallow - Seeding Rate: 1 lbs. per acre
Rubber Rabbit Brush - Seeding Rate: 1 lbs. per acre
Fourwing Saltbush - Seeding Rate: 6 lbs. per acre
Shadescale Saltbush - Seeding Rate: 5 lbs. per acre
Apache Plume - Seeding Rate: 2 lbs. per acre

REVEGETATION PLAN LEGEND

ALL DISTURBED AREAS SHALL BE SEEDED WITH NATIVE GRASS REVEGETATION MIX. REVEGETATION AREAS SHOWN ON PLAN ARE APPROXIMATE. REVEGETATION MIX SHALL BE AS INDICATED IN THE NATIVE GRASS REVEGETATION MIX SCHEDULE THIS SHEET.

REVEGETATION SHALL BE INSTALLED BY BROADCAST METHOD PER COA SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, UPDATE NO. 7.

SLOPE LIMITS

N

0 40 80 160 240

SCALE: 1" = 80'

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mrw@mrwnm.com

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

AS-BUILT INFORMATION

CONTRACTOR	Sails Bros.
STAKED BY	Survtek DATE 1/08
REFERENCED BY	DATE
FIELD VERIFICATION BY	DATE
MARKINGS CORRECTED BY	Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION RECORDED BY	DATE
NO.	

ENGINEER'S SEAL

STATE OF NEW MEXICO
GREGORY MILLER
REGISTERED LANDSCAPE ARCHITECT
2/23/05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY CPW DATE 02/23/05
DRAWN BY CPW DATE 02/23/05
CHECKED BY GAM DATE 02/23/05

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
REVEGETATION PLAN

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER

Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C-11
Sheet 6-8 Of

WILSON & COMPANY

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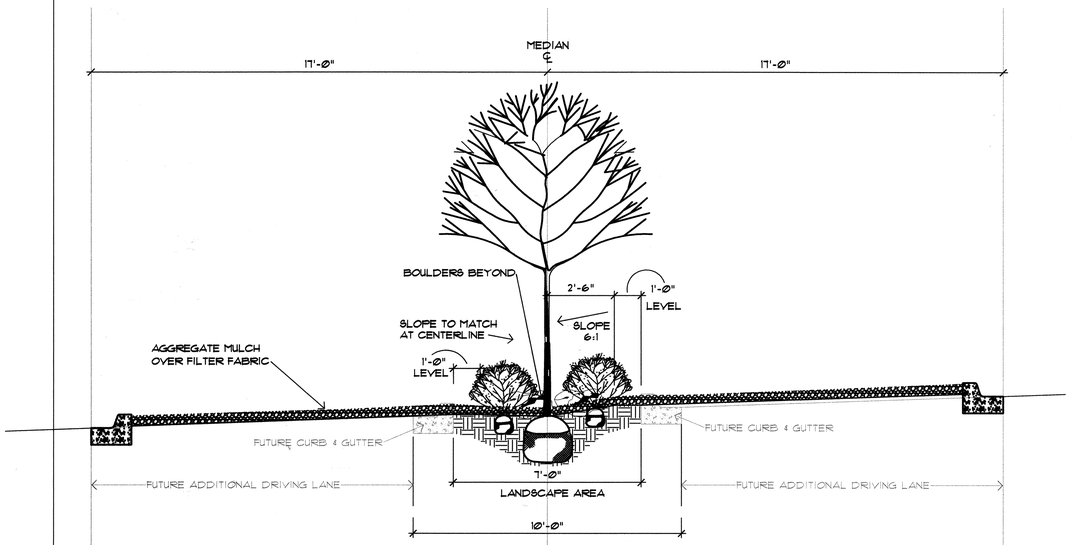
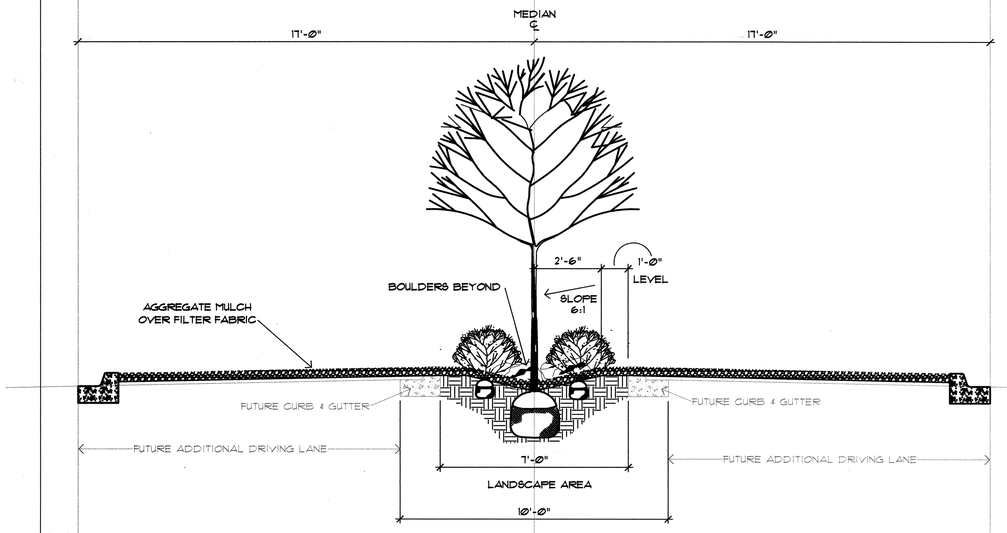
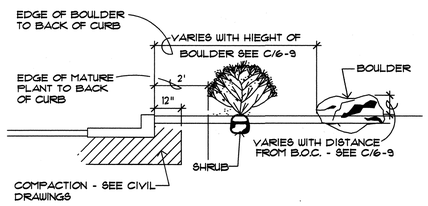


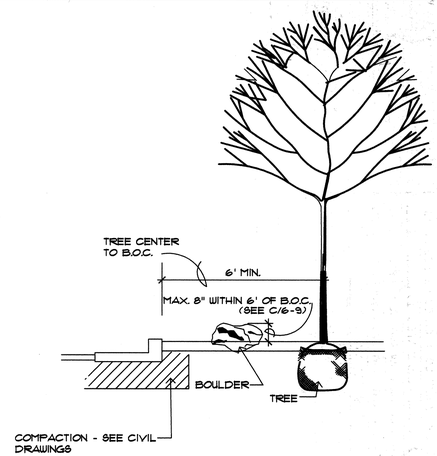
3.5% SUPERELEVATION



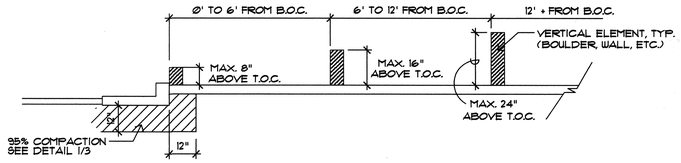
2.0% NORMAL CROWN

A / 6-9 MEDIAN PLANTING CROSS SECTION - SUPERELEVATION AND NORMAL
MEDIAN 11/22/04 3/8" = 1'-0"

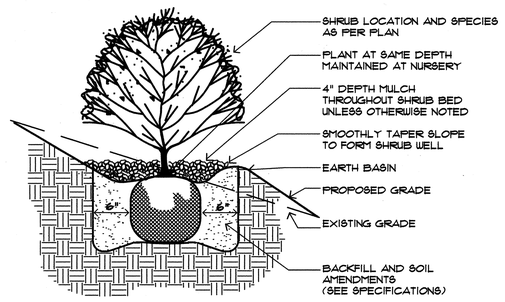




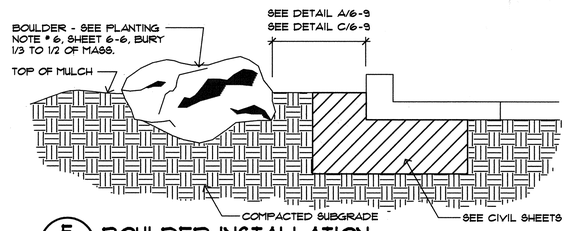
B / 6-9 MINIMUM HORIZONTAL CLEARANCES SECTION - PARKWAYS
HORIZONTAL-CLEARANCE-SECTION DWG 04/7/03 3/8" = 1'-0"



C / 6-9 SECTION: MAXIMUM HEIGHT OF HARD ELEMENTS WITHIN PARKWAY
MAXIMUM-HEIGHTS-SECTION DWG 04/24/03 3/8" = 1'-0"



D / 6-9 SHRUB PLANTING DETAIL - ON SLOPE
MCD-0005 110795 N.T.S.



E / 6-9 BOULDER INSTALLATION
BOULDER-INSTALLATION.DWG 06/02/03 3/4" = 1'

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AS-BUILT INFORMATION
CONTRACTOR Solis Bros. DATE 1/08
WORK STAKED BY Sunrise DATE
ASBUILTS DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY
COMPARED BY Wilsons DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
GREGORY MILLER
17
REGISTERED LANDSCAPE ARCHITECT
2/23/05

NO.	DATE	REMARKS	BY
		REVISIONS	
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY CPW	DATE 02/23/05
		DRAWN BY CPW	DATE 02/23/05
		CHECKED BY GAM	DATE 02/23/05

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
LANDSCAPE DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE	APPROVED NOV 21 2005 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	6-9	

WILSON & COMPANY

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1:1

ARTISTIC FEATURES GENERAL NOTES

1. CONCRETE SURFACE TREATMENT AND DETAILS:

THE CONCRETE SURFACES SHALL RECEIVE TWO (2) APPLICATIONS OF STAIN IN SHERWIN WILLIAMS COLOR SYSTEM AS LISTED BELOW:

A. PRECAST CONCRETE PANELS FOR MSE WALLS – 1656 HOPI SQUASH

B. CAST–IN–PLACE COPING FOR MSE WALLS – 1299 ASH ROSE

C. ARTISTIC BRIDGE BARRIER
FOR 39+20.00 BRIDGE (ROADWAY SIDE) – 1656 HOPE SQUASH

D. ARTISTIC BRIDGE BARRIER
FOR 39+20.00 BRIDGE (OUTER SIDE) – 1299 ASH ROSE

E. 39+20.00 BRIDGE OUTSIDE GIRDERS &
EXPOSED FACE OF DECK – 1656 HOPI SQUASH

F. ACCORDION WALLS – 1656 HOPE SQUASH

G. 33+85.00 LAND BRIDGE EXTERIOR GIRDER FACE – 1299 ASH ROSE

H. 33+85.00 LAND BRIDGE UNDERSIDE OF GIRDER &
WINGWALLS – 1021 HI TECH BLACK

I. PCC SLOPE PAVING FOR 39+20.00 BRIDGE – 1299 ASH ROSE

THE STAIN SHALL ONLY BE APPLIED AFTER THE CONCRETE HAS CURED A MINIMUM OF FOURTEEN (14) DAYS, OR HAS CURED SUFFICIENTLY TO MEET MANUFACTURER'S MOISTURE VAPOR EMISSION REQUIREMENTS. THE SURFACE SHALL BE PREPARED AND THE STAIN SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED MINIMUM COVERAGE RATE. THE CONTRACTOR SHALL SUBMIT THE FINAL STAIN COLOR AND APPLICATION TECHNIQUES ON JOBSITE TEST SAMPLES TO BE APPROVED BY THE PROJECT MANAGER PRIOR TO INSTALLATION.

A 4 FT. BY 4 FT. COLOR SAMPLE SHALL BE PREPARED FOR EACH STAIN COLOR FOR APPROVAL. ALL CHEMICALLY STAINED SURFACES SHALL BE SEALED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL JOINTS IN CHEMICALLY STAINED FLATWORK SHALL BE SEALED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL STAIN SHALL BE OF THE SHERWIN WILLIAMS COLOR SYSTEM OR ENGINEER APPROVED EQUAL.

2. PRECAST CONCRETE PANEL PATTERN:

PROVIDE "WAVY" PATTERN AS DETAILED IN PANEL 1 PATTERN, PANEL 2 PATTERN, AND PANEL 3 PATTERN (SEE SHEETS 6–11 AND 6–12). THE "WAVY" PATTERN SHALL HAVE A RELIEF RANGING BETWEEN 1.5" MINIMUM TO 2" MAXIMUM. PRIOR TO BEGINNING ANY WORK IN THE PRODUCTION OF THE PRECAST CONCRETE PANELS, THE CONTRACTOR SHALL PREPARE A 4 FT BY 4 FT COLOR/PATTERN SAMPLE FOR REVIEW BY THE PROJECT MANAGER. A 3D AUTOCAD DRAWING, OR OTHER MEANS AS APPROVED BY THE PROJECT MANAGER, SHALL BE USED TO CONVEY THE "WAVY" PATTERN SAMPLE FOR REVIEW BY THE PROJECT MANAGER. THE PROJECT MANAGER MUST APPROVE THIS SAMPLE BEFORE PRODUCTION, CONSTRUCTION, OR INSTALLATION MAY OCCUR.

3. ACCESS HATCHES FOR 33+85.00 LAND BRIDGE:

THE EXPOSED SURFACES OF THE ACCESS HATCHES FOR THE 33+85.00 LAND BRIDGE SHALL BE PAINTED WITH 1021 HI TECH BLACK.

4. ARTISTIC FORM REVEAL AT EXTERIOR FACES OF 33+85.00 LAND BRIDGE:

PROVIDE ARTISTIC REVEAL FEATURE TO EXTERIOR FACE AS DETAILED ON SHEET 6–14.

5. CMU FASCIA BLOCK (SPLIT FACE) COLOR & TEXTURE DETAILS:

THE BLOCK SHAPE SHALL BE AS DETAILED ON SHEET 7–10, WITH A SPLIT FACE TEXTURE. THE COLOR OF THE BLOCK SHALL BE "PETRO BLACK" BY SOUTHWEST BLOCK, INC., RIO RANCHO, OR ENGINEER APPROVED EQUAL.

6. CMU WALL STAINED BLOCK COLORS AND PATTERN DETAILS:

THE CMU WALLS INCLUDING THE CMU RETAINING WALLS ALONG THE EARTHEN BERMS AND THE CMU TIERED WALLS ALONG THE FACE OF THE SOLDIER PILE RETAINING WALLS SHALL HAVE A PATTERN OF BLOCKS WITHIN THE WALL THAT WILL BE STAINED BY THE PROJECT ARTISTS.

THE BLOCKS TO BE STAINED SHALL BE PLAIN, GREY BLOCKS WITH A SMOOTH FACE. THE SHAPE OF THE BLOCK SHALL BE THE SAME AS THAT DETAILED ON SHEET 7–10 WITH SMOOTH TEXTURE INSTEAD OF THE SPLIT FACE TEXTURE. THE BLOCKS SHALL BE PLACED WITHIN THE WALL AS PER THE PATTERNS DETAILED IN SHEET 6–15 AND AS PER THE PROJECT MANAGER.

THE CONTRACTOR SHALL SUPPLY THE STAIN FOR THIS WORK TO THE ARTISTS AS THE ARTISTS WILL STAIN THE BLOCKS. THE COLOR PALETTE SHALL BE AS FOLLOWS:

–	–
–	–
–	–
–	–
–	–
–	–
–	–
–	–

7. PAYMENT FOR THIS WORK, INCLUDING BUT NOT LIMITED TO STAIN, MATERIALS AND EQUIPMENT REQUIRED TO STAIN, WORK REQUIRED FOR PRODUCTION OF CONCRETE PANEL DESIGN (FORMLINERS, SAMPLES, ETC.), WORK REQUIRED FOR PRODUCTION OF CMU BLOCK AS DETAILED ON SHEET 7–10, AND COLOR AND/OR PATTERN SAMPLES, SHALL BE CONSIDERED AS INCLUDED IN THE RESPECTIVE BID ITEM AND NO ADDITIONAL PAYMENT SHALL BE MADE THEREFOR.

8. SIMULATED DESERT VARNISH ROCK COLORING:

THE COLORING MATERIAL FOR THE EXPOSED BASALT ROCK SHALL BE A SINGLE STEP APPLICATION PROCESS, SIMULATED DESERT VARNISH MATERIAL THAT WILL DEVELOP NATURAL, AGED EARTH TONES OR DESERT VARNISH COLORS ON THE SURFACE TO WHICH IT IS APPLIED. THE MATERIAL SHALL CONTAIN NO CAUSTIC OR ALKALINE CHEMICALS. PRODUCTS MUST NOT HAVE A PH OF 7 OR ABOVE.

THE ROCK COLORING MATERIAL SHALL BE PERMEON™ (SOIL–TECH, CO.) OR AN ENGINEER APPROVED EQUAL.

THE SIMULATED DESERT VARNISH MATERIAL SHALL BE APPLIED DIRECTLY TO CLEAN SURFACES BY AN APPLICATOR CERTIFIED BY THE MANUFACTURER. BROWN TO BLACK COLORS THAT DEVELOP SHALL BE CONTROLLED OR MODIFIED BY CUSTOM BLENDING OF THE COLOR CONCENTRATE, APPLICATION TECHNIQUE OR A COMBINATION OF THESE. TEST SECTIONS SHALL BE APPLIED AT VARIOUS DILUTIONS TO MATCH DESIRED COLORS.

ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE CONSIDERED AS INCLUDED IN BID ITEM 1099.010 SIMULATED DESERT VARNISH ROCK COLORING, FURNISH AND APPLY, CIP.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1–C11" 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I–40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.–N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER–1ST CLASS) (NAVD 88)

AS–BUILT INFORMATION
CONTRACTOR Solis Bros. DATE 1/08
WORK STAKED BY Surv-Tek DATE
INSPECTOR'S FIELD MARKINGS BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY Wilson + Co DATE 1/08

MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GMK DATE FEB 2005
DRAWN BY CRH DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
ARTISTIC FEATURES: COLOR & TEXTURE REQUIREMENTS

Design Review Committee: APPROVED NOV 2 2 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 0 2 '05 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C–11 | Sheet 6–10 Of

WILSON & COMPANY

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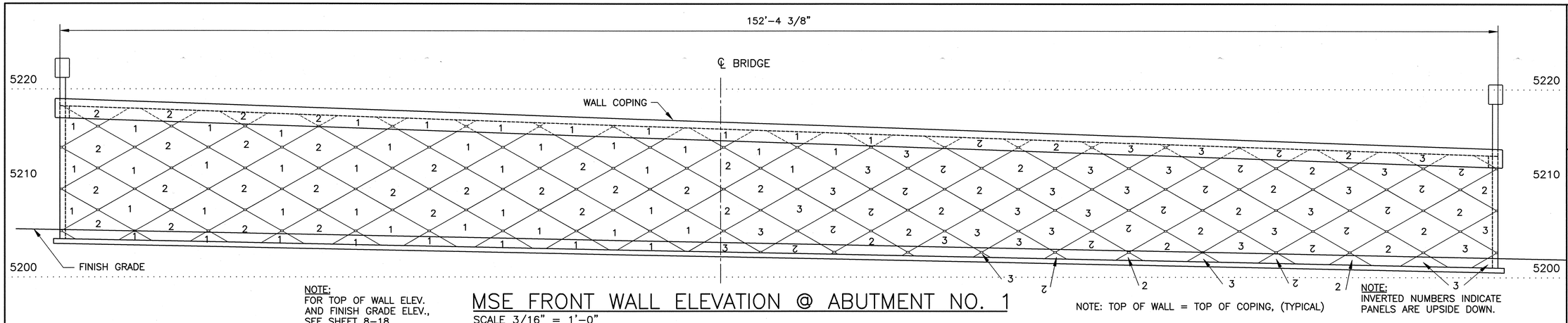
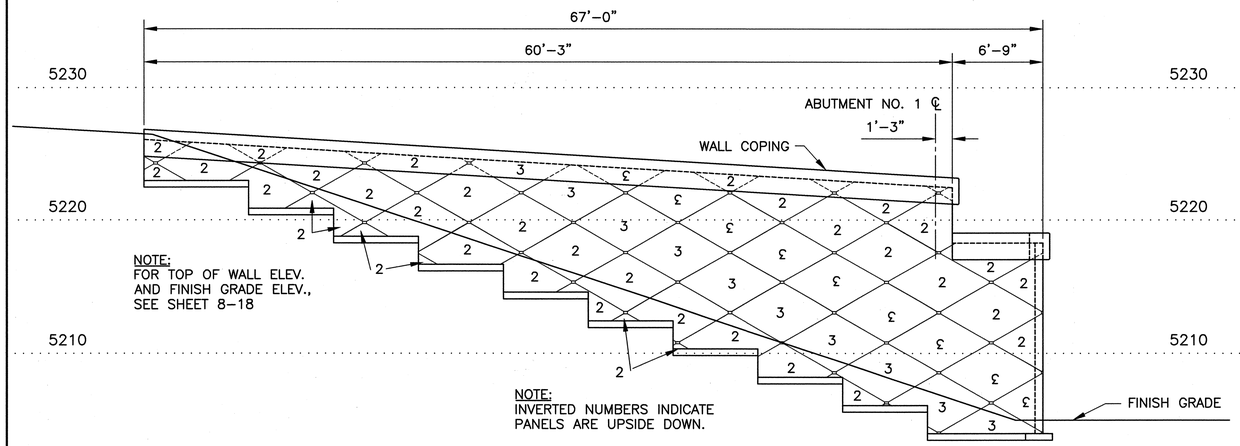


NOTE:
FOR TOP OF WALL ELEV. AND FINISH GRADE ELEV., SEE SHEET 8-18

MSE FRONT WALL ELEVATION @ ABUTMENT NO. 1
SCALE 3/16" = 1'-0"

NOTE: TOP OF WALL = TOP OF COPING, (TYPICAL)

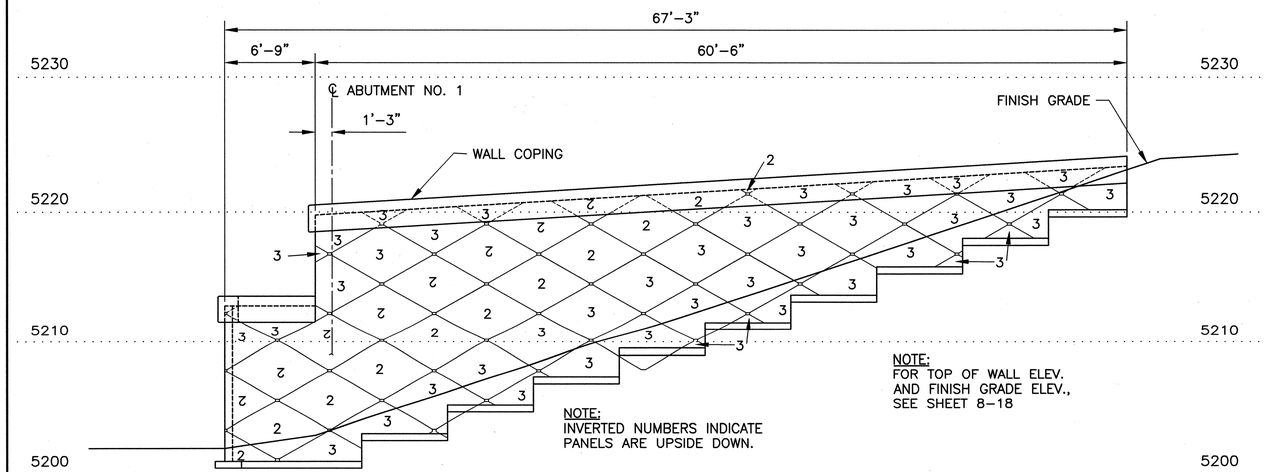
NOTE:
INVERTED NUMBERS INDICATE PANELS ARE UPSIDE DOWN.



NOTE:
FOR TOP OF WALL ELEV. AND FINISH GRADE ELEV., SEE SHEET 8-18

NOTE:
INVERTED NUMBERS INDICATE PANELS ARE UPSIDE DOWN.

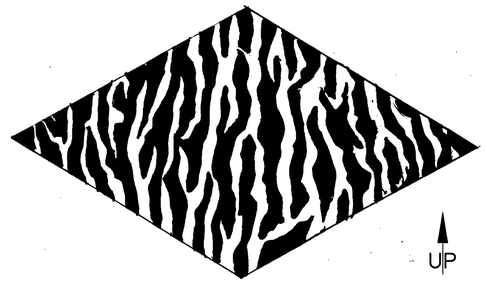
MSE SOUTH WALL ELEVATION @ ABUTMENT NO. 1
SCALE 3/16" = 1'-0"



NOTE:
FOR TOP OF WALL ELEV. AND FINISH GRADE ELEV., SEE SHEET 8-18

NOTE:
INVERTED NUMBERS INDICATE PANELS ARE UPSIDE DOWN.

MSE NORTH WALL ELEVATION @ ABUTMENT NO. 1
SCALE 3/16" = 1'-0"



PANEL 1 TEXTURE
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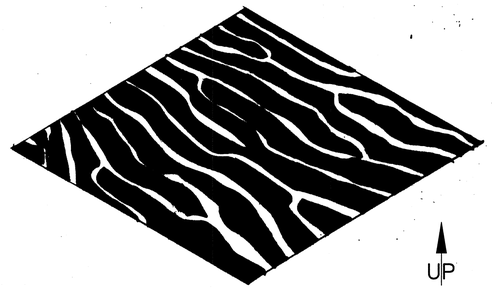

PANEL 2 TEXTURE
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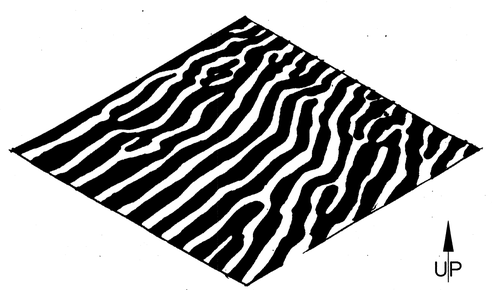

PANEL 3 TEXTURE
NO SCALE

NOTE:
FOR TYPICAL PANEL DIMENSIONS SEE SHEET 8-17.

AS-BUILT INFORMATION
CONTRACTOR Salls Bros. DATE 1/08
WORK STAKED BY Surv/Tek DATE
ACCEPTANCE BY DATE
FIELD DATE
STAKING REVISION BY DATE
DRAWINGS CORRECTED BY Wilson & Co DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	GWK	DATE FEB 2005
DRAWN BY	CRH	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
ABUTMENT NO. 1: MSE WALL CONCRETE PANEL PATTERN & TEXTURE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE	APPROVED CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	6-11	

WILSON & COMPANY

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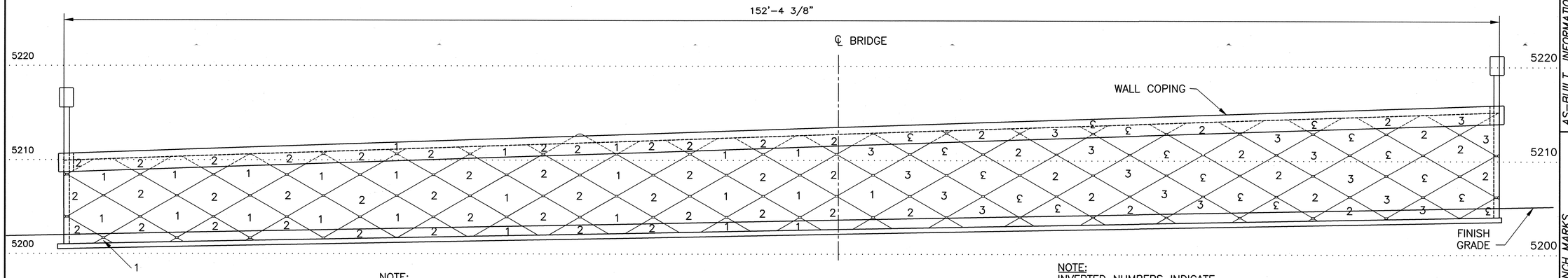
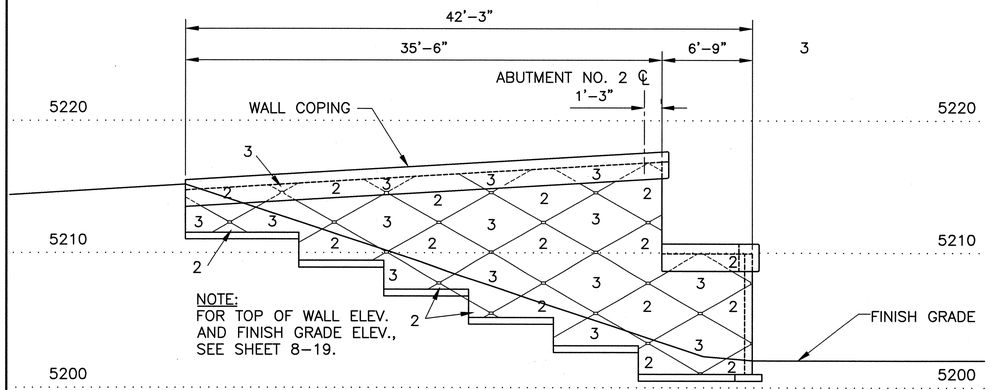


NOTE:
FOR TOP OF WALL ELEV. AND FINISH GRADE ELEV., SEE SHEET 8-19.

NOTE:
INVERTED NUMBERS INDICATE PANELS ARE UPSIDE DOWN.

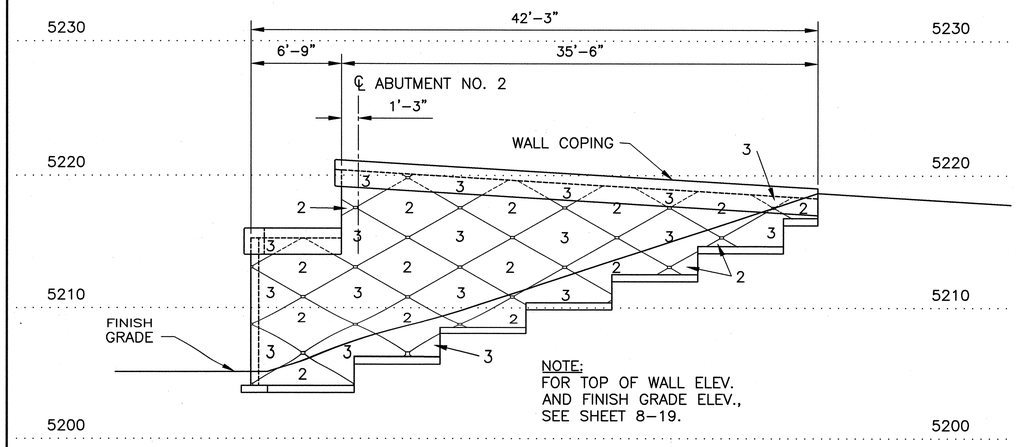
MSE FRONT WALL ELEVATION @ ABUTMENT NO. 2
SCALE 3/16" = 1'-0"

NOTE: TOP OF WALL = TOP OF COPING, (TYPICAL)



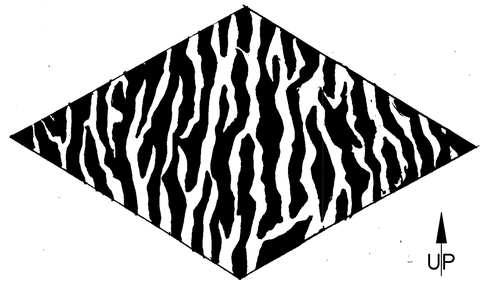
NOTE:
FOR TOP OF WALL ELEV. AND FINISH GRADE ELEV., SEE SHEET 8-19.

MSE NORTH WALL ELEVATION @ ABUTMENT NO. 2
SCALE 3/16" = 1'-0"

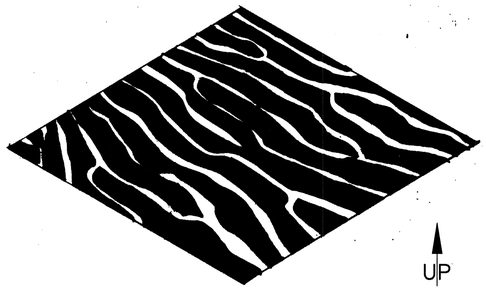


NOTE:
FOR TOP OF WALL ELEV. AND FINISH GRADE ELEV., SEE SHEET 8-19.

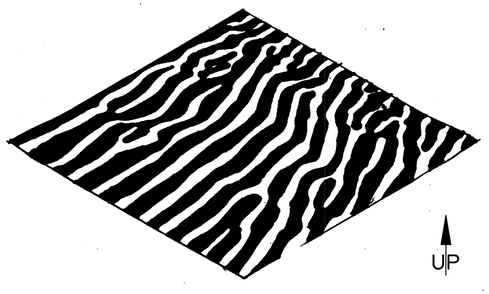
MSE SOUTH WALL ELEVATION @ ABUTMENT NO. 2
SCALE 3/16" = 1'-0"



PANEL 1 TEXTURE
NO SCALE



PANEL 2 TEXTURE
NO SCALE



PANEL 3 TEXTURE
NO SCALE

NOTE:
FOR TYPICAL PANEL DIMENSIONS SEE SHEET 8-17.

AS-BUILT INFORMATION
CONTRACTOR Sais Bros. DATE 1/08
WORK STAKED BY Sunrise
INSPECTIONS ACCEPTANCE BY DATE
AS-BUILTS VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson + Co DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED 'ACS 1-C11
1986' SET FLUSH IN THE LAVA OUTCROP, THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY CWK DATE FEB 2005
DRAWN BY CRH DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
ABUTMENT NO. 2: MSE WALL CONCRETE PANEL PATTERN & TEXTURE

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMM
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 6-12 Of

WILSON & COMPANY

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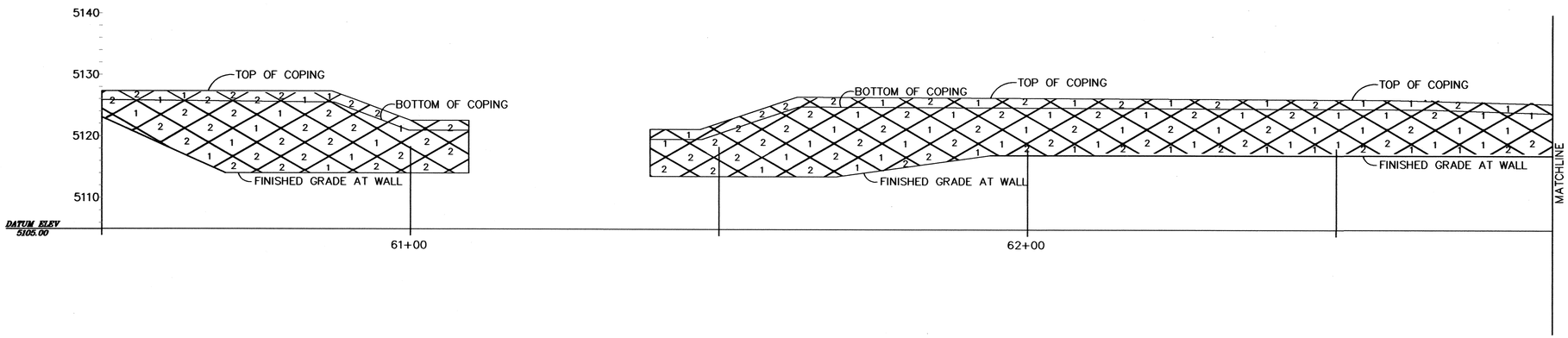
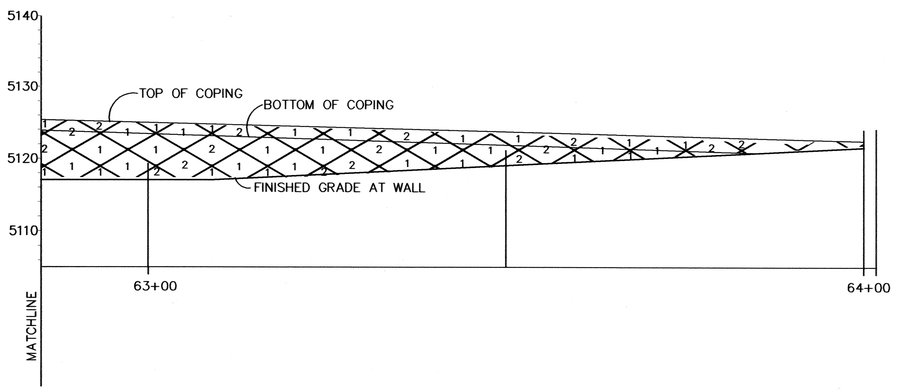




MSE PANEL LAYOUT

SEE SHEET 6-12
FOR PANEL TEXTURE

FOR DETAILED WALL LAYOUT
SEE WALL PLAN & PROFILE
IN PROJECT PLANS
FOR COA 704902.

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
HORIZONTAL SCALE: 1" = 20'
VERTICAL SCALE: 1" = 20'

CONTRACTOR INFORMATION ONLY

AS BUILT INFORMATION
CONTRACTOR Sails Bros. DATE 1/06
WORK INSPECTORS DATE
ACCEPTANCE BY Sam Tate DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson Co. DATE 1/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

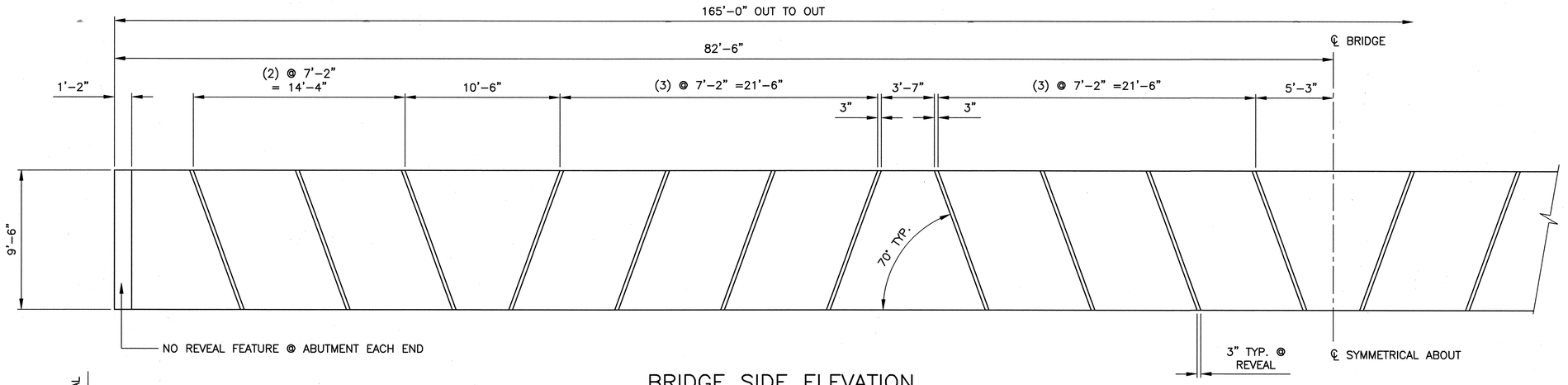
NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY: DBB	10/2004
		DRAWN BY: ST	10/2004
		CHECKED BY: DGB	10/2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
MSE WALL CONCRETE PANEL PATTERN

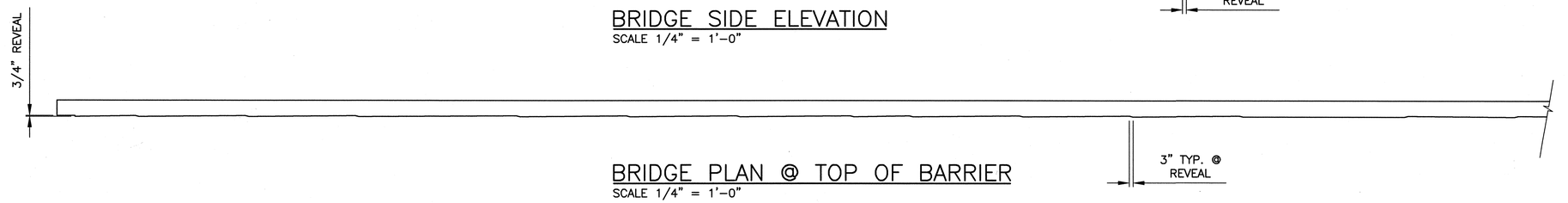
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL		MO./DAY/YR.	MO./DAY/YR.

City Project No.	Zone Map No.	Sheet
COA	C – 11	6-13



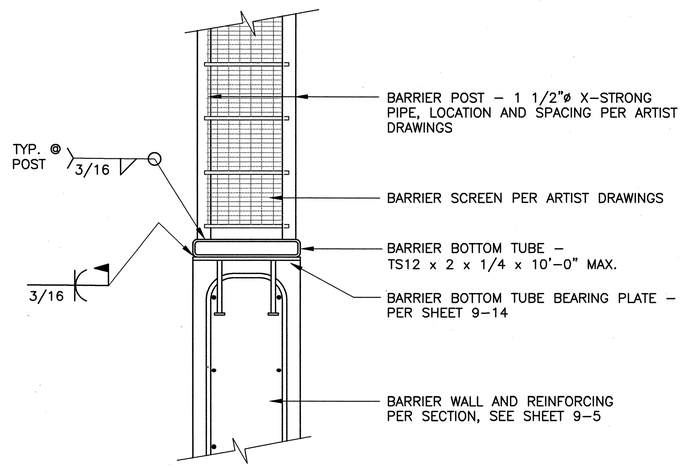
BRIDGE SIDE ELEVATION

SCALE 1/4" = 1'-0"



BRIDGE PLAN @ TOP OF BARRIER

SCALE 1/4" = 1'-0"



BARRIER FIELD CONNNECTION SECTION

SCALE 1 1/2" = 1'-0"

AS-BUILT INFORMATION

CONTRACTOR Salis Bros. DATE 1/08
WORK STAKED BY Survtel DATE
AS-BUILTS ACCEPTANCE BY DATE
FIELD VERIFICATIONS BY DATE
DRAWINGS CORRECTED BY Wilson & Co. DATE 1/08
RECORDED BY DATE

BENCH MARKS

THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

GARY W. KINCHEN
NEW MEXICO
14366
PROFESSIONAL ENGINEER
11-21-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	GWK	DATE OCT 13, 2004
DRAWN BY	CRH	DATE 2004
CHECKED BY	SFP	DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
ARTISTIC FORM REVEAL & BARRIER FIELD CONNECTION

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER

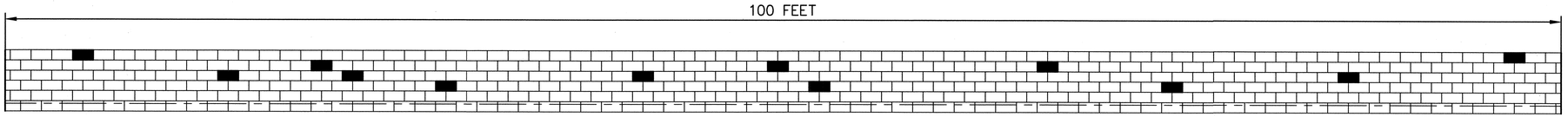
Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 6 Of 14

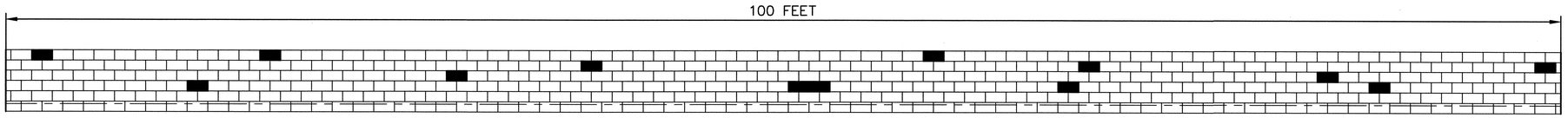
WILSON & COMPANY

X:\Public\PROJECTS\X3022\T\sect6\Sht 6-X3 Barrier screen @ Land Bridge details.dwg 11/21/2005 8:20:04 AM MST



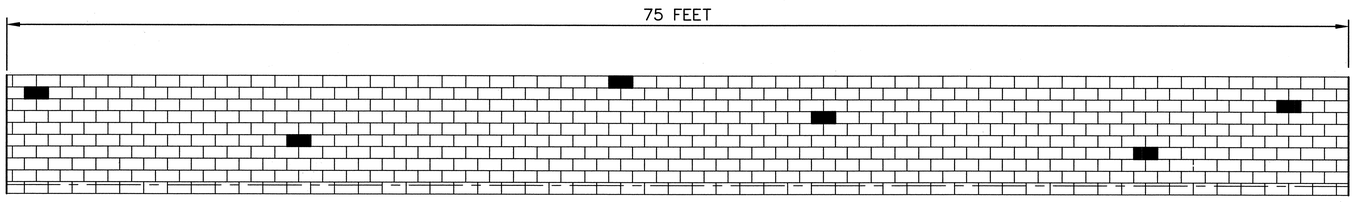
CMU RETAINING WALLS - PATTERN A

SCALE 1:40



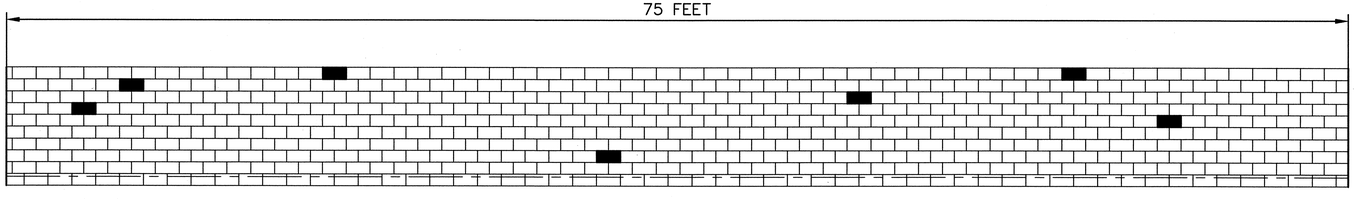
CMU RETAINING WALLS - PATTERN B

SCALE 1:40



CMU TIERED WALL - MIDDLE TIER PATTERN

SCALE 1:40



CMU TIERED WALL - BOTTOM TIER PATTERN

SCALE 1:40

NOTES:

1. SOLID COLORED BLOCKS REPRESENT BLOCKS TO BE STAINED BY THE ARTISTS. CONTRACTOR SHALL FOLLOW THESE PATTERNS FOR THE CMU RETAINING WALLS (PATTERNS A & B) AND THE CMU TIERED WALLS AS DIRECTED BY THE PROJECT MANAGER.

2. THE TOP TIER OF THE CMU TIERED WALL WILL NOT INCLUDE ANY STAINED BLOCKS.

3. SEE SHEET 6-10 FOR INFORMATION REGARDING COLORS, STAINING, AND DETAILS OF BLOCK TO BE STAINED.

AS-BUILT INFORMATION

CONTRACTOR Jaliis Bros. DATE 1/08

WORK STAKED BY: Surveyor DATE

INSPECTOR'S FIELD NOTES BY DATE

VERIFICATION BY DATE

CORRECTED BY Wilson+Co DATE 1/08

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

THE STA. IS A 3" ALUMINUM CAP STAMPED 'ACS 1-C11' 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY RP DATE FEB 2005

DRAWN BY STAFF DATE FEB 2005

CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
CMU WALL COLOR PATTERN DETAILS

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER

Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. COA 705002

Zone Map No. C-11

Sheet 6-15 Of

WILSON & COMPANY

Sheet Of

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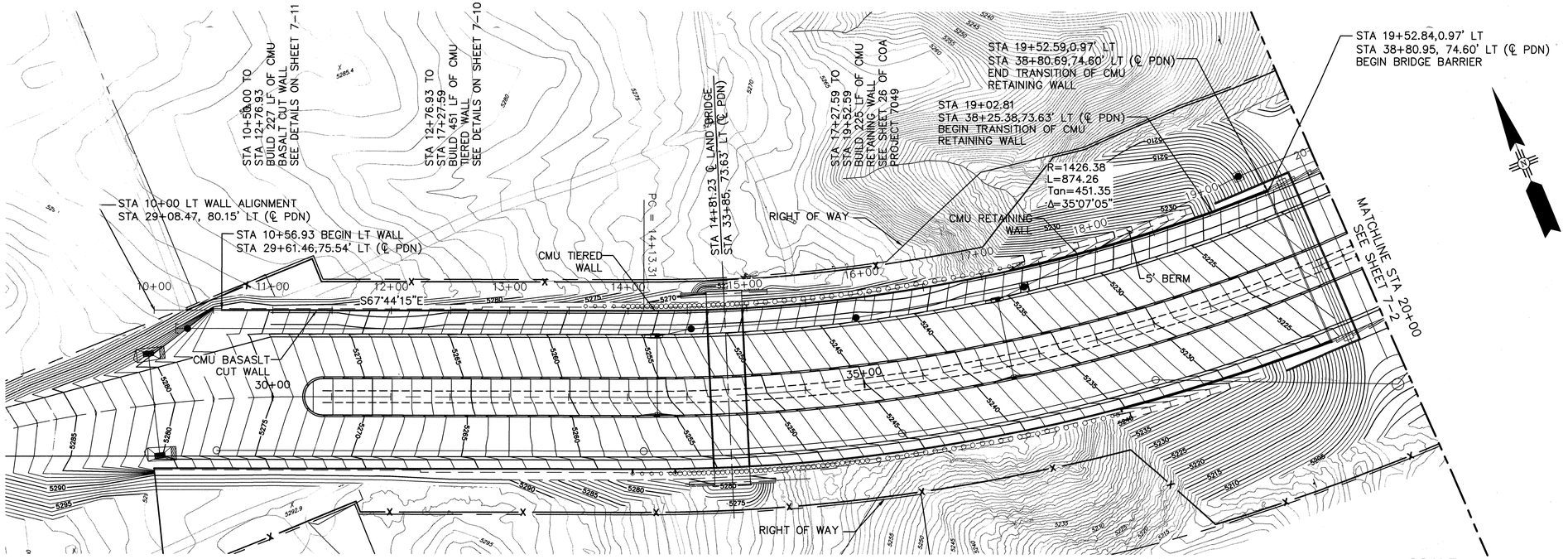
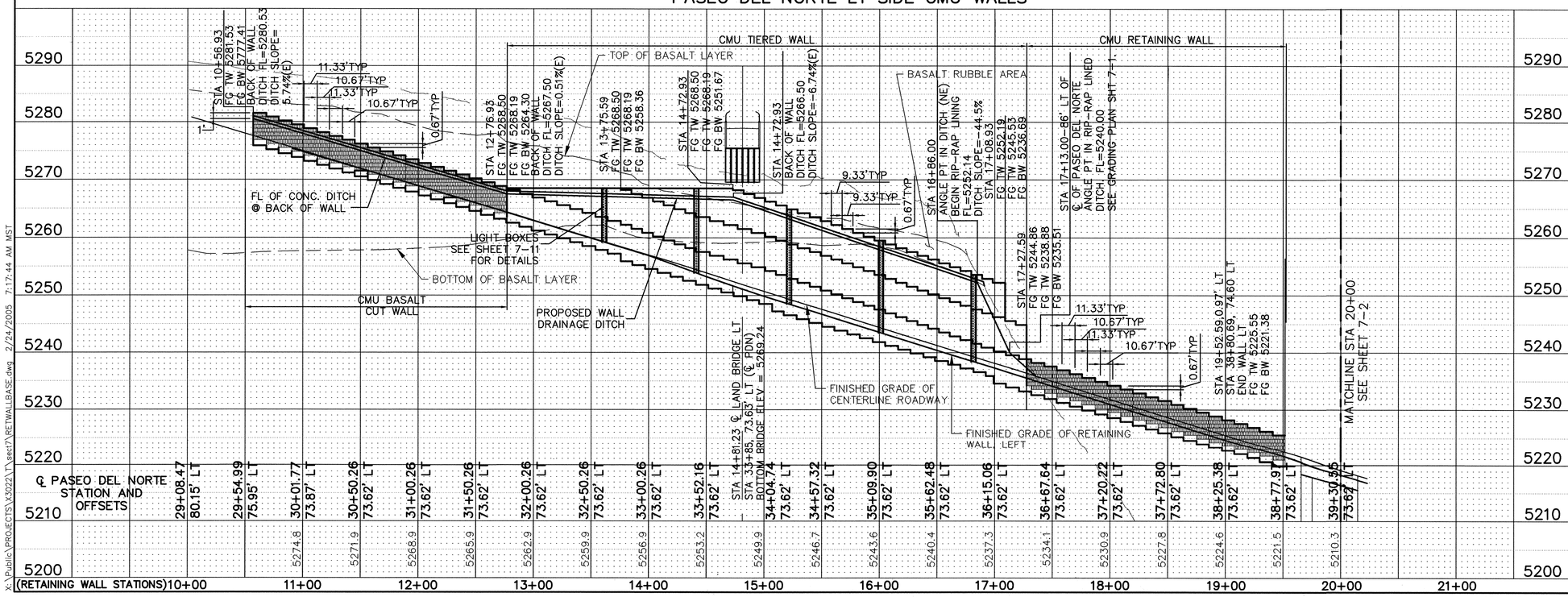


SCALE:
HORIZ: 1= 50
VERT: 1=10

PASEO DEL NORTE LT SIDE CMU WALLS



℄ PASEO DEL NORTE STATION AND OFFSETS	29+08.47 80.15' LT	29+54.99 75.95' LT	30+01.77 73.87' LT	30+50.26 73.62' LT	31+00.26 73.62' LT	31+50.26 73.62' LT	32+00.26 73.62' LT	32+50.26 73.62' LT	33+00.26 73.62' LT	33+52.16 73.62' LT	STA 14+81.23 ℄ LAND BRIDGE LT STA 33+85, 73.63' LT (℄ PDN) BOTTOM BRIDGE ELEV = 5269.24	34+04.74 73.62' LT	34+57.32 73.62' LT	35+09.90 73.62' LT	35+62.48 73.62' LT	36+15.06 73.62' LT	36+67.64 73.62' LT	37+20.22 73.62' LT	37+72.80 73.62' LT	38+25.38 73.62' LT	38+77.97 73.62' LT	39+30.55 73.62' LT
	5274.8		5271.9		5268.9		5265.9		5262.9		5259.9		5256.9		5253.2	5249.9		5246.7		5243.6		5240.4		5237.3		5234.1		5230.9		5227.8		5224.6		5221.5		5210.3
(RETAINING WALL STATIONS)	10+00		11+00		12+00		13+00		14+00			15+00		16+00			17+00		18+00		19+00		20+00		21+00										

WCEA #X3-210-022
2003

NOTE:
NORTH SIDE OF ROADWAY (STD C&G, MEDIAN C&G, AND ASPHALT CONCRETE PAVEMENT) TO BE CONSTRUCTED IN THE FUTURE. CONTRACTOR SHALL BUILD SUBGRADE UP TO FINISHED GRADE, I.E. TOP OF FUTURE PAVEMENT SECTION. PROPOSED STORM DRAIN (INLETS, PIPE AND MANHOLES), RETAINING WALLS, AND SAS TO BE CONSTRUCTED AS PER THEIR RESPECTIVE PLANS.

LIGHTBOX LOCATION – LT

LT-1: STA 13+61.26
LT-2: STA 14+41.26
LT-3: STA 15+21.59
LT-4: STA 16+01.26
LT-5: STA 16+81.59

NOTE:
CONTRACTOR SHALL COORDINATE THE LOCATION AND PLACEMENT OF ELECTRICAL CONDUIT FOR THE LIGHT BOXES AT THE CMU TIERED WALLS & CMU BASALT CUT WALLS WITH THE PROJECT ENGINEER PRIOR TO BEGINNING WORK ON THE LIGHT BOXES OR WALLS.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
THE STA. IS A 3¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR. THE STA. IS N.E. OF
ELEVATION = 5275.14 FT. (2ND ORDER- 1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION
CONTRACTOR Sails Bros. Surveyors DATE 1/08
WORK STAKED BY
INSPECTORS ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS COMPILED BY Wilson & Co. DATE 1/08
RECORD DRAWING BY MICRO-FILM INFORMATION DATE
NO.

ENGINEER'S SEAL
CARLOS A. ORTIZ NEW MEXICO 16026 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY SGG DATE FEB 2005
DRAWN BY STAFF DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
LEFT CONCRETE MASONRY WALLS PLAN & PROFILE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE	APPROVED NOV 21 2005 CITY ENGINEER			

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 7-1 | Of

WILSON & COMPANY

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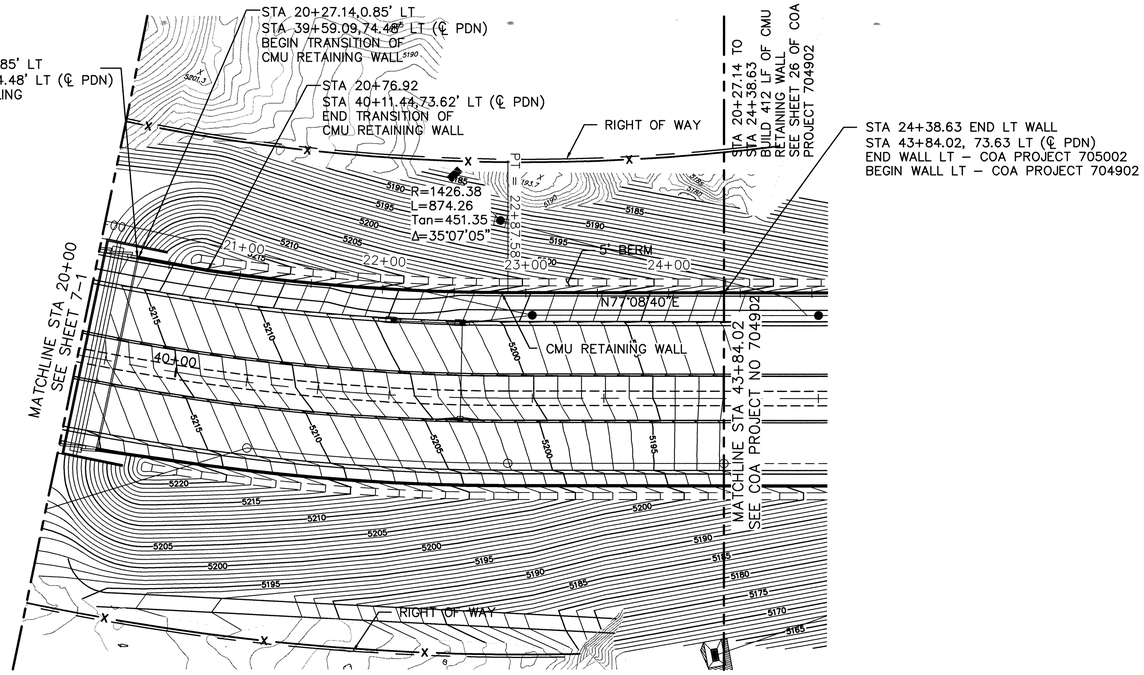
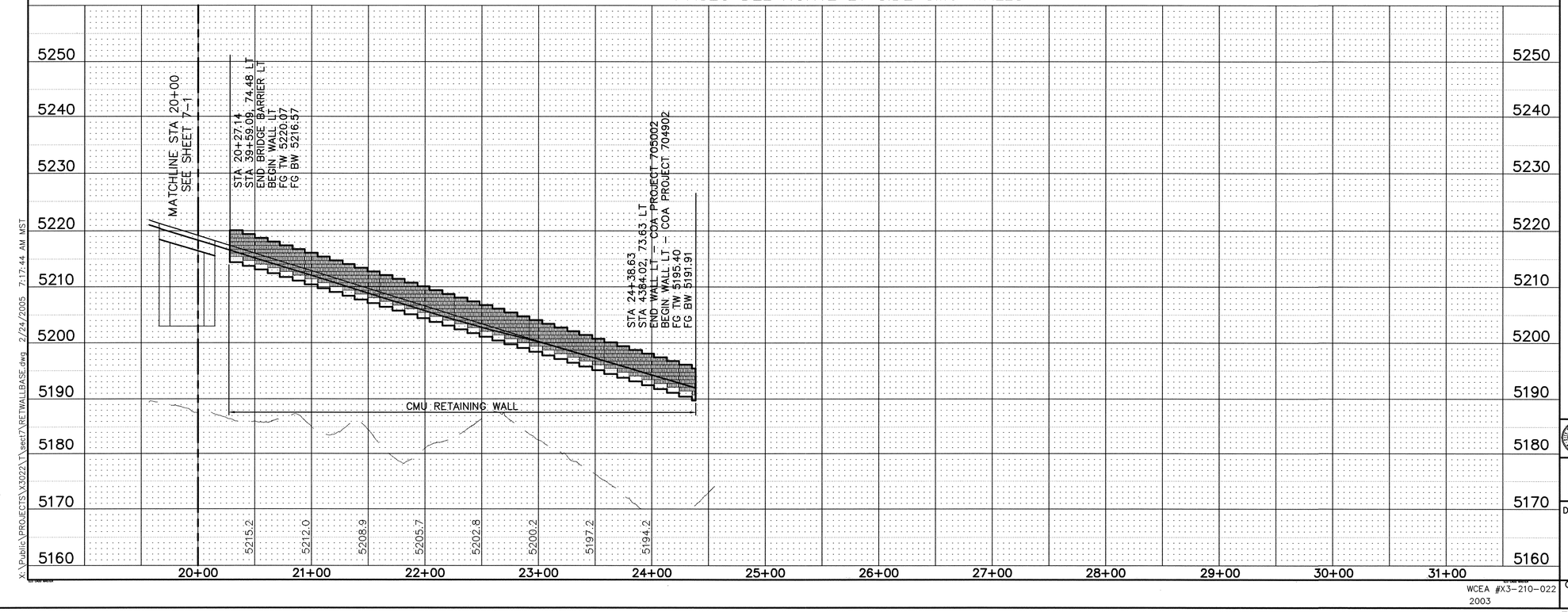


NOTE:
NORTH SIDE OF ROADWAY (STD C&G, MEDIAN C&G, AND ASPHALT CONCRETE PAVEMENT) TO BE CONSTRUCTED IN THE FUTURE. CONTRACTOR SHALL BUILD SUBGRADE UP TO FINISHED GRADE, I.E. TOP OF FUTURE PAVEMENT SECTION. PROPOSED STORM DRAIN (INLETS, PIPE AND MANHOLES), RETAINING WALLS, AND SAS TO BE CONSTRUCTED AS PER THEIR RESPECTIVE PLANS.

SCALE:
HORIZ: 1= 50
VERT: 1=10

PASEO DEL NORTE LT SIDE CMU WALLS



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WCEA #X3-210-022
2003

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION
CONTRACTOR Salas Bros. DATE 1/08
WORK STAKED BY Sunrise DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS & Wilson + Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
SANTIAGO VINUESA (16080) REGISTERED PROFESSIONAL ENGINEER
9-21-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY SGG DATE FEB 2005
DRAWN BY STAFF DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

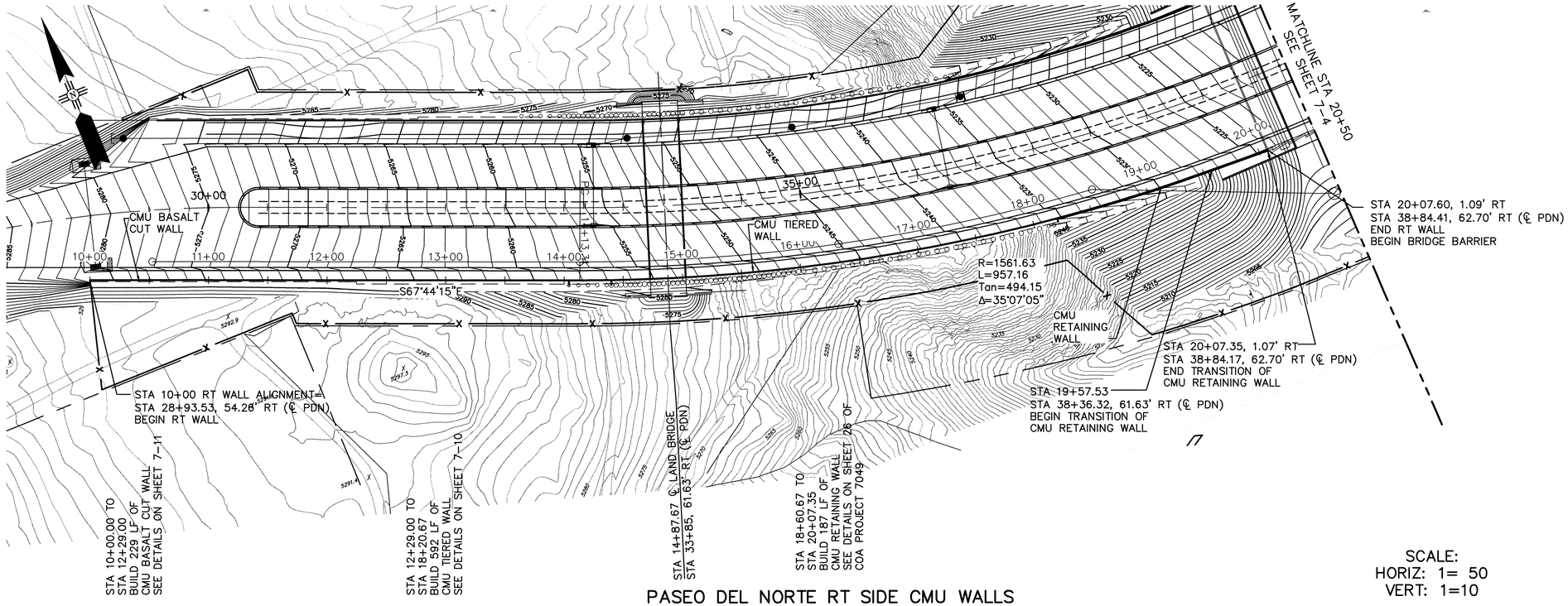
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
LEFT CONCRETE MASONRY WALLS PLAN & PROFILE

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

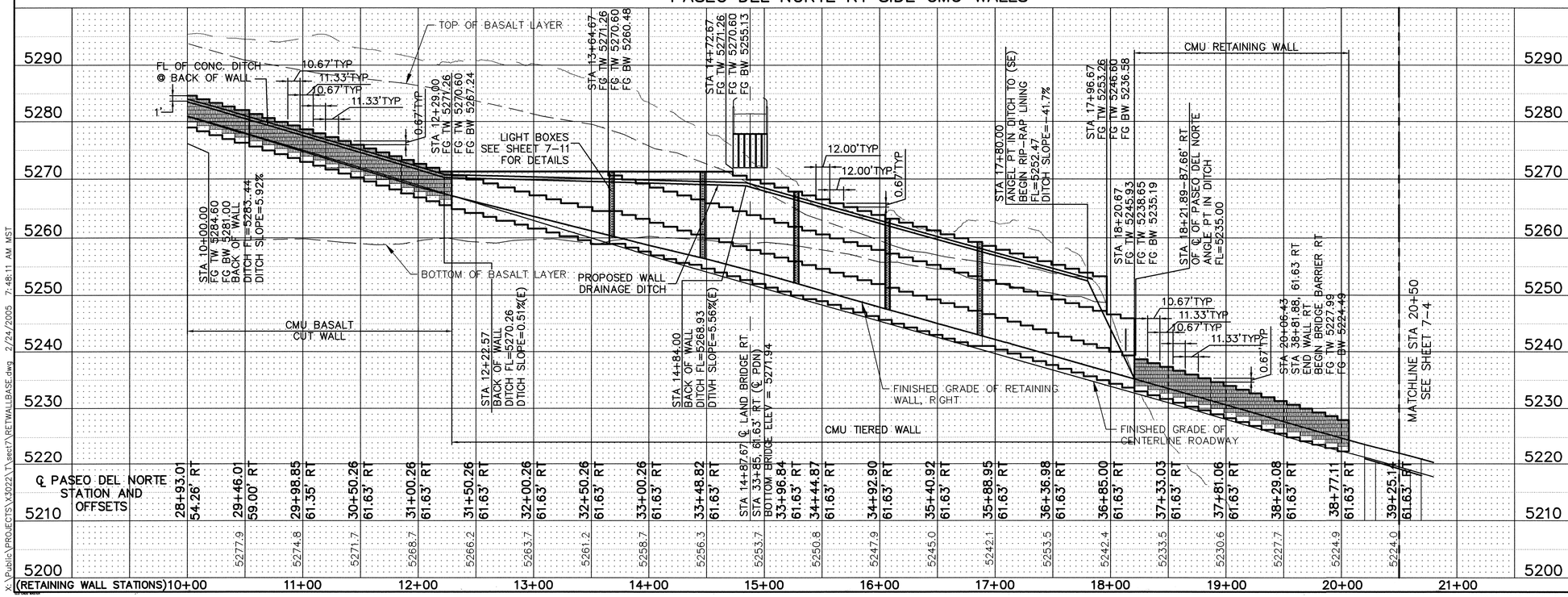
City Project No. COA 705002
Zone Map No. C-11
Sheet 7-2 Of

WILSON & COMPANY



PASEO DEL NORTE RT SIDE CMU WALLS

SCALE:
HORIZ: 1= 50
VERT: 1=10



NOTE:
NORTH SIDE OF ROADWAY (STD C&G, MEDIAN C&G, AND ASPHALT CONCRETE PAVEMENT) TO BE CONSTRUCTED IN THE FUTURE. CONTRACTOR SHALL BUILD SUBGRADE UP TO FINISHED GRADE, I.E. TOP OF FUTURE PAVEMENT SECTION. PROPOSED STORM DRAIN (INLETS, PIPE AND MANHOLES), RETAINING WALLS, AND SAS TO BE CONSTRUCTED AS PER THEIR RESPECTIVE PLANS.

LIGHTBOX LOCATION – RT

RT-1: STA 13+67.67
RT-2: STA 14+46.67
RT-3: STA 15+27.67
RT-4: STA 16+06.67
RT-5: STA 16+86.67

NOTE:
CONTRACTOR SHALL COORDINATE THE LOCATION AND PLACEMENT OF ELECTRICAL CONDUIT FOR THE LIGHT BOXES AT THE CMU TIERED WALLS & CMU BASALT CUT WALLS WITH THE PROJECT ENGINEER PRIOR TO BEGINNING WORK ON THE LIGHT BOXES OR WALLS.

AS-BUILT INFORMATION
CONTRACTOR Sais Bros. DATE 1/08
WORK STAKED BY Sunrise
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS COMPILED BY Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
STATE OF NEW MEXICO
CRAIG S. GUSTAFSON
16050
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY SGG DATE FEB 2005
DRAWN BY STAFF DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
RIGHT CONCRETE MASONRY WALLS PLAN & PROFILE

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 7-3 Of

WCEA #X3-210-022
2003

WILSON & COMPANY

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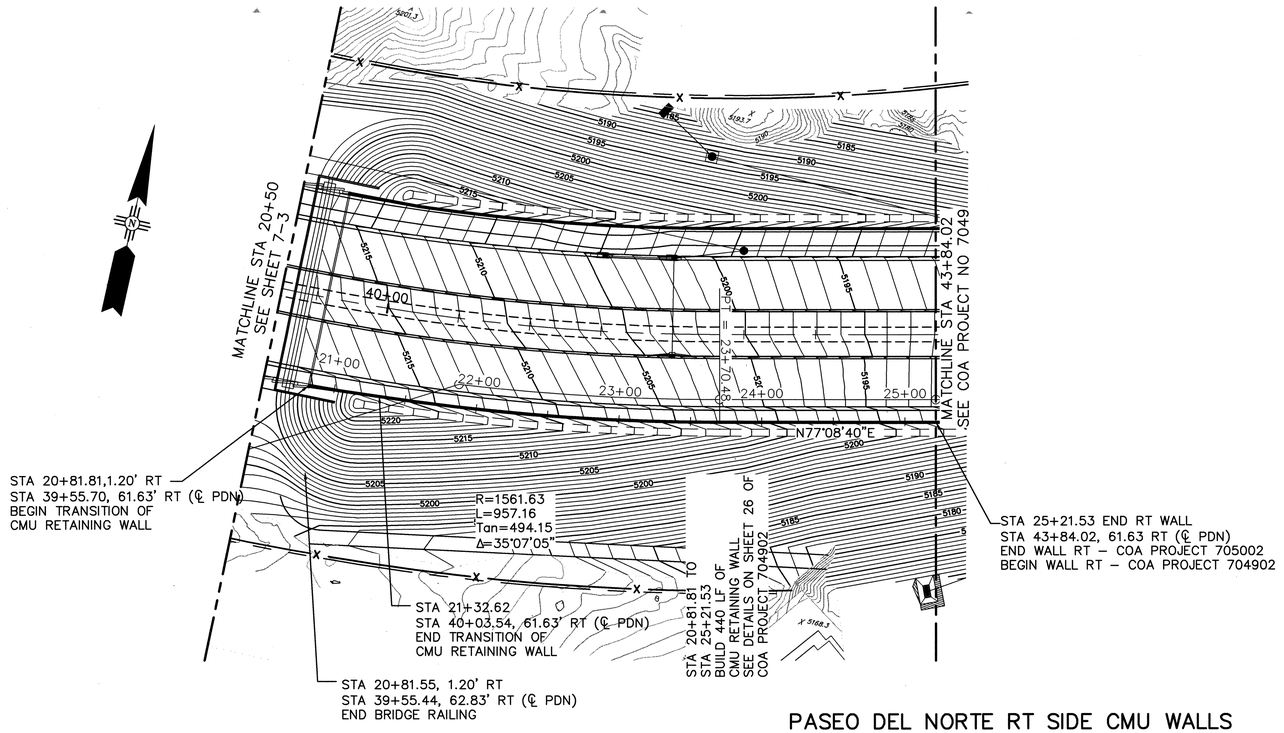
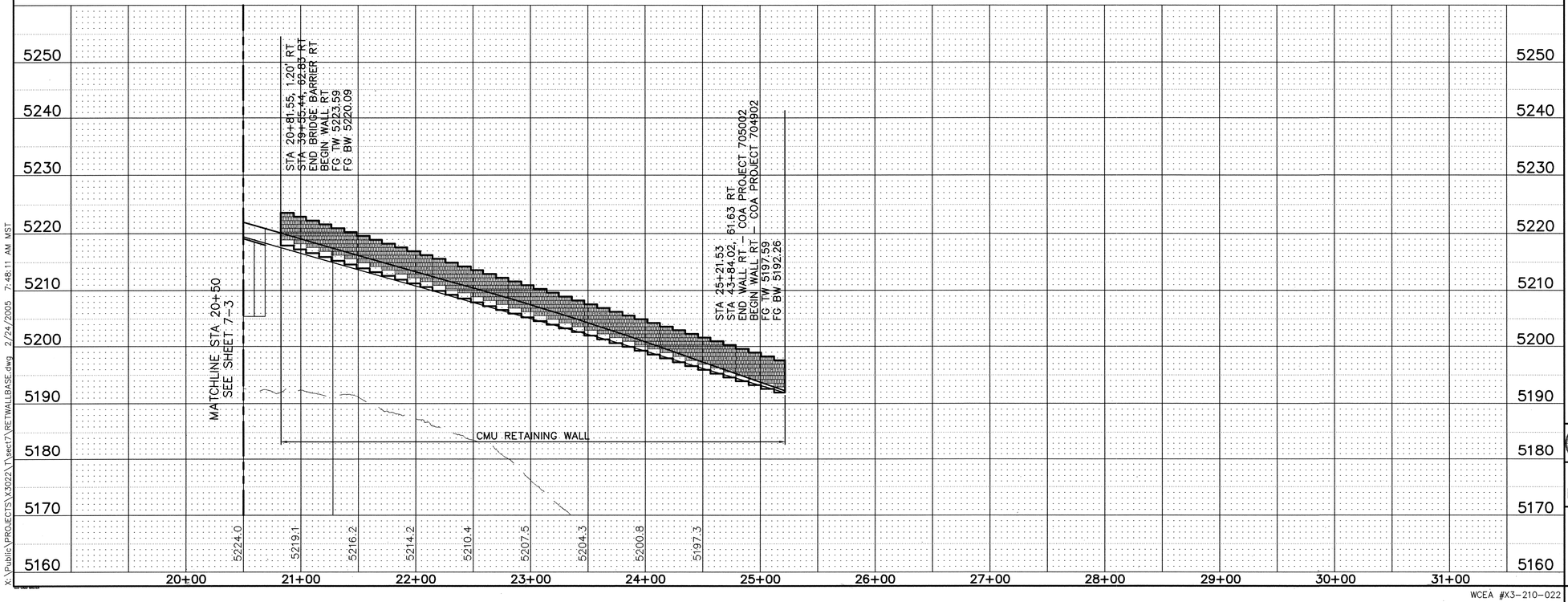


PASEO DEL NORTE RT SIDE CMU WALLS

SCALE:
HORIZ: 1= 50
VERT: 1=10



NOTE:
NORTH SIDE OF ROADWAY (STD C&G, MEDIAN C&G, AND ASPHALT CONCRETE PAVEMENT) TO BE CONSTRUCTED IN THE FUTURE. CONTRACTOR SHALL BUILD SUBGRADE UP TO FINISHED GRADE, I.E. TOP OF FUTURE PAVEMENT SECTION. PROPOSED STORM DRAIN (INLETS, PIPE AND MANHOLES), RETAINING WALLS, AND SAS TO BE CONSTRUCTED AS PER THEIR RESPECTIVE PLANS.

AS-BUILT INFORMATION
CONTRACTOR Sails Bros. DATE 1/08
WORK STAKED BY: Sunrise DATE
INSPECTOR'S ACCEPTANCE BY DATE
AS-BUILT VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
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SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
STEVEN A. GROSS 16020 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY SGG DATE FEB 2005
DRAWN BY STAFF DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
RIGHT CONCRETE MASONRY WALLS PLAN & PROFILE

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.
City Project No. COA 705002
Zone Map No. C-11
Sheet 7-4 Of

WCEA #X3-210-022
2003

WILSON & COMPANY

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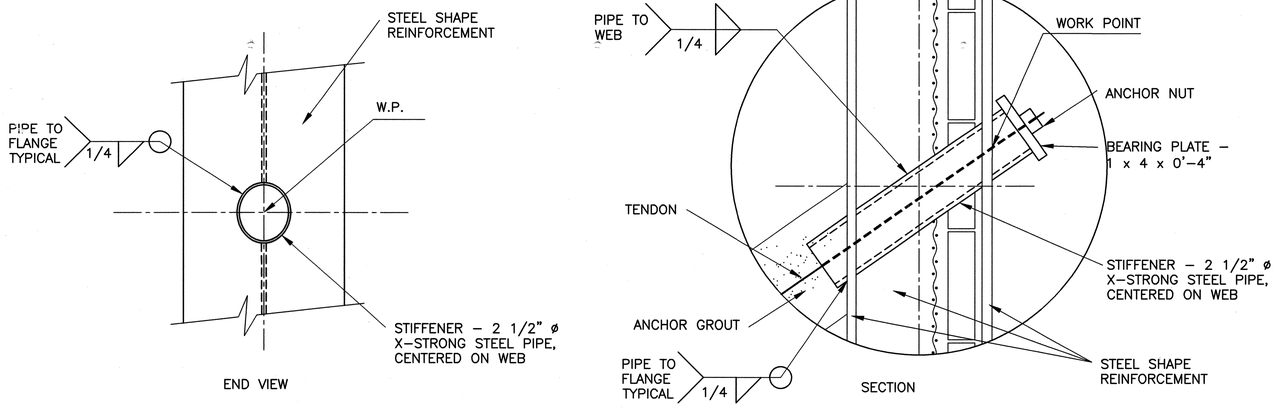


DETAIL "A"
NO SCALE

DESIGN DATA:

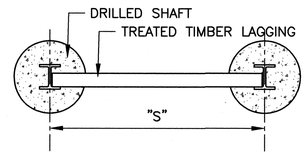
REINFORCED CONCRETE:
DRILLED SHAFTS: f'c = 4000 psi (28 DAYS)

REINFORCEMENT: fy = 60,000 psi (GRADE 60)

TENDONS: fy = 150 ksi (MINIMUM)

SEISMIC ACCELERATION COEFFICIENT = 0.18.

WIND VELOCITY: 75 MPH



NOTE: S = CENTER TO CENTER SHAFT SPACING.

PILE SPACING DETAIL
NO SCALE

GENERAL NOTES FOR SOLDIER PILE WALL

1. DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH (2002) EDITION W/CURRENT INTERIMS.
2. CONSTRUCTION SPECIFICATIONS: CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 WITH UPDATES; AND SUPPLEMENTAL TECHNICAL SPECIFICATIONS.
3. DRILL-HOLE INFORMATION: THE CITY IS NOT RESPONSIBLE FOR THE CONTRACTOR'S INTERPRETATIONS OR ASSUMPTIONS BASED ON DRILL-HOLE INFORMATION SHOWN.
4. STEEL SHAPE REINFORCEMENT: HP 14x117, AASHTO M 270, GRADE 50 AT ALL LOCATIONS.
5. ANCHOR TENDONS: USE ASTM A775, EPOXY COATED STEEL REINFORCING BARS ONLY. TENDONS FABRICATED USING STEEL STRAND ARE NOT ALLOWED. SEE SUPPLEMENTAL TECHNICAL SPECIFICATION 562. SEE TABLE ON SHEET 7-6 FOR GROUND ANCHOR DESIGN DATA.
6. REINFORCING BARS: USE ASTM A615, GRADE 60 BARS UNLESS NOTED OTHERWISE. DIMENSIONS SHOWN REFER TO THE CENTERLINE OF BARS UNLESS NOTED OTHERWISE.
7. TIMBER LAGGING: DIMENSIONS SHOWN ARE BASED ON ROUGH-CUT BOARDS.

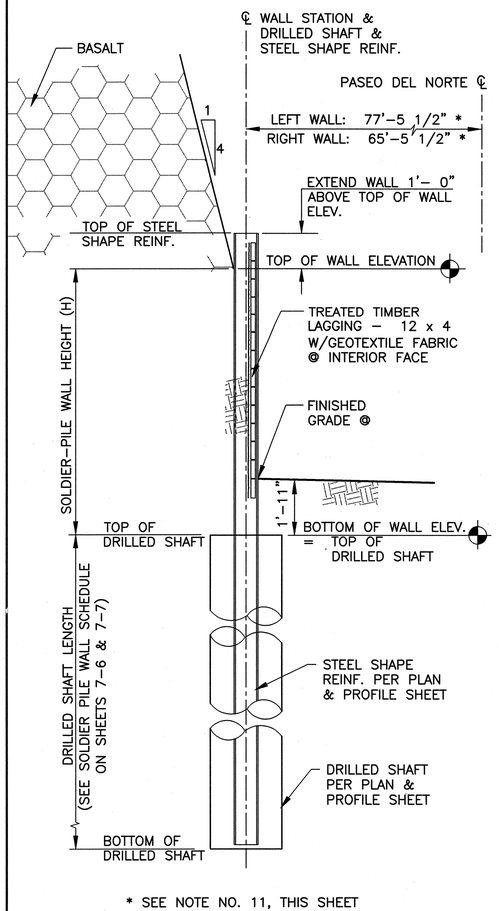
   SEE SUPPLEMENTAL TECHNICAL SPECIFICATIONS FOR ADDITIONAL MATERIALS REQUIREMENTS.
8. DRILLED SHAFT FOUNDATION: CONSTRUCT PER SUPPLEMENTAL TECHNICAL SPECIFICATION SECTION 561.
9. ANCHOR DIAMETER SHALL BE SUFFICIENT TO ALLOW FOR THE TENDON DIAMETER AND 1/2" GROUT COVERAGE OR BE 4", WHICHEVER IS GREATER.
10. FLOWABLE FILL MAY BE USED TO FILL DRILL HOLES ABOVE TOP OF DRILLED SHAFT ELEVATION, DURING SHAFT CONSTRUCTION. REMOVE FLOWABLE FILL IN FRONT OF SOLDIER PILES & SUFFICIENT AMOUNTS BEHIND TO ALLOW FORM LAGGING INSTALLATION. CONSTRUCT FLOWABLE FILL PER SUPPLEMENTAL TECHNICAL SPECIFICATION SECTION 556.
11. WALL OFFSETS AT BRIDGE: IN VICINITY OF THE 33+85.00 BRIDGE, OFFSET DISTANCES FROM ℄ PASEO DEL NORTE TO ℄ SOLDIER-PILE WALL ARE AS FOLLOWS:

    LEFT WALL, PILES 22L–31L: 76'–10"
    RIGHT WALL, PILES 14R–22R: 64'–10"

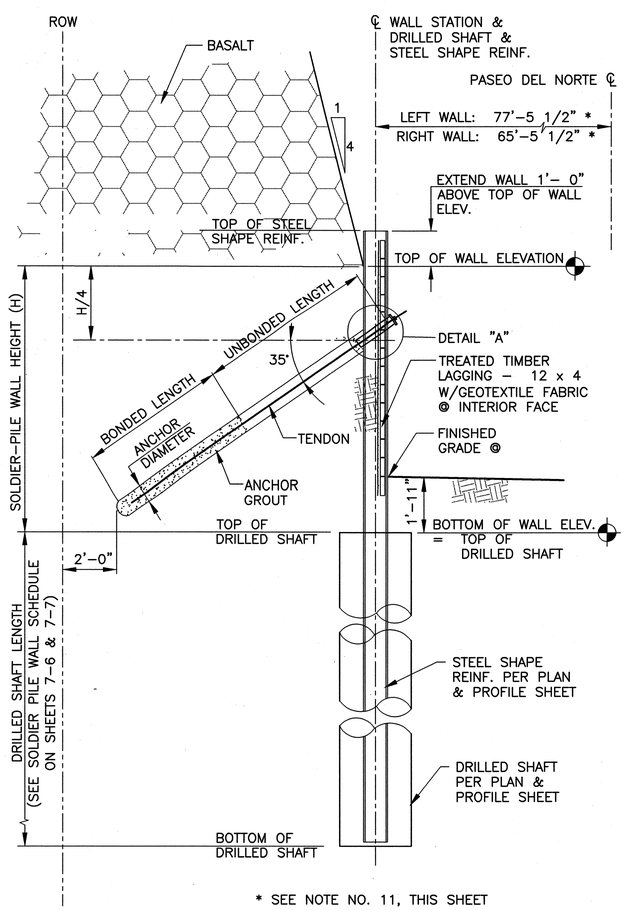
    USE A TRANSITION LENGTH OF TWO (2) PILE SPACINGS BETWEEN TYPICAL OFFSETS SHOWN IN SECTIONS 1 AND 2, AND OFFSETS GIVEN ABOVE AT BRIDGE.
12. PAYMENT: THE ITEM "CONCRETE DRILLED SHAFT SOLDIER PILE RETAINING WALL" IS PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT OF EXPOSED WALL AREA FROM GROUND ELEVATION TO TOP OF WALL ELEVATION. PAYMENT INCLUDES ALL ASSOCIATED WORK REQUIRED TO COMPLETE THE WALL CONSTRUCTION. TIEDBACKS ARE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH.
13. REFER TO SHEETS 7-6 AND 7-7 FOR WALL GEOMETRY.

