

Wichita Airport Authority

Storm Sewer to Serve Fuel Farm Improvements - 2010

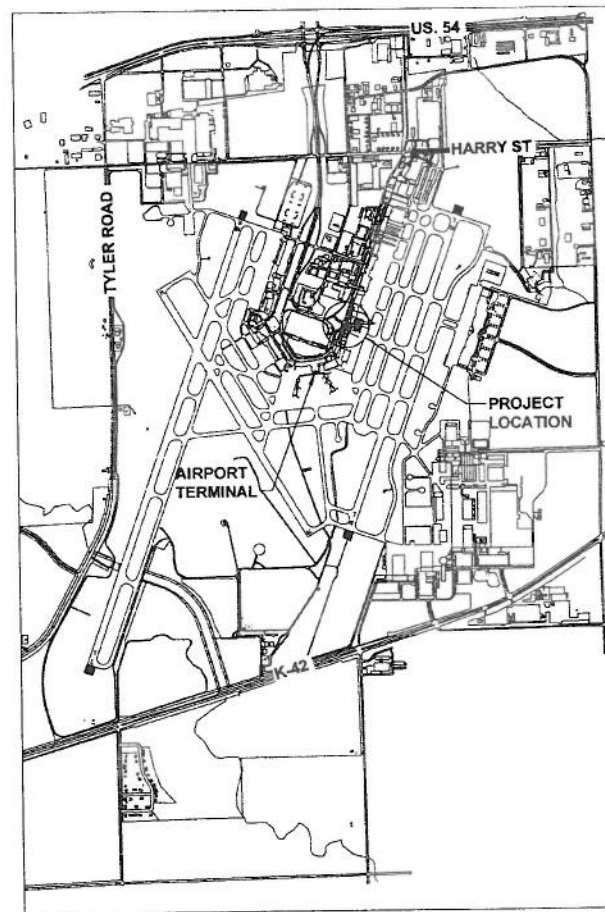
City of Wichita Project No. 458383

2090 Airport Road

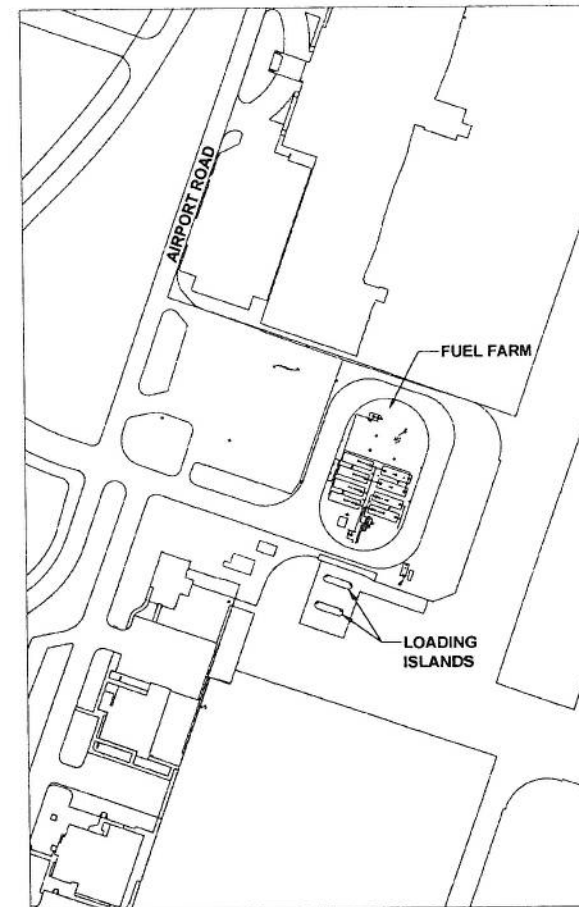
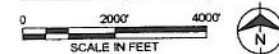
Mid-Continent Airport

As Built:
 Contractor: Snodgrass & Sons Construction
 Inspector: Burns & McDonnell
 Aug. 1, 2012

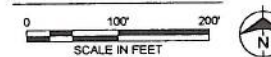
0044 PPD (607861)
 July 28, 2011



Vicinity Map



Location Plan



APPROVED AS NOTED
 BY CITY ENGINEER OF WICHITA

Engineering *Julianne Kallman 8-2-11*
 Stormwater *Jim Burdett 8-8-11*

NOTE TO CONTRACTORS

Inspection and testing for this project are to be provided by a Licensed Consulting Engineering Firm under contract with the Owner/Developer. Said inspection to be in accordance with the City of Wichita standard construction engineering practices and certified by a Licensed Professional Engineer. No work shall be performed in dedicated easements or public right-of-way by the Contractor without such inspection, nor shall any work be commenced without written authorization by the City Engineer.

no.	date	by	ckd	description
△	03/08/10	CGB		ISSUED TO CLIENT FOR 35% REVIEW
△	05/03/10	CGB		ISSUED TO CLIENT FOR 65% REVIEW
△	10/22/10	CGB	JBB	ISSUED TO CLIENT FOR 90% REVIEW
△	04/08/11	CGB	JBB	ISSUED TO OCI FOR PERMIT REVIEW
△	06/27/11	CGB	JBB	ISSUED TO OCI AND FIRE PREVENTION FOR PERMIT REVIEW
△	07/28/11	CGB	JBB	ISSUED TO PUBLIC WORKS FOR APPROVAL



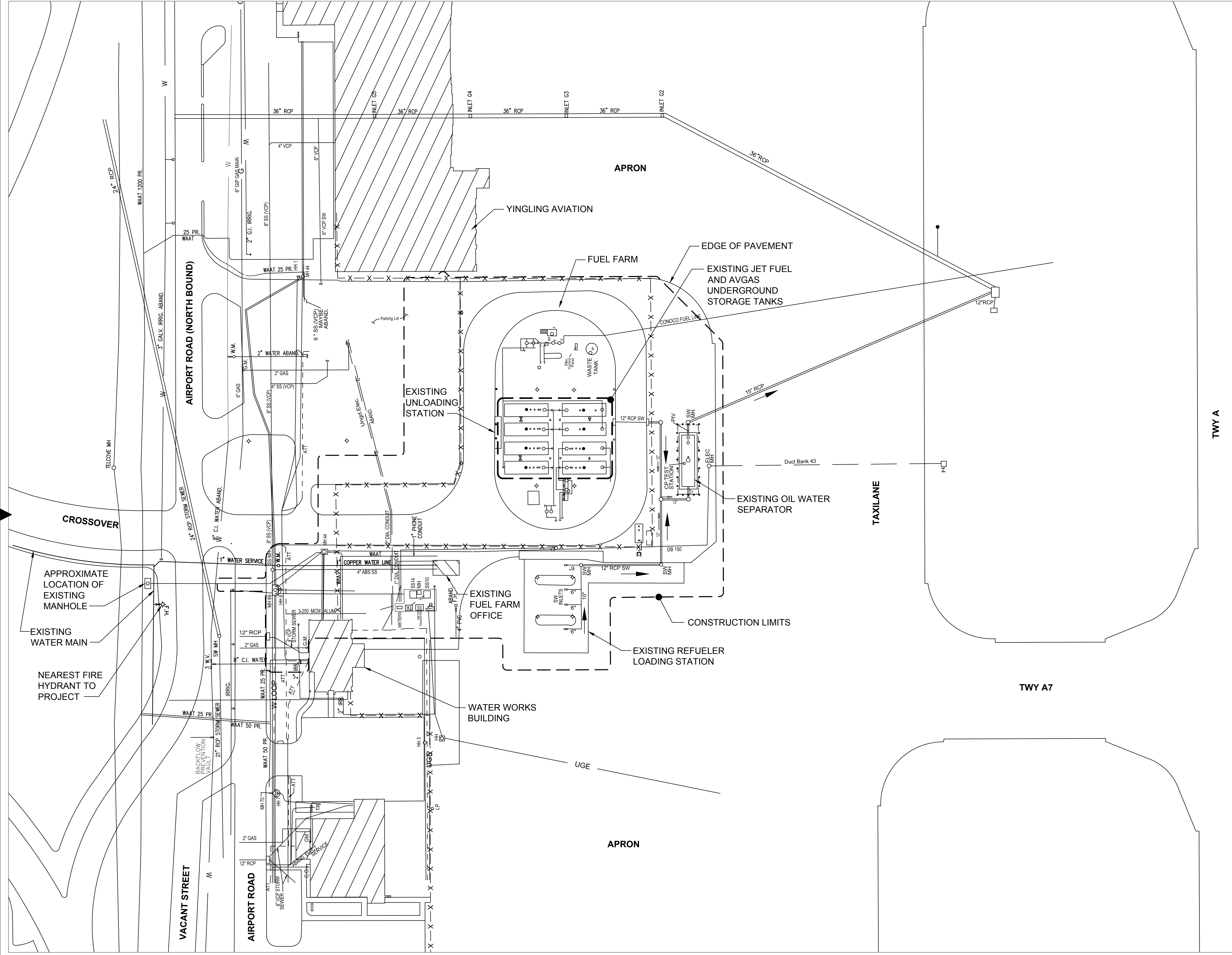
date	02/09/10	detailed	C. KUNTZ
designed	C. BURCHETT	checked	J. BAKKER



FUEL FARM IMPROVEMENTS - 2010
 COVER SHEET

project	55386	contract	458383
drawing	G01	rev.	E
sheet	of #	sheets	
file 55386G01.DWG			





NOTES:

1. THE BACKGROUND FOR THIS DRAWING WAS PROVIDED BY THE OWNER'S MAPPING DEPARTMENT.
2. A TOPOGRAPHIC SURVEY PERFORMED FOR THIS PROJECT PROVIDES THE BACKGROUND ON THE CIVIL SHEETS.
3. STORM WATER DRAINAGE FOR THE EXISTING FUEL FARM AND REFUELER LOADING STATION IS ROUTED THROUGH UNDERGROUND PIPING TO AN EXISTING 15,000 GALLON OIL-WATER SEPARATOR. DISCHARGE FROM THE OIL-WATER SEPARATOR IS INTO THE AIRPORT STORM DRAINAGE SYSTEM.
4. THE EXISTING FUEL FARM OFFICE HAS WATER SERVICE AND SANITARY SEWER SERVICE. NO OTHER WATER SERVICE OR SANITARY SEWER SERVICE IS CURRENTLY PROVIDED TO THE FUEL FARM OR REFUELER LOADING STATION, AND NO ADDITIONAL WATER SERVICE OR SANITARY SEWER SERVICE WILL BE PROVIDED AS PART OF THIS PROJECT.
5. THE EXISTING FUEL FARM SITE INSIDE THE SECURITY FENCE IS PCC PAVEMENT WITH AGGREGATE SURFACING IN THE NON-PAVED AREAS; THE TOTAL AREA IS APPROXIMATELY 35,200 SQ. FT.
6. THIS PROJECT WILL EXTEND THE SECURITY FENCE ON THE EAST SIDE TO INCLUDE APPROXIMATELY 5,350 SQ. FT. OF EXISTING TURF AREA, APPROXIMATELY 1,000 SQ. FT. OF THE TURF AREA WILL BE PAVED WITH ASPHALT AND THE REMAINING 4,350 SQ. FT. WILL BE AGGREGATE SURFACED.
7. THIS PROJECT WILL EXTEND THE SECURITY FENCE ON THE WEST SIDE TO INCLUDE APPROXIMATELY 2,700 SQ. FT. OF EXISTING ASPHALT PAVED AREA. THIS AREA WILL GENERALLY REMAIN PAVED WITH ASPHALT.
8. THE TOTAL AREA INSIDE THE FUEL FARM SECURITY FENCE WILL BE APPROXIMATELY 43,250 SQ. FT. AFTER CONSTRUCTION OF THIS PROJECT. ALL AREAS WILL BE PAVED OR GRAVEL SURFACED.
9. TOTAL LAND DISTURBANCE WILL BE LESS THAN ONE ACRE, THEREFORE A FEDERAL/STATE NPDES PERMIT IS NOT REQUIRED. HOWEVER, THE CONTRACTOR SHALL STILL PREPARE A SWPPP AND UTILIZE THE SWPPP THROUGHOUT CONSTRUCTION. THE SWPPP SHALL IDENTIFY THE BMP TO BE USED TO CONTROL DISCHARGE OF POLLUTANTS TO THE EXISTING STORM SEWER AND CONTAINMENT DRAIN SYSTEMS, PARTICULARLY FOR THE CONTAINMENT DRAIN STRUCTURES THAT DRAIN TO THE EXISTING OIL WATER SEPARATOR. EROSION CONTROL STANDARD DETAILS ARE AVAILABLE FROM THE CITY OF WICHITA PUBLIC WORKS & UTILITIES STORMWATER MANAGEMENT DIVISION. THE CONTRACTOR MAY CALL 316-268-4497 FOR INFORMATION REGARDING LOCAL REQUIREMENTS. SEE SPECIFICATION SECTION 02301 FOR ADDITIONAL REQUIREMENTS.

no.	date	by	ckd	description
0	08/05/11	CGB	JBB	ISSUED FOR BID
	08/01/12	CGB		CONFORMING TO STORM DRAIN CONSTRUCTION RECORDS

RECORD DRAWING

DRAWINGS INCLUDED IN THIS RECORD SET GENERALLY INCLUDE 'AS-BUILT' INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR AND MAY NOT MATCH ACTUAL FIELD CONDITIONS.



