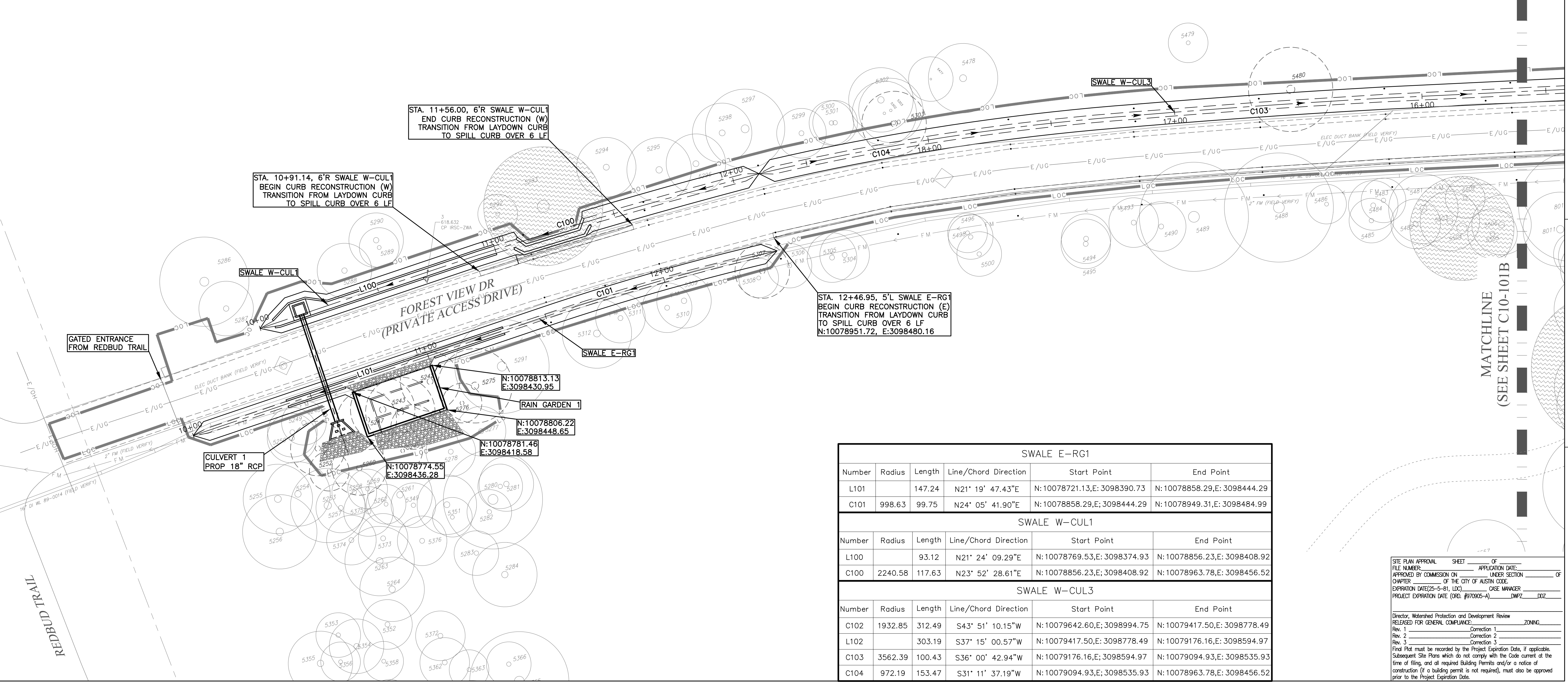


CADD FILE: \\CAS-DATASERVER\WATER\ACTIVE PROJECTS\COA W & WW LARGE & SMALL SCALE FACILITIES\DR\ULLRICH LSPS\_SWITCHGEAR\_PROJECT\3.0\_WORK PRODUCTS\3.6\_CAD\1126SITE01\_PLOTTED: 1/15/2021 12:44:49 PM BY: JANE FU\_CTB FILE: CAS\_CTB

1 2 3 4 5 6 7 8

**LEGEND**

- LIMITS OF CONSTRUCTION
- PROPOSED FENCE
- 100 YEAR FLOOD PLAIN
- EXISTING PROPERTY LINE
- WATER QUALITY TRANSITION ZONE
- CRITICAL WATER QUALITY ZONE
- EASEMENT LINES
- EXISTING OVERHEAD ELECTRIC
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO REMAIN
- EXISTING HERITAGE TREE



SWALE E-RG1					
Number	Radius	Length	Line/Chord Direction	Start Point	End Point
L101		147.24	N21° 19' 47.43"E	N:10078721.13,E:3098390.73	N:10078858.29,E:3098444.29
C101	998.63	99.75	N24° 05' 41.90"E	N:10078858.29,E:3098444.29	N:10078949.31,E:3098484.99

SWALE W-CUL1					
Number	Radius	Length	Line/Chord Direction	Start Point	End Point
L100		93.12	N21° 24' 09.29"E	N:10078769.53,E:3098374.93	N:10078856.23,E:3098408.92
C100	2240.58	117.63	N23° 52' 28.61"E	N:10078856.23,E:3098408.92	N:10078963.78,E:3098456.52

SWALE W-CUL3					
Number	Radius	Length	Line/Chord Direction	Start Point	End Point
C102	1932.85	312.49	S43° 51' 10.15"W	N:10079642.60,E:3098994.75	N:10079417.50,E:3098778.49
L102		303.19	S37° 15' 00.57"W	N:10079417.50,E:3098778.49	N:10079176.16,E:3098594.97
C103	3562.39	100.43	S36° 00' 42.94"W	N:10079176.16,E:3098594.97	N:10079094.93,E:3098535.93
C104	972.19	153.47	S31° 11' 37.19"W	N:10079094.93,E:3098535.93	N:10078963.78,E:3098456.52

**SITE PLAN APPROVAL SHEET**

FILE NUMBER: \_\_\_\_\_ APPLICATION DATE: \_\_\_\_\_  
 APPROVED BY COMMISSION ON \_\_\_\_\_ UNDER SECTION \_\_\_\_\_ OF  
 CHAPTER \_\_\_\_\_ OF THE CITY OF AUSTIN CODE.  
 EXPIRATION DATE(25-5-81, LDC) \_\_\_\_\_ CASE MANAGER \_\_\_\_\_  
 PROJECT EXPIRATION DATE (ORD. #970905-A) \_\_\_\_\_ DMPZ \_\_\_\_\_

Director, Watershed Protection and Development Review  
 RELEASED FOR GENERAL COMPLIANCE \_\_\_\_\_ ZONING \_\_\_\_\_

Rev. 1 \_\_\_\_\_ Correction 1 \_\_\_\_\_  
 Rev. 2 \_\_\_\_\_ Correction 2 \_\_\_\_\_  
 Rev. 3 \_\_\_\_\_ Correction 3 \_\_\_\_\_

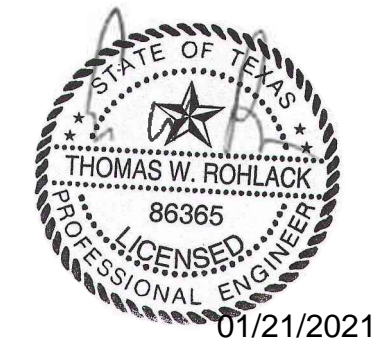
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 prior to the Project Expiration Date.



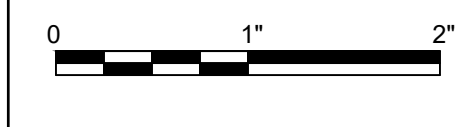
ISSUE	DATE	DESCRIPTION
0	01/21/2021	CONFORMED CONTRACT DRAWINGS

**PROJECT MANAGER**

DESIGNED BY	
DRAWN BY	
CHECKED BY	
DATE	
PROJECT NUMBER	1126



**ULLRICH WTP  
 LOW SERVICE PUMP STATION  
 ELECTRICAL FEED RENEWAL**



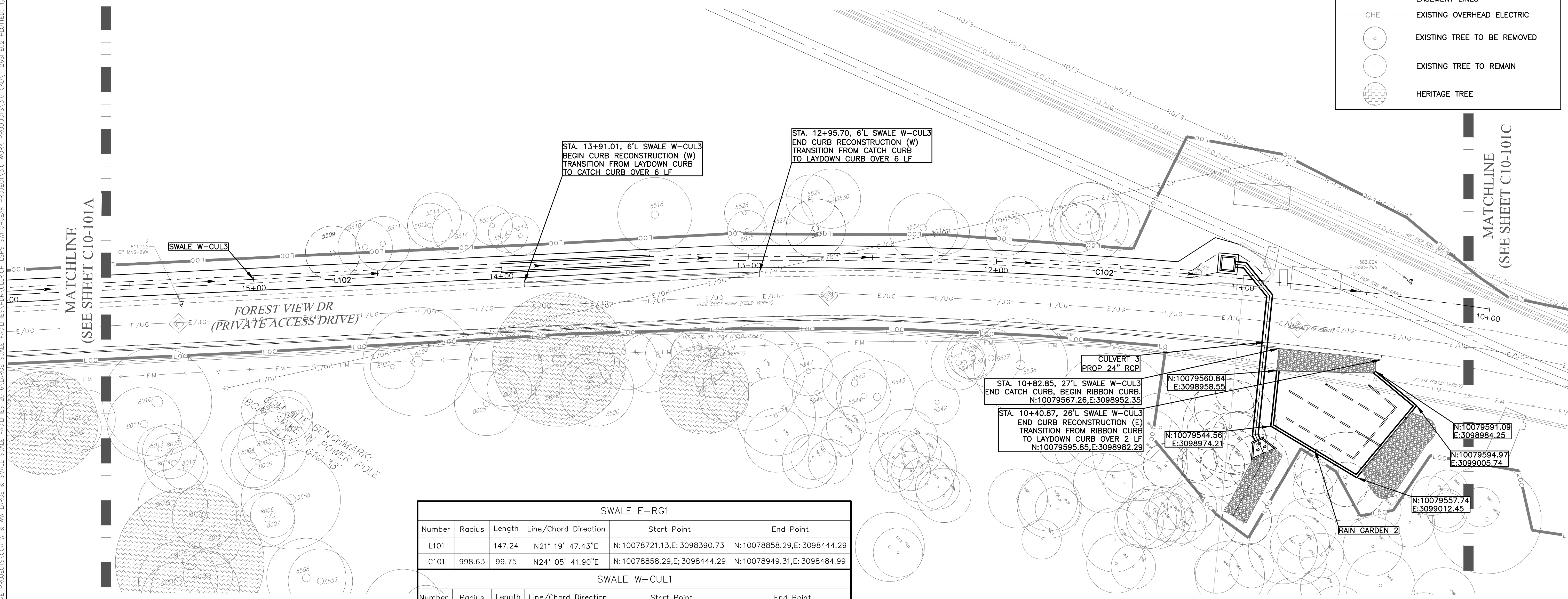
FILENAME 1126SITE01  
 SCALE 1" = 20'

SHEET 8 of 30  
**C10-101A**

CADD FILE: \\CAS-DATASERVER\WATER\ACTIVE PROJECTS\COA W & WW LARGE & SMALL SCALE FACILITIES\ULLRICH\_LSPS\_SWITCHGEAR\_PROJECT\3.0\_WORK\_PRODUCTS\3.6\_CAD\1126SITE02\_PLOTTED: 1/15/2021 12:47:47 PM BY: JANE FU CTB FILE: CAS.CTB



LEGEND	
	LIMITS OF CONSTRUCTION
	PROPOSED FENCE
	100 YEAR FLOOD PLAIN
	EXISTING PROPERTY LINE
	WATER QUALITY TRANSITION ZONE
	CRITICAL WATER QUALITY ZONE
	EASEMENT LINES
	EXISTING OVERHEAD ELECTRIC
	EXISTING TREE TO BE REMOVED
	EXISTING TREE TO REMAIN
	HERITAGE TREE



SWALE E-RG1					
Number	Radius	Length	Line/Chord Direction	Start Point	End Point
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Number	Radius	Length	Line/Chord Direction	Start Point	End Point
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C104	972.19	153.47	S31° 11' 37.19"W	N:10079094.93,E:3098535.93	N:10078963.78,E:3098456.52

SITE PLAN APPROVAL SHEET OF	FILE NUMBER	APPLICATION DATE
APPROVED BY COMMISSION ON	LINEAR SECTION	OF
CHAPTER	OF THE CITY OF AUSTIN CODE	
EXPIRATION DATE(25-5-81, LDC)	CASE MANAGER	
PROJECT EXPIRATION DATE (ORD. #97095-A)	DMPZ	DOZ

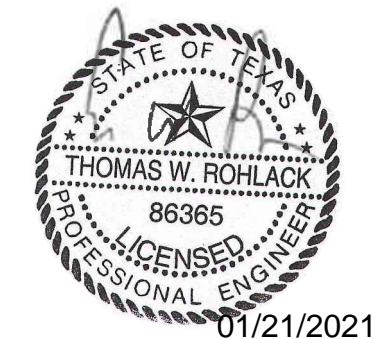
Director, Watershed Protection and Development Review	ZONING
RELEASED FOR GENERAL COMPLIANCE	
Rev. 1	Correction 1
Rev. 2	Correction 2
Rev. 3	Correction 3

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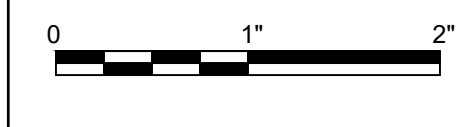


ISSUE	DATE	DESCRIPTION
0	01/21/2021	CONFORMED CONTRACT DRAWINGS

PROJECT MANAGER	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
DATE	01/21/2021
PROJECT NUMBER	1126

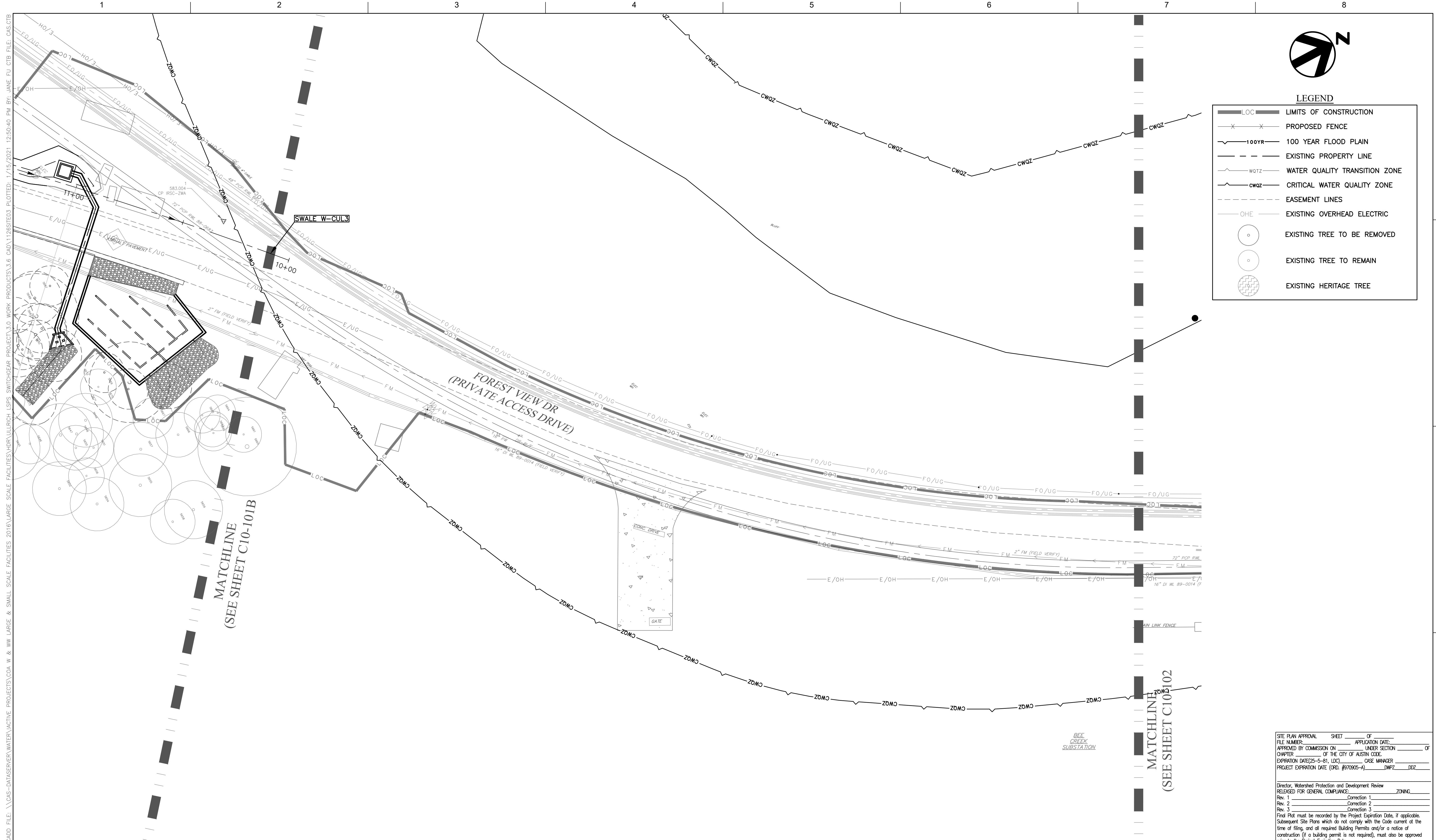


ULLRICH WTP  
 LOW SERVICE PUMP STATION  
 ELECTRICAL FEED RENEWAL



FILENAME 1126SITE02  
 SCALE 1" = 20'

SHEET 9 of 350  
**C10-101B**



**LEGEND**

	LOC	LIMITS OF CONSTRUCTION
		PROPOSED FENCE
	100YR	100 YEAR FLOOD PLAIN
		EXISTING PROPERTY LINE
	WQTZ	WATER QUALITY TRANSITION ZONE
	CWQZ	CRITICAL WATER QUALITY ZONE
		EASEMENT LINES
	OHE	EXISTING OVERHEAD ELECTRIC
		EXISTING TREE TO BE REMOVED
		EXISTING TREE TO REMAIN
		EXISTING HERITAGE TREE

SITE PLAN APPROVAL SHEET OF \_\_\_\_\_ OF \_\_\_\_\_

FILE NUMBER \_\_\_\_\_ APPLICATION DATE: \_\_\_\_\_

APPROVED BY COMMISSION ON \_\_\_\_\_ UNDER SECTION \_\_\_\_\_ OF \_\_\_\_\_

CHAPTER \_\_\_\_\_ OF THE CITY OF AUSTIN CODE.

EXPIRATION DATE(25-5-81, LDC) \_\_\_\_\_ CASE MANAGER \_\_\_\_\_

PROJECT EXPIRATION DATE (ORD. #970905-A) \_\_\_\_\_ DMPZ \_\_\_\_\_ DOZ \_\_\_\_\_

Director, Watershed Protection and Development Review  
RELEASED FOR GENERAL COMPLIANCE: \_\_\_\_\_ ZONING: \_\_\_\_\_

Rev. 1 \_\_\_\_\_ Correction 1 \_\_\_\_\_

Rev. 2 \_\_\_\_\_ Correction 2 \_\_\_\_\_

Rev. 3 \_\_\_\_\_ Correction 3 \_\_\_\_\_

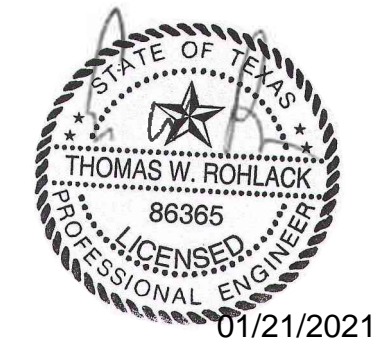
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CADD FILE: \\CAS-DATASERVER\WATER\ACTIVE\_PROJECTS\COA W & WW LARGE & SMALL SCALE FACILITIES\HULLRICH\_LSPS\_SWITCHGEAR\_PROJECT\3.0\_WORK\_PRODUCTS\3.6\_CAD\1126SITE03\_PLOTTED: 1/15/2021 12:50:40 PM BY: JANE FU CTB FILE: CAS.CTB

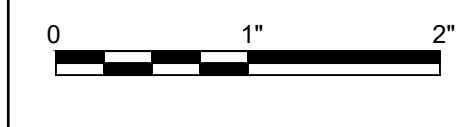


ISSUE	DATE	DESCRIPTION
0	01/21/2021	CONFORMED CONTRACT DRAWINGS

PROJECT MANAGER	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
DATE	01/21/2021
PROJECT NUMBER	1126



**ULLRICH WTP  
LOW SERVICE PUMP STATION  
ELECTRICAL FEED RENEWAL**

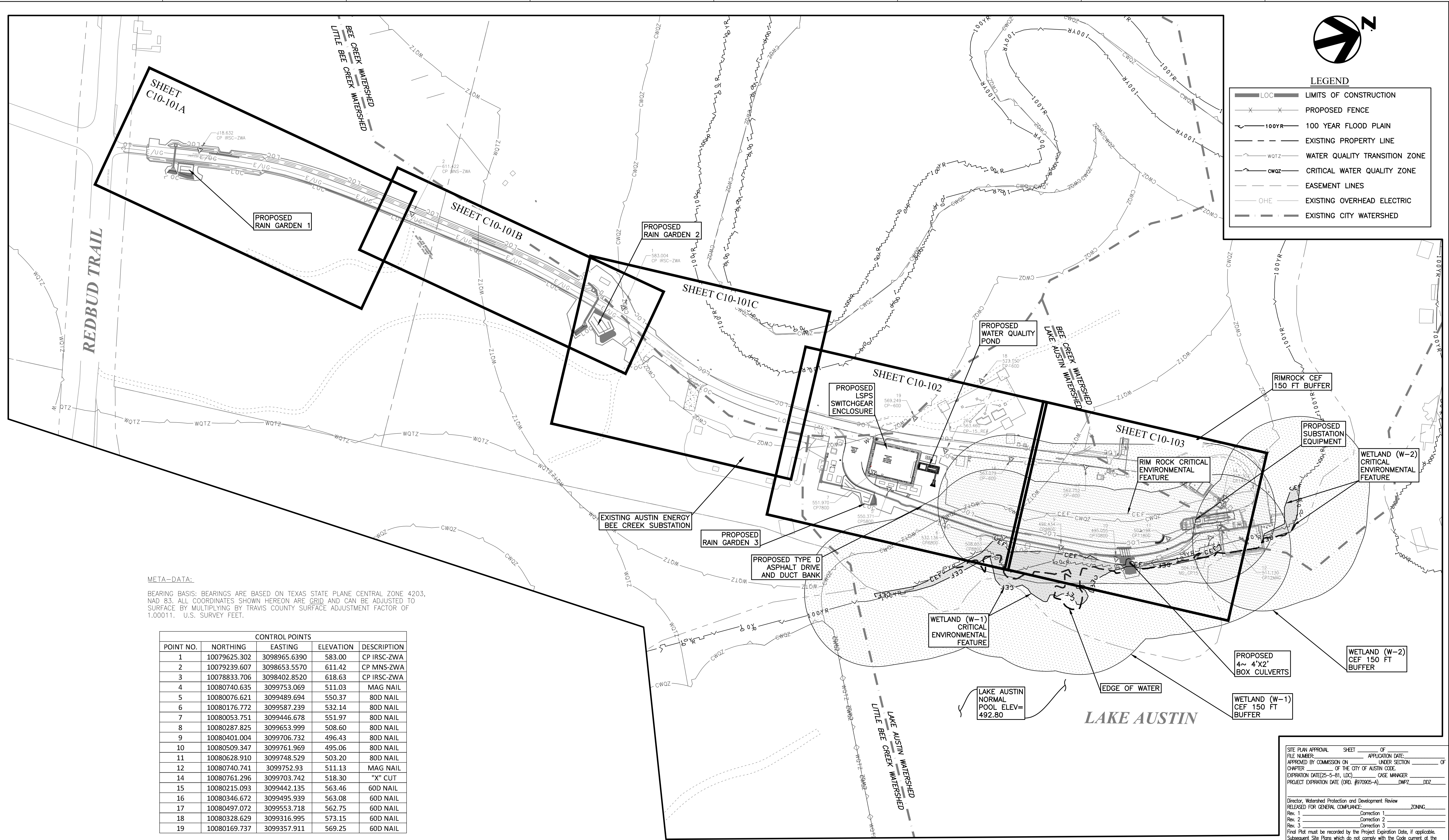


FILENAME 1126SITE03  
SCALE 1" = 20'

SHEET 10 of 350  
**C10-101C**

**SITE PLAN (3 OF 5)**

CADD FILE: \\CAS-DATASERVER\WATER\ACTIVE PROJECTS\COA.W & WW LARGE & SMALL SCALE FACILITIES\DRY\ULLRICH\_LSPS\_SWITCHGEAR\_PROJECT\3.0\_WORK PRODUCTS\3.6\_CAD\1126SITE00\_PLOTTED: 1/15/2021 12:41:36 PM BY: JANE FU CTB FILE: PL01-MSTANDARD\A1126



**META-DATA:**  
 BEARING BASIS: BEARINGS ARE BASED ON TEXAS STATE PLANE CENTRAL ZONE 4203, NAD 83. ALL COORDINATES SHOWN HEREON ARE GRID AND CAN BE ADJUSTED TO SURFACE BY MULTIPLYING BY TRAVIS COUNTY SURFACE ADJUSTMENT FACTOR OF 1.00011. U.S. SURVEY FEET.

POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	10079625.302	3098965.6390	583.00	CP IRSC-ZWA
2	10079239.607	3098653.5570	611.42	CP MNS-ZWA
3	10078833.706	3098402.8520	618.63	CP IRSC-ZWA
4	10080740.635	3099753.069	511.03	MAG NAIL
5	10080076.621	3099489.694	550.37	80D NAIL
6	10080176.772	3099587.239	532.14	80D NAIL
7	10080053.751	3099446.678	551.97	80D NAIL
8	10080287.825	3099653.999	508.60	80D NAIL
9	10080401.004	3099706.732	496.43	80D NAIL
10	10080509.347	3099761.969	495.06	80D NAIL
11	10080628.910	3099748.529	503.20	80D NAIL
12	10080740.741	3099752.93	511.13	MAG NAIL
14	10080761.296	3099703.742	518.30	"X" CUT
15	10080215.093	3099442.135	563.46	60D NAIL
16	10080346.672	3099495.939	563.08	60D NAIL
17	10080497.072	3099553.718	562.75	60D NAIL
18	10080328.629	3099316.995	573.15	60D NAIL
19	10080169.737	3099357.911	569.25	60D NAIL

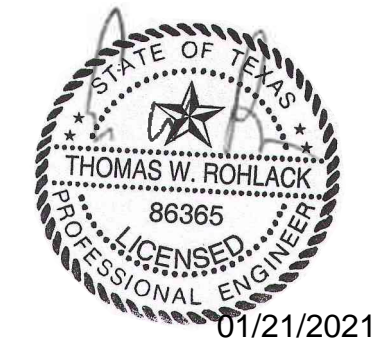
**SITE PLAN APPROVAL** SHEET \_\_\_\_\_ OF \_\_\_\_\_  
 FILE NUMBER \_\_\_\_\_ APPLICATION DATE: \_\_\_\_\_  
 APPROVED BY COMMISSION ON \_\_\_\_\_ UNDER SECTION \_\_\_\_\_ OF  
 CHAPTER \_\_\_\_\_ OF THE CITY OF AUSTIN CODE.  
 EXPIRATION DATE(25-5-81, LDC) \_\_\_\_\_ CASE MANAGER \_\_\_\_\_  
 PROJECT EXPIRATION DATE (ORD. #970905-A) \_\_\_\_\_ DMPZ \_\_\_\_\_ DOZ \_\_\_\_\_

Director, Watershed Protection and Development Review  
 RELEASED FOR GENERAL COMPLIANCE: \_\_\_\_\_ ZONING: \_\_\_\_\_  
 Rev. 1 \_\_\_\_\_ Correction 1 \_\_\_\_\_  
 Rev. 2 \_\_\_\_\_ Correction 2 \_\_\_\_\_  
 Rev. 3 \_\_\_\_\_ Correction 3 \_\_\_\_\_  
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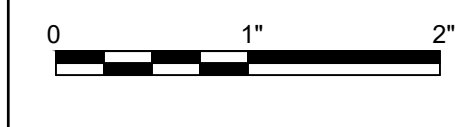


ISSUE	DATE	DESCRIPTION
0	01/21/2021	CONFORMED CONTRACT DRAWINGS

PROJECT MANAGER	
DESIGNED BY	TR
DRAWN BY	JC
CHECKED BY	JC
DATE	01/21/2021
PROJECT NUMBER	1126



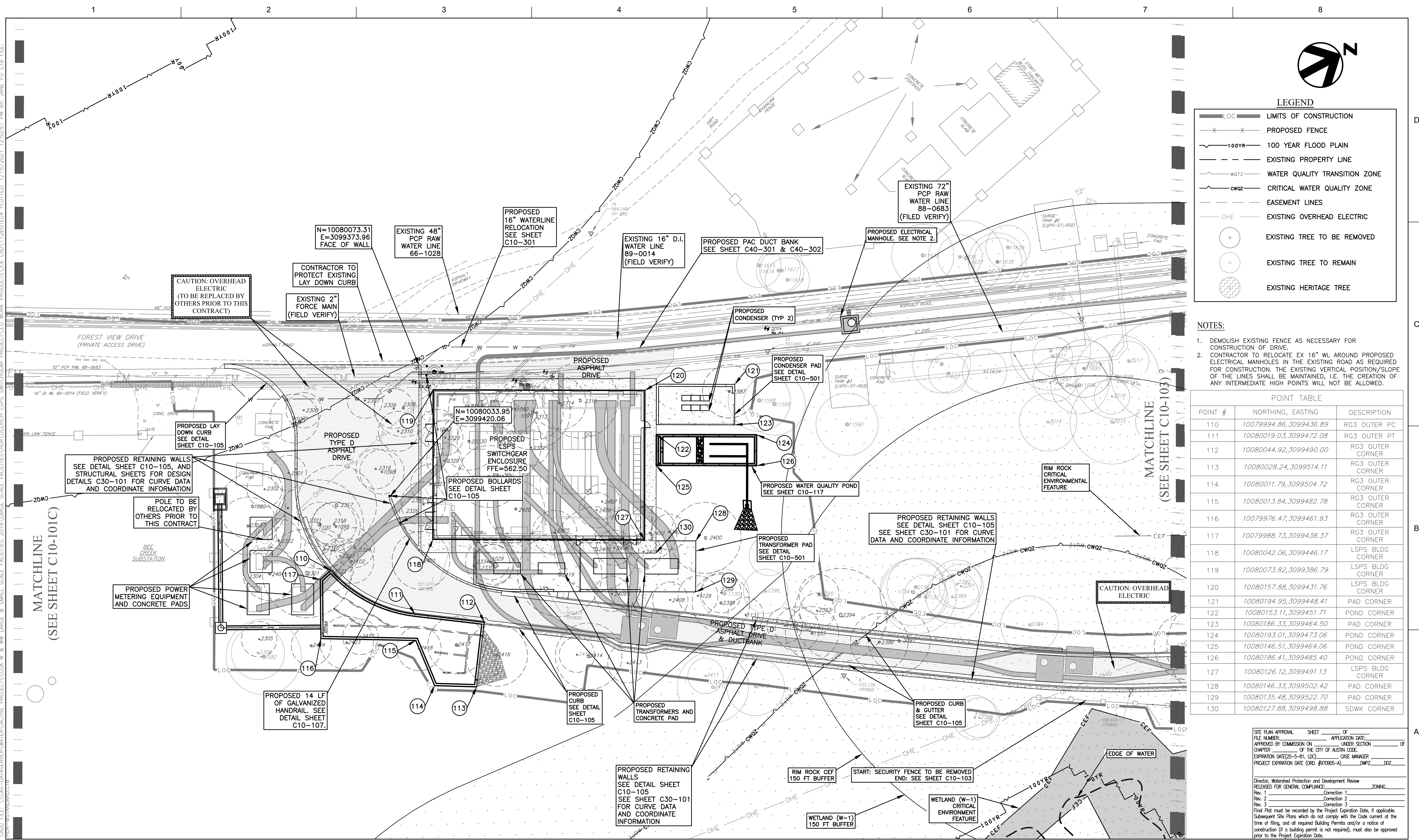
**ULLRICH WTP  
 LOW SERVICE PUMP STATION  
 ELECTRICAL FEED RENEWAL**



FILENAME 1126SITE00  
 SCALE 1" = 100'

SHEET 7 of 350  
**C10-101**

CADD FILE: \\CAS-DATASERVER\WATER\ACTIVE\_PROJECTS\COA.W & WW\_LARGE & SMALL\_SCALE\_FACILITIES\2016\ULRICH\_WTP\_SWITCHGEAR\_PROJECT\3.0\_WORK\_PRODUCTS\3.6\_CAD\1126SITE04\_PLOTTED: 1/15/2021 12:52:57 PM BY: JANE\_FU\_CTB\_FILE:  
 PLOR-MSTANDARD\AULTB



**LEGEND**

LOC	LIMITS OF CONSTRUCTION
X X	PROPOSED FENCE
100YR	100 YEAR FLOOD PLAIN
---	EXISTING PROPERTY LINE
WQTZ	WATER QUALITY TRANSITION ZONE
CWQZ	CRITICAL WATER QUALITY ZONE
---	EASEMENT LINES
OHE	EXISTING OVERHEAD ELECTRIC
○	EXISTING TREE TO BE REMOVED
○	EXISTING TREE TO REMAIN
○	EXISTING HERITAGE TREE

- NOTES:**
- DEMOLISH EXISTING FENCE AS NECESSARY FOR CONSTRUCTION OF DRIVE.
  - CONTRACTOR TO RELOCATE EX 16" WL AROUND PROPOSED ELECTRICAL MANHOLES IN THE EXISTING ROAD AS REQUIRED FOR CONSTRUCTION. THE EXISTING VERTICAL POSITION/SLOPE OF THE LINES SHALL BE MAINTAINED, I.E. THE CREATION OF ANY INTERMEDIATE HIGH POINTS WILL NOT BE ALLOWED.

**POINT TABLE**

POINT #	NORTHING, EASTING	DESCRIPTION
110	10079994.86, 3099436.89	RG3 OUTER PC
111	10080019.03, 3099472.08	RG3 OUTER PT
112	10080044.92, 3099490.00	RG3 OUTER CORNER
113	10080028.24, 3099514.11	RG3 OUTER CORNER
114	10080011.79, 3099504.72	RG3 OUTER CORNER
115	10080013.84, 3099482.78	RG3 OUTER CORNER
116	10079976.47, 3099461.93	RG3 OUTER CORNER
117	10079988.73, 3099438.37	RG3 OUTER CORNER
118	10080042.06, 3099446.17	LSPS BLDG CORNER
119	10080073.82, 3099386.79	LSPS BLDG CORNER
120	10080157.88, 3099431.76	LSPS BLDG CORNER
121	10080194.95, 3099448.41	PAD CORNER
122	10080153.11, 3099451.71	POND CORNER
123	10080186.33, 3099464.50	PAD CORNER
124	10080193.01, 3099473.06	POND CORNER
125	10080146.51, 3099464.06	POND CORNER
126	10080186.41, 3099485.40	POND CORNER
127	10080126.12, 3099491.13	LSPS BLDG CORNER
128	10080146.33, 3099502.42	PAD CORNER
129	10080135.48, 3099522.70	PAD CORNER
130	10080127.88, 3099498.88	SDWK CORNER

**SITE PLAN APPROVAL SHEET**

FILE NUMBER: \_\_\_\_\_ APPLICATION DATE: \_\_\_\_\_  
 APPROVED BY COMMISSION ON: \_\_\_\_\_ UNDER SECTION \_\_\_\_\_ OF CHAPTER \_\_\_\_\_ OF THE CITY OF AUSTIN CODE.  
 EXPIRATION DATE(25-5-81, LDC): \_\_\_\_\_ CASE MANAGER: \_\_\_\_\_  
 PROJECT EXPIRATION DATE (ORD. #97095-A): \_\_\_\_\_ DMPZ: \_\_\_\_\_

Director, Watershed Protection and Development Review  
 RELEASED FOR GENERAL COMPLIANCE: \_\_\_\_\_ ZONING: \_\_\_\_\_

Rev. 1 \_\_\_\_\_ Correction 1 \_\_\_\_\_  
 Rev. 2 \_\_\_\_\_ Correction 2 \_\_\_\_\_  
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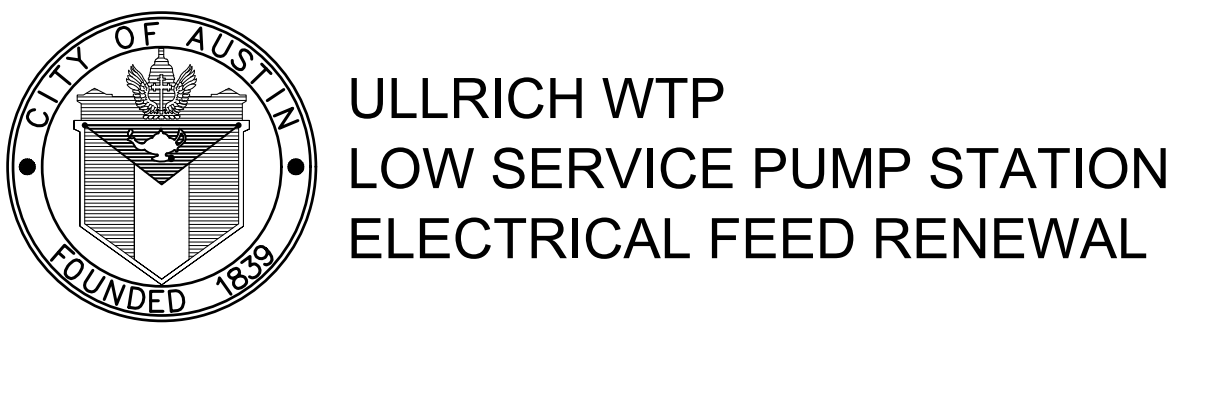


**PROJECT MANAGER**

DESIGNED BY	TR
DRAWN BY	JC
CHECKED BY	TR
DATE	Jan. 15, 21
PROJECT NUMBER	1126

ISSUE	DATE	DESCRIPTION
0	01/21/2021	CONFORMED CONTRACT DRAWINGS

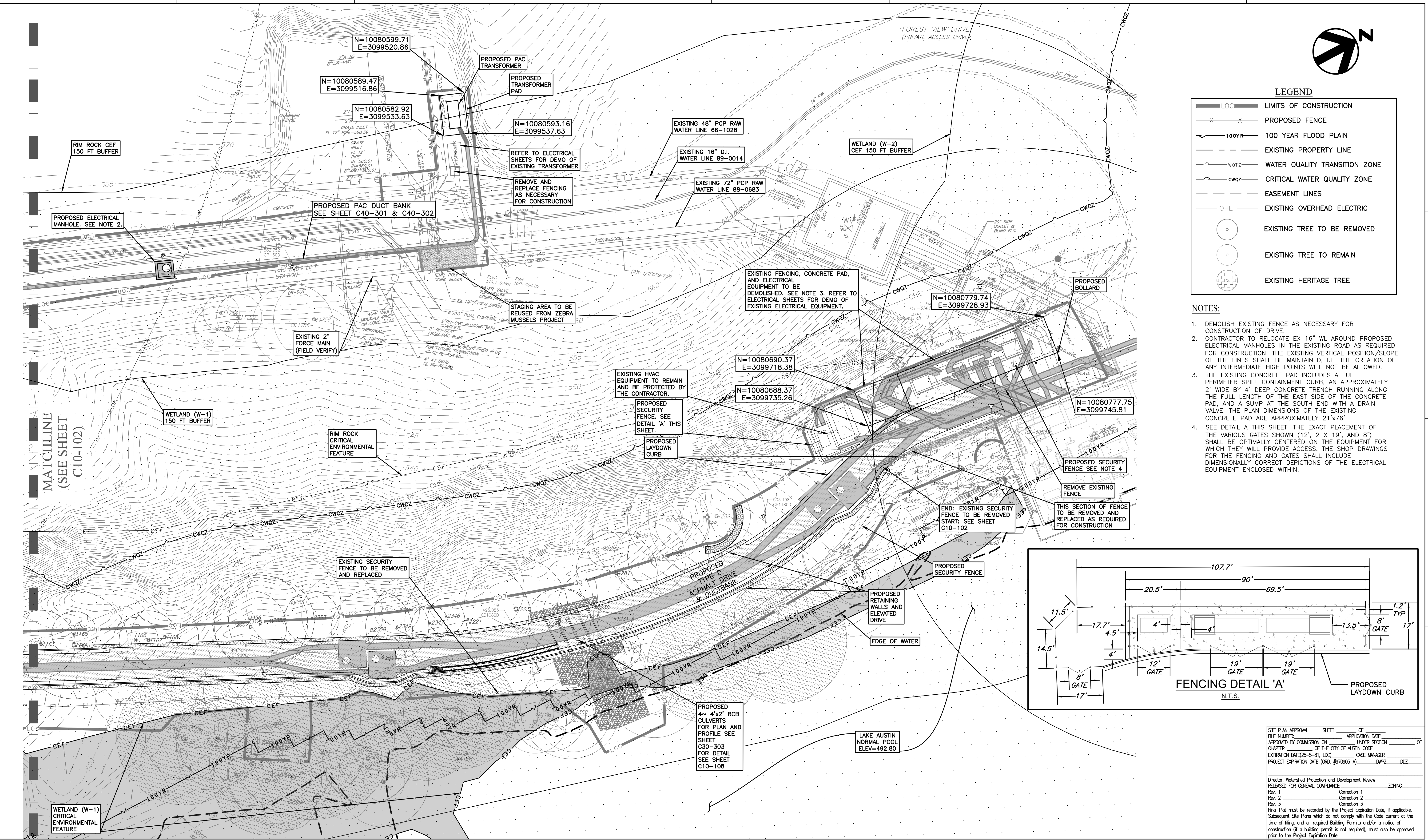
DESIGNED BY	TR
DRAWN BY	JC
CHECKED BY	TR
DATE	Jan. 15, 21
PROJECT NUMBER	1126