SUPPLEMENTAL TECHNICAL SPECIFICATIONS

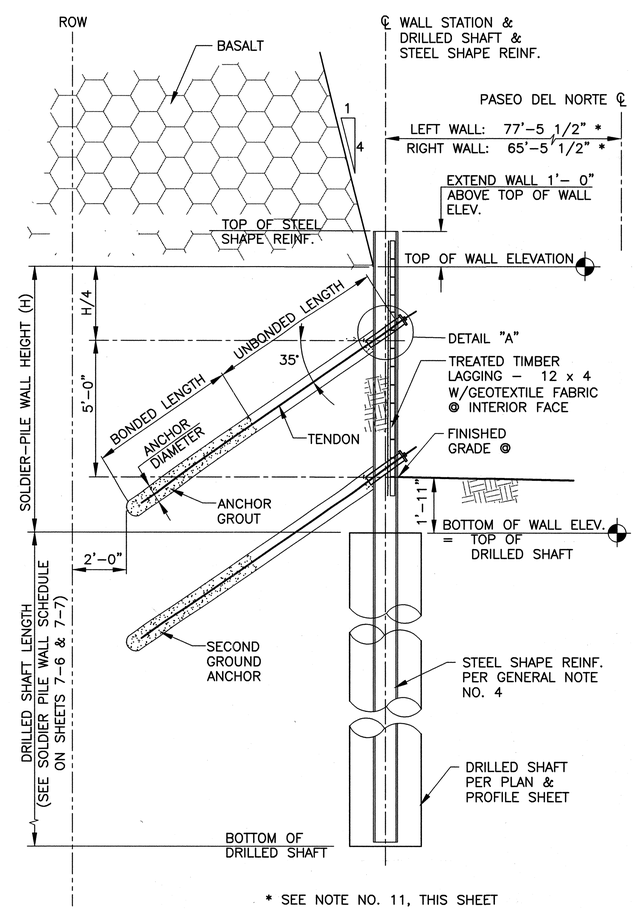
SECTION ~~556~~ 541 FLOWABLE FILL
SECTION 561 – CONCRETE DRILLED SHAFT SOLDIER-PILE RETAINING WALL
SECTION 562 – GROUND ANCHORS
SECTION 563 – GEOTEXTILES



1/7-7 SECTION – SOLDIER PILE WALL
NO SCALE



2/7-7 SECTION – SOLDIER PILE WALL + GROUND ANCHOR
NO SCALE



3/7-7 SECTION – SOLDIER PILE WALL + GROUND ANCHOR
NO SCALE

AS-BUILT INFORMATION
CONTRACTOR Soils Bore DATE 1/08
WORK STAKED BY Survtel DATE
INSPECTOR'S FIELD NOTES BY DATE
ELEVATIONS BY DATE
DRAWINGS CORRECTED BY Wilson + Co. DATE 1/08
RECORDED BY MICRO-FILM INFORMATION DATE
NO.

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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN
NEW MEXICO
14366
REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
RETAINING WALLS
SOLDIER PILE WALL

Design Review Committee: APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 15 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C-11
Sheet 7-5 Of

WILSON & COMPANY

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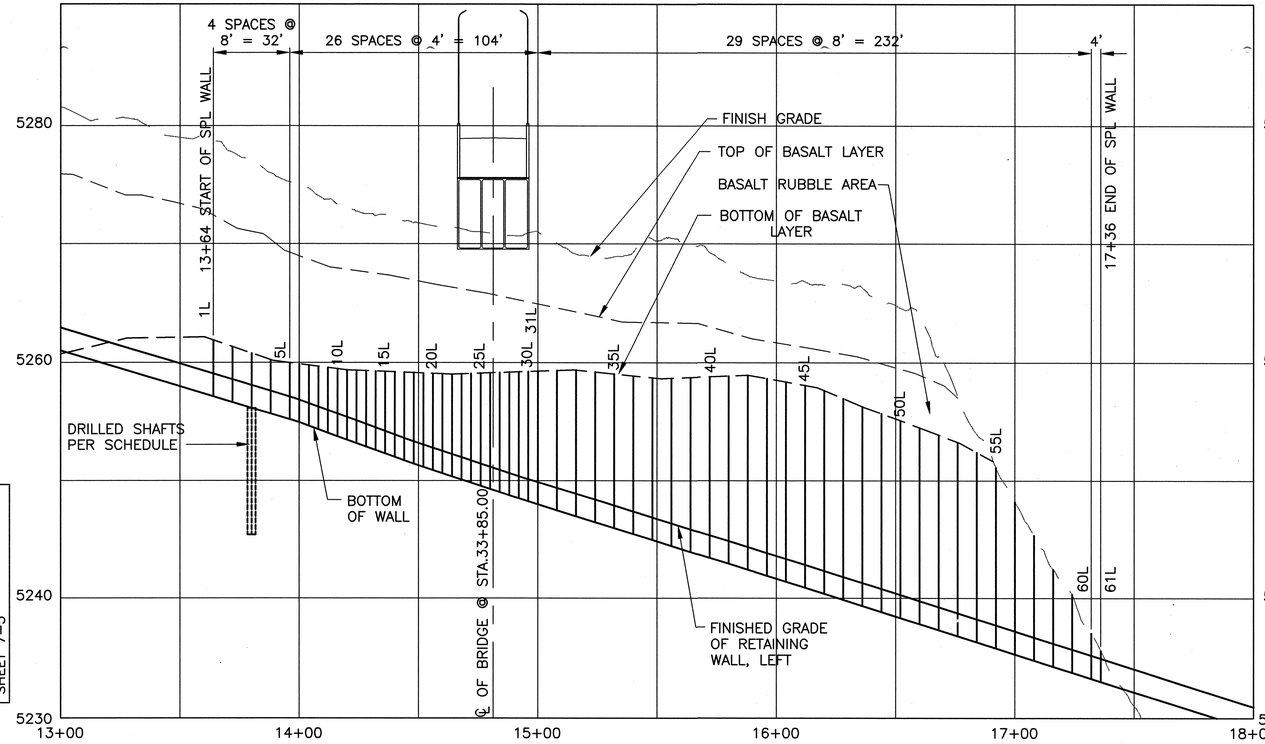
LEFT SOLDIER–PILE WALL SCHEDULE

SOLDIER-PILE NO.	WALL STATION	TOW ELEV. (FT)	BOW ELEV. (FT)	WALL HEIGHT (FT)	DRILLED SHAFT DIA. (IN)	DR. SHAFT LENGTH (FT)	TIEBACK DATA				
							UNBONDED LENGTH (FT)	BONDED LENGTH (FT)	TOTAL LENGTH (FT)	DESIGN LOAD (K)	DESIGN DEFL (IN)
1 L	13 + 64.00	5261.89	5257.15	4.7	36	18.0	NOT REQUIRED				
2 L	13 + 72.00	5261.34	5256.67	4.7	36	18.0					
3 L	13 + 80.00	5260.78	5256.18	4.6	36	18.0					
4 L	13 + 88.00	5260.23	5255.70	4.5	36	18.0					
5 L	13 + 96.00	5259.99	5255.21	4.8	36	18.0					
6 L	14 + 0.00	5259.89	5254.96	4.9	48	26.0					
7 L	14 + 4.00	5259.79	5254.67	5.1	48	26.0					
8 L	14 + 8.00	5259.69	5254.37	5.3	48	26.0					
9 L	14 + 12.00	5259.58	5254.08	5.5	48	26.0					
10 L	14 + 16.00	5259.48	5253.79	5.7	48	26.0					
11 L	14 + 20.00	5259.38	5253.49	5.9	48	26.0					
12 L	14 + 24.00	5259.34	5253.20	6.1	48	26.0					
13 L	14 + 28.00	5259.31	5252.91	6.4	48	26.0					
14 L	14 + 32.00	5259.28	5252.62	6.7	48	26.0					
15 L	14 + 36.00	5259.25	5252.32	6.9	48	26.0					
16 L	14 + 40.00	5259.22	5252.03	7.2	48	26.0					
17 L	14 + 44.00	5259.18	5251.74	7.4	48	26.0					
18 L	14 + 48.00	5259.15	5251.45	7.7	48	26.0					
19 L	14 + 52.00	5259.12	5251.18	7.9	48	26.0					
20 L	14 + 56.00	5259.09	5250.90	8.2	48	26.0					
21 L	14 + 60.00	5259.06	5250.63	8.4	48	19.0	10.0	15.0	25.0	248	1/2"
22 L	14 + 64.00	5259.03	5250.36	8.7	48	19.0	10.0	15.0	25.0	248	1/2"
23 L	14 + 68.00	5259.05	5250.09	9.0	48	19.0	10.0	15.0	25.0	248	1/2"
24 L	14 + 72.00	5259.08	5249.82	9.3	48	19.0	10.0	15.0	25.0	248	1/2"
25 L	14 + 76.00	5259.11	5249.55	9.6	48	19.0	10.0	15.0	25.0	248	1/2"
26 L	14 + 80.00	5259.14	5249.28	9.9	48	19.0	10.0	15.0	25.0	248	1/2"
27 L	14 + 84.00	5259.17	5249.01	10.2	48	19.0	10.0	15.0	25.0	248	1/2"
28 L	14 + 88.00	5259.20	5248.74	10.5	48	19.0	10.0	15.0	25.0	248	1/2"
29 L	14 + 92.00	5259.22	5248.47	10.8	48	19.0	10.0	15.0	25.0	248	1/2"
30 L	14 + 96.00	5259.25	5248.21	11.0	48	19.0	10.0	15.0	25.0	248	1/2"
31 L	15 + 0.00	5259.28	5247.95	11.3	48	19.0	10.0	15.0	25.0	248	1/2"
32 L	15 + 8.00	5259.34	5247.45	11.9	48	15.0	10.0	15.0	25.0	149	1/2"
33 L	15 + 16.00	5259.38	5246.95	12.4	48	15.0	10.0	15.0	25.0	149	1/2"
34 L	15 + 24.00	5259.21	5246.44	12.8	48	15.0	10.0	15.0	25.0	149	1/2"
35 L	15 + 32.00	5259.05	5245.94	13.1	48	15.0	10.0	15.0	25.0	149	1/2"
36 L	15 + 40.00	5258.89	5245.43	13.5	48	15.0	10.0	15.0	25.0	149	1/2"
37 L	15 + 48.00	5258.72	5244.93	13.8	48	15.0	10.0	15.0	25.0	149	1/2"
38 L	15 + 56.00	5258.68	5244.42	14.3	48	15.0	10.0	15.0	25.0	149	1/2"
39 L	15 + 64.00	5258.75	5243.91	14.8	48	18.0	10.0	15.0	25.0	149	1/2"
40 L	15 + 72.00	5258.81	5243.41	15.4	48	18.0	13.0	15.0	28.0	149	1/2"
41 L	15 + 80.00	5258.88	5242.91	16.0	48	18.0	13.0	15.0	28.0	149	1/2"
42 L	15 + 88.00	5258.94	5242.41	16.5	48	18.0	13.0	15.0	28.0	149	1/2"
43 L	15 + 96.00	5258.66	5241.90	16.8	48	18.0	13.0	15.0	28.0	149	1/2"
44 L	16 + 4.00	5258.38	5241.40	17.0	48	18.0	13.0	15.0	28.0	149	1/2"
45 L	16 + 12.00	5258.09	5240.89	17.2	48	18.0	13.0	15.0	28.0	149	1/2"
46 L	16 + 20.00	5257.66	5240.39	17.3	48	18.0	13.0	15.0	28.0	149	1/2"
47 L	16 + 28.00	5256.98	5239.88	17.1	48	18.0	13.0	15.0	28.0	149	1/2"
48 L	16 + 36.00	5256.31	5239.37	16.9	48	18.0	12.0	15.0	27.0	149	1/2"
49 L	16 + 44.00	5255.71	5238.87	16.8	48	18.0	12.0	15.0	27.0	149	1/2"
50 L	16 + 52.00	5255.11	5238.36	16.8	48	18.0	12.0	15.0	27.0	149	1/2"
51 L	16 + 60.00	5254.52	5237.86	16.7	48	18.0	12.0	15.0	27.0	149	1/2"
52 L	16 + 68.00	5253.91	5237.36	16.6	48	18.0	12.0	15.0	27.0	149	1/2"
53 L	16 + 76.00	5253.29	5236.86	16.4	48	18.0	12.0	15.0	27.0	149	1/2"
54 L	16 + 84.00	5252.43	5236.35	16.1	48	18.0	12.0	15.0	27.0	149	1/2"
55 L	16 + 92.00	5251.14	5235.85	15.3	48	18.0	12.0	15.0	27.0	149	1/2"
56 L	17 + 0.00	5248.15	5235.29	12.9	48	23.0	NOT REQUIRED				
57 L	17 + 8.00	5245.32	5234.83	10.5	48	23.0					
58 L	17 + 16.00	5242.42	5234.32	8.1	36	14.0					
59 L	17 + 24.00	5240.32	5233.82	6.5	36	14.0					
60 L	17 + 32.00	5237.09	5233.32	3.8	36	7.0					
61 L	17 + 36.00	5235.64	5233.07	2.6	36	7.0					

DOUBLE ROW OF ANCHORS REQUIRED – SEE SECTION 3, SHEET 7–5



SOLDIER PILE WALL ELEVATION – LEFT PROFILE

SCALE 1:30

NOTE: STATIONS ARE ALONG LEFT WALL ALIGNMENT. SEE PLAN AND PROFILE SHEETS 7–1 TO 7–4 FOR LOCATION. SEE GENERAL NOTE NO. 11 ON SHEET 7–5 FOR DEVIATION FROM WALL PROFILE AT PILES 22L–31L.

NOTES:

1. TOW = TOP OF WALL
   BOW = BOTTOM OF WALL

   SEE WALL SECTIONS ON SHEET 7–5 FOR TOW AND BOW LOCATIONS.

2. SEE GENERAL NOTE NO. 11 ON SHEET 7–5 FOR DEVIATION FROM WALL PROFILE AT PILES 22L–31L.

3. DATA IN WALL SCHEDULE IS APPROXIMATE AND BASED ON ASSUMED ROCK AND LOADING CONDITIONS AS SHOWN IN THE ELEVATION. QUANTITIES ARE FOR ESTIMATING PURPOSES ONLY. AT ALL LOCATIONS, CONSTRUCT WALL AND DESIGN GROUND ANCHORS PER TABLE BELOW:

WALL DESIGN HEIGHT, H (FT)	SOLDIER-PILE SPACING (FT)	DRILLED SHAFT EMBEDMENT (FT)	GROUND ANCHORS	UNBONDED LENGTH (FT)	BONDED LENGTH (FT)	TOTAL LENGTH (FT)	DESIGN LOAD (K)	DESIGN DEFL. (IN)
H ≤ 5 W/OB	8	18	NO					1/2"
5 ≤ H ≤ 10 W/OB	4	26	NO					1/2"
10 ≤ H ≤ 15 W/OB	4	35	YES	10.0	25.0	35.0	149	1/2"
15 ≤ H ≤ 18 W/OB	4	37	YES	12.0	27.0	39.0	149	1/2"
H ≤ 5 NO OB	8	7	NO					1/2"
5 ≤ H ≤ 10 NO OB	8	14	NO					1/2"
10 ≤ H ≤ 15 NO OB	8	23	NO					1/2"
15 ≤ H ≤ 21 NO OB	4	39	YES	10.0	25.0	35.0	149	1/2"
BRIDGE, NORTH	4	36	YES	10.0	25.0	35.0	248	1/2"
BRIDGE, SOUTH	4	35	YES	10.0	25.0	35.0	248	1/2"

AS-BUILT INFORMATION
CONTRACTOR Solis Bros. DATE 1/08
WORK STAKED BY Survtel DATE
ACCEPTANCE INSPECTION BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co DATE 1/08
RECORDED BY DATE
NO.

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SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

REVISIONS
NO. DATE BY REMARKS

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
RETAINING WALLS
SOLDIER PILE WALL

Design Review Committee: APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 15 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C–11
Sheet 7–6 Of

WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 7 – RETAINING WALLS\Sht. 7–6 & 7 – soldier pile wall.dwg 2/23/2005 3:11:01 PM MST

RIGHT SOLDIER–PILE WALL SCHEDULE

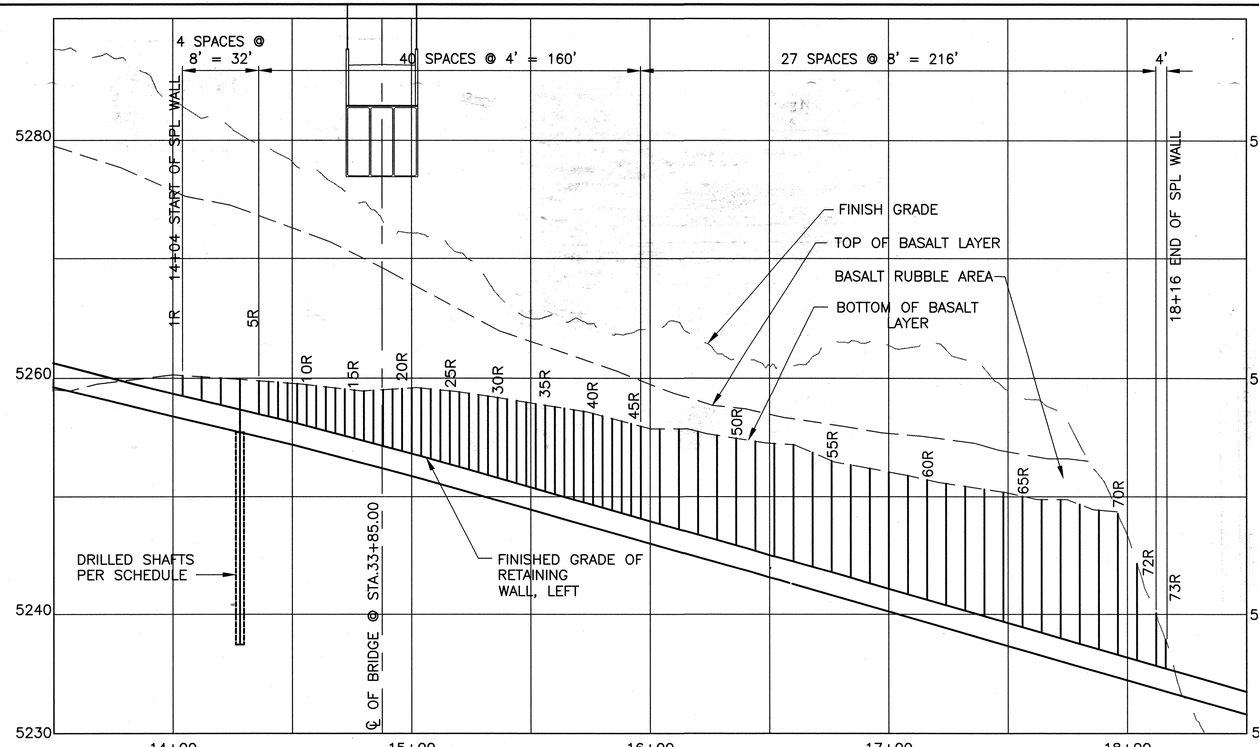
SOLDIER-PILE NO.	WALL STATION	TOW ELEV. (FT)	BOW ELEV. (FT)	WALL HEIGHT (FT)	DRILLED SHAFT DIA. (IN)	DR. SHAFT LENGTH (FT)	TIEBACK DATA				
							UNBONDED LENGTH (FT)	BONDED LENGTH (FT)	TOTAL LENGTH (FT)	DESIGN LOAD (K)	DESIGN DEFL (IN)
1 R	14 + 4.00	5260.22	5256.62	3.6	36	18.0					
2 R	14 + 12.00	5260.12	5256.24	3.9	36	18.0					
3 R	14 + 20.00	5260.02	5255.86	4.2	36	18.0					
4 R	14 + 28.00	5259.91	5255.47	4.4	36	18.0					
5 R	14 + 36.00	5259.79	5255.09	4.7	36	18.0					
6 R	14 + 40.00	5230.00	5228.08	1.9	48	26.0					
7 R	14 + 44.00	5259.68	5254.70	5.0	48	26.0					
8 R	14 + 48.00	5230.00	5228.08	1.9	48	26.0					
9 R	14 + 52.00	5259.57	5254.32	5.3	48	26.0					
10 R	14 + 56.00	5259.49	5254.10	5.4	48	26.0					
11 R	14 + 60.00	5259.40	5253.89	5.5	48	10.0	10.0	15.0	25.0	149	1/2"
12 R	14 + 64.00	5259.31	5253.68	5.6	48	10.0	10.0	15.0	25.0	149	1/2"
13 R	14 + 68.00	5259.22	5253.46	5.8	48	10.0	10.0	15.0	25.0	149	1/2"
14 R	14 + 72.00	5259.13	5253.25	5.9	48	10.0	10.0	15.0	25.0	149	1/2"
15 R	14 + 76.00	5259.03	5253.04	6.0	48	10.0	10.0	15.0	25.0	149	1/2"
16 R	14 + 80.00	5258.96	5252.82	6.1	48	10.0	10.0	15.0	25.0	149	1/2"
17 R	14 + 84.00	5259.01	5252.61	6.4	48	10.0	10.0	15.0	25.0	149	1/2"
18 R	14 + 88.00	5259.07	5252.39	6.7	48	10.0	10.0	15.0	25.0	149	1/2"
19 R	14 + 92.00	5259.12	5252.18	6.9	48	10.0	10.0	15.0	25.0	149	1/2"
20 R	14 + 96.00	5259.17	5251.97	7.2	48	10.0	10.0	15.0	25.0	149	1/2"
21 R	15 + 0.00	5259.22	5251.71	7.5	48	10.0	10.0	15.0	25.0	149	1/2"
22 R	15 + 4.00	5259.21	5251.53	7.7	48	10.0	10.0	15.0	25.0	149	1/2"
23 R	15 + 8.00	5259.13	5251.30	7.8	48	10.0	10.0	15.0	25.0	149	1/2"
24 R	15 + 12.00	5259.05	5251.07	8.0	48	26.0					
25 R	15 + 16.00	5258.97	5250.84	8.1	48	26.0					
26 R	15 + 20.00	5258.88	5250.61	8.3	48	26.0					
27 R	15 + 24.00	5258.76	5250.37	8.4	48	26.0					
28 R	15 + 28.00	5258.64	5250.14	8.5	48	26.0					
29 R	15 + 32.00	5258.52	5249.91	8.6	48	26.0					
30 R	15 + 36.00	5258.39	5249.68	8.7	48	26.0					
31 R	15 + 40.00	5258.26	5249.45	8.8	48	26.0					
32 R	15 + 44.00	5258.13	5249.22	8.9	48	26.0					
33 R	15 + 48.00	5258.01	5248.99	9.0	48	26.0					
34 R	15 + 52.00	5257.88	5248.76	9.1	48	26.0					
35 R	15 + 56.00	5257.75	5248.53	9.2	48	26.0					
36 R	15 + 60.00	5257.62	5248.30	9.3	48	26.0					
37 R	15 + 64.00	5257.49	5248.07	9.4	48	26.0					
38 R	15 + 68.00	5257.36	5247.84	9.5	48	26.0					
39 R	15 + 72.00	5257.24	5247.61	9.6	48	26.0					
40 R	15 + 76.00	5257.06	5247.38	9.7	48	26.0					
41 R	15 + 80.00	5256.84	5247.14	9.7	48	26.0					
42 R	15 + 84.00	5256.63	5246.91	9.7	48	26.0					
43 R	15 + 88.00	5256.42	5246.68	9.7	48	26.0					
44 R	15 + 92.00	5256.20	5246.45	9.7	48	26.0					
45 R	15 + 96.00	5255.99	5246.22	9.8	48	26.0					
46 R	16 + 4.00	5255.75	5245.76	10.0	48	15.0	10.0	15.0	25.0	149	1/2"
47 R	16 + 12.00	5255.75	5245.30	10.5	48	15.0	10.0	15.0	25.0	149	1/2"
48 R	16 + 20.00	5255.53	5244.84	10.7	48	15.0	10.0	15.0	25.0	149	1/2"
49 R	16 + 28.00	5255.20	5244.38	10.8	48	15.0	10.0	15.0	25.0	149	1/2"
50 R	16 + 36.00	5254.96	5243.92	11.0	48	15.0	10.0	15.0	25.0	149	1/2"
51 R	16 + 44.00	5254.71	5243.45	11.3	48	15.0	10.0	15.0	25.0	149	1/2"
52 R	16 + 52.00	5254.52	5242.98	11.5	48	15.0	10.0	15.0	25.0	149	1/2"
53 R	16 + 60.00	5254.42	5242.54	11.9	48	15.0	10.0	15.0	25.0	149	1/2"
54 R	16 + 68.00	5253.76	5242.08	11.7	48	15.0	10.0	15.0	25.0	149	1/2"
55 R	16 + 76.00	5253.06	5241.62	11.4	48	15.0	10.0	15.0	25.0	149	1/2"
56 R	16 + 84.00	5252.70	5241.15	11.5	48	15.0	10.0	15.0	25.0	149	1/2"
57 R	16 + 92.00	5252.40	5240.69	11.7	48	15.0	10.0	15.0	25.0	149	1/2"
58 R	17 + 0.00	5252.09	5240.23	11.9	48	15.0	10.0	15.0	25.0	149	1/2"
59 R	17 + 8.00	5251.78	5239.77	12.0	48	15.0	10.0	15.0	25.0	149	1/2"
60 R	17 + 16.00	5251.43	5239.31	12.1	48	15.0	10.0	15.0	25.0	149	1/2"
61 R	17 + 24.00	5251.12	5238.85	12.3	48	15.0	10.0	15.0	25.0	149	1/2"
62 R	17 + 32.00	5250.87	5238.39	12.5	48	15.0	10.0	15.0	25.0	149	1/2"
63 R	17 + 40.00	5250.62	5237.93	12.7	48	15.0	10.0	15.0	25.0	149	1/2"
64 R	17 + 48.00	5250.38	5237.46	12.9	48	15.0	10.0	15.0	25.0	149	1/2"
65 R	17 + 56.00	5250.04	5237.00	13.0	48	23.0					
66 R	17 + 64.00	5249.76	5236.54	13.2	48	23.0					
67 R	17 + 72.00	5249.76	5236.08	13.7	48	23.0					
68 R	17 + 80.00	5249.34	5235.62	13.7	48	23.0					
69 R	17 + 88.00	5248.85	5235.16	13.7	48	23.0					
70 R	17 + 96.00	5248.56	5234.70	13.9	48	23.0					
71 R	18 + 4.00	5244.29	5234.24	10.1	48	23.0					
72 R	18 + 12.00	5240.11	5233.78	6.3	36	14.0					
73 R	18 + 16.00	5237.89	5233.55	4.3	36	7.0					

NOT REQUIRED

DOUBLE ROW OF ANCHORS REQUIRED – SEE SECTION 3, SHEET 7–5

NOT REQUIRED

NOT REQUIRED



SOLDIER PILE WALL ELEVATION – RIGHT PROFILE

SCALE 1:30

NOTE: STATIONS ARE ALONG RIGHT WALL ALIGNMENT. SEE PLAN AND PROFILE SHEETS 7–1 TO 7–4 FOR LOCATION. SEE GENERAL NOTE NO. 11 ON SHEET 7–5 FOR DEVIATION FROM WALL PROFILE AT PILES 14R–22R.

NOTES:

1. TOW = TOP OF WALL
   BOW = BOTTOM OF WALL

   SEE WALL SECTIONS ON SHEET 7–5 FOR TOW AND BOW LOCATIONS.

2. SEE GENERAL NOTE NO. 11 ON SHEET 7–5 FOR DEVIATION FROM WALL PROFILE AT PILES 14R–22R.

3. DATA IN WALL SCHEDULE IS APPROXIMATE AND BASED ON ASSUMED ROCK AND LOADING CONDITIONS AS SHOWN IN THE ELEVATION. QUANTITIES ARE FOR ESTIMATING PURPOSES ONLY. AT ALL LOCATIONS, CONSTRUCT WALL AND DESIGN GROUND ANCHORS PER TABLE ON SHEET 7–6.

AS-BUILT INFORMATION
CONTRACTOR: Sais Bros. DATE 1/08
WORK STAKED BY: Surv-Tek DATE
ACCEPTANCE BY DATE
FIELD INFORMATION BY DATE
DRAWINGS CORRECTED BY: Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1–C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I–40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.–N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER–1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14368 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DATE OCT 13, 2004

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY GWK DATE 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
RETAINING WALLS
SOLDIER PILE WALL

Design Review Committee: APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 15 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C–11
Sheet 7–7 Of

WILSON & COMPANY

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KLEINFELDER — Boring Log

Sheet 1 of

Date		Project Number	Project	Boring No.
Started: 10/7/2004		50001	Paseo del Norte Extension	B-5
Completed: 10/7/2004		Rig Type: CME-75	Surface Elevation:5287.5'	Logged By: C. Bhongir
Backfilled: 10/7/2004		Northing:	Easting:	Location: 30+25, 72' N. of centerline

Groundwater

Depth (ft)	Hour	Date
none		10/7/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3 " O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Visual Classification

Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Type	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve	Visual Classification
	0		SPT	10						SILTY SAND (SM) - light brown, moist, loose, fine grained sand, poorly graded. Dry, very loose.
	3.0'									El. 5284.5'
	5									BASALT - gray, slightly weathered, hard to very hard, massive, highly fractured to moderately fractured, tight joints, rough, highly vesicular, with light brown silt infilling.
	10									Without infilling.
	15									
	20									Highly vesicular.
	23.0'									El. 5264.5'
	25									VOID.
	26.0'									El. 5261.5'
										BASALT - gray, slightly weathered, hard to very hard, massive, slightly fractured, tight joints, rough.

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KLEINFELDER — Boring Log

Sheet 2 of 2

Date		Project Number	Project	Boring No.
Started: 10/7/2004		50001	Paseo del Norte Extension	B-5
Completed: 10/7/2004		Rig Type: CME-75	Surface Elevation:5287.5'	Logged By: C. Bhongir
Backfilled: 10/7/2004		Northing:	Easting:	Location: 30+25, 72' N. of centerline

Groundwater

Depth (ft)	Hour	Date
none		10/7/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3 " O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Visual Classification

Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample Type	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve	Visual Classification
	30									BASALT - gray, slightly weathered, hard to very hard, massive, slightly fractured, tight joints, rough.
	30.0'									El. 5257.5'

Total Depth 30.0'

KLEINFELDER — Coring Log

Sheet 1 of

Date		Project Number	Project	Boring No.
Started: 10/7/2004		50001	Paseo del Norte Extension	B-5
Completed: 10/7/2004		Rig Type: CME-75	Surface Elevation:5287.5'	Logged By: C. Bhongir
Backfilled: 10/7/2004		Northing:	Easting:	Location: 30+25, 72' N. of centerline

Groundwater

Depth (ft)	Hour	Date
none		10/7/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3 " O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Visual Classification

Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample No.	Sample Type	Minutes per foot	% Recovery	RQD	Fractures per Foot	Weathering	Strength	Visual Classification
	0										SILTY SAND (SM) - light brown, moist, loose, fine grained sand, poorly graded. Dry, very loose.
	3.0'										El. 5284.5'
	5		R-2	Core	2	96.7	75.0	2@0°	SL	H - VH	BASALT - gray, slightly weathered, hard to very hard, massive, highly fractured to moderately fractured, tight joints, rough, highly vesicular with light brown silt infilling.
	10		R-3	Core	2	95.0	65.0	2@0°	SL	H - VH	Without infilling.
	15		R-4	Core	2	100.0	75.0	1@0°	SL	H - VH	
	20		R-5	Core	2	96.5	74.6	2@0°	SL	H - VH	Highly vesicular.
	23.0'										El. 5264.5'
	25		R-6	Core	3	71.7	61.7	1@0°	SL	XH	VOID.
	26.0'										El. 5261.5'
			R-7	Core	3	100.0	66.7	2@0°	SL	XH	BASALT - gray, slightly weathered, hard to very hard, massive, slightly fractured, tight joints, rough.

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KLEINFELDER — Coring Log

Sheet 2 of 2

Date		Project Number	Project	Boring No.
Started: 10/7/2004		50001	Paseo del Norte Extension	B-5
Completed: 10/7/2004		Rig Type: CME-75	Surface Elevation:5287.5'	Logged By: C. Bhongir
Backfilled: 10/7/2004		Northing:	Easting:	Location: 30+25, 72' N. of centerline

Groundwater

Depth (ft)	Hour	Date
none		10/7/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3 " O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Visual Classification

Groundwater Depth (ft.)	Depth (ft.)	Graphical Log	Sample No.	Sample Type	Minutes per foot	% Recovery	RQD	Fractures per Foot	Weathering	Strength	Visual Classification
	30		R-7	Core	3	100.0	66.7	2@0°	SL	XH	BASALT - gray, slightly weathered, hard to very hard, massive, slightly fractured, tight joints, rough.
	30.0'										El. 5257.5'

Total Depth 30.0'

BENCH MARKS

THE STA IS A [illegible] ALUMINUM CAP STAMPED [illegible] ACS 1986 SET IN [illegible] MONUMENT OR TOP THE STA
LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH TH
FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI
MONTANO [illegible] AND [illegible]
NORTENA TURN W

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

Salls Bros. Survtel 1/08

Wilson & Co. 1/08

ENGINEER'S SEAL

GARY W. KNOCHEL — NEW MEXICO — REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE
CHECKED BY DATE

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
RETAINING WALLS
FOUNDATION DATA

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE	APPROVED NOV 07 2005 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	7-8	

WILSON & COMPANY

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KLEINFELDER — Boring Log

Sheet 1 of 2

Date	Project Number	Project	Boring No.
Started: 10/6/2004	50001	Paseo del Norte Extension	B-2
Completed: 10/6/2004			
Backfilled: 10/6/2004	Rig Type: CME-75	Surface Elevation:5263.0' — Logged By: C. Bhongir	
Northing:	Easting:	Location: 36+00, 50' S. of centerline	

Groundwater: Depth (ft) none; Hour; Date 10/6/2004

G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3 " O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Groundwater Depth (ft.) / Depth (ft.)	Graphical Log	Sample Taken	Sample Type	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve	Sample Type	Visual Classification
0											BASALT - light gray, slightly weathered, hard to very hard, massive, slightly fractured, tight joints, rough, vesicular.
			CS		17.2	119.4					Highly fractured.
5											6.0' El. 5257.0'
											SILTY SAND (SM) - brown, dry, loose to medium dense, fine grained sand, poorly graded.
10											12.0' El. 5251.0'
											SAND (SP-SM) - light brown, dry, medium dense, fine to medium grained sand, poorly graded, with silt, with gravel.
15			SPT	22	1.6		NV	NP	6		17.0' El. 5246.0'
											GRAVEL (GP-GM) - brown, dry, dense, fine to coarse grained, poorly graded, with silt, with sand.
20			SPT	40	2.9				10		
25			SPT	76	1.4				5		

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KLEINFELDER — Coring Log

Sheet 1 of 2

Date	Project Number	Project	Boring No.
Started: 10/6/2004	50001	Paseo del Norte Extension	B-2
Completed: 10/6/2004			
Backfilled: 10/6/2004	Rig Type: CME-75	Surface Elevation:5263.0' — Logged By: C. Bhongir	
Northing:	Easting:	Location: 36+00, 50' S. of centerline	

Groundwater: Depth (ft) none; Hour; Date 10/6/2004

G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3 " O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Groundwater Depth (ft.) / Depth (ft.)	Graphical Log	Sample No.	Sample Type	Minutes per foot	% Recovery	RQD	Fractures per Foot	Weathering	Strength	Sample Type	Visual Classification
0											BASALT - light gray, slightly weathered, hard to very hard, massive, slightly fractured, tight joints, rough, vesicular.
		R-1	Core	2.4	85.0	76.7	1@0°		H-VH		Highly fractured.
5											6.0' El. 5257.0'
											SILTY SAND (SM) - brown, dry, loose to medium dense, fine grained sand, poorly graded.
10		R-2	Core	1.6	15.0	0.0	5@0°		H-VH		12.0' El. 5251.0'
											SAND (SP-SM) - light brown, dry, medium dense, fine to medium grained sand, poorly graded, with silt, with gravel.
15											17.0' El. 5246.0'
											GRAVEL (GP-GM) - brown, dry, dense, fine to coarse grained, poorly graded, with silt, with sand.
20											
25											

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KLEINFELDER — Boring Log

Sheet 2 of 2

Date	Project Number	Project	Boring No.
Started: 10/6/2004	50001	Paseo del Norte Extension	B-2
Completed: 10/6/2004			
Backfilled: 10/6/2004	Rig Type: CME-75	Surface Elevation:5263.0' — Logged By: C. Bhongir	
Northing:	Easting:	Location: 36+00, 50' S. of centerline	

Groundwater: Depth (ft) none; Hour; Date 10/6/2004

G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3 " O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Groundwater Depth (ft.) / Depth (ft.)	Graphical Log	Sample Taken	Sample Type	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve	Sample Type	Visual Classification
30											GRAVEL (GP-GM) - brown, dry, dense, fine to coarse grained, poorly graded, with silt, with sand.
			SPT	42							32.0' El. 5231.0'
35											SILTY SAND (SM) - light brown, dry, very stiff, fine grained sand, poorly graded.
			SPT	30	4.5		NV	NP	29		37.0' El. 5226.0'
											CLAYEY SILT (CL-ML) - light brown, dry, hard, weakly cemented, low plasticity.
40			SPT	31							40.5' El. 5222.5'

Total Depth 40.5'

KLEINFELDER — Coring Log

Sheet 2 of 2

Date	Project Number	Project	Boring No.
Started: 10/6/2004	50001	Paseo del Norte Extension	B-2
Completed: 10/6/2004			
Backfilled: 10/6/2004	Rig Type: CME-75	Surface Elevation:5263.0' — Logged By: C. Bhongir	
Northing:	Easting:	Location: 36+00, 50' S. of centerline	

Groundwater: Depth (ft) none; Hour; Date 10/6/2004

G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3 " O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Groundwater Depth (ft.) / Depth (ft.)	Graphical Log	Sample No.	Sample Type	Minutes per foot	% Recovery	RQD	Fractures per Foot	Weathering	Strength	Sample Type	Visual Classification
30											GRAVEL (GP-GM) - brown, dry, dense, fine to coarse grained, poorly graded, with silt, with sand.
											32.0' El. 5231.0'
35											SILTY SAND (SM) - light brown, dry, very stiff, fine grained sand, poorly graded.
											37.0' El. 5226.0'
											CLAYEY SILT (CL-ML) - light brown, dry, hard, weakly cemented, low plasticity.
40											40.5' El. 5222.5'

Total Depth 40.5'

AS-BUILT INFORMATION

CONTRACTOR: Solis Bros. DATE 1/08

WORK STAKED BY: Surv-Tek DATE

WORK INSPECTED & ACCEPTANCE BY DATE

FIELD INFORMATION BY DATE

DRAWINGS CORRECTED BY: Wilson + Co. DATE 1/08

MICRO-FILM INFORMATION

RECORDED BY DATE

NO. =

BENCH MARKS

THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

GARY W. KINCHEN — NEW MEXICO — 14366 — REGISTERED PROFESSIONAL ENGINEER

02-24-05

NO.	DATE	REMARKS / REVISIONS	BY

WILSON & COMPANY; ENGINEERS & ARCHITECTS — DATE OCT 13, 2004

DESIGNED BY GWK DATE 2004

DRAWN BY CRH DATE 2004

CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
RETAINING WALLS
FOUNDATION DATA

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED NOV 21 CITY ENGINEER

Last Design Update: Mo./Day/Yr. —

Mo./Day/Yr. —

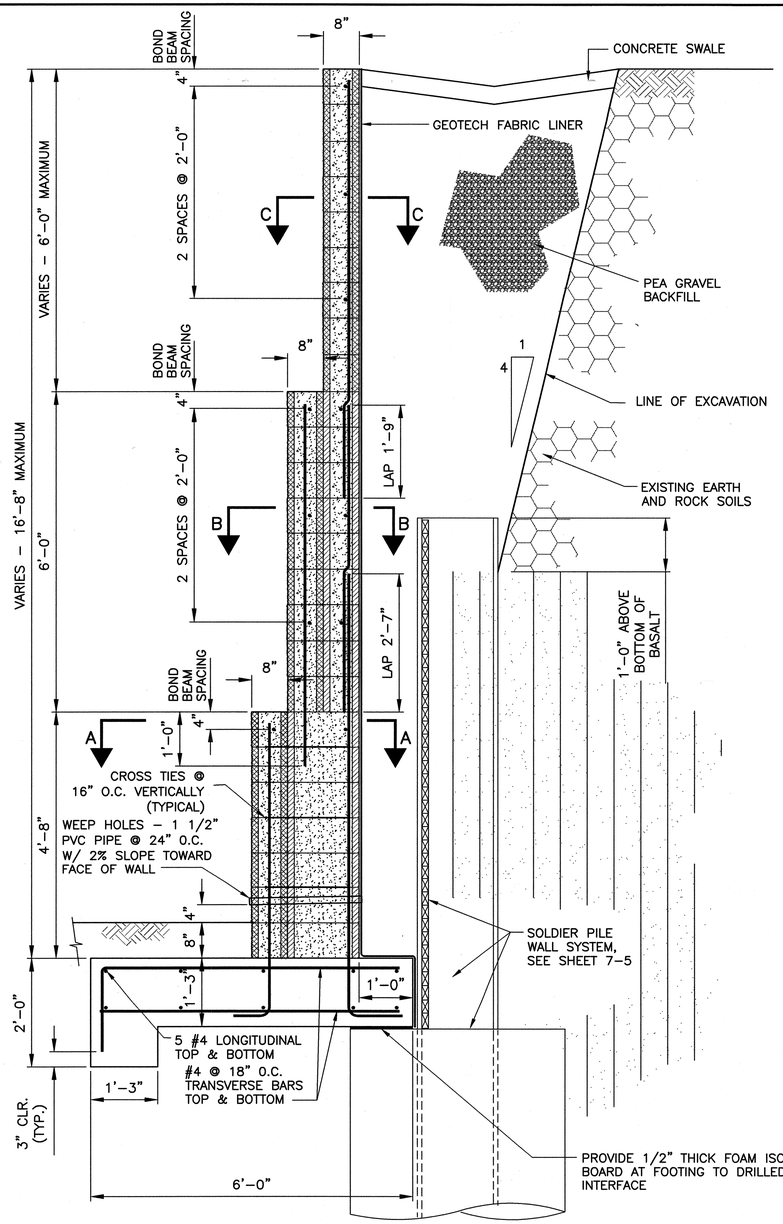
City Project No. COA 705002

Zone Map No. C-11

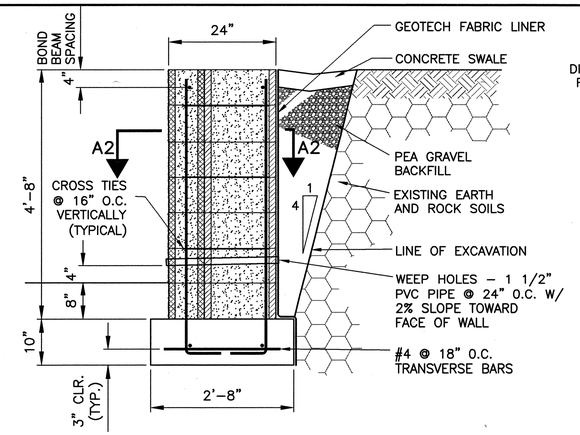
Sheet 7-9 Of

WILSON & COMPANY

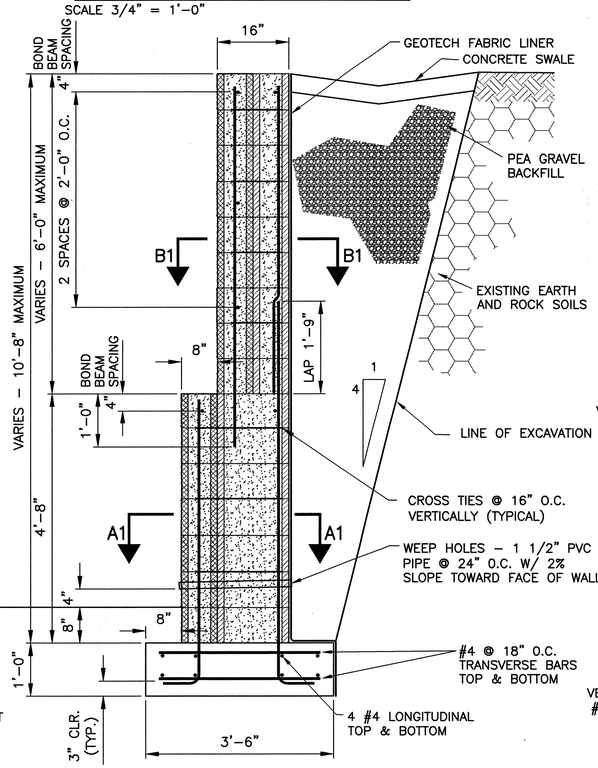
X:\Public\PROJECTS\X3022\Structures\SECTION 7 - RETAINING WALLS\Sht. 7-9 - wall foundation data.dwg 2/23/2005 3:12:11 PM MST



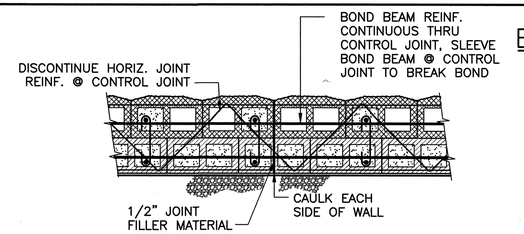
MASONRY WALL VERTICAL SECTION A
SCALE 3/4" = 1'–0"



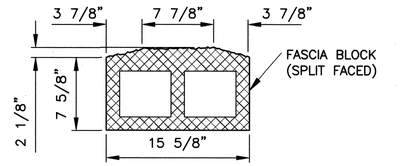
MASONRY WALL VERTICAL SECTION C
SCALE 3/4" = 1'–0"



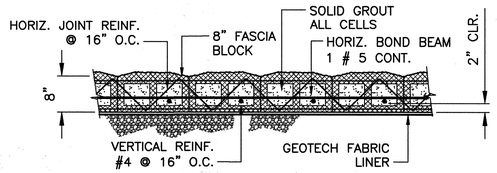
MASONRY WALL VERTICAL SECTION B
SCALE 3/4" = 1'–0"



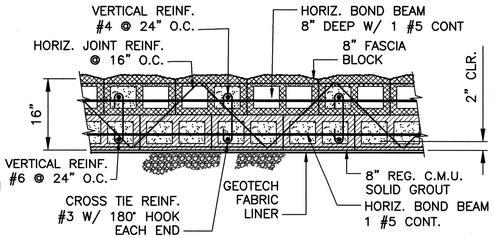
VERTICAL MASONRY CONTROL JOINT
SCALE 3/4" = 1'–0"



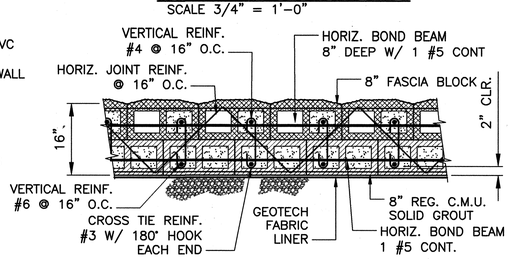
FASCIA BLOCK (SPLIT FACE)
SCALE 1 1/2" = 1'–0"



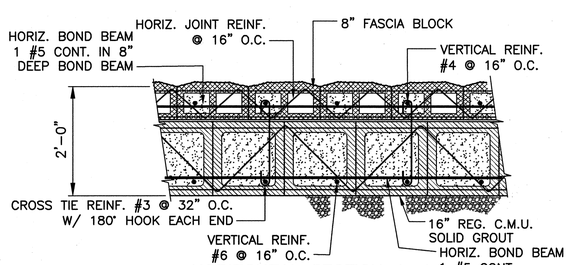
HORIZONTAL SECTION C–C
SCALE 3/4" = 1'–0"



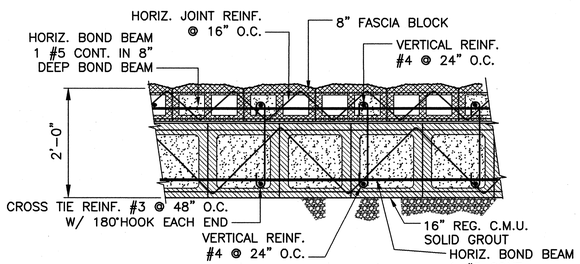
HORIZONTAL SECTION B1–B1
SCALE 3/4" = 1'–0"



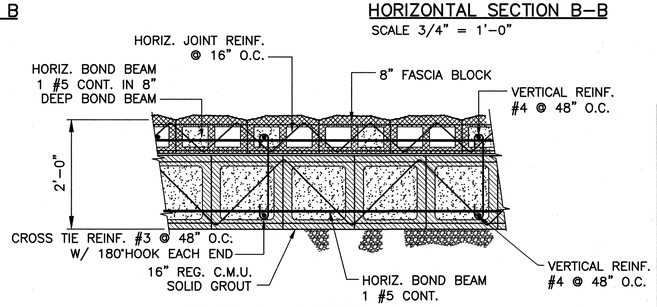
HORIZONTAL SECTION B–B
SCALE 3/4" = 1'–0"



HORIZONTAL SECTION A–A
SCALE 3/4" = 1'–0"



HORIZONTAL SECTION A1–A1
SCALE 3/4" = 1'–0"



HORIZONTAL SECTION A2–A2
SCALE 3/4" = 1'–0"

BLOCK WALL NOTES

1. CONSTRUCTION SPECIFICATIONS: CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 WITH UPDATES; AND APPLICABLE SUPPLEMENTAL TECHNICAL SPECIFICATIONS.
2. CONCRETE MASONRY STRENGTH: f'm = 1500 psi. MIN. STENGTH OF INDIVIDUAL CONCRETE MASONRY UNITS = 1900 psi, PER SECTION 540.
3. CONCRETE: f'c = 3000 psi, PER SECTION 101 AND 510.
4. STEEL REINFORCEMENT: ASTM A615, GRADE 60. ALL DIMENSIONS SHOWN REFER TO CENTERLINE OF BARS UNLESS NOTED OTHERWISE. MIN. SPLICE LENGTH FOR CONTINUOUS #4 BARS = 1'–0".
5. HORIZONTAL JOINT REINFORCEMENT: ASTM A951.
6. GROUT STRENGTH = 2500 psi, PER SECTION 106.
7. PROVIDE VERTICAL MASONRY CONTROL JOINTS AT 24 FT. INTERVALS. SEE DETAIL THIS SHEET.
8. DAMP–PROOF BACK WALL FACES THAT WILL BE IN DIRECT CONTACT WITH BACKFILL. USE HYDROCIDE 700B EMULSIFIED ASPHALT, OR APPROVED EQUAL.
9. SURFACE FINISHES: PROVIDE FASCIA BLOCKS PER DETAIL THIS SHEET, WITH COLORS AND TEXTURES SPECIFIED IN SECTION 6 OF THE PLANS.
10. TOP OF WALL SURFACE FINISH: FINISH GROUT AT ALL TOP BLOCKS TO PROVIDE A NEAT AND SMOOTH FINISH. MATCH BLOCK COLOR.
10. SCARIFY FOUNDATION SOILS TO A DEPTH OF 8", MOISTURE CONDITION TO NEAR OPTIMUM MOISTURE CONTENT (+ 3%), AND COMPACT TO 95% MAXIMUM DENSITY AS DETERMINED BY ASTM D–1557.
11. BLOCK WALL IS PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT OF EXPOSED WALL AREA FROM GROUND ELEVATION TO TOP OF WALL ELEVATION. PAYMENT INCLUDES ALL ASSOCIATED WORK REQUIRED TO COMPLETE THE WALL CONSTRUCTION, INCLUDING BUT NOT LIMITED TO CMU BLOCKS, CONCRETE, STEEL REINFORCEMENT, FOUNDATION PREPARATION, BACKFILL, AND WALL DRAINAGE.

AS–BUILT INFORMATION
CONTRACTOR: Sais Bros. DATE 1/08
WORK STAKED BY: Survtek DATE
AS–BUILTS BY DATE
FIELD VERIFICATIONS BY DATE
DRAWINGS CORRECTED BY: Wilson & Co. DATE 1/08
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1–C11" 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I–40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.–N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER–1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
RETAINING WALLS
CMU TIERED WALLS

Design Review Committee: APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 15 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C–11
Sheet 7 Of 10

WILSON & COMPANY

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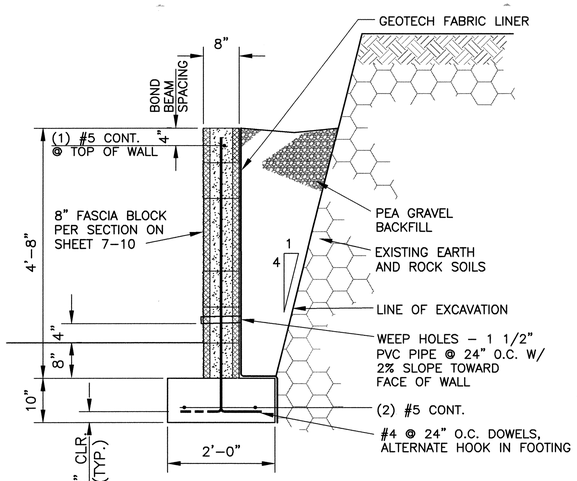
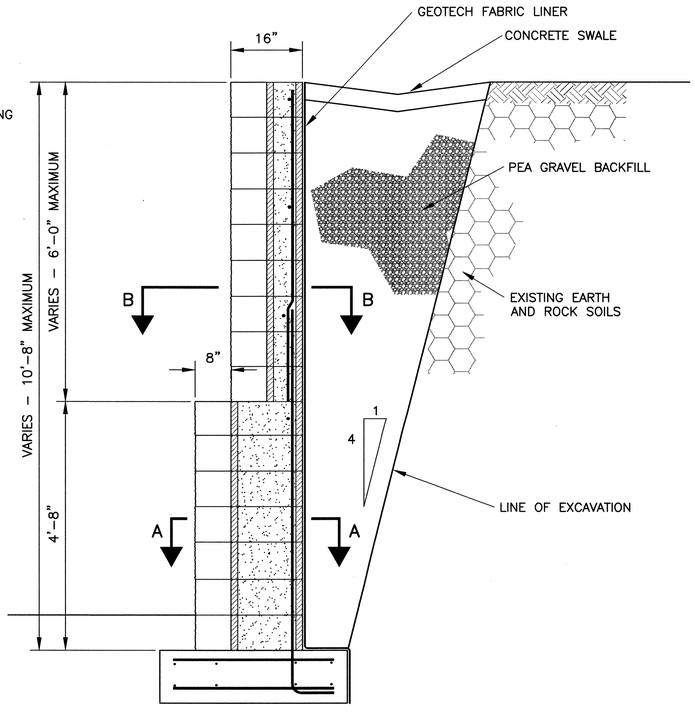
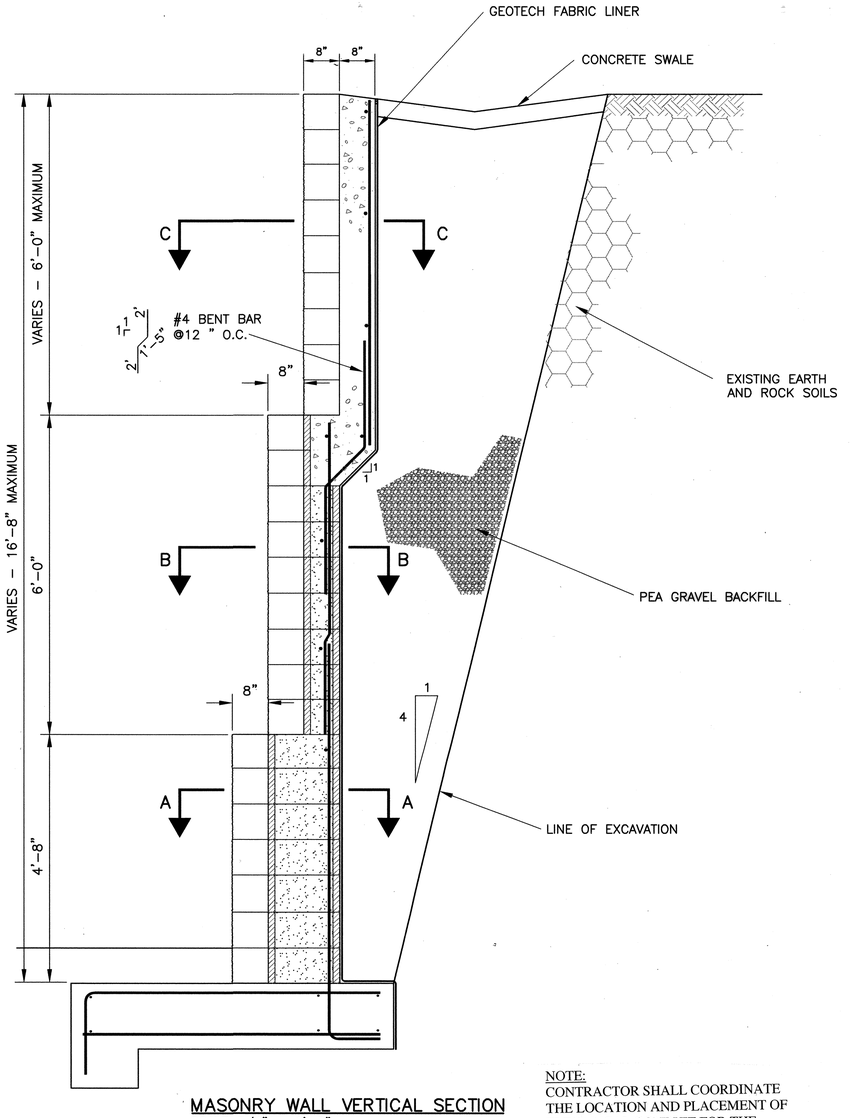


CMU BASALT CUT WALL
SCALE 3/4" = 1'–0"



MASONRY WALL VERTICAL SECTION
SCALE 3/4" = 1'–0"



MASONRY WALL VERTICAL SECTION
SCALE 3/4" = 1'–0"

MASONRY WALL VERTICAL SECTION
SCALE 3/4" = 1'–0"

HORIZONTAL SECTION A
SCALE 3/4" = 1'–0"

HORIZONTAL SECTION B
SCALE 3/4" = 1'–0"

HORIZONTAL SECTION C
SCALE 3/4" = 1'–0"

NOTE:
CONTRACTOR SHALL COORDINATE THE LOCATION AND PLACEMENT OF ELECTRICAL CONDUIT FOR THE LIGHT BOXES AT THE CMU TIERED WALLS & CMU BASALT CUT WALLS WITH THE PROJECT ENGINEER PRIOR TO BEGINNING WORK ON THE LIGHT BOXES OR WALLS.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED 'ACS 1–C11 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I–40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.–N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER–1ST CLASS) (NAVD 88)

AS–BUILT INFORMATION
CONTRACTOR Sails Bros. DATE 1/08
WORK STAKED BY SurvTek DATE
WORK ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co DATE 1/08
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
RETAINING WALLS
LIGHT BOXES AT CMU TIERED WALL & CMU BASALT CUT WALL

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 05 CITY ENGINEER
Last Design Update: Mo./Day/Yr. Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C–11 | Sheet 7–11 Of

WILSON & COMPANY

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DRAWINGS REQUIRED

8-1 GENERAL NOTES & ESTIMATED QUANTITIES
8-2 STRUCTURE LOCATION PLAN
8-3 STRUCTURE LOCATION PROFILE
8-4 FOUNDATION DATA
8-5 TYPICAL SECTION
8-6 MEDIAN DETAILS
8-7 BARRIER DETAILS
8-8 FRAMING PLAN AND LONGITUDINAL SECTION
8-9 DECK REINFORCEMENT PLAN
8-10 DECK ELEVATIONS AND "P" DIMENSION
8-11 24" x 48" PRESTRESSED CONCRETE BOX BEAM
8-12 ABUTMENT NO. 1 – PLAN AND ELEVATION
8-13 ABUTMENT NO. 2 – PLAN AND ELEVATION
8-14 ABUTMENT DETAILS
8-15 APPROACH SLAB AND SLEEPER SLAB
8-16 REBAR DIAGRAMS AND SCHEDULE
8-17 MSE WALLS
8-18 MSE WALLS, ABUTMENT NO. 1
8-19 MSE WALLS, ABUTMENT NO. 2
8-20 ELASTOMERIC EXPANSION JOINT SEAL GENERAL DATA
8-21 ELASTOMERIC EXPANSION JOINT SEAL
8-22 ELASTOMERIC EXPANSION JOINT SEAL
8-23 DOWEL ASSEMBLY FOR ARTISTIC CONCRETE BARRIER
8-24 MEDIAN GRATE DETAILS

GENERAL NOTES

1. SPECIFICATIONS FOR CONSTRUCTION: CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 WITH UPDATES, AND APPLICABLE SUPPLEMENTAL TECHNICAL SPECIFICATIONS.

2. DRILL-HOLE INFORMATION: THE PROJECT ENGINEER IS NOT RESPONSIBLE FOR ANY INTERPRETATION OR ASSUMPTIONS MADE BY THE CONTRACTOR BASED ON THE DRILL-HOLE INFORMATION SHOWN ON THE PLANS.

3. CONCRETE: PER SECTION 510. CHAMFER ALL EXPOSED EDGES OF STRUCTURES 3/4" UNLESS OTHERWISE NOTED.

4. FINISHING CONCRETE SURFACES: THE FOLLOWING SURFACES HAVE TEXTURE AND COLOR REQUIREMENTS:
   A. ARTISTIC BRIDGE BARRIER.
   B. PERMANENT MEDIAN.
   C. TEMPORARY MEDIANS.
   D. MSE WALLS.
   REFER TO SECTION 6 OF PLANS FOR REQUIREMENTS.

5. REINFORCING BARS: AASHTO M 31, GRADE 60. DIMENSIONS SHOWN REFER TO THE CENTERLINE OF BARS UNLESS OTHERWISE NOTED.

6. STRUCTURAL STEEL:

COMPONENT	GRADE
ALL	AASHTO M 270, GRADE 50

7. PRESTRESSED CONCRETE BOX BEAMS, 24"X48": SEE SHEET 8-11.

8. BRIDGE NUMBER PLATE: FURNISH 2 BRIDGE NUMBER PLATES CONFORMING TO THE DETAILS SHOWN. THE COST OF THE PLATES IS INCIDENTAL TO CONSTRUCTION AND WILL NOT BE PAID FOR DIRECTLY.

9. PERMANENT ANTI-GRAFFITI PROTECTIVE COATING: APPLY TO THE FOLLOWING SURFACES:
   A. BRIDGE CONCRETE BARRIER RAILINGS.
   B. EXTERIOR EDGES OF SIDEWALKS.
   C. EXTERIOR SURFACES OF EXTERIOR BEAMS.
   D. EXTERIOR SURFACES OF ABUTMENTS AND WINGWALLS ABOVE THE GRADE LINE.
   E. EXTERIOR SURFACES OF MSE WALL PANELS AND COPING ABOVE THE GRADE LINE.

10. STAY-IN-PLACE DECK FORMS: PERMANENT STEEL DECK FORMS MAY BE USED FOR BRIDGE DECK CONSTRUCTION. SUBMIT DESIGN CALCULATIONS AND SPECIFICATIONS FOR THE PROPOSED FORMING SYSTEM TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

GENERAL NOTES (CONT.)

11. STRUCTURE BACKFILL: AFTER EMBANKMENT CONSTRUCTION UP TO BOTTOM OF MSE WALL ELEVATIONS, A A 30-DAY WAITING PERIOD IS REQUIRED PRIOR TO BEGINNING CONSTRUCTION OF MSE WALLS.

12. MSE WALLS: SEE NOTES ON SHEET 8-17 FOR MSE WALLS.

DESIGN DATA

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH (2002) EDITION.

DESIGN STRESSES:
SUPERSTRUCTURE REINFORCED CONCRETE: f'c = 4000 PSI (28 DAYS)
SUBSTRUCTURE REINFORCED CONCRETE: f'c = 3000 PSI (28 DAYS)
REINFORCING STEEL: fy = 60000 PSI

LIVE LOAD: HS20-44

WEARING SURFACE: 30 PSF ALLOWANCE FOR FUTURE WEARING SURFACE

STAY-IN-PLACE DECK FORMS: 15 PSF

WIND VELOCITY: 75 MPH

SEISMIC PERFORMANCE CATEGORY (SPC): B

HORIZONTAL EARTH PRESSURES (EQUIV. FLUID PRESSURES):
ACTIVE PRESSURE: 30 PSF/FT
AT-REST PRESSURE: 50 PSF/FT
PASSIVE PRESSURE: 60 PSF/FT

GEOTECHNICAL INVESTIGATION:
PASEO DEL NORTE EXTENSION PROJECT
(EASTERN BOUNDARY OF PETROGLYPH TO KIMMICK ROAD)
COA PROJECT NO. 705002
BY: KLEINFELDER, INC.
DATE: JANUARY 2005

MAXIMUM ABUTMENT FOOTING BEARING PRESSURES:
ABUTMENT NO. 1: 3140 PSF (GROUP I)
ABUTMENT NO. 2: 3140 PSF (GROUP I)

MSE WALLS: SEE SHEET 8-17 AND SUPPLEMENTAL TECHNICAL SPECIFICATIONS

SUPPLEMENTAL SPECIFICATIONS

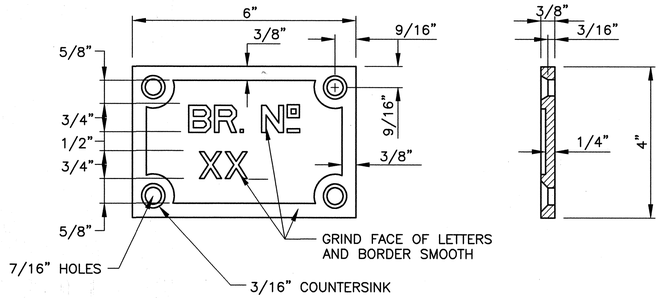
SECTION 555 – STRUCTURE EXCAVATION AND BACKFILL FOR BRIDGES
SECTION 560 – MECHANICALLY STABILIZED EARTH RETAINING STRUCTURES
SECTION 563 – GEOTEXTILES
SECTION 564 – PREFABRICATED COMPOSITE DRAINAGE SYSTEM
~~SECTION 556~~ – SUPERSTRUCTURE CONCRETE – SECTION 556
SECTION 580 – SEALED EXPANSION JOINTS
SECTION 581 – ELASTOMERIC EXPANSION JOINT SEAL
SECTION 590 – PENETRATING WATER REPELLENT TREATMENT
SECTION 591 – CRACK SEALING USING HIGH MOLECULAR WEIGHT METHACRYLATE
SECTION 592 – PERMANENT ANT-GRAFFITI PROTECTIVE COATING

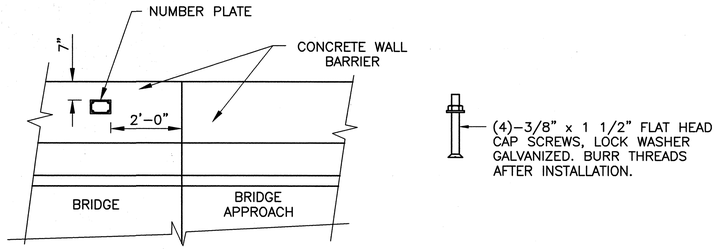
(SEE SUPPLEMENTAL TECHNICAL SPECIFICATIONS IN CONTRACT DOCUMENTS)

INCIDENTAL ITEMS

1. PERMANENT ANTI-GRAFFITI PROTECTIVE COATING
2. PREFORMED BITUMINOUS JOINT FILLER (M213)
3. BRIDGE NUMBER PLATES
4. ELASTOMERIC BEARING PADS
5. HIGH MOLECULAR WEIGHT METHACRYLATE (HMWM)
6. ABUTMENT WATERPROOFING SYSTEM
7. PREFABRICATED COMPOSITE DRAINAGE SYSTEM
8. GALVANIZED SHEET METAL, 16 GA.
9. WATERSTOP AND ITS APPURTENANCES
10. PENETRATING WATER REPELLENT TREATMENT
11. MEDIAN GRATES

NOTE:
ITEMS LISTED ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS, AND MAY NOT BE COMPLETE. THIS LIST DOES NOT INCLUDE INCIDENTAL WORK OR MATERIALS REQUIRED BY STANDARD DRAWINGS, SUPPLEMENTAL TECHNICAL SPECIFICATIONS OR THE STANDARD SPECIFICATIONS.





PARTIAL ELEVATION

NOTES:

TWO PLATES WITH BOLTS REQUIRED FOR EACH BRIDGE. MATERIAL EQUALS CAST IRON, RAISED BLOCK LETTER OF NEAT SQUARE CUT DESIGN, GRIND FACE, & HOT DIPPED GALV.

EACH PLATE IS TO BE PLACED AT EACH END OF THE BRIDGE ON THE ROADWAY FACE OF THE CONCRETE BARRIER RAILING AT THE END OF THE DECK. LOCATE ON RIGHT SIDE AS ONE APPROACHES BRIDGE.

BRIDGE NUMBER PLATE DETAILS

ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	SUPER-STRUCTURE	SUBSTRUCTURE				TOTAL
				APPR. SLAB NO. 1	ABUT. NO. 1	ABUT. NO 2	APPR. SLAB NO. 2	
555.010	STRUCT. EXCAVATION AND BACKFILL FOR BRIDGES	CY		1200			1206	2406
510.040	CONCRETE SLOPE PAVING	SY			97.6	97.6		195.1
560.010	MSE WALLS	SF			3180.5	2146.7		5327.2
103.010	EPOXY COATED REINFORCING BARS, GRADE 60	LB	40938	14746	4585	5555	14746	80570
102.010	REINFORCING BARS, GRADE 60	LB			7567	7567		15134
510.030	ARTISTIC CONCRETE BARRIER	LF	178.6					178.6
512.020	PRESTRESSED CONCRETE BOX BEAMS, 24" X 48"	LF	611.0					611.0
510.010	SUPERSTRUCTURE CONCRETE	CY	235.7	97.8	34.8	34.3	97.8	500.4
510.020	SUBSTRUCTURE CONCRETE CLASS A	CY			184.6	185.6		370.2
580.010	SEALED EXPANSION JOINTS	LF	338.9	139.1			139.1	617.1
581.010	ELASTOMERIC EXPANSION JOINT SEALS	LF		141.1			141.1	282.2

NOTE: QUANTITIES FOR LANDSCAPE MATERIAL AND ASPHALT ARE NOT INCLUDED ABOVE. THESE ITEMS ARE INCLUDED IN THE ROADWAY QUANTITIES.

SEE REVSED SHEET.

AS-BUILT INFORMATION
CONTRACTOR Salls Bros. DATE 1/08
WORK STAKED BY Surv-Tek DATE
INSPECTION & ACCEPTANCE BY DATE
FIELD LOCATION BY DATE
DRAWINGS CORRECTED BY Wilson+Co DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED 'ACS 1-C11 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE FEB 2005
DRAWN BY CRH DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
GENERAL NOTES & ESTIMATED QUANITIES

Design Review Committee: APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 15 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 8-1 Of

WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 8\Sht. 8-1 - GSN.dwg

DRAWINGS REQUIRED

8-1 GENERAL NOTES & ESTIMATED QUANTITIES
8-2 STRUCTURE LOCATION PLAN
8-3 STRUCTURE LOCATION PROFILE
8-4 FOUNDATION DATA
8-5 TYPICAL SECTION
8-6 MEDIAN DETAILS
8-7 BARRIER DETAILS
8-8 FRAMING PLAN AND LONGITUDINAL SECTION
8-9 DECK REINFORCEMENT PLAN
8-10 DECK ELEVATIONS AND "P" DIMENSION
8-11 24" x 48" PRESTRESSED CONCRETE BOX BEAM
8-12 ABUTMENT NO. 1 – PLAN AND ELEVATION
8-13 ABUTMENT NO. 2 – PLAN AND ELEVATION
8-14 ABUTMENT DETAILS
8-15 APPROACH SLAB AND SLEEPER SLAB
8-16 REBAR DIAGRAMS AND SCHEDULE
8-17 MSE WALLS
8-18 MSE WALLS, ABUTMENT NO. 1
8-19 MSE WALLS, ABUTMENT NO. 2
8-20 ELASTOMERIC EXPANSION JOINT SEAL GENERAL DATA
8-21 ELASTOMERIC EXPANSION JOINT SEAL
8-22 ELASTOMERIC EXPANSION JOINT SEAL
8-23 DOWEL ASSEMBLY FOR ARTISTIC CONCRETE BARRIER
8-24 MEDIAN GRATE DETAILS

GENERAL NOTES

1. SPECIFICATIONS FOR CONSTRUCTION: CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 WITH UPDATES, AND APPLICABLE SUPPLEMENTAL TECHNICAL SPECIFICATIONS.

2. DRILL-HOLE INFORMATION: THE PROJECT ENGINEER IS NOT RESPONSIBLE FOR ANY INTERPRETATION OR ASSUMPTIONS MADE BY THE CONTRACTOR BASED ON THE DRILL-HOLE INFORMATION SHOWN ON THE PLANS.

3. CONCRETE: PER SECTION 510. CHAMFER ALL EXPOSED EDGES OF STRUCTURES 3/4" UNLESS OTHERWISE NOTED.

4. FINISHING CONCRETE SURFACES: THE FOLLOWING SURFACES HAVE TEXTURE AND COLOR REQUIREMENTS:
   A. ARTISTIC BRIDGE BARRIER.
   B. PERMANENT MEDIAN.
   C. TEMPORARY MEDIANS.
   D. MSE WALLS.
   REFER TO SECTION 6 OF PLANS FOR REQUIREMENTS.

5. REINFORCING BARS: AASHTO M 31, GRADE 60. DIMENSIONS SHOWN REFER TO THE CENTERLINE OF BARS UNLESS OTHERWISE NOTED.

6. STRUCTURAL STEEL:

COMPONENT	GRADE
ALL	AASHTO M 270, GRADE 50

7. PRESTRESSED CONCRETE BOX BEAMS, 24"X48": SEE SHEET 8-11.

8. BRIDGE NUMBER PLATE: FURNISH 2 BRIDGE NUMBER PLATES CONFORMING TO THE DETAILS SHOWN. THE COST OF THE PLATES IS INCIDENTAL TO CONSTRUCTION AND WILL NOT BE PAID FOR DIRECTLY.

9. PERMANENT ANTI-GRAFFITI PROTECTIVE COATING: APPLY TO THE FOLLOWING SURFACES:
   A. BRIDGE CONCRETE BARRIER RAILINGS.
   B. EXTERIOR EDGES OF SIDEWALKS.
   C. EXTERIOR SURFACES OF EXTERIOR BEAMS.
   D. EXTERIOR SURFACES OF ABUTMENTS AND WINGWALLS ABOVE THE GRADE LINE.
   E. EXTERIOR SURFACES OF MSE WALL PANELS AND COPING ABOVE THE GRADE LINE.

10. STAY-IN-PLACE DECK FORMS: PERMANENT STEEL DECK FORMS MAY BE USED FOR BRIDGE DECK CONSTRUCTION. SUBMIT DESIGN CALCULATIONS AND SPECIFICATIONS FOR THE PROPOSED FORMING SYSTEM TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

GENERAL NOTES (CONT.)

11. STRUCTURE BACKFILL: AFTER EMBANKMENT CONSTRUCTION UP TO BOTTOM OF MSE WALL ELEVATIONS, A A 30-DAY WAITING PERIOD IS REQUIRED PRIOR TO BEGINNING CONSTRUCTION OF MSE WALLS.

12. MSE WALLS: SEE NOTES ON SHEET 8-17 FOR MSE WALLS.

DESIGN DATA

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH (2002) EDITION.

DESIGN STRESSES:
SUPERSTRUCTURE REINFORCED CONCRETE: f'c = 4000 PSI (28 DAYS)
SUBSTRUCTURE REINFORCED CONCRETE: f'c = 3000 PSI (28 DAYS)
REINFORCING STEEL: fy = 60000 PSI

LIVE LOAD: HS20-44

WEARING SURFACE: 30 PSF ALLOWANCE FOR FUTURE WEARING SURFACE

STAY-IN-PLACE DECK FORMS: 15 PSF

WIND VELOCITY: 75 MPH

SEISMIC PERFORMANCE CATEGORY (SPC): B

HORIZONTAL EARTH PRESSURES (EQUIV. FLUID PRESSURES):
ACTIVE PRESSURE: 30 PSF/FT
AT-REST PRESSURE: 50 PSF/FT
PASSIVE PRESSURE: 60 PSF/FT

GEOTECHNICAL INVESTIGATION:
PASEO DEL NORTE EXTENSION PROJECT
(EASTERN BOUNDARY OF PETROGLYPH TO KIMMICK ROAD)
COA PROJECT NO. 705002
BY: KLEINFELDER, INC.
DATE: JANUARY 2005

MAXIMUM ABUTMENT FOOTING BEARING PRESSURES:
ABUTMENT NO. 1: 3140 PSF (GROUP I)
ABUTMENT NO. 2: 3140 PSF (GROUP I)

MSE WALLS: SEE SHEET 8-17 AND SUPPLEMENTAL TECHNICAL SPECIFICATIONS

SUPPLEMENTAL SPECIFICATIONS

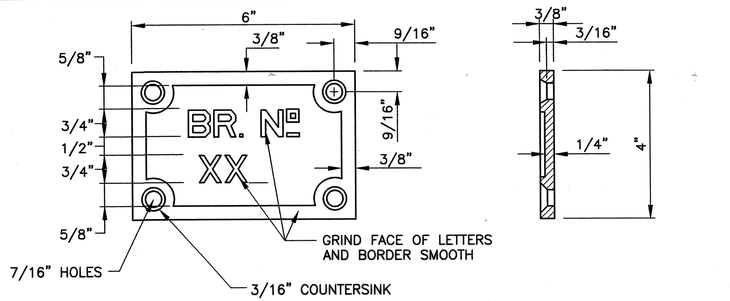
SECTION 555 – STRUCTURE EXCAVATION AND BACKFILL FOR BRIDGES
SECTION 560 – MECHANICALLY STABILIZED EARTH RETAINING STRUCTURES
SECTION 563 – GEOTEXTILES
SECTION 564 – PREFABRICATED COMPOSITE DRAINAGE SYSTEM
SECTION 573 – SUPERSTRUCTURE CONCRETE
SECTION 580 – SEALED EXPANSION JOINTS
SECTION 581 – ELASTOMERIC EXPANSION JOINT SEAL
SECTION 590 – PENETRATING WATER REPELLENT TREATMENT
SECTION 591 – CRACK SEALING USING HIGH MOLECULAR WEIGHT METHACRYLATE
SECTION 592 – PERMANENT ANT-GRAFFITI PROTECTIVE COATING

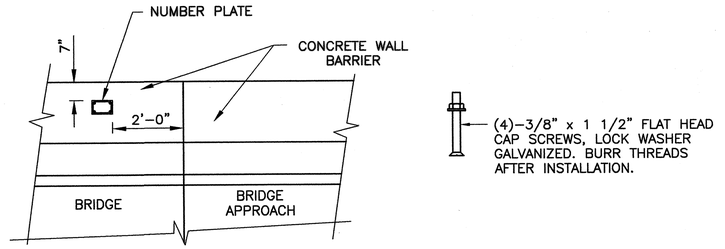
(SEE SUPPLEMENTAL TECHNICAL SPECIFICATIONS IN CONTRACT DOCUMENTS)

INCIDENTAL ITEMS

1. PERMANENT ANTI-GRAFFITI PROTECTIVE COATING
2. PREFORMED BITUMINOUS JOINT FILLER (M213)
3. BRIDGE NUMBER PLATES
4. ELASTOMERIC BEARING PADS
5. HIGH MOLECULAR WEIGHT METHACRYLATE (HMWM)
6. ABUTMENT WATERPROOFING SYSTEM
7. PREFABRICATED COMPOSITE DRAINAGE SYSTEM
8. GALVANIZED SHEET METAL, 16 GA.
9. WATERSTOP AND ITS APPURTENANCES
10. PENETRATING WATER REPELLENT TREATMENT
11. MEDIAN GRATES

NOTE:
ITEMS LISTED ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS, AND MAY NOT BE COMPLETE. THIS LIST DOES NOT INCLUDE INCIDENTAL WORK OR MATERIALS REQUIRED BY STANDARD DRAWINGS, SUPPLEMENTAL TECHNICAL SPECIFICATIONS OR THE STANDARD SPECIFICATIONS.





PARTIAL ELEVATION

NOTES:

TWO PLATES WITH BOLTS REQUIRED FOR EACH BRIDGE. MATERIAL EQUALS CAST IRON, RAISED BLOCK LETTER OF NEAT SQUARE CUT DESIGN, GRIND FACE, & HOT DIPPED GALV.

EACH PLATE IS TO BE PLACED AT EACH END OF THE BRIDGE ON THE ROADWAY FACE OF THE CONCRETE BARRIER RAILING AT THE END OF THE DECK. LOCATE ON RIGHT SIDE AS ONE APPROACHES BRIDGE.

BRIDGE NUMBER PLATE DETAILS

ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	SUPER-STRUCTURE	SUBSTRUCTURE				TOTAL
				APPR. SLAB NO. 1	ABUT. NO. 1	ABUT. NO 2	APPR. SLAB NO. 2	
555.01	STRUCT. EXCAVATION AND BACKFILL FOR BRIDGES	CY		1200			1206	2406
510.04	CONCRETE SLOPE PAVING	SY			103.4	103.4		206.7
560.01	MSE WALLS	SF			3180.5	2146.7		5327.2
103.01	EPOXY COATED REINFORCING BARS, GRADE 60	LB	40938	14746	4585	5387	14746	80402
102.01	REINFORCING BARS, GRADE 60	LB			6100	6100		12200
510.03	ARTISTIC CONCRETE BARRIER	LF	178.6					178.6
512.02	PRESTRESSED CONCRETE BOX BEAMS, 24" X 48"	LF	611.0					611.0
510.01	SUPERSTRUCTURE CONCRETE	CY	235.7	97.8	34.8	34.3	97.8	500.4
510.02	SUBSTRUCTURE CONCRETE CLASS A	CY			123.3	123.3		246.7
580.01	SEALED EXPANSION JOINTS	LF	338.9	139.1			139.1	617.1
581.01	ELASTOMERIC EXPANSION JOINT SEALS	LF		141.1			141.1	282.2

NOTE: QUANTITIES FOR LANDSCAPE MATERIAL AND ASPHALT ARE NOT INCLUDED ABOVE. THESE ITEMS ARE INCLUDED IN THE ROADWAY QUANTITIES.

AS-BUILT INFORMATION
CONTRACTOR Sails Bros. DATE 1/08
WORK STAKED BY Survtek DATE
INSPECTOR'S ATTENDANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY Wilson & Co DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2009

NO.	DATE	MSE WALLS REVISIONS REMARKS	BY
1	MAY '06	REVISIONS	CRH

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE FEB 2005
DRAWN BY CRH DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
GENERAL NOTES & ESTIMATED QUANITIES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 8-1 Of

WILSON & COMPANY

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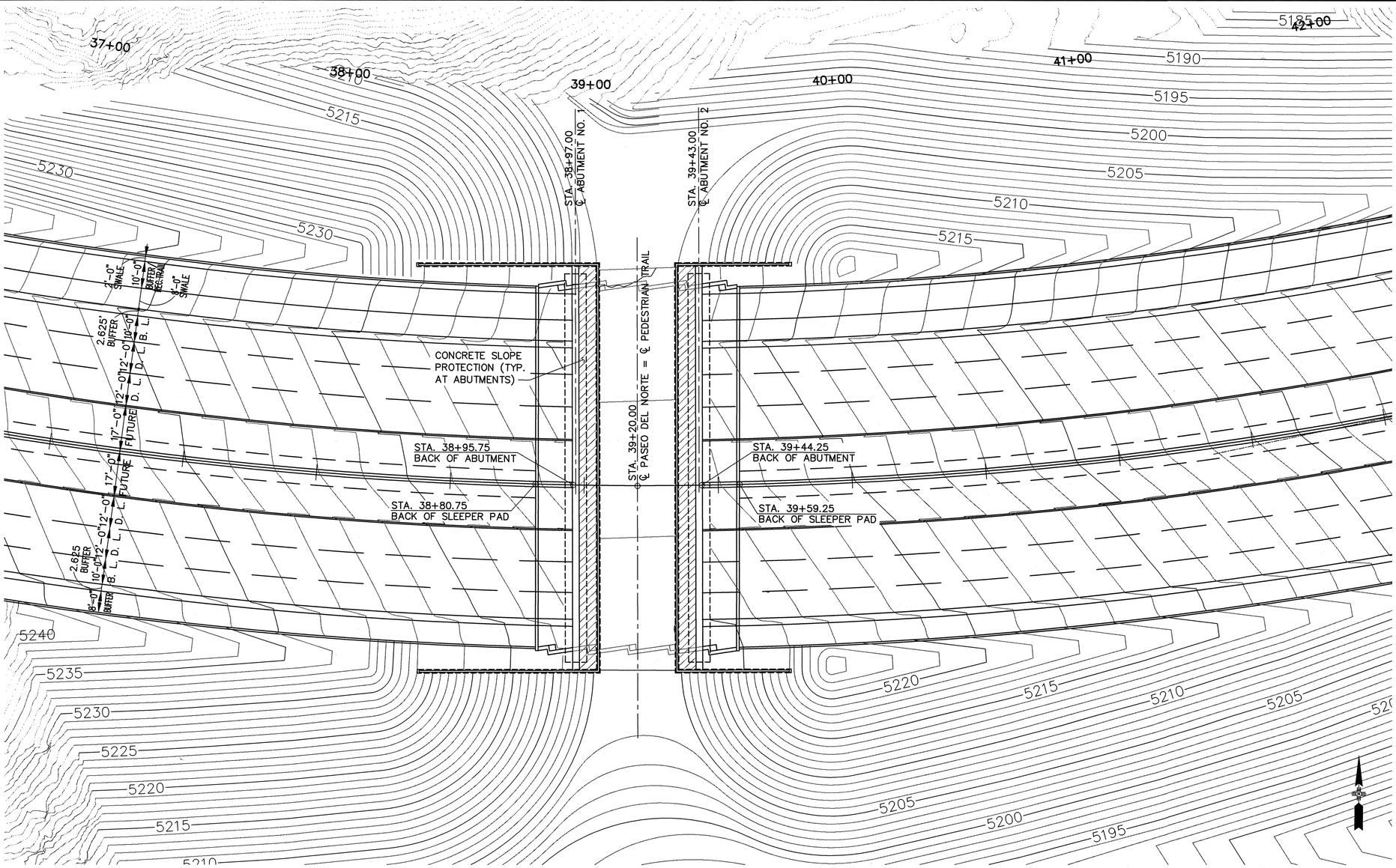
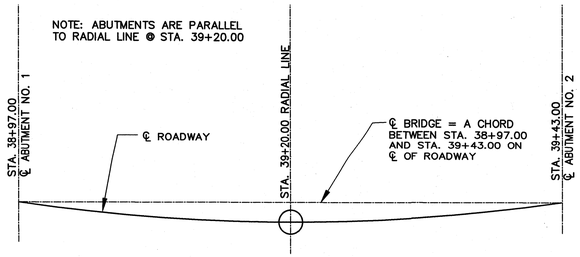


PLAN
SCALE: 1":20'

CURVE DATA

△ = 35°07'05"
R = 1500.00'
T = 474.65'
L = 919.39'



BRIDGE LAYOUT GEOMETRY
NOT TO SCALE

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

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AS-BUILT INFORMATION

CONTRACTOR Solis Bros. DATE 1/08
WORK STAKED BY ACS DATE
ACCEPTANCE BY Surveyor DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

GARY W. KINCHEN
NEW MEXICO
14368
REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	GWK	DATE	FEB 2005
DRAWN BY	CRH	DATE	FEB 2005
CHECKED BY	SFP	DATE	FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
STRUCTURE LOCATION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE	APPROVED DEC 15 2005 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	8-2	

WILSON & COMPANY

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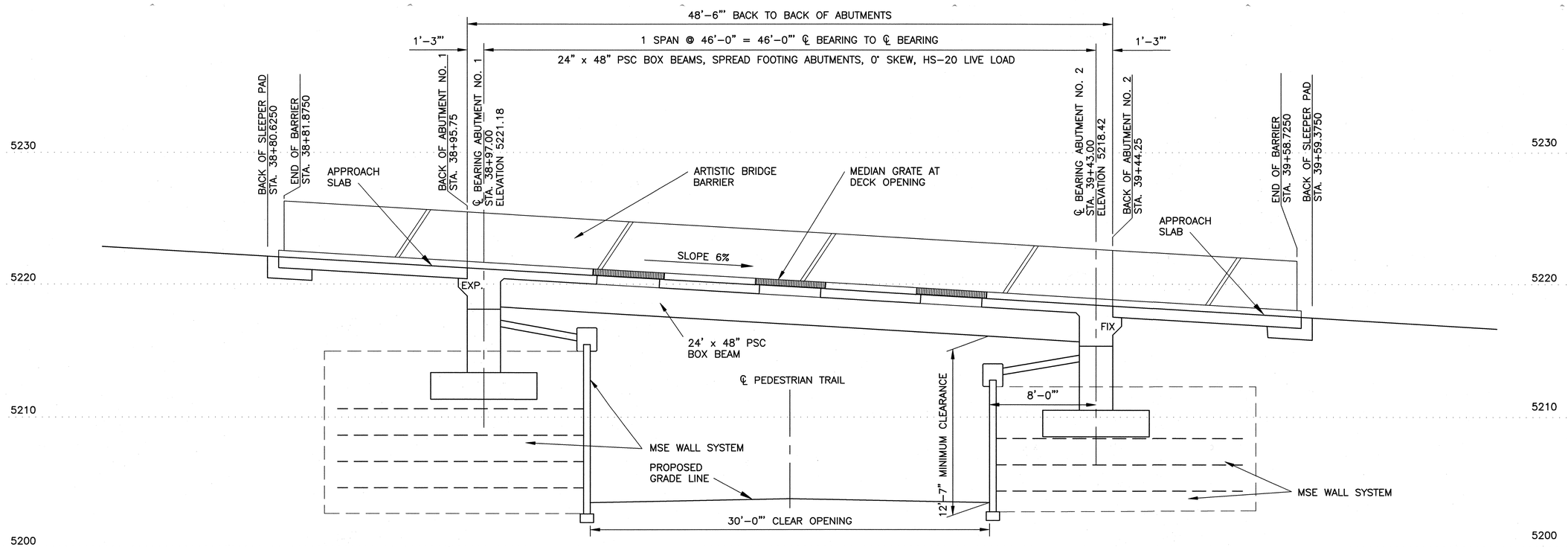
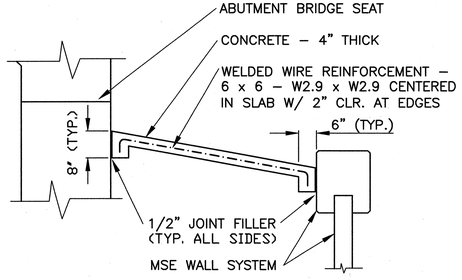
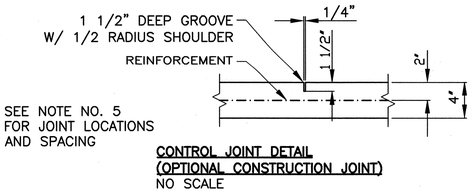


STRUCTURE LOCATION PROFILE

SCALE : 1/4" = 1'-0"



TYPICAL SECTION ⊕ SLOPE PAVEMENT
NO SCALE

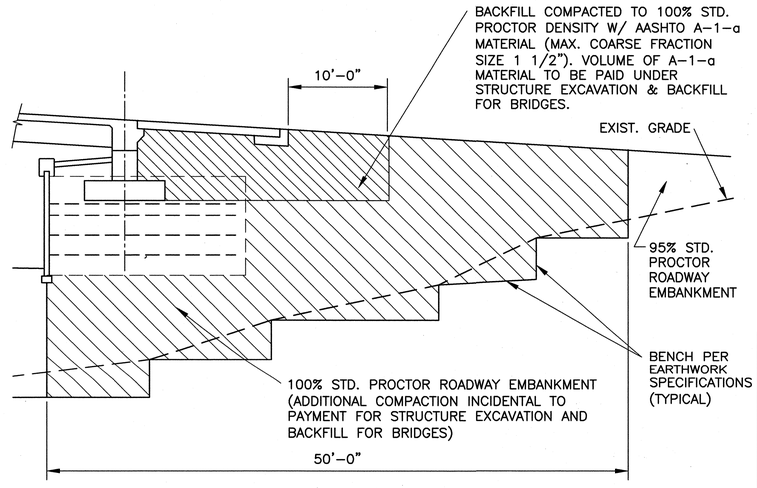


CONTROL JOINT DETAIL (OPTIONAL CONSTRUCTION JOINT)
NO SCALE

SLOPE PAVEMENT

SLOPE PAVEMENT NOTES

1. CONCRETE: 3000 PSI (MINIMUM 28 DAY STRENGTH), EXTERIOR, PER SECTION 101 OF THE SPECIFICATIONS. A HIGHER CONCRETE STRENGTH IS PERMISSIBLE AT NO ADDITIONAL COST TO THE CITY.
2. REFER TO SECTION 6 OF THE PLANS FOR COLORING AND OTHER ARTISTIC REQUIREMENTS FOR THE SLOPE PAVEMENT.
3. SEE SHEET 8–2 FOR SLOPE PAVEMENT LIMITS. SEE SHEET 8–1 FOR ESTIMATED QUANTITIES.
4. JOINT FILLER: PREFORMED BITUMINOUS JOINT FILLER PER AASHTO M213. COST OF FILLER IS INCIDENTAL TO THE WORK.
5. CONTROL JOINTS: INSTALL CONTROL JOINTS PARALLEL TO ℄ BRIDGE, AND AT A UNIFORM SPACING OF 15' MINIMUM AND 30' MAXIMUM.
6. WELDED WIRE REINFORCEMENT: ASTM A 185. USE A MINIMUNM 6" LAP AT ALL REINFORCEMENT SPLICES. THE COST OF ALL REINFORCEMENT IS INCIDENTAL TO THE WORK.
7. EXCAVATION FOR SLOPE PAVEMENT: COST IS INCIDENTAL TO THE WORK.
8. CONSTRUCTION JOINTS: LOCATE CONSTRUCTION JOINTS SO AS TO COINCIDE WITH CONTROL JOINT LOCATIONS.
9. QUANTITY OF STRUCTURAL CONCRETE FOR SLOPE PAVEMENT IS THE AREA OF THE EXPOSED SLOPE PAVEMENT SURFACE.



