As-built Information

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City Project Manager:	Jame Eisenberg, P.E.
City Urban Project Supervisor:	Adam Bergstrasser
City Project Coordinator:	Not Applicable
City Inspector:	Brian Besson/Richard Zamora
Contractor:	Franklins Earthmoving
Surveyor:	Andrew Medina, NMPS
Letter of Acceptance Date:	July 4, 2012

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
PLANS FOR CONSTRUCTION

SAN PEDRO STORM DRAIN

PROJECT #5304.91 + 5304.92

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APPROVAL OF RECORD DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE 2-13-13

FOR ABCWUA PORTION
WUA INSPECTOR: REUBEN ORTEGA

NOTES:

1. CONTRACTOR SHALL WORK CONTINUOUSLY, 24-HOURS PER DAY, ON ALL ARTERIAL ROADWAYS WHEN TRAFFIC LANES ARE CLOSED TO TRAFFIC UNLESS THE WORK VIOLATES THE CITY'S NOISE ORDINANCE.

2. IF THE CONTRACTOR IS NOT ALLOWED TO WORK AT NIGHT DUE TO NOISE ORDINANCE VIOLATIONS, THE CONTRACTOR SHALL OPEN ALL TRAFFIC LANES TO TRAFFIC WITH THE PROPER USE OF TRENCH PLATES DURING NON-WORKING HOURS, AND MUST WORK MINIMUM HOURS FROM 7:00 A.M. TO 10:00 P.M. MONDAY THROUGH SATURDAYS.

3. ARTERIAL STREETS ARE AS INDICATED IN THE "LONG RANGE ROADWAY SYSTEM" MAP PUBLISHED BY THE MID-REGION COUNCIL OF GOVERNMENTS (MRCOG).

DISCLOSURE STATEMENT:
"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 1000 FEET OF LANDFILLS") SHALL BE CONSULTED PRIOR TO DEVELOPMENT OF THE SITE."

APPROVED FOR CONSTRUCTION

Suzanne Bruch 9/30/09
ENVIRONMENTAL HEALTH DEPARTMENT DATE
CITY OF ALBUQUERQUE

SURVEYOR'S CERTIFICATE

I, Andrew S Medina, a duly qualified Licensed Professional Surveyor under the laws of the State of New Mexico, do hereby certify, that the "as-built" information shown on these drawings was obtained from field construction and "as-built" surveys performed by me or under my supervision that the "as built" information shown on these drawings was added by me of under my supervision; and that this "as-built" information is true and correct to the best of my knowledge and belief. I am not responsible for any of the design concepts, calculations, engineering, or intent of the record drawings.

ANDREW S. MEDINA NEW MEXICO 12649 REGISTERED PROFESSIONAL SURVEYOR

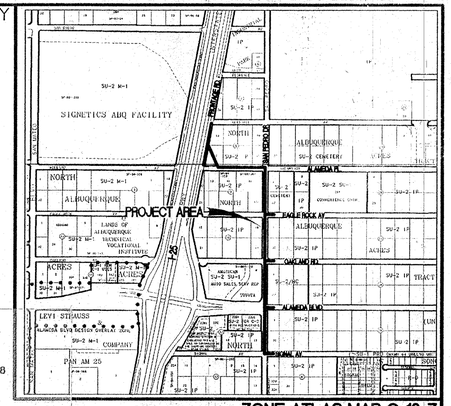
Andrew S. Medina, NMPS 12649 — Date 11-23-2012

RECORD DRAWINGS

I, DAVID B. THOMPSON OF THE FIRM THOMPSON ENGINEERING CONSULTANTS, A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY STATE THAT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE INFRASTRUCTURE FOR THIS PROJECT AS SHOWN ON THE PLANS HAS BEEN CONSTRUCTED IN GENERAL ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (INCLUDING ALL UPDATES), AND THAT THE GENERAL INTENT OF THE PLANS HAS BEEN MET EXCEPT AS NOTED ON THE RECORDED DRAWINGS. THE INFRASTRUCTURE CONSTRUCTION HAS BEEN OBSERVED BY A QUALIFIED PERSON FROM THE CITY OF ALBUQUERQUE AND THIS STATEMENT COVERS INFRASTRUCTURE INSTALLATION THAT WAS OBSERVED WHILE A REPRESENTATIVE FROM THE CITY OF ALBUQUERQUE WAS ON SITE. THIS STATEMENT IS BASED ON SITE OBSERVATIONS BY THOMPSON ENGINEERING CONSULTANTS, INC. PERSONNEL AND ON AS-BUILT INFORMATION PROVIDED TO THOMPSON ENGINEERING CONSULTANTS, INC. BY ANDREW S. MEDINA (SURVEYOR'S NAME) NMPS NUMBER 12649(PS#).

LICENSED PROFESSIONAL ENGINEER 9677 — 2-6-13

VICINITY MAP NTS



MAP NO. C-18

ZONE ATLAS MAP C-18-Z

APPROVED AS RECORD DRAWINGS
MMD/CSD
CITY CONSTRUCTION ENGINEER
DATE: 2-6-2013

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CALL BEFORE YOU DIG!
STATEWIDE
1-800-321-ALERT
ALBUQUERQUE
260-1990

RECORD DRAWINGS

Smith Engineering Company
A Full Service Engineering Company

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
P.O. BOX 65760 — PHONE: (505) 271-2199
ALBUQUERQUE, NM 87193 — FAX: (505) 830-9248

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE	APPROVED	ENGINEER	DATE
9-30-09 3-8-10	DRC Chairman		3/11/10
	Transportation		09/30/09
	Water/Wastewater		3-4-10
	Hydrology		3/4/10
	~~CIMP~~ EHD	Suzanne Bruch	9/30/09
	AMAFCA		
	Constr. Coord.		

APPROVED FOR CONSTRUCTION
CITY ENGINEER — DATE 3/11/10

PROJECT NUMBER 5304.91 — Zone Map No. C-18-Z — DRAWING NO. 1 OF 44

Q:\projects\COA San Pedro Storm Drain\PLANSET-100%\01-TITLE.dwg 9/17/2009 8:57:32 AM MST

GENERAL NOTES:

1 SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR WILL SUBMIT A DETAILED CONSTRUCTION SCHEDULE TO THE CITY CONSTRUCTION COORDINATION DIVISION. TWO (2) DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF SPECIFICATIONS.

2 THE CONTRACTOR WILL NOTIFY THE FIELD 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. THE CONTRACTOR WILL NOTIFY THE CITY SURVEYOR IF A MONUMENT IS DISTURBED. REPLACEMENT WILL BE DONE ONLY BY THE CITY SURVEY SECTION. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR WILL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4 OF SPECIFICATIONS.

3 THE SPECIFICATIONS USED FOR THIS PROJECT ARE THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1994 EDITION, UPDATE NO. 7, AMEND NO. 1.

4 ALL NEW MANHOLES SHALL BE TYPE "E" (COA DWG. 2102) UNLESS OTHERWISE NOTED ON THE PLANS.

5 THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.

6 ALL EXISTING WATER VALVE BOXES AND MANHOLES LOCATED WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE ADJUSTED TO FINISH GRADE AND WILL BE MEASURED AND PAID PER EACH.

7 SUBGRADE PREPARATION UNDER SIDEWALKS AND DRIVE PADS, AND SUBGRADE AND SUBBASE PREPARATION UNDER CURB AND GUTTER IS CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH, AND NO DIRECT PAYMENT SHALL BE MADE FOR THOSE ITEMS OF WORK.

8 THE ALBUQUERQUE WATER AUTHORITY (857-8200) WILL BE NOTIFIED BY THE CONTRACTOR SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF SPECIFICATIONS.

9 ALL EXCAVATION TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

10 ALL SIGNS AND CODING WILL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" CURRENT EDITION PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.

11 THE CONTRACTOR IS TO EXERCISE CARE TO AVOID DISTURBING ANY EXISTING UNDERGROUND UTILITIES. IT WILL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION. SEE SECTION 18 "UTILITIES", CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS.

12 WHEN ABUTTING NEW PAVEMENT TO EXISTING INTERSECTING STREETS, SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AND AT RIGHT ANGLES AND REMOVE ANY BROKEN OR CRACKED PAVEMENT. NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING.

13 ALL GAS VALVES, GAS MANHOLES, ELECTRICAL MANHOLES, TELEPHONE MANHOLES, AND UTILITY POLES WILL BE ADJUSTED TO GRADE BY EACH UTILITY COMPANY.

14 WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE BACK TO NEAREST SUITABLE JOINT UNLESS OTHERWISE DIRECTED BY THE FIELD ENGINEER.

15 THE CONTRACTOR WILL NOTIFY NEW MEXICO ONE CALL SYSTEM 260-1990 TWO (2) WORKING DAYS PRIOR TO COMMENCING WORK IN NEW AREAS.

16 CONTRACTOR WILL MAKE ALL WATER VALVES AND MANHOLES ACCESSIBLE TO THE CITY AT ALL TIMES.

17 CONTRACTOR WILL PLACE BITUMINOUS MATERIAL WITH THE USE OF A LAYDOWN MACHINE WHERE PAVEMENT IS 8 FEET IN WIDTH OR WIDER.

18 ALL SUBGRADE AND SUBBASE MATERIAL ENCOUNTERED IN PAVEMENT REMOVAL AND REPLACEMENT THAT IS DETERMINED BY THE FIELD ENGINEER TO MEET THE SPECIFICATIONS, CAN BE REUSED. HOWEVER, THE MATERIAL WILL BE PROCESSED AND COMPACTED TO MEET MOISTURE CONTENT AND PERCENT COMPACTION REQUIRED BY THE SPECIFICATIONS.

19 CONTRACTOR WILL NOT PAVE OVER ANY SURFACE FEATURE, I.E., GAS VALVE, MANHOLE COVER, ETC.

20 CONTRACTOR WILL CONFINE HIS WORK WITHIN THE EASEMENT LIMITS AND/OR RIGHT-OF-WAY, OR PROVIDE COPIES OF AGREEMENTS WITH ADJACENT LANDOWNERS TO THE CITY OF ALBUQUERQUE.

21 ALL WATER VALVE AND MANHOLE ADJUSTMENTS SHALL INCLUDE PLACEMENT OF EMD'S.

22 ALL NEW VALVES AND MANHOLES SHALL INCLUDE PLACEMENT OF EMD'S.

23 ALL WATERLINE BENDS SHALL INCLUDE PLACEMENTS OF EMD'S OVER MAIN AND CROSSINGS.

24 ALL WATER VALVES AND FIRE HYDRANTS REMOVED TO BE SALVAGED AND RETURNED TO THE A.B.C.W.U.A.

25 MINIMUM BOTTOM WIDTH OF TRENCHES FOR RIGID PIPE SHALL BE EQUAL TO THE OUTSIDE DIAMETER PLUS 18 INCHES. BEDDING MATERIAL SHALL BE CLASS II, III, OR IV UNLESS OTHERWISE SPECIFICALLY NOTED ON THE PLANS.

26 MINIMUM BOTTOM WIDTH OF TRENCHES FOR NON-RIGID PIPE SHALL BE EQUAL TO THE OUTSIDE DIAMETER PLUS 12 INCHES. BEDDING MATERIAL SHALL BE CLASS I, II, OR III. UNLESS OTHERWISE SPECIFICALLY NOTED ON THE PLANS.

27 THE CONTRACTOR AGREES TO TAKE NECESSARY SAFETY PRECAUTIONS AS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES TO PROTECT PEDESTRIAN AND VEHICULAR TRAFFIC IN THE CONSTRUCTION AREA, WHICH INCLUDE BUT ARE NOT LIMITED TO: MAINTAINING ADEQUATE WARNING SIGNS, BARRICADES, LIGHTS, GUARD FENCES, WALKS AND BRIDGES.

28 ALL STRUCTURAL CONCRETE TO BE 4000 PSI UNLESS OTHERWISE NOTED ON PLANS.

29 ALL REINFORCING STEEL TO BE GRADE 60.

30 ALL EXPOSED EDGES ON CAST-IN-PLACE CONCRETE STRUCTURES WILL HAVE A 1" CHAMFER UNLESS OTHERWISE NOTED.

31 ALL SPLICES IN REINFORCING STEEL TO BE 2-FOOT 6-INCH MINIMUM UNLESS OTHERWISE NOTED.

32 PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL CONFLICTING UTILITIES. SHOULD A CONFLICT EXIST BETWEEN THE FIELD INFORMATION AND THE PLANS, THE CONTRACTOR WILL NOTIFY THE ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.

33 THE REPLACEMENT OF THE EXISTING UTILITIES AND THE INSTALLATION OF NEW UTILITY LINES WILL BE COMPLETED IN ADVANCE OF STARTING THE PAVEMENT WORK. TEMPORARY PAVEMENT WILL BE PLACED IN ALL TRENCHES REQUIRED FOR THE UTILITY REPLACEMENTS IN THOSE AREAS THAT MUST MAINTAIN TRAFFIC UNTIL THE FINAL PAVEMENT WORK STARTS IN EACH AREA. TEMPORARY STRIPING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. MAINTENANCE OF THE TEMPORARY PAVING AND STRIPING WILL BE AT THE CONTRACTOR'S EXPENSE.

34 TACK COAT FOR SURFACE COURSE REQUIREMENTS WILL BE DETERMINED BY THE ENGINEER.

35 ALL NEW STREET PAVING, DRIVEWAYS, SIDEWALKS, AND CURB AND GUTTERS, ABUTTING EXISTING AREAS SHALL MATCH THE ELEVATION OF THOSE AREAS.

36 PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. ROAD SHALL NOT BE OPENED TO TRAFFIC UNTIL IT IS STRIPED. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

37 ALL EXCAVATED MATERIAL THAT IS NOT REQUIRED TO BE REUSED MUST BE REMOVED FROM THE PROJECT AREA WITHIN FOUR DAYS OF EXCAVATION. SPOIL PILES WILL BE ALLOWED ONLY AS DIRECTED BY THE ENGINEER.

38 THE CONTRACTOR WILL COORDINATE THE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE THEIR ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS. A CONTRACT EXTENSION MAY BE ALLOWED AS DELINEATED IN CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.

39 EXISTING STANDARD CURB AND GUTTER, NOT DISTURBED BY CONTRACTOR, BUT OUT OF ALIGNMENT, DISPLACED VERTICALLY, BADLY BROKEN AND/OR DETERIORATED, WILL BE REPLACED AS DIRECTED BY THE ENGINEER AND PAID FOR AT CONTRACT UNIT PRICES.

40 ALL TRAFFIC CONTROL DEVICES REQUIRED FOR DRIVEWAY CLOSURES, UTILITY CONSTRUCTION OR FOR OTHER REASONS AND NOT SHOWN ON THE SIGNING PLANS WILL BE FURNISHED BY THE CONTRACTOR AND WILL BE PAID AS SPECIFIED IN THE TECHNICAL SPECIFICATIONS AND BID PROPOSAL. PRIOR TO PLACING THE TRAFFIC CONTROL DEVICES, THE CONTRACTOR WILL NOTIFY THE AFFECTED OWNERS IN ACCORDANCE WITH THE SPECIFICATIONS. CONTRACTOR MUST MAKE PROVISIONS TO PROVIDE ACCESS TO PROPERTIES. REFER TO SECTION 19 OF THE SPECIFICATIONS.

41 ALL UTILITY LINES AND STORM DRAIN LINES WHICH ARE NOT SPECIFICALLY DESIGNATED TO BE REMOVED AND REPLACED ON THE PLANS, WILL BE MAINTAINED IN SERVICE. SHORING, SHEETING AND OTHER MEANS OF SUPPORT SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT DAMAGE OR LOSS OF THESE EXISTING UTILITIES. BEAM AND CABLE OR OTHER ADEQUATE SUPPORTS WILL BE USED FOR TEMPORARY SUPPORT OF ALL UTILITY LINES WHICH CROSS THE TRENCH. ANY DAMAGE TO EXISTING UTILITIES AND STORM DRAINS WILL PROMPTLY BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR WILL NOTIFY THE ENGINEER IMMEDIATELY OF ANY SIGNIFICANT DEVIATION OF EXPOSED UTILITIES FROM THE LOCATIONS SHOWN ON THE PLANS SO THAT CONFLICTS CAN BE RESOLVED IN A TIMELY MANNER.

42 WATER SERVICE LINE RELOCATIONS WILL REQUIRE A NEW COPPER SERVICE BETWEEN THE MAIN LINE AND THE METER. SPLICES WILL NOT BE ALLOWED.

43 FIRE HYDRANTS TO BE RELOCATED SHALL BE SALVAGED TO THE WATER AUTHORITY AND REPLACED WITH A NEW UNIT AS ALLOWED BY THE AUTHORITY'S APPROVED PRODUCTS LIST.

44 THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING COA INFRASTRUCTURE (C & G, PAVING, ETC.) DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND WILL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE. HE WILL SUITABLY PROTECT THE CURB AND GUTTER FROM INCIDENTAL SPLASHING DURING THE TACK COAT APPLICATION AND WILL BE RESPONSIBLE FOR CLEANING SAME AT HIS OWN COST SHOULD SPLASHING OCCUR.

45 ALL INTERFERING PORTIONS OF ABANDONED UTILITY LINES WHICH ARE EXPOSED AS A RESULT OF CONSTRUCTION WILL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

46 STATIONS OF STORM DRAIN INLETS ARE TO THE CENTER OF GRATE. ALL STORM DRAIN INLETS WILL BE TYPE "A" UNLESS OTHERWISE NOTED ON THE PLANS.

47 SHORING COSTS WILL BE CONSIDERED INCIDENTAL TO THE TRENCH AND BACKFILL COSTS.

48 THE CONTRACTOR WILL BE RESPONSIBLE FOR SECURING NPDES PERMITS REQUIRED BY APPLICABLE CITY, STATE, AND FEDERAL REGULATIONS.

49 ALL STORM DRAIN AND CONNECTOR PIPE WILL BE CLASS IV REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED ON THE PLANS.

50 THE TERM REMOVE USED IN THIS PLAN SET INCLUDES THE DISPOSAL OF SAID MATERIAL IN ACCORDANCE WITH CITY OF ALBUQUERQUE SPECIFICATIONS, LATEST EDITION.

51 CONTRACTOR WILL SURVEY AND LOG EXISTING ELEVATIONS OF CURB-AND-GUTTER, SIDEWALK, AND PAVEMENT WHICH WILL BE REMOVED FOR CONSTRUCTION OF IMPROVEMENTS. CONTRACTOR WILL REPLACE REMOVED CURB-AND-GUTTER, SIDEWALK, DRIVE PADS, AND PAVEMENT TO ELEVATIONS PRIOR TO REMOVAL UNLESS OTHERWISE INDICATED ON THE PLANS.

52 CONTRACTOR WILL CONSTRUCT TEMPORARY ASPHALT PAVEMENT AS DIRECTED BY THE ENGINEER TO PROVIDE ACCESS TO LOCAL BUSINESS, ETC. TEMPORARY PAVEMENT SHALL BE REMOVED AND DISPOSED OF PRIOR TO PLACEMENT OF FULL WIDTH PAVEMENT SECTION. TEMPORARY PAVING SHALL BE PER COA STD. DWG. 2415 AND PAID FOR PER COA STD. SPECIFICATIONS.

53 CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

54 ALL STRIPING ON C.O.A STREETS REMOVED OR DAMAGE MUST BE REPLACED WITH PLASTIC. STRIPING ERADICATION SHALL BE ACCOMPLISHED BY WATER BLASTING OR SURFACE PLANING OF THE ROADWAY TO A MAXIMUM DEPTH OF 0.25 INCHES AND FOR A WIDTH EQUAL TO TWO TIMES THE WIDTH OF THE STRIPE OR MARKING TO BE REMOVED.

55 RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.

56 ALL DISTURBED GROUND AREAS SHALL BE REVEGETATED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SECTION 1012 NATIVE GRASS SEEDING, AS CURRENTLY UPDATED.

57 IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE MEASURES TO PREVENT ABRUPT PAVEMENT CHANGES. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.

58 THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE C.O.A.

59 HEALTH AND SAFETY NOTE: THIS PROJECT IS BEING PERFORMED ON AND/OR NEAR A FORMER LANDFILL. THE CONTRACTOR IS RESPONSIBLE FOR THE HEALTH AND SAFETY OF HIS/HER WORKERS. THE WORK DETAILED IN THE PROJECT MAY REQUIRE THAT A HEALTH AND SAFETY PLAN BE PREPARED ACCORDING TO OSHA 1910.120. COSTS ASSOCIATED WITH THE HEALTH AND SAFETY PLAN SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

60 ALL Q'S, V'S AND HGL'S SHOWN ON THE PLAN AND PROFILE SHEETS ARE FOR THE 100-YEAR EVENT.

LEGEND:

EXISTING FIRE HYDRANT
EXISTING WATER VALVE
EXISTING IRRIGATION CONTROL VALVE
EXISTING WATER METER
EXISTING SAS MANHOLE
EXISTING STORM MANHOLE
EXISTING COMMUNICATION PEDESTAL
EXISTING ELECTRIC BOX
EXISTING GAS METER
EXISTING PULLBOX
EXISTING CATV PEDESTAL
EXISTING STREET LIGHT
EXISTING POWER POLE
EXISTING MAILBOX
EXISTING SIGN
EXISTING FENCE LINE
EXISTING WALL
EXISTING STORM DRAIN

EXISTING CONTROL POINTS
POT HOLE
PROPOSED CENTERLINE
PROPOSED 4" PERFORATED PIPE
PROPOSED FENCE
PROPOSED STORM DRAIN
PROPOSED MANHOLE
PROPOSED STORM INLET
PROPOSED ASPHALT CURB
PROPOSED CURB & GUTTER
PROPOSED ARTERIAL PAVEMENT
PROPOSED TEMPORARY PAVEMENT
EXISTING STORM DRAIN TO BE REMOVED

RECORD DRAWING

SURVEY INFORMATION — FIELD NOTES

NO.	BY	DATE

BENCH MARKS — STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED BETWEEN ALAMEDA PL. & EAGLE ROCK RD ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-O=0.999665042
Δ X=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY Sandia Land Surveying DATE 11-2004
INSPECTORS FIELD NOTES BY TEC DATE 12-2004
FIELD VERIFICATION BY Sandia Land Surveying DATE 1-2005
DRAWINGS CORRECTED BY DATE

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL

NO.	DATE	REVISIONS	BY
		DESIGN	
		REMARKS	
		DESIGNED BY D.E.M.	DATE 3-10
		DRAWN BY D.E.M.	DATE 3-10
		CHECKED BY D.B.T.	DATE 3-10

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P.O. BOX 65760 ALBUQUERQUE, NM 87193
PHONE: (505) 271-2199
FAX: (505) 830-9246

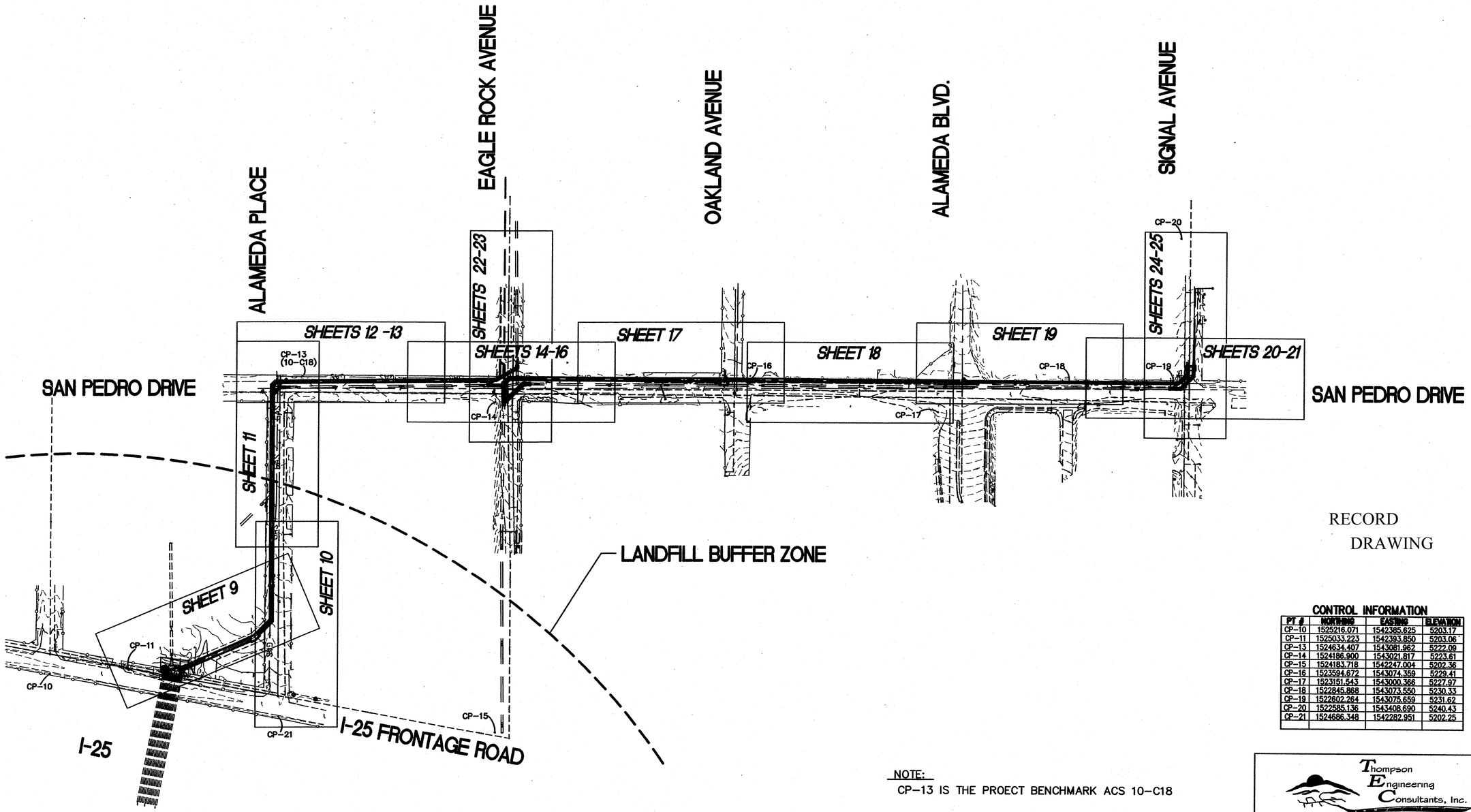
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: SAN PEDRO STORM DRAIN
GENERAL NOTES & LEGEND

Design Review Committee: APPROVED MAR 11 2010 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2010 CITY ENGINEER
Last Design Update: No. / Day / Yr.

City Project No. 5304.91
Zone Map No. C-18-Z
Sheet 2 Of 44

Q:\projects\COA San Pedro Storm Drain\PLANSET-100%\02-GENERAL_NOTES.dwg 7/21/2009 21805 PM MST



RECORD
DRAWING

CONTROL INFORMATION

PT #	NORTHING	EASTING	ELEVATION
CP-10	1525216.071	1542385.625	5203.17
CP-11	1525033.223	1542393.850	5203.06
CP-13	1524634.407	1543081.962	5222.09
CP-14	1524186.900	1543021.817	5223.61
CP-15	1524183.718	1542247.094	5202.36
CP-16	1523594.672	1543074.359	5229.41
CP-17	1523151.543	1543000.366	5227.97
CP-18	1522845.868	1543073.550	5230.33
CP-19	1522602.264	1543075.659	5231.62
CP-20	1522585.136	1543408.690	5240.43
CP-21	1524686.348	1542282.951	5202.25

NOTE:
CP-13 IS THE PROECT BENCHMARK ACS 10-C18

GRAPHIC SCALE
120 0 60 120 240 480
(IN FEET)
1 inch = 120 ft.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4" ALUMINUM DISK RIVETED TO PIPE LOCATED BETWEEN ALAMEDA PL. & EAGLE ROCK RD ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.283
G-C=0.999665042
ΔX-C= 0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: SOMS DATE: 11-2012
ACCEPTANCE BY: TEC DATE: 12-2012
FIELD VERIFICATION BY: SOMS DATE: 1-2013
DRAWINGS CORRECTED BY: SOMS DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
TIMOTHY E. CHAMBERLIN 9677 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY D.E.M. DATE 3-10
DRAWN BY D.E.M. DATE 3-10
CHECKED BY D.B.T. DATE 3-10

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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

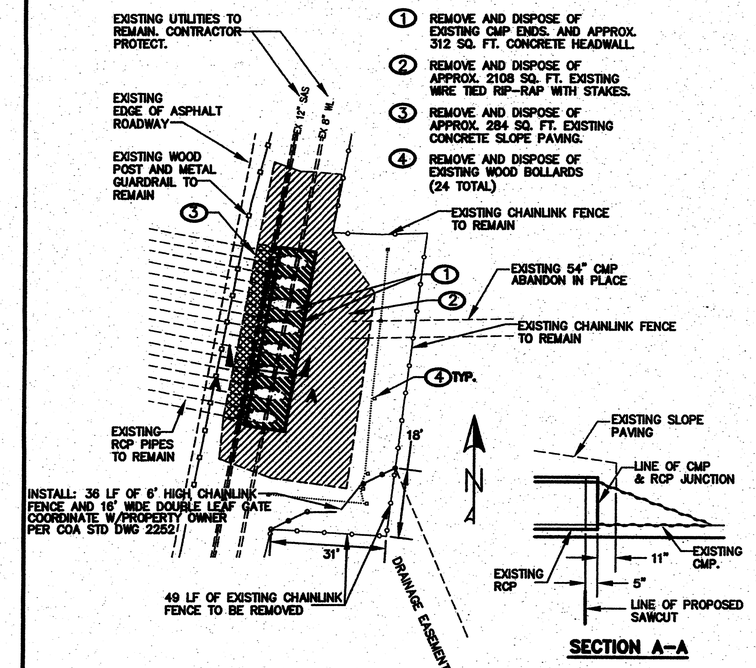
TITLE:
SAN PEDRO STORM DRAIN OVERALL LAYOUT

Design Review Committee: APPROVE MAR 11 2013 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVE MAR 11 2013 CITY ENGINEER
Last Design Update
No. / Bay / Yr.

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 3 Of 44

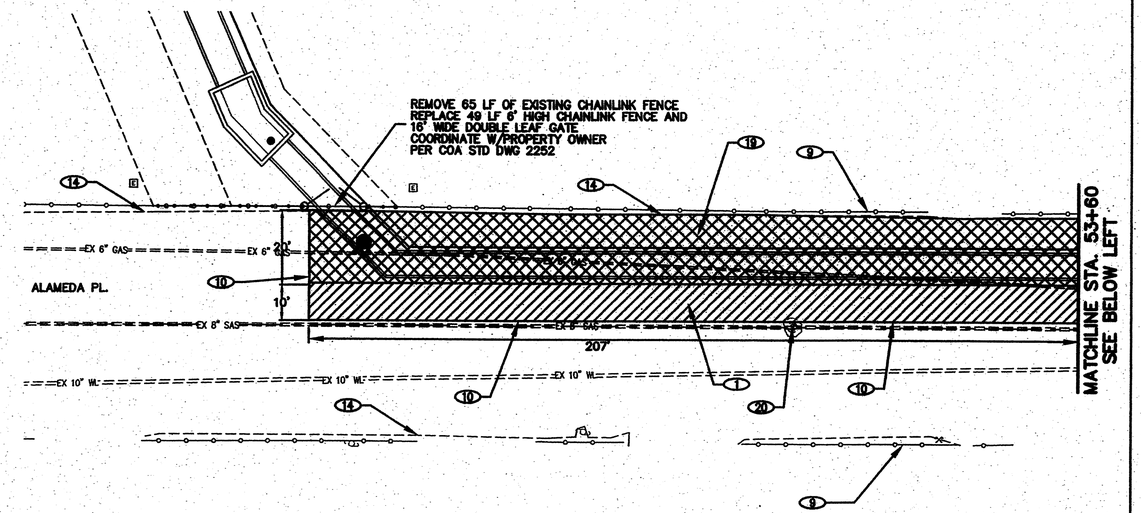
G:\Projects\COA San Pedro Storm Drain\PLANSET-100%\03-OVERALL.dwg 2/19/2010 12:47:03 PM MST

KEYED NOTES:



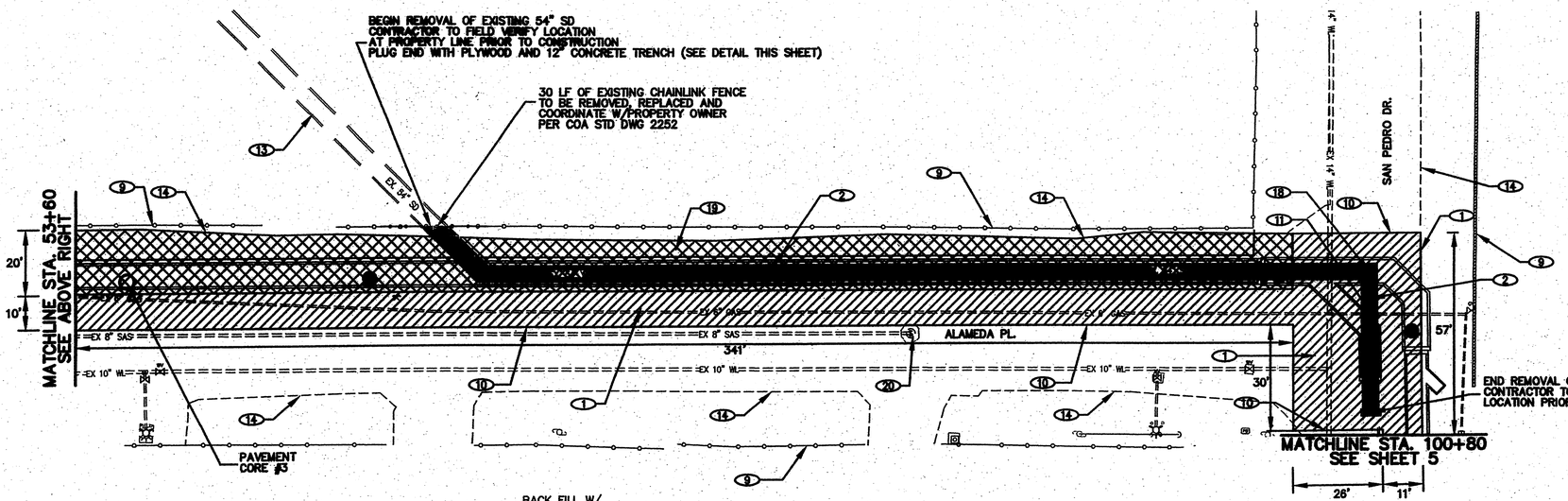
SECTION A–A

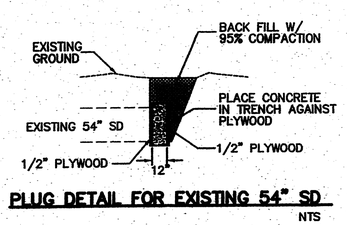
1. REMOVE AND DISPOSE OF EXISTING CMP ENDS. AND APPROX. 312 SQ. FT. CONCRETE HEADWALL.
2. REMOVE AND DISPOSE OF APPROX. 2108 SQ. FT. EXISTING WIRE TIED RIP–RAP WITH STAKES.
3. REMOVE AND DISPOSE OF APPROX. 284 SQ. FT. EXISTING CONCRETE SLOPE PAVING.
4. REMOVE AND DISPOSE OF EXISTING WOOD BOLLARDS (24 TOTAL)



KEYED NOTES:

1. REMOVE AND DISPOSE EXISTING PAVEMENT. REPLACE ARTERIAL PAVEMENT PER COA STD DWG 2465 SEE SHEET 8 FOR PAVEMENT SECTION
2. REMOVE AND DISPOSE EXISTING 54" RCP STORM DRAIN.
3. NOT USED
4. NOT USED
5. NOT USED
6. NOT USED
7. NOT USED
8. NOT USED
9. EXISTING FENCE OR WALL TO REMAIN AND BE PROTECTED
10. SAWCUT NEAT LINES IN PAVEMENT BEFORE REMOVAL
11. EXISTING GAS LINE TO BE REMOVED AND RELOCATED (BY OTHERS)
12. EXISTING 54" SD TO REMAIN
13. EXISTING 54" SD TO BE ABANDONED IN PLACE
14. EXISTING EDGE OF PAVEMENT
15. NOT USED
16. POWER POLE TO REMAIN AND BE PROTECTED
17. NOT USED
18. REMOVE AND DISPOSE EXISTING 6' DIA. MH.
19. REMOVE AND DISPOSE EXISTING TEMPORARY PAVEMENT. REPLACE EXISTING TEMPORARY PAVEMENT. PER COA STD DWG 2465. SEE SHEET 8 FOR PAVEMENT SECTION.
20. ADJUST MANHOLE LIDS AND COLLARS TO MATCH FINISHED GRADE PER COA STD DWG 2460





PLUG DETAIL FOR EXISTING 54" SD
NTS

RECORD DRAWING

GENERAL NOTES:

1. CONTRACTOR SHALL REPLACE ANY STRIPING AND SIGNAGE THAT IS REMOVED THROUGHOUT ENTIRE PROJECT.
2. PAY LIMITS FOR PAVEMENT REMOVAL AND REPLACMENT ARE SHOWN AS DIMENSIONED ON THIS SHEET

20' 10' 0 20' 40'
SCALE: 1" = 20'

10' 5' 0 2.5' 5'
SCALE: 1" = 5'

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: Straight Lines Contract DATE 1-2012
ACCEPTANCE BY: T&C DATE 2-2012
VERIFICATION OF BENCHMARKS BY: Straight Lines Contract DATE 1-2012
DRAWINGS CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED BETWEEN ALAMEDA PL. & EAGLE ROCK RD ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
0–0=0.999865042
Δ X=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
			DESIGNED BY D.E.M. DATE 3-10
			DRAWN BY D.E.M. DATE 3-10
			CHECKED BY D.B.T. DATE 3-10

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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **SAN PEDRO STORM DRAIN**
REMOVAL AND PAVING SHEET ALAMEDA PLACE

Design Review Committee: APPROVED MAR 1 1 2010 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 1 1 2010 CITY ENGINEER
Last Design Update

No. / Bay / Yr.	No. / Bay / Yr.

