

CITY OF ALBUQUERQUE  
DEPARTMENT OF MUNICIPAL DEVELOPMENT



CONSTRUCTION PLANS  
FOR



10TH AND EL BORDO  
SIPHON RECONSTRUCTION  
AND 96" PIPE REPAIRS  
INDEX

DESCRIPTION

SHEET NO.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE OF PLANS

I, Christopher A. Perea of the firm Wilson & Company, a Registered Professional Engineer in the State of New Mexico, NMPE Number 13686, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction and survey information provided by Christopher Medina NMPS Number 15702.



COVER SHEET	1
GENERAL NOTES	2
DEMOLITION PLAN	3
PAVING PLAN	4
SIPHON PLAN & PROFILE	5
96" STORM DRAIN PLAN & PROFILE	6
96" SD PIPE REPAIR/SITE MAP	7
JUNCTION BOX DETAILS	8
COLLAR DETAILS	9

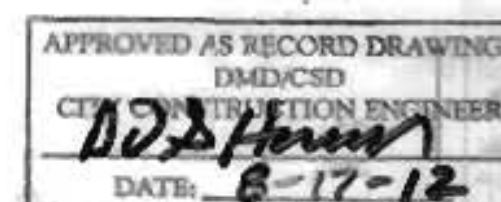
City Inspector: Lemuel Baca  
City Project Manager: John Curtin  
Contractor: Star Paving  
Surveyor: Terra Land Survey  
City Urban Program Supervisor: Adam Bergstrasser  
Letter of Acceptance Date: April 10, 2012  
City Construction Engineer: David Harrison

APPROVED FOR RECORD DRAWINGS

*Christopher A. Perea* 8-1-12  
WATER AUTHORITY ENGINEER DATE

APPROVED FOR RECORD DRAWINGS

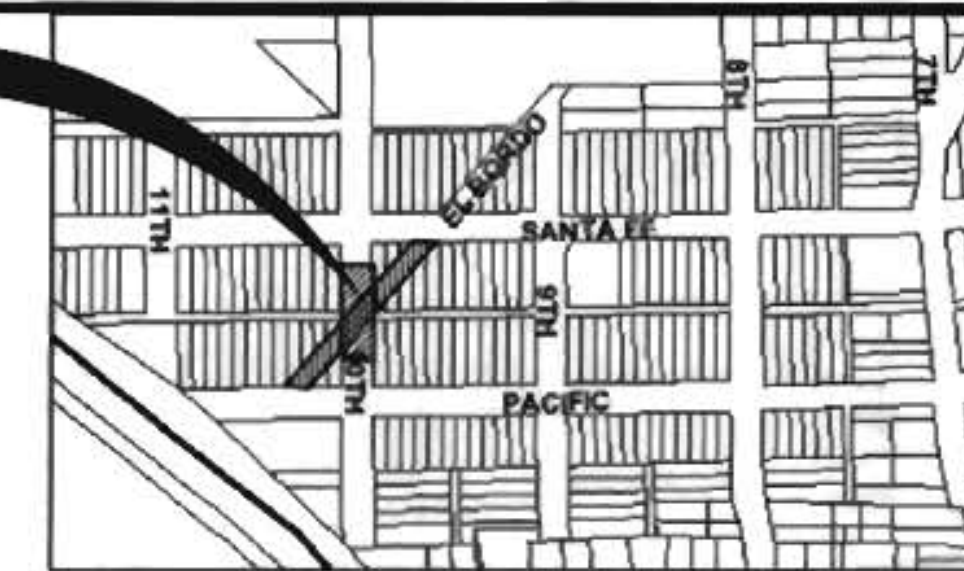
*John Curtin* 8-16-12  
CITY PROJECT MANAGER DATE



RECORD DRAWING  
DATE 7/13/2012

**WILSON & COMPANY**  
4900 LANG AVE N.E.  
SUITE 100  
ALBUQUERQUE, NEW MEXICO 87109  
(505) 348-4000  
FAX (505) 348-4072  
www.wilsonco.com

SITE LOCATION



VICINITY MAP  
ZONE ATLAS MAP NO. K-13

NOTES

ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, AS AMENDED THROUGH UPDATE 7 INCLUDING AMENDMENT 1.

TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.

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

CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS UPDATE NO 7.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT <http://abcwua.org/content/view/full/729/>.

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

ELECTRONIC MARKER SPHERES (EMS) WILL BE REQUIRED AT ALL SANITARY SEWER MANHOLES AND WATER VALVE CANS AND FITTINGS NEW OR ADJUSTED TO GRADE THROUGHOUT THE PROJECT. EMS'S SHALL BE CONSIDERED INCIDENTAL TO THE ITEM OR ADJUSTMENT.

PRIVATE STREETS REQUIRE STREET NAME SIGNS, STOP SIGNS, AND ANY NECESSARY STRIPING (DEVELOPER'S RESPONSIBILITY)

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

PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. THE ROAD SHALL NOT BE OPENED TO THE 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.

ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.

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

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY.

ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR(24) HOUR CONSTRUCTION.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED:

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☒ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURERS RECOMMENDATIONS. MANUFACTURERS 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.

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DIRC Chairman		<i>David Harrison</i>		5-26-11	
		Transportation		<i>John Curtin</i>		5-25-11	
		Water/Wastewater		<i>Christopher A. Perea</i>		5-25-11	
		Hydrology		<i>Christopher A. Perea</i>		5-25-11	
Parks							
Constr. Mngmt.							
Constr. Coord.							
City Project No.				7963.92			
Sheet				Of			
1				9			



GENERAL NOTES:

1. THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ADVISE OF AND SCHEDULE ACCESS CLOSURES, AT LEAST 24 HOURS IN ADVANCE, WITH PROPERTY OWNERS AND THE CONSTRUCTION PROJECT MANAGER.
2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE–CALL SYSTEM, (505) 260–1990, FOR LOCATION OF EXISTING UTILITIES.
3. CRITICAL INTERSECTION WORK SHALL NOT START UNTIL THE CONTRACTOR HAS ALL MATERIAL, EQUIPMENT, AND NECESSARY PERSONNEL ON–SITE. TRAFFIC CONTROL DEVICES SHALL NOT BE PLACED PREMATURELY.
4. PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND IS PROHIBITED WITHIN THE CLEAR ZONE DAY OR NIGHT.
5. THE CONTRACTOR SHALL NOTIFY THE ALBUQUERQUE TRAFFIC ENGINEERING DIVISION (857–8680) THREE (3) WORKING DAYS IN ADVANCE OF ANY WORK REQUIRED REGARDING ALL EXISTING REGULATORY SIGNS AND SIGNALS THAT NEED TO BE REMOVED, RELOCATED, OR REINSTALLED.
6. THE CONTRACTOR WILL BE REQUIRED TO CONFINE THEIR WORK WITHIN THE CONSTRUCTION LIMITS AND/OR RIGHT OF WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS OR DESIGNATED TRAFFIC LANES.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT BUILDING STRUCTURES ADJACENT TO THE PROJECT NOT BE DAMAGED DUE TO ANY CONSTRUCTION ACTIVITIES. DAMAGE CAUSED TO ANY BUILDING STRUCTURE WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING ALL COSTS INCURRED IN RESTORING/REPAIRING SAID DAMAGE.
8. VIBRATION MONITORING AND VIDEO TAPING SHALL BE PERFORMED IN AND AROUND ALL STRUCTURES AS DEFINED IN THIS GENERAL NOTE AND AS DIRECTED BY THE PROJECT MANAGER. "STRUCTURES" IS DEFINED AS BRIDGES, CULVERTS, CATCH BASINS, DROP INLETS, RETAINING WALLS, CRIBBING, MANHOLES, ENDWALLS, BUILDINGS, SEWERS, SERVICE PIPES, UNDER DRAINS, FOUNDATION DRAINS, AND OTHER SUCH FEATURES THAT MAY BE ENCOUNTERED IN THE WORK. THE CONSTRUCTION AREA AND AREAS ADJACENT TO THE LIMITS OF CONSTRUCTION SHALL ALSO BE VIDEO TAPED. VIBRATION MONITORING, VIDEO–TAPING, AND RELATED WORK SHALL BE PERFORMED ACCORDING TO THE SPECIFICATIONS INCLUDED IN THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS OF THE CONTRACT BOOK AND PAID FOR AT THE LUMP SUM CONTRACT PRICE FOR ITEM 1600 VIBRATION MONITORING, AND VIDEOTAPING, COMPLETE.
9. THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS–BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN TWO WEEKS, AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE PROJECT MANAGER. THE FINAL AS–BUILT PLANS SHALL BE SUBMITTED TO THE PROJECT MANAGER AND THE CITY.
10. MANHOLE RIM ELEVATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND WILL VARY WITH THE FINISHED PAVEMENT ELEVATIONS.
11. ALL RADII OF CURB RETURNS ARE SHOWN TO THE FACE OF CURB AND, UNLESS OTHERWISE NOTED, ALL OFFSETS AND DIMENSIONS ARE TO THE FACE OF CURB. MATCH FLOWLINES OF GUTTERS WHEN CONNECTING NEW CURB AND GUTTER WITH EXISTING CURB AND GUTTER.
12. EXACT LOCATION OF DRIVEPADS AND WHEELCHAIR RAMPS WILL BE DETERMINED IN THE FIELD BY THE FIELD ENGINEER. LOCATIONS SHOWN ON PLAN AND PROFILE SHEETS ARE APPROXIMATE.
13. WHERE PULL BOXES ABUT THE BACK OF CURB OR ARE LOCATED IN A CONCRETE PAVED AREA, PROVIDE 3/4" EXPANSION MATERIAL AROUND THE PULL BOX. ALL PULL BOXES TO BE FLUSH WITH SURFACE OF CONCRETE.
14. WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT, TO FULL PAVEMENT DEPTH, THE EXISTING PAVEMENT TO A NEAT VERTICAL STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING.
15. THE CONTRACTOR SHALL VERIFY ALL EXISTING FIRE HYDRANT FLANGES, PADS, VALVE BOXES, MANHOLE RIMS AND TOP OF PIPE ELEVATIONS IN THE FIELD. ELEVATIONS SHALL BE ADJUSTED TO COMPLY WITH THE REQUIREMENTS OF THE STANDARD CITY DETAILS. ADJUSTMENTS SHALL INCLUDE A NEW EMS, NEW CONCRETE COLLAR, AND NEW RING AND COVER TO COMPLY WITH CURRENT COA STANDARD DETAIL DRAWINGS. THESE ITEMS ARE CONSIDERED INCIDENTAL TO THE REPLACEMENT.
16. WHEN APPEARING IN ANY PORTION OF THIS CONTRACT, THE WORDS "PLANT MIX BITUMINOUS PAVEMENT" (PMBP) WILL HAVE THE SAME MEANING AS AND MAY BE USED INTERCHANGEABLY WITH THE WORDS "ASPHALT CONCRETE".
17. THE SUBGRADE PREP SHALL EXTEND ONE (1) FOOT BEYOND THE BACK OF CURB.
18. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVEPADS, HANDICAP RAMPS, AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REMOVE AND REPLACE AS PER COA STANDARDS, AS APPLICABLE, AT THEIR OWN EXPENSE.
19. WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE TO NEAREST JOINT.
20. ALL CONSTRUCTION DEBRIS, SPOIL AND NON–SALVAGEABLE ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND PROPER DISPOSAL OF THESE ITEMS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY HAUL COSTS ASSOCIATED WITH THIS WORK IS CONSIDERED INCIDENTAL TO THE PROJECT.
21. ALL FINISHED GRADES AND PROFILES SHOWN ARE FLOWLINE GRADES, UNLESS OTHERWISE NOTED.
22. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED PER STD DWG 2415A BY THE CONTRACTOR AT HIS EXPENSE.
23. ONLY ABCWUA HAS THE AUTHORITY TO OPERATE VALVES.
24. ALL TRENCH EXCAVATION BACKFILL WITHIN THE ROADWAY PRISM SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR ASTM D–1577 PER COA STANDARDS, SECTION 701.
25. ANY EARTHWORK HAUL ON THIS PROJECT WILL BE CONSIDERED AS INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT WILL BE MADE THEREFORE.
26. STRUCTURAL FILL FOR EMBANKMENTS, PAVEMENTS, AND STRUCTURES SHALL BE PLACED IN LIFTS THAT, FOLLOWING COMPACTION, DO NOT EXCEED 8". FILLS SHALL BE COMPACTED AT MOISTURE CONTENTS WITHIN +/- 2% OF OPTIMUM MOISTURE CONTENT. SELECT STRUCTURAL FILL AROUND CULVERTS AND OTHER STRUCTURES SHOULD BE COMPACTED, USING HAND OPERATED COMPACTION EQUIPMENT AND IN LIFTS NOT EXCEEDING 4", TO THE DENSITY AND MOISTURE CONTENT SPECIFIED ABOVE.