BACKFILL COMPACTION DETAIL AT ABUTMENTS

NO SCALE

SEE REVISED SHEET.

BENCH MARKS

THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED 'ACS 1-C11'
1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION

CONTRACTOR: Sais Bros. DATE: 1/08
WORK STAKED BY: Survtek DATE
WORK ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY: Wilson+Co. DATE: 1/08

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REVISIONS / REMARKS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	GWK	DATE FEB 2005
DRAWN BY	CRH	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
STRUCTURE LOCATION PROFILE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE	APPROVED DEC 15 2005 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	8-3	

WILSON & COMPANY

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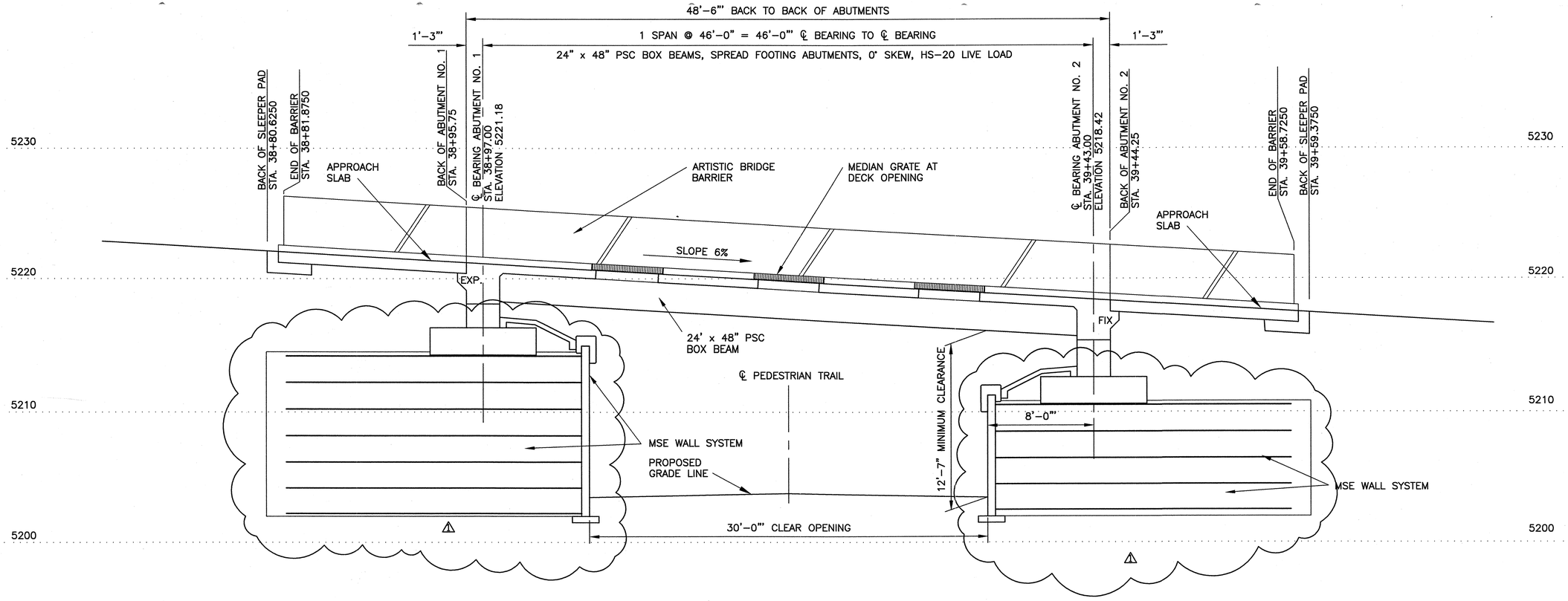
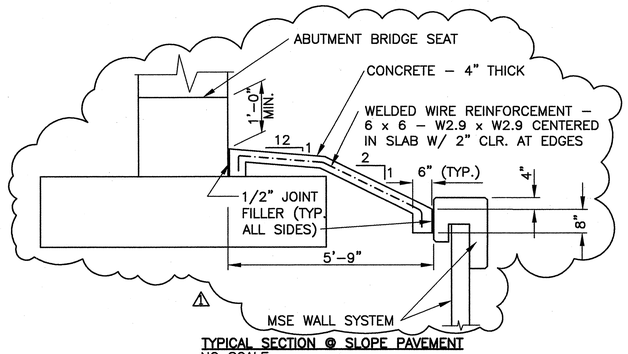
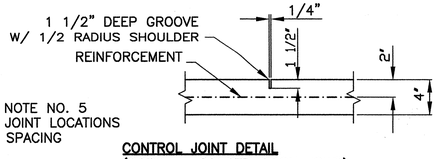


STRUCTURE LOCATION PROFILE

SCALE : 1/4" = 1'-0"



TYPICAL SECTION @ SLOPE PAVEMENT
NO SCALE

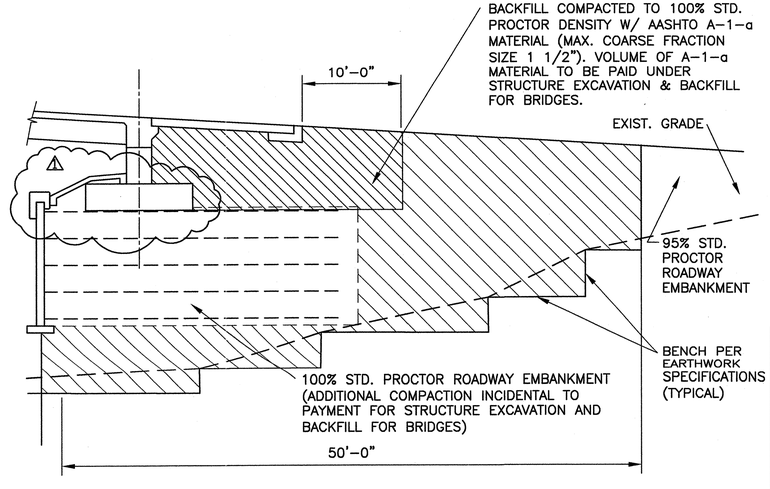


CONTROL JOINT DETAIL (OPTIONAL CONSTRUCTION JOINT)
NO SCALE

SLOPE PAVEMENT

SLOPE PAVEMENT NOTES

1. CONCRETE: 3000 PSI (MINIMUM 28 DAY STRENGTH), EXTERIOR, PER SECTION 101 OF THE SPECIFICATIONS. A HIGHER CONCRETE STRENGTH IS PERMISSIBLE AT NO ADDITIONAL COST TO THE CITY.
2. REFER TO SECTION 6 OF THE PLANS FOR COLORING AND OTHER ARTISTIC REQUIREMENTS FOR THE SLOPE PAVEMENT.
3. SEE SHEET 8-2 FOR SLOPE PAVEMENT LIMITS. SEE SHEET 8-1 FOR ESTIMATED QUANTITIES.
4. JOINT FILLER: PREFORMED BITUMINOUS JOINT FILLER PER AASHTO M213. COST OF FILLER IS INCIDENTAL TO THE WORK.
5. CONTROL JOINTS: INSTALL CONTROL JOINTS PARALLEL TO ℄ BRIDGE, AND AT A UNIFORM SPACING OF 15' MINIMUM AND 30' MAXIMUM.
6. WELDED WIRE REINFORCEMENT: ASTM A 185. USE A MINIMUNM 6" LAP AT ALL REINFORCEMENT SPLICES. THE COST OF ALL REINFORCEMENT IS INCIDENTAL TO THE WORK.
7. EXCAVATION FOR SLOPE PAVEMENT: COST IS INCIDENTAL TO THE WORK.
8. CONSTRUCTION JOINTS: LOCATE CONSTRUCTION JOINTS SO AS TO COINCIDE WITH CONTROL JOINT LOCATIONS.
9. QUANTITY OF STRUCTURAL CONCRETE FOR SLOPE PAVEMENT IS THE AREA OF THE EXPOSED SLOPE PAVEMENT SURFACE.



BACKFILL COMPACTION DETAIL AT ABUTMENTS

NO SCALE

AS-BUILT INFORMATION
CONTRACTOR: Salls Bros. DATE 1/06
WORK STAKED BY: Sunrise
INSPECTION & ACCEPTANCE BY: DATE
VERIFICATION BY: DATE
DRAWINGS CORRECTED BY: Wilson+Co DATE 1/06
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REMARKS	BY
1	MAY '06	MSE WALLS REVISIONS	CRH

REVISIONS
WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	GWK	DATE FEB 2005
DRAWN BY	CRH	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
STRUCTURE LOCATION PROFILE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	8-3	

WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 8\Sht. 8-3- bridge profile.dwg

KLEINFELDER

Boring Log

Sheet 1 of 2

Date Started: 9/28/2004	Project Number 50001	Project: Paseo del Norte Extension		Boring No. B-1
Date Completed: 9/28/2004				
Date Backfilled: 9/28/2004	Rig Type: CME-75	Surface Elevation:5190.0'	Logged By: C. Bhongir	
Northing:	Easting:	Location: 39+00, 75' N. of centerline		

Groundwater: Depth (ft): none; Hour: ; Date: 9/28/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3 " O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Depth (ft)	Graphical Log	Sample Taken	Sample Type	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve
0			SPT	13					
			SPT	9					
5									
			SPT	29					
10			SPT	73					
15			SPT	50/3"					
20			SPT	50/3"					
25			SPT	68					

Visual Classification

SAND (SP) - light brown, dry, stiff, fine grained sand, poorly graded, trace Basalt, weakly cemented.

9.0' El. 5181.0'

SANDY GRAVEL (GP) - gray, dry, very dense, medium grained gravel, poorly graded, weakly cemented.

17.0' El. 5173.0'

BASALT - light gray, coarse grained, slightly weathered, moderately hard, thinly bedded, slightly fractured, rough, vesicular.

24.0' El. 5166.0'

SANDY GRAVEL (GP) - gray, very dense, fine grained gravel, poorly graded.

Kleinfelder Inc., Copyright 10/25/2004

KLEINFELDER

Boring Log

Sheet 2 of 2

Date Started: 9/28/2004	Project Number 50001	Project: Paseo del Norte Extension		Boring No. B-1
Date Completed: 9/28/2004				
Date Backfilled: 9/28/2004	Rig Type: CME-75	Surface Elevation:5190.0'	Logged By: C. Bhongir	
Northing:	Easting:	Location: 39+00, 75' N. of centerline		

Groundwater: Depth (ft): none; Hour: ; Date: 9/28/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3 " O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Depth (ft)	Graphical Log	Sample Taken	Sample Type	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve
30			SPT	68					
			SPT	68					
35									
			SPT	50/5"					
40			SPT	50/5½"					

Visual Classification

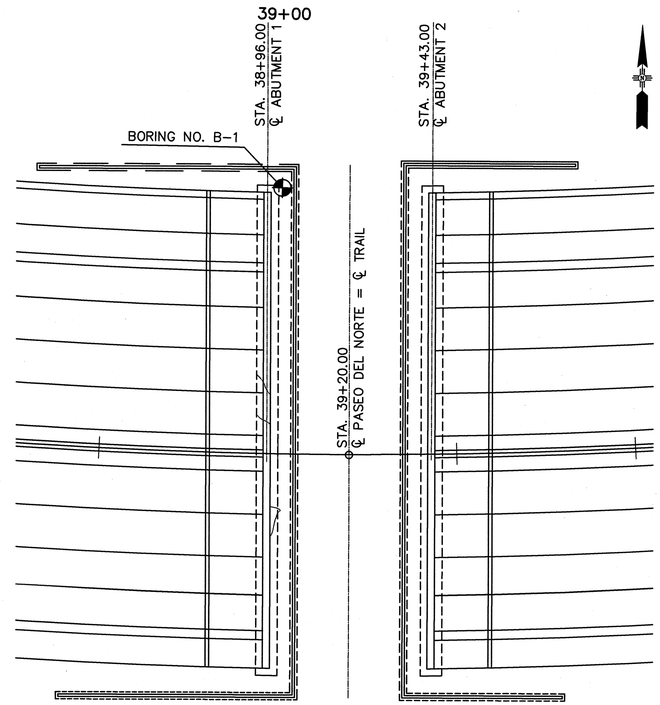
SANDY GRAVEL (GP) - gray, very dense, fine grained gravel, poorly graded.

31.0' El. 5159.0'

GRAVELLY SAND (SP) - gray, dry, very dense, fine grained sand, poorly graded, weakly cemented.

44.5' El. 5145.5'

Total Depth 44.5'



BORING HOLE LOCATION PLAN

SCALE: 1:20

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

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AS-BUILT INFORMATION

CONTRACTOR: Soils Bros. DATE 1/08

INSPECTOR'S REPORTS STAKED BY: Surv-Tek DATE

FIELD INSPECTION BY DATE

DRAWINGS CORRECTED BY: Wilson & Co DATE 1/08

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

ENGINEER'S SEAL

GARY W. KINCHEN NEW MEXICO 14366 PROFESSIONAL ENGINEER

DECEMBER 02, 2005

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	GWK	DATE FEB 2005
DRAWN BY	CRH	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
FOUNDATION DATA

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE	APPROVED DEC 15 2005 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	8-4	

WILSON & COMPANY

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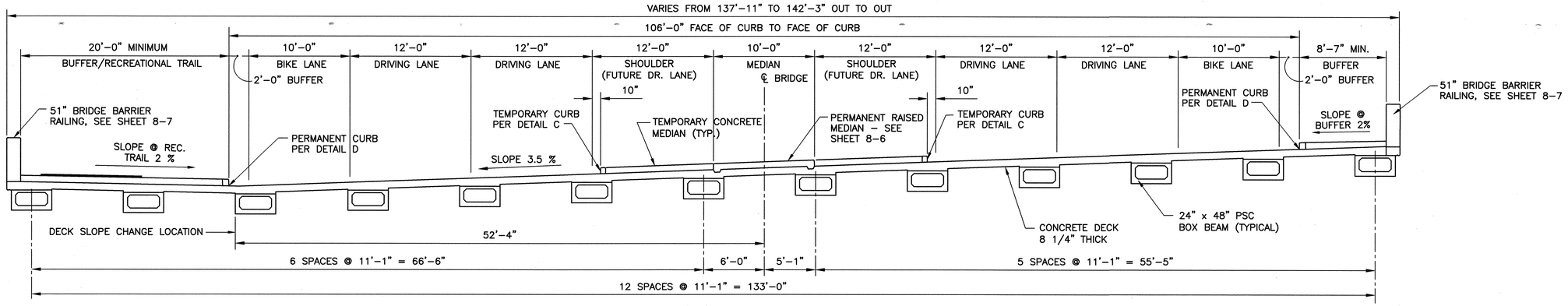
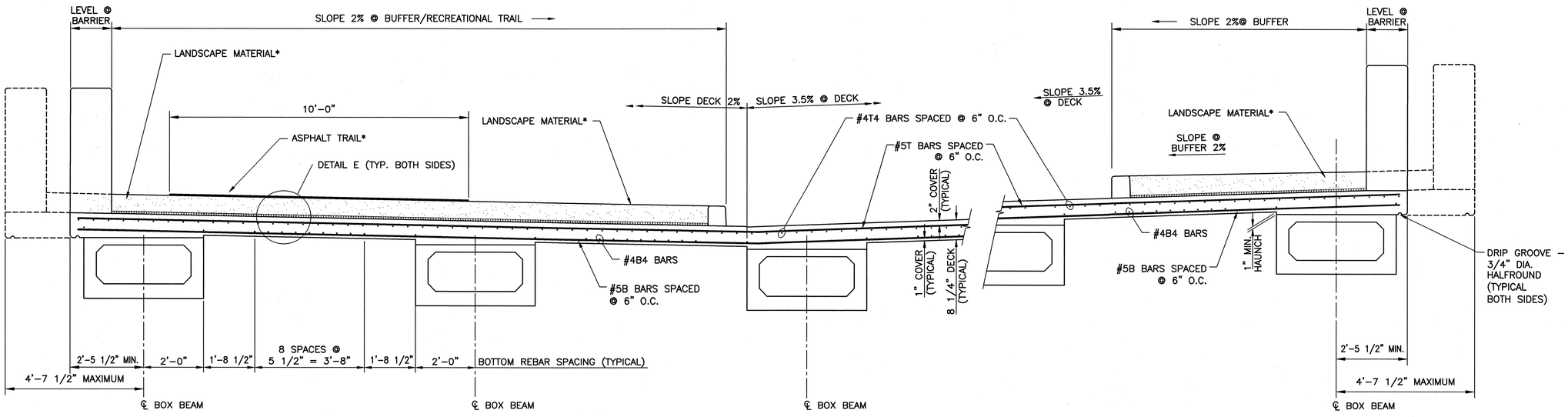


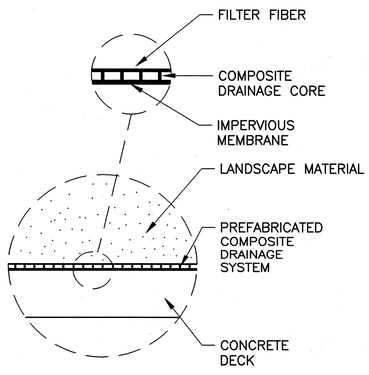
TYPICAL BRIDGE SECTION
SCALE 1/4" = 1'-0"



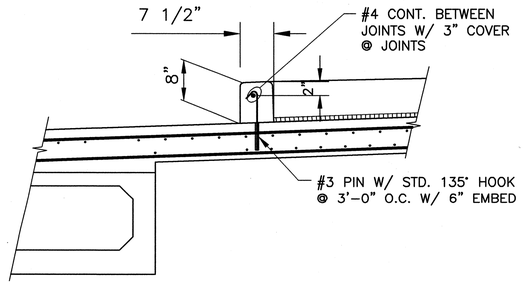
DETAIL A – DECK REINFORCING
SCALE 3/4" = 1'-0"

* NOT INCLUDED IN BRIDGE QUANTITIES. SEE ROADWAY PLANS.

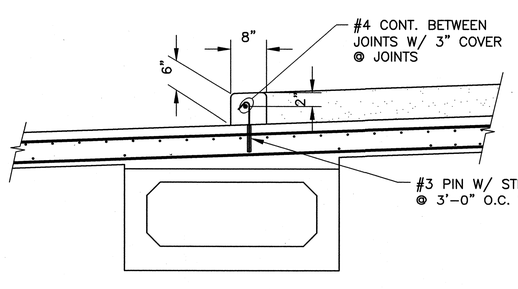
DETAIL B – DECK REINFORCING
SCALE 3/4" = 1'-0"



DETAIL E
NO SCALE



DETAIL D – PERMANENT CURB
SCALE 3/4" = 1'-0"



DETAIL C – TEMPORARY CURB
SCALE 3/4" = 1'-0"

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AS-BUILT INFORMATION
CONTRACTOR: Solis Bros. DATE: 1/06
WORK STAKED BY: Sunrise DATE
ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY: Wilson & Co. DATE: 1/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	GWK	DATE	FEB 2005
DRAWN BY	CRH	DATE	FEB 2005
CHECKED BY	SFP	DATE	FEB 2005

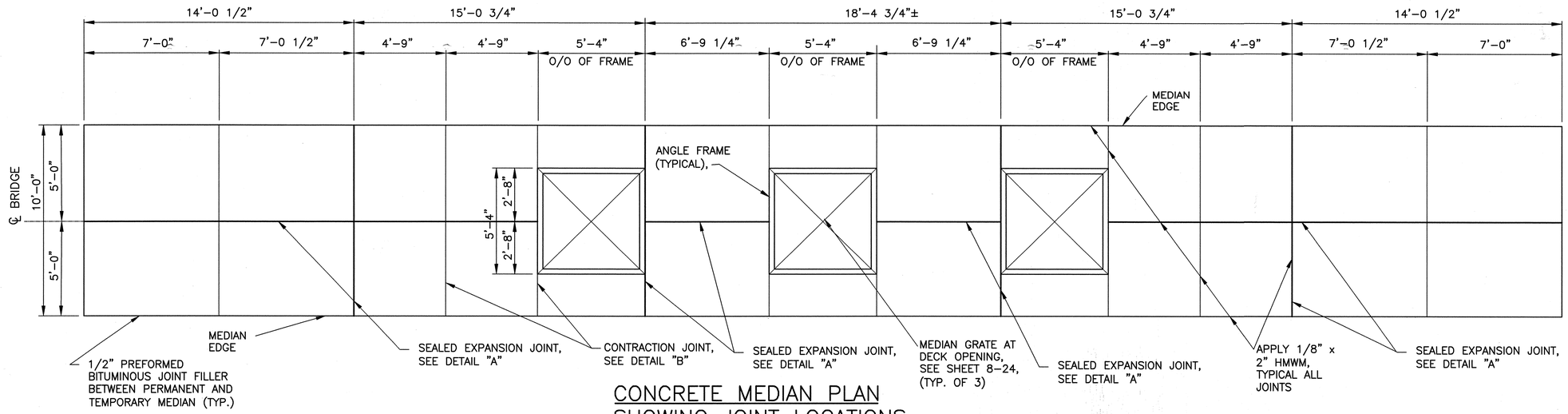
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
TYPICAL SECTION

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE	APPROVED DEC 15 2005 CITY ENGINEER			

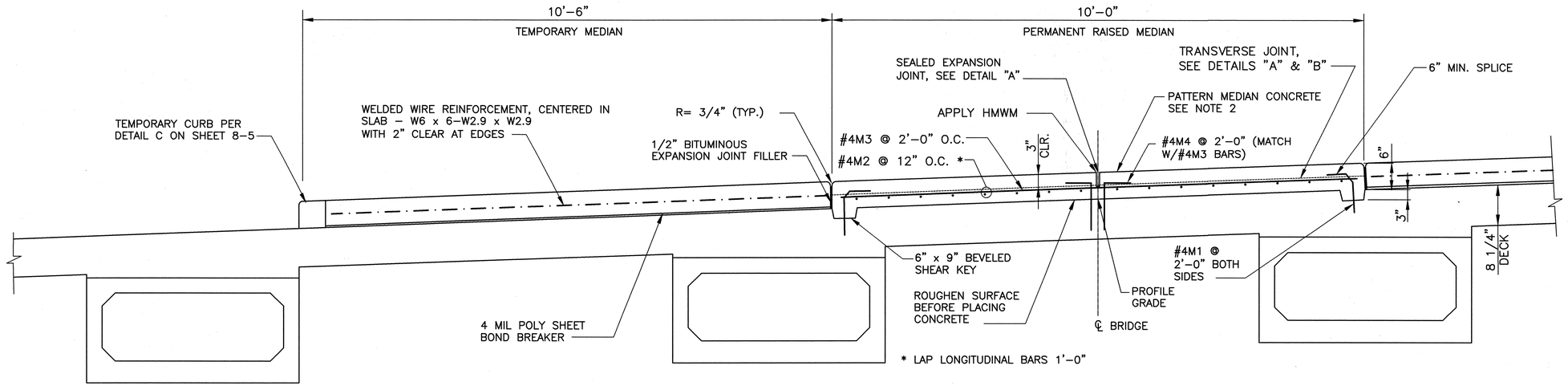
City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	8-5	

WILSON & COMPANY



CONCRETE MEDIAN PLAN SHOWING JOINT LOCATIONS

NO SCALE



CONCRETE MEDIAN SECTION

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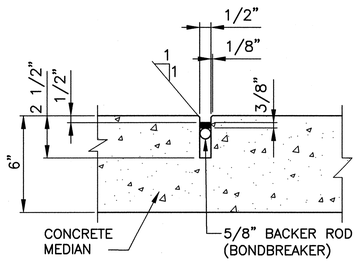
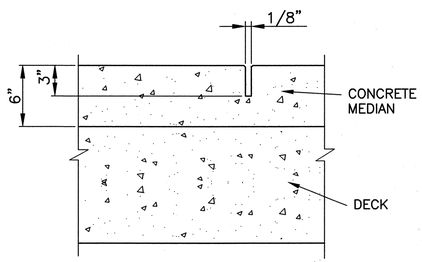


SEALED EXPANSION JOINT LONGITUDINAL & TRANSVERSE

DETAIL "A"

NO SCALE



TRANSVERSE CONTRACTION JOINT

DETAIL "B"

NO SCALE

CONCRETE MEDIAN NOTES

1. CONSTRUCT MEDIAN JOINTS FOR FULL LENGTH OF BRIDGE & APPROACH SLABS.
2. TEMPORARY MEDIANS: DETAILS SHOWN ABOVE FOR LEFT TEMPORARY MEDIAN ARE TYPICAL FOR BOTH TEMPORARY MEDIANS. PROVIDE JOINT PATTERN TO MATCH PATTERN SHOWN ON THIS SHEET FOR THE PERMANENT MEDIAN.
3. PERMANENT AND TEMPORARY MEDIANS HAVE SURFACE PATTERN AND TEXTURE REQUIREMENTS. REFER TO SECTION 6 OF PLANS FOR DETAILED REQUIREMENTS.
4. HMWM = HIGH MOLECULAR WEIGHT METHACRYLATE, SUPPLEMENTAL TECHNICAL SPECIFICATION 591.
5. SEALED EXPANSION JOINTS SEE SUPPLEMENTAL TECHNICAL SPECIFICATIONS 580.
6. THE COST OF ALL ITEMS ASSOCIATED WITH THE PERMANENT (AND TEMPORARY) MEDIAN CONSTRUCTION, EXCEPT FOR SEALED EXPANSION JOINTS, IS INCLUDED IN AND INCIDENTAL TO SUPERSTRUCTURE CONCRETE.
7. THE COST OF SEALED EXPANSION JOINTS IS INCLUDED IN THE BID ITEM "SEALED EXPANSION JOINTS", AND PAID FOR IN ACCORDANCE WITH SUPPLEMENTAL TECHNICAL SPECIFICATION 580.

BENCH MARKS

THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION

CONTRACTOR Salis Bros. DATE 1/08
WORK STAKED BY: Surv-Tek DATE
MONUMENTS ACCEPTANCE BY DATE
FIELD LOCATION BY DATE
DRAWINGS CORRECTED BY Wilson+Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY GWK DATE FEB 2005
DRAWN BY CRH DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
MEDIAN DETAILS

Design Review Committee: APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 16 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C-11
Sheet 8-6 Of

WILSON & COMPANY

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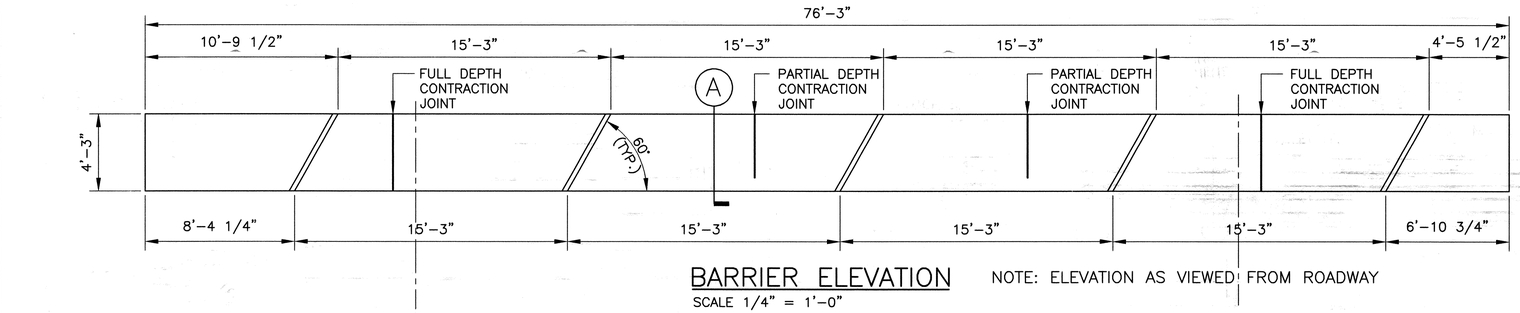
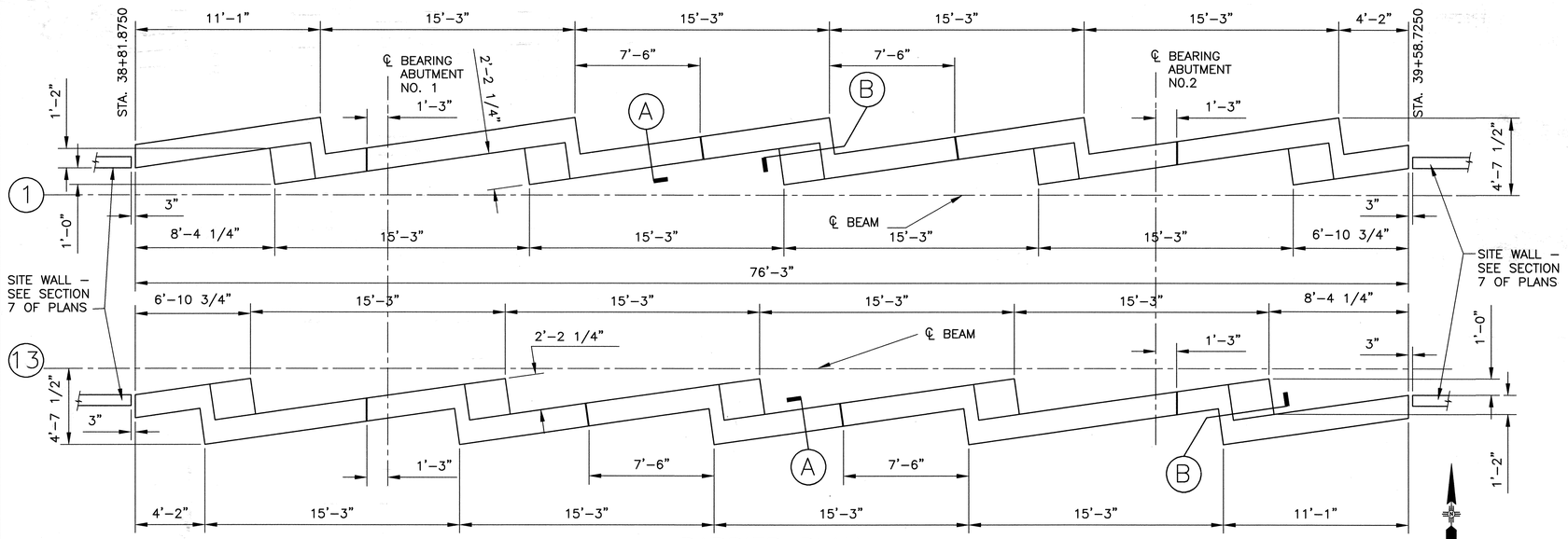


BARRIER ELEVATION

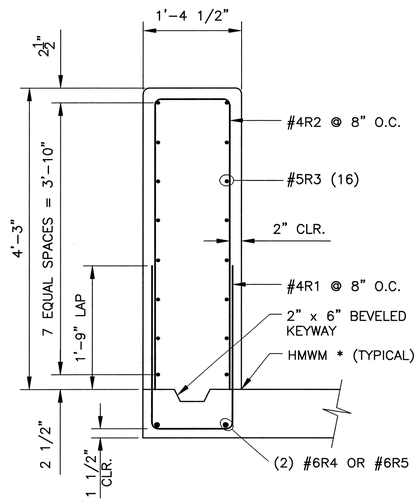
NOTE: ELEVATION AS VIEWED FROM ROADWAY

SCALE 1/4" = 1'-0"



BARRIER PLAN

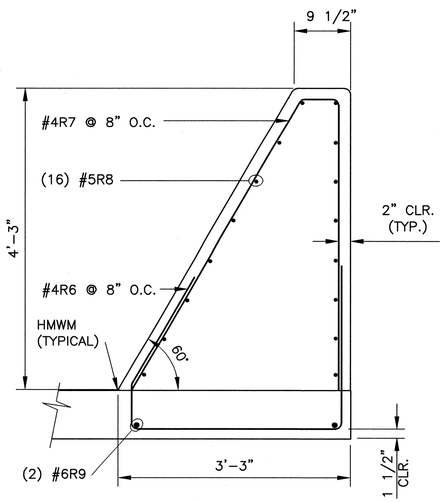
SCALE 1/4" = 1'-0"



*HMWM =HIGH MOLECULAR WEIGHT METHACRYLATE

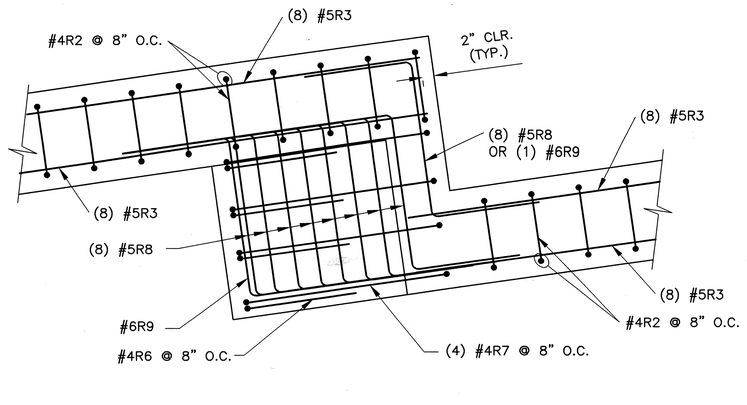
SECTION A

SCALE 1" = 1'-0"



SECTION B

SCALE 1" = 1'-0"

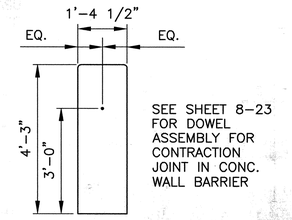


PLAN

SCALE 1" = 1'-0"

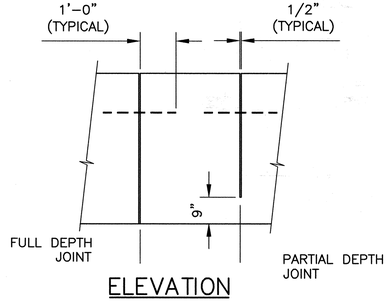
GENERAL NOTES FOR ARTISTIC BRIDGE BARRIER

1. REFER TO GENERAL NOTES ON SHEET 8-1 FOR REQUIREMENTS NOT LISTED HERE.
2. REFER TO SECTION 6 OF PLANS FOR CONCRETE SURFACE TREATMENTS TO BE APPLIED TO ARTISTIC BRIDGE BARRIER.
3. CONCRETE: 4000 PSI CONCRETE PER SECTION 101. CHAMFER ALL EXPOSED EDGES OF STRUCTURES 3/4" UNLESS OTHERWISE NOTED.
4. REINFORCING BARS: AASHTO M 31, GRADE 60. FURNISH EPOXY-COATED BARS FOR ALL BARRIER REINFORCING. PROVIDE 2" CONCRETE CLEAR COVER UNLESS OTHERWISE NOTED. DIMENSIONS SHOWN REFER TO THE CENTERLINE OF BARS UNLESS OTHERWISE NOTED.
5. DOWELS: AASHTO M 183, GALVANIZED.
6. PREFORMED BITUMINOUS JOINT FILLER: AASHTO M213.
7. PENETRATING WATER REPELLENT: SEE SUPPLEMENTS TECHNICAL SPECIFICATION 590. APPLY PENETRATING WATER REPELLANT TREATMENT TO ALL EXPOSED SURFACES OF ARTISTIC BRIDGE BARRIER
8. DISCONTINUE HORIZONTAL REINFORCEMENT AT ALL JOINT OPENINGS.
9. CLEAN AND ROUGHEN CONSTRUCTION JOINT BETWEEN BRIDGE DECK AND BARRIER PRIOR TO PLACING BARRIER CONCRETE.
10. PRICE PER LINEAR FOOT FOR SPECIAL BRIDGE BARRIER INCLUDES ALL COMPLETELY EMBEDDED REINFORCING STEEL, DOWELS, AND ANY OTHER COMPLETELY EMBEDDED OR APPURTENANT STEEL ITEMS.



SEE SHEET 8-23 FOR DOWEL ASSEMBLY FOR CONTRACTION JOINT IN CONC. WALL BARRIER

SECTION



ELEVATION

CONTRACTION JOINT DETAIL

SCALE 1/2" = 1'-0"

AS-BUILT INFORMATION
CONTRACTOR Solis Bros. DATE 1/08
WORK STAKED BY Survtek DATE
INSPECTION'S PERFORMED BY DATE
FIELD CHANGES ENTERED BY DATE
DRAWINGS CORRECTED BY Wilson+Co DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
BARRIER DETAILS

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C-11
Sheet 8-7 Of

WILSON & COMPANY

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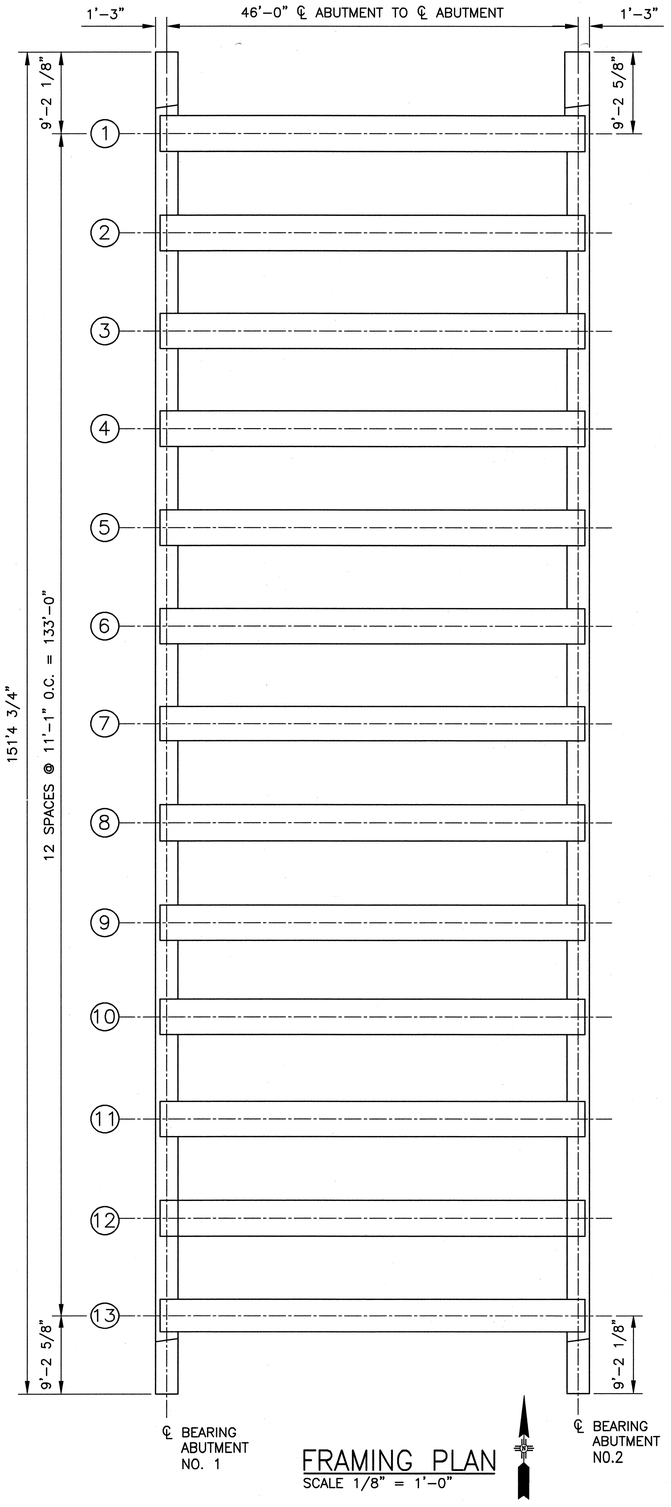
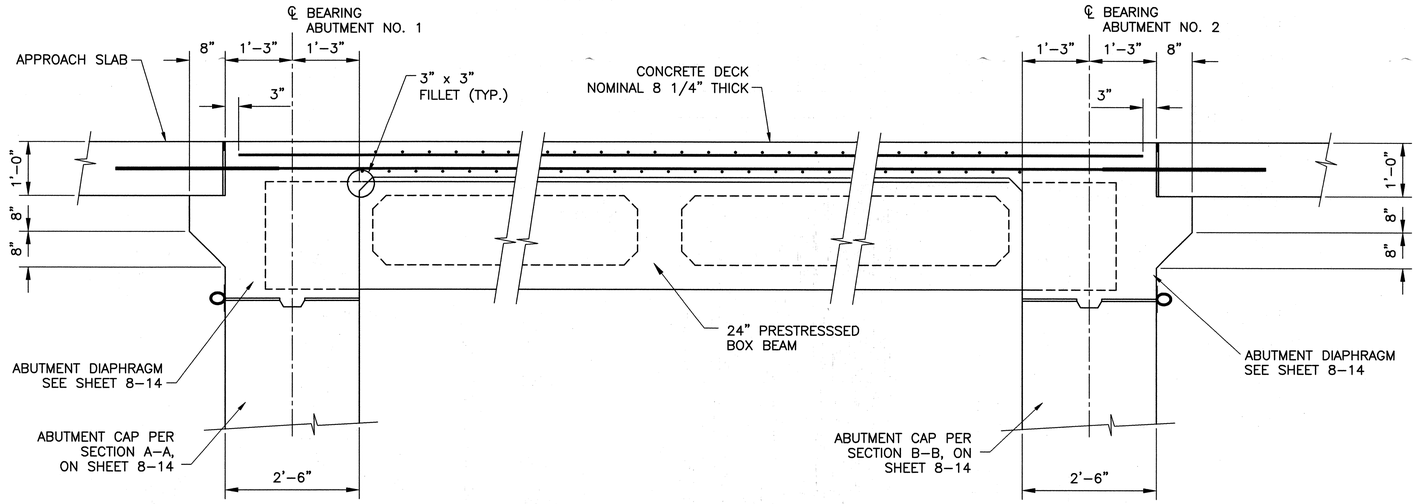


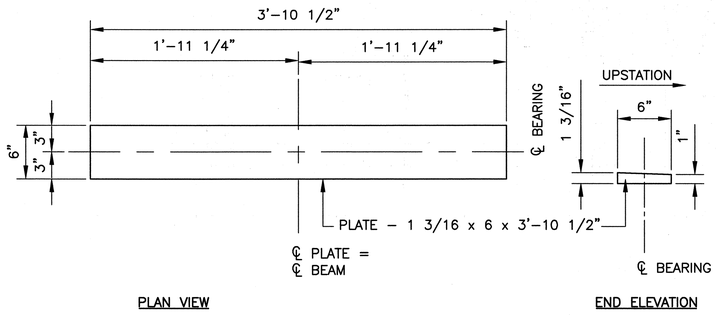
FRAMING PLAN
SCALE 1/8" = 1'-0"



ABUTMENT NO. 1 — ABUTMENT NO. 2

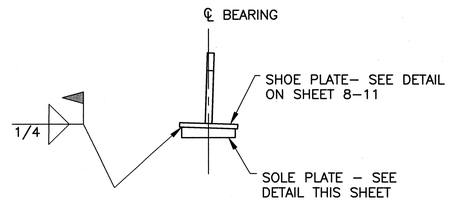
LONGITUDINAL SECTION
SCALE 3/4" = 1'-0"

NOTE: DIMENSIONS MEASURED PERPENDICULAR TO ℄ OF ABUTMENTS, U.O.N.

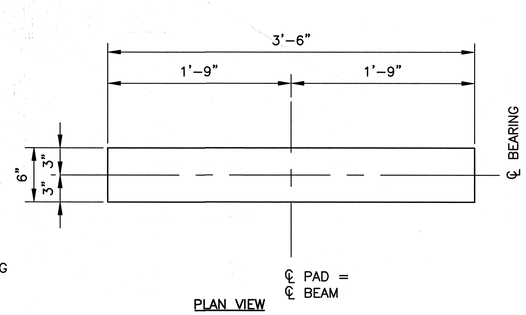


PLAN VIEW — END ELEVATION

SOLE PLATE DETAIL
SCALE 1 1/2" = 1'-0"

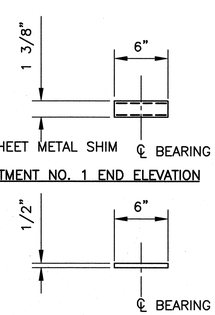


SHOE/SOLE PLATE WELDMENT DETAIL
SCALE 1 1/2" = 1'-0"



PLAN VIEW

ELASTOMERIC BEARING PAD
SCALE 1 1/2" = 1'-0"



ABUTMENT NO. 1 END ELEVATION — ABUTMENT NO. 2 END ELEVATION

BEARING PAD NOTES:

1. ELASTOMER: 60 DUROMETER HARDNESS.
2. SHEET METAL SHIMS: ASTM A 366 OR A 569.
3. SOLE PLATES: AASHTO M-183.
4. COAT TOP OF BEARING PAD W/ SILICONE GREASE PRIOR TO SETTING BOX BEAM.
5. COST OF ELASTOMERIC BEARING PADS, SOLE PLATES, AND ALL OTHER ASSOCIATED MATERIALS AND LABOR IS INCIDENTAL TO PRESTRESSED CONCRETE BOX BEAM, 24".

ELASTOMERIC BEARING PAD SCHEDULE

LOCATION	NO. INTERNAL LAMS	NO. SHIMS	INTERNAL LAM THICKNESS (IN)	SHIM THICKNESS (IN)	TOTAL THICKNESS * (IN)	Δ (IN)	TOTAL THICKNESS - Δ (IN)	DESIGN LOAD (K)	
								DL	LL
ABUTMENT NO. 1	1	2	5/8	1/8	1 3/8	1/16	1 1/4	63.9	48.3
ABUTMENT NO. 2	1	-	1/2	-	1/2	1/16	7/16	63.9	48.3

* INCLUDES (2) 1/4" COVER LAMS FOR ABUTMENT NO. 1 BEARING PADS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.I. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION
CONTRACTOR Salis Bros. Surveyz DATE 1/08
WORK STAKED BY DATE
WORK ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson+Co DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE FEB 2005
DRAWN BY CRH DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
FRAMING PLAN AND LONGITUDINAL SECTION

Design Review Committee: APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 15 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 8-8 Of

WILSON & COMPANY

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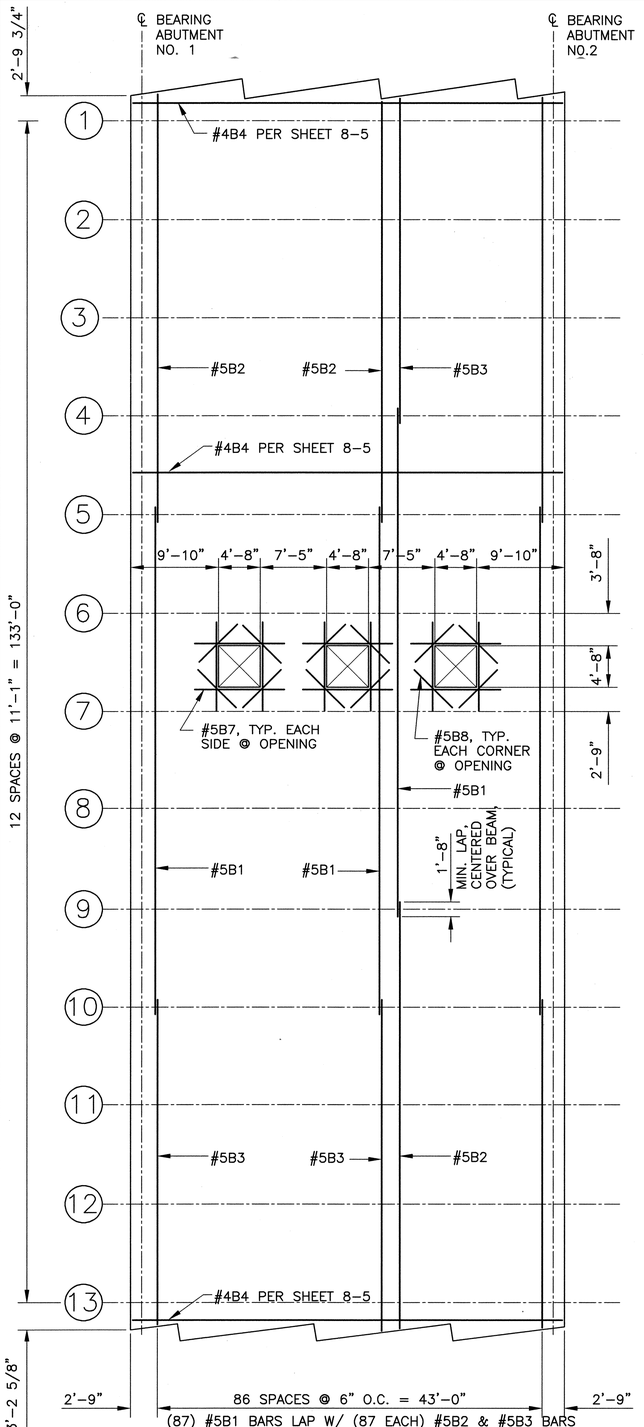
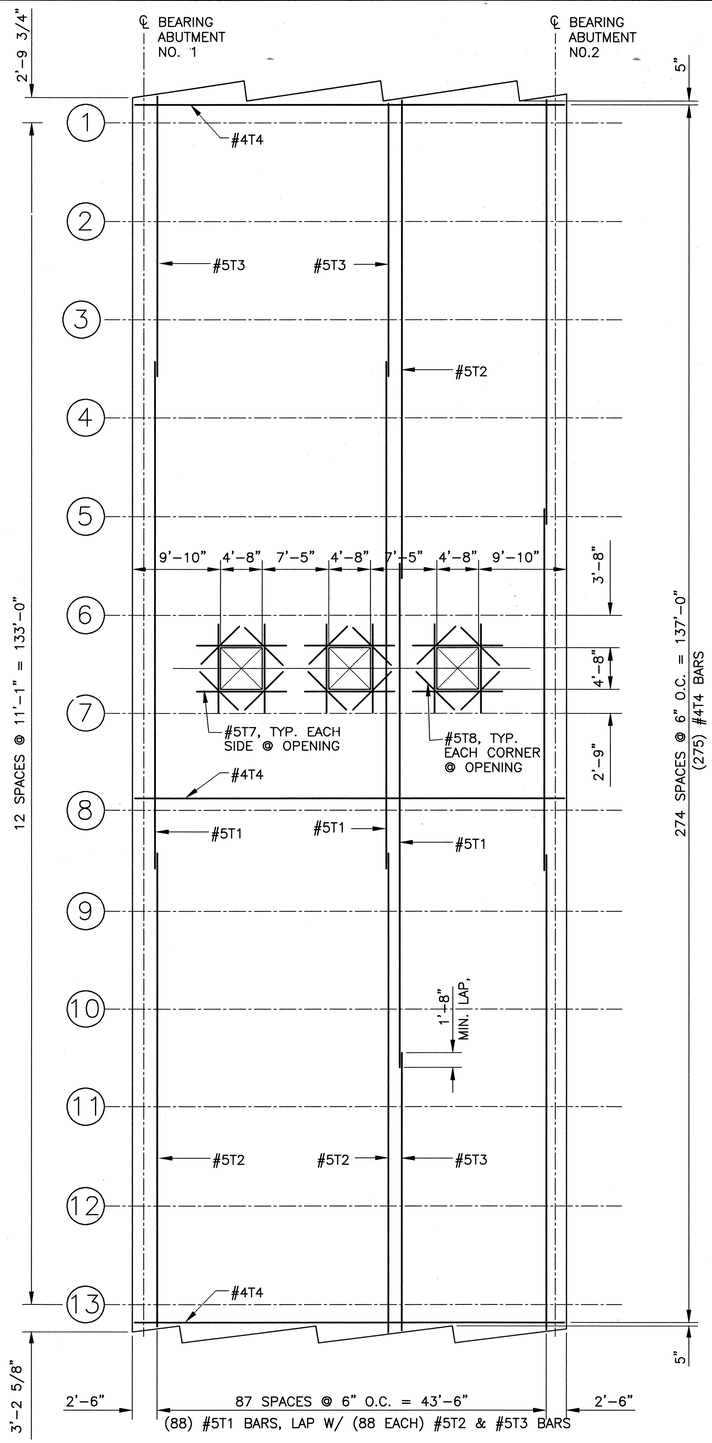


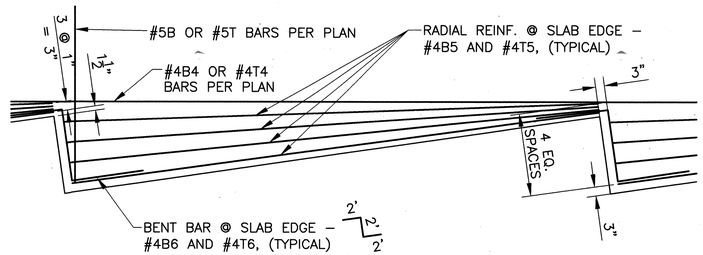
NOTE:
ALTERNATE LAPS AS SHOWN.

BOTTOM DECK REINFORCEMENT PLAN
SCALE 1/8" = 1'-0"



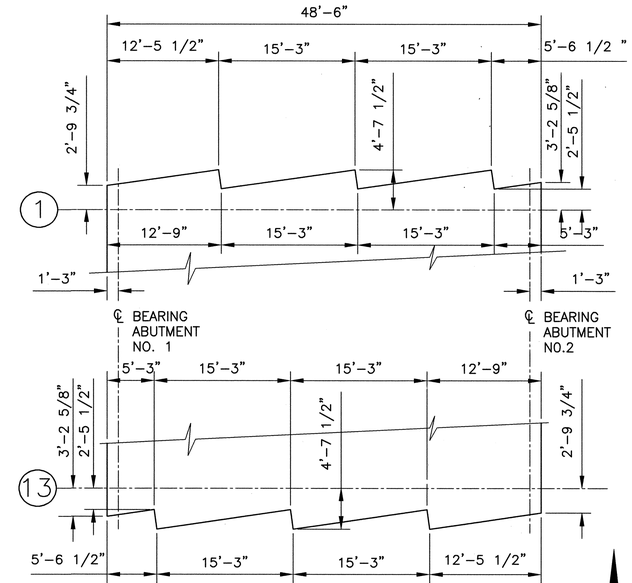
NOTE:
ALTERNATE LAPS AS SHOWN.

TOP DECK REINFORCEMENT PLAN
SCALE 1/8" = 1'-0"



TOP AND BOTTOM DECK EDGE REINFORCEMENT LAYOUT PLAN
SCALE 1/2" = 1'-0"

NOTE:
CUT #4T5 & #4B5 BARS AS NEEDED TO FIT SMALLER EDGE AREAS AT NE & SW CORNERS OF DECK.



DECK EDGE DIMENSIONAL LAYOUT PLAN
SCALE 1/8" = 1'-0"

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AS-BUILT INFORMATION
CONTRACTOR: Solis Bros. DATE: 1/08
WORK STAKED BY: Surytek DATE
INSPECTOR'S INITIALS DATE
FIELD REVISIONS BY DATE
DRAWINGS CORRECTED BY: Wilson+Co. DATE: 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS / REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS DATE OCT 13, 2004

DESIGNED BY	GWK	DATE 2004
DRAWN BY	CRH	DATE 2004
CHECKED BY	SFP	DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
DECK REINFORCEMENT PLAN

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER

Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 8-9 Of

WILSON & COMPANY

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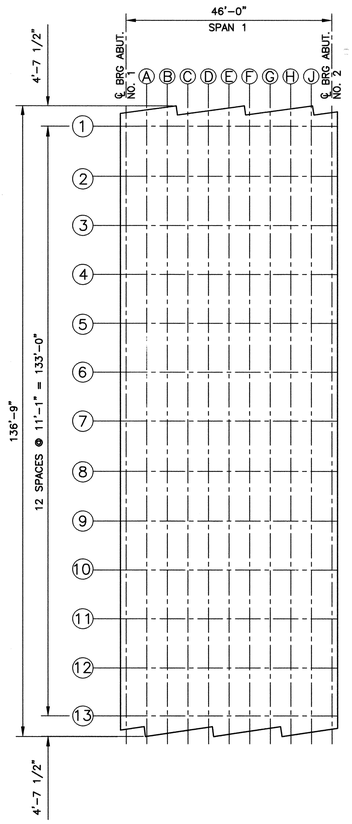
DECK ELEVATIONS

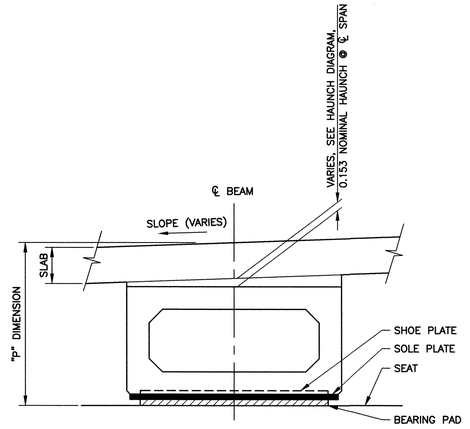
	℄/L BRG. ABUT. 1	1/10 POINTS									℄/L BRG. ABUT. 2
		Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	Ⓙ	
Left Edge	5219.856	5219.578	5219.299	5218.977	5218.699	5218.420	5218.100	5217.824	5217.549	5217.273	5216.953
1	5219.822	5219.531	5219.239	5218.948	5218.657	5218.365	5218.077	5217.788	5217.499	5217.210	5216.922
2	5219.589	5219.300	5219.011	5218.722	5218.433	5218.144	5217.857	5217.571	5217.284	5216.998	5216.711
3	5219.466	5219.180	5218.893	5218.606	5218.319	5218.032	5217.748	5217.463	5217.179	5216.895	5216.611
4	5219.843	5219.559	5219.274	5218.989	5218.705	5218.420	5218.138	5217.856	5217.574	5217.291	5217.009
5	5220.221	5219.938	5219.656	5219.373	5219.091	5218.808	5218.528	5218.248	5217.968	5217.688	5217.408
6	5220.598	5220.318	5220.037	5219.757	5219.476	5219.196	5218.918	5218.640	5218.362	5218.084	5217.806
7	5220.976	5220.697	5220.419	5220.141	5219.862	5219.584	5219.308	5219.032	5218.756	5218.480	5218.204
8	5221.353	5221.077	5220.801	5220.524	5220.248	5219.972	5219.698	5219.424	5219.150	5218.876	5218.602
9	5221.731	5221.457	5221.182	5220.908	5220.634	5220.360	5220.088	5219.816	5219.544	5219.272	5219.000
10	5222.109	5221.837	5221.564	5221.292	5221.020	5220.748	5220.478	5220.208	5219.938	5219.668	5219.398
11	5222.487	5222.217	5221.946	5221.676	5221.406	5221.135	5220.868	5220.600	5220.332	5220.064	5219.796
12	5222.865	5222.597	5222.329	5222.060	5221.792	5221.523	5221.257	5220.991	5220.725	5220.459	5220.193
13	5223.244	5222.977	5222.711	5222.444	5222.178	5221.911	5221.647	5221.383	5221.119	5220.855	5220.591
Right Edge	5223.300	5223.088	5222.798	5222.509	5222.219	5222.007	5221.720	5221.433	5221.223	5220.936	5220.649



TOP OF DECK ELEVATIONS
SCALE 1:12

TABLE OF "P" DIMENSIONS

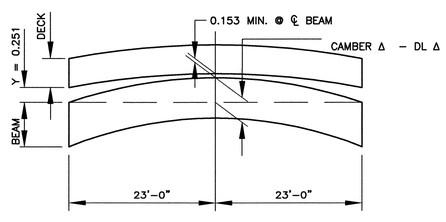
DESCRIPTION	DIMENSION (FT)	
	ABUTMENT 1	ABUTMENT 2
CONCRETE DECK	0.688	0.688
HAUNCH	0.251	0.251
BEAM	2.000	2.000
SOLE PLATE	0.099	0.099
BEARING PAD	0.109	0.042
TOTAL "P" DIMEN.	3.147	3.079



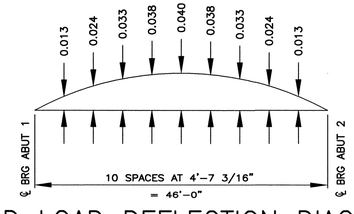
"P" DIMENSION
NO SCALE

NOTES:

1. TO COMPENSATE FOR DEAD LOAD DEFLECTION DUE TO WEIGHT OF SLAB AND SUPERIMPOSED DEAD LOADS, SET SCREEDS ABOVE DECK ELEVATIONS BY DIMENSION SHOWN IN DEAD LOAD DEFLECTION DIAGRAM.
2. DECK ELEVATIONS SHOWN ARE AT 10TH POINTS ALONG SPAN.
3. ALL ELEVATIONS AND DEFLECTIONS ON THIS SHEET ARE IN FEET.



TYPICAL HAUNCH DIAGRAM @ ℄ BEAM
NO SCALE



DEAD LOAD DEFLECTION DIAGRAM
NO SCALE

NOTE: THE HAUNCH DIMENSION "Y" IS BASED UPON COMPUTED CAMBER AND DEAD LOAD DEFLECTION AT CENTERLINE OF THE BEAM @ ERECTION BASED ON CAMBER GROWTH TO 90 DAYS. IF THE ACTUAL CAMBER DIFFERS FROM THE COMPUTED BEAM CAMBER ADJUST THE DIMENSIONS ACCORDINGLY.

Y = 0.153 + CAMBER – D.L.

AS-BUILT INFORMATION
CONTRACTOR Sais Bros. DATE 1/08
WORK STAKED BY Sunrise
WORK INSPECTED BY
ACCEPTANCE BY
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS DATE OCT 13, 2004
DESIGNED BY GWK DATE 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
DECK ELEVATIONS AND "P" DIMENSION

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update: Mo./Day/Yr.

Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C-11
Sheet 8 Of 10

WILSON & COMPANY

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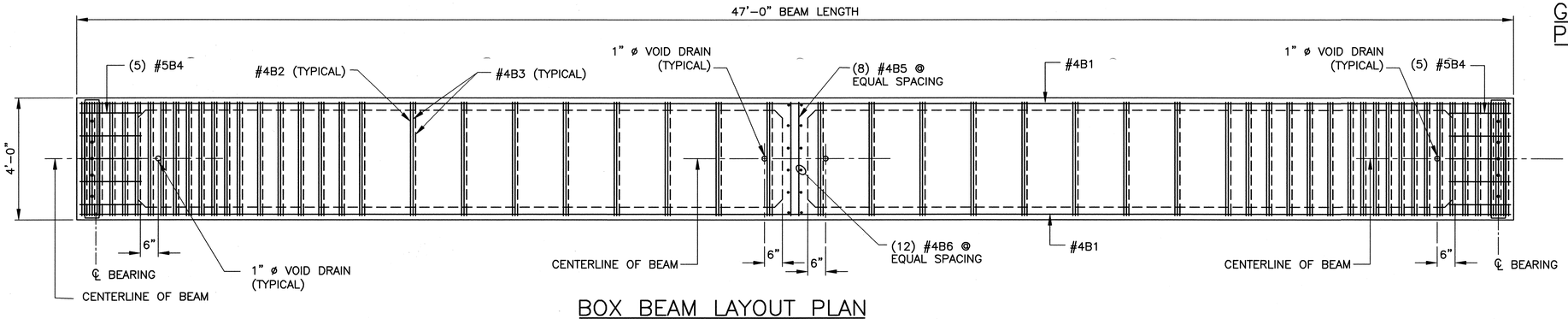
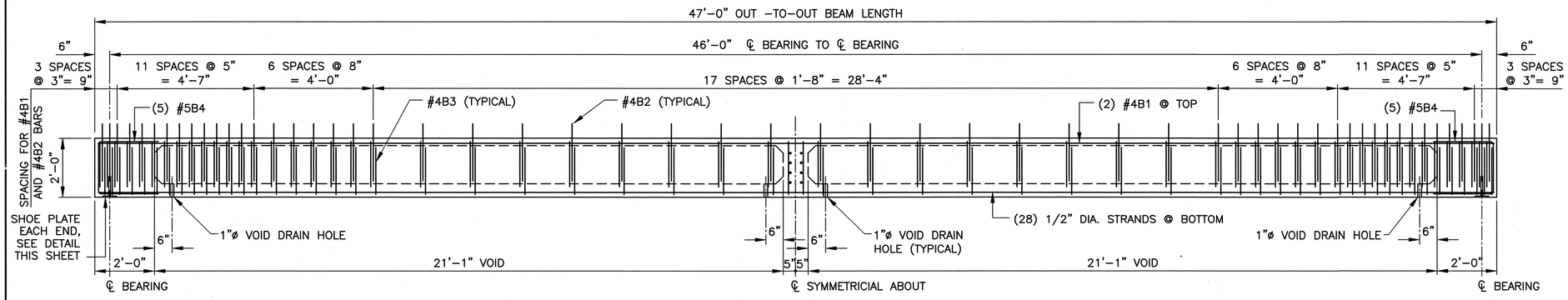


BOX BEAM LAYOUT PLAN

SCALE 1/2" = 1'-0"



BOX BEAM LONGITUDINAL SECTION PLAN

SCALE 1/2" = 1'-0"

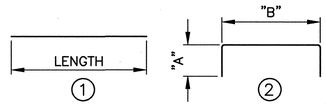
BEAM DATA

WEIGHT	CAMBER @ RELEASE	CAMBER @ ERECTION	DEAD LOAD DEFLECTION
15.7 TONS	1 1/4"	1 5/8"	1/2"

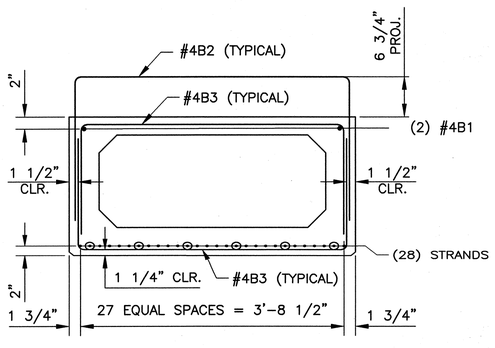
REINFORCING BARS REQUIRED FOR ONE BEAM

BAR	TYPE	SIZE	"A"	"B"	LENGTH	NO. REQ'D
B1	①	#4	–	–	46'-6"	2
B2	②	#4	1-11"	3'-9"	4'-7"	56
B3	②	#4	1-7"	3'-9"	6'-11"	112
B4	②	#5	2'-0"	1'-8"	5'-8"	10
B5	①	#4	–	–	3'-8"	8
B6	①	#4	–	–	1'-8"	12

BAR BENDING DIAGRAM



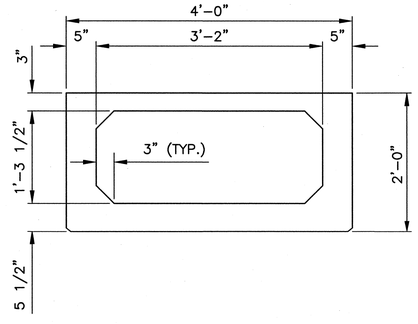
NOTES:
1. ALL DIMENSIONS ARE OUT TO OUT OF BARS.
2. MINIMUM BEND RADII TO ℄ OF BARS: 1 1/2" FOR #4 BARS & 1 7/8" FOR #5 BARS.



⊙ = DEBONDED STRANDS, DEBOND LENGTH = 3'-6" FROM BEAM ENDS

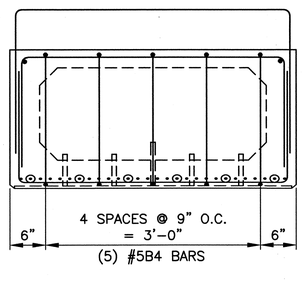
TYPICAL BOX BEAM SECTION

SCALE 1" = 1'-0"



TYPICAL BOX BEAM DIMENSIONS

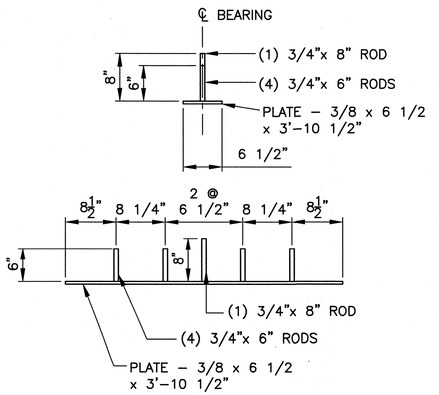
SCALE 1" = 1'-0"



NOTE: SEE TYPICAL SECTION FOR INFORMATION NOT SHOWN.

END SECTION

SCALE 1" = 1'-0"



SHOE PLATE

SCALE 1" = 1'-0"

GENERAL NOTES FOR PRESTRESSED BOX BEAMS:

1. INCLUDE COST OF REINFORCING BARS AND STRUCTURAL STEEL EMBEDDED IN BRIDGE BEAMS IN THE UNIT PRICE BID FOR PRESTRESSED CONCRETE BRIDGE MEMBER TYPE 24 BOX.
2. LIFT BEAMS BY MEANS OF DEVICES SATISFACTORY TO THE PROJECT ENGINEER. USE ONLY LIFTING DEVICES THAT HAVE BEEN PRIOR APPROVED BY THE PROJECT ENGINEER. CAST, STORE, AND HAUL BEAMS IN UPRIGHT POSITION.
3. THOROUGHLY WIRE BRUSH THE TOP SURFACE OF ALL BEAMS AFTER INITIAL SET TO PROVIDE A ROUGH SURFACE AND REMOVE LAITANCE.
4. THE CAMBER AT ERECTION DIMENSION LISTED IS THE CALCULATED VALUE DUE TO PRESTRESSING + BEAM WEIGHT. IT ALSO INCLUDES AN ALLOWANCE FOR CAMBER GROWTH TO 90 DAYS.
5. DEAD LOAD DEFLECTION IS THE COMPUTED DEFLECTION DUE TO WEIGHT OF SUPERIMPOSED DEAD LOAD.
6. THE DESIGN SHOWN IS BASED ON THE USE OF 1/2" DIAMETER LOW-RELAXATION STRANDS CONFORMING TO AASHTO M-203, GRADE 270. USE AN INITIAL PRESTRESSING FORCE OF 30,975 LBS/STRAND. SLIGHT PRESTRESSING UP TO 33,000 LBS./STRAND IS ALLOWED TO OFFSET SEATING LOSSES.

   IF STRAND CONFORMING TO AASHTO M-203, BUT WITH PROPERTIES OTHER THAN AS LISTED ABOVE ARE PROPOSED, SUBMIT REVISED DETAILS SHOWING NUMBER AND ARRANGEMENT OF ALTERNATE STRANDS FOR PROJECT ENGINEER'S APPROVAL.
7. TYPE III CEMENT MAY BE USED AT THE FABRICATOR'S OPTION.
8. USE EPOXY-COATED BARS FOR ALL REINFORCING BARS PROJECTING FROM THE TOP OF THE BEAM AND ALL BARS LOCATED WITHIN FOUR FEET OF THE BEAM ENDS.

DESIGN DATA:

DESIGN IS IN ACCORDANCE WITH THE 2002 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES (17TH EDITION).

CONCRETE:
f'ci = 5500 psi (MIN. COMPRESSIVE STRENGTH AT INITIAL PRESTRESS)

f'c = 7000 psi (MIN. COMPRESSIVE STRENGTH AT 28 DAYS)

PRESTRESSING STEEL: 1/2"-DIAMETER, SEVEN-WIRE, LOW-RELAXATION STRAND.
f's = 41,300 lbs/STRAND
f*y = 37,100 lbs/STRAND

CONVENTIONAL REINFORCING BARS:
fy = 60,000 psi

ALLOWANCE FOR FUTURE WEARING SURFACE: 30 psf

LIVE LOAD:HS20-44

AS-BUILT INFORMATION
CONTRACTOR: Solis Bros. DATE 1/08
BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED 'ACS 1-C11
1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)
WORK STAKED BY: Survey DATE
ACCEPTANCE BY: DATE
FIELD BOOK: DATE
DRAWINGS CORRECTED BY: Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 PROFESSIONAL ENGINEER
DECEMBER 02, 2005

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE FEB 2005
DRAWN BY CRH DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

REVISIONS
NO. DATE BY REMARKS

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
24" x 48" PRESTRESSED CONCRETE BOX BEAM

Design Review Committee: APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 16 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	8-11	

WILSON & COMPANY

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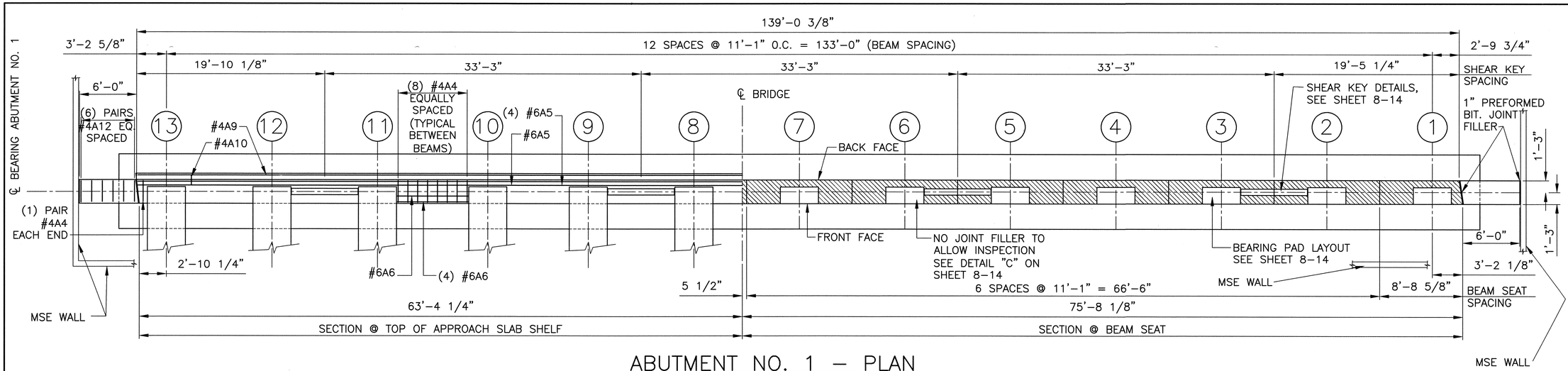
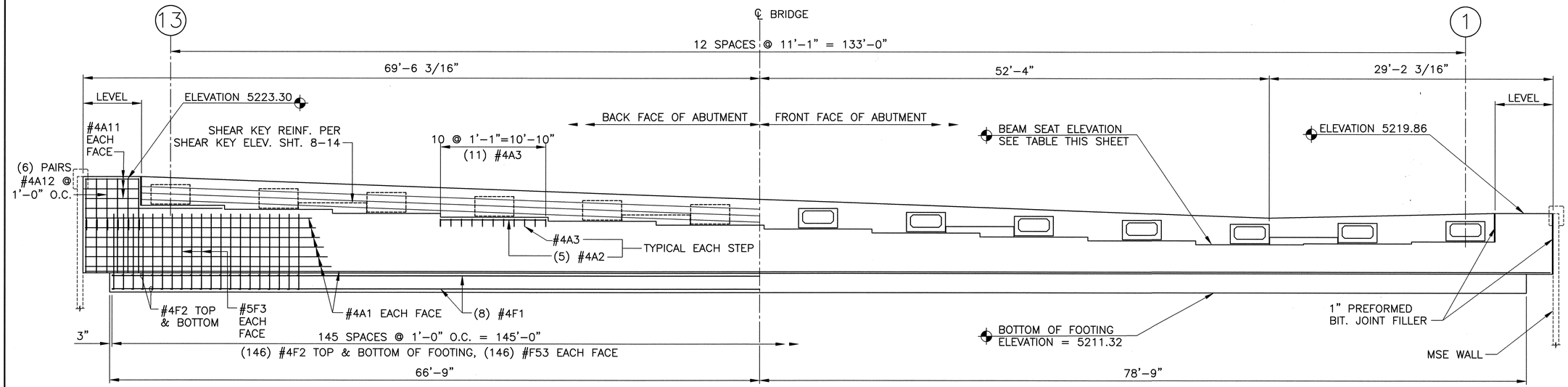


ABUTMENT NO. 1 – PLAN

SCALE 3/16" = 1'–0"



ABUTMENT NO. 1 – ELEVATION

NOTE: ALL DIMENSIONS ARE PARALLEL TO ABUTMENT CENTERLINE.

SCALE 3/16" = 1'–0"

BEAM SEAT ELEVATIONS

BEAM	ABUTMENT 1
1	5216.675
2	5216.442
3	5216.320
4	5216.697
5	5217.074
6	5217.451
7	5217.829
8	5218.206
9	5218.584
10	5218.962
11	5219.340
12	5219.719
13	5220.097

SEE REVISED SHEET.

AS-BUILT INFORMATION
CONTRACTOR: Sells Bros. DATE 1/08
WORK STAKED BY: Survtek DATE
INSPECTOR'S ACCEPTANCE BY: DATE
FIELD VERIFICATION BY: Wilson + Co DATE 1/08
PLANS CORRECTED BY: MICRO-FILM INFORMATION
RECORDED BY: DATE
NO:

BENCH MARKS
THE STA. IS A 3" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
CARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GMK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
ABUTMENT NO. 1 – PLAN AND ELEVATION

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 CITY ENGINEER
Last Design Update: Mo./Day/Yr.
Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C–11
Sheet 8–12 Of

WILSON & COMPANY

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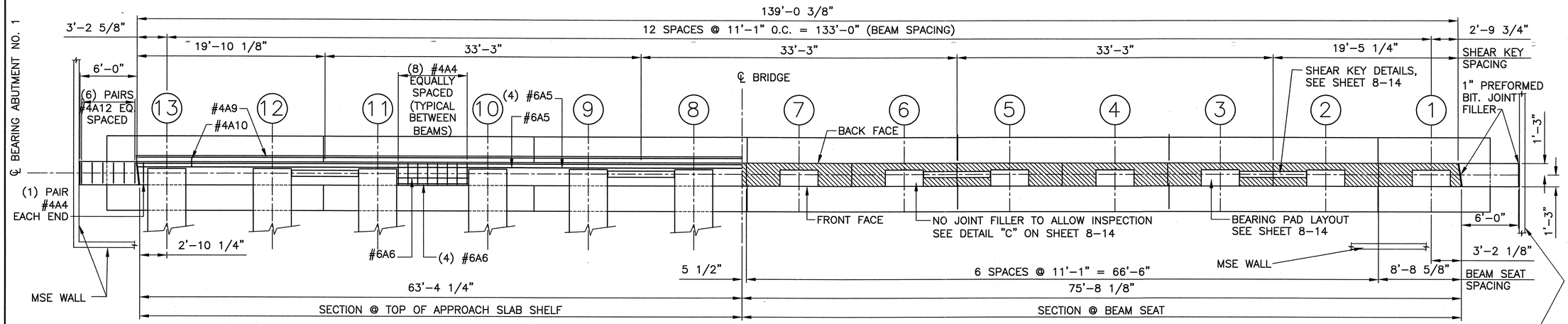
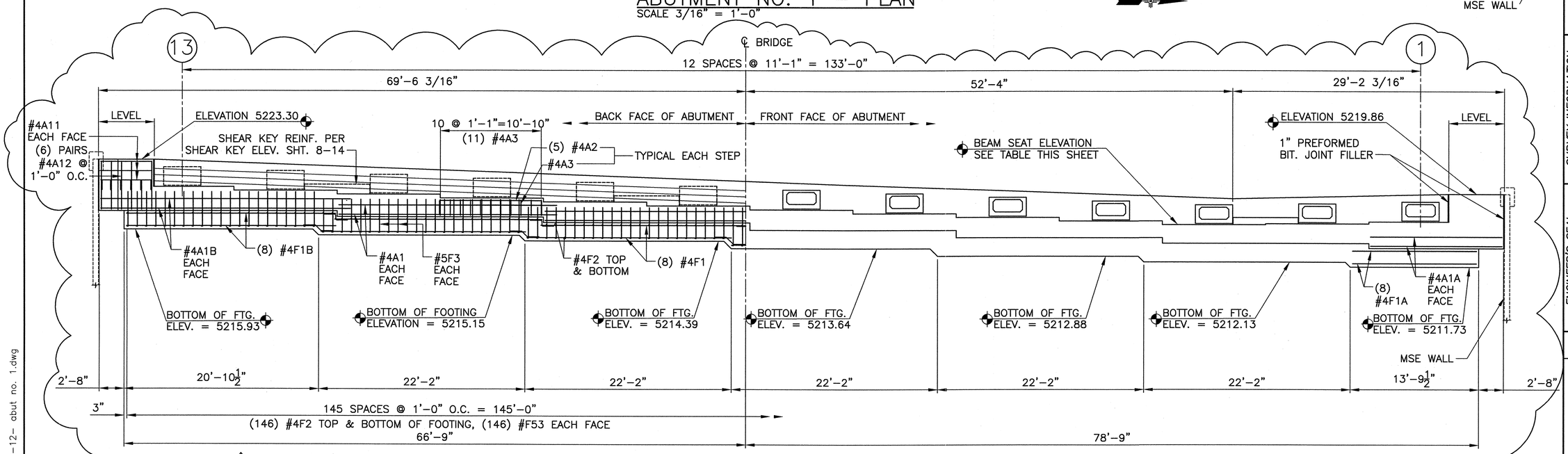
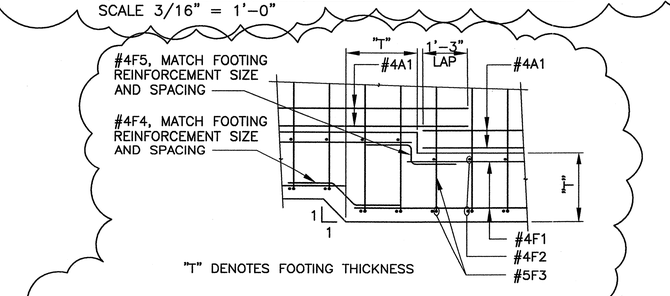


ABUTMENT NO. 1 – PLAN
SCALE 3/16" = 1'–0"



ABUTMENT NO. 1 – ELEVATION
SCALE 3/16" = 1'–0"

NOTE: ALL DIMENSIONS ARE PARALLEL TO ABUTMENT CENTERLINE.



