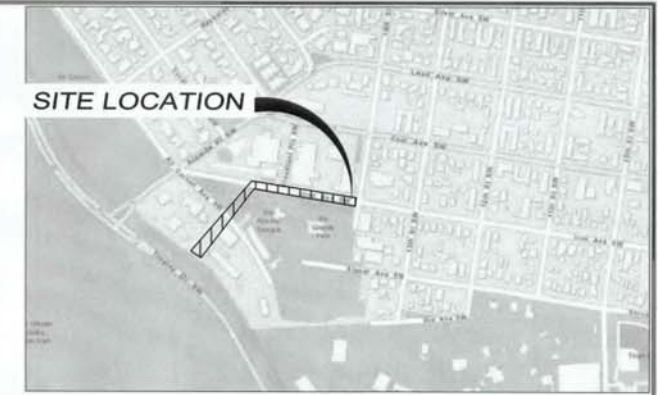




CITY OF ALBUQUERQUE

CONSTRUCTION PLANS FOR IRON AVENUE STORM DRAIN IMPROVEMENTS

14TH STREET TO ALCALDE PUMP STATION
CPN 796313



VICINITY MAP
ZONE ATLAS MAP NO. K-13 SCALE: 1"= 500'

City Inspector:	Mark McConnell
City Project Manager:	Savannah Torres, P.E.
Contractor:	NM Underground Utilities
Surveyor:	Christopher A. Medina, PS President Terra Land Surveys, LLC
City Urban Program Supervisor:	N/A
City Construction Engineer:	Ron Romero, P.E./Daiquiri Zozaya, P.E.
Letter of Acceptance Date:	11/19/19

SHEET INDEX

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12-17	STORM DRAIN PLAN & PROFILE
13-17	ROADWAY PLAN & PROFILE
14-17	DETAILS01
15-17	DETAILS02
16-17	DETAILS03
17-17	TRAFFIC CONTROL PLAN

I, Tyler J. Ashton of the firm Wilson & Company, a Registered Professional Engineer in the State of New Mexico, NMPE Number 16205, 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 A. Medina NMPS Number 15702.

Tyler J. Ashton, P.E. NM 16205

12/11/2019
Date

PROJECT DESCRIPTION:

THIS PROJECT INCLUDES COMPLETE RECONSTRUCTION OF THE STORM DRAIN IN IRON AVENUE FROM 14TH STREET TO THE ALCALDE PUMP STATION. ROADWAY AND SIDEWALK IMPROVEMENTS WILL BE COMPLETED WHERE THE STORM DRAIN IS CONSTRUCTED.

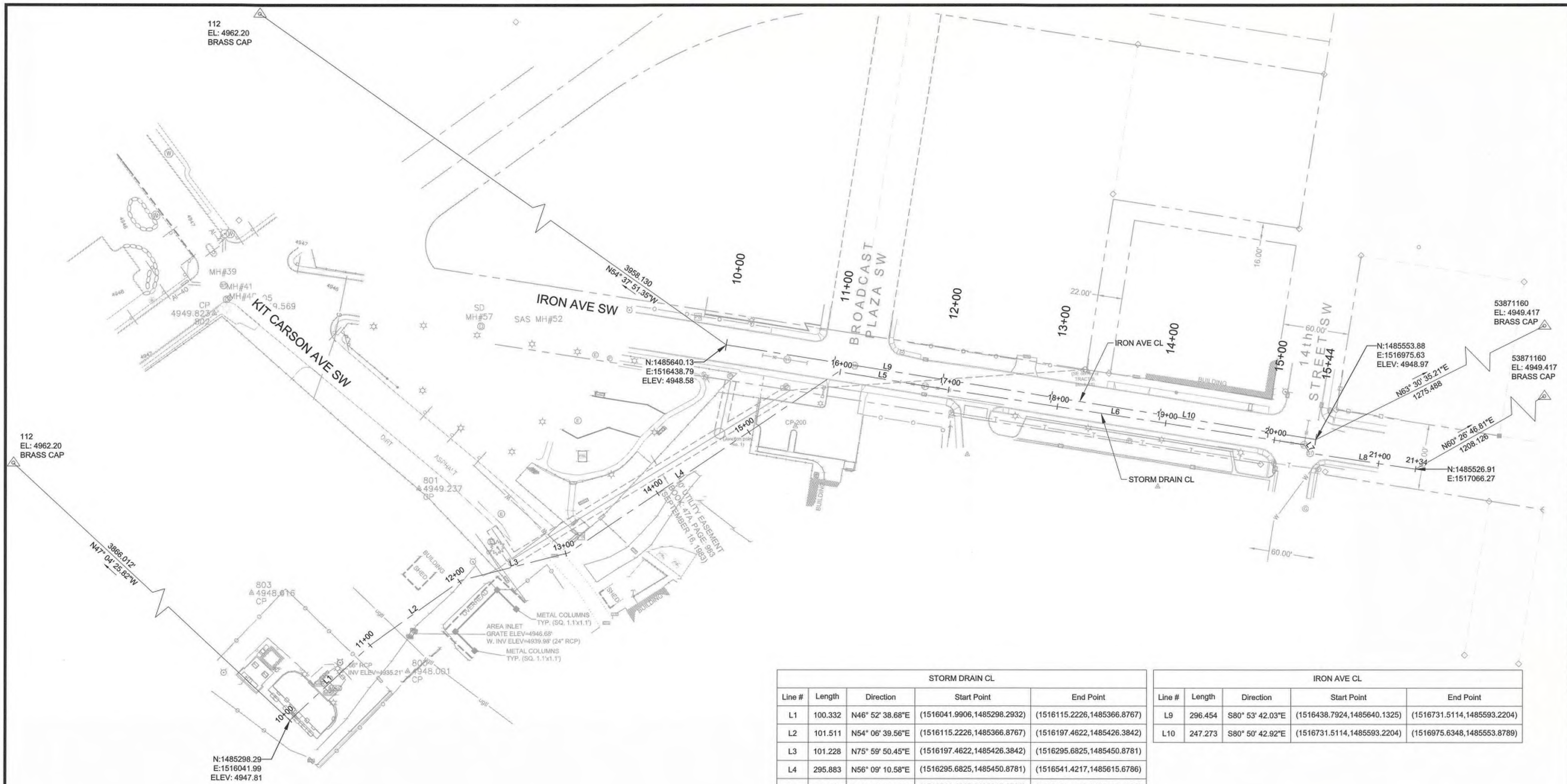
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ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC Chairman				10-2-19	
		Transportation				10-01-19	
		Water/Wastewater				10-1-19	
		Hydrology				10-2-2019	
		Parks				10-2-2019	
		Constr. Mngmt.					
		Constr. Coord.					
		City Project No.		796313		Sheet 1 of 17	

Amelia Symonds
April 2, 2020

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87109
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WCEA FILE NO. 1760004500

RECORD DRAWING
DATE 9-20-2019



STORM DRAIN CL				
Line #	Length	Direction	Start Point	End Point
L1	100.332	N46° 52' 38.68"E	(1516041.9906, 1485298.2932)	(1516115.2226, 1485366.8767)
L2	101.511	N54° 06' 39.56"E	(1516115.2226, 1485366.8767)	(1516197.4622, 1485426.3842)
L3	101.228	N75° 59' 50.45"E	(1516197.4622, 1485426.3842)	(1516295.6825, 1485450.8781)
L4	295.883	N56° 09' 10.58"E	(1516295.6825, 1485450.8781)	(1516541.4217, 1485615.6786)
L5	79.827	S80° 29' 30.77"E	(1516541.4217, 1485615.6786)	(1516620.1522, 1485602.4922)
L6	348.890	S81° 13' 23.71"E	(1516620.1522, 1485602.4922)	(1516964.9573, 1485549.2568)
L7	9.513	S34° 42' 04.85"E	(1516964.9573, 1485549.2568)	(1516970.3730, 1485541.4360)
L8	96.989	S81° 23' 10.71"E	(1516970.3730, 1485541.4360)	(1517066.2683, 1485526.9098)

IRON AVE CL				
Line #	Length	Direction	Start Point	End Point
L9	296.454	S80° 53' 42.03"E	(1516438.7924, 1485640.1325)	(1516731.5114, 1485593.2204)
L10	247.273	S80° 50' 42.92"E	(1516731.5114, 1485593.2204)	(1516975.6348, 1485553.8789)

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	PRIMARY BENCHMARK	DATE	NO.	BY		DESIGNED BY: JEL DRAWN BY: MTR CHECKED BY: TJA
WORK STARTED BY	DATE	CONTROL STATION "B-K14R 1987"	DATE	NO.	BY		
ACCEPTANCE BY	DATE	CITY OF ALBUQUERQUE SURVEY CONTROL 3	DATE	NO.	BY		
FIELD ADJUSTMENT BY	DATE	0.5 MILES SOUTHEAST OF DOWNTOWN ALBUQUERQUE AND IS IN THE NE CORNER OF CENTRAL AVE. AND BROADWAY BLVD. NE. X-1522408.109	DATE	NO.	BY		
MICRO-FILM INFORMATION							
RECORDED BY	DATE						
NO.							



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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **IRON AVENUE STORM DRAIN IMPROVEMENTS**
HORIZONTAL CONTROL



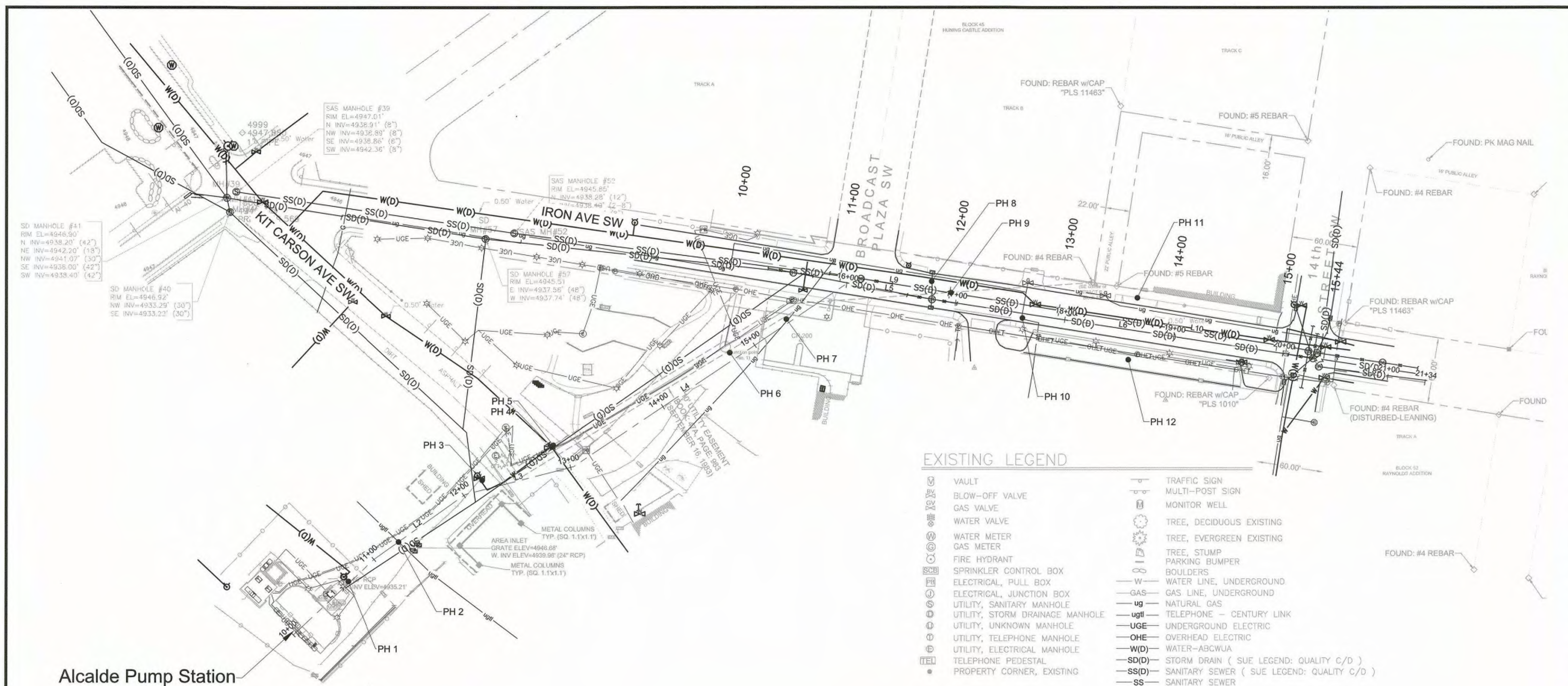
DESIGN REVIEW COMMITTEE
OCT 02 2018



CITY ENGINEER
OCT 03 2018

City Project No.	796313	Zone Map No.	K-13	Sheet	4	Of	17
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A1 HORIZONTAL CONTROL
SCALE: 1" = 50'



Alcalde Pump Station

EXISTING LEGEND

- | | |
|---------------------------------|---|
| VAULT | TRAFFIC SIGN |
| BLOW-OFF VALVE | MULTI-POST SIGN |
| GAS VALVE | MONITOR WELL |
| WATER VALVE | TREE, DECIDUOUS EXISTING |
| WATER METER | TREE, EVERGREEN EXISTING |
| GAS METER | TREE, STUMP |
| FIRE HYDRANT | PARKING BUMPER |
| SPRINKLER CONTROL BOX | BOULDERS |
| ELECTRICAL, PULL BOX | W- WATER LINE, UNDERGROUND |
| ELECTRICAL, JUNCTION BOX | GAS- GAS LINE, UNDERGROUND |
| UTILITY, SANITARY MANHOLE | ug- NATURAL GAS |
| UTILITY, STORM DRAINAGE MANHOLE | ugtl- TELEPHONE - CENTURY LINK |
| UTILITY, UNKNOWN MANHOLE | UGE- UNDERGROUND ELECTRIC |
| UTILITY, TELEPHONE MANHOLE | OHE- OVERHEAD ELECTRIC |
| UTILITY, ELECTRICAL MANHOLE | W(D)- WATER-ABCWUA |
| TELEPHONE PEDESTAL | SD(D)- STORM DRAIN (SUE LEGEND: QUALITY C/D) |
| PROPERTY CORNER, EXISTING | SS(D)- SANITARY SEWER (SUE LEGEND: QUALITY C/D) |
| | SS- SANITARY SEWER |

POTHOLE TABLE						
PH #	STATION / OFF	UTILITY	SIZE	MATERIAL	ELEVATION	DEPTH
1	10+69.51 / 1.43'L	WATER	0.50'	PVC	4948.07	3.29'
2	11+27.37 / 0.17'R	COMMUNICATION	0.20' / 0.04'	PVC	4988.66	1.80'
3	12+19.75 / 8.08'L	WATER	0.50'	DUCTILE IRON	4948.46	3.24
4	12+88.28 / 22.03'L	UGE	4.0'	CONCRETE DUCT ELECTRIC	4948.88	3.84'
5	12+89.83 / 23.27'L	WATER	0.50'	STEEL WATER	4948.91	3.33
6	14+77.78 / 7.12'L	UGE	4.0'	CONCRETE DUCT ELECTRIC	4948.87	3.16'
7	15+37.44 / 3.82'L	GAS	0.20'	PE	4947.94	3.60'
8	16+75.71 / 16.00'L	WATER	0.50'	STEEL TEE WATER	4948.22	3.28
9	16+94.83 / 8.59'L	SAS	0.70'	PVC SANITARY SEWER	4948.71	3.28
10	17+62.13 / 4.20'R	GAS	0.15'	WRAPPED STEEL GAS	4948.48	2.46
11	18+62.14 / 29.69'L	SAS	NOT LOCATED	SANITARY SEWER SERVICE	NOT LOCATED	NOT LOCATED
12	18+62.14 / 29.69'R	SAS	NOT LOCATED	SANITARY SEWER SERVICE	NOT LOCATED	NOT LOCATED

A1 EXISTING UTILITIES

SCALE: 1" = 50'

UTILITY CONTACTS		UTILITY COMPANY CONTACTS	
RAEL, JANE	OFFICE PHONE: (505) 289-3087 OFFICE FAX: (505) 289-3060 CELL PHONE: (505) 259-5818 JRAEL@ABCWUA.ORG	ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY P.O. BOX 568 ALBUQUERQUE, NM 87103	
MOYER, MIKE	OFFICE PHONE: (505) 241-3697 OFFICE FAX: (505) 241-3415 CELL PHONE: (505) 249-5712 MIKEMOYER@PNM.COM	PNM ELECTRIC 4625 EDITH BLVD. NE ALBUQUERQUE, NM 87107	
HERRERA, JOE	OFFICE PHONE: (505) 697-6802 OFFICE FAX: (505) 344-0091 CELL PHONE: (505) 401-7642 JHERRERA@TECOENERGY.COM	NM GAS COMPANY 4625 EDITH BLVD. NE ALBUQUERQUE, NM 87107	
KELLY, SEAN	OFFICE PHONE: (505) 842-2838 OFFICE FAX: (505) 842-2890 CELL PHONE: (505) 200-1994 SK1561@ATT.COM	AT&T 111 3RD STREET NW ALBUQUERQUE, NM 87102	
MORTUS, MIKE	OFFICE PHONE: (505) 761-6252 OFFICE FAX: (505) 761-0599 CELL PHONE: (505) 269-4006 MIKE_MORTUS@CABLE.COMCAST.COM	COMCAST 4611 MONTBEL PLACE NE ALBUQUERQUE, NM 87107	
ADAMS, MARK	OFFICE PHONE: (505) 938-7326 CELL PHONE: (505) 238-0073 MARK.ADAMS@LEVEL3.COM	TW TELECOM OF NM LLC 3830 SINGER BLVD NE SUITE 2000 ALBUQUERQUE, NM 87109	
MARTINEZ, ROBERT	OFFICE PHONE: (505) 217-0038 OFFICE FAX: (505) 217-0048 CELL PHONE: (505) 228-3329 ROBERT.MARTINEZ@WINDSTREAM.COM	WINDSTREAM 505 MARQUETTE NW SUITE 1600 ALBUQUERQUE, NM 87102	
PAPPAS, DENNIS	OFFICE PHONE: (505) 245-6165 OFFICE FAX: (505) 889-6542 CELL PHONE: (970) 980-3730 DENNIS.PAPPAS@CENTURYLINK.COM	CENTURY LINK DIRECTOR-NETWORK OPS 4301 BOGAN NE ALBUQUERQUE, NM 87109	
MELENDREZ, JOHN	OFFICE PHONE: (505) 245-6124 JOHN.MELENDREZ@CENTURYLINK.COM	CENTURY LINK 400 TIJERAS AVE NW ALBUQUERQUE, NM 87102	

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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **IRON AVENUE STORM DRAIN IMPROVEMENTS**
EXISTING UTILITIES