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 4 Of 44

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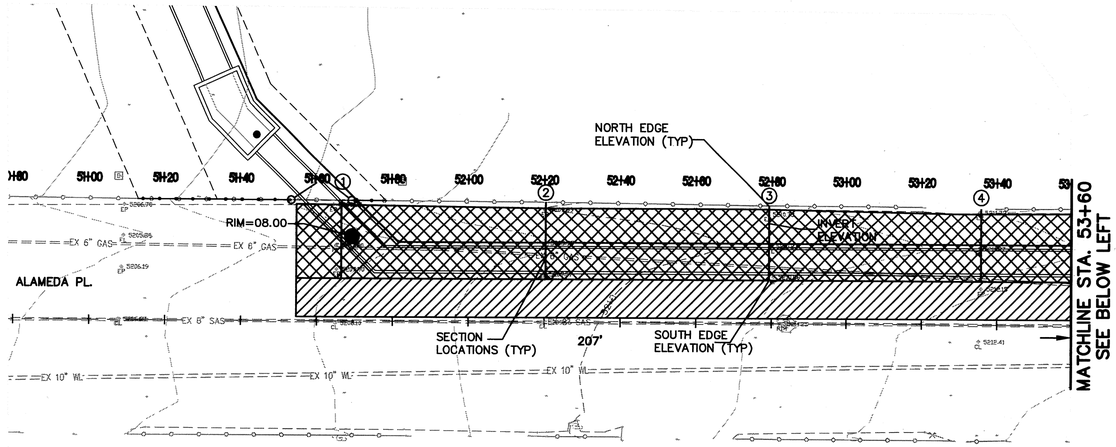
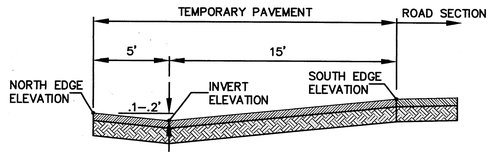
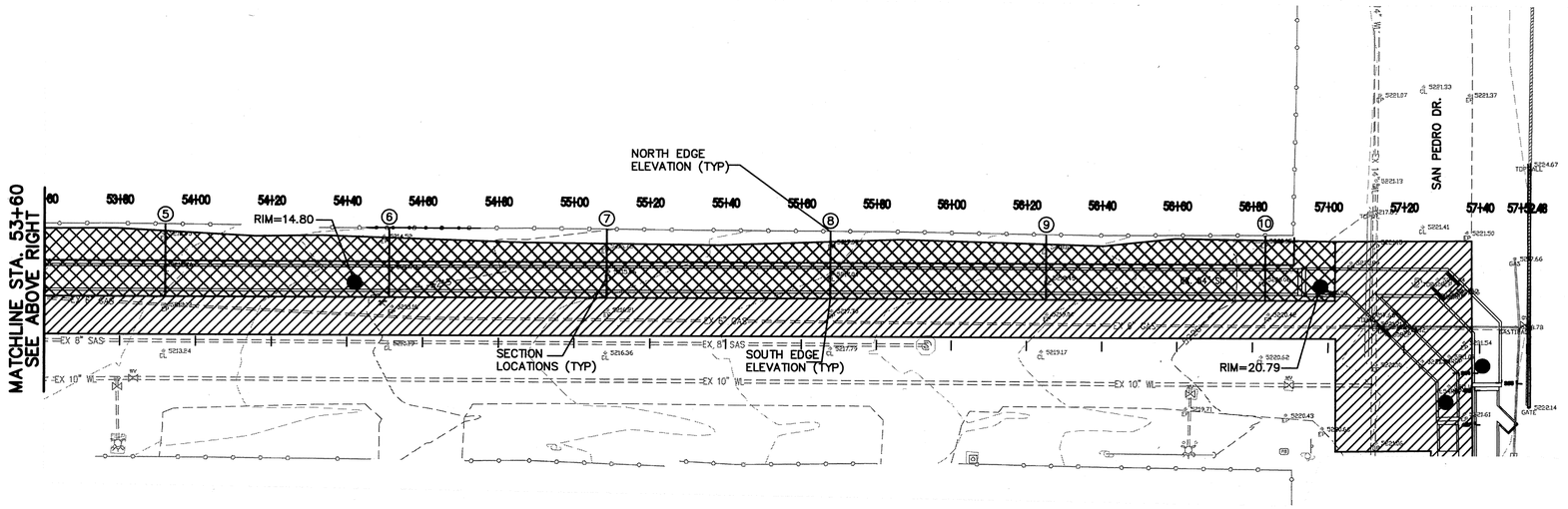




SECTION
NTS

SECTION ELEVATIONS

SECTION (#)	NORTH EDGE ELEV.	INVERT ELEV.	SOUTH EDGE ELEV.
1	8.00	7.80	7.90
2	9.60	9.40	9.60
3	10.73	10.73	10.85
4	11.73	11.53	11.95
5	12.95	12.75	13.00
6	14.52	14.32	14.70
7	15.72	15.52	15.90
8	17.10	16.90	17.40
9	18.67	18.45	18.90
10	20.30	20.06	20.32



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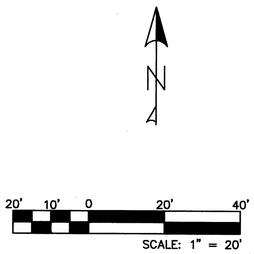

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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **SAN PEDRO STORM DRAIN**
ALAMEDA PLACE TEMPORARY PAVEMENT ELEVATIONS

Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 4a Of 44

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY Sandia Land Surveying DATE 11-2011
INSPECTORS ACCEPTANCE BY TEC DATE 12-2011
FIELD VERIFICATION BY Sandia Land Surveying DATE 11-2011
CORRECTED BY DATE

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4" ALUMINUM DISK RIVETED TO PIPE LOCATED BETWEEN ALAMEDA PL. & EAGLE ROCK RD ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999665042
△X=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

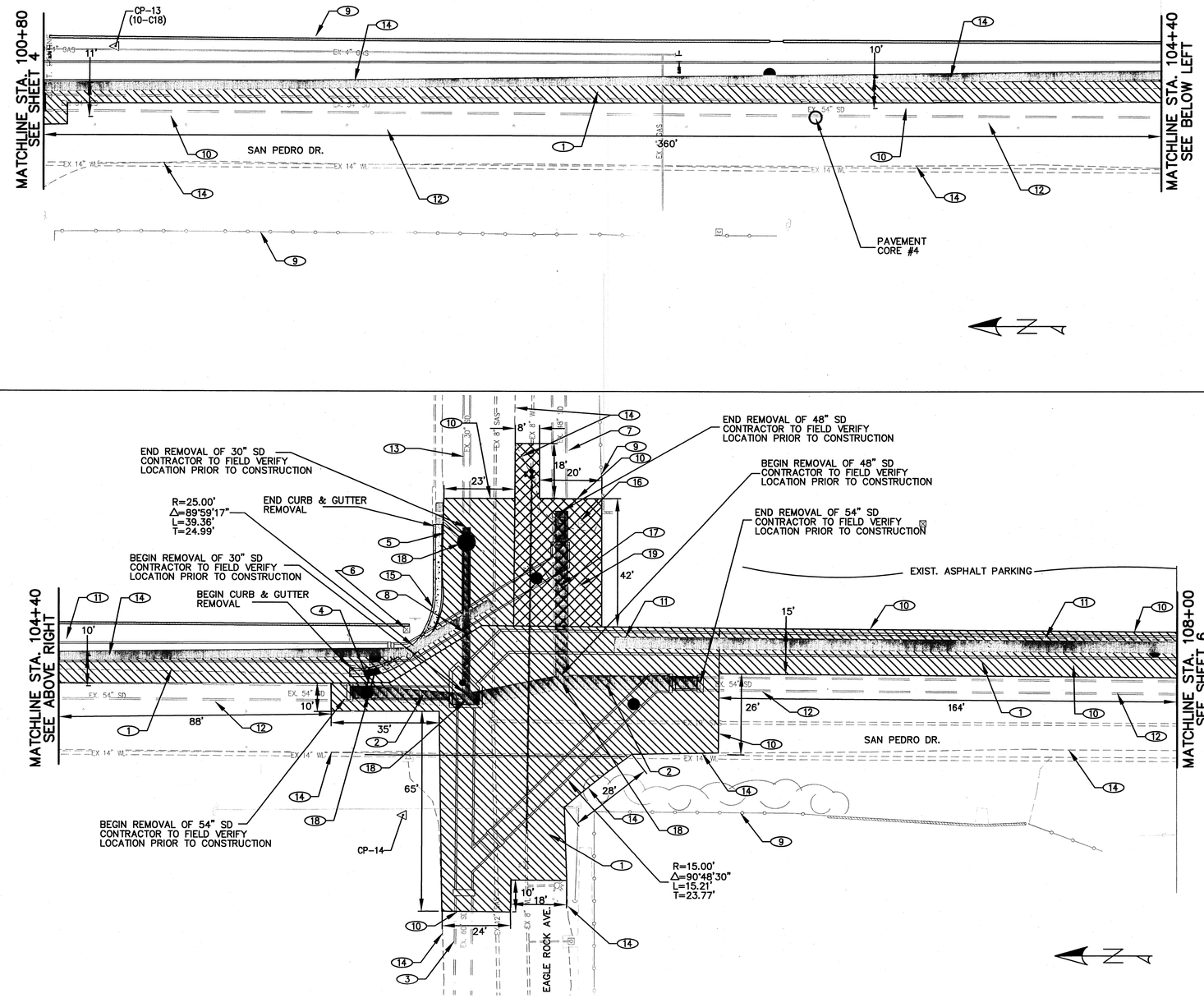
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL
NEW MEXICO 9677 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY D.E.M.	DATE 3-10
		DRAWN BY D.E.M.	DATE 3-10
		CHECKED BY D.B.T.	DATE 3-10

Q:\projects\CDA San Pedro Storm Drain\PLANSET-100%\04-ALAMEDA-REVISED-GD.dwg 6/22/2011 4:15:43 PM MDT



KEYED NOTES:

1. REMOVE AND DISPOSE EXISTING PAVEMENT. REPLACE ARTERIAL PAVEMENT PER COA STD DWG 2465 SEE SHEET 8 FOR PAVEMENT SECTION
2. REMOVE AND DISPOSE EXISTING 54" RCP STORM DRAIN.
3. EXISTING 60" SD TO REMAIN
4. REMOVE AND DISPOSE EXISTING STORM INLET AND CONNECTOR PIPE.
5. REMOVE AND DISPOSE EXISTING 18" RCP STORM DRAIN CONNECTOR PIPE AND INSTALL NEW 18" RCP STORM DRAIN
6. EXISTING PEDESTAL TO BE REMOVED AND RELOCATED (BY OTHERS)
7. EXISTING 48" SD TO REMAIN
8. REMOVE AND DISPOSE EXISTING 30" RCP STORM DRAIN
9. EXISTING FENCE OR WALL TO REMAIN AND BE PROTECTED
10. SAWCUT NEAT LINES IN PAVEMENT BEFORE REMOVAL
11. EXISTING GAS LINE TO BE REMOVED AND RELOCATED (BY OTHERS)
12. EXISTING 54" SD TO REMAIN
13. EXISTING 30" SD TO REMAIN
14. EXISTING EDGE OF PAVEMENT
15. REMOVE AND DISPOSE EXISTING CURB AND GUTTER REPLACE STANDARD CURB AND GUTTER PER COA DWG #2415A MATCH TO EXISTING GRADE.
16. POWER POLE TO REMAIN AND BE PROTECTED
17. REMOVE AND DISPOSE EXISTING 48" RCP STORMDRAIN
18. REMOVE AND DISPOSE EXISTING MANHOLE
19. REMOVE AND DISPOSE EXISTING TEMPORARY PAVEMENT. REPLACE EXISTING TEMPORARY PAVEMENT. PER COA STD DWG 2465. SEE SHEET 8 FOR PAVEMENT SECTION.

GENERAL NOTES:

1. CONTRACTOR SHALL REPLACE ANY STRIPING AND SIGNAGE THAT IS REMOVED THROUGHOUT ENTIRE PROJECT.
2. PAY LIMITS FOR PAVEMENT REMOVAL AND REPLACMENT ARE SHOWN AS DIMENSIONED ON THIS SHEET

SCALE: 1" = 20'

SCALE: 1" = 5'

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: Sandia Land Surveying DATE: 11-2010
ACCEPTANCE BY: TEC DATE: 12-2010
FIELD VERIFICATION BY: Sandia Land Surveying DATE: 4-2011
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4" ALUMINUM DISK RIVETED TO PIPE LOCATED BETWEEN ALAMEDA PL. & EAGLE ROCK RD ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999665042
△X=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL
NEW MEXICO 9987 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY D.E.M.	DATE 3-10
		DRAWN BY D.E.M.	DATE 3-10
		CHECKED BY D.B.T.	DATE 3-10

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tecnm@yahoo.com
P.O. BOX 65760 ALBUQUERQUE, NM 87193
PHONE: (505) 271-2199 FAX: (505) 830-9248

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE:
SAN PEDRO STORM DRAIN REMOVAL AND PAVING SHEET SAN PEDRO DR.

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

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 5 Of 44

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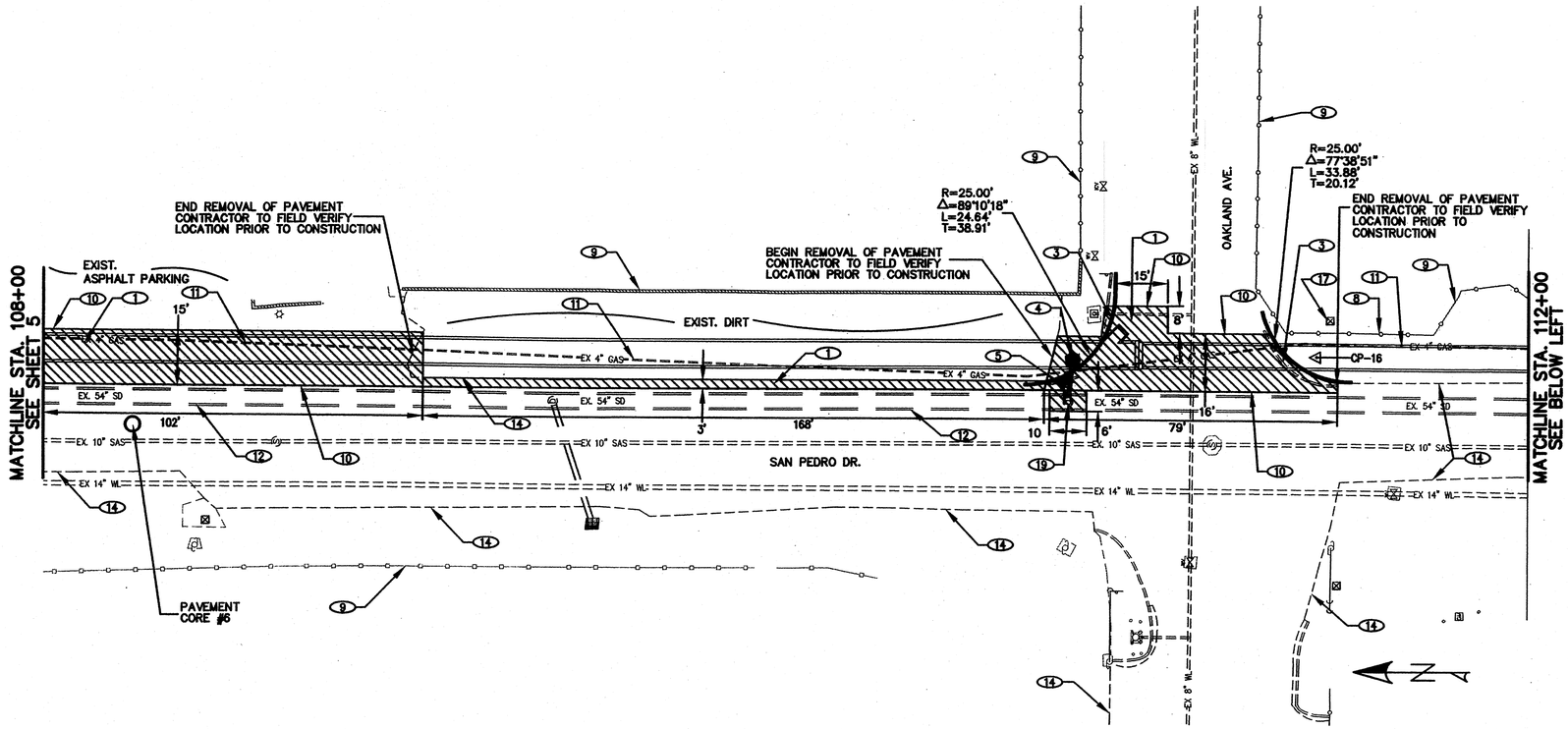

KEYED NOTES:

1. REMOVE AND DISPOSE EXISTING PAVEMENT. REPLACE ARTERIAL PAVEMENT PER COA STD DWG 2465 SEE SHEET 8 FOR PAVEMENT SECTION
2. REMOVE AND REPLACE EXISTING 1" WATER SERVICE
3. REMOVE AND DISPOSE EXISTING ASPHALT CURB. REPLACE ASPHALT CURB PER COA DWG #2415B MATCH TO EXISTING GRADE.
4. REMOVE AND DISPOSE EXISTING STORM INLET
5. REMOVE AND DISPOSE EXISTING 18" RCP STORM DRAIN CONNECTOR PIPE
6. NOT USED
7. NOT USED
8. EXISTING CHAINLINK FENCE TO BE REMOVED AND REPLACED. COORDINATE W/PROPERTY OWNER PER COA STD DWG 2252.
9. EXISTING FENCE OR WALL TO REMAIN AND BE PROTECTED
10. SAWCUT NEAT LINES IN PAVEMENT BEFORE REMOVAL
11. EXISTING GAS LINE TO BE REMOVED AND RELOCATED (BY OTHERS)
12. EXISTING 54" SD TO REMAIN
13. NOT USED
14. EXISTING EDGE OF PAVEMENT
15. NOT USED
16. NOT USED
17. EXISTING PEDESTAL TO BE REMOVED AND RELOCATED (BY OTHERS)
18. REMOVE AND DISPOSE EXISTING MANHOLE
19. ADJUST MANHOLE LIDS AND COLLARS TO MATCH FINISHED GRADE PER COA STD DWG 2460

GENERAL NOTES:

1. CONTRACTOR SHALL REPLACE ANY STRIPING AND SIGNAGE THAT IS REMOVED THROUGHOUT ENTIRE PROJECT.
2. PAY LIMITS FOR PAVEMENT REMOVAL AND REPLACMENT ARE SHOWN AS DIMENSIONED ON THIS SHEET

SCALE: 1" = 20'

SCALE: 1" = 5'

RECORD DRAWING

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY
ACCEPTANCE BY TEC
FIELD VERIFICATION BY
DRAWINGS CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.9996650 42
ΔX=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1986)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL

REMARKS
REVISIONS
NO. DATE BY
DESIGN
DESIGNED BY D.E.M. DATE 3-10
DRAWN BY D.E.M. DATE 3-10
CHECKED BY D.B.T. DATE 3-10

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PHONE: (505) 271-2199
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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE:
SAN PEDRO STORM DRAIN
REMOVAL AND PAVING SHEET SAN PEDRO DR.

Design Review Committee: APPROVED MAR 11 2010 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2010 CITY ENGINEER
Last Design Update
No. / Day / Yr.

City Project No. 5304.91
Zone Map No. C-18-Z
Sheet 6 Of 44

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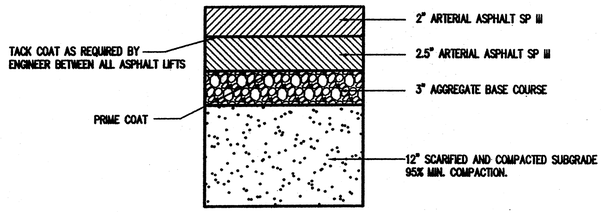
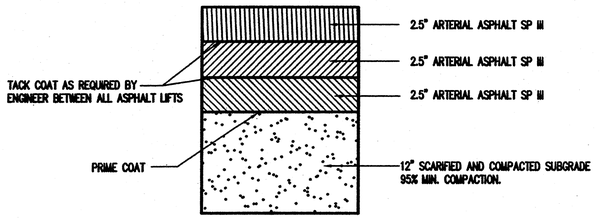


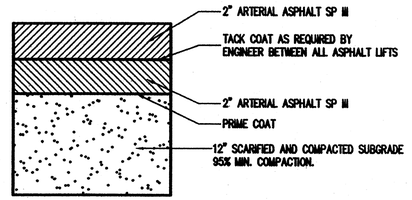
* PER COA STD DWG 2465

PAVEMENT SECTION FOR ALAMEDA PL.
(PAVEMENT CORE #3) N.T.S.

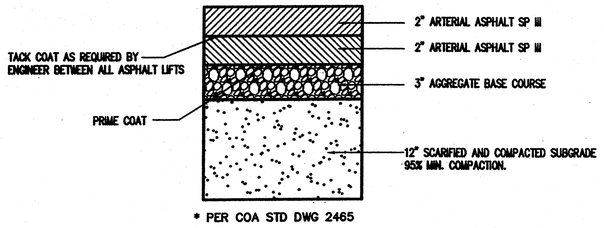


* PER COA STD DWG 2465

PAVEMENT SECTION FOR SAN PEDRO DR. BETWEEN OAKLAND AVE. & SIGNAL AVE.
(PAVEMENT CORE #8) N.T.S.

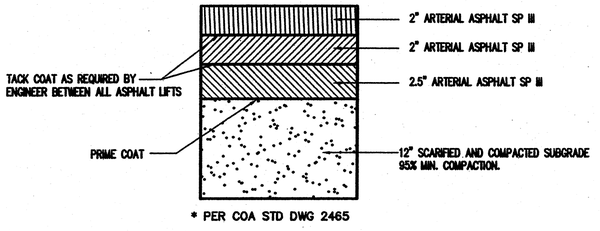


TEMPORARY PVMT. SECTION
N.T.S.



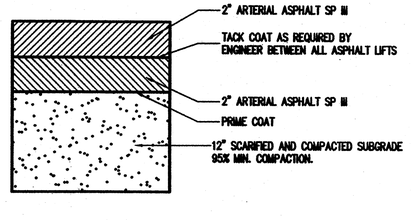
* PER COA STD DWG 2465

PAVEMENT SECTION FOR SAN PEDRO DR. BETWEEN ALAMEDA PL. & EAGLE ROCK AVE.
(PAVEMENT CORE #4) N.T.S.

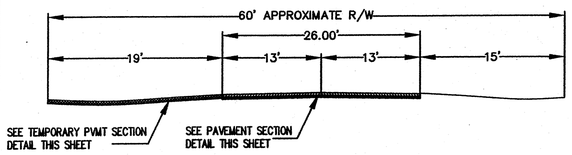


* PER COA STD DWG 2465

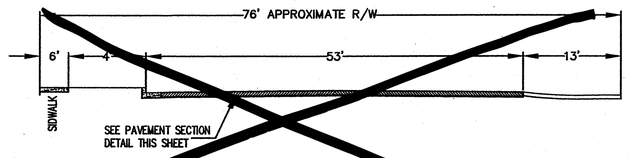
PAVEMENT SECTION FOR SAN PEDRO DR. BETWEEN EAGLE ROCK AVE. & OAKLAND AVE.
(PAVEMENT CORE #6) N.T.S.



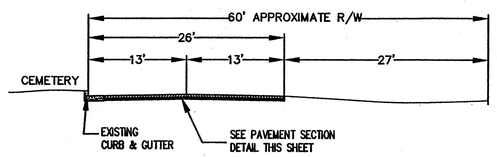
PAVEMENT SECTION FOR EAGLE ROCK AVE., OAKLAND AVE., SIGNAL AVE., & ALAMEDA BLVD.
N.T.S.



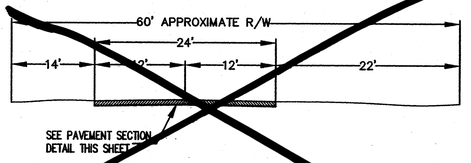
TYPICAL STREET SECTION FOR SAN PEDRO DR. BETWEEN ALAMEDA PL. & EAGLE ROCK AVE.
NTS



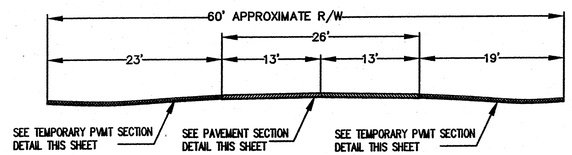
TYPICAL STREET SECTION FOR SAN PEDRO DR. BETWEEN ALAMEDA BLVD. AND FIRST DRIVEWAY SOUTH
NTS



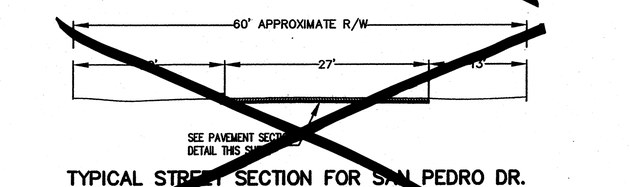
EAGLE ROCK AVE. TYPICAL STREET SECTION
EAST OF SAN PEDRO DR. NTS



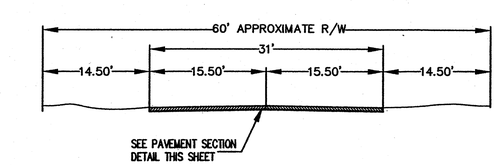
SIGNAL AVE. TYPICAL STREET SECTION
EAST OF SAN PEDRO DR. NTS



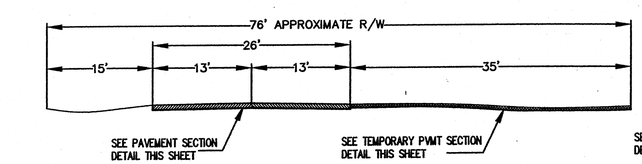
TYPICAL STREET SECTION FOR SAN PEDRO DR. BETWEEN EAGLE ROCK AVE. & OAKLAND AVE.
NTS



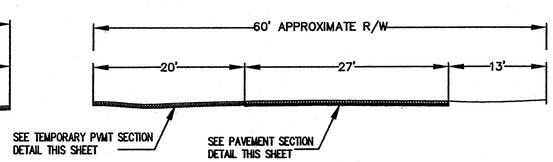
TYPICAL STREET SECTION FOR SAN PEDRO DR. BETWEEN FIRST DRIVEWAY SOUTH OF ALAMEDA BLVD. AND SIGNAL AVE.
NTS



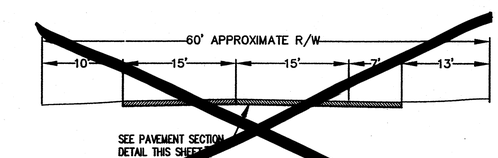
OAKLAND AVE. TYPICAL STREET SECTION
EAST OF SAN PEDRO DR. NTS



TYPICAL STREET SECTION FOR SAN PEDRO DR. BETWEEN ALAMEDA BLVD. AND OAKLAND AVE.
NTS



ALAMEDA PL. TYPICAL STREET SECTION
WEST OF SAN PEDRO DR. NTS



ALAMEDA BLVD. TYPICAL STREET SECTION
EAST OF SAN PEDRO DR. NTS

RECORD DRAWING

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
P.O. BOX 65760 ALBUQUERQUE, NM 87193
PHONE: (505) 271-2199 FAX: (505) 830-9246

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE:
SAN PEDRO STORM DRAIN
TYPICAL STREET SECTIONS & PAVEMENT SECTIONS

Design Review Committee	City Engineer Approval	Last Design Update	No. / Bsy / Yr.	No. / Bsy / Yr.
APPROVED MAR 11 2010 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2010 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
5304.91	C-18-Z	8	44

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999665042
Δ X=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

AS BUILT INFORMATION
CONTRACTOR
WORK CHANGED BY — DATE 1-12-12
INSPECTORS ACCEPTANCE BY — DATE 2-2-12
FIELD VERIFICATION BY — DATE 2-22-12
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

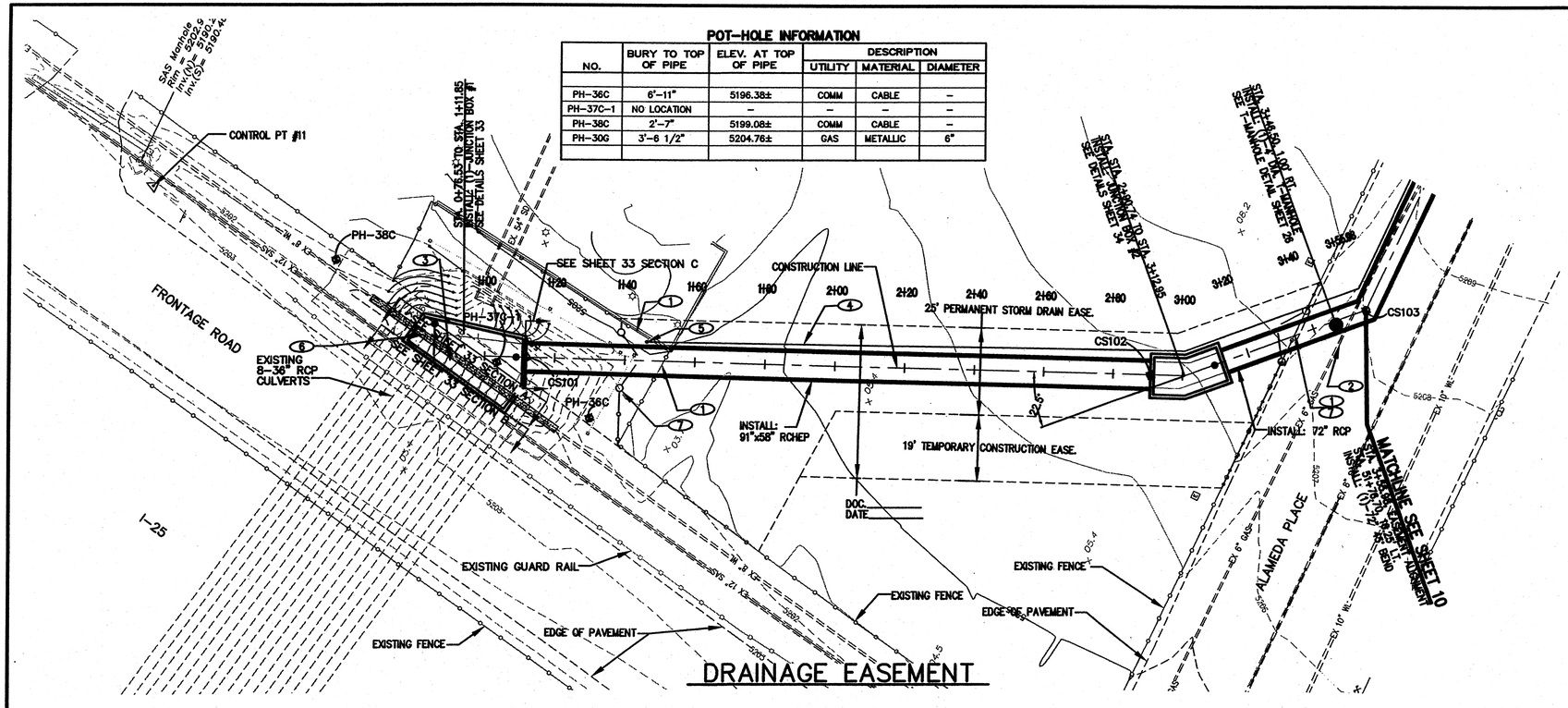
NO.	DATE	REMARKS	BY
REVISIONS		DESIGN	
		DESIGNED BY D.E.M.	DATE 3-10
		DRAWN BY D.E.M.	DATE 3-10
		CHECKED BY D.B.T.	DATE 3-10

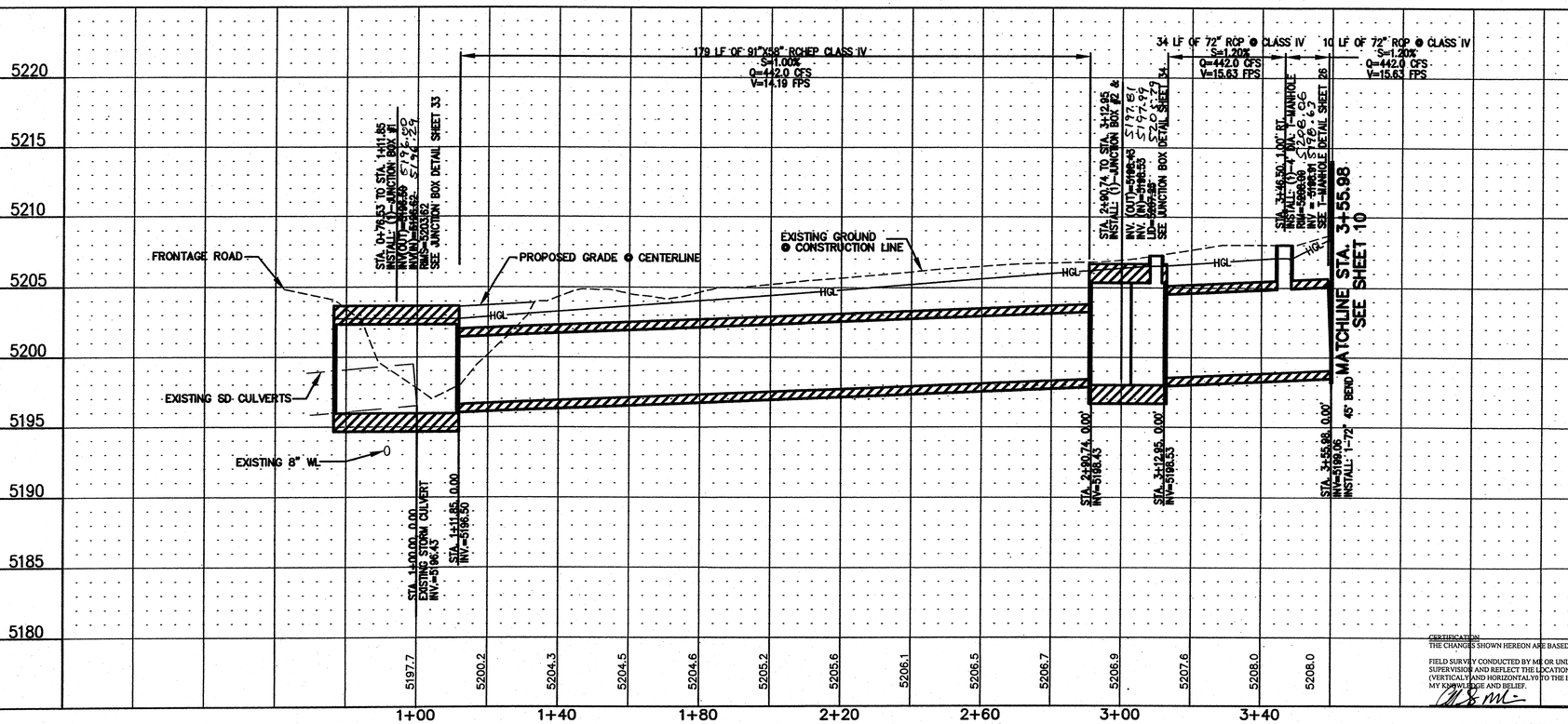
ENGINEERS SEAL

Q:\projects\COA San Pedro Storm Drain\PLANSET-100%\08-SECTIONS.dwg 2/19/2010 12:51:19 PM MST

POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
PH-36C	6'-11"	5196.38±	COMM	CABLE	–
PH-37C-1	NO LOCATION	–	–	–	–
PH-38C	2'-7"	5199.08±	COMM	CABLE	–
PH-30G	3'-6 1/2"	5204.76±	GAS	METALLIC	6"





KEYED NOTES:

1. REMOVE AND REPLACE CHAIN LINK FENCE PER COA STD DWG 2252
2. EXISTING 6" GAS LINE TO BE REMOVED & RELOCATED (BY OTHERS)
3. REMOVE AND DISPOSE 6-36" CMP ENDS AND CONCRETE SLOPE PAVEMENT SEE SHEET 4
4. CONTRACTOR TO INSTALL: 4" PERFORATED PIPE, FILTER FABRIC, AND 3/4" ROUND ROCK, SEE DETAIL SHEET 27
5. CONTRACTOR TO INSTALL 4" DUCTILE IRON GAS VENT. SEE DETAIL SHEET 27
6. ENCASE 65 LF OF EXISTING 8" WL W/CONCRETE PER COA STD DWG 2140 CONTRACTOR TO FIELD VERIFY LOCATION OF 8" WL
7. INSTALL CHAIN LINK FENCE AND 16' WIDE GATE PER COA STD DWG 2252

NOTES:

1. IF TRASH IS ENCOUNTERED DURING THE INSTALLATION OF THE PROPOSED STORM DRAIN FACILITIES OR WATER LINE FACILITIES THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TRASH WITHIN THE TRENCH PRISM / AREA. ALL TRASH MUST BE DISPOSED OF AT A LANDFILL REGISTERED / LICENSED WITH THE STATE OF NEW MEXICO.
2. IF TRASH IS ENCOUNTERED, CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TRASH LOCATED UNDER ANY PROPOSED PIPING (STORM DRAIN OR WATERLINE). CONTRACTOR SHALL REPLACE THE VOIDED AREA LEFT FROM THE TRASH REMOVAL WITH SUITABLE MATERIAL. THE SUITABLE MATERIAL SHALL BE COMPACTED IN EIGHT (8) INCH LIFTS TO 95% PER ASTM D-1557. PLACEMENT AND COMPACTION OF THE SUITABLE MATERIAL UNDER THE PROPOSED PIPES SHALL BE CONSIDERED INCIDENTAL TO TRASH REMOVAL AND DISPOSAL AND NO SEPARATE OR ADDITIONAL PAYMENT WILL BE MADE. IF TRASH IS FOUND TO EXIST DEEPER THAN THE FIVE(5) FEET MENTIONED ABOVE, THE CONTRACTOR SHALL COORDINATE WITH SCS FIELD SERVICES (505-349-8060) TO INSTALL MONITORING WELLS.