LEGEND

	GAS VALVE		PROPOSED ASPHALT
	WATER VALVE		PROPOSED CONCRETE
	WATER METER		WORK AREA
	GAS METER		DEMOLITION AREAS
	FIRE HYDRANT		WALLS TO BE REMOVED
	ELECTRICAL, JUNCTION BOX		PROPOSED WOOD FENCE
	UTILITY, SANITARY MANHOLE		PROPOSED CHAIN LINK FENCE
	UTILITY, STORM DRAINAGE MANHOLE		
	TRAFFIC SIGN		
	MULTI–POST SIGN		
	DRAINAGE, CATCH BASIN, ROUND		
	TREE, DECIDUOUS EXISTING		
	TREE, EVERGREEN EXISTING		
	SANITARY SEWER LINE		
	WATER LINE, UNDERGROUND		
	GAS LINE, UNDERGROUND		
	FENCE, WROUGHT IRON		

UTILITY CONTACTS

COMPANY	PHONE	MOBILE	CONTACT
ABCWUA	505–768–2713		ANTHONY MONTOYA, JR.
NM GAS COMPANY	505–697–3529	505–362–5790	CLARA BUSTAMANTE
NM GAS COMPANY	505–697–3599	505–681–4423	TOM BULLARD
NM GAS COMPANY	505–798–3397	505–239–9826	JOE RICE
AT&T	303–620–2254	720–620–2254	DAVID STOCKTON
AT&T	714–761–6221		WALTER WERSTIUK
MCI WORLDCOM	505–346–4470		ANDY DARNELL
COMCAST	505–761–6252		MIKE MORTUS
TIME WARNER TELECOM	505–938–7339		ROYAL HARRISON
PNM ELECTRIC CO	505–241–3698		CHRIS BUDD
QWEST	505–245–6374		ROSA KNIFFIN
MCLEOD USA	505–217–0038		RICK MUELLER
QWEST LONG DISTANCE	505–246–0501		LARRY KELLY
REDFLEX TRAFFIC SYSTEMS	623–207–2000		BRIAN KORITO

RECORD DRAWING  
DATE 7/3/2012

WILSON & COMPANY

4900 LANG AVENUE NE  
ALBUQUERQUE, NEW MEXICO  
87109  
(505) 348–4000  
FAX (505) 348–4072

CITY OF ALBUQUERQUE

DEPARTMENT OF MUNICIPAL DEVELOPMENT

ENGINEERING DIVISION

TITLE: 10TH STREET & EL BORDO DRIVE SW  
10TH STREET & EL BORDO  
GENERAL NOTES

Design Review Committee

City Engineer Approval

Mo./Day/Yr.

Mo./Day/Yr.

APPROVED  
MAY 26 2011  
DESIGN REVIEW COMMITTEE

APPROVED  
MAY 26 2011  
CITY ENGINEER

Lost Design Update

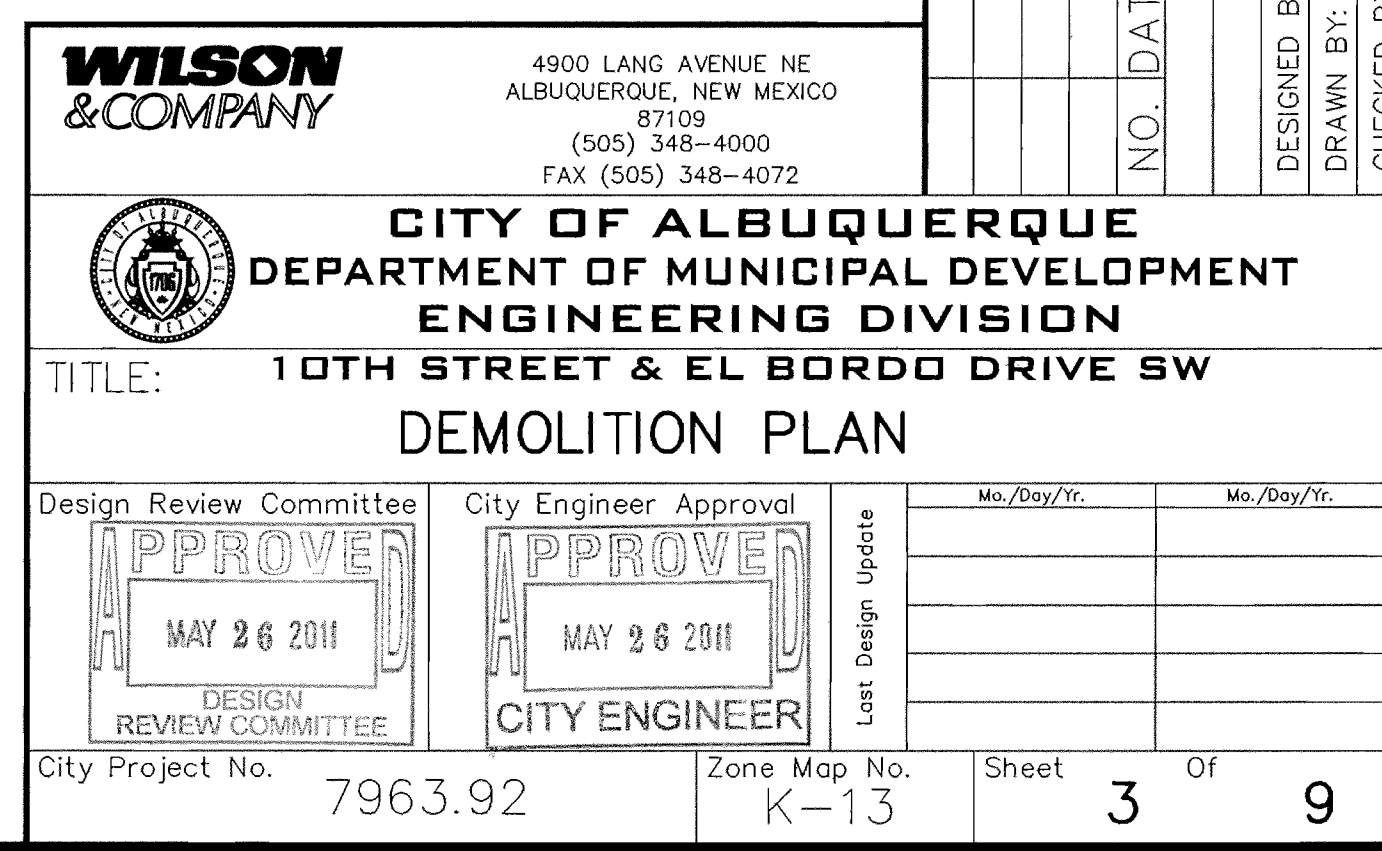
City Project No. 7963.92


Zone Map No. K–13

Sheet 2 Of 9

T:\Projects\0660012300\CADD\SHEETS\SHEETS T\66123GENT.dwg 5/19/2011 3:05:20 PM MDT