DESIGN REVIEW COMMITTEE
OCT 02 2019

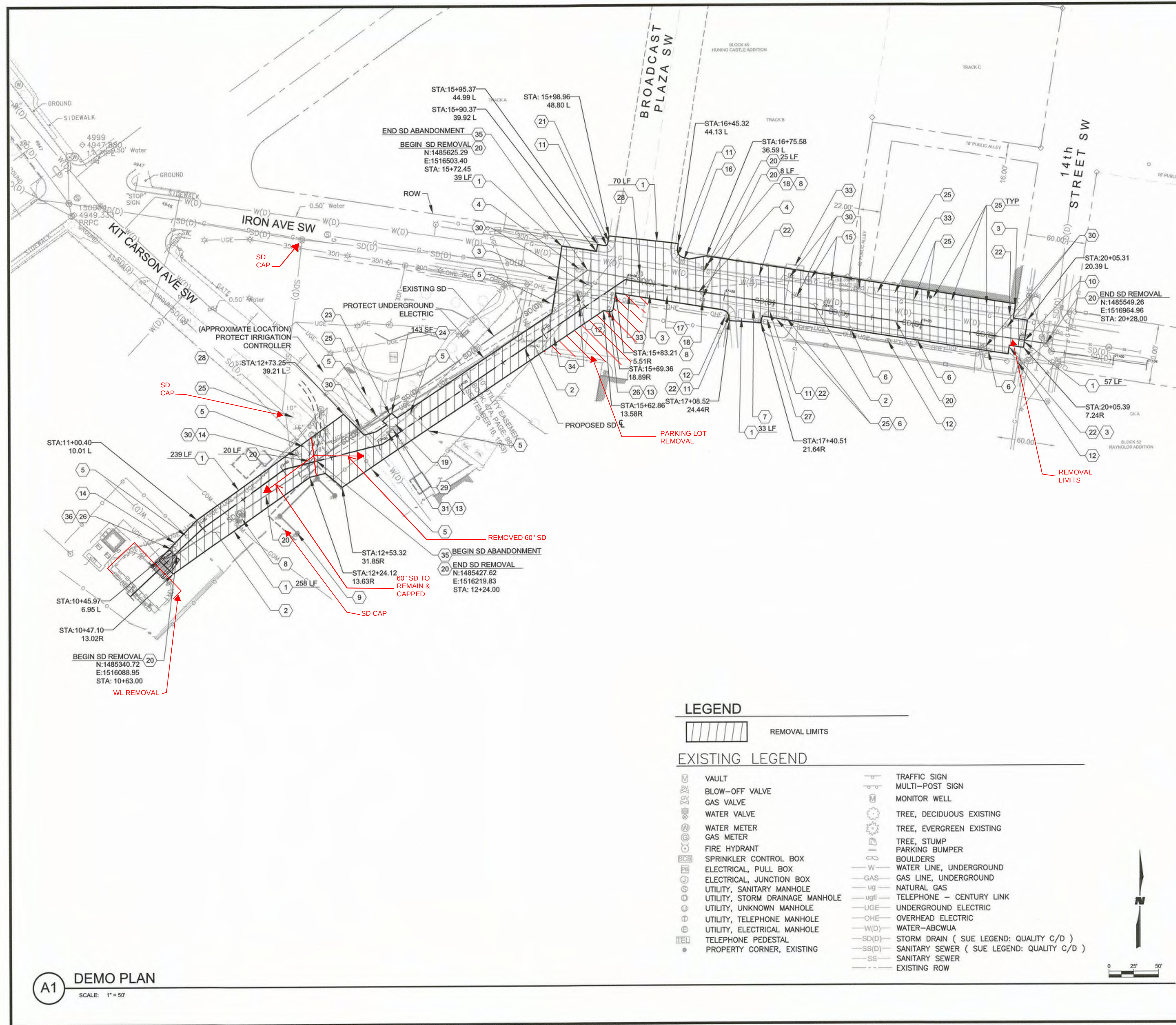
CITY ENGINEER
OCT 03 2018

City Project No. 796313 Zone Map No. K-13 Sheet 5 of 17

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	NO.	DATE	CONTRACTOR	DATE
				WILSON & COMPANY	
				INSPECTED BY	DATE
				ACCEPTANCE BY	DATE
				FIELD LOCATION BY	DATE
				DRAWINGS	DATE
				CONNECTED BY	DATE
				MICRO-FILM INFORMATION	DATE
				RECORDED BY	DATE
				NO.	



RECORD DRAWING
DATE 9-20-2019



- ### KEYNOTES
- SAWCUT NEAT LINE
 - REMOVE AND DISPOSE EXISTING ASPHALT
 - REMOVE AND DISPOSE EXISTING SIDEWALK TO NEAREST JOINT. CONTRACTOR TO FIELD VERIFY.
 - REMOVE AND DISPOSE EXISTING SD MANHOLE
 - SALVAGE AND REINSTALL EXISTING FENCE/GATE SEE SHEET 10 FOR DETAILS
 - CONTRACTOR TO PROTECT EXISTING OVERHEAD LIGHT POLES
 - REMOVE AND DISPOSE EXISTING CONCRETE VALLEY GUTTER
 - REMOVE EXISTING INLET
 - PROTECT EXISTING OVERHEAD STRUCTURE (HAY BARN) DURING CONSTRUCTION
 - REMOVE AND DISPOSE EXISTING 72" X 60" X 8' RCP REDUCER
 - REMOVE AND DISPOSE EXISTING CURB/SIDEWALK RAMP
 - CONTRACTOR TO PROTECT EXISTING POWER POLE AND /OR SERVICE DROP DURING CONSTRUCTION
 - REMOVE, SALVAGE, AND REINSTALL EXISTING SIGN
 - REMOVE AND SALVAGE EXISTING FIRE HYDRANT
 - PROTECT EXISTING GAS VAULT
 - REMOVE AND RELOCATE EXISTING FIRE HYDRANT DURING CONSTRUCTION. CAP EXISTING 6" WATERLINE
 - REMOVE, SALVAGE AND RESET EXISTING RAILROAD TIES
 - REMOVE AND REPLACE DROP INLETS WITH TYPE "A" INLETS
 - REMOVE, SALVAGE, AND RESET EXISTING BENCH
 - REMOVE AND DISPOSE EXISTING SD PIPE
 - REMOVE, SALVAGE, AND REPLACE EXISTING STOP SIGN
 - REMOVE AND DISPOSE EXISTING STANDARD C&G CONTRACTOR TO FIELD VERIFY LIMITS
 - REMOVE, SALVAGE, AND REPLACE EXISTING DOG BAG PEDESTAL
 - REMOVE PCC
 - CONTRACTOR TO PROTECT EXISTING TREES/ LANDSCAPE DURING CONSTRUCTION
 - REMOVE, SALVAGE AND RELOCATE EXISTING LIGHT POLE
 - REMOVE, SALVAGE AND RELOCATE EXISTING PULL BOX CONTRACTOR TO COORDINATE WITH PNM
 - REMOVE AND DISPOSE EXISTING SD MH AND RCP TO NEAREST JOINT
 - REMOVE , SALVAGE, AND RELOCATE EXISTING ELECTRICAL BOX AND LIGHT POLE
 - ADJUST EXISTING VALVES AND MANHOLES TO PROPOSED FINISHED GRADE PER COA STD. DWG. 2460 AND 2461
 - REMOVE, SALVAGE AND RESET PEDESTRIAN GATE SEE SHEET 10 FOR DETAILS
 - REMOVE, SALVAGE, AND REPLACE EXISTING BASE COURSE
 - REMOVE AND RECONSTRUCT DRIVEPAD
 - REMOVE AND DISPOSE EXISTING HEADER CURB PER COA STD DWG 2415B
 - ABANDON EXISTING SD PIPE IN PLACE FILL PIPE WITH LEANFILL
 - REMOVE EXISTING GUARD RAIL

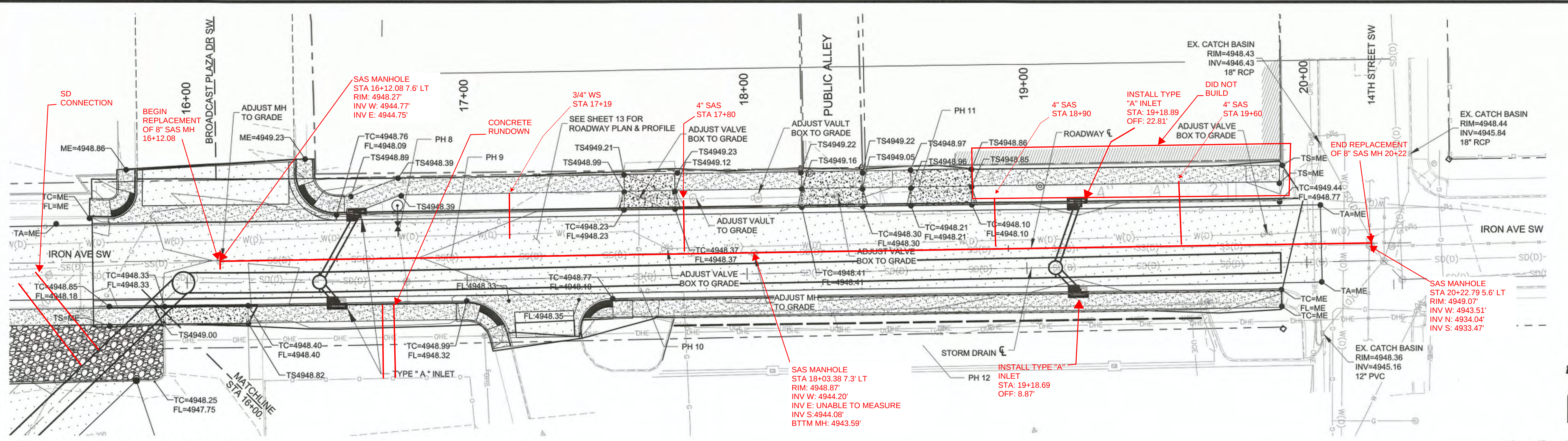
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ENGINEERING DIVISION

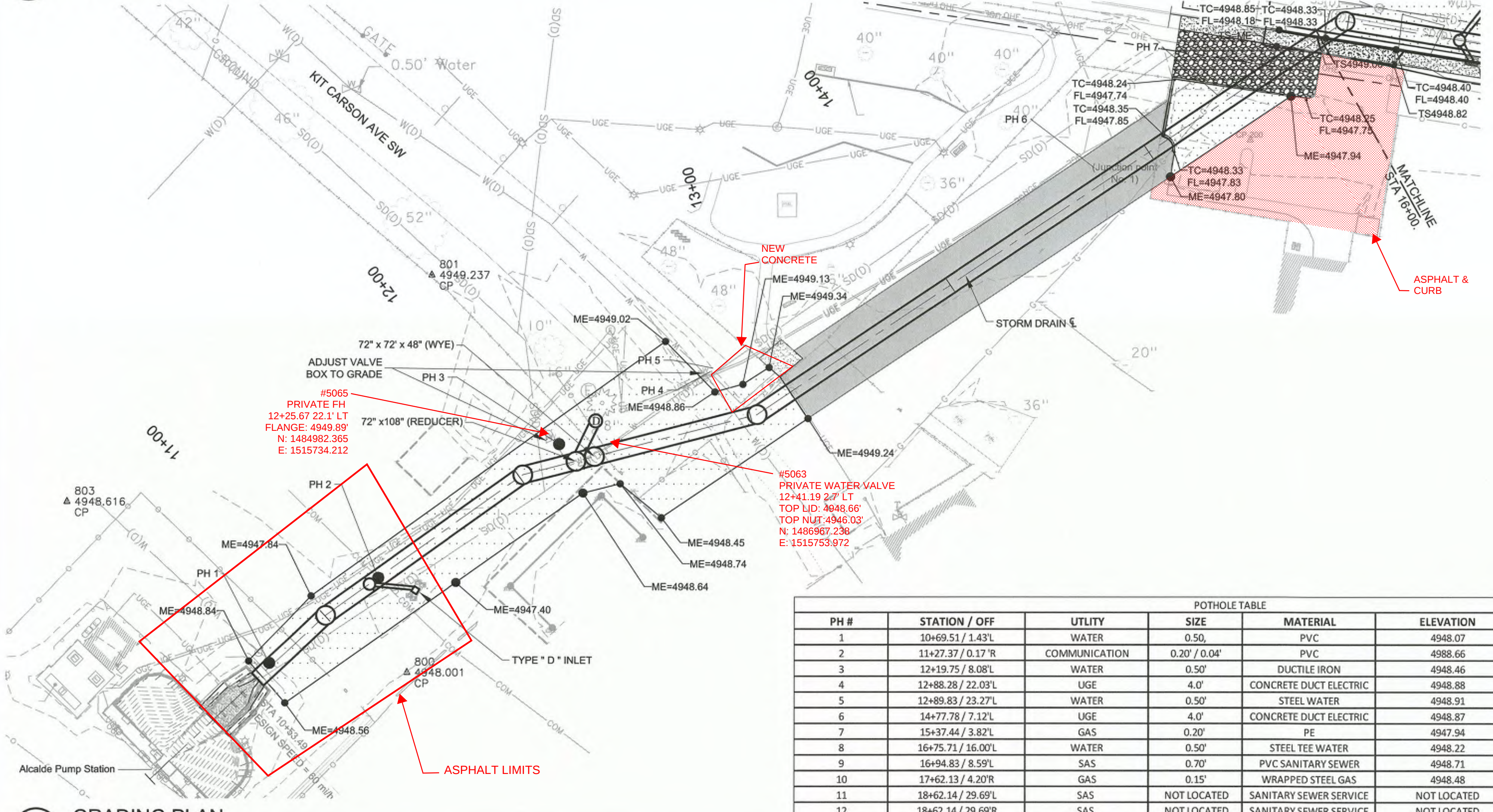
TITLE: **IRON AVENUE STORM DRAIN IMPROVEMENTS DEMO PLAN**

Design Review Committee	City Engineer Approval

City Project No.	796313	Zone Map No.	K-13	Sheet	6	Of	17
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F1 GRADING PLAN IRON AVE
SCALE: 1" = 20'



A1 GRADING PLAN
SCALE: 1" = 30'

POTHOLE TABLE						
PH #	STATION / OFF	UTILITY	SIZE	MATERIAL	ELEVATION	DEPTH
1	10+69.51 / 1.43'L	WATER	0.50'	PVC	4948.07	3.29'
2	11+27.37 / 0.17'R	COMMUNICATION	0.20' / 0.04'	PVC	4988.66	1.80'
3	12+19.75 / 8.08'L	WATER	0.50'	DUCTILE IRON	4948.46	3.24'
4	12+88.28 / 22.03'L	UGE	4.0'	CONCRETE DUCT ELECTRIC	4948.88	3.84'
5	12+89.83 / 23.27'L	WATER	0.50'	STEEL WATER	4948.91	3.33'
6	14+77.78 / 7.12'L	UGE	4.0'	CONCRETE DUCT ELECTRIC	4948.87	3.16'
7	15+37.44 / 3.82'L	GAS	0.20'	PE	4947.94	3.60'
8	16+75.71 / 16.00'L	WATER	0.50'	STEEL TEE WATER	4948.22	3.28'
9	16+94.83 / 8.59'L	SAS	0.70'	PVC SANITARY SEWER	4948.71	3.28'
10	17+62.13 / 4.20'R	GAS	0.15'	WRAPPED STEEL GAS	4948.48	2.46'
11	18+62.14 / 29.69'L	SAS	NOT LOCATED	SANITARY SEWER SERVICE	NOT LOCATED	NOT LOCATED
12	18+62.14 / 29.69'R	SAS	NOT LOCATED	SANITARY SEWER SERVICE	NOT LOCATED	NOT LOCATED

- LEGEND**
- TC TOP OF CURB
 - TS TOP OF SIDEWALK
 - TA TOP OF ASPHALT
 - FL FLOWLINE
 - FG FINISHED GRADE
 - ME MATCH EXISTING
 - PROPOSED ASPHALT
 - PROPOSED CONCRETE
 - PROPOSED 6" PCC
 - GRAVEL (MATCH EXISTING)
 - BASE COURSE
 - EXISTING ROW

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DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **IRON AVENUE STORM DRAIN IMPROVEMENTS**
GRADING PLAN

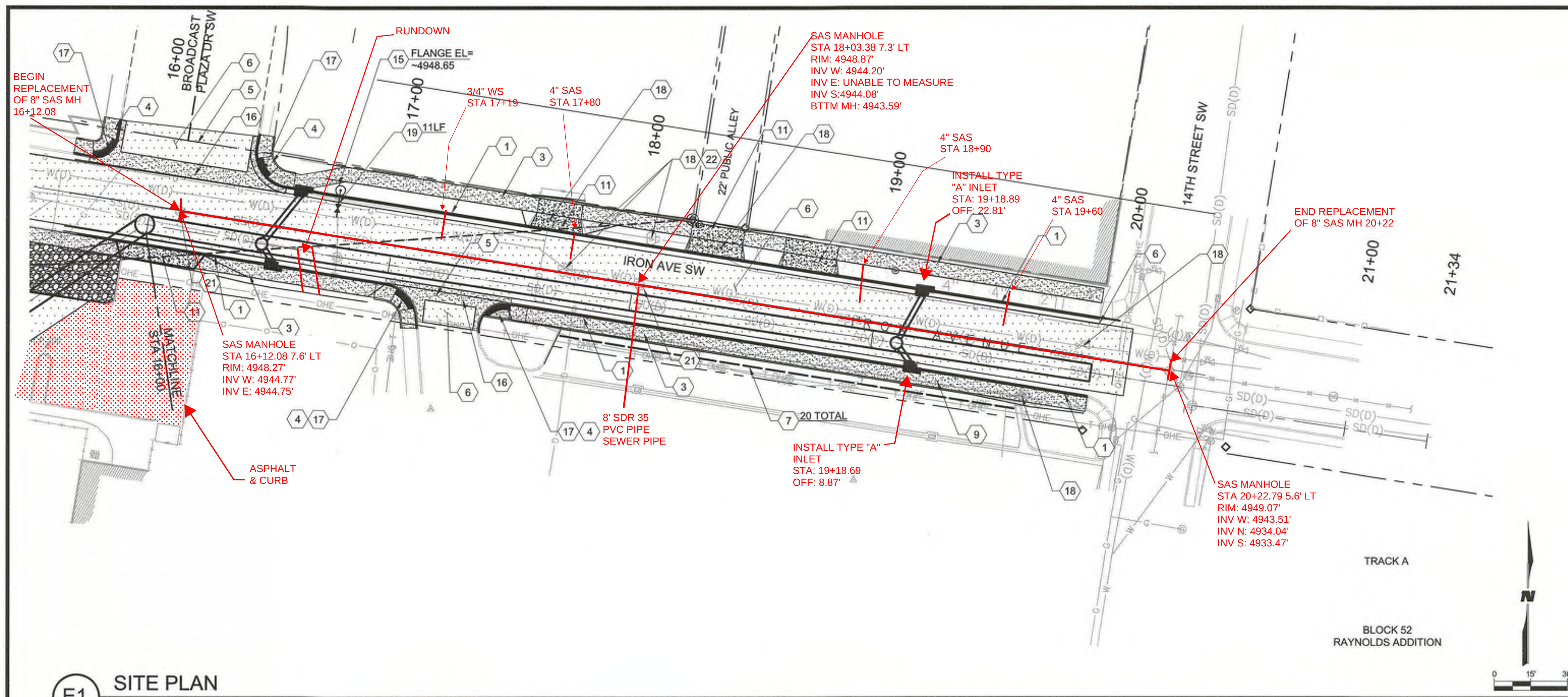
DESIGN REVIEW COMMITTEE
OCT 02 2019

CITY ENGINEER
OCT 03 2018

DESIGNED BY: JEL
DRAWN BY: MTR
CHECKED BY: TJA

DATE: MARCH 2018
DATE: MARCH 2018
DATE: MARCH 2018

Zone Map No. K-13
Sheet 8 of 17



E1 SITE PLAN
SCALE: 1" = 30'