CONSTRUCTION SURVEY POINTS

Pt #	Northing	Easting
CS101	1524915.873	1542393.974
CS102	1524751.885	1542465.456
CS103	1524703.687	1542508.546

RECORD DRAWING

20' 10' 0 20' 40'
SCALE: 1" = 20'

10' 5' 0 2.5' 5'
SCALE: 1" = 5'

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: DATE:
INSPECTOR'S FIELD CHANGES BY: DATE:
FIELD VERIFICATION BY: DATE:
CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.
ELEVATION=5222.09 (NAVD 1988)

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4" ALUMINUM DISK RIVETED TO PIPE LOCATED BETWEEN ALAMEDA PL. & EAGLE ROCK RD ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999665042
ΔX=0° 11' 19.43"

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL
NEW MEXICO (9871) REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY D.E.M. DATE 3-10
DRAWN BY D.E.M. DATE 3-10
CHECKED BY D.B.T. DATE 3-10

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
P.O. BOX 65760 ALBUQUERQUE, NM 87193
PHONE: (505) 271-2199 FAX: (505) 830-9248

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

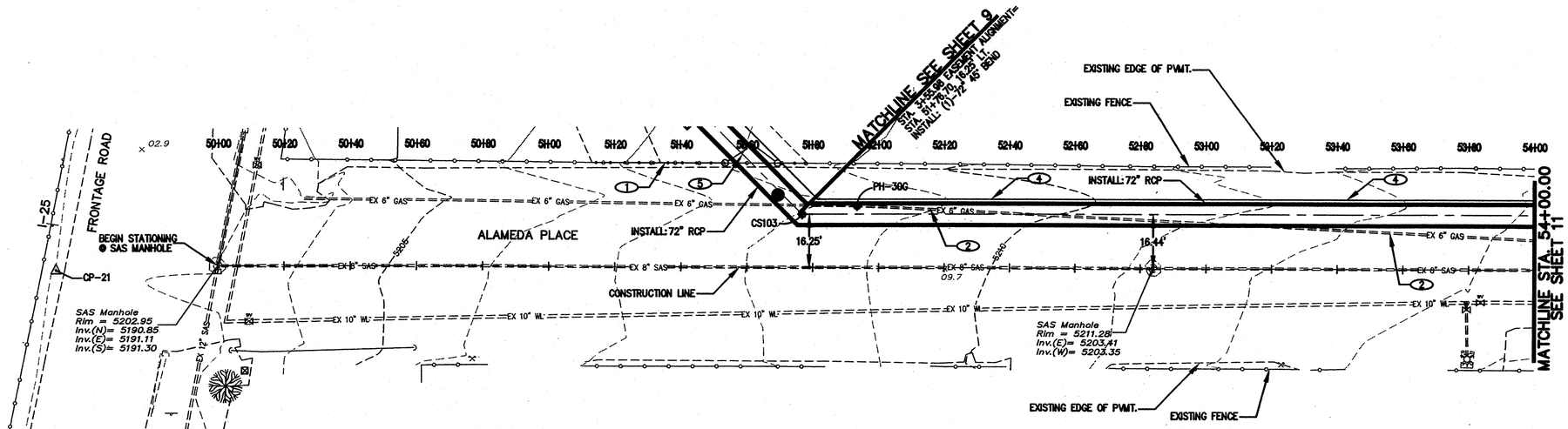
TITLE:
SAN PEDRO STORM DRAIN
DRAINAGE EASEMENT PLAN & PROFILE

CERTIFICATION
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Design Review Committee: APPROVE MAR 11 2010 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVE MAR 11 2010 CITY ENGINEER
Last Design Update
No. / Day / Yr. | No. / Day / Yr.

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 9 Of 44

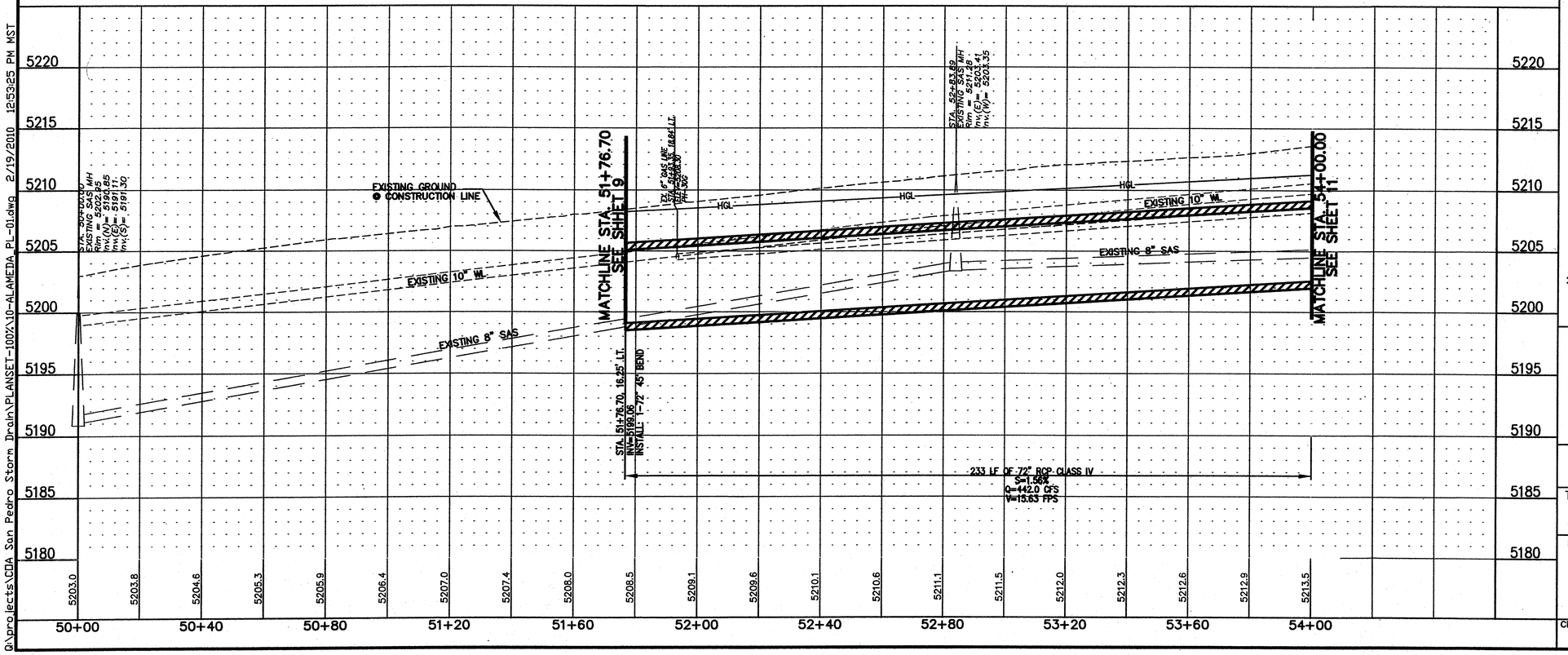
Q:\projects\COA San Pedro Storm Drain\PLANSET-100%\09-EASEMENT.dwg 2/19/2010 12:53:02 PM MST



POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
PH-30G	3'-6 1/2"	5204.76±	GAS	METALLIC	6"

ALAMEDA PLACE



KEYED NOTES:

1. REMOVE AND REPLACE CHAIN LINK FENCE PER COA STD DWG 2252
2. EXISTING 6" GAS LINE TO BE REMOVED & RELOCATED (BY OTHERS)
3. NOT USED
4. CONTRACTOR TO INSTALL: 4" PERFORATED PIPE, FILTER FABRIC, AND 3/4" ROUND ROCK, SEE DETAIL SHEET 27
5. INSTALL CHAIN LINK FENCE AND 16' WIDE GATE PER COA STD DWG 2252

NOTES:

1. IF TRASH IS ENCOUNTERED DURING THE INSTALLATION OF THE PROPOSED STORM DRAIN FACILITIES OR WATER LINE FACILITIES THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TRASH WITHIN THE TRENCH PRISM / AREA. ALL TRASH MUST BE DISPOSED OF AT A LANDFILL REGISTERED / LICENSED WITH THE STATE OF NEW MEXICO.
2. IF TRASH IS ENCOUNTERED, CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TRASH LOCATED UNDER ANY PROPOSED PIPING (STORM DRAIN OR WATERLINE). CONTRACTOR SHALL REPLACE THE VOIDED AREA LEFT FROM THE TRASH REMOVAL WITH SUITABLE MATERIAL. THE SUITABLE MATERIAL SHALL BE COMPACTED IN EIGHT (8) INCH LIFTS TO 95% PER ASTM D-1557. PLACEMENT AND COMPACTION OF THE SUITABLE MATERIAL UNDER THE PROPOSED PIPES SHALL BE CONSIDERED INCIDENTAL TO TRASH REMOVAL AND DISPOSAL AND NO SEPARATE OR ADDITIONAL PAYMENT WILL BE MADE. IF TRASH IS FOUND TO EXIST DEEPER THAN THE FIVE(5) FEET MENTIONED ABOVE, THE CONTRACTOR SHALL COORDINATE WITH SCS FIELD SERVICES (505-349-8060) TO INSTALL MONITORING WELLS.

RECORD DRAWING

CONSTRUCTION SURVEY POINTS

PT #	Northing	Easting
CS103	1524703.687	1542508.546

SCALE: 1" = 20'

SCALE: 1" = 5'

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
P.O. BOX 65760 ALBUQUERQUE, NM 87193
PHONE: (505) 271-2199 FAX: (505) 830-9248

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **SAN PEDRO STORM DRAIN**
ALAMEDA PLACE PLAN & PROFILE
STA. 51+76.70 TO STA. 54+40

Design Review Committee: APPROVED MAR 11 2010 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2010 CITY ENGINEER
Last Design Update

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 10 Of 44

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
C-C=0.999665042
ΔX=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY Sandia Land Surveying DATE 1-12-10
INSPECTOR'S FIELD PHASE BY TEC DATE 1-12-10
VERIFICATION BY Sandia Land Surveying DATE 1-14-10
MARKED BY DATE
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL

NO. | DATE | REMARKS | BY
REVISIONS
DESIGNED BY D.E.M. DATE 3-10
DRAWN BY D.E.M. DATE 3-10
CHECKED BY D.B.T. DATE 3-10

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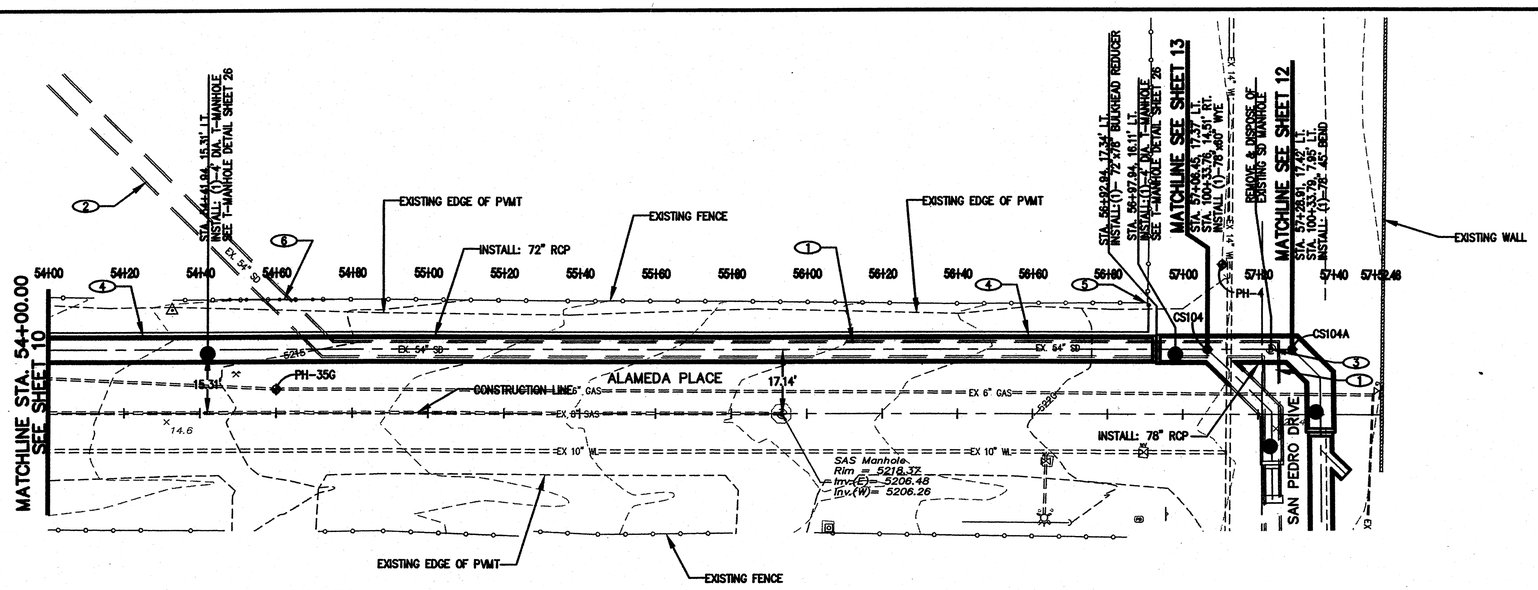
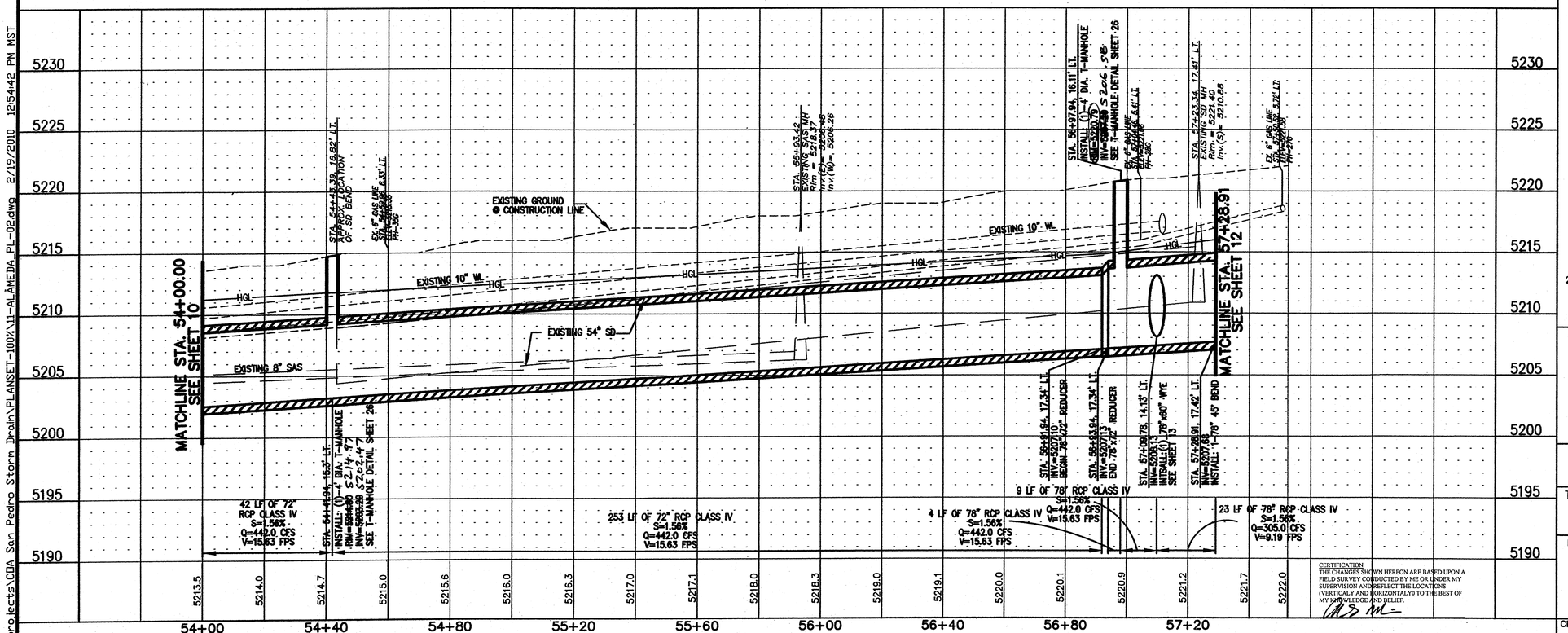


POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
PH-35G	5'-7"	5209.77±	GAS	METALLIC	6"
PH-28G	5'-1"	5215.98±	GAS	METALLIC	6"
PH-29W	3'-6"	5217.64±	WATER	PVC	14"
PH-27G	2'-9"	5218.83±	GAS	METALLIC	6"
PH-26G	3'-9"	5218.51±	GAS	METALLIC	4"
PH-4	3'-5"	5217.75±	WATER	PVC	14"

ALAMEDA PLACE



CERTIFICATION
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALY AND HORIZONTALY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

KEYED NOTES:

1. REMOVE AND DISPOSE OF 54" RCP STORM DRAIN
2. EXISTING 54" STORM DRAIN TO BE ABANDONED IN PLACE
3. REMOVE AND DISPOSE EXISTING MANHOLE
4. CONTRACTOR TO INSTALL: 4" PERFORATED PIPE, FILTER FABRIC, AND 3/4" ROUND ROCK, SEE DETAIL SHEET 27
5. CONTRACTOR TO INSTALL 4" DUCTILE IRON GAS VENT. SEE DETAIL SHEET 27
6. REMOVE AND REPLACE CHAIN LINK FENCE PER COA STD DWG 2252

NOTES:

1. IF TRASH IS ENCOUNTERED DURING THE INSTALLATION OF THE PROPOSED STORM DRAIN FACILITIES OR WATER LINE FACILITIES THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TRASH WITHIN THE TRENCH PRISM / AREA. ALL TRASH MUST BE DISPOSED OF AT A LANDFILL REGISTERED / LICENSED WITH THE STATE OF NEW MEXICO.
2. IF TRASH IS ENCOUNTERED, CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL TRASH LOCATED UNDER ANY PROPOSED PIPING (STORM DRAIN OR WATERLINE). CONTRACTOR SHALL REPLACE THE VOIDED AREA LEFT FROM THE TRASH REMOVAL WITH SUITABLE MATERIAL. THE SUITABLE MATERIAL SHALL BE COMPACTED IN EIGHT (8) INCH LIFTS TO 95% PER ASTM D-1557. PLACEMENT AND COMPACTION OF THE SUITABLE MATERIAL UNDER THE PROPOSED PIPES SHALL BE CONSIDERED INCIDENTAL TO TRASH REMOVAL AND DISPOSAL AND NO SEPARATE OR ADDITIONAL PAYMENT WILL BE MADE. IF TRASH IS FOUND TO EXIST DEEPER THAN THE FIVE(5) FEET MENTIONED ABOVE, THE CONTRACTOR SHALL COORDINATE WITH SGS FIELD SERVICES (505-349-8060) TO INSTALL MONITORING WELLS.

RECORD DRAWING

CONSTRUCTION SURVEY POINTS

PT #	Northing	Easting
CS104	1524703.687	1543038.295
CS104A	1524703.687	1543060.757

SCALE: 1" = 20'

SCALE: 1" = 5'

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PHONE: (505) 271-2199 FAX: (505) 830-9248

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **SAN PEDRO STORM DRAIN**
ALAMEDA PLACE PLAN & PROFILE
STA. 54+40 TO STA. 57+28.91

Design Review Committee: APPROVE MAR 11 2010 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVE MAR 11 2010 CITY ENGINEER

City Project No.	Zone Map No.	Sheet	Of
5304.91	C-18-Z	11	44

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY: DATE 11-2010
INSPECTOR'S FIELD CHANGES BY: DATE 2-2011
VERIFICATION BY: DATE 4-2011
CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED BETWEEN ALAMEDA PL. & EAGLE ROCK RD ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999665042
ΔX=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL

NO.	REMARKS	BY	DATE
	REVISIONS		
	DESIGN		
	DESIGNED BY D.E.M.		DATE 3-10
	DRAWN BY D.E.M.		DATE 3-10
	CHECKED BY D.B.T.		DATE 3-10

Last Design Update

No. / Day / Yr.

No. / Day / Yr.

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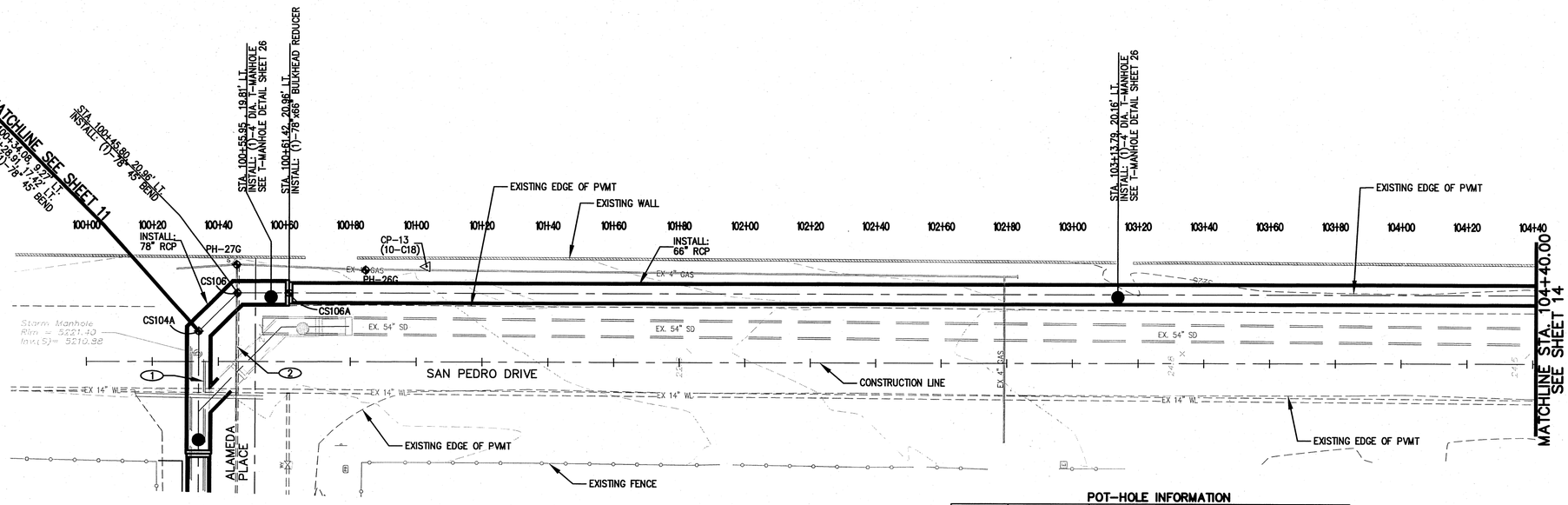


SAN PEDRO DRIVE

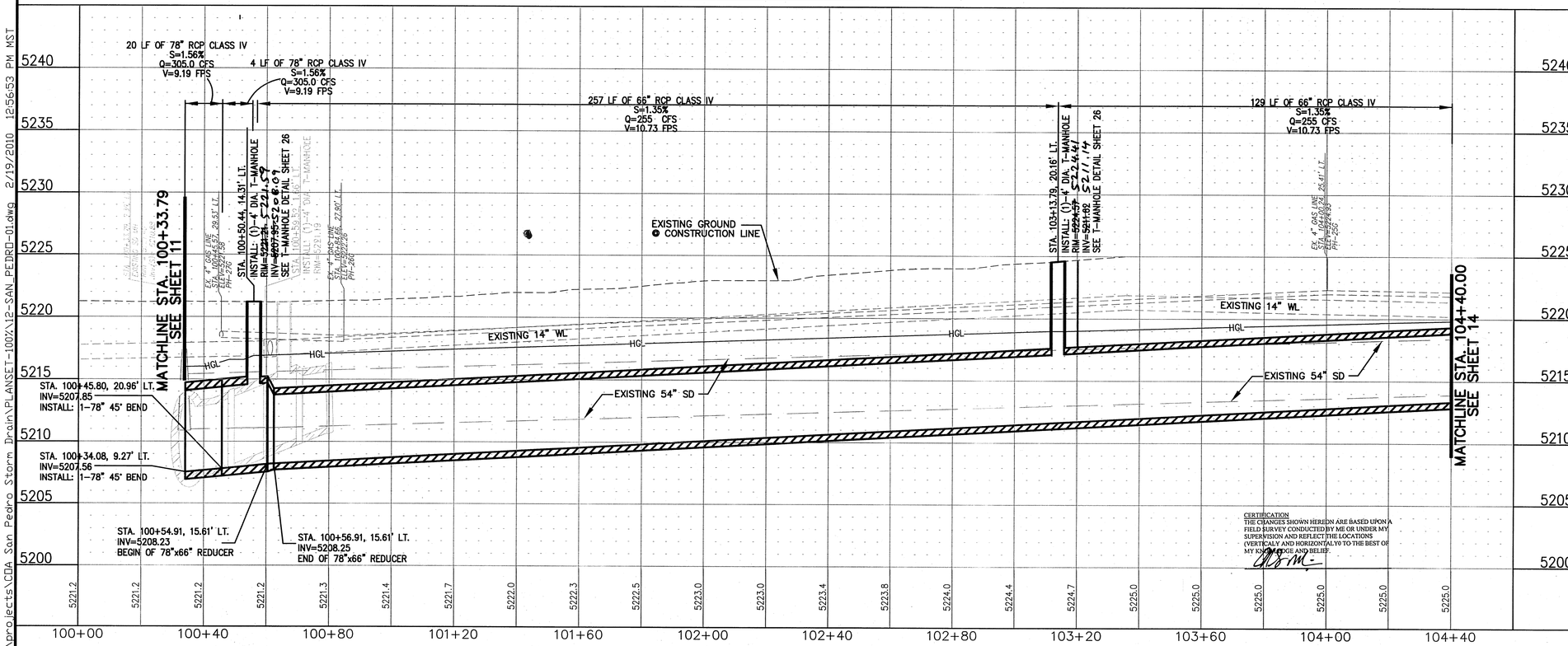
POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
PH-28G	5'-1"	5215.98±	GAS	METALLIC	6"
PH-29W	3'-6"	5217.64±	WATER	PVC	14"
PH-27G	2'-9"	5218.83±	GAS	METALLIC	6"
PH-26G	3'-9"	5218.51±	GAS	METALLIC	4"
–	–	–	–	–	–
PH-4	3'-5"	5217.75±	WATER	PVC	14"

KEYED NOTES:

1. REMOVE AND DISPOSE OF 54" RCP STORM DRAIN
2. EXISTING GAS LINE TO BE REMOVED AND RELOCATED (BY OTHERS)

RECORD DRAWING



CERTIFICATION
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CONSTRUCTION SURVEY POINTS

PT #	Northing	Easting
CS104A	1524703.40	1543062.07
CS106	1524691.69	1543073.78
CS106A	1524676.08	1543073.80

SCALE: 1" = 5'

SCALE: 1" = 20'

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
P.O. BOX 65760, ALBUQUERQUE, NM 87193
PHONE: (505) 271-2199
FAX: (505) 830-9248

AS BUILT INFORMATION
CONTRACTOR — DATE 11-2012
WORKED BY — DATE 11-2012
INSPECTOR'S ASSISTANCE BY — DATE 11-2012
FIELD VERIFICATION BY — DATE 11-2012
CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
C-C=0.999665042
ΔX=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEERS SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY	D.E.M.	DATE	3-10
DRAWN BY	D.E.M.	DATE	3-10
CHECKED BY	D.B.T.	DATE	3-10

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: SAN PEDRO STORM DRAIN
SAN PEDRO DR. PLAN & PROFILE 66" RCP
STA. 100+33.79 TO STA. 104+40

Design Review Committee | City Engineer Approval | Last Design Update | No. / Day / Yr. | No. / Day / Yr.

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 12 Of 44

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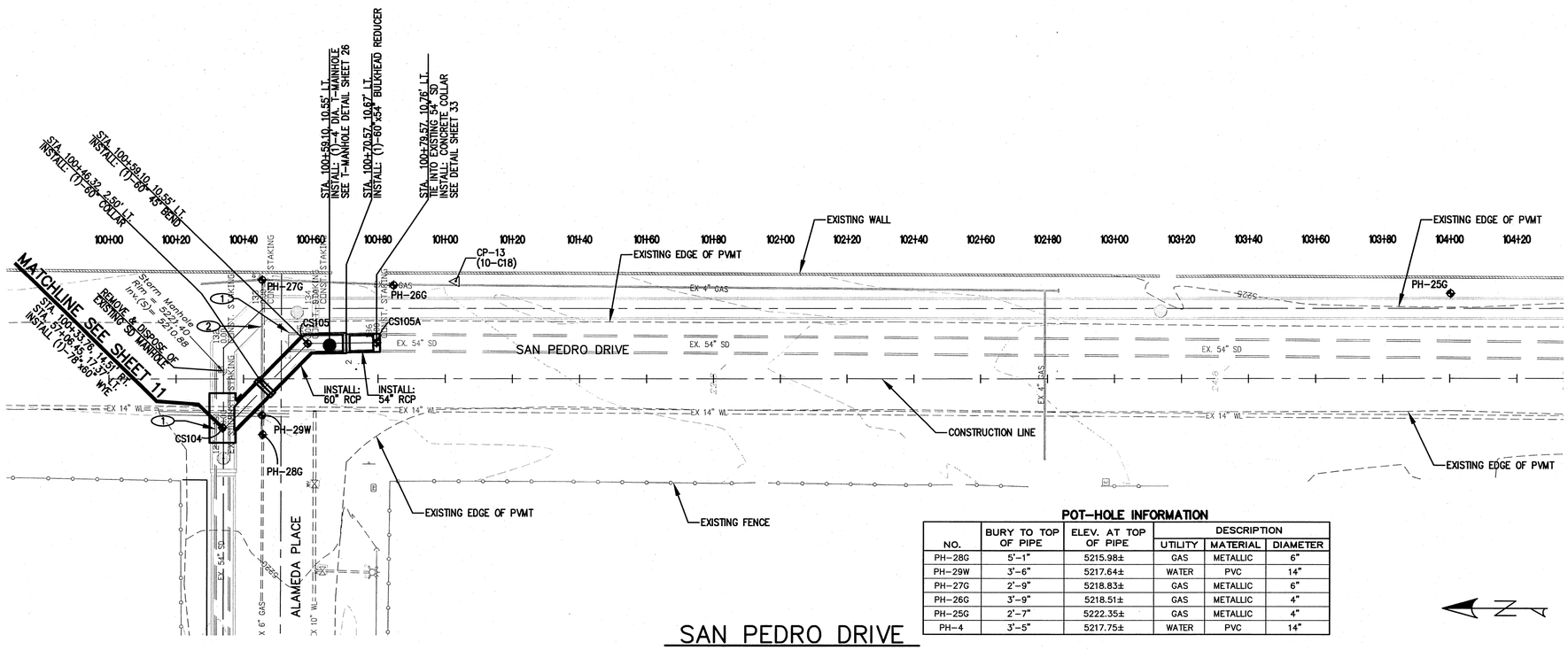
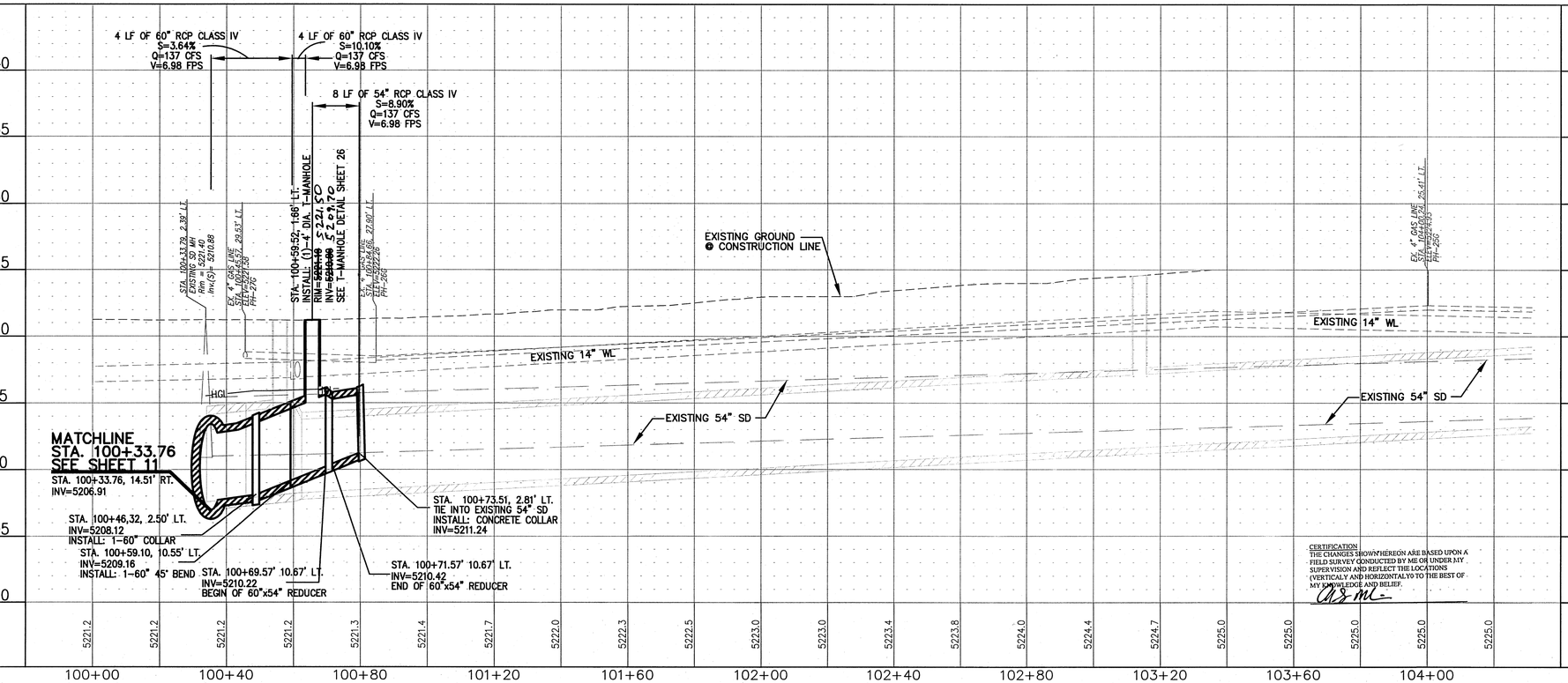


SAN PEDRO DRIVE

POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
PH-28G	5'-1"	5215.98±	GAS	METALLIC	6"
PH-29W	3'-6"	5217.64±	WATER	PVC	14"
PH-27G	2'-9"	5218.83±	GAS	METALLIC	6"
PH-26G	3'-9"	5218.51±	GAS	METALLIC	4"
PH-25G	2'-7"	5222.35±	GAS	METALLIC	4"
PH-4	3'-5"	5217.75±	WATER	PVC	14"



KEYED NOTES:

1. REMOVE AND DISPOSE OF 54" RCP STORM DRAIN
2. EXISTING GAS LINE TO BE REMOVED AND RELOCATED (BY OTHERS)

RECORD DRAWING

CONSTRUCTION SURVEY POINTS

PT #	Northing	Easting
CS104	1524703.41	1543037.76
CS105	1524678.39	1543063.39
CS105A	1524657.91	1543063.63

SCALE: 1" = 5'

SCALE: 1" = 20'

CERTIFICATION
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Thompson Engineering Consultants, Inc.
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PHONE: (505) 271-2199 FAX: (505) 830-9248

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **SAN PEDRO STORM DRAIN**
SAN PEDRO DR. PLAN & PROFILE
60" RCP AT ALAMEDA PLACE

Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 13 Of 44

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY: Sandoval Bros. DATE 11-2nd
INSPECTOR'S ACCEPTANCE BY DATE
AS-BUILT VERIFICATION BY: Thompson Engineering DATE 11-2nd
DRAWINGS COMPLETED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.
ELEVATION=5222.09 (NAVD 1988)

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-G=0.999665042
ΔX=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL
DAVID B. THOMPSON 9671 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY D.E.M.	DATE 3-10
		DRAWN BY D.E.M.	DATE 3-10
		CHECKED BY D.B.T.	DATE 3-10

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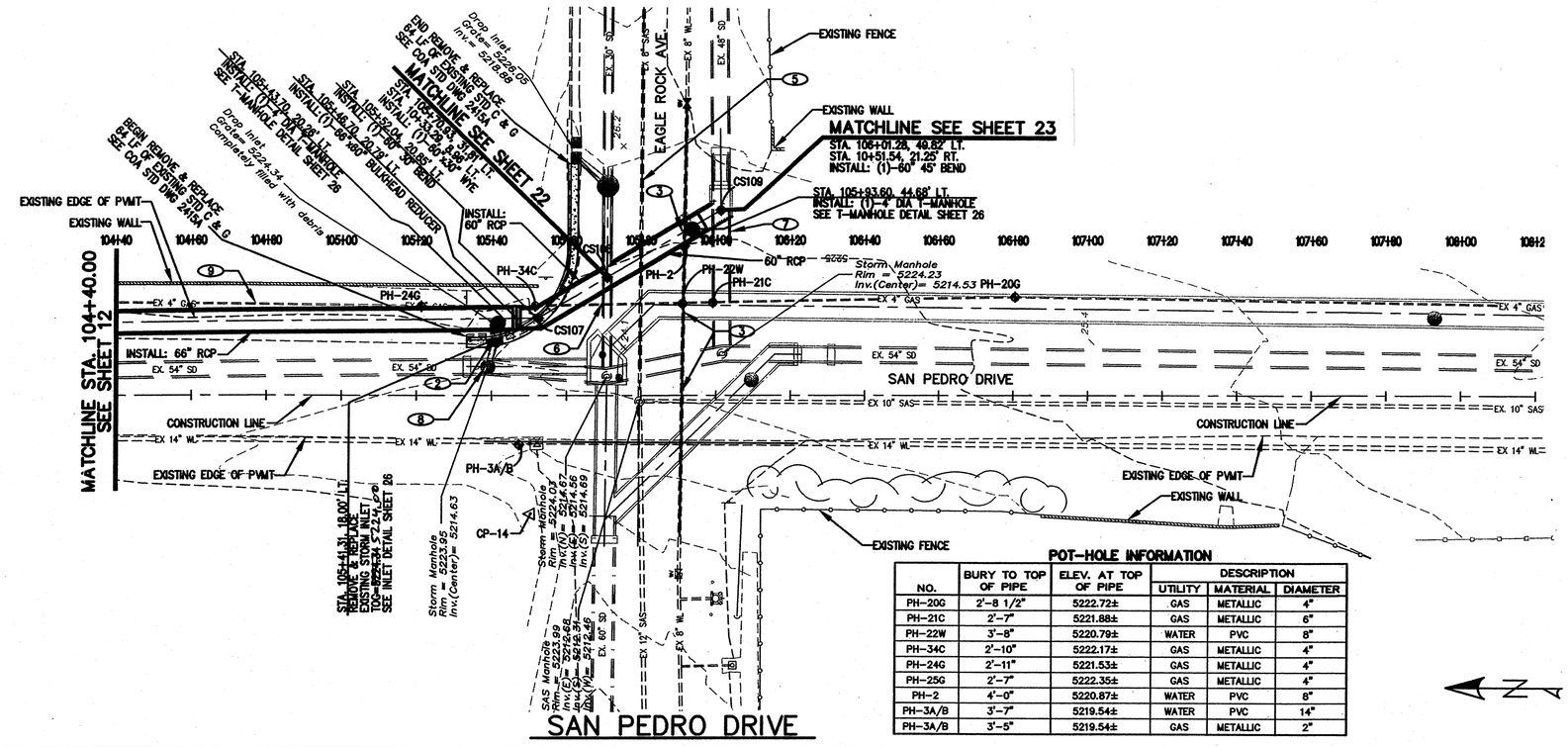


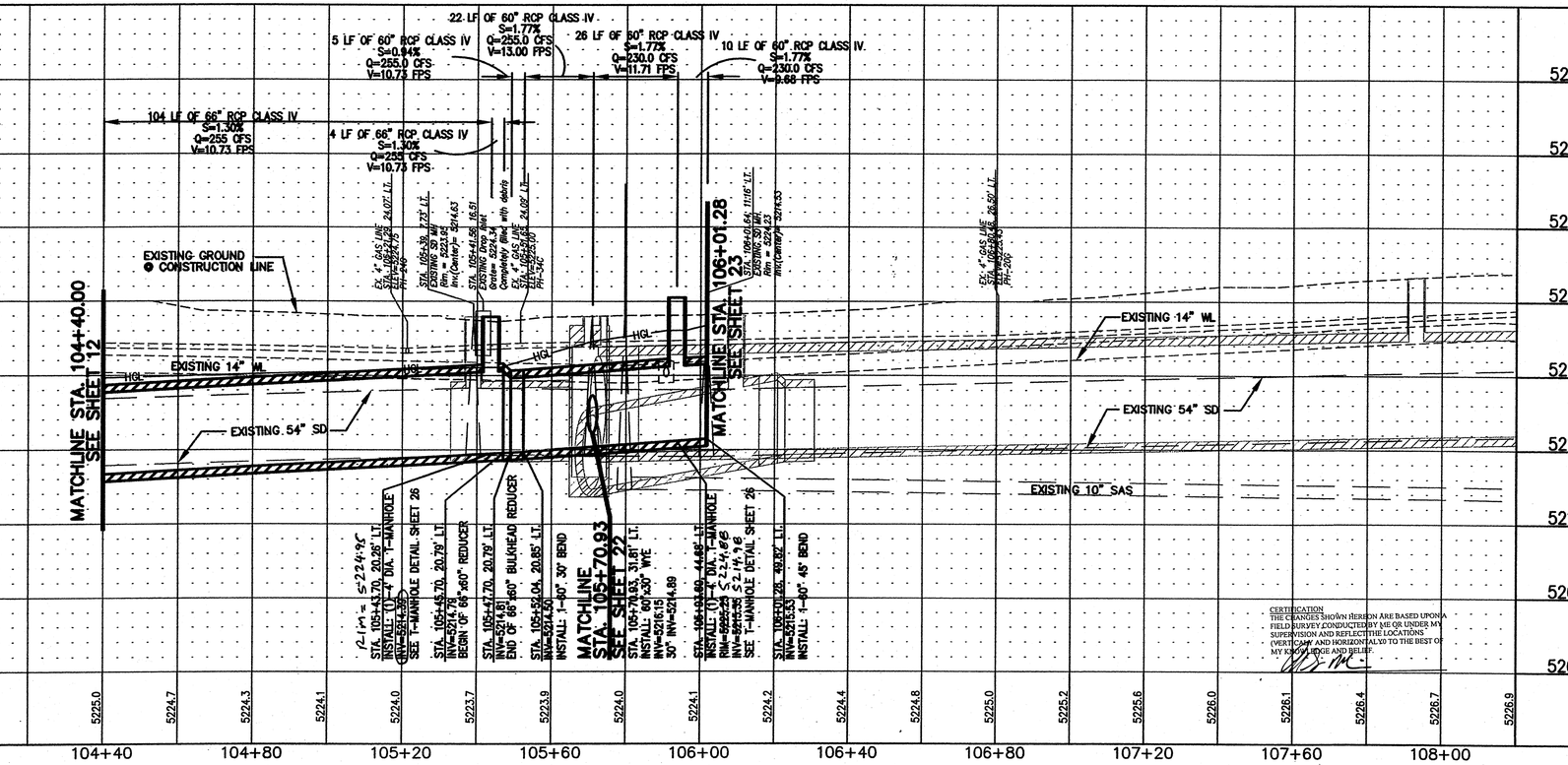
POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
PH-20G	2'-8 1/2"	5222.72±	GAS	METALLIC	4"
PH-21C	2'-7"	5221.88±	GAS	METALLIC	6"
PH-22W	3'-8"	5220.79±	WATER	PVC	8"
PH-34C	2'-10"	5222.17±	GAS	METALLIC	4"
PH-24G	2'-11"	5221.53±	GAS	METALLIC	4"
PH-25G	2'-7"	5222.35±	GAS	METALLIC	4"
PH-2	4'-0"	5220.87±	WATER	PVC	8"
PH-3A/B	3'-7"	5219.54±	WATER	PVC	14"
PH-3A/B	3'-5"	5219.54±	GAS	METALLIC	2"

KEYED NOTES:

1. NOT USED
2. REMOVE, DISPOSE AND REPLACE TYPE "C" STORM INLET SEE COA STD DWG 2205 TIE INTO EXISTING CONNECTOR PIPE SEE INLET DETAIL SHEET 26
3. RELOCATE 8" DIA WATERLINE VERTICALLY SEE DETAIL SHEET 30
4. NOT USED
5. PROTECT EXISTING 8", 10" AND 12" SAS LINES
6. REMOVE AND DISPOSE 56 LF OF 30" RCP STORM DRAIN
7. REMOVE AND DISPOSE 61 LF OF 48" RCP STORM DRAIN
8. NOT USED
9. EXISTING GAS LINE TO BE REMOVED & RELOCATED (BY OTHERS)

RECORD DRAWING



CONSTRUCTION SURVEY POINTS

PT #	Northing	Easting
CS107	1524185.035	1543074.343
CS108	1524166.588	1543085.321
CS109	1524136.257	1543103.372

SCALE: 1" = 20'

SCALE: 1" = 5'

AS BUILT INFORMATION

CONTRACTOR

WORK STAKED BY: DATE/I-2a
ACCEPTANCE BY: DATE/I-2a
FIELD VERIFICATION BY: DATE/I-2a
DRAWINGS CORRECTED BY: DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

BENCH MARKS

STATION STAMPED (10-C18 1985)

CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999665042
ΔX=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

SURVEY INFORMATION

FIELD NOTES

NO. BY DATE

ENGINEERS SEAL

NEW MEXICO REGISTERED PROFESSIONAL ENGINEER 9877

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY	D.E.M.	DATE 3-10	
DRAWN BY	D.E.M.	DATE 3-10	
CHECKED BY	D.B.T.	DATE 3-10	

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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **SAN PEDRO STORM DRAIN**
SAN PEDRO DR. PLAN & PROFILE
STA. 104+40 TO STA. 106+01.69

CERTIFICATION
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICAL AND HORIZONTAL) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Design Review Committee: APPROVED MAR 11 2010 DESIGN REVIEW COMMITTEE

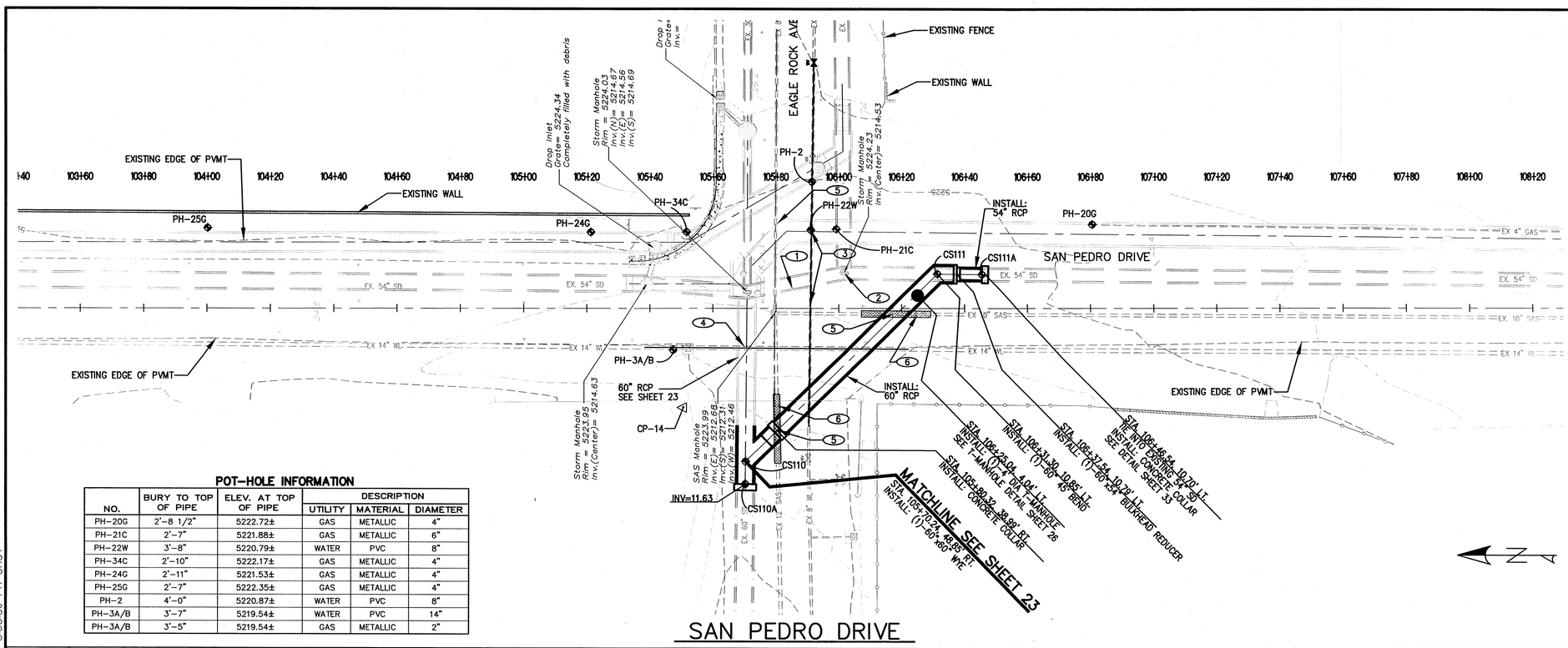
City Engineer Approval: APPROVED MAR 11 2010 CITY ENGINEER

Last Design Update

No. / Day / Yr.	No. / Day / Yr.

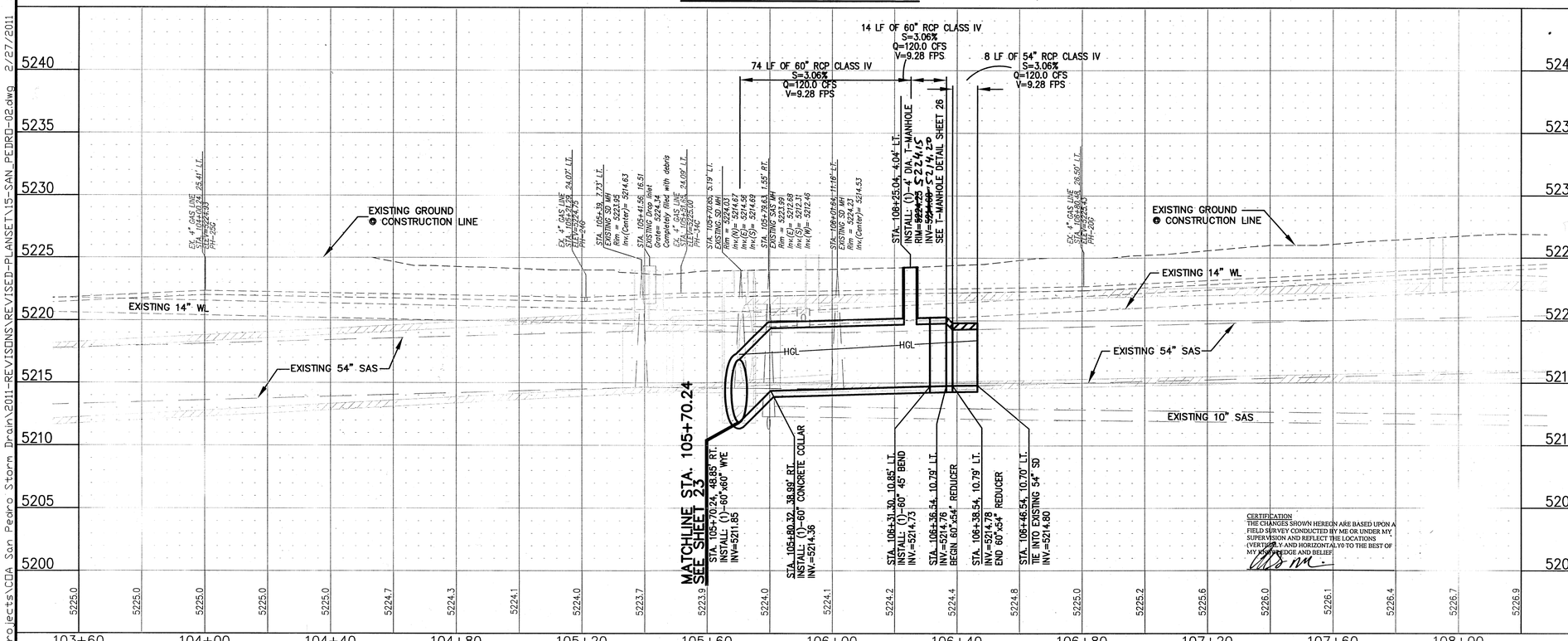
City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 14 Of 44

Q:\projects\COA San Pedro Storm Drain\PLANSET-100%\14-SAN_PEDRO-02.dwg 2/19/2010 10:42 PM MST



POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
PH-20G	2'-8 1/2"	5222.72±	GAS	METALLIC	4"
PH-21C	2'-7"	5221.88±	GAS	METALLIC	6"
PH-22W	3'-8"	5220.79±	WATER	PVC	8"
PH-34C	2'-10"	5222.17±	GAS	METALLIC	4"
PH-24G	2'-11"	5221.53±	GAS	METALLIC	4"
PH-25G	2'-7"	5222.35±	GAS	METALLIC	4"
PH-2	4'-0"	5220.87±	WATER	PVC	8"
PH-3A/B	3'-7"	5219.54±	WATER	PVC	14"
PH-3A/B	3'-5"	5219.54±	GAS	METALLIC	2"



KEYED NOTES:

1. REMOVE AND DISPOSE OF 54" RCP STORM DRAIN
2. REMOVE AND DISPOSE EXISTING MANHOLE
3. RELOCATE 8" DIA WATERLINE VERTICALLY SEE DETAIL SHEET 30
4. RELOCATE 14" DIA WATERLINE VERTICALLY SEE DETAIL SHEET 29
5. PROTECT EXISTING 8", 10" AND 12" SAS LINES
6. INSTALL: 22 LF OF LEAN FILL

RECORD DRAWING

CONSTRUCTION SURVEY POINTS

PT #	Northing	Easting
CS110	1524167.166	1543004.665
CS110A	1524167.235	1542997.702
CS111	1524106.187	1543064.445
CS111A	1524091.947	1543064.319

SCALE: 1" = 20'

SCALE: 1" = 5'

Thompson Engineering Consultants, Inc.
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SURVEY INFORMATION
FIELD NOTES BY
NO. DATE

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED BETWEEN ALAMEDA PL. & EAGLE ROCK RD ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999665042
ΔX=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY: DATE 11-2a
INSPECTOR'S NAME: TEC DATE 12-2a
FIELD DISTANCE & TRAVERSE BY: DATE 11-2a
VERIFICATION BY: DATE
DRAWINGS COMPILED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY
NO. DATE

ENGINEERS SEAL
NEW MEXICO 9877 REGISTERED PROFESSIONAL ENGINEER
2-27-11

NO.	DATE	REMARKS
		REVISIONS
		DESIGN

DESIGNED BY D.E.M. DATE 3-10
DRAWN BY D.E.M. DATE 3-10
CHECKED BY D.B.T. DATE 3-10

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **SAN PEDRO STORM DRAIN**
SAN PEDRO DR. PLAN & PROFILE
60" RCP AT EAGLE ROCK AVE.

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

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 15 Of 44

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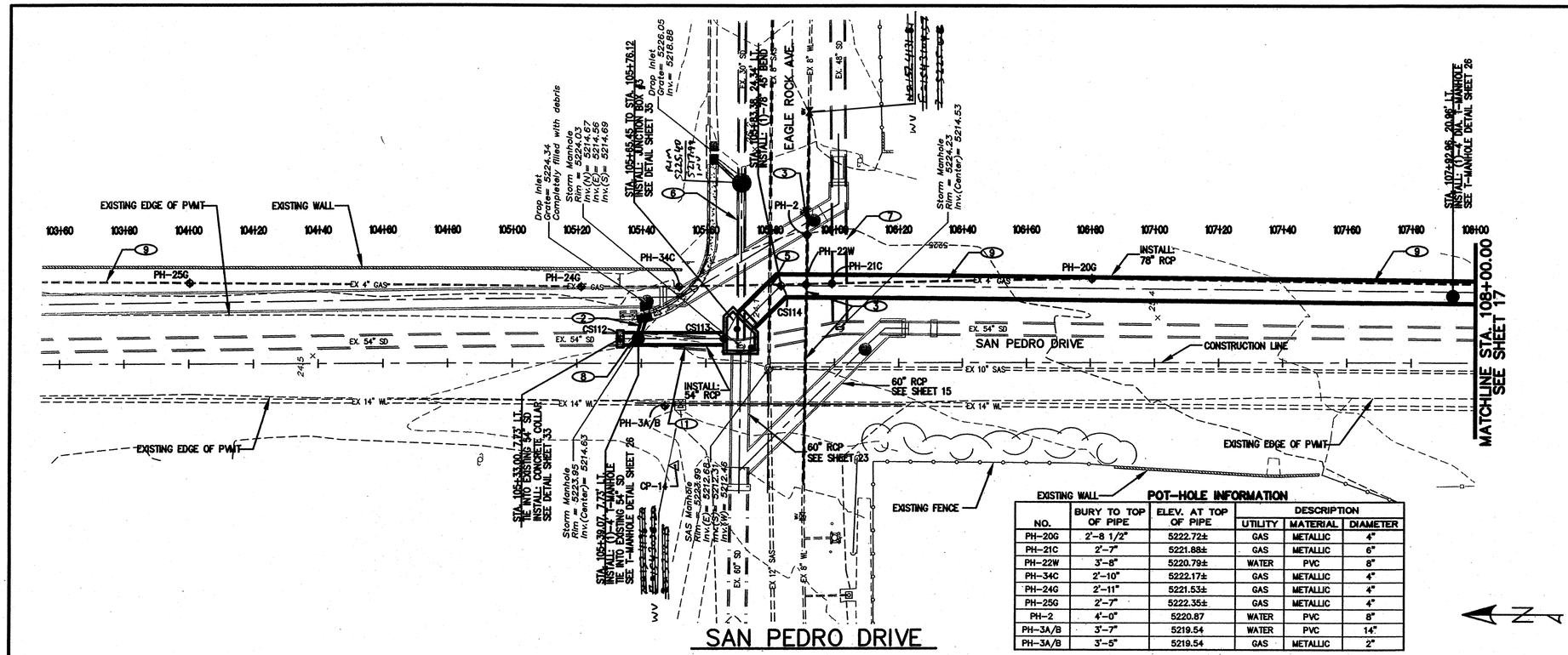


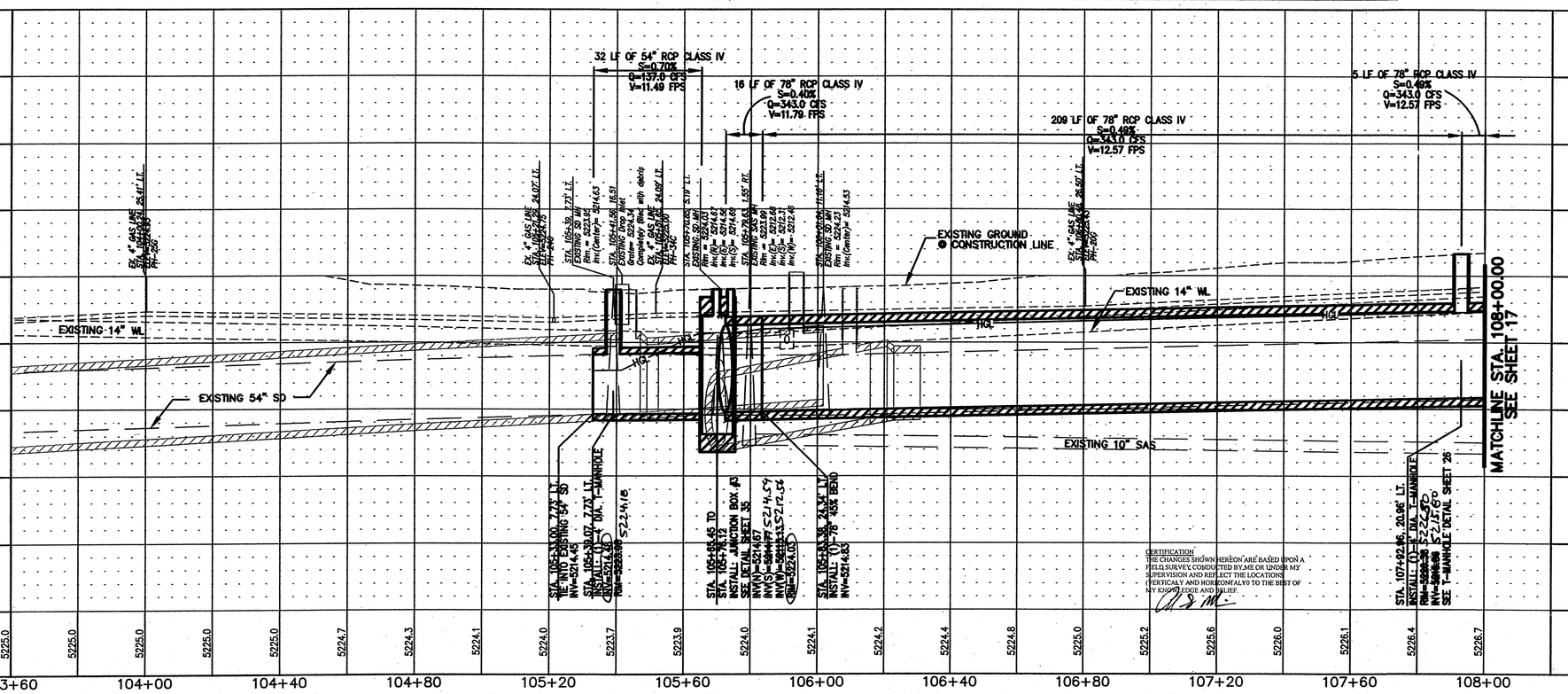
POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
PH-20G	2'-8 1/2"	5222.72±	GAS	METALLIC	4"
PH-21C	2'-7"	5221.88±	GAS	METALLIC	6"
PH-22W	3'-8"	5220.79±	WATER	PVC	8"
PH-34C	2'-10"	5222.17±	GAS	METALLIC	4"
PH-24G	2'-11"	5221.53±	GAS	METALLIC	4"
PH-25G	2'-7"	5222.35±	GAS	METALLIC	4"
PH-2	4'-0"	5220.87	WATER	PVC	8"
PH-3A/B	3'-7"	5219.54	WATER	PVC	14"
PH-3A/B	3'-5"	5219.54	GAS	METALLIC	2"

KEYED NOTES:

1. REMOVE AND DISPOSE OF 54" RCP STORM DRAIN
2. INSTALL: NEW 18" CONNECTOR PIPE FROM T-MH TO NEW STORM INLET SEE DETAIL SHEET 26
3. RELOCATE 8" DIA WATERLINE VERTICALLY SEE DETAIL SHEET 30
4. NOT USED
5. PROTECT EXISTING 8", 10" AND 12" SAS LINES
6. REMOVE AND DISPOSE 30" STORM DRAIN
7. REMOVE AND DISPOSE 61 LF OF 48" RCP STORM DRAIN
8. REMOVE & DISPOSE 8' DIA MANHOLE INSTALL: (1)-T-MANHOLE SEE T-MANHOLE DETAIL SHEET 26
9. EXISTING GAS LINE TO BE REMOVED & RELOCATED (BY OTHERS)

RECORD DRAWING



CONSTRUCTION SURVEY POINTS

Pt #	Northing	Easting
CS112	1524204.021	1543061.202
CS113	1524166.653	1543056.369
CS114	1524154.125	1543077.87

SCALE: 1" = 20'

SCALE: 1" = 5'

CERTIFICATION
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALY AND HORIZONTALY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

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tecnm@yahoo.com
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PHONE: (505) 271-2199 FAX: (505) 830-9246

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **SAN PEDRO STORM DRAIN**
SAN PEDRO DR. PLAN & PROFILE
STA. 105+33.00 TO STA. 108+00.00

Design Review Committee: APPROVED MAR 1 1 2010 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 1 1 2010 CITY ENGINEER

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 16 Of 44

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED BETWEEN ALAMEDA PL. & EAGLE ROCK RD ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999665042
ΔX=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: SANDOVAL DATE/1st
INSPECTED BY: TEC DATE/2nd
FIELD VERIFICATION BY: SANDOVAL DATE/1st
CORRECTED BY: SANDOVAL DATE/2nd
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY	D.E.M.	DATE	3-10
DRAWN BY	D.E.M.	DATE	3-10
CHECKED BY	D.B.T.	DATE	3-10

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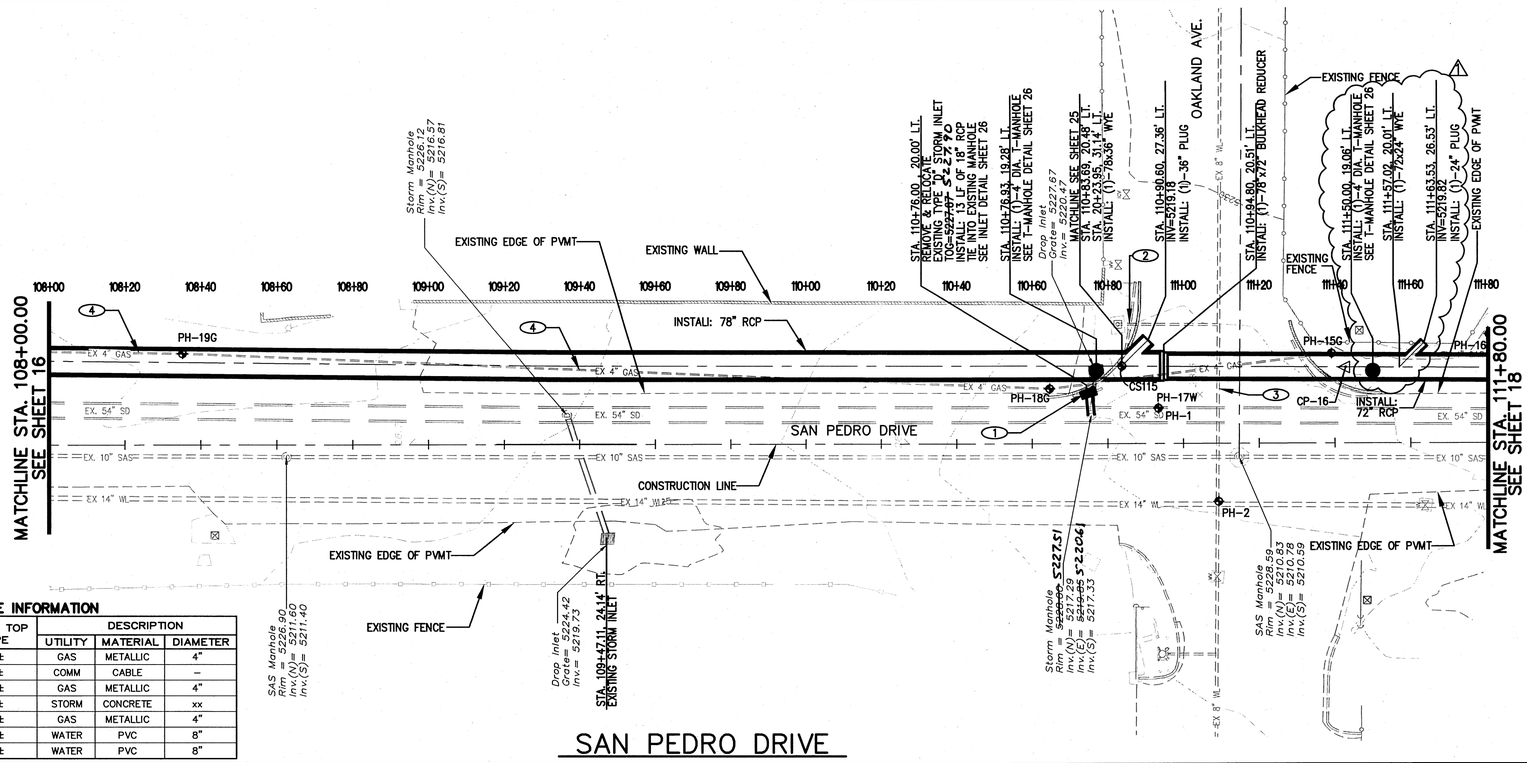
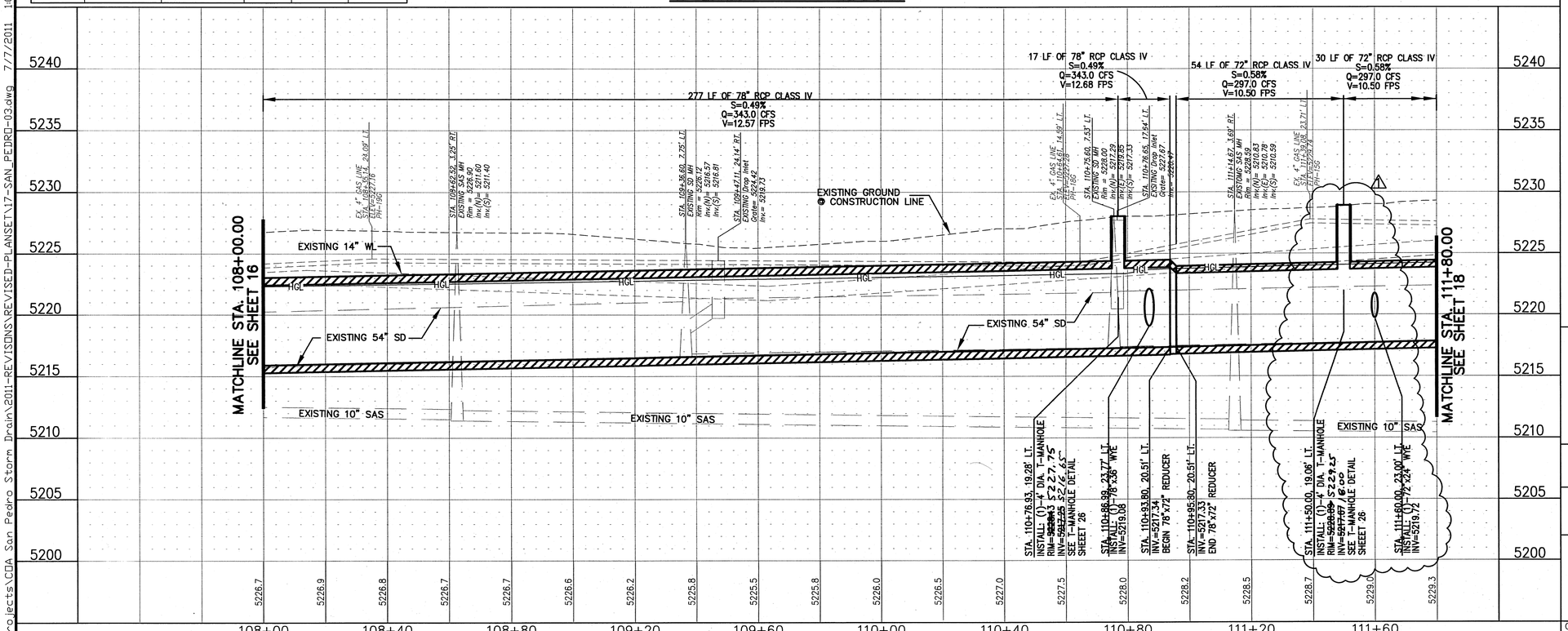


SAN PEDRO DRIVE

POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
PH-19G	2'-7"	5224.58±	GAS	METALLIC	4"
PH-16C	2'-8"	5227.12±	COMM	CABLE	–
PH-15G	2'-0"	5227.74±	GAS	METALLIC	4"
PH-17W	6'-3"	5222.15±	STORM	CONCRETE	xx
PH-18G	3'-0"	5224.28±	GAS	METALLIC	4"
PH-1	3'-8"	5224.73±	WATER	PVC	8"
PH-2	3'-6"	5224.70±	WATER	PVC	8"



KEYED NOTES:

1. REMOVE, DISPOSE AND REPLACE TYPE "D" STORM INLET SEE COA STD DWG 2206 AND CONNECTOR PIPE. CONNECT INTO EXISTING 6' DIA. MANHOLE
2. REMOVE AND REPLACE EXISTING 1" WATER SERVICE
3. REMOVE AND REPLACE EXISTING 8" WL SEE DETAIL SHEET 31
4. EXISTING GAS LINE TO BE REMOVE & RELOCATED (BY OTHERS)

RECORD
DRAWING

CONSTRUCTION SURVEY POINTS

PT #	Northing	Easting
CS115	1523653.806	1543074.668

SCALE: 1" = 5'

SCALE: 1" = 20'

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
P.O. BOX 65760 ALBUQUERQUE, NM 87193
PHONE: (505) 271-2199
FAX: (505) 830-9248

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **SAN PEDRO STORM DRAIN**
SAN PEDRO DR. PLAN & PROFILE
STA. 108+00 TO 111+80

Design Review Committee | City Engineer Approval | Last Design Update | No. / Day / Yr. | No. / Day / Yr.

