

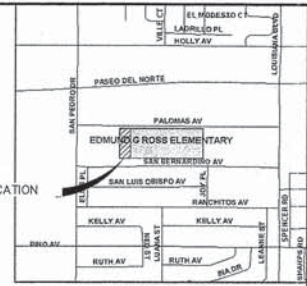
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26-7543.81-2012

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT



SCANNED BY
PLANNING

CONSTRUCTION PLANS
FOR



LOCATION MAP
ZONE ATLAS MAP NO. D-18

E. G. ROSS ELEMENTARY SCHOOL BUS DROP-OFF/PICK-UP LANE 6700 PALOMAS AVENUE, NE ALBUQUERQUE, NEW MEXICO 87109

INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	OVERALL SITE PLAN
4	EXISTING CONDITIONS / DEMOLITION PLAN
5	TRAFFIC CIRCULATION LAYOUT
6	GRADING & DRAINAGE PLAN
7	PLAN & PROFILE SHEET
8	MISCELLANEOUS DETAILS

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER

DATE: 02-23/12

* Field verified ON 02-23-2012
NOT AS-BUILT drawings

"THE SUBJECT PROPERTY IS LOCATED NEAR A FORMER LANDFILL. DUE TO THE SUBJECT PROPERTY BEING NEAR A FORMER LANDFILL, CERTAIN PRECAUTIONARY MEASURES MAY NEED TO BE TAKEN TO ENSURE THE HEALTH AND SAFETY OF THE PUBLIC. RECOMMENDATIONS MADE BY A PROFESSIONAL ENGINEER WITH EXPERTISE IN LANDFILLS AND LANDFILL GAS ISSUES (AS REQUIRED BY THE MOST CURRENT VERSION OF THE INTERIM GUIDELINES FOR DEVELOPMENT WITHIN CITY DESIGNATED LANDFILL BUFFER ZONES) SHALL BE CONSULTED PRIOR TO DEVELOPMENT OF THE SITE."

MARCIA PRICUS, PE
ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE NO. 7.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO CALL SYSTEM (280-1990) FOR THE LOCATION OF EXISTING UTILITIES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM OF DELAY.
5. 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 BARRICADE PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY CONSTRUCTION COORDINATION ENGINEER (924-2400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED W/ PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR 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 ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN 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.
9. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION (857-8200) SEVEN WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION SEVEN (7) DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED:

- ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
- ☐ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSIONED FOR A DRIVEPAV, THE DRIVEPAV SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
<div style="display: flex; justify-content: space-between;"> <div> <p>ENGINEERS STAMP & SIGNATURE</p> <p>APPROVED FOR CONSTRUCTION</p> <p>City Engineer</p> <p>Date</p> </div> <div> <p>City Project No. 754381</p> <p>Sheet 1 of 8</p> </div> </div>							

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RIO RANCHO, NEW MEXICO
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WCEA FILE NO. X4218060

CONSTRUCTION NOTES:

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE "CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", LATEST EDITION (UPDATE 7).
2. THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE PROJECT ENGINEER A DETAILED CONSTRUCTION SCHEDULE. CONSTRUCTION SCHEDULE SHALL INCLUDE A DETAILED WORK BREAKDOWN STRUCTURE OF SUB-TASK AND SHALL INCLUDE EARLY START/ EARLY FINISH, LATE START/ LATE FINISH, FREE FLOAT TIME & TOTAL FLOAT TIME FOR EACH MAJOR TASK.
3. THE CONTRACTOR WILL BE REQUIRED TO CONFINES HIS WORK WITHIN THE CONSTRUCTION LIMITS TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES.
4. WORK ZONE SHALL BE LEFT SAFE AT THE END OF EACH WORK DAY.
5. ALL EXISTING WATER VALVE BOXES AND SEWER MANHOLES IN THE CONSTRUCTION AREA ARE TO BE ADJUSTED TO FINISH GRADE UNDER THIS CONTRACT. COST IS INCIDENTAL TO BASE BID AND NO ADDITIONAL PAYMENT WILL BE MADE.
6. A DISPOSAL SITE, COMPLYING WITH ALL CITY ORDINANCES, SHALL BE OBTAINED BY THE CONTRACTOR FOR THE DISPOSAL OF ALL EXCESS EXCAVATION MATERIAL, ASPHALTIC PAVEMENT AND OTHER WASTE MATERIALS. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER OF THE LOCATION OF THE DISPOSAL SITE PRIOR TO THE REMOVAL AND ACTUAL DISPOSAL OF THE MATERIAL. ALL COSTS IN OBTAINING A DISPOSAL SITE SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.
7. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
8. WHEN ABUTTING NEW PAVEMENT TO EXISTING PAVEMENT, SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT. PRIOR TO LAYING NEW PAVEMENT, THE EXPOSED EXISTING ASPHALT EDGE SHALL BE CLEAN AND FREE OF DEBRIS AND DUST. USE TACK COAT ON EXPOSED EDGES.
9. WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE BACK TO NEAREST JOINT.
10. ALL EXCAVATIONS FOR STORM DRAINS, AND OTHER EXCAVATIONS AS NECESSARY, SHALL BE GOVERNED BY THE CONSTRUCTION SAFETY AND HEALTH STANDARDS (TITLE 29, CFR, PART 1910 AS APPLICABLE TO CONSTRUCTION WORK - PUBLISHED IN THE FEDERAL REGISTER ON FEBRUARY 9, 1979).
11. MAINTENANCE OF AS-BUILT PLANS: 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 ENGINEER FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 14 CALENDAR DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE PROJECT ENGINEER PRIOR TO FINAL PAYMENT. AS-BUILTS SHALL BE CERTIFIED, SIGNED, AND DATED BY CONTRACTOR FOR COMPLETENESS & ACCURACY OF INFORMATION.
12. CLEANING OF EXISTING STRUCTURES: THE CONTRACTOR SHALL CLEAN ALL EXISTING STRUCTURES THAT ARE TO REMAIN OPERATIONAL, PRIOR TO INITIATING STRUCTURE EXTENSION WORK. STRUCTURES SHALL BE CLEAN AT THE TIME OF FINAL PROJECT ACCEPTANCE. THIS WORK WILL BE CONSIDERED AS INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
13. CONSTRUCTION EROSION CONTROL: CONSTRUCTION EROSION CONTROL IS INCIDENTAL TO CONSTRUCTION. IN THE EVENT THAT 1 ACRE OF EARTH OR MORE ARE TO BE DISTURBED, THE CONTRACTOR SHALL SUBMIT TO THE CONTRACT MANAGER A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) THAT ADDRESSES CONSTRUCTION PHASES AND PROPOSED POLLUTION PREVENTION MEASURES AND OUTLINES THE SEQUENCE OF IMPLEMENTATION OF EROSION AND SEDIMENT CONTROL MEASURES. THE SWPPP SHALL MEET THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT REQUIREMENTS FOR ALL CONSTRUCTION ACTIVITIES.
14. TRAFFIC CONTROL DEVICES: SHALL COMPLY WITH THE CURRENT EDITION, WITH REVISIONS, OF THE M.U.T.C.D., LATEST EDITION.
15. UNCLASSIFIED EXCAVATION SHALL INCLUDE ALL EXCAVATION, PLACEMENT, COMPACTION, HAULING, DISPOSAL AND MULTIPLE HANDLING OF EXCAVATED MATERIAL REQUIRED FOR COMPLETION OF THE PROJECT.
16. CONCRETE SHALL BE 3000 PSI, 28 DAY STRENGTH PER COA SPECIFICATIONS.
17. CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS AND GRADING OPERATIONS.

18. THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ALL CONSTRUCTION PERMITS AND INSPECTION APPROVALS NECESSARY FOR THE CONSTRUCTION OF THESE FACILITIES AND ALL GRADING OPERATIONS. COST FOR PERMITS ARE INCIDENTAL TO BASE BID.
19. BOULDERS GREATER THAN 3' IN DIAMETER EXCAVATED DURING GRADING ACTIVITIES SHALL BE STOCKPILED AND DISPOSED OF AT THE DISCRETION OF THE PROJECT ENGINEER.
20. UNLESS OTHERWISE SHOWN, DRAINAGE SWALES SHALL HAVE A MINIMUM 1% SLOPE IN THE DIRECTION OF FLOW.
21. APPLY JOINT SEAL BETWEEN ASPHALT AND CONCRETE JOINTS. JOINT SEAL SHALL BE SONOLASTIC NP-1 TYPE SEALANT OR APPROVED EQUAL.

SURVEY NOTES:

1. SURVEY WAS CONDUCTED BY CHARLES G. CALA JR., NEW MEXICO PROFESSIONAL SURVEYOR NO. 11184, JEFF MORTENSEN & ASSOCIATES.

UTILITIES NOTES:

1. ALL EXISTING UTILITIES SHOWN HEREIN WERE TAKEN FROM RECORD DRAWINGS, FIELD SURVEYS, UTILITIES MAPS AND INFORMATION PROVIDED BY THE UTILITY OWNERS AND ARE APPROXIMATE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS AND PROVIDE PROTECTION FOR ALL UTILITIES WITHIN THE CONSTRUCTION AREA. NO ADDITIONAL PAYMENT WILL BE MADE THEREFOR.
2. CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION THAT MIGHT RESULT FROM PROJECT CONSTRUCTION. IT SHALL BE HIS RESPONSIBILITY TO PROTECT AND PRESERVE UTILITY EQUIPMENT AFFECTED BY PROJECT CONSTRUCTION. SHOULD HE BREAK AN EXISTING UTILITY LINE DURING CONSTRUCTION ACTIVITIES HE SHALL BE RESPONSIBLE FOR UTILITY REPAIR COSTS.
3. THE CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE INSTALLATION OF ALL WORK RELATED MECHANICAL UTILITIES, AS SHOWN ON THIS PLAN, INCLUDING: TRENCHING, BACKFILL, SUPPORTS, TESTING, AND CLEANING. ANY WORK NOT ACCEPTED BY THE ENGINEER DUE TO IMPROPER WORKMANSHIP OR LACK OF PROPER COORDINATION SHALL BE REMOVED AND CORRECTLY INSTALLED AT THE CONTRACTOR'S EXPENSE, AS DIRECTED BY THE PROJECT ENGINEER.
4. UTILITY RELOCATIONS REQUIRED BY THE CONSTRUCTION OF THIS PROJECT ARE TO BE COORDINATED BY THE CONTRACTOR DURING CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK.

LANDSCAPING NOTES:

1. ANY ADDITIONAL REMOVAL OF TREES, LANDSCAPING, CONCRETE, OBSTRUCTIONS AND MISCELLANEOUS ITEMS WITHIN THE LIMITS OF CONSTRUCTION AS SHOWN IN THE PROPOSED SITE PLANS, ARE INCIDENTAL TO COST OF CONSTRUCTION AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFOR, IT IS THE CONTRACTOR'S RESPONSIBILITY TO THOROUGHLY REVIEW SITE CONDITION PRIOR TO SUBMITTING BID. IN THE EVENT ADDITIONAL TREES, LANDSCAPING, CONCRETE, OBSTRUCTIONS AND/OR MISCELLANEOUS ITEMS ARE FOUND WITHIN THE PROJECT AREA. BEYOND THOSE IDENTIFIED IN THESE DRAWINGS, CONTRACTOR SHALL ADVISE PROJECT ENGINEER WITHIN 24 HOURS AND INCLUDE THOSE ADDITIONAL COSTS WITHIN BASE BID.