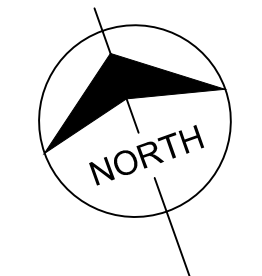
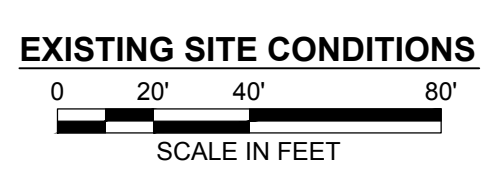
date	8/15/10	detailed	C. KUNTZ
designed	C. BURCHETT	checked	J. BAKKER



**FUEL FARM IMPROVEMENTS - 2010
EXISTING SITE CONDITIONS**

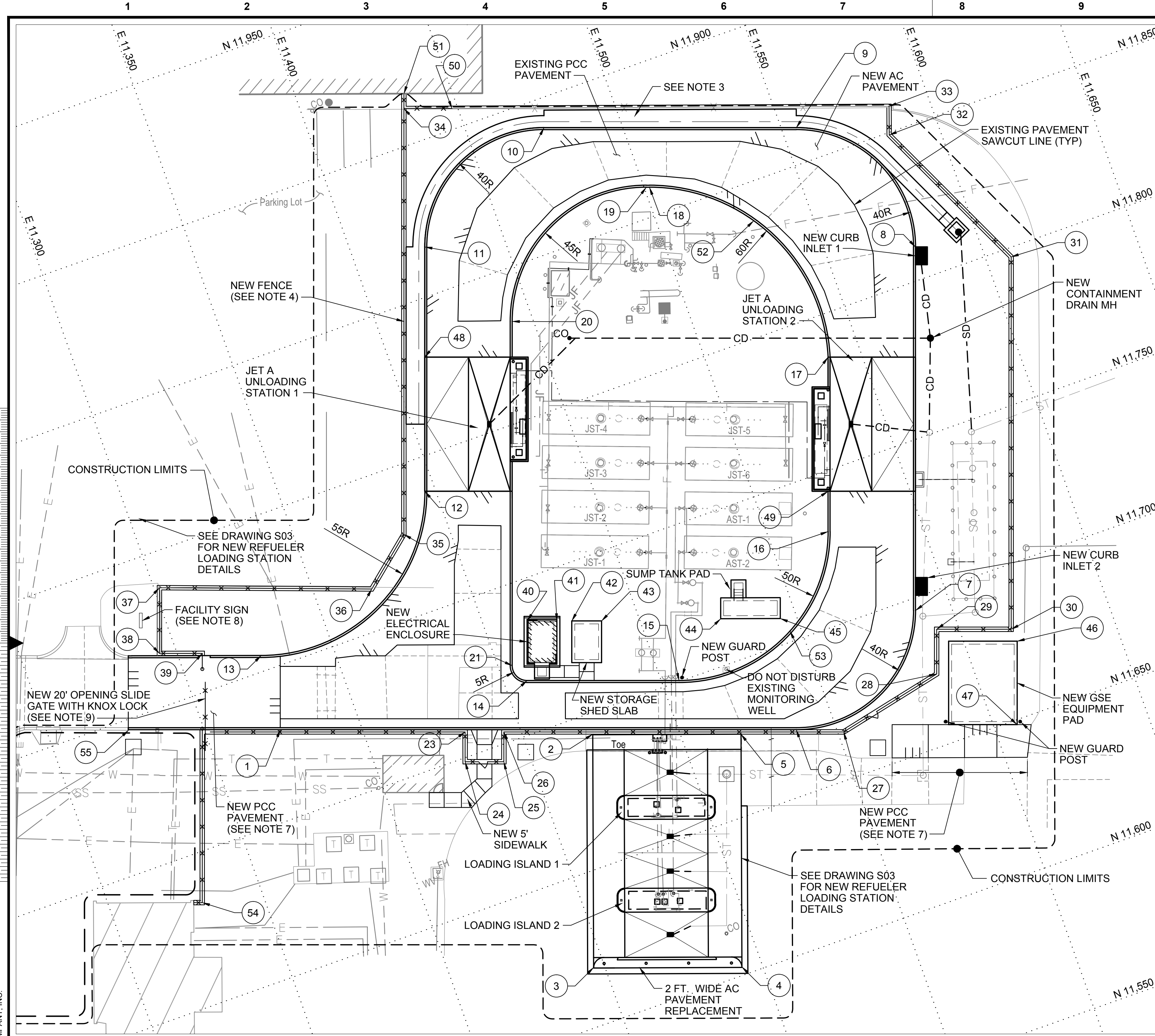
project	55366	contract	458383
drawing	G04	rev.	0

file 55366G04.DWG



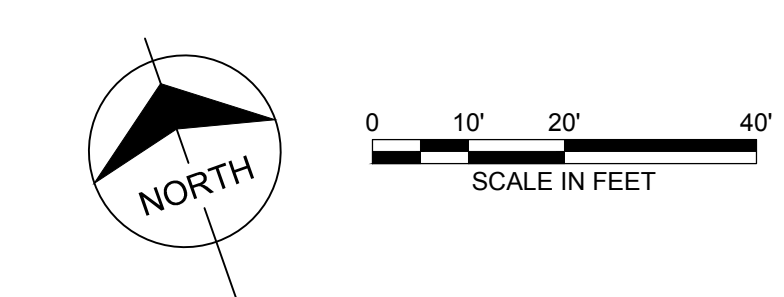
Scale For Microfilming
Millimeters
Inches

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SITE - LAYOUT COORDINATE SCHEDULE				
PT. NO.	NORTHING	EASTING	ELEV.	DESCRIPTION / REMARK
1	11729.61	11324.08	MATCH EXISTING	B/CURB - BEGIN PCC PAVEMENT
2	11693.07	11422.37	20.83	NEW REFUELER LOADING STATION SLAB
3	11619.24	11396.44		NEW REFUELER LOADING STATION SLAB
4	11602.75	11443.38		NEW REFUELER LOADING STATION SLAB
5	11676.41	11469.24	20.38	NEW REFUELER LOADING STATION SLAB
6	11671.61	11487.23	21.31	B/CURB PT
7	11695.90	11538.32	21.03	B/CURB PT
8	11810.86	11579.18	21.00	B/CURB PT
9	11861.94	11554.89	21.31	B/CURB PT
10	11890.30	11475.11	21.72	B/CURB PT
11	11866.01	11424.02	22.02	B/CURB PT
12	11788.66	11396.53	22.02	B/CURB PT & FDN. CORNER
13	11755.22	11326.38	22.07	B/CURB PT
14	11717.41	11407.64	21.84	B/CURB PT
15	11700.33	11455.70	21.54	B/CURB PT
16	11730.70	11519.56	21.45	B/CURB PT
17	11717.41	11539.15	21.50	B/CURB PT & FDN. CORNER
18	11859.60	11501.78	21.58	B/CURB PT
19	11859.96	11500.76	21.58	B/CURB PT
20	11832.63	11443.29	22.11	B/CURB PT
21	11723.80	11404.61	21.86	B/CURB PT
22				NOT USED
23	11708.12	11382.27		FENCE PI
24	11698.70	11378.92		FENCE PI
25	11694.35	11391.17		FENCE PI
26	11703.77	11394.52		FENCE PI
27	11665.57	11501.97	21.00	FENCE PI
28	11673.45	11537.89	20.40	FENCE PI
29	11687.58	11542.91	20.50	FENCE PI
30	11679.21	11566.47	20.40	FENCE PI
31	11796.93	11608.32	21.10	FENCE PI
32	11849.22	11583.45	21.55	FENCE PI
33	11858.26	11586.61	MATCH EXISTING	FENCE PI / NEW FENCE INTERSECTS EXIST FENCE
34	11912.08	11432.97	22.75	FENCE PI
35	11777.48	11385.13	22.20	FENCE PI
36	11763.82	11368.81	22.20	FENCE PI
37	11788.09	11301.84	22.40	FENCE PI
38	11767.30	11294.45	MATCH EXISTING	FENCE PI
39	11762.52	11307.99	MATCH EXISTING	FENCE PI
40	11774.57	11318.65	22.00	FOUNDATION CORNER
41	11765.14	11315.30	22.00	FOUNDATION CORNER
42	11737.89	11430.34	22.00	FOUNDATION CORNER
43	11733.20	11443.53	22.00	FOUNDATION CORNER
44	11715.18	11475.81	22.00	FOUNDATION CORNER
45	11708.56	11494.68	22.00	FOUNDATION CORNER
46	11674.77	11567.01	20.60	FOUNDATION CORNER
47	11648.39	11557.64	20.60	FOUNDATION CORNER
48	11831.15	11411.63	22.20	FOUNDATION CORNER
49	11743.42	11524.08	21.50	FOUNDATION CORNER
50	11906.75	11448.18		NEW FENCE INTERSECTS EXIST FENCE
51	11916.79	11434.65		END FENCE / SEE NOTE 5
52	11837.32	11530.94	21.30	B/CURB LOW POINT
53	11703.53	11496.35	21.30	B/CURB LOW POINT
54	11683.71	11279.98		FENCE PI
55	11746.52	11275.96	MATCH EXISTING	B/CURB - END PCC PAVEMENT

- NOTES:**
- ALL AREAS THAT ARE NOT PAVED WITHIN THE LIMITS OF THE NEW FENCE SHALL BE SURFACED WITH A SIX-INCH THICKNESS OF AGGREGATE. SEE SECTION 02301. EXISTING GRAVEL SURFACING MATERIAL MAY BE STOCKPILED AND RE-USED IF IT IS CLEAN.
 - ALL EXISTING TURFED AREAS OUTSIDE THE NEW FENCE THAT ARE NOT PAVED SHALL BE SODDED WITH FESCUE. SEE SPECIFICATION SECTION 902 AND 903.
 - WIDEN DRAINAGE SWALE TO ABUT CHAIN LINK FENCE FOOTING IN TANGENT SECTIONS (2 LOCATIONS); INSTALL 1/2-INCH THICK EXPANSION BOARD BETWEEN DRAINAGE SWALE AND FENCE FOOTING.
 - INSTALL BLACK PRIVACY SLATS ON WEST SECTION OF FENCE BETWEEN COORDINATE POINTS 54 AND 51 (INCLUDING GATE). SEE SECTION 416 AND DRAWING C06. PRIVACY SLATS SHALL BE 8 FT. TALL, COVERING THE LOWER 8 FT. OF THE 12 FT. TALL FENCE.
 - SEE DRAWING E04 AND DRAWING M05 FOR ADDITIONAL UTILITIES.
 - ADD 1300 TO NEW ELEVATIONS PROVIDED IN THE SCHEDULE.
 - CONSTRUCT NEW PCC PAVEMENT 9" THICK AS DETAILED FOR DRIVE SLAB ON DRAWING S02, SECTION A AND NOTE 7. ALL JOINTS FOR PCC PAVEMENT BY GSE EQUIPMENT PAD SHALL BE CONTRACTION JOINTS (SEE DETAIL DRAWING C08). SEE DRAWING C08 FOR PCC PAVEMENT DETAILS AT NEW SLIDE GATE.
 - FACILITY ADDRESS SIGN FURNISHED AND INSTALLED BY OWNER.
 - OWNER WILL COORDINATE KNOX LOCK APPLICATION. KNOX LOCK WILL BE FURNISHED AND INSTALLED BY OWNER.



no.	date	by	ckd	description
0	08/05/11	CGB	JBB	ISSUED FOR BID
	08/01/12	CGB		CONFORMING TO STORM DRAIN CONSTRUCTION RECORDS

RECORD DRAWING

DRAWINGS INCLUDED IN THIS RECORD SET GENERALLY INCLUDE 'AS-BUILT' INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR AND MAY NOT MATCH ACTUAL FIELD CONDITIONS.