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 17 Of 44

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: SAN PEDRO DRIVE DATE 11-2012
INSPECTOR'S ATTENDANCE BY: TEC DATE 12-2012
FIELD VERIFICATION BY: SAN PEDRO DRIVE DATE 11-2012
CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999665042
ΔX=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL
DAVID M. GUTIERREZ 9677 LICENSED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
1	7-7-11	ADD T-MANHOLE & 72"x24" WYE	

DESIGNED BY D.E.M. DATE 3-10
DRAWN BY D.E.M. DATE 3-10
CHECKED BY D.B.T. DATE 3-10

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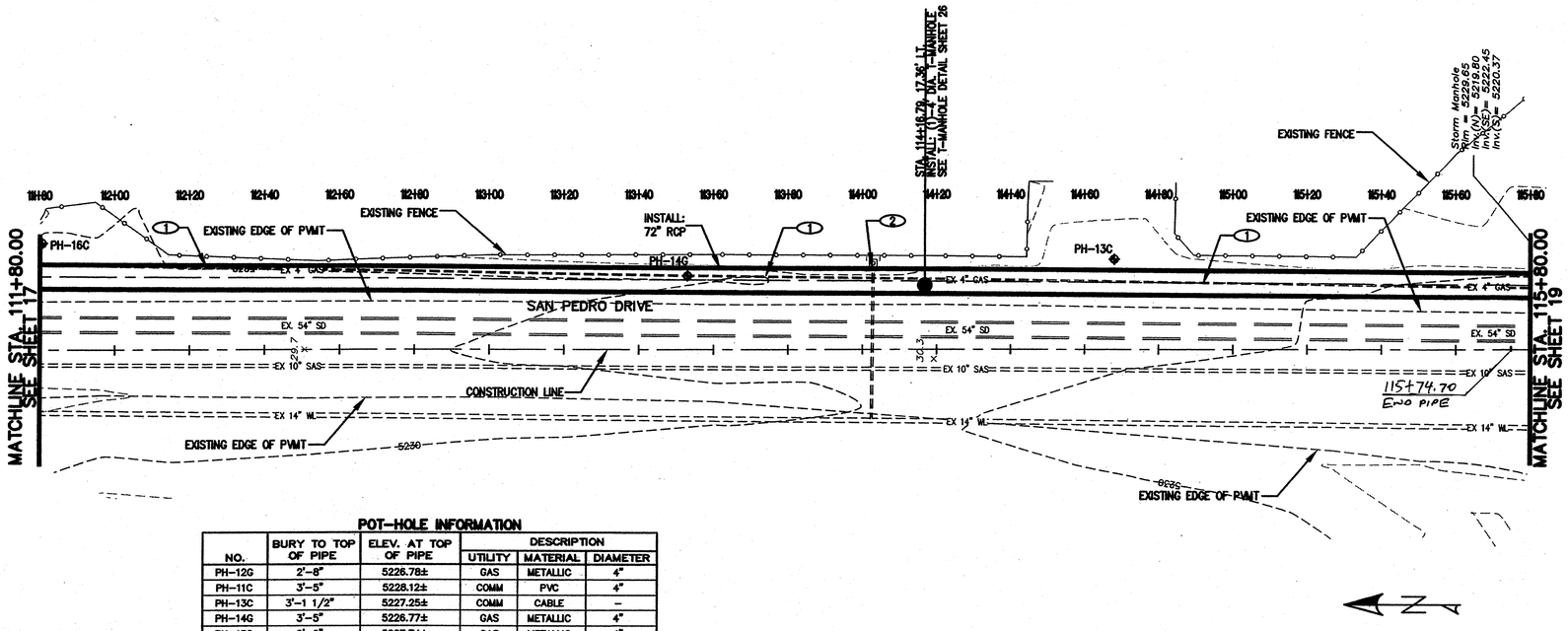
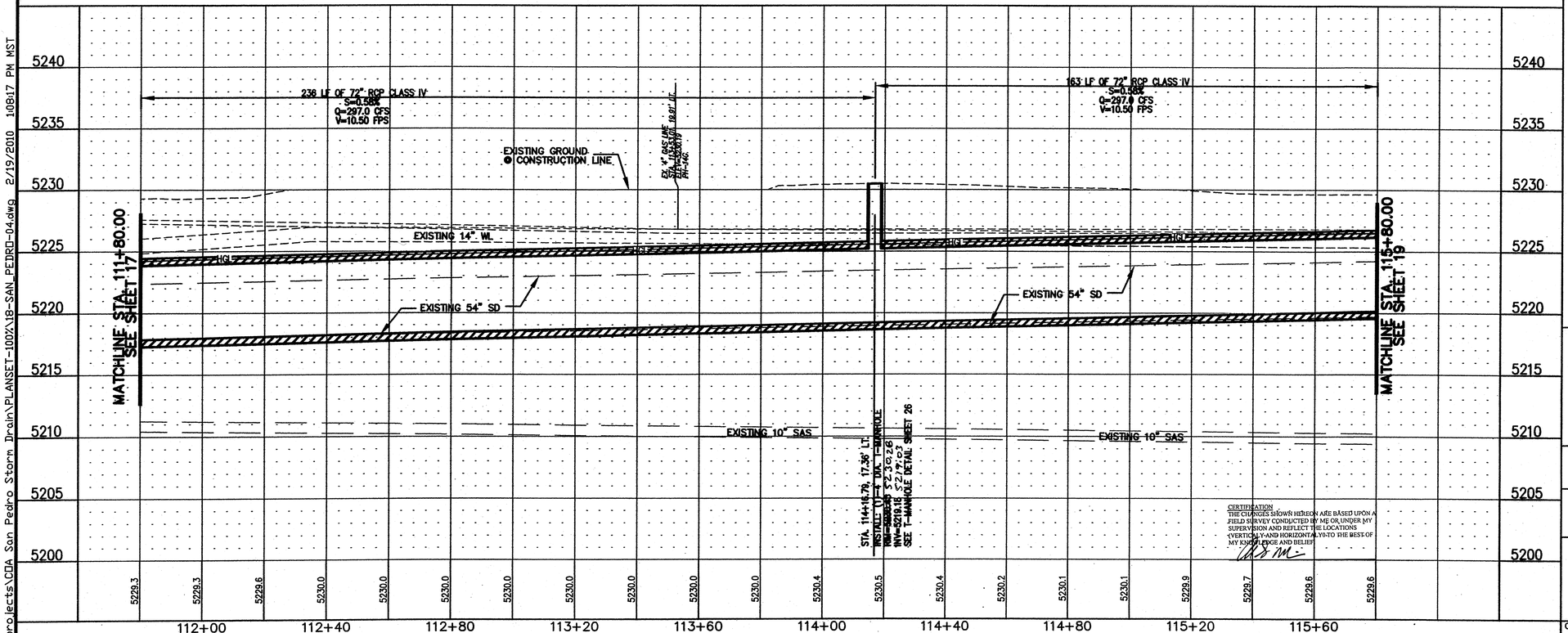


POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
PH-12G	2'-8"	5226.78±	GAS	METALLIC	4"
PH-11C	3'-5"	5228.12±	COMM	PVC	4"
PH-13C	3'-1 1/2"	5227.25±	COMM	CABLE	–
PH-14G	3'-5"	5226.77±	GAS	METALLIC	4"
PH-15G	2'-0"	5227.74±	GAS	METALLIC	4"
PH-16C	2'-8"	5227.12±	COMM	CABLE	–

SAN PEDRO DRIVE



CERTIFICATION
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICAL AND HORIZONTAL) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

KEYED NOTES:

1. EXISTING GAS LINE TO BE REMOVED & RELOCATED (BY OTHERS)
2. REMOVE AND REPLACE EXISTING 1" WATER SERVICE

RECORD DRAWING

SCALE: 1" = 20'

SCALE: 1" = 5'

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
P.O. BOX 65760, ALBUQUERQUE, NM 87193
PHONE: (505) 271-2199
FAX: (505) 830-9246

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **SAN PEDRO STORM DRAIN**
SAN PEDRO DR. PLAN & PROFILE
ST. 111+80 TO 115+80

Design Review Committee: APPROVE MAR 1 1 2010 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVE MAR 1 1 2010 CITY ENGINEER
Last Design Update

City Project No. 5304.91
Zone Map No. C-18-Z
Sheet 18 Of 44

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.99965042
ΔX=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

AS BUILT INFORMATION
CONTRACTOR — DATE/I-20
WORK STAKED BY — DATE/I-20
INSPECTORS ACCEPTANCE BY — DATE
VERIFICATION BY — DATE/I-20
DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

ENGINEERS SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY D.E.M.	DATE 3-10
		DRAWN BY D.E.M.	DATE 3-10
		CHECKED BY D.B.T.	DATE 3-10

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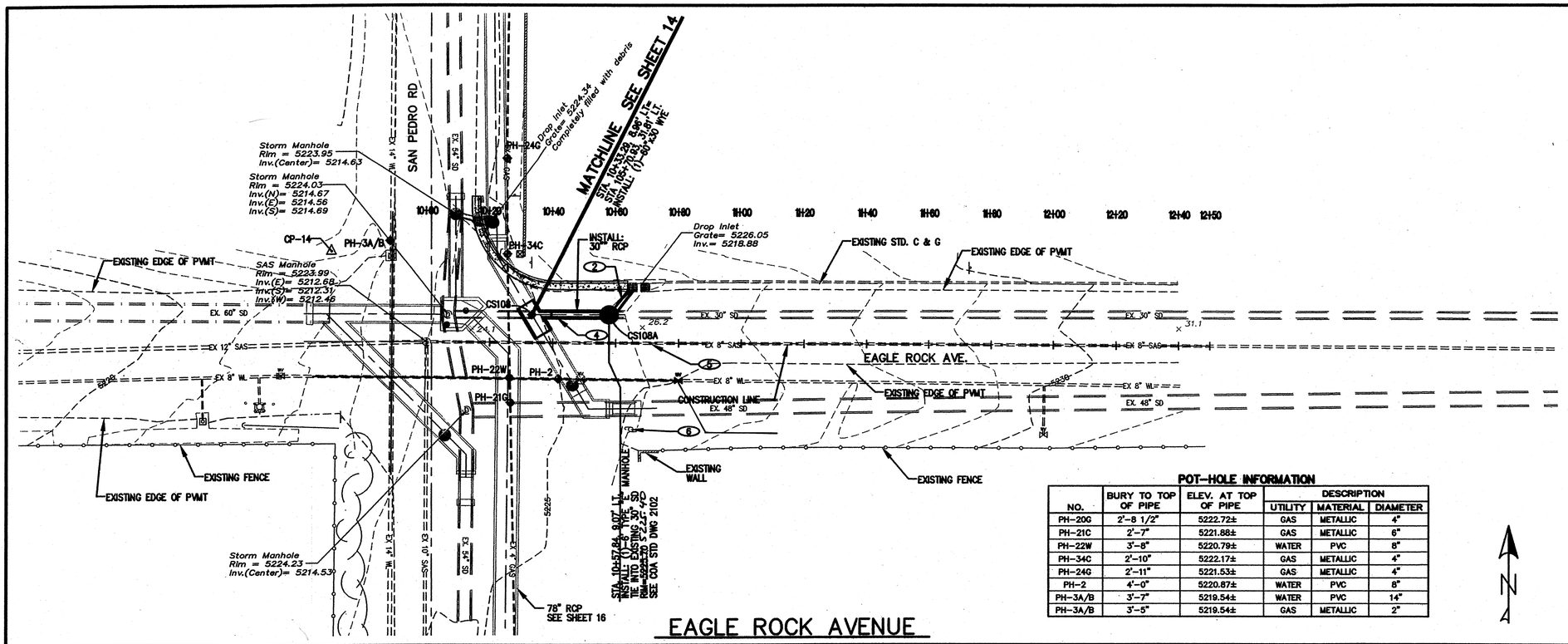


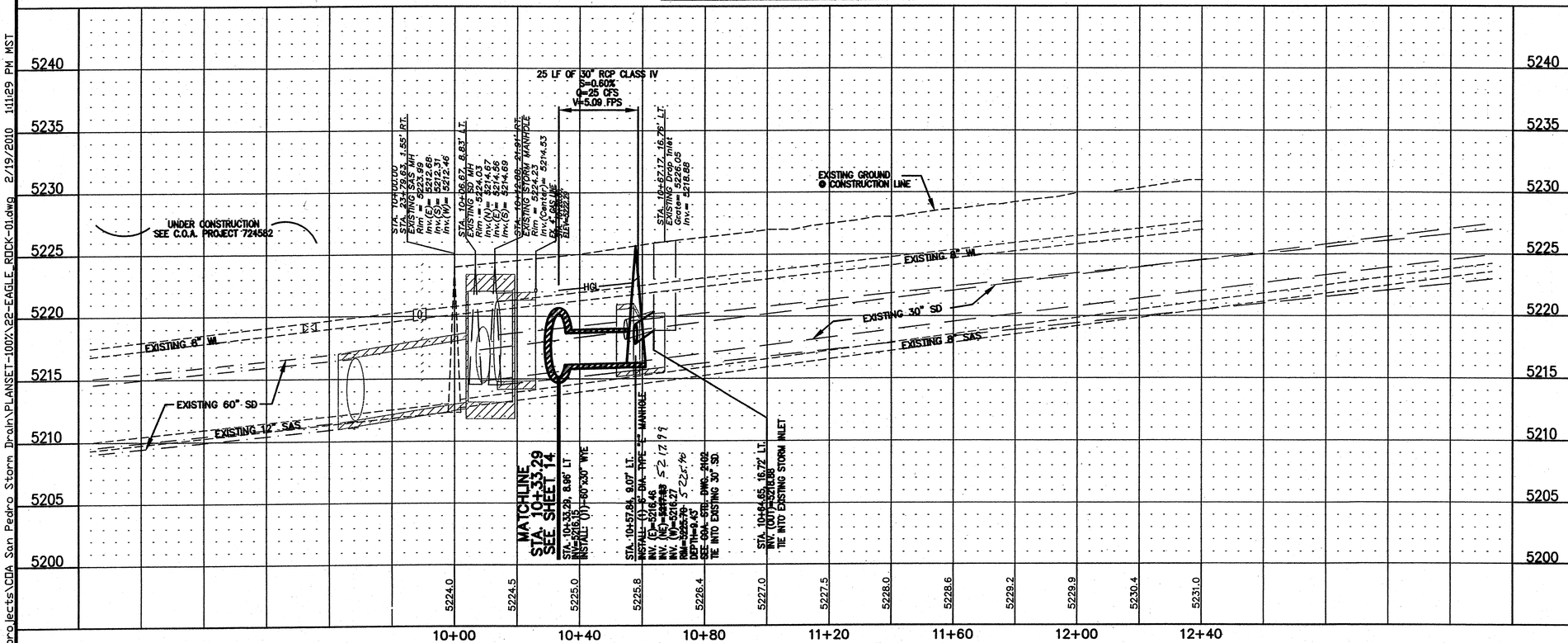
POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
PH-20G	2'-8 1/2"	5222.72±	GAS	METALLIC	4"
PH-21C	2'-7"	5221.88±	GAS	METALLIC	6"
PH-22W	3'-8"	5220.79±	WATER	PVC	8"
PH-34C	2'-10"	5222.17±	GAS	METALLIC	4"
PH-24G	2'-11"	5221.53±	GAS	METALLIC	4"
PH-2	4'-0"	5220.87±	WATER	PVC	8"
PH-3A/B	3'-7"	5219.54±	WATER	PVC	14"
PH-3A/B	3'-5"	5219.54±	GAS	METALLIC	2"

KEYED NOTES:

1. NOT USED
2. REMOVE, DISPOSE AND REPLACE 11 LF CONNECTOR PIPE SEE INLET DETAIL SHEET 26
3. NOT USED
4. REMOVE AND DISPOSE EXISTING 30" STORMDRAIN
5. PROTECT EXISTING 8", 10" AND 12" SAS LINES
6. CONTRACTOR TO PROTECT EXISTING POWER POLE

RECORD DRAWING



CONSTRUCTION SURVEY POINTS

PT #	Northing	Easting
CS108	1524166.588	1543085.321
CS108A	1524166.537	1543109.874

SCALE: 1" = 20'

SCALE: 1" = 5'

Thompson Engineering Consultants, Inc.
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P.O. BOX 65760, ALBUQUERQUE, NM 87193
PHONE: (505) 271-2199
FAX: (505) 830-9246

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE:
SAN PEDRO STORM DRAIN
EAGLE ROCK AVE. PLAN & PROFILE 30" RCP

Design Review Committee: APPROVED MAR 11 2010 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED MAR 11 2010 CITY ENGINEER

Last Design Update

No. / Bsy / Yr.	No. / Bsy / Yr.

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 22 Of 44

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: Sandia Land Surveying DATE 11-2-12
ACCEPTANCE BY: TEC DATE 12-20-12
FIELD LOCATION BY: Sandia Land Surveying DATE 11-20-12
DRAWINGS CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.
ELEVATION=5222.09 (NAVD 1988)

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL & EAGLE ROCK RD
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
(G-C)=0.999665042
ΔX=0° 11' 19.43"

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

REVISIONS

NO.	DATE	BY	REMARKS
			DESIGN

DESIGNED BY D.E.M. DATE 3-10
DRAWN BY D.E.M. DATE 3-10
CHECKED BY D.B.T. DATE 3-10

ENGINEERS SEAL

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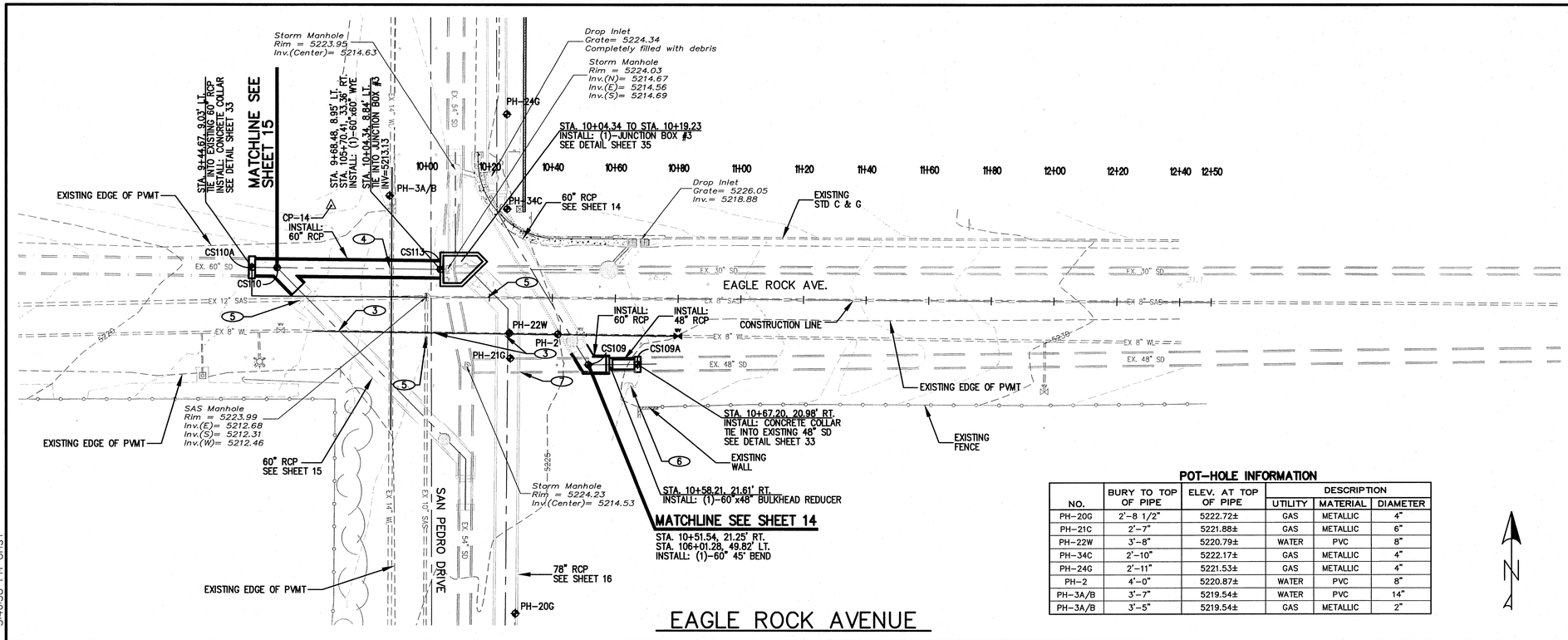
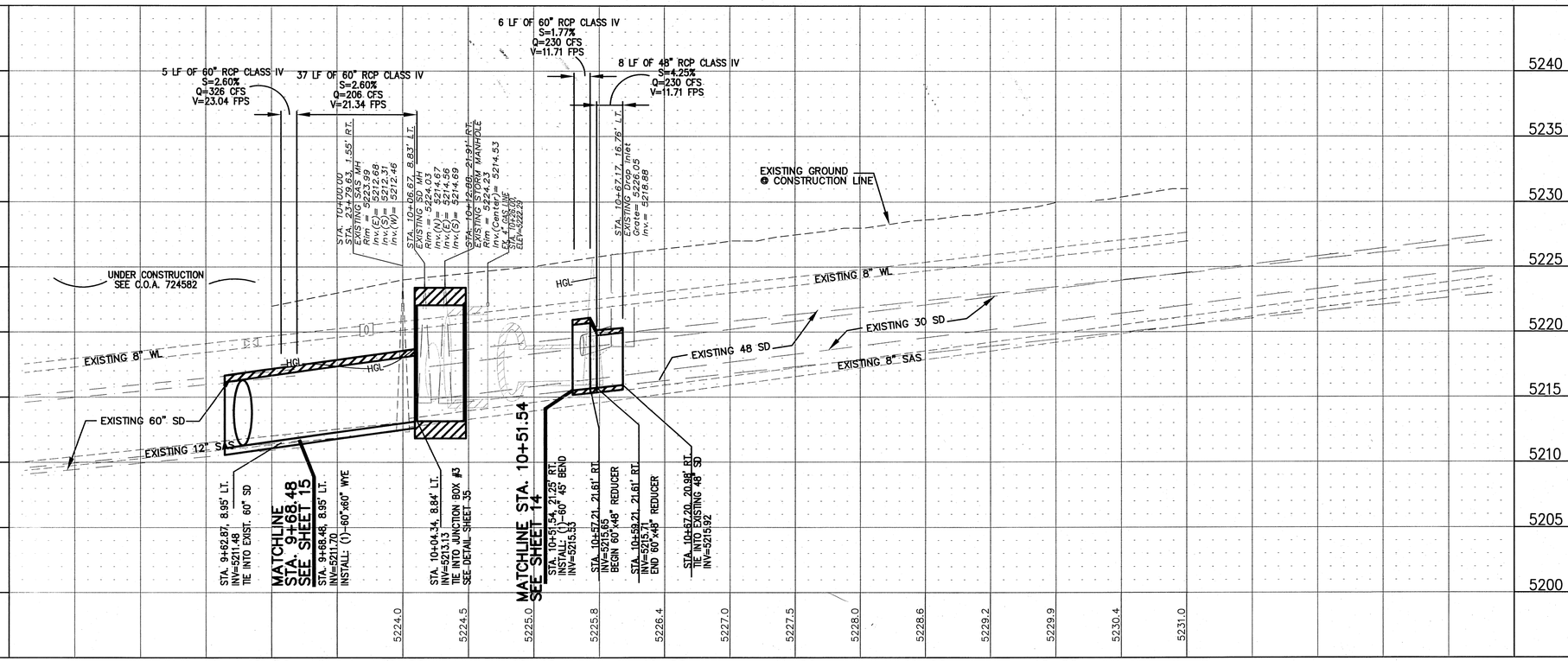


EAGLE ROCK AVENUE

POT-HOLE INFORMATION

NO.	BURY TO TOP OF PIPE	ELEV. AT TOP OF PIPE	DESCRIPTION		
			UTILITY	MATERIAL	DIAMETER
PH-20G	2'-8 1/2"	5222.72±	GAS	METALLIC	4"
PH-21C	2'-7"	5221.88±	GAS	METALLIC	6"
PH-22W	3'-8"	5220.79±	WATER	PVC	8"
PH-34C	2'-10"	5222.17±	GAS	METALLIC	4"
PH-24G	2'-11"	5221.53±	GAS	METALLIC	4"
PH-2	4'-0"	5220.87±	WATER	PVC	8"
PH-3A/B	3'-7"	5219.54±	WATER	PVC	14"
PH-3A/B	3'-5"	5219.54±	GAS	METALLIC	2"



KEYED NOTES:

1. NOT USED
2. NOT USED
3. RELOCATE 8" DIA WATERLINE VERTICALLY SEE DETAIL SHEET 30
4. RELOCATE 14" DIA WATERLINE VERTICALLY SEE DETAIL SHEET 30
5. PROTECT EXISTING 8", 10" AND 12" SAS LINES
6. CONTRACTOR TO PROTECT EXISTING POWER POLE
7. REMOVE AND DISPOSE EXISTING 48" STORM DRAIN

RECORD DRAWING

CONSTRUCTION SURVEY POINTS

PT #	Northing	Easting
CS109	1524136.257	1543103.372
CS109A	1524136.423	1543119.030
CS110	1524167.166	1543004.665
CS110A	1524167.245	1542996.702
CS113	1524166.653	1543056.369

SCALE: 1" = 5'

SCALE: 1" = 20'

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
P.O. BOX 65760 ALBUQUERQUE, NM 87193
PHONE: (505) 271-2199
FAX: (505) 830-9246

AS BUILT INFORMATION
CONTRACTOR DATE 11-2012
WORK STAKED BY SAD-DIA, Land Surveying DATE 11-2012
INSPECTOR'S ACCEPTANCE BY TEC. DATE 12-2012
FIELD VERIFICATION BY SAD-DIA, Land Surveying DATE 11-2012
CONSTRUCTED BY DATE
CORRECTED BY
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999665042
ΔX=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY D.E.M. DATE 3-10
DRAWN BY D.E.M. DATE 3-10
CHECKED BY D.B.T. DATE 3-10

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: SAN PEDRO STORM DRAIN
EAGLE ROCK AVE. PLAN & PROFILE 60" RCP

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

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 23 Of 44

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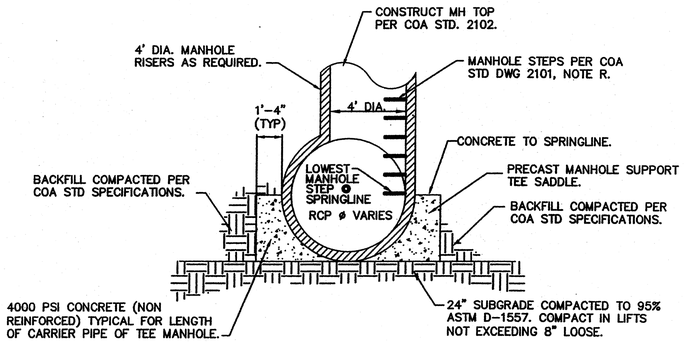
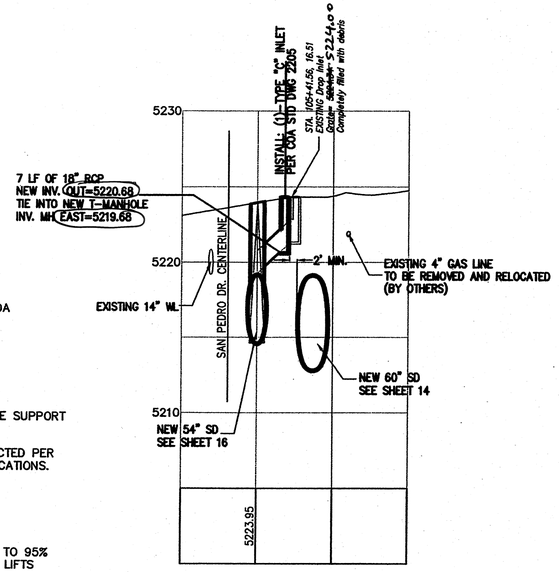


STORM DRAIN TEE MANHOLE DETAIL

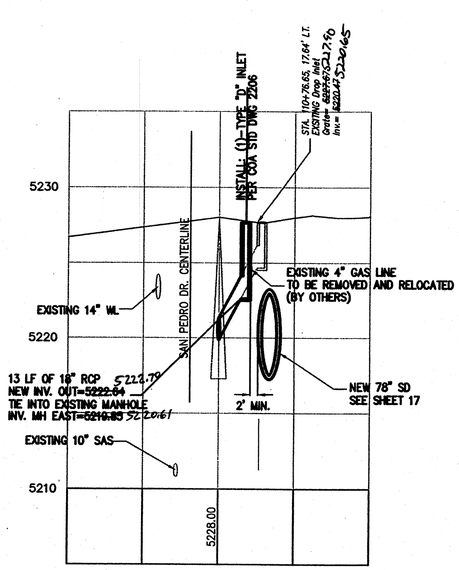
N.T.S.

TO BE USED ON ALL SD TEE MH'S.



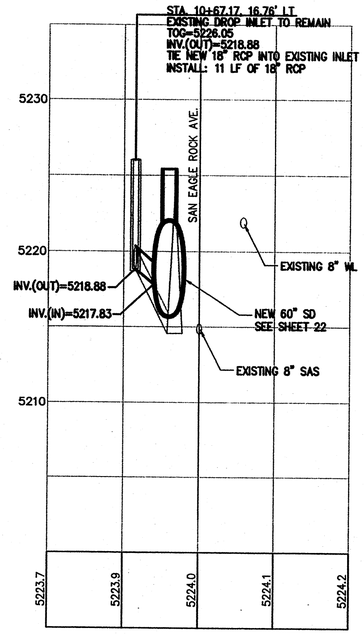
INLET DETAIL

STA. 105+39.07, 7.73' LT. SAN PEDRO DR.



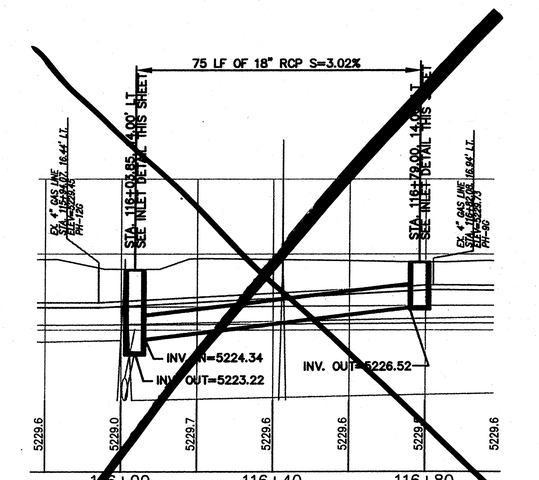
INLET DETAIL

STA. 110+76.00, 20.00' LT. SAN PEDRO DR.

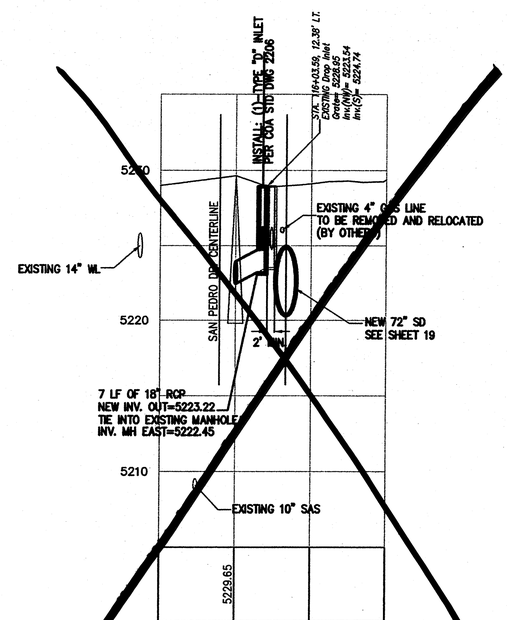


INLET DETAIL

STA. 10+67.17, 16.76' LT EAGLE ROCK AVE.

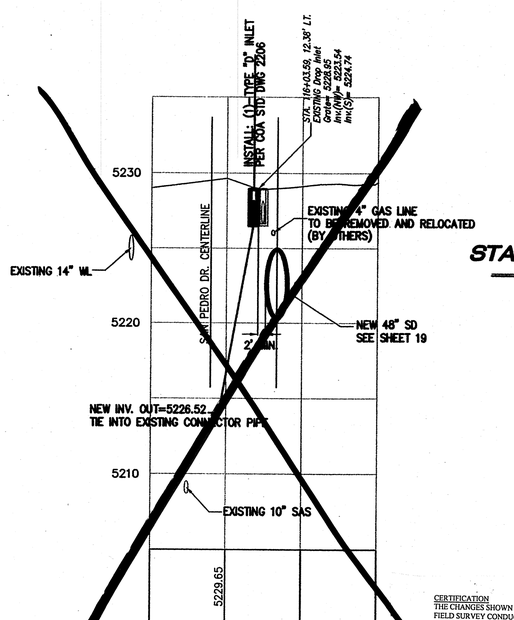


18" STORMDRAIN SAN PEDRO DR.



INLET DETAIL

STA. 116+03.85, 14.00' LT. SAN PEDRO DR.



INLET DETAIL

STA. 116+79.00, 14.00' LT. SAN PEDRO DR.