**SITE PLAN (4 OF 5)**

FILENAME: 1126SITE04 SHEET: 11 of 350  
 SCALE: 1" = 20' C10-102  
 SPC-03-005C (R2)

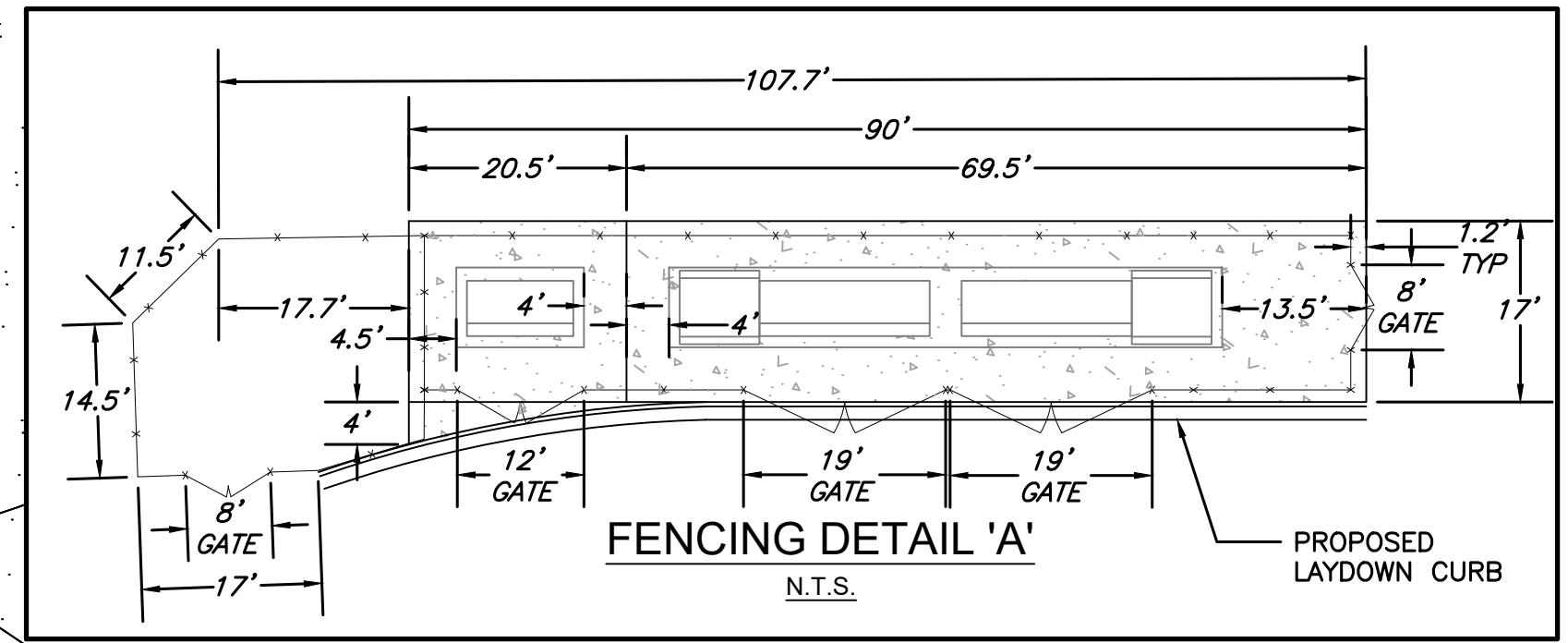
CADD FILE: \\CAS-DATASERVER\WATER\ACTIVE\_PROJECTS\COA.W & WW\_LARGE & SMALL\_SCALE\_FACILITIES\HR\ULLRICH\_LSPS\_SWITCHGEAR\_PROJECTS\3.6\_CAD\126SITE05\_PLOTTED: 1/15/2021 12:55:28 PM BY: JANE\_FU\_CTB FILE: CAS.CTB



**LEGEND**

- LOC — LIMITS OF CONSTRUCTION
- X — X — PROPOSED FENCE
- 100YR — 100 YEAR FLOOD PLAIN
- — — EXISTING PROPERTY LINE
- WQTZ — WATER QUALITY TRANSITION ZONE
- CWQZ — CRITICAL WATER QUALITY ZONE
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  - THE EXISTING CONCRETE PAD INCLUDES A FULL PERIMETER SPILL CONTAINMENT CURB, AN APPROXIMATELY 2' WIDE BY 4' DEEP CONCRETE TRENCH RUNNING ALONG THE FULL LENGTH OF THE EAST SIDE OF THE CONCRETE PAD, AND A SUMP AT THE SOUTH END WITH A DRAIN VALVE. THE PLAN DIMENSIONS OF THE EXISTING CONCRETE PAD ARE APPROXIMATELY 21'x76'.
  - SEE DETAIL A THIS SHEET, THE EXACT PLACEMENT OF THE VARIOUS GATES SHOWN (12', 2' X 19', AND 8') SHALL BE OPTIMALLY CENTERED ON THE EQUIPMENT FOR WHICH THEY WILL PROVIDE ACCESS. SEE THE SHOP DRAWINGS FOR THE FENCING AND GATES SHALL INCLUDE DIMENSIONALLY CORRECT DEPICTIONS OF THE ELECTRICAL EQUIPMENT ENCLOSED WITHIN.



SITE PLAN APPROVAL SHEET OF \_\_\_\_\_ OF \_\_\_\_\_

FILE NUMBER \_\_\_\_\_ APPLICATION DATE: \_\_\_\_\_

APPROVED BY COMMISSION ON \_\_\_\_\_ UNDER SECTION \_\_\_\_\_ OF \_\_\_\_\_

CHAPTER \_\_\_\_\_ OF THE CITY OF AUSTIN CODE.

EXPIRATION DATE(25-5-81, LDC) \_\_\_\_\_ CASE MANAGER \_\_\_\_\_

PROJECT EXPIRATION DATE (ORD. #97005-A) \_\_\_\_\_ DMPZ \_\_\_\_\_

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Director, Watershed Protection and Development Review  
RELEASED FOR GENERAL COMPLIANCE. ZONING: \_\_\_\_\_

Rev. 1 \_\_\_\_\_ Correction 1 \_\_\_\_\_

Rev. 2 \_\_\_\_\_ Correction 2 \_\_\_\_\_

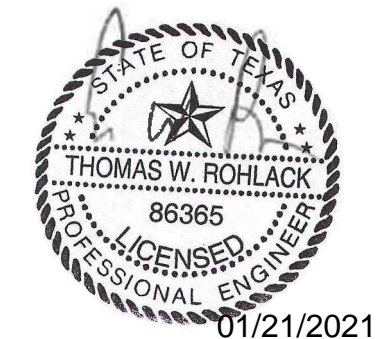
Rev. 3 \_\_\_\_\_ Correction 3 \_\_\_\_\_

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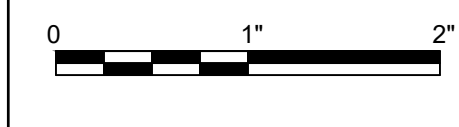


ISSUE	DATE	DESCRIPTION
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PROJECT MANAGER	
DESIGNED BY	TR
DRAWN BY	JC
CHECKED BY	TR
DATE	Jan. 15, 21
PROJECT NUMBER	1126



**ULLRICH WTP  
LOW SERVICE PUMP STATION  
ELECTRICAL FEED RENEWAL**



FILENAME 1126SITE05  
SCALE 1" = 20'

SHEET 12 of 350  
**C10-103**

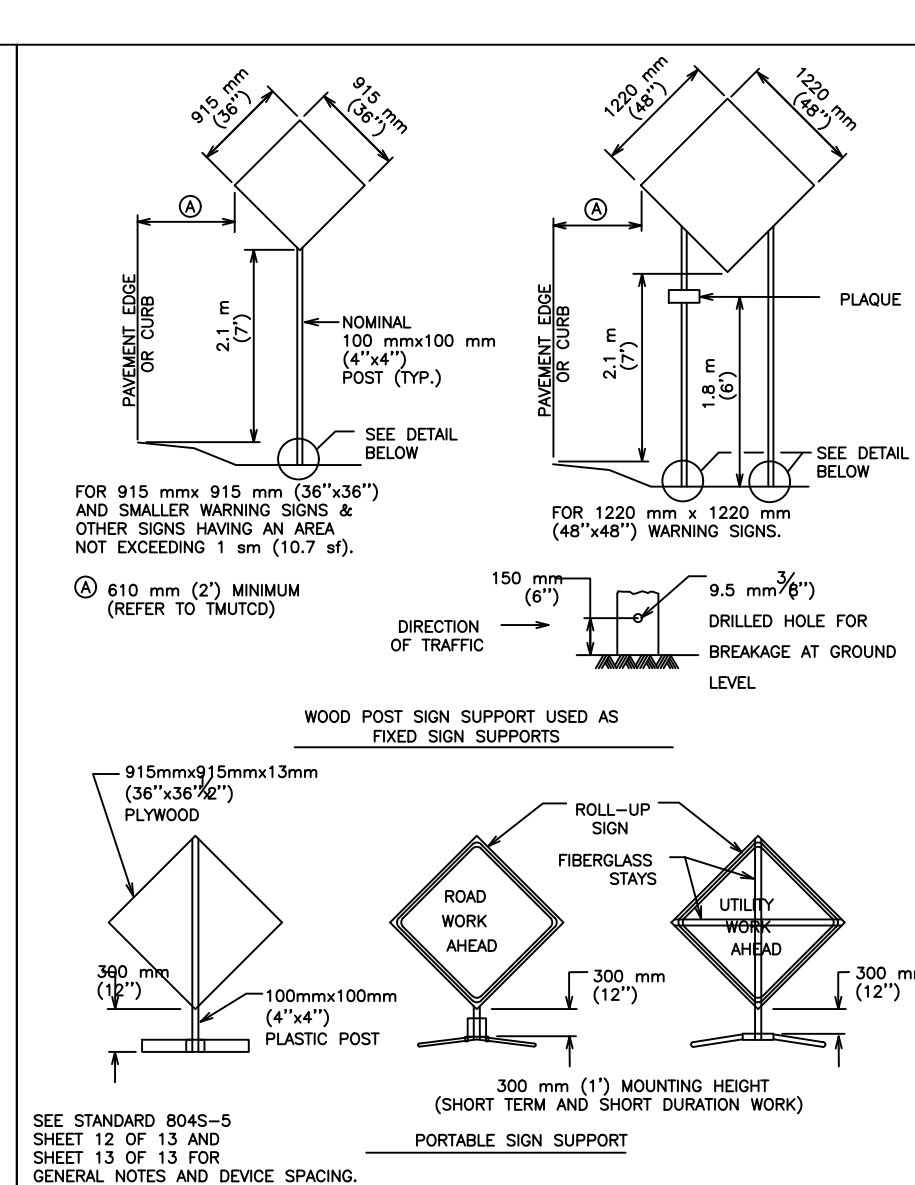
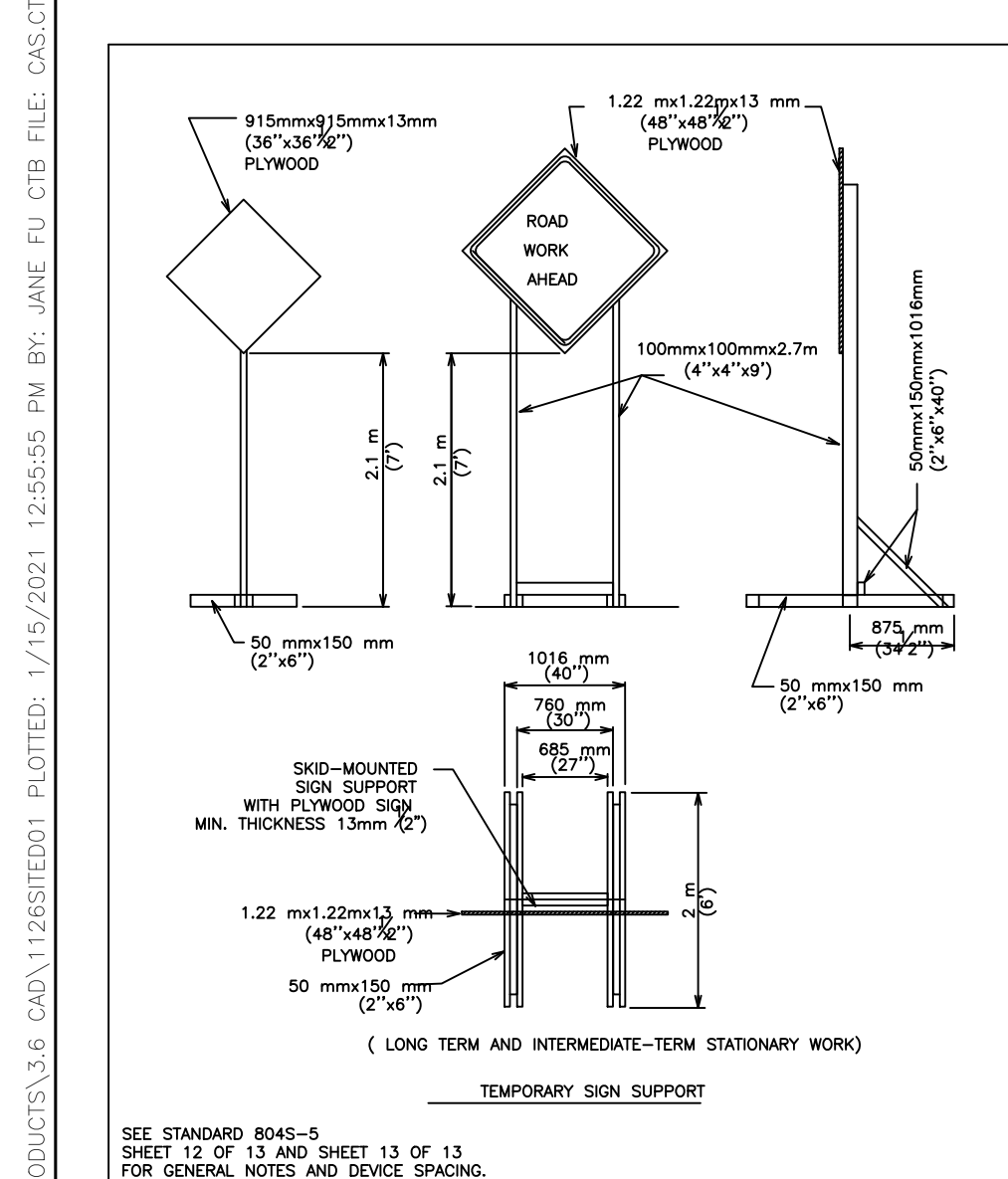
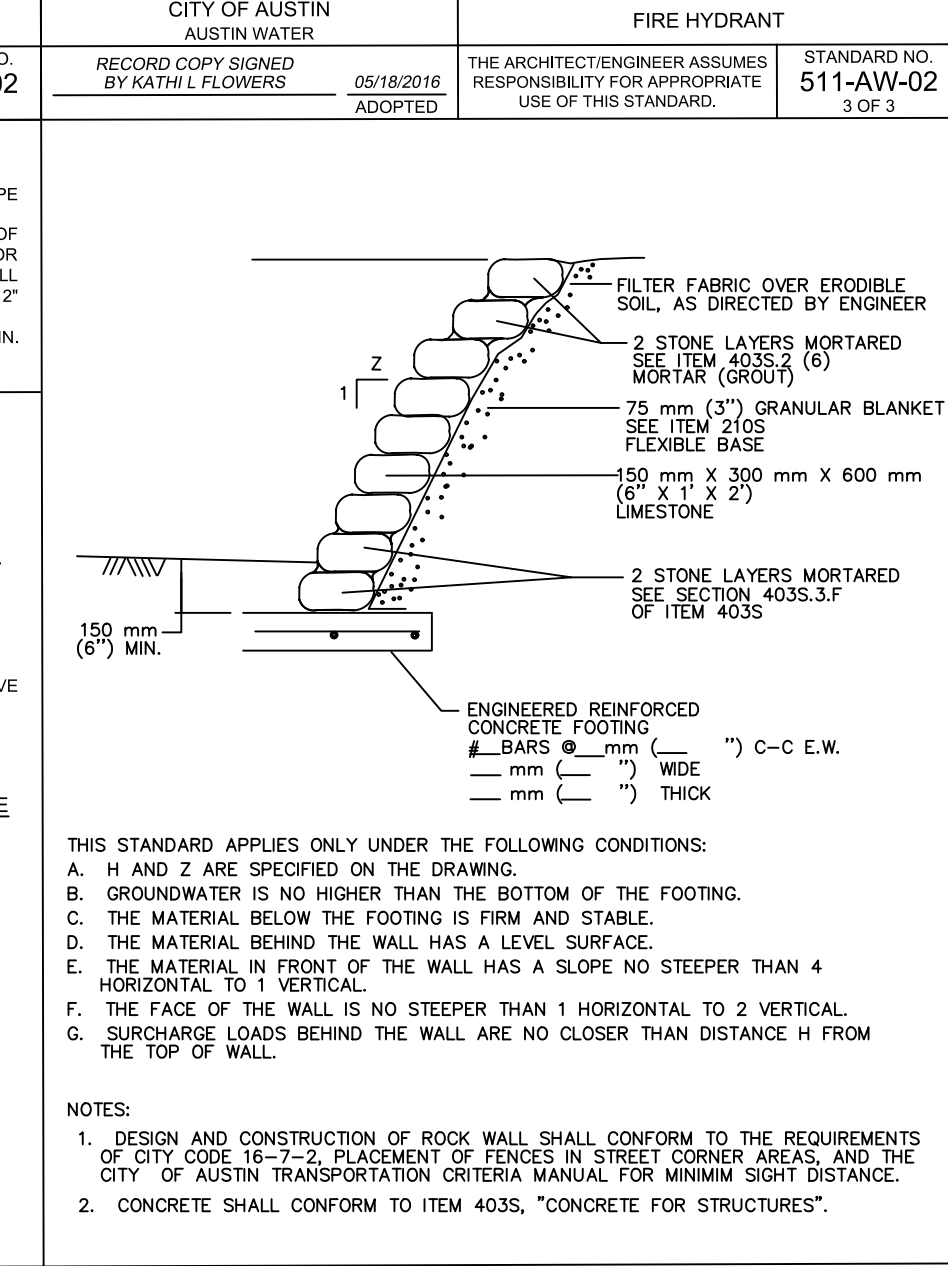
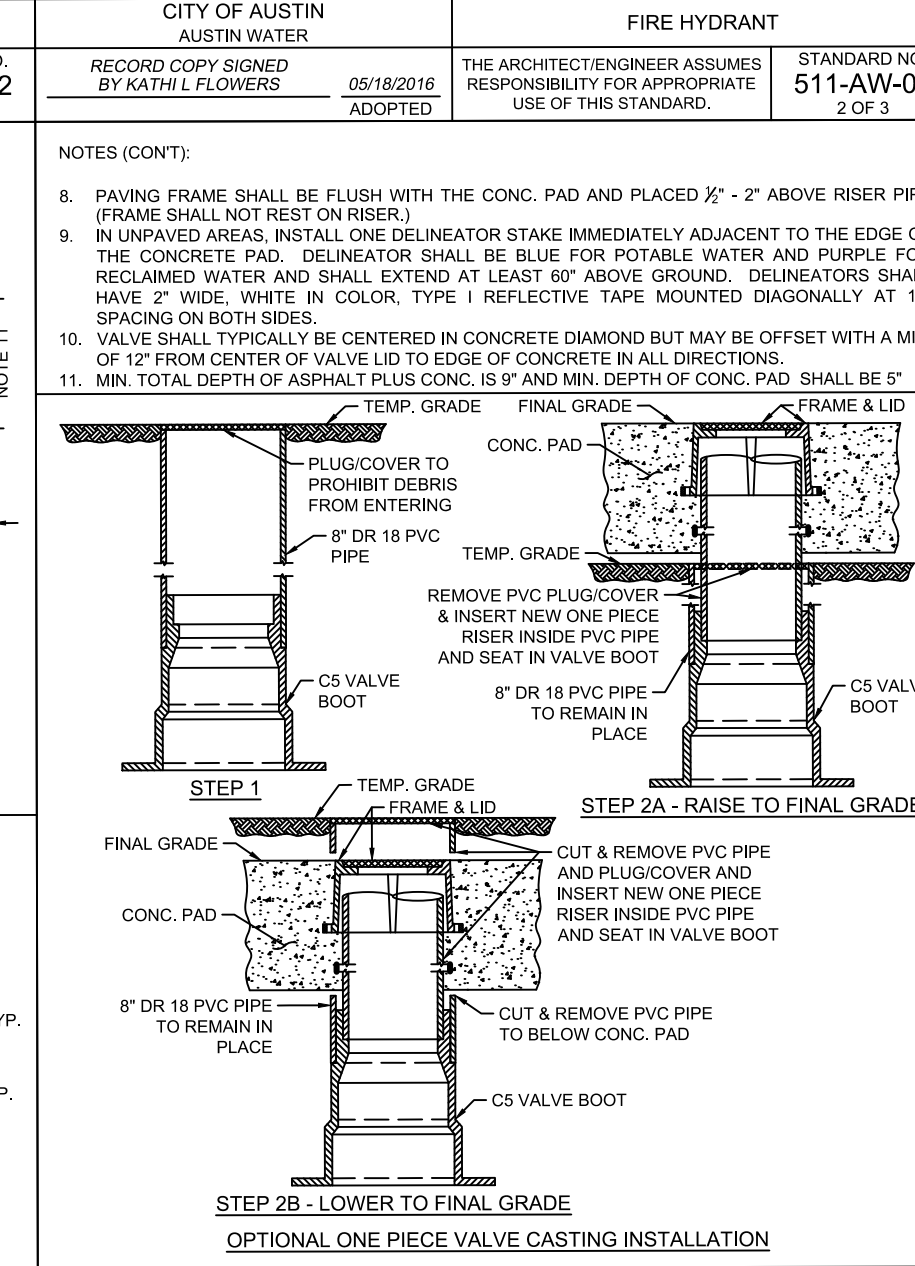
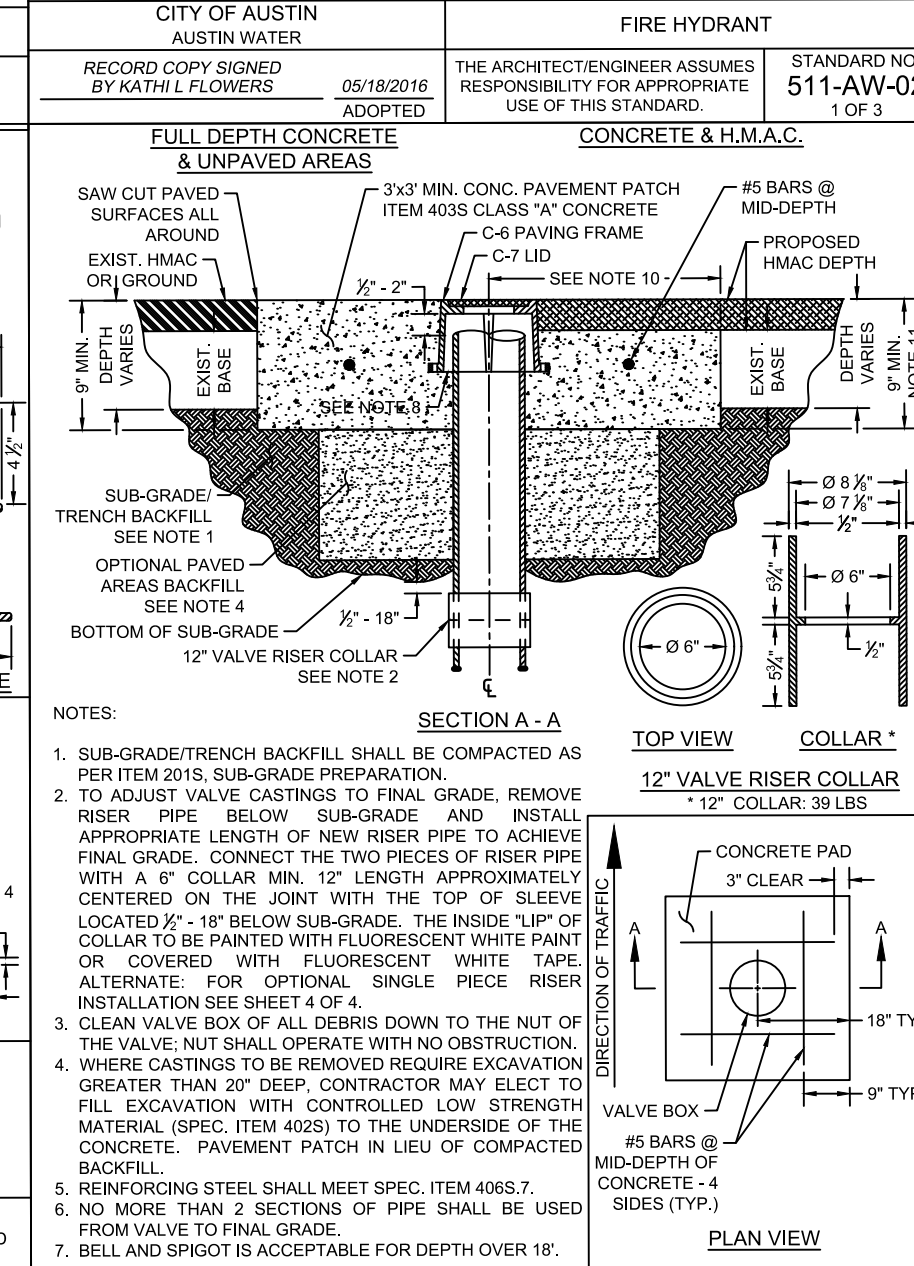
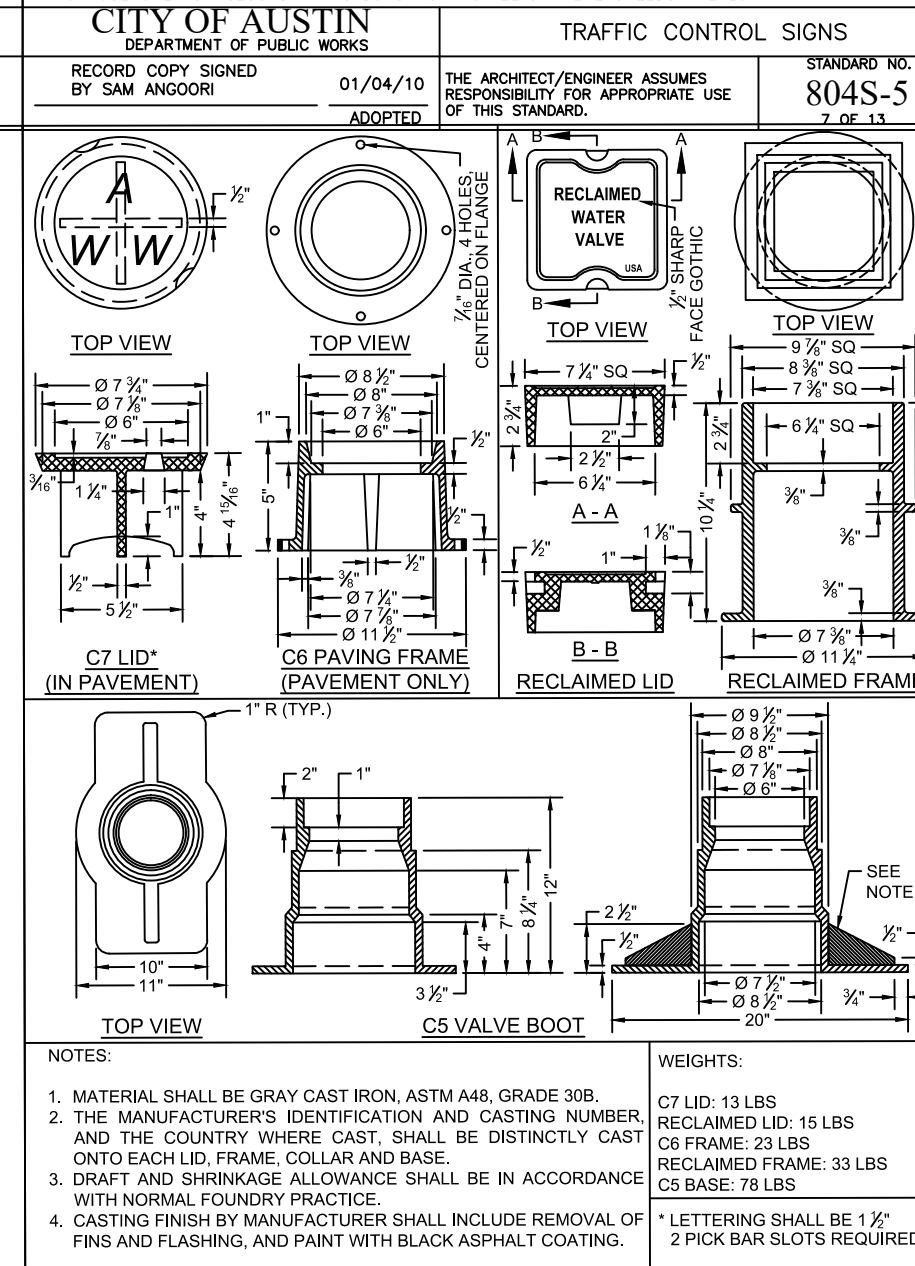
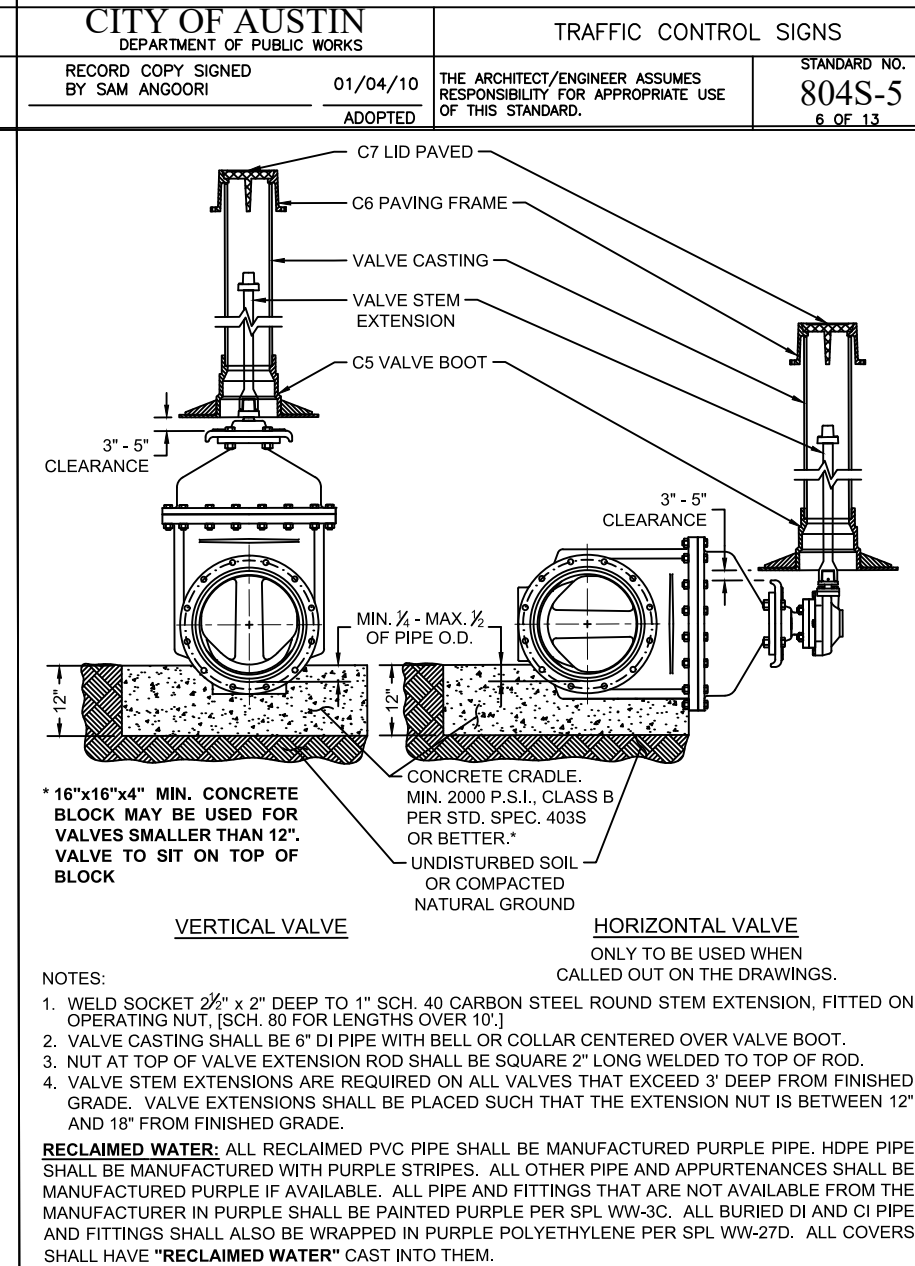
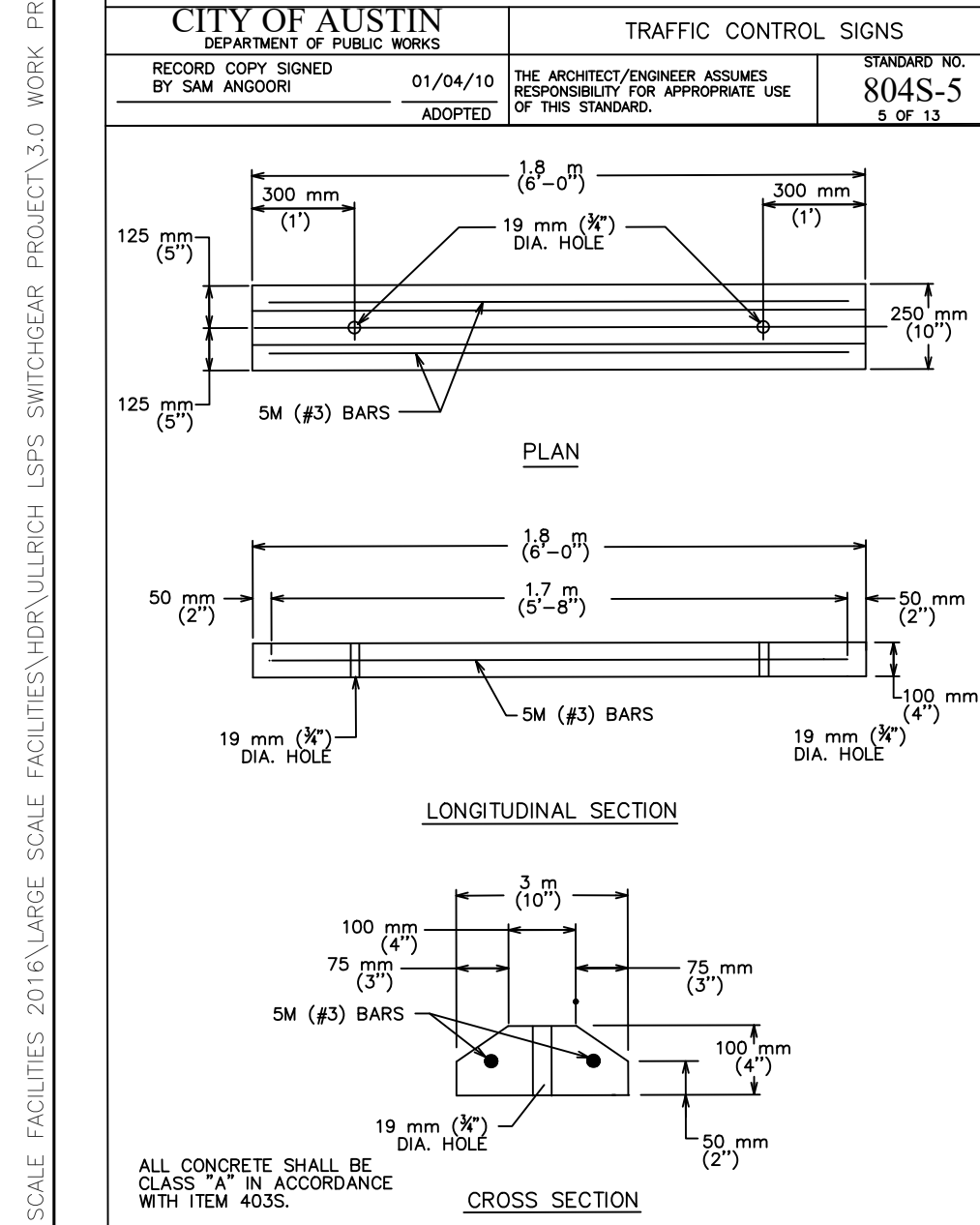
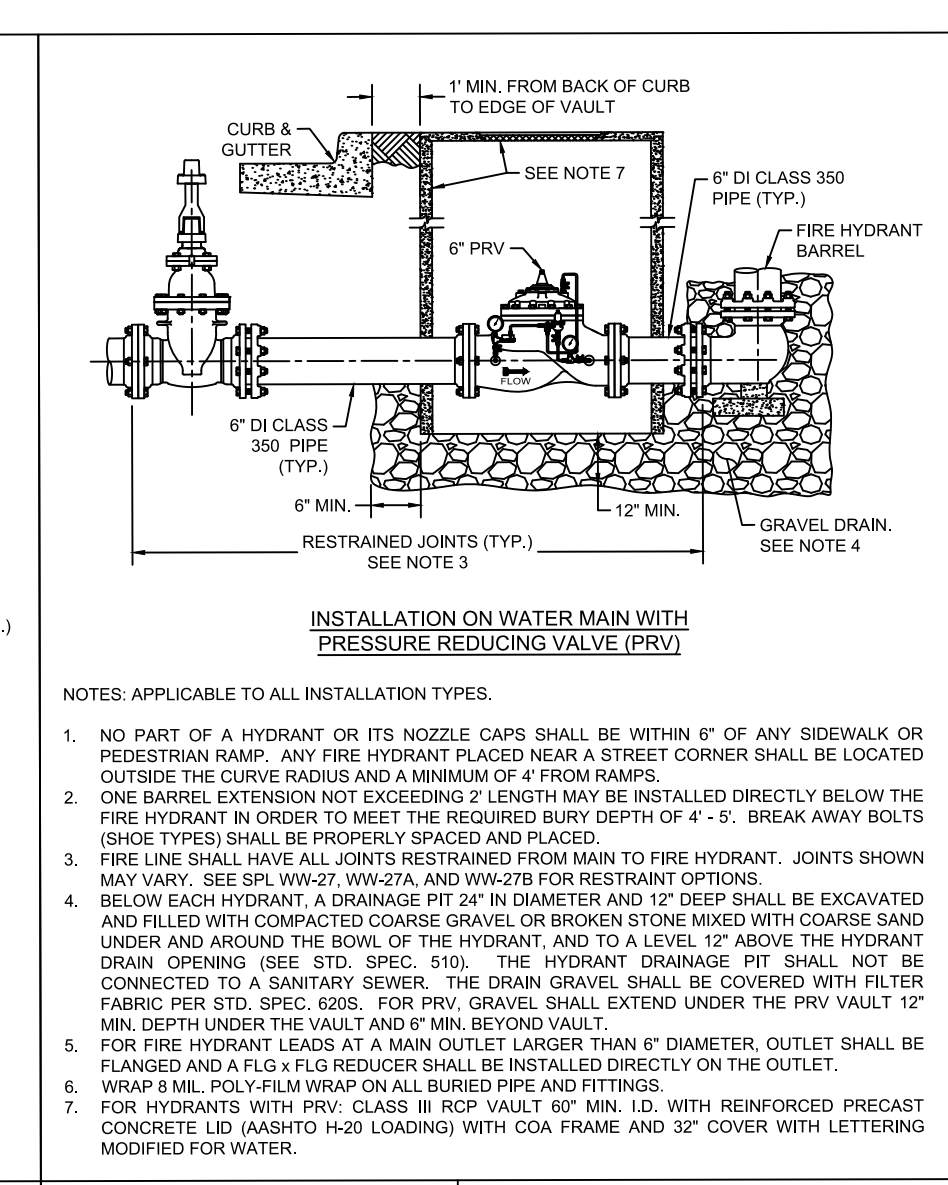
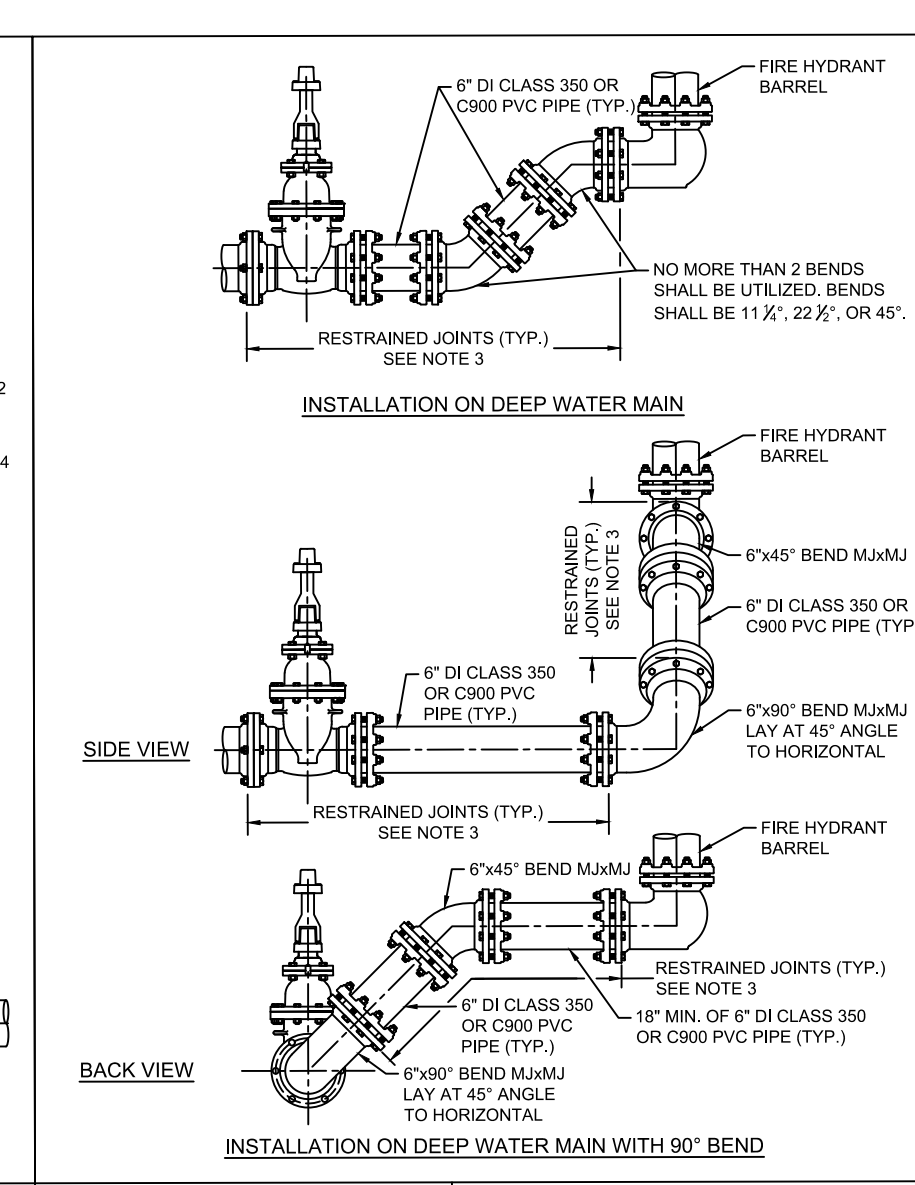
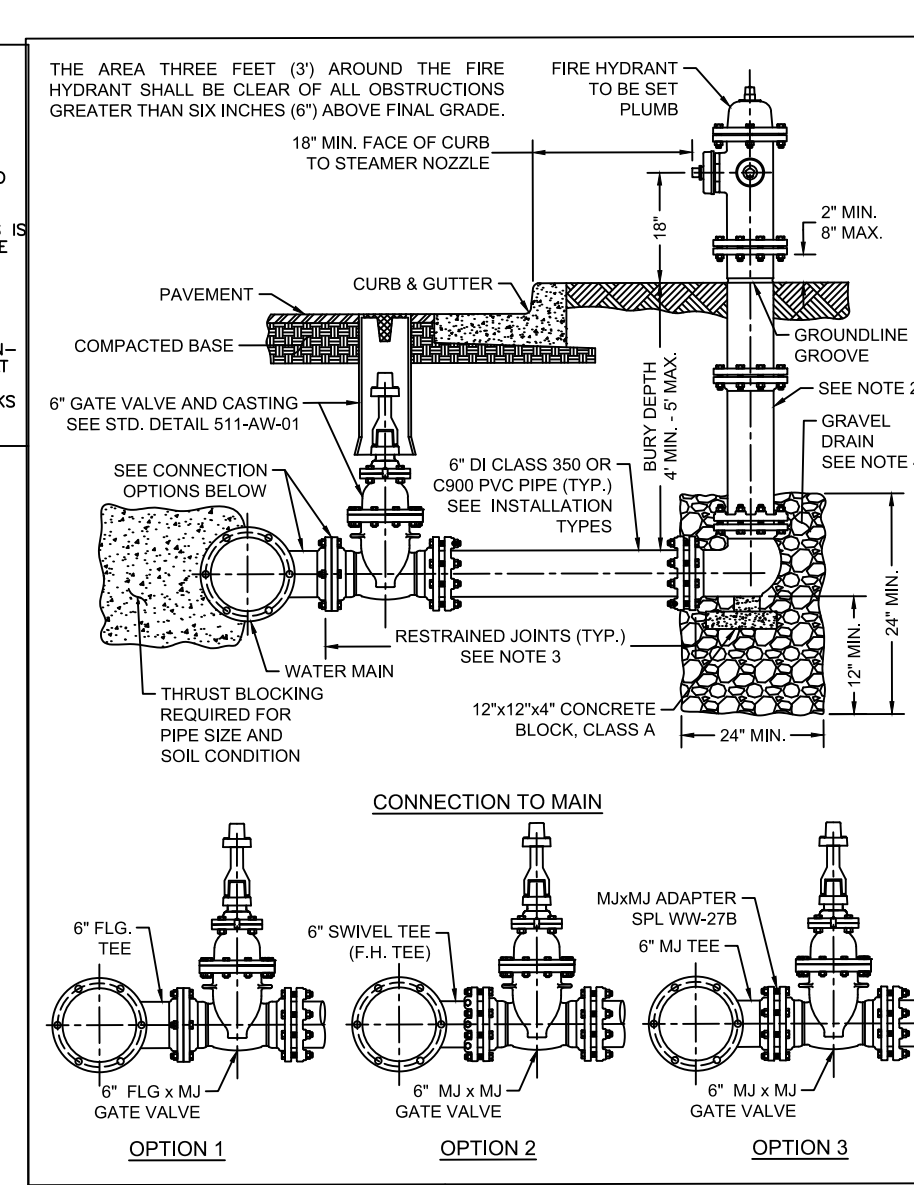