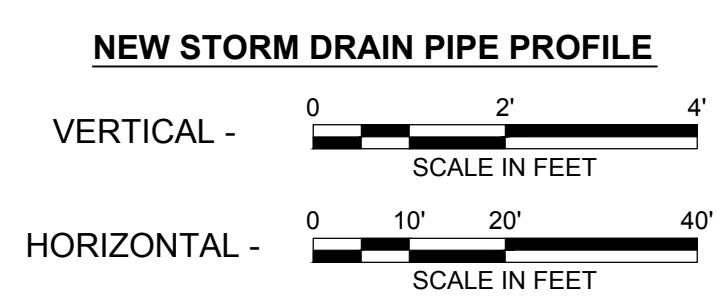
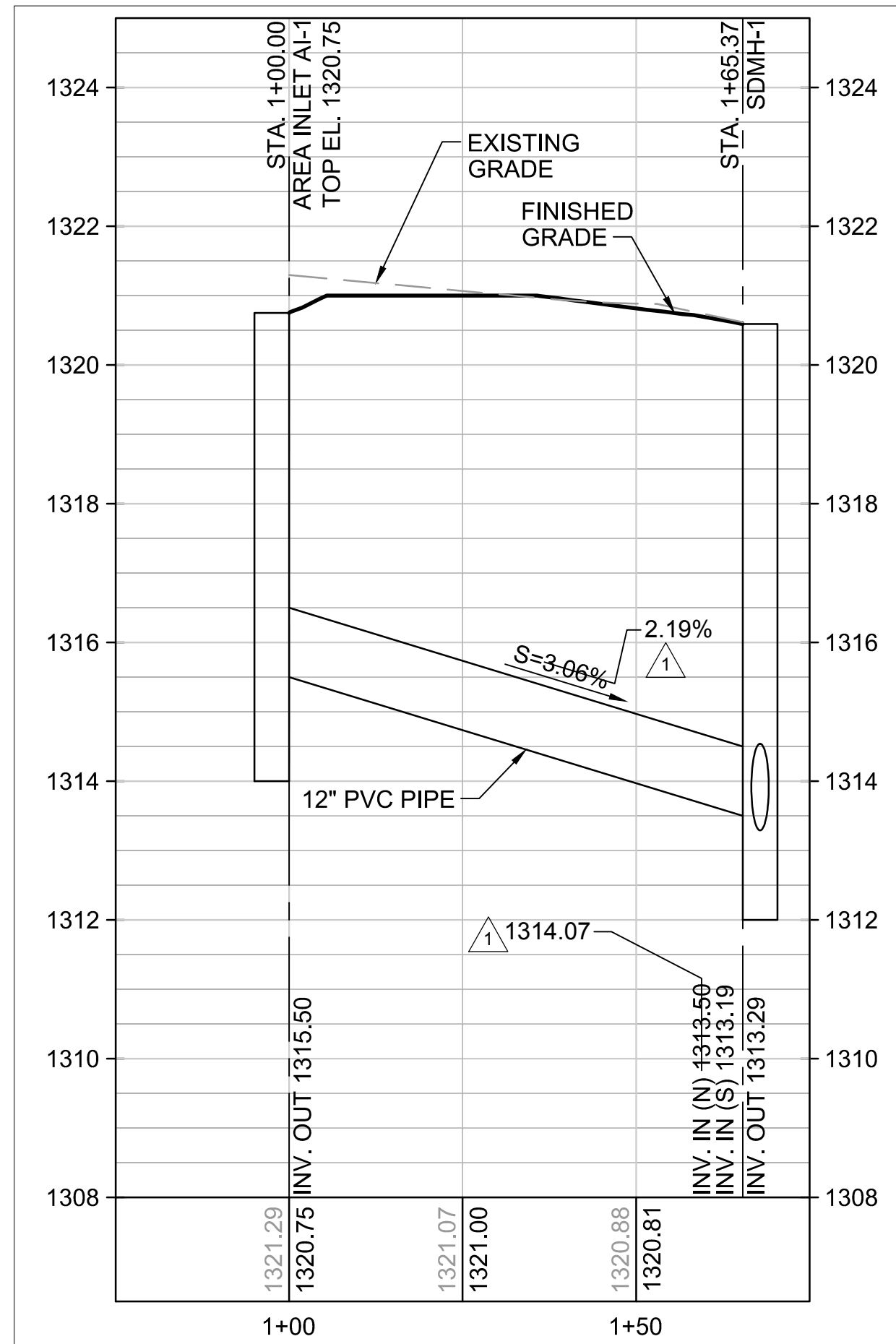
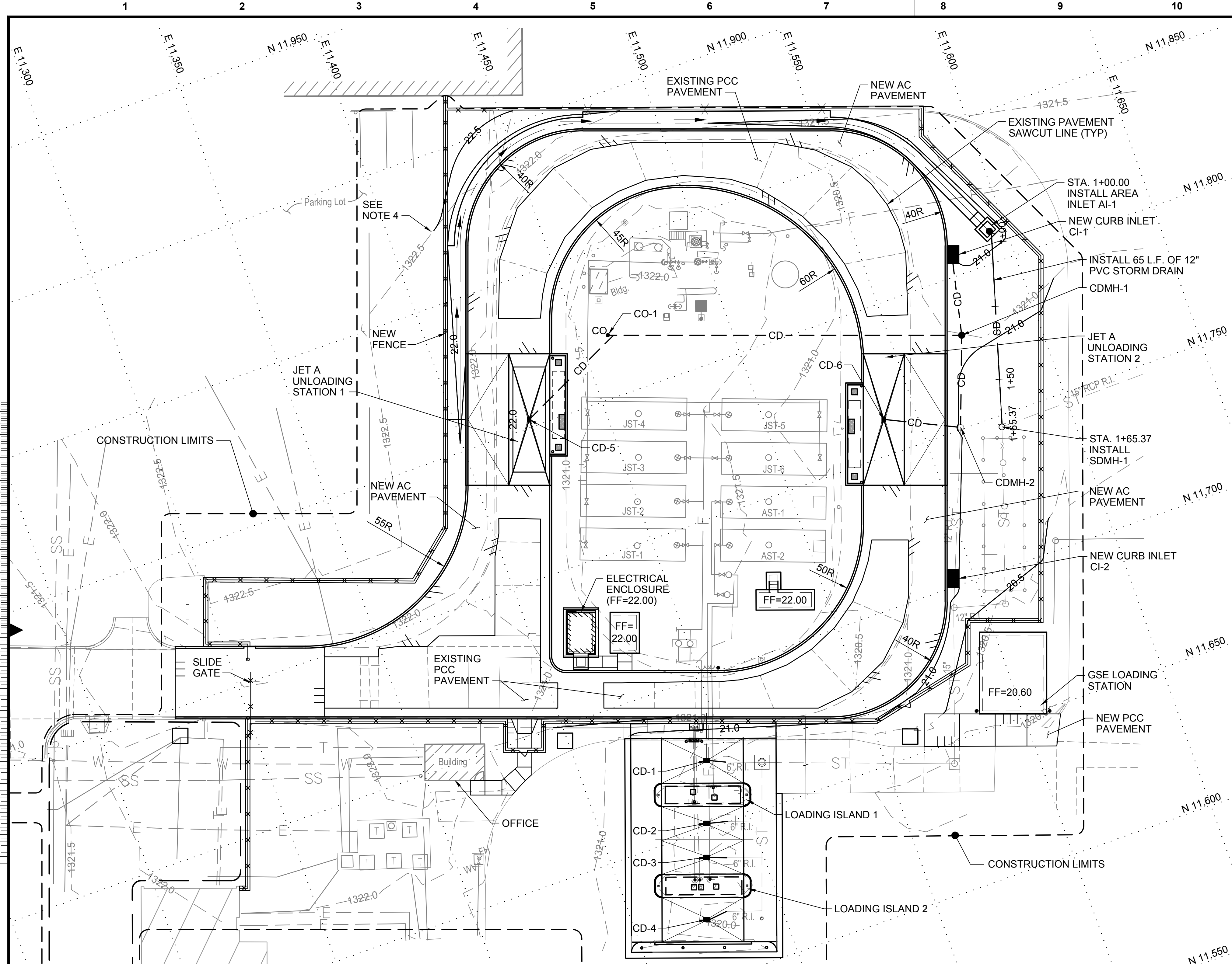
date	03/01/10	detailed	C. KUNTZ
designed	C. BURCHETT	checked	J. BAKKER



FUEL FARM IMPROVEMENTS - 2010
SITE LAYOUT AND UTILITY PLAN

project	55366	contract	458383
drawing	C03		rev. 0
SHEET			
file 55366C03.DWG			

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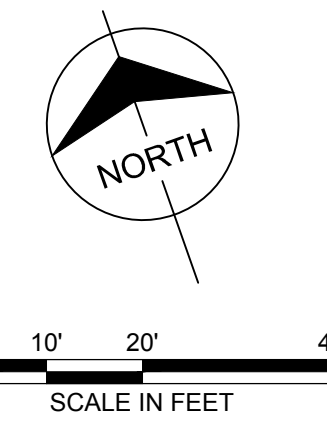
no.	date	by	ckd	description
0	08/05/11	CGB	JBB	ISSUED FOR BID
1	08/01/12	CGB		CONFORMING TO STORM DRAIN CONSTRUCTION RECORDS

RECORD DRAWING

DRAWINGS INCLUDED IN THIS RECORD SET GENERALLY INCLUDE 'AS-BUILT' INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR AND MAY NOT MATCH ACTUAL FIELD CONDITIONS.

- NOTES:**
- ADD 1300 TO NEW ELEVATIONS PROVIDED ON THIS DRAWING.
 - SEE COORDINATE SCHEDULE ON DRAWING C03 FOR SPOT ELEVATIONS.
 - DUE TO EXISTING EQUIPMENT ELEVATIONS, MINIMAL CHANGES CAN BE MADE TO THE GRAVEL SURFACE AREA ELEVATIONS IN THE STORAGE TANK AREA. CONTRACTOR SHALL PROVIDE ADDITIONAL GRAVEL SURFACING WHERE POSSIBLE TO FILL IN BEHIND THE NEW CURBS AND PROMOTE DRAINAGE TO THE TWO CURB LOW POINTS (52 AND 53, DRAWING C03).
 - WARP REPLACEMENT AC PAVEMENT TO MATCH EXISTING PAVEMENT ELEVATION ON THE WEST SIDE OF THE NEW FENCE.
 - ALL NEW CONTAINMENT DRAIN PIPE SHALL BE DUCTILE IRON PIPE CONFORMING TO SECTION 804, WITH JET FUEL RESISTANT GASKETS.
 - ALL NEW CONTAINMENT DRAIN PIPE SHALL BE 6-INCH DIAMETER DUCTILE IRON PIPE EXCEPT THE SEGMENT CI-1 TO CDMH-1 TO CDMH-2, WHICH SHALL BE 10-INCH DIAMETER. SEE SPECIFICATION SECTION 804.
 - ALL NEW STORM DRAIN PIPE SHALL BE 12-INCH DIAMETER RIBBED WALL PVC PIPE. SEE SPECIFICATION SECTION 804.
 - SEE DRAWING C09 FOR ADDITIONAL STORM DRAIN AND CONTAINMENT DRAIN STRUCTURE INFORMATION.
 - THE CONTRACTOR SHALL NOTIFY THE ENGINEER TWO WEEKS PRIOR TO STORM DRAIN INSTALLATION TO COORDINATE INSPECTION AND TESTING REQUIREMENTS.

STORM DRAIN STRUCTURES			CONTAINMENT DRAIN STRUCTURES		
STRUC	NORTHING	EASTING	STRUC	NORTHING	EASTING
AI-1	11810.65	11594.47	CDM-1	11780.32	11750.65
SDMH-1	11746.11	11576.07	CDM-2	11573.63	11562.78
			CD-1	11672.34	11442.59
			CD-2	11652.08	11435.39
			CD-3	11641.09	11431.48
			CD-4	11621.01	11424.34
			CD-5	11802.69	11424.51
			CD-6	11762.05	11538.84
			CI-1	11807.36	11580.06
			CI-2	11702.83	11542.90
			CO-1	11820.89	11459.49