STEPPED FOOTING– ELEVATION
SCALE 1/2" = 1'–0"

BEAM SEAT ELEVATIONS

BEAM	ABUTMENT 1
1	5216.675
2	5216.442
3	5216.320
4	5216.697
5	5217.074
6	5217.451
7	5217.829
8	5218.206
9	5218.584
10	5218.962
11	5219.340
12	5219.719
13	5220.097

AS–BUILT INFORMATION
CONTRACTOR Salas Bros. Surveyors DATE 1/08
WORK OVERSEEN BY: INSPECTOR'S FIELD FINANCE BY: DATE
VERIFICATION BY: DATE
CORRECTED BY: Wilson & Co. DATE 1/08
MICRO–FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS
THE STA. IS A 3¼" ALUMINUM CAP STAMPED "ACS 1–C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I–40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.–N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER–1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REMARKS	BY
		REVISIONS	
1	MAY '06	MSE WALLS REVISIONS	CRH

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	GWK	DATE FEB 2005
DRAWN BY	CRH	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
ABUTMENT NO. 1 – PLAN AND ELEVATION

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C–11	8–12	

WILSON & COMPANY

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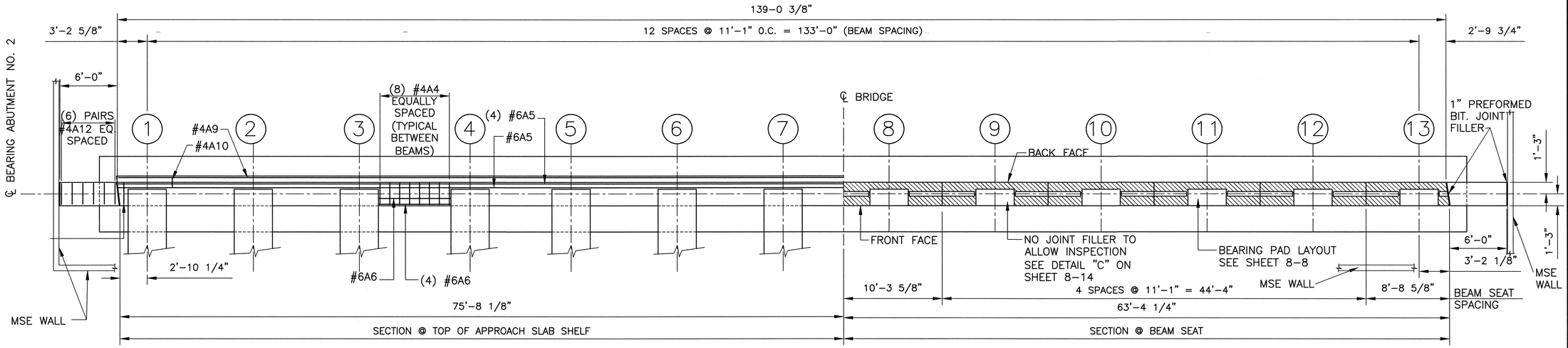
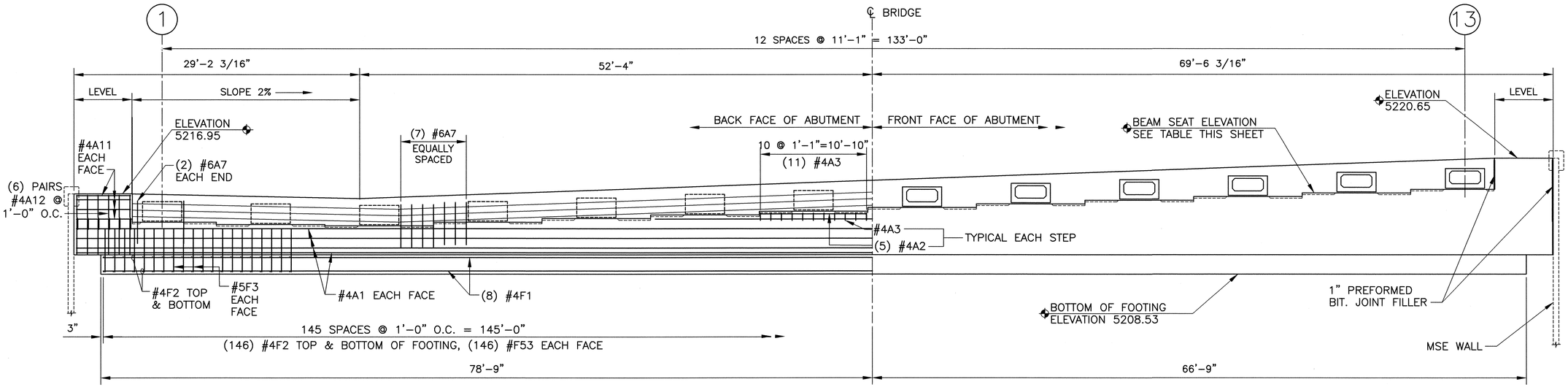


ABUTMENT NO. 2 – PLAN

SCALE 3/16" = 1'–0"



ABUTMENT NO. 2 – ELEVATION

SCALE 3/16" = 1'–0"

NOTE: ALL DIMENSIONS ARE PARALLEL TO ABUTMENT CENTERLINE.

BEAM SEAT ELEVATIONS

BEAM	ABUTMENT 2
1	5213.843
2	5213.632
3	5213.531
4	5213.930
5	5214.329
6	5214.727
7	5215.125
8	5215.523
9	5215.921
10	5216.319
11	5216.717
12	5217.114
13	5217.512

SEE REVISED SHEET.

AS-BUILT INFORMATION
CONTRACTOR Salis Bros. DATE 1/08
WORK STAKED BY SURVTEK DATE
WORK ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
ABUTMENT NO. 2 – PLAN AND ELEVATION

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED CITY ENGINEER
Last Design Update: Mo./Day/Yr.
Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C–11
Sheet 8–13 Of

WILSON & COMPANY

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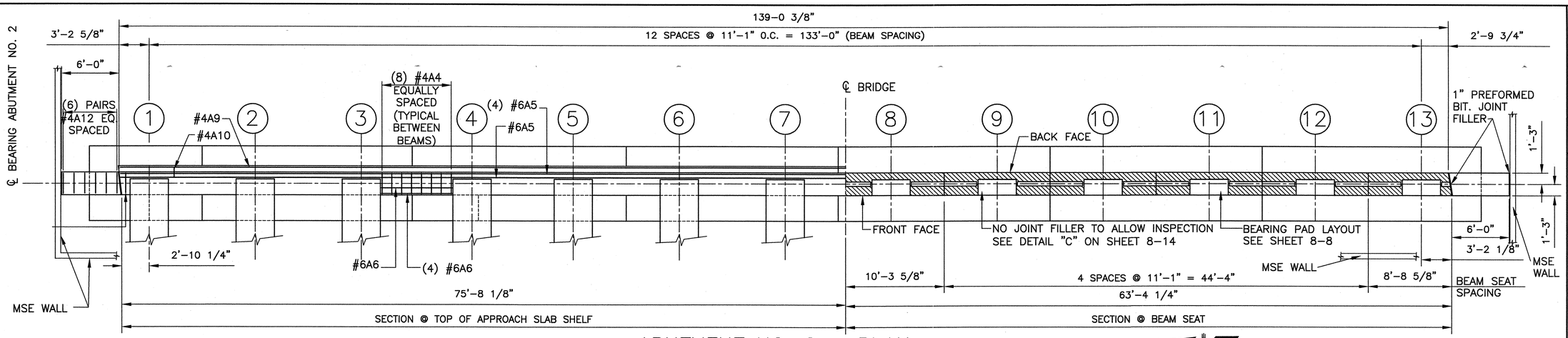
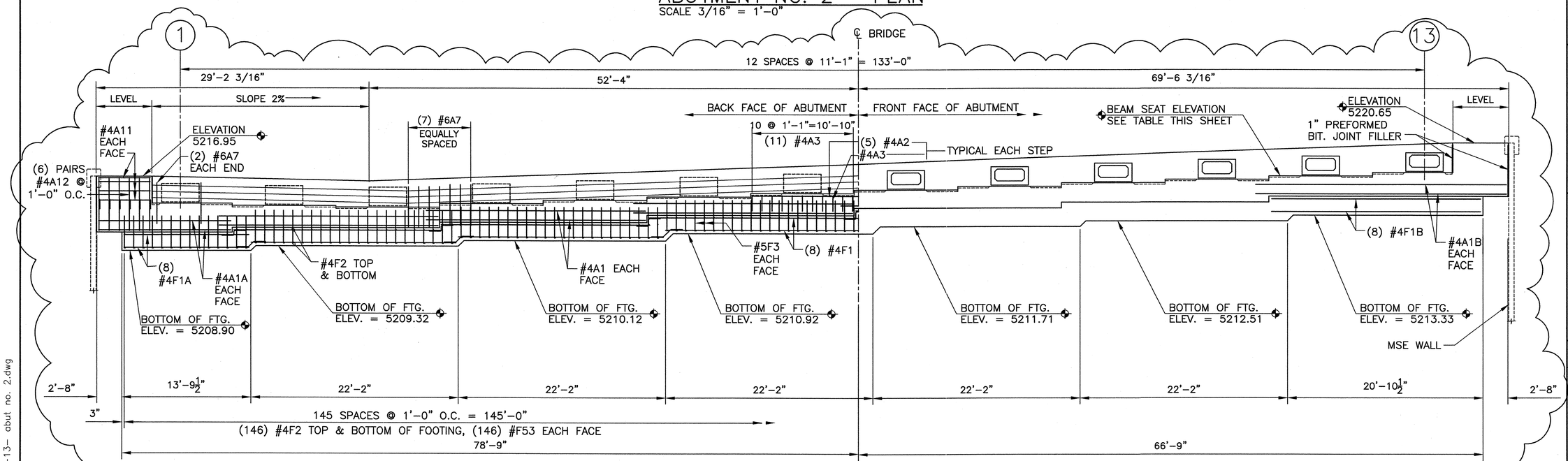
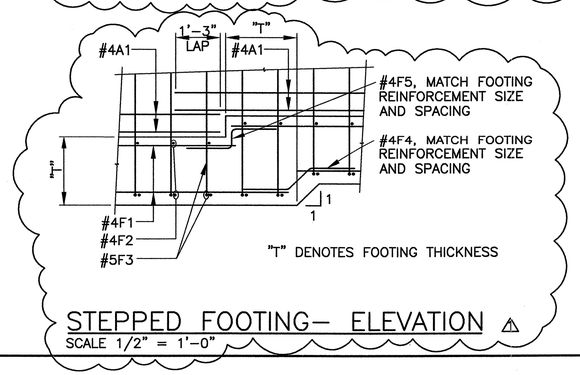


ABUTMENT NO. 2 – PLAN
SCALE 3/16" = 1'–0"



⚠ ABUTMENT NO. 2 – ELEVATION
SCALE 3/16" = 1'–0"

NOTE: ALL DIMENSIONS ARE PARALLEL TO ABUTMENT CENTERLINE.



STEPPED FOOTING– ELEVATION ⚠
SCALE 1/2" = 1'–0"

BEAM SEAT ELEVATIONS

BEAM	ABUTMENT 2
1	5213.843
2	5213.632
3	5213.531
4	5213.930
5	5214.329
6	5214.727
7	5215.125
8	5215.523
9	5215.921
10	5216.319
11	5216.717
12	5217.114
13	5217.512

AS-BUILT INFORMATION
CONTRACTOR Salas Bros. DATE 1/08
MARKED BY Sunrae INSPECTOR'S SIGNATURE DATE
FIELD VERIFICATION BY DATE
CORRECTED BY Wilson+Co DATE 1/08
RECORDED BY DATE

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	MSE WALLS REVISIONS REMARKS	BY
⚠	MAY '06		CRH

REVISIONS
WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	GWK	DATE FEB 2005
DRAWN BY	CRH	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
ABUTMENT NO. 2 – PLAN AND ELEVATION

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C–11	8–13	

WILSON & COMPANY

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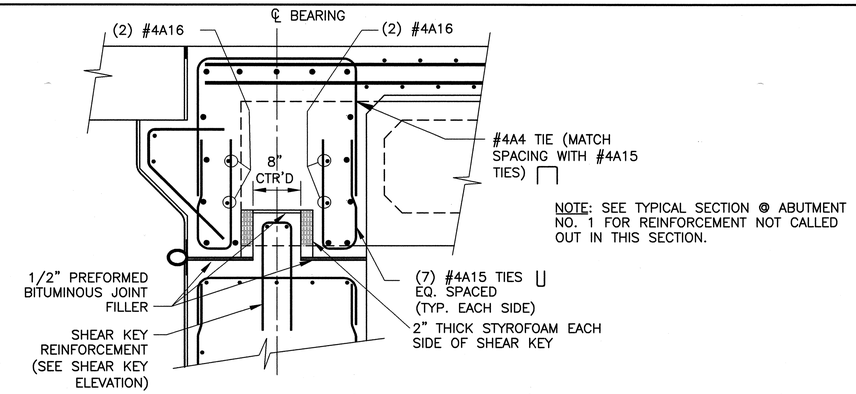
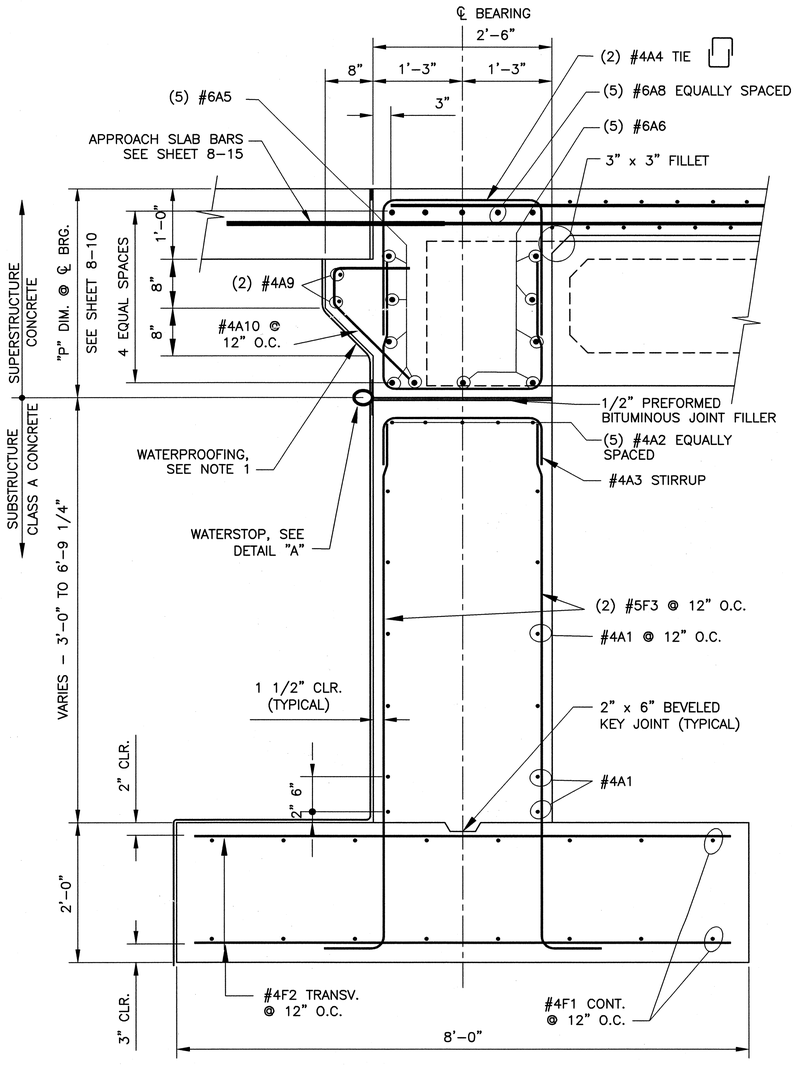


NOTE: SEE TYPICAL SECTION @ ABUTMENT NO. 1 FOR REINFORCEMENT NOT CALLED OUT IN THIS SECTION.

SECTION @ SHEAR KEY (ABUT. 1 ONLY)

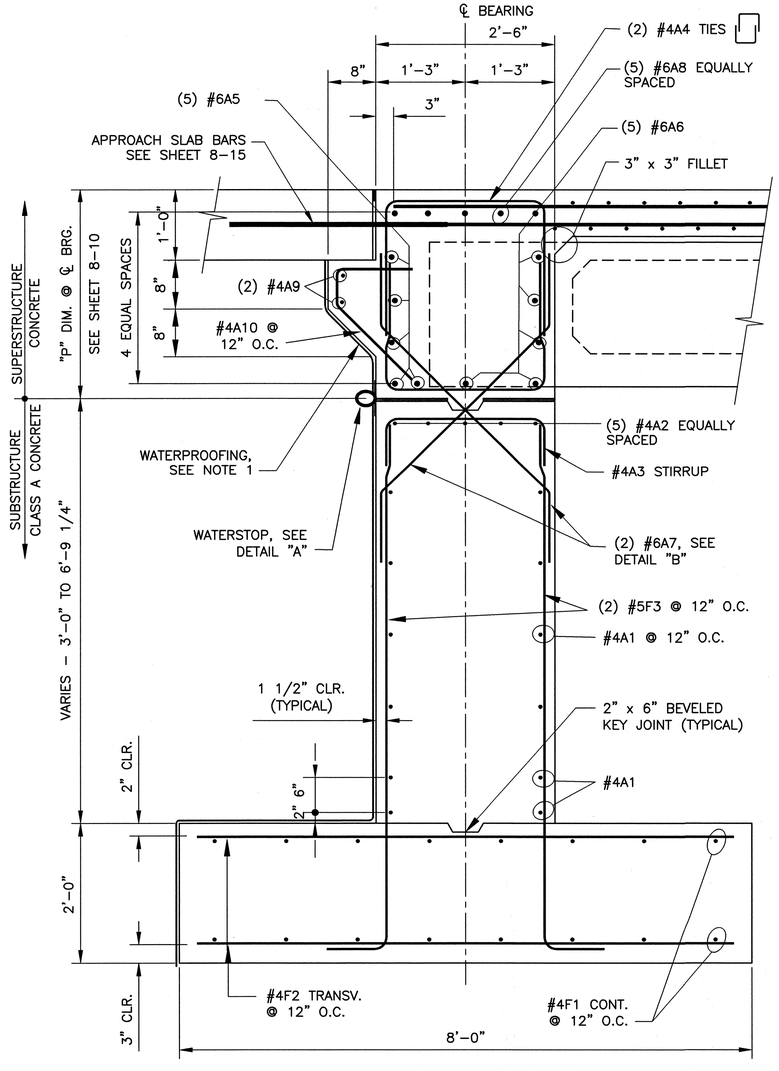
ABUTMENT NOTES:

1. APPLY A WATERPROOFING SYSTEM ON BACKSIDES OF ABUTMENTS AND END DIAPHRAGMS. USE HYDROCIDE 700B EMULSIFIED ASPHALT, OR APPROVAL EQUAL.
2. ALL DIMENSIONS ARE PERPENDICULAR TO CENTERLINE OF BEARING.



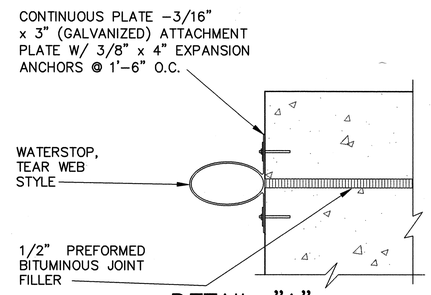
ABUTMENT NO. 1 SECTION

SCALE 1" = 1'-0"



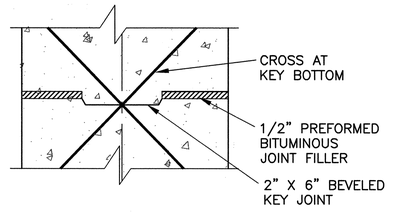
ABUTMENT NO. 2 SECTION

SCALE 1" = 1'-0"



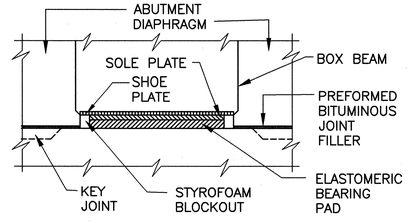
DETAIL "A"

NOT TO SCALE



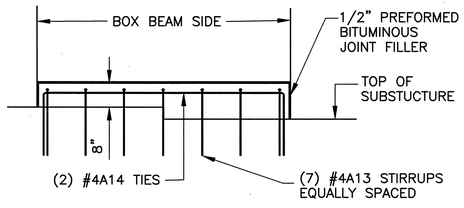
DETAIL "B"

NOT TO SCALE



DETAIL "C" INSPECTION ACCESS

NOT TO SCALE



SHEAR KEY ELEVATION

SCALE 1/2" = 1'-0"

SEE REVISED SHEET.

AS-BUILT INFORMATION
CONTRACTOR Sais Bros. DATE 1/08
WORK STAKED BY Surveyor DATE
WORK ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson+Co DATE 1/08
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE FEB 2005
DRAWN BY CRH DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

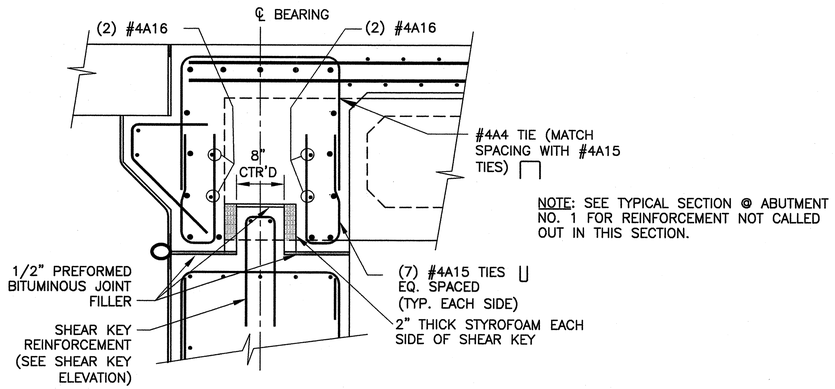
PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
ABUTMENT DETAILS

Design Review Committee: APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 15 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 8-14 Of

WILSON & COMPANY

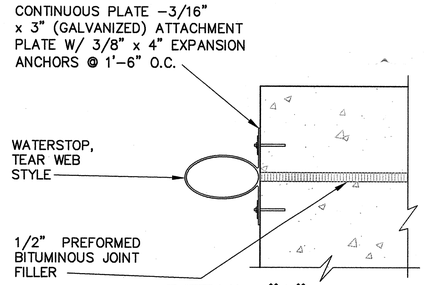
X:\Public\PROJECTS\X3022\Structures\SECTION 8\Sht. 8-14- abut details.dwg



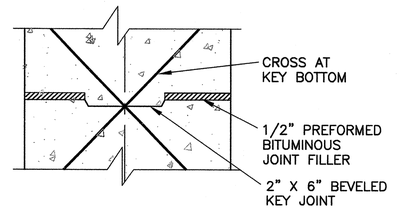
SECTION @ SHEAR KEY (ABUT. 1 ONLY)

ABUTMENT NOTES:

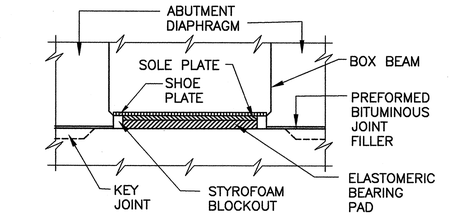
1. APPLY A WATERPROOFING SYSTEM ON BACKSIDES OF ABUTMENTS AND END DIAPHRAGMS. USE HYDROCIDE 700B EMULSIFIED ASPHALT, OR APPROVAL EQUAL.
2. ALL DIMENSIONS ARE PERPENDICULAR TO CENTERLINE OF BEARING.



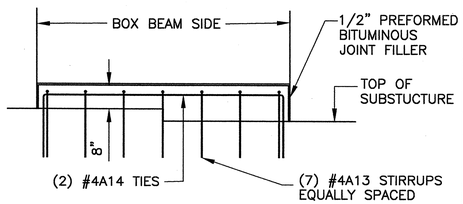
DETAIL "A"
NOT TO SCALE



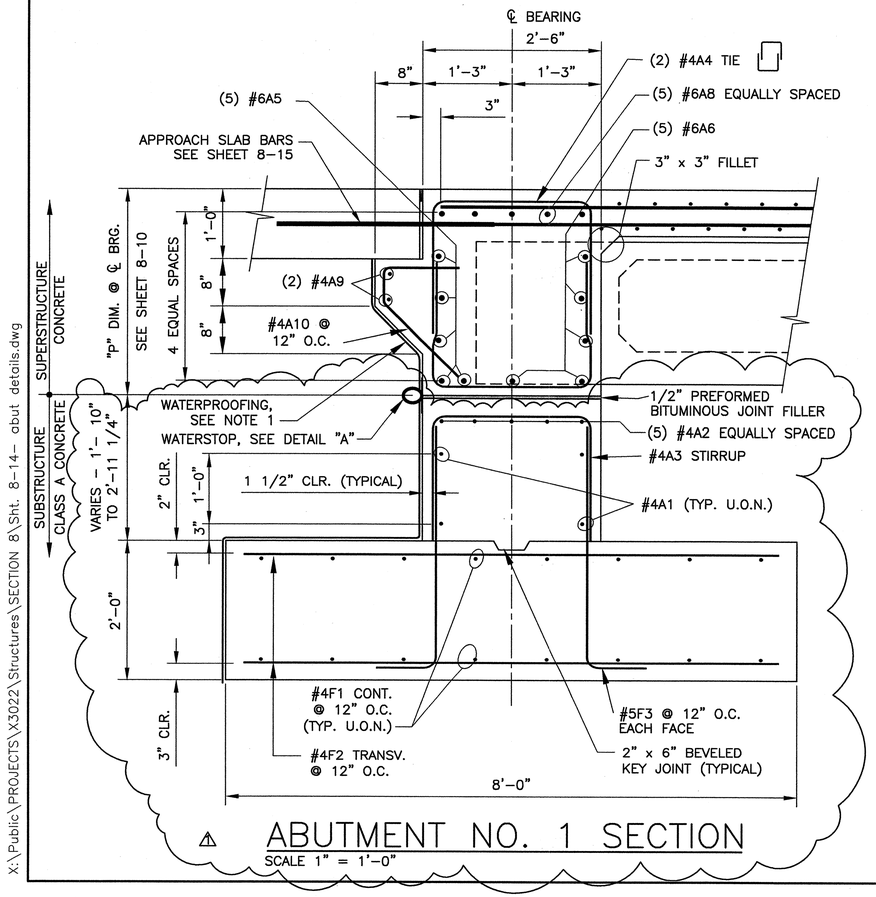
DETAIL "B"
NOT TO SCALE



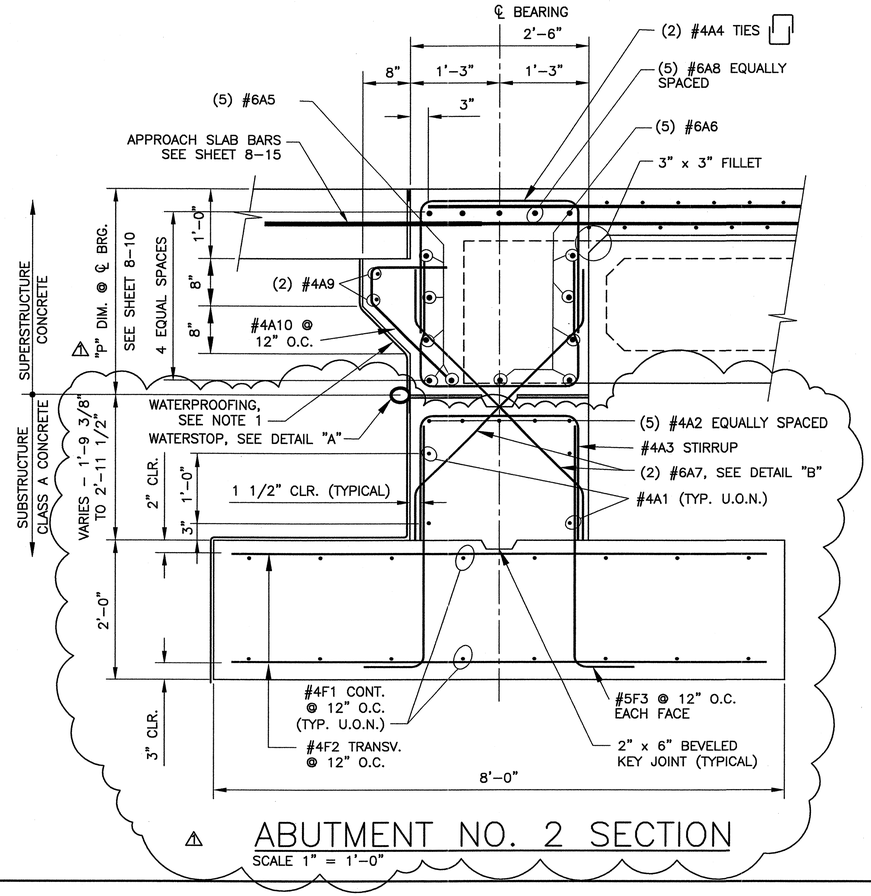
DETAIL "C" INSPECTION ACCESS
NOT TO SCALE



SHEAR KEY ELEVATION
SCALE 1/2" = 1'-0"



⚠ ABUTMENT NO. 1 SECTION
SCALE 1" = 1'-0"



⚠ ABUTMENT NO. 2 SECTION
SCALE 1" = 1'-0"

AS-BUILT INFORMATION	
CONTRACTOR	Salis Bros.
DATE	1/08
WORK PERFORMED BY	Survtek
DATE	
INSPECTOR'S FIELD CHANGE BY	
DATE	
FIELD VERIFICATION BY	
DATE	1/08
CORRECTED BY	Wilson+Co.
MICRO-FILM INFORMATION	
RECORDED BY	
DATE	
NO.	

BENCH MARKS
THE STA. IS A 3" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION		
NO.	FIELD NOTES BY	DATE

ENGINEER'S SEAL

GARY W. KINCHEN
NEW MEXICO
14366
REGISTERED PROFESSIONAL ENGINEER

DECEMBER 02, 2005

NO.	DATE	REVISIONS / REMARKS	BY
⚠	MAY '06	MSE WALLS	CRH

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	GWK	DATE FEB 2005
DRAWN BY	CRH	DATE FEB 2005
CHECKED BY	SPP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

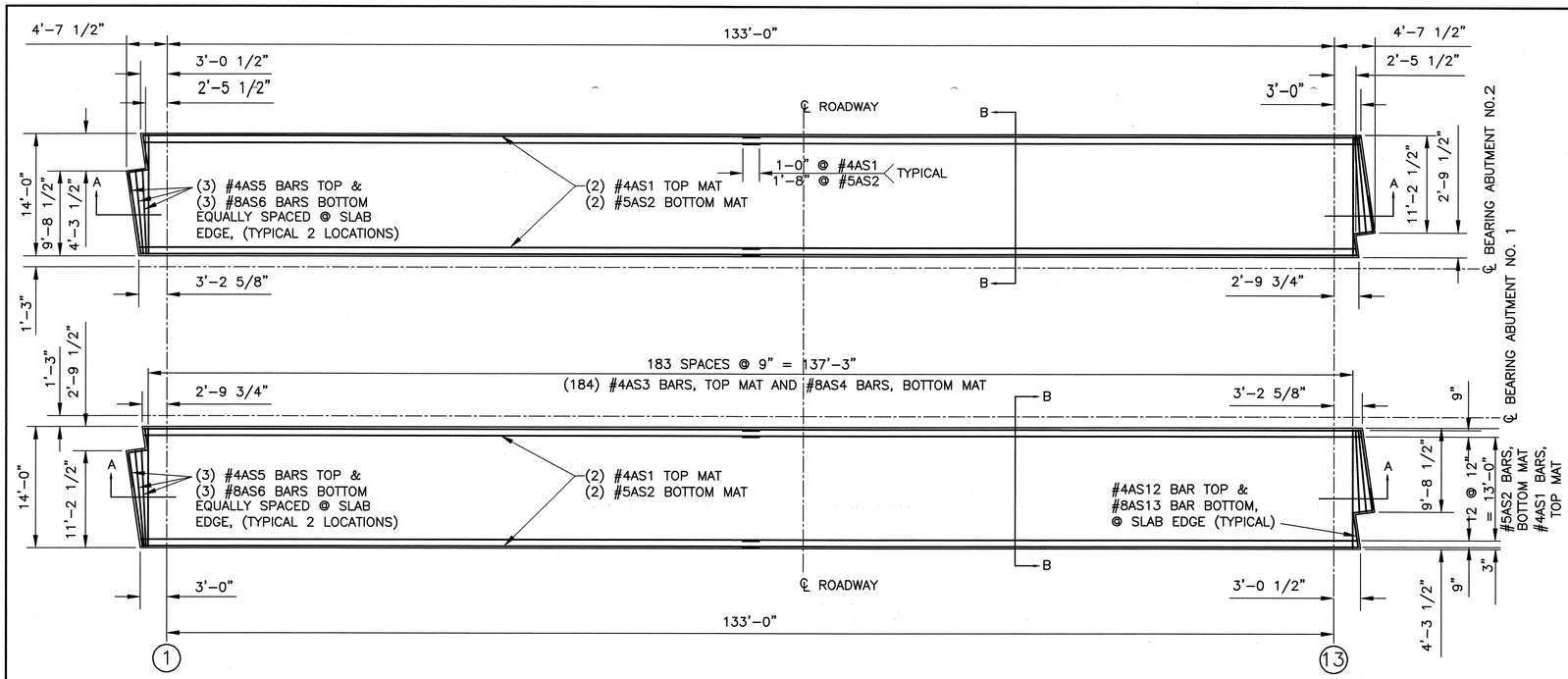
PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
ABUTMENT DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	8-14	

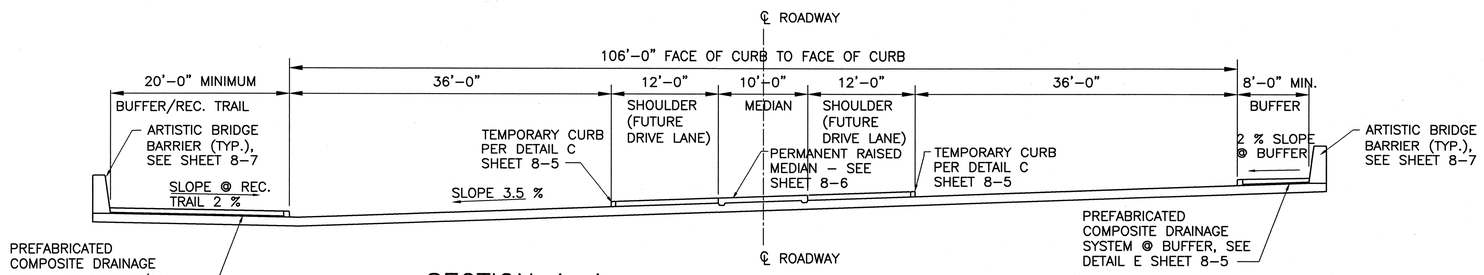
WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 8\Sht. 8-14- abut details.dwg



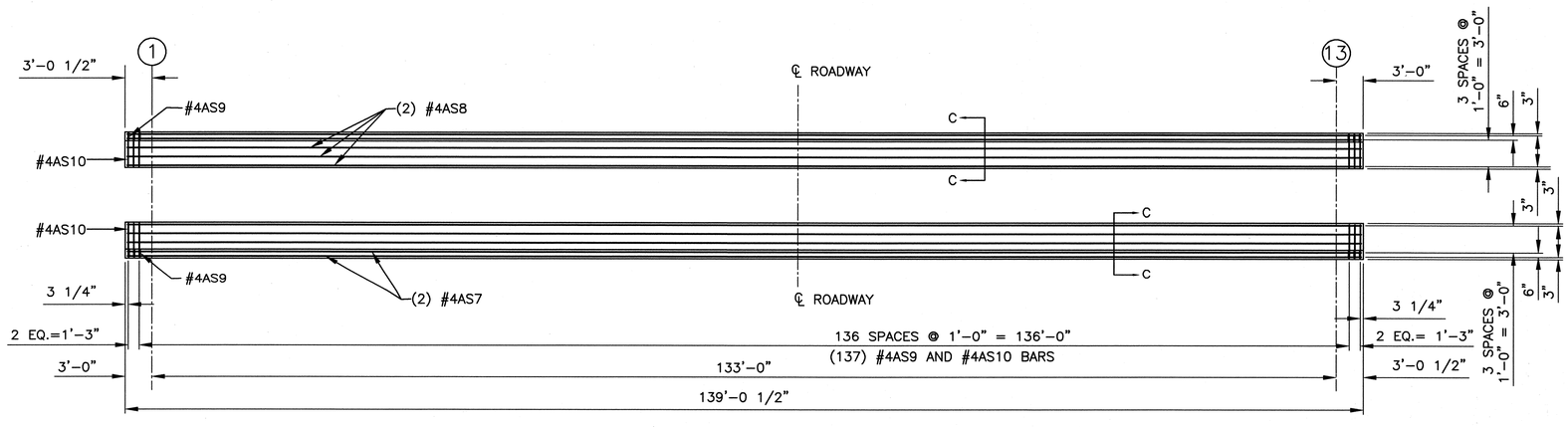
APPROACH SLAB PLANS

SCALE 1/8" = 1'-0"



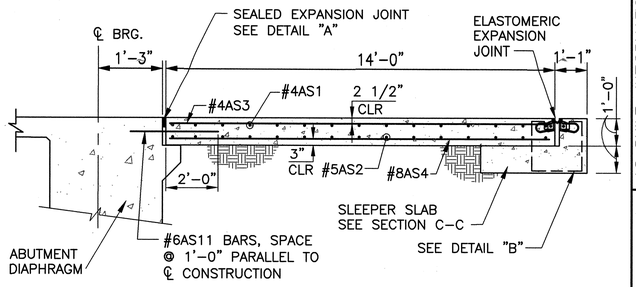
SECTION A-A

SCALE 1/8" = 1'-0"



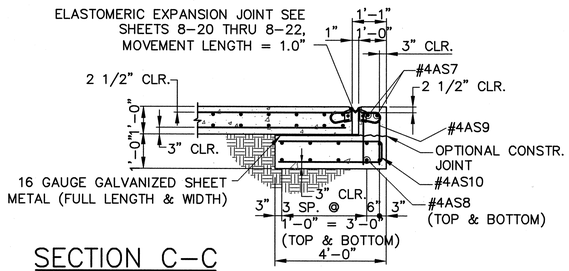
SLEEPER SLAB PLANS

SCALE 1/8" = 1'-0"



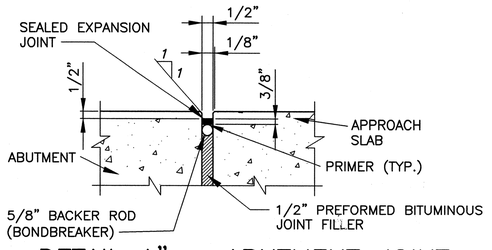
SECTION B-B

SCALE 1/2" = 1'-0"



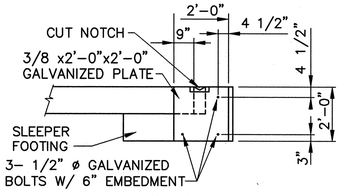
SECTION C-C

SCALE 1/2" = 1'-0"



DETAIL A" - ABUTMENT JOINT

NOT TO SCALE



DETAIL "B" - END PLATE

SCALE 1/2" = 1'-0"

PROVIDE END PLATES AT BOTH ENDS OF SLEEPER SLABS (4 TOTAL). MATERIAL AND LABOR TO INSTALL IS INCIDENTAL TO THE CONSTRUCTION.

AS-BUILT INFORMATION
CONTRACTOR Salis Bros. DATE 1/08
WORK STAKED BY Survey DATE
ACCEPTANCE BY DATE
FIELD LOCATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE FEB 2005
DRAWN BY CRH DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
APPROACH SLAB AND SLEEPER SLAB

Design Review Committee: APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 15 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C-11
Sheet 8-15 Of

WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 8\Sht. 8-15 - approach & sleeper slabs.dwg

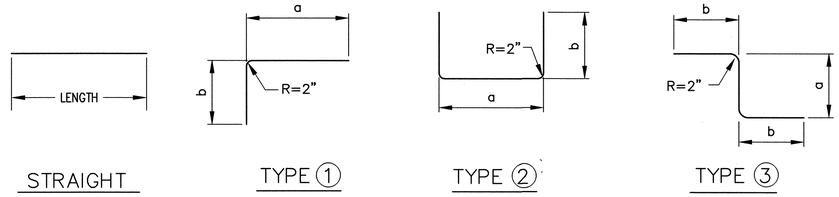
	MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
SUPERSTRUCTURE	#5T 1	5	88	57 '- 1 "	STR.		5239
	#5T 2	5	88	54 '- 6 "	STR.		5002
	#5T 3	5	88	33 '- 2 "	STR.		3044
	#4T 4	4	275	46 '- 6 "	STR.		8542
	#4T 5	4	32	14 '- 11 "	STR.		319
	#4T 6	4	6	6 '- 0 "	3	a = 2'-0", b = 2'-0"	24
	#5T 7	5	12	10 '- 0 "	STR.		125
	#5T 8	5	12	6 '- 0 "	STR.		75
	#5B 1	5	87	57 '- 1 "	STR.		5180
	#5B 2	5	87	54 '- 6 "	STR.		4945
	#5B 3	5	87	33 '- 2 "	STR.		3010
	#4B 4	4	134	46 '- 6 "	STR.		4162
	#4B 5	4	32	14 '- 11 "	STR.		319
	#4B 6	4	6	6 '- 0 "	3	a = 2'-0", b = 2'-0"	24
	#5B 7	5	12	10 '- 0 "	STR.		125
	#5B 8	5	12	6 '- 0 "	STR.		75
	#3B 9	3	56	1 '- 3 2 /4 "	7		27
	#3B 10	3	56	1 '- 1 2 /4 "	7		24
	TOTAL EPOXY-COATED						40010

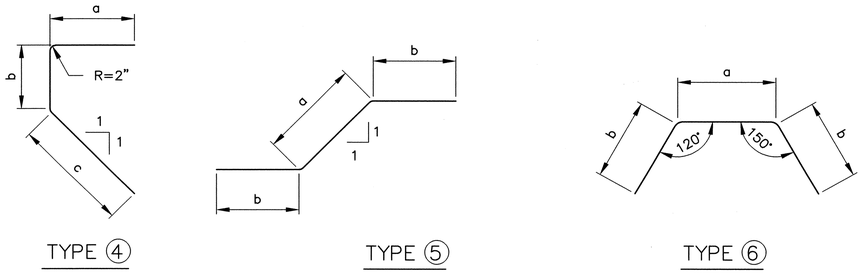
	MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
MEDIAN	#4M 1	4	82	1 '- 4 "	6	a = 0'-4", b = 0'-4"	73
	#4M 2	4	20	39 '- 9 "	STR.		531
	#4M 3	4	41	9 '- 6 "	STR.		260
	#4M 4	4	82	1 '- 2 "	1	a = 0'-6", b = 0'-8"	64
	TOTAL EPOXY-COATED						928

	MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
ABUTMENT 1	#4F 1	4	48	49 '- 3 "	STR.	NON-EPOXY	1579
	#4F 2	4	292	7 '- 6 "	STR.	NON-EPOXY	1463
	#5F 3	5	292	8 '- 10 3 /4 "	1	NON-EPOXY, a VARIES , b = 0'-8"	2710
	#4A 1	4	28	51 '- 0 "	STR.	NON-EPOXY	954
	#4A 2	4	65	12 '- 2 "	2	NON-EPOXY, a = 10'-10", b = 0'-8"	528
	#4A 3	4	139	3 '- 7 "	2	NON-EPOXY, a = 2'-3", b = 0'-8"	333
	#4A 4	4	172	6 '- 7 "	2	a = 2'-3", b = 1'-11"	756
	#6A 5	6	15	48 '- 0 "	STR.		1081
	#6A 6	6	60	6 '- 9 "	STR.		608
	#6A 7	6					0
	#6A 8	6	15	48 '- 0 "	STR.		1081
	#4A 9	4	6	47 '- 0 "	STR.		188
	#4A 10	4	141	3 '- 0 1 /4 "	4	a = 1'-0", b =0'-6 1/2", c = 1'-6"	285
	#4A 11	4	16	5 '- 7 "	STR.		60
	#4A 12	4	24	12 '- 11 "	2	a = 2'-3", b = 5'-4"	207
	#4A 13	4	28	3 '- 5 "	2	a = 0'-5", b = 1'-6"	64
	#4A 14	4	8	9 '- 9 "	2	a = 6'-9", b = 1'-6"	52
	#4A 15	4	56	3 '- 6 "	2	a = 0'-6", b = 1'-6"	131
	#4A 16	4	16	6 '- 9 "	STR.		72
	TOTAL NON-EPOXY-COATED						7567
	TOTAL EPOXY-COATED						4585

	MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
ABUTMENT 2	#4F 1	4	48	49 '- 3 "	STR.	NON-EPOXY	1579
	#4F 2	4	292	7 '- 6 "	STR.	NON-EPOXY	1463
	#5F 3	5	292	8 '- 10 3 /4 "	1	NON-EPOXY, a VARIES , b = 0'-8"	2710
	#4A 1	4	28	51 '- 0 "	STR.	NON-EPOXY	954
	#4A 2	4	65	12 '- 2 "	2	NON-EPOXY, a = 10'-10", b = 0'-8"	528
	#4A 3	4	139	3 '- 7 "	2	NON-EPOXY, a = 2'-3", b = 0'-8"	333
	#4A 4	4	172	6 '- 0 4 /4 "	2	a = 2'-3", b = 1'-11"	699
	#6A 5	6	15	48 '- 0 "	STR.		1081
	#6A 6	6	60	6 '- 9 "	STR.		608
	#6A 7	6	168	5 '- 4 "	5	a = 3'-4", b = 1'-0"	1346
	#6A 8	6	15	48 '- 0 "	STR.		1081
	#4A 9	4	6	47 '- 0 "	STR.		188
	#4A 10	4	141	3 '- 0 1 /4 "	4	a = 1'-0", b =0'-6 1/2", c = 1'-6"	285
	#4A 11	4	16	5 '- 7 "	STR.		60
	#4A 12	4	24	12 '- 11 "	2	a = 2'-3", b = 5'-4"	207
	TOTAL NON-EPOXY-COATED						7567
	TOTAL EPOXY-COATED						5555

	MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
APPROACH SLABS	#4AS 1	4	52	71 '- 1 "	STR.		2469
	#5AS 2	5	52	71 '- 3 "	STR.		3864
	#4AS 3	4	368	13 '- 9 "	STR.		3380
	#8AS 4	8	368	13 '- 9 "	STR.		13510
	#4AS 5	4	12	9 '- 6 "	STR.		76
	#8AS 6	8	12	9 '- 6 "	STR.		304
	#4AS 7	4	8	71 '- 1 "	STR.		380
	#4AS 8	4	32	71 '- 1 "	STR.		1519
	#4AS 9	4	282	4 '- 3 "	2	a = 0'-9", b = 1'-9"	801
	#4AS 10	4	282	8 '- 3 "	2	a = 0'-9", b = 3'-9"	1554
	#6AS 11	6	282	3 '- 7 "	STR.		1518
	#4AS 12	4	4	8 '- 9 "	3		23
	#8AS 13	8	4	8 '- 9 "	3		93
	TOTAL EPOXY-COATED (TOTAL IS FOR TWO APPROACH SLABS)						29491





SEE REVISED SHEET.

NOTE: ALL BARS ARE EPOXY COATED UNLESS NOTED OTHERWISE.

AS-BUILT INFORMATION
CONTRACTOR: Salis Bros. DATE: 1/08
WORK STAKED BY: Survtek DATE
INSPECTOR'S SIGNATURE DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY: Wilson+Co. DATE: 1/08
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REVISIONS / REMARKS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
REBAR DIAGRAMS AND SCHEDULE

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 8-16 Of

WILSON & COMPANY

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MEDIAN

MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
#4M 1	4	82	1 '- 4 "	6	a = 0'-4", b = 0'-4"	73
#4M 2	4	20	39 '- 9 "	STR.		531
#4M 3	4	41	9 '- 6 "	STR.		260
#4M 4	4	82	1 '- 2 "	1	a = 0'-6", b = 0'-8"	64
TOTAL EPOXY-COATED						928

ABUTMENT 1

MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
#4F 1	4	80	23 '- 3 "	STR.	NON-EPOXY	1242
#4F 1A	4	16	13 '- 4 1 /2 "	STR.	NON-EPOXY	143
#4F 1B	4	16	22 '- 5 1 /2 "	STR.	NON-EPOXY	240
#4F 2	4	292	7 '- 6 "	STR.	NON-EPOXY	1463
#5F 3	5	292	4 '- 1 "	1	NON-EPOXY, a = 3'-5", b = 0'-8"	1244
#4F 4	4	48	3 '- 6 "	5	NON-EPOXY, a = 1'-0", b = 1'-3"	112
#4F 5	4	48	3 '- 4 "	3	NON-EPOXY, a = 0'-10", b = 1'-3"	107
#4A 1	4	20	23 '- 5 "	STR.	NON-EPOXY	313
#4A 1A	4	4	14 '- 1 1 /2 "	STR.	NON-EPOXY	38
#4A 1B	4	4	26 '- 9 3 /4 "	STR.	NON-EPOXY	72
#4A 2	4	65	14 '- 0 "	2	NON-EPOXY, a = 10'-10", b = 1'-7"	608
#4A 3	4	139	5 '- 7 "	2	NON-EPOXY, a = 2'-3", b = 1'-8"	518
#4A 4	4	172	6 '- 7 "	2	a = 2'-3", b = 1'-11"	756
#6A 5	6	15	48 '- 0 "	STR.		1081
#6A 6	6	60	6 '- 9 "	STR.		608
#6A 7	6	- NOT USED -				0
#6A 8	6	15	48 '- 0 "	STR.		1081
#4A 9	4	6	47 '- 0 "	STR.		188
#4A 10	4	141	3 '- 0 1 /4 "	4	a = 1'-0", b =0'-6 1/2", c = 1'-6"	285
#4A 11	4	16	5 '- 7 "	STR.		60
#4A 12	4	24	12 '- 11 "	2	a = 2'-3", b = 5'-4"	207
#4A 13	4	28	3 '- 5 "	2	a = 0'-5", b = 1'-6"	64
#4A 14	4	8	9 '- 9 "	2	a = 6'-9", b = 1'-6"	52
#4A 15	4	56	3 '- 6 "	2	a = 0'-6", b = 1'-6"	131
#4A 16	4	16	6 '- 9 "	STR.		72
TOTAL NON-EPOXY-COATED						6100
TOTAL EPOXY-COATED						4585

ABUTMENT 2

MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
#4F 1	4	80	23 '- 3 "	STR.	NON-EPOXY	1242
#4F 1A	4	16	13 '- 4 1 /2 "	STR.	NON-EPOXY	143
#4F 1B	4	16	22 '- 5 1 /2 "	STR.	NON-EPOXY	240
#4F 2	4	292	7 '- 6 "	STR.	NON-EPOXY	1463
#5F 3	5	292	4 '- 1 "	1	NON-EPOXY, a = 3'-5", b = 0'-8"	1244
#4F 4	4	48	3 '- 6 "	5	NON-EPOXY, a = 1'-0", b = 1'-3"	112
#4F 5	4	48	3 '- 4 "	3	NON-EPOXY, a = 0'-10", b = 1'-3"	107
#4A 1	4	20	23 '- 5 "	STR.	NON-EPOXY	313
#4A 1A	4	4	14 '- 1 1 /2 "	STR.	NON-EPOXY	38
#4A 1B	4	4	26 '- 9 3 /4 "	STR.	NON-EPOXY	72
#4A 2	4	65	14 '- 0 "	2	NON-EPOXY, a = 10'-10", b = 1'-7"	608
#4A 3	4	139	5 '- 7 "	2	NON-EPOXY, a = 2'-3", b = 1'-8"	518
#4A 4	4	172	6 '- 1 "	2	a = 2'-3", b = 1'-11"	699
#6A 5	6	15	48 '- 0 "	STR.		1081
#6A 6	6	60	6 '- 9 "	STR.		608
#6A 7	6	168	4 '- 8 "	5	a = 3'-4", b = 0'-8"	1178
#6A 8	6	15	48 '- 0 "	STR.		1081
#4A 9	4	6	47 '- 0 "	STR.		188
#4A 10	4	141	3 '- 0 1 /4 "	4	a = 1'-0", b =0'-6 1/2", c = 1'-6"	285
#4A 11	4	16	5 '- 7 "	STR.		60
#4A 12	4	24	12 '- 11 "	2	a = 2'-3", b = 5'-4"	207
TOTAL NON-EPOXY-COATED						6100
TOTAL EPOXY-COATED						5387

SUPERSTRUCTURE

MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
#5T 1	5	88	57 '- 1 "	STR.		5239
#5T 2	5	88	54 '- 6 "	STR.		5002
#5T 3	5	88	33 '- 2 "	STR.		3044
#4T 4	4	275	46 '- 6 "	STR.		8542
#4T 5	4	32	14 '- 11 "	STR.		319
#4T 6	4	6	6 '- 0 "	3	a = 2'-0", b = 2'-0"	24
#5T 7	5	12	10 '- 0 "	STR.		125
#5T 8	5	12	6 '- 0 "	STR.		75
#5B 1	5	87	57 '- 1 "	STR.		5180
#5B 2	5	87	54 '- 6 "	STR.		4945
#5B 3	5	87	33 '- 2 "	STR.		3010
#4B 4	4	134	46 '- 6 "	STR.		4162
#4B 5	4	32	14 '- 11 "	STR.		319
#4B 6	4	6	6 '- 0 "	3	a = 2'-0", b = 2'-0"	24
#5B 7	5	12	10 '- 0 "	STR.		125
#5B 8	5	12	6 '- 0 "	STR.		75
#3B 9	3	56	1 '- 3 2 /4 "	7		27
#3B 10	3	56	1 '- 1 2 /4 "	7		24
TOTAL EPOXY-COATED						40010

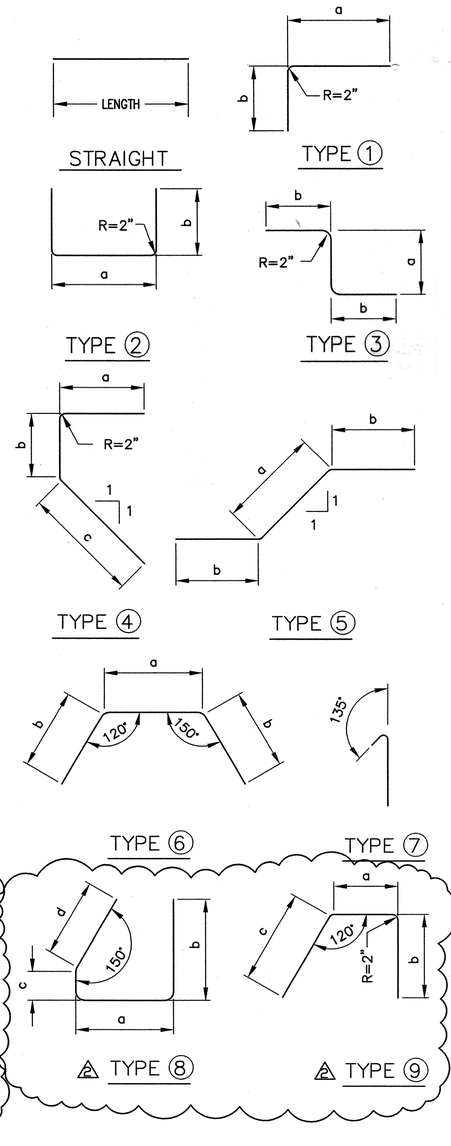
APPROACH SLABS

MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
#4AS 1	4	52	71 '- 1 "	STR.		2469
#5AS 2	5	52	71 '- 3 "	STR.		3864
#4AS 3	4	368	13 '- 9 "	STR.		3380
#8AS 4	8	368	13 '- 9 "	STR.		13510
#4AS 5	4	12	9 '- 6 "	STR.		76
#8AS 6	8	12	9 '- 6 "	STR.		304
#4AS 7	4	8	71 '- 1 "	STR.		380
#4AS 8	4	32	71 '- 1 "	STR.		1519
#4AS 9	4	282	4 '- 3 "	2	a = 0'-9", b = 1'-9"	801
#4AS 10	4	282	8 '- 3 "	2	a = 0'-9", b = 3'-9"	1554
#6AS 11	6	282	3 '- 7 "	STR.		1518
#4AS 12	4	4	8 '- 9 "	3		23
#8AS 13	8	4	8 '- 9 "	3		93
TOTAL EPOXY-COATED (TOTAL IS FOR TWO APPROACH SLABS)						29491

BARRIERS

MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
#4R 1	4	110	5 '- 8 "	2	a = 1' -0 1/2", b = 2' - 3 3/4"	416
#4R 2	4	110	9 '- 2 "	2	a = 1' -0 1/2", b = 4' - 0 3/4"	674
#5R 3	5	80	15 '- 7 "	STR.		1300
#6R 4	6	5	18 '- 0 "	STR.		135
#6R 5	6	5	15 '- 8 "	STR.		118
#4R 6	4	20	7 '- 5 "	8	a=2' -11", b=2' - 3", c=8", d=1' - 7"	99
#4R 7	4	20	9 '- 4 "	9	a = 5 1/2", b = 4' - 1", c = 4' - 9 1/2"	125
#5R 8	5	40	5 '- 2 "	3	a = 2' - 2", b = 1' - 6"	216
#6R 9	6	10	5 '- 2 "	3	a = 2' - 2", b = 1' - 6"	78
TOTAL EPOXY-COATED						3161

QUANTITY IS FOR 1 BARRIER



NOTE: ALL BARS ARE EPOXY COATED UNLESS NOTED OTHERWISE.

AS-BUILT INFORMATION
CONTRACTOR Solis Bros DATE 1/08
STAMPED BY: Surveyor DATE
INSPECTOR'S REFERENCE BY: DATE
FIELD VERIFICATION BY: DATE
MARKED BY Wilson & Co. DATE 1/08
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.
ELEVATION =
5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1–C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I–40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.–N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

REVISIONS
WILSON & COMPANY, ENGINEERS & ARCHITECTS

NO.	DATE	REMARKS	BY
3	APR '07	ADD BARRIER SCHEDULE	CRH
2	MAY '06	MSE WALLS REVISIONS	CRH
1	DATE	REMARKS	BY

DESIGNED BY GMK DATE FEB 2005
DRAWN BY CRH DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
REBAR DIAGRAMS AND SCHEDULE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C–11	8–16	

WILSON & COMPANY

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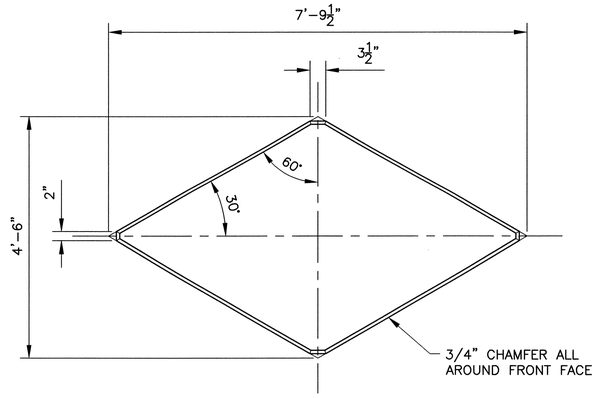


TYPICAL PANEL DIMENSIONS
SCALE 3/4" = 1'-0"

DESIGN DATA

1. DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH (2002) EDITION; AND SUPPLEMENTAL TECHNICAL SPECIFICATIONS LISTED BELOW.
2. DESIGN VALUES:

   MAX ECCENTRICITY = L/6 (L/3 FOR SEISMIC)
   F.S., SLIDING = 1.5
   F.S., BEARING CAPACITY = 2.5
   FACTORS OF SAFETY FOR SEISMIC LOAD CASES ARE INCREASED BY 1.33

   SEISMIC ACCELERATION COEFFICIENT = 0.18

   FOUNDATION SOILS VALUES
   γ = 120 PCF
   ϕ = 33°
   c = 0 PSF

   COEFFICIENT OF SLIDING = 0.4
   ALLOWABLE BEARING PRESSURES: VARIES, SEE GEOTECHNICAL REPORT

   UNLESS SHOWN OTHERWISE, MINIMUM SOIL REINFORCEMENT LENGTH = 0.8H, BUT NOT LESS THAN 8 FT.

SUPPLEMENTAL TECHNICAL SPECIFICATIONS

SECTION 560 – MSE WALLS

GENERAL NOTES FOR MSE WALLS

1. "MSE WALLS" DENOTES MECHANICALLY STABILIZED EARTH WALLS.
2. CONSTRUCTION SPECIFICATIONS: CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 WITH UPDATES, & APPLICABLE SUPPLEMENTAL TECHNICAL SPECIFICATIONS.
3. PREAPPROVED SYSTEMS: SELECTED WALL SYSTEM MUST MEET THE DESIGN REQUIREMENTS AND PANEL GEOMETRY GIVEN IN THE PLANS AND SPECIFICATIONS. SEE THE SUPPLEMENTAL TECHNICAL SPECIFICATION FOR A LIST OF APPROVED WALL SYSTEMS.
4. MINIMUM REINFORCEMENT LENGTHS SHOWN ARE BASED ON EXTERNAL STABILITY ONLY. PROVIDE LONGER LENGTHS AS DETERMINED BY INTERNAL STABILITY ANALYSIS.
5. MATERIALS: SEE SUPPLEMENTAL TECHNICAL SPECIFICATION.
6. COPING: COPING IS TO BE CAST IN PLACE.
7. SURFACE TREATMENTS: WALL PANELS AND COPING HAVE SURFACE FINISH REQUIREMENTS. SEE SECTION 6 OF THE PLANS FOR REQUIREMENTS.
8. PENETRATING WATER REPELLENT TREATMENT: APPLY TO ALL SURFACES ON THE FOLLOWING COMPONENTS:

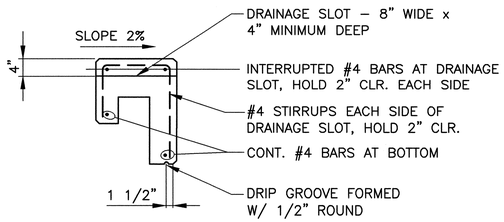
   A. WALL PANELS
   B. COPING

   EXTEND TREATMENT AT LEAST ONE FOOT BELOW FINAL GROUNDLINE WHERE APPLICABLE.

9. ANTI-GRAFFITI PROTECTIVE COATING: APPLY A PIGMENTED ANTI-GRAFFITI PROTECTIVE COATING TO THE EXPOSED SURFACES OF THE FOLLOWING WALL ELEMENTS:

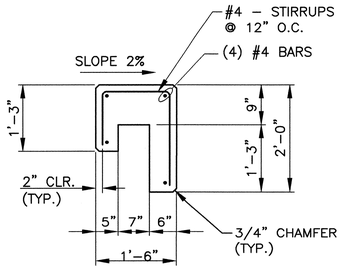
   A. EXPOSED SURFACES OF ALL MSE WALLS
   B. COPING

10. THE REINFORCED SOIL VOLUME IS APPROXIMATELY 3200 CY, BASED ON THE MINIMUM SOIL REINFORCEMENT LENGTHS SHOWN. THIS VOLUME IS NOT INCLUDED IN THE ESTIMATED ROADWAY EARTHWORK.
11. PAYMENT: THE ITEM "MSE WALLS" IS PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT OF WALL AREA, MEASURED FROM FINISHED GROUND TO TOP OF WALL. PAYMENT INCLUDES ALL INCIDENTAL ITEMS NEEDED TO FULLY CONSTRUCT THE WALLS.



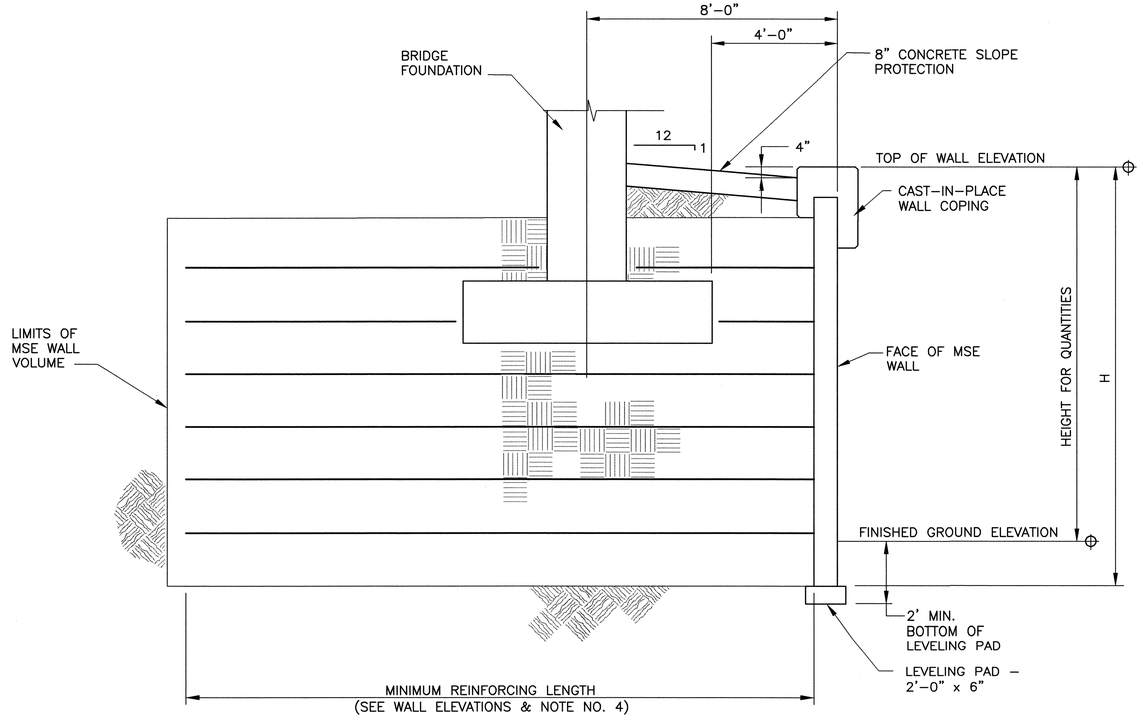
NOTE:
LOCATE DRAINAGE SLOT AT LOW POINT OF MSE WALL SYSTEM, SEE SHEETS 8-18 AND 8-19. DETAIL SIMILAR TO DETAIL BELOW EXCEPT AS NOTED OTHERWISE.

COPING DRAINAGE DETAIL
SCALE 3/4" = 1'-0"



NOTE:
PROVIDE CONTRACTION JOINT AT 10' O.C. PROVIDE 1/2" PREFORMED BITUMINOUS FILLED EXPANSION JOINT @ 50' O.C. (EVERY FIFTH JOINT) DISCONTINUE #4 LONGITUDINAL BARS 2" EACH SIDE OF EXPANSION JOINTS.

CAST-IN-PLACE WALL COPING DETAIL
SCALE 3/4" = 1'-0"



MSE WALL TYPICAL SECTION

SEE REVISED SHEET.

AS-BUILT INFORMATION
CONTRACTOR: Solis Bros. DATE 1/06
WORK STAKED BY: SURVTEK DATE
INSPECTOR'S FIELD NOTES DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY: Wilson + Co DATE 1/06
MICRO-FILM INFORMATION
RECORDED BY DATE

BENCH MARKS
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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN, NEW MEXICO, 14366, REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS / REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
MSE WALLS

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	8-17	

WILSON & COMPANY

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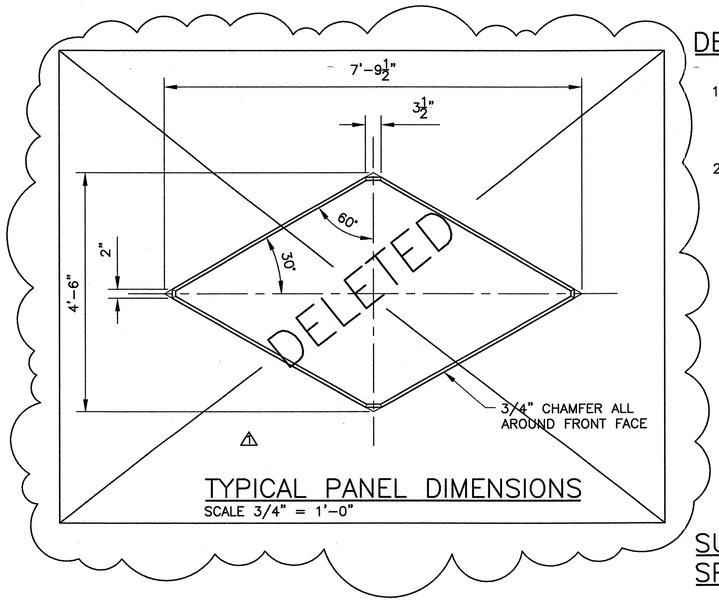

TYPICAL PANEL DIMENSIONS
SCALE 3/4" = 1'-0"

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   ϕ = 33°
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   COEFFICIENT OF SLIDING = 0.4
   ALLOWABLE BEARING PRESSURES: VARIES, SEE GEOTECHNICAL REPORT

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SECTION 560 – MSE WALLS

GENERAL NOTES FOR MSE WALLS

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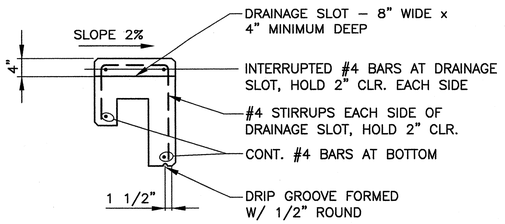
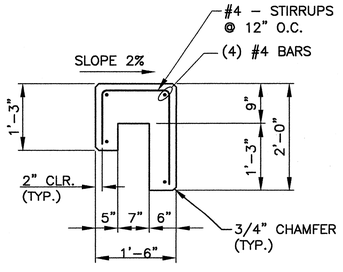


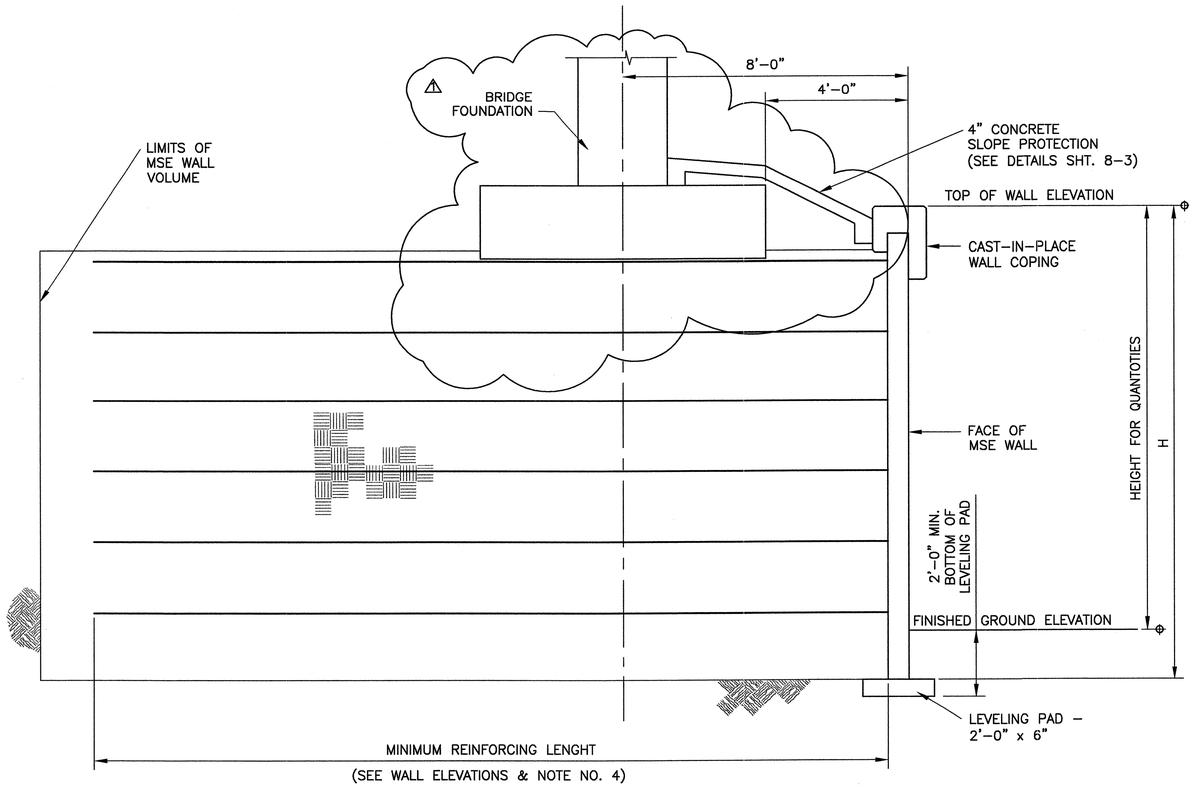
NOTE:
LOCATE DRAINAGE SLOT AT LOW POINT OF MSE WALL SYSTEM, SEE SHEETS 8-18 AND 8-19. DETAIL SIMILAR TO DETAIL BELOW EXCEPT AS NOTED OTHERWISE.

COPING DRAINAGE DETAIL
SCALE 3/4" = 1'-0"



NOTE:
PROVIDE CONTRACTION JOINT AT 10' O.C. PROVIDE 1/2" PREFORMED BITUMINOUS FILLED EXPANSION JOINT @ 50' O.C. (EVERY FIFTH JOINT) DISCONTINUE #4 LONGITUDINAL BARS 2" EACH SIDE OF EXPANSION JOINTS.

CAST-IN-PLACE WALL COPING DETAIL
SCALE 3/4" = 1'-0"



MSE WALL TYPICAL SECTION
SCALE 1/2" = 1'-0"

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT.
ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION
CONTRACTOR Solis Bros. DATE 1/08
STAKED BY SunTrac DATE
INSPECTOR'S CHANGES BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
GARY W. KINCHEN
NEW MEXICO
14366
REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REVISIONS	BY
1	MAY '06	MSE WALLS REVISIONS	CRH

WILSON & COMPANY, ENGINEERS & ARCHITECTS
REMARKS
DESIGNED BY CMK DATE FEB 2005
DRAWN BY CRH DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
MSE WALLS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 8 Of 17

WILSON & COMPANY

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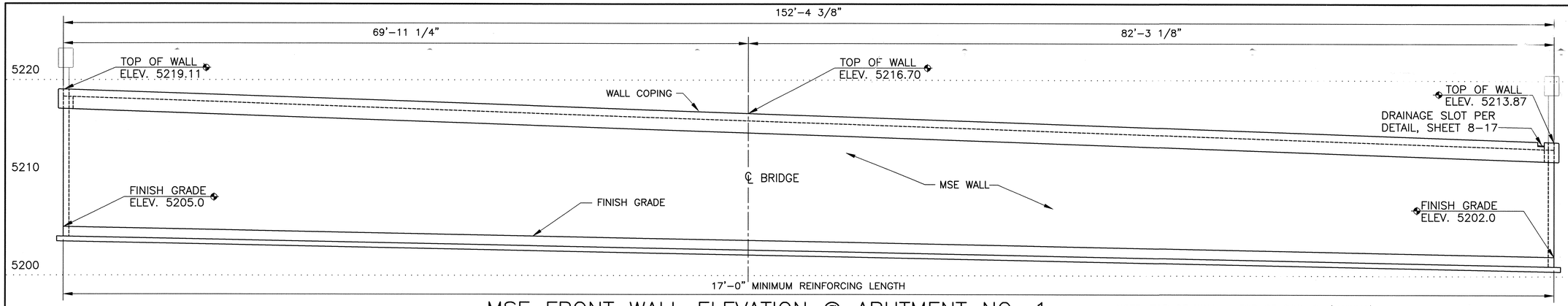
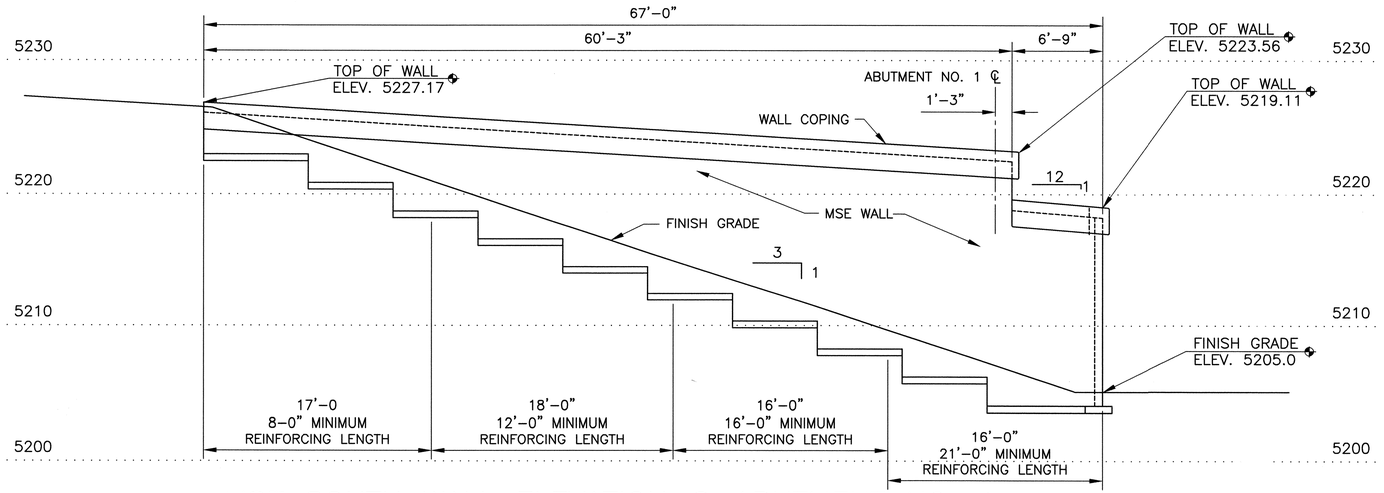


MSE FRONT WALL ELEVATION @ ABUTMENT NO. 1

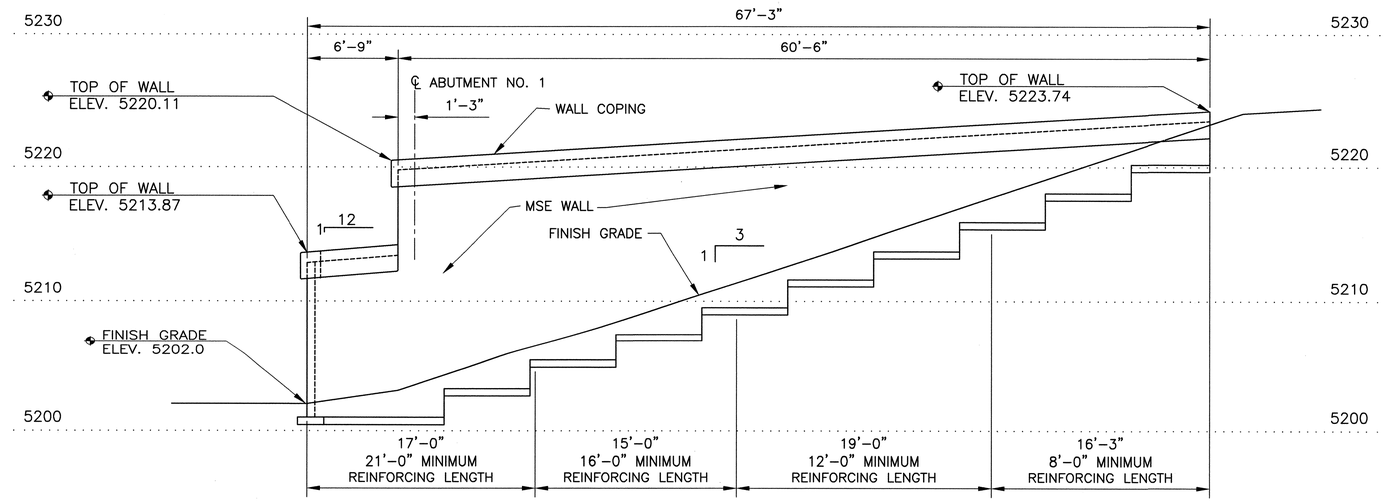
SCALE 3/16" = 1'-0"

NOTE: TOP OF WALL = TOP OF COPING, (TYPICAL)



MSE SOUTH WALL ELEVATION @ ABUTMENT NO. 1

SCALE 3/16" = 1'-0"



MSE NORTH WALL ELEVATION @ ABUTMENT NO. 1

SCALE 3/16" = 1'-0"

SEE REVISED SHEET.

AS-BUILT INFORMATION

CONTRACTOR: Salis Bros. DATE 1/08
SURVEYED BY: Surtek DATE
INSPECTION'S PERFORMED BY: DATE
FIELD VERIFICATION BY: DATE
DRAWING CORRECTED BY: Wilson+Co DATE 1/08

BENCH MARKS

THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

RECORDED BY: DATE
NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

MICRO-FILM INFORMATION

ENGINEER'S SEAL

GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

REVISIONS

NO.	DATE	REMARKS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
MSE WALLS, ABUTMENT NO. 1

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 8-18 Of

WILSON & COMPANY

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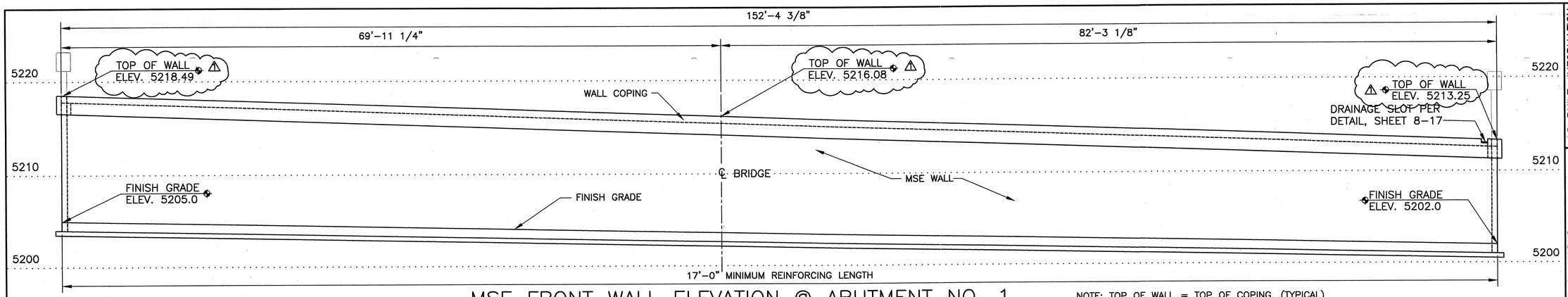
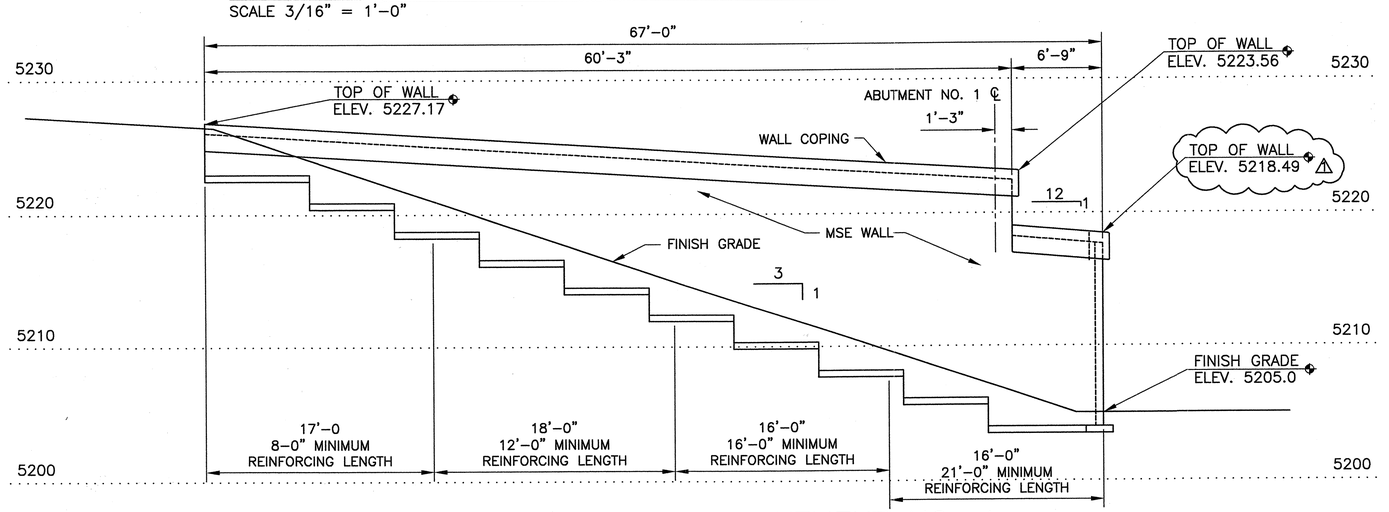


MSE FRONT WALL ELEVATION @ ABUTMENT NO. 1

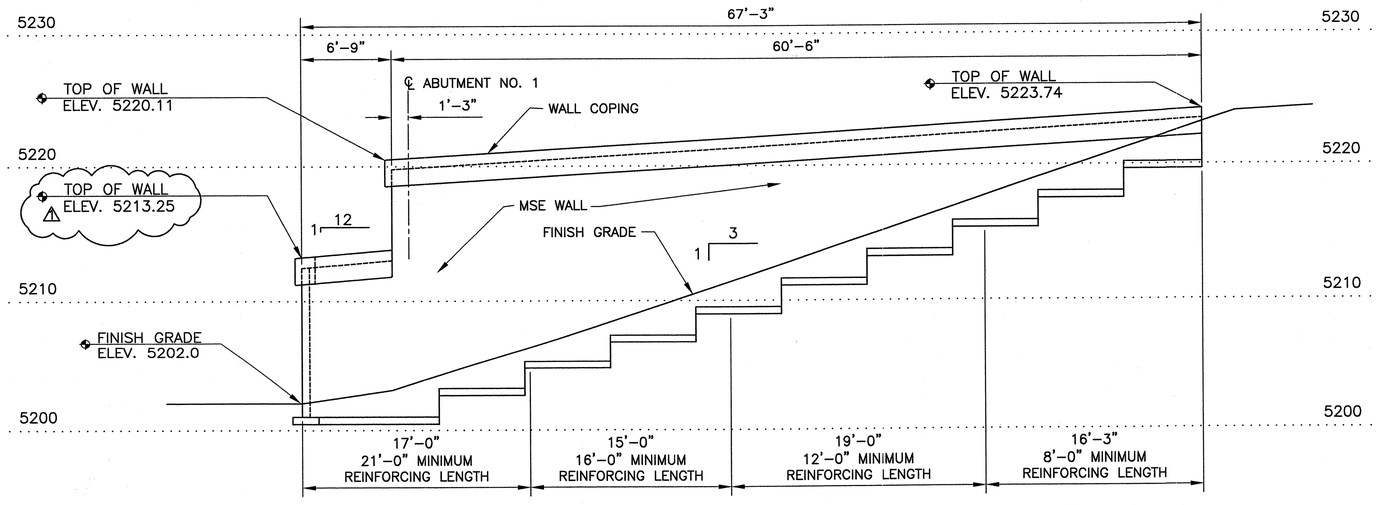
SCALE 3/16" = 1'-0"

NOTE: TOP OF WALL = TOP OF COPING, (TYPICAL)



MSE SOUTH WALL ELEVATION @ ABUTMENT NO. 1

SCALE 3/16" = 1'-0"



MSE NORTH WALL ELEVATION @ ABUTMENT NO. 1

SCALE 3/16" = 1'-0"

AS-BUILT INFORMATION
CONTRACTOR Salis Bros. DATE 1/08
WORK STAKED BY: Surv-Tek DATE
SURVEYED FOR ACCEPTANCE BY: DATE
FIELD VERIFICATION BY: DATE
DRAWINGS CORRECTED BY: Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

REVISIONS
WILSON & COMPANY, ENGINEERS & ARCHITECTS

NO.	DATE	MSE WALL REVISIONS REMARKS	BY
1	MAY '06		CRH

DESIGNED BY	GWK	DATE FEB 2005
DRAWN BY	CRH	DATE FEB 2005
CHECKED BY	SPP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
MSE WALLS, ABUTMENT NO. 1

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	8-18	

WILSON & COMPANY

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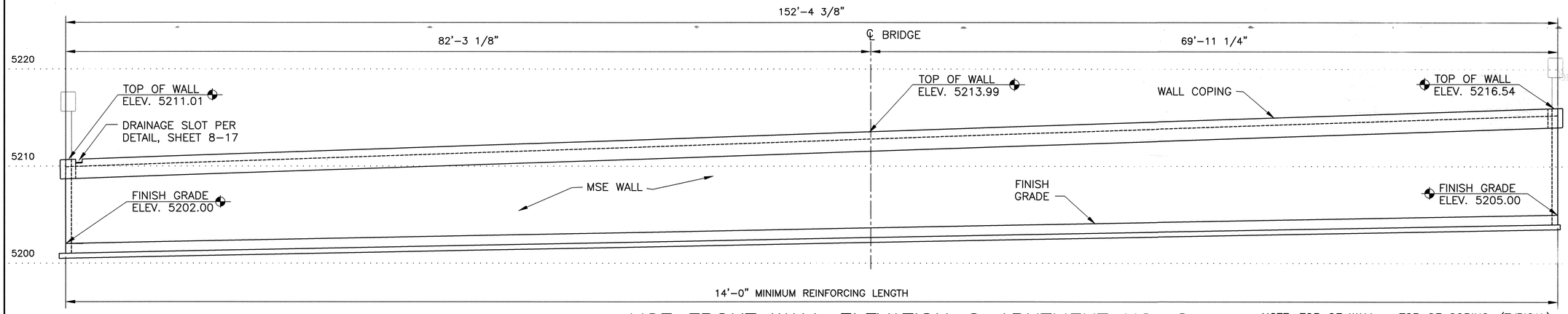
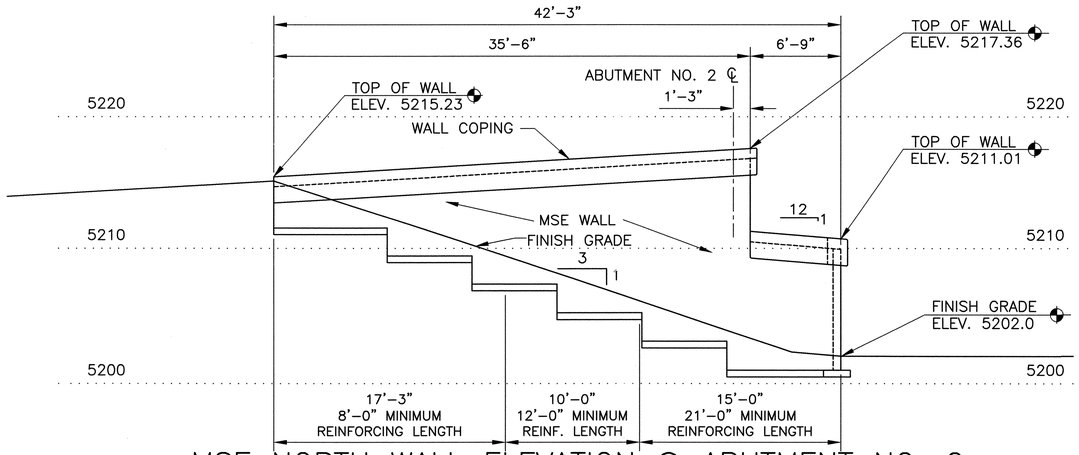


MSE FRONT WALL ELEVATION @ ABUTMENT NO. 2

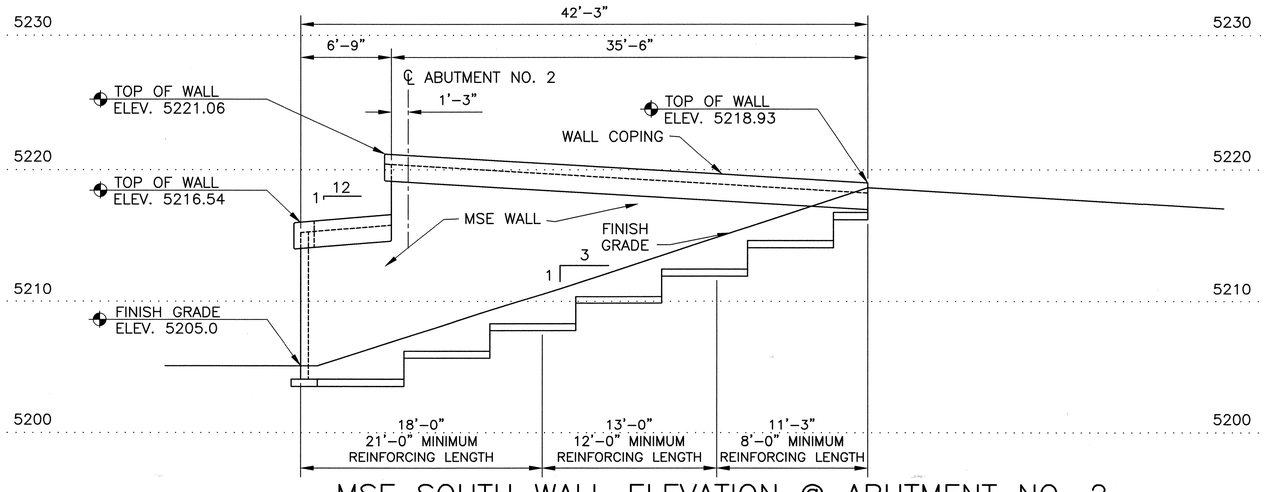
SCALE 3/16" = 1'-0"

NOTE: TOP OF WALL = TOP OF COPING, (TYPICAL)



MSE NORTH WALL ELEVATION @ ABUTMENT NO. 2

SCALE 3/16" = 1'-0"



MSE SOUTH WALL ELEVATION @ ABUTMENT NO. 2

SCALE 3/16" = 1'-0"

SEE REVISED SHEET.