TABLE 11-3 TYPICAL CONSTRUCTION WARNING SIGN SIZE AND SPACING. Includes a table with columns for Roadway Classification, Posted Speed, Sign Spacing, and Standard/Minimum dimensions.



CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS RECORD COPY SIGNED BY BILL GARDNER 3/15/05 APPROVED

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS RECORD COPY SIGNED BY KATHI L FLOWERS 05/18/2016 ADOPTED

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS RECORD COPY SIGNED BY KATHI L FLOWERS 05/18/2016 ADOPTED

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS RECORD COPY SIGNED BY KATHI L FLOWERS 05/18/2016 ADOPTED

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS RECORD COPY SIGNED BY KATHI L FLOWERS 05/18/2016 ADOPTED

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS RECORD COPY SIGNED BY BILL GARDNER 03/13/06 ADOPTED

TRAFFIC CONTROL SIGNS STANDARD NO. 804S-5

TRAFFIC CONTROL SIGNS STANDARD NO. 804S-5

TRAFFIC CONTROL SIGNS STANDARD NO. 804S-5

TRAFFIC CONTROL SIGNS STANDARD NO. 804S-5

TRAFFIC CONTROL SIGNS STANDARD NO. 804S-5

TRAFFIC CONTROL SIGNS STANDARD NO. 804S-5

TRAFFIC CONTROL SIGNS STANDARD NO. 439S-1

TRAFFIC CONTROL SIGNS STANDARD NO. 511-AW-01

TRAFFIC CONTROL SIGNS STANDARD NO. 511-AW-01

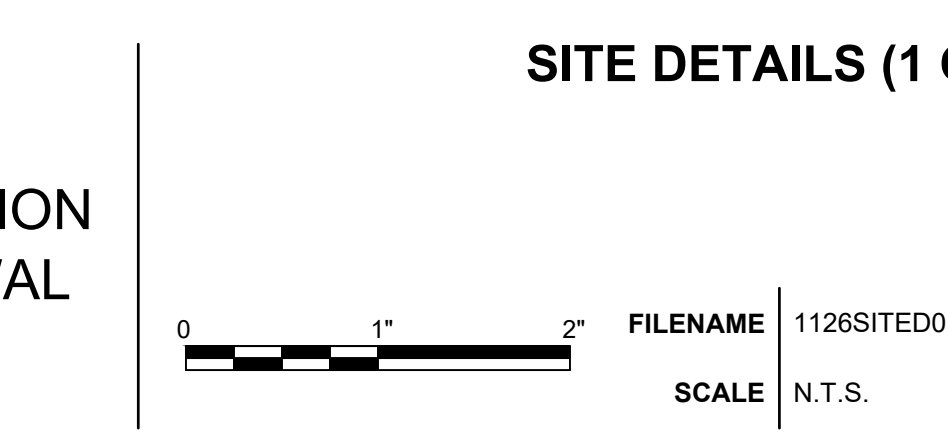
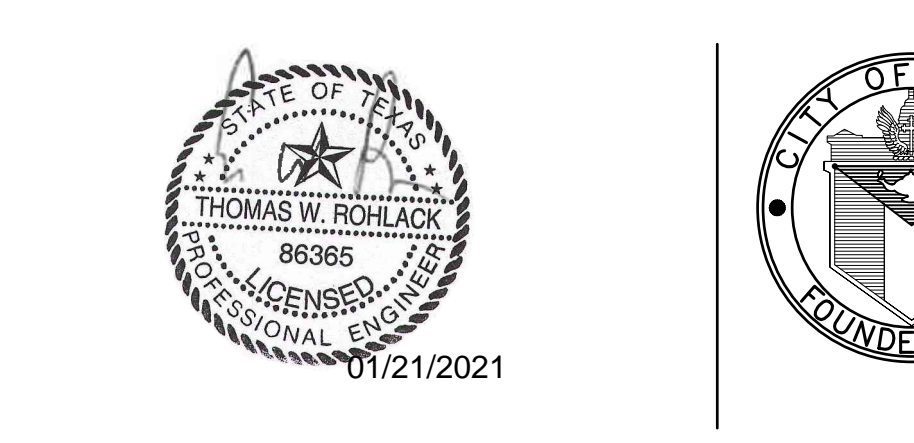
TRAFFIC CONTROL SIGNS STANDARD NO. 511-AW-01

TRAFFIC CONTROL SIGNS STANDARD NO. 511-AW-01

TRAFFIC CONTROL SIGNS STANDARD NO. 623S-1



PROJECT MANAGER table with columns: DESIGNED BY, DRAWN BY, CHECKED BY, DATE, PROJECT NUMBER.

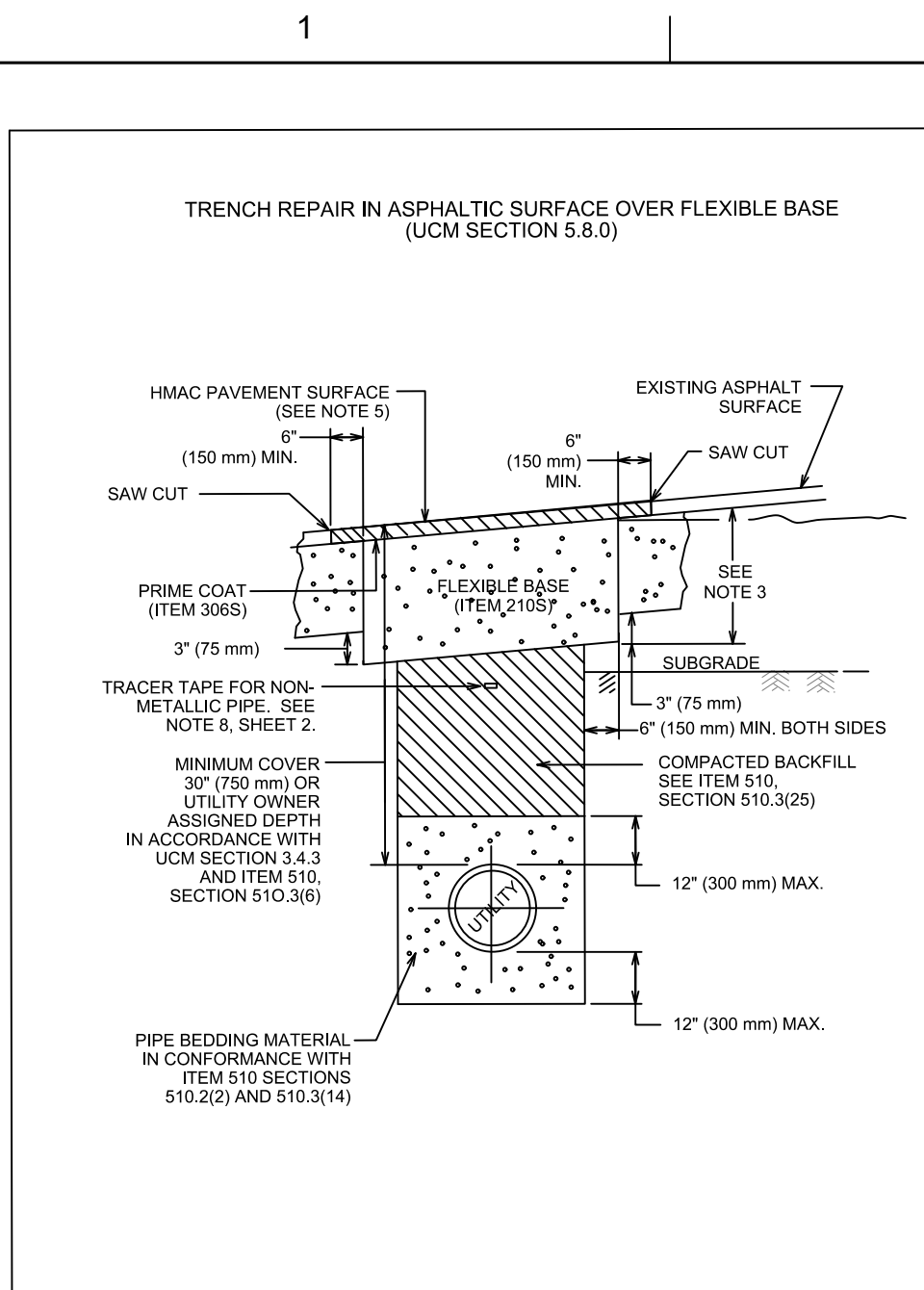


SITE PLAN APPROVAL SHEET table with columns: FILE NUMBER, APPROVED BY, UNDER SECTION, OF CHAPTER, OF THE CITY OF AUSTIN CODE, EXPIRATION DATE, CASE MANAGER, PROJECT EXPIRATION DATE.

Director, Watershed Protection and Development Review table with columns: RELEASED FOR GENERAL COMPLIANCE, ZONING, Rev. 1, Rev. 2, Rev. 3.

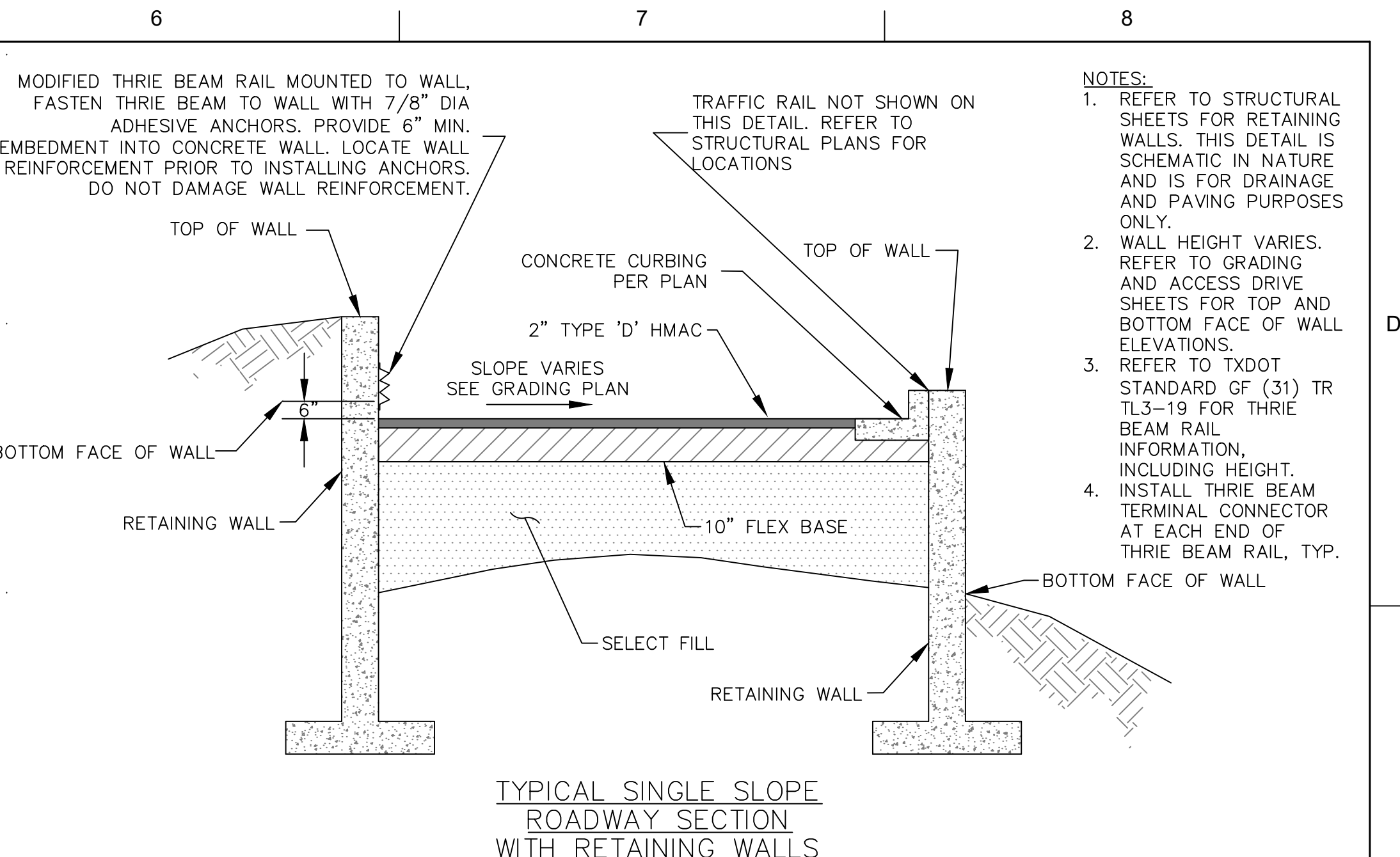
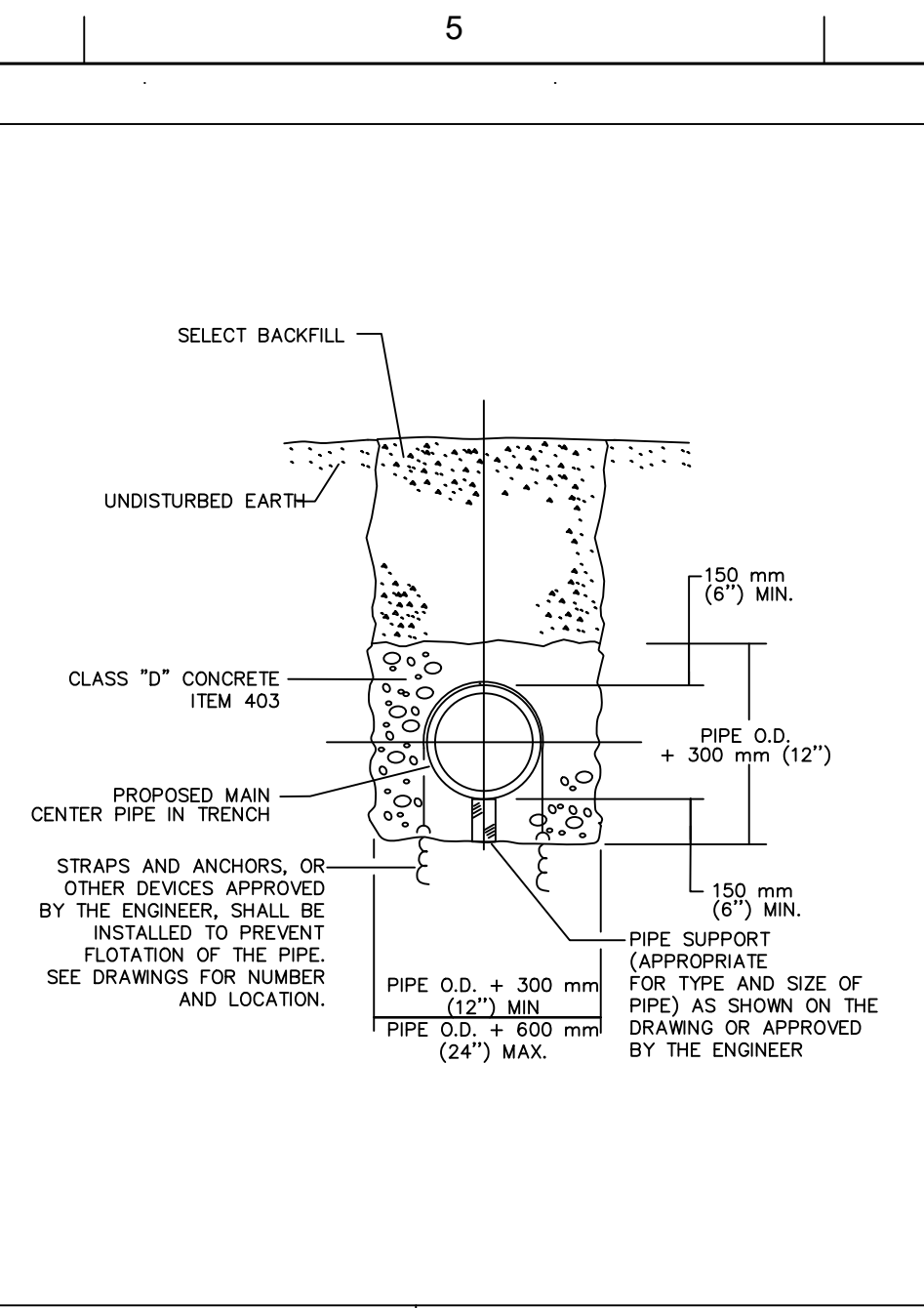
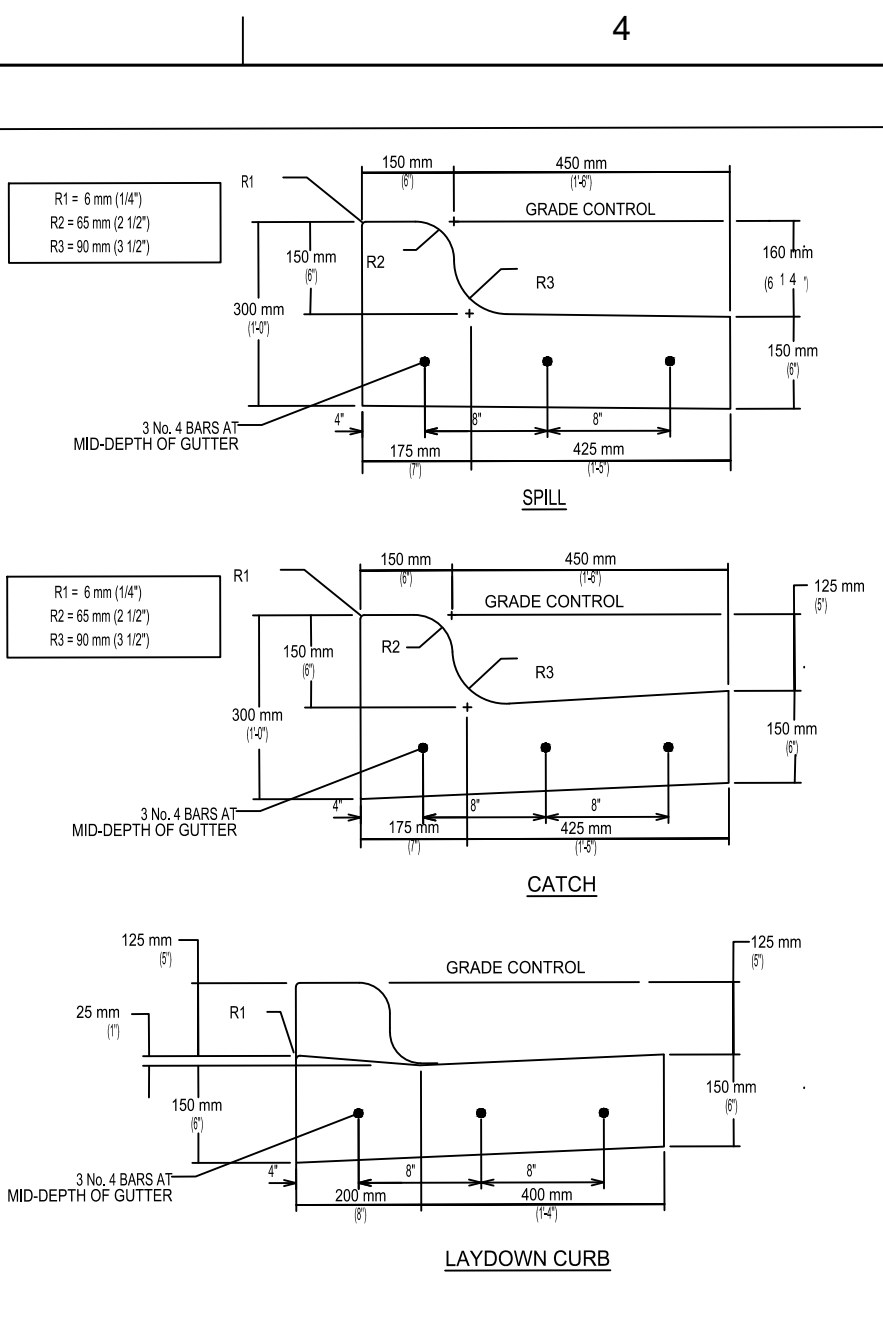
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CADD FILE: \\CAS-DATASERVER\WATER\ACTIVE PROJECTS\COA W & WW LARGE & SMALL SCALE FACILITIES\DRY\ULLRICH\_LSPS\_SWITCHGEAR\_PROJECT\3.0\_WORK PRODUCTS\3.6\_CADD\1126SITED02\_PLOTTED-1/15/2021 12:56:23 PM BY: JANE\_FU\_CTB\_FILE: CAS.CTB



**NOTES:**

- THE EXISTING PAVING SURFACE SHALL BE SAW CUT IN A STRAIGHT LINE, A MINIMUM OF 12\"/>
- IF EXCAVATION AREA IS OPEN FOR TEMPORARY PUBLIC USE, THE SURFACE SHALL BE MAINTAINED LEVEL WITH ADJACENT RIDING SURFACE WITH COLD MIX AC OR TEMPORARY HMA. TEMPORARY MIX SHALL BE PLACED OVER FLEXIBLE BASE.
- ROAD BASE SHALL BE REPLACED IN KIND WITH BASE THICKNESS EQUAL TO EXISTING BASE THICKNESS PLUS 3\"/>
- DAMAGED PAVEMENT OUTSIDE THE TRENCH CUT SHALL BE REMOVED AND REPLACED WITH A BASE THICKNESS OF 10\"/>
- REPLACEMENT AC SURFACE LAYER SHALL BE OF THE TYPE AND THICKNESS BASED ON FUNCTIONAL CLASSIFICATION.
  - MIN. 2\"/>
  - MIN. 3\"/>
- CLASS 2\"/>
- TACK COAT ALL EXPOSED EDGES AND SURFACES (SPEC ITEM 3075).
- AS PER CITY OF AUSTIN STANDARD SPECIFICATION 510, SECTION 510.2(B)(K)(S), FOR ALL NON-METALLIC PIPE, DIRECTLY ABOVE THE CENTERLINE OF THE PIPE AND A MINIMUM OF 12\"/>

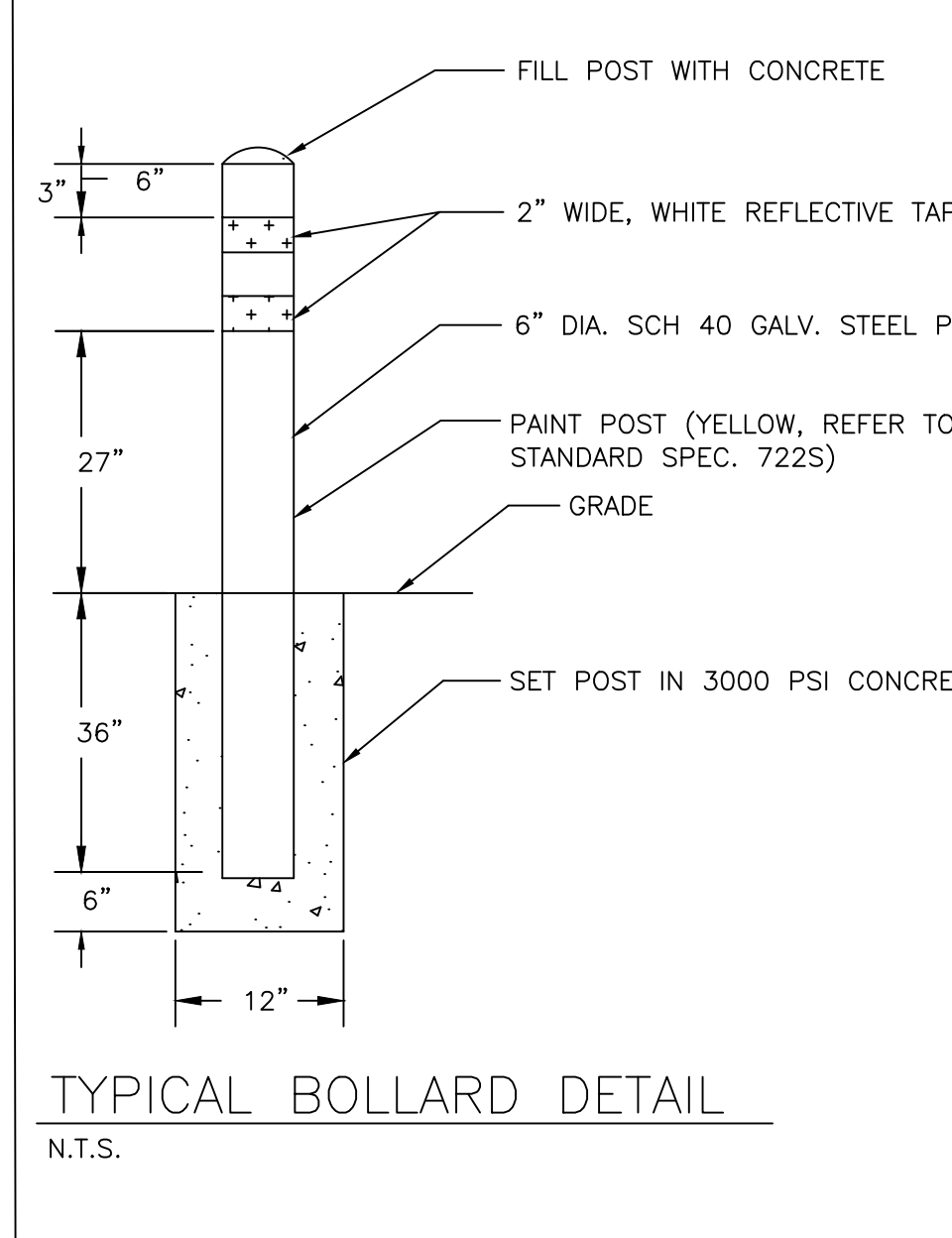


CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	FLEXIBLE BASE WITH ASPHALT SURFACE TRENCH REPAIR-EXISTING PAVEMENT	STANDARD NO. <b>1100S-2</b> 1 OF 2
RECORD COPY SIGNED BY KERI JUAREZ	01/04/11 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	FLEXIBLE BASE WITH ASPHALT SURFACE TRENCH REPAIR-EXISTING PAVEMENT	STANDARD NO. <b>1100S-2</b> 2 OF 2
RECORD COPY SIGNED BY KERI JUAREZ	01/04/11 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

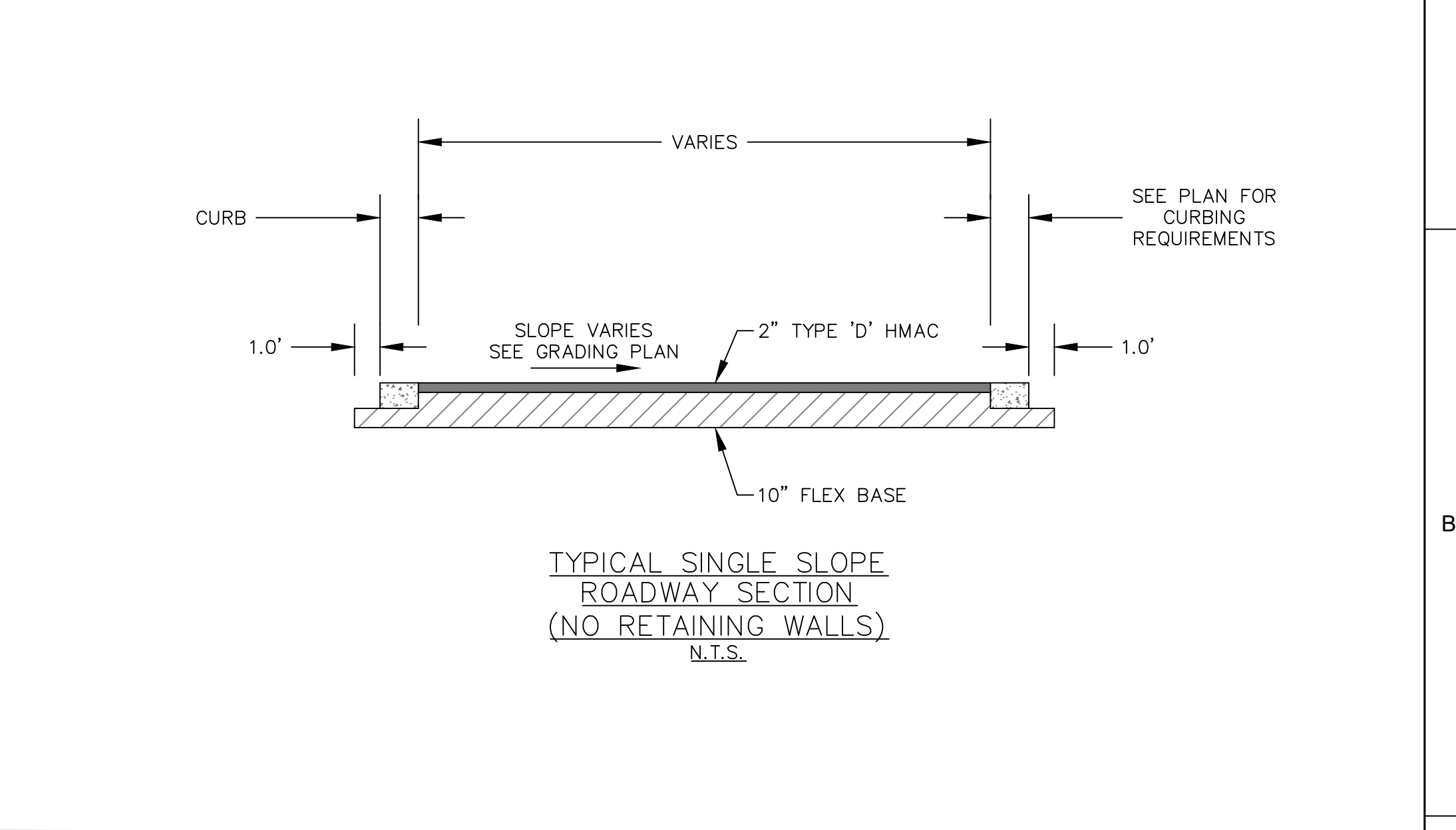
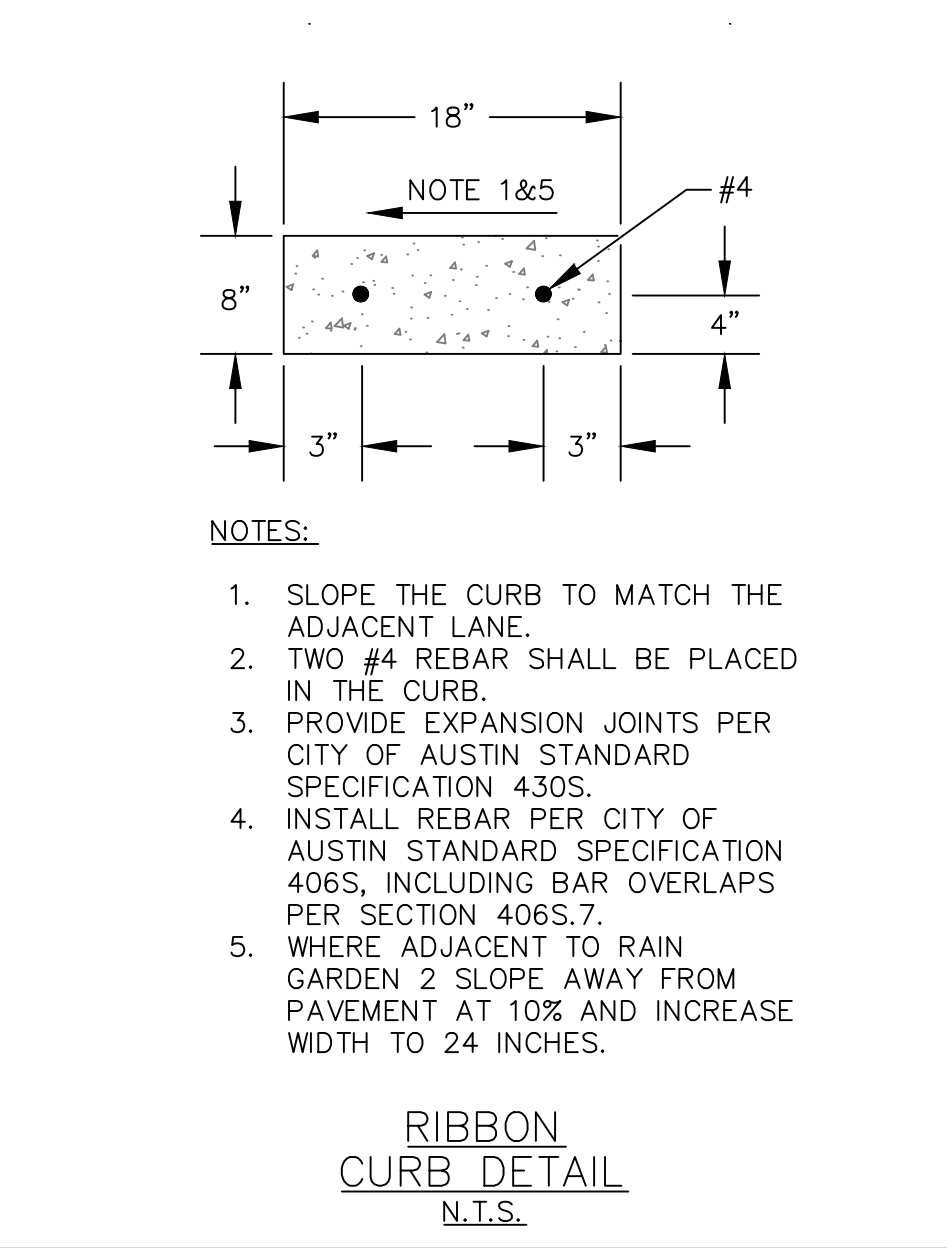
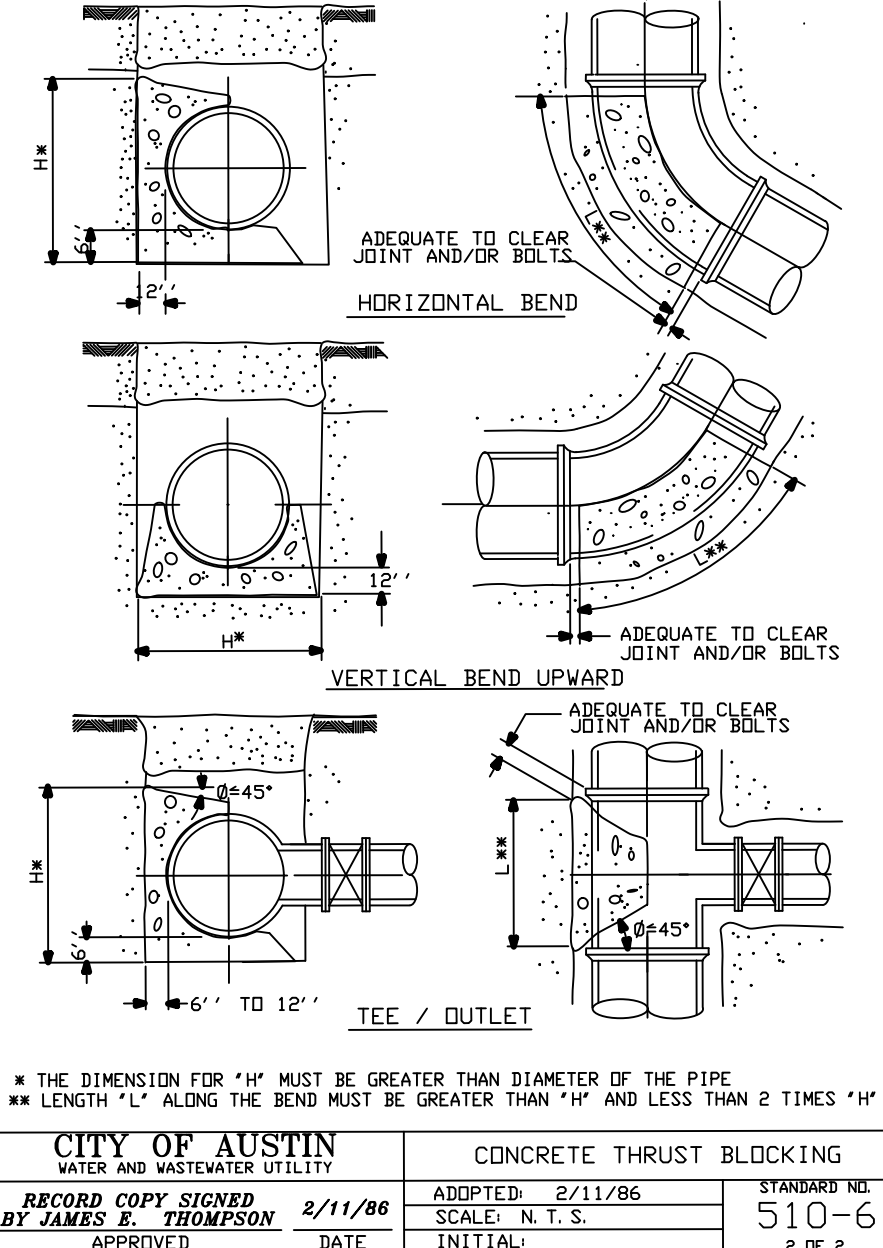
CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	REINFORCED CURB AND GUTTER SECTION	STANDARD NO. <b>430S-2</b>
RECORD COPY SIGNED BY SAM ANDRUSO	01/04/10 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

CITY OF AUSTIN WATER AND WASTEWATER UTILITY	CONCRETE ENCASEMENT	STANDARD NO. <b>505S-1</b>
RECORD COPY SIGNED BY LEON BARBA	8/18/00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.