date	03/01/10	detailed	C. KUNTZ
designed	C. BURCHETT	checked	J. BAKKER

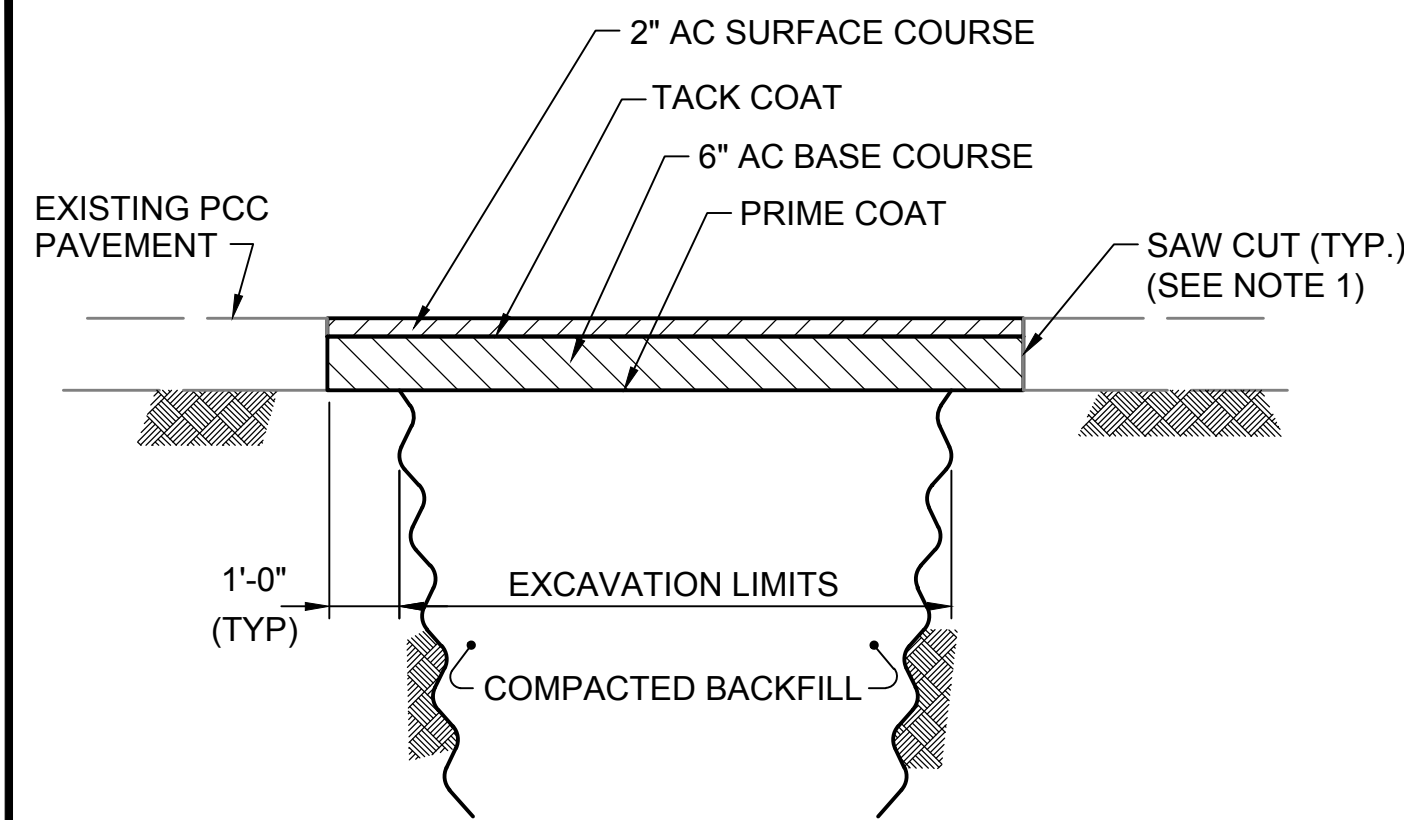


FUEL FARM IMPROVEMENTS - 2010
SITE GRADING PLAN

project	55366	contract	458383
drawing	C04		rev. 0

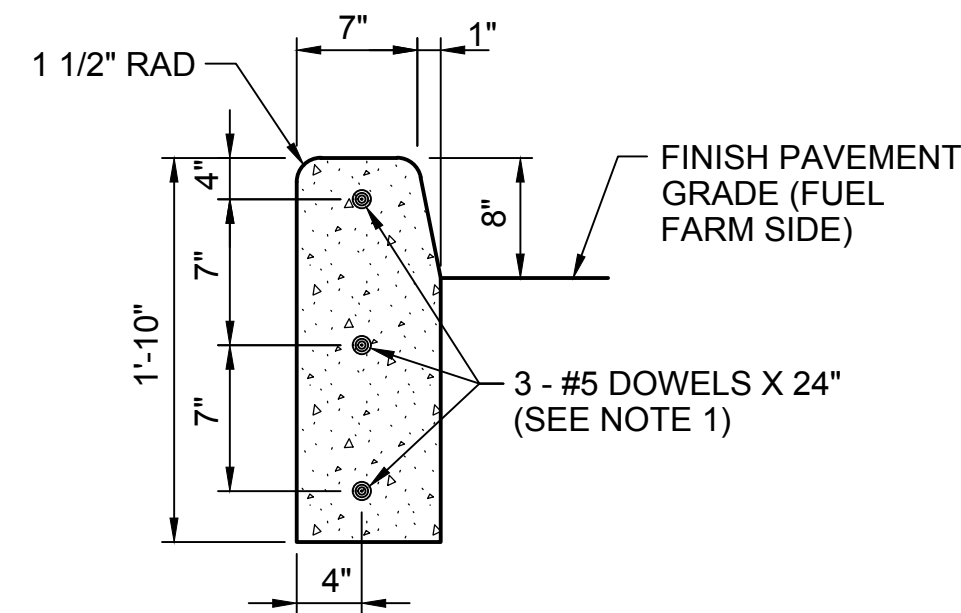
file 55366C04.DWG

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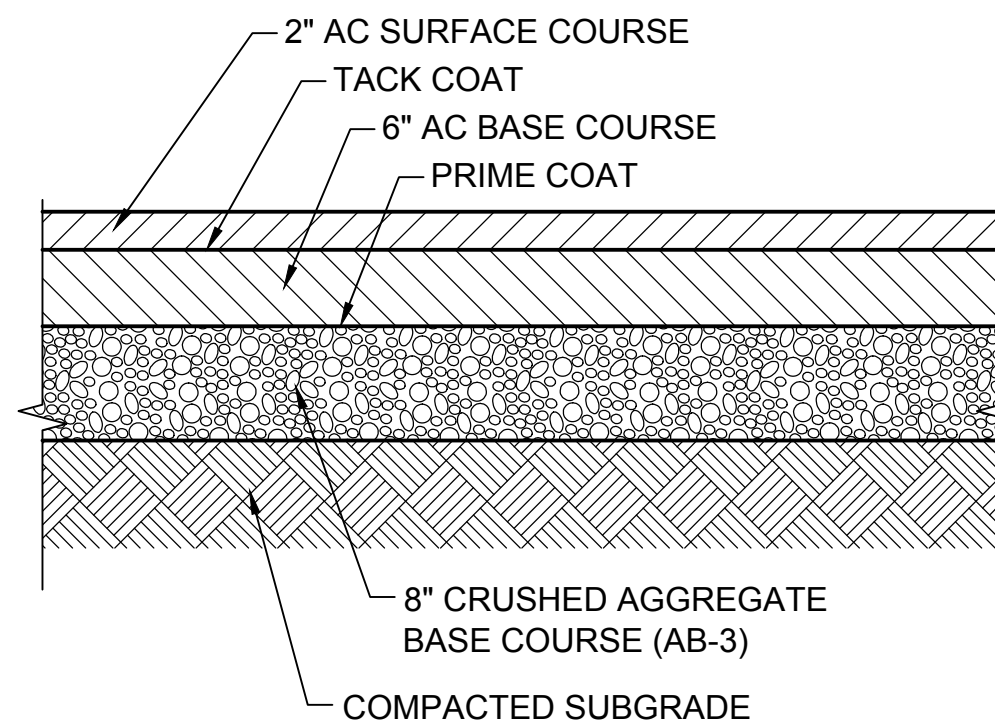
- NOTES:**
1. APPLY TACK COATS TO EXISTING PAVEMENT.

PAVEMENT REMOVAL AND REPLACEMENT DETAIL

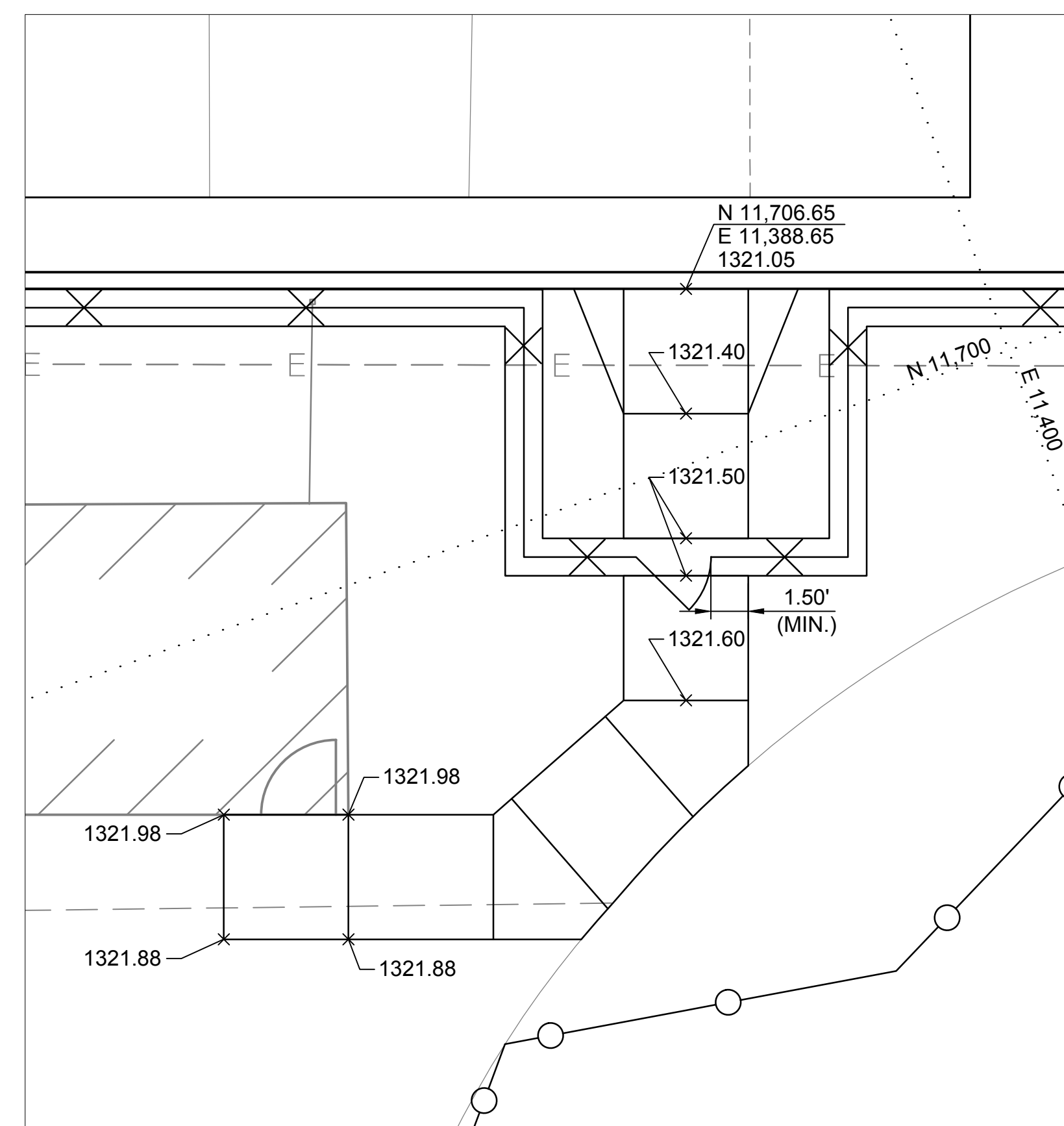


- NOTES:**
1. PLACE 1/2" EXPANSION JOINTS WITH 2' DOWELS AT RADIUS POINTS. THESE DOWELS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
 2. INSTALL 1 1/2" DEEP CONTRACTION JOINTS AT APPROXIMATELY 15' INTERVALS.
 3. FORM IS REQUIRED BELOW GRADE.
 4. SEAL ALL JOINTS IN CURB WITH NON-LEVELING SILICONE AS SPECIFIED IN SECTION 413.
 5. CONCRETE FOR CURB SHALL BE 4,000 PSI CONCRETE AS SPECIFIED IN SECTION 03300.

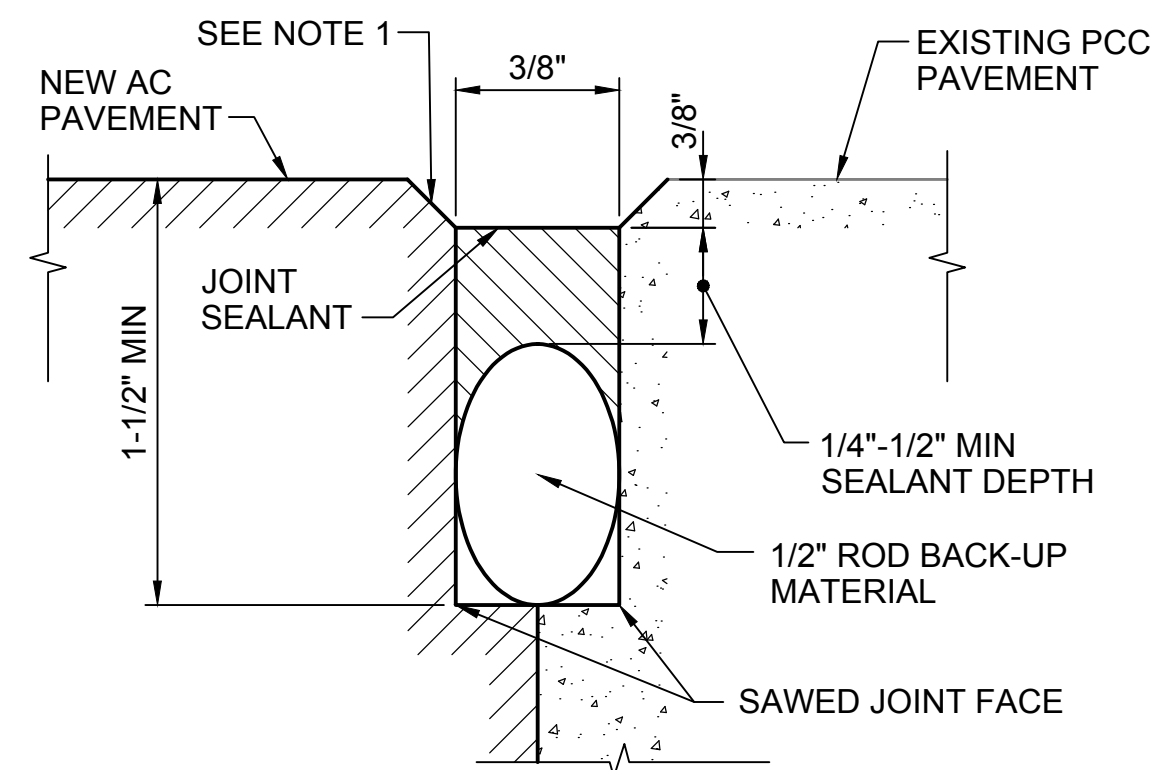
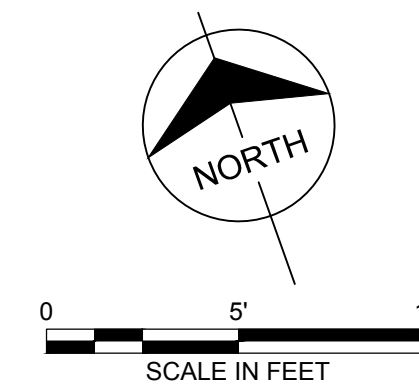
8" VERTICAL CURB



TYPICAL FLEXIBLE PAVEMENT DETAIL

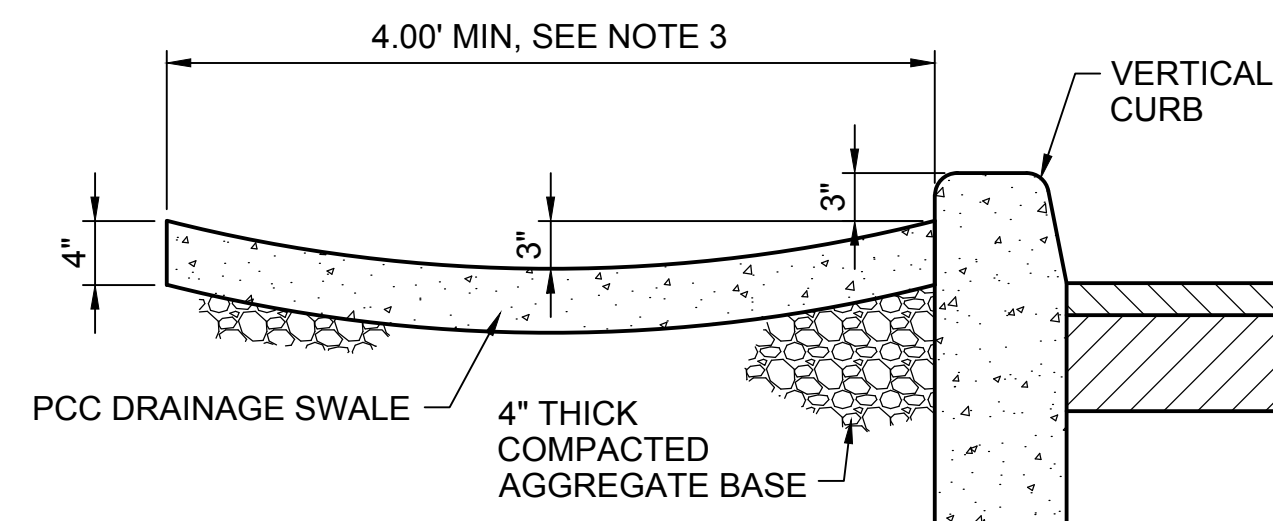
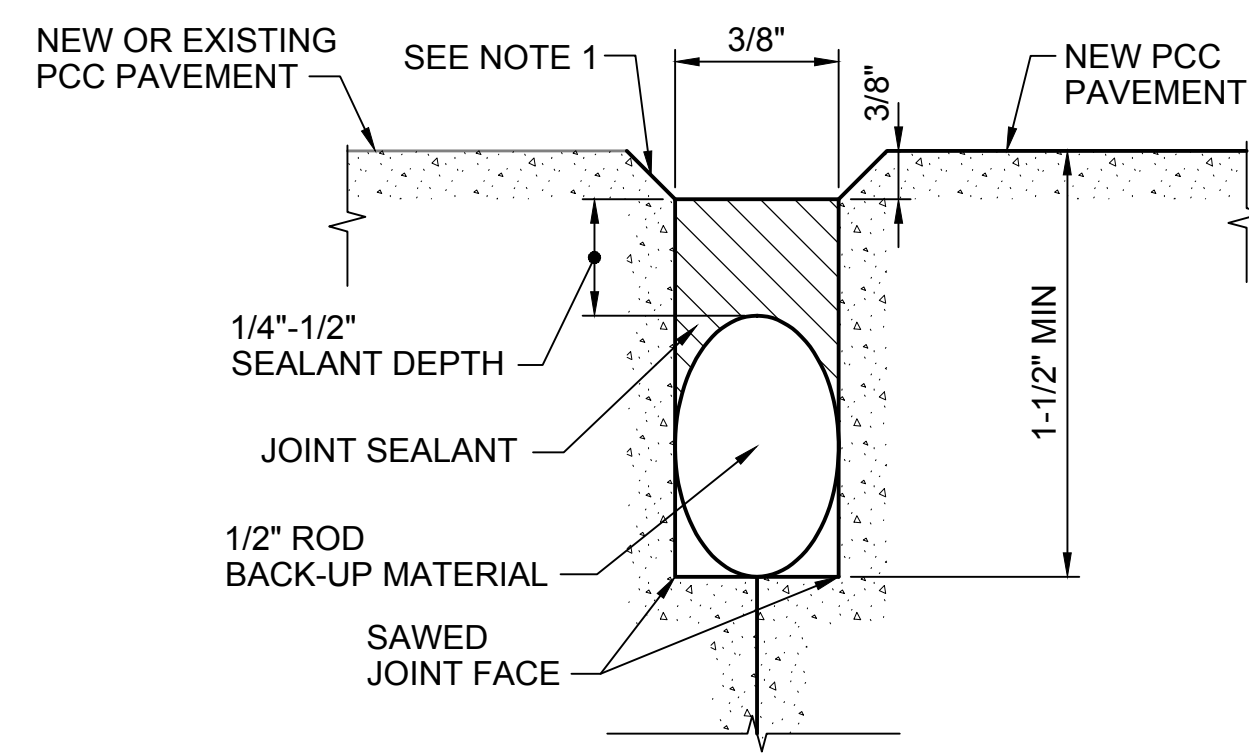