KEYNOTES

1. CONSTRUCT STANDARD CURB AND GUTTER PER COA STD DWG 2415A
2. CONSTRUCT HEADER CURB PER COA STD DWG 2415B
3. CONSTRUCT 6'-0" WIDE SIDEWALK PER COA STD DWG 2430
4. CONSTRUCT ADA RAMP PER COA STD DWG 2441. SEE SHEET 14 FOR ELEVATIONS
5. CONSTRUCT PRIVATE ENTRANCE PER COA STD DWG 2426
6. CONSTRUCT ASPHALT PAVEMENT. SEE SHEET 7
7. INSTALL CONCRETE WHEEL STOPS. SEE DETAIL SHEET 14
8. SEE FENCING PLAN SHEET 10 FOR FENCE & GATE REPLACEMENT
9. CONSTRUCT 6'-0" WIDE TURNDOWN SIDEWALK PER DETAIL SHEET 14 SEE TYPICAL SECTION
10. EXISTING SD REMOVAL TRENCH TO BE BACKFILL COMPACTED TO 95% MIN. PER SECTION 701
11. CONSTRUCT DRIVEPAD PER COA STD DWG 2425
12. CONSTRUCT 4" PCC DOG PARK ENTRANCE AND WALKWAY
13. INSTALL GRAVEL INCLUDING FILTER FABRIC, MATCH EXISTING SIZE, COLOR AND TYPE. MIRAFI 140N OR APPROVED EQUAL TO
14. INSTALL BASECOURSE INCLUDING FILTER FABRIC, MATCH EXISTING SIZE, COLOR AND TYPE
15. NEW LOCATION FOR EXISTING FIRE HYDRANT, INSTALL PER COA STD DWG 2340.
16. CONSTRUCT VALLEY GUTTER SEE SHEET 14
17. INSTALL DETECTABLE WARNING SURFACE CAST-IN-PLACE, REPLACEABLE
18. ADJUST ALL VALVE AND METER BOX TO GRADE
19. INSTALL 6" C-900 PVC PIPE TO HYDRANT PER COA STD DWG 2340
20. RESET EXISTING FIRE HYDRANT
21. ADJUST EXISTING MH TO GRADE
22. ADJUST VAULT BOX TO GRADE

LEGEND

- PROPOSED ASPHALT
- PROPOSED CONCRETE
- PROPOSED 6" PCC DRIVEPAD
- PROPOSED GRAVEL
- PROPOSED BASE COURSE
- EXISTING ROW

AS BUILT INFORMATION		BENCH MARK		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		DATE	
CONTRACTOR	DATE	DATE	DATE	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	DATE	DATE
CONTRACTOR	DATE	DATE	DATE	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	DATE	DATE
INSPECTOR	DATE	DATE	DATE	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	DATE	DATE
ACCEPTANCE BY	DATE	DATE	DATE	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	DATE	DATE
PERMIT BY	DATE	DATE	DATE	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	DATE	DATE
DRAWINGS	DATE	DATE	DATE	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	DATE	DATE
CONTRACT BY	DATE	DATE	DATE	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	DATE	DATE
RECORDED BY	DATE	DATE	DATE	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	DATE	DATE
NO.	DATE	DATE	DATE	NO.	BY	NO.	DATE	NO.	DATE	NO.	DATE	DATE	DATE



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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION
TITLE: **IRON AVENUE STORM DRAIN IMPROVEMENTS**
SITE PLAN

Design Review Committee
APPROVED
OCT 02 2019
DESIGN REVIEW COMMITTEE

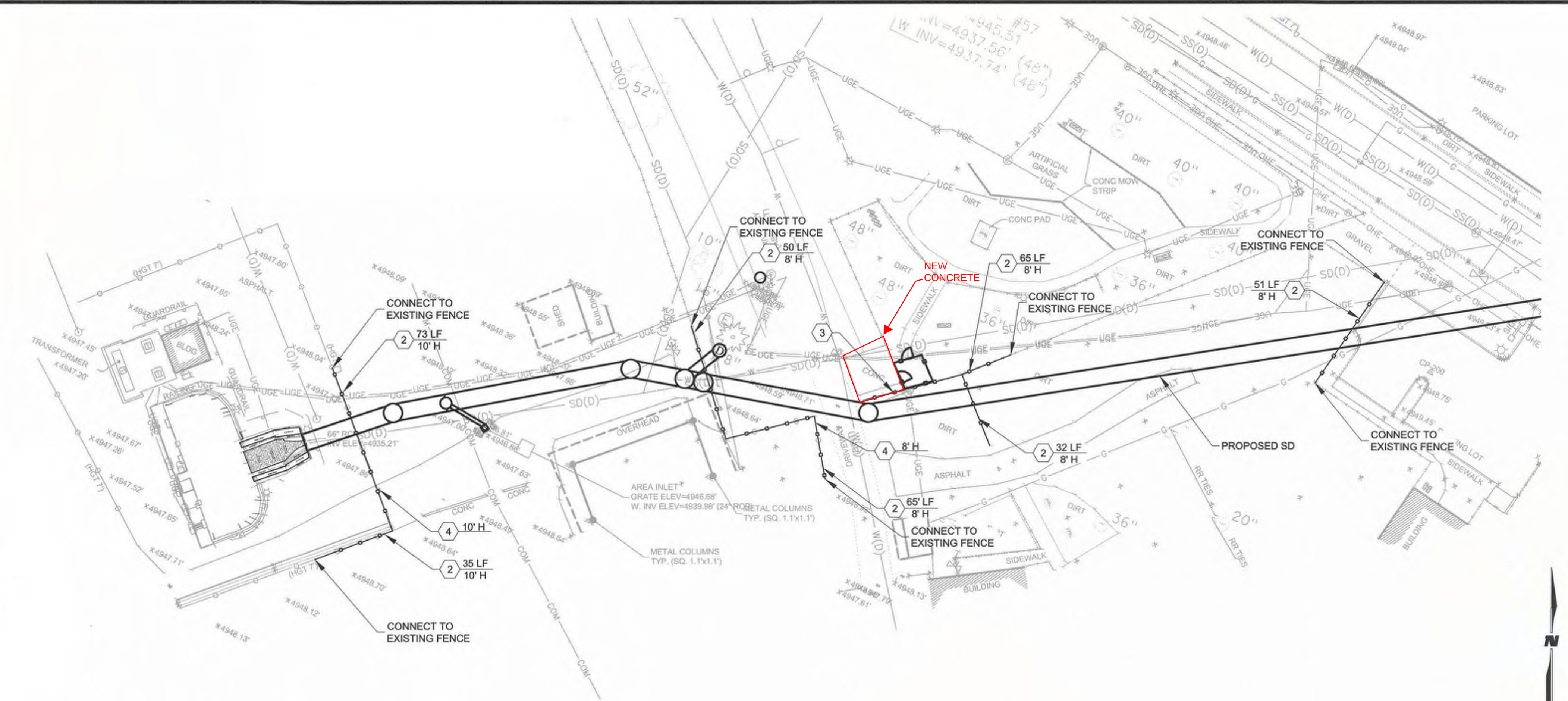
City Engineer Approval
APPROVED
OCT 03 2018
CITY ENGINEER

Last Design Update

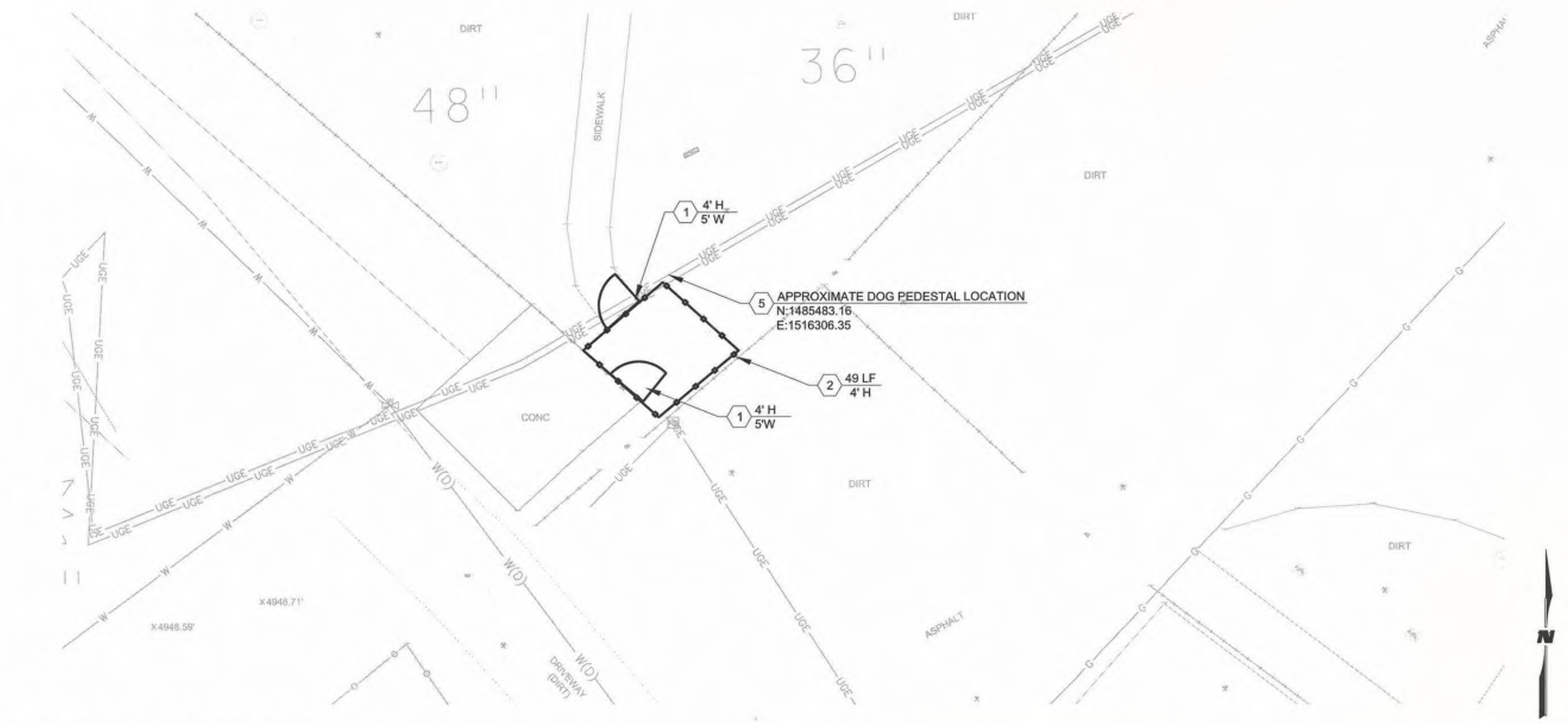
Mo./Day/Yr.

Mo./Day/Yr.

City Project No. 796313 Zone Map No. K-13 Sheet 9 Of 17



E1 FENCING PLAN
SCALE: 1" = 30'



A1 DOG PARK FENCE PLAN
SCALE: 1" = 10'

- KEYNOTES
- RESET EXISTING GATE TO DOG PARK
 - INSTALL CHAIN LINK FENCE PER COA STD DWG 2252
 - RESET PEDESTRIAN ACCESS GATE
 - CONSTRUCT CHAIN LINK GATE PER COA STD DWG 2252
 - RESET DOGGIE BAG PEDESTAL

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ENGINEERING DIVISION
TITLE: IRON AVENUE STORM DRAIN IMPROVEMENTS
FENCING PLAN

Design Review Committee
APPROVED
OCT 02 2019
DESIGN REVIEW COMMITTEE

City Engineer Approval
APPROVED
OCT 03 2018
CITY ENGINEER

Last Design Update

NO.	DATE	REMARKS	BY
1	MARCH 2018	DESIGN	JEL
2	MARCH 2018	REVISIONS	MTR
3	MARCH 2018	DESIGN	TJA

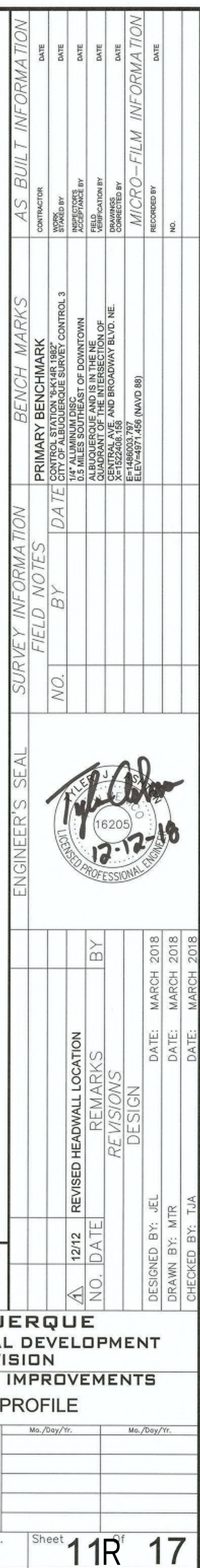
DESIGNED BY: JEL
DRAWN BY: MTR
CHECKED BY: TJA

City Project No. 796313

Zone Map No. K-13

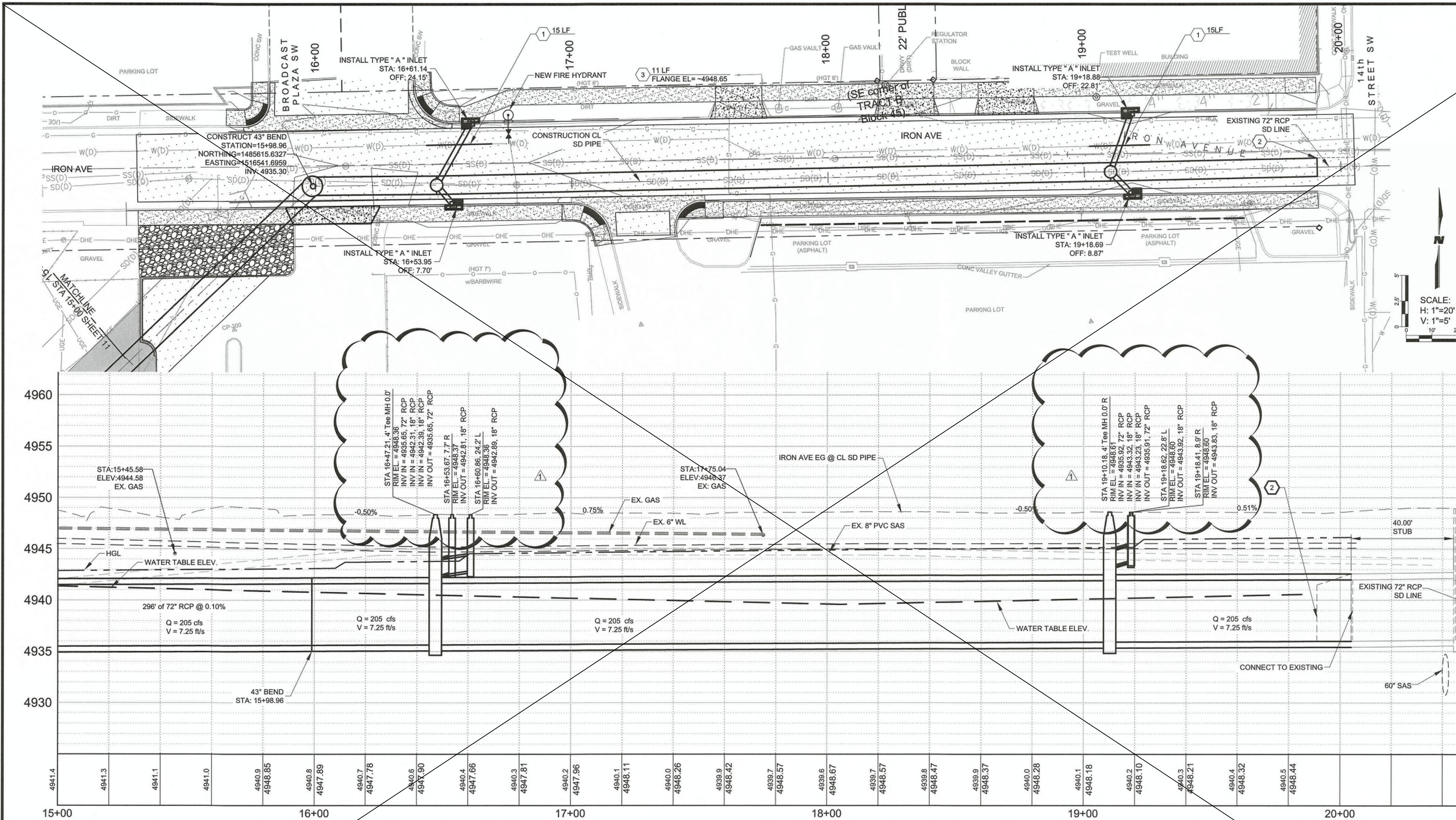
Sheet 10 Of 17

RECORD DRAWING
DATE 9-20-2019



	WILSON & COMPANY 4401 MASTHEAD ST. NE. SUITE 150 ALBUQUERQUE, NM 87109 PHONE: 505-348-4000 FAX: 505-348-4072 www.wilsonco.com	12/11/13 A NO. 1A	DESIGNED BY DRAWN BY CHECKED BY
 CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION			
TITLE: IRON AVENUE STORM DRAIN IMPROVEMENTS STORM DRAIN PLAN & PROFILE			
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of
796313	K-13	11R	17

RECORD DRAWING
DATE 9-20-2019



KEYED NOTES

1. RELOCATE WATER LINE PER STD DWG 2381
2. REMOVE EXISTING REDUCER
3. INSTALL 6" WATER LINE PER COA STD DWG 2340
4. NEW FIRE HYDRANT PER STD DWG 2340

LEGEND

- PROPOSED ASPHALT
- PROPOSED CONCRETE
- PROPOSED 6" PCC DRIVEPAD
- PROPOSED GRAVEL
- PROPOSED BASE COURSE
- EXISTING ROW



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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: IRON AVENUE STORM DRAIN IMPROVEMENTS
STORM DRAIN PLAN & PROFILE