GRADING NOTES:

1. PAVING/ROADWAY GRADES SHALL BE +.05 FT. FROM SHOWN PLAN ELEVATIONS.
2. PADS SHALL NOT VARY FROM A TRUE HORIZONTAL PLANE BY MORE THAN +.01 FOOT AT ANY POINT. THIS TRUE PLANE SHALL NOT VARY FROM THE SHOWN PAD ELEVATION BY +.02 FOOT, UNLESS PERMITTED BY OWNER.
3. ALL SCARIFYING, EXCAVATION, COMPACTION, AND REPLANTED SOILS WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS.
4. ALL SITE CONCRETE SHALL HAVE EXPANSION JOINTS NO GREATER THAN 20' WITH CONTROL JOINTS NO GREATER THAN 10' UNLESS OTHERWISE NOTED IN THIS PLAN SET. CURB & GUTTER AND SIDEWALKS SHALL HAVE JOINTS PER COA STD SPECIFICATIONS.

AS-BUILT NOTES:

1. CONTRACTOR SHALL PROVIDE AS-BUILT INFORMATION AS REQUESTED BY CIVIL ENGINEER FOR CERTIFICATE OF OCCUPANCY, INCLUDING FINAL VERTICAL GRADES AND HORIZONTAL GEOMETRY ADJUSTMENTS. AS-BUILT RECORD DRAWINGS SHALL BE COMPLETED BY A NEW MEXICO LICENSED SURVEYOR, IN GOOD STANDING. CONTRACTOR SHALL BE CERTIFY, DATE, AND SIGN FOR COMPLIANCE WITH THESE CONTRACT DOCUMENTS. NO ADDITIONAL PAYMENT WILL BE MADE.

ENGINEER'S SEAL 		AS-BUILT INFORMATION AN ACS 1 3/4" ALUMINUM DISK STAMPED IN ACA BM. 17+01.8" IN TOP OF ABRIDGE ADJUTMENT ALE INTERSECTION OF SAN JUAN RIVER AND I-25 DOWNGRADE BALCA CHANNEL ELEVATION = 5236.57 FEET (M.S.L.D. - 1929)	
SURVEY INFORMATION FIELD NOTES NO. BY DATE		BENCH MARKS AN ACS 1 3/4" ALUMINUM DISK STAMPED IN ACA BM. 17+01.8" IN TOP OF ABRIDGE ADJUTMENT ALE INTERSECTION OF SAN JUAN RIVER AND I-25 DOWNGRADE BALCA CHANNEL ELEVATION = 5236.57 FEET (M.S.L.D. - 1929)	
REVISIONS NO. DATE BY 1. 1/10/2005 ALM 2. 1/10/2005 MJB		REVISIONS NO. DATE BY 1. 1/10/2005 ALM 2. 1/10/2005 MJB	

WCEA #X4218060
JAN 2005

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

GENERAL NOTES

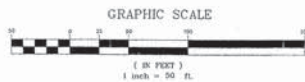
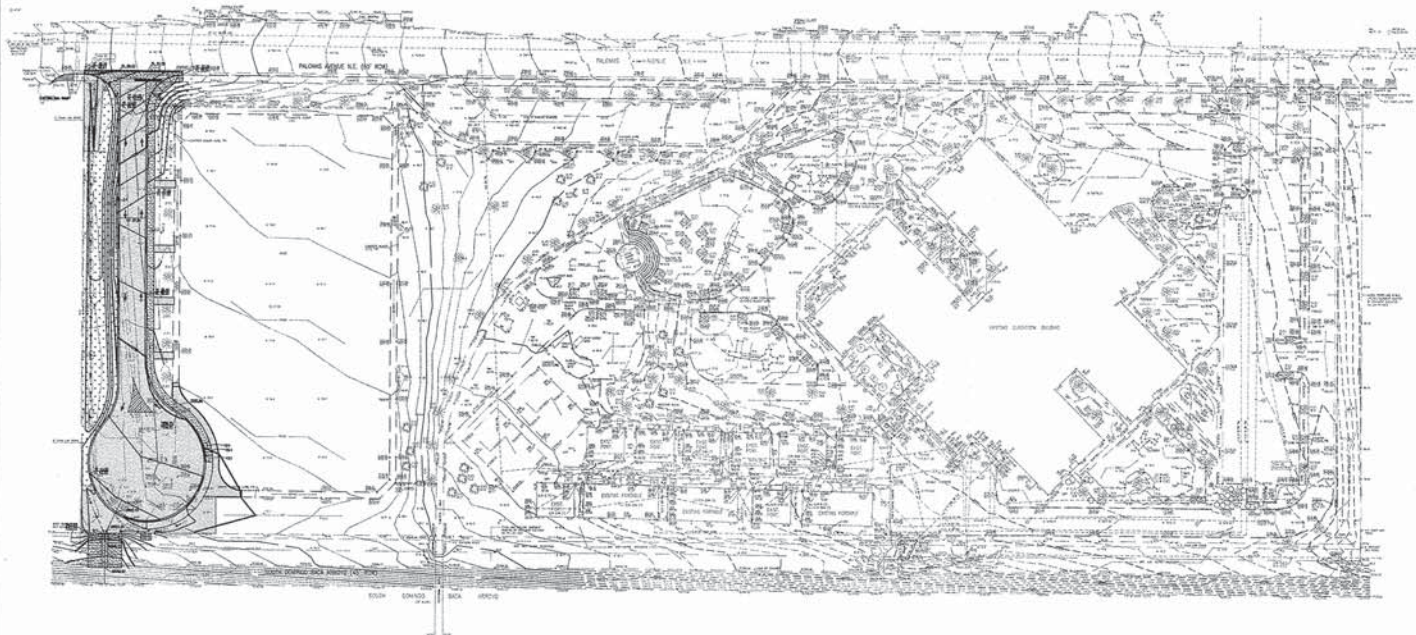
Design Review Committee 	City Engineer Approval 	No. / Date / Ver. 1 / 10 / 2005	No. / Date / Ver. 1 / 10 / 2005
City Project No. 754381	Zone Map No. D-18	Sheet 2	Of 8

SCANNED BY
PLANNING

SEE PHOTO 'A' THIS SHEET.