- NOTES:**
1. INSTALL EXPANSION BOARD WHERE NEW SIDEWALK ABUTS NEW CURB, FENCE FOOTING, BUILDING, AND DIRECTION CHANGES. ALL OTHER JOINTS TO BE CONTRACTION JOINTS.
 2. PROVIDE MAXIMUM 2% CROSS SLOPE ON NEW SIDEWALK.



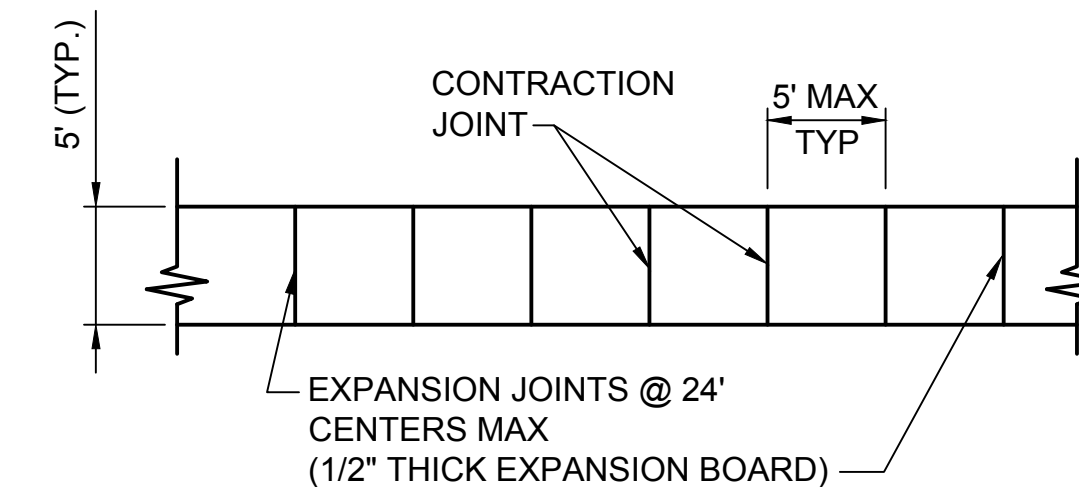
- NOTES:**
1. 1/4" BEVEL BY SAWCUTTING.
 2. FINAL SEALANT WIDTH/DEPTH RATIO SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 3. SEAL ALL NEW PCC PAVEMENT JOINTS WITH SELF-LEVELING SILICONE (TYPE SL). SEE SECTION 413.
 4. NO SEALING REQUIRED WHERE NEW AC PAVEMENT ABUTS EXISTING AC PAVEMENT.

PAVEMENT JOINT SEALANT



- NOTES:**
1. CONSTRUCT DRAINAGE SWALE USING SYNTHETIC FIBER-REINFORCED CONCRETE (2,500 PSI). SYNTHETIC FIBERS SHALL CONFORM TO ASTM C1116 TYPE III. FOLLOW SYNTHETIC FIBER MANUFACTURER'S INSTRUCTIONS FOR BATCHING, MIXING, PLACEMENT, AND FINISHING.
 2. INSTALL TRANSVERSE CONTRACTION JOINTS AT 5 FT. INTERVALS. NO SEALANT IS REQUIRED.
 3. WIDEN DRAINAGE SWALE TO ABUT CHAIN LINK FENCE FOOTING WHERE SHOWN ON PLAN VIEW (SEE DWG C03).

PCC DRAINAGE SWALE



- NOTES:**
1. CONSTRUCT 4" THICK PCC SIDEWALK OVER 4" THICK COMPACTED AGGREGATE BASE. COMPACT SUBGRADE UNDER AGGREGATE BASE.
 2. CONCRETE SHALL BE 2,500 PSI CONCRETE AS SPECIFIED IN SECTION 03300.

TYPICAL SIDEWALK



no.	date	by	ckd	description
0	08/05/11	CGB	JBB	ISSUED FOR BID
	08/01/12	CGB		CONFORMING TO STORM DRAIN CONSTRUCTION RECORDS

RECORD DRAWING

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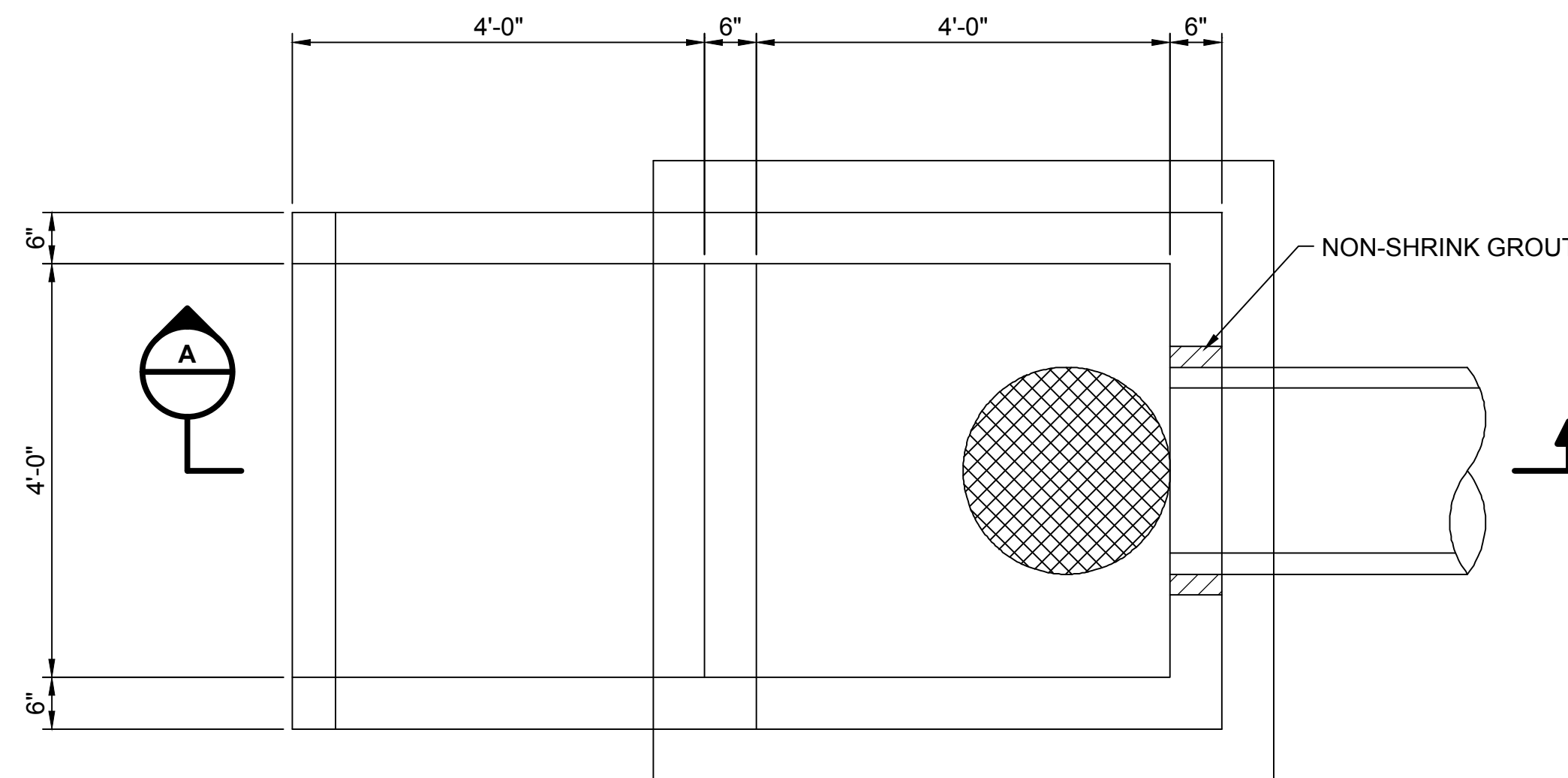
date	04/05/10	detailed	C. KUNTZ
designed	C. BURCHETT	checked	J. BAKKER



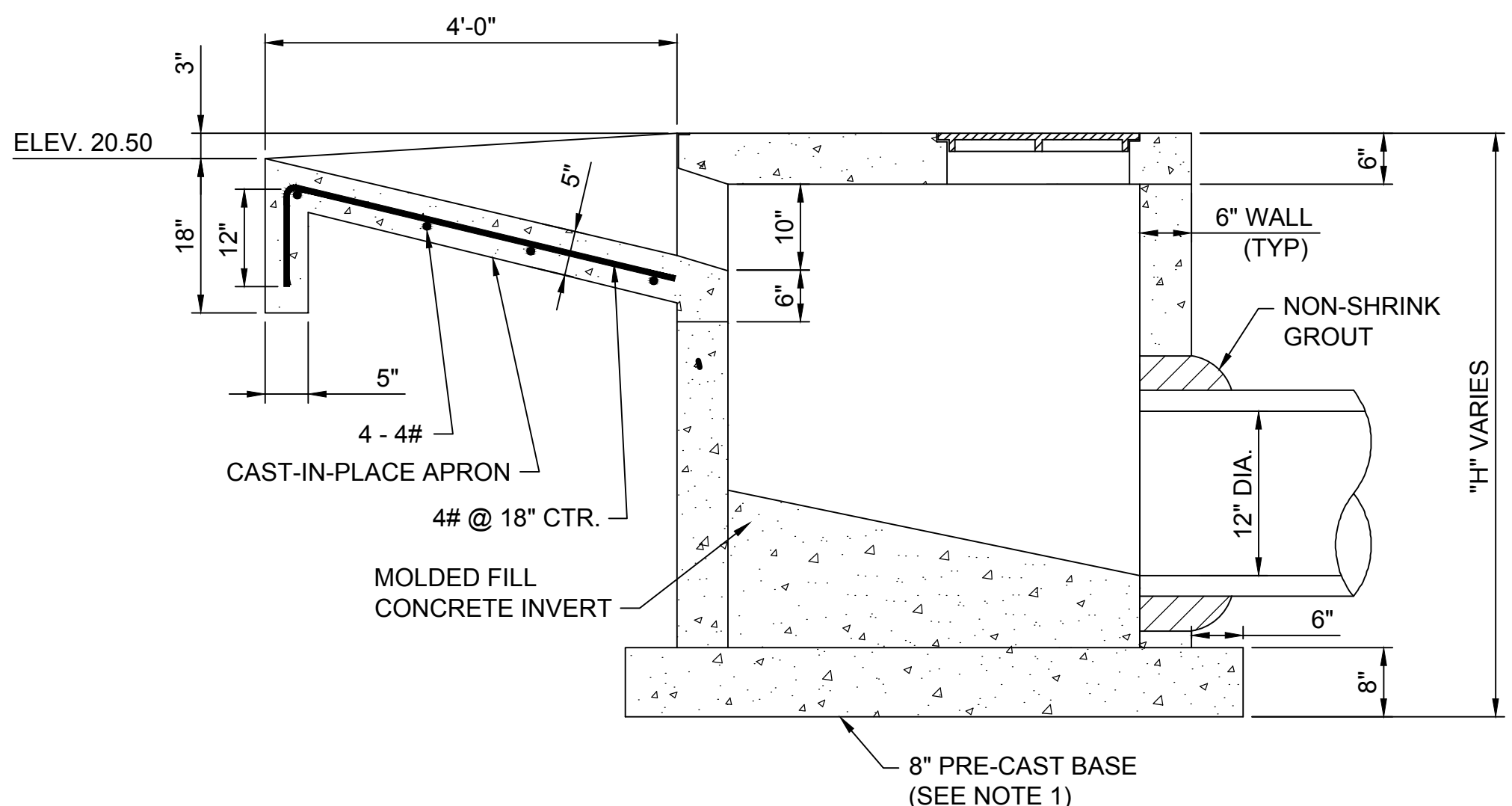
FUEL FARM IMPROVEMENTS - 2010
CIVIL DETAILS - 1