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

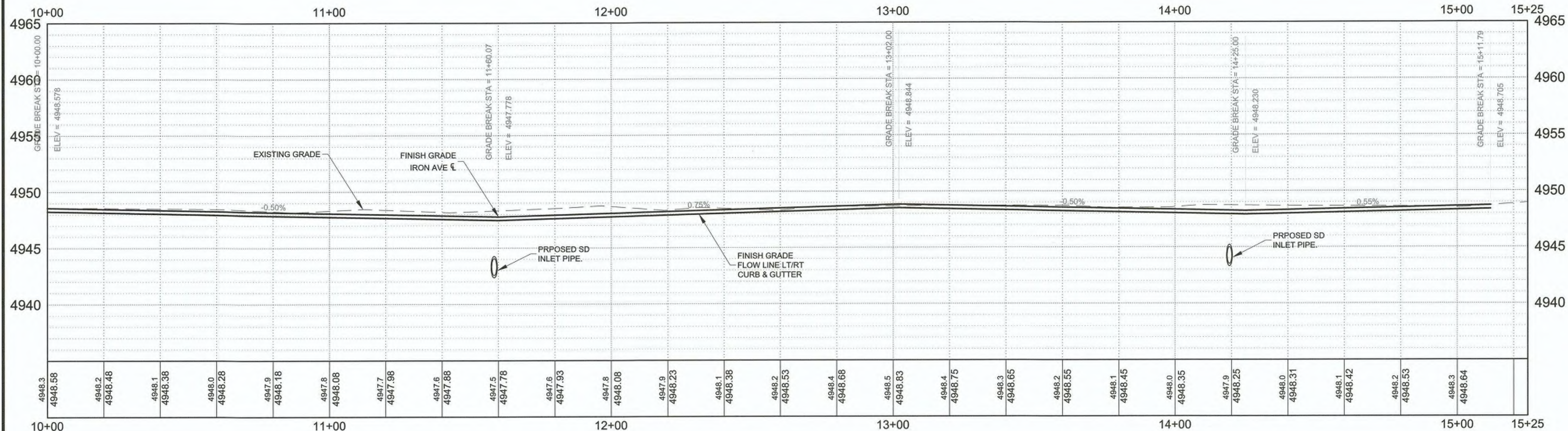
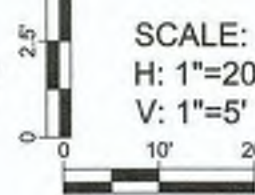
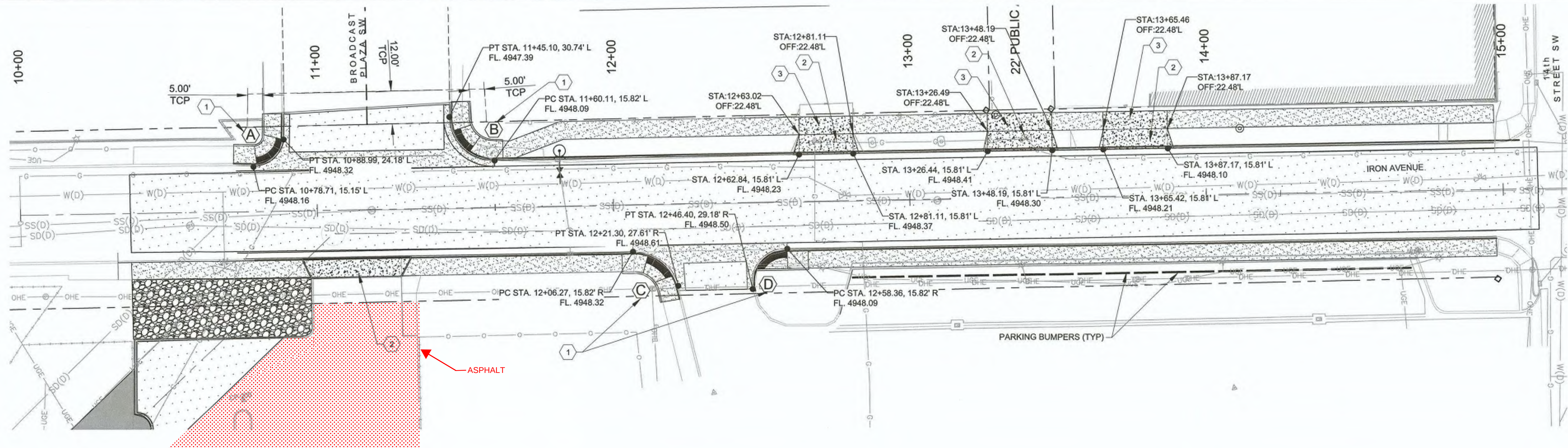
City Project No. 796313 Zone Map No. K-13 Sheet 12 Of 17

RECORD DRAWING
DATE 9-20-2019



NO.	DATE	BY	REVISIONS
1	12/12	JEL	DESIGN
2	12/12	MTR	REVISIONS
3	12/12	TJA	REVISIONS

AS-BUILT INFORMATION	
CONTRACTOR	DATE
WORKS PERFORMED BY	DATE
INSPECTED BY	DATE
FIELD VERIFICATION BY	DATE
RECORDED BY	DATE
MICRO-FILM INFORMATION	
NO.	DATE



KEYED NOTES

- SEE SHEET 14 FOR ADA RAMP DETAILS AND RETURN DATA FOR A - D
- RECONSTRUCT DRIVE PAD SEE DETAIL SHEET 14
- 6" PCC SIDEWALK TO BE INSTALLED SEE DETAIL SHEET 14

LEGEND

- PROPOSED ASPHALT
- PROPOSED CONCRETE
- PROPOSED 6" PCC DRIVEPAD
- PROPOSED GRAVEL
- PROPOSED BASE COURSE
- EXISTING ROW

WILSON & COMPANY
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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: **IRON AVENUE STORM DRAIN IMPROVEMENTS**

ROADWAY PLAN & PROFILE

DESIGNED BY: JEL
DRAWN BY: MTR
CHECKED BY: TJA

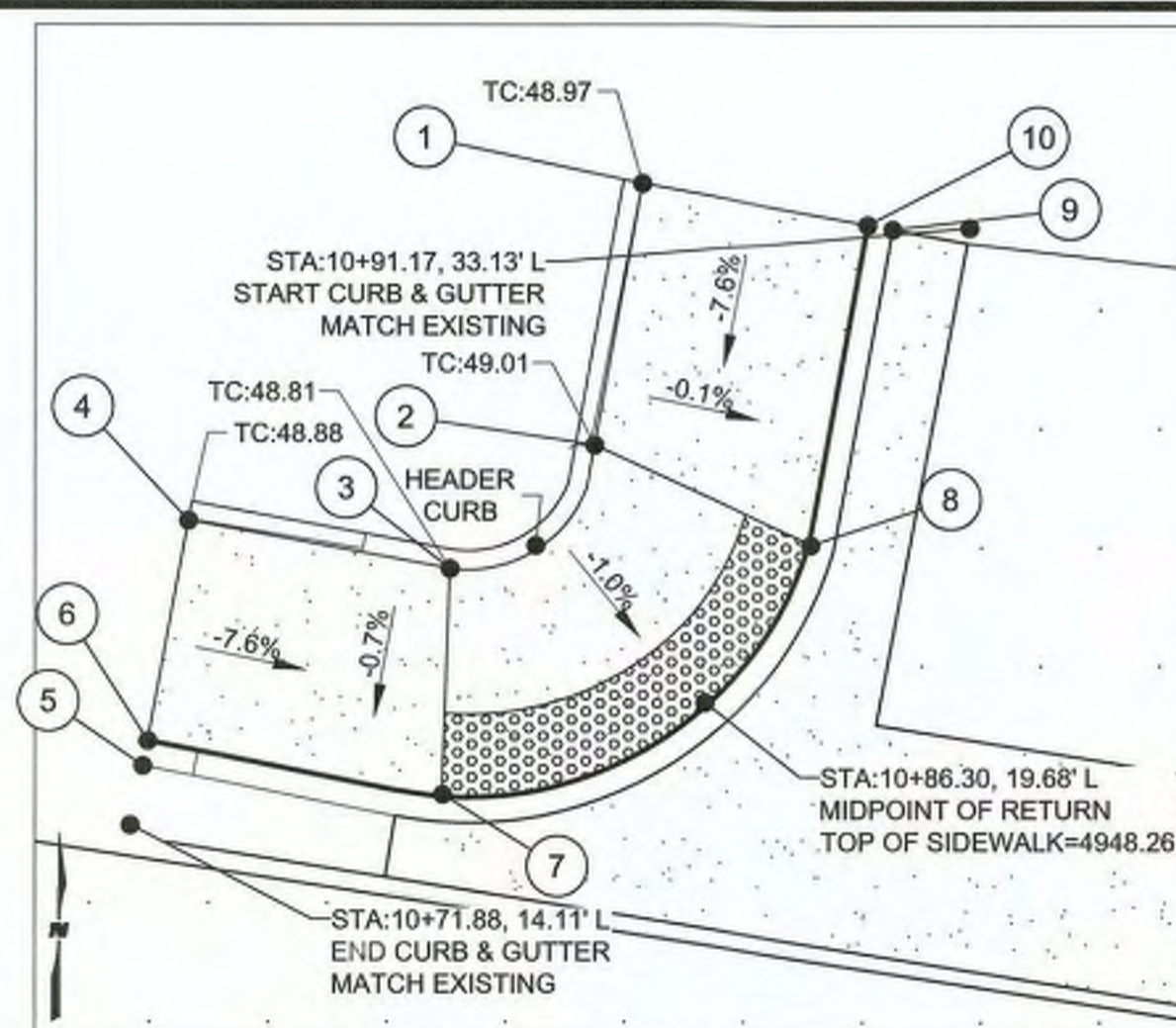
REVISIONS
DATE: MARCH 2018
DATE: MARCH 2018
DATE: MARCH 2018

City Project No. 796313

Zone Map No. K-13

Sheet 13 Of 17

RECORD DRAWING
DATE 9-20-2019

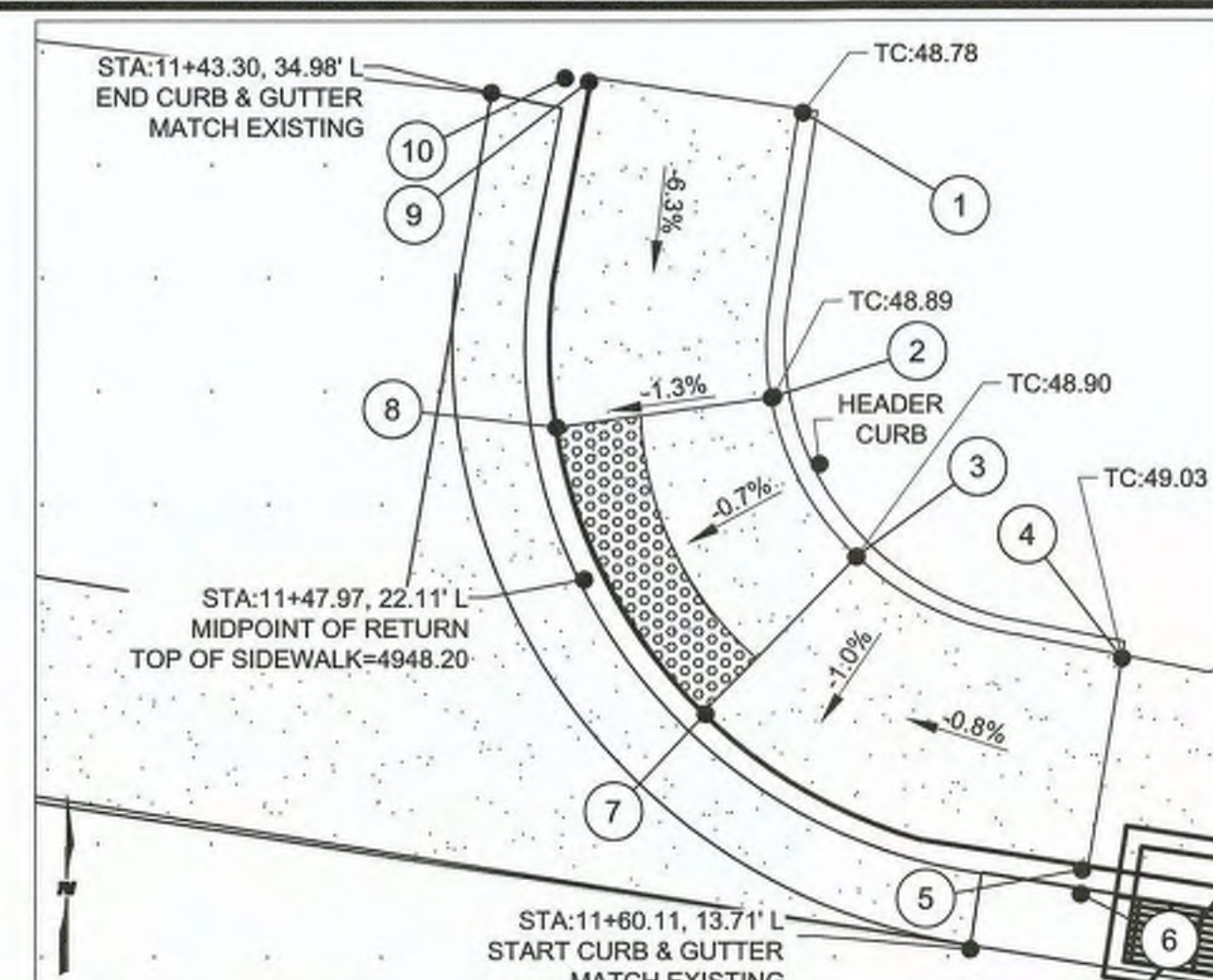


ADA RAMP A

A BACK OF CURB AND GUTTER
 $\Delta = 84^{\circ}41'49''$
 $R = 10'$
 $L = 14.78'$
 $T = 9.11'$
RADIUS POINT:
 STA 10+79.16, 25.40' LT

NO.	STATION	OFFSET	ELEVATIONS	REMARKS
1	10+82.50	33.32'L	4948.97	TOP OF SIDEWALK
2	10+82.35	26.33'L	4948.41	TOP OF SIDEWALK
3	10+79.11	22.52'L	4948.25	TOP OF SIDEWALK
4	10+72.12	22.68'L	4948.77	TOP OF SIDEWALK
5	10+71.96	16.11'L	4948.16	FLOWLINE OF CURB AND GUTTER
6	10+71.98	16.78'L	4948.79	TOP OF CURB AND GUTTER
7	10+79.85	16.59'L	4948.16	TOP OF SIDEWALK
8	10+88.32	24.67'L	4948.32	TOP OF SIDEWALK
9	10+89.17	33.18'L	4948.07	FLOWLINE OF CURB AND GUTTER
10	10+88.50	33.20'L	4948.88	TOP OF CURB AND GUTTER

*SEE SHEET 13 FOR LOCATION

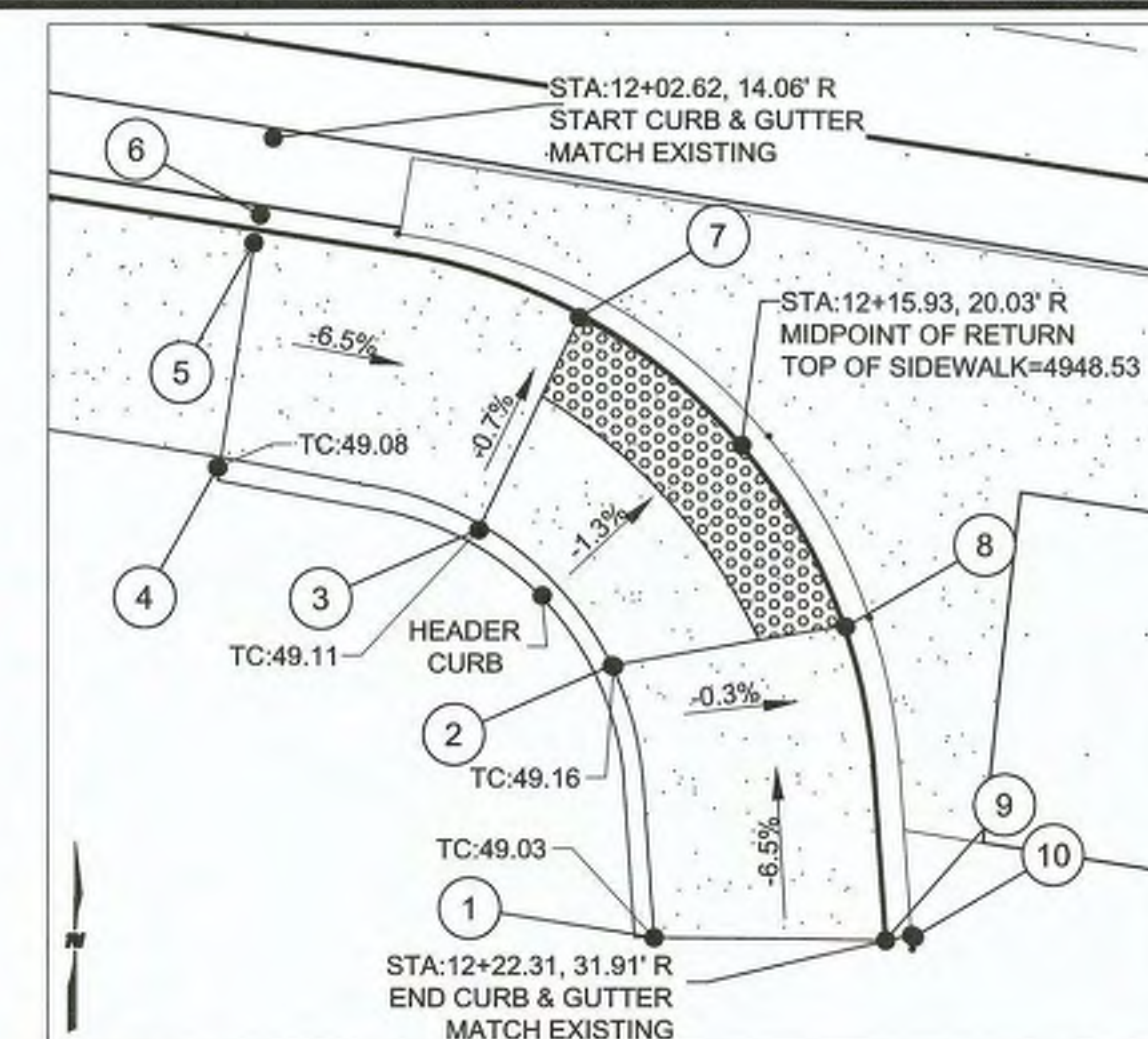


ADA RAMP B

B BACK OF CURB AND GUTTER
 $\Delta = 87^{\circ}11'28''$
 $R = 15'$
 $L = 22.83'$
 $T = 14.28'$
RADIUS POINT:
 STA 11+57.42, 27.93' LT

NO.	STATION	OFFSET	ELEVATIONS	REMARKS
1	11+51.87	35.81'L	4948.91	TOP OF SIDEWALK
2	11+52.27	27.91'L	4948.4	TOP OF SIDEWALK
3	11+55.22	23.96'L	4948.54	TOP OF SIDEWALK
4	11+62.97	22.32'L	4949.03	TOP OF SIDEWALK
5	11+62.81	16.38'L	4948.95	TOP OF CURB AND GUTTER
6	11+62.88	15.71'L	4948.28	FLOWLINE OF CURB AND GUTTER
7	11+51.88	18.99'L	4948.45	TOP OF SIDEWALK
8	11+46.54	26.15'L	4948.31	TOP OF SIDEWALK
9	11+45.91	35.73'L	4948.69	TOP OF CURB AND GUTTER
10	11+45.24	35.72'L	4948.02	FLOWLINE OF CURB AND GUTTER