SEE PHOTO 'B' THIS SHEET.

SEE PHOTO 'C' THIS SHEET.



"THE SUBJECT PROPERTY IS LOCATED NEAR A FORMER LANDFILL. DUE TO THE SUBJECT PROPERTY BEING NEAR A FORMER LANDFILL, CERTAIN PRECAUTIONARY MEASURES MAY NEED TO BE TAKEN TO ENSURE THE HEALTH AND SAFETY OF THE PUBLIC. RECOMMENDATIONS MADE BY A PROFESSIONAL ENGINEER WITH EXPERTISE IN LANDFILLS AND LANDFILL GAS ISSUES (AS REQUIRED BY THE MOST CURRENT VERSION OF THE INTERIM GUIDELINES FOR DEVELOPMENT WITHIN CITY DESIGNATED LANDFILL BUFFER ZONES) SHALL BE CONSULTED PRIOR TO DEVELOPMENT OF THE SITE."

MARCIA PINCUS, PE
ALBUQUERQUE ENVIRONMENTAL HEALTH DEPARTMENT

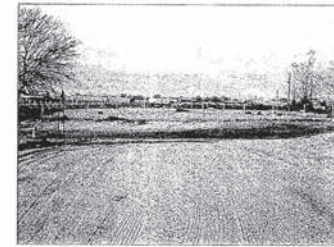


PHOTO 'A' LOOKING NORTH AT DIRT LOT ACROSS
PROPOSED ROADWAY FOR BUS DROP-OFF/PICK-UP LANE

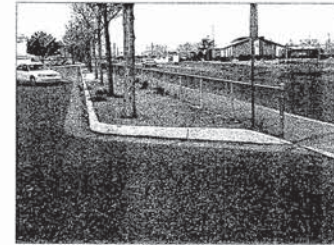


PHOTO 'B' CHURCH NORTH OF PROPOSED ROADWAY FOR
BUS DROP-OFF/PICK-UP LANE



PHOTO 'C' BUILDINGS ACROSS E.G. ROSS ELEMENTARY SCHOOL
MAIN BUILDING

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JAN 2005

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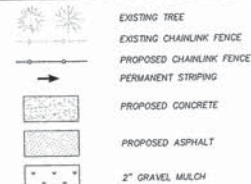
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

E. G. ROSS ELEMENTARY SCHOOL
OVERALL SITE PLAN

Design/Review Committee	City Engineer Approval	City Engineer Update
City Project No. 754381	Zone Map No. D-18	Sheet 3 of 8

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	DATE	AN ACS 1 3/4" ALUMINUM DISK STAMPED	DATE	DATE	DATE
BY	BY	"ACA BM 17-D18" IN TOP OF BRIDGE	DATE	DATE	DATE
		ABUTMENT AT THE INTERSECTION OF SAN	DATE	DATE	DATE
		PEDRO DR. N.E. AND THE SOUTH	DATE	DATE	DATE
		DOMINGO BACA CHANNEL	DATE	DATE	DATE
		ELEVATION = 5236.57 FEET	DATE	DATE	DATE
		(M.S.L.D. = 1929)	DATE	DATE	DATE





KEYED NOTES

- 1 PROPOSED 3" ASPHALT. SEE DETAIL SHEET 8 OF 8.
- 2 INSTALL PRIVATE ENTRANCE PER STD. DWG. 2426.
- 3 INSTALL HANDICAP RAMPS PER STD. DWG. 2441. CASE 1.
- 4 INSTALL STANDARD CURB & GUTTER PER STD. DWG. 2415A.
- 5 INSTALL MEDIAN CURB & GUTTER PER STD. DWG. 2415B.
- 6 INSTALL 5'-0" CHAINLINK FENCE.
- 7 INSTALL 6'-6" SIDEWALK. SEE DETAIL SHEET 8 OF 8.
- 8 12" WHITE STOP BAR (2-COAT APPLICATION).
- 9 WHITE TRAFFIC ARROW (36" H).
- 10 2" GRAVEL MULCH.
- 11 4'-45" SOLID YELLOW STRIPE (2-COAT APPLICATION). AT ~~X-X~~^{5'-0"} SPACING.
- 12 INSTALL REMOVED CHAINLINK GATE W/ APS LOCK. LOCATE GATE AT CURB RETURN.
- 13 12" WIDE STRIP ASPHALT PATCH. MATCH EXISTING TYPICAL. PER STD. DWG. 2465.
- 14 INSTALL HANDICAP CURB. PER STD. DWG. 2415A. SEE DETAIL SHEET 8 OF 8.
- 15 INSTALL HANDICAP RAMPS
- 16 INSTALL CONCRETE MOW CURB. SEE DETAIL SHEET 8 OF 8
- 17 INSTALL "STOP" SIGN. SEE DETAIL THIS SHEET. MOUNT ON BREAKAWAY POST PER MUTCO.
- 18 INSTALL 6'-0" OPENING. SEE DETAIL SHEET 8 OF 8.
- 19 PAINT ADA WHEELCHAIR RAMP ADA BLUE (2-COAT APPLICATION).
- 20 RESTORE EXISTING ASPHALT TRAFFIC AND MOW CURBS FOLLOWING FINAL GRADING OPERATIONS.
- 21 EXISTING CHAINLINK FENCE TO REMAIN.
- 22 PROPOSED 2" ASPHALT. SEE DETAIL SHEET 8 OF 8.
- 23 INSTALL "BUSES DROP-OFF/PICK-UP LANE" SIGN.
SEE DETAIL THIS SHEET. MOUNT ON BREAKAWAY POST PER MUTCO.
- 24 INSTALL MODIFIED MEDIAN CURB & GUTTER. SEE DETAILS SHEET 8 OF 8.
- 25 INSTALL CONCRETE RUNDOWN. SEE DETAILS SHEET 7 OF 8.
- 26 INSTALL 2'-0" SIDEWALK CULVERT PER STD. DWG. 2236.
- 27 INSTALL 6'-0" VALLEY GUTTER PER STD. DWG. 2420.
- 28 INSTALL UNIRECTIONAL HANDICAP RAMP PER STD. DWG. 2426
- 29 6" HEADER CURB