CERTIFICATION
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

RECORD DRAWING

Thompson Engineering Consultants, Inc.
tecnm@yahoo.com
P.O. BOX 65760
ALBUQUERQUE, NM 87193
PHONE: (505) 271-2199
FAX: (505) 830-9248

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE:
SAN PEDRO STORM DRAIN
T-MANHOLE & STORM INLET DETAILS

Design Review Committee: APPROVED MAR 11 2010 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2010 CITY ENGINEER
Last Design Update

City Project No. 5304.91
Zone Map No. C-18-Z
Sheet 26 Of 44

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999665042
ΔX=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: Sandia Land Surveying DATE: 12-2-09
INSPECTORS FIELD CHANGES BY: TEC DATE: 12-2-09
FIELD VERIFICATION BY: Sandia Land Surveying DATE: 1-20-10
NOTES CORRECTED BY: Sandia Land Surveying DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY		D.E.M.	DATE 3-10
DRAWN BY		D.E.M.	DATE 3-10
CHECKED BY		D.B.T.	DATE 3-10

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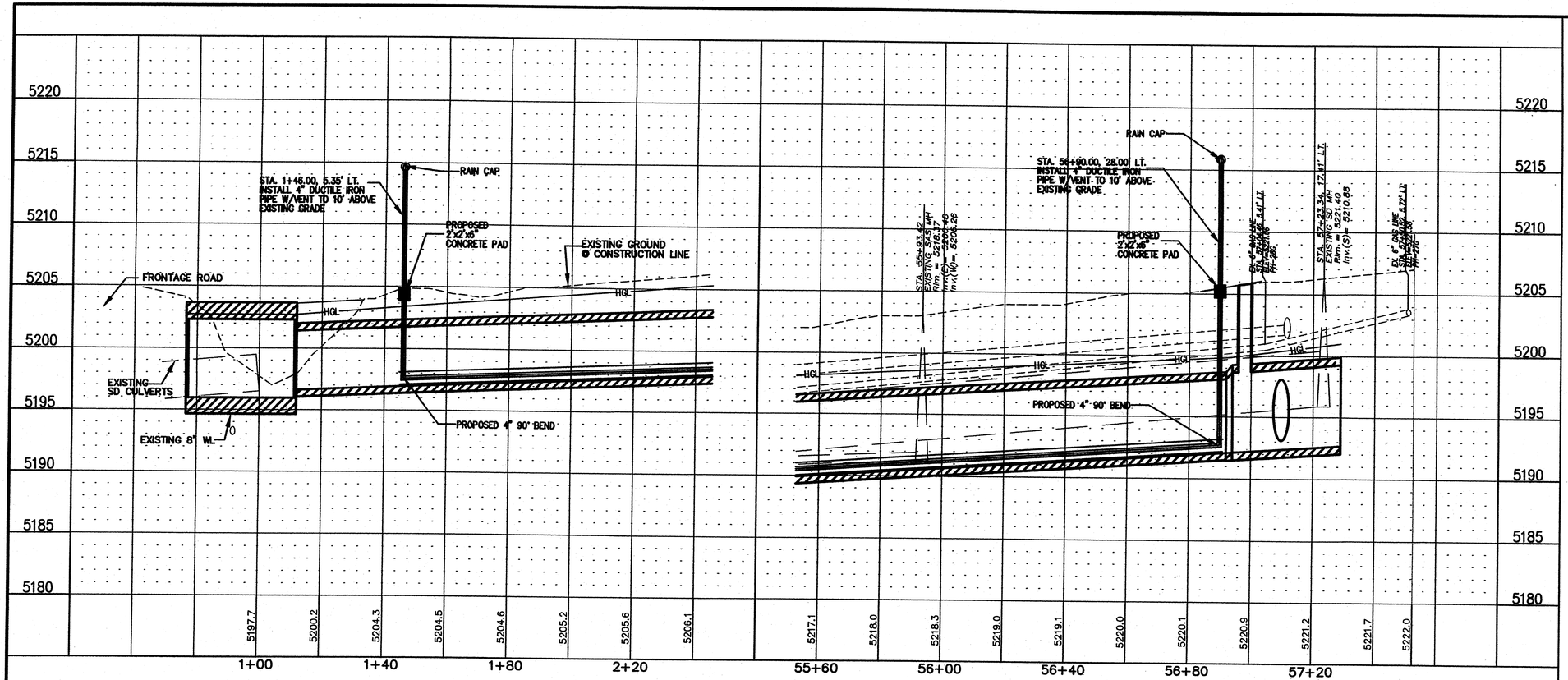
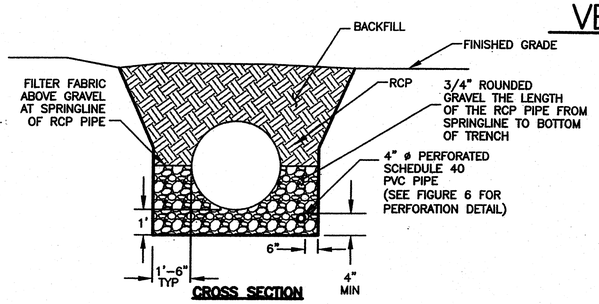
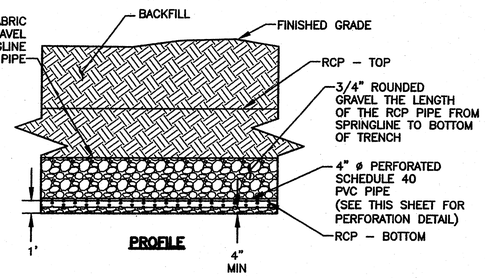


VERTICAL METHANE GAS VENT PIPE DETAIL



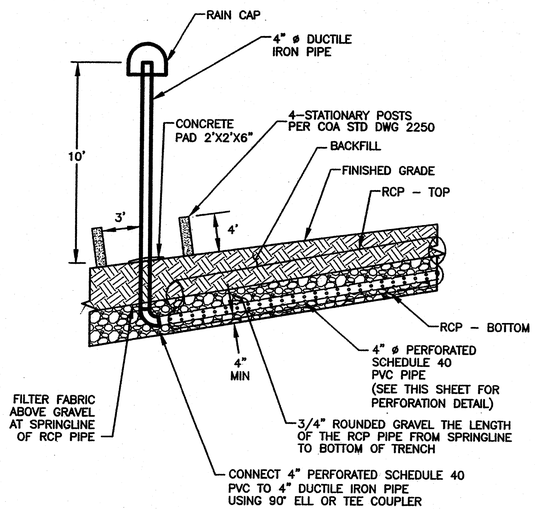
CROSS SECTION



PROFILE

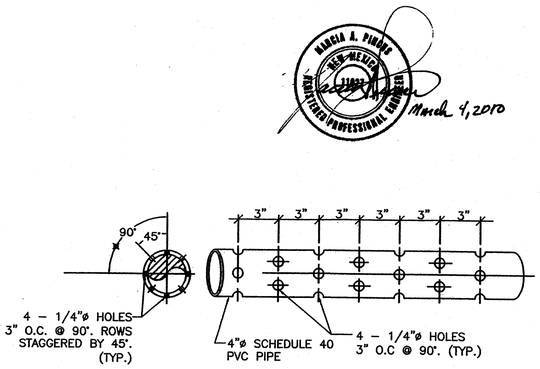
NOTE: THERE WILL BE A MINIMUM OF ONE FOOT OF 3/4" ROUNDED GRAVEL UNDER THE RCP THE LENGTH OF THE RCP PIPE.

LANDFILL GAS TRENCH DETAIL
NTS



NOTE: THERE WILL BE A MINIMUM OF ONE FOOT OF 3/4" ROUNDED GRAVEL UNDER THE RCP THE LENGTH OF THE RCP PIPE.

LANDFILL GAS VENT PIPE DETAIL
NTS



PIPE PERFORATION DETAIL
NTS

NOTES:

1. CONTRACTOR TO INSTALL 4" PERFORATED PIPE, FILTER FABRIC, AND 3/4" ROUND ROCK (NO LIMESTONE). SEE DETAIL THIS SHEET.
2. CONTRACTOR TO INSTALL 4" DUCTILE IRON METHANE GAS VENT, SEE DETAIL THIS SHEET.

RECORD DRAWING

SCALE: 1" = 5'

SCALE: 1" = 20'

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY DATE
INSPECTORS ACCEPTANCE BY DATE
VERIFICATION BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G–C=0.999865042
Δ X=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEERS SEAL

MARCIA A. PINGEL — NEW MEXICO — 11827 — REGISTERED PROFESSIONAL ENGINEER
March 4, 2010

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY D.E.M.	DATE 3-10
		DRAWN BY D.E.M.	DATE 3-10
		CHECKED BY D.B.T.	DATE 3-10

Thompson Engineering Consultants, Inc.
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P.O. BOX 65760 ALBUQUERQUE, NM 87193
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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE:
SAN PEDRO STORM DRAIN
LANDFILL GAS DETAIL SHEET

Design Review Committee: APPROVED MAR 11 2010 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2010 CITY ENGINEER
Last Design Update

No. / Day / Yr.	No. / Day / Yr.

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 27 Of 44

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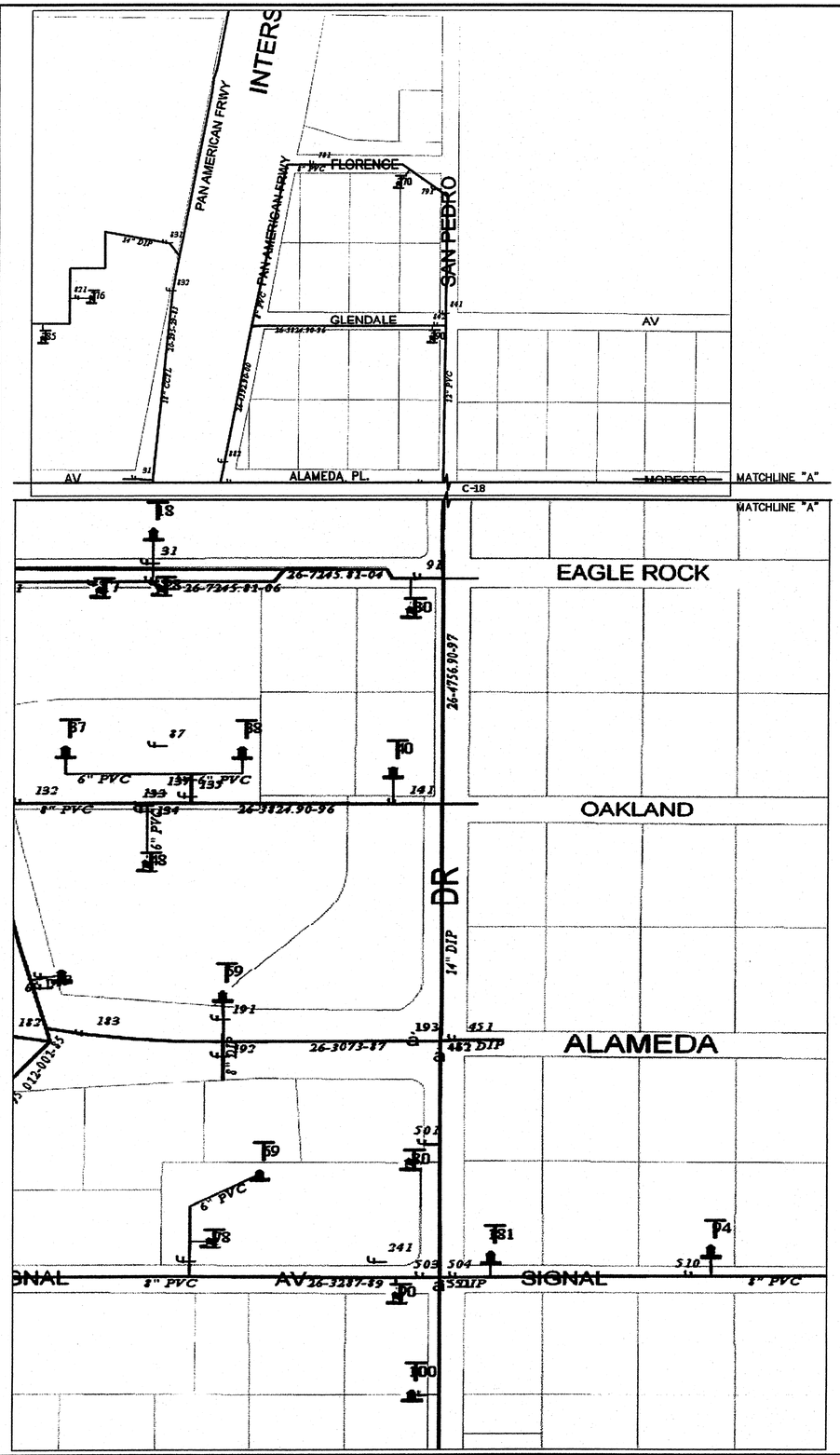


SAN PEDRO DR. WATER SHUT OFF REQUIREMENTS

WORK ITEM	VALVES TO BE CLOSED DURING WORK ITEM	FIRE HYDRANTS OUT OF SERVICE DURING WORK ITEM
INSTALLATION OF 14" VALVE @ SAN PEDRO STA. 105+38.00	841, 842, 893, 91 141, 193, 451, 452	40
LOWERING OF 14" WL @ SAN PEDRO DR. STA. 105+38.00 TO 106+22.00	NEW VALVE @ STA. 105+38.00, 91, 141, 193, 451, 452	40

EAGLE ROCK RD. WATER SHUT OFF REQUIREMENTS

WORK ITEM	VALVES TO BE CLOSED DURING WORK ITEM	FIRE HYDRANTS OUT OF SERVICE DURING WORK ITEM
INSTALLATION OF 8" VALVE @ EAGLE ROCK STA. 10+90.00	NEW 14" VALVE @ STA. 105+38.00 (SAN PEDRO)	40
LOWERING OF 8" WL @ EAGLE ROCK RD. STA. 9+64.00 TO 10+90.00	91, 141, 193, 451, 452	

OAKLAND RD. WATER SHUT OFF REQUIREMENTS

WORK ITEM	VALVES TO BE CLOSED DURING WORK ITEM	FIRE HYDRANTS OUT OF SERVICE DURING WORK ITEM
INSTALLATION OF 8" VALVE @ OAKLAND STA. 20+59.00	NEW 14" VALVE @ STA. 105+38.00 (SAN PEDRO)	40
LOWERING OF 8" WL @ OAKLAND RD. STA. 20+12.40 TO 20+68.20	91, 141, 193, 451, 452	

SIGNAL AVE. WATER SHUT OFF REQUIREMENTS

WORK ITEM	VALVES TO BE CLOSED DURING WORK ITEM	FIRE HYDRANTS OUT OF SERVICE DURING WORK ITEM
LOWERING OF 8" WL @ SIGNAL STA. 39+93.00 TO 40+61.00	504, 510	181
REPLACEMENT OF 6" WL TO FIRE HYDRANT # 181 INSTALL NEW VALVE & VALVE BOX @ STA. 40+41.00		

GENERAL NOTES:

1. DISINFECTION AND FILLING OF WATER LINES SHALL CONFORM TO THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS 801.17 EXCEPT AS MODIFIED HEREIN. THIS WORK IS INCIDENTAL TO THE WATERLINE CONSTRUCTION. NO ADDITIONAL PAYMENT WILL BE MADE.
2. ALL NECESSARY MEASURES SHALL BE TAKEN TO PREVENT CONTAMINATED MATERIALS FROM ENTERING THE WATER LINE DURING STORAGE, CONSTRUCTION, OR REPAIR INCLUDING CAPPING THE WATER LINE AT NIGHT AND DURING ALL BREAKS IN PIPE LAYING.
3. REMOVE ANY MATERIALS, DIRT OR DEBRIS THAT MAY HAVE ENTERED THE WATER LINE PRIOR TO DISINFECTION.
4. ADD A FLUSHING/DRAINING PORT TO ALL DEAD END LINES DISCHARGE POINTS AND FILLING POINTS WHICH ARE NOT FIRE HYDRANTS. PORT SHALL BE 2" MIN. UNLESS SHOWN OTHERWISE. PORT SHALL ALLOW PIPE TO FULLY DRAIN.
5. FILL THE WATER LINE PER THE PLAN SHOWN ON THIS SHEET THROUGH AN APPROVED BACK FLOW PREVENTION DEVICE. CONTRACTOR SHALL USE NECESSARY METHODS TO ALLOW ALL AIR IN THE WATER LINE TO RELEASE WITHOUT CONTAMINATING ANY EXISTING WATER LINES OR FIELD TAPPING CONCRETE CYLINDER PIPE.
6. PRESSURE TEST IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATION 801.16.

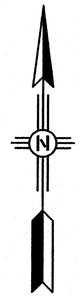
   DISINFECT THE WATER LINE PER CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS 801.17 AND AWWA C651 (LATEST EDITION). SODIUM OR CALCIUM HYPOCHLORITE ARE THE ONLY PERMISSIBLE FORMS OF CHLORINE TO BE USED. GRANULES OR TABLETS SHALL NOT BE PLACED IN THE WATER LINE, HOWEVER THEY MAY BE USED TO PREMIX A HIGHLY CHLORINATED SOLUTION. CONTRACTOR SHALL ENSURE THAT GRANULES OR TABLETS NOT DISSOLVED ARE NOT INTRODUCED INTO THE WATER LINE FROM THE HIGHLY CHLORINATED WATER BY SCREENING THE DISCHARGE FROM THE PRE-MIXING VESSEL OR BY OTHER PROVEN MEANS.
8. THE SLUG OR CONTINUOUS-FEED METHOD SHALL BE USED (WITH PRELIMINARY FLUSHING ON LINES LESS THAN 24" IN DIAMETER AND BROOM SWEEPING ON LINES 24" AND LARGER).
9. AFTER THE REQUIRED RETENTION PERIOD, HEAVILY CHLORINATED WATER SHALL BE FLUSHED FROM THE WATER LINE PER THIS PLAN. INTRODUCE FLUSH WATER THROUGH AN APPROVED BACK FLOW DEVICE. DECHLORINATION IS REQUIRED WHEN NOTED ON THIS PLAN.
10. FLUSH THE WATER LINE BY CAREFULLY THROTTLING THE VALVE AT THE DISHCARGE END TO PREVENT A VACUUM IN THE WATER LINE AND TO PREVENT INUNDATING THE DISCHARGE STRUCTURE.
11. IF FLUSHING INTO A SANITARY SEWER NOTIFY THE WASTEWATER UTILITY DIVISION AT 873-7015 PRIOR TO FLUSHING. IF FLUSHING TO A CITY OF ALBUQUERQUE STORM SEWER OR DRAINAGE CHANNEL NOTIFY THE HYDROLOGY DIVISION AT 768-3654. IF FLUSHING TO AN AMAFCA STRUCTURE NOTIFY AMAFCA AT 884-2215 PRIOR TO FLUSHING. FLUSHING LINE SHALL BE SUPPORTED BY A STAND TO MAINTAIN AN 18" SEPARATION BETWEEN THE FLUSHING LINE AND THE DISCHARGE POINT OR MANHOLE RIM.
12. WHEN THE FLUSH WATER RESIDUAL CHLORINE IS LESS THAN 2.0 mg/L, THE WATER AUTHORITY WILL TAKE A POTABILITY TEST. UPON PASSING THE CONTRACTOR SHALL REMOVE THE METER AND BACK FLOW PREVENTION DEVICE. IF LINE DOES NOT PASS, CONTRACTOR SHALL REPEAT DISINFECTION AND/OR FLUSHING UNTIL LINE PASSES.
13. PROVIDE ABCWUA WITH A RECORD OF THE WATER VOLUME USED TO FILL AND FLUSH THE WATER LINE BASED ON WATER METER READINGS.
14. CONTRACTOR MAY SUBMIT AN ALTERNATE FILLING, DISINFECTING, AND FLUSHING PLAN FOR REVIEW AND APPROVAL AT LEAST 5 WORKING DAYS PRIOR TO FILLING.
15. THROTTLING SHALL BE PERFORMED USING VALVES NOT FIRE HYDRANTS.
16. THE CONTRACTOR SHALL BE GRANTED FREE WATER FOR TESTING AND FLUSHING. IF THE WATER LINE FAILS THE HYDROSTATIC OR POTABILITY TEST, THE CONTRACTOR SHALL PAY FOR THE ADDITIONAL WATER REQUIRED FOR RETESTING.

THIS SHEET GENERATED FROM CITY OF ALBUQUERQUE G.I.S. INFORMATION

WATER SHUTOFF GENERAL NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF THE WATER SHUT-OFF REQUIREMENTS IN CONJUNCTION WITH THE COMPLETION OF THIS PROJECT.
2. AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CONTACT THE ABCWUA (857-8200) TO INITIATE IMPLEMENTATION OF THIS WATER SHUT-OFF PLAN. ONLY ABCWUA PERSONNEL SHALL OPERATE WATER VALVES.
3. ALL AFFECTED PROPERTY OWNERS OF A WATER-SHUT OFF SHALL BE NOTIFIED ONE WEEK PRIOR TO WATER-SHUT OFF.
4. ALL WATERLINE WORK INVOLVING PUBLIC WATERLINE SHUT-OFFS SHALL BE PERFORMED ON WEEKENDS OR AT NIGHT. BUSINESS AND RESIDENTIAL ADDRESSES THAT EXPERIENCE WATER SHUT-OFF AS A RESULT OF THIS WORK SHALL BE NOTIFIED IN WRITING AT LEAST SEVEN (7) DAYS PRIOR TO INSTALLATION.
5. CONTRACTOR SHALL CONTACT THE CITY OF ALBUQUERQUE FIRE DEPARTMENT (833-7391) A MINIMUM OF SEVEN (7) WORKING DAYS PRIOR TO ANY OF THE WATER SHUT-OFFS. THE CONTRACTOR MUST INFORM THE FIRE DEPARTMENT OF THE FIRE HYDRANTS TO BE OUT OF SERVICE DURING THE WATER SHUT-OFFS.
6. FIRE HYDRANTS NOT IN SERVICE DURING ANY WATER SHUT-OFF ARE TO BE BAGGED.

RECORD DRAWING



AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY: DATE:
INSPECTOR'S ACCEPTANCE BY: DATE:
AS-BUILT VERIFICATION BY: DATE:
DRAWINGS CORRECTED BY: DATE:
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD.
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999885042
Δ X=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN TOLER SURVEYING CONTROL, INC.	5/2008

ENGINEERS SEAL
PATRICK J. CONLEY NEW MEXICO 14841 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY PJC	DATE 03/10
		DRAWN BY SEC	DATE 03/10
		CHECKED BY PJC	DATE 03/10

108108
Smith Engineering Company
A Full Service Engineering Company
2901 San Pedro Boulevard, N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

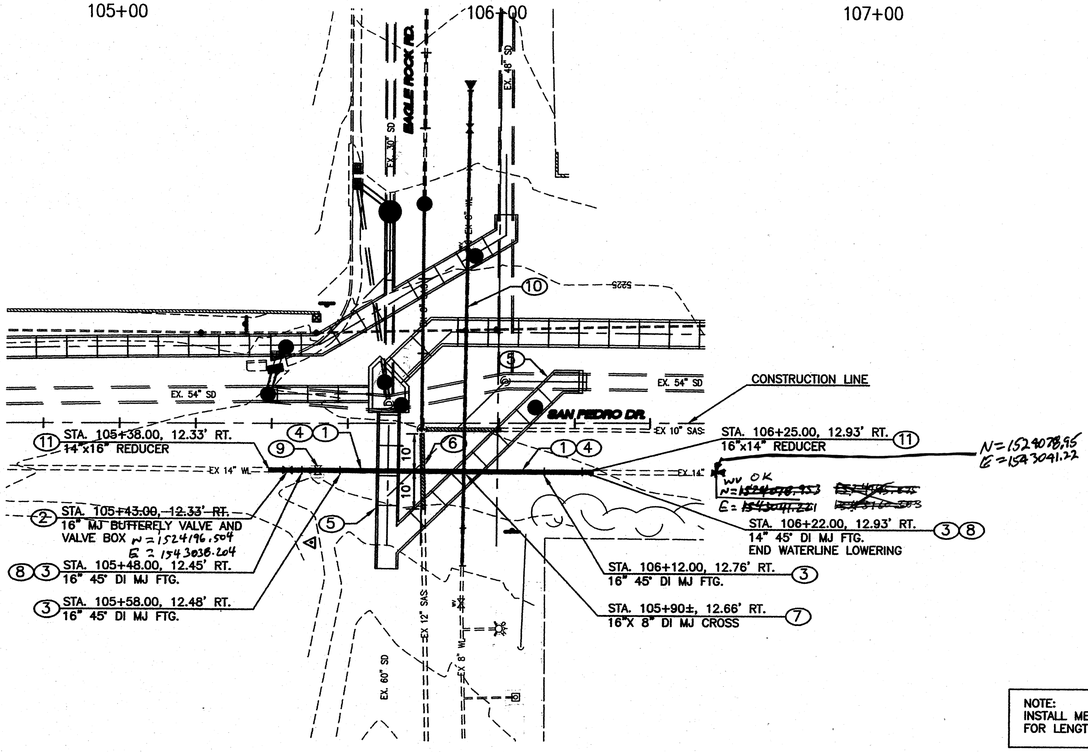
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

TITLE:
SAN PEDRO STORM DRAIN
WATER SHUTOFF PLAN

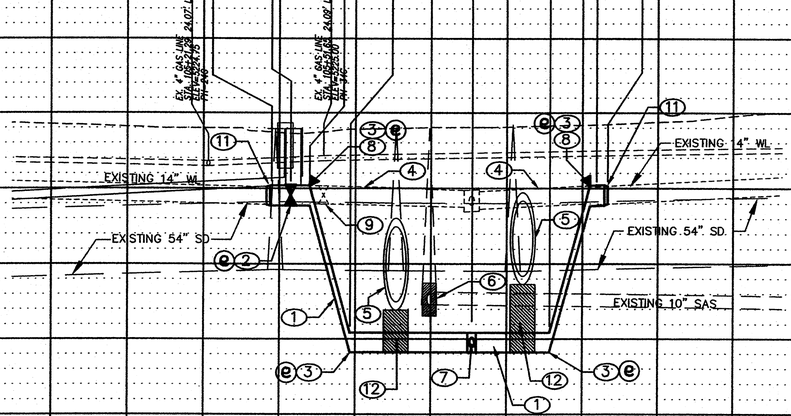
Design Review Committee: APPROVED MAR 11 2010 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2010 CITY ENGINEER
Last Design Update
No. / Day / Yr.
No. / Day / Yr.

City Project No. 5304.91
Zone Map No. C-18-Z
Sheet 28 Of 44

Q:/SEC-PROJECTS/2008 PROJECTS/108108 SAN PEDRO STORM DRAIN/CADD/UTILITY LOWERING DESIGN/28-WATER SHUTOFF PLAN.DWG



NOTE:
INSTALL MECHANICAL RESTRAINT FOR LENGTH OF NEW WATERLINE.



KEYED NOTES:

1. INSTALL 96 LF 16" DUCTILE IRON WATERLINE. FULLY RESTRAIN ALL JOINTS IN NEW SECTION OF PIPE.
2. INSTALL 16" MECHANICAL JOINT BUTTERFLY VALVE AND TYPE "A" VALVE BOX PER COA STD. DWG. 2326. BLOCK VALVE PER COA STD. DWG. 2320.
3. INSTALL 16" 45° DUCTILE IRON MECHANICAL JOINT FITTING.
4. REMOVE AND DISPOSE OF 85 LF 14" WATERLINE AND FITTINGS.
5. PROPOSED 60" STORM DRAIN. SEE SHEET 15.
6. CONCRETE ENCASE EXISTING 12" SAS PER COA STD. DWG. 2140.
7. INSTALL 16"X 8" DUCTILE IRON MECHANICAL JOINT CROSS.
8. INSTALL PCC BLOCKING PER COA STD. DWG. 2320.
9. REMOVE AND DISPOSE OF EXISTING 14" GATE VALVE AND VALVE BOX.
10. SEE SHEET 30 FOR 8" WATERLINE.
11. INSTALL 16"x14" REDUCER DUCTILE IRON MECHANICAL JOINT FITTING.
12. INSTALL LEAN FILL PER COA SPEC. 207.
- (e) INSTALL EMD.

RECORD DRAWING

SCALE: 1" = 20'

SCALE: 1" = 5'

CERTIFICATION
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICALLY AND HORIZONTALLY) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY Sandia Land Surveying DATE 1/20/10
INSPECTIONS BY TEC DATE 12-29-09
FIELD VERIFICATIONS BY Sandia Land Surveying DATE 1/20/10
INFORMATION BY SUBCONTRACTOR DATE
CORRECTED BY MICRO-FILM INFORMATION DATE
RECORDED BY DATE
NO.

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED BETWEEN ALAMEDA PL. & EAGLE ROCK RD. ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999865042
Δ X=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	SURVEYING CONTROL, INC.	5/2008

ENGINEERS SEAL
PATRICK J. CONLEY NEW MEXICO 10243 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY PJC DATE 03/10
DRAWN BY SEC DATE 03/10
CHECKED BY PJC DATE 03/10

108108
Smith Engineering Company
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5301 San Pedro Boulevard, N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

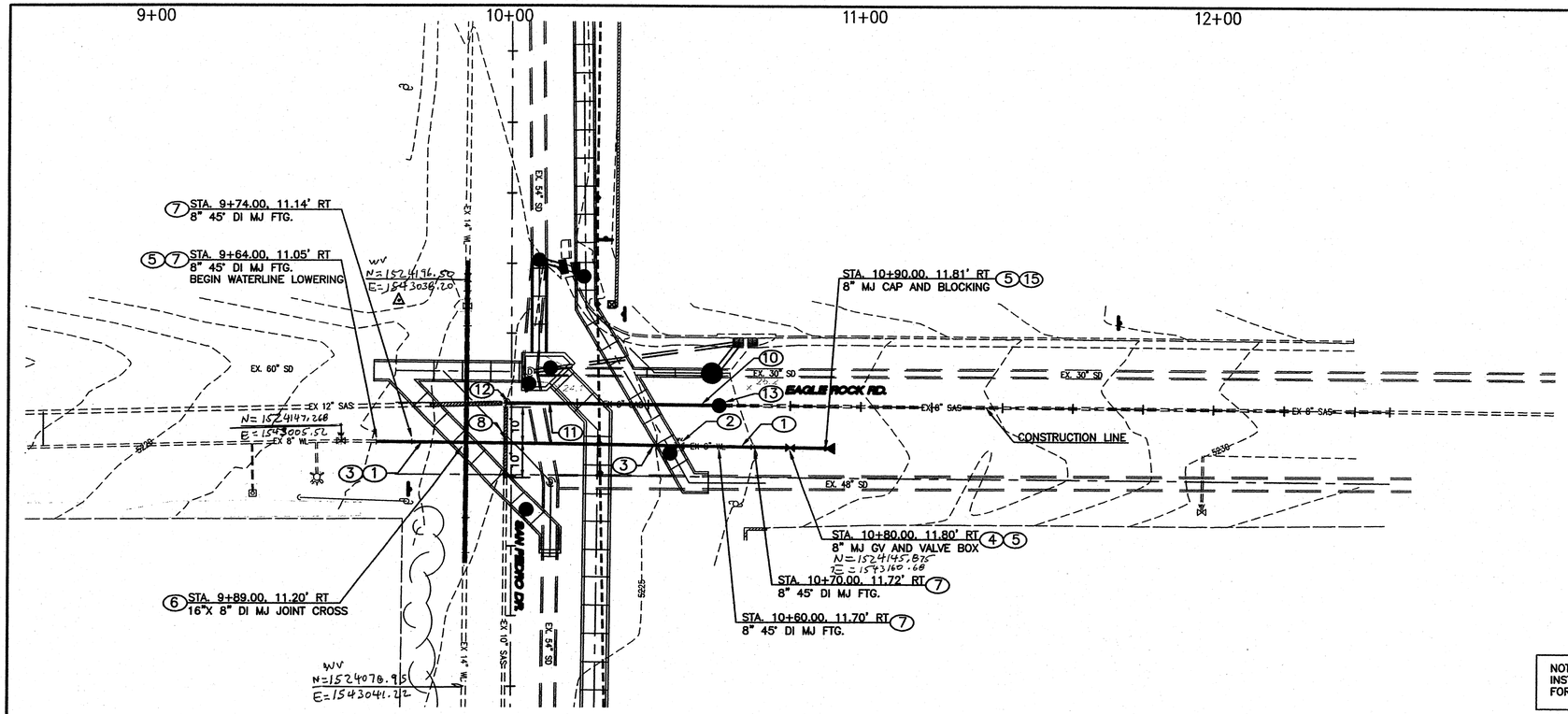
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

TITLE: SAN PEDRO STORM DRAIN
SAN PEDRO DR. PLAN & PROFILE
UTILITY LOWERING

Design Review Committee: APPROVED MAR 11 2010 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2010 CITY ENGINEER
Last Design Update
No. / Day / Yr.
No. / Day / Yr.

City Project No. 5304.91
Zone Map No. C-18-Z
Sheet 29 Of 44

Q:/SEC--PROJECTS/2008 PROJECTS/108108 SAN PEDRO STORM DRAIN/CADD/UTILITY LOWERING DESIGN/29-SAN PEDRO DR.DWG

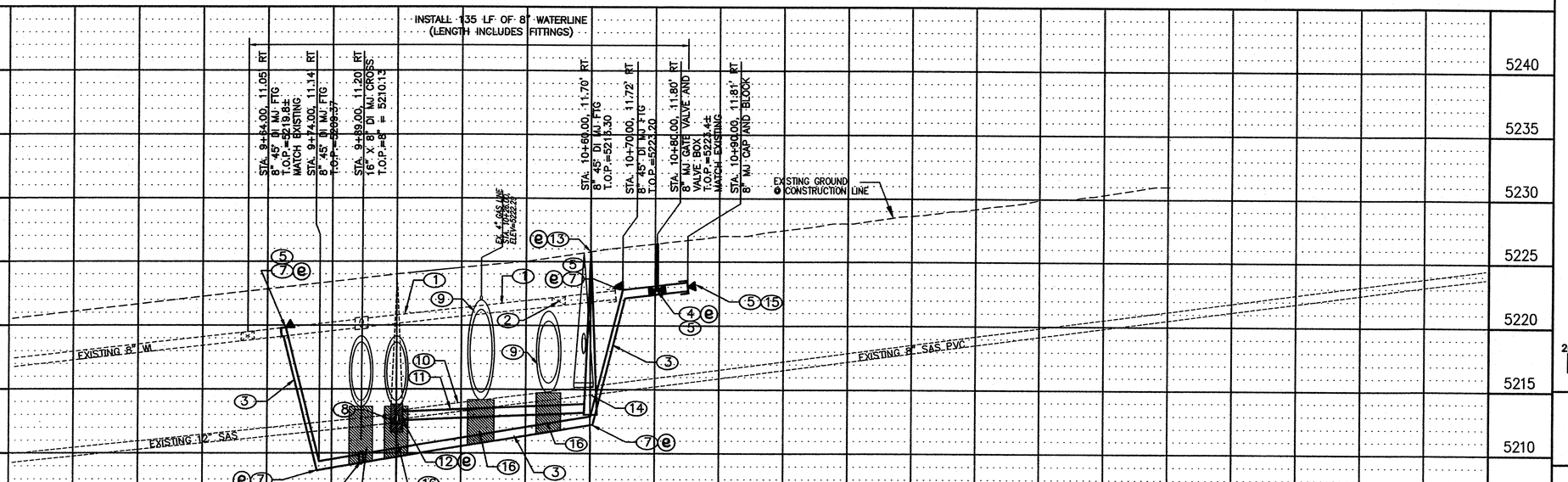


NOTE:
INSTALL MECHANICAL RESTRAINT FOR LENGTH OF NEW WATERLINE.

KEYED NOTES:

1. REMOVE AND DISPOSE OF 105 LF 8" WATERLINE.
2. REMOVE AND DISPOSE OF EXISTING 8" GATE VALVE AND VALVE BOX.
3. INSTALL 190 LF OF 8" C-900 DR18 WATERLINE. FULLY RESTRAIN NEW WATERLINE.
4. INSTALL 8" MJ GATE VALVE AND TYPE A VALVE BOX PER COA STD DWG. 2326.
5. INSTALL PCC BLOCKING PER COA STD DWG. 2320.
6. INSTALL 16" X 8" MJ DUCTILE IRON MECHANICAL JOINT CROSS.
7. INSTALL 8" 45° DUCTILE IRON MECHANICAL JOINT FITTING.
8. ENCASE EXISTING 10" SAS PER COA STD. DWG. 2140.
9. PROPOSED STORM DRAIN.
10. REMOVE AND DISPOSE OF 60 LF EXISTING 8" SAS.
11. INSTALL 60 LF OF 10" C-900 DR18 SAS.
12. CONNECT NEW 10" SAS TO EXISTING MANHOLE. RESHAPE MANHOLE BASE FOR NEW 10" INVERT PER COA STD DWG. 2102.
13. CONSTRUCT 4' DIAMETER TYPE E SAS MANHOLE PER COA STD. DWG. 2102.
14. CONNECT EXISTING 8" SAS TO NEW TYPE E MANHOLE AT EXISTING 8" INVERT.
15. INSTALL 8" MJ CAP.
16. INSTALL LEAN FILL PER COA SPEC. 207.

(e) INSTALL EMD.



RECORD DRAWING

SCALE: 1" = 20'

SCALE: 1" = 5'

108108
Smith Engineering Company
A Full Service Engineering Company
5971 San Pedro Boulevard, N.E., Bldg. #4, Suite 300 Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

TITLE: SAN PEDRO STORM DRAIN
EAGLE ROCK RD. PLAN & PROFILE
UTILITY LOWERING

Design Review Committee: APPROVE MAR 11 2010 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVE MAR 11 2010 CITY ENGINEER
Last Design Update
No. / Day / Yr.
No. / Day / Yr.