POTHOLE LOG								
MARKER 1 LOCATION			WATER METER					
MARKER 2 LOCATION			CENTER OF MANHOLE COVER					
MARKER 3 LOCATION			CENTER OF MANHOLE COVER					
 ( IN FEET ) 1 inch = 10 ft.								
POTHOLE #	TYPE	MATERIAL	DIA.	TO TOP	MARKER 1	MARKER 2	MARKER 3	DEPTH
1	WATER	METALLIC	8"	39"	15.04'	52.08'	20.03'	5" ASPHALT
2	WATER	METALLIC	8"	36"	43.03'	16.07'	58.07'	5" ASPHALT
3	SAS	CLAY TILE	8"	16"	47.07'	11.04'	75.03'	5" ASPHALT
4	STORM	CONCRETE	24"	105"	65.02'	20.06'	54.02'	5" ASPHALT
5	STORM	CONCRETE	24"	112"	35.06'	10.04'	45.08'	5" ASPHALT

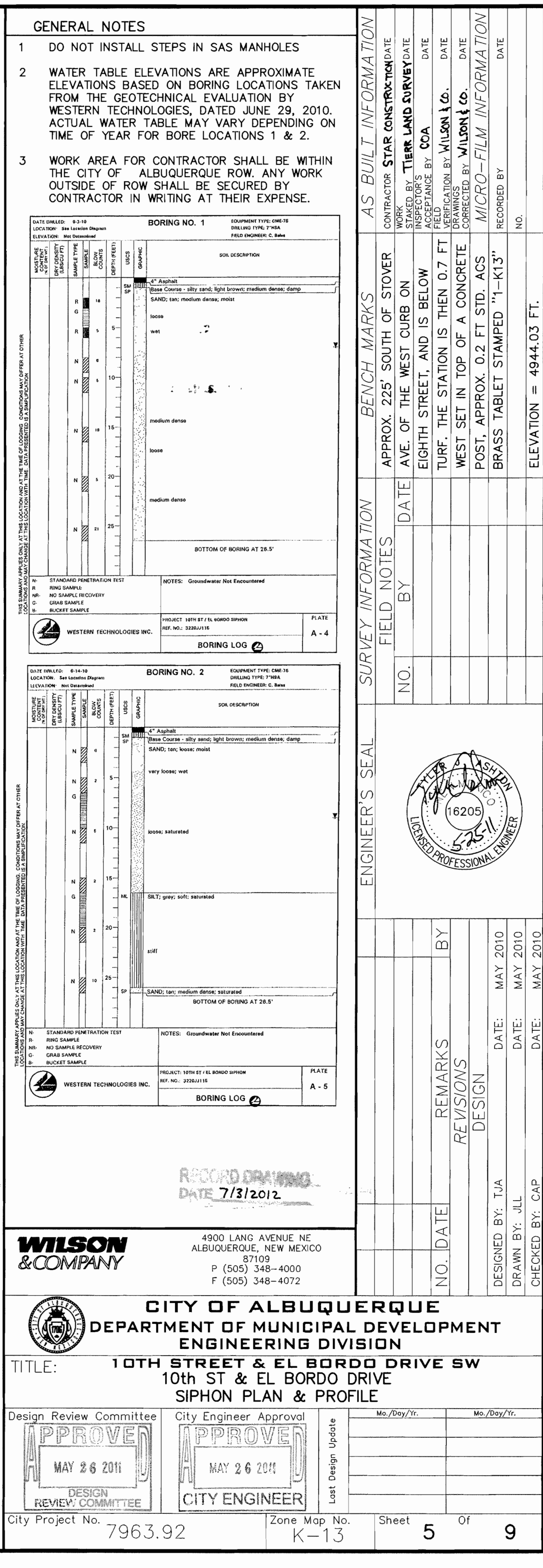
T:\Projects\0660012300\CADD\SHEETS\SHEETS\T\66123DEMO\_T.dwg 5/11/2011 9:41:09 AM MDT

NOTE: ALL SOIL SHALL BE COMPACTED TO A DENSITY NOT LESS THAN 95% OF MAXIMUM DENSITY, AS DETERMINED BY ASTM D 1557. THE CONTRACTOR SHALL TAKE CARE TO ASSURE THAT THE PIPE IS NOT DAMAGED OR MISALIGNED DURING COMPECTION OF THE EMBEDMENT. BASED ON BORING LOCATIONS TAKEN FROM THE GEOTECHNICAL EVALUATION BY WESTERN TECHNOLOGIES, DATED JUNE 29, 2010.

City Project No.	7963.92	Zone Map No.	K-13	Sheet	4	Of	9
------------------	---------	--------------	------	-------	---	----	---

RECORD DRAWING  
DATE 7/3/2012



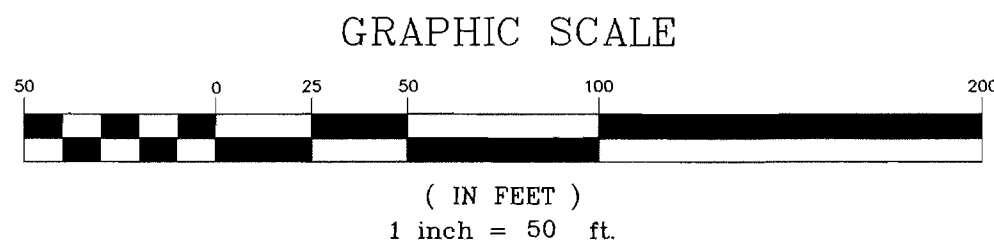
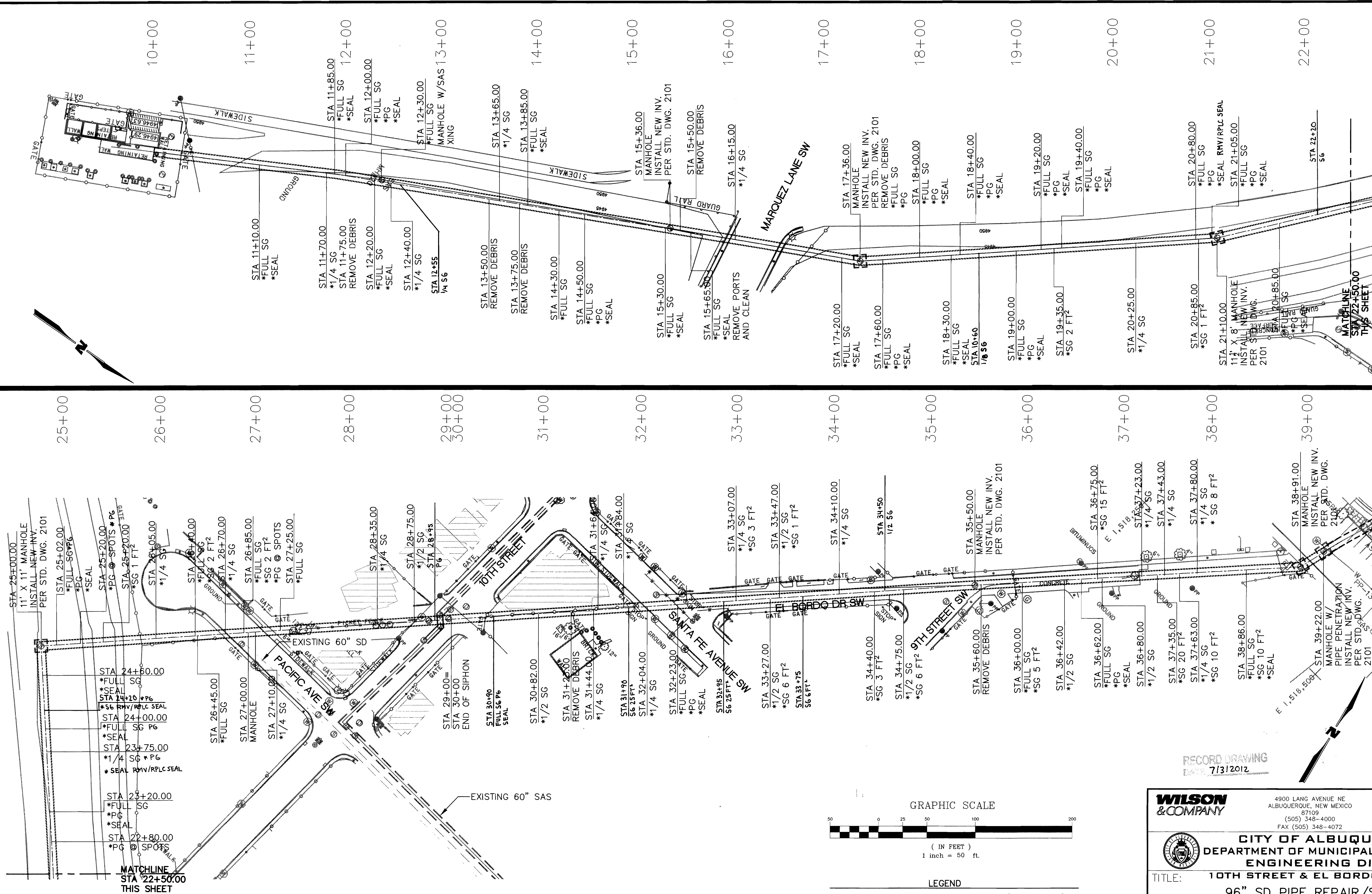