ADJACENT EXISTING PARKING LOT

CURB RETURN DATA

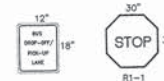
	TC	FL
1	50.35	49.73
2	—	50.66
3	52.12	51.56

① $\Delta = 89^{\circ} - 05' - 38''$
 $L = 45.87'$
 $R = 29.50'$
 $T = 29.04'$

	TC	FL
1	53.77	53.27
2	—	53.91
3	53.26	52.76

② $\Delta = 90^{\circ} - 17' - 5''$
 $L = 46.49'$
 $R = 29.50'$
 $T = 29.65'$

GRAPHIC SCALE



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WCEA #X4218050
JAN 2005

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

E. G. ROSS ELEMENTARY SCHOOL
TRAFFIC CIRCULATION LAYOUT

Design Review Committee

City Engineer Approval

Professional Engineer Seal for the State of California, No. 10000, dated 12/1/99.

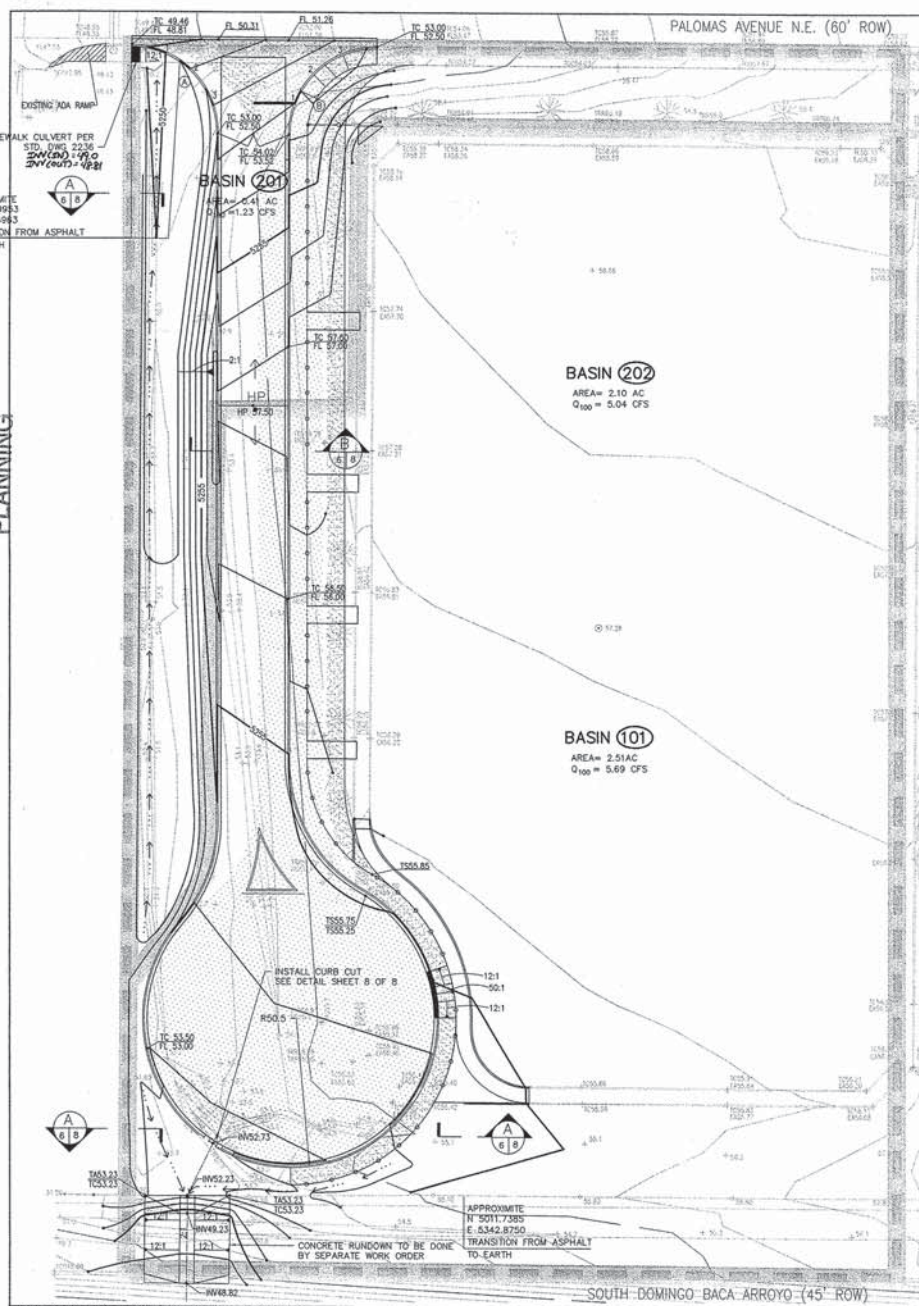
City Project No. 754381

Zone Map No.
D-18

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	Sheet	of
	5	8

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PLANNING

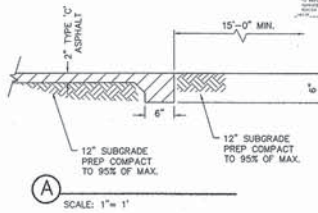


LEGEND

- EXISTING INDEX CONTOUR
- EXISTING INTERMEDIATE CONTOUR
- PROPOSED INDEX CONTOUR
- PROPOSED INTERMEDIATE CONTOUR
- EXISTING SPOT ELEVATION
- PROPOSED FLOW LINE
- PROPERTY LINE
- EXISTING BASIN BOUNDARY
- PROPOSED BASIN BOUNDARY
- EXISTING BASIN
- PROPOSED BASIN
- EXISTING TREE
- EXISTING CHAINLINK FENCE
- PROPOSED CHAINLINK FENCE
- PROPOSED CONCRETE
- PROPOSED ASPHALT
- 2" GRAVEL MULCH
- HIGH POINT
- INTENDED FLOW DIRECTION