**TABLE A**

PIPE DIA.	THIN TOP WIDTH W1	ANGLE	BOTTOM WIDTH W2	NOTES
6"	6"	0-5	NOTE 2	<b>NOTES:</b> 1- FOR ANGLES GREATER THAN THOSE INDICATED RESTRAINED JOINTS SHALL BE INSTALLED. 2- FOR JOINT DEFLECTIONS LESS THAN 5 DEGREES, NO HORIZONTAL OR VERTICAL THRUST RESTRAINT IS REQUIRED FOR PIPES LESS THAN 48" IN DIAMETER.  THRUST BLOCK DESIGN AS FOLLOWS A. PRESSURE OF 150 P. S. I. (ACTUAL IF HIGHER) + 30 % SURGE ALLOWANCE B. MAXIMUM SOIL BEARING SEE TABLE BELOW  SOIL TYPES      PRESSURE 15      NOTE 1 0-5      NOTE 2 5-15      48 15-25      48 25      NOTE 1 0-5      NOTE 2 5-9      30 9-15      36 15      NOTE 1 0-5      NOTE 2 5-15      48 15      NOTE 1 0-5      NOTE 2 5-10      60 10-15      96 15      NOTE 1 24" THRU 36" DIA.      1500 Lb/Sq Ft. 36" THRU 48" DIA.      2000 Lb/Sq Ft. 48" THRU 60" DIA.      4000 Lb/Sq Ft. 60"      3.0      Limestone Rock



CITY OF AUSTIN WATER AND WASTEWATER UTILITY	CONCRETE THRUST BLOCKING	STANDARD NO. <b>510-6</b> 1 OF 2
RECORD COPY SIGNED BY JAMES P. THOMPSON	2/11/86 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

CITY OF AUSTIN WATER AND WASTEWATER UTILITY	CONCRETE THRUST BLOCKING	STANDARD NO. <b>510-6</b> 2 OF 2
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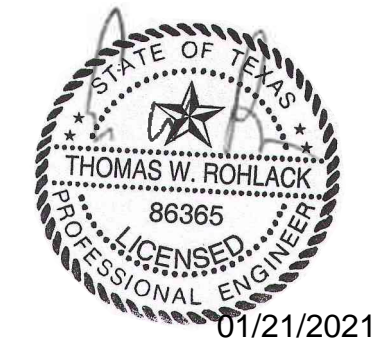
CITY OF AUSTIN WATER AND WASTEWATER UTILITY	CONCRETE THRUST BLOCKING	STANDARD NO. <b>510-6</b> 1 OF 2
RECORD COPY SIGNED BY JAMES P. THOMPSON	2/11/86 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

CITY OF AUSTIN WATER AND WASTEWATER UTILITY	CONCRETE THRUST BLOCKING	STANDARD NO. <b>510-6</b> 2 OF 2
RECORD COPY SIGNED BY JAMES P. THOMPSON	2/11/86 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.

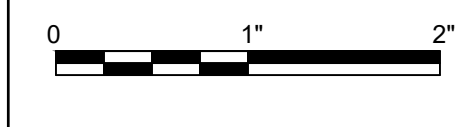


ISSUE	DATE	DESCRIPTION
0	01/21/2021	CONFORMED CONTRACT DRAWINGS

<b>PROJECT MANAGER</b>	DESIGNED BY	DRAWN BY
	CHECKED BY	DATE
	PROJECT NUMBER	1126



**ULLRICH WTP  
LOW SERVICE PUMP STATION  
ELECTRICAL FEED RENEWAL**



FILENAME 1126SITED02  
SCALE N.T.S.

SHEET 14 of 350  
**C10-105**

**SITE PLAN APPROVAL**

FILE NUMBER: \_\_\_\_\_ APPLICATION DATE: \_\_\_\_\_  
 APPROVED BY COMMISSION ON \_\_\_\_\_ LINDER SECTION \_\_\_\_\_ OF  
 CHAPTER \_\_\_\_\_ OF THE CITY OF AUSTIN CODE.  
 EXPIRATION DATE(25-5-81, LDC) \_\_\_\_\_ CASE MANAGER \_\_\_\_\_  
 PROJECT EXPIRATION DATE (ORD. #970905-A) \_\_\_\_\_ DMPZ \_\_\_\_\_ DOZ \_\_\_\_\_

Director, Watershed Protection and Development Review  
 RELEASED FOR GENERAL COMPLIANCE. ZONING: \_\_\_\_\_

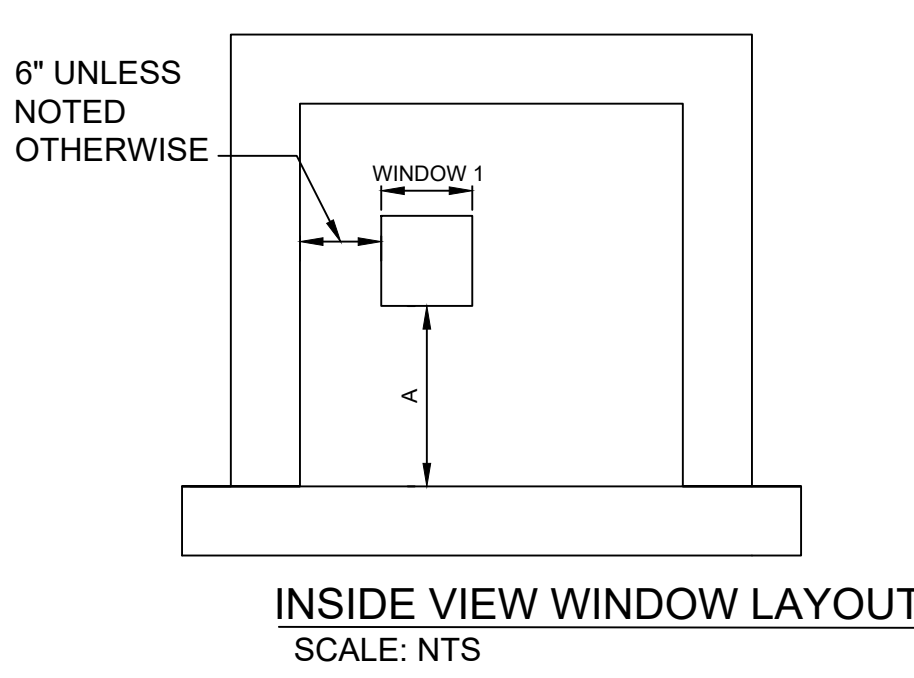
Rev. 1 \_\_\_\_\_ Correction 1 \_\_\_\_\_  
 Rev. 2 \_\_\_\_\_ Correction 2 \_\_\_\_\_  
 Rev. 3 \_\_\_\_\_ Correction 3 \_\_\_\_\_

Find Plot must be recorded by the Project Expiration Date, if applicable.  
 Subsequent Site Plans which do not comply with the Code current at the  
 time of filing, and all required Building Permits and/or a notice of  
 construction (if a building permit is not required), must also be approved  
 prior to the Project Expiration Date.

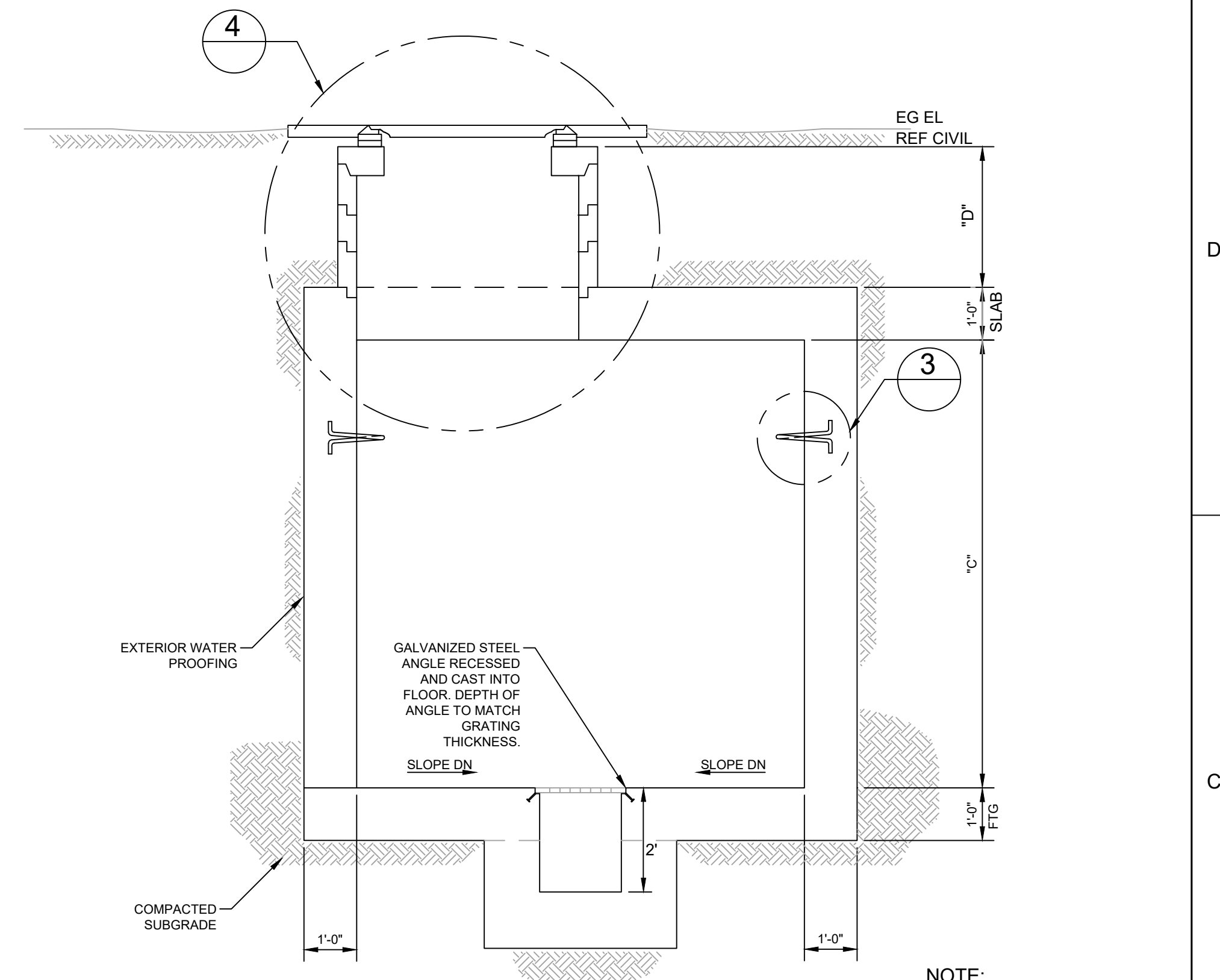


TAG	WINDOW 1 IN	WINDOW 2 OUT	WINDOW 3 IN	OPENING ELEVATION A WINDOW 1&2	OPENING ELEVATION A WINDOW 3
MH 1A	2' W x 4' H	2' W x 5' H	2' W x 1'-6" H	3'-0"	6'-6"
MH 1B	2' W x 5' H	2' W x 5' H		3'-0"	
MH 2A	2' W x 5' H	2' W x 5' H		3'-0"	
MH 2B	2' W x 5' H	2' W x 5' H		3'-0"	
MH 3A	2' W x 5' H	3'-3" W x 2'-8" H		3'-0"	
MH 3B	2' W x 5' H	3'-3" W x 2'-8" H		3'-0"	
MH 4A	3'-3" W x 2'-8" H	3'-3" W x 2'-8" H		5'-0"	
MH 4B	3'-3" W x 2'-8" H	3'-3" W x 2'-8" H		5'-0"	
MH 1	12" W x 18" H	12" W x 18" H		1'-10"	
MH 2	12" W x 18" H	12" W x 18" H		1'-5"	

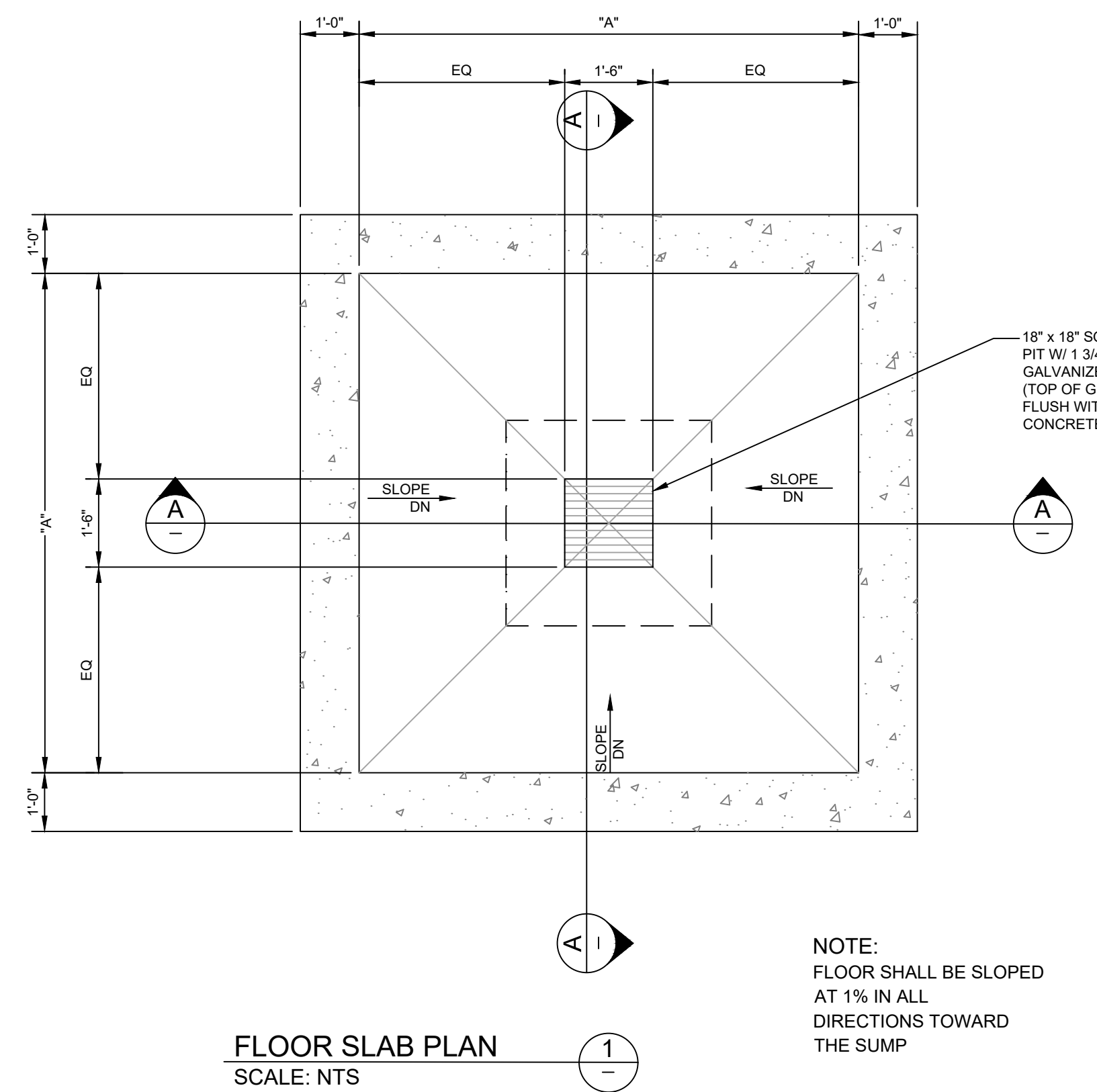
\* NOTE:  
 "WINDOW IN" REFERS TO THE DUCT BANK ENTERING THE MANHOLE FROM THE UP-STATION POSITION.  
 "WINDOW OUT" REFERS TO DUCT BANK EXITING THE MANHOLE TO THE DOWN-STATION POSITION.



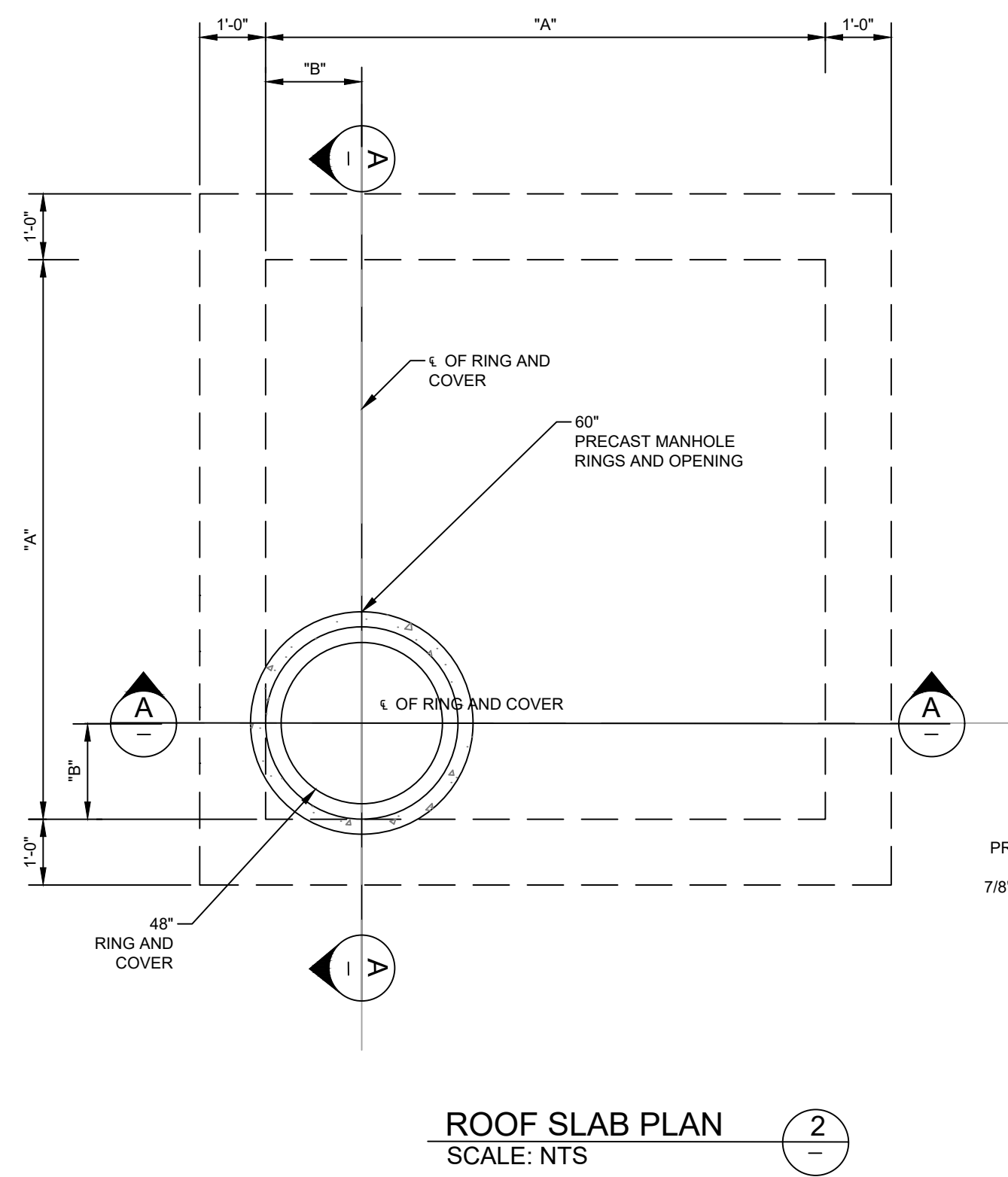
DIMENSION TABLE		
DIM.	MANHOLE	DIM. (FT)
A	ALL PAC DUCT BANK MH'S	7
A	MH'S 1A-4B	10
B	ALL MANHOLES	2.5
C	PAC DUCT BANK MH 1	5.5
C	PAC DUCT BANK MH 2	8.5
C	MH'S 1A-4B	10
D	MH 1A/B, 4A/4B	3
D	MH 2A	3.5
D	MH 2B	4
D	MH 3A/B	FLUSH MOUNT
D	ALL PAC DUCT BANK MH'S	1



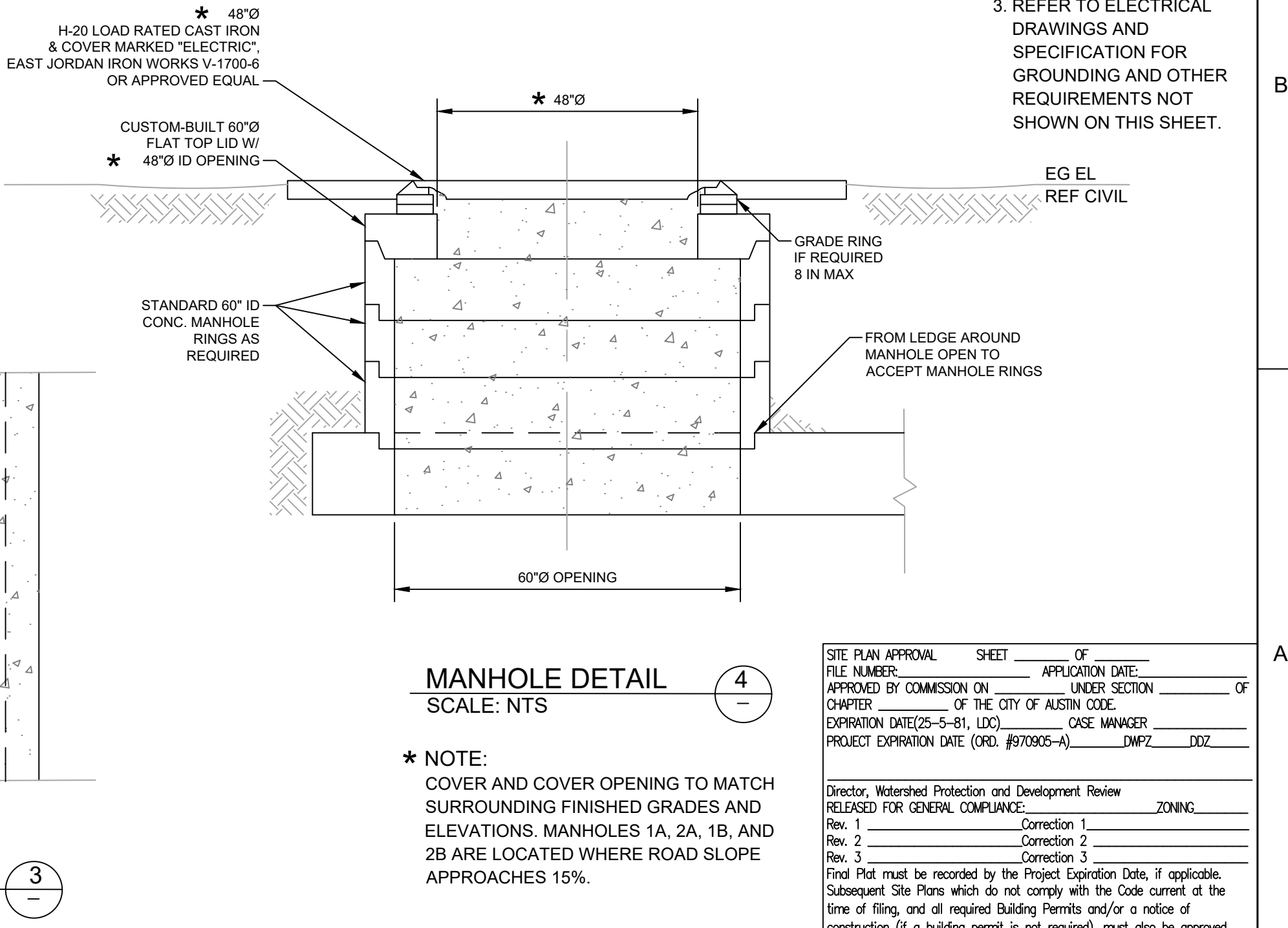
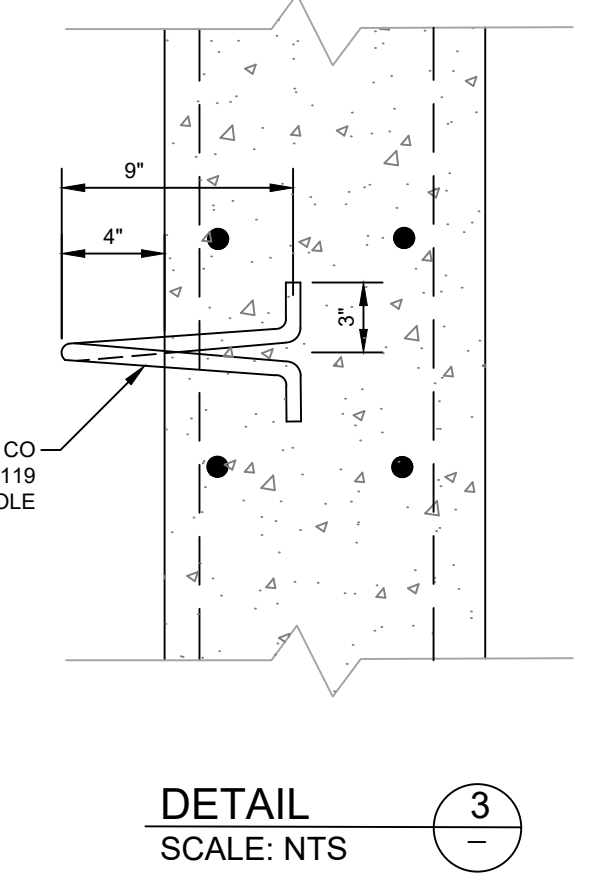
NOTE:  
 1. SEE ELECTRICAL SHEETS FOR GROUNDING.  
 2. CONTRACTOR TO APPLY EXTERIOR COATING TO INHIBIT WAER INTRUSION INTO THE VAULT. EXTERIOR WRAP/ID SEALING OF JOINTS, AND MASTIC JOINT SEALING WHERE JOINTS WILL BE CONNECTED.  
 3. REFER TO ELECTRICAL DRAWINGS AND SPECIFICATION FOR GROUNDING AND OTHER REQUIREMENTS NOT SHOWN ON THIS SHEET.



NOTE:  
 FLOOR SHALL BE SLOPED AT 1% IN ALL DIRECTIONS TOWARD THE SUMP



PROVIDE TWO JOSLYN MFG. & SUPPLY CO PULLING-IN IRON MODEL J-8119 7/8"Ø OR APPROVED EQUAL PER MANHOLE



\* NOTE:  
 COVER AND COVER OPENING TO MATCH SURROUNDING FINISHED GRADES AND ELEVATIONS. MANHOLES 1A, 2A, 1B, AND 2B ARE LOCATED WHERE ROAD SLOPE APPROACHES 15%.

SITE PLAN APPROVAL SHEET OF	FILE NUMBER	APPLICATION DATE
APPROVED BY COMMISSION ON	LINEAR SECTION	OF
CHAPTER	OF THE CITY OF AUSTIN CODE	
EXPIRATION DATE(25-5-81, LDC)	CASE MANAGER	
PROJECT EXPIRATION DATE (ORD. #970905-A)	DMPZ	DOZ

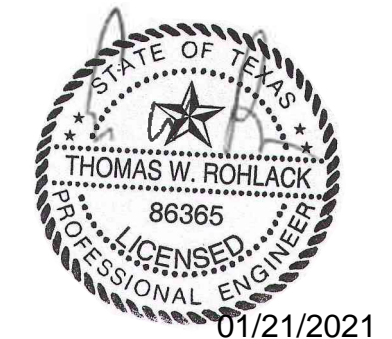
Director, Watershed Protection and Development Review  
 RELEASED FOR GENERAL COMPLIANCE ZONING:  
 Rev. 1 Correction 1  
 Rev. 2 Correction 2  
 Rev. 3 Correction 3  
 Find Plot must be recorded by the Project Expiration Date, if applicable.  
 Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.

CADD FILE: \\CAS-DATASERVER\WATER\ACTIVE PROJECTS\COA W & WW LARGE & SMALL SCALE FACILITIES\2016\WATER\WULLRICH\_LSPS\_SWITCHGEAR\_PROJECT\3.0 WORK PRODUCTS\3.6 CAD\126SITED03\_PLOTTED-1/15/2021 12:56:49 PM BY: JANE FU CFB FILE: CAS.CTB

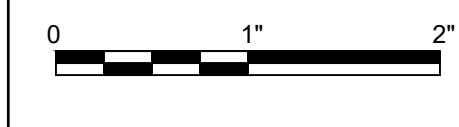


0 01/21/2021 CONFORMED CONTRACT DRAWINGS  
 ISSUE DATE DESCRIPTION

PROJECT MANAGER	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
DATE	01/21/2021
PROJECT NUMBER	1126