T:\Projects\0660012300\CADD\SHEETS\SHEETS\166123\_96\_SITE.dwg 11/9/2010 1:26:26 PM WST



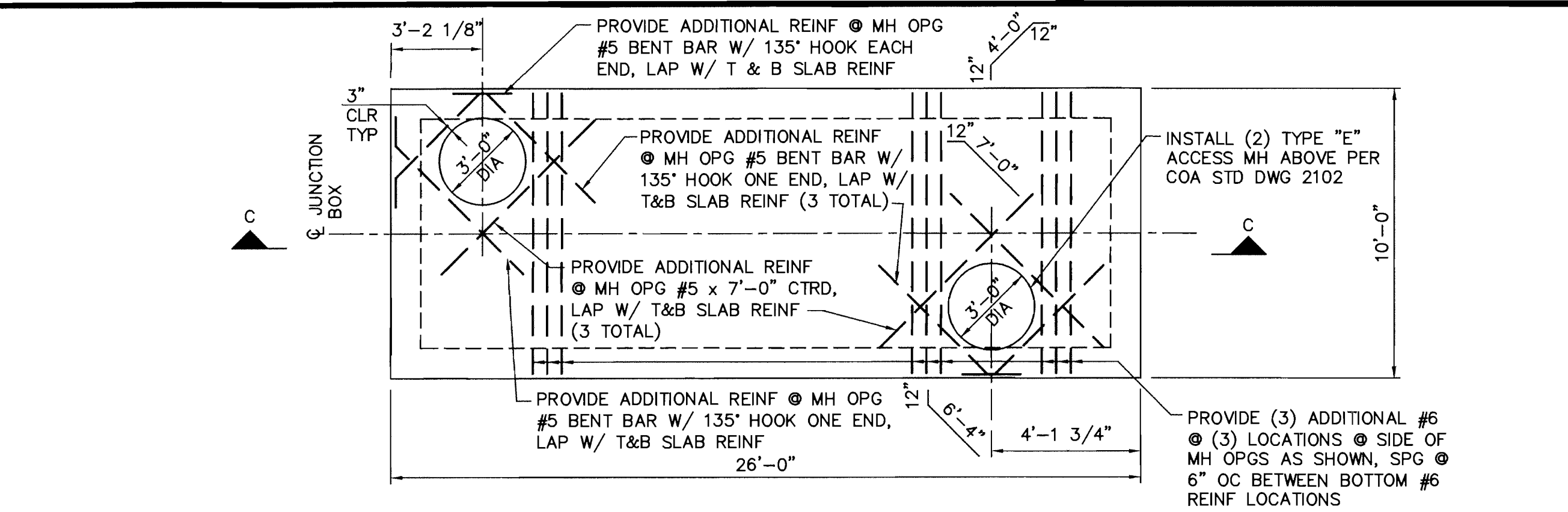
- LEGEND
- \*SG SURFACE GROUT (INSIDE PIPE)
  - \*PG PRESSURE GROUT (INSIDE PIPE)
  - \*SG X FT<sup>2</sup> SURFACE GROUT NOT AT SEAL (INSIDE PIPE)
  - \*SEAL 18" INTERNAL MECHANICAL JOINT SEAL

96" STORM DRAIN QUANTITIES, SEE SHEET 9 OF 9

<b>WILSON &amp; COMPANY</b> 4900 LANG AVENUE NE ALBUQUERQUE, NEW MEXICO 87109 (505) 348-4000 FAX: (505) 348-4072	
<b>CITY OF ALBUQUERQUE</b> DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: <b>10TH STREET &amp; EL BORDO DRIVE SW</b> <b>96" SD PIPE REPAIR/SITE MAP</b>	
Design Review Committee <b>APPROVED</b> MAY 26 2011 DESIGN REVIEW COMMITTEE	City Engineer Approval <b>APPROVED</b> MAY 26 2011 CITY ENGINEER
City Project No. 7963.92	Zone Map No. K-13
Sheet 7	Of 9

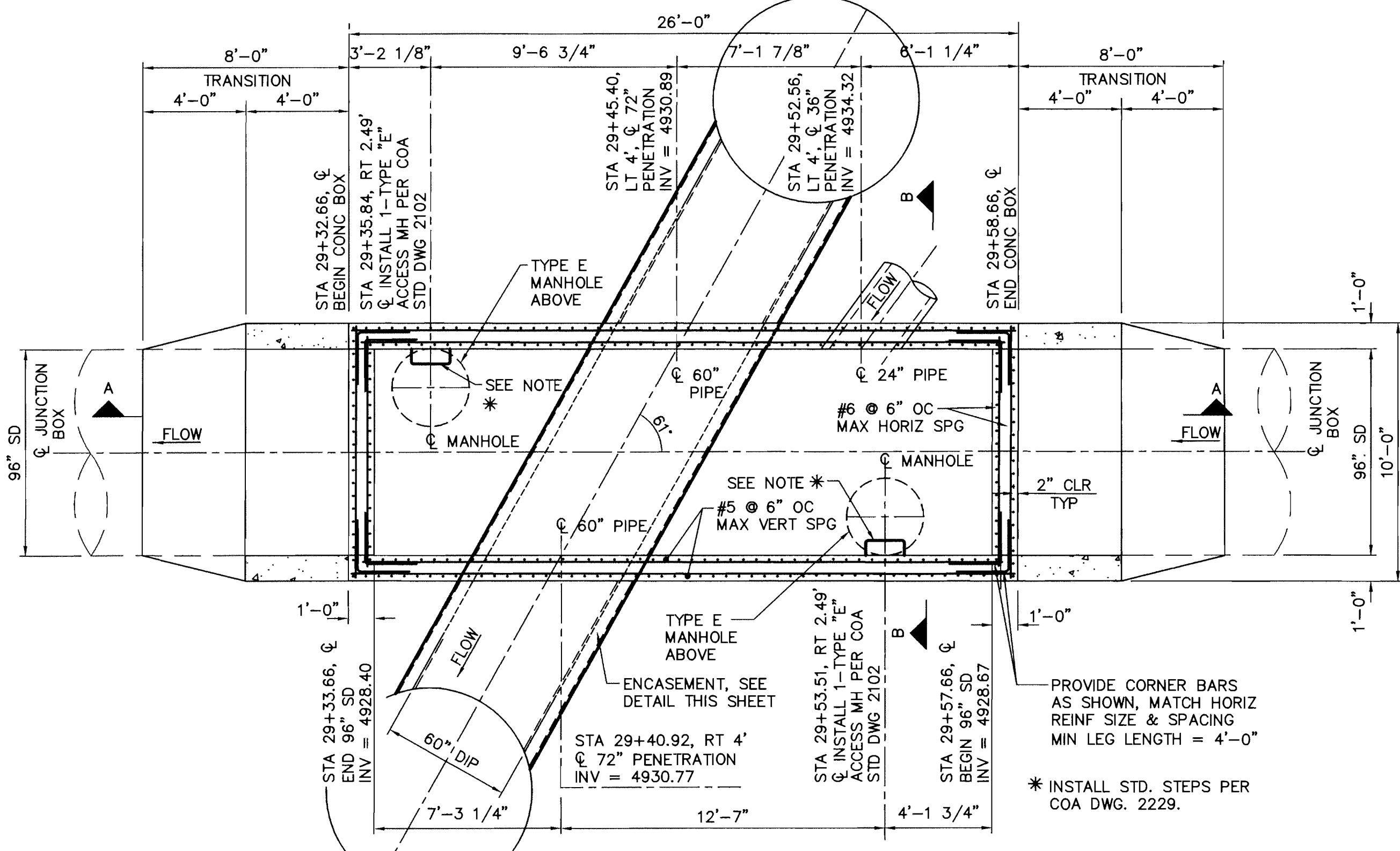
SURVEY INFORMATION			BENCH MARKS			AS BUILT INFORMATION		
FIELD NOTES			APPROX. 225' SOUTH OF STOVER AVE. OF THE WEST CURB ON EIGHTH STREET, AND IS BELOW TURF. THE STATION IS THEN 0.7 FT WEST SET IN TOP OF A CONCRETE POST, APPROX. 0.2 FT STD. ACS			CONTRACTOR SUR CONSTRUCTION		
NO.	BY	DATE	NO.	BY	DATE	WORK	STATION	DATE
						STATIONED BY	WILSON & CO.	DATE
						INSPECTED BY	WILSON & CO.	DATE
						VERIFIED BY	WILSON & CO.	DATE
						CORRECTED BY	WILSON & CO.	DATE
						MICRO-FILM INFORMATION		
						RECORDED BY		DATE
						NO.		
						ELEVATION = 4944.03 FT.		