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 30 Of 44

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY Smith Eng. DATE 11-2012
INSPECTED BY Smith Eng. DATE 11-2012
ACCEPTANCE BY TEC DATE 12-12
FIELD VERIFICATION BY Smith Eng. DATE 11-2012
DRAWINGS CORRECTED BY DATE

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD.
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263

MICRO-FILM INFORMATION
G-C=0.999865042
RECORDED BY
DATE
△ X=0° 11' 19.43"
NO.
ELEVATION=5222.09 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES

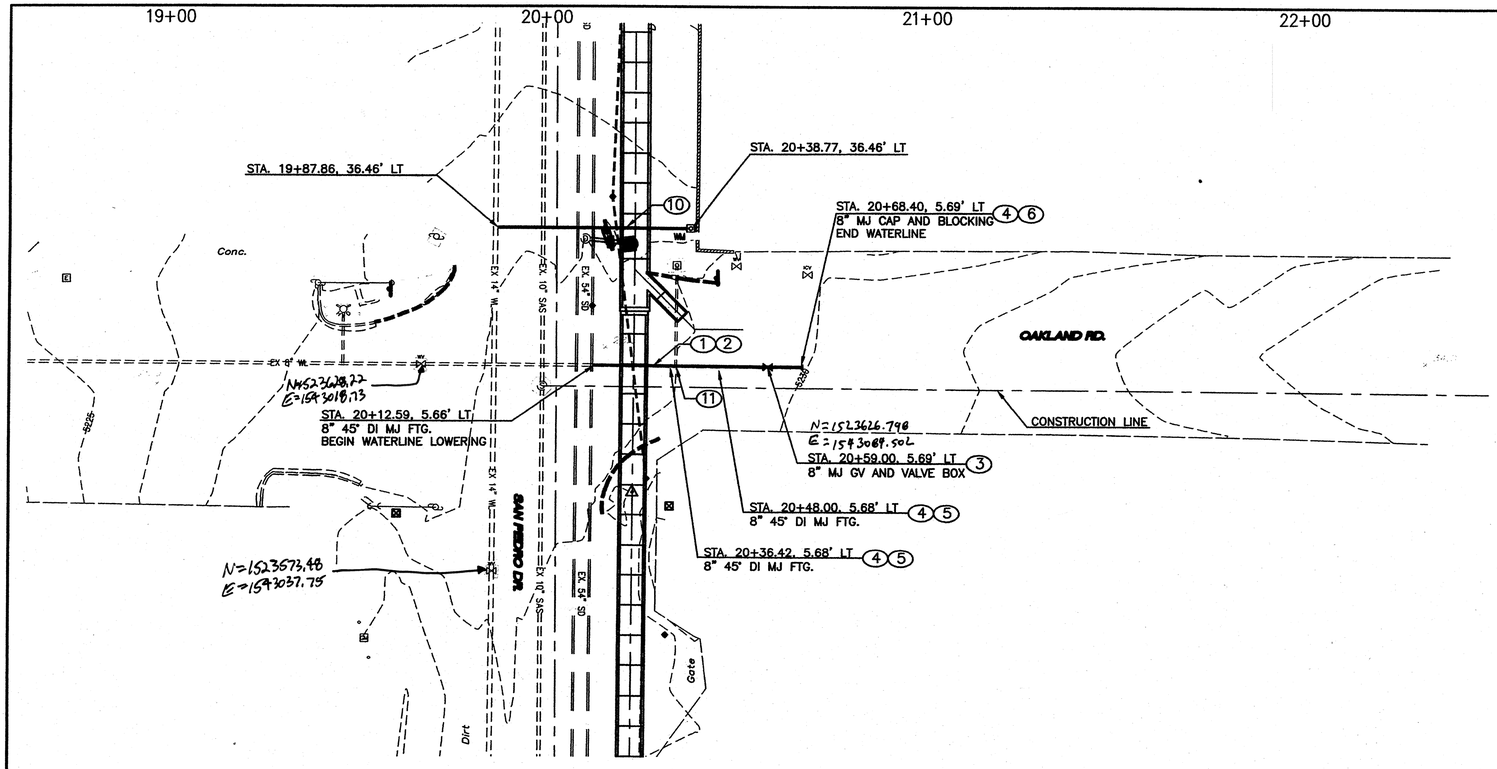
NO.	BY	DATE
11599	SURVEYING CONTROL, INC.	5/2008

ENGINEERS SEAL
PATRICK J. CONLEY NEW MEXICO 10141 REGISTERED PROFESSIONAL ENGINEER
7-8-10

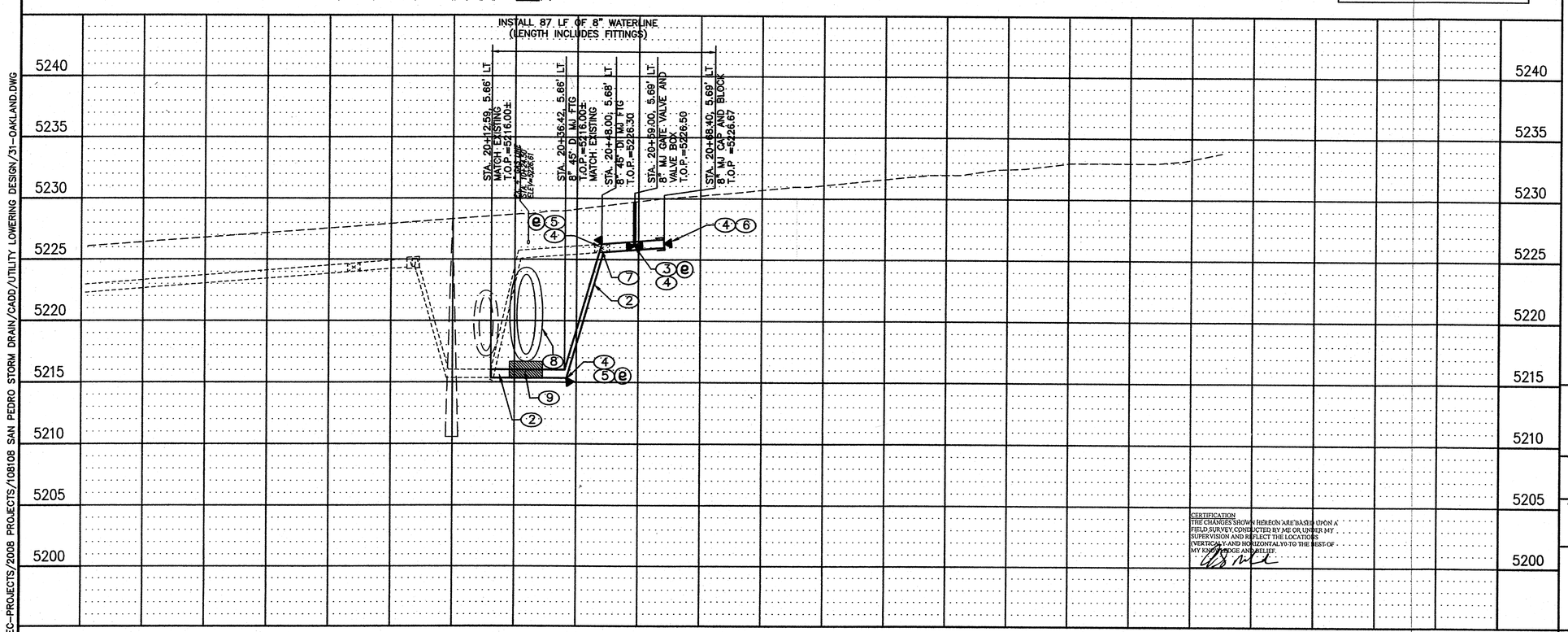
NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY PJC DATE 03/10
DRAWN BY SEC DATE 03/10
CHECKED BY PJC DATE 03/10

Q:/SEC-PROJECTS/2008 PROJECTS/108108 SAN PEDRO STORM DRAIN/CADD/UTILITY LOWERING DESIGN/30-EAGLE ROCK RD.DWG



NOTE:
INSTALL MECHANICAL RESTRAINT
FOR LENGTH OF NEW WATERLINE.

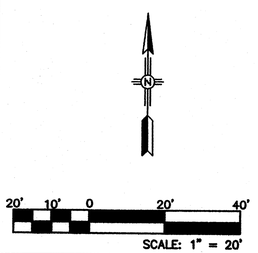


KEYED NOTES:

1. REMOVE AND DISPOSE OF 67 LF 8" WATERLINE.
2. INSTALL 87 LF OF 8" C-900 DR 18 WATERLINE. FULLY RESTRAIN NEW WATERLINE.
3. INSTALL 8" MJ GATE VALVE AND TYPE A VALVE BOX PER COA STD DWG. 2326 AND 2328. USE TAR COATED CMP FOR VALVE CAN.
4. INSTALL PCC BLOCKING PER COA STD DWG. 2320.
5. INSTALL 8" 45° DUCTILE IRON MECHANICAL JOINT FITTING.
6. INSTALL 8" MJ CAP.
7. REMOVE AND DISPOSE OF EXISTING 8" GATE VALVE AND VALVE BOX.
8. PROPOSED 78" STORM DRAIN.
9. INSTALL LEAN FILL PER COA SPEC. 207.
10. INSTALL NEW ¾" SERVICE LINE AND WATER METER. TIE INTO 14" WATERLINE USING EXISTING CORP STOP.
11. RECONNECT EXISTING WATER SERVICE TO NEW 8" WATERLINE PER COA STD DWG. 2363.

(e) INSTALL EMD.

RECORD
DRAWING



108108
Smith Engineering Company
A Full Service Engineering Company
2286 San Pedro Boulevard, N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

CERTIFICATION
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SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	SURVEYING CONTROL, INC.	5/2008

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD.
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999665042
Δ X=0° 11' 18.45"
ELEVATION=5222.09 (NAVD 1988)

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: DATE:
INSPECTIONS BY: DATE:
FIELD VERIFICATION BY: DATE:
CHANGES CORRECTED BY: DATE:

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS SEAL
PATRICK J. CONLEY
NEW MEXICO
10141
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY PJC	DATE 03/10
		DRAWN BY SEC	DATE 03/10
		CHECKED BY PJC	DATE 03/10

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

TITLE: SAN PEDRO STORM DRAIN
OAKLAND RD. PLAN & PROFILE
UTILITY LOWERING

Design Review Committee: APPROVE MAR 11 2010 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVE MAR 11 2010 CITY ENGINEER
Last Design Update
No. / Day / Yr.
No. / Day / Yr.

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 31 Of 44

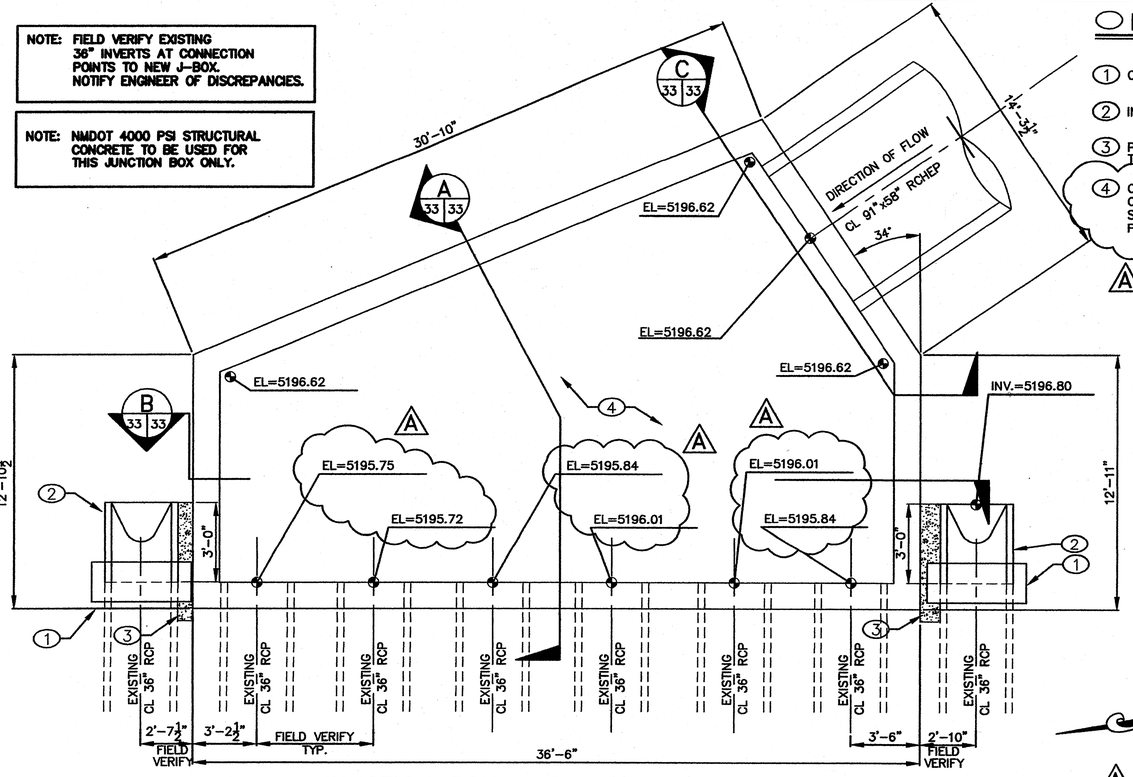
Q:/SEC-PROJECTS/2008 PROJECTS/108108 SAN PEDRO STORM DRAIN/CADD/UTILITY LOWERING DESIGN/31-OAKLAND.DWG

NOTE: FIELD VERIFY EXISTING 36" INVERTS AT CONNECTION POINTS TO NEW J-BOX. NOTIFY ENGINEER OF DISCREPANCIES.

NOTE: NMDOT 4000 PSI STRUCTURAL CONCRETE TO BE USED FOR THIS JUNCTION BOX ONLY.

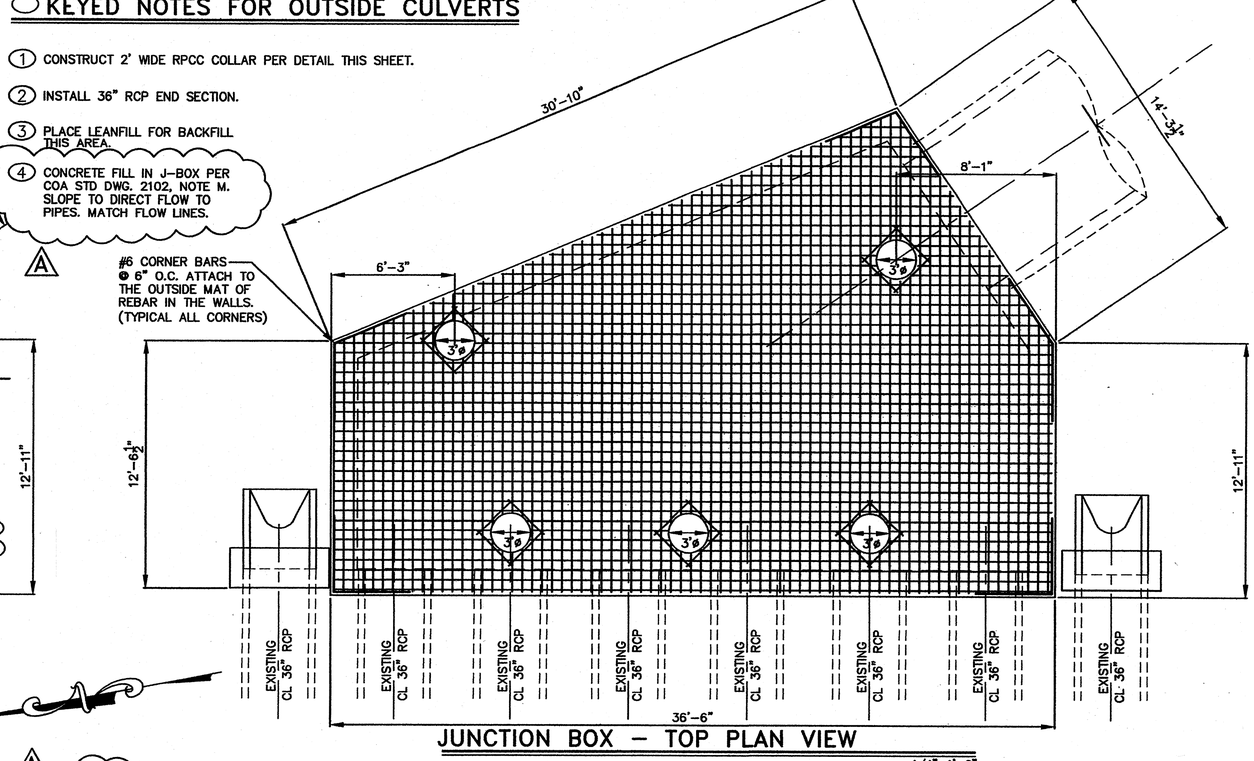
KEYED NOTES FOR OUTSIDE CULVERTS

1. CONSTRUCT 2' WIDE RPCC COLLAR PER DETAIL THIS SHEET.
2. INSTALL 36" RCP END SECTION.
3. PLACE LEANFILL FOR BACKFILL THIS AREA.
4. CONCRETE FILL IN J-BOX PER COA STD DWG. 2102, NOTE M. SLOPE TO DIRECT FLOW TO PIPES. MATCH FLOW LINES.

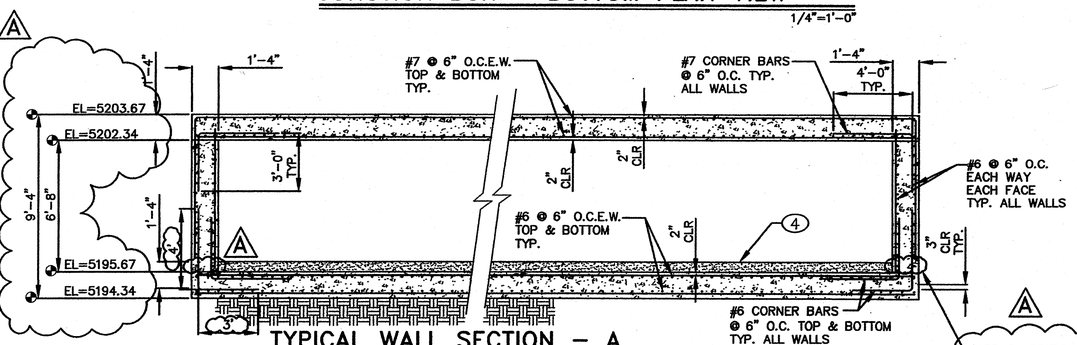


JUNCTION BOX – BOTTOM PLAN VIEW

1/4"=1'-0"

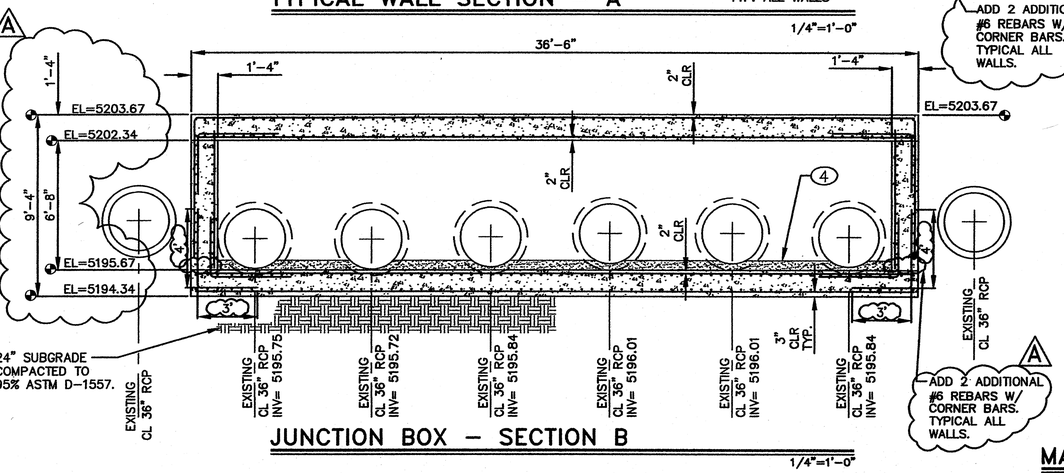


JUNCTION BOX – TOP PLAN VIEW



TYPICAL WALL SECTION – A

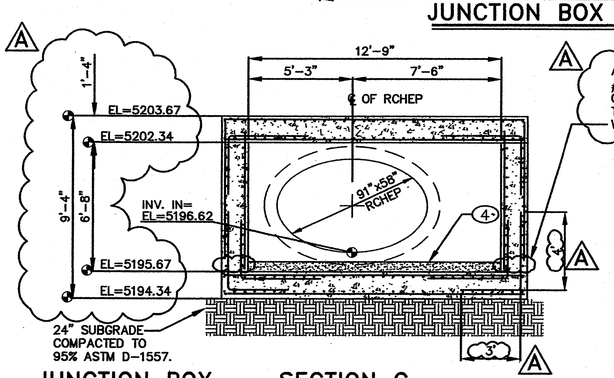
1/4"=1'-0"



JUNCTION BOX – SECTION B

1/4"=1'-0"

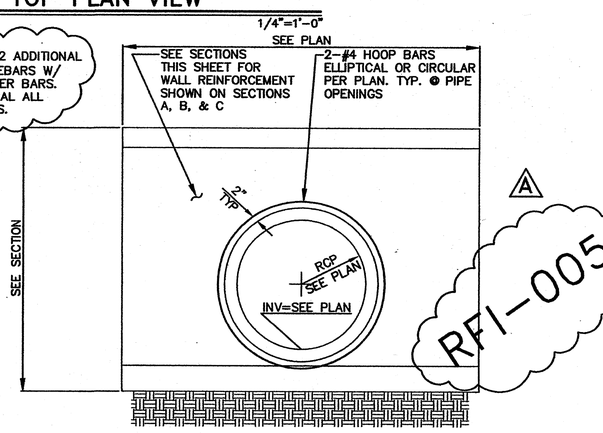
ADD 2 ADDITIONAL #6 REBARS W/ CORNER BARS. TYPICAL ALL WALLS.



JUNCTION BOX – SECTION C

1/4"=1'-0"

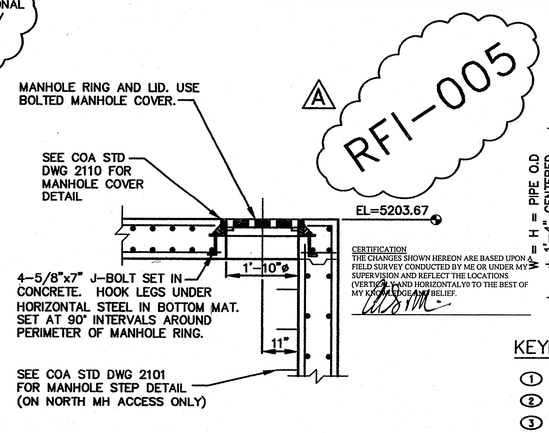
ADD 2 ADDITIONAL #6 REBARS W/ CORNER BARS. TYPICAL ALL WALLS.



JUNCTION BOX – TYP. ADDED REINFORCEMENT AT PIPE PENETRATION

N.T.S.

RFI-005

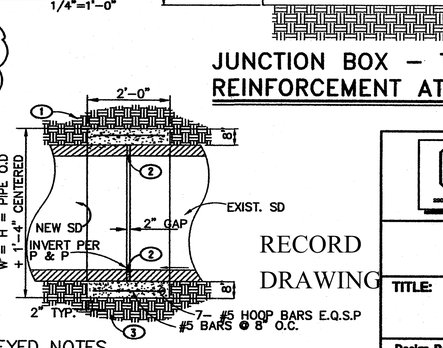


MANHOLE LID TO JUNCTION BOX DETAIL

N.T.S.

CERTIFICATION
THE CHANGES SHOWN HEREON ARE BASED UPON A FIELD SURVEY CONDUCTED BY ME OR UNDER MY SUPERVISION AND REFLECT THE LOCATIONS (VERTICAL AND HORIZONTAL) TO THE BEST OF MY KNOWLEDGE AND BELIEF.

RECORD DRAWING



KEYED NOTES

1. BACKFILL AT 90% ASTM D-1557.
2. FILL GAP WITH 4000 PSI NON-SHRINK GROUT.
3. 12" SUBGRADE COMPACTED TO 95% ASTM D-1557.

RPCC COLLAR

N.T.S.

AS BUILT INFORMATION

CONTRACTOR

WORK INSPECTED BY: Sylvia Lopez DATE: 11-2012

INSPECTORS ACCEPTANCE BY: JEC DATE: 12-2012

VERIFICATION BY: Sylvia Lopez DATE: 11-2012

DRAWINGS CORRECTED BY: DATE

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

ELEVATION=5222.09 (NAVD 1988)

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
11599	STEPHEN TOLER	5/2008
	SURVEYING CONTROL, INC.	

BENCH MARKS

STATION STAMPED (10-C18 1985)

CITY OF ALBUQUERQUE SURVEY 3 1/4"

ALUMINUM DISK RIVETED TO PIPE LOCATED BETWEEN ALAMEDA PL. & EAGLE ROCK RD. ON SAN PEDRO BLVD. EAST SIDE OF ROAD

X=1,524,123.885 Y=1,542,565.263

G-O=0.999865042

△ X=0° 11' 19.43"

ENGINEERS SEAL

NEW MEXICO PATRICK J. CONLEY 14841 LICENSED PROFESSIONAL ENGINEER

10/4/10

NO.	DATE	REMARKS	BY
A	OCT/10	RFI 0051	
		REVISIONS	
		DESIGN	
		DESIGNED BY	PJC
		DRAWN BY	SEC
		CHECKED BY	PJC
		DATE	03/10
		DATE	03/10
		DATE	03/10

108108

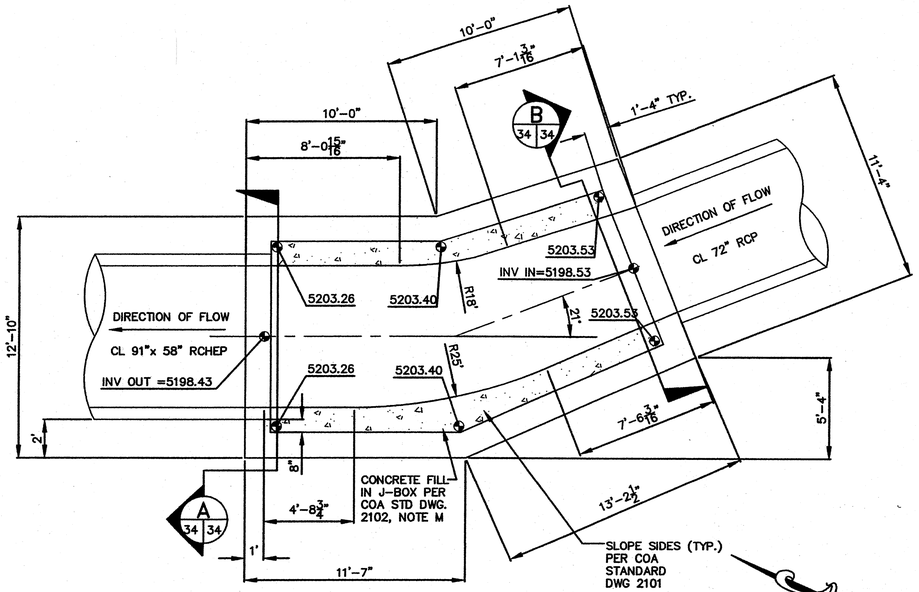
Smith Engineering Company
A Full Service Engineering Company
5971 San Pedro Boulevard, N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

TITLE:
SAN PEDRO STORM DRAIN
JUNCTION BOX #1 - DETAIL SHEET

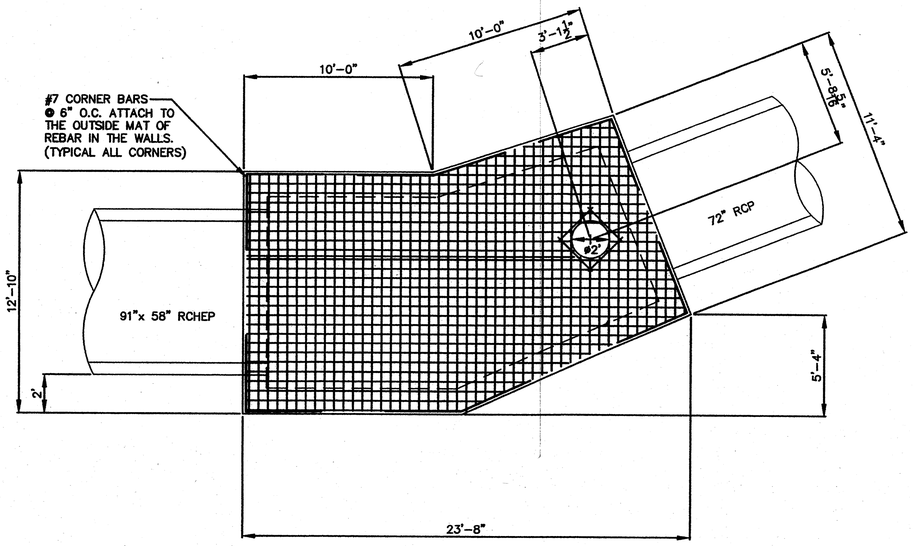
Design Review Committee	City Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.

City Project No.	Zone Map No.	Sheet	Of
5304.91	C-18-Z	33	44



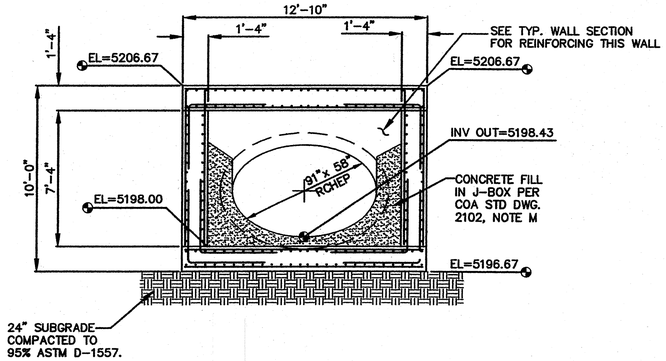
JUNCTION BOX – BOTTOM PLAN VIEW

1/4"=1'-0"



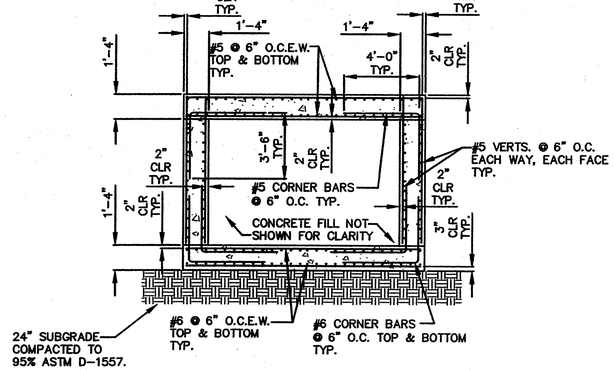
JUNCTION BOX – TOP PLAN VIEW

1/4"=1'-0"



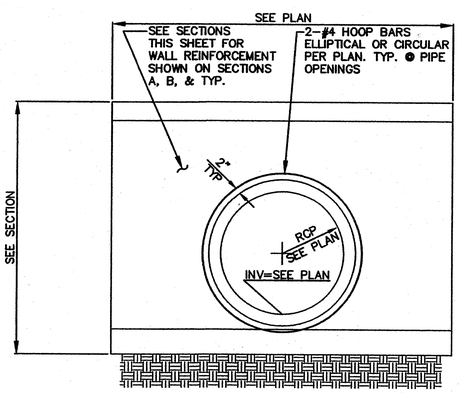
JUNCTION BOX – SECTION A

1/4"=1'-0"



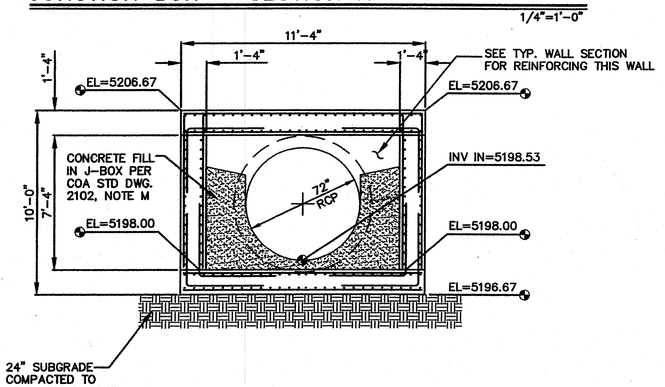
TYPICAL WALL SECTION

1/4"=1'-0"



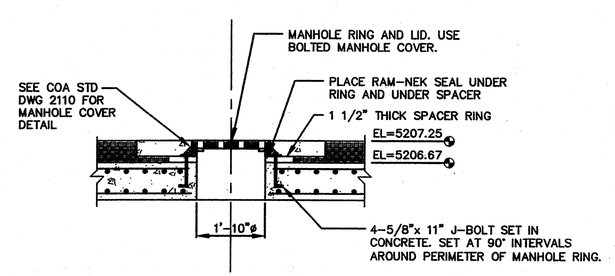
JUNCTION BOX – TYP. ADDED REINFORCEMENT AT PIPE PENETRATION

N.T.S.



JUNCTION BOX – SECTION B

1/4"=1'-0"



MANHOLE LID TO JUNCTION BOX DETAIL

N.T.S.

RECORD DRAWING

SURVEY INFORMATION			BENCH MARKS	AS BUILT INFORMATION
FIELD NOTES			STATION STAMPED (10-C18 1985)	CONTRACTOR
NO.	BY	DATE	CITY OF ALBUQUERQUE SURVEY 3 1/4"	WORK STAKED BY DATE
11599	STEPHEN TOLER	5/2008	ALUMINUM DISK RIVETED TO PIPE LOCATED	ASBUILT DOCS BY DATE
	SURVEYING CONTROL,		BETWEEN ALAMEDA PL. & EAGLE ROCK RD.	ACCEPTANCE BY DATE
	INC.		ON SAN PEDRO BLVD. EAST SIDE OF ROAD	FIELD VERIFICATION BY DATE
			X=1,524,123.885 Y=1,542,565.263	DRAWINGS CORRECTED BY DATE
			G-C=0.999665042	MICRO-FILM INFORMATION
			△ X=0° 11' 19.43"	RECORDED BY DATE
			ELEVATION=5222.09 (NAVD 1988)	NO.

ENGINEERS SEAL

NEW MEXICO PATRICK J. CONLEY PROFESSIONAL ENGINEER LICENSED 14014

NO.	DATE	BY
	REMARKS	
	REVISIONS	
	DESIGN	
	DESIGNED BY PJC	DATE 03/10
	DRAWN BY SEC	DATE 03/10
	CHECKED BY PJC	DATE 03/10

Smith Engineering Company
A Full Service Engineering Company
2201 San Pedro Boulevard N.E. Bldg #4, Suite 200 Albuquerque, New Mexico 87110
108108

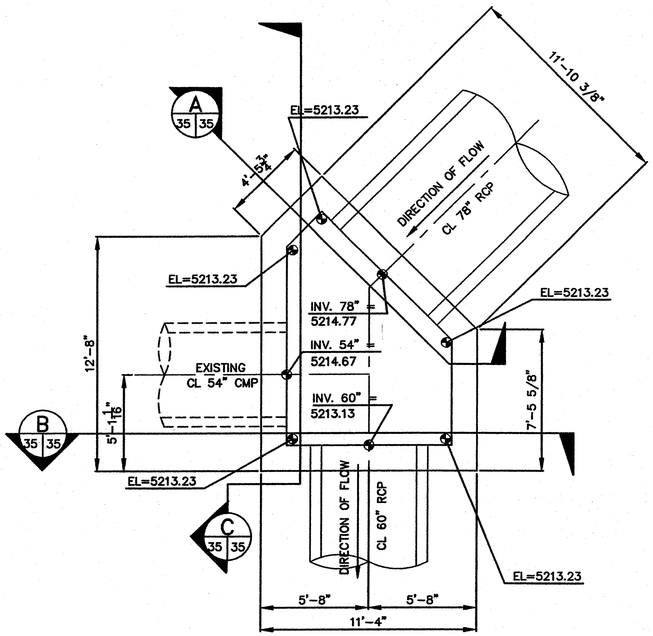
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

TITLE:
SAN PEDRO STORM DRAIN
JUNCTION BOX #2 - DETAIL SHEET

Design Review Committee	City Engineer Approval	Last Design Update	No. / Dwg / Yr.	No. / Dwg / Yr.
APPROVED MAR 1 1 2010 DESIGN REVIEW COMMITTEE	APPROVED MAR 1 1 2010 CITY ENGINEER			

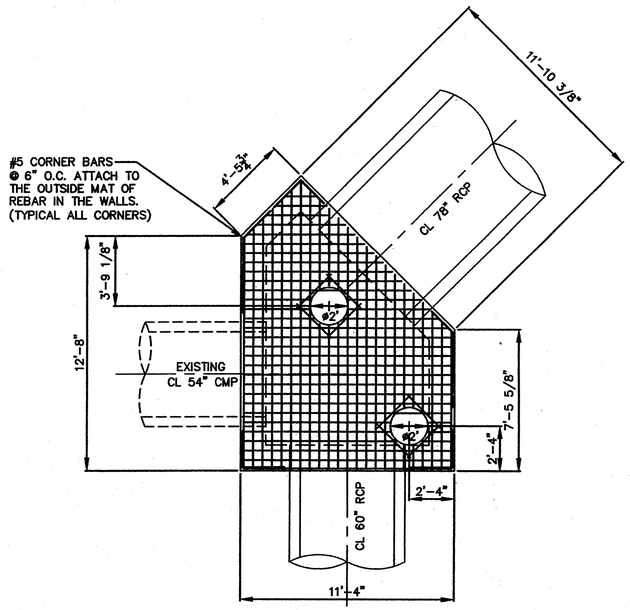
City Project No.	Zone Map No.	Sheet	Of
5304.91	C-18-Z	34	44

Q:/SEC-PROJECTS/2008 PROJECTS/108108 SAN PEDRO STORM DRAIN/CADD/34-SKETCH 21A-032207(2modified).DWG



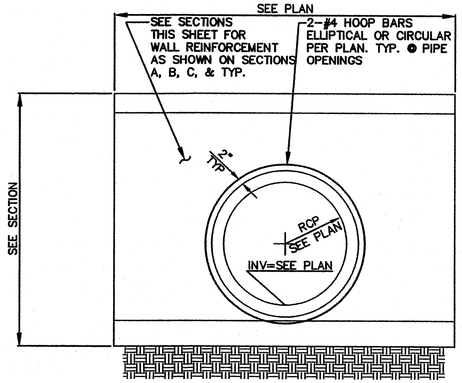
JUNCTION BOX – BOTTOM PLAN VIEW

1/4"=1'-0"



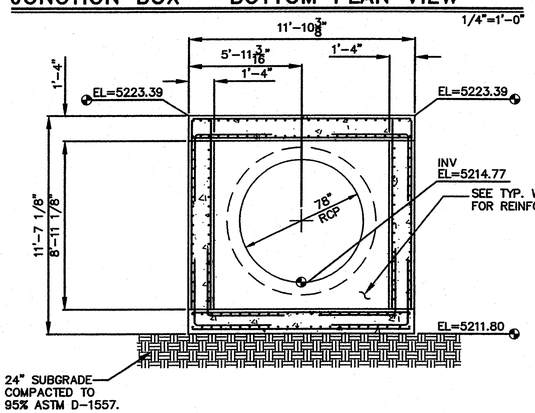
JUNCTION BOX – TOP PLAN VIEW

1/4"=1'-0"



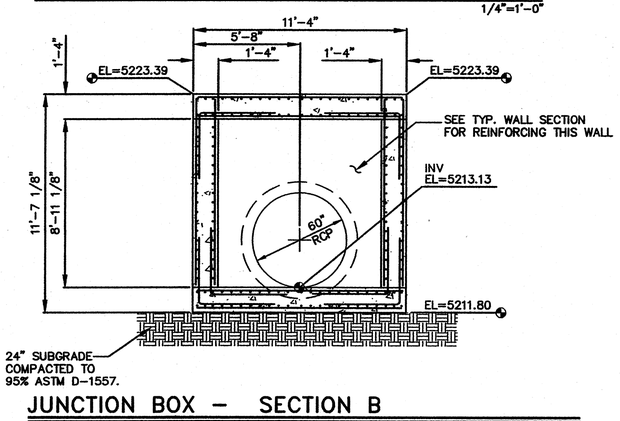
JUNCTION BOX – TYP. ADDED REINFORCEMENT AT PIPE PENETRATION

N.T.S.