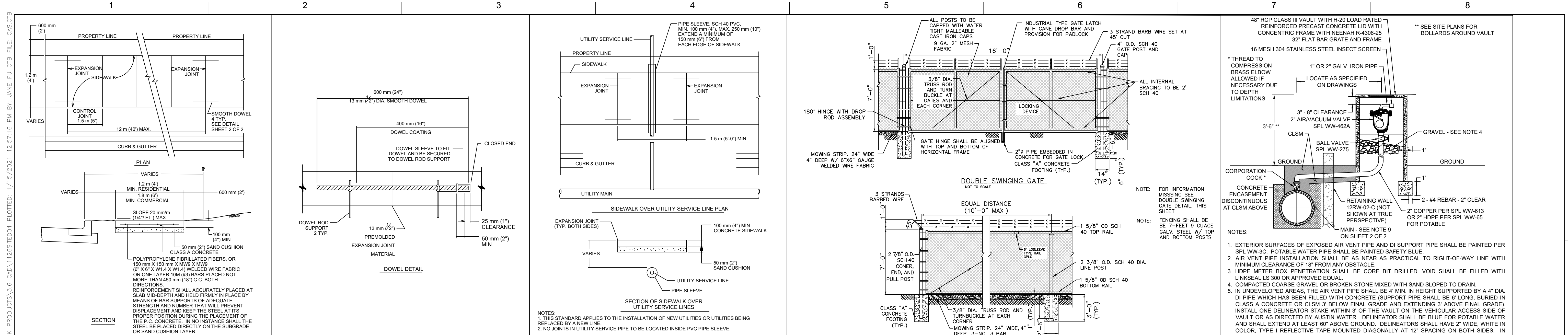


ULLRICH WTP  
 LOW SERVICE PUMP STATION  
 ELECTRICAL FEED RENEWAL

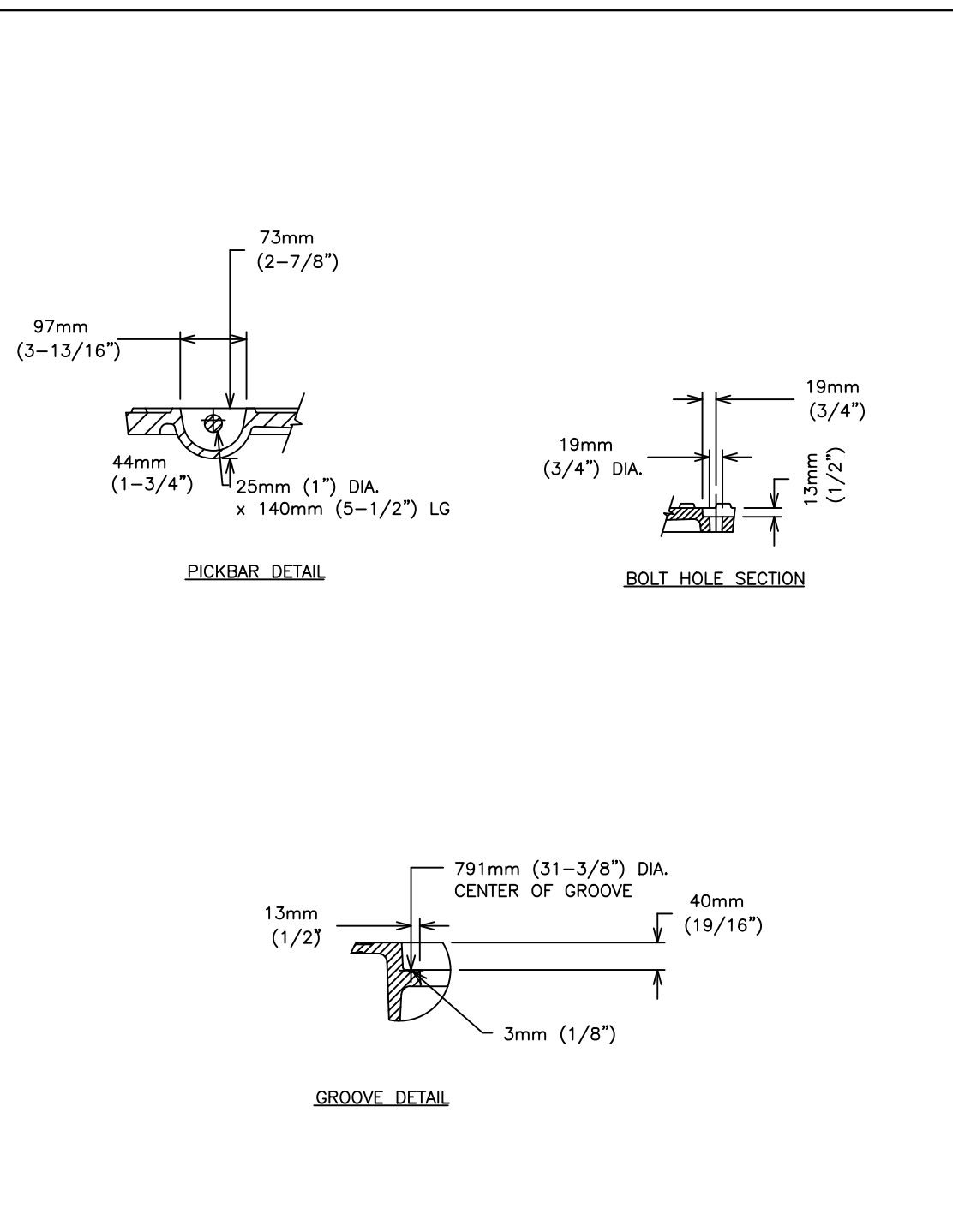
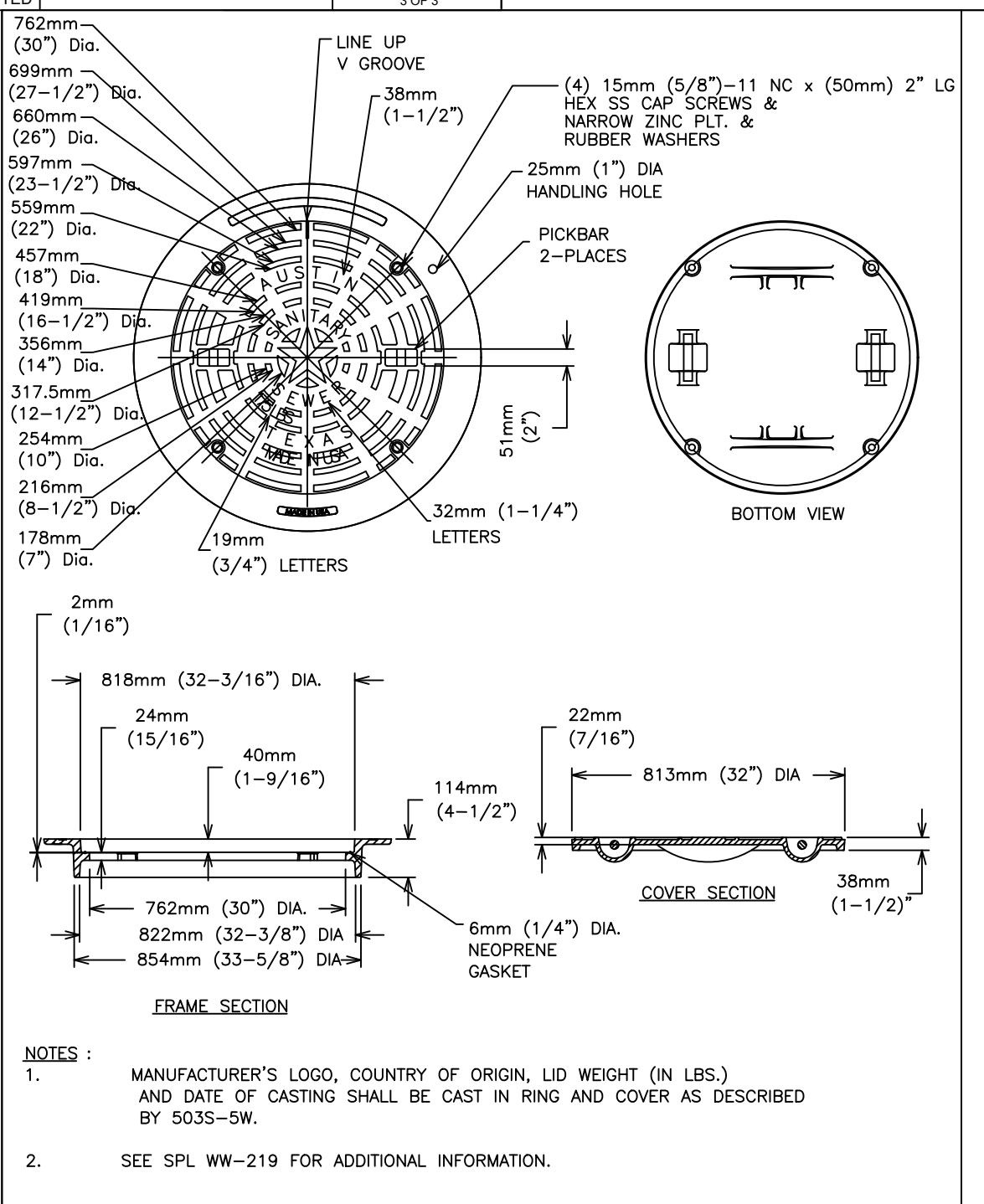
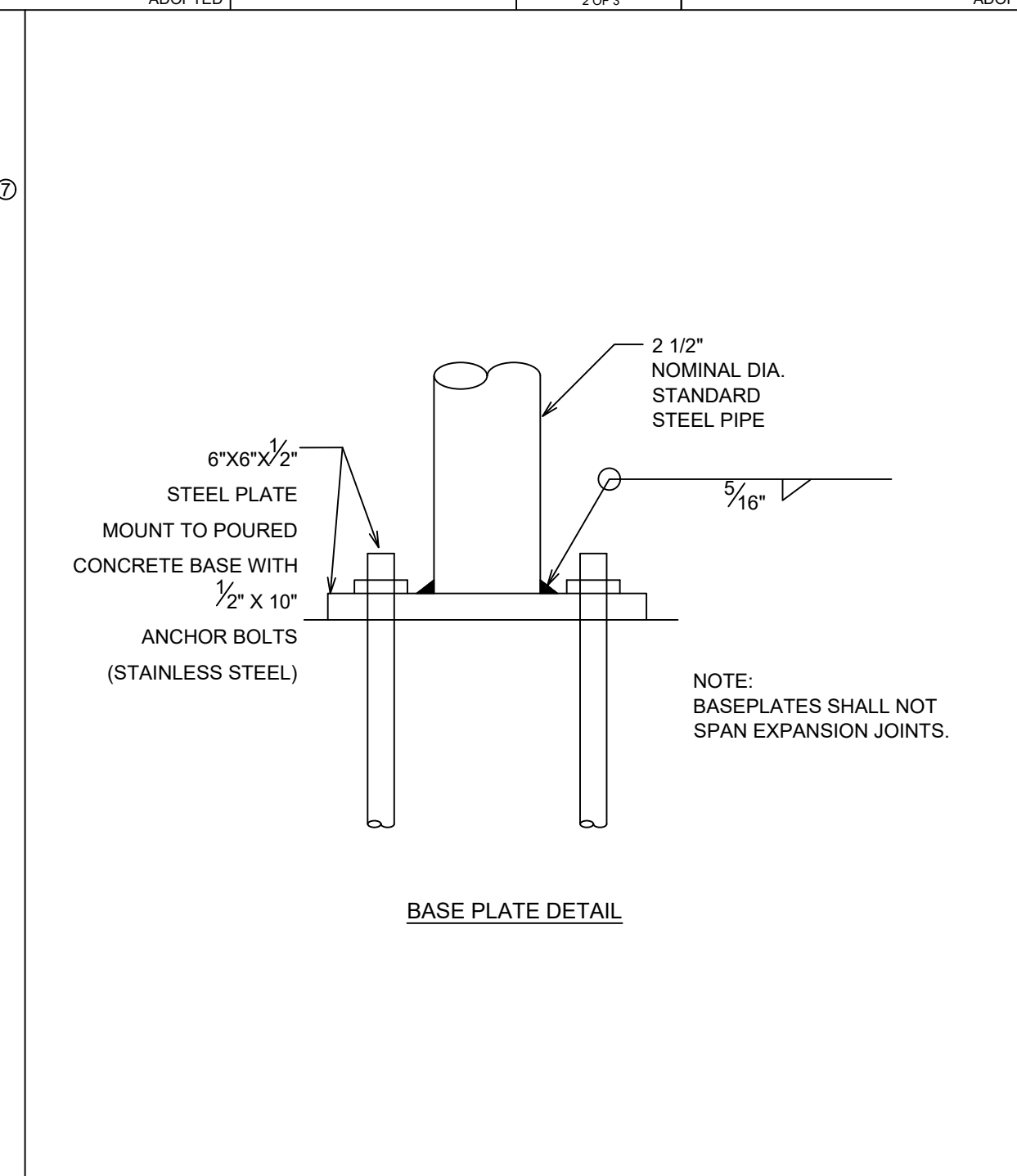
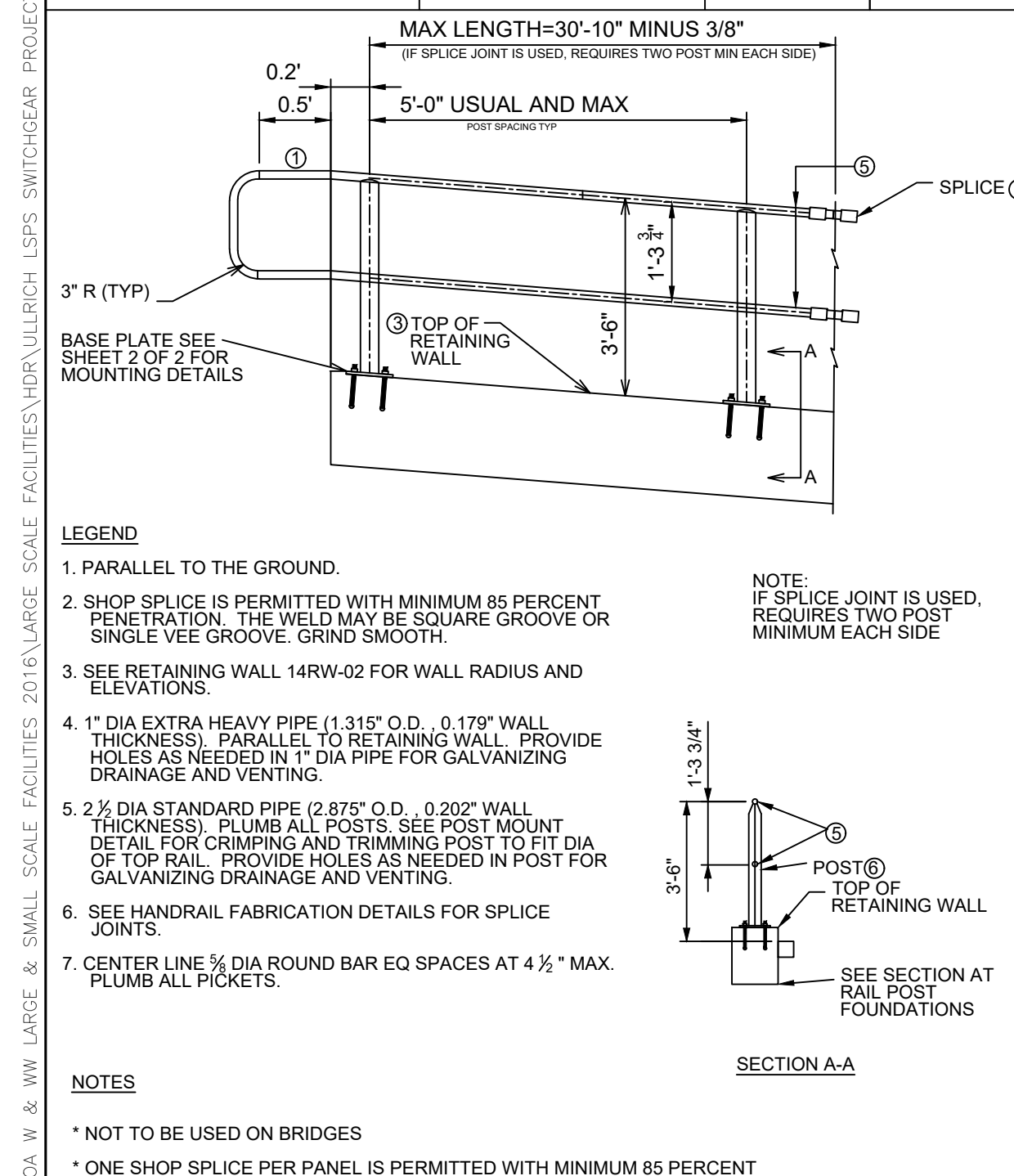


FILENAME 1126SITED03  
 SCALE N.T.S.

SHEET 15 of 350  
**C10-106**



CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	SIDEWALK	STANDARD NO. 432S-1	CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	SIDEWALK	STANDARD NO. 432S-1
RECORD COPY SIGNED BY BILL GARDNER 03/26/08	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	ADOPTED	RECORD COPY SIGNED BY BILL GARDNER 03/26/08	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	ADOPTED



CITY OF AUSTIN AUSTIN WATER	AIR RELEASE AND AIR/VACUUM VALVE	STANDARD NO. 511-AW-04 MOD 1 OF 2
RECORD COPY SIGNED BY KATHI L FLOWERS 06/01/10	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	ADOPTED



CITY OF AUSTIN AUSTIN WATER	AIR RELEASE AND AIR/VACUUM VALVE	STANDARD NO. 511-AW-04 MOD 2 OF 2
RECORD COPY SIGNED BY KATHI L FLOWERS 06/01/10	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	ADOPTED

**CAS CONSULTING & SERVICES, INC.**  
 CIVIL ENGINEERING | PROGRAM MANAGEMENT | CONSTRUCTION MANAGEMENT  
 7908 Cameron Road | Austin, TX 78754 | REG. NO. F-005372  
 MAIN: 512.836.2888 | FAX: 512.836.4515

**HDR**  
 Texas P.E. Firm  
 Registration No. F-754

PROJECT MANAGER		
DESIGNED BY		
DRAWN BY		
CHECKED BY		
DATE	01/21/2021	CONFORMED CONTRACT DRAWINGS
ISSUE	DATE	DESCRIPTION

**PROJECT MANAGER**

DESIGNED BY

DRAWN BY

CHECKED BY

DATE 01/21/2021

PROJECT NUMBER 1126

**CITY OF AUSTIN**

ULLRICH WTP  
 LOW SERVICE PUMP STATION  
 ELECTRICAL FEED RENEWAL

**SITE DETAILS (4 OF 4)**

0 1" 2"

FILENAME 1126SITED04

SHEET 16 of 350

**C10-107**

SCALE N.T.S.

CADD FILE: \\CAS-DATASERVER\WATER\ACTIVE PROJECTS\COA W & WW LARGE & SMALL SCALE FACILITIES\DRY\ULLRICH LS\SPS\_SWITCHGEAR PROJECTS\3.0 WORK PRODUCTS\3.6 CAD\1126SITED04\_PLOTTED-1/15/2021 12:57:16 PM BY: JANE.FU.CTB FILE: CAS.CTB

A B C D

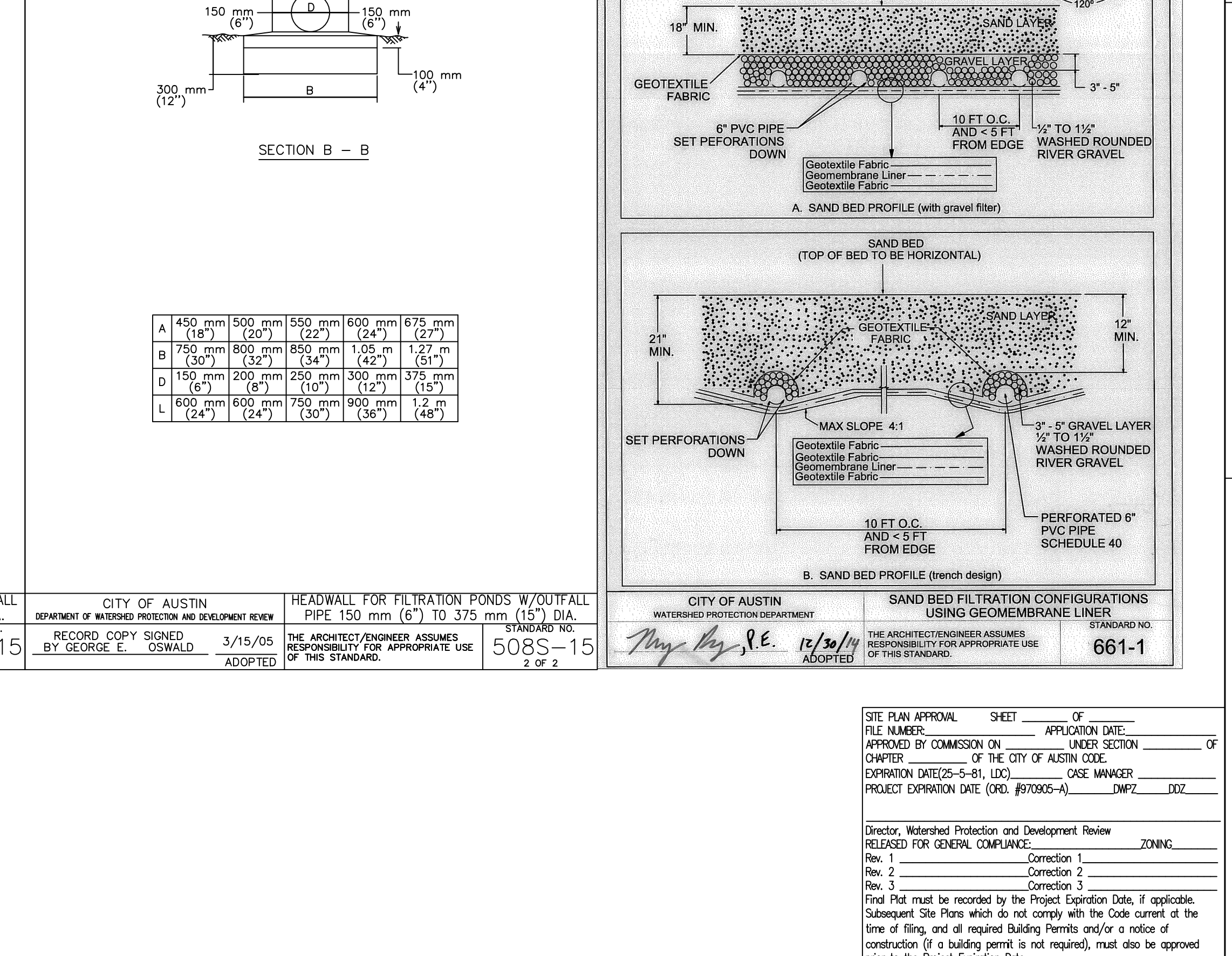
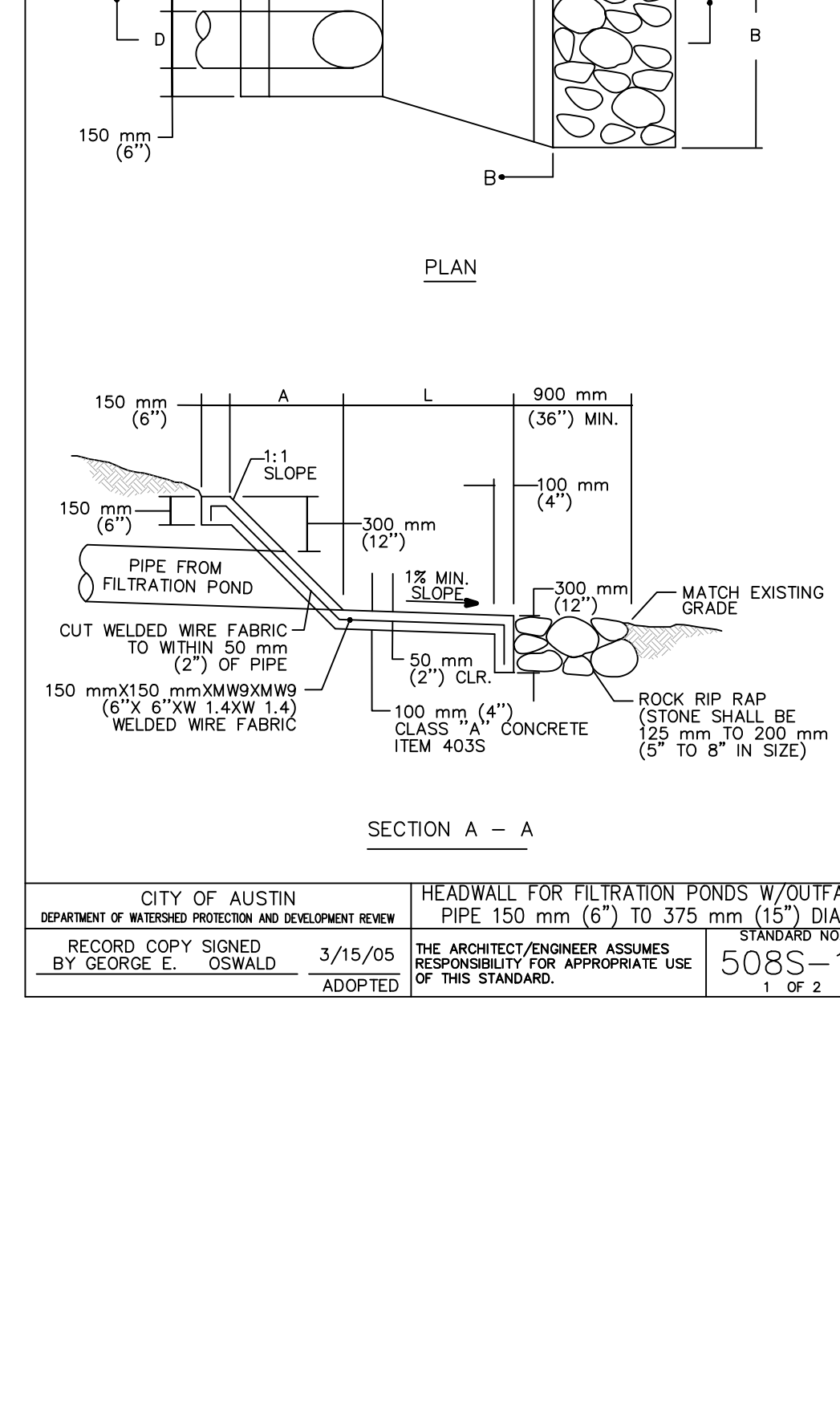
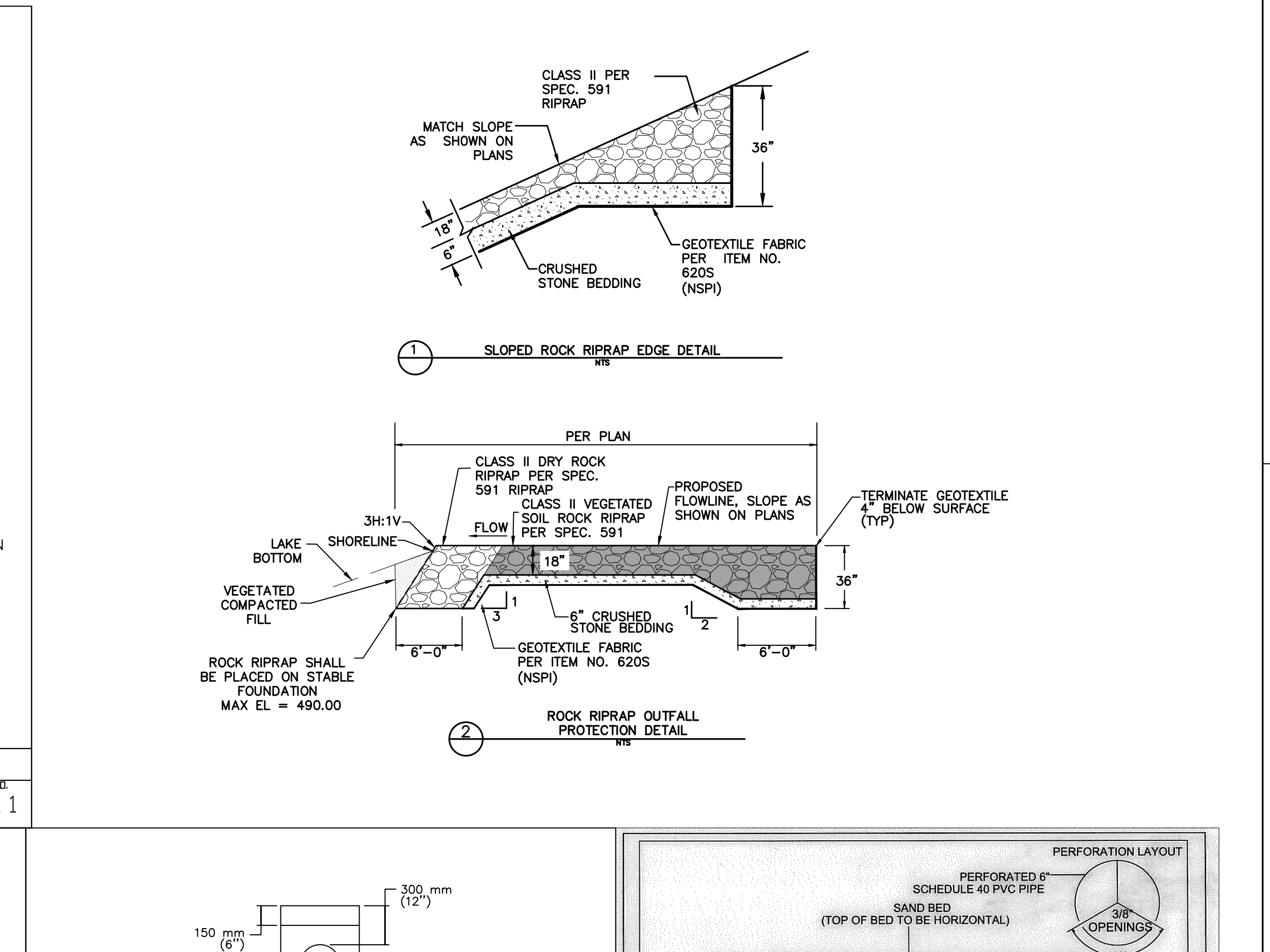
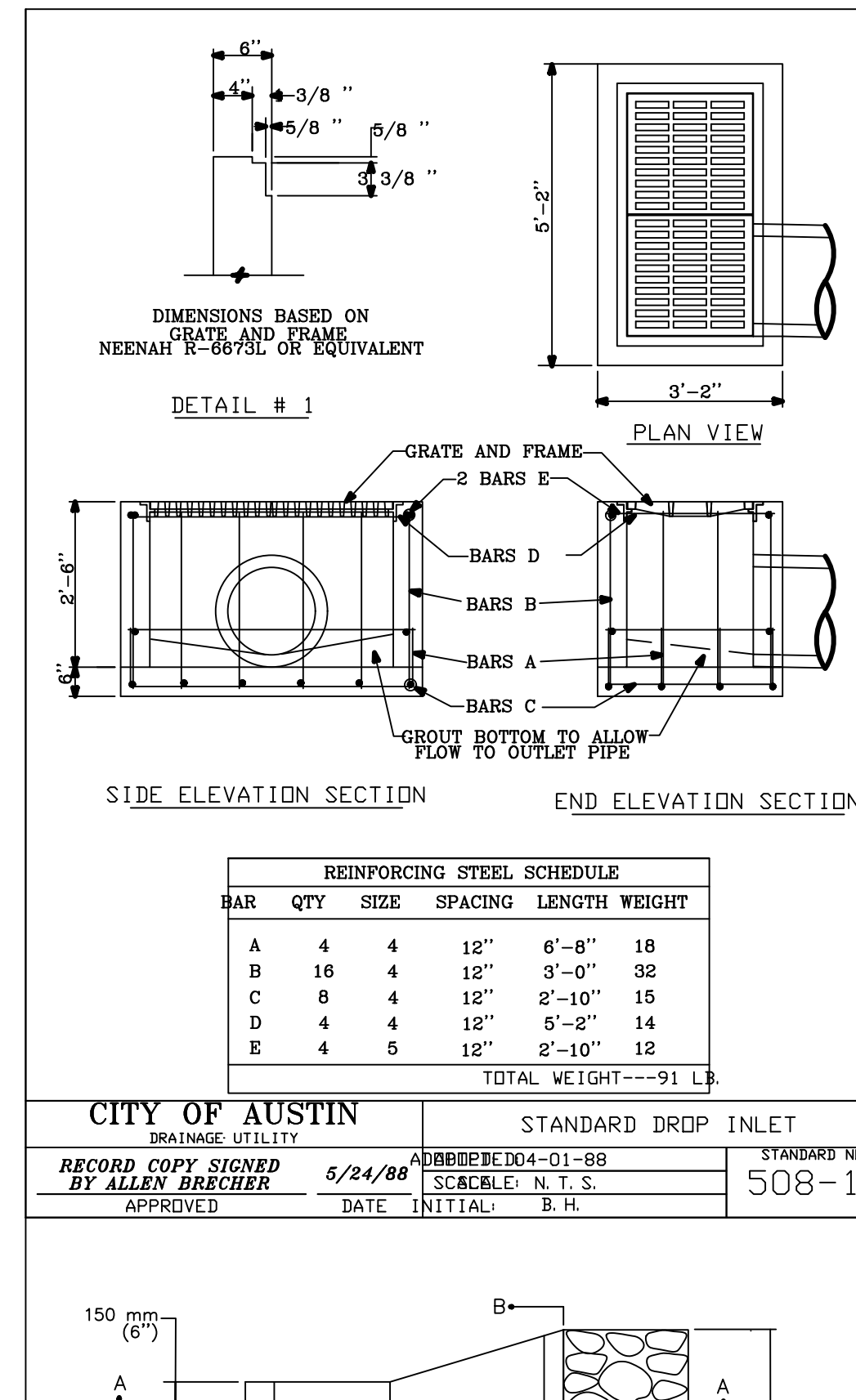
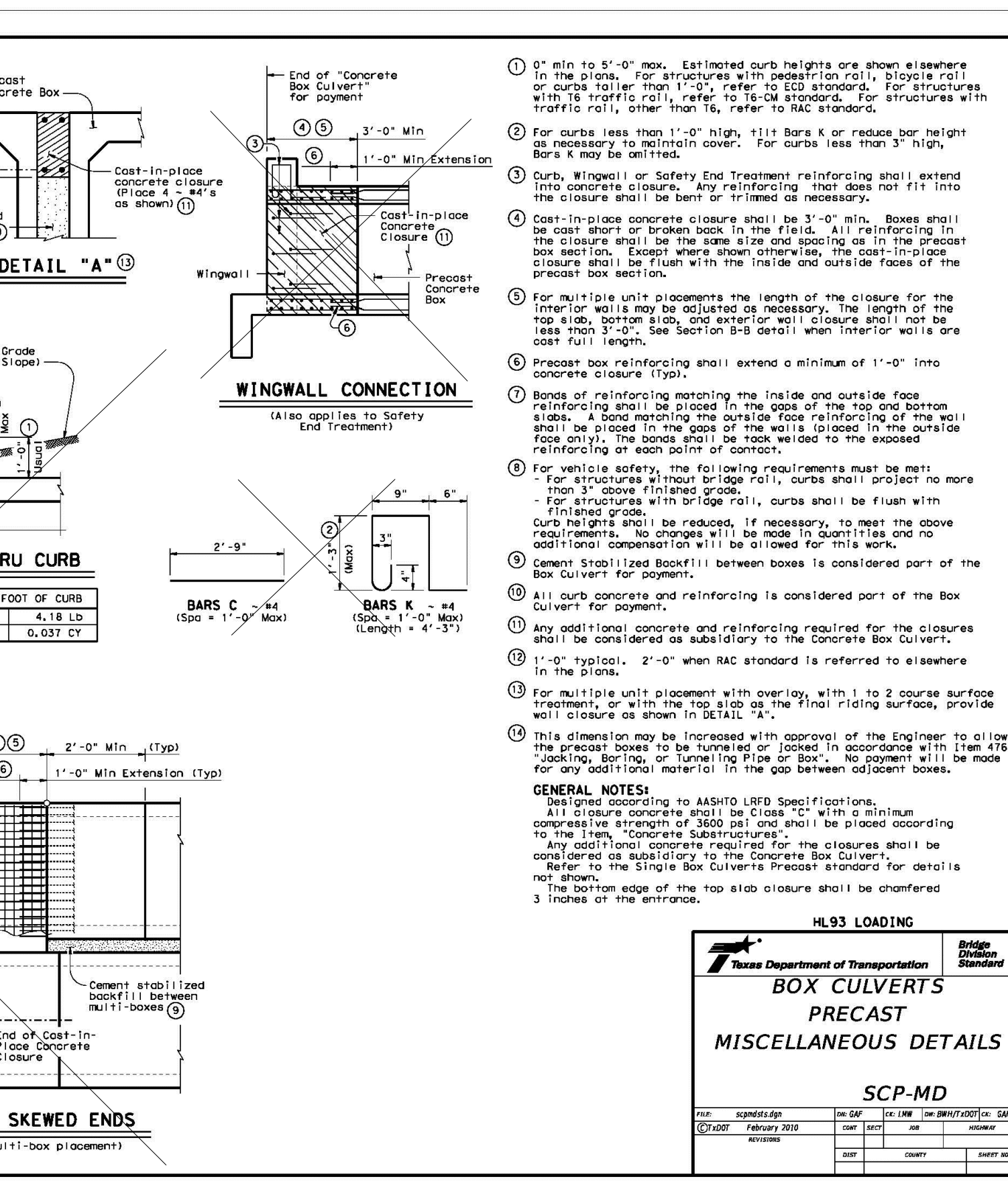
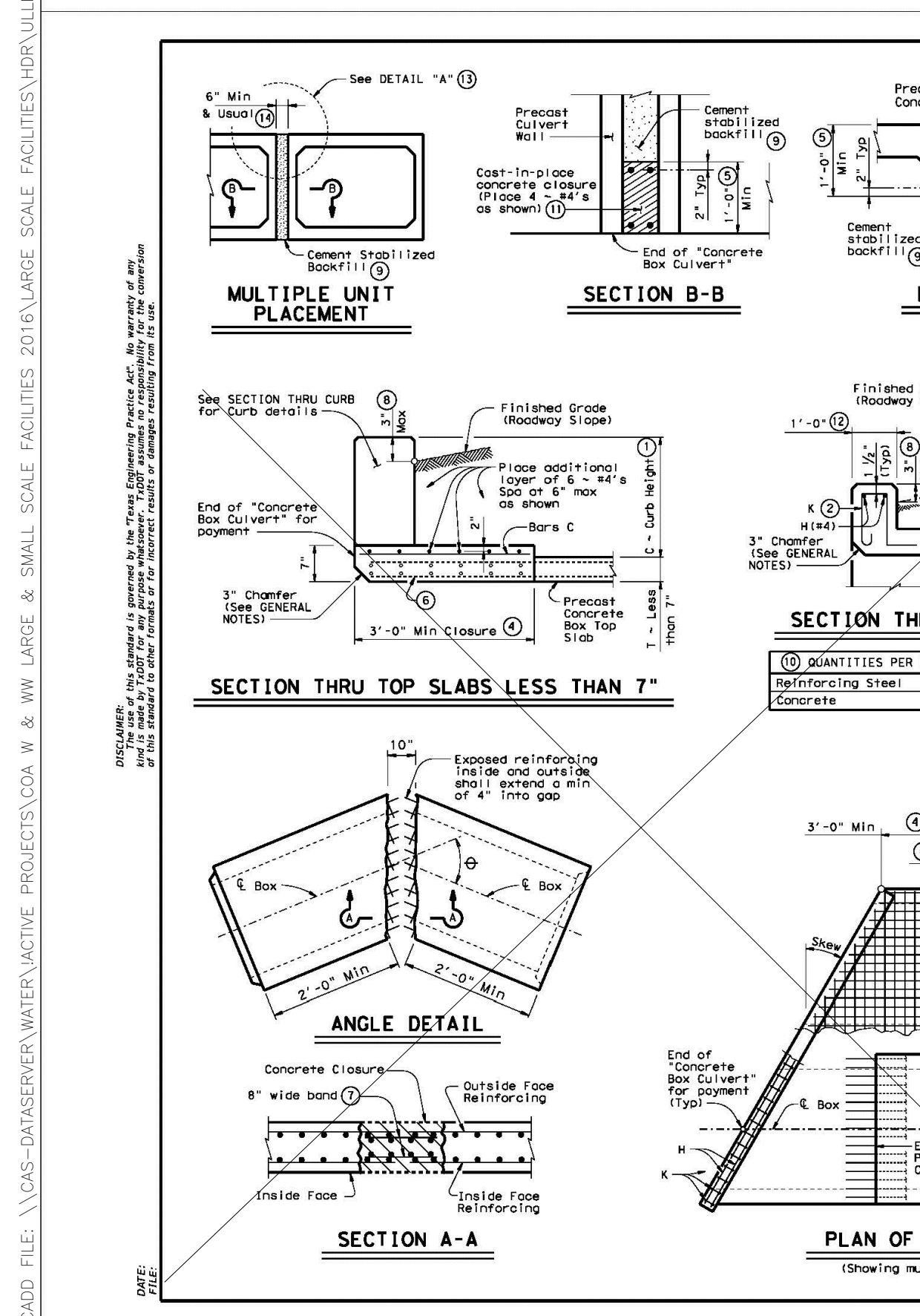
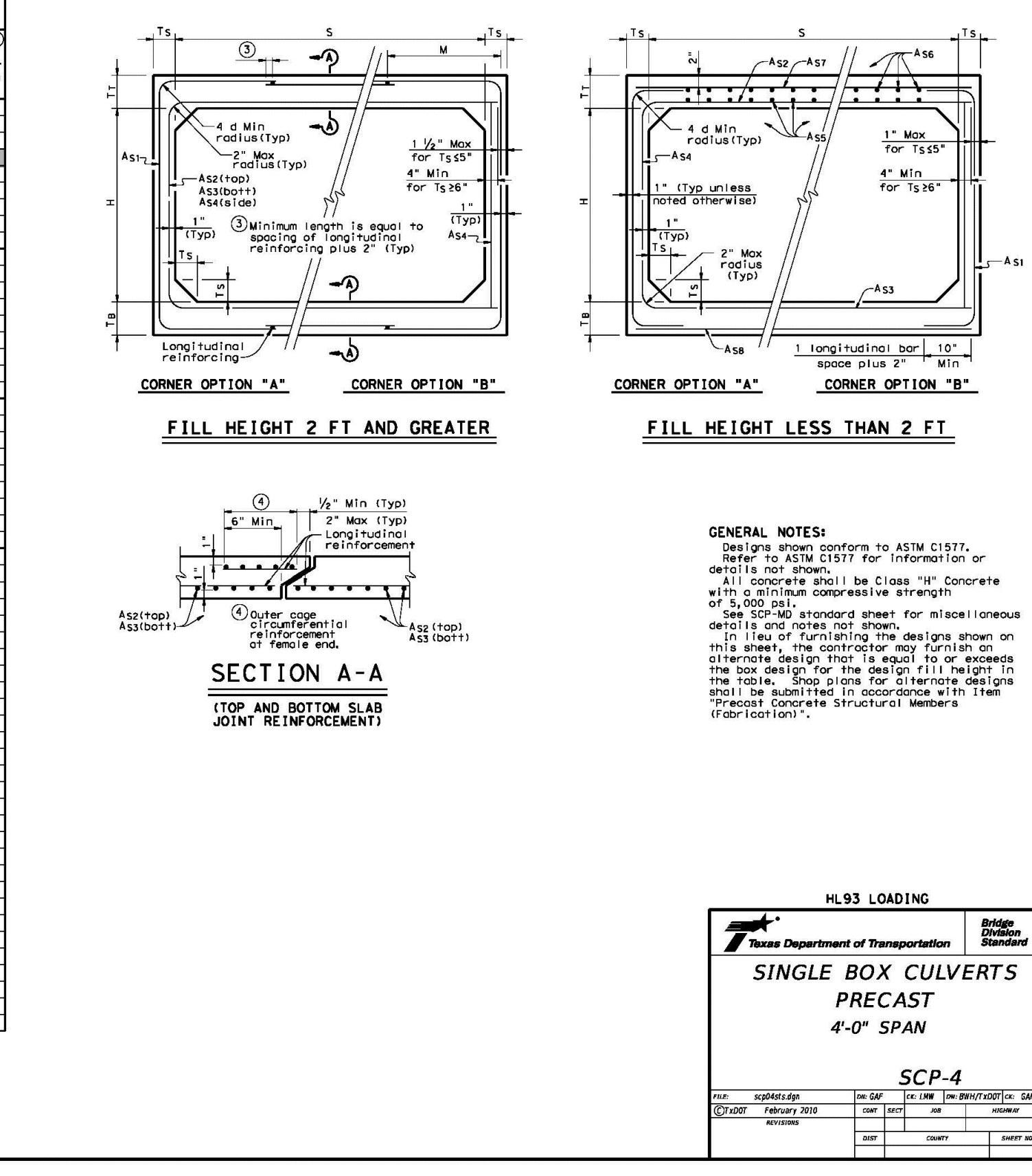
SITE PLAN APPROVAL SHEET OF	
FILE NUMBER	APPLICATION DATE
APPROVED BY COMMISSION ON	LINER SECTION
CHAPTER	OF THE CITY OF AUSTIN CODE
EXPIRATION DATE(25-5-81, LDC)	CASE MANAGER
PROJECT EXPIRATION DATE (ORD. #970905-A)	DMPZ DOZ

Director, Watershed Protection and Development Review	ZONING
RELEASED FOR GENERAL COMPLIANCE	
Rev. 1	Correction 1
Rev. 2	Correction 2
Rev. 3	Correction 3

Find Plot must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.