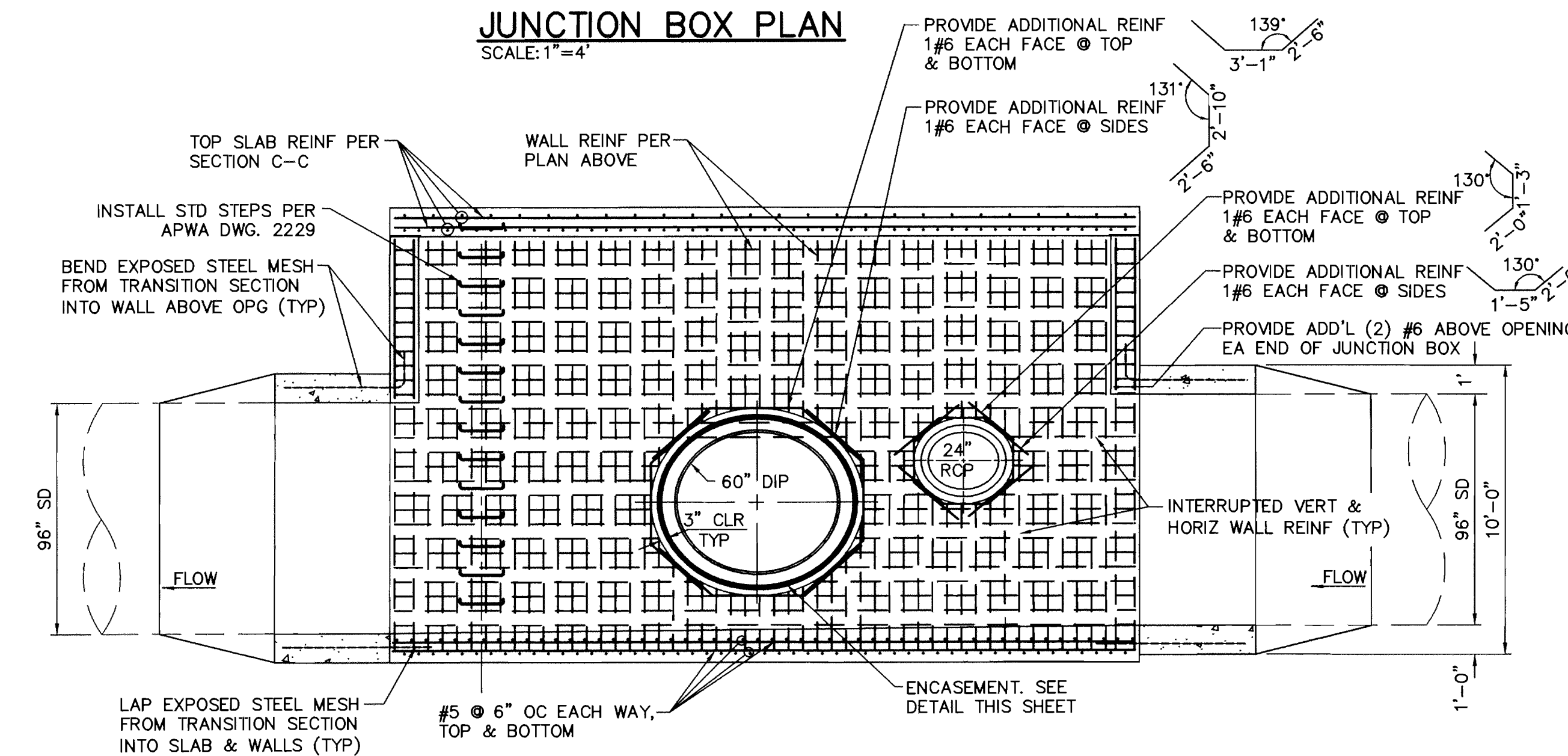
**PRECAST TOP SLAB FOR JUNCTION BOX PLAN**

SCALE: 1"=2' NOTE: PROVIDE MORTAR BED FOR EVEN BEARING



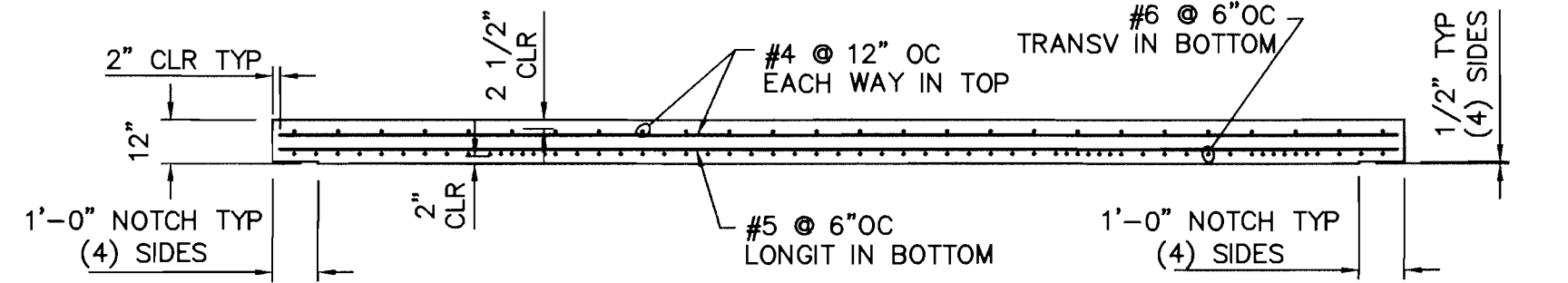
**JUNCTION BOX PLAN**

SCALE: 1"=4'



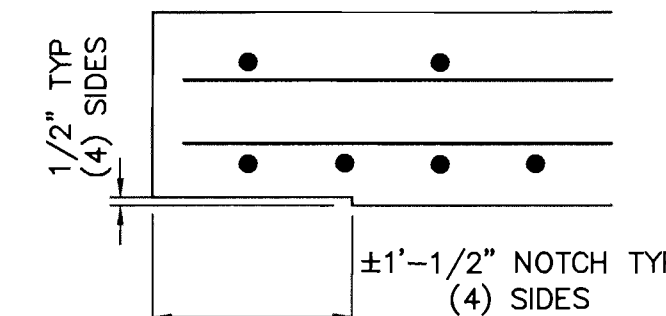
**SECTION A-A**

SCALE: 1"=4'



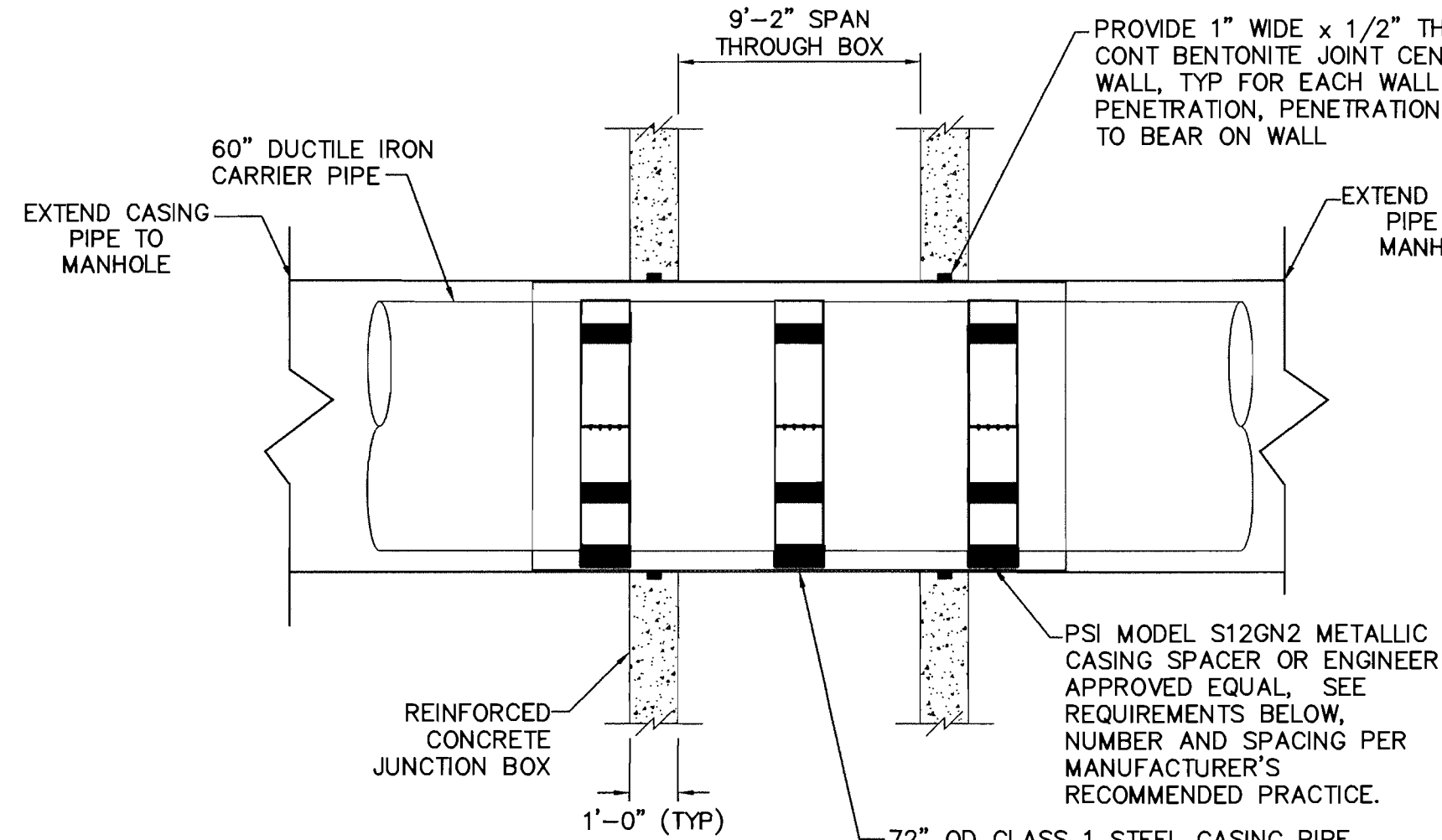
**PRECAST TOP SLAB FOR JUNCTION BOX SECTION C-C**