*SEE SHEET 13 FOR LOCATION

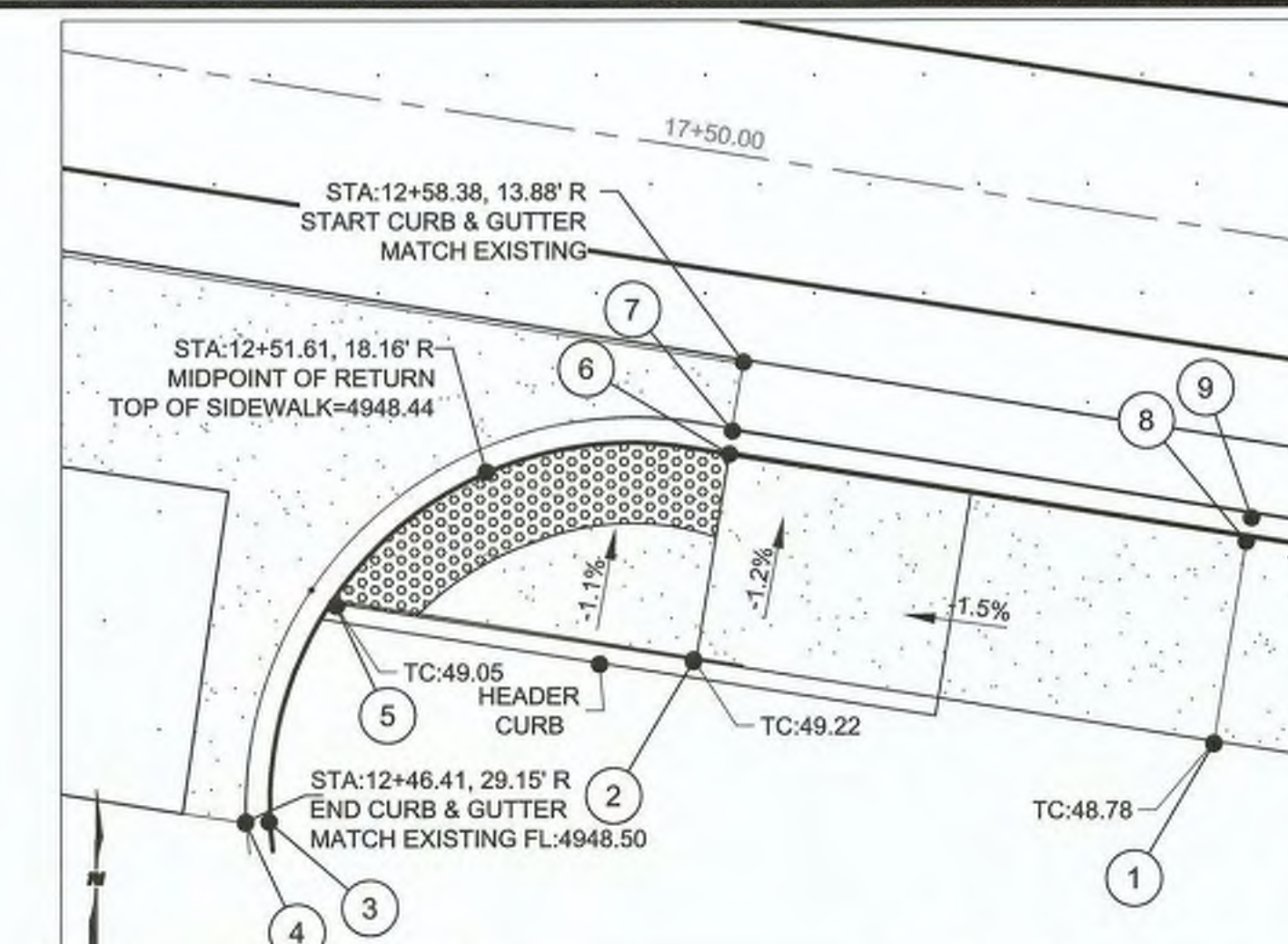


ADA RAMP C

C BACK OF CURB AND GUTTER
 $\Delta = 78^{\circ}29'59''$
 $R = 15'$
 $L = 20.55'$
 $T = 12.26'$
RADIUS POINT:
 STA 12+06.75, 30.94' RT

NO.	STATION	OFFSET	ELEVATIONS	REMARKS
1	12+15.72	33.02'R	4949.03	TOP OF SIDEWALK
2	12+13.52	26.20'R	4948.56	TOP OF SIDEWALK
3	12+09.55	23.16'R	4948.63	TOP OF SIDEWALK
4	12+02.55	22.73'R	4949.08	TOP OF SIDEWALK
5	12+02.61	16.73'R	4948.02	TOP OF CURB AND GUTTER
6	12+02.60	16.06'R	4948.32	FLOWLINE OF CURB AND GUTTER
7	12+11.23	17.39'R	4948.59	TOP OF SIDEWALK
8	12+19.34	24.23'R	4948.57	TOP OF SIDEWALK
9	12+21.62	32.12'R	4948.98	TOP OF CURB AND GUTTER
10	12+22.30	31.93'R	4948.54	FLOWLINE OF CURB AND GUTTER

*SEE SHEET 13 FOR LOCATION

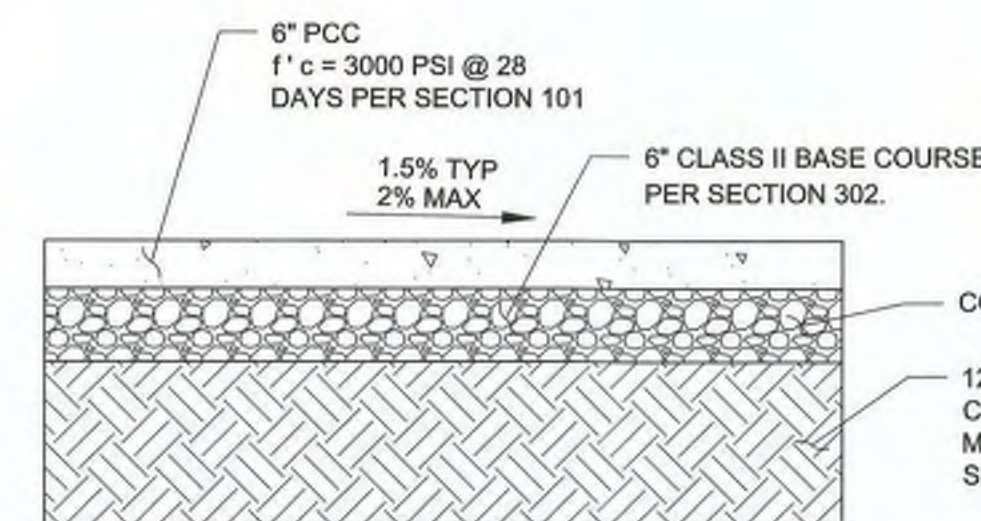


ADA RAMP D

D) BACK OF CURB AND GUTTER
 $\Delta = 101^{\circ}31'04''$
 $R = 11'$
 $L = 19.49'$
 $T = 13.47'$
RADIUS POINT:
 STA 12+57.20, 26.85' RT

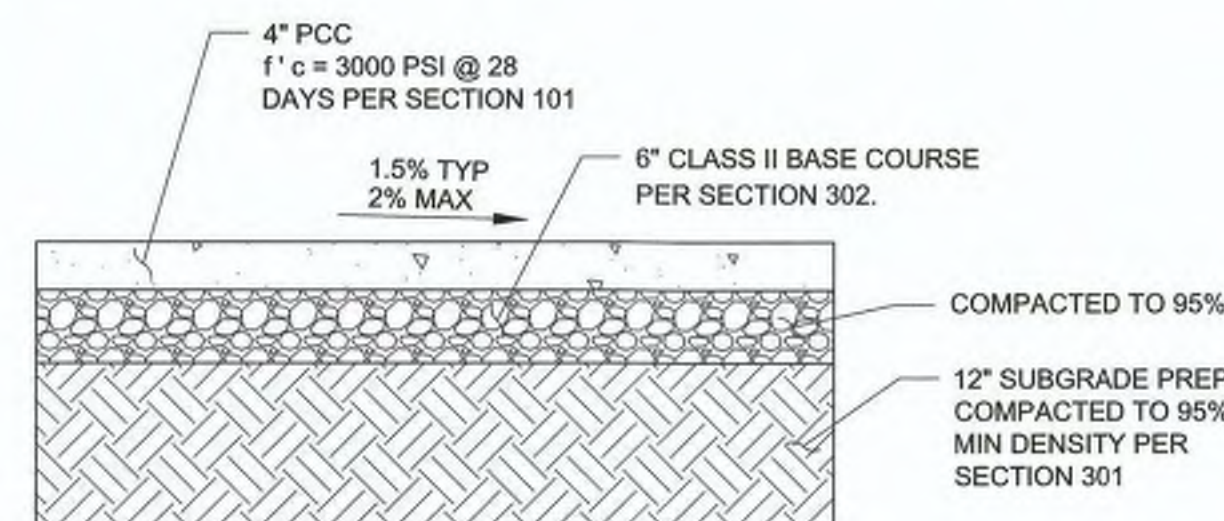
NO.	STATION	OFFSET	ELEVATIONS	REMARKS
1	12+73.42	22.69'R	4948.78	TOP OF SIDEWALK
2	12+58.42	22.58'R	4948.55	TOP OF SIDEWALK
3	12+47.06	29.02'R	4949.17	TOP OF CURB AND GUTTER
4	12+46.41	29.15'R	4948.5	FLOWLINE OF CURB AND GUTTER
5	12+47.81	22.55'R	4948.46	TOP OF SIDEWALK
6	12+58.40	16.52'R	4947.79	TOP OF SIDEWALK
7	12+58.38	15.85'R	4947.79	FLOWLINE OF CURB AND GUTTER
8	12+73.41	16.69'R	4948.72	TOP OF CURB AND GUTTER
9	12+73.44	15.93'R	4948.36	FLOWLINE OF CURB AND GUTTER

*SEE SHEET 13 FOR LOCATION



6" PCC SIDEWALK DETAIL

SCALE: NTS



4" PCC SIDEWALK DETAIL

SCALE: NTS

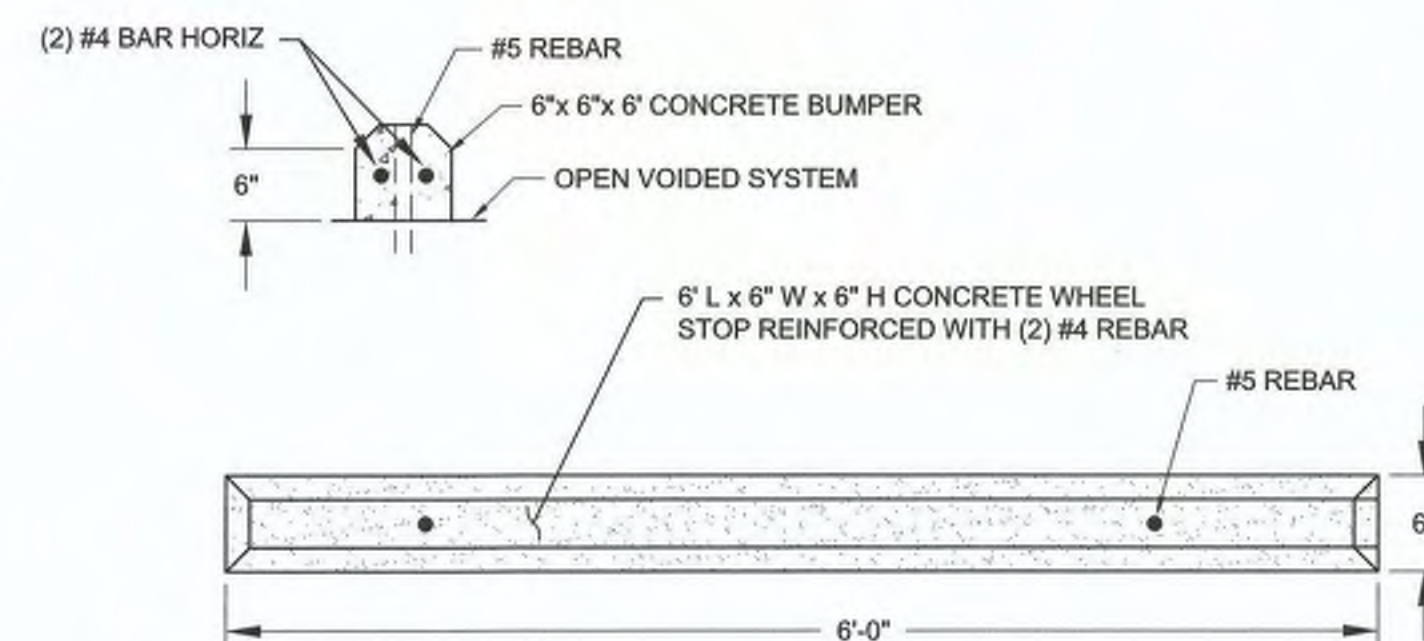
PCC SIDEWALK CONSTRUCTION NOTES

1 WHEN ABUTTING TO VERTICAL WALLS, BENCHES OR BUILDINGS, INSTALL ½" BITUMINOUS EXPANSION JOINT. RECESS ½" VERTICALLY. INSTALL SIKAFLEX POLYMER SEALANT OR APPROVED EQUAL PER SECTION 107 (TYP)

2 EXPANSION JOINTS SHALL BE SPACED 40' MAX

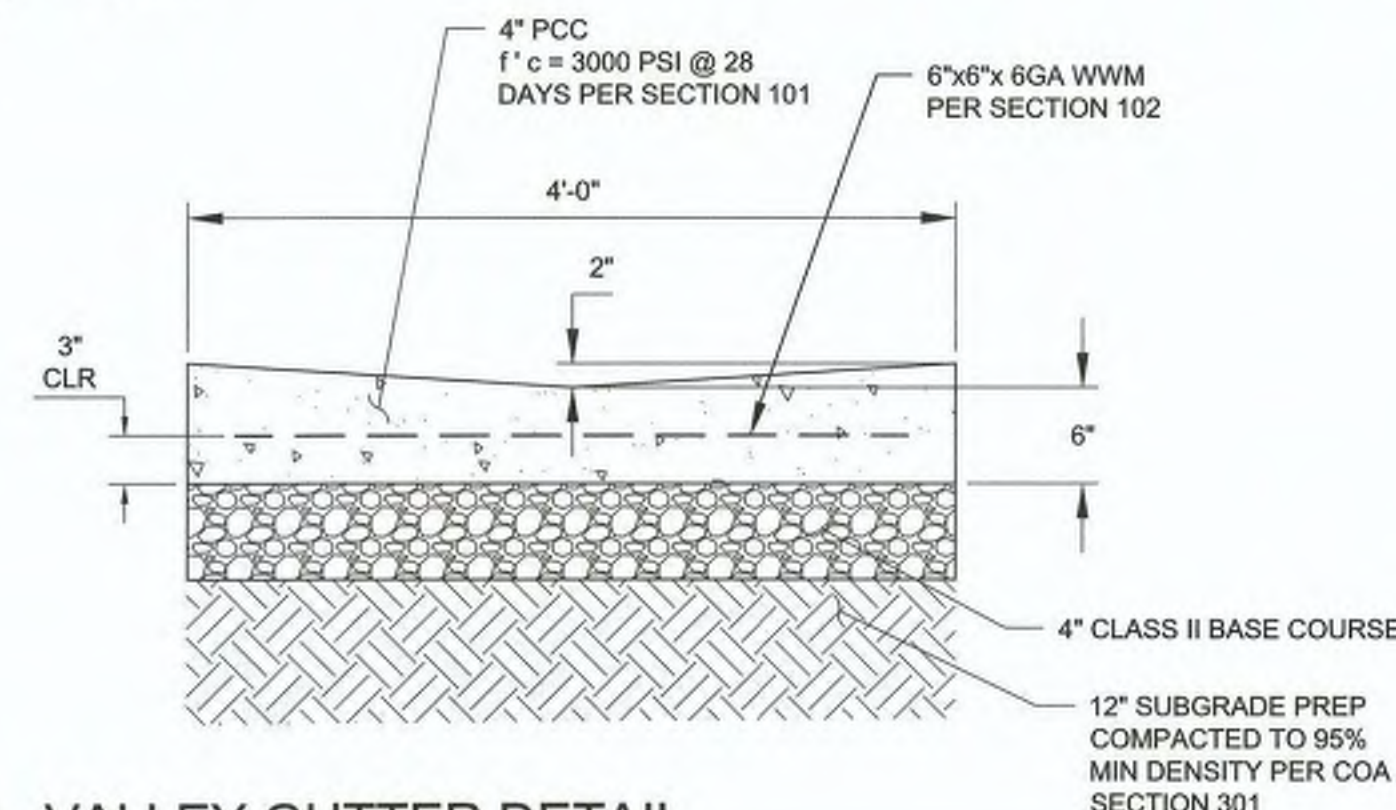
3 INSTALL CONTRACTION JOINTS AT 6'-0" OC

4 LIGHT BROOM FINISHED CONCRETE SURFACE REQUIRED.



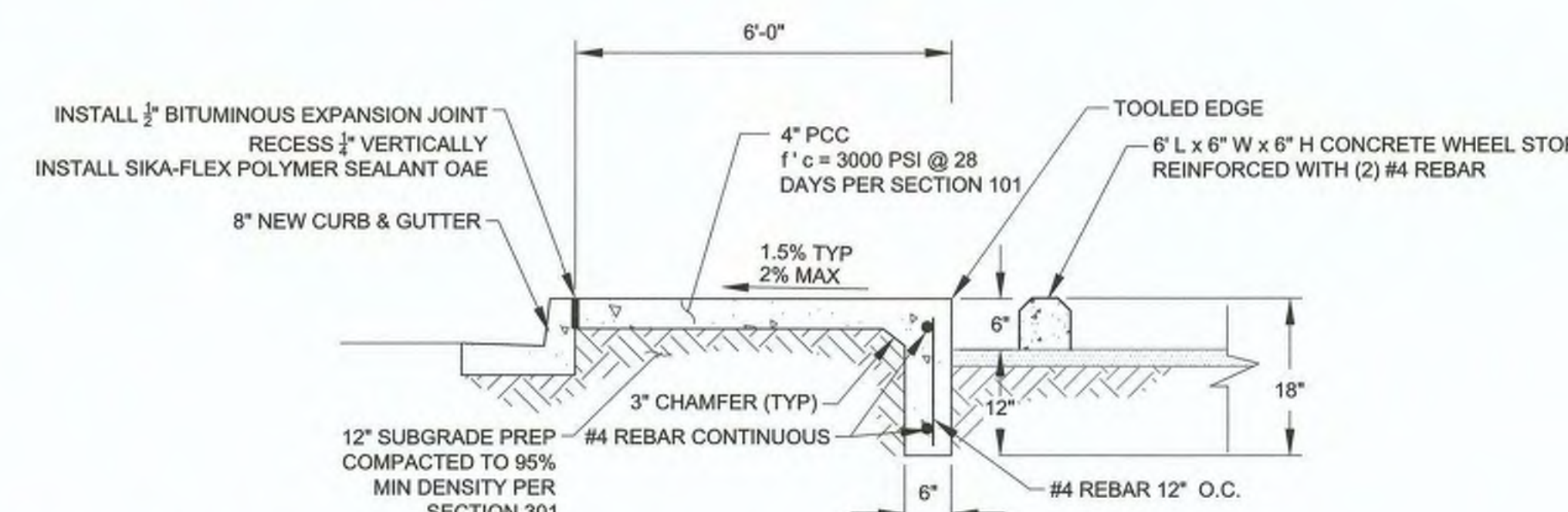
 CONCRETE WHEELSTOP DETAIL

SCALE: 45-4



VALLEY GUTTER DETAIL

SCALE: 1" = 1'

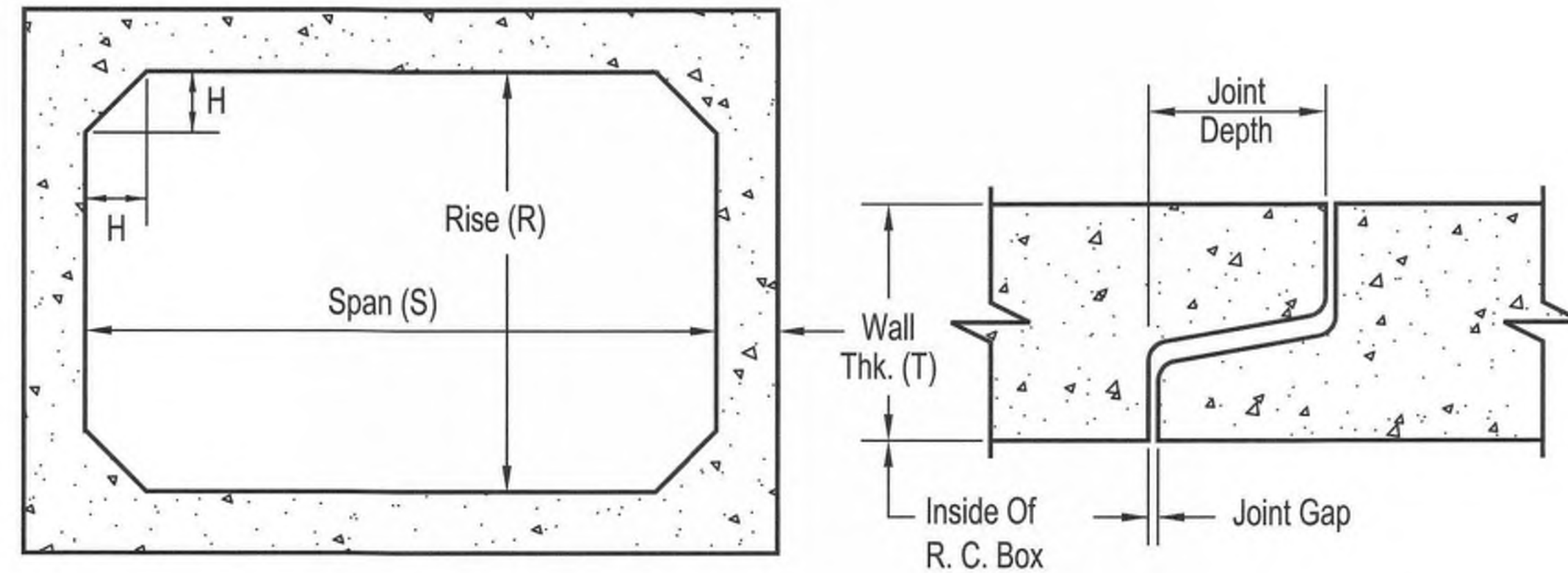


4" PCC TURNDOWN SIDEWALK DETAIL

SCALE: NTS

[illegible]