CURB RETURN DATA

TC	FL	TC	FL
1	50.35	1	53.77
2	50.66	2	53.01
3	52.12	3	53.26
4	52.12	4	53.26
5	52.12	5	53.26
6	52.12	6	53.26
7	52.12	7	53.26
8	52.12	8	53.26
9	52.12	9	53.26
10	52.12	10	53.26



BENCH MARK

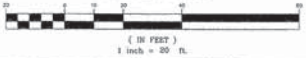
AN ACS 1 3/4" ALUMINUM DISK STAMPED "ACA BM 17-018" IN TOP OF THE BRIDGE ABUTMENT AT THE INTERSECTION OF SAN PEDRO DR. N.E. AND THE SOUTH DOMINGO BACA CHANNEL. ELEVATION = 5236.57 FEET (M.S.L.D. - 1929)

TEMPORARY BENCH MARK

T.B.M. #1 A SQUARE "I" CHISELED AT THE TOP BACK OF CURB NEAR THE NORTHWEST PROPERTY CORNER. ELEVATION = 5249.63 FEET (M.S.L.D. - 1929)

T.B.M. #2 A SQUARE "I" CHISELED AT THE TOP BACK OF CURB NEAR THE BUILDING. ELEVATION = 5279.43 FEET (M.S.L.D. - 1929)

SOUTHEAST CORNER OF THE PARKING LOT LOCATED EAST OF THE CLASSROOM. GRAPHIC SCALE



E.G. ROSS ELEMENTARY SCHOOL

Pick-Up/Drop-Off Bus Loop Lane

Drainage Report

Location: 6700 Palomas Ave. NE, Albuquerque, New Mexico 87102.

Methodology: Section 22.2 of the City of Albuquerque DPM was followed to calculate the design volume. The Arid-Lands Hydrologic Model (ALHYMO 97), distributed by Anderson Hydro was used to perform the hydrologic model. The 100-year 6-hour return frequency storm was used as the basis of this analysis.

Existing Conditions: The existing topography slopes NE to SW and NW between 1% to 7%. The Soil Survey of Sandoval County Area, New Mexico designates the existing earth as Embudo-Tijeras complex. The Embudo soil is in drainages and depressions, and the Tijeras soil is on low ridges in narrow undulations. The Tijeras soil has the profile described as representative of the Tijeras series. On both soils, runoff is medium and the hazard of water erosion is moderate. The Embudo part of this unit is subject to flooding. Control of moisture is required for proper compaction.

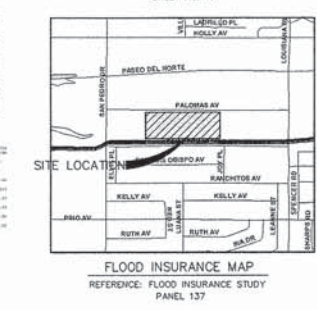
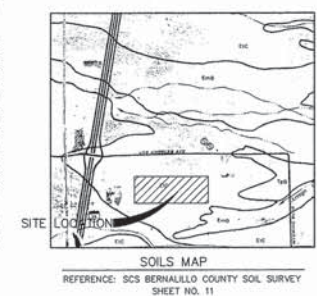
Proposed Conditions: The purpose of this Grading & Drainage Plan is to secure a rough grading permit. Improvements will consist of a pick-up/drop-off bus loop lane. The land condition will be altered. The land treatments used for ALHYMO are as follows. Basin 101 has an area of 2.5 Ac. Basin 101 consists of 1.76 Ac of Type B, 0.50Ac of Type C, and 0.25Ac of Type D land treatments. Type B accounts mostly for the grassed areas. Type C accounts for soil compacted by human activity. Type D accounts for the existing sections of asphalt. Basin 201 has an area of 0.41 Ac. Developed conditions for Basin 201 consists of 0.12 Ac of landscaped areas, type B, 0.12 Ac of soil compacted human activity, type C, and 0.17 Ac for asphalt, type D. Basin 202 has an area of 2.10 Ac. Developed conditions for Basin 202 are 1.47 Ac will be type B land treatment, this will account for the landscaped areas. For areas such as compacted soil, 0.21 Ac will be type C land treatment. The remaining 0.42 Ac were accounted for as type D land treatment.

Hydrologic Analysis: Post-development flows are determined based on the post-development watershed boundary. Proposed grading does not alter the watershed boundary. Therefore the post-development watershed boundary remains at approximately 2.51 acres.

Known: Basin 101 Q₁₀₀ = 5.69 ft³/s V₁₀₀ = 0.163 Ac-ft
Basin 201 Q₁₀₀ = 1.23 ft³/s V₁₀₀ = 0.041 Ac-ft
Basin 202 Q₁₀₀ = 5.04 ft³/s V₁₀₀ = 0.154 Ac-ft

Conclusions: Basin 201 will have a free discharge of Q₁₀₀ = 1.23 ft³/s to Palomas Ave. There are existing downstream storm drain inlets at the intersection of Palomas Ave. and San Pedro Dr. that will capture, convey, and ultimately discharge flow into the Domingo Baca Arroyo. Domingo Baca Arroyo is located on the south side of the site. Basin 202 will have a free discharge of Q₁₀₀ = 5.04 ft³/s to a proposed concrete runoff ditch which will capture, convey, and discharge into the Domingo Baca Arroyo. The pick-up/drop-off bus loop lane improvement only increases discharge by 0.58 ft³/s which does not significantly impact the Domingo Baca Arroyo.