SCALE: 1"=2' NOTE: PROVIDE MORTAR BED FOR EVEN BEARING. PROVIDE ADDITIONAL REINF #5 MH OPGS IN BOTTOM PER PLAN.



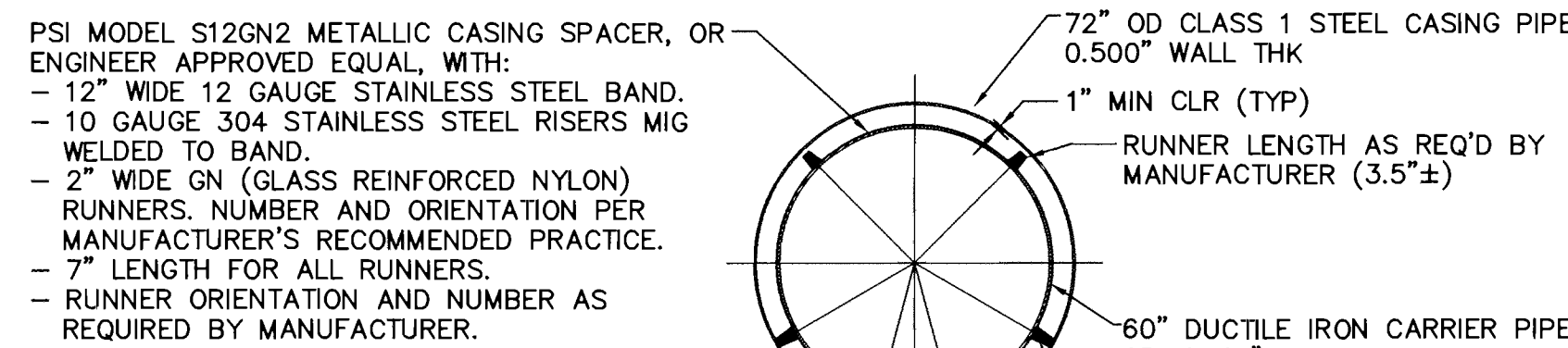
**NOTCH DETAIL TYP.**

SCALE: 1"=1'



**ELEVATION**

NTS

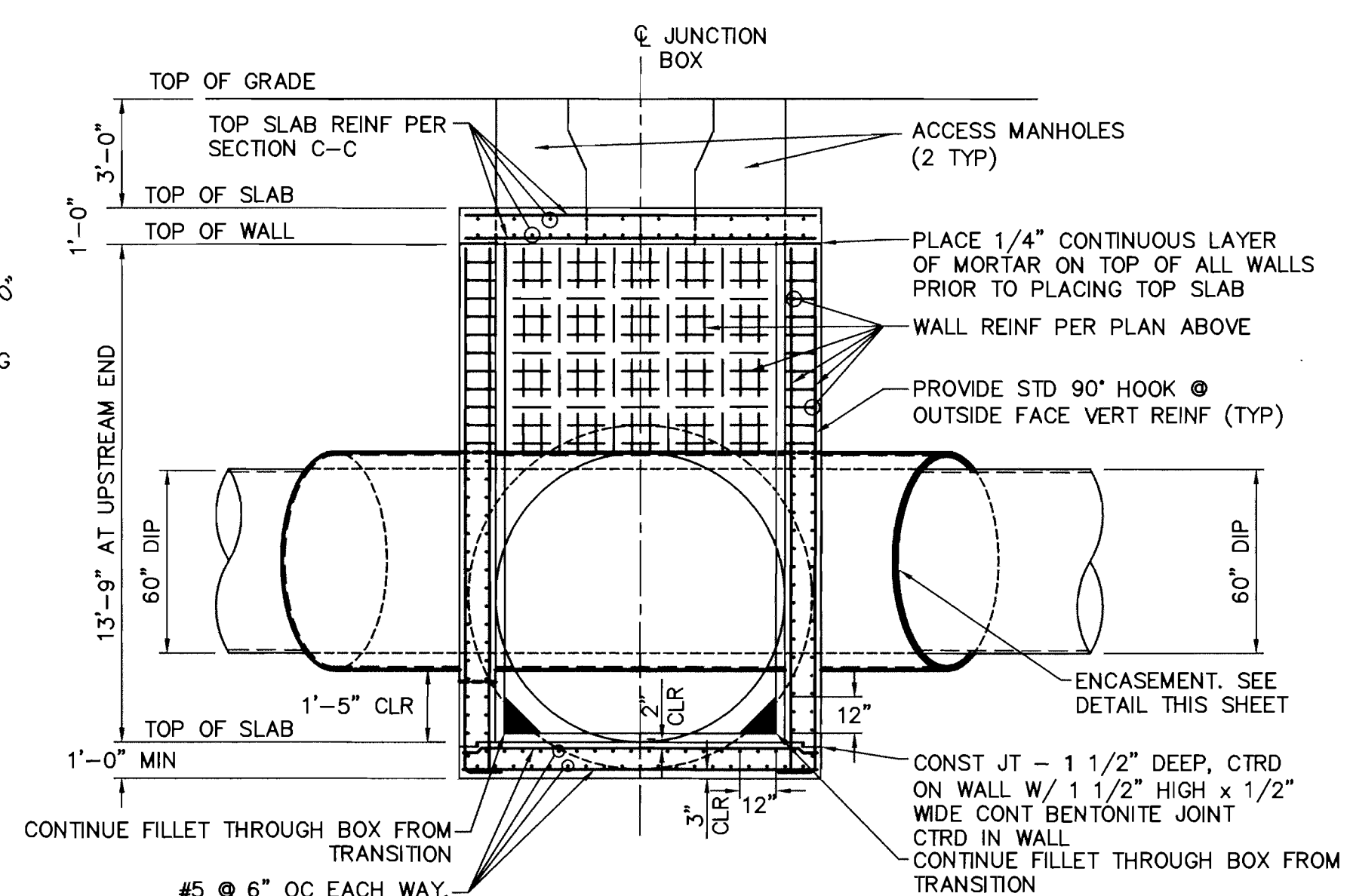


**END SECTION**

NTS

**ENCASEMENT DETAIL**

SCALE: NTS



**SECTION B-B**

SCALE: 1"=4'

## GENERAL NOTES

- CONSTRUCTION SPECIFICATIONS: CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 WITH UPDATES; AND APPLICABLE SUPPLEMENTAL TECHNICAL SPECIFICATIONS.
- CONCRETE  $f'_c$  = 4000 psi.
- STEEL REINFORCEMENT PER ASTM A615, GRADE 60. ALL DIMENSIONS SHOWN REFER TO CENTERLINE OF BARS UNLESS NOTED OTHERWISE.
- CONCRETE TRANSITION STEEL MESH: PROVIDE 1'-6" MIN. EXTENDED STEEL MESH ON SQUARE ENDS OF TRANSITION SECTIONS FOR LAP CONNECTIONS WITH JUNCTION BOX.
- USE HYDROCID 700B EMULSIFIED ASPHALT, OR EQUAL FOR WATERPROOFING SYSTEM ON FACES IN DIRECT CONTACT WITH RETAINED EARTH.
- COMPACT BACKFILL ADJACENT TO STRUCTURE USING PORTABLE, HAND-OPERATED TAMPERS, OR USING LOW-STRENGTH LEAN CONCRETE (FLOWABLE FILL).
- SCARIFY FOUNDATION SOILS TO A DEPTH OF 8", MOISTURE CONDITION TO NEAR OPTIMUM MOISTURE CONTENT (+ 3%), AND COMPACT TO 95% MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557.
- BENTONITE SEAL: FURNISH WATERSTOP -RX 101T, SUPPLIED BY CETCO OR AN APPROVED SUBSTITUTE. SELECTED SEAL MUST BE A BENTONITE STRIP SEAL APPROPRIATE FOR THE CONCRETE STRENGTH AND CONDITIONS SHOWN. SUBMIT FOR PROJECT ENGINEERS APPROVAL PRIOR TO CONSTRUCTION.