project	55366	contract	458383
drawing	C05	rev.	0
SHEET			
file 55366C05.DWG			

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PLAN
TYPICAL PRE-CAST AREA INLET
DETAIL NOT TO SCALE



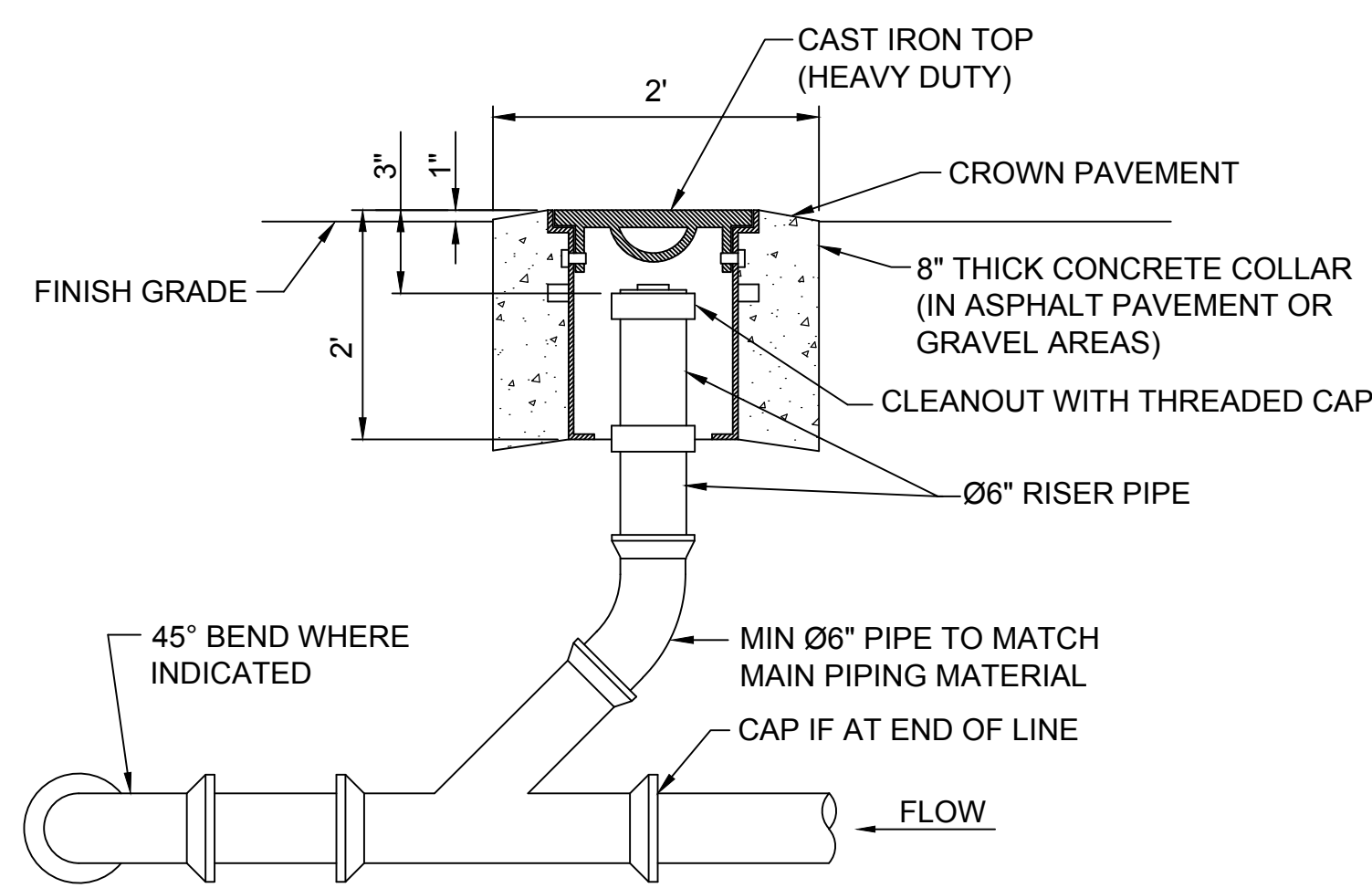
SECTION
NOT TO SCALE

- NOTES:**
1. BASE SLAB FOR PRECAST INLETS TO BE AS SHOWN OR MAY BE CONSTRUCTED AS SHOWN ON DETAIL 3, DRAWING C10.
 2. BRICK MASONRY STRUCTURES ARE NOT APPLICABLE TO THIS PROJECT.

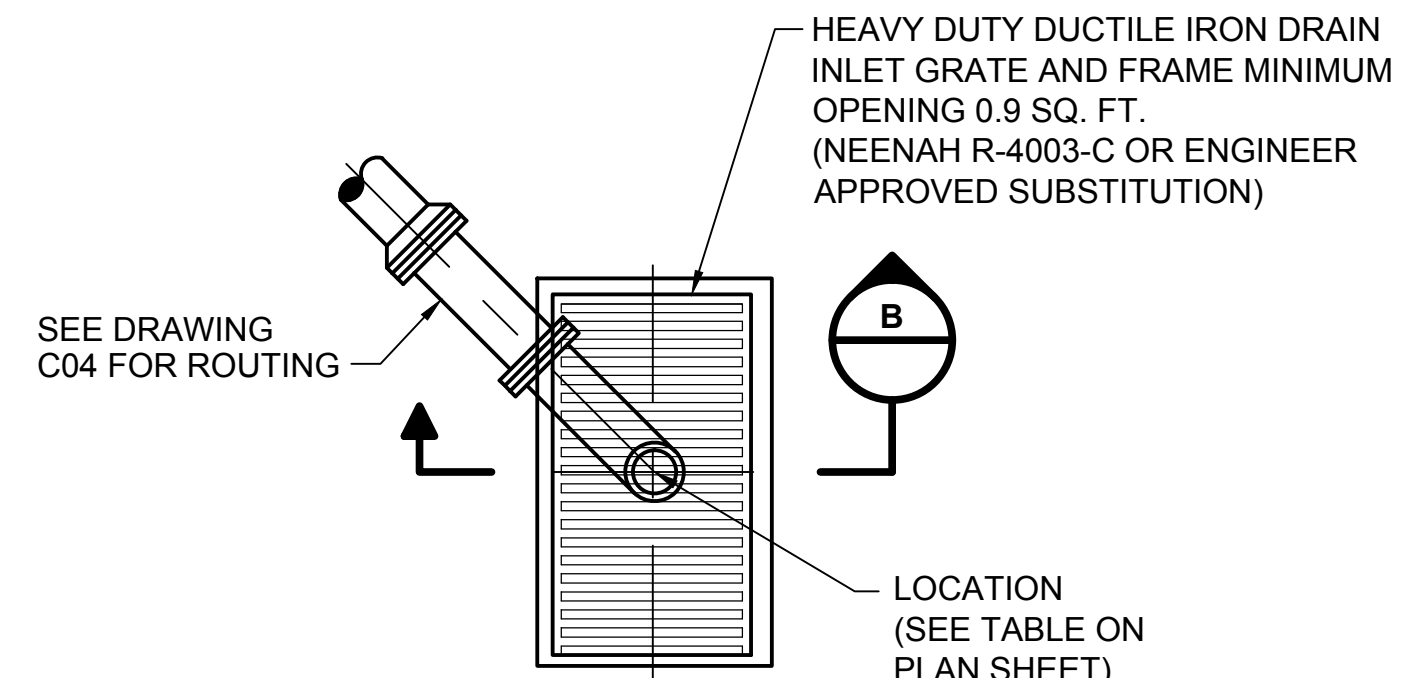
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1	08/01/12	CGB		CONFORMING TO STORM DRAIN CONSTRUCTION RECORDS

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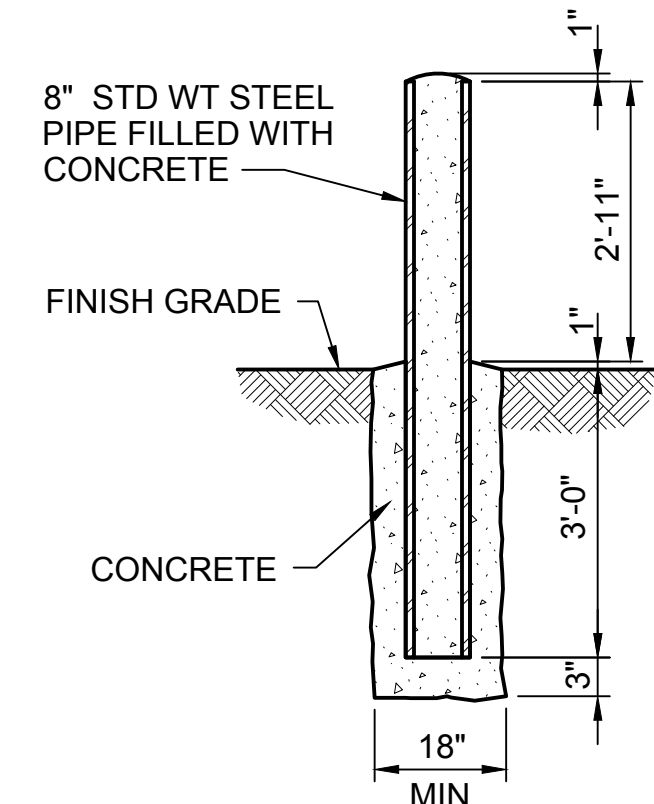
Scale For Microfitting
Millimeters
Inches



DETAIL
TYPICAL CLEANOUT (CO)
NOT TO SCALE

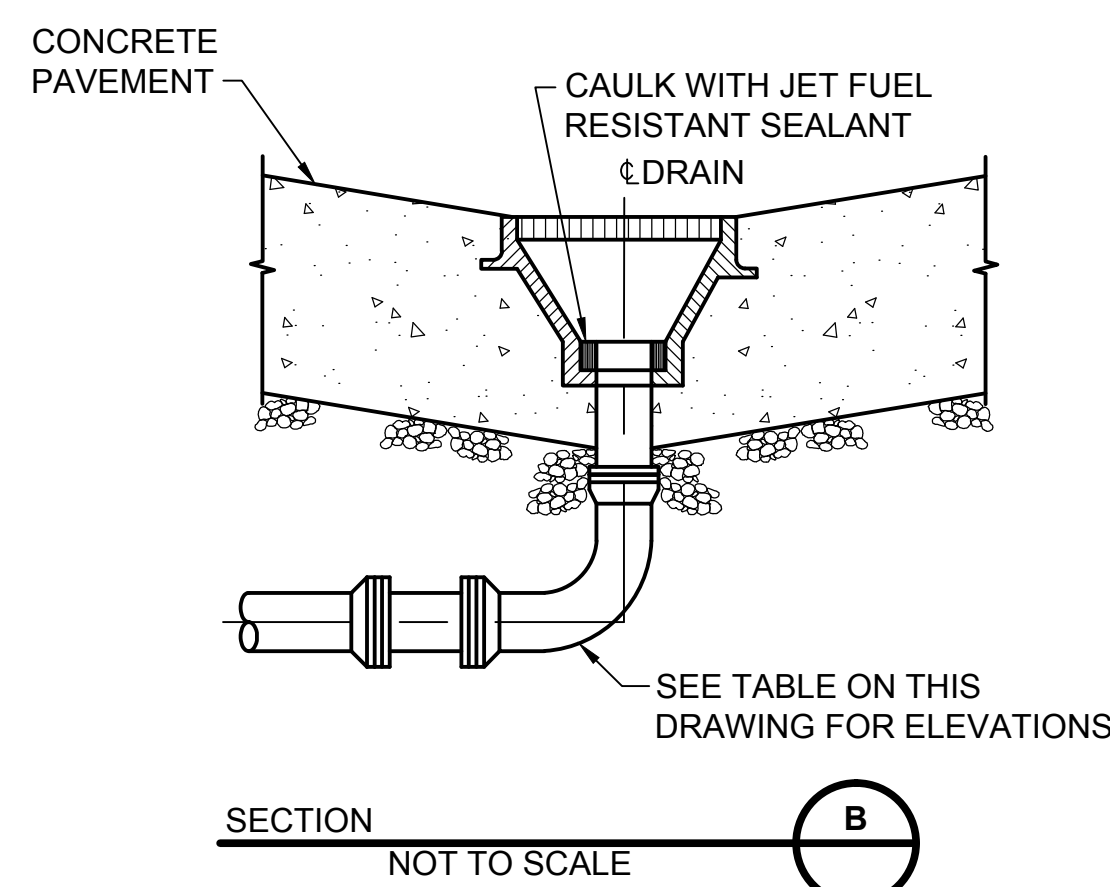


DETAIL
TYPICAL CONTAINMENT DRAIN INLET
NOT TO SCALE



- NOTES:**
1. PREPARE SURFACE IN FIELD BY SSPC-SP3 METHODS TO SSPC-SP6 QUALITY AND 1.0 MIL MIN PROFILE DEPTH. FIRST COAT SHALL BE ALKYD PRIMER AT MIN 40% SOLIDS BY VOLUME, APPLIED AT 2 MILS DRY. SECOND AND THIRD COATS SHALL BE ALKYD GLOSS ENAMEL MIN 40% SOLIDS BY VOLUME. EACH COAT APPLIED AT 1.5 MILS DRY. TOTAL COATING 5 MIL MIN DRY FILM.
 2. PAINT GUARD POSTS WITH PORTER GUARD FAST DRY ALKYD ENAMEL NO. 2754 SAFETY YELLOW.