Table with 4 columns: Station, Elevation, Slope, and Notes. It lists various points along the proposed drainage system.



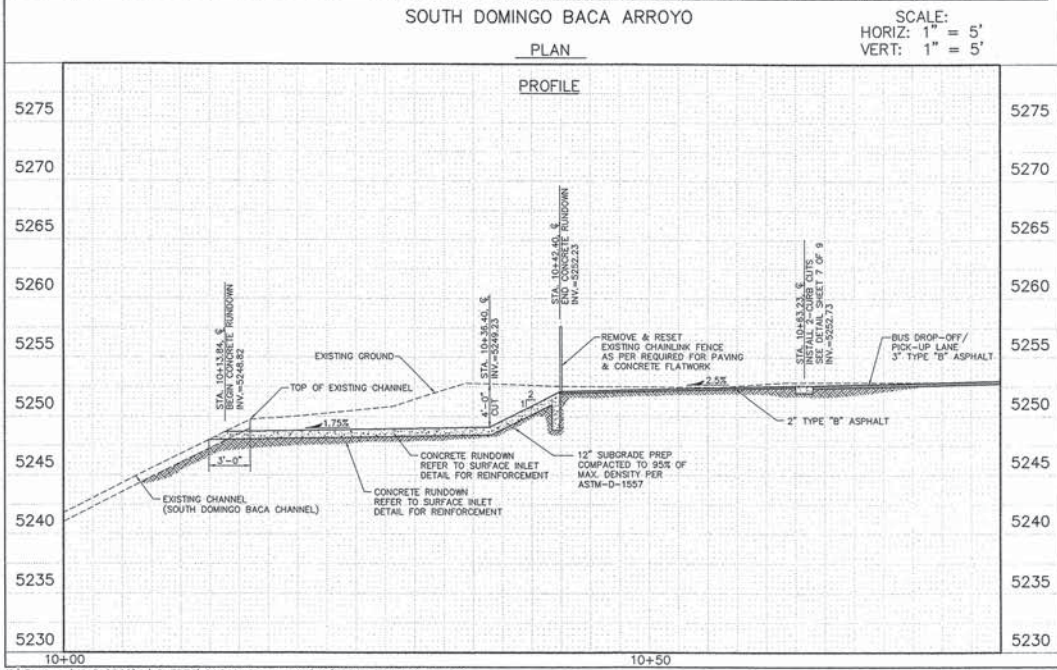
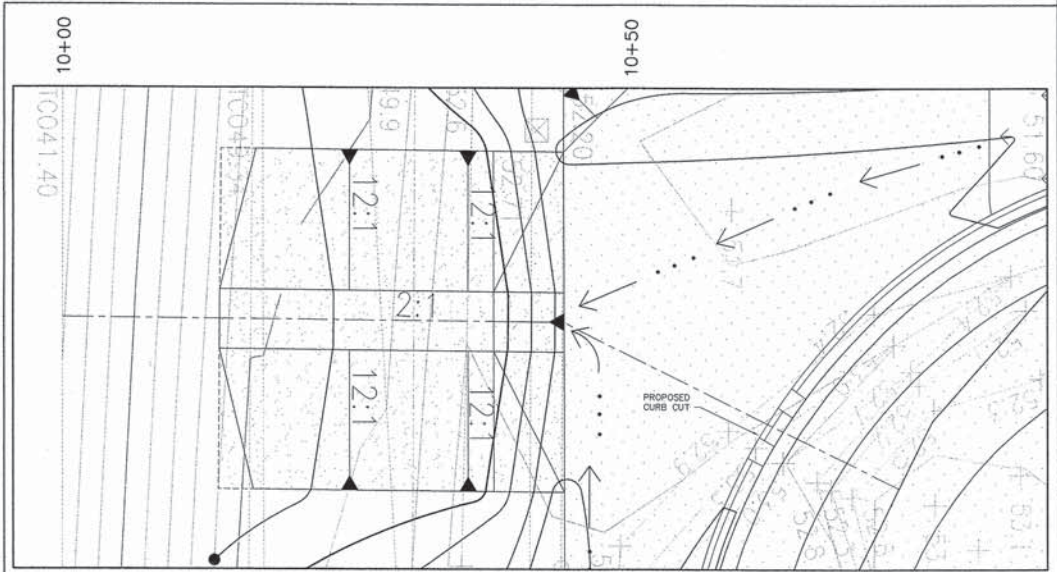
LEGAL DESCRIPTION

LOT 4-A, BLOCK 12, TRACT A, UNIT A, NORTH ALBUQUERQUE ACRES, ALBUQUERQUE, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON AUGUST 12, 1988, BOOK C37, PAGE 34.

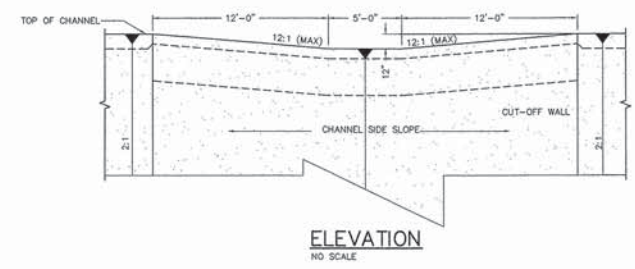
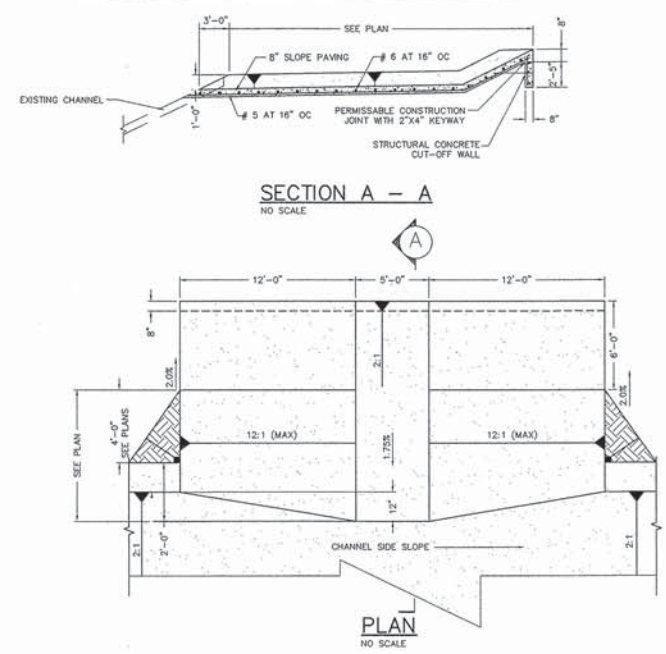
WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
NIO RANCH, NEW MEXICO
87124
(505) 986-8021