SPC-03-005C (R2)

SECTION DIMENSIONS		REINFORCING (in <sup>2</sup> /ft)										L <sup>1</sup>											
S	H	T <sub>1</sub>	T <sub>2</sub>	T <sub>3</sub>	T <sub>4</sub>	T <sub>5</sub>	T <sub>6</sub>	T <sub>7</sub>	T <sub>8</sub>	T <sub>9</sub>	T <sub>10</sub>	Height (ft)	M (min)	A <sub>1</sub>	A <sub>2</sub>	A <sub>3</sub>	A <sub>4</sub>	A <sub>5</sub>	A <sub>6</sub>	A <sub>7</sub>	A <sub>8</sub>	Weight (Tons)	
4	2	7.5	6	5	2	-	0.18	0.27	0.15	0.12	0.18	0.18	0.14	4.5									3.6
4	2	5	5	5	2C3	38	0.18	0.19	0.17	0.12	-	-	-	3.6									3.6
4	2	5	5	5	3-5	38	0.13	0.13	0.13	0.12	-	-	-	3.6									3.6
4	2	5	5	5	10	38	0.12	0.12	0.12	0.12	-	-	-	3.6									3.6
4	2	5	5	5	25	38	0.23	0.25	0.25	0.12	-	-	-	3.6									3.6
4	2	5	5	5	30	38	0.28	0.30	0.30	0.12	-	-	-	3.6									3.6
4	3	7.5	6	5	2	-	0.18	0.31	0.18	0.12	0.18	0.18	0.14	5.0									4.1
4	3	5	5	5	2C3	38	0.15	0.23	0.20	0.12	-	-	-	4.1									4.1
4	3	5	5	5	3-5	38	0.12	0.18	0.18	0.12	-	-	-	4.1									4.1
4	3	5	5	5	10	38	0.12	0.14	0.14	0.12	-	-	-	4.1									4.1
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4	4	5	5	5	25	38	0.14	0.31	0.31	0.12	-	-	-	4.6									4.6
4	4	5	5	5	30	38	0.17	0.37	0.37	0.12	-	-	-	4.6									4.6



**CAS CONSULTING & SERVICES, INC.**

**HR**

Texas P.E. Firm  
Registration No. F-754

ISSUE	DATE	DESCRIPTION
0	01/21/2021	CONFORMED CONTRACT DRAWINGS

**PROJECT MANAGER**

**DESIGNED BY**

**DRAWN BY**

**CHECKED BY**

**DATE**

**PROJECT NUMBER** 1126

**CITY OF AUSTIN**

**ULLRICH WTP**

**LOW SERVICE PUMP STATION**

**ELECTRICAL FEED RENEWAL**

**STORM DETAILS (1 OF 3)**

FILENAME 1126STRM01

SHEET 17 of 350

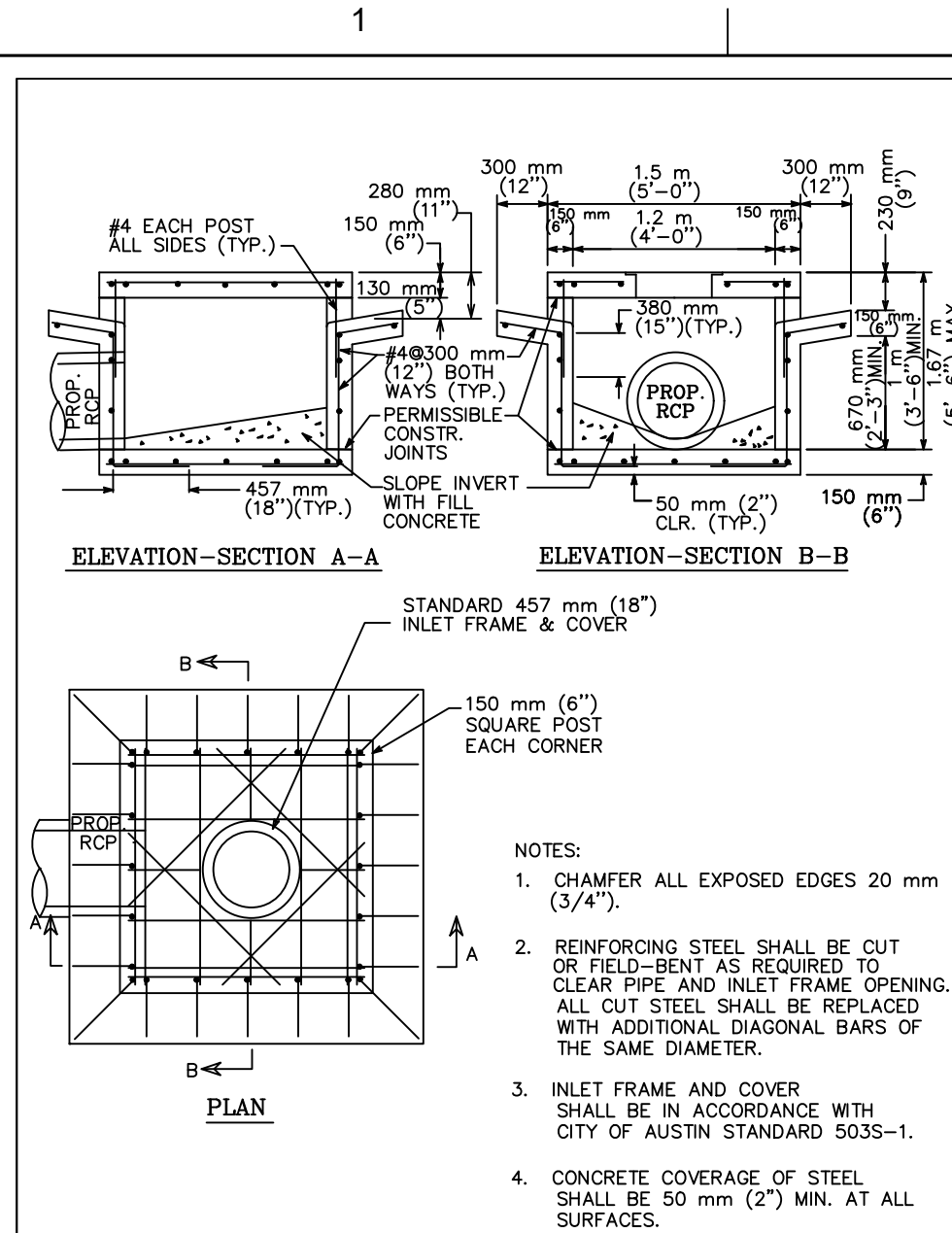
**C10-108**

SCALE N.T.S.

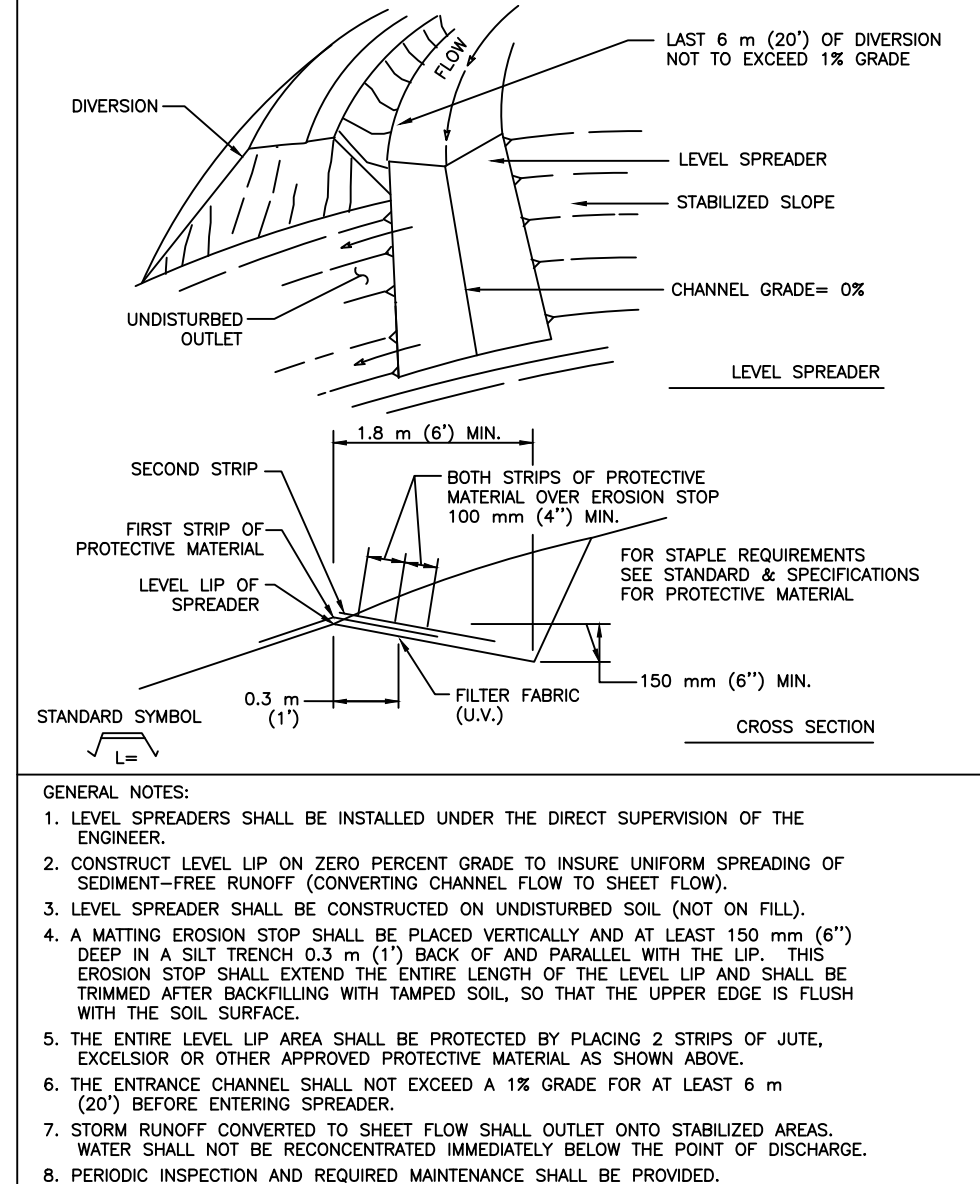
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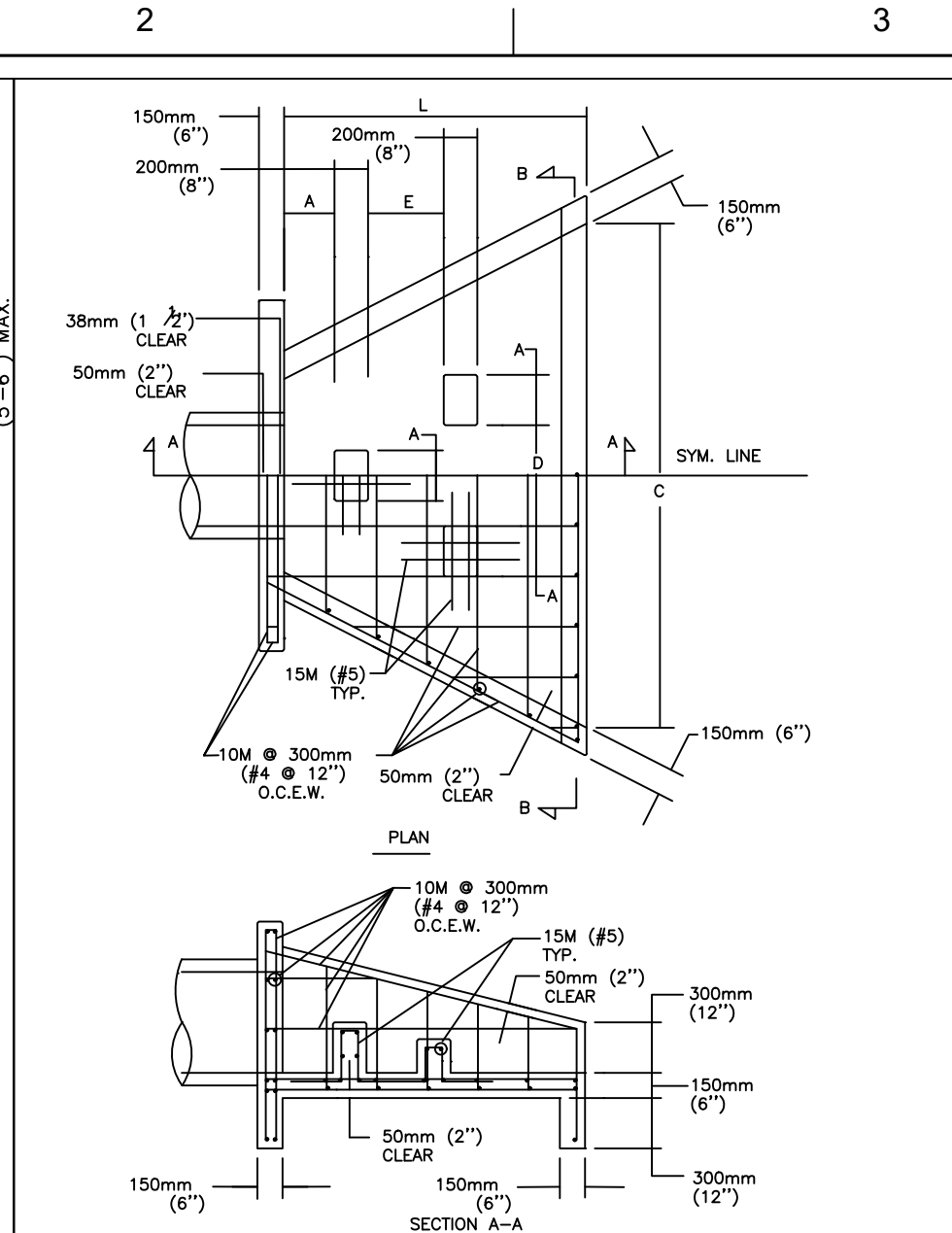
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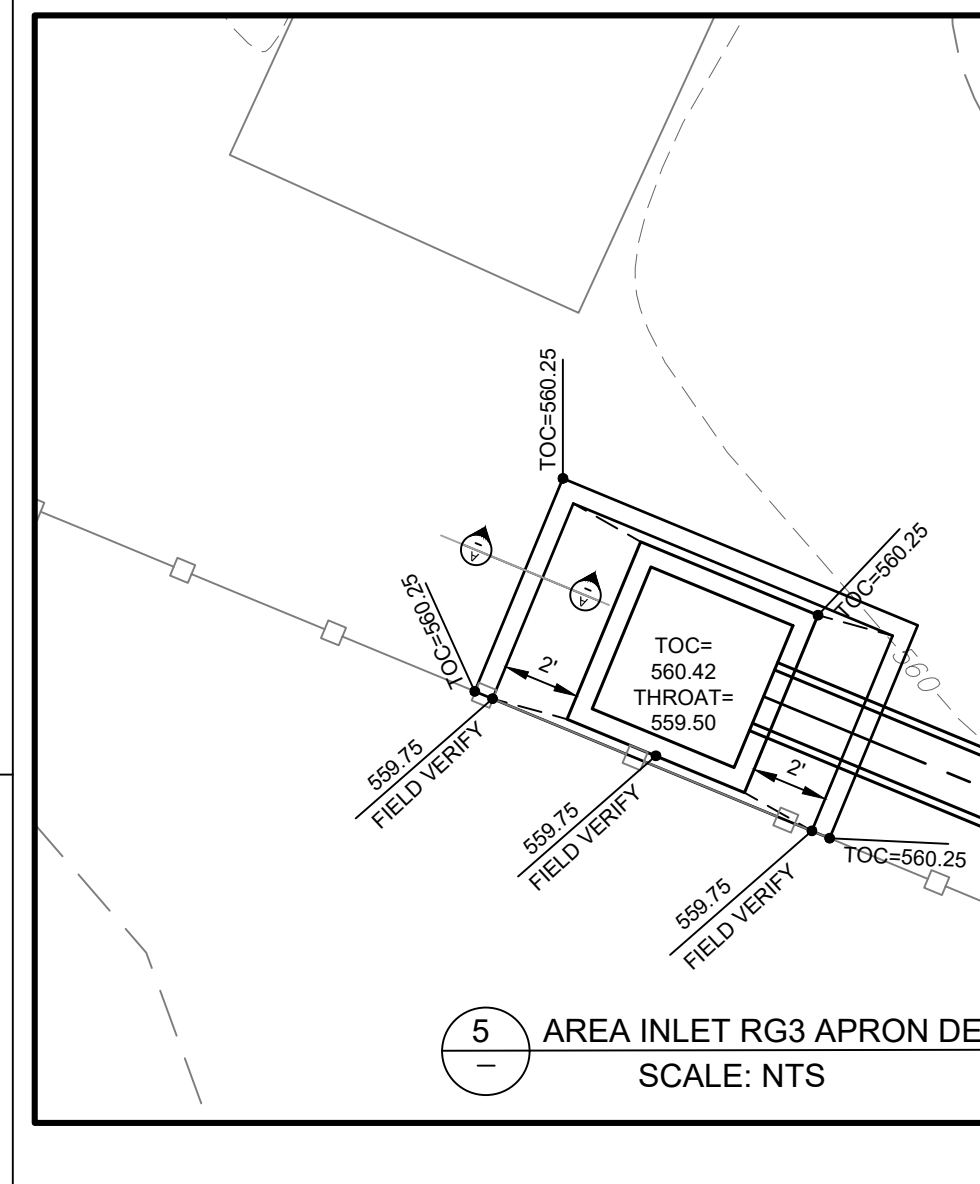
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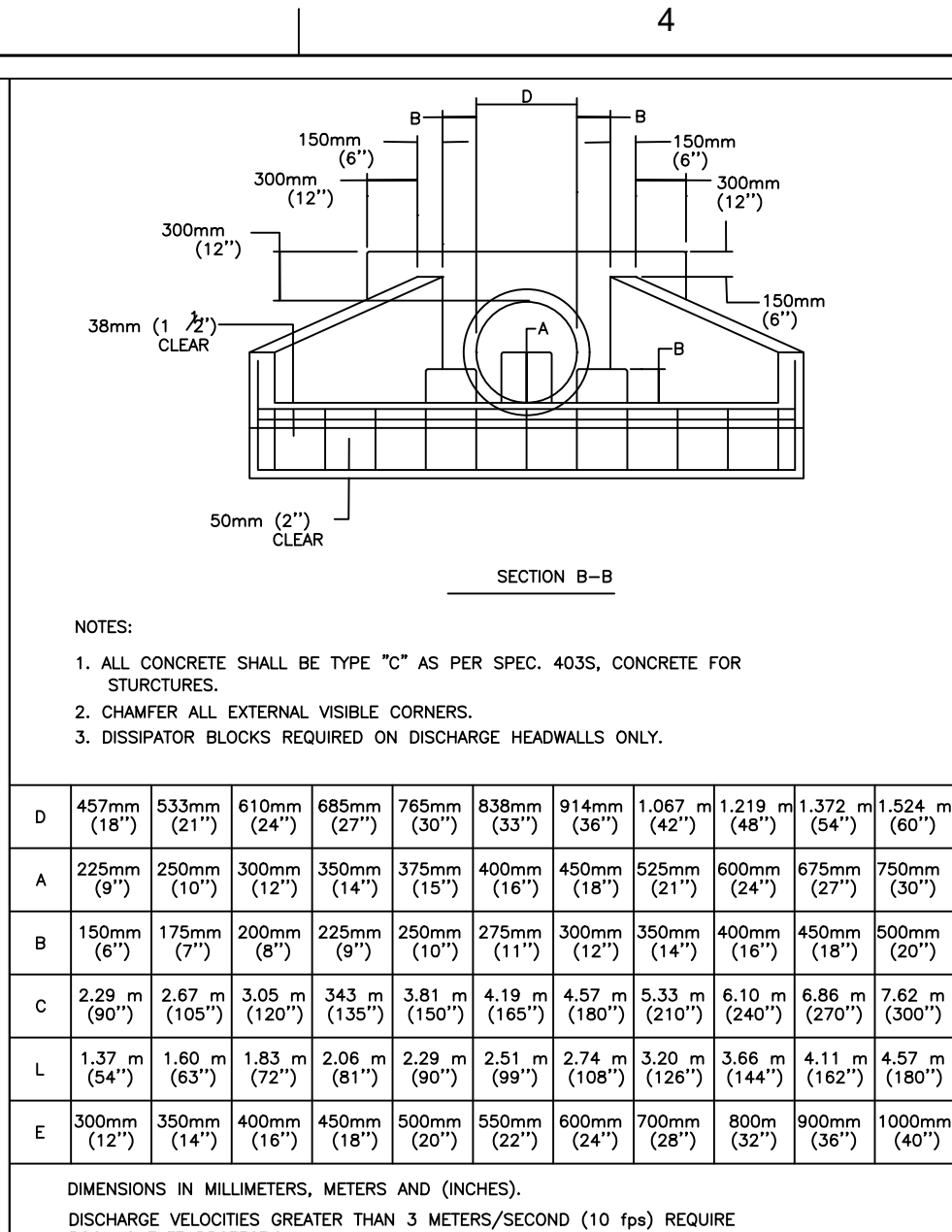
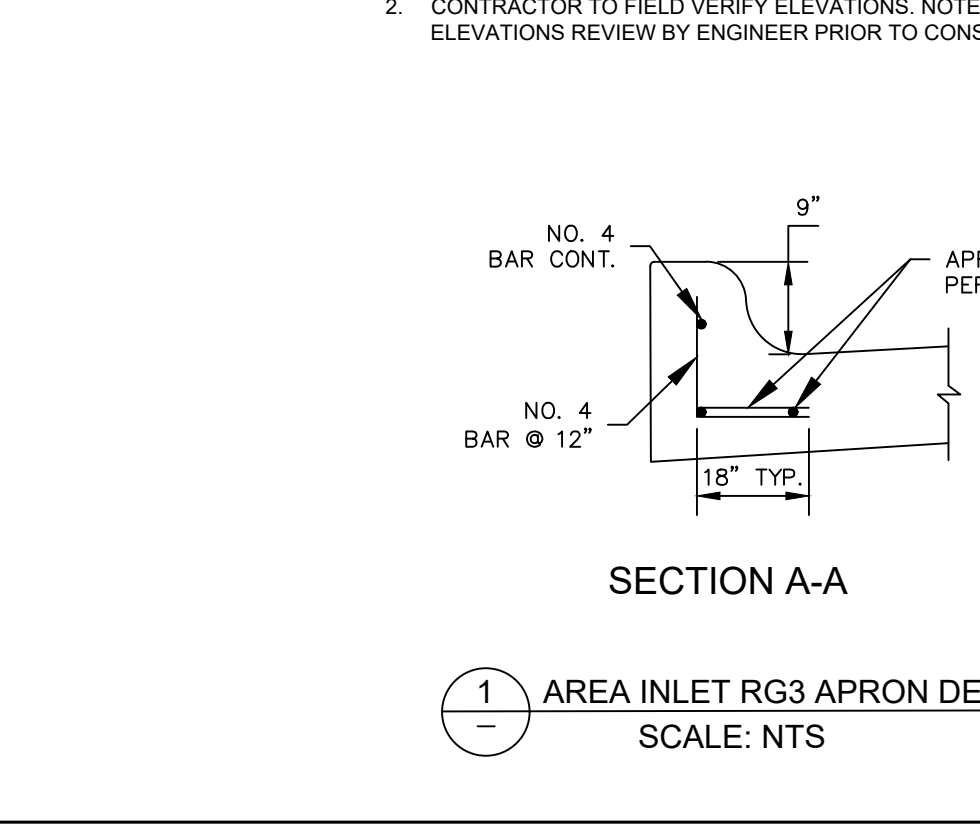
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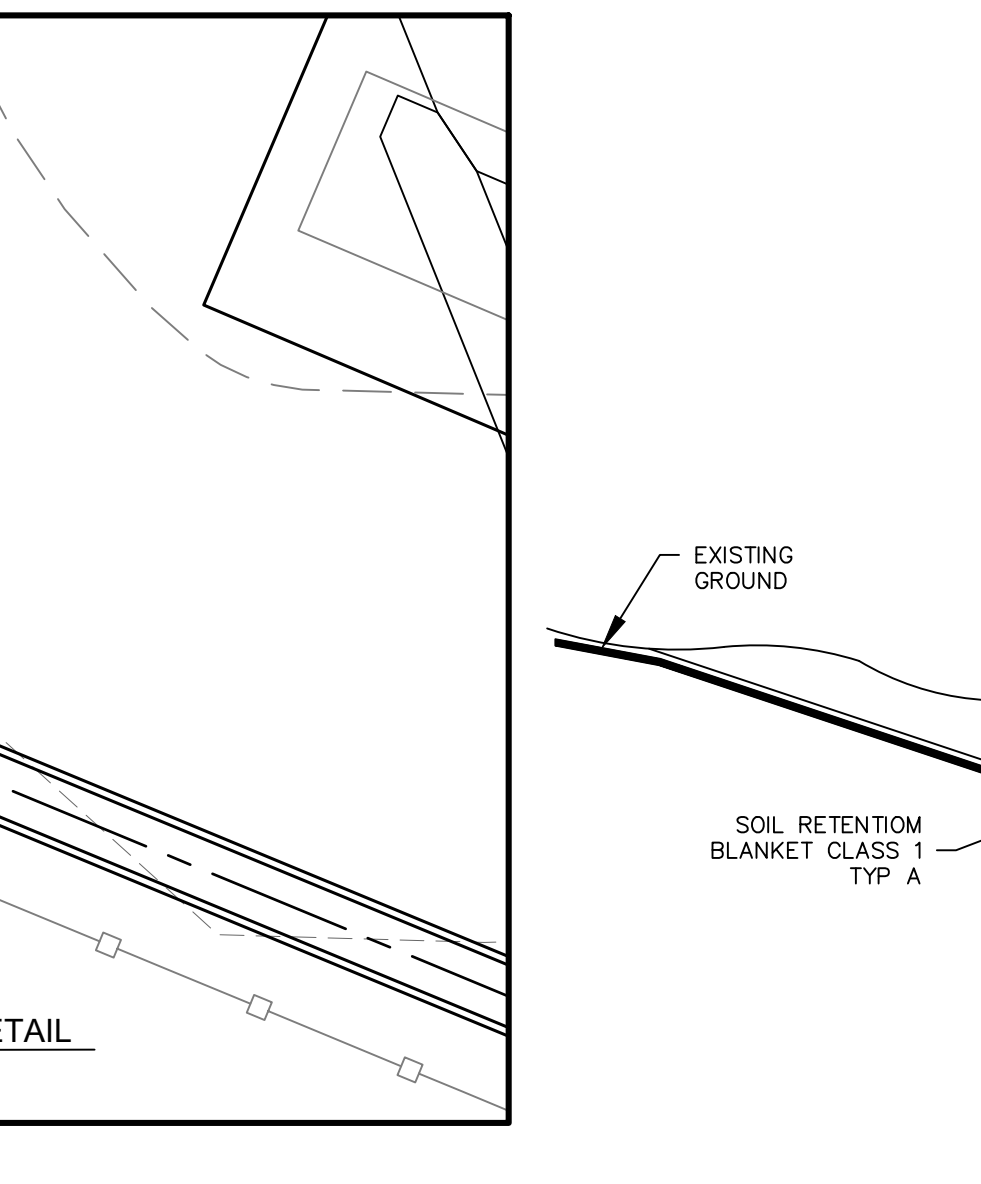
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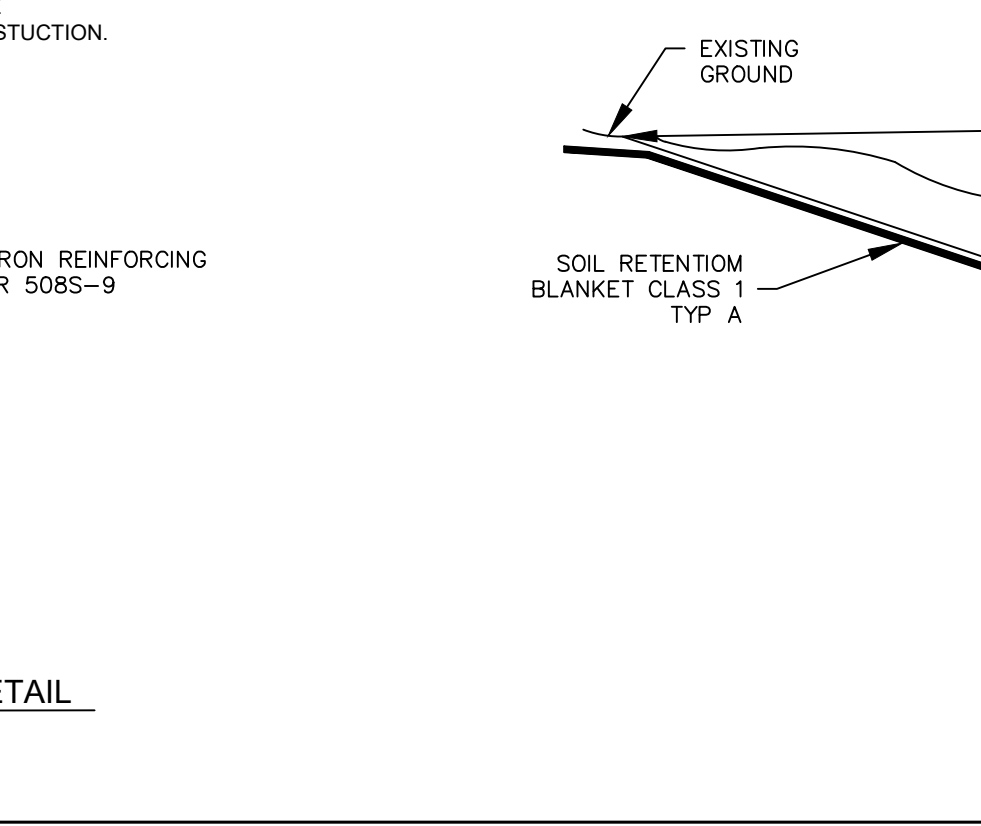
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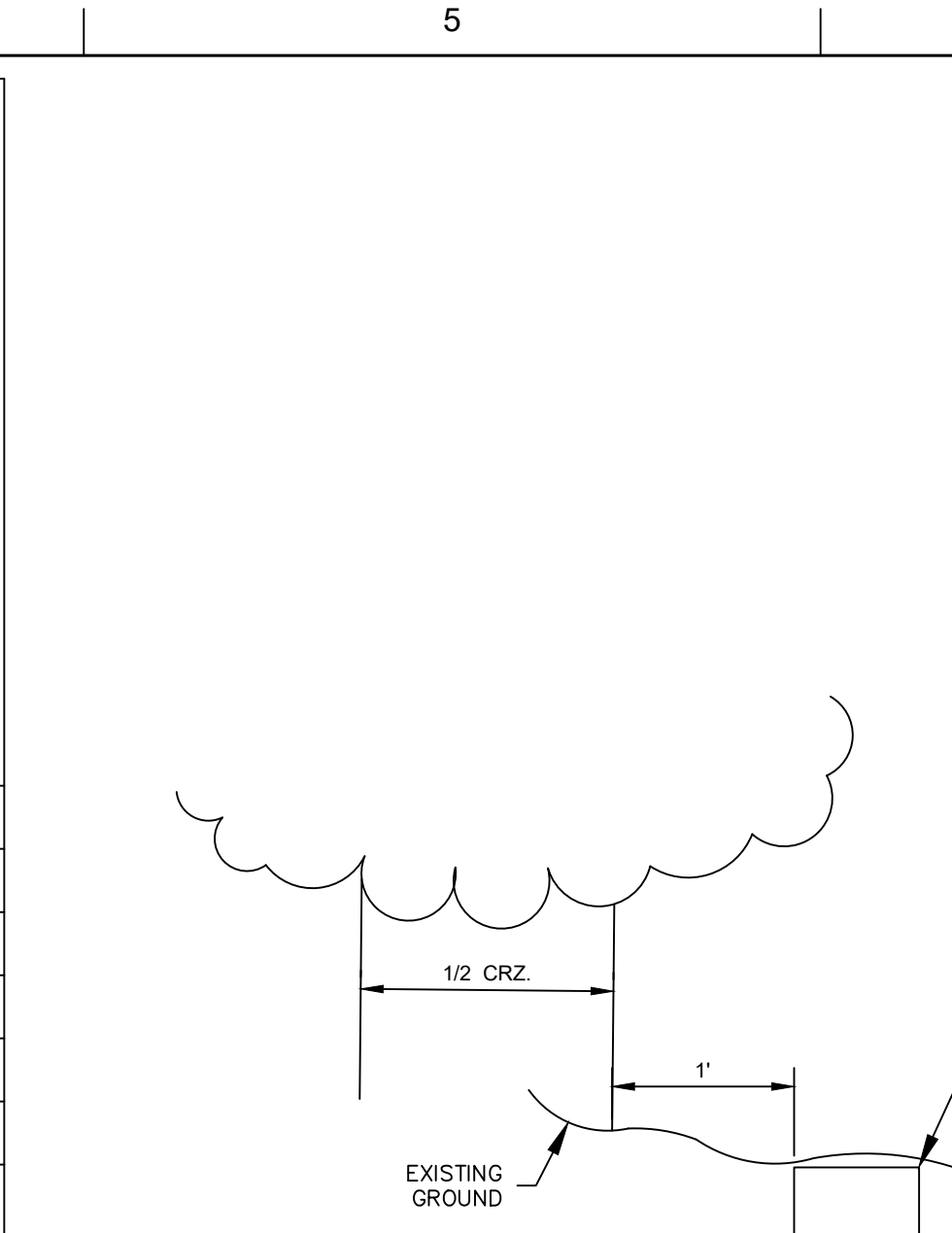
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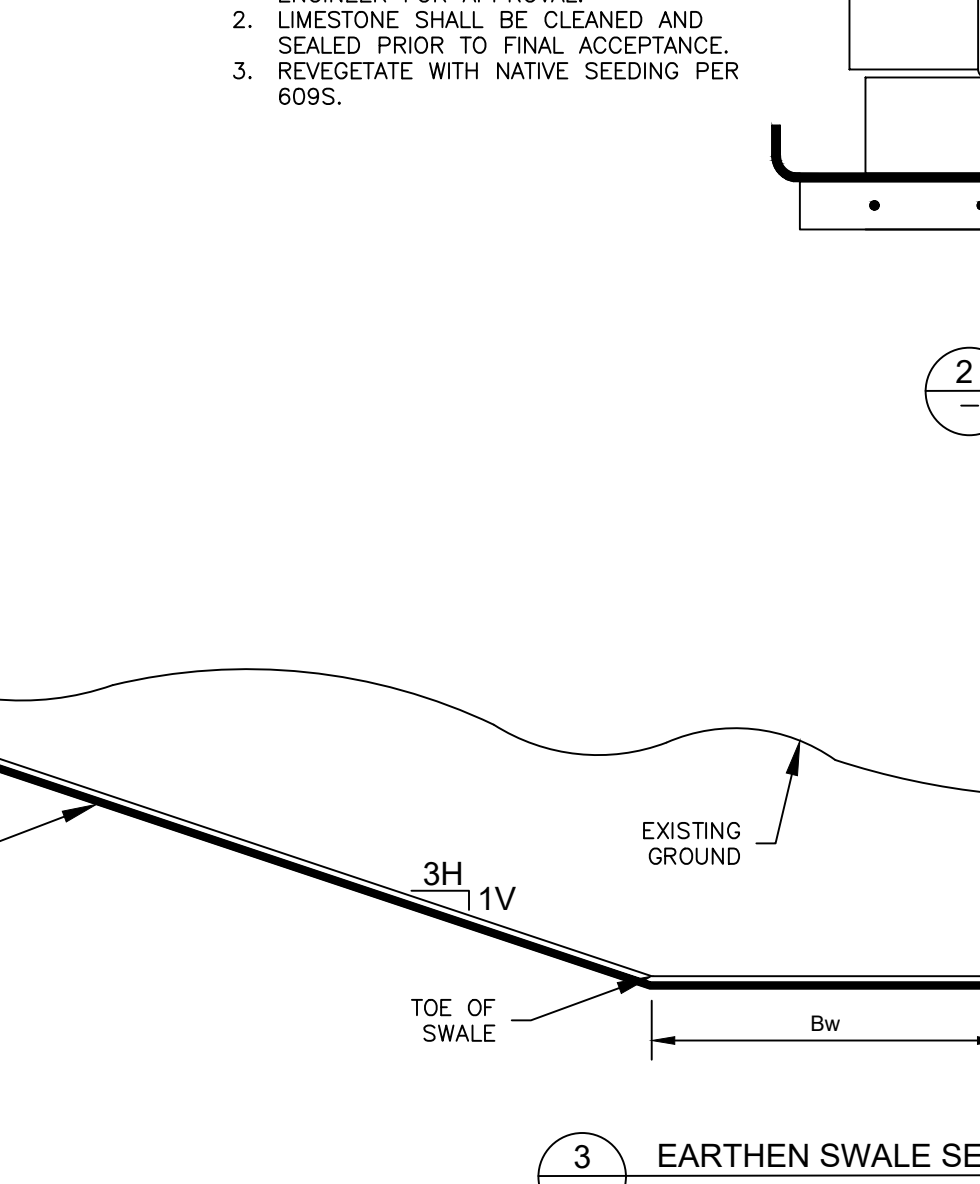
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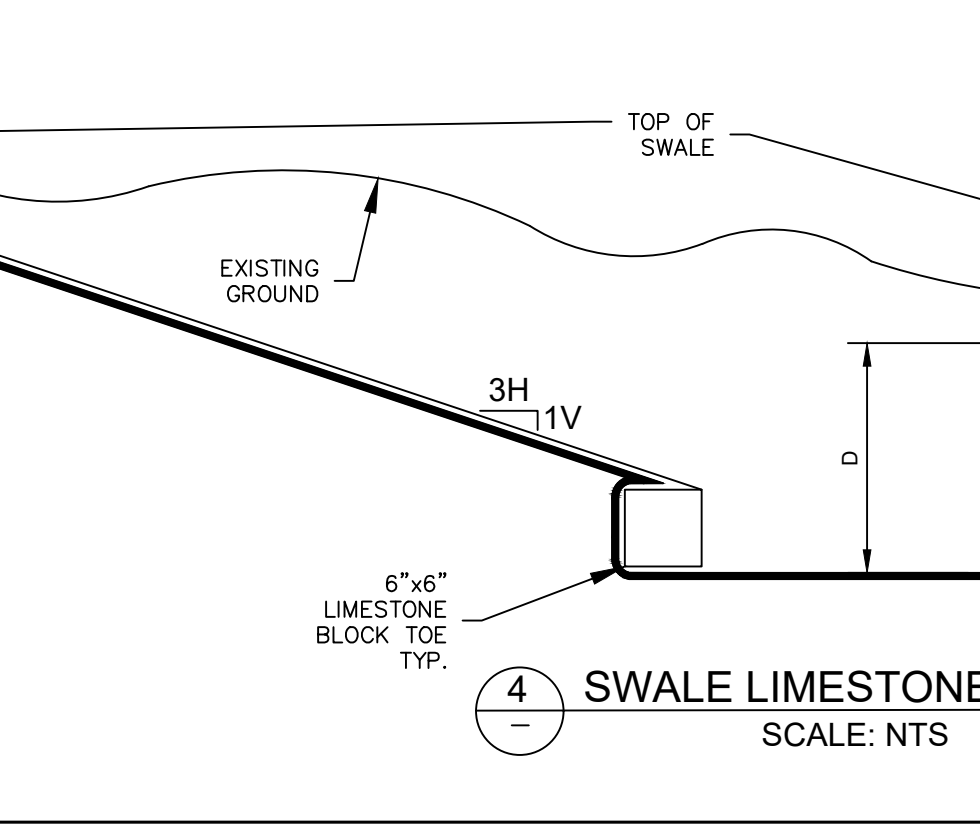
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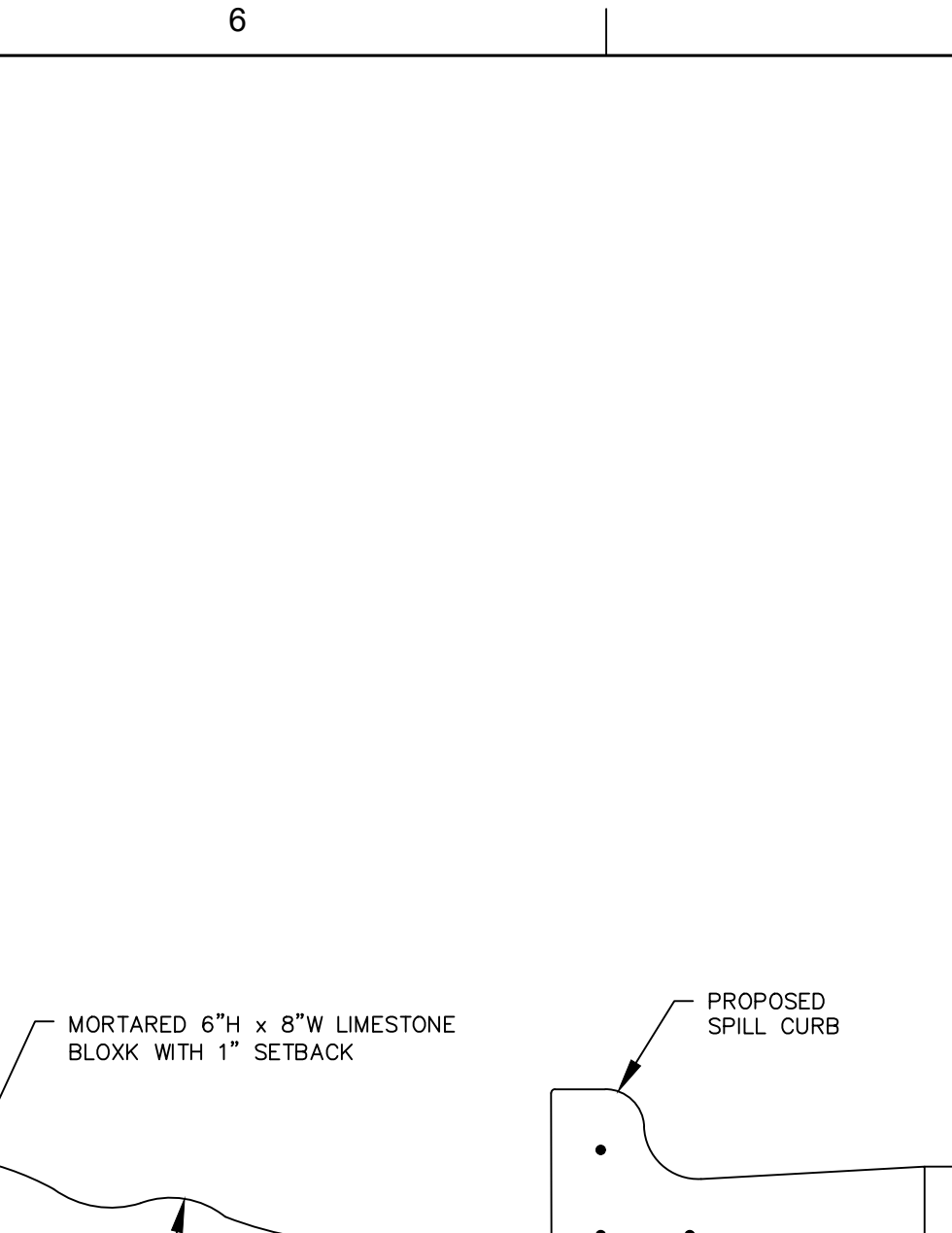
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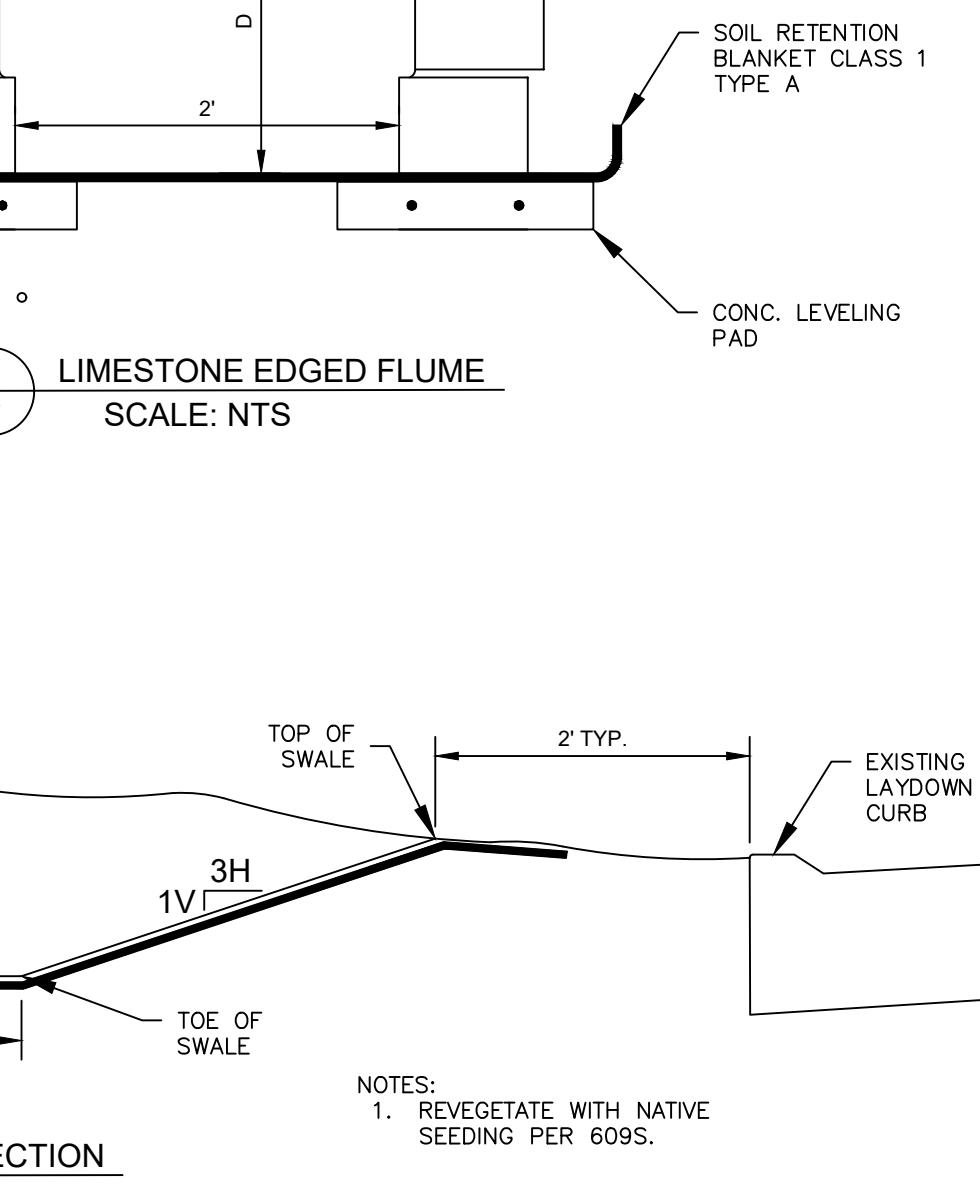
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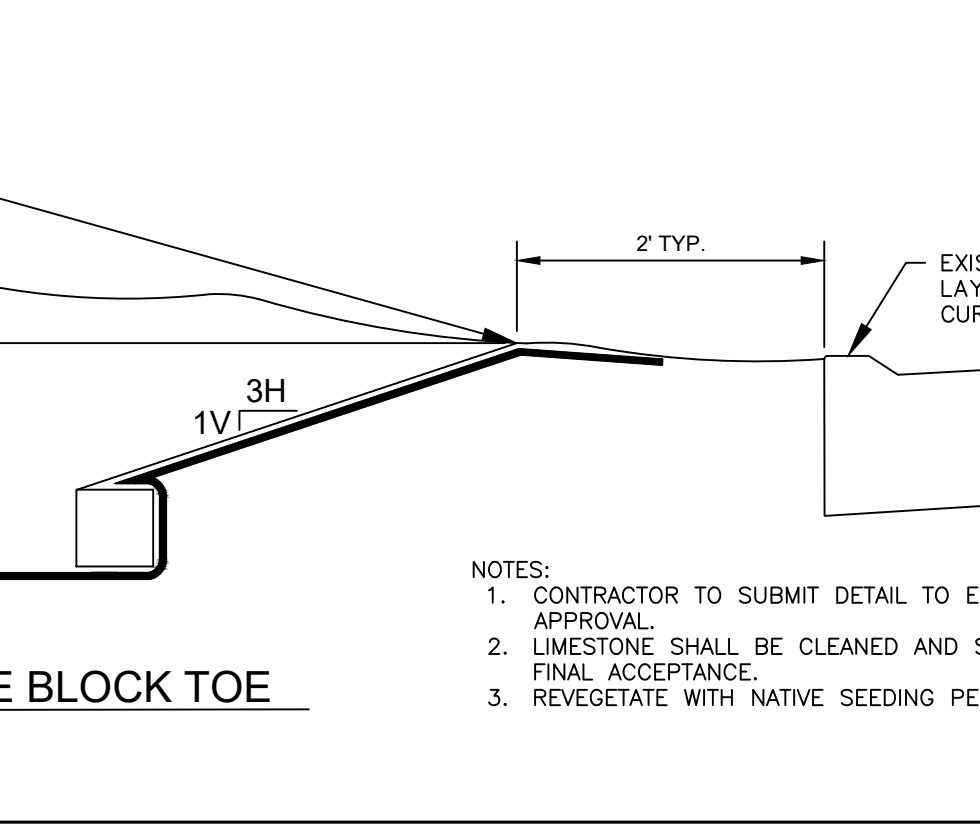
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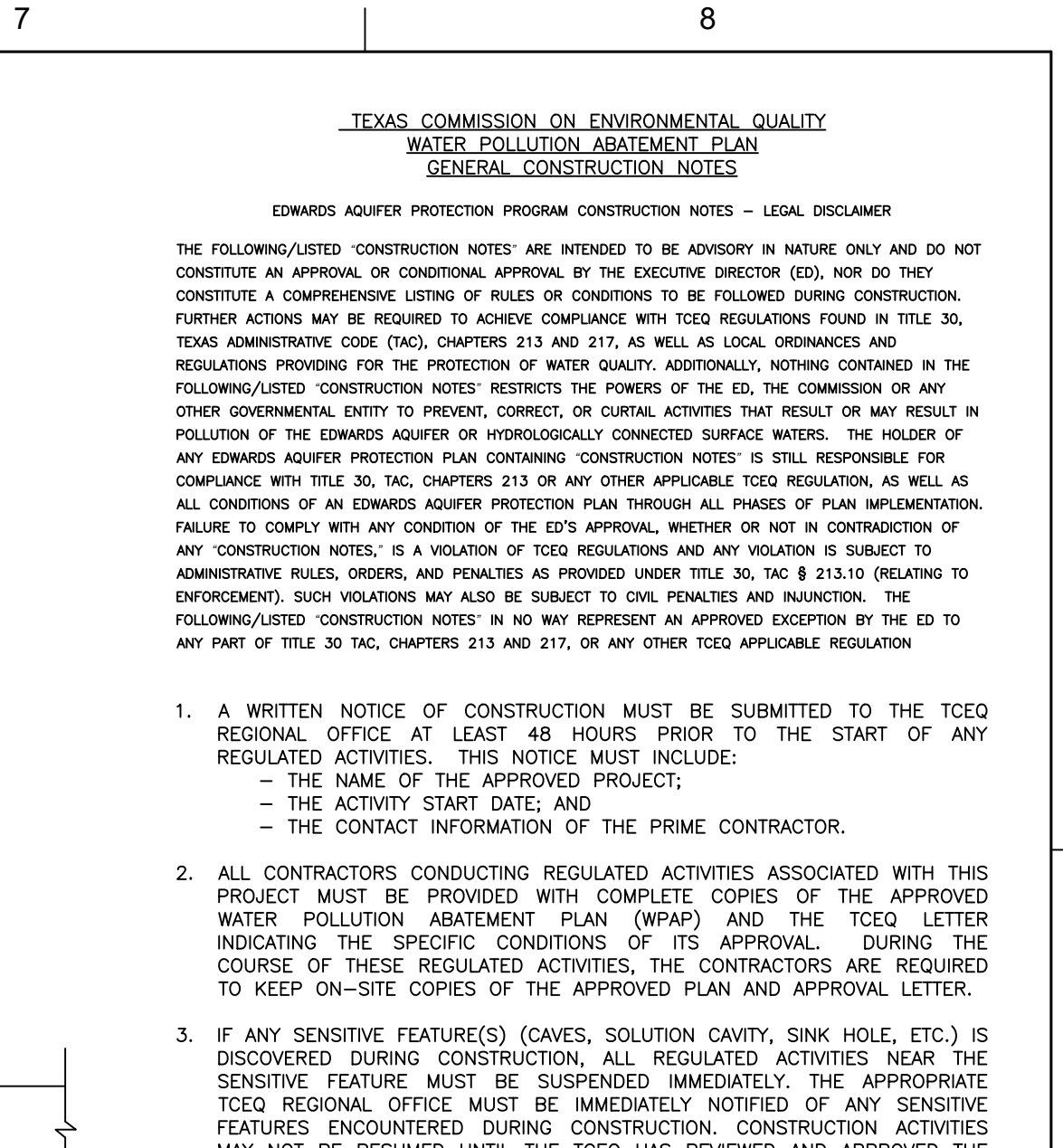
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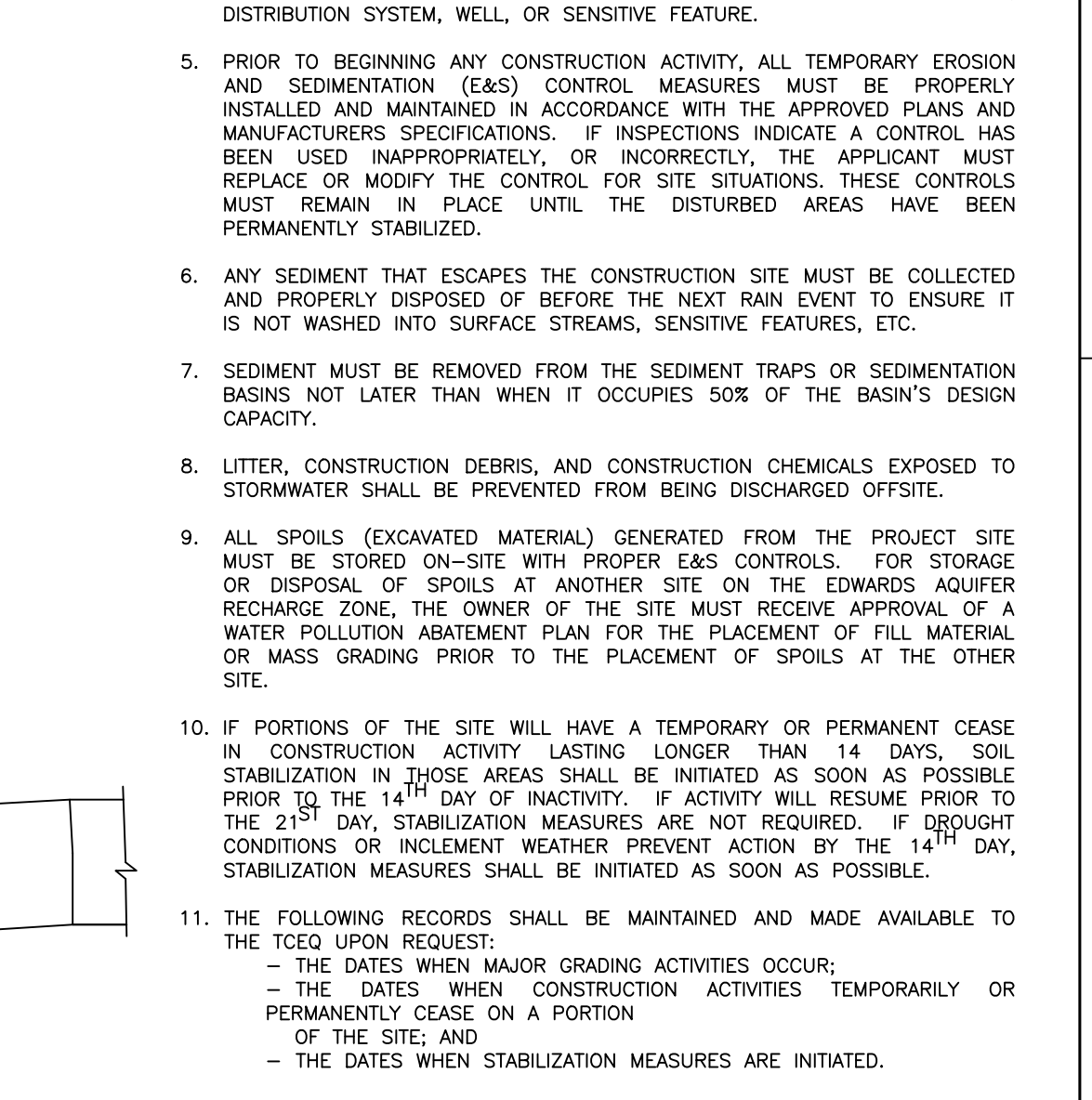
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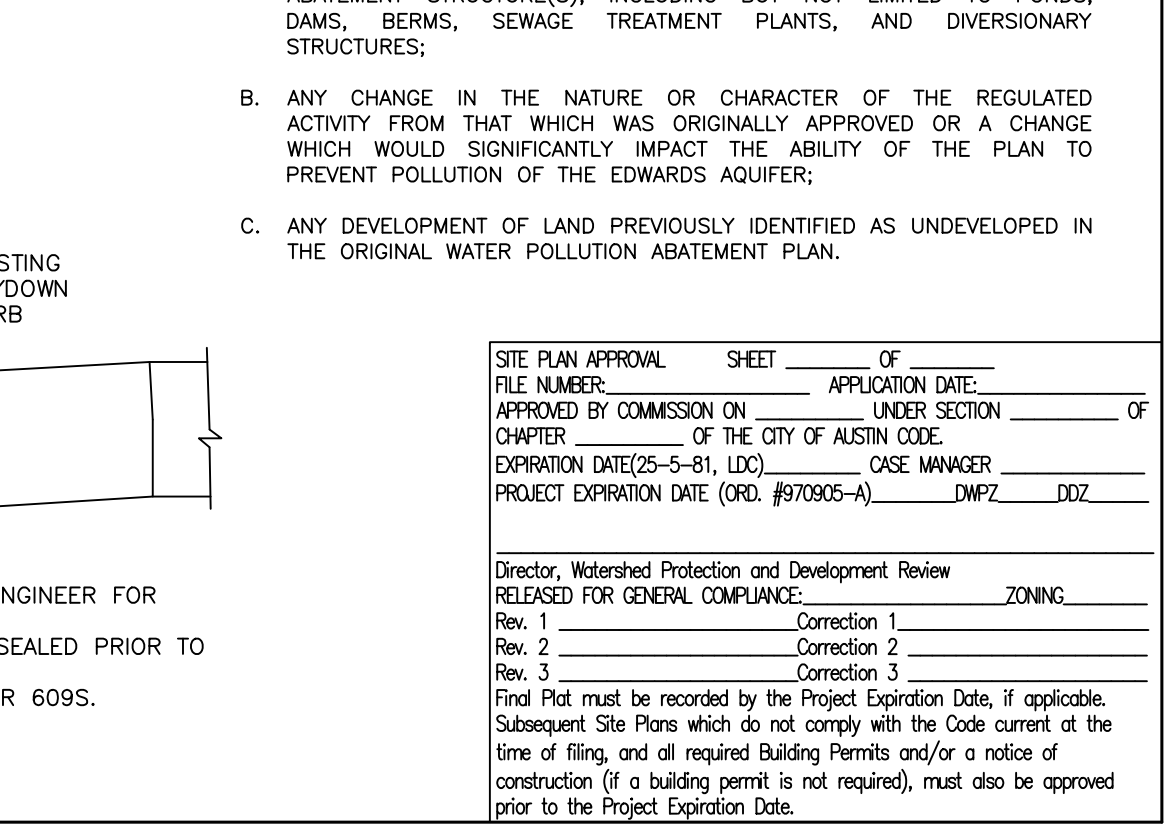
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**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY**  
**WATER POLLUTION ABATEMENT PLAN**  
**GENERAL CONSTRUCTION NOTES**