## DESIGN DATA

- DESIGN SPECIFICATIONS: AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH EDITION.
- MATERIAL STRENGTHS: CONCRETE  $f'_c$  = 4000 PSI, STEEL  $F_y$  = 60,000 PSI.
- EARTH PRESSURE: 60 PCF EQUIVALENT FLUID PRESSURE (AT-REST), ALLOWABLE BEARING PRESSURE 2000 PSF.
- EARTH FILL: 3.0 FT MAX.
- LIVE LOAD: HS-20 (TOP & BOTTOM SLABS) 2' SURCHARGE (WALLS)

RECORD DRAWING  
DATE 7/3/2012

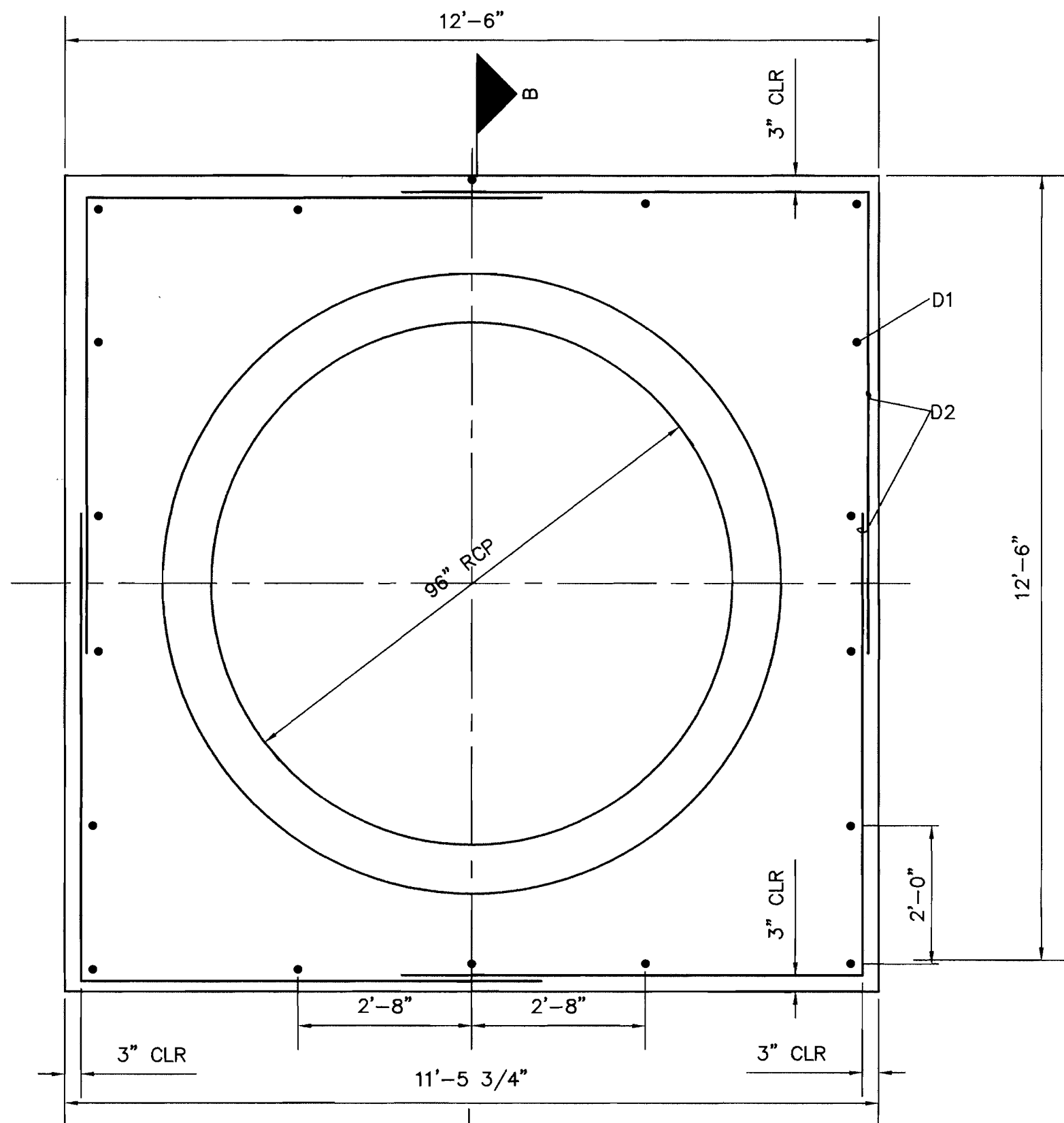
<b>WILSON &amp; COMPANY</b> 4900 LANG AVENUE NE ALBUQUERQUE, NEW MEXICO 87109 (505) 348-4000 FAX (505) 348-4072		<b>CITY OF ALBUQUERQUE</b> DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION TITLE: 10TH STREET & EL BORDO DRIVE SW	
Design Review Committee <b>APPROVED</b> MAY 26 2011 DESIGN REVIEW COMMITTEE		City Engineer Approval <b>APPROVED</b> MAY 26 2011 CITY ENGINEER	
City Project No. 7963.92		Zone Map No. K-13	
Sheet 8		Of 9	

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	STAR CONSTRUCTION	APPROX. 225' SOUTH OF STOVER	DATE	NO.	DATE	NO.	DATE
WORK STAGED BY	STAR CONSTRUCTION	AVE. OF THE WEST CURB ON	DATE	BY	DATE	BY	DATE
FIELD ACCEPTANCE BY	COA	EIGHTH STREET, AND IS BELOW	DATE	REMARKS	DATE	REVISIONS	DATE
FIELD ACCEPTANCE BY	COA	TURF. THE STATION IS THEN 0.7 FT	DATE	DESIGN	DATE	DESIGN	DATE
FIELD ACCEPTANCE BY	COA	WEST SET IN TOP OF A CONCRETE	DATE	DESIGN	DATE	DESIGN	DATE
FIELD ACCEPTANCE BY	COA	POST, APPROX. 0.2 FT STD. ACS	DATE	DESIGN	DATE	DESIGN	DATE
FIELD ACCEPTANCE BY	COA	BRASS TABLET STAMPED "1-K13"	DATE	DESIGN	DATE	DESIGN	DATE
FIELD ACCEPTANCE BY	COA	ELEVATION = 4944.03 FT.	DATE	DESIGN	DATE	DESIGN	DATE