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
E. G. ROSS ELEMENTARY SCHOOL GRADING & DRAINAGE PLAN	
Design/Review/Comm/Use	City/Engineer/Approve
Mr. [Name]	Mr. [Name]
City Project No. 754381	Zone Map No. D-18
Sheet 6	of 8

SCANNED BY
PLANNING



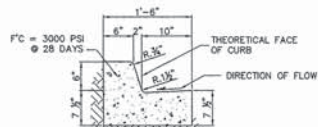
T:\Projects\X4218060\M\SHEETS\8460PNP.dwg 12/16/2004 7:29:16 AM MST



WILSON & COMPANY 2800 THE AMERICAN ROAD S.E. SUITE 100 BOKER, NEW MEXICO (505) 898-8021	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP E. G. ROSS ELEMENTARY SCHOOL PLAN & PROFILE SOUTH DOMINGO BACA ARROYO	
Design Review Committee	City Engineer Approval
City Project No. 754381	Zone Map No. D-18
Sheet 7	Of 8

AS-BUILT INFORMATION	
DATE	BY
BENCH MARKS	
AN ACS 1 3/4" ALUMINUM DISK STAMPED	
"ACA BM 17-D18" IN TOP OF ABRIDGE	
ABUTMENT AT THE INTERSECTION OF SAN	
PEDRO DR. N.E. AND THE SOUTH	
DOMINGO BACA CHANNEL	
ELEVATION = 5236.57 FEET	
(M.S.L.D.-1929)	
MICRO-FILM INFORMATION	
DATE	BY

SCALE: 1" = 1'

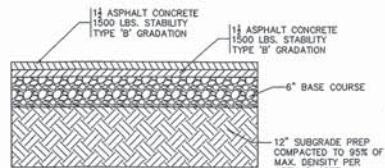


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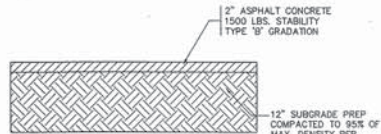
-
- 1 1/2"
- 6"
- 1 1/2"
- 12" SUBGRADE
PREP. COMPACTED
TO 95% OF MAX.

SCALE: 1" = 1'

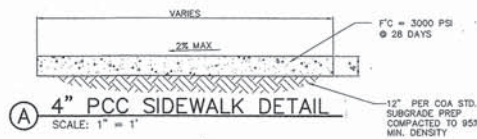
NOTE: USE SIMILAR DETAIL FOR EXISTING ASPHALT TRACK HEAD CURB REPLACEMENT.



SCALE: 1" = 1'

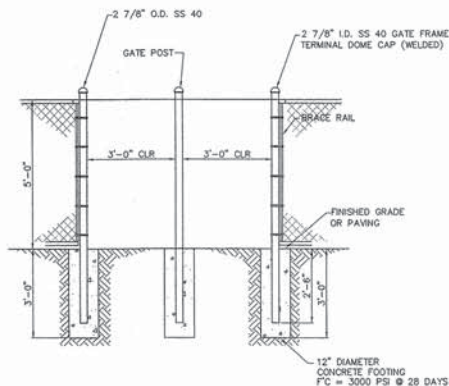


SCALE: 1" = 1'

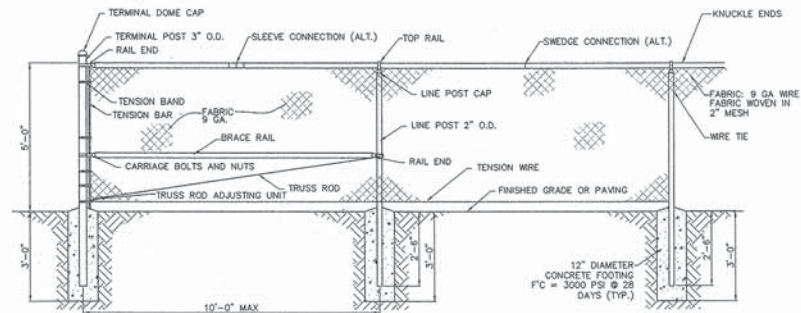


-
- CURB CUT DETAIL**

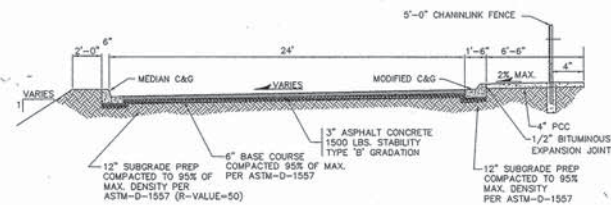
SCALE 1"= 1'



SCALE: 1" = 2'



SCALE: 1" = 2'



-



SCALE 1"= 1'

- NOTE: 1. MATCH EXISTING MOW CURB GEOMETRY.
(W=WIDTH, H=HEIGHT)
2. F^c=3000 PSI @ 28 DAYS.



WCEA #X4218060
JAN 2005

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

Design Review:  City Engineer Approval: 	Mo./Year/Th	Mo./Year/Th
Unit Design Update:		
City Project No. 754381	Zone Map No. D-18	Sheet 8 Of 8