DETAIL
GUARD POST
NOT TO SCALE



SECTION
NOT TO SCALE

STORM DRAINAGE STRUCTURES					
STRUC	RIM/TOP	INV IN	INV IN	INV OUT	REMARKS
AI-1	1320.75			1315.50	DETAIL 1, DWG C09
SDMH-1	1320.59	1313.50 (N)	1313.19 (S)	1313.29 (E)	MODIFY EXISTING BRICK MH FOR NEW PIPE

CONTAINMENT DRAIN STRUCTURES					
STRUC	RIM/TOP	INV IN	INV IN	INV OUT	REMARKS
CDMH-1	1321.75	1316.82 (W)	1316.57 (N)	1316.47	DETAIL 4, DWG C10
CDMH-2	1320.62	1315.85 (W)	1316.00 (N)	1315.77 (S)	MODIFY EXISTING MH
CD-1					RE-INSTALL EXIST INLET, SEE DWG S03
CD-2					RE-INSTALL EXIST INLET, SEE DWG S03
CD-3					RE-INSTALL EXIST INLET, SEE DWG S03
CD-4					RE-INSTALL EXIST INLET, SEE DWG S03
CD-5	1321.20	1319.20			DETAIL 3, DWG C09
CD-6	1320.50	1318.50			DETAIL 3, DWG C09
CI-1	1321.00	1315.50			DETAIL 1, DWG C10
CI-2	1321.00	1315.45			DETAIL 1, DWG C10; INSTALL OVER EXIST 12" RCP; REMOVE TOP OF EXIST. PIPE
CO-1	1322.00	1318.60			DETAIL 2, DWG C09

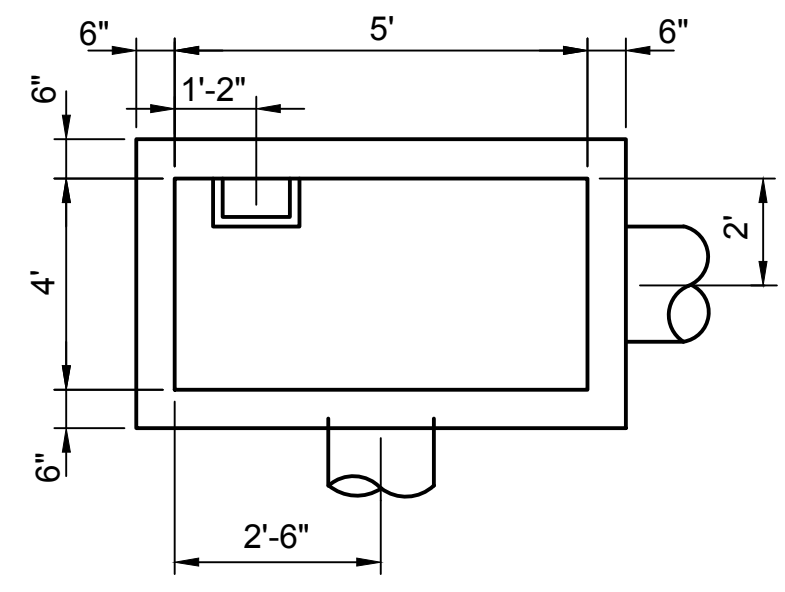


date	07/01/10	detailed	C. KUNTZ
designed	C. BURCHETT	checked	J. BAKKER

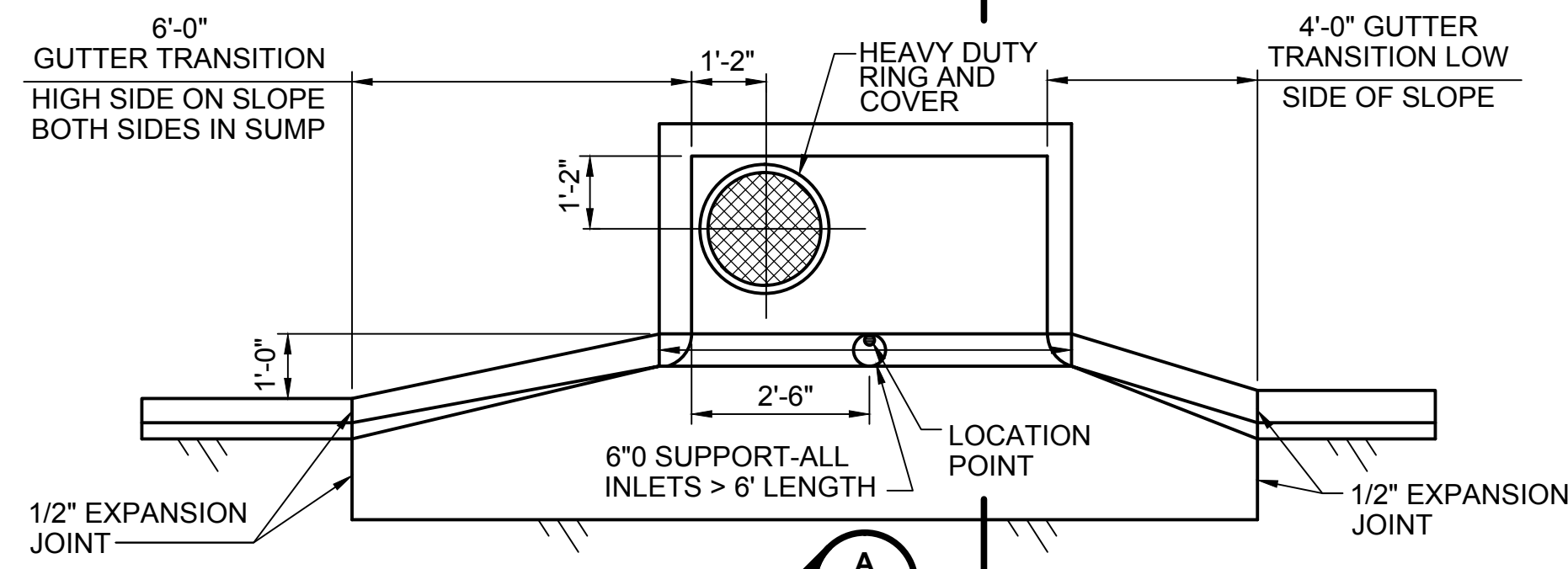


FUEL FARM IMPROVEMENTS - 2010
CIVIL DETAILS - 5

project	55366	contract	458383
drawing	C09 - 0		



BASE PLAN

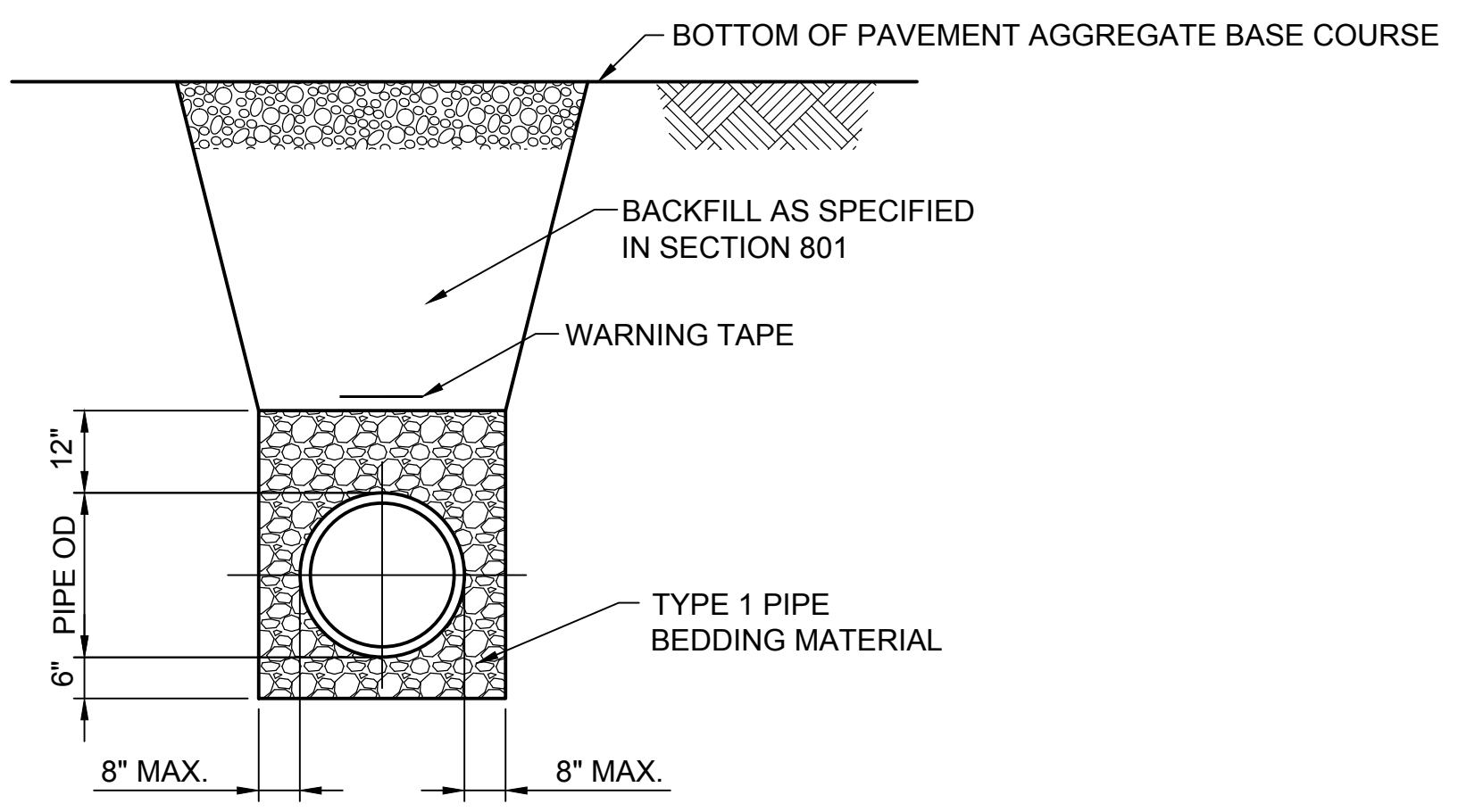


TOP PLAN

TYPICAL PRE-CAST CURB INLET

DETAIL NOT TO SCALE (1)

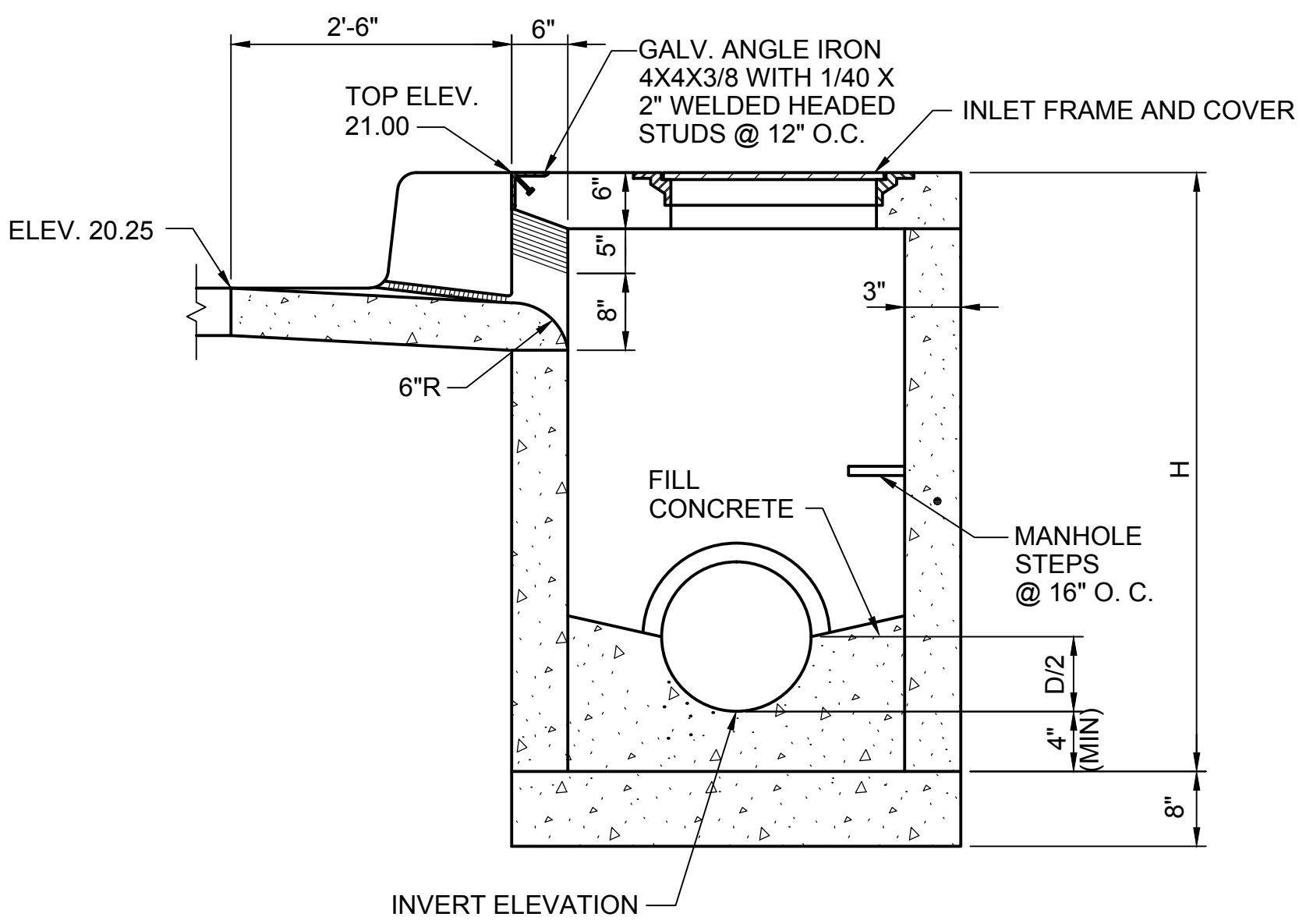
- NOTES:**
- GUTTER TRANSITION DETAILS SHOWN ARE ALSO TYPICAL FOR PRECAST CURB INLETS.
 - SLOPE TOP OF ALL INLETS TO MATCH CURB GRADE AT INLET.
 - BASE SLAB FOR PRECAST INLETS TO BE AS SHOWN, EXCEPT INLET MAY BE BLOCKED TO GRADE AND INVERT AND BASE SLAB PLACED IN ONE POUR.
 - SEAL JOINTS BETWEEN BASE SECTION, RISER SECTIONS, AND TOP SLAB ON THE INSIDE OF THE STRUCTURE WITH JET FUEL-RESISTANT SEALANT CONFORMING TO FS SS-S-200. SEALANT SHALL BE TWO COMPONENT, MODIFIED URETHANE (SELF-LEVELING FOR HORIZONTAL SURFACES, NON-SAG FOR VERTICAL AND SLOPING SURFACES).