AS-BUILT INFORMATION
CONTRACTOR: Salis Bros. DATE 1/08
WORK STAKED BY: Survtek DATE
INSPECTIONS BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY: Wilson & Co. DATE 1/08

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
MSE WALLS, ABUTMENT NO. 2

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 8-19 Of

WILSON & COMPANY

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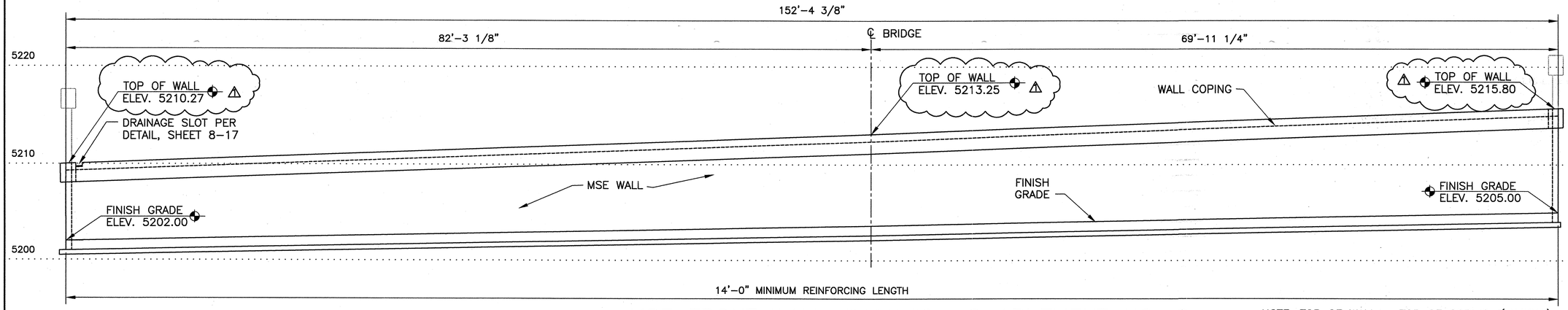
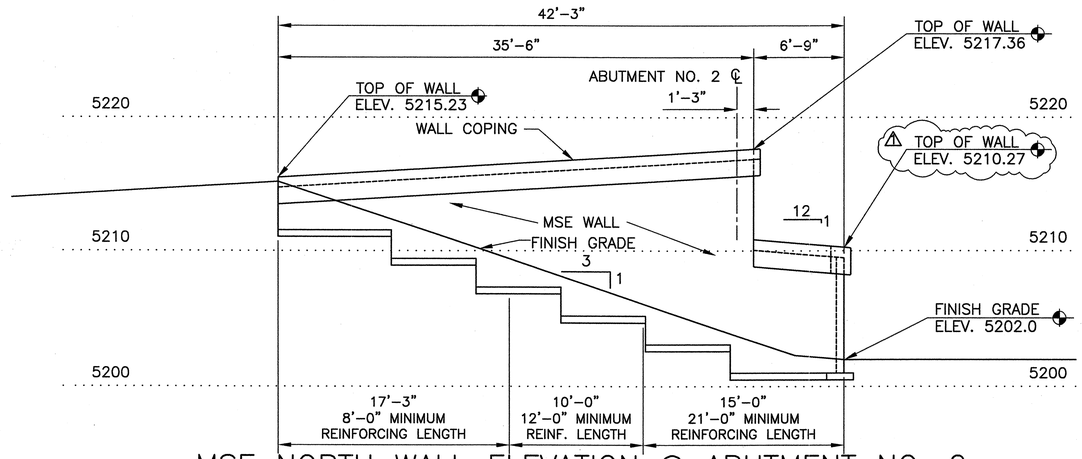


MSE FRONT WALL ELEVATION @ ABUTMENT NO. 2

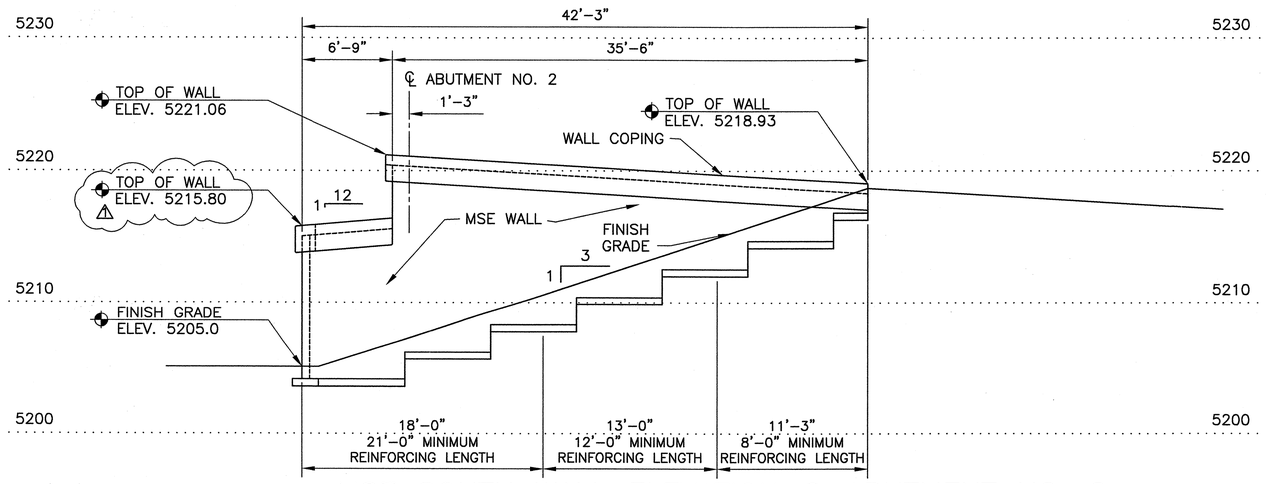
SCALE 3/16" = 1'-0"

NOTE: TOP OF WALL = TOP OF COPING, (TYPICAL)



MSE NORTH WALL ELEVATION @ ABUTMENT NO. 2

SCALE 3/16" = 1'-0"



MSE SOUTH WALL ELEVATION @ ABUTMENT NO. 2

SCALE 3/16" = 1'-0"

AS-BUILT INFORMATION

CONTRACTOR Salas Bros. DATE 1/08
WORK STAKED BY Sawyer DATE
INSPECTOR'S REMARKS DATE
FIELD REVISION BY DATE
DRAWINGS CORRECTED BY Wilson+Co. DATE 1/08
RECORDED BY DATE
NO.

BENCH MARKS

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

GARY W. KINCHEN
NEW MEXICO
14366
REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

NO.	DATE	REMARKS	BY
1	MAY '06	MSE WALLS REVISIONS	CRH
		DESIGNED BY GWK DATE FEB 2005	
		DRAWN BY CRH DATE FEB 2005	
		CHECKED BY SFP DATE FEB 2005	

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
MSE WALLS, ABUTMENT NO. 2

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	8-19	

WILSON & COMPANY

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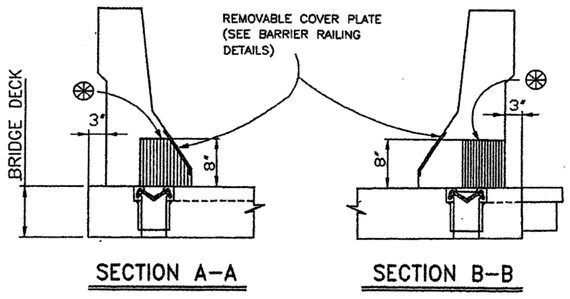
TABLE OF ALLOWABLE MOVEMENT LENGTHS AND ACCEPTABLE JOINT SEALS

SKEW	MOVEMENT LENGTH (FEET)				MANUFACTURER				JOINT MOVEMENT (in.)	* "A" [DIMENSION @ MID TEMP T_0] (in.)
	CONCRETE BRIDGE		STEEL BRIDGE		WATSON–BOMAN AND ACME "STRIP SEAL" MODEL NO.	D.S. BROWN CO., INC. "STEELFLEX" MODEL NO.	STRUCTURAL ACCESSORIES INC. "ONFLEX" MODEL NO.	R.J.WATSON "STRIP SEAL" MODEL NO.		
	SEVERE CLIMATE (–10° TO 120° F) T_0 = 120° F	MODERATE CLIMATE (20° TO 120° F) T_0 = 70° F	SEVERE CLIMATE (–30° TO 120° F) T_0 = 45° F	MODERATE CLIMATE (0 TO 120° F) T_0 = 60° F						
0° to 15°	0–427	0–556	0–342	0–427	SE–400	SSA2	40SEQ	RJ–400	0 TO 4	2
15° to 30°	0–442	0–575	0–354	0–442	SE–400	SSA2	40SEQ	RJ–400	0 TO 4	2
30° to 45°	0–493	0–642	0–395	0–493	SE–400	SSA2	40SEQ	RJ–400	0 TO 4	2

* MAXIMUM "A" IS EQUAL TO TOTAL JOINT MOVEMENT

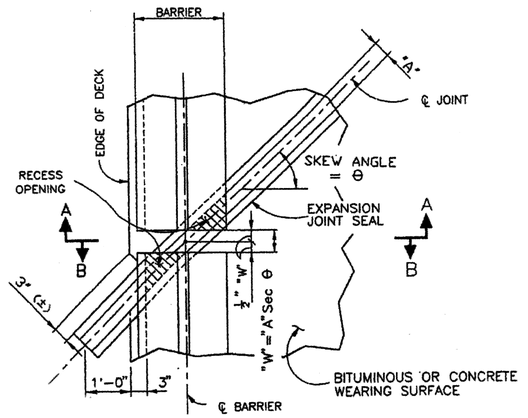


SECTION A–A SECTION B–B

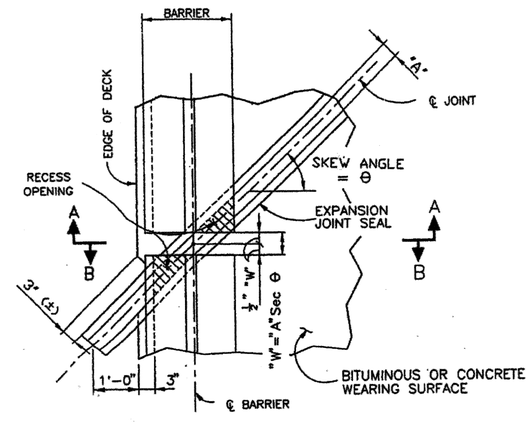
SIMILAR DETAIL FOR CURB AND SIDEWALK.

⊛ RECESS IN BASE OF WALL BARRIER

SECTIONS
NOT TO SCALE



PARTIAL PLAN – SKEWED JOINT WITH CONCRETE BARRIER RAILING
NOT TO SCALE



PARTIAL PLAN – SKEWED JOINT WITH METAL RAILING
NOT TO SCALE

GENERAL NOTES

1. JOINT SEAL SIZES ARE BASED ON AN INSTALLATION TEMPERATURE OF TO (DEGREES F, MIDPOINT TEMPERATURE) AND JOINT MOVEMENTS FOR A RANGE OF TEMPERATURES AS NOTED IN THE TABLE ON THIS SHEET. FOR INSTALLATION TEMPERATURES BELOW TO INCREASE DIMENSTION "A" BY THE AMOUNT SOWN BELOW. FOR INSTALLATION TEMPERATURES ABOVE TO DECREASE DIMENSION "A" BY THE AMOUNT SHOWN BELOW.

FOR CONCRETE BRIDGES:

CHANGE IN "A" = 0.000072 x L x cos θ x ΔT

FOR CONCRETE BRIDGES:

CHANGE IN "A" = 0.000078 x L x cos θ x ΔT

WHERE CHANGE IN "A" IS IN INCHES
L = MOVEMENT LENGTH IN FEET (SEE SUPERSTRUCTURE DETAILS)
Q = SKEW ANGLE
ΔT = CHANGE IN TEMPERATURE FROM TO °F.

EXAMPLE: (CONCRETE BRIDGE IN SEVERE CLIMATE TO = 55°F)
FOR T = 73 °F, L = 100 FT, θ = 28°
CONCRETE BRIDGE, ΔT = 73°F – 55°F = 18°F
CHANGE IN "A" = 0.000072 x 100 x 0.8829 x 18
= 0.1144 INCHES; SAY 1/8 INCH.

2. UNLESS OTHERWISE SPECIFIED ON THE PLANS, ALL STRUCTURES SHALL BE CONSIDERED TO BE SUBJECTED TO A SEVERE CLIMATE.

AS–BUILT INFORMATION
CONTRACTOR Sails Bros. DATE 1/08
SURVEYED BY SunTrac
INSPECTOR'S NOTES/SIGNATURE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co. DATE 1/08
RECORDED BY DATE

BENCH MARKS
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SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
ELASTOMERIC EXPANSION JOINT SEAL GENERAL DATA

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C–11 | Sheet 8–20 Of

WILSON & COMPANY

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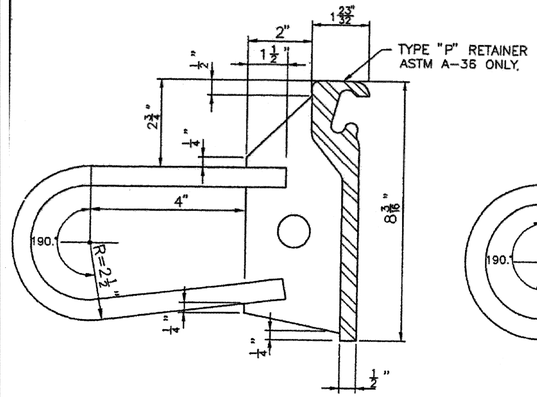
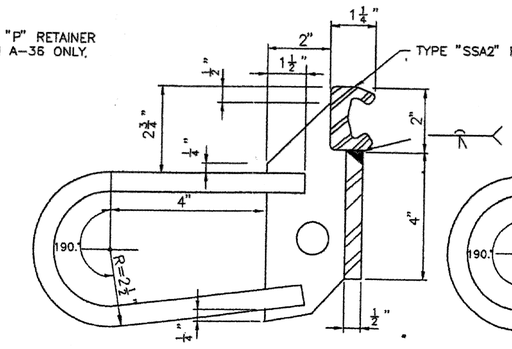
STRIP SEAL TYPE (SE)



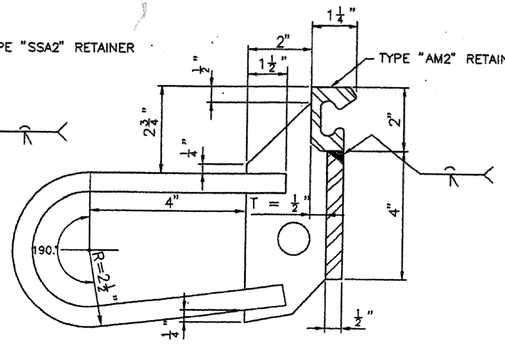
WATSON–BOWMAN & ACME
NOT TO SCALE

STEELFLEX SERIES SEAL A2R



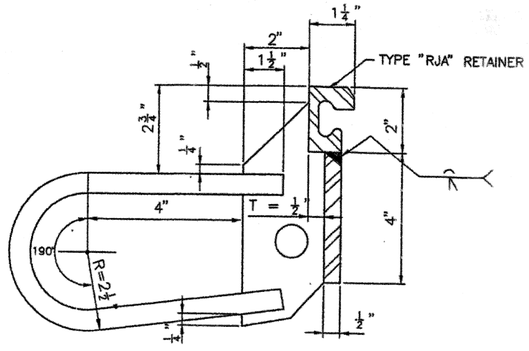
D. S. BROWN CO.
NOT TO SCALE

ONFLEX 40SEQ SEAL



STRUCTURAL ACCESSORIES, INC.
NOT TO SCALE

RJ SERIES STRIP SEAL



R. J. WATSON
NOT TO SCALE

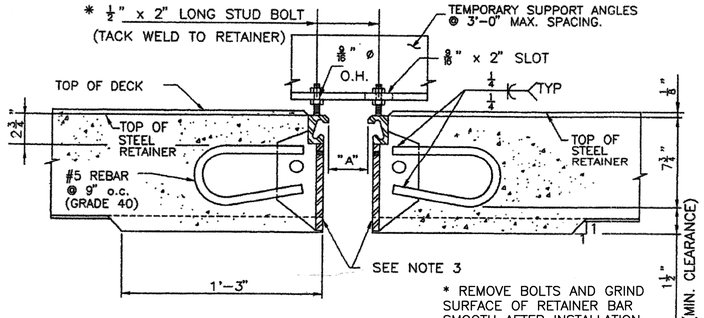
GENERAL NOTES

1. SEE SERIAL BJS–001 FOR APPROPRIATE MODEL NUMBERS AND DIMENSION "A".

2. THE ½" PLATE MAY BE ALTERED SLIGHTLY FROM THE DETAIL SHOWN TO BETTER FIT THE STEEL RETAINER PROVIDED.

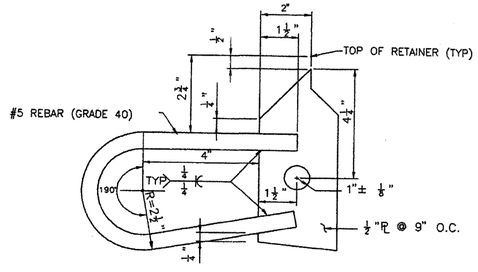
3. THE TEMPORARY SUPPORT ANGLE SHALL BE SECURED IN POSITION SO AS TO PROVDE FOR LATERAL AND VERTICAL ADJUSTMENT OF THE RETAINER BARS AND PERMIT FINAL FINISHING OF THE CONCRETE SURFACE AS APPROVED BY THE PROJECT ENGINEER.

4. SHOULD THE DEPTHS OF THE WATSON–BOWMAN & ACME RETAINERS EXCEED THE DEPTH OF THE BRIDGE DECK, THE RETAINERS SHALL BE NOTCHED TO CLEAR THE BEAMS.

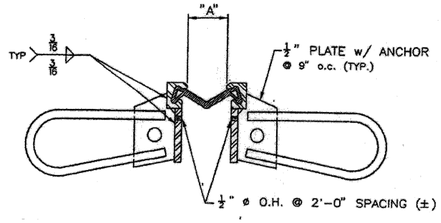


* REMOVE BOLTS AND GRIND SURFACE OF RETAINER BAR SMOOTH AFTER INSTALLATION.

ERECTION DETAIL
NOT TO SCALE



ANCHOR DETAIL
NOT TO SCALE



TYPICAL SECTION
NOT TO SCALE

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
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AS–BUILT INFORMATION
CONTRACTOR: Solis Bros. DATE: 1/08
WORK STAKED BY: Survtel DATE: 1/08
INSPECTORS DATE
FIELD REVISIONS BY: DATE
DRAWINGS CORRECTED BY: Wilson Co. DATE: 1/08
MICRO–FILM INFORMATION
RELEASED BY: DATE
NO.

ENGINEER'S SEAL
GARY W. KINCHEN
NEW MEXICO
14366
REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS / REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
ELASTOMERIC EXPANSION JOINT SEAL

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.
Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C–11
Sheet 8–21 Of

WILSON & COMPANY

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TABLE 1 – LISTING OF JOINTS					
MANUFACTURER	TYPE OF JOINT	RETAINER BAR TYPE	DIM. "A"	DIM. "W" MIN.	DIM. "T" MIN.
WATSON-BOWMAN	STRIP SEAL	"A"	2"	$12\frac{7}{16}$"	$2\frac{5}{8}$"
D.S.BROWN	STEEL FLEX	"SSA2"	2"	$13\frac{1}{16}$"	$2\frac{5}{8}$"
STRUCTURAL ACCESS.	ONFLEX	"AM2"	2"	$11\frac{1}{2}$"	$2\frac{5}{8}$"
R.J.WATSON	STRIP SEAL	"RJA"	2"	$11\frac{1}{2}$"	$2\frac{5}{8}$"

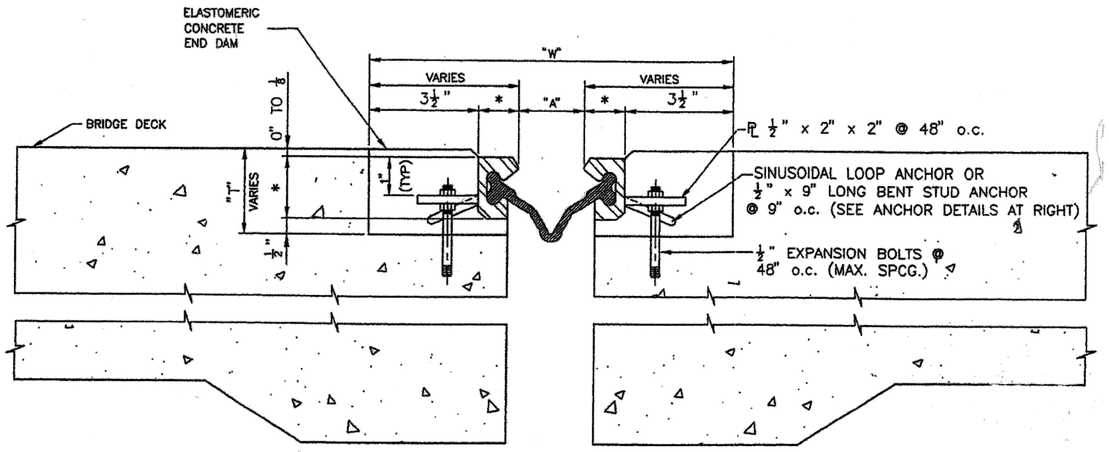
GENERAL NOTES

1. TYPE B INSTALLATION SHALL CONSIST OF A STEEL RETAINING BAR AND ANCHORAGE SYSTEM, AN ELASTOMERIC STRIP SEAL AND AN ELASTOMETRIC CONCRETE END DAM. THE ANCHORAGE SYSTEM SHALL BE OF A CONTINUOUS SINUSOIDAL TYPE, BENT STUD ANCHOR, OR AN APPROVED EQUAL.

2. SEE SERIAL BJS–001 AND BJS–002 FOR APPROPRIATE SEAL MODEL NUMERS AND DIMENSION "A".

3. FOR NEW CONSTRUCTION, OR WHERE A BRUDGE DECK IS TO BE REPLACED, INSTALL NOSING MATERIALS AND SEAL ELEMENTS AFTER THE ENTIRE DECK ADJACENT TO THE JOINTS HAS BEEN PLACED AND ACHIEVED THE SPECIFIED DESIGN STRENGTH.

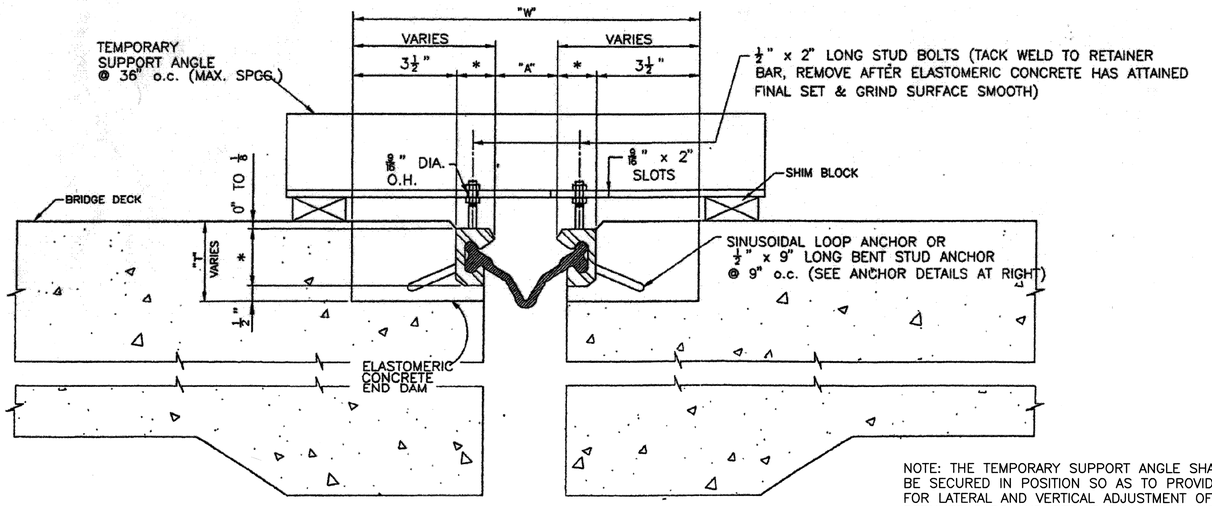
4. WHEN OLDER BOLD–DOWN JOINT SEALS ARE BEING REPLACED, THE DIMENSION "W"" SHALL BE EQUAL TO THE OLD JOINT BLOCKOUT DIMENSIONS, OR THE MINIMUM DIMENSIONS SHOWN, WHICHEVER IS GREATER; PLUS ANY ADDITIONAL AMOUNTS NEEDED TO REPLACE SPALLED OR DETERIORATED CONCRETE AT THE ENDGES OR UNDERNEATH THE OLD JOINT SEAL BLOCKOUT, ISOLATED AREAS REQUIRING EVEN GREATER WIDTHS DUE TO DETERIORATED CONCRETE SHALL BE IDENTIFIED ON THE PLANS. FOR NEW CONCRETE WHERE A NOSING MATERIALS IS REQUIRED, THE DIMENSIONS "A", AND "W" AND "T" (MINIMUM SHOWN IN TABLE 1) SHALL BE CALLED OUT ON THE PLANS.



ERECTION DETAIL (ALTERNATE 1)

NOT TO SCALE

* DIMENSION OF RETAINER BAR VARIES WITH MANUFACTURER.



NOTE: THE TEMPORARY SUPPORT ANGLE SHALL BE SECURED IN POSITION SO AS TO PROVIDE FOR LATERAL AND VERTICAL ADJUSTMENT OF THE RETAINER BARS AND PERMIT FINAL FINISHING OF THE ELASTOMERIC CONCRETE SURFACE AS APPROVED BY THE PROJECT ENGINEER.

ERECTION DETAIL (ALTERNATE 1)

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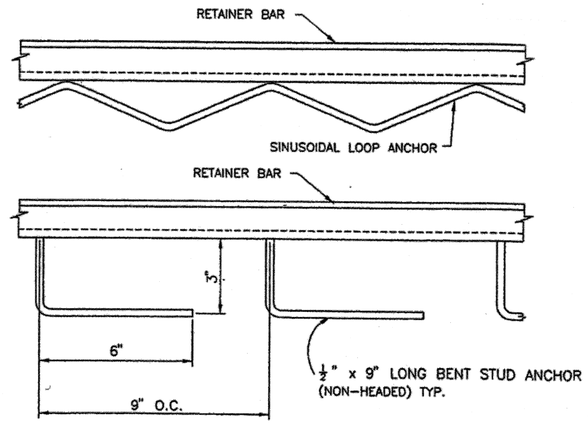

PERMISSIBLE ANCHOR DETAILS

NOT TO SCALE

AS–BUILT INFORMATION
CONTRACTOR: Sails Bros. DATE: 1/08
SURVEYED BY: Survtek DATE
INSPECTION'S FIELD FURNISHED BY: DATE
DRAWINGS CORRECTED BY: Wilson + Co. DATE: 1/08
RECORDED BY: DATE

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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

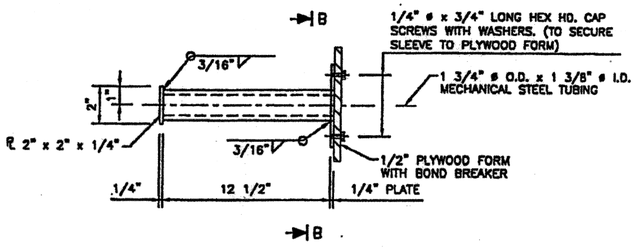
PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
ELASTOMERIC EXPANSION JOINT SEAL

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

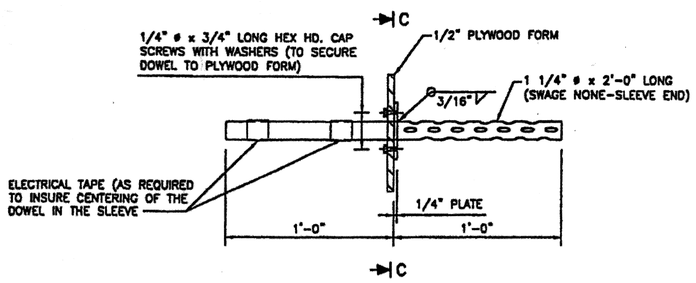
City Project No.	Zone Map No.	Sheet	Of
COA 705002	C–11	8–22	

WILSON & COMPANY

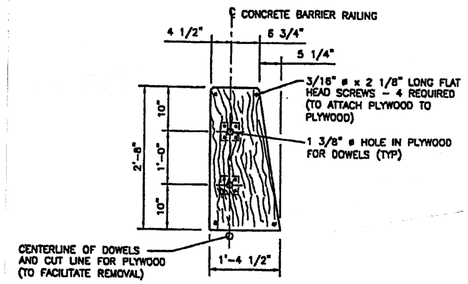
X:\Public\PROJECTS\X3022\Structures\SECTION 8\Sht. 8–22 – bridge joint strip seals type B.dwg 2/23/2005 4:18:34 PM MST



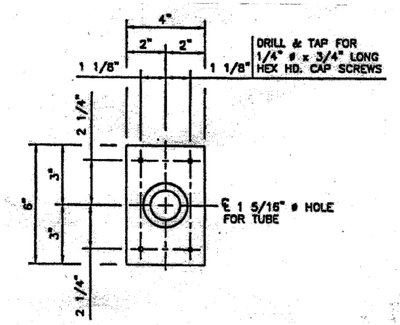
DOWEL SLEEVE DETAIL
NOT TO SCALE



DOWEL DETAIL
NOT TO SCALE

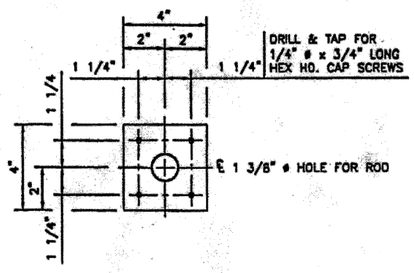


SECTION A–A
NOT TO SCALE



1/4" THICK PLATE

SECTION B–B
NOT TO SCALE



1/4" THICK PLATE

SECTION C–C
NOT TO SCALE

GENERAL NOTES:

1. REFER TO GENERAL NOTES ON SHEET 8–7 FOR REQUIREMENTS NOT LISTED HERE.

2. SET SLEEVE ASSEMBLY PARALLEL TO THE BRIDGE DECK GRADE AND OUTSIDE FACE OF BRIDGE BARRIER.

3. CUT PLYWOOD AND STYROFOAM FILLER TO MATCH BARRIER CROSS–SECTION AT JOINT. COAT PLYFOOD WITH A CONCRETE BOND BREAKER PRIOR TO PLACING CONCRETE.

4. AFTER CONCRETE INITIAL SET, REMOVE STYROFOAM FILLER, CUT 1/4" DIA. HEX HD. CAP SCREWS, AND REMOVE PLYWOOD FORMS FROM THE JOINT.

5. COST OF ALL MATERIALS FOR AND INSTALLATION OF DOWEL ASSEMBLIES IS INCIDENTAL TO ARTISTIC CONCRETE BARRIER COST.

SURVEY INFORMATION

NO.	BY	DATE	FIELD NOTES
			THE STA. IS A 3" ALUMINUM CAP STAMPED "ACS 1–C11
			1986 SET FLUSH IN THE LAVA OUTCROP. THE STA IS
			LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA
			FROM I–40 & COORS RD., GO N. ON COORS 3.25 MI. TO
			MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO
			TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE
			NORTENA, TURN W.–N.W. & GO 0.1 MI. TO RIDGEWAY DR.,
			THE STA. IS N.E. OF THIS POINT. ELEVATION =
			5275.14 FT. (2ND ORDER–1ST CLASS) (NAVD 88)

BENCH MARKS

AS–BUILT INFORMATION
CONTRACTOR Salis Bros. DATE 1/08
WORK STAKED BY Survtek DATE
INSPECTORS DATE
FIELD VERIFICATIONS BY DATE
DRAWINGS CORRECTED BY Wilson + Co. DATE 1/08
RECORDED BY MICRO–FILM INFORMATION DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS / REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

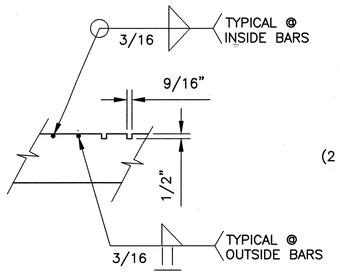
PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
DOWEL ASSEMBLY FOR ARTISTIC CONCRETE BARRIER

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. / Mo./Day/Yr.

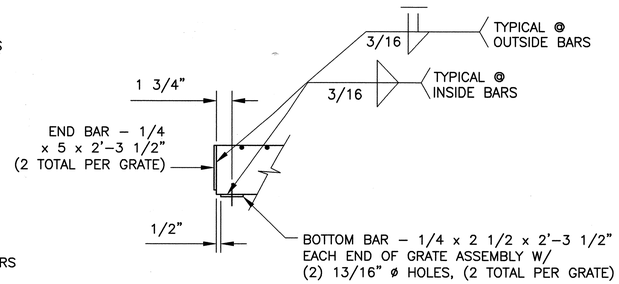
City Project No. COA 705002 | Zone Map No. C–11 | Sheet 8–23 Of

WILSON & COMPANY

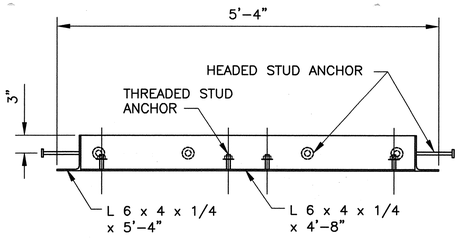
X:\Public\PROJECTS\X3022\Structures\SECTION 8\Sht. 8-23 - dowel assembly for artistic concrete barrier.dwg 2/23/2005 3:41:12 PM MST



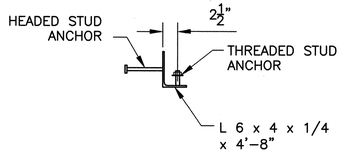
DETAIL "X"
SCALE 1 1/2" = 1'–0"



DETAIL "Y"
SCALE 1 1/2" = 1'–0"



SECTION A
SCALE 1"= 1'–0"



SECTION B
SCALE 1"= 1'–0"

NOTES:

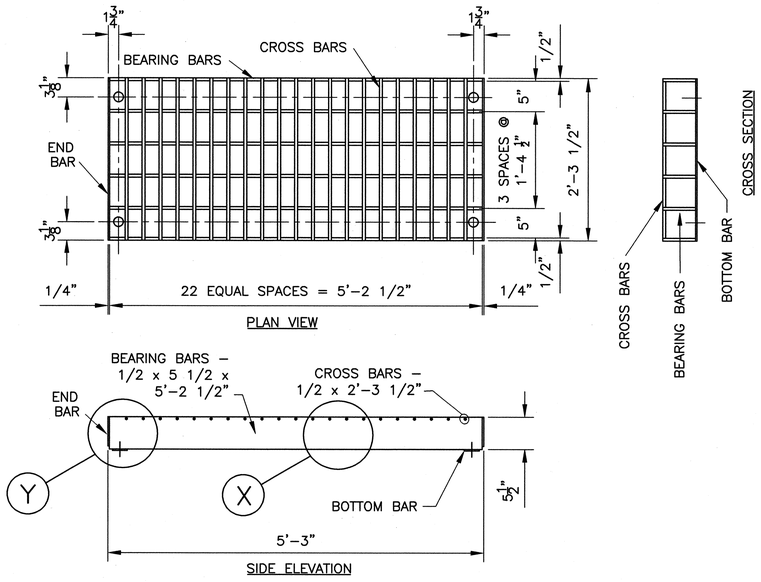
1. STRUCTURAL STEEL: SECTION 139 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 WITH UPDATES.
2. FIELD WELD NUTS TO BOLTS AFTER INSTALLING GRATING, AND TOUCH UP PAINT IN ACCORDANCE WITH SECTION 157 OF THE SPECIFICATIONS.
3. THE COST OF ALL WORK AND MATERIALS ASSOCIATED WITH THE MEDIAN GRATES IS INCIDENTAL TO THE CONSTRUCTION.

DESIGN DATA:

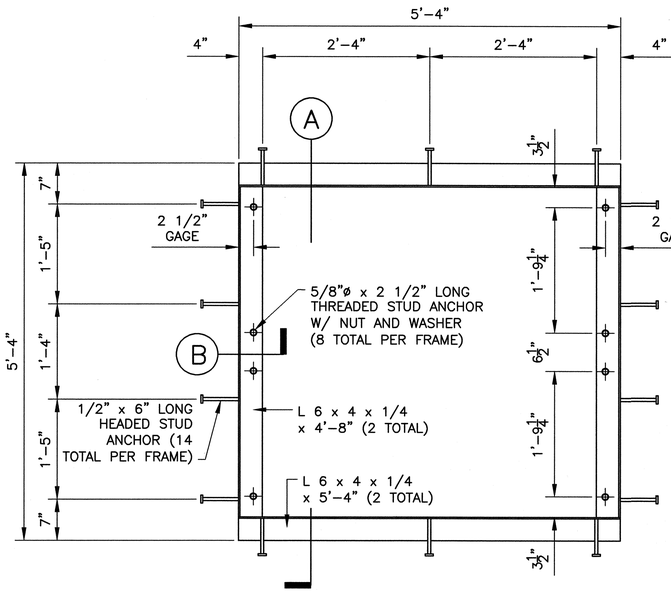
DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1992.

DESIGN STRESSES:
STRUCTURAL STEEL – Fy = 36,000 PSI

LIVE LOAD ON GRATING:
ONE (1) – 16k WHEEL LOAD, 30% IMPACT, 15% OVERSTRESS.



GRATE ASSEMBLY DETAILS (2 PER FRAME)
SCALE 1"= 1'–0"



ANGLE FRAME – PLAN
SCALE 1"= 1'–0"

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED "ACS 1–C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I–40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.–N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER–1ST CLASS) (NAVD 88)

AS–BUILT INFORMATION
CONTRACTOR: Sais Bros. DATE: 1/08
WORK STAKED BY: ACCEPTANCE BY: Gary Tez DATE
FIELD VERIFICATION BY: DATE
DRAWINGS CORRECTED BY: Wilson+Co DATE: 1/08
MICRO–FILM INFORMATION
RECORDED BY: DATE
NO.

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REMARKS
		REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

	BY	DATE
DESIGNED BY	GWK	FEB 2005
DRAWN BY	CRH	FEB 2005
CHECKED BY	SFP	FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 39+20.00 BRIDGE
MEDIAN GRATE DETAILS

Design Review Committee: APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 15 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C–11	8–24	

WILSON & COMPANY

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DRAWINGS REQUIRED

9-1 GENERAL NOTES AND ESTIMATED QUANTITIES

9-2 STRUCTURAL LOCATION PLAN

9-3 STRUCTURE LOCATION PROFILE

9-4 FOUNDATION DATA 4 9-4A

9-5 TYPICAL SECTION

9-6 FRAMING PLAN AND LONGITUDINAL SECTION

9-7 DECK REINFORCEMENT PLAN

9-8 BEAM SEAT AND DECK ELEVATIONS

9-9 ABUTMENT NO. 1 PLAN AND ELEVATION

9-10 ABUTMENT NO. 2 PLAN AND ELEVATION

9-11 ABUTMENT DETAILS

9-12 REBAR DIAGRAM AND SCHEDULE

9-13 PRESTRESSING AND END ANCHORAGE DETAILS

9-14 ARTISTIC CONNECTION DETAILS

9-15 EXCAVATION AND BACKFILL FOR BRIDGES AND WALLS

9-16 OVERHEAD CLEARANCE SIGN SUPPORT

GENERAL NOTES

1. SPECIFICATIONS FOR CONSTRUCTION: CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 WITH UPDATES, AND APPLICABLE SUPPLEMENTAL TECHNICAL SPECIFICATIONS.

2. DRILL-HOLE INFORMATION: THE PROJECT ENGINEER IS NOT RESPONSIBLE FOR ANY INTERPRETATION OR ASSUMPTIONS MADE BY THE CONTRACTOR BASED ON THE DRILL-HOLE INFORMATION SHOWN ON THE PLANS.

3. CONCRETE: PER SECTION 510. CHAMFER ALL EXPOSED EDGES OF STRUCTURES 3/4" UNLESS OTHERWISE NOTED.

   SUPERSTRUCTURE: 5500 PSI
   SUBSTRUCTURE: 3000 PSI.

4. FINISHING CONCRETE SURFACES: THE FOLLOWING SURFACES HAVE TEXTURE AND COLOR REQUIREMENTS:
   A. ALL EXPOSED CONCRETE SURFACES.
   B. EXPOSED SURFACES OF ACCESS HATCHES
   REFER TO SECTION 6 OF PLANS FOR REQUIREMENTS.

5. REINFORCING BARS: AASHTO M 31, GRADE 60. DIMENSIONS SHOWN REFER TO THE CENTERLINE OF BARS UNLESS OTHERWISE NOTED.

6. STRUCTURAL STEEL:

COMPONENT	GRADE
ALL	AASHTO M 270, GRADE 36

7. PRESTRESSING NOTES: SEE SHEET 9-13.

8. BRIDGE NUMBER PLATE: FURNISH 2 BRIDGE NUMBER PLATES CONFORMING TO THE DETAILS SHOWN. THE COST OF THE PLATES IS INCIDENTAL TO CONSTRUCTION AND WILL NOT BE PAID FOR DIRECTLY.

9. PERMANENT ANTI-GRAFFITI PROTECTIVE COATING: APPLY TO THE FOLLOWING SURFACES:
   A. BRIDGE CONCRETE BARRIER RAILINGS.
   B. EXPOSED SURFACES OF BOX GIRDER.
   C. EXPOSED SURFACES OF ABUTMENTS AND WINGWALLS ABOVE THE GRADE LINE.

10. SOLDIER-PILE WALL AND CMU TIERED WALL DETAILS: REFER TO SECTION 7 OF THE PLANS FOR DETAILS OF THE WALLS AND GROUND ANCHORS.

11. CONSTRUCTION SEQUENCE: COORDINATE CONSTRUCTION OF ANCHORED SOLDIER-PILE WALL AT BRIDGE WITH THE BRIDGE CONSTRUCTION. SUBMIT PROPOSED CONSTRUCTION SEQUENCE TO PROJECT ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

12. FOUNDATION PREPARATION: REMOVE ROCK AND OVERBURDEN TO ELEVATIONS AND EXTENTS SHOWN IN THE PLANS. USE CARE TO AVOID DAMAGING REMAINING FOUNDATION MATERIALS. OBTAIN PROJECT ENGINEER'S APPROVAL OF FOUNDATION PRIOR TO BEGINNING CONCRETE CONSTRUCTION. PAYMENT WIL NOT BE MADE FOR COSTS TO REPAIR DAMAGE DUE SOLELY TO EXCAVATION METHODS.

13. FOUNDATION ELEVATIONS SHOWN ARE APPROXIMATE. SITE CONDITIONS MAY REQUIRE ADJUSTMENT TO ELEVATIONS SHOWN IN THE PLANS.

14. TEMPORARY CONSTRUCTION: CONSTRUCT THE CAST-IN-PLACE BOX GIRDER ON EITHER FALSEWORK OR TEMPORARY EMBANKMENT.

    DESIGN & CONSTRUCT FALSEWORK PER SUPPLEMENTAL TECHNICAL SPECIFICATION 572.

    IF TEMPORARY EMBANKMENT IS USED IN LIEU OF FALSEWORK, CONSTRUCT AND COMPACT EMBANKMENTS PER THE PROJECT EARTHWORK SPECIFICATIONS. CONSTRUCT A CONCRETE WASTEING SLAB AS A PLATFORM FOR THE BRIDGE CONSTRUCTION. SUBMIT DETAILS OF TEMPORARY CONSTRUCTION, INCLUDING SLAB DESIGN, TO PROJECT ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

GENERAL NOTES (CONT.)

15. STAY-IN-PLACE DECK FORMS: PERMANENT STEEL DECK FORMS MAY BE USED FOR TOP SLAB CONSTRUCTION. SUBMIT DESIGN CALCULATIONS AND SPECIFICATIONS FOR THE PROPOSED FORMING SYSTEM TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

16. DEFLECTION/CAMBER GROWTH: PROVIDE MEANS TO MEASURE DEFLECTION/CAMBER GROWTH. COORDINATE SCHEDULE FOR LIGHTWEIGHT FILL PLACEMENT PER PROJECT ENGINEER'S DIRECTION.

17. LIGHTWEIGHT FILL PLANTING SECTION: AFTER BRIDGE CONSTRUCTION, INCLUDING PRESTRESSING, IS COMPLETE, AND FALSEWORK SUPPORT IS REMOVED, WAIT THIRTY (30) DAYS BEFORE PLACING FILL ON BRIDGE DECK. PLACE FILL USING SMALL LOADER EQUIPMENT WEIGHING 1000 POUNDS MAXIMUM.

    REFER TO SUPPLEMENTAL TECHNICAL SPECIFICATION 1012 FOR DETAILS AND LIMITATIONS ON APPLYING WATER TO THE PLANTING SECTION. WATERING SCHEDULE IMMEDIATELY AFTER COMPLETION OF THE BRIDGE MAY BE ADJUSTED BY THE PROJECT ENGINEER.

18. BRIDGE APPROACHES BACKFILL: REFER TO ROADWAY PLANS FOR DETAILS.

DESIGN DATA

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH (2002) EDITION.

DESIGN STRESSES:	
SUPERSTRUCTURE REINFORCED CONCRETE:	f'c = 5500 PSI (28 DAYS)
SUBSTRUCTURE REINFORCED CONCRETE:	f'c = 3000 PSI (28 DAYS)
REINFORCING STEEL:	fy = 60000 PSI
PRESTRESSED CONCRETE:	SEE "PRESTRESSING NOTES, SHEET 9-13
LIGHTWEIGHT FILL:	40 PCF
LIVE LOAD:	85 PSF PEDESTRIAN LOAD
STAY-IN-PLACE DECK FORMS:	15 PSF
WIND VELOCITY:	75 MPH
SEISMIC PERFORMANCE CATEGORY (SPC):	B

GEOTECHNICAL INVESTIGATION:
PASEO DEL NORTE EXTENSION PROJECT
(EASTERN BOUNDARY OF PETROGLYPH TO KIMMICK ROAD)
COA PROJECT NO. 705002
BY: KLEINFELDER, INC.
DATE: FEBRUARY 2005

ALLOWABLE BEARING PRESSURE: 20 TSF

MAXIMUM ABUTMENT FOOTING BEARING PRESSURES:
ABUTMENT NO. 1: 4.1 TSF (GROUP I)
ABUTMENT NO. 2: 4.1 TSF (GROUP I)

SUPPLEMENTAL SPECIFICATIONS

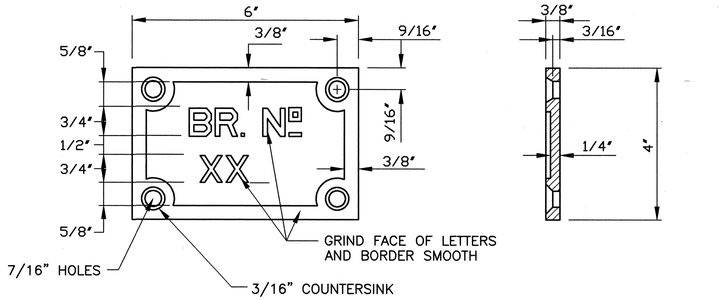
SECTION 555 – STRUCTURE EXCAVATION AND BACKFILL FOR BRIDGES
SECTION 563 – GEOTEXTILES
SECTION 564 – PREFABRICATED COMPOSITE DRAINAGE SYSTEM
SECTION 570 – PRESTRESSED POST-TENSIONED CONCRETE STRUCTURES
SECTION 571 – NON-SHRINK GROUT FOR POST-TENSIONED BRIDGE MEMBERS
SECTION 572 – FALSEWORK FOR CAST-IN-PLACE BRIDGE CONSTRUCTION
~~SECTION 580~~ – SUPERSTRUCTURE CONCRETE – SECTION 510
SECTION 590 – PENETRATING WATER REPELLENT TREATMENT
SECTION 592 – PERMANENT ANT-GRAFFITI PROTECTIVE COATING
SECTION 1012 – NATIVE GRASS SEEDING

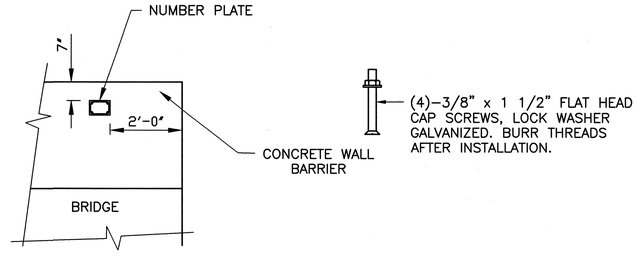
(SEE SUPPLEMENTAL TECHNICAL SPECIFICATIONS IN CONTRACT DOCUMENTS)

INCIDENTAL ITEMS

1. PERMANENT ANTI-GRAFFITI PROTECTIVE COATING
2. PREFORMED BITUMINOUS JOINT FILLER (M213)
3. BRIDGE NUMBER PLATES
4. ELASTOMERIC BEARING PADS
5. STRUCTURAL STEEL
6. ABUTMENT WATERPROOFING SYSTEM
7. PREFABRICATED COMPOSITE DRAINAGE SYSTEM
8. GALVANIZED SHEET METAL, 16 GA.
9. GALVANIZED SHEET METAL, 14 GA.
10. WATERSTOP AND ITS APPURTENANCES
11. ARTISTIC FORM REVEAL FEATURE
12. VERTICAL CLEARANCE SIGN AND ATTACHMENTS
13. PENETRATING WATER REPELLENT TREATMENT
14. BARRIER BEARING PLATE AND HARDWARE FOR ARTISTIC PEDESTRIAN FENCE
15. INSERTS FOR CROW SITES

NOTE:
ITEMS LISTED ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS, AND MAY NOT BE COMPLETE. THIS LIST DOES NOT INCLUDE INCIDENTAL WORK OR MATERIALS REQUIRED BY STANDARD DRAWINGS, SUPPLEMENTAL TECHNICAL SPECIFICATIONS OR THE STANDARD SPECIFICATIONS.





PARTIAL ELEVATION

NOTES:

TWO PLATES WITH BOLTS REQUIRED FOR EACH BRIDGE. MATERIAL EQUALS CAST IRON, RAISED BLOCK LETTER OF NEAT SQUARE CUT DESIGN, GRIND FACE, & HOT DIPPED GALV.

EACH PLATE IS TO BE PLACED AT EACH END OF THE BRIDGE ON THE INSIDE FACE OF THE CONCRETE BARRIER RAILING AT THE END OF THE DECK. LOCATE ON RIGHT SIDE AS ONE APPROACHES BRIDGE.

BRIDGE NUMBER PLATE DETAILS

ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	SUPER-STRUCTURE	SUBSTRUCTURE		TOTAL
				ABUT. NO. 1	ABUT. NO. 2	
1012.050	LIGHTWEIGHT FILL PLANTING SECTION	CY	286			286
555.010	BRIDGE EXCAVATION AND BACKFILL	CY		136.0	112.0	248.0
103.010	EPOXY COATED REINFORCING BARS, GRADE 60	LB	48534			48534
102.010	REINFORCING BARS, GRADE 60	LB	22801	5683	6004	34488
510.030	CONCRETE BARRIER	LF	330.0			330.0
570.010	PRESTRESSING	LS	1.0			1.0
510.010	SUPERSTRUCTURE CONCRETE	CY	415.4			415.4
510.020	SUBSTRUCTURE CONCRETE CLASS A	CY		42.9	42.9	85.9

SEE REV. SHT.

AS-BUILT INFORMATION
CONTRACTOR Sails Bros. DATE 1/08
WORK INSPECTED BY Sun Tek DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR.. THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY CWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
GENERAL NOTES & ESTIMATED QUANITIES

Design Review Committee: APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 15 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C-11
Sheet 9-1 Of

WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 9- LAND B\Sht 9-1 - GSN.dwg 2/23/2005 3:48:22 PM MST

DRAWINGS REQUIRED

9-1 GENERAL NOTES AND ESTIMATED QUANTITIES

9-2 STRUCTURAL LOCATION PLAN

9-3 STRUCTURE LOCATION PROFILE

9-4 FOUNDATION DATA

9-4A FOUNDATION DATA ⚠

9-5 TYPICAL SECTION

9-6 FRAMING PLAN AND LONGITUDINAL SECTION

9-7 DECK REINFORCEMENT PLAN

9-8 BEAM SEAT AND DECK ELEVATIONS

9-9 ABUTMENT NO. 1 PLAN AND ELEVATION

9-10 ABUTMENT NO. 2 PLAN AND ELEVATION

9-11 ABUTMENT DETAILS

9-12 REBAR DIAGRAM AND SCHEDULE

9-13 PRESTRESSING AND END ANCHORAGE DETAILS

9-14 ARTISTIC CONNECTION DETAILS

9-15 EXCAVATION AND BACKFILL FOR BRIDGES AND WALLS

9-16 OVERHEAD CLEARANCE SIGN SUPPORT

GENERAL NOTES

1. SPECIFICATIONS FOR CONSTRUCTION: CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 WITH UPDATES, AND APPLICABLE SUPPLEMENTAL TECHNICAL SPECIFICATIONS.

2. DRILL-HOLE INFORMATION: THE PROJECT ENGINEER IS NOT RESPONSIBLE FOR ANY INTERPRETATION OR ASSUMPTIONS MADE BY THE CONTRACTOR BASED ON THE DRILL-HOLE INFORMATION SHOWN ON THE PLANS.

3. CONCRETE: PER SECTION 510. CHAMFER ALL EXPOSED EDGES OF STRUCTURES 3/4" UNLESS OTHERWISE NOTED.

   SUPERSTRUCTURE: 5500 PSI
   SUBSTRUCTURE: 3000 PSI.

4. FINISHING CONCRETE SURFACES: THE FOLLOWING SURFACES HAVE TEXTURE AND COLOR REQUIREMENTS:
   A. ALL EXPOSED CONCRETE SURFACES.
   B. EXPOSED SURFACES OF ACCESS HATCHES
   REFER TO SECTION 6 OF PLANS FOR REQUIREMENTS.

5. REINFORCING BARS: AASHTO M 31, GRADE 60. DIMENSIONS SHOWN REFER TO THE CENTERLINE OF BARS UNLESS OTHERWISE NOTED.

6. STRUCTURAL STEEL:

COMPONENT	GRADE
ALL	AASHTO M 270, GRADE 36

7. PRESTRESSING NOTES: SEE SHEET 9-13.

8. BRIDGE NUMBER PLATE: FURNISH 2 BRIDGE NUMBER PLATES CONFORMING TO THE DETAILS SHOWN. THE COST OF THE PLATES IS INCIDENTAL TO CONSTRUCTION AND WILL NOT BE PAID FOR DIRECTLY.

9. PERMANENT ANTI-GRAFFITI PROTECTIVE COATING: APPLY TO THE FOLLOWING SURFACES:
   A. BRIDGE CONCRETE BARRIER RAILINGS.
   B. EXPOSED SURFACES OF BOX GIRDER.
   C. EXPOSED SURFACES OF ABUTMENTS AND WINGWALLS ABOVE THE GRADE LINE.

10. SOLDIER-PILE WALL AND CMU TIERED WALL DETAILS: REFER TO SECTION 7 OF THE PLANS FOR DETAILS OF THE WALLS AND GROUND ANCHORS.

10A. TEMPORARY TIEBACK CONSTRUCTION: CONSTRUCT TEMPORARY TIEBACKS AT ABUTMENTS PER DETAILS AND REQUIREMENTS OF SECTION 7 OF THE PLANS. RELEASE ALL TIEBACK FORCES AFTER ABUTMENT CONSTRUCTION IS COMPLETED AND FILL ANCHOR HOLES PER THE SPECIFICATIONS. ⚠

11. CONSTRUCTION SEQUENCE: COORDINATE CONSTRUCTION OF ANCHORED SOLDIER-PILE WALL AT BRIDGE WITH THE BRIDGE CONSTRUCTION. SUBMIT PROPOSED CONSTRUCTION SEQUENCE TO PROJECT ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

12. FOUNDATION PREPARATION: REMOVE ROCK AND OVERBURDEN TO ELEVATIONS AND EXTENTS SHOWN IN THE PLANS. USE CARE TO AVOID DAMAGING REMAINING FOUNDATION MATERIALS. OBTAIN PROJECT ENGINEER'S APPROVAL OF FOUNDATION PRIOR TO BEGINNING CONCRETE CONSTRUCTION. PAYMENT WIL NOT BE MADE FOR COSTS TO REPAIR DAMAGE DUE SOLELY TO EXCAVATION METHODS.

13. FOUNDATION ELEVATIONS SHOWN ARE APPROXIMATE. SITE CONDITIONS MAY REQUIRE ADJUSTMENT TO ELEVATIONS SHOWN IN THE PLANS.

14. TEMPORARY CONSTRUCTION: CONSTRUCT THE CAST-IN-PLACE BOX GIRDER ON EITHER FALSEWORK OR TEMPORARY EMBANKMENT.

    DESIGN & CONSTRUCT FALSEWORK PER SUPPLEMENTAL TECHNICAL SPECIFICATION 572.

GENERAL NOTES (CONT.)

14. (CONT.) IF TEMPORARY EMBANKMENT IS USED IN LIEU OF FALSEWORK, CONSTRUCT AND COMPACT EMBANKMENTS PER THE PROJECT EARTHWORK SPECIFICATIONS. CONSTRUCT A CONCRETE WASTEING SLAB AS A PLATFORM FOR THE BRIDGE CONSTRUCTION. SUBMIT DETAILS OF TEMPORARY CONSTRUCTION, INCLUDING SLAB DESIGN, TO PROJECT ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

15. STAY-IN-PLACE DECK FORMS: PERMANENT STEEL DECK FORMS MAY BE USED FOR TOP SLAB CONSTRUCTION. SUBMIT DESIGN CALCULATIONS AND SPECIFICATIONS FOR THE PROPOSED FORMING SYSTEM TO THE PROJECT ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

16. DEFLECTION/CAMBER GROWTH: PROVIDE MEANS TO MEASURE DEFLECTION/CAMBER GROWTH. COORDINATE SCHEDULE FOR LIGHTWEIGHT FILL PLACEMENT PER PROJECT ENGINEER'S DIRECTION.

17. LIGHTWEIGHT FILL PLANTING SECTION: AFTER BRIDGE CONSTRUCTION, INCLUDING PRESTRESSING, IS COMPLETE, AND FALSEWORK SUPPORT IS REMOVED, WAIT THIRTY (30) DAYS BEFORE PLACING FILL ON BRIDGE DECK. PLACE FILL USING SMALL LOADER EQUIPMENT WEIGHING 1000 POUNDS MAXIMUM.

    REFER TO SUPPLEMENTAL TECHNICAL SPECIFICATION 1012 FOR DETAILS AND LIMITATIONS ON APPLYING WATER TO THE PLANTING SECTION. WATERING SCHEDULE IMMEDIATELY AFTER COMPLETION OF THE BRIDGE MAY BE ADJUSTED BY THE PROJECT ENGINEER.

18. BRIDGE APPROACHES BACKFILL: REFER TO ROADWAY PLANS FOR DETAILS.

DESIGN DATA

DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH (2002) EDITION.

DESIGN STRESSES:

SUPERSTRUCTURE REINFORCED CONCRETE:	f'c = 5500 PSI (28 DAYS)
SUBSTRUCTURE REINFORCED CONCRETE:	f'c = 3000 PSI (28 DAYS)
REINFORCING STEEL:	fy = 60000 PSI
PRESTRESSED CONCRETE:	SEE "PRESTRESSING NOTES, SHEET 9-13
LIGHTWEIGHT FILL:	40 PCF
LIVE LOAD:	85 PSF PEDESTRIAN LOAD
STAY-IN-PLACE DECK FORMS:	15 PSF
WIND VELOCITY:	75 MPH
SEISMIC PERFORMANCE CATEGORY (SPC):	B

GEOTECHNICAL INVESTIGATION:
PASEO DEL NORTE EXTENSION PROJECT
(EASTERN BOUNDARY OF PETROGLYPH TO KIMMICK ROAD)
COA PROJECT NO. 705002
BY: KLEINFELDER, INC.
DATE: FEBRUARY 2005

DRILLED SHAFT DATA — SEE TABLE ⚠

SUPPLEMENTAL SPECIFICATIONS

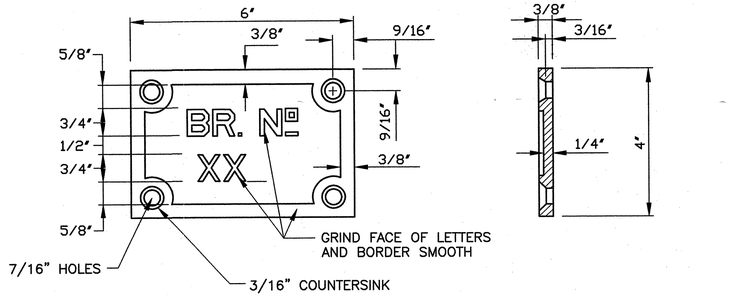
SECTION 555 - STRUCTURE EXCAVATION AND BACKFILL FOR BRIDGES
SECTION 563 - GEOTEXTILES
SECTION 564 - PREFABRICATED COMPOSITE DRAINAGE SYSTEM
SECTION 570 - PRESTRESSED POST-TENSIONED CONCRETE STRUCTURES
SECTION 571 - NON-SHRINK GROUT FOR POST-TENSIONED BRIDGE MEMBERS
SECTION 572 - FALSEWORK FOR CAST-IN-PLACE BRIDGE CONSTRUCTION
SECTION 573 - SUPERSTRUCTURE CONCRETE
SECTION 590 - PENETRATING WATER REPELLENT TREATMENT
SECTION 592 - PERMANENT ANT-GRAFFITI PROTECTIVE COATING
SECTION 1012 - NATIVE GRASS SEEDING

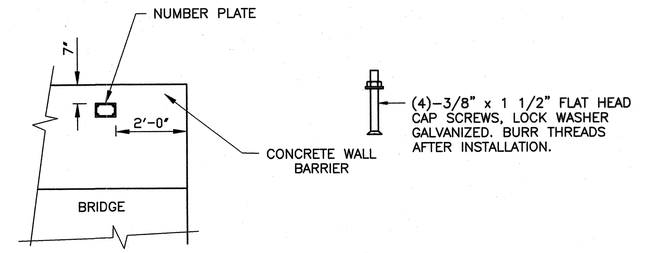
(SEE SUPPLEMENTAL TECHNICAL SPECIFICATIONS IN CONTRACT DOCUMENTS)

INCIDENTAL ITEMS

1. PERMANENT ANTI-GRAFFITI PROTECTIVE COATING
2. PREFORMED BITUMINOUS JOINT FILLER (M213)
3. BRIDGE NUMBER PLATES
4. ELASTOMERIC BEARING PADS
5. STRUCTURAL STEEL
6. ABUTMENT WATERPROOFING SYSTEM
7. PREFABRICATED COMPOSITE DRAINAGE SYSTEM
8. GALVANIZED SHEET METAL, 16 GA.
9. GALVANIZED SHEET METAL, 14 GA.
10. WATERSTOP AND ITS APPURTENANCES
11. ARTISTIC FORM REVEAL FEATURE
12. VERTICAL CLEARANCE SIGN AND ATTACHMENTS
13. PENETRATING WATER REPELLENT TREATMENT
14. BARRIER BEARING PLATE AND HARDWARE FOR ARTISTIC PEDESTRIAN FENCE ⚠
15. INSERTS FOR CROW SITES

NOTE:
ITEMS LISTED ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS, AND MAY NOT BE COMPLETE. THIS LIST DOES NOT INCLUDE INCIDENTAL WORK OR MATERIALS REQUIRED BY STANDARD DRAWINGS, SUPPLEMENTAL TECHNICAL SPECIFICATIONS OR THE STANDARD SPECIFICATIONS.





PARTIAL ELEVATION

NOTES:

TWO PLATES WITH BOLTS REQUIRED FOR EACH BRIDGE. MATERIAL EQUALS CAST IRON, RAISED BLOCK LETTER OF NEAT SQUARE CUT DESIGN, GRIND FACE, & HOT DIPPED GALV.

EACH PLATE IS TO BE PLACED AT EACH END OF THE BRIDGE ON THE INSIDE FACE OF THE CONCRETE BARRIER RAILING AT THE END OF THE DECK. LOCATE ON RIGHT SIDE AS ONE APPROACHES BRIDGE.

BRIDGE NUMBER PLATE DETAILS

ESTIMATED QUANTITIES

ITEM NO.	ITEM	UNIT	SUPER-STRUCTURE	SUBSTRUCTURE		TOTAL
				ABUT. NO. 1	ABUT. NO. 2	
102.010	REINFORCING BARS, GRADE 60	LB	20643	27656	27393	75692
103.01	EPOXY COATED REINFORCING BARS, GRADE 60	LB	42473	1126	1562	45161
510.01	SUPERSTRUCTURE CONCRETE	CY	393			393
510.02	SUBSTRUCTURE CONCRETE CLASS A	CY		211	208	419
510.03	CONCRETE BARRIER	LF	297.5			297.5
555.01	BRIDGE EXCAVATION AND BACKFILL	CY		0.0	0.0	0.0
562.01	DRILLED SHAFTS, 42" DIAMETER	LF		320.0	320.0	640.0
570.01	PRESTRESSING	LS	1.0			1.0
1012.05	LIGHTWEIGHT FILL PLANTING SECTION	CY	258.0			258.0

⚠ ⚠

DRILLED SHAFT SUMMARY TABLE

SUBSTRUCTURE	DIA. (IN.)	NO.	EST. PENETRATION ELEV. (FT.)	LENGTH OF SHAFTS (FT.)	DESIGN BEARING LOAD (k)
ABUTMENT 1	42	8	VARIES - SEE SHEETS 9-9 & 9-10	40	287
ABUTMENT 2	42	8		40	287

⚠

AS-BUILT INFORMATION
CONTRACTOR: Salk Bros. DATE 1/08
SURVEYED & STAKED BY: Survtek DATE
INSPECTOR'S ACCEPTANCE BY: DATE
FIELD VERIFICATION BY: DATE
DRAWINGS CORRECTED BY: Wilson + Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.
ELEVATION =

BENCH MARKS
THE STA. IS A 3" ALUMINUM CAP STAMPED 'ACS 1-C11 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REVISIONS	BY
1	JULY '06	DIMENSIONAL REVISION	CRH
2	MAY '06	BRIDGE REDESIGN	CRH

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SPP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
GENERAL NOTES & ESTIMATED QUANITIES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 9-1 Of

WILSON & COMPANY

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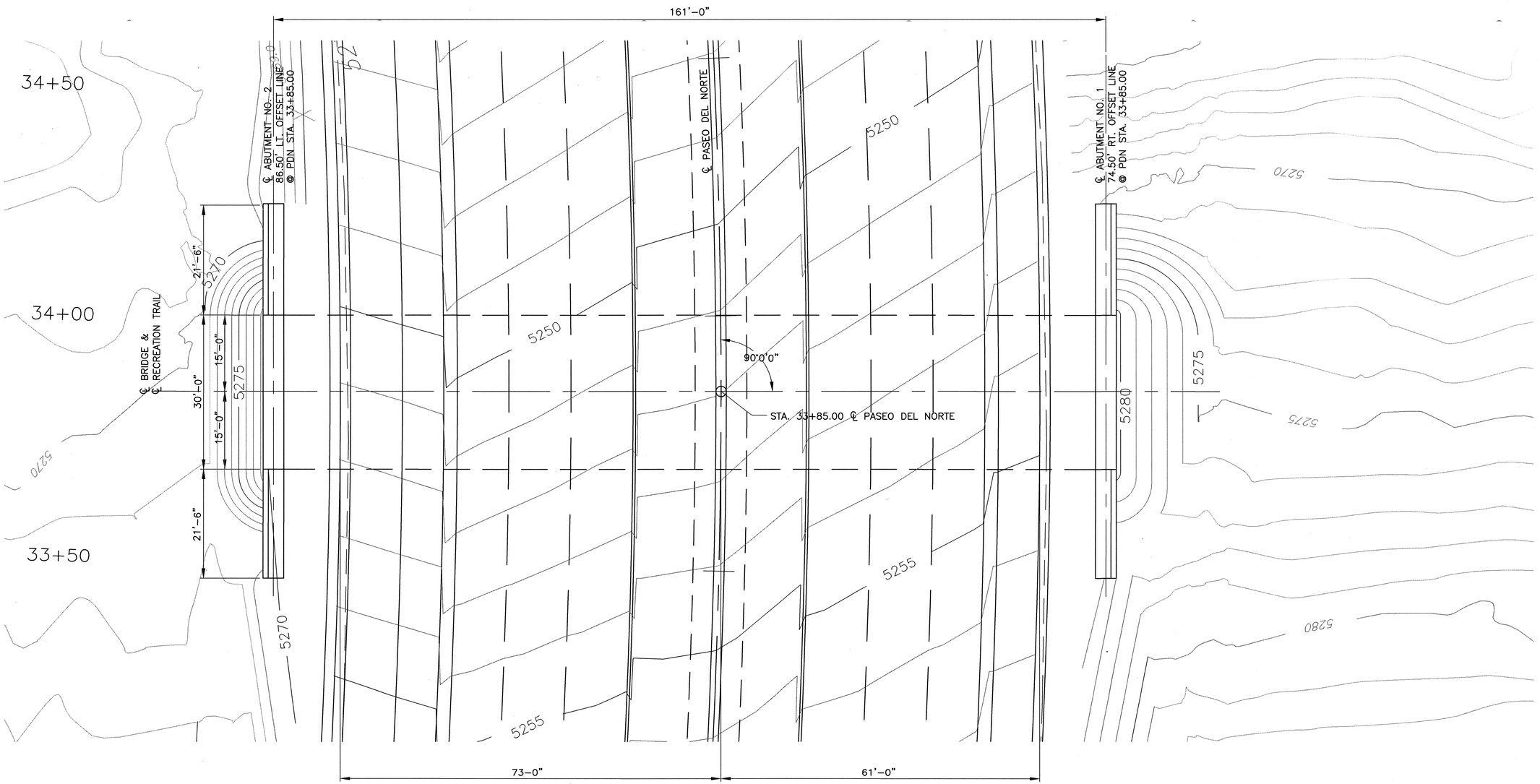

PLAN
SCALE 1":10'

SEE REV. SHT.

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED 'ACS 1-C11 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION

CONTRACTOR: Salls Bros. DATE 1/08
WORK STAKED BY: Surv Tek DATE
WORK ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY: Wilson Co. DATE 1/08
RECORDED BY DATE
NO.

ENGINEER'S SEAL

GARY W. KINCHEN
NEW MEXICO
14366
REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS
		REVISIONS
		BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DATE OCT 13, 2004

DESIGNED BY	GWK	DATE	2004
DRAWN BY	CRH	DATE	2004
CHECKED BY	SFP	DATE	2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
STRUCTURAL LOCATION PLAN

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER

Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 9-2 Of

WILSON & COMPANY

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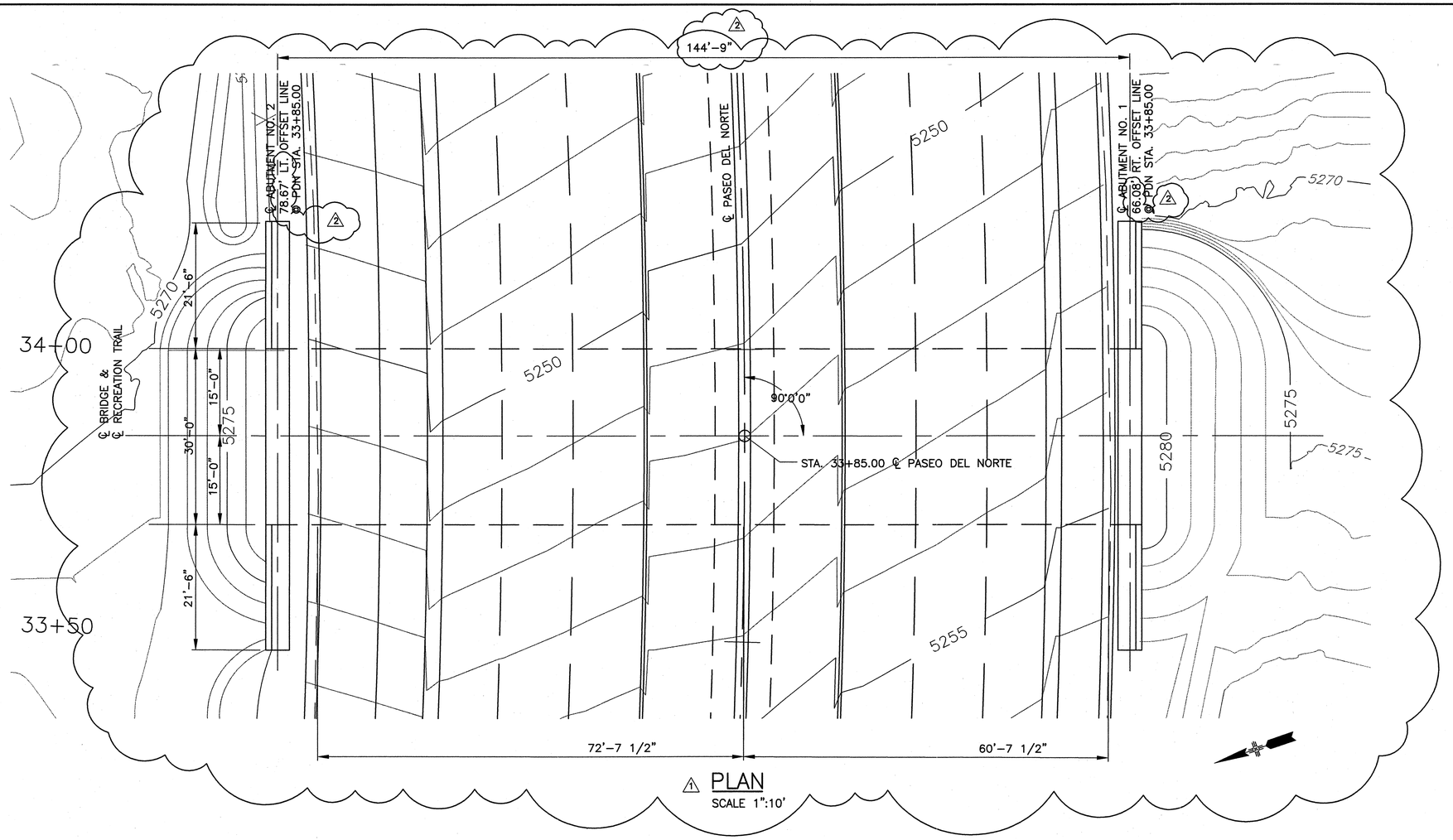
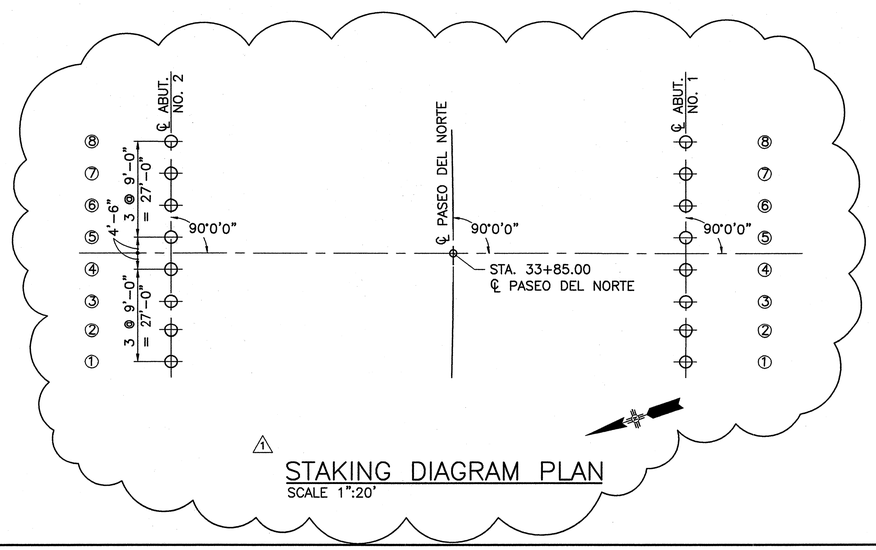


1 PLAN
SCALE 1":10'



1 STAKING DIAGRAM PLAN
SCALE 1":20'

	DRILLED SHAFT NO.	STATION	OFFSET
ABUTMENT NO. 1	1	33+54.82	66.98
	2	33+63.44	66.83
	3	33+72.06	66.72
	4	33+80.69	66.67
	5	33+89.31	66.67
	6	33+97.94	66.72
	7	34+06.56	66.83
	8	34+15.18	66.98
ABUTMENT NO. 2	1	33+51.80	77.73
	2	33+61.28	77.91
	3	33+70.77	78.02
	4	33+80.26	78.08
	5	33+89.74	78.08
	6	33+99.23	78.02
	7	34+08.72	77.91
	8	34+18.20	77.73

1 DRILLED SHAFT STATIONS AND OFFSETS

ENGINEER'S SEAL

GARY W. KINCHEN
NEW MEXICO
14368
REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED 'ACS 1-C11 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT.
ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION

CONTRACTOR Sais Bros. SURVEY
WORKED BY DATE 1/08
INSPECTOR'S DATE
FIELD CHANGES BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY Wilson & Co DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

NO.	DATE	REMARKS	BY
2	JULY '06	DIMENSIONAL REVISION	CRH
1	MAY '06	BRIDGE REDESIGN	CRH

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
STRUCTURAL LOCATION PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 9-2 Of

WILSON & COMPANY

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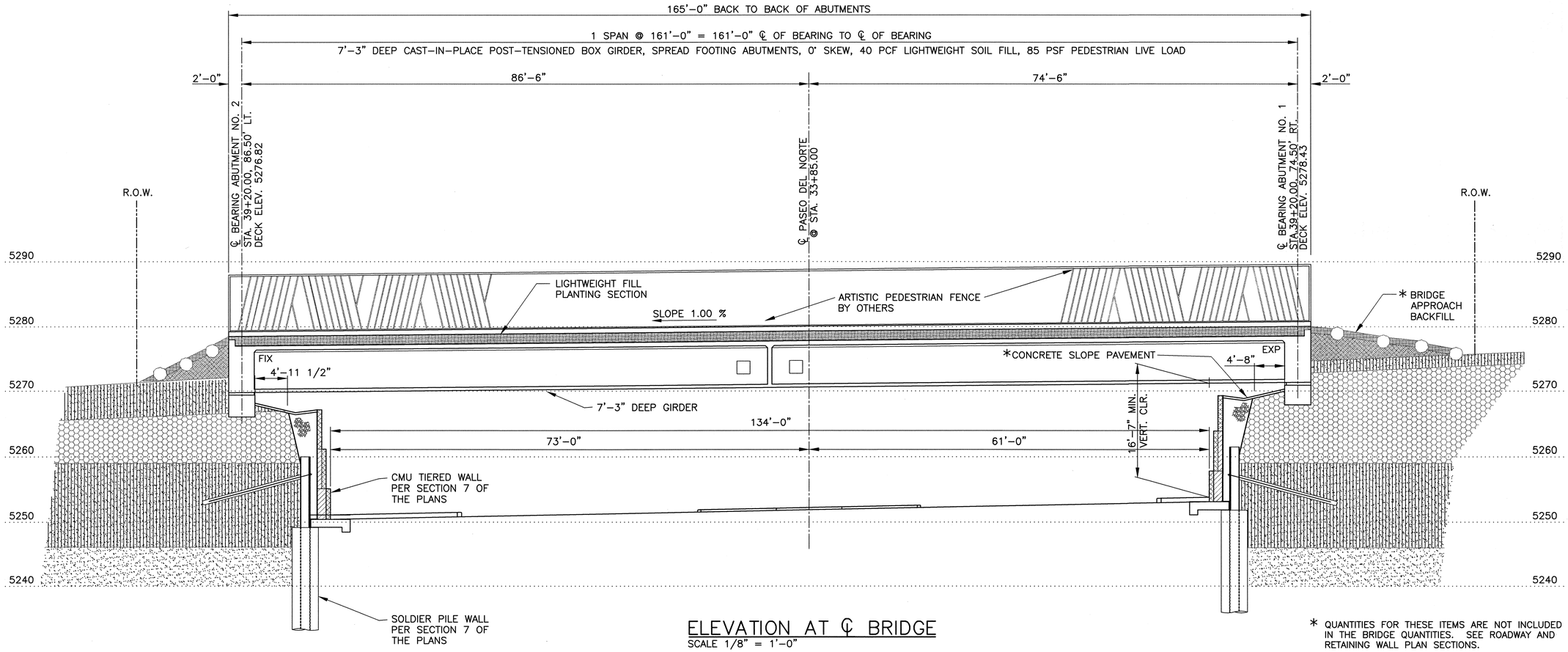

ELEVATION AT ℄ BRIDGE

SCALE 1/8" = 1'-0"

* QUANTITIES FOR THESE ITEMS ARE NOT INCLUDED IN THE BRIDGE QUANTITIES. SEE ROADWAY AND RETAINING WALL PLAN SECTIONS.