EDWARDS AQUIFER PROTECTION PROGRAM CONSTRUCTION NOTES - LEGAL DISCLAIMER

THE FOLLOWING/LISTED 'CONSTRUCTION NOTES' ARE INTENDED TO BE ADVISORY IN NATURE ONLY AND DO NOT CONSTITUTE AN APPROVAL OR CONDITIONAL APPROVAL BY THE EXECUTIVE DIRECTOR (ED), NOR DO THEY CONSTITUTE A COMPREHENSIVE LISTING OF RULES OR CONDITIONS TO BE FOLLOWED DURING CONSTRUCTION. FURTHER ACTIONS MAY BE REQUIRED TO ACHIEVE COMPLIANCE WITH TCEQ REGULATIONS FOUND IN TITLE 30, TEXAS ADMINISTRATIVE CODE (TAC), CHAPTERS 213 AND 217, AS WELL AS LOCAL ORDINANCES AND REGULATIONS PROVIDING FOR THE PROTECTION OF WATER QUALITY. ADDITIONALLY, NOTHING CONTAINED IN THE FOLLOWING/LISTED 'CONSTRUCTION NOTES' RESTRICTS THE POWERS OF THE ED, THE COMMISSION OR ANY OTHER GOVERNMENTAL ENTITY TO PREVENT, CORRECT, OR CURTAIL ACTIVITIES THAT RESULT OR MAY RESULT IN POLLUTION OF THE EDWARDS AQUIFER OR HYDROLOGICALLY CONNECTED SURFACE WATERS. THE HOLDER OF ANY EDWARDS AQUIFER PROTECTION PLAN CONTAINING 'CONSTRUCTION NOTES' IS STILL RESPONSIBLE FOR COMPLIANCE WITH TITLE 30, TAC, CHAPTERS 213 OR ANY OTHER APPLICABLE TCEQ REGULATION, AS WELL AS ALL CONDITIONS OF AN EDWARDS AQUIFER PROTECTION PLAN THROUGH ALL PHASES OF PLAN IMPLEMENTATION. FAILURE TO COMPLY WITH ANY CONDITION OF THE ED'S APPROVAL, WHETHER OR NOT IN CONNECTION OF ANY 'CONSTRUCTION NOTES', IS A VIOLATION OF TCEQ REGULATIONS AND ANY VIOLATION IS SUBJECT TO ADMINISTRATIVE RULES, ORDERS, AND PENALTIES AS PROVIDED UNDER TITLE 30, TAC § 213.10 (RELATING TO ENFORCEMENT). SUCH VIOLATIONS MAY ALSO BE SUBJECT TO CIVIL PENALTIES AND INJUNCTION. THE FOLLOWING/LISTED 'CONSTRUCTION NOTES' IN NO WAY REPRESENT AN APPROVED EXCEPTION BY THE ED TO ANY PART OF TITLE 30 TAC, CHAPTERS 213 AND 217, OR ANY OTHER TCEQ APPLICABLE REGULATION.

- A WRITTEN NOTICE OF CONSTRUCTION MUST BE SUBMITTED TO THE TCEQ REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF ANY REGULATED ACTIVITIES. THIS NOTICE MUST INCLUDE:
  - THE NAME OF THE APPROVED PROJECT;
  - THE ACTIVITY START DATE; AND
  - THE CONTACT INFORMATION OF THE PRIME CONTRACTOR.
- ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT MUST PROVIDE COMPLETE COPIES OF THE APPROVED WATER POLLUTION ABATEMENT PLAN (WPAP) AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES, THE CONTRACTORS ARE REQUIRED TO KEEP ON-SITE COPIES OF THE APPROVED PLAN AND APPROVAL LETTER.
- IF ANY SENSITIVE FEATURE(S) (CAVES, SOLUTION CAVITY, SINK HOLE, ETC.) IS DISCOVERED DURING CONSTRUCTION, ALL REGULATED ACTIVITIES NEAR THE SENSITIVE FEATURE MUST BE SUSPENDED IMMEDIATELY. THE APPROPRIATE TCEQ REGIONAL OFFICE MUST BE IMMEDIATELY NOTIFIED OF ANY SENSITIVE FEATURES ENCOUNTERED DURING CONSTRUCTION. CONSTRUCTION ACTIVITIES MAY NOT BE RESUMED UNTIL THE TCEQ HAS REVIEWED AND APPROVED THE APPROPRIATE PROTECTIVE MEASURES IN ORDER TO PROTECT ANY SENSITIVE FEATURE AND THE EDWARDS AQUIFER FROM POTENTIALLY ADVERSE IMPACTS TO WATER QUALITY.
- NO TYPING OR PERMANENT HAZARDOUS SUBSTANCE STORAGE TANK SHALL BE INSTALLED WITHIN 150 FEET OF A WATER SUPPLY SOURCE, DISTRIBUTION SYSTEM, WELL, OR SENSITIVE FEATURE.
- PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE PROPERLY INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE APPROVED PLANS AND MANUFACTURERS SPECIFICATIONS. IF INSPECTIONS INDICATE A CONTROL HAS BEEN USED INAPPROPRIATELY, OR INCORRECTLY, THE APPLICANT MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS. THESE CONTROLS MUST REMAIN IN PLACE UNTIL THE DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
- ANY SEDIMENT THAT ESCAPES THE CONSTRUCTION SITE MUST BE COLLECTED AND PROPERLY DISPOSED OF BEFORE THE NEXT RAIN EVENT TO ENSURE IT IS NOT WASHED INTO SURFACE STREAMS, SENSITIVE FEATURES, ETC.
- SEDIMENT MUST BE REMOVED FROM THE SEDIMENT TRAPS OR SEDIMENTATION BASINS NOT LATER THAN WHEN IT OCCUPIES 50% OF THE BASIN'S DESIGN CAPACITY.
- LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER SHALL BE PREVENTED FROM BEING DISCHARGED OFFSITE.
- ALL SPOILS (EXCAVATED MATERIAL) GENERATED FROM THE PROJECT SITE MUST BE STORED ON-SITE WITH PROPER E&S CONTROLS. FOR STORAGE OR DISPOSAL OF SPOILS AT ANOTHER SITE ON THE EDWARDS AQUIFER RECHARGE ZONE, THE OWNER OF THE SITE MUST RECEIVE APPROVAL OF A WATER POLLUTION ABATEMENT PLAN FOR THE PLACEMENT OF FILL MATERIAL OR MASS GRADING PRIOR TO THE PLACEMENT OF SPOILS AT THE OTHER SITE.
- IF PORTIONS OF THE SITE WILL HAVE A TEMPORARY OR PERMANENT CHANGE IN CONSTRUCTION ACTIVITY LASTING LONGER THAN 14 DAYS, SOIL STABILIZATION IN THOSE AREAS SHALL BE INITIATED AS SOON AS POSSIBLE PRIOR TO THE 14th DAY OF INACTIVITY. IF ACTIVITY WILL RESUME PRIOR TO THE 21st DAY, STABILIZATION MEASURES ARE NOT REQUIRED. IF DROUGHT CONDITIONS OR INCLEMENT WEATHER PREVENT ACTION BY THE 14th DAY, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE.
- THE FOLLOWING RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO THE TCEQ UPON REQUEST:
  - THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
  - THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; AND
  - THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.
- THE HOLDER OF ANY APPROVED EDWARDS AQUIFER PROTECTION PLAN MUST NOTIFY THE APPROPRIATE REGIONAL OFFICE IN WRITING AND OBTAIN APPROVAL FROM THE EXECUTIVE DIRECTOR PRIOR TO INITIATING ANY OF THE FOLLOWING:
  - A. ANY PHYSICAL OR OPERATIONAL MODIFICATION OF ANY WATER POLLUTION ABATEMENT STRUCTURE(S), INCLUDING BUT NOT LIMITED TO PONDS, DAMS, BERMS, SEWAGE TREATMENT PLANTS, AND DIVERSIONARY STRUCTURES;
  - B. ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED OR A CHANGE WHICH WOULD SIGNIFICANTLY IMPACT THE ABILITY OF THE PLAN TO PREVENT POLLUTION OF THE EDWARDS AQUIFER;
  - C. ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE ORIGINAL WATER POLLUTION ABATEMENT PLAN.

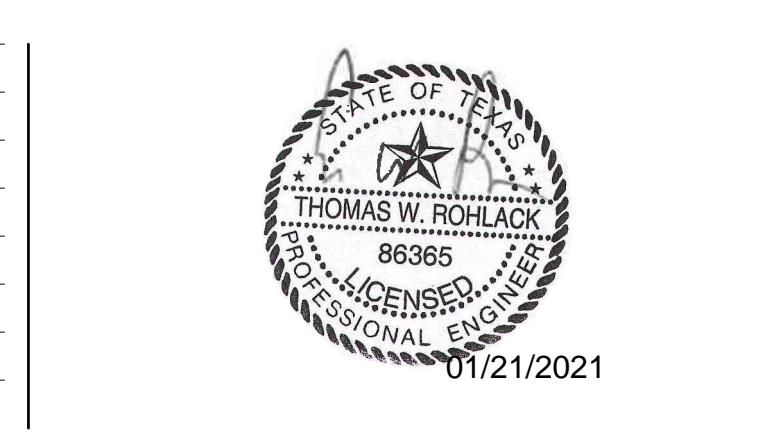
SITE PLAN APPROVAL SHEET	OF	FILE NUMBER	APPLICATION DATE
APPROVED BY COMMISSION ON	LINEAR SECTION	OF	CHAPTER
EXPIRATION DATE(25-5-81, LDC)	CASE MANAGER	PROJECT EXPIRATION DATE (ORD. #970905-A)	DMPZ DOZ
Director, Watershed Protection and Development Review	RELEASED FOR GENERAL COMPLIANCE	ZONING	
Rev. 1	Correction 1		
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ISSUE	DATE	DESCRIPTION
0	01/21/2021	CONFORMED CONTRACT DRAWINGS

PROJECT MANAGER	DESIGNED BY	DRAWN BY
CHECKED BY	DATE	PROJECT NUMBER
		1126



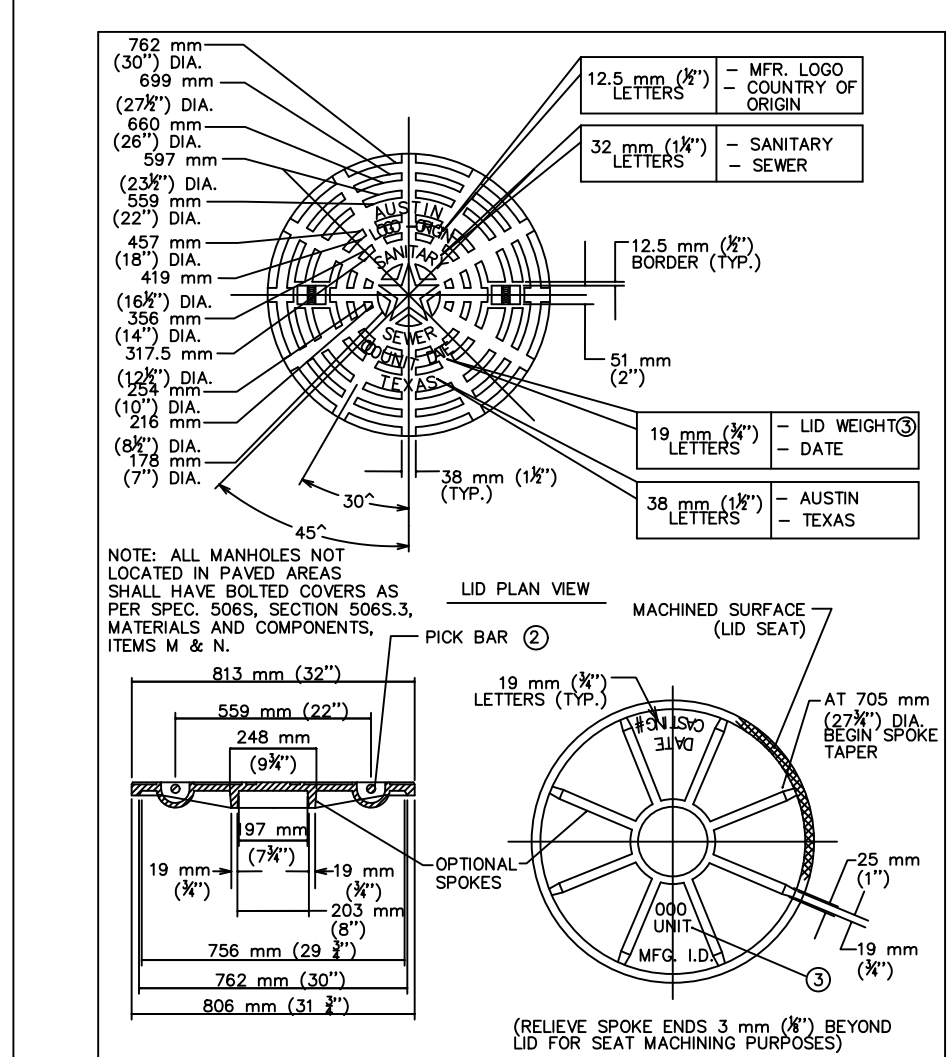
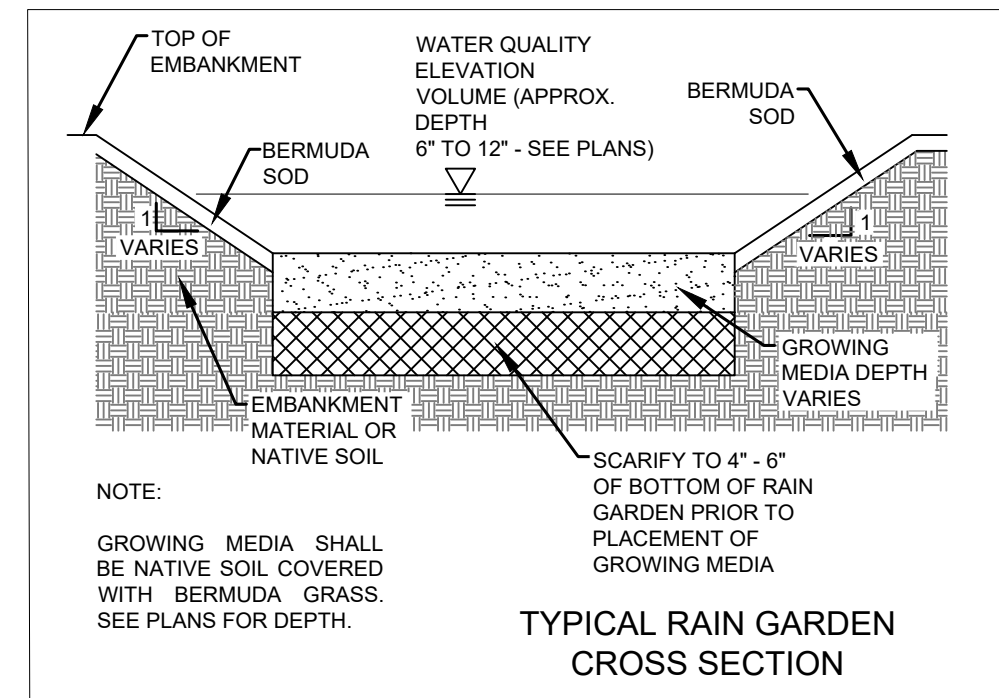
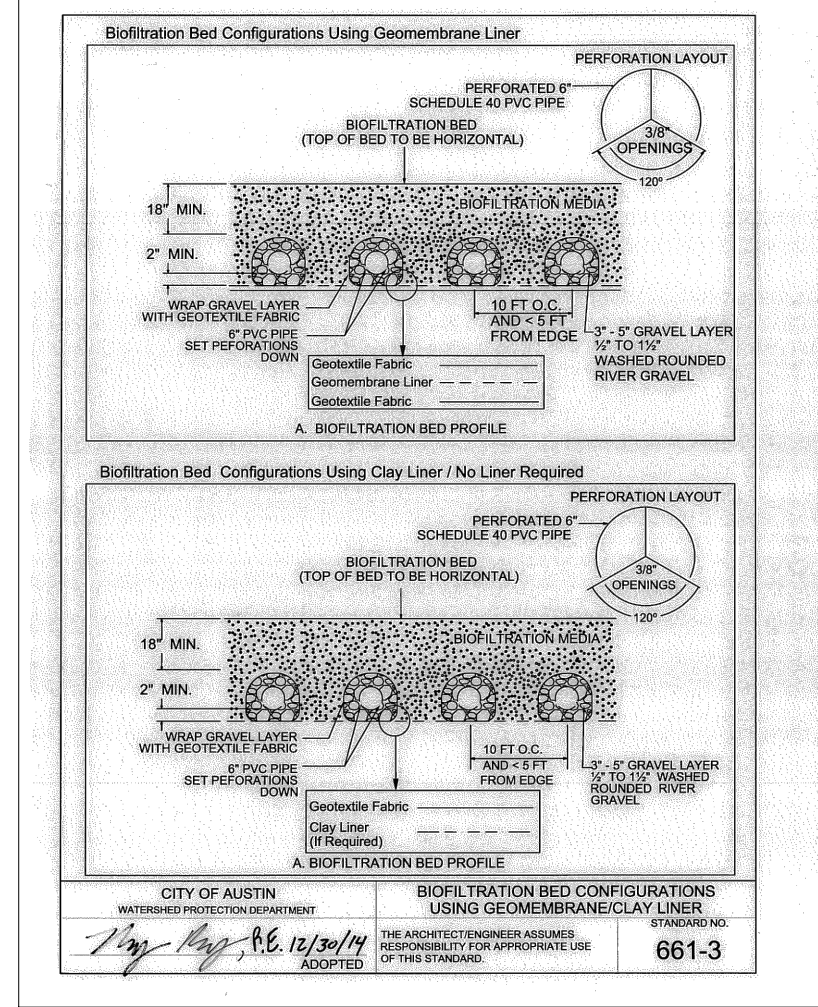
**STORM DETAILS (2 OF 3)**

0 1" 2" SCALE: N.T.S.

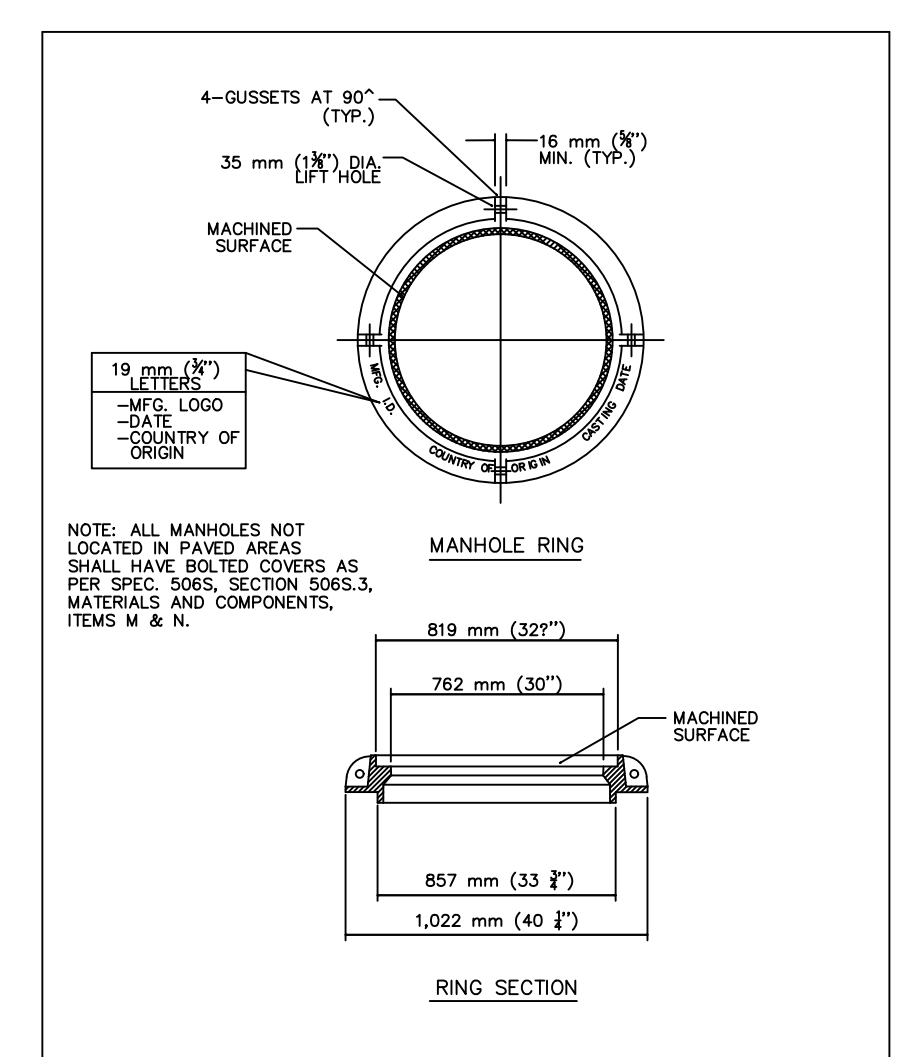
FILENAME: SHEET 18 of 350  
**C10-109**

SPC-03-005C (R2)

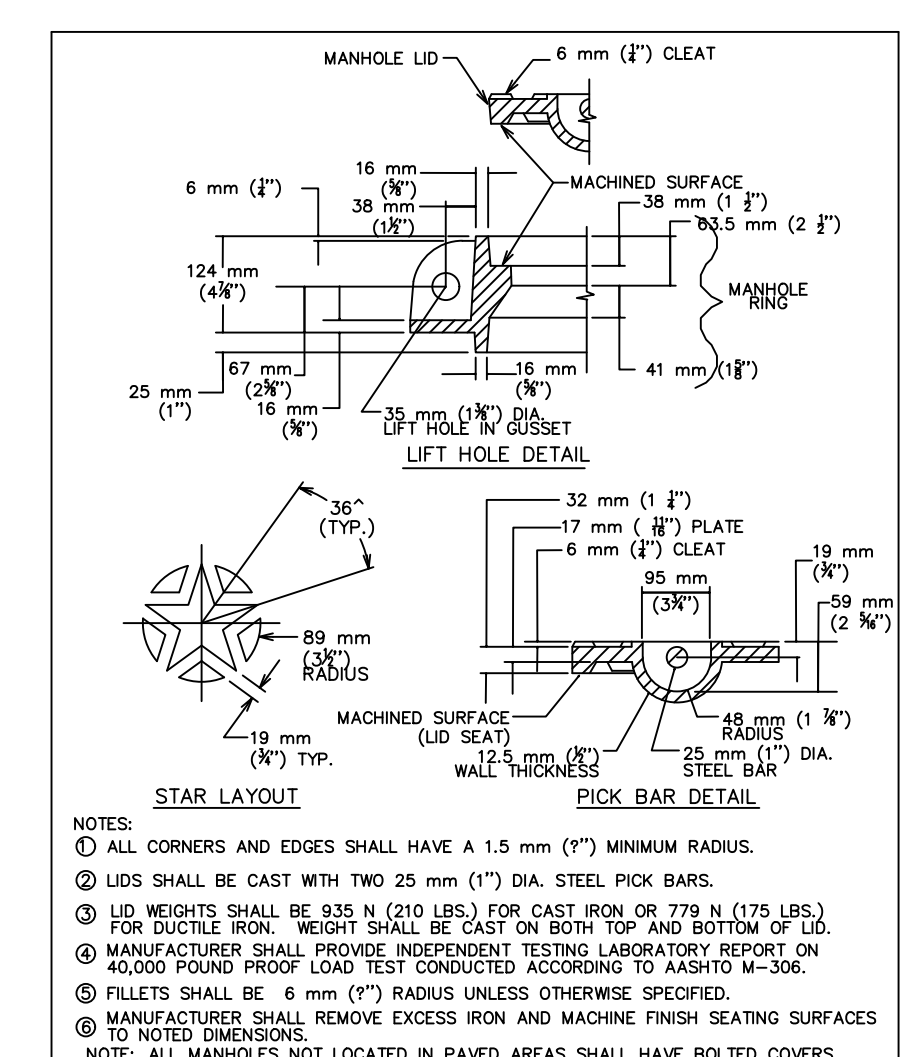
CADD FILE: \\CAS-DATASEVER\WATER\ACTIVE\_PROJECTS\COA W & WW LARGE & SMALL SCALE FACILITIES\HULLRICH\_LSPS\_SWITCHGEAR\_PROJECT\3.0\_WORK\_PRODUCTS\3.6\_CAD\1126STRM03\_PLOTTED\_1/15/2021 1:00:32 PM BY: JANE\_FU\_CTB\_FILE: CAS.CTB



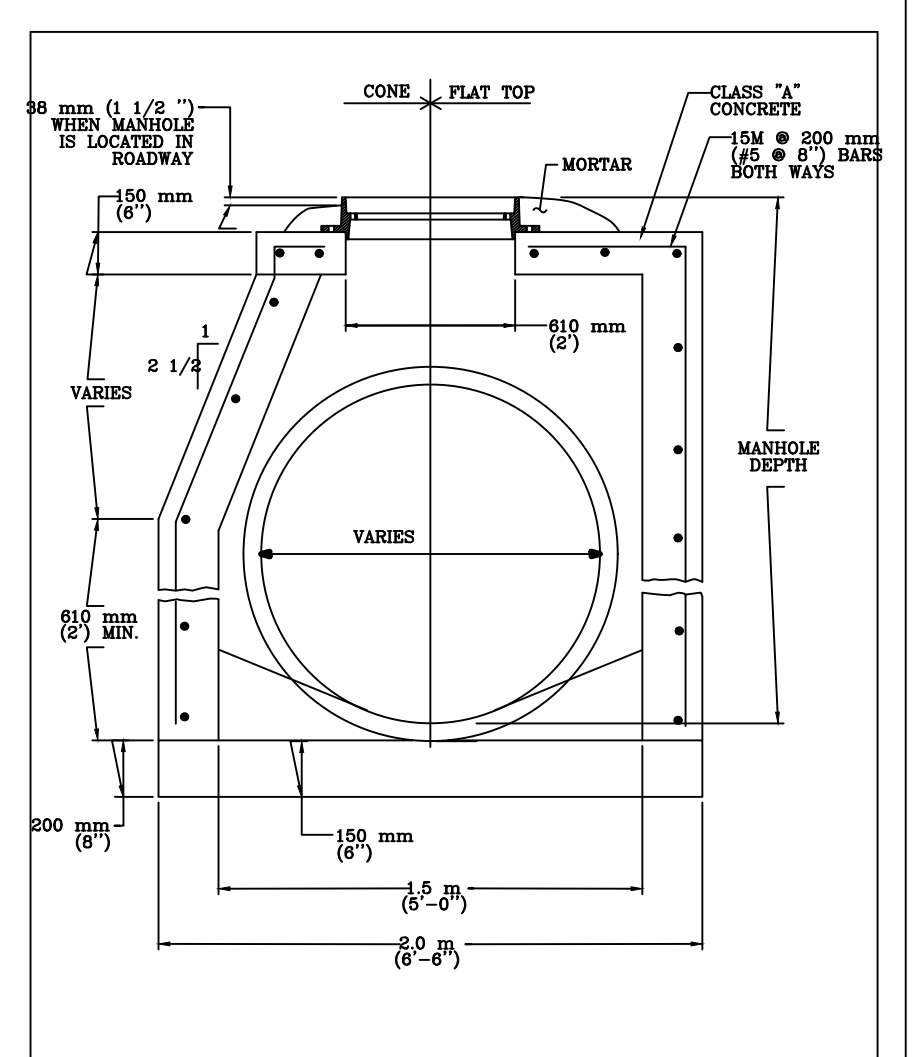
CITY OF AUSTIN AUSTIN WATER UTILITY	SANITARY SEWER MANHOLE RING AND 813 mm (32") COVER	STANDARD NO. 503CS-4W
RECORD COPY SIGNED BY KATHI L. FLOWERS	3/9/04 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.