PIPE TRENCH

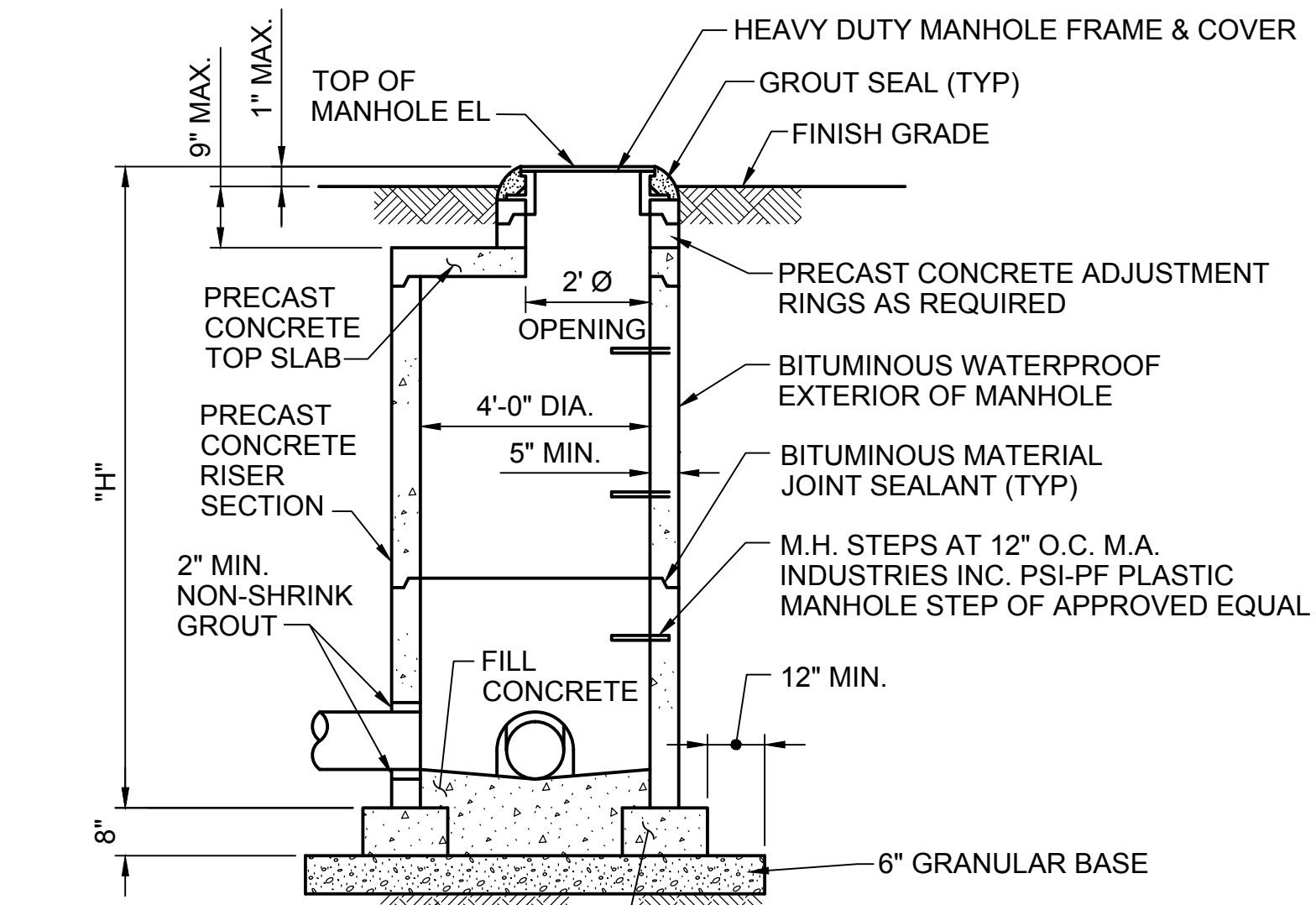
DETAIL NOT TO SCALE (2)

- NOTES:**
- TRENCH CONSOLIDATION BY FLUSHING IS NOT APPLICABLE TO THIS PROJECT.

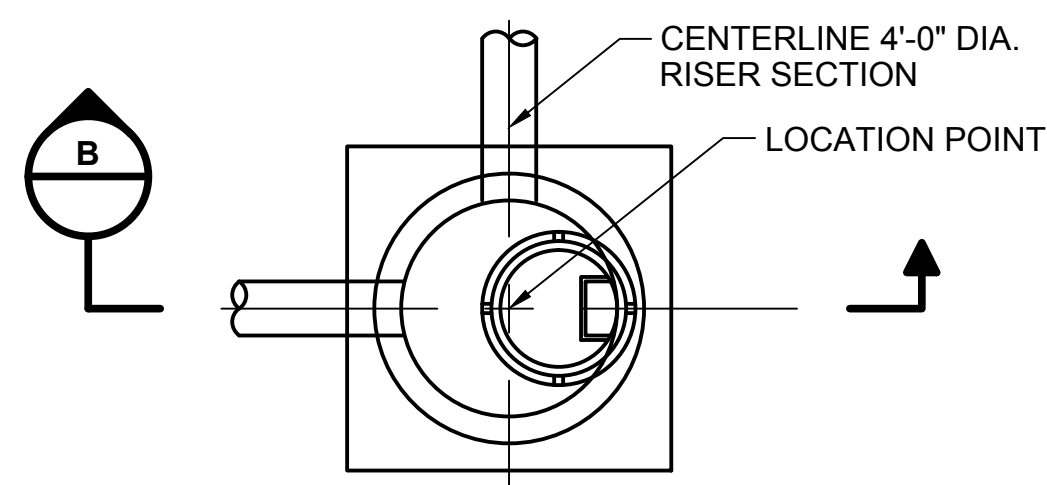


TYPICAL SECTION

SECTION NOT TO SCALE (A)



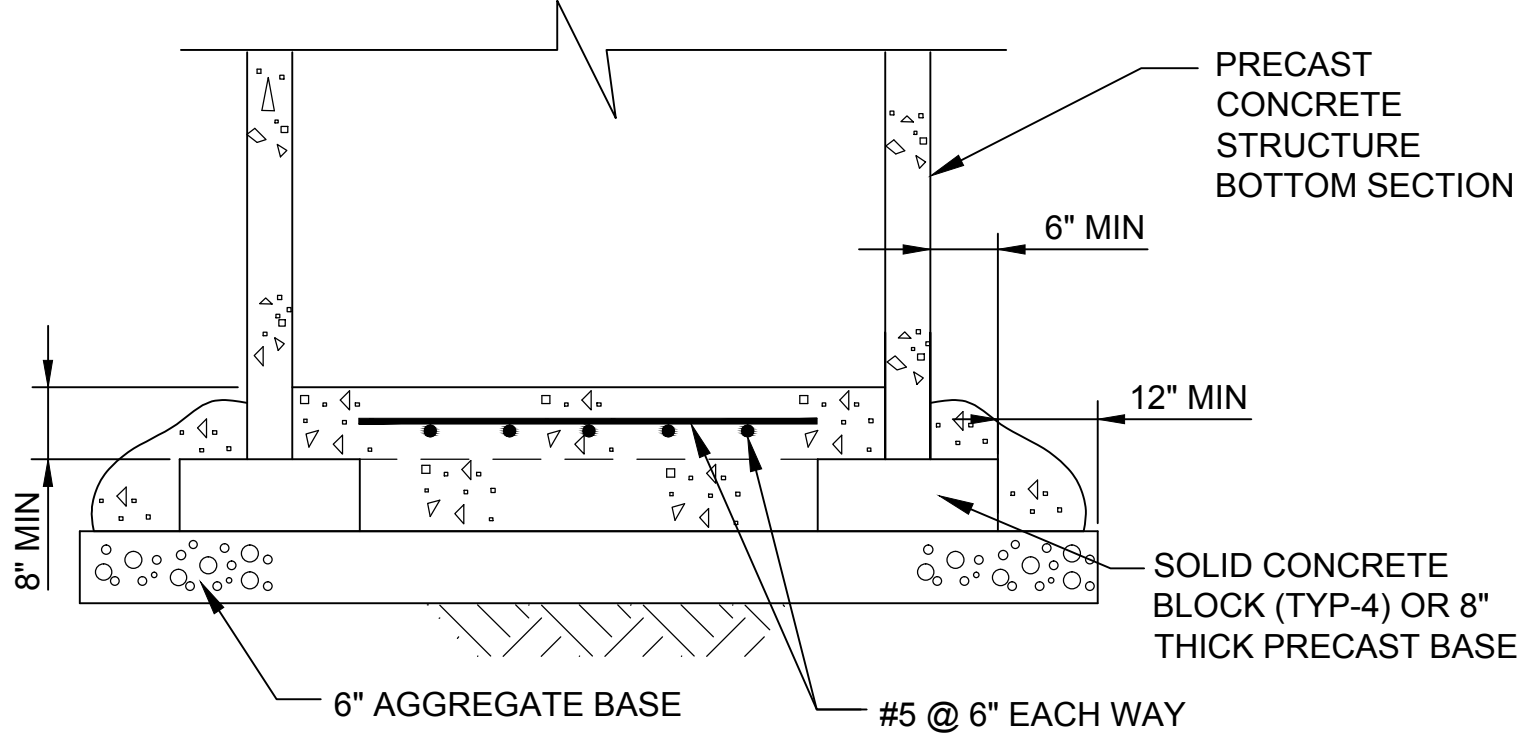
SECTION NOT TO SCALE (B)



PLAN

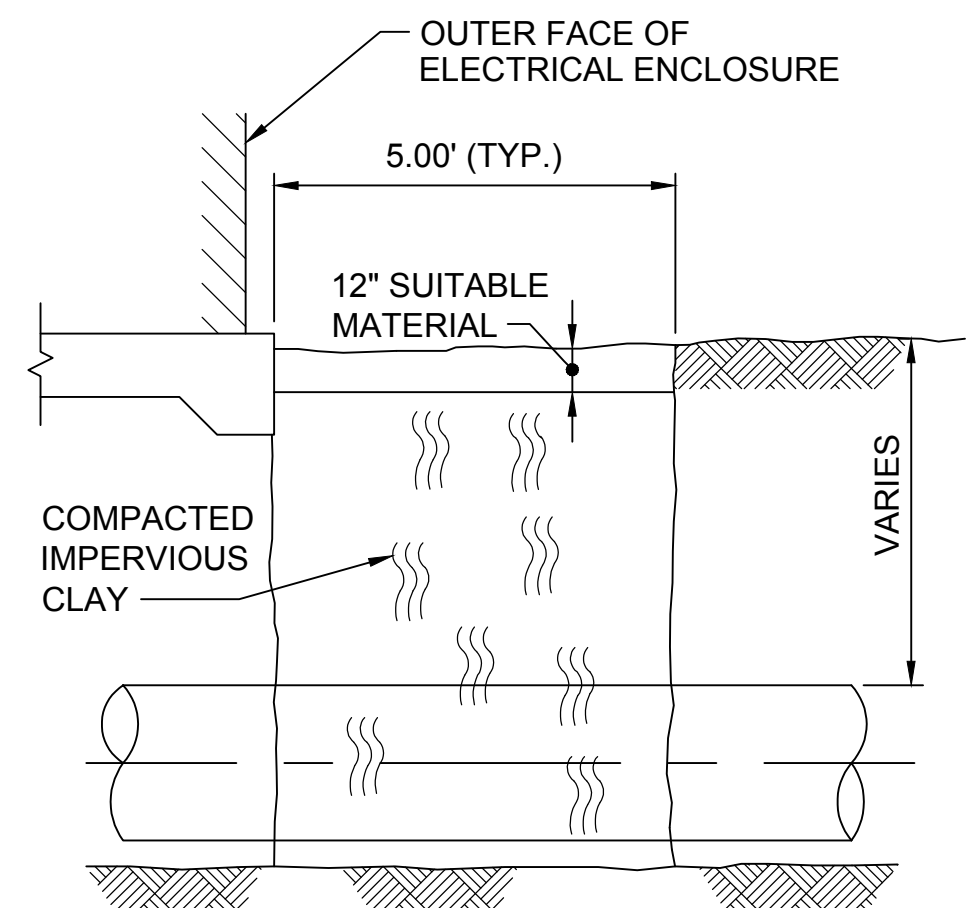
TYPICAL PRE-CAST MANHOLE

DETAIL NOT TO SCALE (4)



TYPICAL PRE-CAST STRUCTURE BASE DETAIL

DETAIL NOT TO SCALE (3)



PROFILE

IMPERVIOUS TRENCH PLUG DETAIL

DETAIL NOT TO SCALE (5)

- NOTES:**
- USE IMPERVIOUS TRENCH PLUG WHERE ANY UTILITY PENETRATES BENEATH THE ELECTRICAL ENCLOSURE.

no.	date	by	ckd	description
0	08/05/11	CGB	JBB	ISSUED FOR BID
	08/01/12	CGB		CONFORMING TO STORM DRAIN CONSTRUCTION RECORDS

RECORD DRAWING

DRAWINGS INCLUDED IN THIS RECORD SET GENERALLY INCLUDE 'AS-BUILT' INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR AND MAY NOT MATCH ACTUAL FIELD CONDITIONS.



date	04/05/10	detailed	C. KUNTZ
designed	C. BURCHETT	checked	J. BAKKER



FUEL FARM IMPROVEMENTS - 2010
CIVIL DETAILS - 6

project	55366	contract	458383
drawing	C10 - 0		

file 55366C10.DWG

Scale For Microfitting
Millimeters
Inches

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