SEE REV. SHT.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED 'ACS 1-C11' LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION

CONTRACTOR Salis Bros DATE 1/08
WORK STAKED BY Surv-Tek DATE
INSPECTOR'S CHANGES DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson+Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

GARY W. KINCHEN
NEW MEXICO
14366
REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS
		REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

	BY	DATE
DESIGNED BY	GWK	OCT 13, 2004
DRAWN BY	CRH	2004
CHECKED BY	SFP	2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
STRUCTURAL LOCATION PROFILE

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER

Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	9-3	

WILSON & COMPANY

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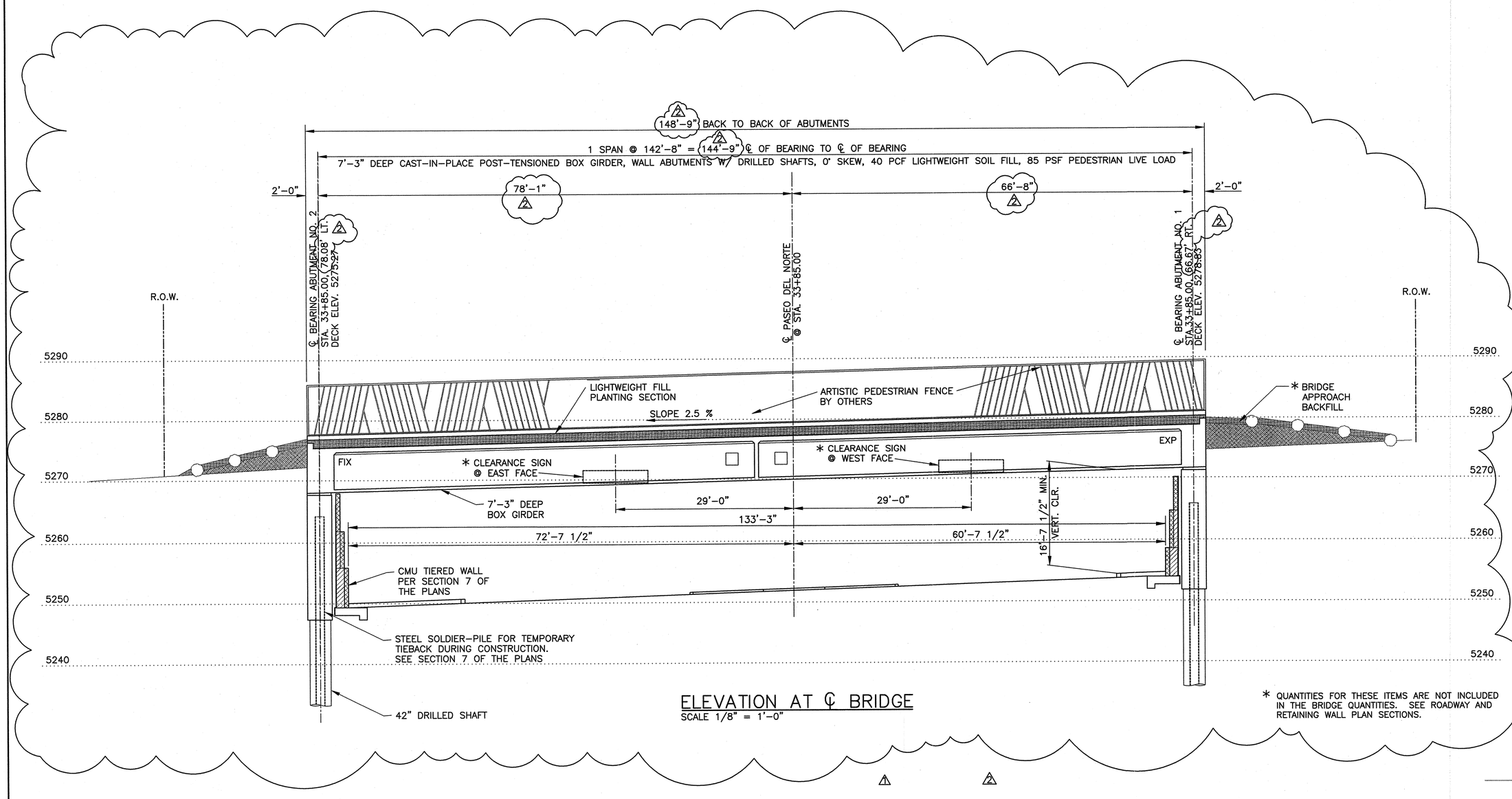


ELEVATION AT ℄ BRIDGE

SCALE 1/8" = 1'-0"

* QUANTITIES FOR THESE ITEMS ARE NOT INCLUDED IN THE BRIDGE QUANTITIES. SEE ROADWAY AND RETAINING WALL PLAN SECTIONS.

AS-BUILT INFORMATION
CONTRACTOR: Salls Bros. DATE: 1/08
INSPECTOR'S SIGNATURE STAKED BY: Sunrise DATE
FIELD VERIFICATIONS BY: DATE
CORRECTED BY: Wilson & Co. DATE: 1/08
RECORDED BY: DATE
NO.

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14368 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

REVISIONS

NO.	DATE	REMARKS	BY
2	JULY '06	DIMENSIONAL REVISION	CRH
1	MAY '06	BRIDGE REDESIGN	CRH

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY CWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
STRUCTURAL LOCATION PROFILE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	9-3	

WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 9- LAND B\Sht 9-3 - bridge profile-section.dwg 8/24/2006 9:16:15 AM MST

KLEINFELDER — Boring Log — Sheet 1 of 2

Date	Project Number	Project	Boring No.
Started: 10/7/2004	50001	Paseo del Norte Extension	B-3
Completed: 10/7/2004			
Backfilled: 10/7/2004	Rig Type: CME-75	Surface Elevation:5274.0'	Logged By: C. Bhongir
Northing:	Easting:	Location: 33+75, 68' S. of centerline	

Groundwater: Depth (ft) none; Hour; Date 10/7/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3 " O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Groundwater Depth (ft.) / Depth (ft.)	Graphical Log	Sample Taken	Sample Type	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve
			SPT	26					
			CS		0.3	132.4			
			CS		0.2	123.9			
			SPT	33					
			SPT	35	7.3				20
			SPT	25					

Visual Classification

0 — SILTY SAND (SM) - light brown, moist, medium dense, fine grained sand, poorly graded. 1.4' El. 5272.7'

BASALT - light gray, slightly weathered, very hard to extremely hard, massive, tight, highly fractured to moderately fractured joints, rough, vesicular, with iron oxide staining along pockets.

Without iron oxide staining.

15.0' El. 5259.0'

SILTY SAND (SM) - gray brown, dry, dense, fine grained sand, poorly graded, weakly to moderately cemented.

Uncemented.

28.0' El. 5246.0'

Kleinfelder Inc., Copyright 10/29/2004

KLEINFELDER — Coring Log — Sheet 1 of 2

Date	Project Number	Project	Boring No.
Started: 10/7/2004	50001	Paseo del Norte Extension	B-3
Completed: 10/7/2004			
Backfilled: 10/7/2004	Rig Type: CME-75	Surface Elevation:5274.0'	Logged By: C. Bhongir
Northing:	Easting:	Location: 33+75, 68' S. of centerline	

Groundwater: Depth (ft) none; Hour; Date 10/7/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3 " O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Groundwater Depth (ft.) / Depth (ft.)	Graphical Log	Sample No.	Sample Type	Minutes per foot	% Recovery	RQD	Fractures per Foot	Weathering	Strength
		R-2	Core	1.8	96.7	78.3	2@0°		VH - XH
		R-3	Core	1.2	100.0	75.0	3@0°		VH - XH
		R-4	Core	1.8	64.3	42.9	1@0°		VH - XH
		R-1	Core	4	86.8	71.2	2@0°	SL	H - VH
		R-2	Core	5	77.8	38.9	5@0°	SL	H - VH

Visual Classification

0 — SILTY SAND (SM) - light brown, moist, medium dense, fine grained sand, poorly graded. 1.4' El. 5272.7'

BASALT - light gray, slightly weathered, very hard to extremely hard, massive, tight, highly fractured to moderately fractured joints, rough, vesicular, with iron oxide staining along pockets.

Without iron oxide staining.

15.0' El. 5259.0'

SILTY SAND (SM) - gray brown, dry, dense, fine grained sand, poorly graded, weakly to moderately cemented.

Uncemented.

28.0' El. 5246.0'

Kleinfelder Inc., Copyright 10/29/2004

KLEINFELDER — Boring Log — Sheet 1 of 1

Date	Project Number	Project	Boring No.
Started: 10/5/2004	50001	Paseo del Norte Extension	B-4
Completed: 10/5/2004			
Backfilled: 10/5/2004	Rig Type: CME-75	Surface Elevation:5271.8'	Logged By: J. Laird
Northing:	Easting:	Location: 33+75, 77' N. of centerline	

Groundwater: Depth (ft) none; Hour; Date 10/5/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3 " O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Groundwater Depth (ft.) / Depth (ft.)	Graphical Log	Sample Taken	Sample Type	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve
			SPT	12					
			SPT	50/3"					
			CS		0.1	115.3			
			CS		0.1	130.1			
			CS		9.2	197.9			

Visual Classification

0 — SAND (SP) - brown, moist to dry, medium dense, fine to medium grained sand, trace silt, some gravel 0-1 ft. El. 5267.8'

SILTY SAND (SM) - light brown, dry, fine grained sand, some gravel. 5.1' El. 5266.7'

BASALT - gray, slightly weathered, hard to very hard, massive, moderately fractured to highly fractured, moderately open to open joints, rough, vesicular, with light brown silt infilling.

Total Depth 11.5' El. 5260.3'

KLEINFELDER — Coring Log — Sheet 1 of 1

Date	Project Number	Project	Boring No.
Started: 10/5/2004	50001	Paseo del Norte Extension	B-4
Completed: 10/5/2004			
Backfilled: 10/5/2004	Rig Type: CME-75	Surface Elevation:5271.8'	Logged By: J. Laird
Northing:	Easting:	Location: 33+75, 77' N. of centerline	

Groundwater: Depth (ft) none; Hour; Date 10/5/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3 " O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Groundwater Depth (ft.) / Depth (ft.)	Graphical Log	Sample No.	Sample Type	Minutes per foot	% Recovery	RQD	Fractures per Foot	Weathering	Strength
		R-1	Core	4	86.8	71.2	2@0°	SL	H - VH
		R-2	Core	5	77.8	38.9	5@0°	SL	H - VH

Visual Classification

0 — SAND (SP) - brown, moist to dry, medium dense, fine to medium grained sand, trace silt, some gravel 0-1 ft. 4.0' El. 5267.8'

SILTY SAND (SM) - light brown, dry, fine grained sand, some gravel. 5.1' El. 5266.7'

BASALT - gray, slightly weathered, hard to very hard, massive, moderately fractured to highly fractured, moderately open to open joints, rough, vesicular, with light brown silt infilling.

Total Depth 11.5' El. 5260.3'

KLEINFELDER — Boring Log — Sheet 2 of 2

Date	Project Number	Project	Boring No.
Started: 10/7/2004	50001	Paseo del Norte Extension	B-3
Completed: 10/7/2004			
Backfilled: 10/7/2004	Rig Type: CME-75	Surface Elevation:5274.0'	Logged By: C. Bhongir
Northing:	Easting:	Location: 33+75, 68' S. of centerline	

Groundwater: Depth (ft) none; Hour; Date 10/7/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3 " O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Groundwater Depth (ft.) / Depth (ft.)	Graphical Log	Sample Taken	Sample Type	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve
			SPT	50/5"					
			SPT	36					
			SPT	29					
			SPT	33					

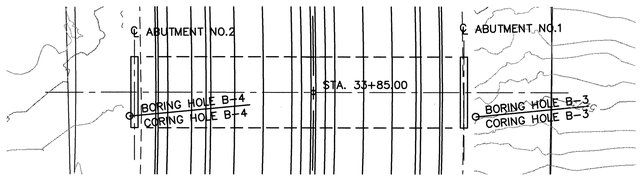
Visual Classification

30 — GRAVELLY SAND (SP) - light brown, moist, very dense, fine grained sand, poorly graded. 36.0' El. 5238.0'

BASALT - light gray, slightly weathered, very hard to extremely hard, massive, tight, highly fractured to moderately fractured joints, rough, vesicular. 40.0' El. 5234.0'

SILTY SAND (SM) - light brown, dry, medium dense, fine grained sand, poorly graded. 46.5' El. 5227.5'

Total Depth 46.5'



BORING HOLE LOCATION PLAN
SCALE 1:30

SEE REV. SHT

AS-BUILT INFORMATION
CONTRACTOR Sais Bros. DATE 1/08
WORK STAKED BY Survtek DATE 1/08
INSPECTOR'S INITIALS DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co. DATE 1/08
RECORDED BY MICRO-FILM INFORMATION DATE
NO.

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO RIDGEWAY DR., NORTENA, TURN W-N.W. & GO 0.1 MI. TO THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
FOUNDATION DATA

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 9-4 Of

WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 9- LAND B\Sht 9-4 - foundation data.dwg 2/23/2005 4:00:06 PM MST

KLEINFELDER — Boring Log — Sheet 1 of 2

Date		Project Number	Project	Boring No.
Started: 10/7/2004		50001	Paseo del Norte Extension	B-3
Completed: 10/7/2004				
Backfilled: 10/7/2004	Rig Type: CME-75	Surface Elevation:5274.0'	Logged By: C. Bhongir	
Northing:	Easting:	Location: 33+75, 68' S. of centerline		

Groundwater

Depth (ft)	Hour	Date
none		10/7/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3" O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Groundwater Depth (ft.) / Depth (ft.)	Graphical Log	Sample Tube	Sample Type	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve	Visual Classification
0										SILTY SAND (SM) - light brown, moist, medium dense, fine grained sand, poorly graded.
1.6										El. 5272.7
										BASALT - light gray, slightly weathered, very hard to extremely hard, massive, tight, highly fractured to moderately fractured joints, rough, vesicular, with iron oxide staining along pockets.
5			SPT	26						
			CS	0.3	132.4					
			CS	0.2	123.9					Without iron oxide staining.
15										
15.0										El. 5259.0
			SPT	33						SILTY SAND (SM) - gray brown, dry, dense, fine grained sand, poorly graded, weakly to moderately cemented.
20			SPT	35	7.3				20	
25			SPT	25						Uncemented.
28.0										El. 5246.0

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KLEINFELDER — Coring Log — Sheet 1 of 2

Date		Project Number	Project	Boring No.
Started: 10/7/2004		50001	Paseo del Norte Extension	B-3
Completed: 10/7/2004				
Backfilled: 10/7/2004	Rig Type: CME-75	Surface Elevation:5274.0'	Logged By: C. Bhongir	
Northing:	Easting:	Location: 33+75, 68' S. of centerline		

Groundwater

Depth (ft)	Hour	Date
none		10/7/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3" O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Groundwater Depth (ft.) / Depth (ft.)	Graphical Log	Sample No.	Sample Type	Minutes per foot	% Recovery	RQD	Fractures per Foot	Weathering	Strength	Visual Classification
0										SILTY SAND (SM) - light brown, moist, medium dense, fine grained sand, poorly graded.
1.4										El. 5272.7
										BASALT - light gray, slightly weathered, very hard to extremely hard, massive, tight, highly fractured to moderately fractured joints, rough, vesicular, with iron oxide staining along pockets.
5										
		R-2	Core	1.8	96.7	78.3	3@0°		VH - XH	
10										Without iron oxide staining.
		R-3	Core	1.2	100.0	75.0	3@0°		VH - XH	
		R-4	Core	1.8	64.3	42.9	1@0°		VH - XH	
15.0										El. 5259.0'
										SILTY SAND (SM) - gray brown, dry, dense, fine grained sand, poorly graded, weakly to moderately cemented.
25										Uncemented.
28.0										El. 5246.0'

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KLEINFELDER — Boring Log — Sheet 1 of 1

Date		Project Number	Project	Boring No.
Started: 10/5/2004		50001	Paseo del Norte Extension	B-4
Completed: 10/5/2004				
Backfilled: 10/5/2004	Rig Type: CME-75	Surface Elevation:5271.8'	Logged By: J. Laird	
Northing:	Easting:	Location: 33+75, 77' N. of centerline		

Groundwater

Depth (ft)	Hour	Date
none		10/5/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3" O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Groundwater Depth (ft.) / Depth (ft.)	Graphical Log	Sample Tube	Sample Type	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve	Visual Classification
0										SAND (SP) - brown, moist to dry, medium dense, fine to medium grained sand, trace silt, some gravel 0-1 ft.
			SPT	12						
4.0										El. 5267.8'
5										SILTY SAND (SM) - light brown, dry, fine grained sand, some gravel.
5.1										El. 5266.7'
			SPT	30/3"						BASALT - gray, slightly weathered, hard to very hard, massive, moderately fractured to highly fractured, moderately open to open joints, rough, vesicular, with light brown silt infilling.
			CS	0.1	115.3					
			CS	0.1	130.1					
10			CS	9.2	197.9					
11.5'										El. 5260.3'

Total Depth 11.5'

KLEINFELDER — Coring Log — Sheet 1 of 1

Date		Project Number	Project	Boring No.
Started: 10/5/2004		50001	Paseo del Norte Extension	B-4
Completed: 10/5/2004				
Backfilled: 10/5/2004	Rig Type: CME-75	Surface Elevation:5271.8'	Logged By: J. Laird	
Northing:	Easting:	Location: 33+75, 77' N. of centerline		

Groundwater

Depth (ft)	Hour	Date
none		10/5/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3" O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Groundwater Depth (ft.) / Depth (ft.)	Graphical Log	Sample No.	Sample Type	Minutes per foot	% Recovery	RQD	Fractures per Foot	Weathering	Strength	Visual Classification
0										SAND (SP) - brown, moist to dry, medium dense, fine to medium grained sand, trace silt, some gravel 0-1 ft.
4.0										El. 5267.8'
5										SILTY SAND (SM) - light brown, dry, fine grained sand, some gravel.
5.1										El. 5266.7'
		R-1	Core	4	86.8	71.2	2@0°	SL	H - VH	BASALT - gray, slightly weathered, hard to very hard, massive, moderately fractured to highly fractured, moderately open to open joints, rough, vesicular, with light brown silt infilling.
10		R-2	Core	5	77.8	38.9	5@0°	SL	H - VH	
11.5'										El. 5260.3'

Total Depth 11.5'

KLEINFELDER — Boring Log — Sheet 2 of 2

Date		Project Number	Project	Boring No.
Started: 10/7/2004		50001	Paseo del Norte Extension	B-3
Completed: 10/7/2004				
Backfilled: 10/7/2004	Rig Type: CME-75	Surface Elevation:5274.0'	Logged By: C. Bhongir	
Northing:	Easting:	Location: 33+75, 68' S. of centerline		

Groundwater

Depth (ft)	Hour	Date
none		10/7/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3" O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Groundwater Depth (ft.) / Depth (ft.)	Graphical Log	Sample Tube	Sample Type	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve	Visual Classification
30										GRAVELLY SAND (SP) - light brown, moist, very dense, fine grained sand, poorly graded.
			SPT	50/5"						
36.0										El. 5238.0'
35			SPT	36						BASALT - light gray, slightly weathered, very hard to extremely hard, massive, tight, highly fractured to moderately fractured joints, rough, vesicular.
40.0										El. 5234.0'
40			SPT	29						SILTY SAND (SM) - light brown, dry, medium dense, fine grained sand, poorly graded.
45			SPT	33						
46.5'										El. 5227.5'

Total Depth 46.5'

KLEINFELDER — Coring Log — Sheet 1 of 1

Date		Project Number	Project	Boring No.
Started: 10/5/2004		50001	Paseo del Norte Extension	B-4
Completed: 10/5/2004				
Backfilled: 10/5/2004	Rig Type: CME-75	Surface Elevation:5271.8'	Logged By: J. Laird	
Northing:	Easting:	Location: 33+75, 77' N. of centerline		

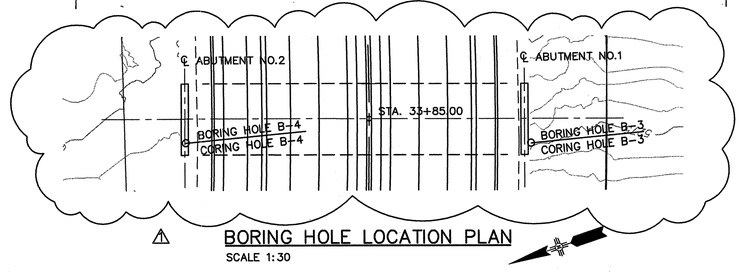
Groundwater

Depth (ft)	Hour	Date
none		10/5/2004

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3" O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Groundwater Depth (ft.) / Depth (ft.)	Graphical Log	Sample No.	Sample Type	Minutes per foot	% Recovery	RQD	Fractures per Foot	Weathering	Strength	Visual Classification
0										SAND (SP) - brown, moist to dry, medium dense, fine to medium grained sand, trace silt, some gravel 0-1 ft.
4.0										El. 5267.8'
5										SILTY SAND (SM) - light brown, dry, fine grained sand, some gravel.
5.1										El. 5266.7'
		R-1	Core	4	86.8	71.2	2@0°	SL	H - VH	BASALT - gray, slightly weathered, hard to very hard, massive, moderately fractured to highly fractured, moderately open to open joints, rough, vesicular, with light brown silt infilling.
10		R-2	Core	5	77.8	38.9	5@0°	SL	H - VH	
11.5'										El. 5260.3'

Total Depth 11.5'



⚠ BORING HOLE LOCATION PLAN

SCALE 1:30

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

AS-BUILT INFORMATION

THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA. FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

CONTRACTOR Salis Bros DATE 1/08

INSPECTOR'S FIELD BOOK NO. SLV 7816 DATE

VERIFICATION BY DATE

COMPUTED BY Wilson+Co DATE 1/08

RECORDED BY DATE

NO.

ENGINEER'S SEAL

GARY W. KINCHEN NEW MEXICO 14368 REGISTERED PROFESSIONAL ENGINEER

DECEMBER 02, 2009

NO.	DATE	REVISIONS	BY
			CRH
1	MAY '06	BRIDGE REDESIGN	BY
		REMARKS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY GWK DATE OCT 13, 2004

DRAWN BY CRH DATE 2004

CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
FOUNDATION DATA

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	9-4	

WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 9- LAND B\Sht 9-4 - foundation data.dwg 8/24/2006 9:18:21 AM MST

KLEINFELDER — Boring Log — Sheet 1 of 3

Date Started	Project Number	Project	Boring No.
3/27/2006	50001	Paseo del Norte Extension - Bridge	BB-1
Date Completed: 3/27/2006	Rig Type: CME 75	Surface Elevation:	Logged By: M. Emms
Backfilled: 3/27/2006	Northing: --	Easting: --	Location: Station 33+85, south abutment

Groundwater: Depth (ft) — None; Hour —; Date 3/27/2006

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3" O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Visual Classification

Depth (ft)	Sample Type	Blow Count	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve
5	SPT	17	10.2					30
10	SPT	30	6.5					25
15	SPT	50						
20	SPT	19						
25	SPT	22	16.4			35	8	

0 — SILTY SAND (SM) - brown, moist to dry, medium dense, fine grained sand, poorly graded, some cementation, some gravel.

15.5' — GRAVELLY SAND (SP) - light brown, moist, very dense, medium grained sand, poorly graded.

19.5' — SAND (SP) - brown, moist, medium dense, fine to medium grained sand, poorly graded, trace silt.

24.0' — SILT (ML) - brown, dry, very stiff to hard, low plasticity, with interbedded clay layers.

Golder Inc./Controlled.cdr/mac

KLEINFELDER — Boring Log — Sheet 2 of 3

Date Started	Project Number	Project	Boring No.
3/27/2006	50001	Paseo del Norte Extension - Bridge	BB-1
Date Completed: 3/27/2006	Rig Type: CME 75	Surface Elevation:	Logged By: M. Emms
Backfilled: 3/27/2006	Northing: --	Easting: --	Location: Station 33+85, south abutment

Groundwater: Depth (ft) — None; Hour —; Date 3/27/2006

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3" O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Visual Classification

Depth (ft)	Sample Type	Blow Count	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve
30	SPT	32	16.6					
35	SPT	42	29.4			42	35	
40	SPT	27	10.0					53
45	SPT	39						
50	SPT	31						
55	SPT	22	33.3			NV	NP	

30 — SILT (ML) - brown, dry, very stiff to hard, low plasticity, with interbedded clay layers.

33.0' — CLAY (CH) - red-brown, moist, hard, high plasticity.

36.0' — SILT (ML) - brown, dry, hard to very stiff, low plasticity, with fine sand, some clay.

52.0' — CLAYEY SAND (SC) - brown, moist to dry, dense, fine grained sand, poorly graded, oxidation stains in clay.

Golder Inc./Controlled.cdr/mac

KLEINFELDER — Boring Log — Sheet 3 of 3

Date Started	Project Number	Project	Boring No.
3/27/2006	50001	Paseo del Norte Extension - Bridge	BB-1
Date Completed: 3/27/2006	Rig Type: CME 75	Surface Elevation:	Logged By: M. Emms
Backfilled: 3/27/2006	Northing: --	Easting: --	Location: Station 33+85, south abutment

Groundwater: Depth (ft) — None; Hour —; Date 3/27/2006

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3" O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Visual Classification

Depth (ft)	Sample Type	Blow Count	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve
60	SPT	71						
65	SPT	50/5"						
70	SPT	50/5"						

60 — CLAYEY SAND (SC) - brown, moist to dry, dense, fine grained sand, poorly graded, oxidation stains in clay.

61.0' — GRAVELLY SAND (SP) - brown, moist to dry, very dense, fine to medium grained sand.

70.9' — Total Depth 70.9'

KLEINFELDER — Boring Log — Sheet 1 of 3

Date Started	Project Number	Project	Boring No.
3/27/2006	50001	Paseo del Norte Extension - Bridge	BB-2
Date Completed: 3/27/2006	Rig Type: CME 75	Surface Elevation:	Logged By: M. Emms
Backfilled: 3/27/2006	Northing: --	Easting: --	Location: Station 33+85, north abutment

Groundwater: Depth (ft) — None; Hour —; Date 3/27/2006

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3" O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Visual Classification

Depth (ft)	Sample Type	Blow Count	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve
5	SPT	18	9.8					28
10	SPT	21	15.6					36
15	SPT	18						
20	SPT	27	28.6			42	19	
25	SPT	25	2.3					8

0 — SILTY SAND (SM) - yellow-brown, dry, medium dense, fine grained sand, poorly graded, weakly cemented.

8.0' — SANDY SILT (ML) - brown, dry, very stiff, low plasticity, fine grained sand.

15.0' — GRAVELLY SAND (SP) - brown, dry, medium dense, fine to medium grained sand, poorly graded.

19.0' — CLAY (CL) - brown, dry, very stiff, low plasticity, some fine sand.

22.0' — SAND WITH SILT (SP-SM) - brown, dry, medium dense, fine to medium grained sand, poorly graded.

28.0' — SILT (ML) - brown, dry, very stiff, non plastic.

Golder Inc./Controlled.cdr/mac

KLEINFELDER — Boring Log — Sheet 2 of 3

Date Started	Project Number	Project	Boring No.
3/27/2006	50001	Paseo del Norte Extension - Bridge	BB-2
Date Completed: 3/27/2006	Rig Type: CME 75	Surface Elevation:	Logged By: M. Emms
Backfilled: 3/27/2006	Northing: --	Easting: --	Location: Station 33+85, north abutment

Groundwater: Depth (ft) — None; Hour —; Date 3/27/2006

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3" O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

Visual Classification

Depth (ft)	Sample Type	Blow Count	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve
30	SPT	27	9.6			NV	NP	
35	SPT	21	31.6			44	17	
40	SPT	25	11.9					43
45	SPT	30						
50	SPT	25						
55	SPT	36						

30 — SILT (ML) - brown, dry, very stiff, non plastic.

34.0' — CLAY (CL) - red-brown, moist, very stiff, low plasticity.

36.0' — SILTY SAND (SM) - brown, dry, medium dense, fine grained sand, poorly graded.

Golder Inc./Controlled.cdr/mac

KLEINFELDER — Boring Log — Sheet 3 of 3

Date Started	Project Number	Project	Boring No.
3/27/2006	50001	Paseo del Norte Extension - Bridge	BB-2
Date Completed: 3/27/2006	Rig Type: CME 75	Surface Elevation:	Logged By: M. Emms
Backfilled: 3/27/2006	Northing: --	Easting: --	Location: Station 33+85, north abutment

Groundwater: Depth (ft) — None; Hour —; Date 3/27/2006

Sample Type: G - Grab Sample; CS - 3.5" I.D. Continuous Sampler; SPT - 2" O.D. 1.38" I.D. Tube Sample; U - 3" O.D. 2.42" I.D. Ring Sample; ST - 3" O.D. Thin-Walled Shelby Tube; NR - No Recovery

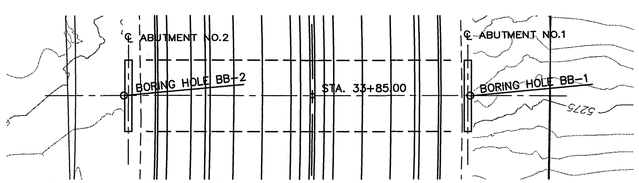
Visual Classification

Depth (ft)	Sample Type	Blow Count	Penetration Resistance (Blows per foot)	Moisture Content (%)	Dry Density (pcf)	Liquid Limit	Plasticity Index	Percent Passing No. 200 Sieve
60	SPT	27	21.0			70	42	
65	SPT	85						
70	SPT	50/5"						

58.0' — CLAY (CH) - olive-brown, dry, very stiff, high plasticity, some fine sand, oxidation spots in sample.

61.0' — SAND (SP) - light brown, dry, very dense, fine to medium grained sand, poorly graded, with gravel.

70.9' — Total Depth 70.9'



BORING HOLE LOCATION PLAN
SCALE 1:30

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED 'ACS 1-C11' LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA. FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION
CONTRACTOR Soils Bros DATE 1/08
WORK INSPECTED BY Surveyor DATE
INSPECTOR'S ASSISTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY Wilson & Co DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
GARY W. KINCHEN — NEW MEXICO — 14368 — REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GMK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

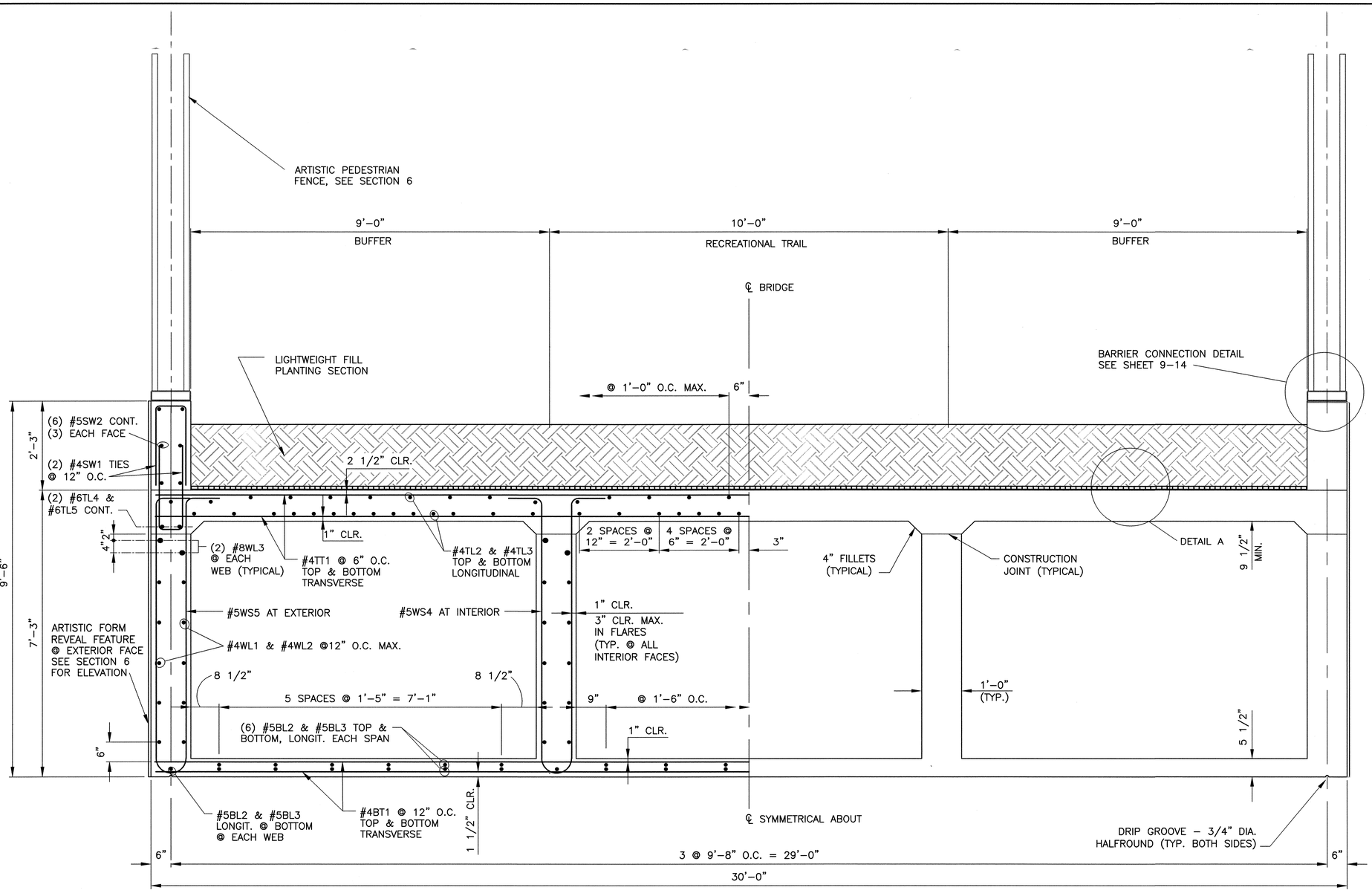
PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
FOUNDATION DATA

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	9-4A	

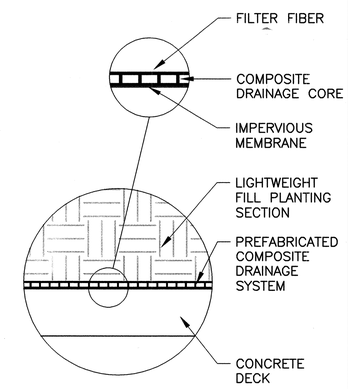
WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 9- LAND B\Sht 9-4A - foundation data.dwg 8/24/2006 9:21:16 AM MST



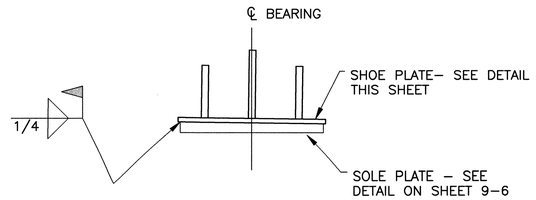
TYPICAL BRIDGE SECTION

SCALE 3/4" = 1'–0"



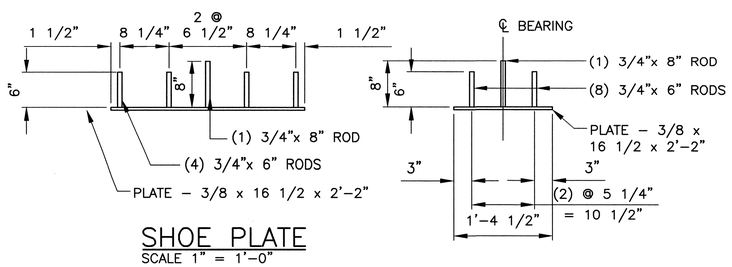
DETAIL A

NOT TO SCALE



SHOE/SOLE PLATE WELDMENT DETAIL

SCALE 1 1/2" = 1'–0"



SHOE PLATE

SCALE 1" = 1'–0"

AS-BUILT INFORMATION

CONTRACTOR Sealy Bros. DATE 1/08
WORK STAKED BY Survtel DATE
AS-BUILTS BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co. DATE 1/08
RECORDED BY MICRO-FILM INFORMATION DATE

BENCH MARKS

THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED 'ACS 1-C11' 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR. THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

REVISIONS

NO.	DATE	REMARKS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS DATE OCT 13, 2004

DESIGNED BY GWK DATE 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

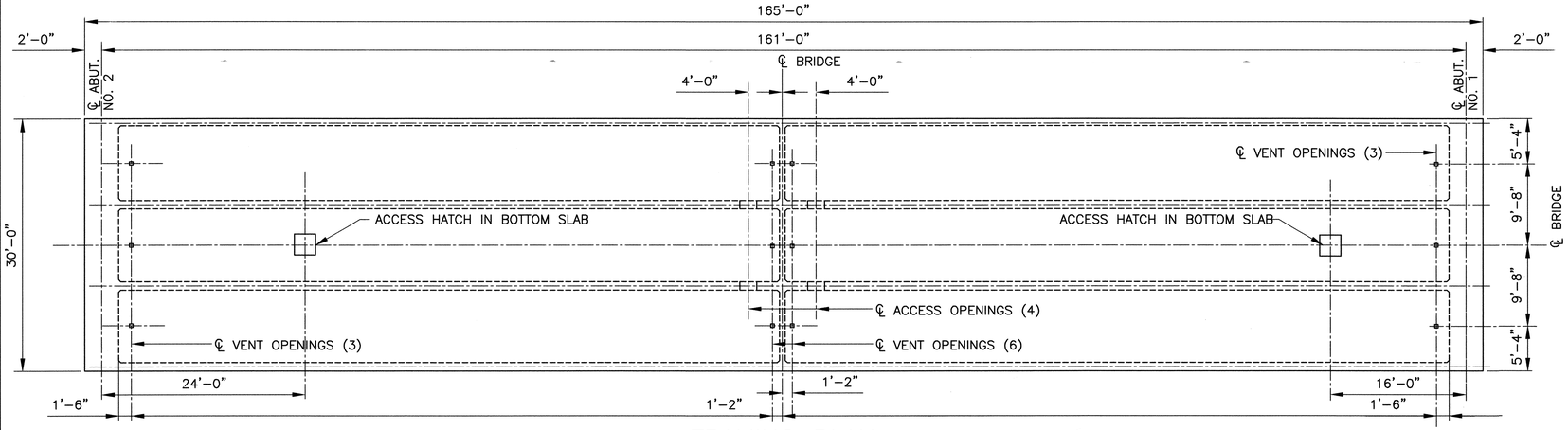
PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
TYPICAL SECTION

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.
Mo./Day/Yr.

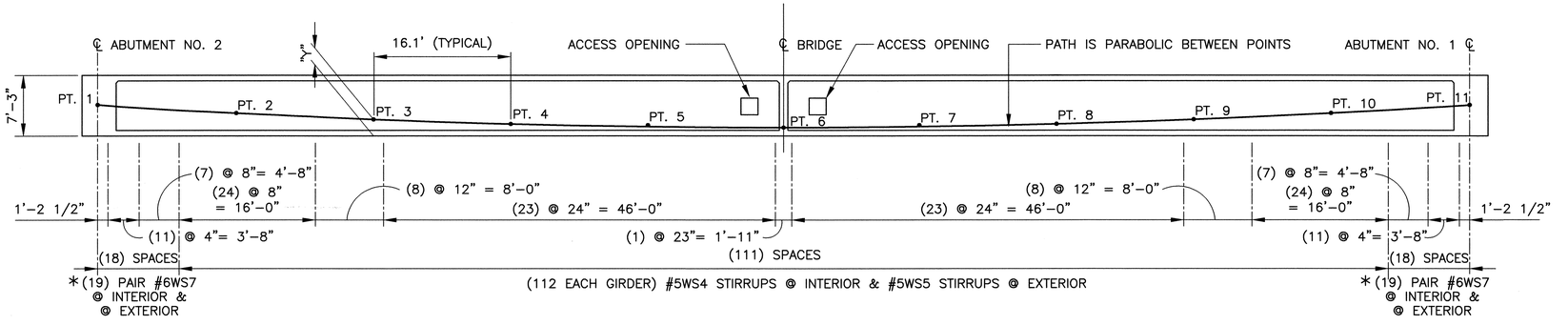
City Project No. COA 705002 | Zone Map No. C-11 | Sheet 9–5 Of

WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 9- LAND B\Sht 9-5 - bridge x-section.dwg 2/23/2005 4:00:59 PM MST



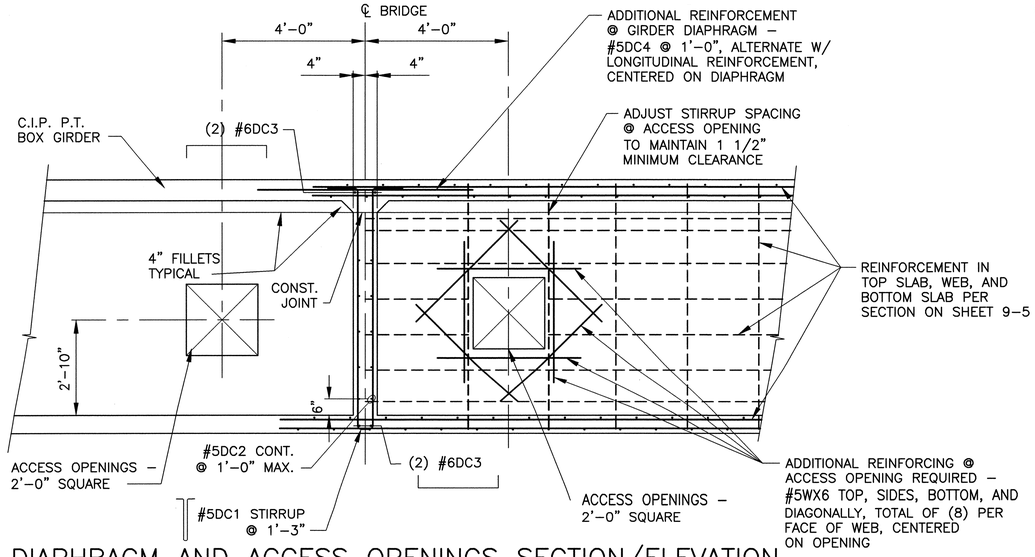
FRAMING PLAN
SCALE 1/8" = 1'-0"



LONGITUDINAL SECTION
SCALE 1/8" = 1'-0"

PT. X = POINTS ALONG PARABOLIC PATH, SEE "Y" VALUES TABLE THIS SHEET FOR DISTANCE FROM BOTTOM TO POINTS.

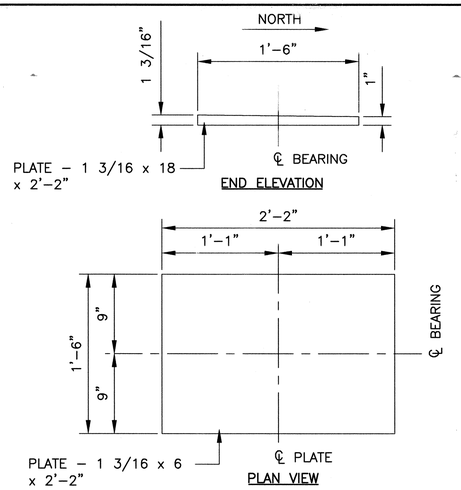
* QUANTITY IS APPROXIMATE AND DEPENDS ON SELECTED POST-TENSIONING SYSTEM



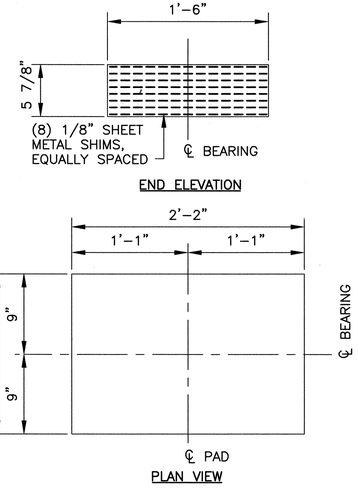
DIAPHRAGM AND ACCESS OPENINGS SECTION/ELEVATION
SCALE 1/2" = 1'-0"

"Y" VALUES

POINT	"Y"
PT.1	4.12'
PT.2	3.00'
PT.3	2.12'
PT.4	1.50'
PT.5	1.12'
PT.6	1.00'
PT.7	1.12'
PT.8	1.50'
PT.9	2.12'
PT.10	3.00'
PT.11	4.12'



SOLE PLATE DETAIL
SCALE 1 1/2" = 1'-0"



ELASTOMERIC BEARING PAD
SCALE 1 1/2" = 1'-0"

ELASTOMERIC BEARING PAD SCHEDULE

LOCATION	NO. INTERNAL LAMS	NO. SHIMS	INTERNAL LAM THICKNESS (IN)	SHIM THICKNESS (IN)	TOTAL THICKNESS * (IN)	Δ (IN)	TOTAL THICKNESS -Δ (IN)	DESIGN LOAD (K) DL	DESIGN LOAD (K) LL
ALL	7	6	5/8	1/8	5 7/8	1/16	5 11/16	391	64

BEARING PAD NOTES:

1. ELASTOMER: 60 DUROMETER HARDNESS.
2. SHEET METAL SHIMS: ASTM A 366 OR A 569.
3. SOLE PLATES: AASHTO M-183.
4. COAT TOP OF BEARING PAD W/SILICONE GREASE PRIOR TO SETTING BOX GIRDER SHOE/SOLE PLATE WELDMENT ASSEMBLY. SEE DETAIL "D" ON SHEET 9-11. TAKE ALL NECCESSARY STEPS TO PREVENT CONCRETE CONTACT AT ASSEMBLY INTERFACE.
5. COST OF ELASTOMERIC BEARING PADS, SOLE PLATES, AND ALL OTHER ASSOCIATED MATERIALS AND LABOR IS INCIDENTAL TO THE CONSTRUCTION.

SEE REV. SHT.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION
CONTRACTOR Solis Bros. DATE 1/08
WORK STAKED BY Survtek DATE
INSPECTOR'S ACCEPTANCE DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DATE OCT 13, 2004
DESIGNED BY GWK DATE 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004
NO. | DATE | REMARKS | BY
REVISIONS

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
FRAMING PLAN & LOGITUDINAL SECTION

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 9-6 Of

WILSON & COMPANY

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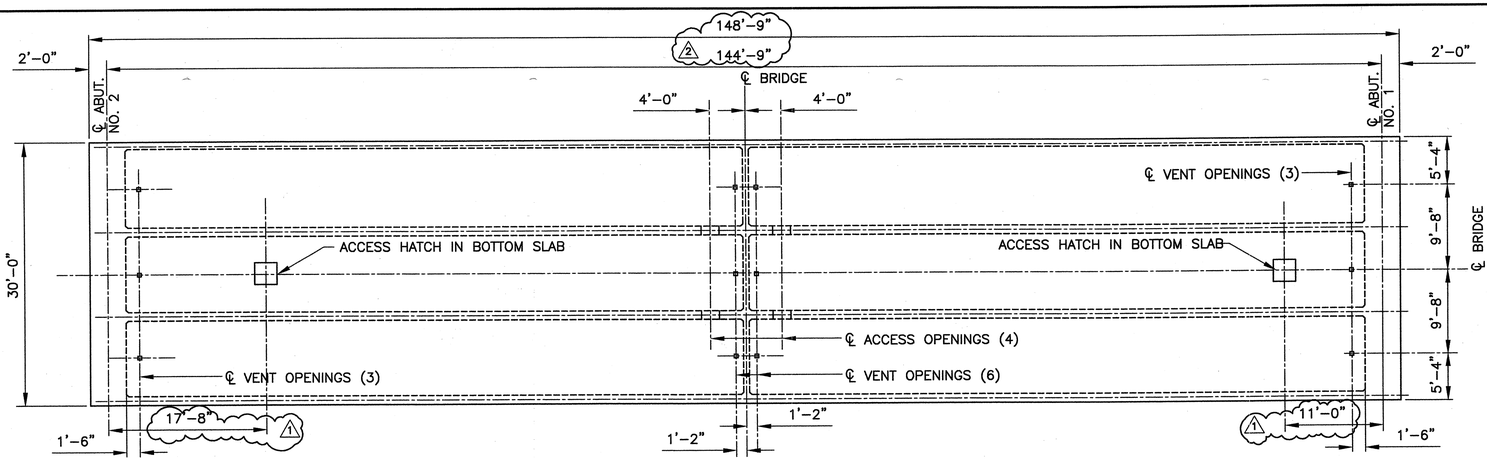
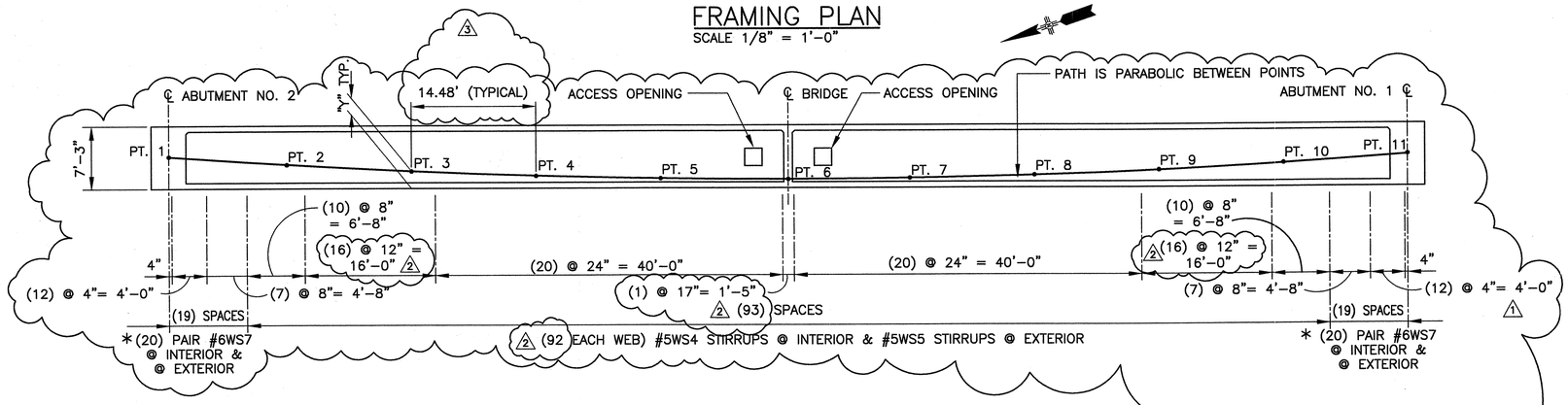


FRAMING PLAN
SCALE 1/8" = 1'-0"

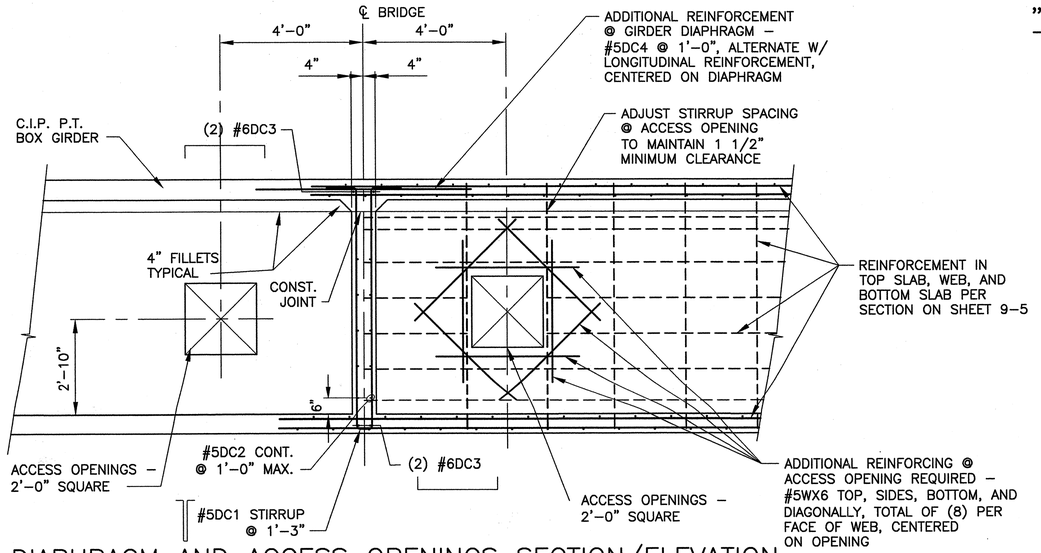


LONGITUDINAL SECTION
SCALE 1/8" = 1'-0"

PT. X = POINTS ALONG PARABOLIC PATH, SEE "Y" VALUES TABLE THIS SHEET FOR DISTANCE FROM BOTTOM TO POINTS.

* SEE SHEET 9-13 FOR REINFORCING DETAILS AT GIRDER ENDS AND PRESTRESSING NOTES.

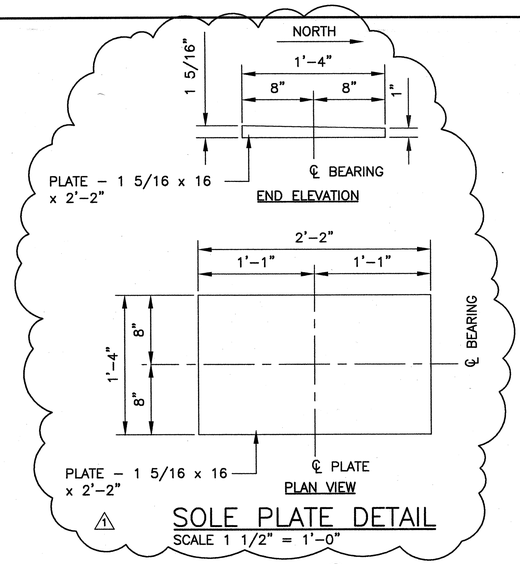
WIDTH AND QUANTITY OF #6 BARS IS APPROXIMATE AND DEPENDS ON SELECTED POST-TENSIONING SYSTEM.



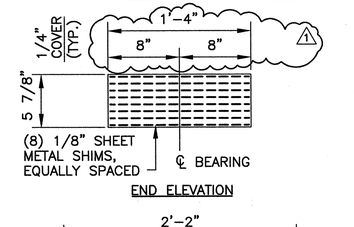
DIAPHRAGM AND ACCESS OPENINGS SECTION/ELEVATION
SCALE 1/2" = 1'-0"

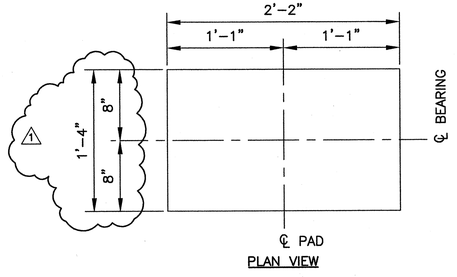
"Y" VALUES

POINT	"Y"
PT.1	4.12'
PT.2	3.00'
PT.3	2.12'
PT.4	1.50'
PT.5	1.12'
PT.6	1.00'
PT.7	1.12'
PT.8	1.50'
PT.9	2.12'
PT.10	3.00'
PT.11	4.12'



SOLE PLATE DETAIL
SCALE 1 1/2" = 1'-0"





ELASTOMERIC BEARING PAD
SCALE 1 1/2" = 1'-0"

ELASTOMERIC BEARING PAD SCHEDULE

LOCATION	NO. INTERNAL LAMS	NO. SHIMS	INTERNAL LAM THICKNESS (IN)	SHIM THICKNESS (IN)	TOTAL THICKNESS * (IN)	Δ (IN)	TOTAL THICKNESS -Δ (IN)	DESIGN LOAD (K) DL	DESIGN LOAD (K) LL
ALL	7	8	5/8	1/8	5 7/8	3/16	5 11/16	361	57

BEARING PAD NOTES:

1. ELASTOMER: 60 DUROMETER HARDNESS.
2. SHEET METAL SHIMS: ASTM A 366 OR A 569.
3. SOLE PLATES: AASHTO M-183.
4. COAT TOP OF BEARING PAD W/SILICONE GREASE PRIOR TO SETTING BOX GIRDER SHOE/SOLE PLATE WELDMENT ASSEMBLY. SEE DETAIL "D" ON SHEET 9-11. TAKE ALL NECCESSARY STEPS TO PREVENT CONCRETE CONTACT AT ASSEMBLY INTERFACE.
5. COST OF ELASTOMERIC BEARING PADS, SOLE PLATES, AND ALL OTHER ASSOCIATED MATERIALS AND LABOR IS INCIDENTAL TO THE CONSTRUCTION.

AS-BUILT INFORMATION
CONTRACTOR: Sais Bros. DATE: 1/08
WORK STAKED BY: Surv-Tek DATE
SURVEYED BY: DATE
ACCEPTANCE BY: DATE
FIELD VERIFICATION BY: DATE
DRAWINGS CORRECTED BY: Wilson & Co. DATE: 1/08
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED 'ACS 1-C11 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 07, 2005

NO.	DATE	REMARKS	BY
1	MAY '06	BRIDGE REDESIGN	CRH
2	JULY '06	DIMENSIONAL REVISION	CRH
3	OCT. '06	DIMENSIONAL REVISION	CRH

REVISIONS
WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY CRH DATE 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004
DATE OCT 13, 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

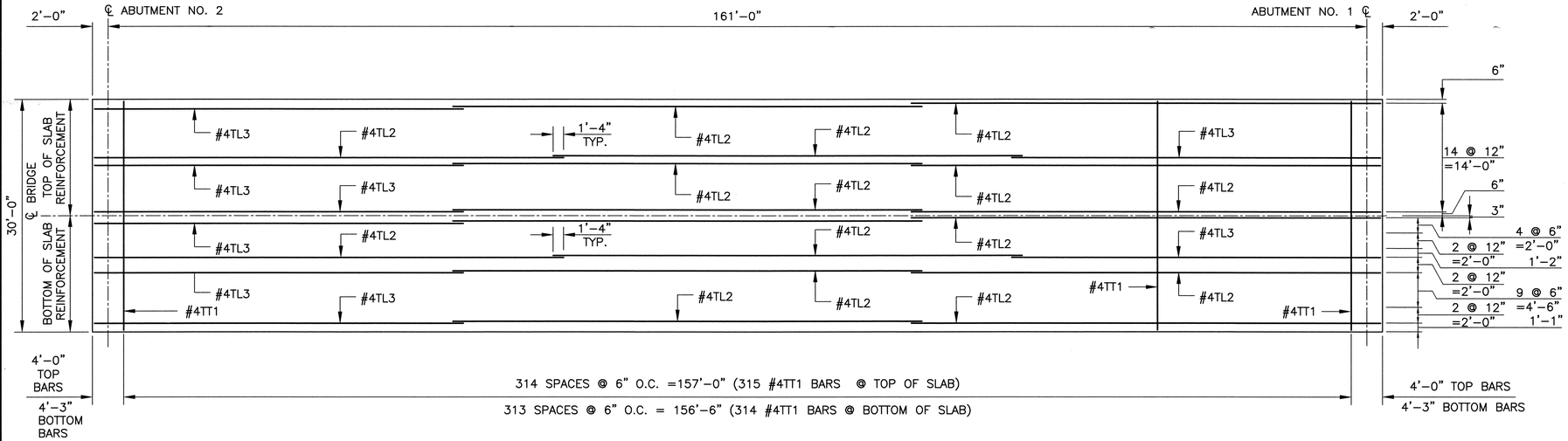
PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
FRAMING PLAN & LOGITUDINAL SECTION

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

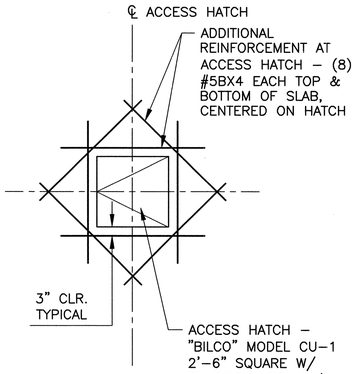
City Project No. COA 705002 | Zone Map No. C-11 | Sheet 9-6 Of

WILSON & COMPANY

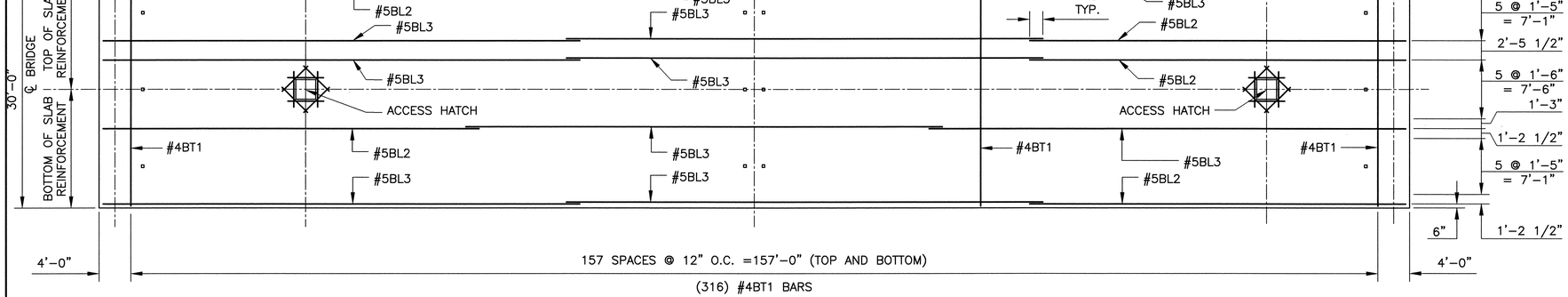
X:\Public\PROJECTS\X3022\Structures\SECTION 9- LAND B\Sht 9-6 - framing plan and long sect.dwg 8/24/2006 9:31:27 AM MST



DECK SLAB REINFORCEMENT PLAN
SCALE 1/8" = 1'-0"

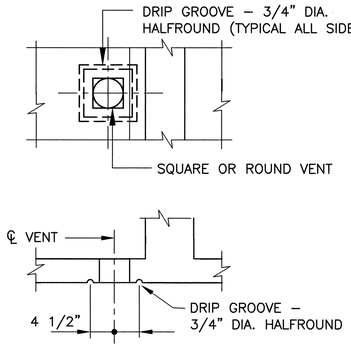


ACCESS HATCH DETAIL
NOT TO SCALE



BOTTOM SLAB REINFORCEMENT PLAN
SCALE 1/8" = 1'-0"

NOTE
5"ø OR 5" SQUARE VENT IN LOWER SLAB. MINIMUM OF TWO VENTS PER SPAN IN EACH BAY BETWEEN GIRDER. LOCATE ONE VENT AT LOW POINT OF SPAN AND OTHER VENT AT OPPOSITE END OF SPAN @ 1'-6" FROM FACE OF ABUTMENT OR BENT.



VENT DETAIL
NOT TO SCALE

SEE REV. SHT.

AS-BUILT INFORMATION
CONTRACTOR Sais Bros. DATE 1/08
WORK STAMPED BY Survtek DATE
INSPECTOR'S NOTES DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson + Co. DATE 1/08
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED 'ACS 1-C11 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

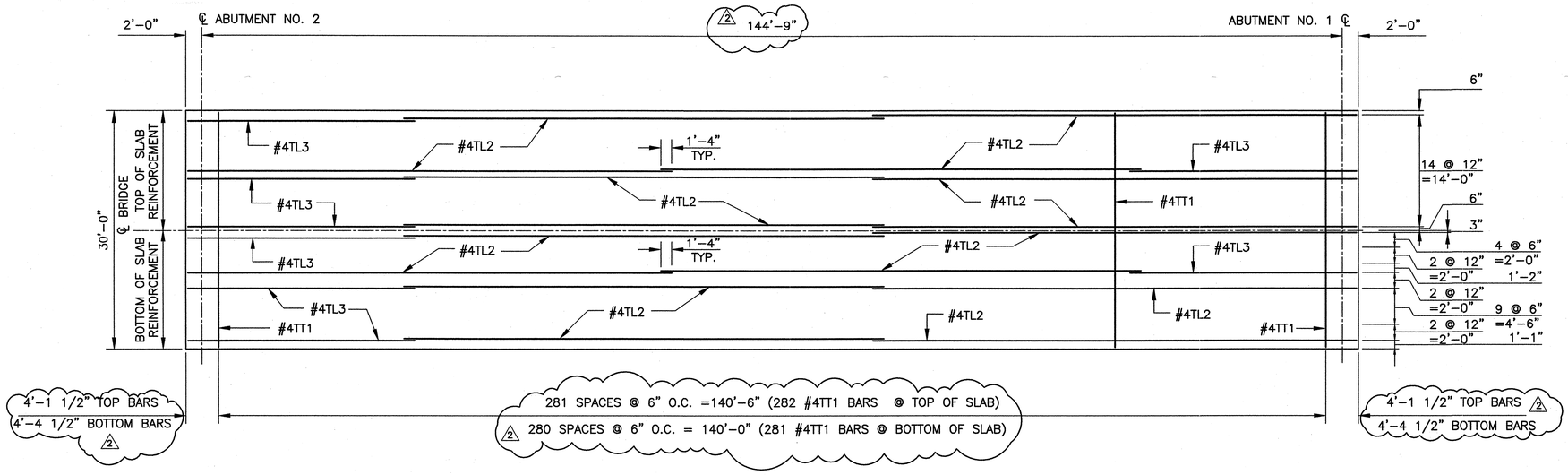
PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
DECK REINFORCEMENT PLAN

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

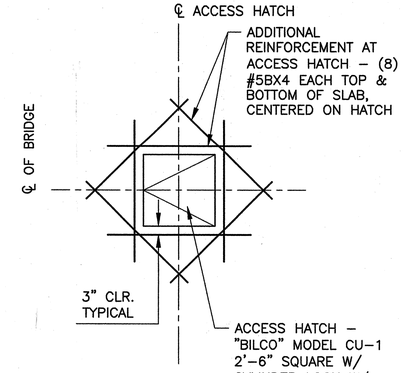
City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	9-7	

WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 9- LAND B\Sht 9-7 - deck reinforcement plan.dwg 2/23/2005 4:02:29 PM MST

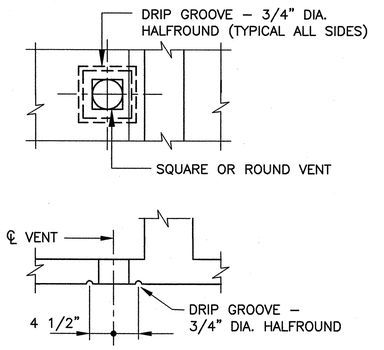


DECK SLAB REINFORCEMENT PLAN
SCALE 1/8" = 1'-0"

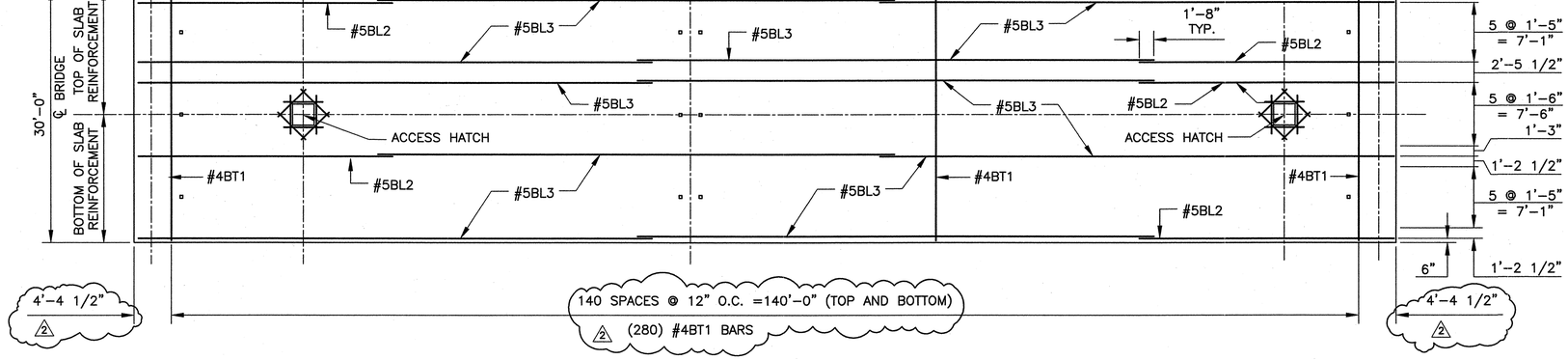


ACCESS HATCH DETAIL
NOT TO SCALE

NOTE
5"ø OR 5" SQUARE VENT IN LOWER SLAB. MINIMUM OF TWO VENTS PER SPAN IN EACH BAY BETWEEN GIRDER. LOCATE ONE VENT AT LOW POINT OF SPAN AND OTHER VENT AT OPPOSITE END OF SPAN @ 1'-6" FROM FACE OF ABUTMENT OR BENT.



VENT DETAIL
NOT TO SCALE



BOTTOM SLAB REINFORCEMENT PLAN
SCALE 1/8" = 1'-0"

SURVEY INFORMATION FIELD NOTES		
NO.	DATE	BY

BENCH MARKS	
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AS-BUILT INFORMATION	
CONTRACTOR	Sais Bros. DATE 1/08
WORK PERFORMED BY	Survtek DATE
INSPECTOR'S FIELD STAKING BY	DATE
VERIFICATION BY	DATE
CORRECTED BY	Wilson & Co. DATE 1/08
RECORDED BY	DATE
NO.	

MICRO-FILM INFORMATION

ENGINEER'S SEAL

GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REVISIONS	BY
1	JULY '06	DIMENSIONAL REVISION	CRH
2	MAY '06	BRIDGE REDESIGN	CRH

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	GWK	DATE OCT 13, 2004	
DRAWN BY	CRH	DATE 2004	
CHECKED BY	SFP	DATE 2004	

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
DECK REINFORCEMENT PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	9-7	

WILSON & COMPANY

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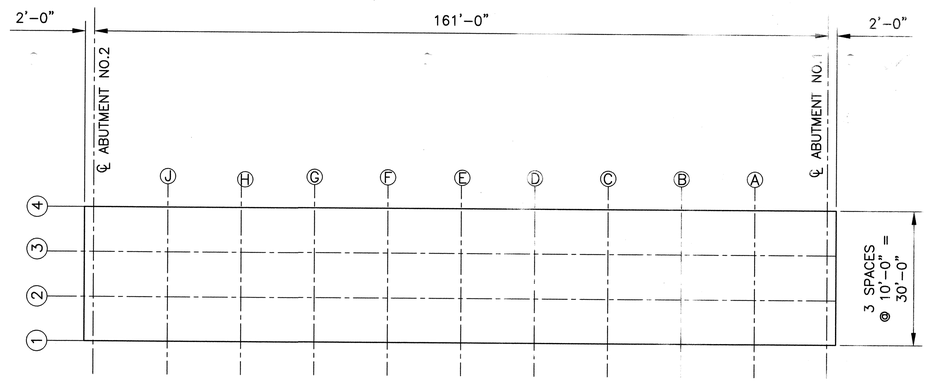
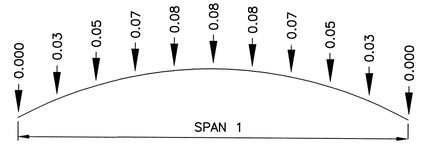
DECK ELEVATIONS

	$^{C}/_{L}$ BRG. ABUT. 2	1/10 POINTS								
		Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	Ⓙ
4	5276.815	5276.977	5277.139	5277.301	5277.462	5277.624	5277.786	5277.948	5278.110	5278.272
3	5276.815	5276.977	5277.139	5277.301	5277.462	5277.624	5277.786	5277.948	5278.110	5278.272
2	5276.815	5276.977	5277.139	5277.301	5277.462	5277.624	5277.786	5277.948	5278.110	5278.272
1	5276.815	5276.977	5277.139	5277.301	5277.462	5277.624	5277.786	5277.948	5278.110	5278.272



TOP OF DECK ELEVATIONS
SCALE 1:12



CAMBER DIAGRAM
NO SCALE

NOTES:

1. CAMBER STRUCTURE ACCORDING TO VALUES SHOWN ABOVE TO COMPENSATE FOR DEAD LOAD DEFLECTION DUE TO WEIGHT OF BOX GIRDER AND SUPERIMPOSED DEAD LOADS. VALUES SHOWN DO NOT INCLUDE ALLOWANCE FOR FALSEWORK SETTLEMENT.
2. DECK ELEVATIONS ARE IN FEET AND ARE SHOWN AT 1/10TH POINTS ALONG SPAN.
3. CAMBERS ARE IN FEET AND ARE MEASURED FROM PROFILE GRADE LINE AT 1/10TH POINTS.

SEE REV.SHT.

AS-BUILT INFORMATION
CONTRACTOR Sais Bros. DATE 1/08
WORK ISSUED BY Survtek
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY Wilson+Co. DATE 1/08
RECORDED BY DATE
NO.

BENCH MARKS
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SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14368 PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
BEAM SEAT AND DECK ELEVATIONS

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

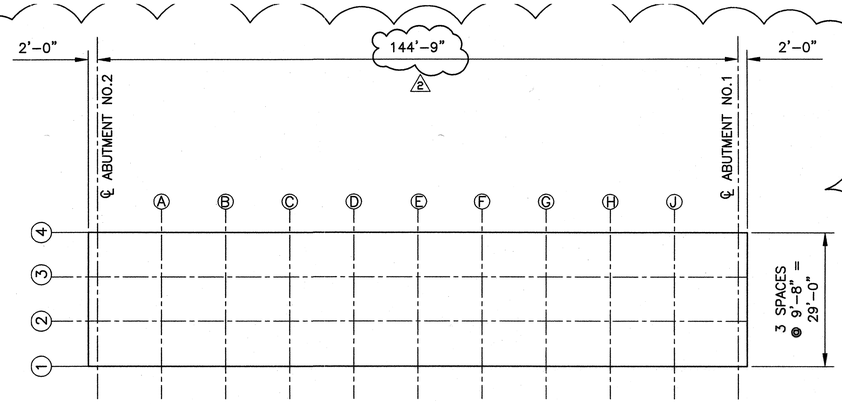
City Project No. COA 705002 | Zone Map No. C-11 | Sheet 9-8 Of

WILSON & COMPANY

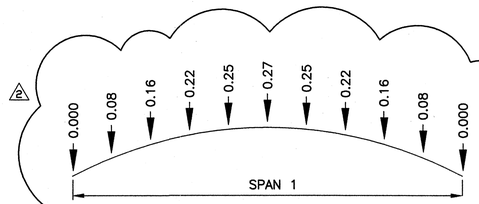
X:\Public\PROJECTS\X3022\Structures\SECTION 9- LAND B\Sht 9-8 - beam seat & deck elevs.dwg 2/23/2005 4:03:06 PM MST

DECK ELEVATIONS

	$^{C}/_{L}$ BRG. ABUT. 2	1/10 POINTS Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	Ⓙ	$^{C}/_{L}$ BRG. ABUT. 1
4	5275.27	5275.62	5275.98	5276.34	5276.69	5277.05	5277.41	5277.76	5278.12	5278.48	5278.83
3	5275.27	5275.62	5275.98	5276.34	5276.69	5277.05	5277.41	5277.76	5278.12	5278.48	5278.83
2	5275.27	5275.62	5275.98	5276.34	5276.69	5277.05	5277.41	5277.76	5278.12	5278.48	5278.83
1	5275.27	5275.62	5275.98	5276.34	5276.69	5277.05	5277.41	5277.76	5278.12	5278.48	5278.83



TOP OF DECK ELEVATIONS
SCALE 1:12



CAMBER DIAGRAM
NO SCALE

NOTES:

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2. DECK ELEVATIONS ARE IN FEET AND ARE SHOWN AT 1/10TH POINTS ALONG SPAN.
3. CAMBERS ARE IN FEET AND ARE MEASURED FROM PROFILE GRADE LINE AT 1/10TH POINTS.

AS-BUILT INFORMATION
CONTRACTOR Salls Bros. Survey DATE 1/06
WORK STAKED BY DATE
INSPECTOR'S STAKEMARKS BY DATE
FIELD VERIFICATION BY DATE
REMARKS CORRECTED BY Wilson & Co DATE 1/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14368 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2009

NO.	DATE	REMARKS	BY
3	JULY '06	DIMENSIONAL REVISION	CRH
2	MAY '06	BRIDGE REDESIGN	CRH

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	GWK	DATE OCT 13, 2004	
DRAWN BY	CRH	DATE 2004	
CHECKED BY	SFP	DATE 2004	

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

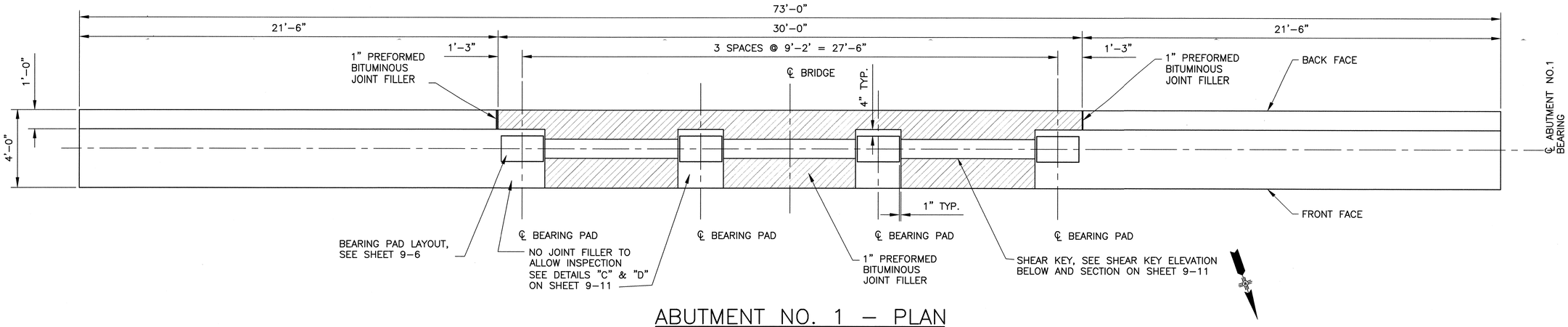
PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
BEAM SEAT AND DECK ELEVATIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

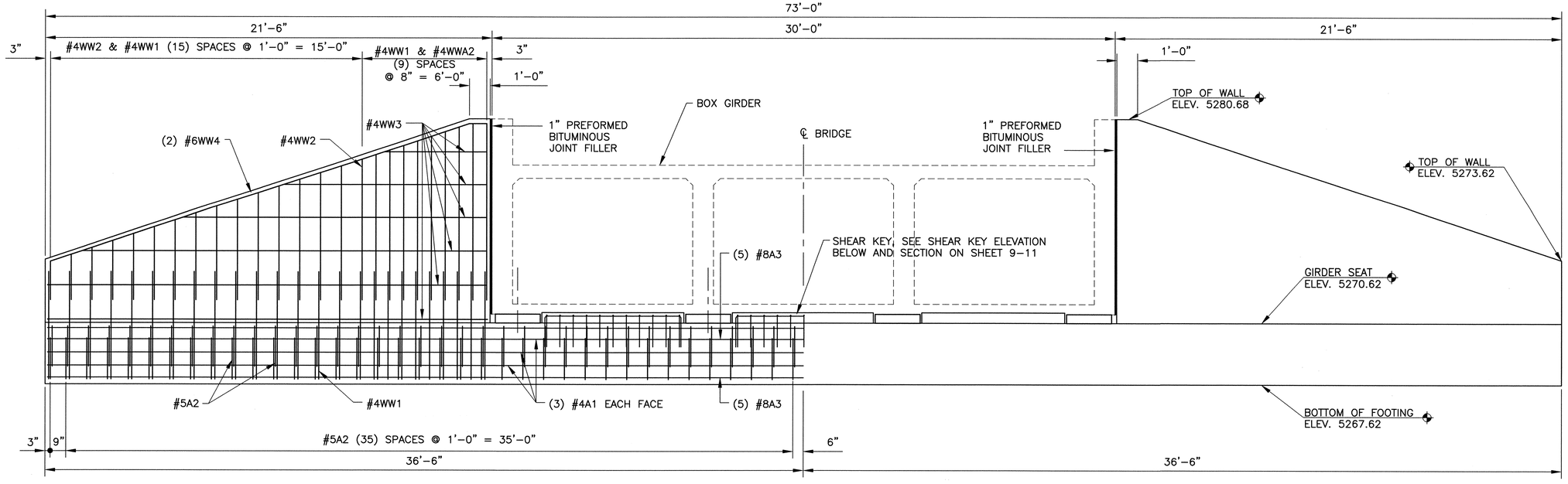
City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	9-8	

WILSON & COMPANY

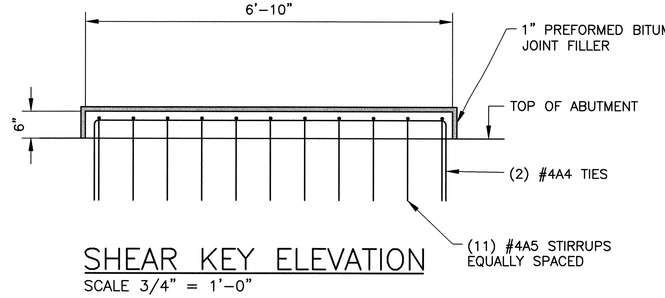
X:\Public\PROJECTS\X3022\Structures\SECTION 9- LAND B\Sht 9-8 - beam seat & deck elevs.dwg 8/24/2006 9:33:36 AM MST



ABUTMENT NO. 1 – PLAN
SCALE 3/8" = 1'-0"



ABUTMENT NO. 1 – ELEVATION
SCALE 3/8" = 1'-0"



SHEAR KEY ELEVATION
SCALE 3/4" = 1'-0"

SEE REV. SHT.

AS-BUILT INFORMATION
CONTRACTOR Solis Bros. DATE 1/08
SURVEYED BY Surveyed DATE
STAKED BY DATE
INSPECTOR'S NOTATIONS DATE
FIELD VERIFICATION BY DATE
CORRECTED BY Wilson & Co. DATE 1/08
RECORDED BY DATE

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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEIN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS / REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
ABUTMENT NO. 1 PLAN AND ELEVATION

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 9-9 Of

WILSON & COMPANY

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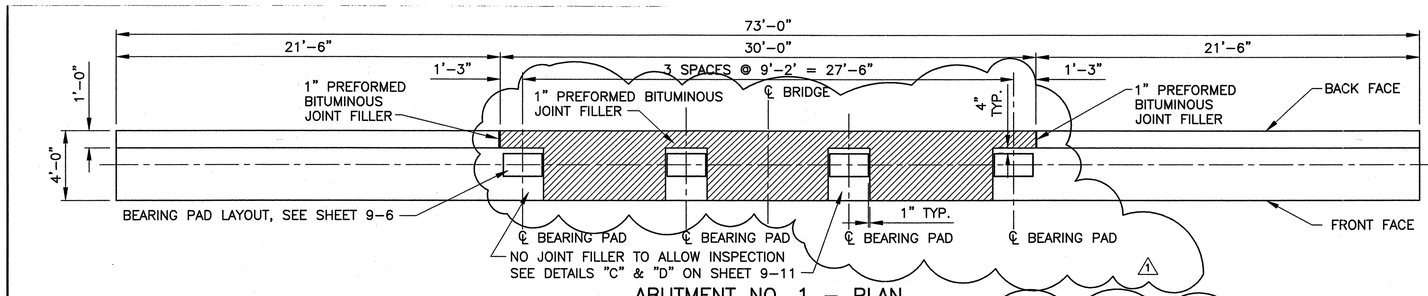
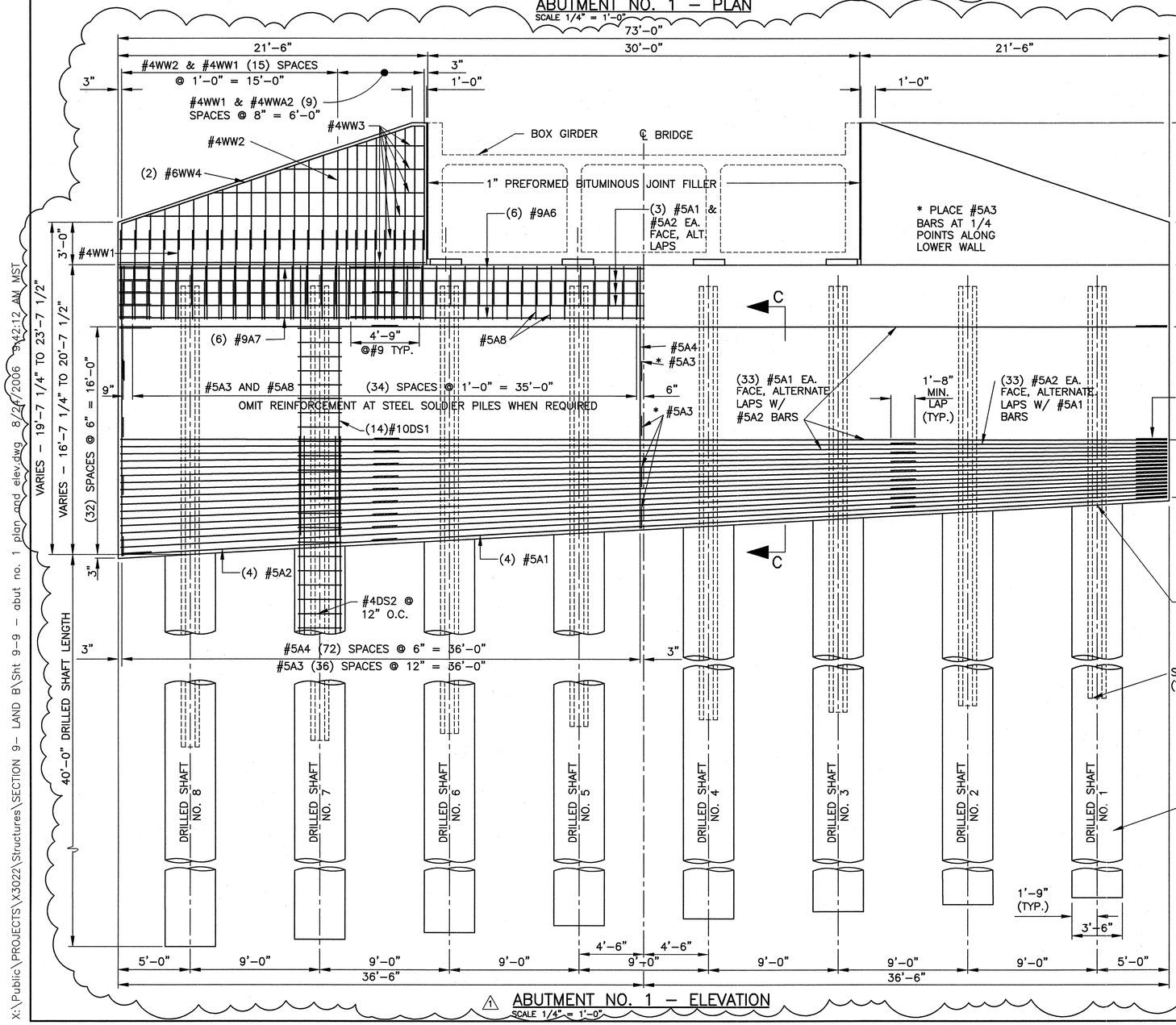


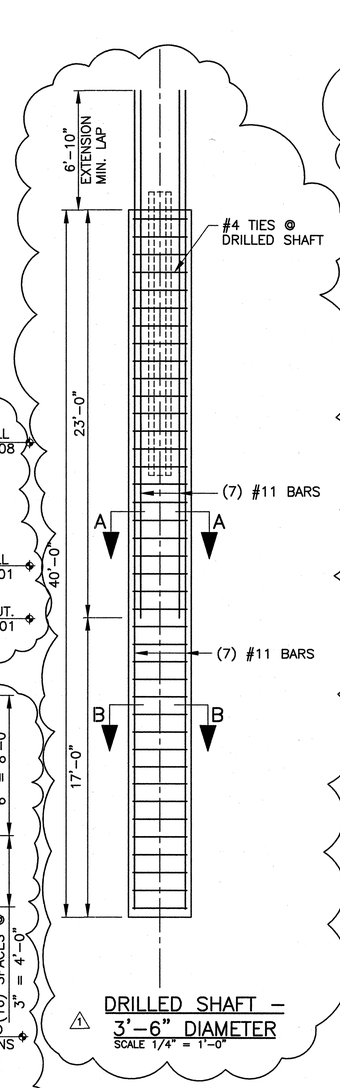
ABUTMENT NO. 1 – PLAN

SCALE 1/4" = 1'-0"



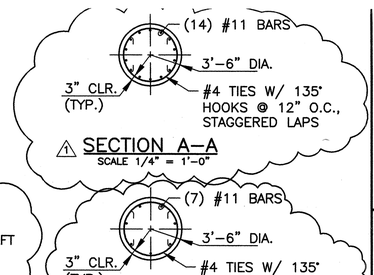
ABUTMENT NO. 1 – ELEVATION

SCALE 1/4" = 1'-0"



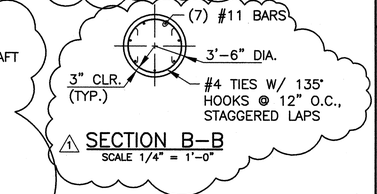
DRILLED SHAFT – 3'-6" DIAMETER

SCALE 1/4" = 1'-0"



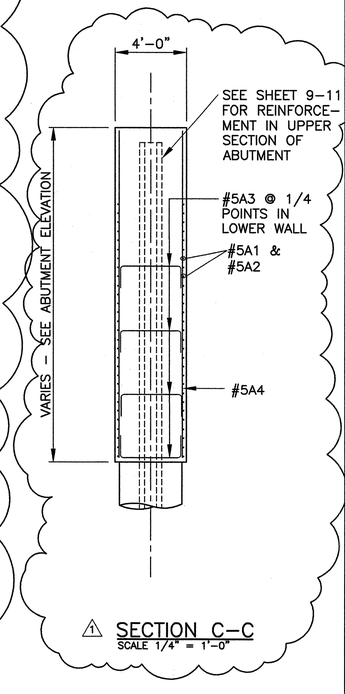
SECTION A–A

SCALE 1/4" = 1'-0"



SECTION B–B

SCALE 1/4" = 1'-0"



SECTION C–C

SCALE 1/4" = 1'-0"

DRILLED SHAFT NO.	ELEVATION
1	5254.13
2	5253.70
3	5253.25
4	5252.73
5	5252.21
6	5251.69
7	5251.18
8	5250.66

TOP OF DRILLED SHAFT ELEVATIONS

AS-BUILT INFORMATION
CONTRACTOR: Sais Bros. DATE: 1/08
WORKED BY: Sam Pak
INSPECTOR'S REMARKS: DATE
FIELD VERIFICATION BY: DATE
DRAWING CORRECTED BY: Wilson & Co. DATE: 1/08
RECORDED BY: DATE
NO.:

BENCH MARKS
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SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

AS-BUILT INFORMATION
MICRO-FILM INFORMATION

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14368 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2006

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

REVISIONS
NO. | DATE | REMARKS | BY
1 | MAY '06 | BRIDGE REDESIGN | CRH

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

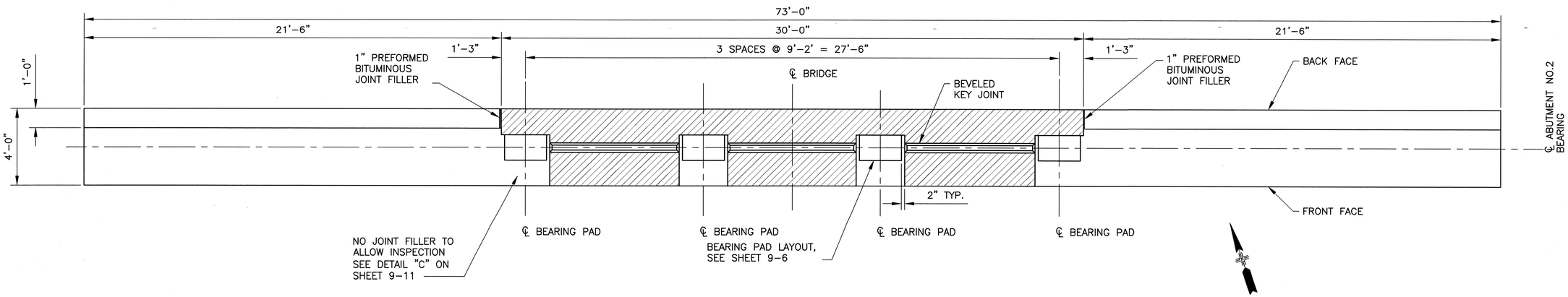
PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
ABUTMENT NO. 1 PLAN AND ELEVATION

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 9-9 Of

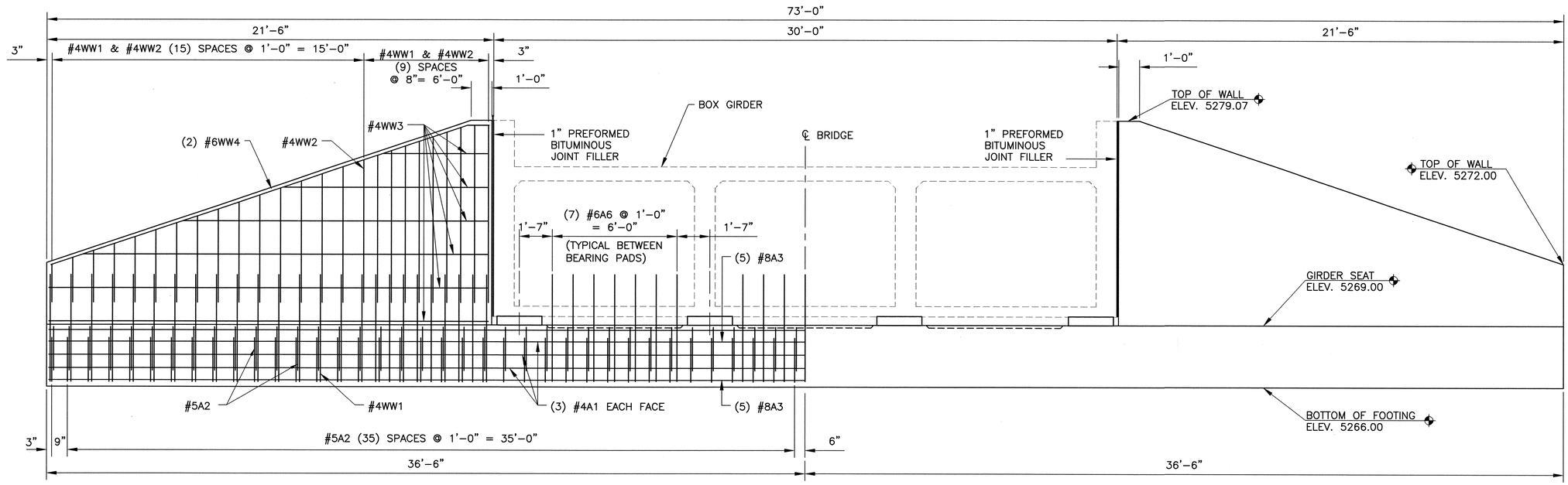
WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 9- LAND B\Sht 9-9 - abut no. 1 plan and elev.dwg 8/24/2006 3:42:12 AM MST



ABUTMENT NO. 2 – PLAN

SCALE 1/2" = 1'-0"



ABUTMENT NO. 2 – ELEVATION

SCALE 1/2" = 1'-0"

SEE REV. SHT.