Reinforced Concrete Box Culvert



Section thru Box Culvert

Section thru Box Joint

Span (S)		Standard Box Culvert Weights (lbs.) per Foot									
Rise (R)		3	4	5	6	7	8	9	10	11	12
	2	605	905								
	3	705	1025	1425	1885	2410					
	4		1155	1575	2060	2600	2800			4880	5700
	5			1725	2235	2800	3000	3655	4375		
	6				2410	3000	3200	3885	4625	5430	6300
	7					3200	3400	4105	4875		
	8						3600	4335	5125	5980	6900
	9							4555	5375		
	10								5625	6530	7500
	11									6810	
	12										8100
Wall (T)		4	5	6	7	8	8	9	10	11	12
Haunch (H)		7	7,8	7,8	7,8,12	8,12	8,12	12	12	12	12

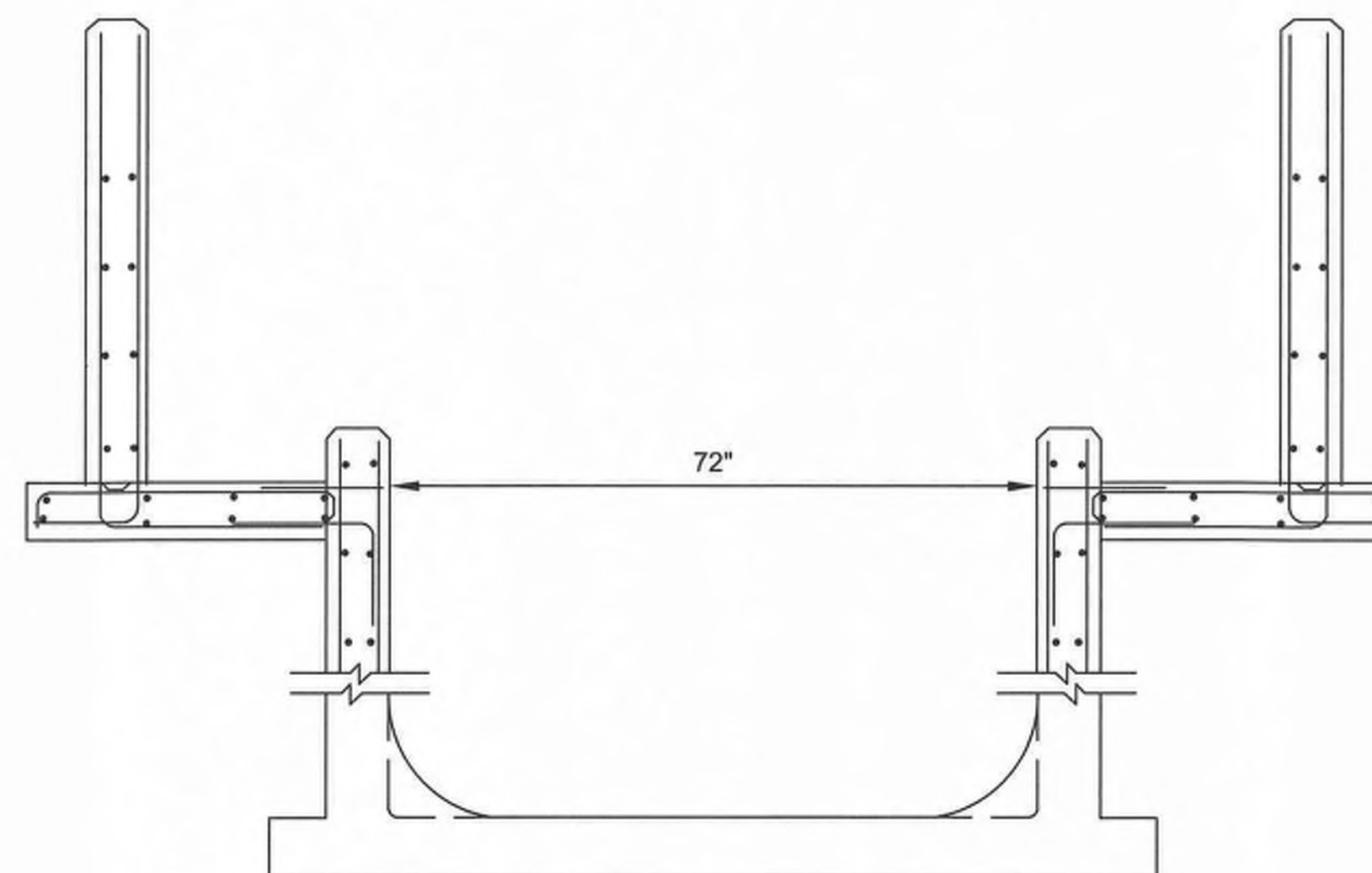
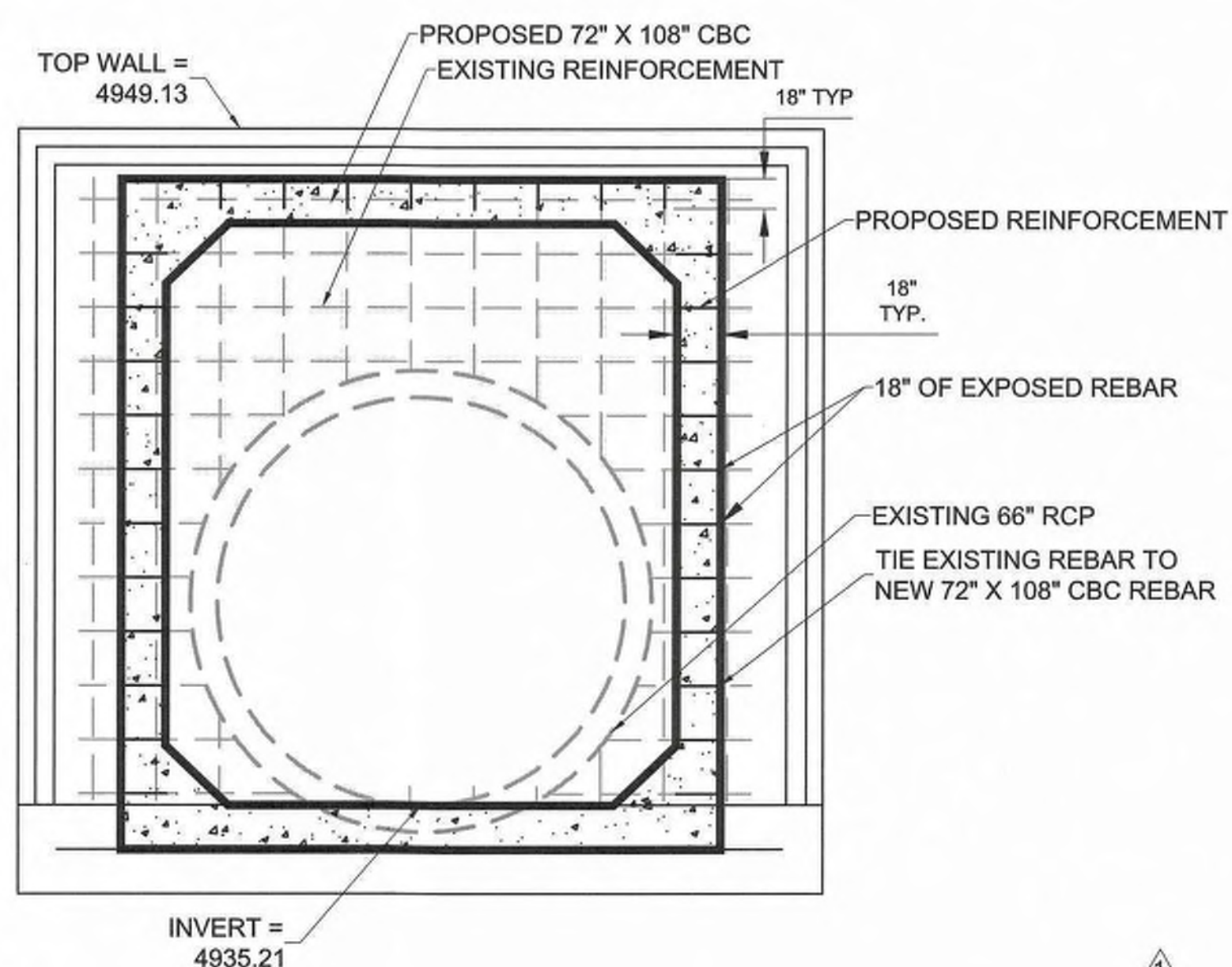
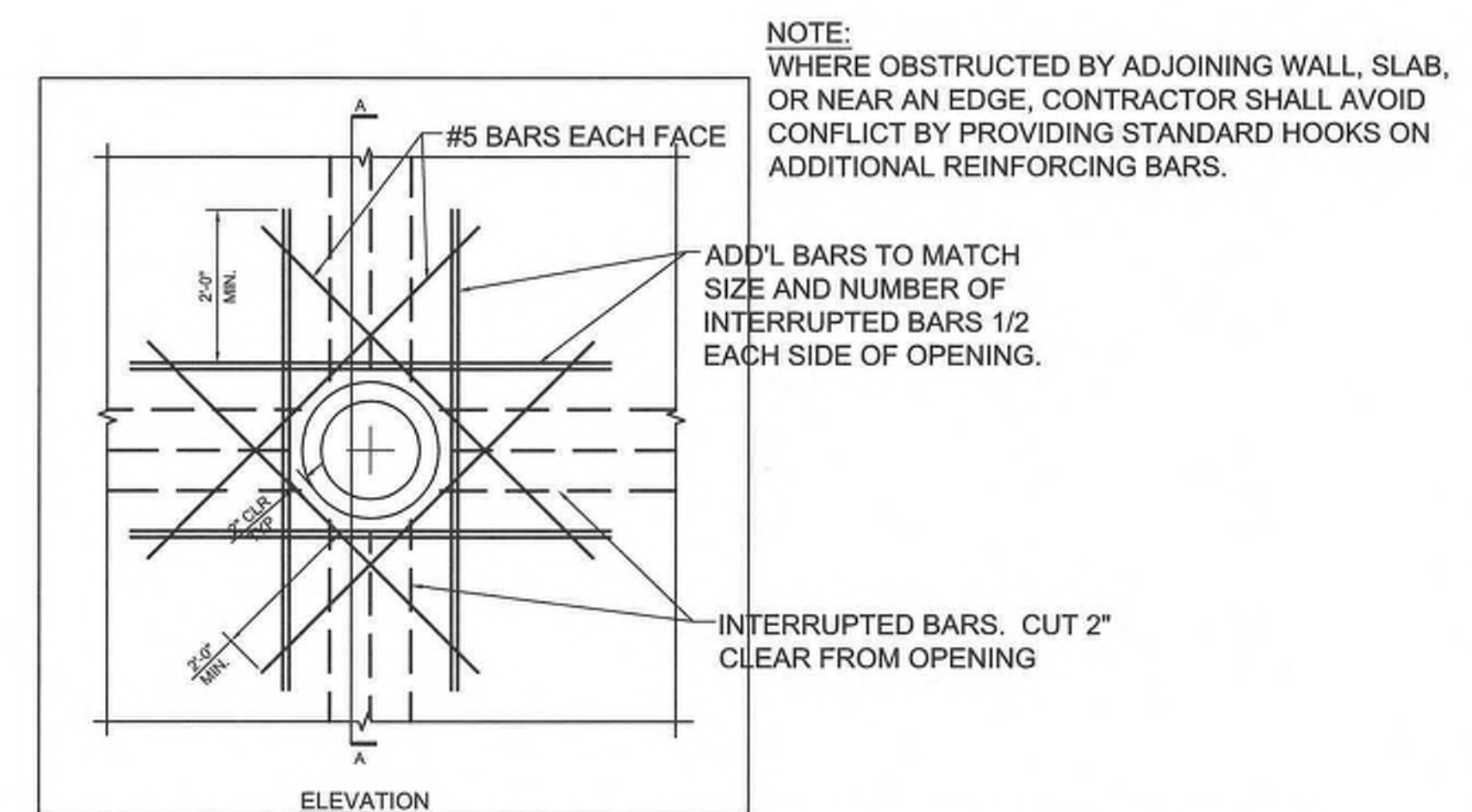
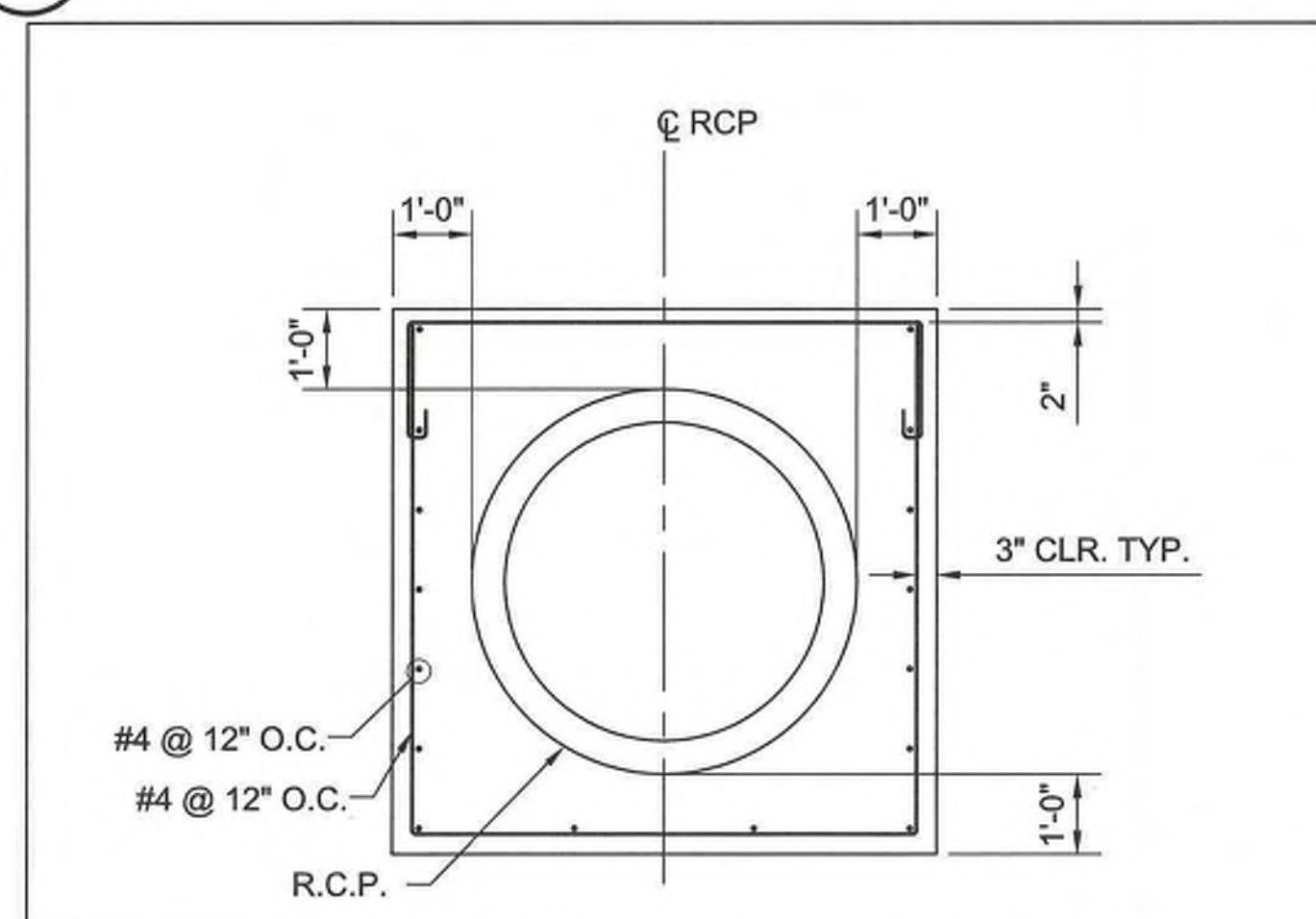
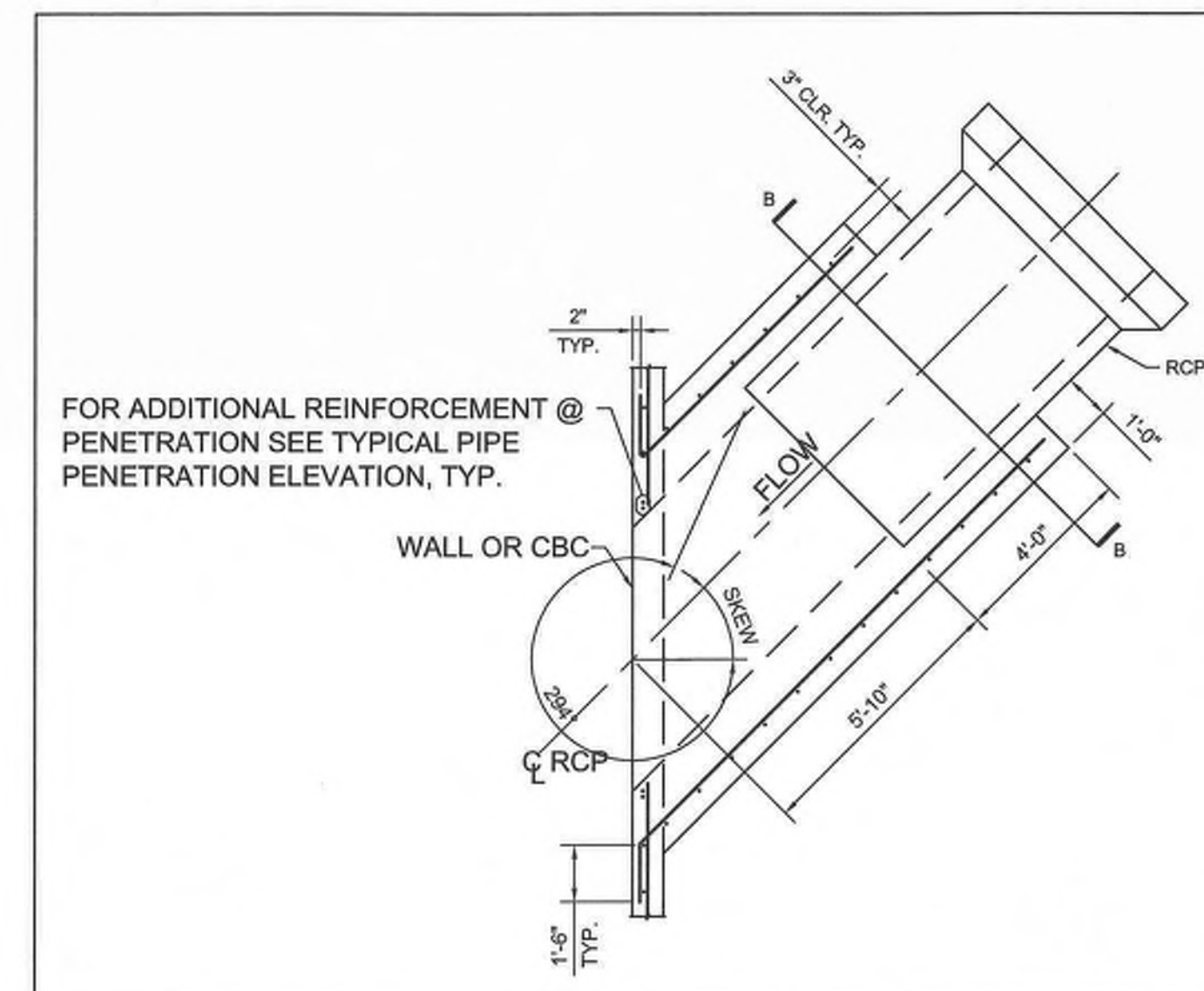
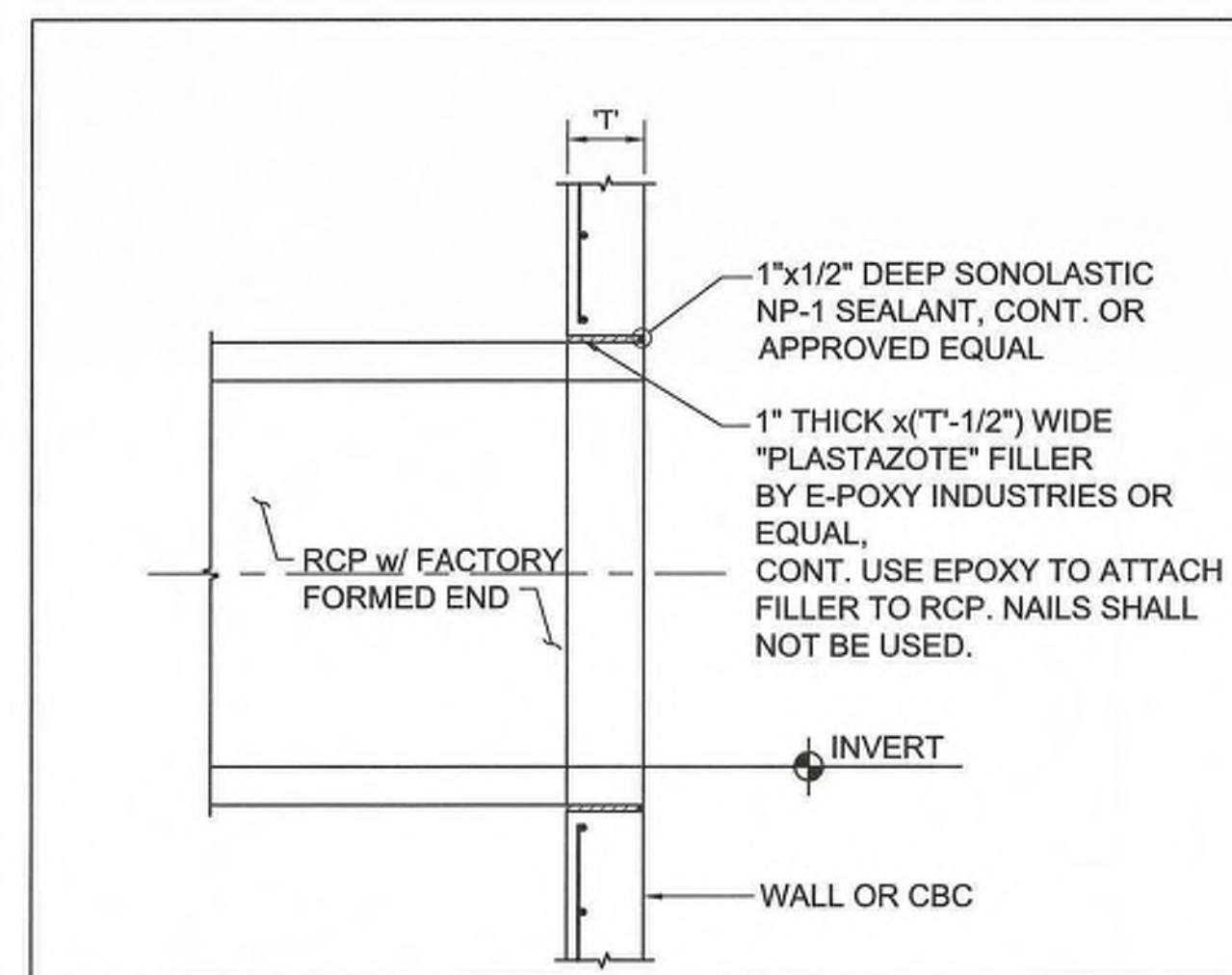
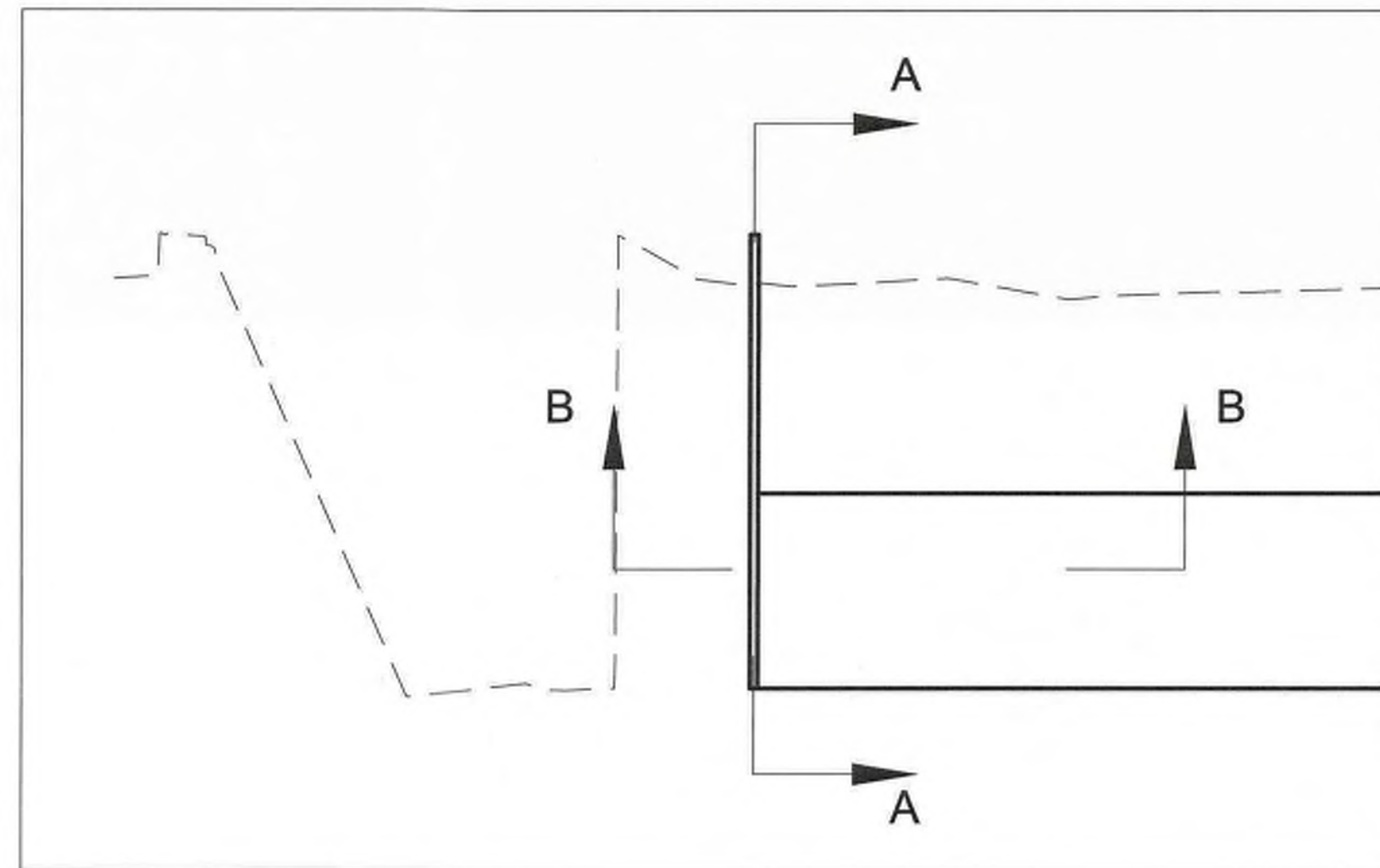
Notes: Box dimensions may vary depending upon equipment availability.