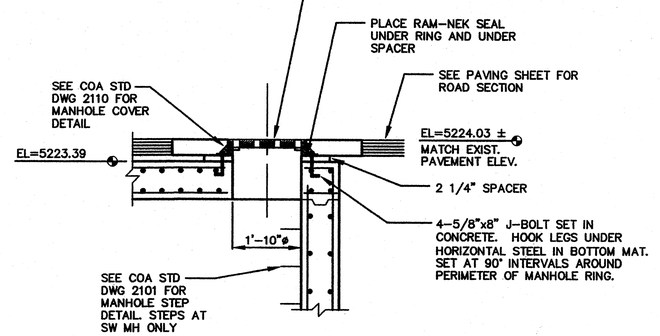
JUNCTION BOX – SECTION A

1/4"=1'-0"



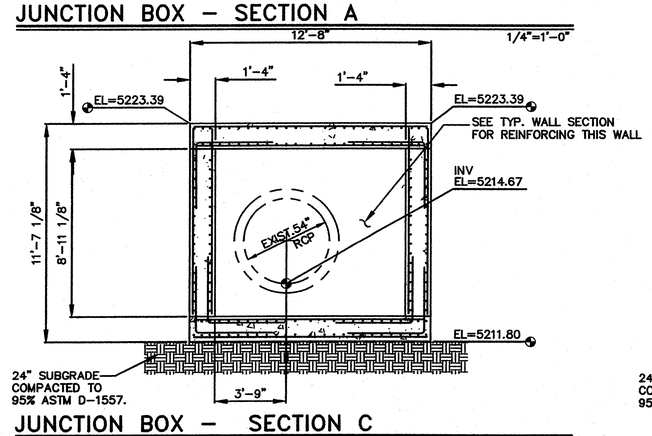
JUNCTION BOX – SECTION B

1/4"=1'-0"



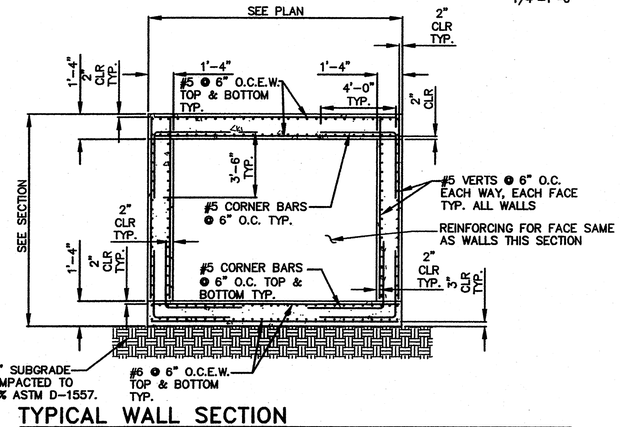
MANHOLE LID TO JUNCTION BOX DETAIL

N.T.S.



JUNCTION BOX – SECTION C

1/4"=1'-0"



TYPICAL WALL SECTION

1/4"=1'-0"

RECORD DRAWING

SURVEY INFORMATION FIELD NOTES		
NO.	BY	DATE
11589	STEPHEN TOLER	5/2008
	SURVEYING CONTROL,	
	INC.	

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD.
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999665042
Δ X=0° 11' 18.43"
ELEVATION=5222.09 (NAVD 1988)

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY Sandia Land Surveying DATE 11-2012
INSPECTION BY JEC DATE 12-2012
FIELD VERIFICATION BY Sandia Land Surveying DATE 1-2013
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

ENGINEERS' SEAL
NEW MEXICO PATRICK J. CONLEY LICENSED PROFESSIONAL ENGINEER 14841 3/4/2010

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY PJC	03/10
		DRAWN BY SEC	03/10
		CHECKED BY PJC	03/10

108108
Smith Engineering Company
A Full Service Engineering Company
2504 San Pedro Boulevard, N.E., Bldg. #1, Suite 200 Albuquerque, New Mexico 87110

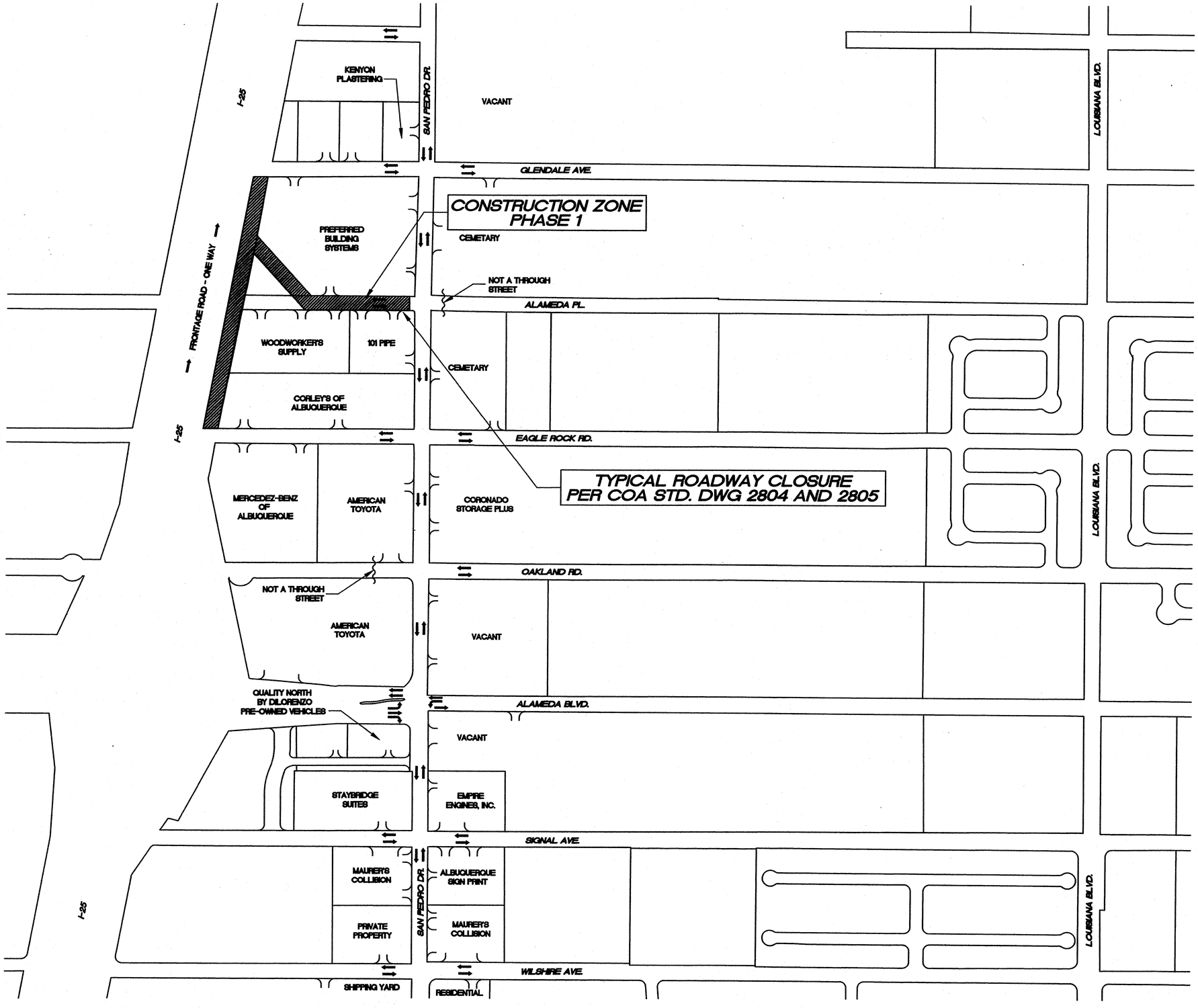
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

TITLE:
SAN PEDRO STORM DRAIN
JUNCTION BOX #3 - DETAIL SHEET

Design Review Committee	City Engineer Approval	Last Design Update	No. / Dwg / Yr.	No. / Dwg / Yr.
APPROVED MAR 11 2010 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2010 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
5304.91	C-18-Z	35	44

Q:/SEC-PROJECTS/2008 PROJECTS/108108 SAN PEDRO STORM DRAIN/CADD/35-SKETCH 21A-032207(3).DWG



SUGGESTED TRAFFIC CONTROL GENERAL NOTES:

1. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DETAILED TRAFFIC CONTROL PLAN (INCORPORATING THE TRAFFIC CONTROL CRITERIA LISTED BELOW) TO THE COA CONSTRUCTION COORDINATION DIVISION (924-3400). THE CONTRACTOR MUST OBTAIN APPROVAL OF THE SUBMITTED TRAFFIC CONTROL PLAN FROM THE COA CONSTRUCTION COORDINATION DIVISION PRIOR TO THE START OF CONSTRUCTION.
2. THE SUGGESTED TRAFFIC CONTROL PLAN SHOWN ON SHEETS 38 THRU 45 ASSUMES THE PROJECT WILL BE CONSTRUCTED IN PHASES.
3. IF APPLICABLE, CONTRACTOR SHALL MAINTAIN OR DETOUR ALL BIKE TRAILS/PATHS DURING ALL PHASES OF CONSTRUCTION.
4. ALL TRAFFIC CONTROL LANE CLOSURES SHALL ABIDE BY SECTION 2800 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS (LATEST UPDATE).

SUGGESTED TRAFFIC CONTROL CRITERIA:

1. AT LEAST ONE ACCESS POINT (IN AND OUT) TO THE LOCAL BUISNESS MUST BE MAINTAINED AT ALL TIMES.
2. FOUR VARIABLE MESSAGE BOARDS WILL BE REQUIRED THROUGHOUT CONSTRUCTION. MAKING THE PUBLIC AWARE OF CURRENT AND FUTURE ROAD CLOSURES.
3. ACCESS SIGNS FOR ALL BUSINESS AND SCHOOL LOCATIONS WILL BE REQUIRED THROUGHOUT CONSTRUCTION.
4. ALL DRIVING LANES UTILIZED AS PART OF THE TRAFFIC CONTROL PLAN MUST HAVE A MINIMUM WIDTH OF 12 FEET. TEMPORARY PAVEMENT MAY HAVE TO BE INSTALLED TO MAINTAIN THIS MINIMUM WIDTH.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACEMENT AND REMOVAL OF ALL TEMPORARY STRIPING ASSOCIATED WITH SUBMITTED TRAFFIC CONTROL PLAN.

RECORD DRAWING

SCALE 1"=200'

ENGINEERS SEAL

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE
11599	STEPHEN TOLER	5/2008
	SURVEYING CONTROL,	
	INC.	

BENCH MARKS

STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD.
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-O=0.999665042
Δ X=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

AS BUILT INFORMATION

CONTRACTOR
WORK STARTED BY: DATE/1-2a12
INSPECTOR'S ACCEPTANCE BY: DATE/2-29a
FIELD VERIFICATION BY: DATE/1-2a12
CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY PJC	DATE 03/10
		DRAWN BY SEC	DATE 03/10
		CHECKED BY PJC	DATE 03/10

108108
Smith Engineering Company
A Full Service Engineering Company
2301 San Pedro Boulevard, N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

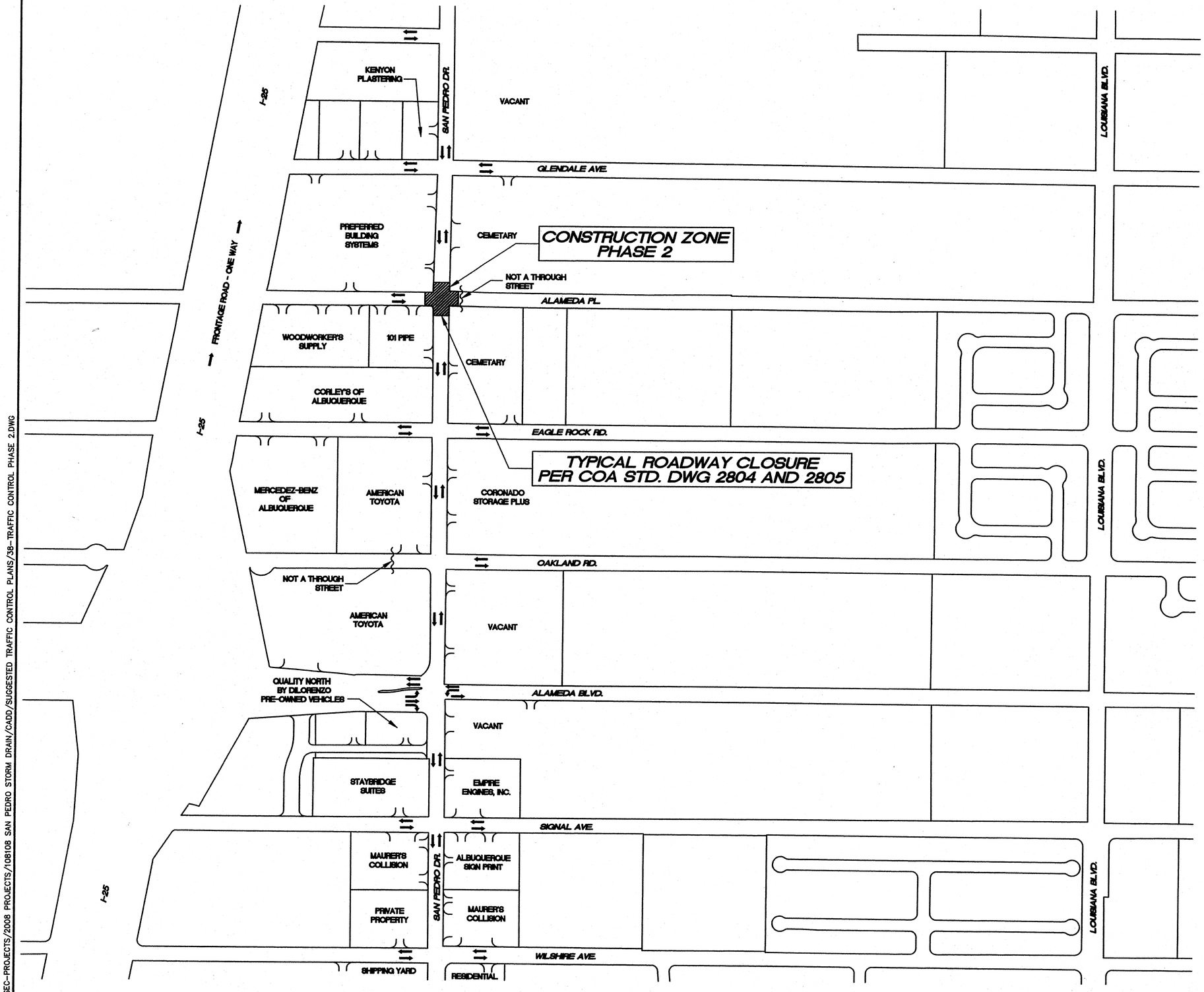
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

TITLE:
SAN PEDRO STORM DRAIN
SUGGESTED TRAFFIC CONTROL PLAN - PHASE 1

Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.
FOR INFORMATION ONLY				

City Project No.	Zone Map No.	Sheet	Of
5304.91	C-18-Z	37	44

Q:/SEC-PROJECTS/2008 PROJECTS/108108 SAN PEDRO STORM DRAIN/CADD/SUGGESTED TRAFFIC CONTROL PLANS/37-TRAFFIC CONTROL PHASE 1.DWG



SUGGESTED TRAFFIC CONTROL GENERAL NOTES:

1. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DETAILED TRAFFIC CONTROL PLAN (INCORPORATING THE TRAFFIC CONTROL CRITERIA LISTED BELOW) TO THE COA CONSTRUCTION COORDINATION DIVISION (924-3400). THE CONTRACTOR MUST OBTAIN APPROVAL OF THE SUBMITTED TRAFFIC CONTROL PLAN FROM THE COA CONSTRUCTION COORDINATION DIVISION PRIOR TO THE START OF CONSTRUCTION.
2. THE SUGGESTED TRAFFIC CONTROL PLAN SHOWN ON SHEETS 38 THRU 45 ASSUMES THE PROJECT WILL BE CONSTRUCTED IN PHASES.
3. IF APPLICABLE, CONTRACTOR SHALL MAINTAIN OR DETOUR ALL BIKE TRAILS/PATHS DURING ALL PHASES OF CONSTRUCTION.
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3. ACCESS SIGNS FOR ALL BUSINESS AND SCHOOL LOCATIONS WILL BE REQUIRED THROUGHOUT CONSTRUCTION.
4. ALL DRIVING LANES UTILIZED AS PART OF THE TRAFFIC CONTROL PLAN MUST HAVE A MINIMUM WIDTH OF 12 FEET. TEMPORARY PAVEMENT MAY HAVE TO BE INSTALLED TO MAINTAIN THIS MINIMUM WIDTH.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACEMENT AND REMOVAL OF ALL TEMPORARY STRIPING ASSOCIATED WITH SUBMITTED TRAFFIC CONTROL PLAN.

RECORD DRAWING

SCALE
1"=200'

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: S-3-BJA L-3-JP G- DATE 11-2-12
WORK ACCEPTANCE BY: TEC DATE 12-3-12
FIELD VERIFICATION BY: S-3-BJA L-3-JP S-4-SEC DATE 11-2-12
DRAWINGS CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED BETWEEN ALAMEDA PL. & EAGLE ROCK RD. ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999665042
Δ X=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11569	STEPHEN TOLER SURVEYING CONTROL, INC.	5/2008

ENGINEERS SEAL

NO.	DATE	REMARKS	BY
REVISIONS		DESIGN	DESIGNED BY PJC DATE 03/10
			DRAWN BY SEC DATE 03/10
			CHECKED BY PJC DATE 03/10

108108
Smith Engineering Company
A Full Service Engineering Company
2201 San Pedro Boulevard, N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

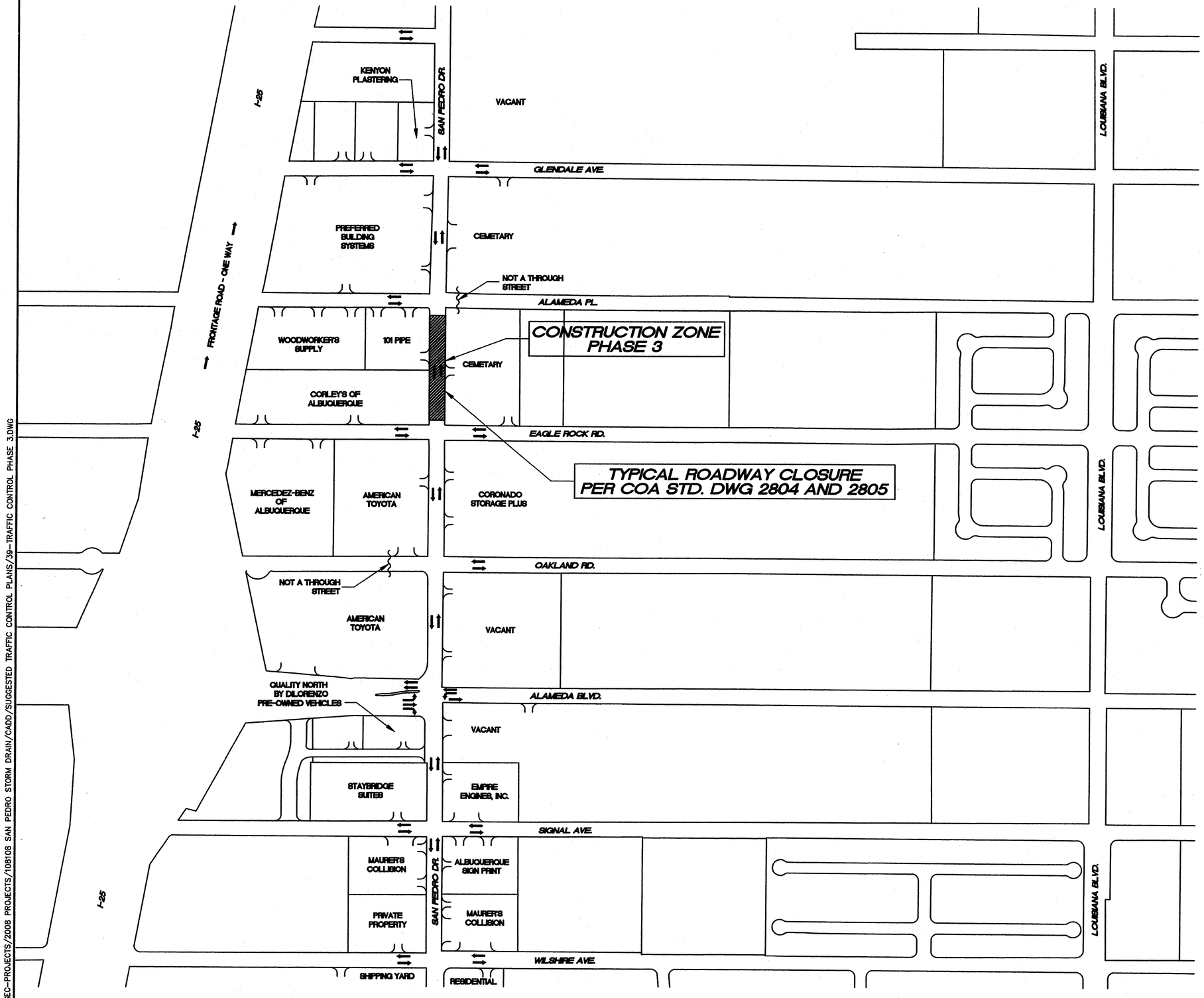
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

TITLE:
SAN PEDRO STORM DRAIN
SUGGESTED TRAFFIC CONTROL PLAN - PHASE 2

Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.
FOR INFORMATION ONLY				

City Project No.	Zone Map No.	Sheet	Of
5304.91	C-18-Z	38	44

Q:/SEC-PROJECTS/2008 PROJECTS/108108 SAN PEDRO STORM DRAIN/CADD/SUGGESTED TRAFFIC CONTROL PLANS/38-TRAFFIC CONTROL PHASE 2.DWG



SUGGESTED TRAFFIC CONTROL GENERAL NOTES:

1. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DETAILED TRAFFIC CONTROL PLAN (INCORPORATING THE TRAFFIC CONTROL CRITERIA LISTED BELOW) TO THE COA CONSTRUCTION COORDINATION DIVISION (924-3400). THE CONTRACTOR MUST OBTAIN APPROVAL OF THE SUBMITTED TRAFFIC CONTROL PLAN FROM THE COA CONSTRUCTION COORDINATION DIVISION PRIOR TO THE START OF CONSTRUCTION.
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5. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACEMENT AND REMOVAL OF ALL TEMPORARY STRIPING ASSOCIATED WITH SUBMITTED TRAFFIC CONTROL PLAN.

RECORD DRAWING

SCALE
1"=200'

SURVEY INFORMATION
FIELD NOTES BY: STEPHEN TOLER DATE: 5/2008
SURVEYING CONTROL, INC.

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED BETWEEN ALAMEDA PL. & EAGLE ROCK RD. ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999665042
Δ X=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: DATE:
INSPECTORS ACCEPTANCE BY: DATE:
VERIFICATION BY: DATE:
DRAWINGS CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

ENGINEERS SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	

DESIGNED BY PJC DATE 03/10
DRAWN BY SEC DATE 03/10
CHECKED BY PJC DATE 03/10

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2201 San Pedro Boulevard. N.E., Bldg. #4, Suite 200 Albuquerque, New Mexico 87110

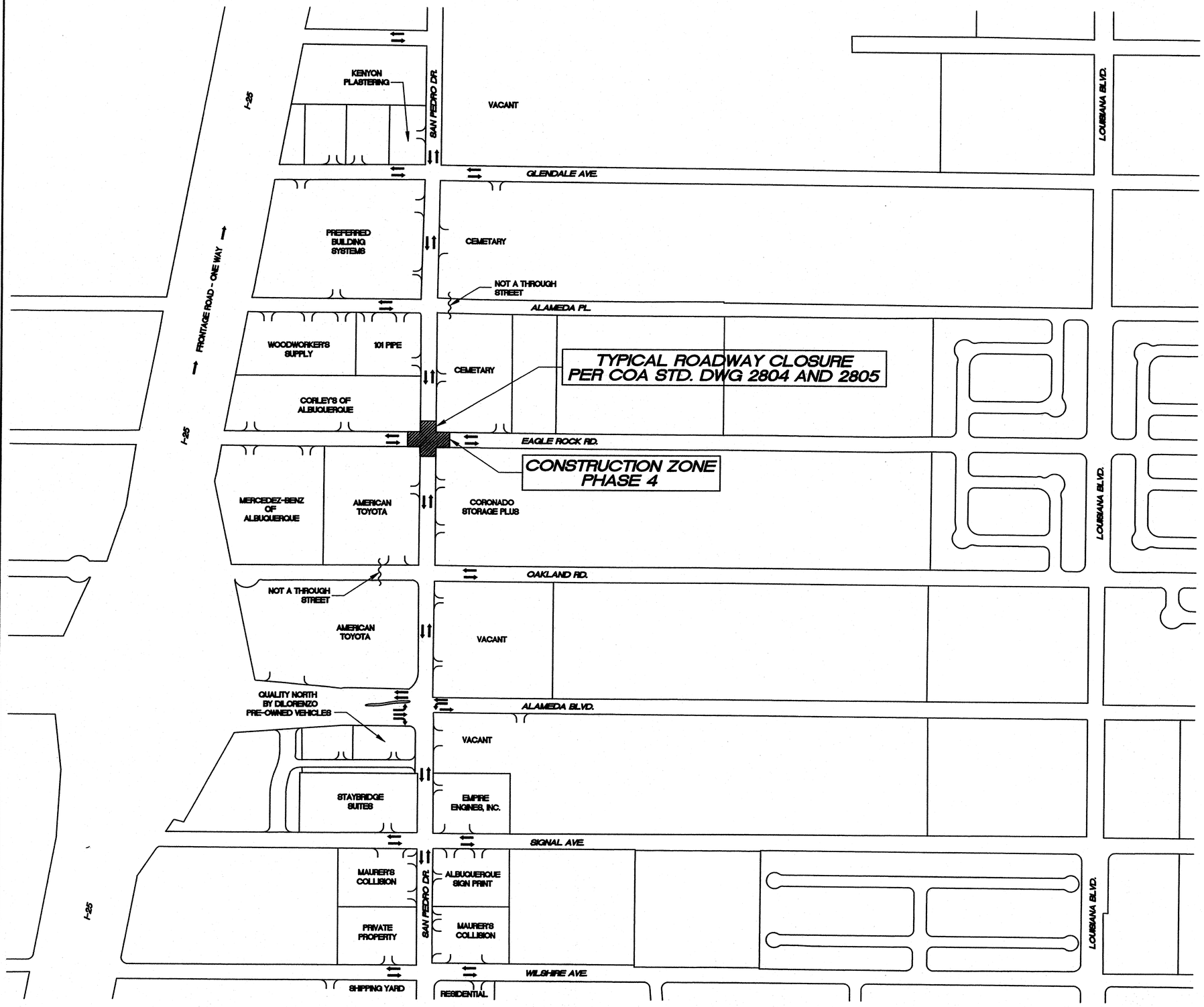
CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

TITLE:
SAN PEDRO STORM DRAIN
SUGGESTED TRAFFIC CONTROL PLAN - PHASE 3

Design Review Committee	City Engineer Approval	Last Design Update	No. / Day / Yr.	No. / Day / Yr.
FOR INFORMATION ONLY				

City Project No. 5304.91 | Zone Map No. C-18-Z | Sheet 39 Of 44

Q:/SEC-PROJECTS/2008 PROJECTS/108108 SAN PEDRO STORM DRAIN/CADD/SUGGESTED TRAFFIC CONTROL PLANS/39-TRAFFIC CONTROL PHASE 3.DWG



SUGGESTED TRAFFIC CONTROL GENERAL NOTES:

1. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A DETAILED TRAFFIC CONTROL PLAN (INCORPORATING THE TRAFFIC CONTROL CRITERIA LISTED BELOW) TO THE COA CONSTRUCTION COORDINATION DIVISION (924-3400). THE CONTRACTOR MUST OBTAIN APPROVAL OF THE SUBMITTED TRAFFIC CONTROL PLAN FROM THE COA CONSTRUCTION COORDINATION DIVISION PRIOR TO THE START OF CONSTRUCTION.
2. THE SUGGESTED TRAFFIC CONTROL PLAN SHOWN ON SHEETS 38 THRU 45 ASSUMES THE PROJECT WILL BE CONSTRUCTED IN PHASES.
3. IF APPLICABLE, CONTRACTOR SHALL MAINTAIN OR DETOUR ALL BIKE TRAILS/PATHS DURING ALL PHASES OF CONSTRUCTION.
4. ALL TRAFFIC CONTROL LANE CLOSURES SHALL ABIDE BY SECTION 2800 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS (LATEST UPDATE).

SUGGESTED TRAFFIC CONTROL CRITERIA:

1. AT LEAST ONE ACCESS POINT (IN AND OUT) TO THE LOCAL BUISNESS MUST BE MAINTAINED AT ALL TIMES.
2. FOUR VARIABLE MESSAGE BOARDS WILL BE REQUIRED THROUGHOUT CONSTRUCTION. MAKING THE PUBLIC AWARE OF CURRENT AND FUTURE ROAD CLOSURES.
3. ACCESS SIGNS FOR ALL BUSINESS AND SCHOOL LOCATIONS WILL BE REQUIRED THROUGHOUT CONSTRUCTION.
4. ALL DRIVING LANES UTILIZED AS PART OF THE TRAFFIC CONTROL PLAN MUST HAVE A MINIMUM WIDTH OF 12 FEET. TEMPORARY PAVEMENT MAY HAVE TO BE INSTALLED TO MAINTAIN THIS MINIMUM WIDTH.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACEMENT AND REMOVAL OF ALL TEMPORARY STRIPING ASSOCIATED WITH SUBMITTED TRAFFIC CONTROL PLAN.

RECORD DRAWING

SCALE
1"=200'

SURVEY INFORMATION
FIELD NOTES BY: STEPHEN TOLER SURVEYING CONTROL, INC.
DATE: 5/2008
NO.: 11599

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
BETWEEN ALAMEDA PL. & EAGLE ROCK RD.
ON SAN PEDRO BLVD. EAST SIDE OF ROAD
X=1,524,123.885 Y=1,542,565.263
G-C=0.999665042
Δ X=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

AS BUILT INFORMATION
CONTRACTOR
WORK STARTED BY: DATE:
INSPECTOR'S ACCEPTANCE BY: DATE:
AS BUILT VERIFICATION BY: DATE:
DRAWING CORRECTED BY: DATE
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.

ENGINEER'S SEAL

NO.	DATE	REVISIONS	BY
		DESIGN	
		DESIGNED BY PJC	DATE 03/10
		DRAWN BY SEC	DATE 03/10
		CHECKED BY PJC	DATE 03/10

108108
Smith Engineering Company
A Full Service Engineering Company
2201 San Pedro Boulevard, N.E., Bldg. #1, Suite 200 Albuquerque, New Mexico 87110

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

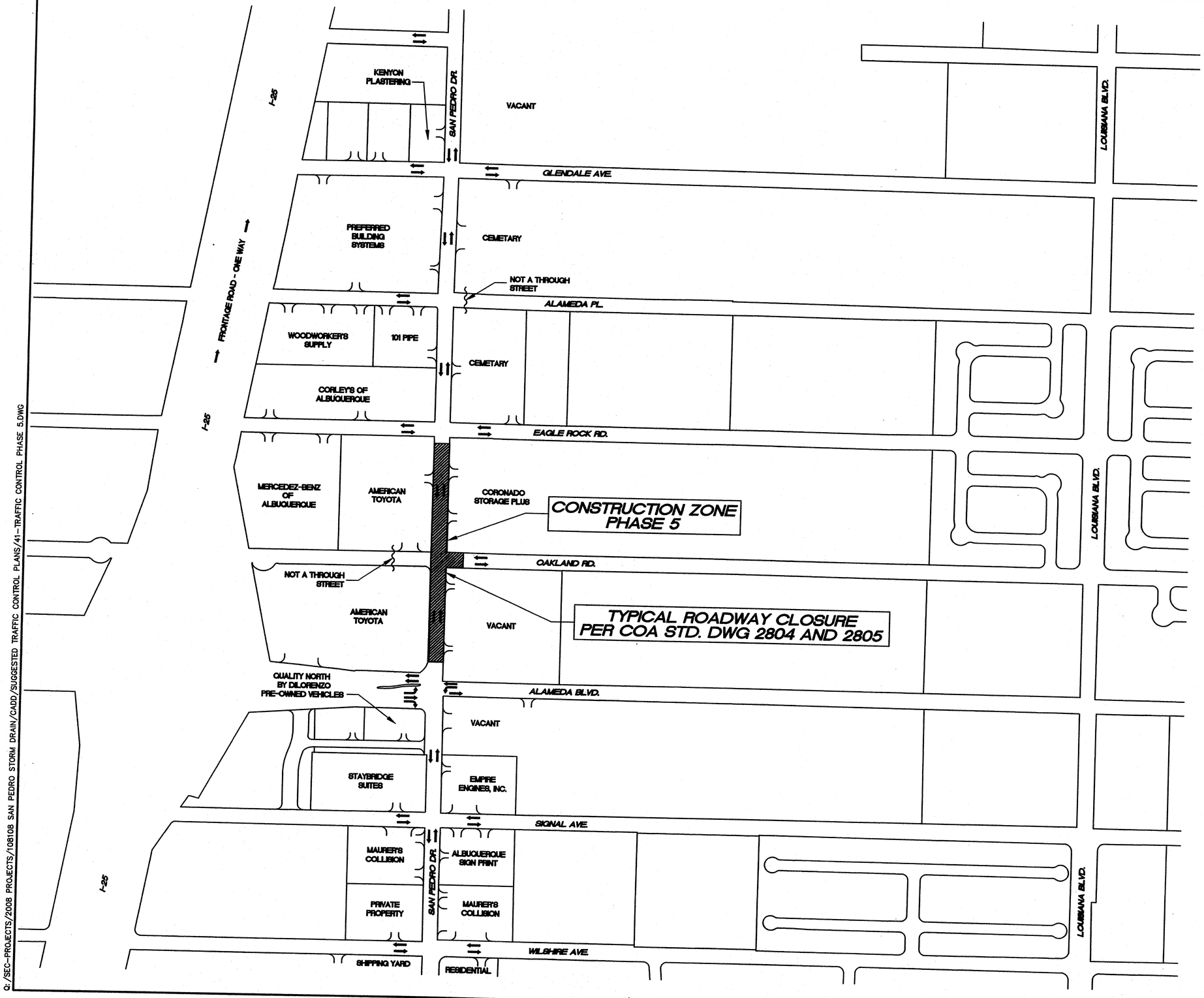
TITLE:
SAN PEDRO STORM DRAIN
SUGGESTED TRAFFIC CONTROL PLAN - PHASE 4

Design Review Committee | City Engineer Approval | Last Design Update | No. / Day / Yr. | No. / Day / Yr.

FOR INFORMATION ONLY

City Project No.	Zone Map No.	Sheet	Of
5304.91	C-18-Z	40	44

Q:/SEC-PROJECTS/2008 PROJECTS/108108 SAN PEDRO STORM DRAIN/CADD/SUGGESTED TRAFFIC CONTROL PLANS/40-TRAFFIC CONTROL PHASE 4.DWG



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5. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACEMENT AND REMOVAL OF ALL TEMPORARY STRIPING ASSOCIATED WITH SUBMITTED TRAFFIC CONTROL PLAN.

RECORD DRAWING

SCALE
1"=200'

AS BUILT INFORMATION
CONTRACTOR
WORK STAKED BY: DATE:
INSPECTOR'S ACCEPTANCE BY: DATE:
VERIFICATION BY: DATE:
DRAWINGS CORRECTED BY: DATE

BENCH MARKS
STATION STAMPED (10-C18 1985)
CITY OF ALBUQUERQUE SURVEY 3 1/4"
ALUMINUM DISK RIVETED TO PIPE LOCATED
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△ X=0° 11' 19.43"
ELEVATION=5222.09 (NAVD 1988)

MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE
11599	STEPHEN TOLER SURVEYING CONTROL, INC.	5/2008

ENGINEERS SEAL

NO.	DATE	REMARKS	DESIGNED BY	DRAWN BY	CHECKED BY
		REVISIONS			
		DESIGN	PJC	SEC	PJC
		DATE	03/10	03/10	03/10

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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
STORM DRAIN DESIGN DIVISION

TITLE:
SAN PEDRO STORM DRAIN
SUGGESTED TRAFFIC CONTROL PLAN - PHASE 5

Design Review Committee | City Engineer Approval
FOR INFORMATION ONLY
Last Design Update | No. / Day / Yr. | No. / Day / Yr.

City Project No. 5204.21 | Zone Map No. | Sheet 41 Of 44

Q:/SEC-PROJECTS/2008 PROJECTS/108108 SAN PEDRO STORM DRAIN/CADD/SUGGESTED TRAFFIC CONTROL PLANS/41-TRAFFIC CONTROL PHASE 5.DWG