AS-BUILT INFORMATION		
CONTRACTOR	Sells Bros	DATE 1/06
WORK STAKED BY SURVEYING ACCEPTANCE BY	Surv-Tek	DATE
FIELD INSPECTION BY		DATE
DRAWINGS CORRECTED BY	Wilson & Co.	DATE 1/06
RECORDED BY	MICRO-FILM INFORMATION	DATE

BENCH MARKS

THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11" 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL

GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER

02-24-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DATE OCT 13, 2004

DESIGNED BY	GWK	DATE 2004
DRAWN BY	CRH	DATE 2004
CHECKED BY	SFP	DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

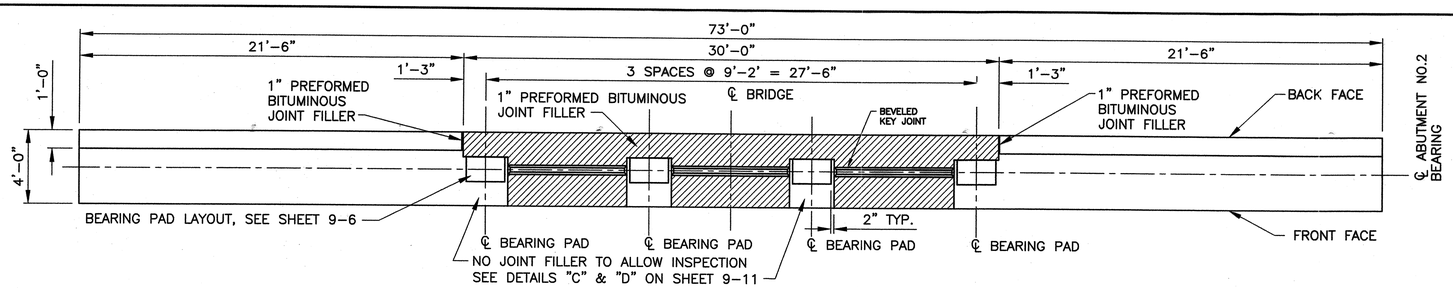
PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
ABUTMENT NO. 2 PLAN AND ELEVATION

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE	APPROVED NOV 21 2005 CITY ENGINEER			

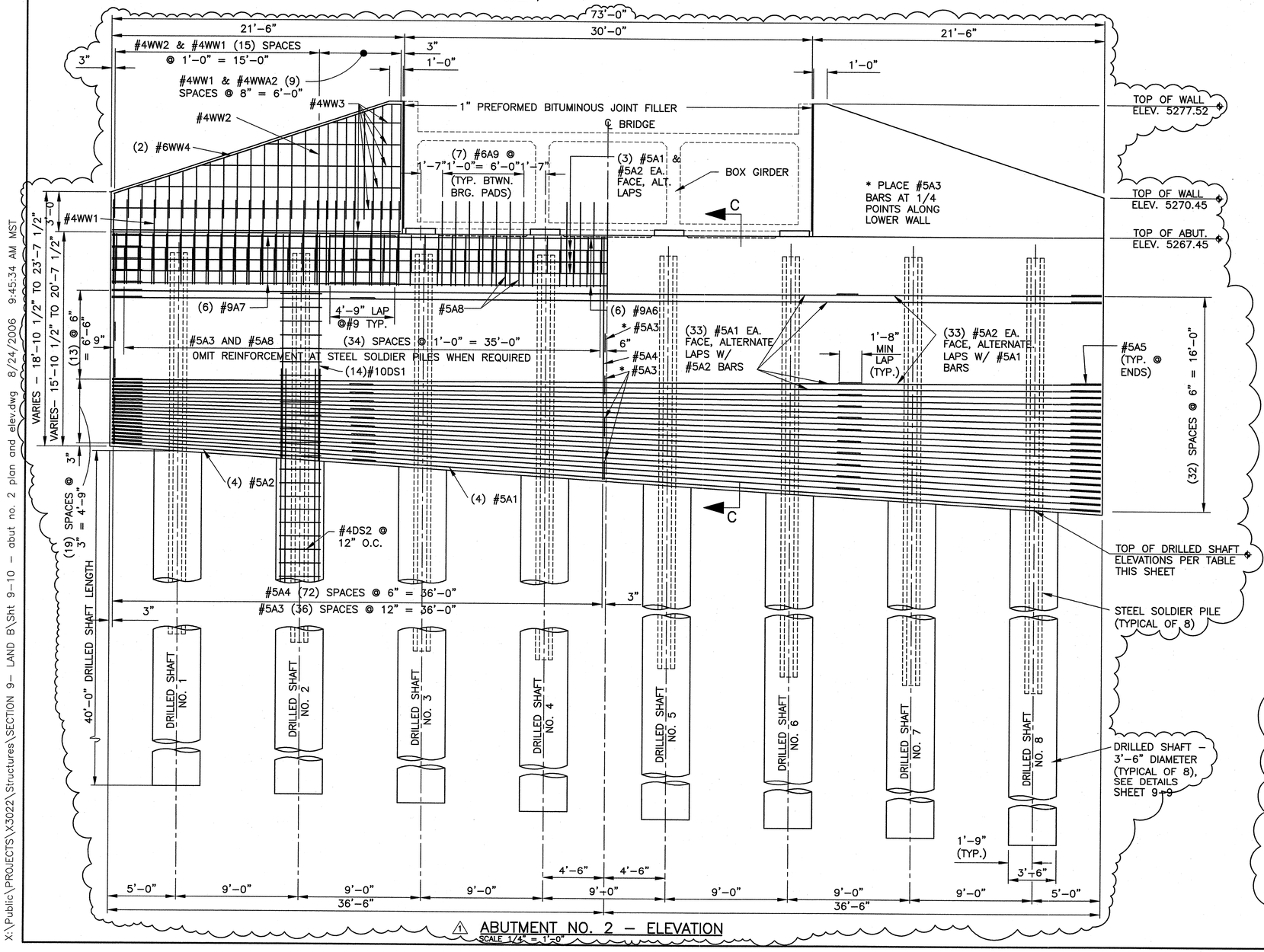
City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	9-10	

WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 9- LAND B\Sht 9-10 - abut no. 2 plan and elev.dwg 2/23/2005 3:48:34 PM MST



ABUTMENT NO. 2 – PLAN
SCALE 1/4" = 1'-0"



⚠ ABUTMENT NO. 2 – ELEVATION
SCALE 1/4" = 1'-0"

DRILLED SHAFT NO.	ELEVATION
1	5251.25
2	5250.65
3	5249.99
4	5249.43
5	5248.86
6	5248.29
7	5247.72
8	5247.15

⚠ TOP OF DRILLED SHAFT ELEVATIONS

BENCH MARKS
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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

AS-BUILT INFORMATION
CONTRACTOR Salis Bros. DATE 1/08
WORK STAKED BY
INSPECTION & ACCEPTANCE BY Sawtek DATE
FIELD LOCATION BY DATE
VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14368 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2006

NO.	DATE	REMARKS	BY
	MAY '06	BRIDGE REDESIGN	CRH

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
ABUTMENT NO. 2 PLAN AND ELEVATION

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	9-10	

WILSON & COMPANY

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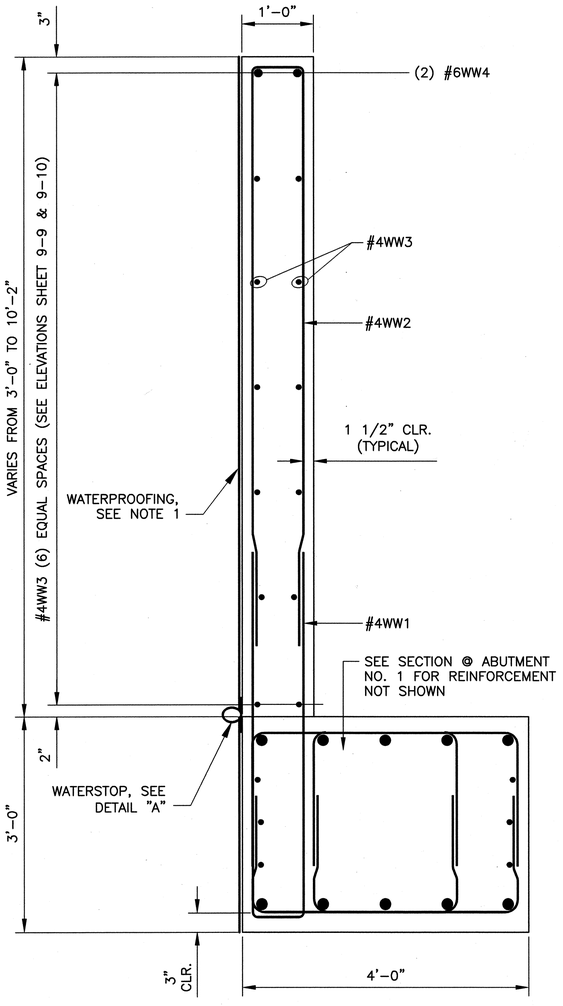
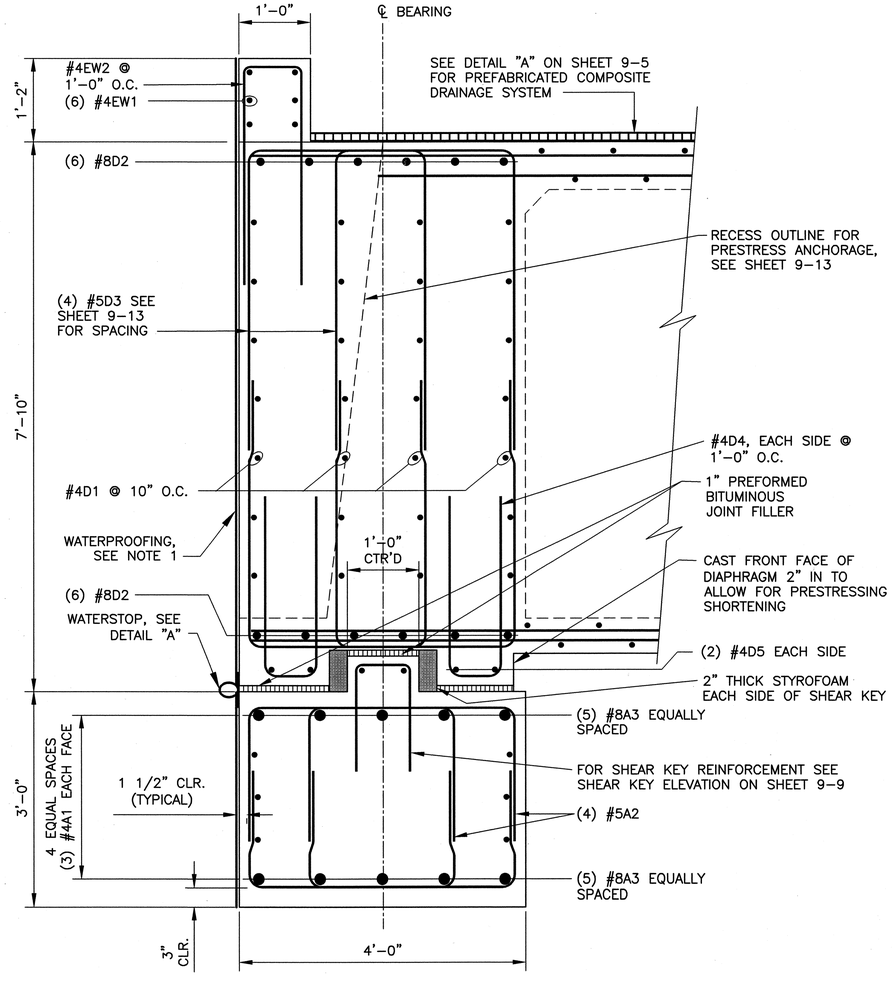
ABUTMENT NOTES:

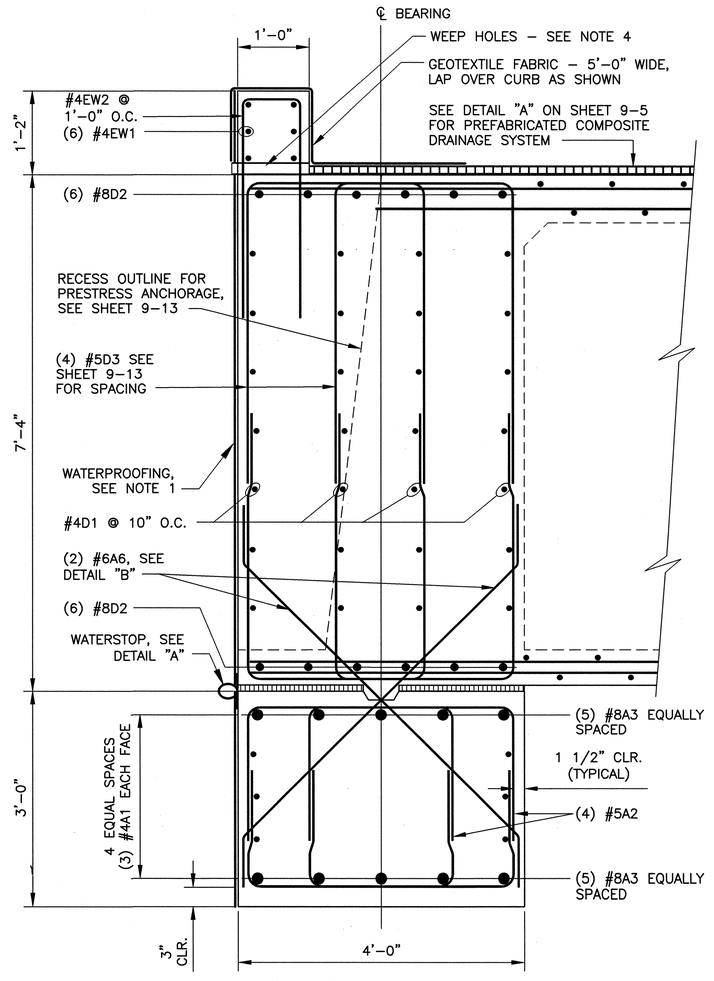
1. APPLY A WATERPROOFING SYSTEM ON BACKSIDES OF ABUTMENTS AND END DIAPHRAGMS. USE HYDROCIDE 700B EMULSIFIED ASPHALT, OR APPROVAL EQUAL.
2. ALL DIMENSIONS ARE PERPENDICULAR TO CENTERLINE OF BEARING.
3. SEE SHEET 9-13 FOR ADDITIONAL REINFORCEMENT AT END ANCHORAGES.
4. WEEP HOLES: 4 x 2 x 1'-1", FIBERGLASS TUBE, SPACE 1'-0" O.C. AND CENTERED BETWEEN STIRRUPS. EXTEND 1" BEYOND OUTSIDE FACE. FIBERGLASS TUBE SHALL BE EXTREN 625, VINYL ESTER RESIN BY EXTREN OR APPROVED EQUAL.



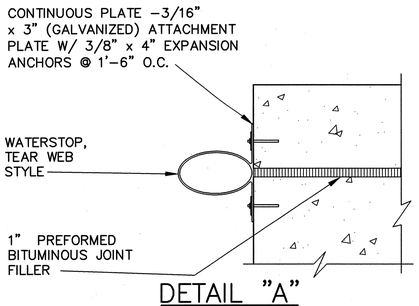
WINGWALL SECTION
SCALE 1" = 1'-0"



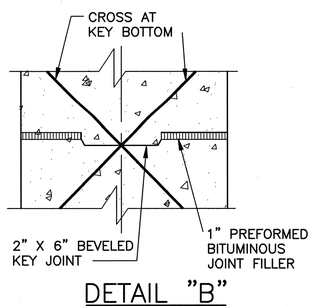
ABUTMENT NO. 1 SECTION
SCALE 1" = 1'-0"



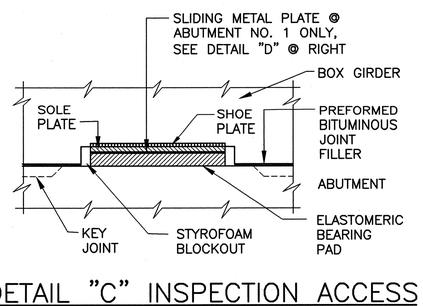
ABUTMENT NO. 2 SECTION
SCALE 1" = 1'-0"



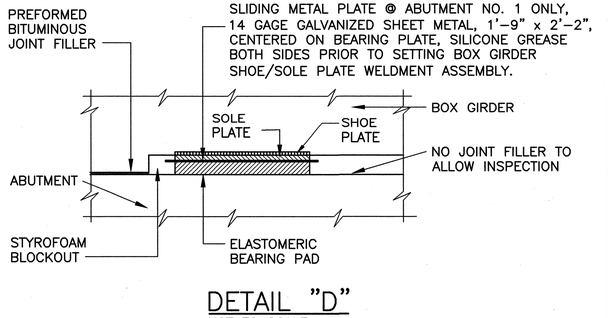
DETAIL "A"
NOT TO SCALE



DETAIL "B"
NOT TO SCALE



DETAIL "C" INSPECTION ACCESS
NOT TO SCALE



DETAIL "D"
NOT TO SCALE

SEE REV. SHT.

AS-BUILT INFORMATION
CONTRACTOR Sais Bros. DATE 1/08
WORK STAKED BY Surveyed DATE
STAKES ACCEPTANCE BY DATE
FIELD INFORMATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

THE STA. IS A 3" ALUMINUM CAP STAMPED "ACS 1-C11	
1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS	
LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA	
FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO	
MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO	
TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE	
NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR.,	
THE STA. IS N.E. OF THIS POINT. ELEVATION =	
5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)	

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REMARKS / REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
ABUTMENT DETAILS

Design Review Committee: APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 15 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 9-11 Of

WILSON & COMPANY

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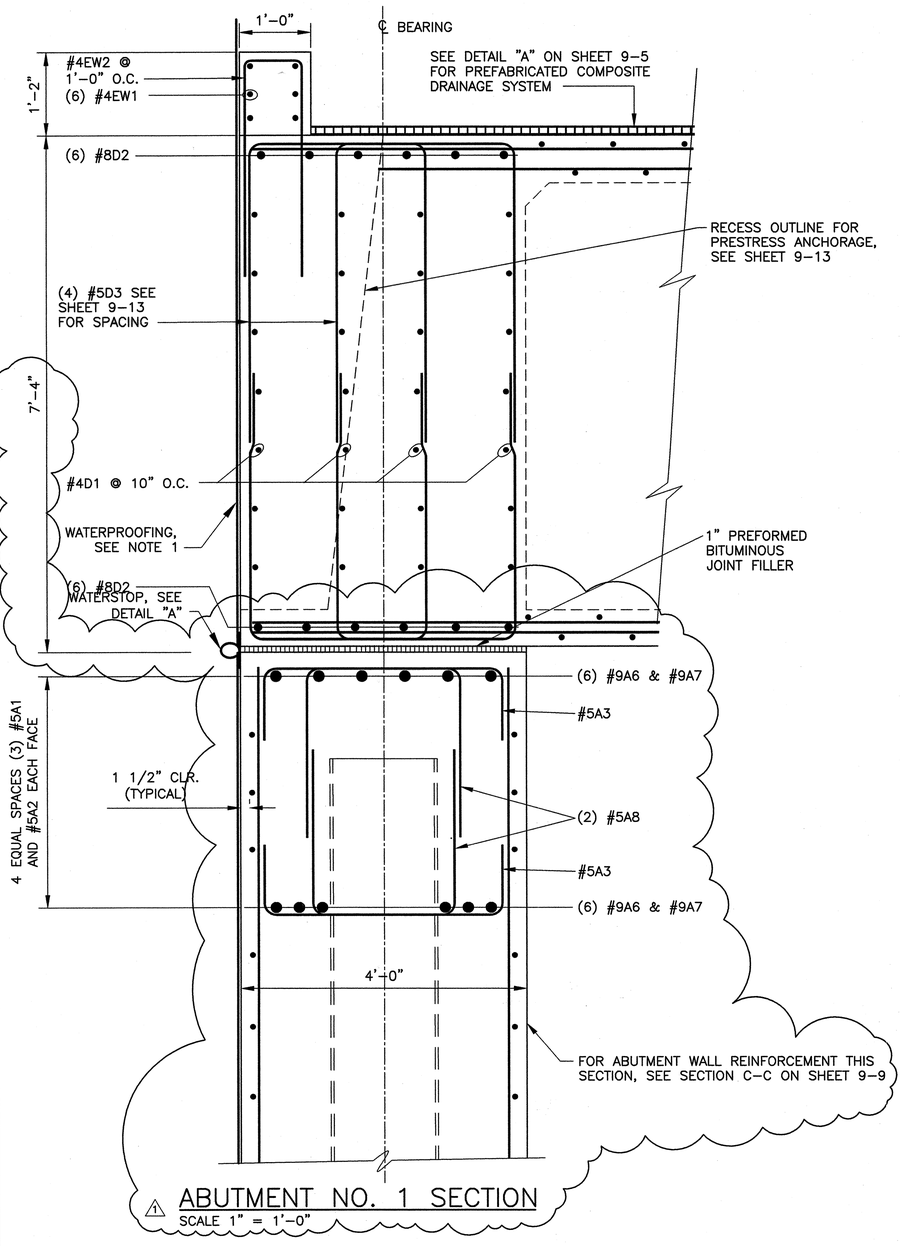
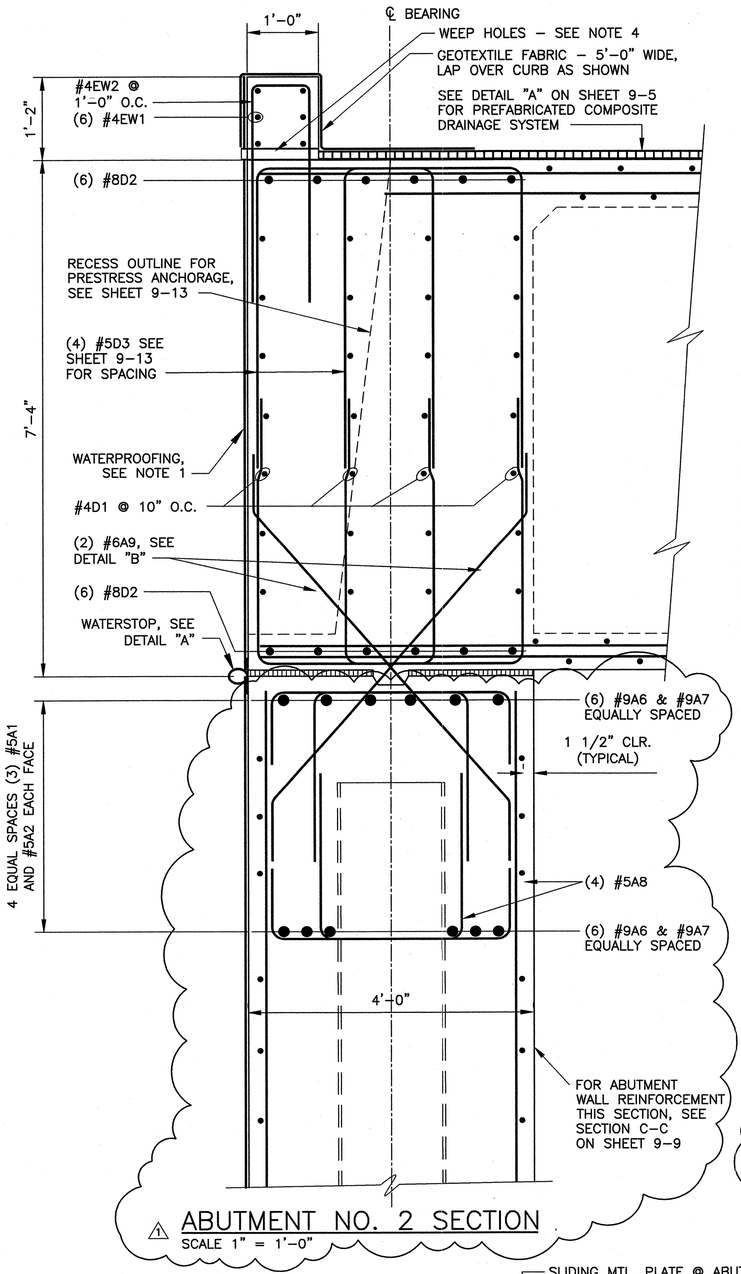


⚠1 ABUTMENT NO. 1 SECTION
SCALE 1" = 1'-0"



⚠1 ABUTMENT NO. 2 SECTION
SCALE 1" = 1'-0"

ABUTMENT NOTES:

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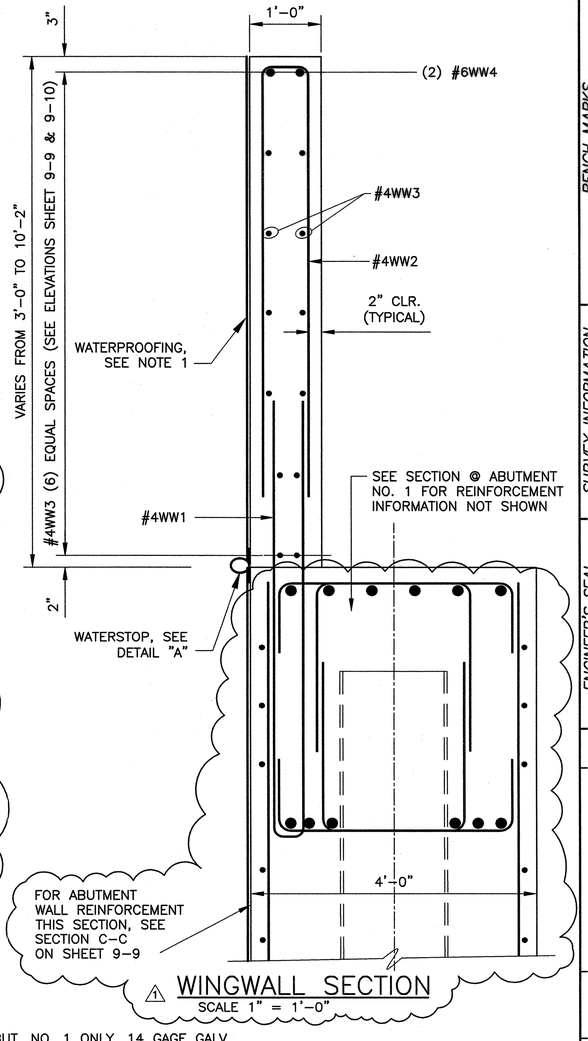
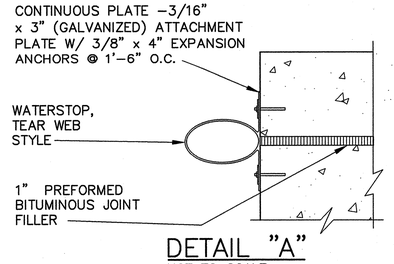
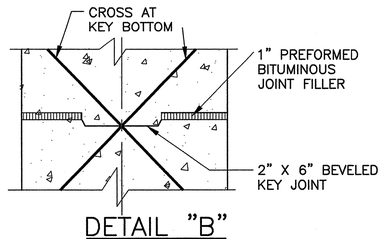


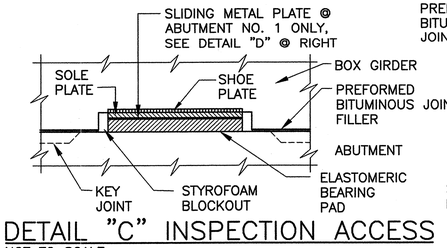
⚠1 WINGWALL SECTION
SCALE 1" = 1'-0"



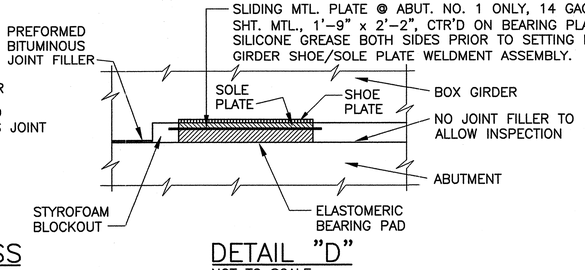
DETAIL "A"
NOT TO SCALE



DETAIL "B"
NOT TO SCALE



DETAIL "C" INSPECTION ACCESS
NOT TO SCALE



DETAIL "D"
NOT TO SCALE

AS-BUILT INFORMATION
CONTRACTOR Sais Bros. DATE 1/08
WORKED BY Survtek
INSPECTOR'S SIGNATURE & DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY Wilson+Co. DATE 1/08
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED 'ACS 1-C11 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14368 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

NO.	DATE	REVISIONS	BY
⚠1	MAY '06	BRIDGE REDESIGN	CRH

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
ABUTMENT DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 9-11 Of

WILSON & COMPANY

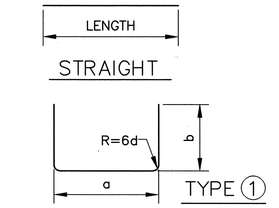
X:\Public\PROJECTS\X3022\Structures\SECTION 9- LAND B\Sht 9-11 - abutment details.dwg 8/24/2006 9:47:02 AM MST

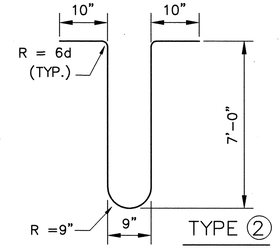
	MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
SUPERSTRUCTURE	#4BT 1	4	316	29 '- 6 "	STR.	NON-EPOXY	6227
	#5BL 2	5	40	48 '- 0 "	STR.	NON-EPOXY	2003
	#5BL 3	5	80	60 '- 0 "	STR.	NON-EPOXY	5006
	#5BX 4	5	32	4 '- 6 "	STR.	NON-EPOXY	150
	#4WL 1	4	40	47 '- 6 "	STR.	NON-EPOXY	1269
	#4WL 2	4	80	60 '- 0 "	STR.	NON-EPOXY	3206
	#8WL 3	8	24	56 '- 6 "	STR.	NON-EPOXY	3621
	#5WS 4	5	224	14 '- 3 2 /4 "	2	SEE DIAGRAM FOR DIMENSIONS	3339
	#5WS 5	5	224	14 '- 3 2 /4 "	3	SEE DIAGRAM FOR DIMENSIONS	3339
	#5WX 6	5	64	4 '- 0 "	STR.	NON-EPOXY	267
	#6WS 7	6	304	17 '- 9 "	1	a=9", b=8'-6"	8105
	#4WS 8	4	56	7 '- 0 "	STR.	NON-EPOXY	262
	#4TT 1	4	627	29 '- 6 "	STR.		12356
	#4TL 2	4	72	47 '- 6 "	STR.		2285
	#4TL 3	4	144	60 '- 0 "	STR.		5772
	#6TL 4	6	4	48 '- 0 "	STR.		288
	#6TL 5	6	8	60 '- 0 "	STR.		721
	#5DC 1	5	24	16 '- 2 "	5	SEE DIAGRAM FOR DIMENSIONS	405
	#5DC 2	5	14	29 '- 6 "	STR.	NON-EPOXY	431
	#6DC 3	12	6	11 '- 3 "	1	NON-EPOXY, a=9'-3", b=1'-0"	359
	#5DC 4	5	30	6 '- 0 "	STR.		188
	#4D 1	4	56	29 '- 6 "	STR.		1104
	#8D 2	8	24	29 '- 6 "	STR.		1890
	#5D 3	5	216	11 '- 9 "	1	a=3'-9", b=4'-0"	2647
	#4D 4	4	31	3 '- 7 "	1	a=11", b=1'-4"	74
	#4D 5	4	4	29 '- 6 "	STR.		79
	#4D 6	4	32	6 '- 8 "	STR.		143
	#4D 7	4	128	3 '- 0 "	7	a=2'-0", b=1'-0"	257
	#6D 8	6	44	12 '- 7 "	1	a=6'-7", b=3'-0"	832
	#4EW 1	4	12	31 '- 0 "	1	a=29'-6", b=9",	248
	#4EW 2	4	60	6 '- 9 "	1	a = 9", b = 3'-0"	271
	#4SW 1	4	664	4 '- 9 "	1	a = 9", b = 2'-0"	2107
	#5SW 2	5	36	55 '- 6 "	STR.		2084
	TOTAL EPOXY-COATED						48534
	TOTAL NON-EPOXY-COATED						22801

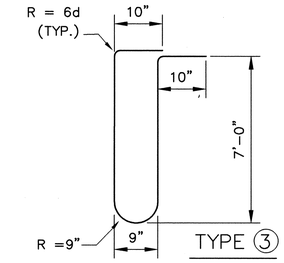
	MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
ABUTMENT 1	#4A 1	4	12	37 '- 0 "	STR.	NON-EPOXY	297
	#5A 2	5	296	6 '- 10 "	1	NON-EPOXY, a= 2'-10", b = 2'-0"	2110
	#8A 3	8	20	38 '- 0 "	STR.	NON-EPOXY	2029
	#4A 4	4	6	9 '- 7 "	1	NON-EPOXY, a=6'-7", b=1'-6"	38
	#4A 5	4	33	3 '- 9 "	1	NON-EPOXY, a=9", b=1'-6"	83
	TOTAL EPOXY-COATED						0
	TOTAL NON-EPOXY-COATED						4557

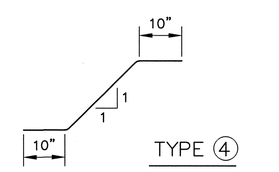
	MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
ABUTMENT 2	#4A 1	4	12	37 '- 0 "	STR.	NON-EPOXY	297
	#5A 2	5	296	6 '- 10 "	1	NON-EPOXY, a= 2'-10", b = 2'-0"	2110
	#8A 3	8	20	38 '- 0 "	STR.	NON-EPOXY	2029
	#6A 6	6	42	7 '- 0 "	4	NON-EPOXY, SEE DIAGRAM FOR DIMENSIONS	442
	TOTAL EPOXY-COATED						0
	TOTAL NON-EPOXY-COATED						4878

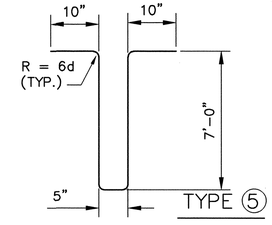
	MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
WINGWALLS	#4WW 1	4	25	10 '- 3 "	1	NON-EPOXY, a=9", b=6'-0"	171
	#4WW 2	4	25	VARIES	1	NON-EPOXY, a= 9", b= VARIES FROM 2'-10" TO 9'-8"	221
	#4WW 3	4	12	VARIES	STR.	NON-EPOXY	105
	#6WW 4	6	2	22 '- 1 "	6	NON-EPOXY	66
	TOTAL EPOXY-COATED						0
	TOTAL NON-EPOXY-COATED						563

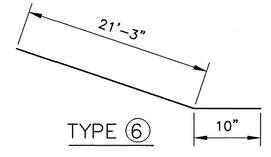


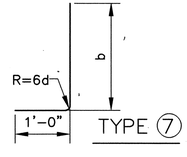












SEE REV.SHT.

NOTE: ALL BARS ARE EPOXY COATED UNLESS NOTED OTHERWISE.

AS-BUILT INFORMATION
CONTRACTOR: Sallis Bros. DATE: 1/06
WORK STAKED BY: SURVTEK DATE
INSPECTORS NOTIFICATIONS BY DATE
FIELD VERIFICATIONS BY DATE
DRAWINGS CORRECTED BY: Wilson+Co. DATE: 1/06
RECORDED BY DATE

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
REBAR DIAGRAMS AND SCHEDULE

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	9	12

WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 9- LAND B\Sht. 9-13- rebar diagrams and schedule.dwg

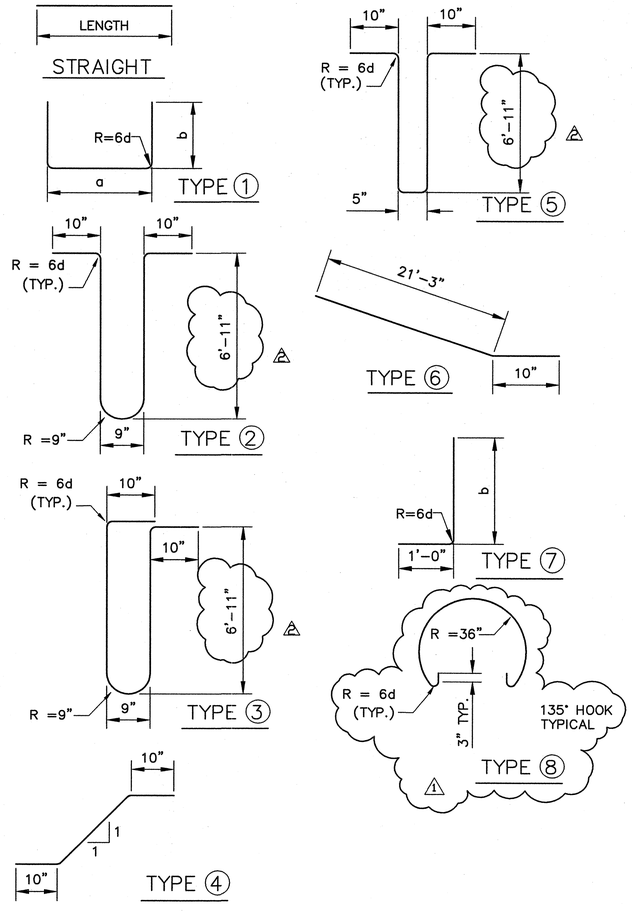
SUPERSTRUCTURE

MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
#4BT 1	4	282	29 '- 6 "	STR.	NON-EPOXY	5557
#5BL 2	5	40	31 '- 7 "	STR.	NON-EPOXY	1318
#5BL 3	5	80	60 '- 0 "	STR.	NON-EPOXY	5006
#5BX 4	5	32	4 '- 6 "	STR.	NON-EPOXY	150
#4WL 1	4	40	30 '- 11 "	STR.	NON-EPOXY	826
#4WL 2	4	80	60 '- 0 "	STR.	NON-EPOXY	3206
#8WL 3	8	24	51 '- 7 "	STR.	NON-EPOXY	3305
#5WS 4	5	184	15 '- 11 "	2	SEE DIAGRAM FOR DIMENSIONS	3055
#5WS 5	5	184	15 '- 11 "	3	SEE DIAGRAM FOR DIMENSIONS	3055
#5WX 6	5	64	4 '- 0 "	STR.	NON-EPOXY	267
#6WS 7	6	320	9 '- 9 "	1	a=9", b=4'-6"	4686
#4WS 8	4	80	7 '- 0 "	STR.	NON-EPOXY	374
#4TT 1	4	563	29 '- 6 "	STR.		11094
#4TL 2	4	144	60 '- 0 "	STR.		5772
#4TL 3	4	72	30 '- 11 "	STR.		1487
#6TL 4	6	4	32 '- 3 "	STR.		194
#6TL 5	6	8	60 '- 0 "	STR.		721
#5DC 1	5	24	16 '- 0 "	5	SEE DIAGRAM FOR DIMENSIONS	401
#5DC 2	5	14	29 '- 6 "	STR.	NON-EPOXY	431
#6DC 3	6	12	11 '- 3 "	1	NON-EPOXY, a=9'-3", b=1'-0"	203
#5DC 4	5	30	6 '- 0 "	STR.		188
#4D 1	4	56	29 '- 6 "	STR.		1104
#8D 2	8	24	29 '- 6 "	STR.		1890
#5D 3	5	216	12 '- 6 "	1	a=2'-6", b=5'-0"	2816
#4D 4	4				DELETED	0
#4D 5	4				DELETED	0
#4D 6	4	32	6 '- 8 "	STR.		143
#4D 7	4	128	6 '- 0 "	7	a=3'-0", b=3'-0"	513
#6D 8	6	44	12 '- 7 "	1	a=6'-7", b=3'-0"	832
#4EW 1	4	12	31 '- 0 "	1	a=29'-6", b=9",	248
#4EW 2	4	60	6 '- 9 "	1	a = 9", b = 3'-0"	271
			0 '- 0 "			
#4SW 1	4	600	5 '- 3 "	1	a = 9", b = 2'-3"	2104
#5SW 2	5	36	50 '- 7 "	STR.		1899
TOTAL EPOXY-COATED						42473
TOTAL NON-EPOXY-COATED						20643

	MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
ABUTMENT 1	#10DS 1	10	112	SEE NOTE 1	STR.	NON-EPOXY, AVG L = 18'-3 3/4", INCREMENT = 0'-6"	8829
	#4DS 2	4	120	7 '- 10 "	8	NON-EPOXY, SEE DIAGRAM FOR DIMENSIONS	628
	#5A 1	5	72	55 '- 3 "	STR.	NON-EPOXY	4149
	#5A 2	5	72	19 '- 3 "	STR.	NON-EPOXY	1446
	#5A 3	5	396	6 '- 3 "	1	NON-EPOXY, a= 3'-9", b = 1'-3"	2581
	#5A 4	5	288	16 '- 1 1 /4 " TO 20 '- 1 1 /2 "	STR.	NON-EPOXY, AVG L = 18'-1 1/2", INCREMENT = 0'-0 1/4"	5444
	#5A 5	5	72	6 '- 3 "	1	NON-EPOXY, a= 3'-9", b = 1'-3"	469
	#9A 6	9	12	56 '- 8 "	STR.	NON-EPOXY	2312
	#9A 7	9	12	20 '- 8 "	STR.	NON-EPOXY	843
	#5A 8	5	132	6 '- 11 1 /4 "	1	NON-EPOXY, a= 2'-1 1/4", b = 2'-5"	955
	#6A 9	6		0 '- 0 "	4	NOT USED	0
	TOTAL EPOXY-COATED						0
	TOTAL NON-EPOXY-COATED						27656

	MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
ABUTMENT 2	#10DS 1	10	112	SEE NOTE 1	STR.	NON-EPOXY, AVG L = 18'-0 1/4", INCREMENT = 0'-7"	8689
	#4DS 2	4	118	7 '- 10 "	8	NON-EPOXY, SEE DIAGRAM FOR DIMENSIONS	617
	#5A 1	5	72	55 '- 3 "	STR.	NON-EPOXY	4149
	#5A 2	5	72	19 '- 3 "	STR.	NON-EPOXY	1446
	#5A 3	5	396	6 '- 3 "	1	NON-EPOXY, a= 3'-9", b = 1'-3"	2581
	#5A 4	5	288	15 '- 4 1 /2 " TO 20 '- 1 1 /2 "	STR.	NON-EPOXY, AVG L = 18'-1 1/2", INCREMENT = 0'-0 1/4"	5332
	#5A 5	5	72	6 '- 3 "	1	NON-EPOXY, a= 3'-9", b = 1'-3"	469
	#9A 6	9	12	56 '- 8 "	STR.	NON-EPOXY	2312
	#9A 7	9	12	20 '- 8 "	STR.	NON-EPOXY	843
	#5A 8	5	132	6 '- 11 1 /4 "	1	NON-EPOXY, a= 2'-1 1/4", b = 2'-5"	955
	#6A 9	6	42	6 '- 11 "	4	a= 5'-3", b = 0'-10"	436
	TOTAL EPOXY-COATED						436
	TOTAL NON-EPOXY-COATED						27393

	MARK	SIZE	NO. REQ'D	LENGTH	TYPE	REMARKS	QUAN.
WINGWALLS (EACH)	#4WW 1	4	25	10 '- 3 "	1	a=9", b=6'-0"	171
	#4WW 2	4	25	VARIES	1	a= 9", b= VARIES FROM 2'-10" TO 9'-8"	221
	#4WW 3	4	12	VARIES	STR.		105
	#6WW 4	6	2	22 '- 1 "	6		66
	TOTAL EPOXY-COATED						563
	TOTAL NON-EPOXY-COATED						0



NOTES:

1. FOURTEEN (14) BARS AT EACH INCREMENT PER ABUTMENT.
2. WHERE BAR LAP LENGTHS ARE NOT SHOWN IN THE PLANS USE THE FOLLOWING MINIMUM LAP LENGTHS:

   #4 BAR: 1'-4"
   #5 BAR: 1'-8"
   #6 BAR: 2'-0"
   #8 BAR: 3'-3"

NOTE: ALL BARS ARE EPOXY COATED UNLESS NOTED OTHERWISE.

AS-BUILT INFORMATION
CONTRACTOR Sais Bros. DATE 1/08
ENGINEER/SURVEYOR Survtek DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD REPRODUCTION BY
DRAWING CORRECTED BY Wilson+Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.
ELEVATION =
5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED 'ACS 1-C11 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHELOE, NEW MEXICO, 14368, REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

WILSON & COMPANY, ENGINEERS & ARCHITECTS

REVISIONS

NO.	DATE	REMARKS	DRAWN BY	CHECKED BY
1	JULY '06	DIMENSIONAL REVISION	CRH	CRH
2	MAY '06	BRIDGE REDESIGN	CRH	BY
	DATE	REMARKS	DATE OCT 13, 2004	
			DATE 2004	
			DATE 2004	
			DATE 2004	

DESIGNED BY GWK
DRAWN BY CRH
CHECKED BY SFP

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
REBAR DIAGRAMS AND SCHEDULE

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	9-12	

WILSON & COMPANY

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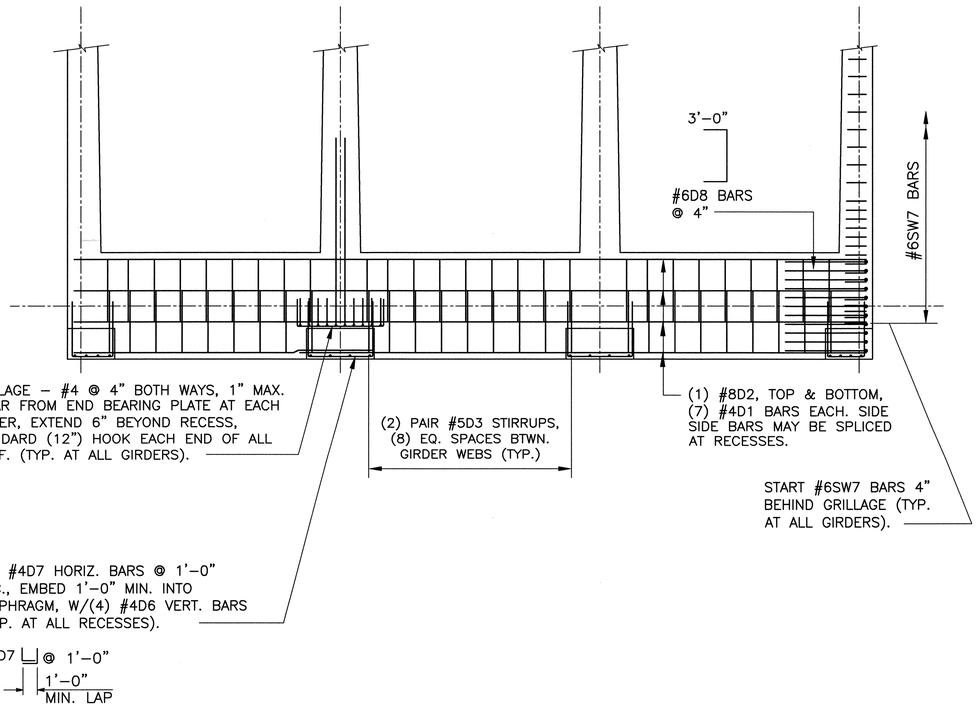
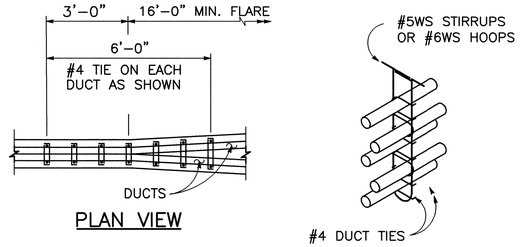


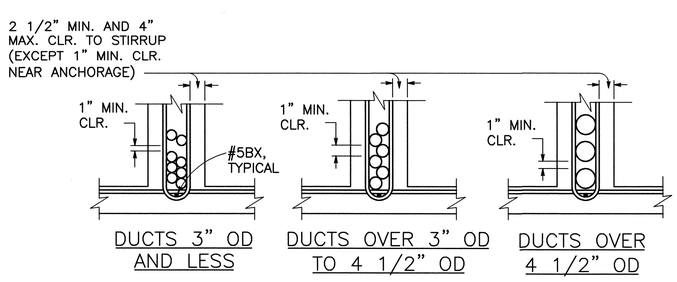
SECTION A–A



PLAN VIEW

NOTE:
PLACE CLOSED END OF DUCT TIES IN DIRECTION OF FLARE

STIRRUP REINFORCEMENT AT FLARE OF GIRDER STEM



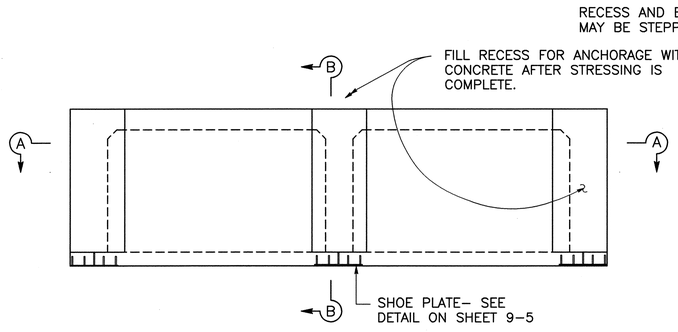
DUCTS 3" OD AND LESS | DUCTS OVER 3" OD TO 4 1/2" OD | DUCTS OVER 4 1/2" OD

NOTE:
DEVIATION FROM THESE DETAILS REQUIRES PROJECT ENGINEER'S APPROVAL.

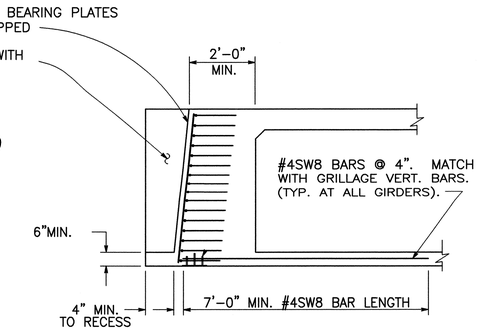
CLEARANCE REQUIREMENTS FOR DUCTS

PRESTRESSING NOTES

1. DESIGN BASED ON 270 KSI LOW RELAXATION STRAND AND THE FOLLOWING CONCRETE STRENGTHS:
   F'_c = 5500 PSI AT 28 DAYS
   F'_{ci} = 4500 PSI AT TIME OF STRESSING
2. P_{JACK} = 13,580 K
3. DESIGN BASED ON MAXIMUM ANCHOR SET = 3/8".
4. TOTAL NUMBER OF GIRDERS = 4.
5. DISTRIBUTION OF PRESTRESS FORCE (P_{JACK}) BETWEEN DUCTS IS LIMITED TO A MAXIMUM RATIO OF 3:2.
   MAXIMUM FINAL FORCE VARIATION BETWEEN DUCTS IS LIMITED TO A MAXIMUM OF 725 K.
6. MODULUS USED FOR P/S STEEL = 27,500 KSI.
7. CENTER OF GRAVITY OF PRESTRESSING PATH MAY BE ADJUSTED +/– 6" AT END ANCHORS.
8. SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT X = 0.XXX TIMES JACKING STRESS.
9. PERFORM ONE END STRESSING FROM EITHER END.
10. STRESSING SEQUENCE:
    DO NOT APPLY MORE THAN 1/2 OF THE PRESTRESSING FORCE TO ANY GIRDER BEFORE AN EQUAL FORCE IS APPLIED TO THE ADJACENT GIRDERS. DO NOT EXCEED A MAXIMUM FORCE VARIATION BETWEEN GIRDERS EQUAL TO THE PRESTRESSING FORCE OF THE LARGEST TENDON USED IN ALL GIRDERS. DO NOT EXCEED AN ECCENTRIC PRESTRESSING FORCE, ABOUT STRUCTURE CENTERLINE, OF 1/6 OF TOTAL PRESTRESSING FORCE.
11. FLARE GIRDER STEMS NEAR ANCHORAGES AS REQUIRED TO PROVIDE CLEARANCES FOR THE SELECTED POST–TENSIONING SYSTEM. FLARE EXTERIOR GIRDERS TO 18 INCHES MINIMUM.
12. PLACE DUCT TIES, AS SHOWN FOR FLARED GIRDER STEM, AT EACH LOCATION WHERE DUCTS CHANGE HORIZONTAL DIRECTION.
13. ADJUST BAR REINFORCEMENT THAT INTERFERS WITH THE PRESTRESSING TENDON ALIGNMENT. OBTAIN PROJECT ENGINEER'S APPROVAL.
14. SUBMIT WORKING DRAWINGS FOR THE PROJECT ENGINEER'S APPROVAL. INCLUDE ANY ADDITIONS OR REARRANGEMENTS OF REINFORCING STEEL FROM THAT SHOWN ON THE PLANS. PROVIDE SUFFICIENT NUMBER OF POINTS ON THE WORKING DRAWINGS TO ENSURE ACCURATE DUCT PLACEMENT.
15. REINFORCING QUANTITY AT END ANCHORS IS APPROXIMATE AND SUBJECT TO CHANGE BASED ON SELECTED POST–TENSIONING SYSTEM.
16. THE COST OF ADDITIONAL REINFORCEMENT REQUIRED FOR PRESTRESS RECESSES AND ASSOCIATED LABOR IS INCIDENTAL TO PRESTRESSING.

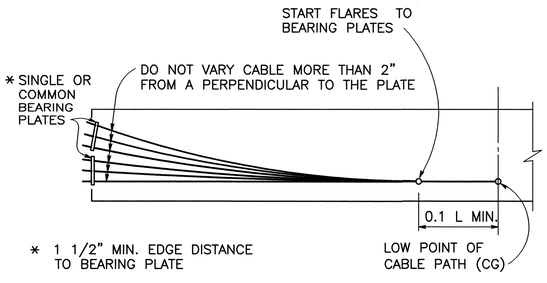


END ELEVATION



SECTION B–B

PRESTRESS ANCHORAGE DETAILS



BEARING PLATE PRESTRESSING PATH

SEE REV. SHT.

AS–BUILT INFORMATION
CONTRACTOR Sais Bros. DATE 1/08
WORK STAKED BY Surv-Tek DATE
AS-BUILTS BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson & Co: DATE 1/08
RECORDED BY DATE

BENCH MARKS
THE STA. IS A 3 1/4" ALUMINUM CAP STAMPED 'ACS 1-C11 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I–40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.–N.W. & GO 0.1 MI. TO RIDGEWAY DR. THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER–1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
GARY W. KINCHEN, NEW MEXICO, 14366, REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS REVISIONS	BY
		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
		DESIGNED BY GWK DATE OCT 13, 2004	
		DRAWN BY CRH DATE 2004	
		CHECKED BY SFP DATE 2004	

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
PRESTRESSING AND END ANCHORAGE DETAILS

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C–11 | Sheet 9–13 Of

WILSON & COMPANY

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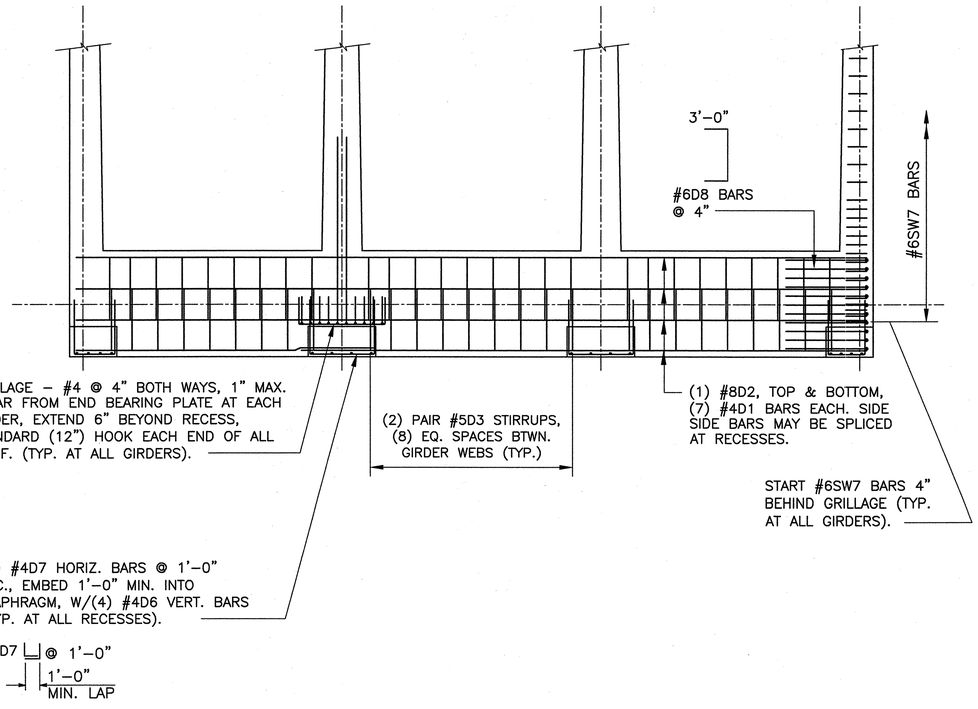
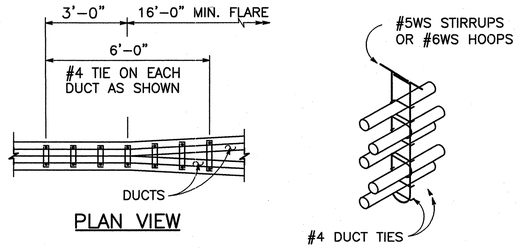


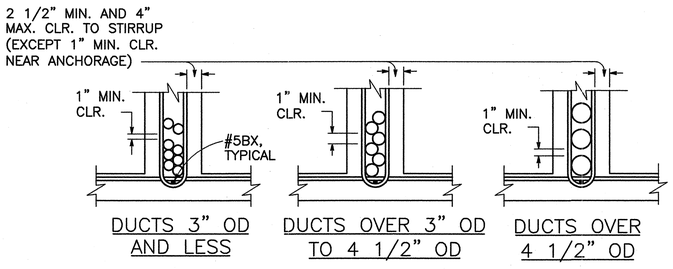
SECTION A–A



PLAN VIEW

NOTE:
PLACE CLOSED END OF DUCT TIES IN DIRECTION OF FLARE

STIRRUP REINFORCEMENT AT FLARE OF GIRDER STEM



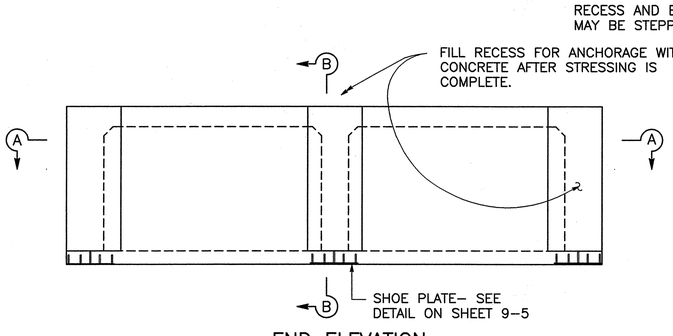
DUCTS 3" OD AND LESS | DUCTS OVER 3" OD TO 4 1/2" OD | DUCTS OVER 4 1/2" OD

NOTE:
DEVIATION FROM THESE DETAILS REQUIRES PROJECT ENGINEER'S APPROVAL.

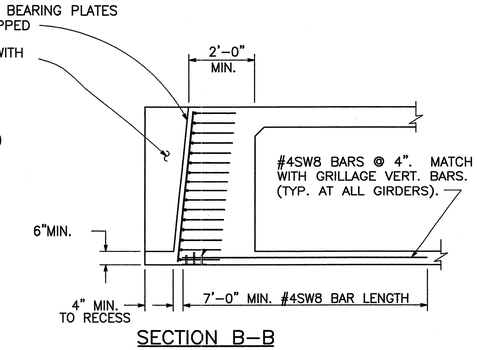
CLEARANCE REQUIREMENTS FOR DUCTS

PRESTRESSING NOTES

1. DESIGN BASED ON 270 KSI LOW RELAXATION STRAND AND THE FOLLOWING CONCRETE STRENGTHS:
   F'_c = 5500 PSI AT 28 DAYS
   F'_{ci} = 4500 PSI AT TIME OF STRESSING
2. P_{JACK} = 8,430 K
3. DESIGN BASED ON MAXIMUM ANCHOR SET = 3/8".
4. TOTAL NUMBER OF GIRDERS = 4.
5. DISTRIBUTION OF PRESTRESS FORCE (P_{JACK}) BETWEEN DUCTS IS LIMITED TO A MAXIMUM RATIO OF 3:2.
   MAXIMUM FINAL FORCE VARIATION BETWEEN DUCTS IS LIMITED TO A MAXIMUM OF 725 K.
6. MODULUS USED FOR P/S STEEL = 27,500 KSI.
7. CENTER OF GRAVITY OF PRESTRESSING PATH MAY BE ADJUSTED +/– 6" AT END ANCHORS.
8. SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT 133 FT. FROM STRESSING END (POINT OF NO PATH MOVEMENT) = 0.968 x JACKING STRESS.
9. ~~PERFORM ONE END STRESSING FROM EITHER END.~~
10. STRESSING SEQUENCE:
    DO NOT APPLY MORE THAN 1/2 OF THE PRESTRESSING FORCE TO ANY GIRDER BEFORE AN EQUAL FORCE IS APPLIED TO THE ADJACENT GIRDERS. DO NOT EXCEED A MAXIMUM FORCE VARIATION BETWEEN GIRDERS EQUAL TO THE PRESTRESSING FORCE OF THE LARGEST TENDON USED IN ALL GIRDERS. DO NOT EXCEED AN ECCENTRIC PRESTRESSING FORCE, ABOUT STRUCTURE CENTERLINE, OF 1/6 OF TOTAL PRESTRESSING FORCE.
11. FLARE GIRDER STEMS NEAR ANCHORAGES AS REQUIRED TO PROVIDE CLEARANCES FOR THE SELECTED POST–TENSIONING SYSTEM. FLARE EXTERIOR GIRDERS TO 18 INCHES MINIMUM.
12. PLACE DUCT TIES, AS SHOWN FOR FLARED GIRDER STEM, AT EACH LOCATION WHERE DUCTS CHANGE HORIZONTAL DIRECTION.
13. ADJUST BAR REINFORCEMENT THAT INTERFERS WITH THE PRESTRESSING TENDON ALIGNMENT. OBTAIN PROJECT ENGINEER'S APPROVAL.
14. SUBMIT WORKING DRAWINGS FOR THE PROJECT ENGINEER'S APPROVAL. INCLUDE ANY ADDITIONS OR REARRANGEMENTS OF REINFORCING STEEL FROM THAT SHOWN ON THE PLANS. PROVIDE SUFFICIENT NUMBER OF POINTS ON THE WORKING DRAWINGS TO ENSURE ACCURATE DUCT PLACEMENT.
15. REINFORCING QUANTITY AT END ANCHORS IS APPROXIMATE AND SUBJECT TO CHANGE BASED ON SELECTED POST–TENSIONING SYSTEM.
16. THE COST OF ADDITIONAL REINFORCEMENT REQUIRED FOR PRESTRESS RECESSES AND ASSOCIATED LABOR IS INCIDENTAL TO PRESTRESSING.

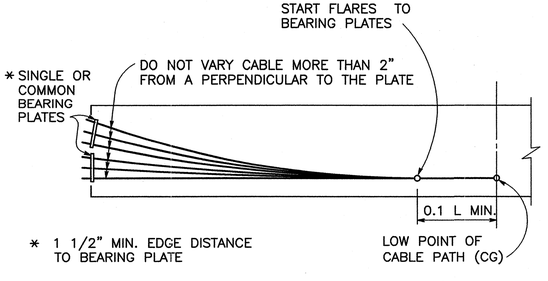


END ELEVATION



SECTION B–B

PRESTRESS ANCHORAGE DETAILS



BEARING PLATE PRESTRESSING PATH

AS-BUILT INFORMATION
CONTRACTOR: Sais Bros. DATE 1/08
WORK STAKED BY: SURVTEK DATE
INSPECTOR'S ACCEPTANCE BY: DATE
FIELD VERIFICATION BY: DATE
MARKINGS CORRECTED BY: KINGTON CO. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.:
ELEVATION =

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I–40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.–N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. 5275.14 FT. (2ND ORDER–1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14368 REGISTERED PROFESSIONAL ENGINEER
DECEMBER 02, 2005

REVISIONS

NO.	DATE	REMARKS	BY
1	JULY '06	DIMENSIONAL REVISION	CRH
2	MAY '06	BRIDGE REDESIGN	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SPP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
PRESTRESSING AND END ANCHORAGE DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C–11 | Sheet 9 Of 13

WILSON & COMPANY

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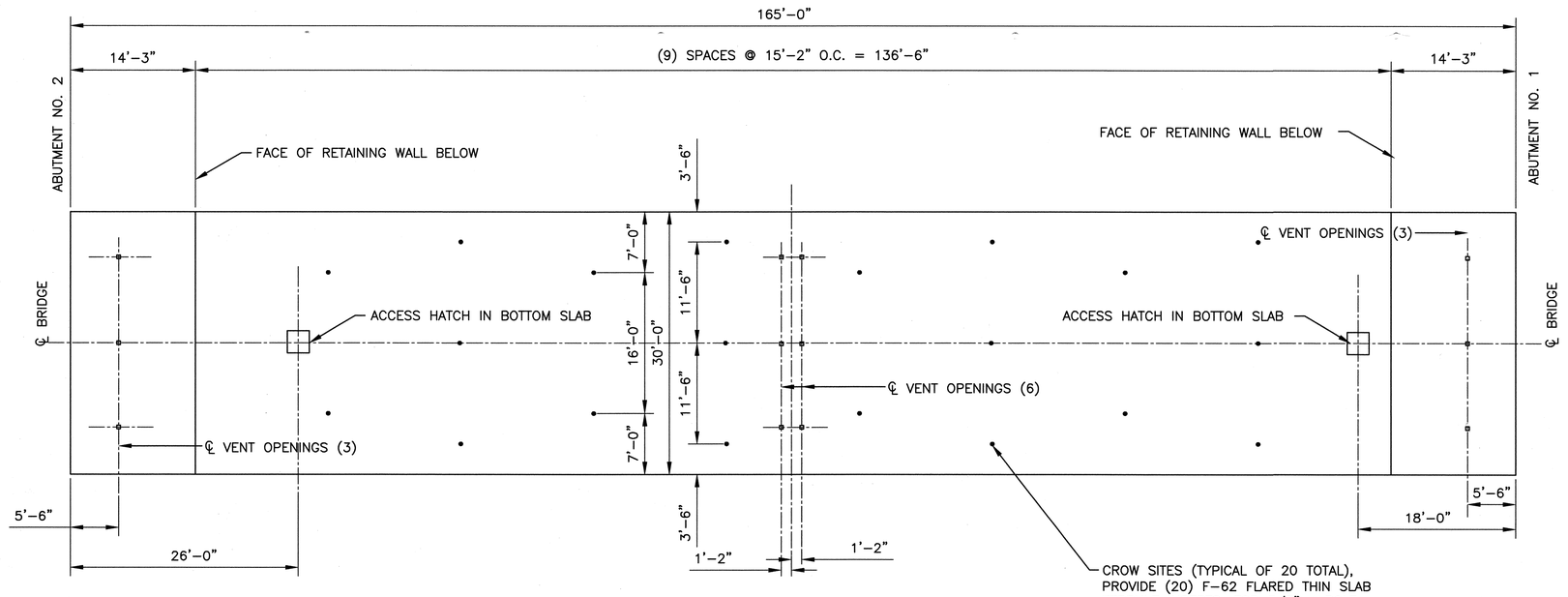
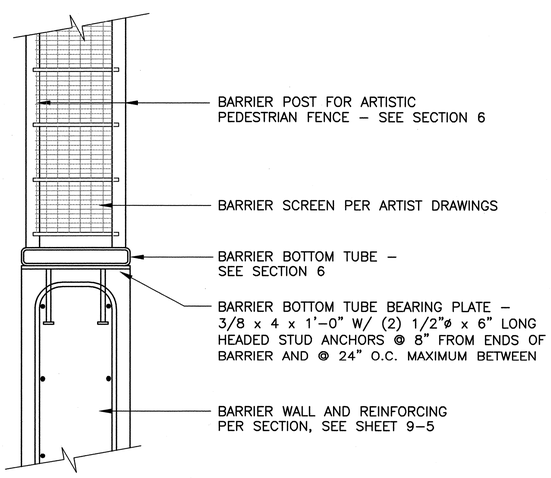


BOTTOM OF BRIDGE DECK PLAN

SCALE 1/16" = 1'-0"



BARRIER FIELD CONNECTION SECTION

SCALE 1 1/2" = 1'-0"

GENERAL NOTES:

1. REFER TO SECTION 6 OF PLANS FOR DETAILS OF ARTISTIC PEDESTRIAN FENCE AND CROW INSERTS.
2. INSERTS FOR CROW SITES AND BARRIER BEARING PLATE, AND ALL ASSOCIATED LABOR AND MATERIALS ARE INCIDENTAL TO THE CONSTRUCTION.

SEE REV. SHT.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS

THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED 'ACS 1-C11' 1986' SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION

CONTRACTOR Salls Bros. DATE 1/08
STAKED BY: Surveyed DATE
INSPECTOR'S NOTATIONS DATE
FIELD VERIFICATION BY DATE
PLANS MARKED BY Wilson & Co DATE 1/08
CORRECTED BY MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER

DECEMBER 02, 2005

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GMK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

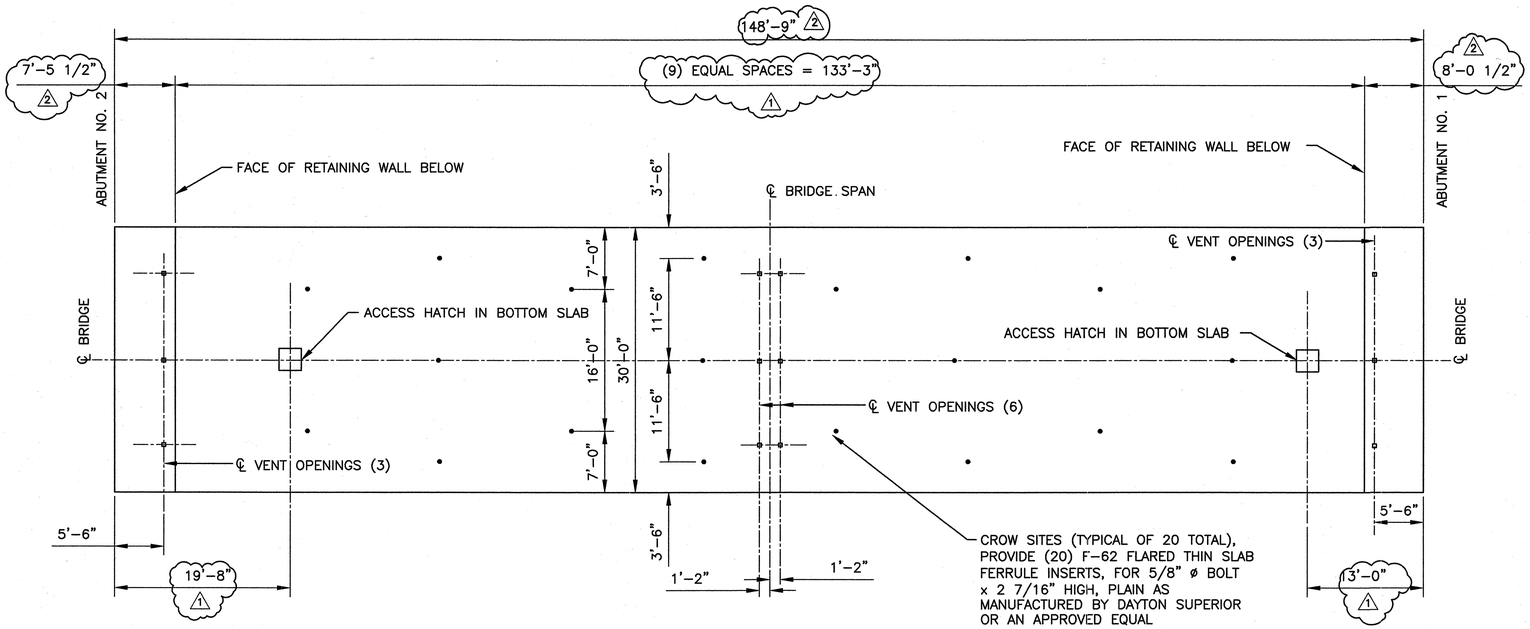
PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
ARTISTIC CONNECTION DETAILS

Design Review Committee: APPROVED DEC 15 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED DEC 15 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr. Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 9 Of 14

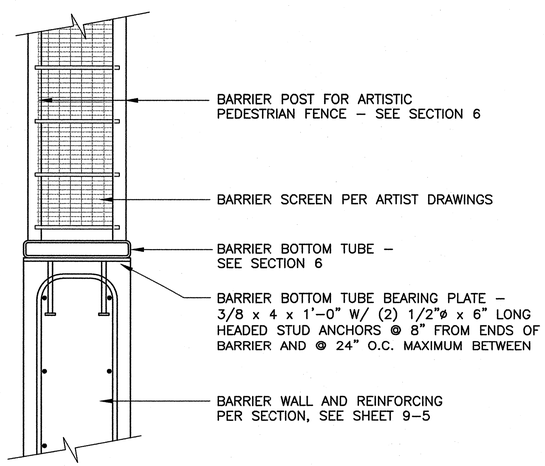
WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 9- LAND B\Sht 9-14 - artistic conection details.dwg 2/23/2005 3:57:05 PM MST



BOTTOM OF BRIDGE DECK PLAN

SCALE 1/16" = 1'-0"



BARRIER FIELD CONNECTION SECTION

SCALE 1 1/2" = 1'-0"

GENERAL NOTES:

1. REFER TO SECTION 6 OF PLANS FOR DETAILS OF ARTISTIC PEDESTRIAN FENCE AND CROW INSERTS.
2. INSERTS FOR CROW SITES AND BARRIER BEARING PLATE, AND ALL ASSOCIATED LABOR AND MATERIALS ARE INCIDENTAL TO THE CONSTRUCTION.

AS-BUILT INFORMATION
CONTRACTOR: Solis Bros. DATE: 1/08
STAKED BY: Sunrise DATE
INSPECTOR'S SIGNATURE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY: Wilson+Co. DATE: 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.
ELEVATION =

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SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 PROFESSIONAL ENGINEER
DECEMBER 02, 2005

REVISIONS
NO. | DATE | REMARKS | BY
1 | JULY '06 | DIMENSIONAL REVISION | CRH
2 | MAY '06 | BRIDGE REDESIGN | CRH

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
ARTISTIC CONNECTION DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 9-14 Of

WILSON & COMPANY

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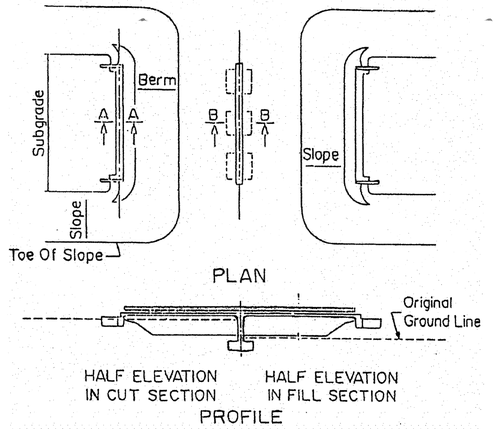
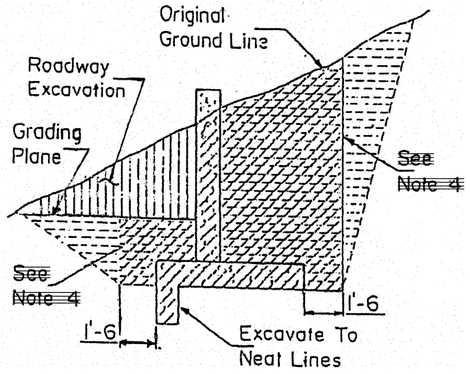
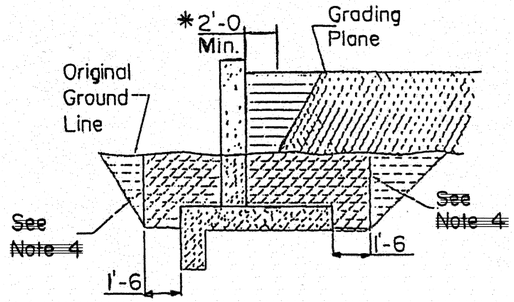


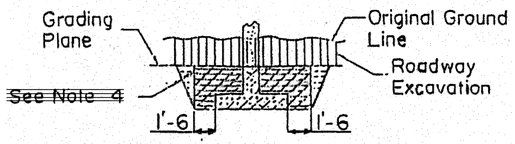




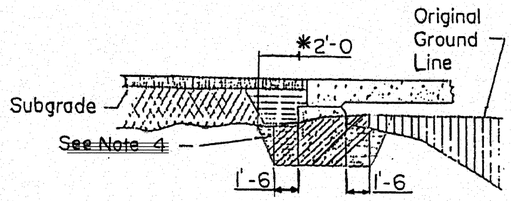
RETAINING WALLS

GENERAL NOTES:

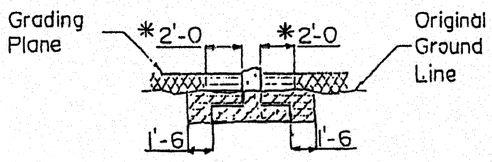
1. CONSTRUCT EARTHWORK IN ACCORDANCE WITH SUPPLEMENTAL TECHNICAL SPECIFICATION 555.
2. COMPACT ROADWAY EMBANKMENT 10' (MIN.) ABOVE BOTTOM OF ABUTMENT. DELAY EXCAVATION TO BOTTOM OF ABUTMENT ELEVATION UNTIL ABUTMENT FORMS AND CONCRETE ARE READY TO BE PLACED.
3. ALL DETAILS ARE SHOWN WITH THE ROADWAY EMBANKMENT PLACED FIRST AND THE STRUCTURAL BACKFILL MATERIAL PLACED ON TOP OF IT. USE THIS PLACEMENT ORDER SO THE STRUCTURAL BACKFILL IS COMPACTED TO THE MAXIMUM DENSITY REQUIRED. DO NOT PLACE EMBANKMENT MATERIAL WITHIN 2'-0 OF THE CONCRETE STRUCTURE.
4. PERFORM ALL EXCAVATIONS AND CUTS IN ACCORDANCE WITH OSHA STANDARDS.
5. THE GRADING PLANE IS THE SURFACE TO WHICH PRECISE GRADING IS FINISHED SUCH AS SUBGRADE UNDER THE TEMPLATE SECTION OF A ROAD, ROADWAY SIDE SLOPES, DITCHES ADJACENT TO PIERS, DITCH SLOPES AT WINGWALLS, SUBGRADE UNDER ABUTMENTS AND RETAINING WALLS.



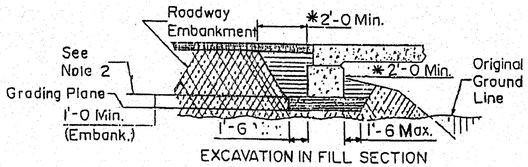
IN CUT SECTION
SECTION B-B



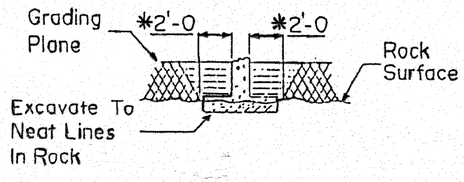
EXCAVATION NORMAL
SECTION A-A



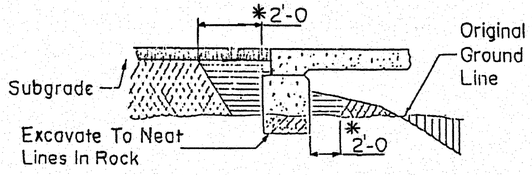
IN FILL SECTION
SECTION B-B



EXCAVATION IN FILL SECTION
SECTION A-A



EXCAVATION IN ROCK
SECTION B-B



EXCAVATION IN ROCK
SECTION A-A

AS-BUILT INFORMATION
CONTRACTOR: Solis Bros. DATE: 1/08
WORK STAKED BY: Surveic DATE:
INSPECTOR'S NOTES: DATE:
FIELD CORRECTION BY: DATE:
DRAWINGS CORRECTED BY: Wilson+Co DATE: 1/08
MICRO-FILM INFORMATION
RECORDED BY: DATE:
NO.:

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11" 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
GARY W. KINCHEEN
NEW MEXICO
14366
REGISTERED PROFESSIONAL ENGINEER
02-24-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
EXCAVATION AND BACKFILL FOR BRIDGES AND WALLS

Design Review Committee: APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED NOV 21 2005 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. COA 705002 | Zone Map No. C-11 | Sheet 9 Of 15

WILSON & COMPANY

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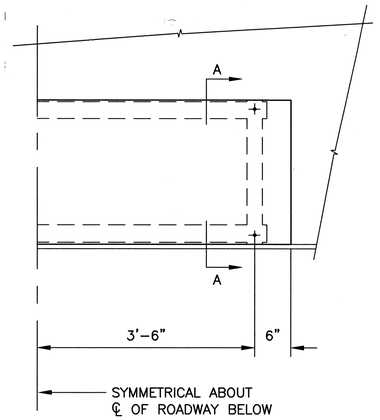
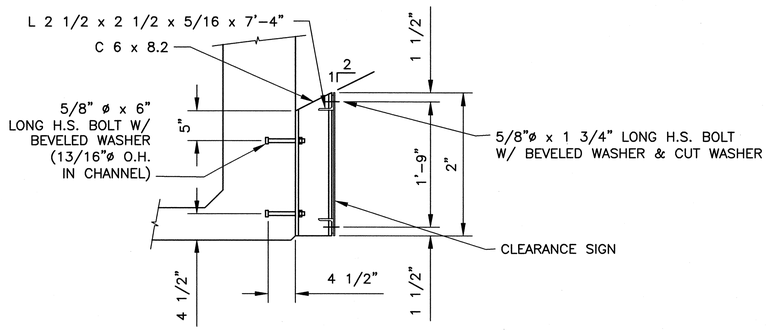
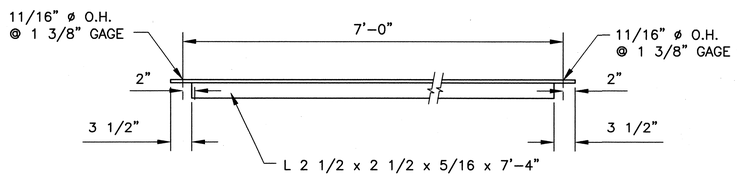


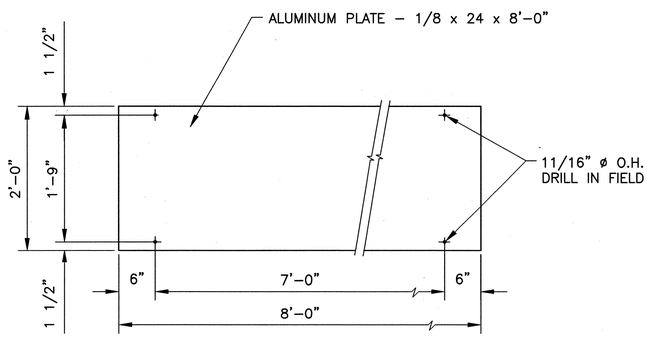
HALF ELEVATION



SECTION A–A



BACK SUPPORT



ALUMINUM CLEARANCE SIGN

STRUCTURAL STEEL REQUIRED FOR ONE SIGN SUPPORT

ITEM	EST. WT.
(2) C6 x 8.2 x 2'–0" (2) L 2 1/2 x 2 1/2 x 5/16 x 7'–4" (4) 5/8" ø x 6" LONG H.S. BOLT W/ BEVELED WASHER (4) 5/8" ø x 1 3/4" LONG H.S. BOLT W/ BEVELED WASHER & CUT WASHER	106 LBS.