1. Produced to meet ASTM Specifications.
2. Contact a Concrete Pipe Division representative for details not listed on this sheet.
3. Walls, Slabs and Haunches are designed to meet ASTM / AASHTO standards and project specifications. Rinker 013

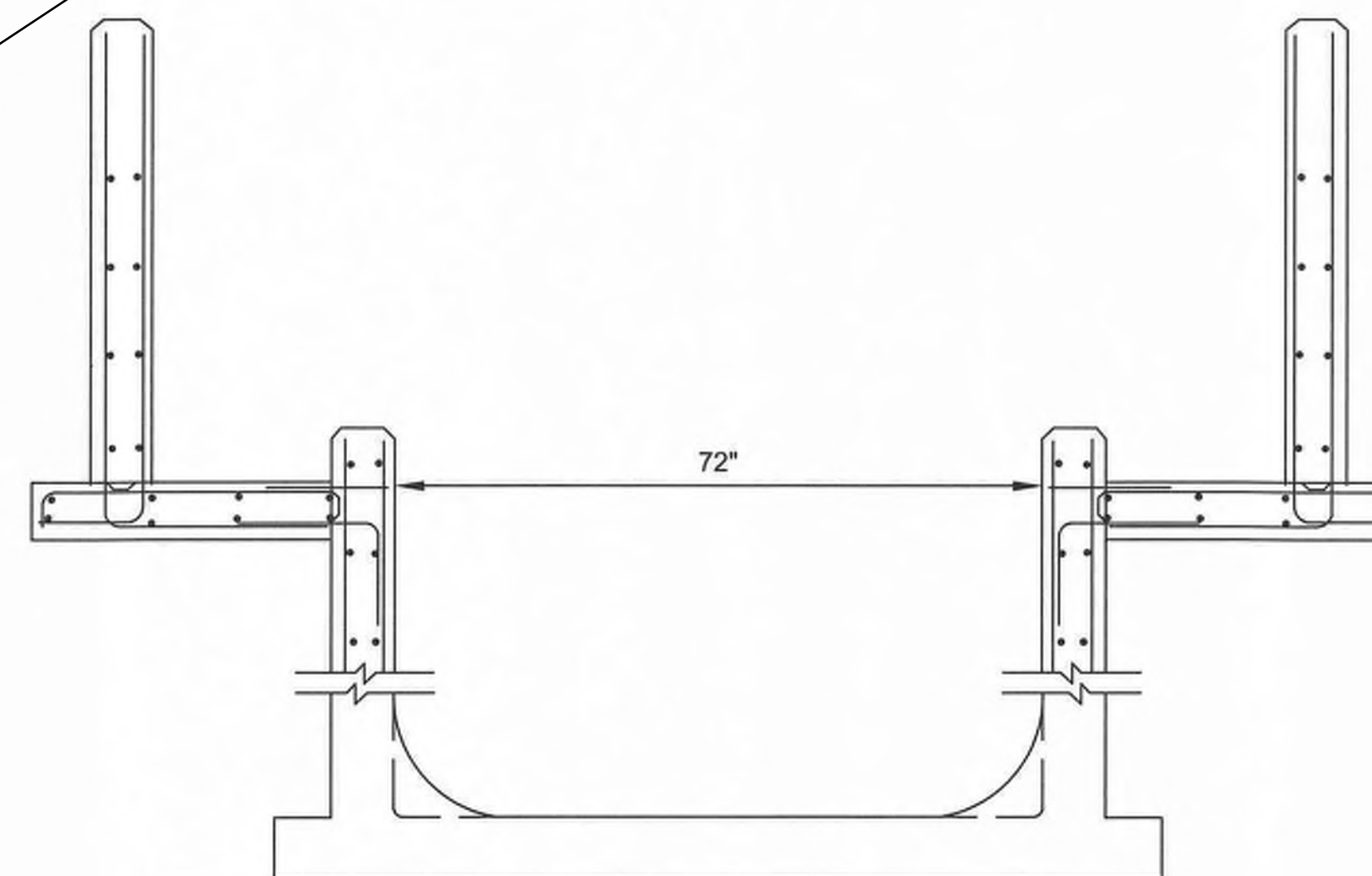
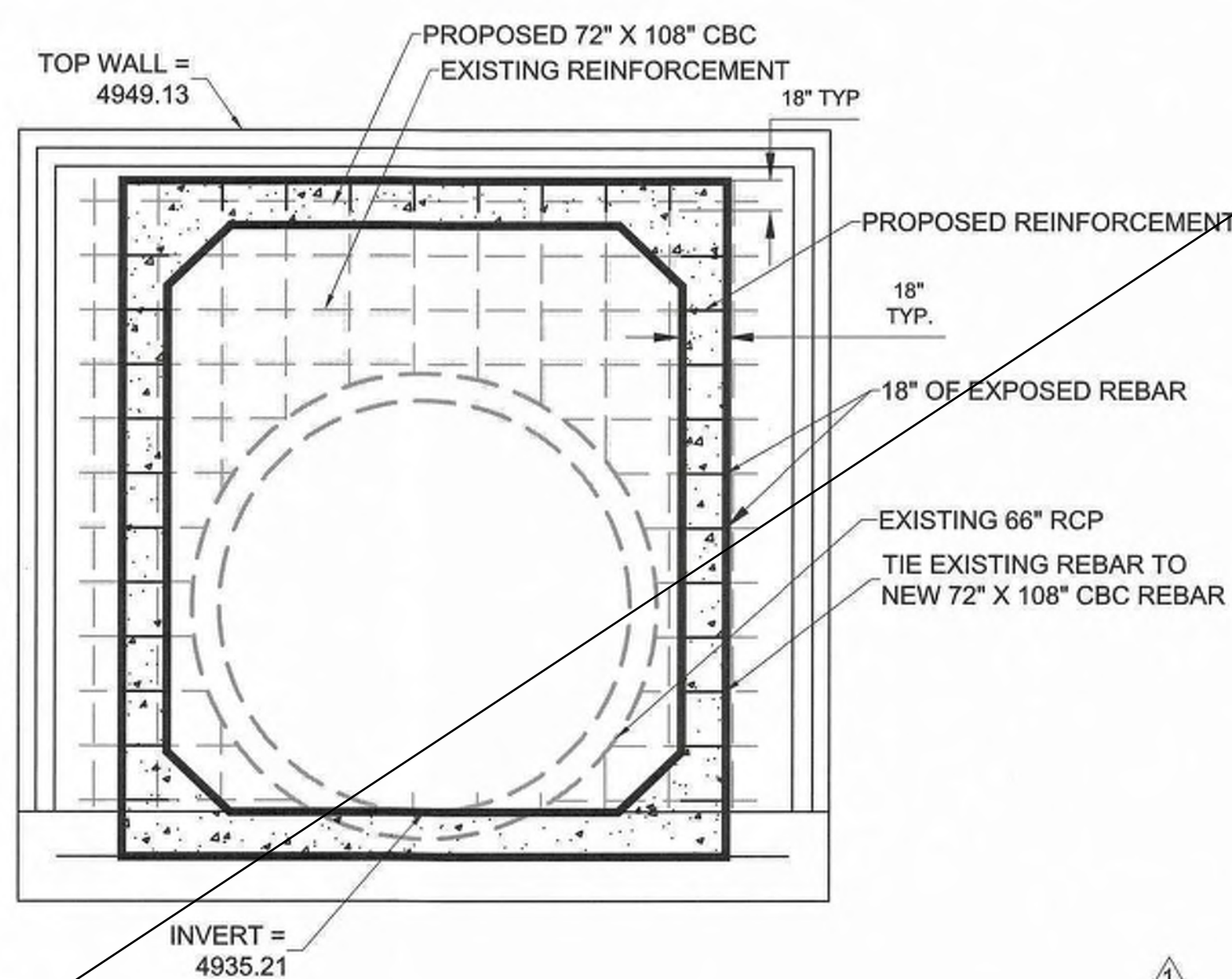
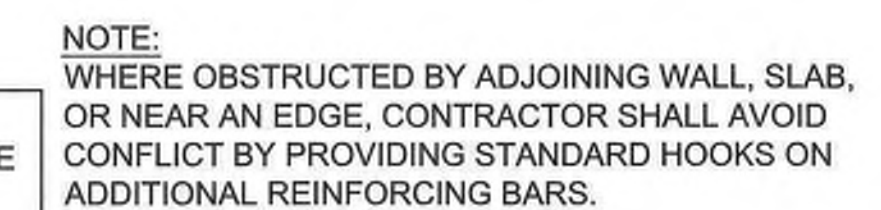
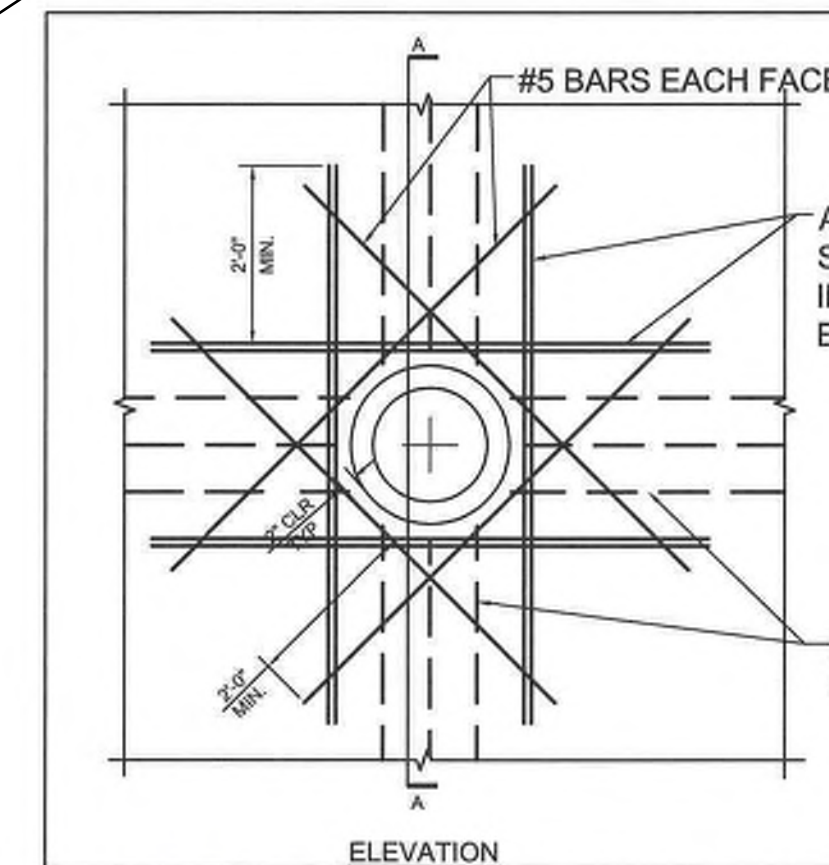
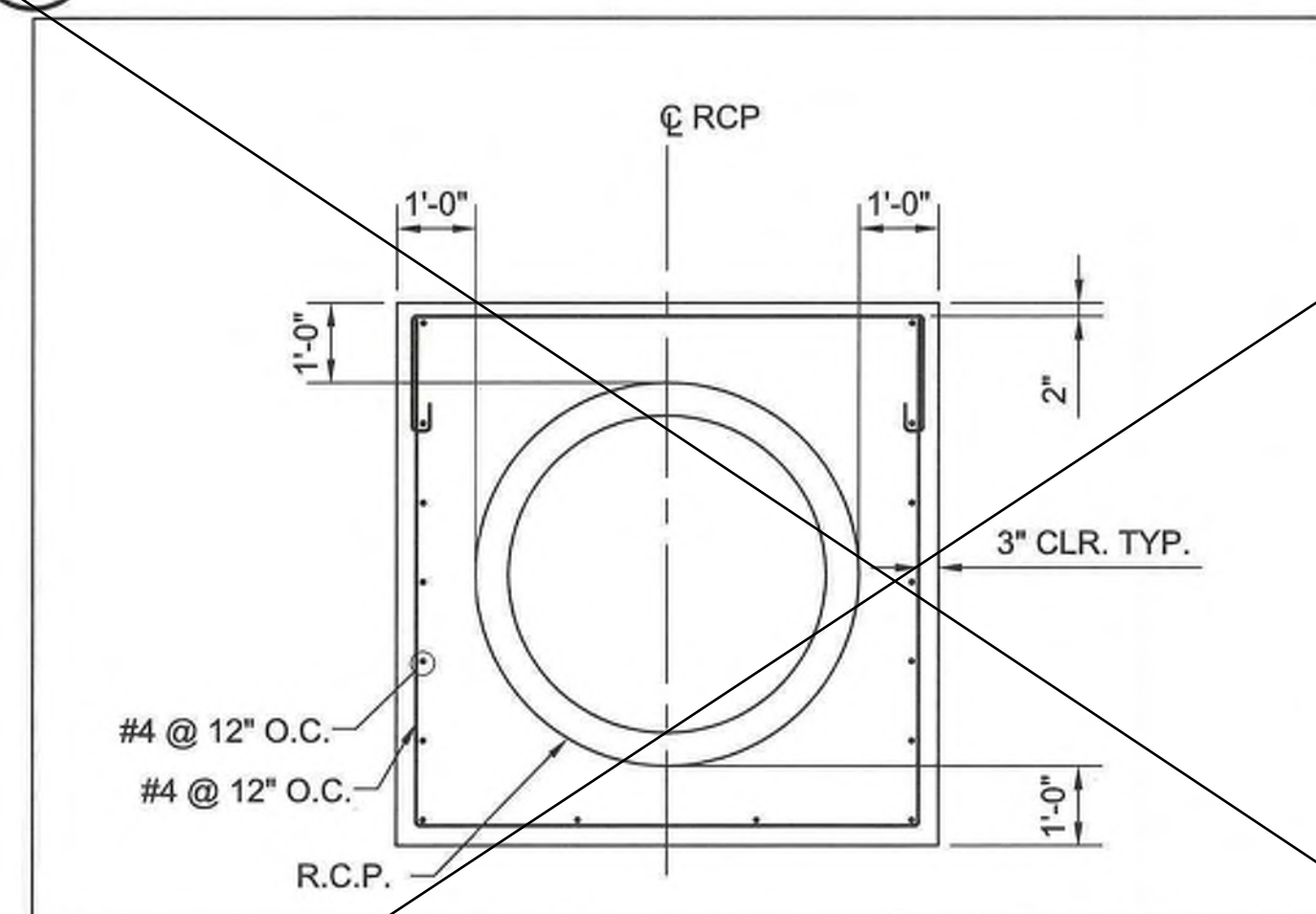
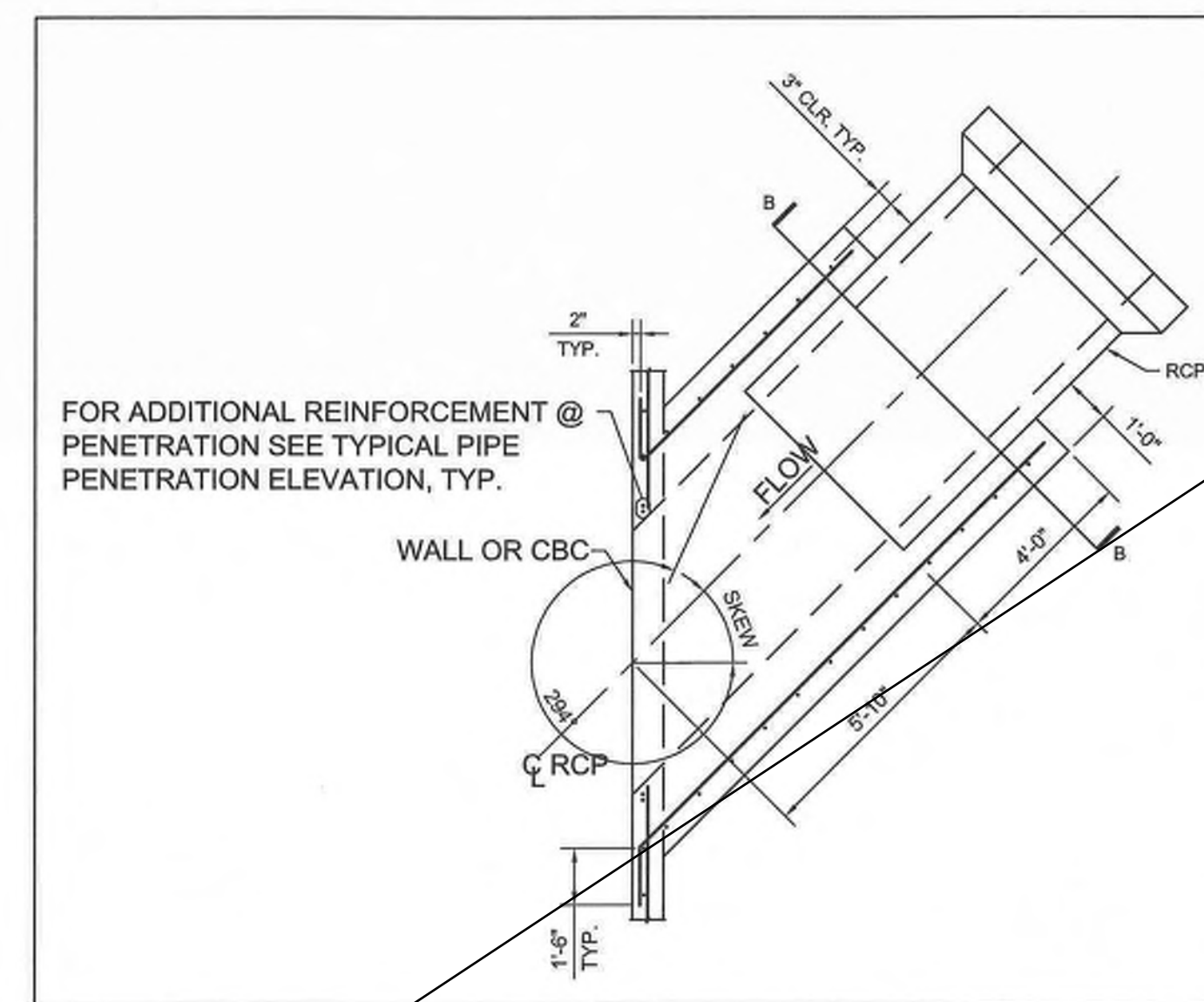
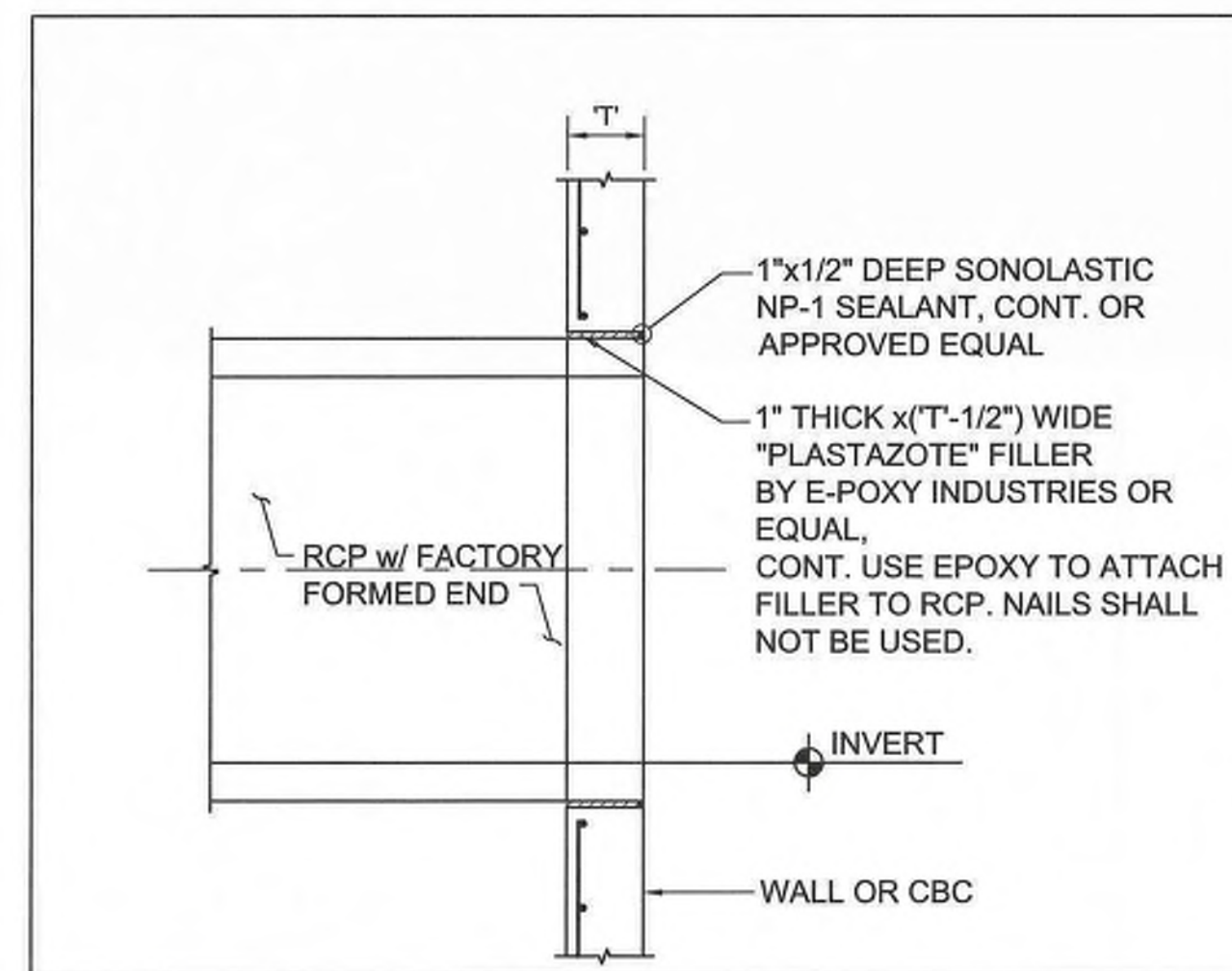
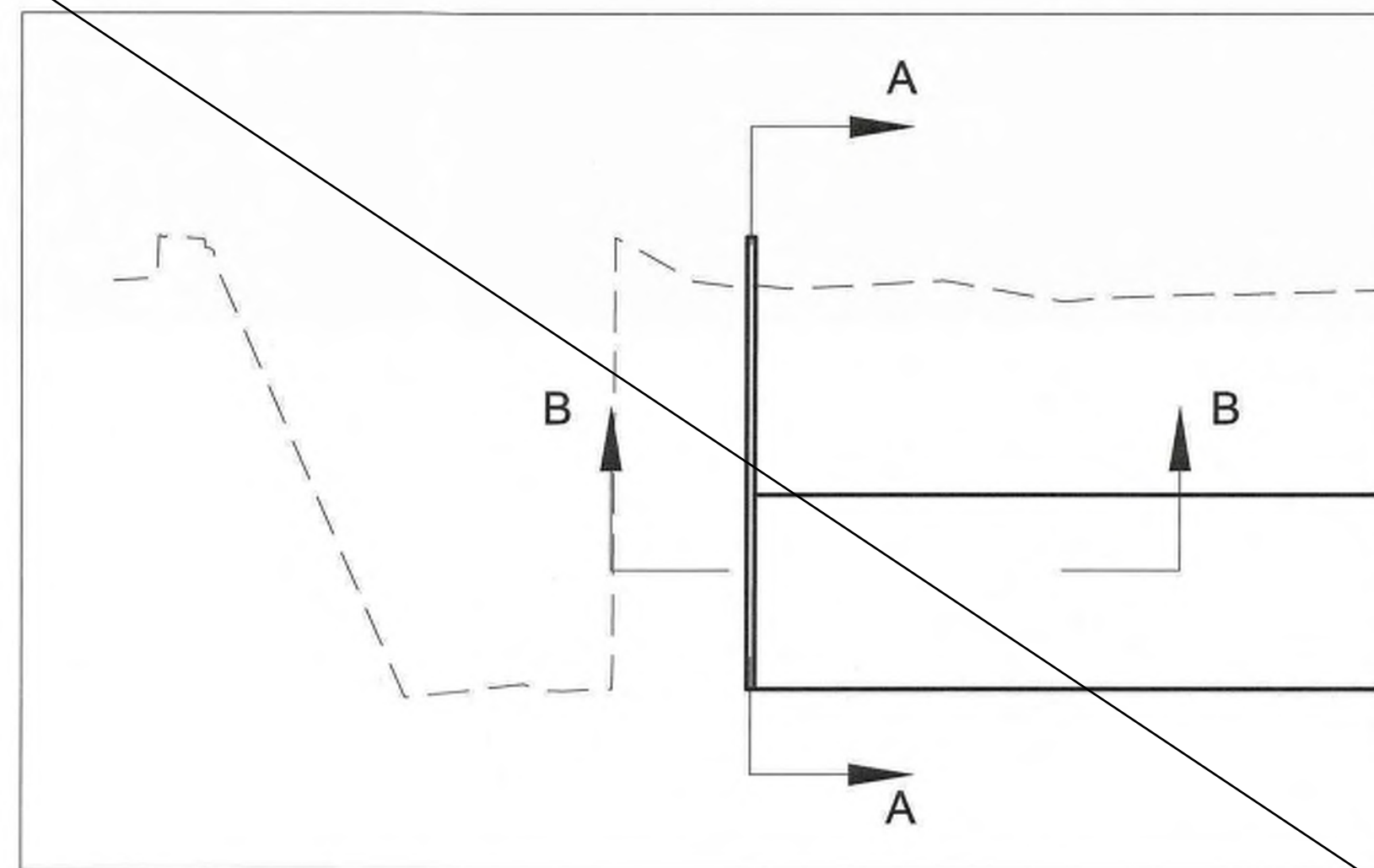
A1 CONCRETE BOX CULVERT DETAILS
NTS

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		NO.	BY	DATE	PRIMARY BENCHMARK CONTROL STATION 73448 1987 CITY OF ALBUQUERQUE SURVEY CONTROL 3 1/4" ALUMINUM DISC 1/4" ALUMINUM DISC ALBUQUERQUE AND IS IN THE NE QUADRANT OF THE INTERSECTION OF ALBUQUERQUE AND BROADWAY BLVD. NE. XC-152246 1/16 ELEV 4597.1456 (NAD 83)	CONTRACTOR	DATE
						DESIGNED BY: JEL	DATE: MARCH 2018
REVISIONS		NO.		BY		DATE	
DESIGN		NO.		BY		DATE	
DRAWN BY: MTR		NO.		BY		DATE	
CHECKED BY: TJA		NO.		BY		DATE	

WILSON & COMPANY 4401 MASTHEAD ST. NE. SUITE 150 ALBUQUERQUE, NM 87109 PHONE: 505-348-4000 FAX: 505-348-4072 www.wilsonco.com	
CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION	
TITLE: IRON AVENUE STORM DRAIN IMPROVEMENTS DETAILS02	
Design Review Committee 	City Engineer Approval
City Project No. 796313	Zone Map No. K-13
Sheet 15 Of 17	RECORD DRAWING DATE 9-20-2019



	4401 MASTHEAD ST. NE. SUITE 150 ALBUQUERQUE, NM 87109 PHONE: 505-348-4000 FAX: 505-348-4072 www.wilsonco.com					12/12		DESIGNED BY		
						NO. DA		DRAWN BY:		CHECKED BY:
 CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION										
TITLE: IRON AVENUE STORM DRAIN IMPROVEMENTS DETAILS03										
Design Review Committee		City Engineer Approval		Last Design Update	Mo./Day/Yr.		Mo./Day/Yr.			
City Project No.		Zone Map No.		Sheet		of				
796313		K-13		16B		17				



ENGINEER'S SEAL				SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.		BY		FIELD NOTES		PRIMARY BENCHMARK		CONTRACTOR	