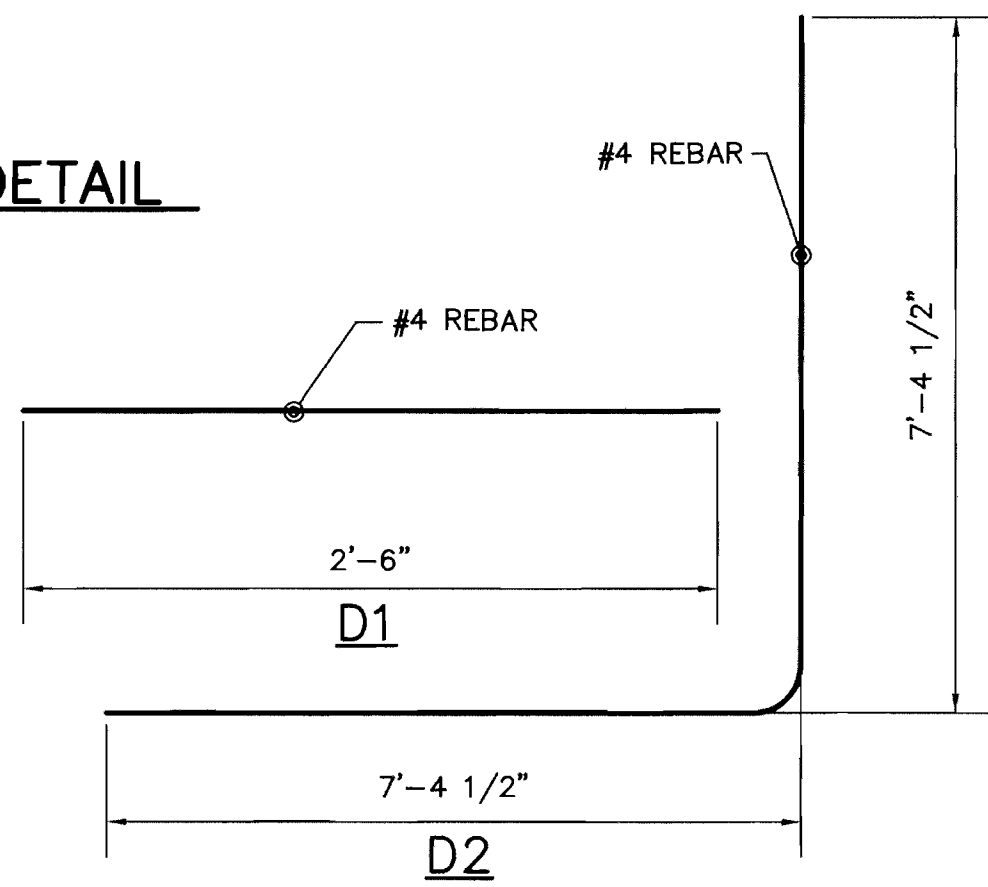


	STATION	SG	PG	SEAL	SURFACE GROUT AREA-FT²
12+55	11+10	F		X	76.00
	11+70	1/4			19.00
	11+75	REMOVE DEBRIS			
	11+85	F		X	76.00
	12+00	F	X	X	76.00
	12+20	F		X	76.00
	12+30MH	F			76.00
	12+40	1/4			19.00
	13+50	REMOVE DEBRIS			
	13+65	1/4			19.00
18+60	13+75	REMOVE DEBRIS			
	13+85	F		X	76.00
	14+30	F			76.00
	14+50	F	X	X	76.00
	15+30	F		X	76.00
	15+36MH	NEW INVERT			
	15+50	REMOVE DEBRIS			
	15+65	F/REMOVE PORTS		X	76.00
	16+15	1/4			19.00
	17+20	F		X	76.00
22+20	17+36MH	NEW INVERT	X		
	17+60	F	X	X	76.00
	18+00	F	X	X	76.00
	18+30	F		X	76.00
	18+40	F	X	X	76.00
	19+00	F	X	X	76.00
	19+20	F	X	X	76.00
	19+35	2FT²			2.00
	19+40	F	X	X	76.00
	20+25	1/4			19.00
24+20	20+80	F	X	X	76.00
	20+85	1FT²			1.00
	21+05	F	X	X	76.00
	21+10MH	NEW INVERT			
	21+75	F	X	X	76.00
	22+80	SPOT			
	23+20	F	X	X	76.00
	23+75	1/4	X	X	19.00
	24+00	F	X	X	76.00
	24+60	F		X	76.00
28+95	25+00MH	NEW INVERT			
	25+02	F	X	X	76.00
	25+20	SPOT	X		
	25+50	1FT²			1.00
	26+05	1/4			19.00
	26+40	F+2FT²			78.00
	26+45	F			76.00
	26+70	1/4			19.00
	26+85	F+2FT²	SPOT	X	78.00
	27+00MH		X		
30+40	27+10	1/4			19.00
	27+25	F			76.00
	28+35	1/4			19.00
	28+75	1/2	F	X	76.00
	29+00	SIPHON			
	30+00	SIPHON	F	X	76.00
	30+82	1/2			38.00
	31+23	REMOVE DEBRIS			
	31+44	1/4			19.00
	31+64	1/4			19.00
32+95	31+84	1/4			25
	32+04	1/4			19.00
	32+23	F	X	X	25
	33+07	1/4+3FT²			22.00
	33+27	1/2+6FT²			44.00
	33+47	1/2+FT²			39.00
	34+10	1/4			19.00
	34+40	3 FT²			3.00
	34+75	1/2+ 6FT²			44.00
	35+50MH	NEW INVERT			
33+75	35+60	REMOVE DEBRIS			
	36+00	F+5FT²			81.00
	36+42	1/2			38.00
	36+62	F	X	X	76.00
	36+75	15 FT²			15.00
	36+80	1/2			38.00
	37+23	1/4			19.00
	37+35	20 FT²			20.00
	37+43	1/4			19.00
	37+63	1/4+10FT²			29.00
34+50	37+80	1/4+ 8 FT²			27.00
	38+86	F+10 FT²		X	86.00
	38+91MH	NEW INVERT			
	39+22MH	NEW INVERT			
					3249.00 FT² OF SURFACE GROUT
					7.00 NEW INVERTS
					16.00 PRESSURE GROUT
					3.00 SPOT PRESSURE GROUT
					26.00 SEALS

96" SD QUANTITIES

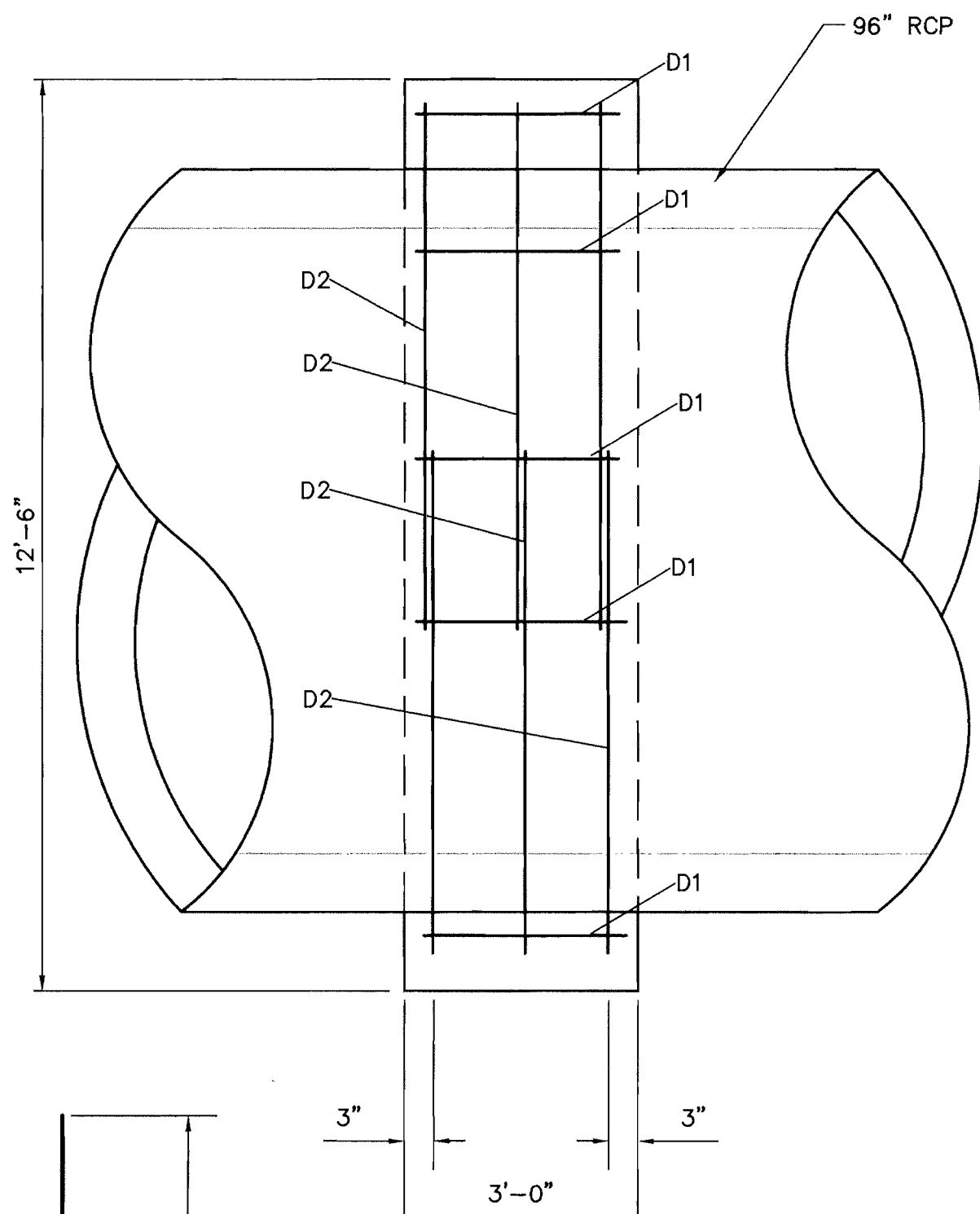


96" SD COLLAR DETAIL  
SCALE: 1" = 2'



COLLAR BAR TYPES

NTS



SECTION B-B  
SCALE: NTS

RECORD DRAWING  
DATE: 7/3/2012

**WILSON & COMPANY**

4900 LANG AVENUE NE  
ALBUQUERQUE, NEW MEXICO 87109  
(505) 348-4000  
FAX (505) 348-4072



**CITY OF ALBUQUERQUE**  
**DEPARTMENT OF MUNICIPAL DEVELOPMENT**  
**ENGINEERING DIVISION**

TITLE: 10TH STREET & EL BORDO DRIVE SW

COLLAR DETAILS

Design Review Committee  
**APPROVED**  
MAY 26 2011  
DESIGN REVIEW COMMITTEE

City Engineer Approval  
**APPROVED**  
MAY 26 2011  
CITY ENGINEER

Last Design Update

Mo./Day/Yr.

Mo./Day/Yr.

City Project No. 7963.92

Zone Map No. K-13

Sheet 9

Of 9

9

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES		APPROX. 225' SOUTH OF STOVER AVE. OF THE WEST CURB ON EIGHTH STREET, AND IS BELOW TURF. THE STATION IS THEN 0.7 FT WEST SET IN TOP OF A CONCRETE POST, APPROX. 0.2 FT STD. ACS. BRASS TABLET STAMPED "1-KT3"		CONTRACTOR STAR CONSTRUCTION	
NO.	BY	DATE	DATE	STAKED BY	DATE
				INSPECTOR'S FIELD-TABLE BY	DATE
				VERIFICATION BY	DATE
				DRAWN BY	DATE
				CHECKED BY	DATE
				RECORDED BY	DATE
				ELEVATION =	4944.03 FT.