GENERAL NOTES:

1. INSTALL SIGN AT LOCATIONS SHOWN ON SHEET 9–3 AND PARALLEL TO BRIDGE GRADE.
2. DETERMINE CLEARANCE DIMENSIONS BY FIELD MEASUREMENTS AFTER COMPLETING PAVEMENTS AND STRUCTURE.
3. CLEARANCE SIGN: ALUMINUM 6061–T6.
4. STRUCTURAL STEEL: AASHTO M–183, PAINTED IN ACCORDANCE WITH SECTION 157 OF THE SPECIFICATIONS.
5. BOLTS: ASTM A 307 HEX HEAD, SUPPLIED WITH ONE CUT WASHER AND NUT UNLESS OTHERWISE NOTED. HOT DIP GALVANIZE ALL BOLTS, NUTS AND WASHERS.
6. HOLES IN ANGLES AND CHANNELS MAY BE PUNCHED TO THE FULL SIZE SHOWN IN THE DETAILS. REMOVE BURRS AFTER PUNCHING.
7. BOTTOM OF SIGN MUST NOT ENCROACH INTO THE VERTICAL CLEARANCE.
8. COST OF OVERHEAD CLEARANCE SIGN, SUPPORTS AND INSTALLATION IS INCIDENTAL TO THE CONSTRUCTION.

AS–BUILT INFORMATION
CONTRACTOR Solis Bros. DATE 1/08
WORK STAKED BY SurveTec
WORK ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY Wilson & Co. DATE 1/09
MICRO–FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
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SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
GARY W. KINCHEN NEW MEXICO 14366 REGISTERED PROFESSIONAL ENGINEER
11-21-05

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY GWK DATE OCT 13, 2004
DRAWN BY CRH DATE 2004
CHECKED BY SFP DATE 2004

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
STA. 33+85.00 BRIDGE
OVERHEAD CLEARANCE SIGN SUPPORT

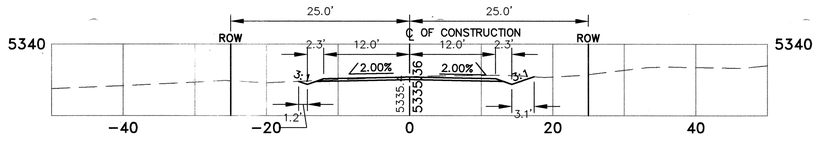
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED NOV 21 2005 DESIGN REVIEW COMMITTEE	APPROVED NOV 21 2005 CITY ENGINEER			

City Project No. COA 705002 | Zone Map No. C–11 | Sheet 9–16 Of

WILSON & COMPANY

X:\Public\PROJECTS\X3022\Structures\SECTION 9– LAND B\Sht 9–X – overhead clearance sign.dwg

13+00



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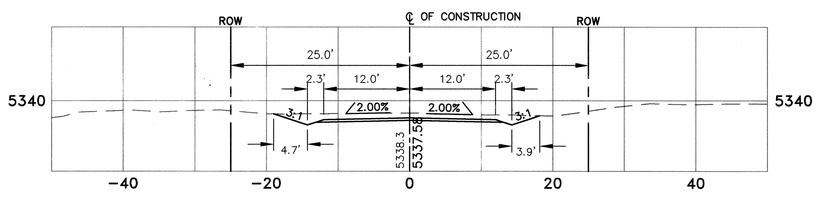

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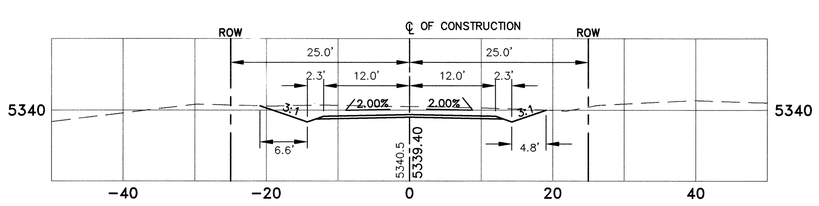

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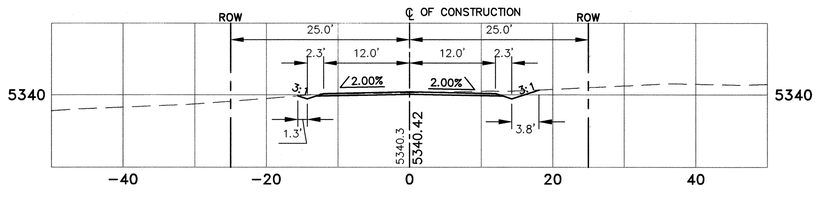

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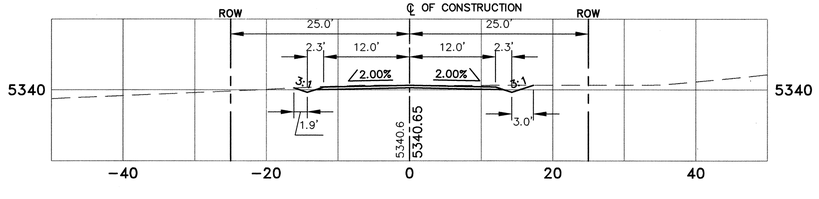

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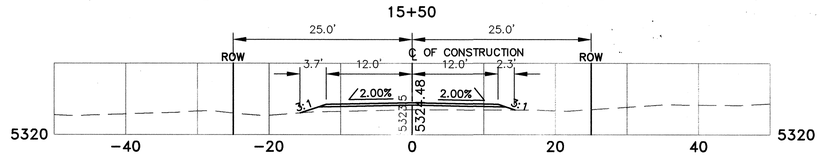

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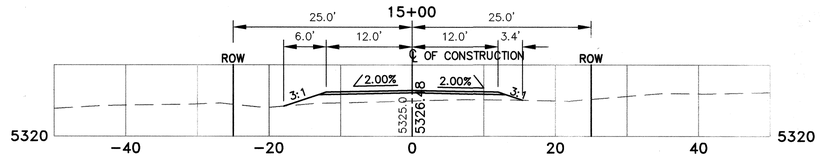

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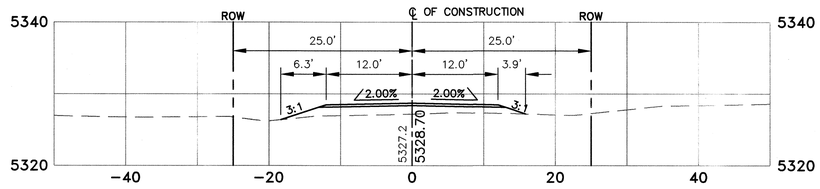

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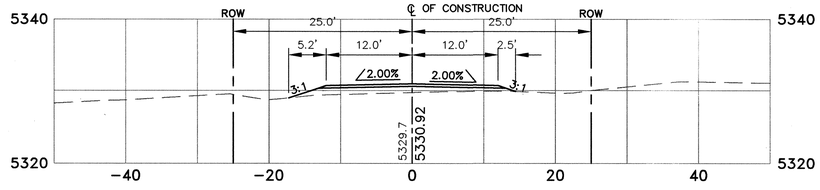

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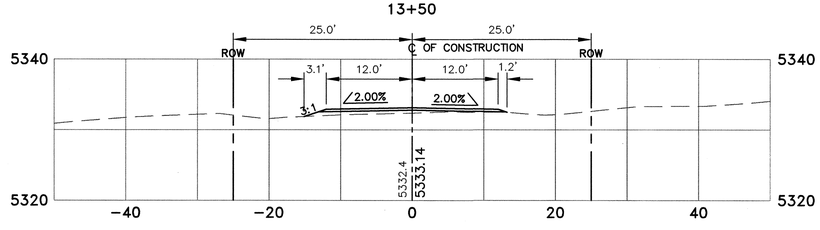

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
THE STA. IS A 3 ¼" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT.
ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

AS-BUILT INFORMATION
CONTRACTOR Sails Bros. DATE 1/08
WORK PERFORMED BY Survtek
INSPECTOR'S REMARKS BY
DATE
FIELD VERIFICATION BY
DATE
DRAWING CORRECTED BY Wilson+Co. DATE 1/08
RECORDED BY MICRO-FILM INFORMATION
DATE
NO.

ENGINEER'S SEAL

FOR INFORMATION ONLY

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY RP DATE FEB 2005
DRAWN BY STAFF DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	10-1	

WILSON & COMPANY

Sheet Of

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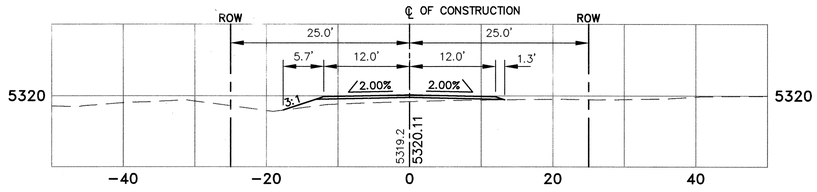

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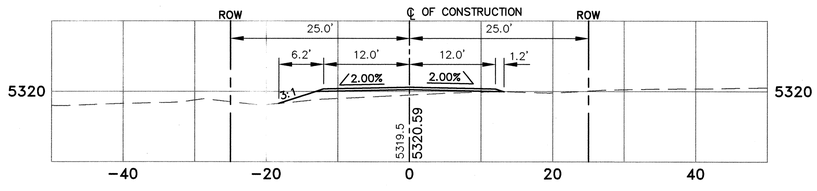

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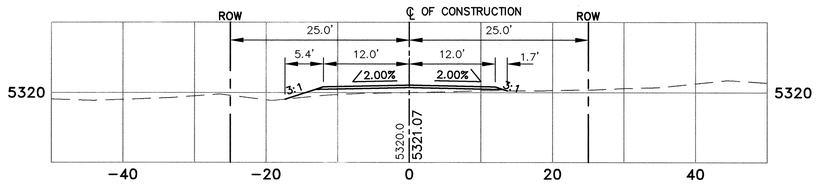

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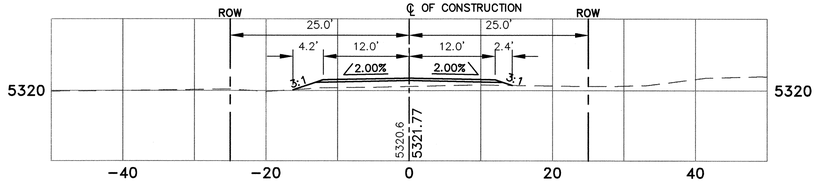

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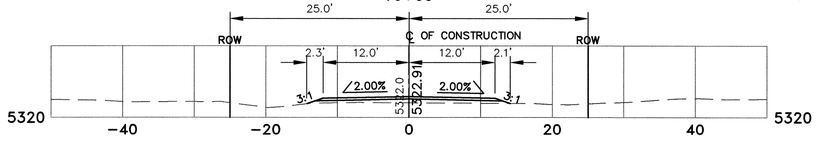

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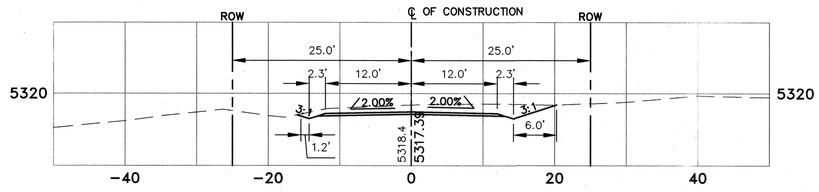

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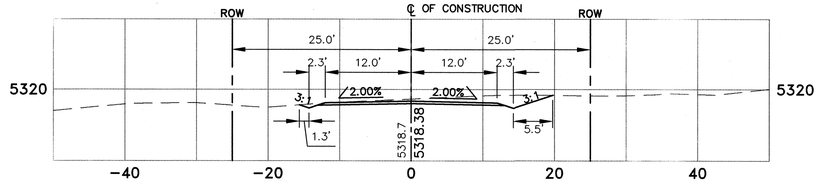

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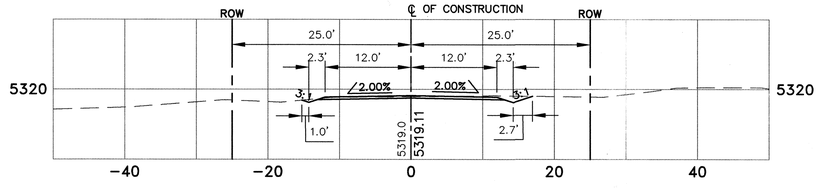

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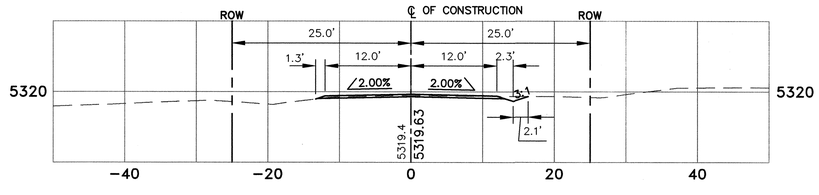

AS-BUILT INFORMATION

CONTRACTOR: Sais Bros. DATE: 1/06

WORKS BY SURVEYOR'S ASSISTANCE BY: Survtech DATE:

INSPECTOR'S ASSISTANCE BY: DATE:

FIELD VERIFICATION BY: DATE:

DRAWING CORRECTED BY: Wilson + Co DATE: 1/06

BENCH MARKS

THE STA. IS A 3" ALUMINUM CAP STAMPED "ACS 1-C11" 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

MICRO-FILM INFORMATION

RECORDED BY: DATE:

NO.:

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

FOR INFORMATION ONLY

NO.	DATE	REMARKS / REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	RP	DATE FEB 2005
DRAWN BY	STAFF	DATE FEB 2005
CHECKED BY	SPP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	10-2	

WILSON & COMPANY

Sheet Of

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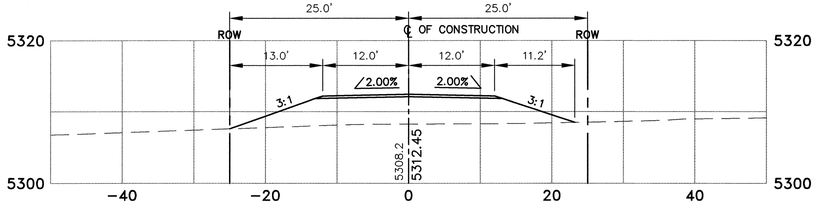

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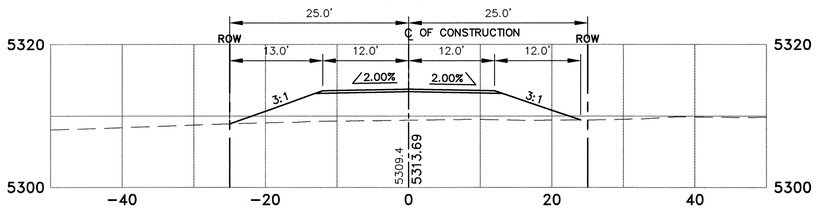

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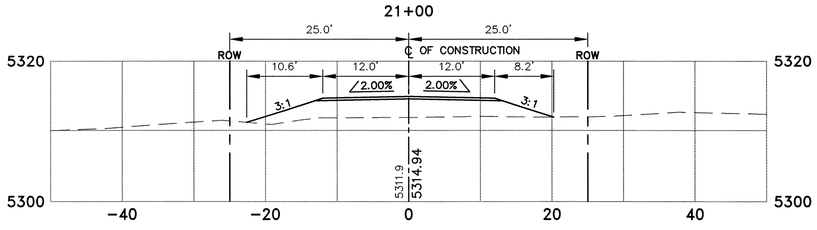

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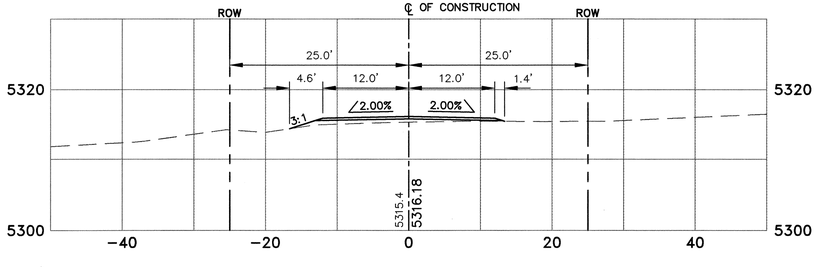

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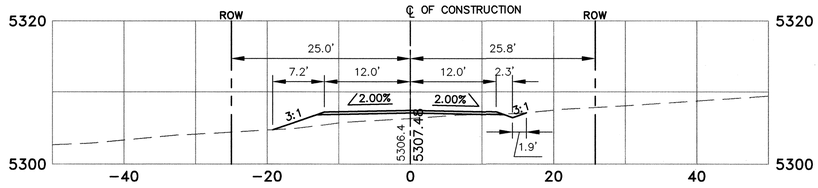

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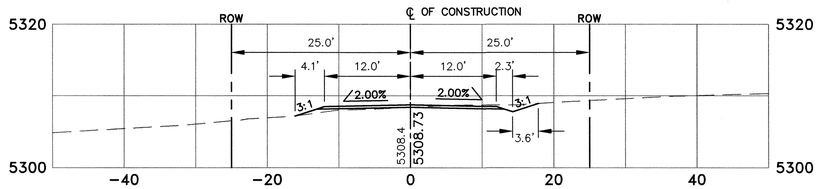

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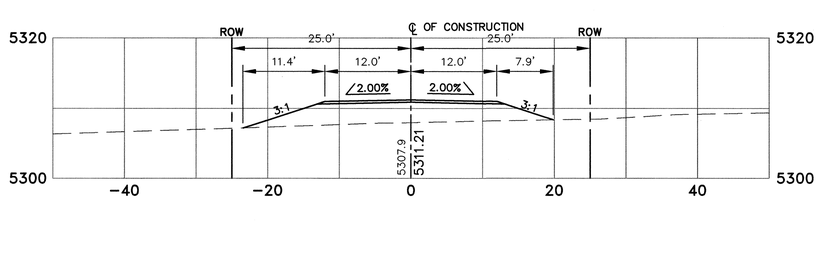

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

BENCH MARKS

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AS-BUILT INFORMATION

CONTRACTOR Sais Bros. DATE 1/08
WORK STAKED BY Surv-Tek
INSPECTOR'S ASBUILT MARKS BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson + Co. DATE 1/08

MICRO-FILM INFORMATION

RECORDED BY DATE
NO.

ENGINEER'S SEAL

FOR INFORMATION ONLY

NO.	DATE	REMARKS

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	RP	DATE FEB 2005
DRAWN BY	STAFF	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	10-3	

WILSON & COMPANY

Sheet Of

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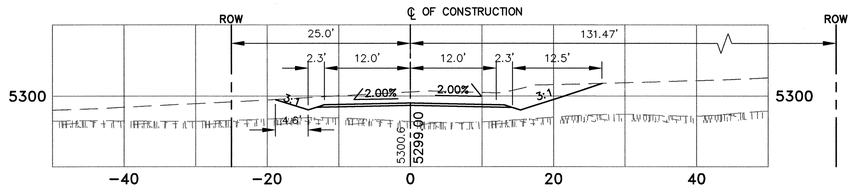

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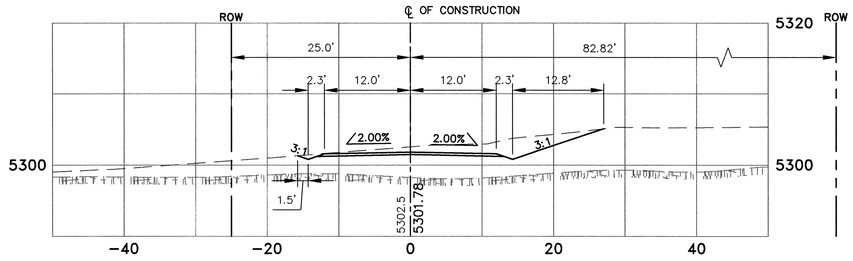

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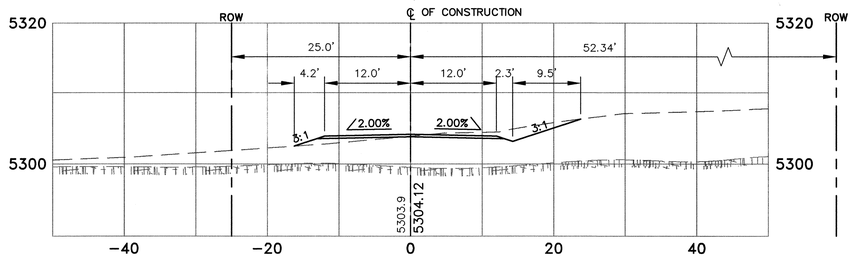

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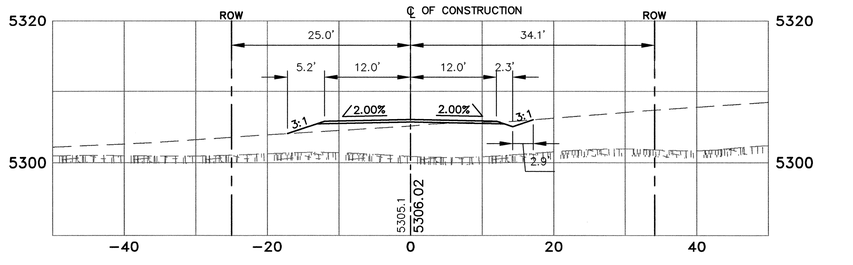
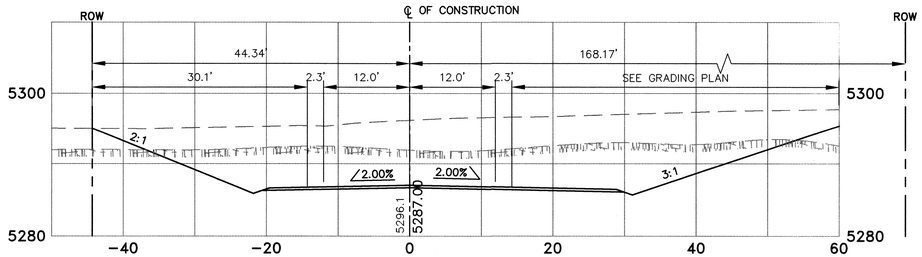


LEGEND

TOP OF BASALT

BOTTOM OF BASALT

28+00



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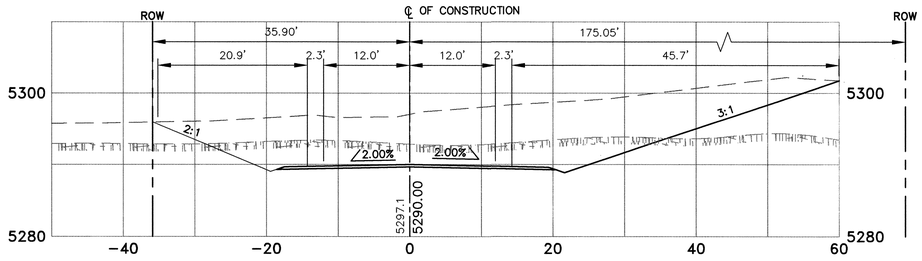

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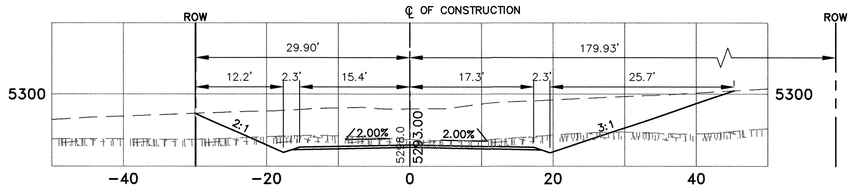

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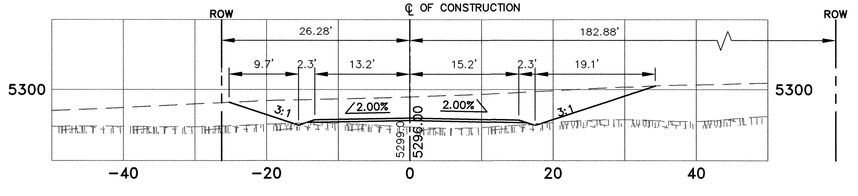

AS-BUILT INFORMATION

CONTRACTOR Sais Bros. DATE 1/08

WORK INSPECTED BY Surveyor

INSPECTOR'S COMMENTS BY DATE

FIELD VERIFICATION BY DATE

DRAWING CORRECTED BY Wilson & Co DATE 1/08

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

FOR INFORMATION ONLY

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	RP	DATE FEB 2005
DRAWN BY	STAFF	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	10-4	

Sheet Of

WILSON & COMPANY

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LEGEND

TOP OF BASALT

BOTTOM OF BASALT

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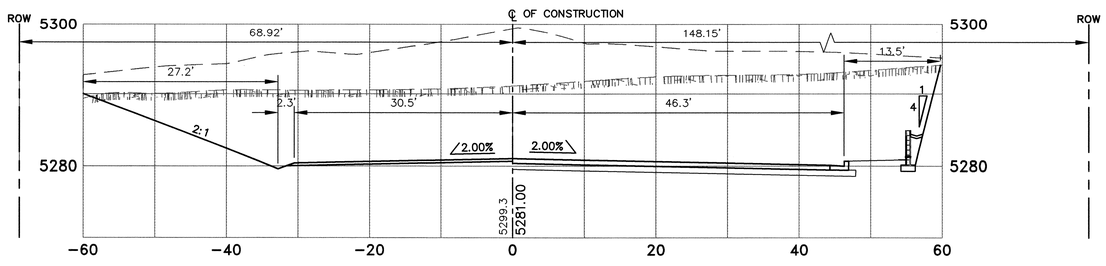

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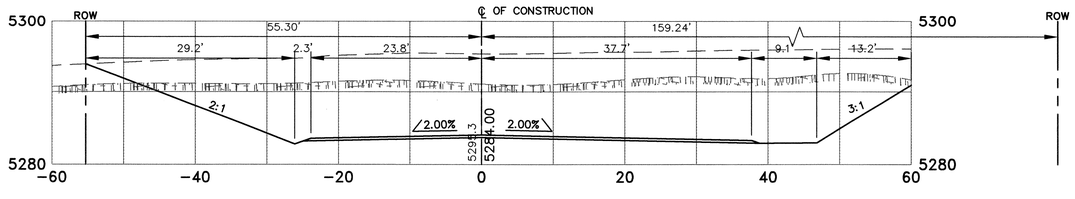

AS-BUILT INFORMATION

CONTRACTOR Salis Bros. Surveying DATE 1/08

WORK ISSUED BY _____ DATE _____

INSPECTOR'S ACCEPTANCE BY _____ DATE _____

FIELD VERIFICATION BY _____ DATE _____

DRAWING CORRECTED BY Wilson & Co. DATE 1/08

MICRO-FILM INFORMATION

RECORDED BY _____ DATE _____

NO. _____

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SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

FOR INFORMATION ONLY

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY RP DATE FEB 2005

DRAWN BY STAFF DATE FEB 2005

CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002

Zone Map No. C-11

Sheet 10-5 Of

WILSON & COMPANY

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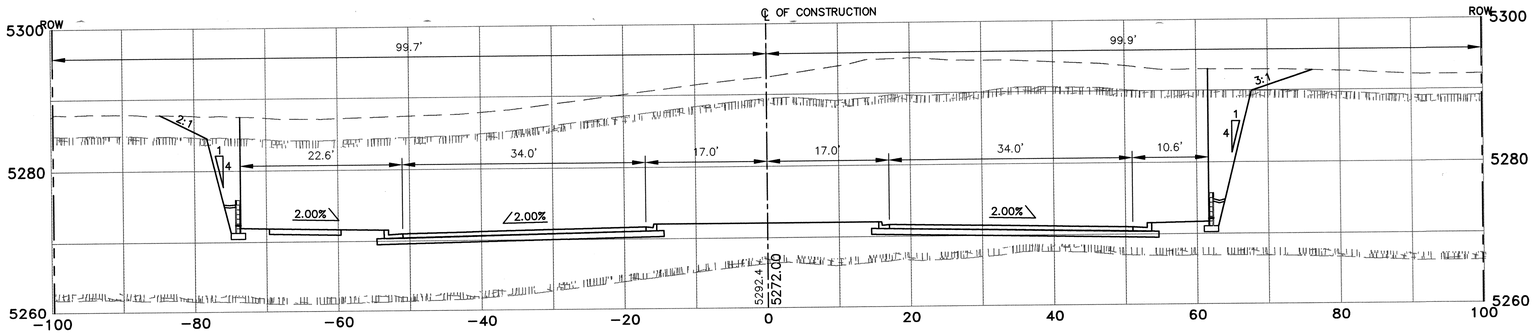

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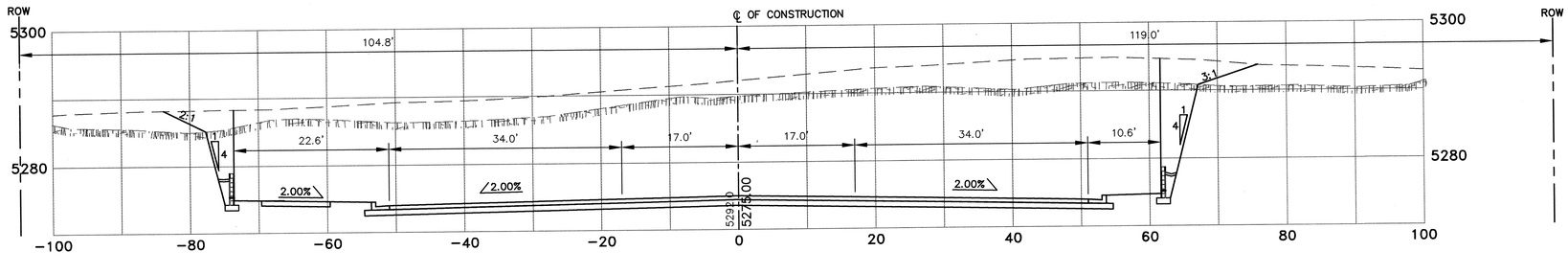

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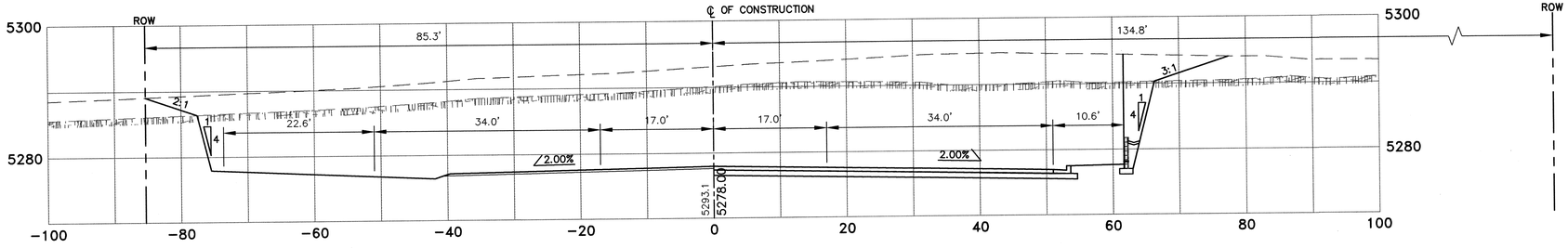

LEGEND

TOP OF BASALT

BOTTOM OF BASALT

NOTE:
NORTH SIDE OF ROADWAY (STD C&G, MEDIAN C&G, AND ASPHALT CONCRETE PAVEMENT) TO BE CONSTRUCTED IN THE FUTURE. CONTRACTOR SHALL BUILD SUBGRADE UP TO FINISHED GRADE, I.E. TOP OF FUTURE PAVEMENT SECTION. PROPOSED STORM DRAIN (INLETS, PIPE AND MANHOLES), RETAINING WALLS, AND SAS TO BE CONSTRUCTED AS PER THEIR RESPECTIVE PLANS.

AS-BUILT INFORMATION
CONTRACTOR Sais Bros. DATE 1/08
WORK INSPECTOR'S ACCEPTANCE BY Sunrek DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson+Co. DATE 1/08
RECORDED BY DATE

BENCH MARKS
THE STA. IS A 3 1/2" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

FOR INFORMATION ONLY

NO.	DATE	REVISIONS / REMARKS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY RP DATE FEB 2005
DRAWN BY STAFF DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C-11
Sheet 10-6 Of

WILSON & COMPANY

Sheet Of

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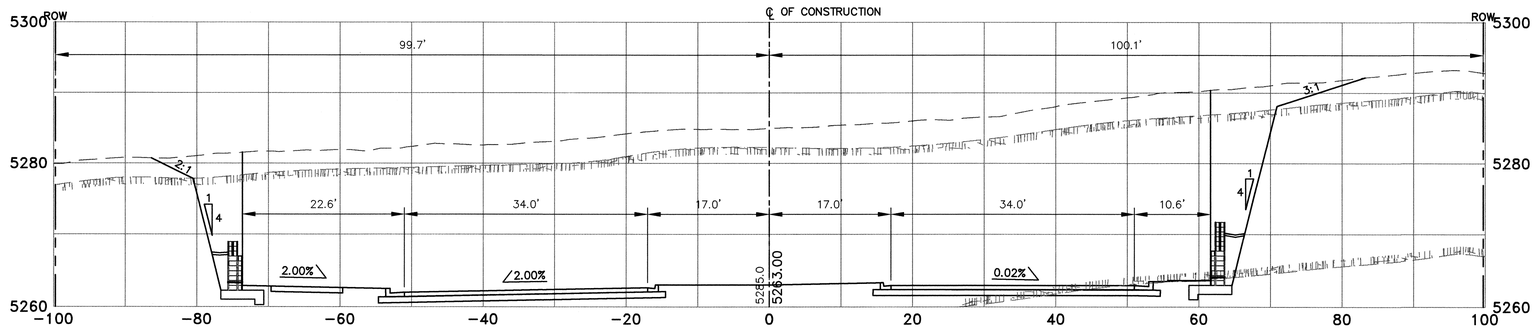
LEGEND

TOP OF BASALT

BOTTOM OF BASALT

32+00



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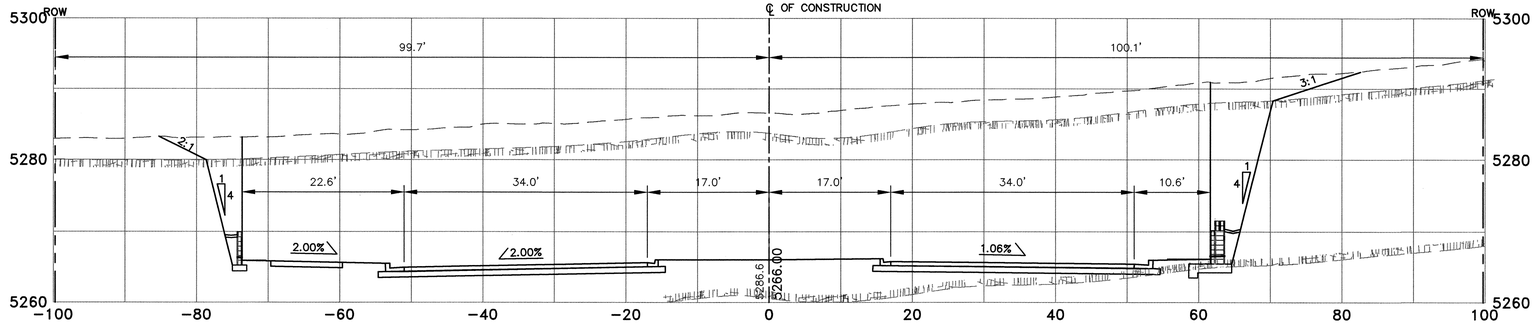

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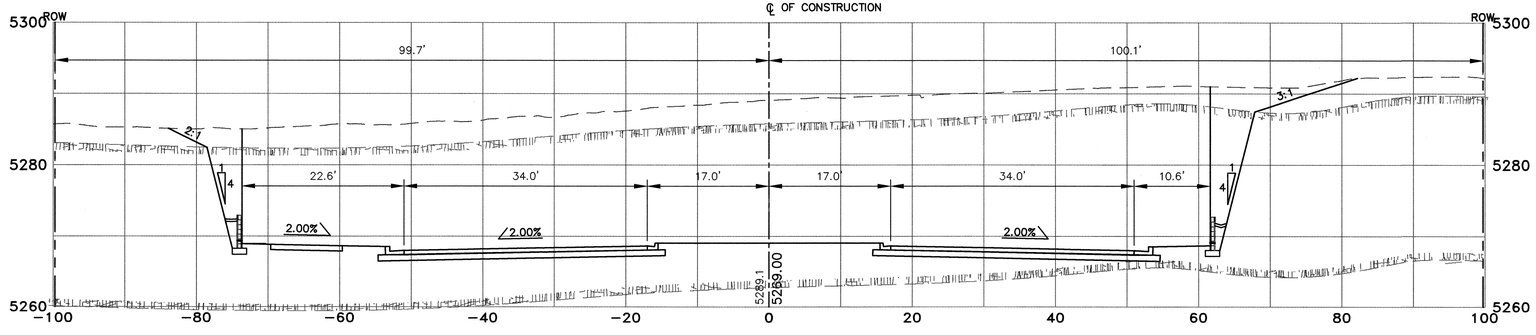

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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
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AS-BUILT INFORMATION
CONTRACTOR: SAIS Bros. DATE 1/08
WORK INSPECTED BY: Surviek DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY: Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEER'S SEAL

FOR INFORMATION ONLY

NO.	DATE	REMARKS
		BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	RP	DATE FEB 2005
DRAWN BY	STAFF	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C-11
Sheet 10-7 Of

WILSON & COMPANY

Sheet Of

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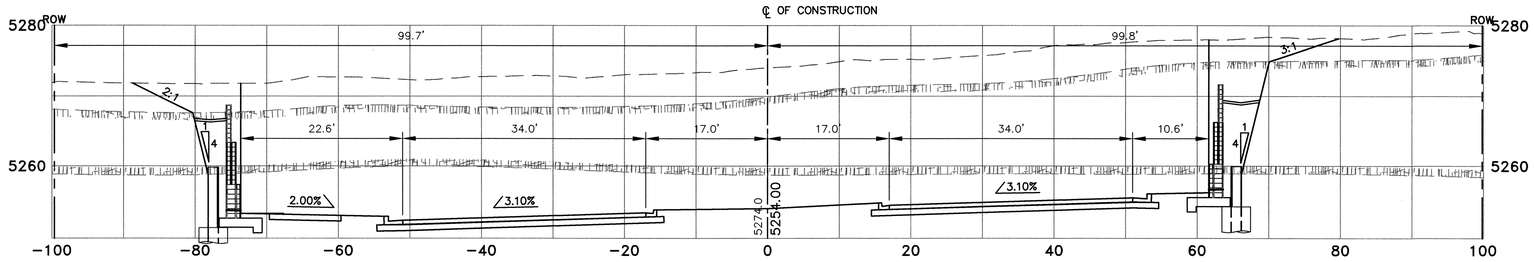
LEGEND

TOP OF BASALT

BOTTOM OF BASALT

33+50



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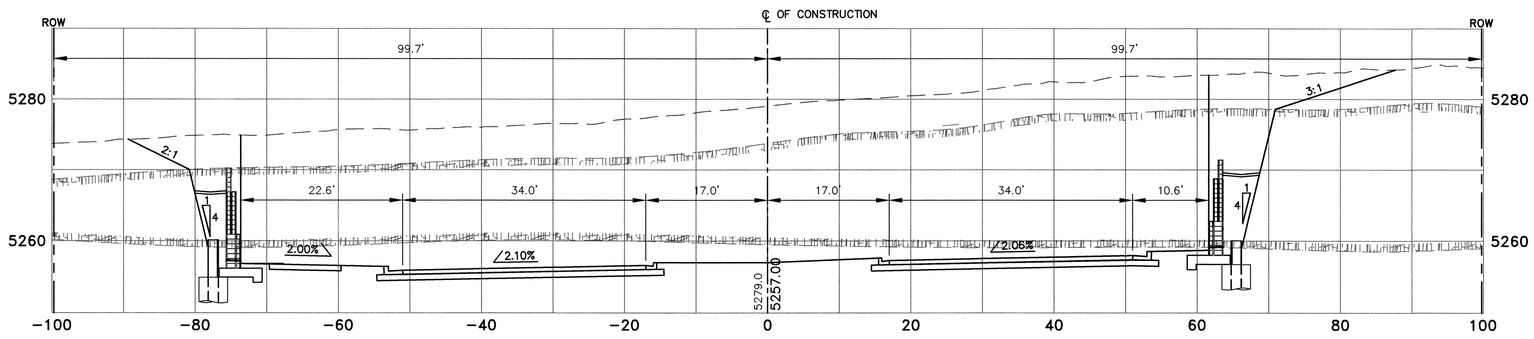

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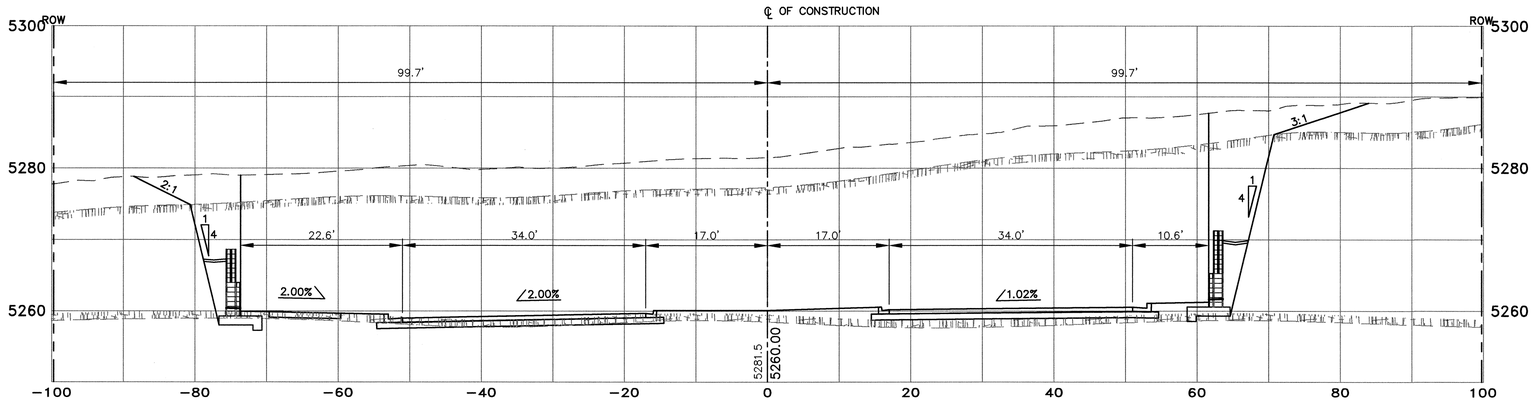

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AS-BUILT INFORMATION

CONTRACTOR Sais Bros. DATE 1/08

WORK ISSUED BY

INSPECTOR'S ACCEPTANCE BY Survtek DATE

FIELD VERIFICATION BY DATE

REMARKS

CORRECTED BY Wilson+Co DATE 1/08

MICRO-FILM INFORMATION

RECORDED BY DATE

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SURVEY INFORMATION

FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL

FOR INFORMATION ONLY

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	RP	DATE FEB 2005
DRAWN BY	STAFF	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	10-8	

WILSON & COMPANY

Sheet Of

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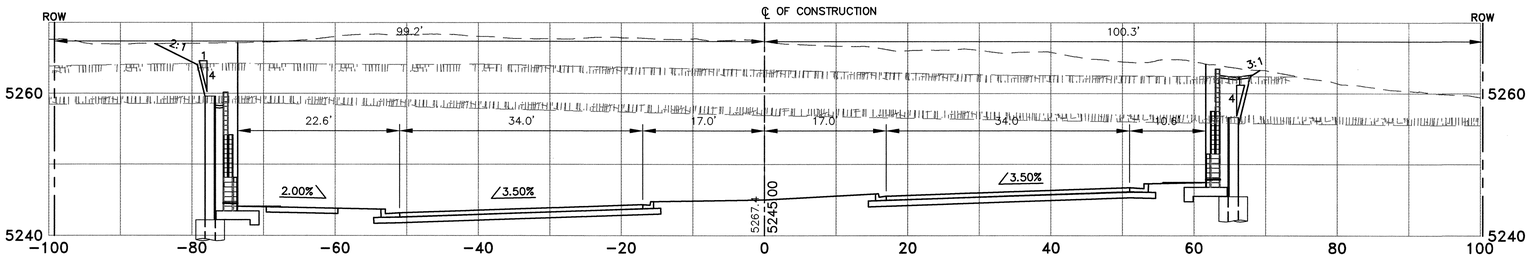
LEGEND

TOP OF BASALT

BOTTOM OF BASALT

35+00



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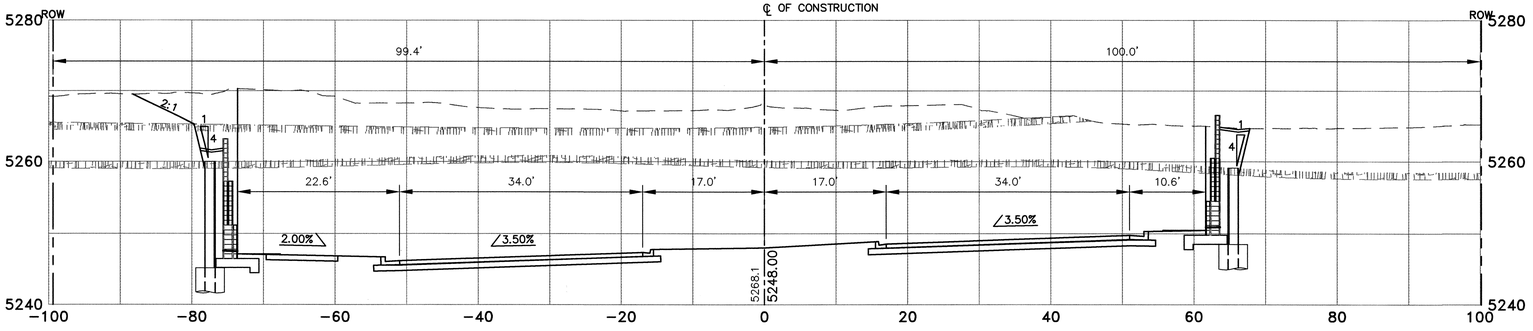

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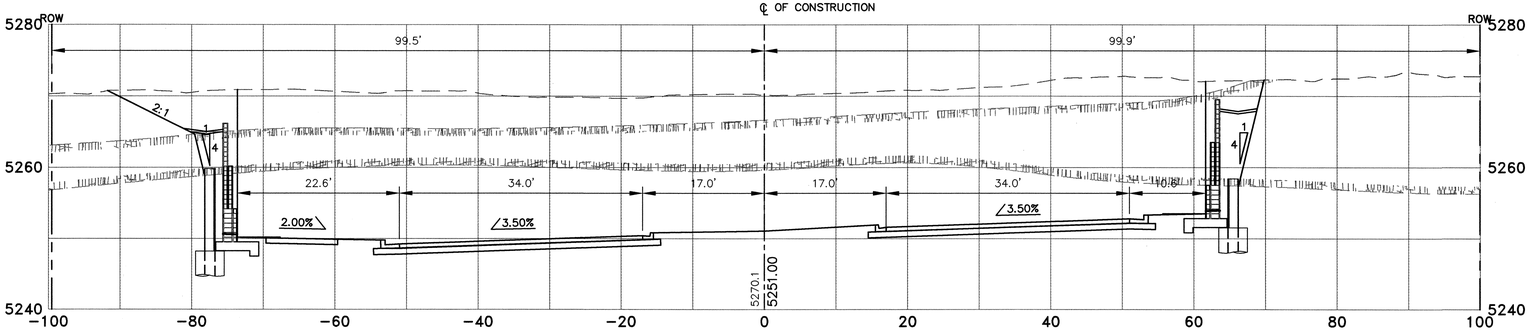

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AS-BUILT INFORMATION

CONTRACTOR: Sais Bros. DATE 1/08

WORK ISSUED BY: Survtek

INSPECTOR'S ASBUILT NOTES BY: DATE

FIELD VERIFICATION BY: DATE

DRAWING CORRECTED BY: Wilson Co. DATE 1/08

MICRO-FILM INFORMATION

RECORDED BY: DATE

NO.

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SURVEY INFORMATION

FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL

FOR INFORMATION ONLY

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	RP	DATE FEB 2005
DRAWN BY	STAFF	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	10-9	

WILSON & COMPANY

Sheet Of

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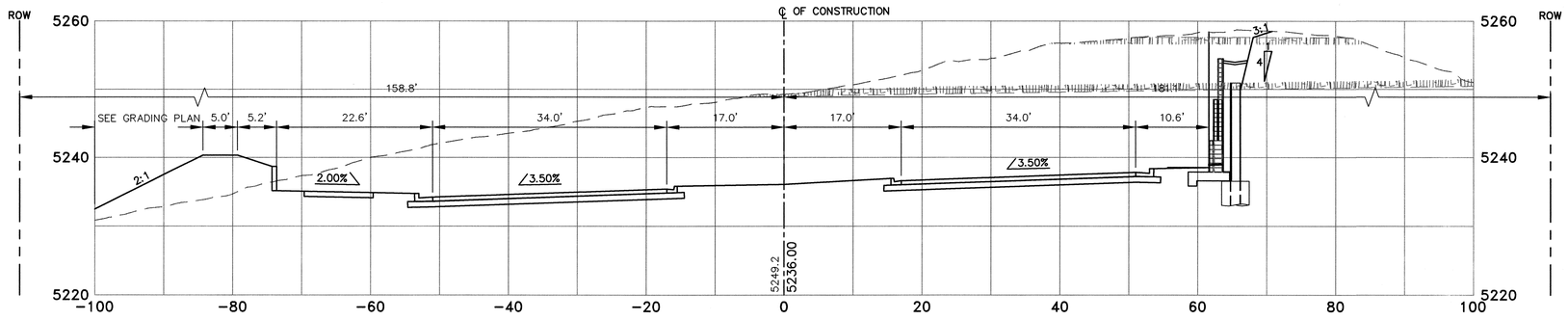
LEGEND

TOP OF BASALT

BOTTOM OF BASALT

36+50



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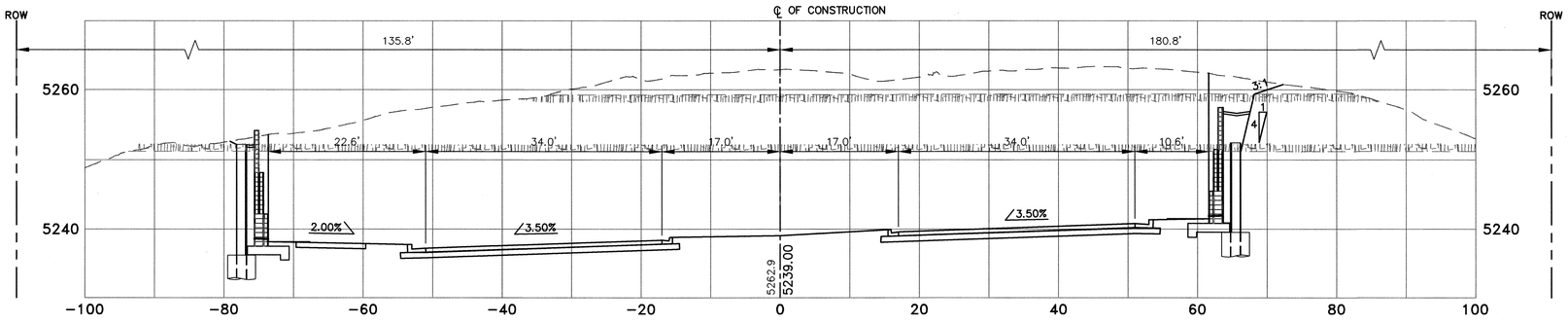

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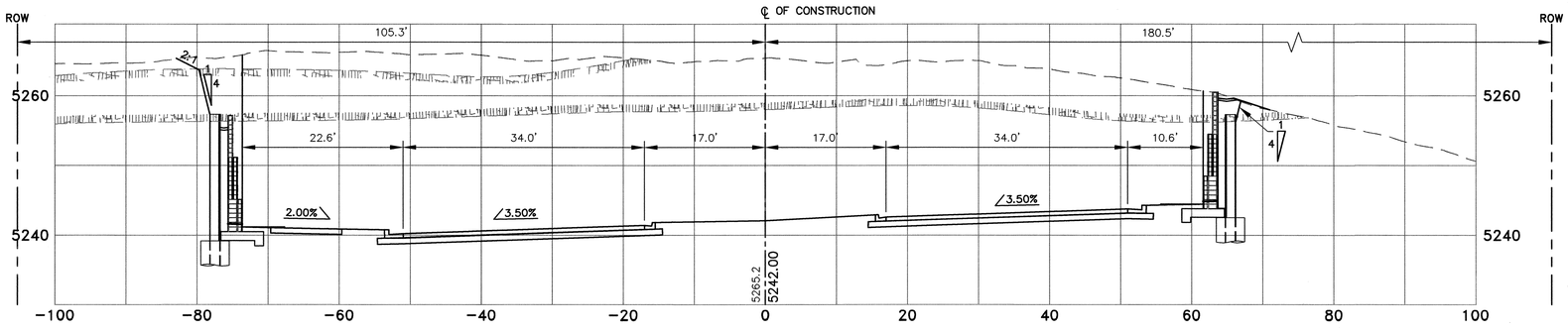

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AS-BUILT INFORMATION

CONTRACTOR Sais Bros. DATE 1/68

WORK INSPECTED BY Surtek DATE

INSPECTOR'S COMMENTS BY DATE

FIELD VERIFICATION BY DATE

DRAWINGS CORRECTED BY Wilson & Co. DATE 1/68

MICRO-FILM INFORMATION

RECORDED BY DATE

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SURVEY INFORMATION

FIELD NOTES

NO.	DATE	BY

ENGINEER'S SEAL

FOR INFORMATION ONLY

NO.	DATE	REMARKS	BY

REVISIONS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY RP DATE FEB 2005

DRAWN BY STAFF DATE FEB 2005

CHECKED BY SFP DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	10-10	

WILSON & COMPANY

Sheet Of

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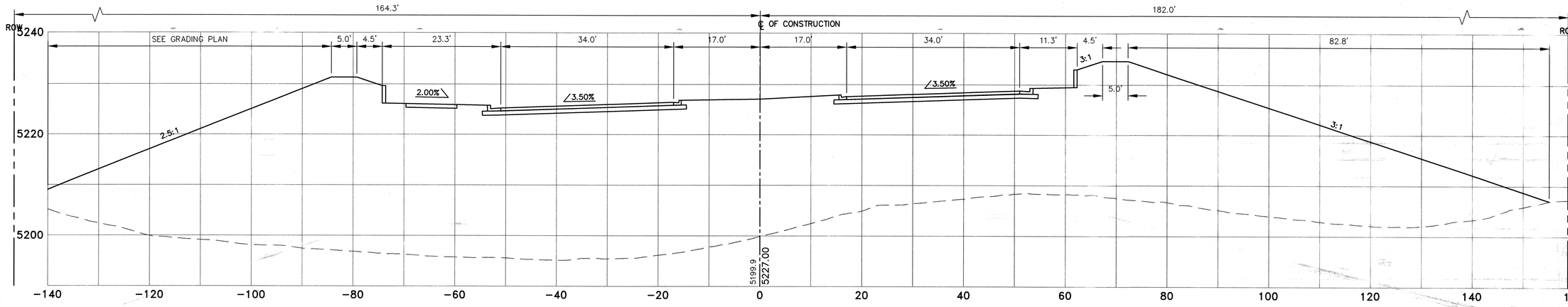

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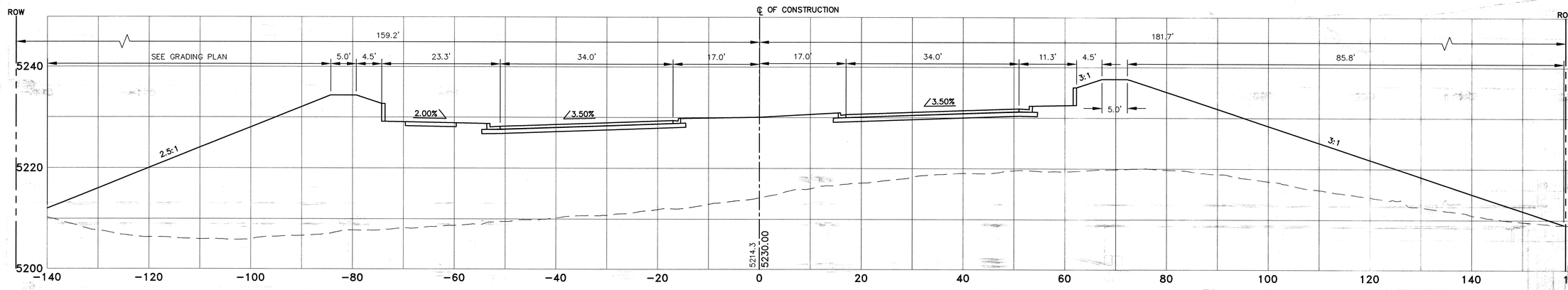

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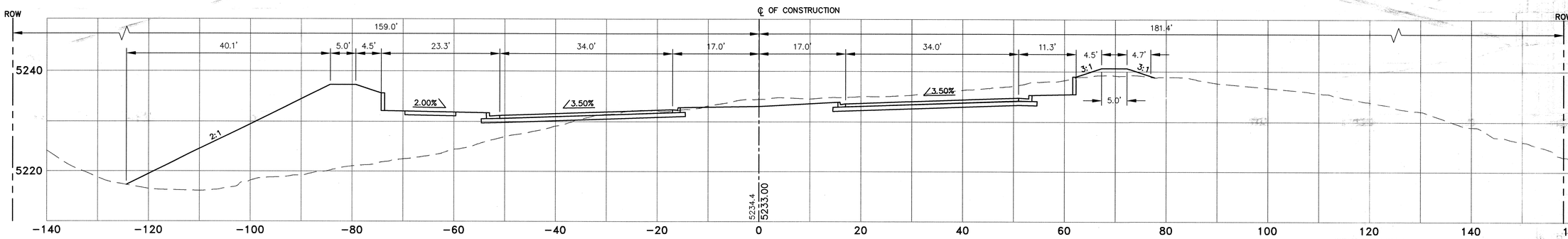

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AS-BUILT INFORMATION
CONTRACTOR Sais Bros DATE 1/08
WORKS BY Sunrek DATE
INSPECTOR'S ACCEPTANCE BY DATE
FIELD VERIFICATION BY DATE
CORRECTED BY Wilson & Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE

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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

FOR INFORMATION ONLY

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	RP	DATE FEB 2005
DRAWN BY	STAFF	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	10-11	

WILSON & COMPANY

Sheet Of

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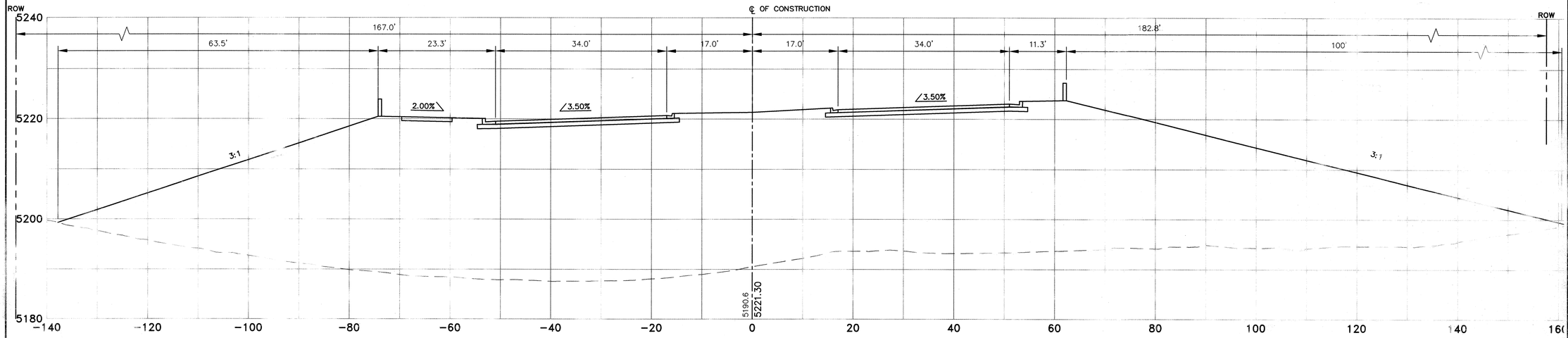

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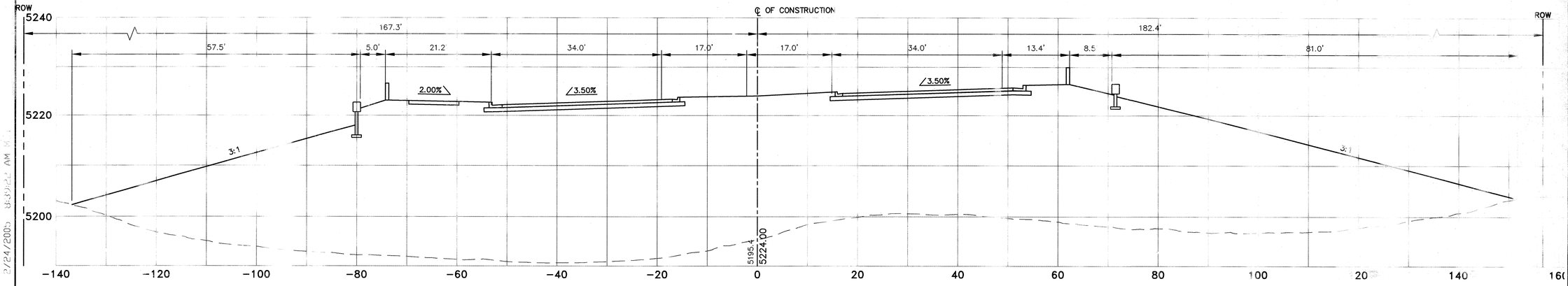

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AS-BUILT INFORMATION
CONTRACTOR: Sais Bros.
WORK ISSUED BY: Survtek DATE 1/08
INSPECTOR'S LOCATIONS BY: DATE
FIELD VERIFICATION BY: DATE
DRAWING CORRECTED BY: Wilson+Co. DATE 1/08
RECORDED BY: DATE

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SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

FOR INFORMATION ONLY

NO.	DATE	REMARKS / REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY RP DATE FEB 2005
DRAWN BY STAFF DATE FEB 2005
CHECKED BY SPP

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C-11
Sheet 10 Of 12

WILSON & COMPANY

Sheet Of

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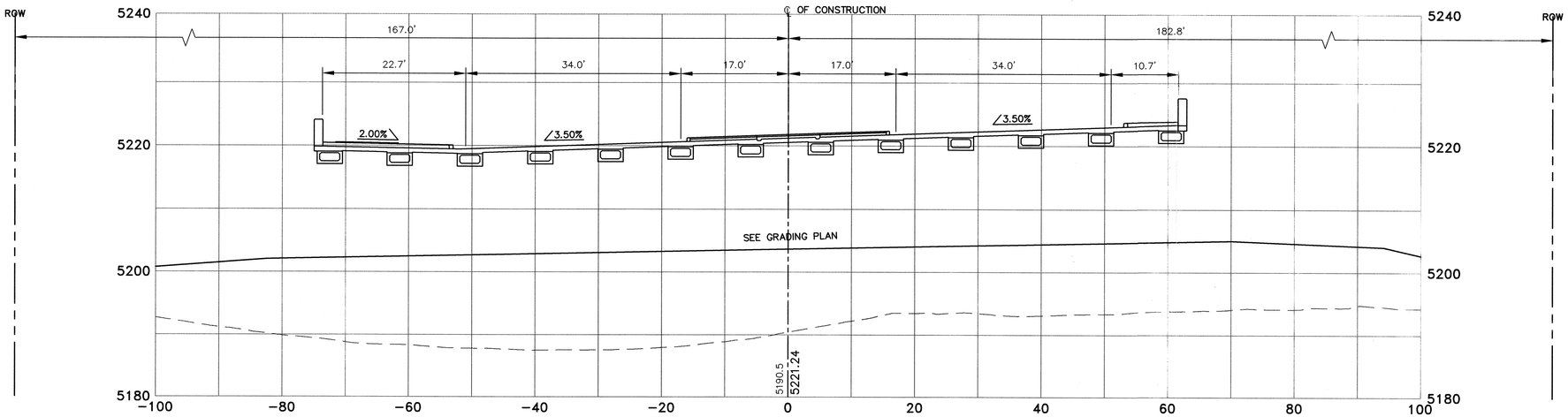

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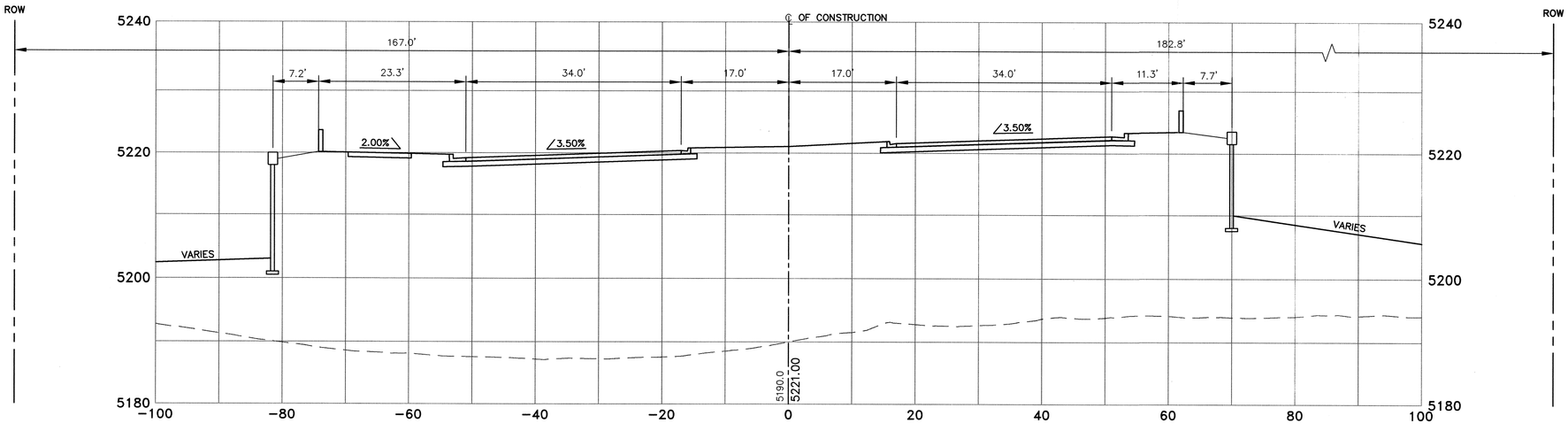

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AS-BUILT INFORMATION
CONTRACTOR Sais Bros. DATE 1/08
WORK INSPECTED BY Survtek DATE
INSPECTOR'S MATERIAL TAKE DATE
FIELD VERIFICATION BY DATE
PLANS CORRECTED BY Wilson + Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

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SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL

FOR INFORMATION ONLY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY RP DATE FEB 2005
DRAWN BY STAFF DATE FEB 2005
CHECKED BY SFP DATE FEB 2005

REVISIONS
NO. | DATE | REMARKS | BY

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C-11
Sheet 10 Of 13

WILSON & COMPANY

Sheet Of

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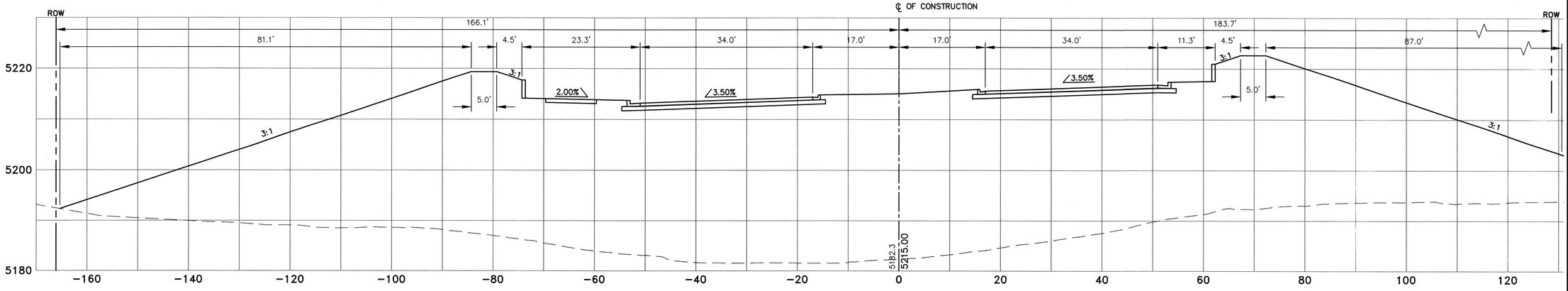

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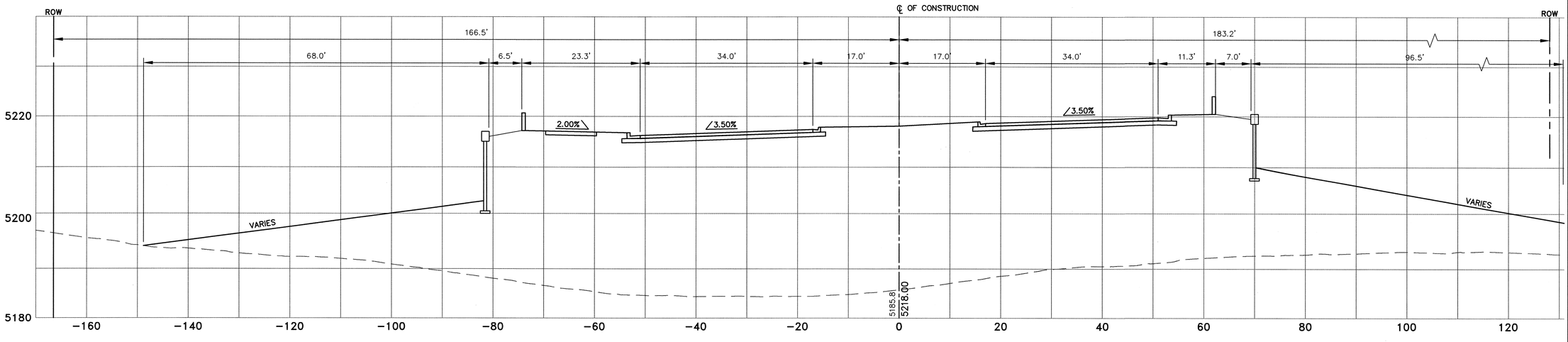

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AS-BUILT INFORMATION
CONTRACTOR Sails Bros. DATE 1/08
WORK INSPECTED BY Sawtek DATE
INSPECTOR'S INITIALS BY DATE
FIELD VERIFICATION BY DATE
DRAWINGS CORRECTED BY Wilson + Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
THE STA. IS A 3" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR., THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

FOR INFORMATION ONLY

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	RP	DATE FEB 2005
DRAWN BY	STAFF	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. COA 705002
Zone Map No. C-11
Sheet 10-14 Of

WILSON & COMPANY

Sheet Of

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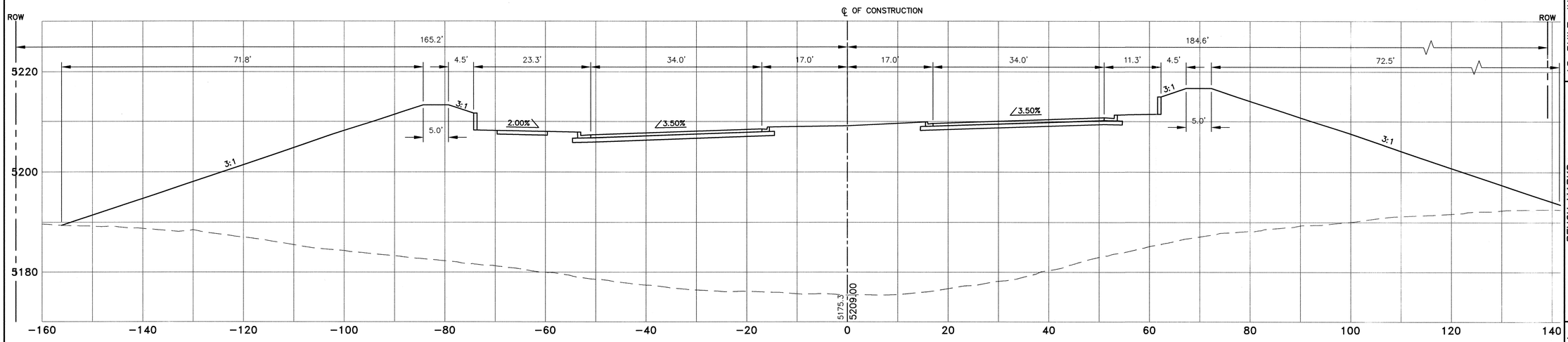

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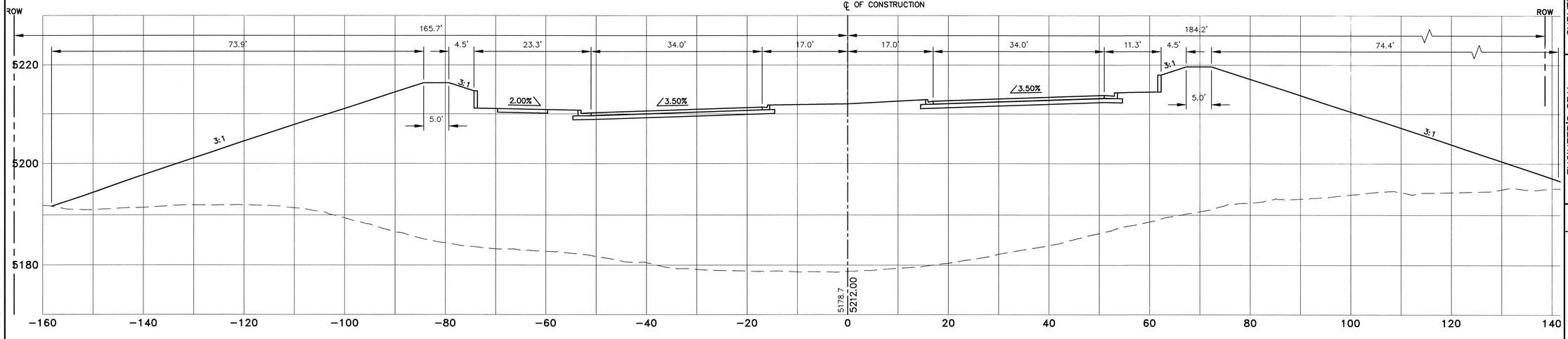

NOTE:
NORTH SIDE OF ROADWAY (STD C&G, MEDIAN C&G, AND ASPHALT CONCRETE PAVEMENT) TO BE CONSTRUCTED IN THE FUTURE. CONTRACTOR SHALL BUILD SUBGRADE UP TO FINISHED GRADE, I.E. TOP OF FUTURE PAVEMENT SECTION. PROPOSED STORM DRAIN (INLETS, PIPE AND MANHOLES), RETAINING WALLS, AND SAS TO BE CONSTRUCTED AS PER THEIR RESPECTIVE PLANS.

AS-BUILT INFORMATION
CONTRACTOR Sais Bros.
WORK BY
INSPECTOR'S SIGNATURE
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY Allison Yoo DATE 1/06
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
THE STA. IS A 3" ALUMINUM CAP STAMPED "ACS 1-C11 1986" SET FLUSH IN THE LAVA OUTCROP. THE STA IS LOCATED 6.85 MI. N.W. OF D.T. ALBQ. TO REACH THE STA FROM I-40 & COORS RD., GO N. ON COORS 3.25 MI. TO MONTANO RD., TURN W. ON MONTANO AND GO 0.5 MI. TO TAYLOR RANCH DR., TURN N. & GO 1.5 MI. TO CALLE NORTENA, TURN W.-N.W. & GO 0.1 MI. TO RIDGEWAY DR.. THE STA. IS N.E. OF THIS POINT. ELEVATION = 5275.14 FT. (2ND ORDER-1ST CLASS) (NAVD 88)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

FOR INFORMATION ONLY

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	RP	DATE FEB 2005
DRAWN BY	STAFF	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	10-15	

WILSON & COMPANY

Sheet Of

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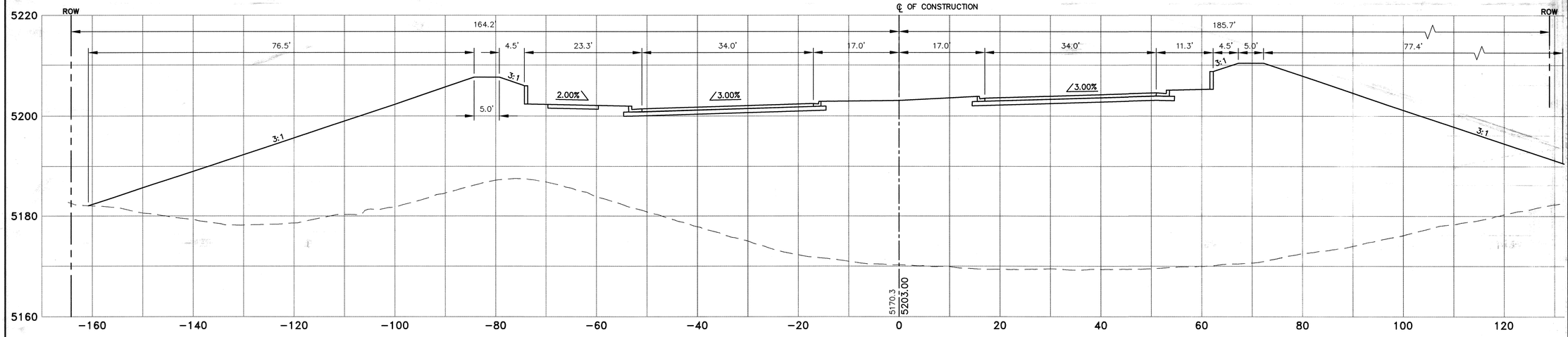

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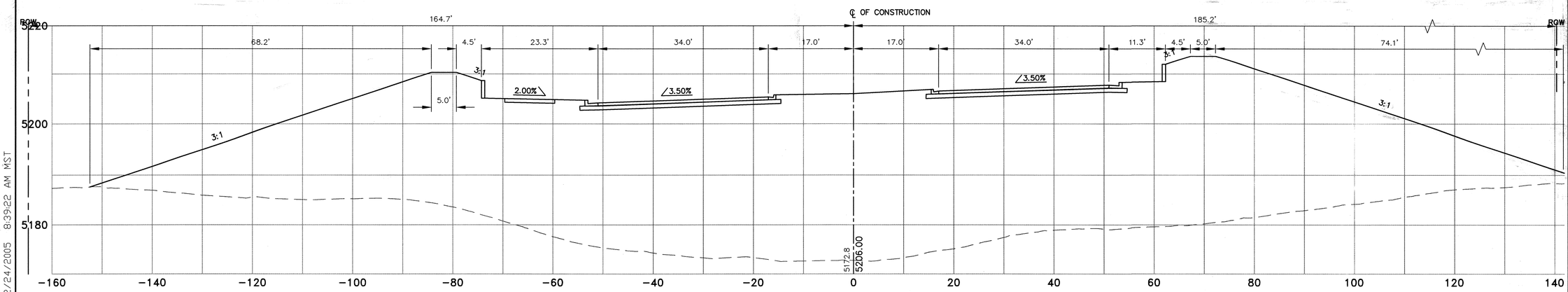

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AS-BUILT INFORMATION
CONTRACTOR Sais Bros. Survey DATE 1/06
WORK STAKED BY: DATE
INSPECTOR'S ACCEPTANCE BY: DATE
FIELD VERIFICATION BY DATE
CHANGES CORRECTED BY: Wilson + Co DATE 1/06
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
FOR INFORMATION ONLY

NO.	DATE	REMARKS	BY
		REVISIONS	

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	RP	DATE FEB 2005
DRAWN BY	STAFF	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	10-16	

WILSON & COMPANY

Sheet Of

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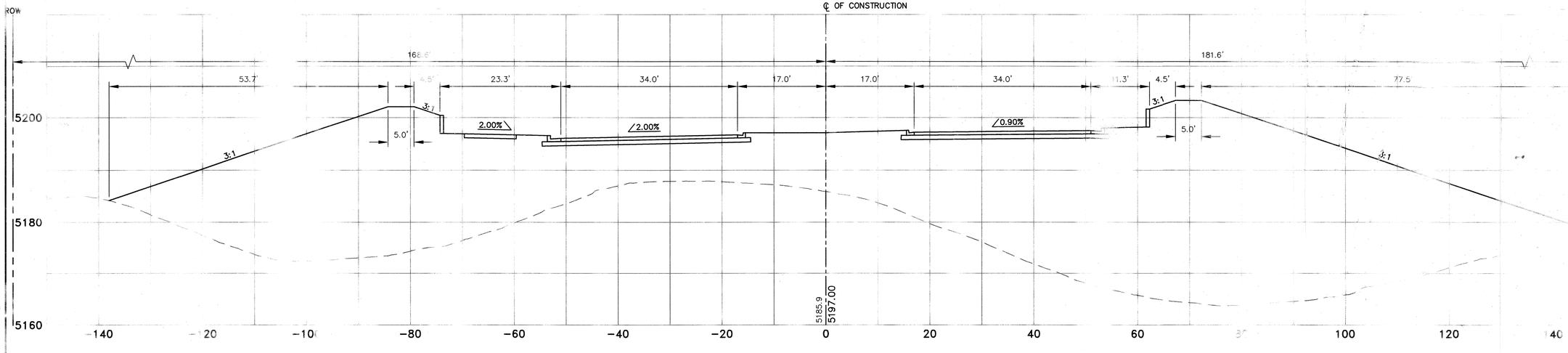

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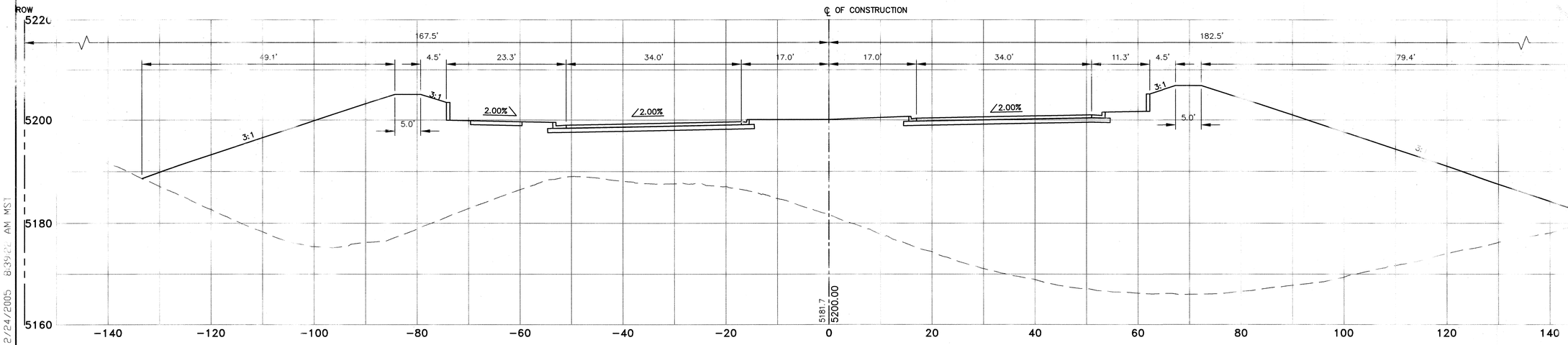

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SURVEY INFORMATION
FIELD NOTES

NO	DATE	REMARKS
		REVISIONS

CONTRACTOR: Solis Bros. Survtek 1/08
WORK STAKED BY:
INSPECTOR'S INITIALS BY:
FIELD VERIFICATION BY:
DRAWING CORRECTED BY: Wilson & Co. DATE 1/08

WILSON & COMPANY, ENGINEERS & ARCHITECTS

	BY	DATE
DESIGNED BY	RP	FEB 2005
DRAWN BY	STAFF	FEB 2005
CHECKED BY	SFP	FEB 20

ENGINEER'S SEAL

FOR INFORMATION ONLY

MICRO-FILM INFORMATION

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	10-17	

WILSON & COMPANY

Sheet Of

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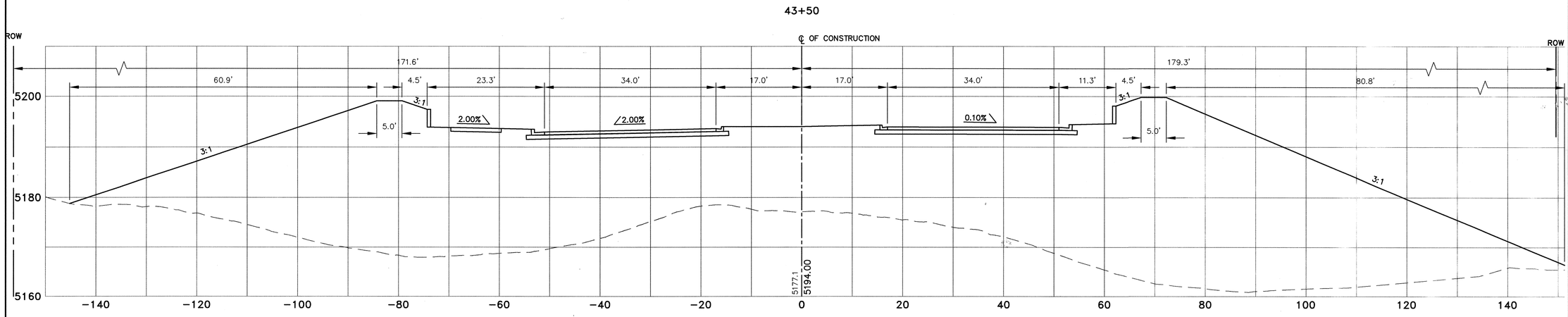

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AS-BUILT INFORMATION
CONTRACTOR: Sais Bros. DATE 1/08
WORK STAKED BY: Survtek DATE
INSPECTOR'S FIELD VERIFICATION BY DATE
FIELD VERIFICATION BY DATE
DRAWING CORRECTED BY: Wilson+Co. DATE 1/08
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

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FIELD NOTES

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WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY	RP	DATE FEB 2005
DRAWN BY	STAFF	DATE FEB 2005
CHECKED BY	SFP	DATE FEB 2005

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
TRANSPORTATION DIVISION

PASEO DEL NORTE EXTENSION
ROADWAY CROSS SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
COA 705002	C-11	10-18	

WILSON & COMPANY

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