								CONTRACTOR	
								WORKED BY	
								SURVEYED BY	
								ACCEPTED BY	
								FIELD	
								DRAWINGS	
								CORRECTED BY	
								MICRO-FILM INFORMATION	
								RECORDED BY	
								NO.	

DESIGNED BY: JEL		DATE: MARCH 2018
DRAWN BY: MTR		DATE: MARCH 2018
CHECKED BY: TJA		DATE: MARCH 2018

ALBUQUERQUE

WATER DEVELOPMENT

IMPROVEMENTS

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

Sheet **16** Of **17**

RECORD DRAWING
DATE 9-20-2019

TRAFFIC CIRCULATION LAYOUT (EAST)

SCALE: 1" = 20'

TRAFFIC CIRCULATION LAYOUT (WEST)

~~SCALE: 1" = 20'~~

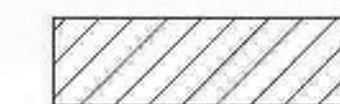
GENERAL NOTE

1. MUST MAINTAIN 8' FENCE AROUND PERIMETER AT ALL TIMES.
2. MUST MAINTAIN ACCESS TO SERVICE ENTRANCE.

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		PRIMARY BENCHMARK			
		BY		DATE		CONTRACTOR	
		NO.		DATE		DATE	
REMARKS				14" ALUMINUM DISC		INSPECTOR'S	
BY				CITY OF ALBUQUERQUE SURVEY CONTROL 3		ACCEPTANCE BY	
				0.5 MILES SOUTHWEST OF DOWNTOWN		DATE	
				QUADRANT OF THE INTERSECTION OF		DATE	
				CENTRAL AVE. AND BROADWAY BLVD. NE.		DATE	
				E-1486003.797		DRAWN BY	
				ELEV=5871.458 (NAVD 88)		MICRO-FILM INFORMATION	
DESIGNED BY: JEL		DATE: MARCH 2018				RECORDED BY	
DRAWN BY: MTR		DATE: MARCH 2018				NO.	
CHECKED BY: TIA		DATE: MARCH 2018					
APPROVED BY: TIA		DATE: MARCH 2018					

LEGEND

WORK AREA



DRIVING PATH



PROPOSED SD



ROW



CHANNELIZER DRUM
W/ TIRE BASE



WILSON
& COMPANY

4401 MASTHEAD ST. NE. SUITE 150
ALBUQUERQUE, NM 87109
PHONE: 505-348-4000
FAX: 505-348-4072
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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE: IRON AVENUE STORM DRAIN IMPROVEMENTS
TEMPORARY TRAFFIC CONTROL PLAN

Design Review Committee

tee	City Engineer Approval
-----	------------------------

Cost Design Update

No./Day

1976

Mo./Day/

City Project No. 796313

Zone Map No.	K-13
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Shee

£ 17 Of

17

RECORD DRAWING
DATE 9-20-2019