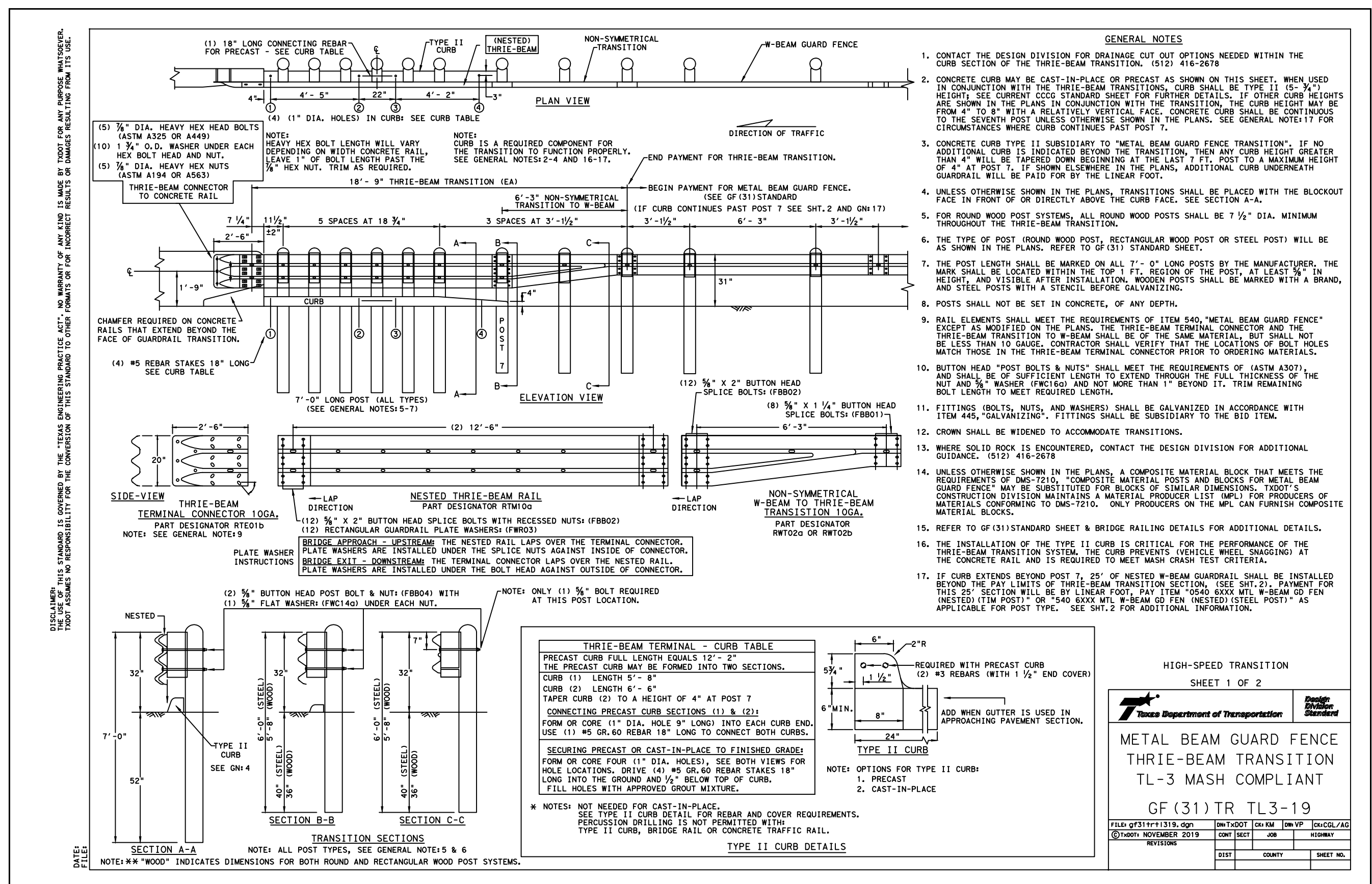
CITY OF AUSTIN AUSTIN WATER UTILITY	SANITARY SEWER MANHOLE RING AND 813 mm (32") COVER	STANDARD NO. 503CS-4W
RECORD COPY SIGNED BY KATHI L. FLOWERS	3/9/04 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.



CITY OF AUSTIN AUSTIN WATER UTILITY	SANITARY SEWER MANHOLE RING AND 813 mm (32") COVER	STANDARD NO. 503CS-4W
RECORD COPY SIGNED BY KATHI L. FLOWERS	3/9/04 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.



CITY OF AUSTIN DEPARTMENT OF WATER RESOURCES AND DEVELOPMENT SERVICES	STORM DRAIN MANHOLE DETAIL	STANDARD NO. 506S-11
RECORD COPY SIGNED BY KATHI L. FLOWERS	2/14/02 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.



THREE-BEAM TERMINAL - CURB TABLE	
PRECAST CURB FULL LENGTH EQUALS 12'-2"	
PRECAST CURB MAY BE FORMED INTO TWO SECTIONS.	
CURB (1) LENGTH 5'-8"	
CURB (2) LENGTH 6'-6"	
TAPER CURB (2) TO A HEIGHT OF 4" AT POST 7	
CONNECTING PRECAST CURB SECTIONS (1) & (2)	
FORM OR CORE (1" DIA. HOLE 9" LONG) INTO EACH CURB END.	
USE (1) #5 GR. 60 REBAR 18" LONG TO CONNECT BOTH CURBS.	
SECURING PRECAST OR CAST-IN-PLACE TO FINISHED GRADE	
FORM OR CORE FOUR (1" DIA. HOLES). SEE BOTH VIEWS FOR	
HOLE LOCATIONS. DRIVE (4) #6 GR. 60 REBAR STAKES 18"	
LONG INTO THE GROUND AND 2" BELOW TOP OF CURB.	
FILL HOLES WITH APPROVED GROUT MIXTURE.	
NOTES: NOT NEEDED FOR CAST-IN-PLACE.	
SEE TYPE II CURB DETAIL FOR REBAR AND COVER REQUIREMENTS.	
PERCUSSION DRILLING IS NOT PERMITTED WITH TYPE II CURB, BRIDGE RAIL, OR CONCRETE TRAFFIC RAIL.	
TYPE II CURB DETAILS	

Label	Inlets						
	Elevation (Ground) (ft)	Elevation (Invert) (ft)	Flow (Local Surface) (cfs)	Flow (Captured) (cfs)	Flow (Total Out) (cfs)	Hydraulic Grade Line (In) (ft)	Hydraulic Grade Line (Out) (ft)
CUL-1 INLET	619.18	614.6	10.13	10.13	10.13	616.39	616.04
CUL-2B INLET	501.63	497.63	6.18	6.18	6.18	498.95	498.73
CUL-3 INLET	585.65	582.34	21.47	21.47	21.47	585	585
RG-3 INLET	560.42	556.92	6.72	6.72	6.72	558.76	558.72

Label	Slope (Calculated) (ft/ft)	Manning's n	Size	Flow (cfs)	Velocity (ft/s)	Elevation Ground		Invert	Invert	Hydraulic Grade Line (In) (ft)	Hydraulic Grade Line (Out) (ft)
						(Start) (ft)	(Stop) (ft)				
CO-1	0.005	0.012	24 inch	21.47	6.83	585.65	584.73	582.34	582.32	584.85	584.82
CO-2	0.005	0.012	24 inch	21.47	6.83	584.73	585	582.32	582.24	584.65	584.52
CO-3	0.005	0.012	24 inch	21.47	6.83	585	584.2	582.24	581.96	584.35	583.92
CO-4	0.005	0.012	24 inch	21.47	6.83	584.2	581.96	581.96	581.95	583.68	583.61
CO-5	0.005	0.012	18 inch	6.72	3.8	560.42	560.7	556.92	556.58	558.49	558.49
CO-6	0.005	0.012	18 inch	6.72	5.07	560.7	557.96	556.55	556.34	557.6	557.34
CO-7	0.02	0.012	18 inch	10.13	9.63	619.18	615.36	614.6	613.65	615.83	614.56
CO-8	0.073	0.012	18 inch	6.18	13.59	501.63	501	497.63	493.7	498.59	494.17

Swale Name	Q <sub>100</sub> (cfs)	Shape	Bottom Width (ft)	Limestone Block Toe?	Side Slopes (H:V)	Design Depth (ft)	Manning's n	Longitudinal Slope (ft/ft)	Velocity (ft/s)	Normal Depth (ft)
ERG1	1.83	Trapezoid	2	No	3H:1V	1	0.06	0.005	0.90	0.55
ERG1	1.83	Trapezoid	2	Yes	3H:1V	1.33	0.047	0.005	1.15	0.64
W CUL1	10.13	Trapezoid	3	No	3H:1V	1	0.06	0.005	1.40	1.13
W CUL1	10.13	Rectangle	2	N/A	N/A	1	0.017	0.005	4.15	1.22
W CUL3	10.74	Trapezoid	3	No	3H:1V	1	0.06	0.0084	1.48	0.88
W CUL3	10.74	Trapezoid	3	No	3H:1V	1	0.06	0.0508	4.00	0.93
W CUL3	21.47	Trapezoid	3	Yes	3H:1V	1.33	0.049	0.0752	2.32	1.58

SITE PLAN APPROVAL SHEET OF APPLICATION DATE: \_\_\_\_\_  
 FILE NUMBER: \_\_\_\_\_ UNDER SECTION \_\_\_\_\_ OF  
 CHARTER \_\_\_\_\_ OF THE CITY OF AUSTIN CODE.  
 EXPIRATION DATE (25-5-81, LDC) \_\_\_\_\_ CASE MANAGER \_\_\_\_\_  
 PROJECT EXPIRATION DATE (ORD. #970905-A) \_\_\_\_\_ DMPZ DOZ \_\_\_\_\_

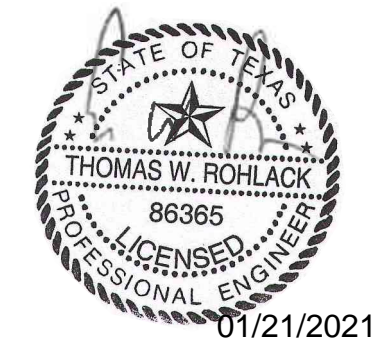
Director, Watershed Protection and Development Review  
 RELEASED FOR GENERAL COMPLIANCE ZONING \_\_\_\_\_  
 Rev. 1 \_\_\_\_\_ Correction 1 \_\_\_\_\_  
 Rev. 2 \_\_\_\_\_ Correction 2 \_\_\_\_\_  
 Rev. 3 \_\_\_\_\_ Correction 3 \_\_\_\_\_

Find Plot must be recorded by the Project Expiration Date, if applicable.  
 Subsequent Site Plans which do not comply with the Code current at the  
 time of filing, and all required Building Permits and/or a notice of  
 construction (if a building permit is not required), must also be approved  
 prior to the Project Expiration Date.



ISSUE	DATE	DESCRIPTION
0	01/21/2021	CONFORMED CONTRACT DRAWINGS

PROJECT MANAGER	DESIGNED BY	DRAWN BY
CHECKED BY	DATE	PROJECT NUMBER
0	01/21/2021	1126



ULLRICH WTP  
 LOW SERVICE PUMP STATION  
 ELECTRICAL FEED RENEWAL



STORM DETAILS (3 OF 3)

FILENAME 1126STRM03  
 SCALE N.T.S.

SHEET 19 of 350  
**C10-110**

1. THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTIVE FENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING, OR EXCAVATION).

2. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE ENVIRONMENTAL CRITERIA MANUAL AND THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN.

3. THE PLACEMENT OF TREE/NATURAL AREA PROTECTIVE FENCING SHALL BE IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION AND THE APPROVED GRADING/TREE AND NATURAL AREA PLAN.

4. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD ON-SITE WITH THE CONTRACTOR, DESIGN ENGINEER, PERMIT APPLICANT, AND ENVIRONMENTAL INSPECTOR AFTER INSTALLATION OF THE EROSION/SEDIMENTATION CONTROLS AND THE TREE/NATURAL AREA PROTECTION MEASURES AND PRIOR TO BEGINNING ANY SITE PREPARATION WORK. THE CONTRACTOR SHALL NOTIFY THE DEVELOPMENT SERVICES DEPARTMENT AT 512/974-2278, AT LEAST 3 DAYS PRIOR TO THE MEETING DATE.

5. ANY SIGNIFICANT VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS MUST BE APPROVED BY THE REVIEWING ENGINEER AND THE GENERAL PERMIT PROGRAM REPRESENTATIVE.

6. THE CONTRACTOR IS REQUIRED TO INSPECT THE CONTROLS AND FENCES AT DAILY INTERVALS AND AFTER SIGNIFICANT RAINFALL EVENTS TO INSURE THAT THEY ARE FUNCTIONING PROPERLY. THE PERSON(S) RESPONSIBLE FOR MAINTENANCE OF CONTROLS AND FENCES SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHES SIX (6) INCHES. SILT ACCUMULATION AT INLET DEVICES SHOULD BE REMOVED WHEN THE DEPTH REACHES TWO (2) INCHES.

7. PRIOR TO FINAL ACCEPTANCE BY THE CITY, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDIMENT REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING DEBRIS SHALL BE DISPOSED OF IN APPROVED SPOIL DISPOSAL SITES.

8. ALL WORK MUST STOP IF A VOID IN THE ROCK SUBSTRATE IS DISCOVERED WHICH IS ONE SQUARE FOOT OR LARGER IN TOTAL AREA, BLOWS AIR FROM WITHIN THE SUBSTRATE, AND/OR CONSISTENTLY RECEIVES WATER DURING ANY RAIN EVENT. AT THIS TIME, IT IS THE RESPONSIBILITY OF THE PROJECT MANAGER TO IMMEDIATELY CONTACT THE GENERAL PERMIT PROGRAM REPRESENTATIVE FOR FURTHER INVESTIGATION.

9. FIELD REVISIONS TO THE EROSION/SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE GENERAL PERMIT PROGRAM REPRESENTATIVE DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES. ANY REVISIONS TO THE PERMITTED PLAN MUST BE APPROVED BY THE DEVELOPMENT SERVICES DEPARTMENT OFFICE OF THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT.

PERMANENT EROSION/SEDIMENTATION CONTROL: ALL DISTURBED AREAS SHALL BE RESTORED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. WHERE THE CRITERIA MANUAL AND CONTRACT DOCUMENTS DIFFER THE MOST ENVIRONMENTALLY BENEFICIAL MATERIALS/METHOD SHALL BE REQUIRED UNLESS OTHERWISE APPROVED BY THE ENVIRONMENTAL INSPECTOR.

10. DEVELOPER INFORMATION:

OWNER:

COMPANY: CITY OF AUSTIN - AUSTIN WATER

CONTACT: ROBYN HAASCH

ADDRESS: 6800 BURLESON ROAD BUILDING 312, SUITE 200

AUSTIN, TEXAS 78744

PHONE: 512-974-2624

FAX:

OWNER'S REPRESENTATIVE RESPONSIBLE FOR PLAN ALTERATIONS:

COMPANY: CAS CONSULTING & SERVICES, INC.

CONTACT: THOMAS W. ROHLACK

ADDRESS: 7908 CAMERON ROAD

AUSTIN, TEXAS 78754

PHONE: (512) 836-2388

FAX: (512) 836-4515

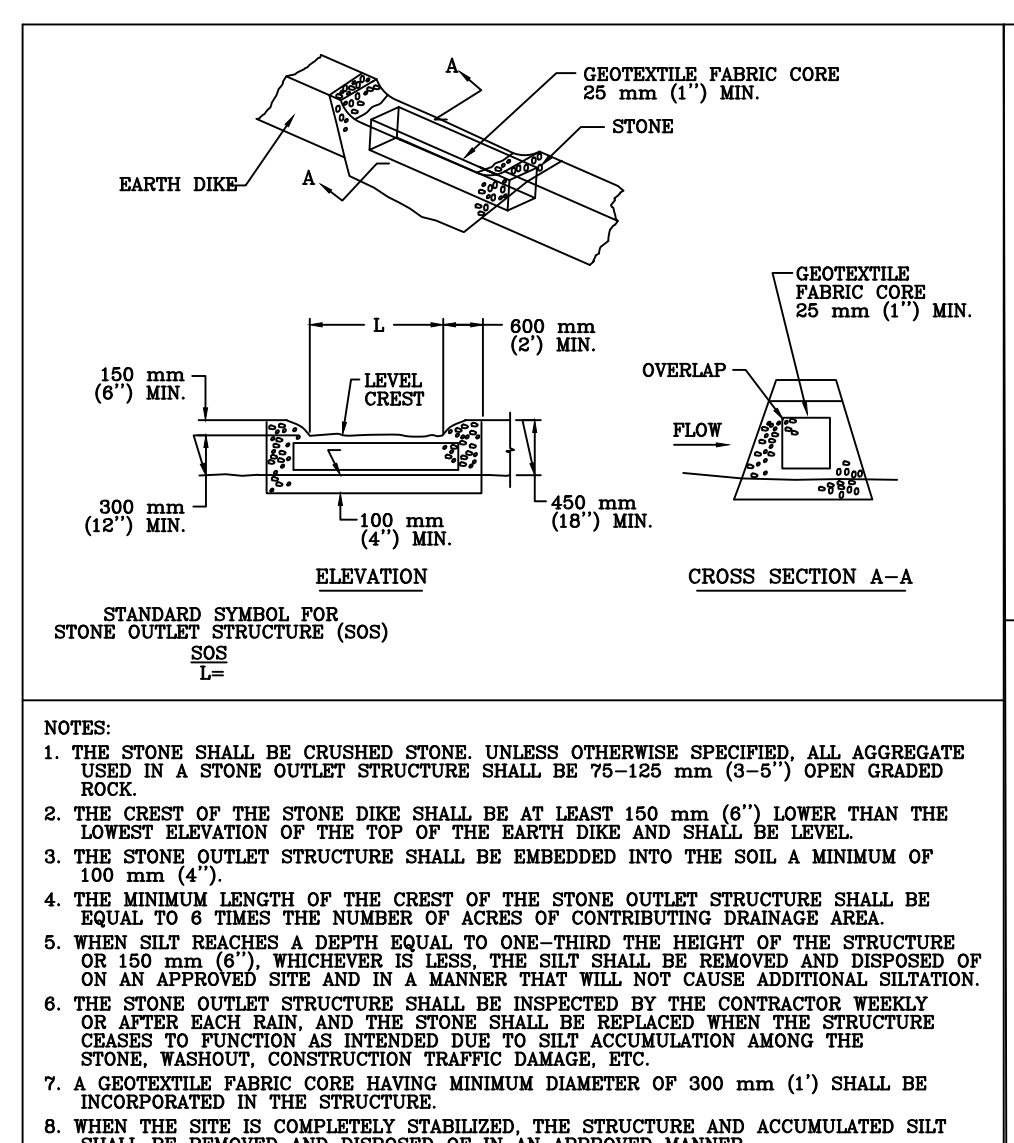
PARTY RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL MAINTENANCE:

COMPANY: CONTRACTOR

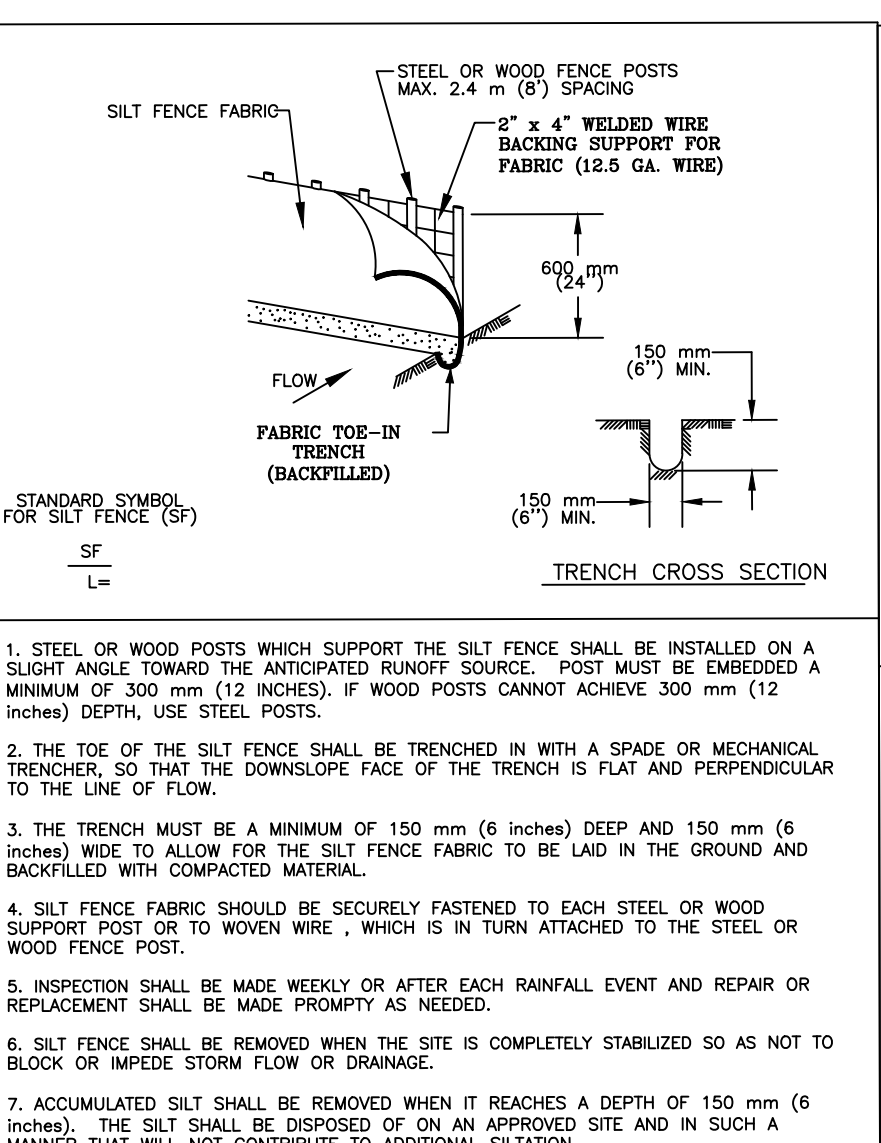
PARTY RESPONSIBLE FOR TREE/NATURAL AREA PROTECTION MAINTENANCE:

COMPANY: CONTRACTOR

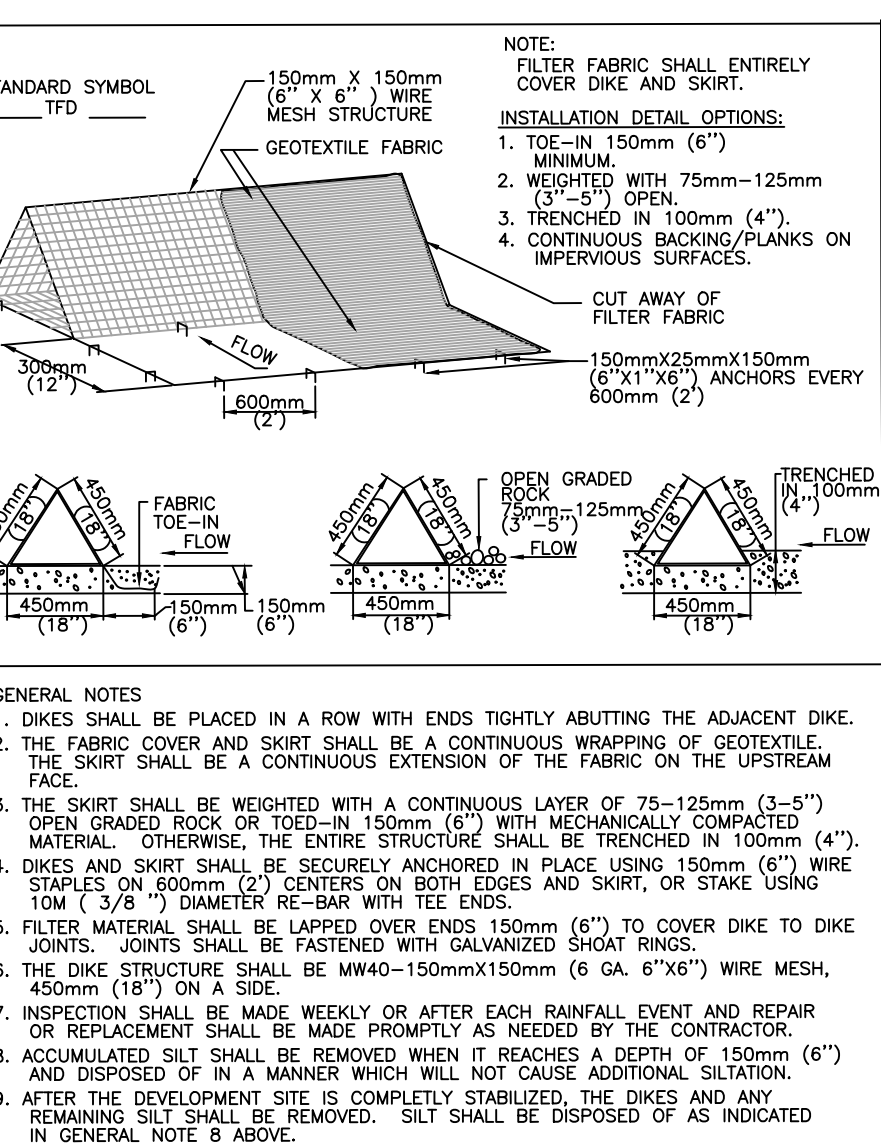
11. THE CONTRACTOR SHALL NOT DISPOSE OF SURPLUS EXCAVATED MATERIAL FROM THE SITE WITHOUT NOTIFYING THE ENVIRONMENTAL INSPECTOR, AT 974-2278, AT LEAST 48 HOURS PRIOR TO THE SPOILS REMOVAL. THIS NOTIFICATION SHALL INCLUDE THE DISPOSAL LOCATION AND A COPY OF THE PERMIT ISSUED TO RECEIVE THE MATERIAL.



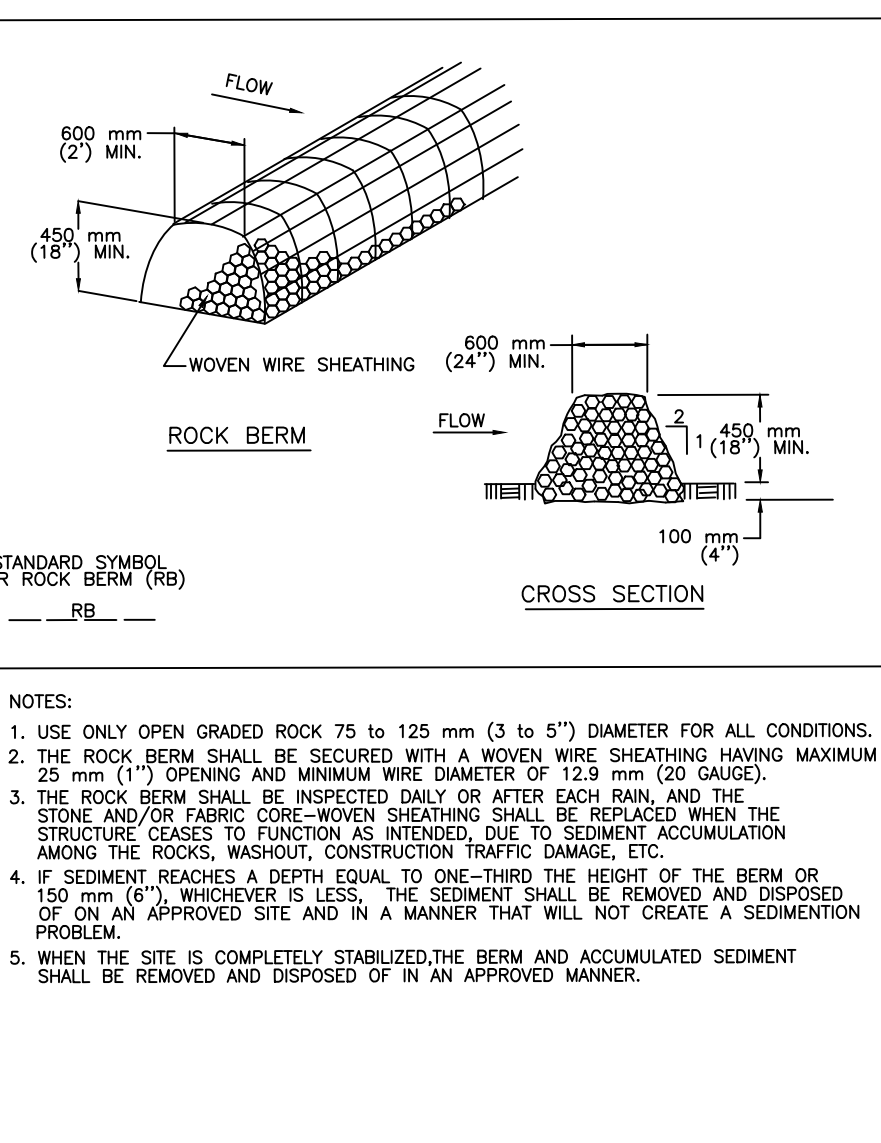
CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	STONE OUTLET STRUCTURE	STANDARD NO. 643S-1
RECORD COPY SIGNED BY J. PATRICK MURPHY	5/23/00	ADDED
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.		



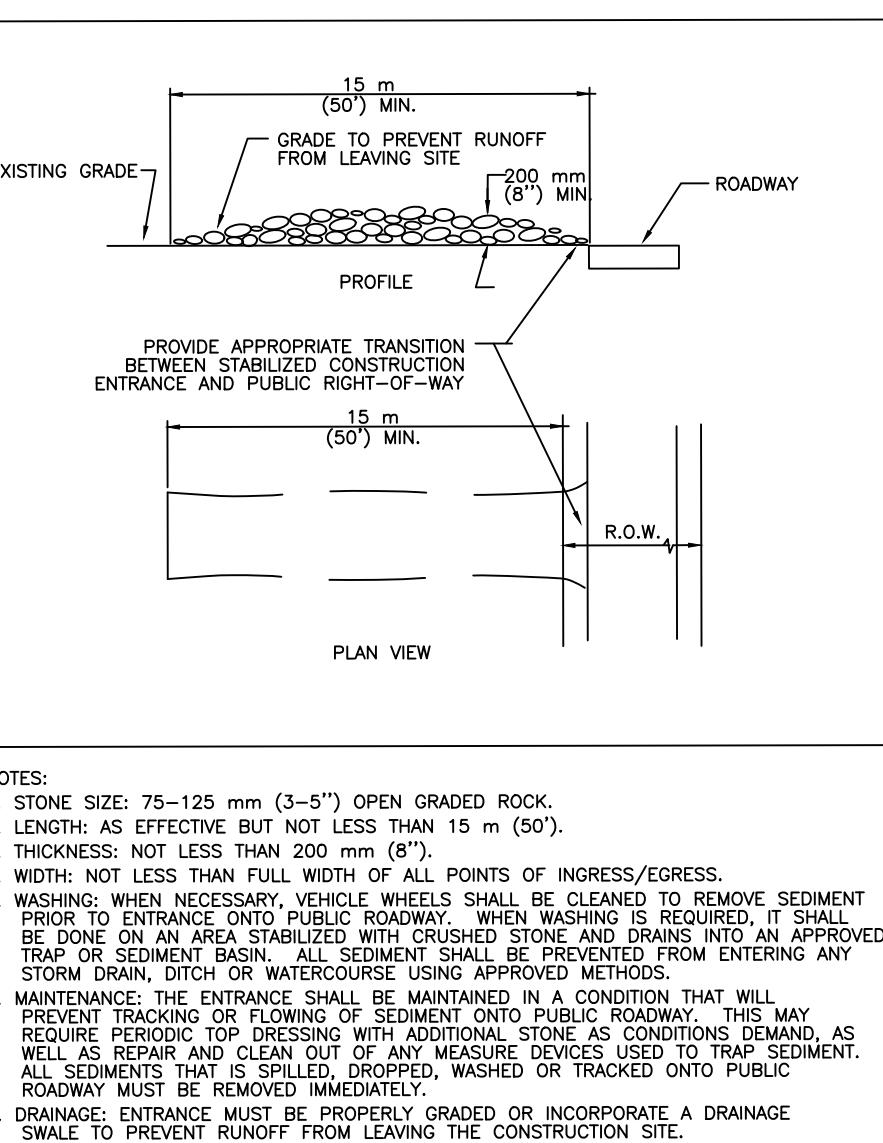
CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	SILT FENCE	STANDARD NO. 642S-1
RECORD COPY SIGNED BY MORGAN BYARS	09/01/2011	ADOPTED
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.		



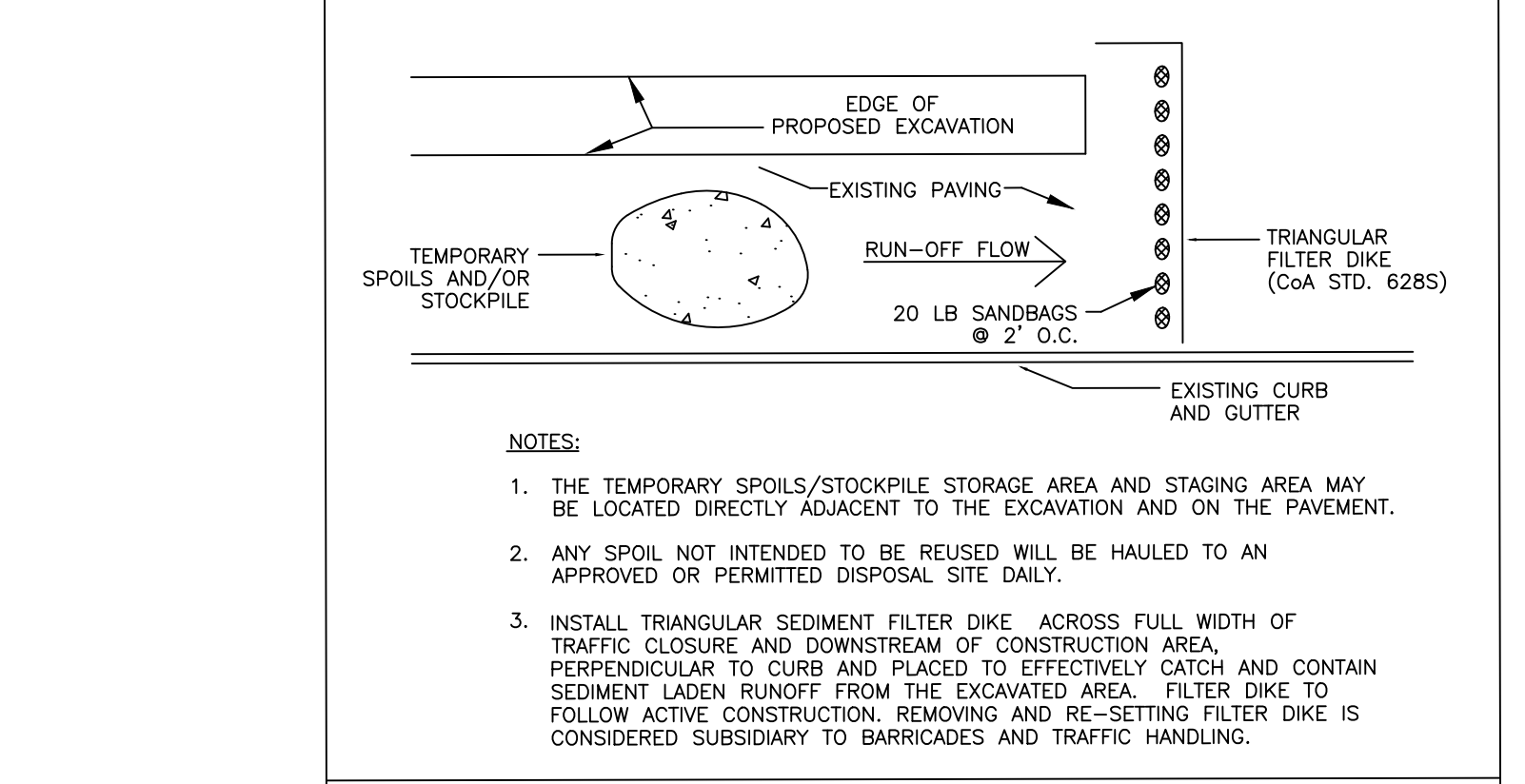
CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	TRIANGULAR SEDIMENT FILTER DIKE	STANDARD NO. 628S
RECORD COPY SIGNED BY J. PATRICK MURPHY	3/27/00	ADOPTED
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.		



CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	ROCK BERM	STANDARD NO. 639S-1
RECORD COPY SIGNED BY MORGAN BYARS	8/24/2010	ADOPTED
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.		

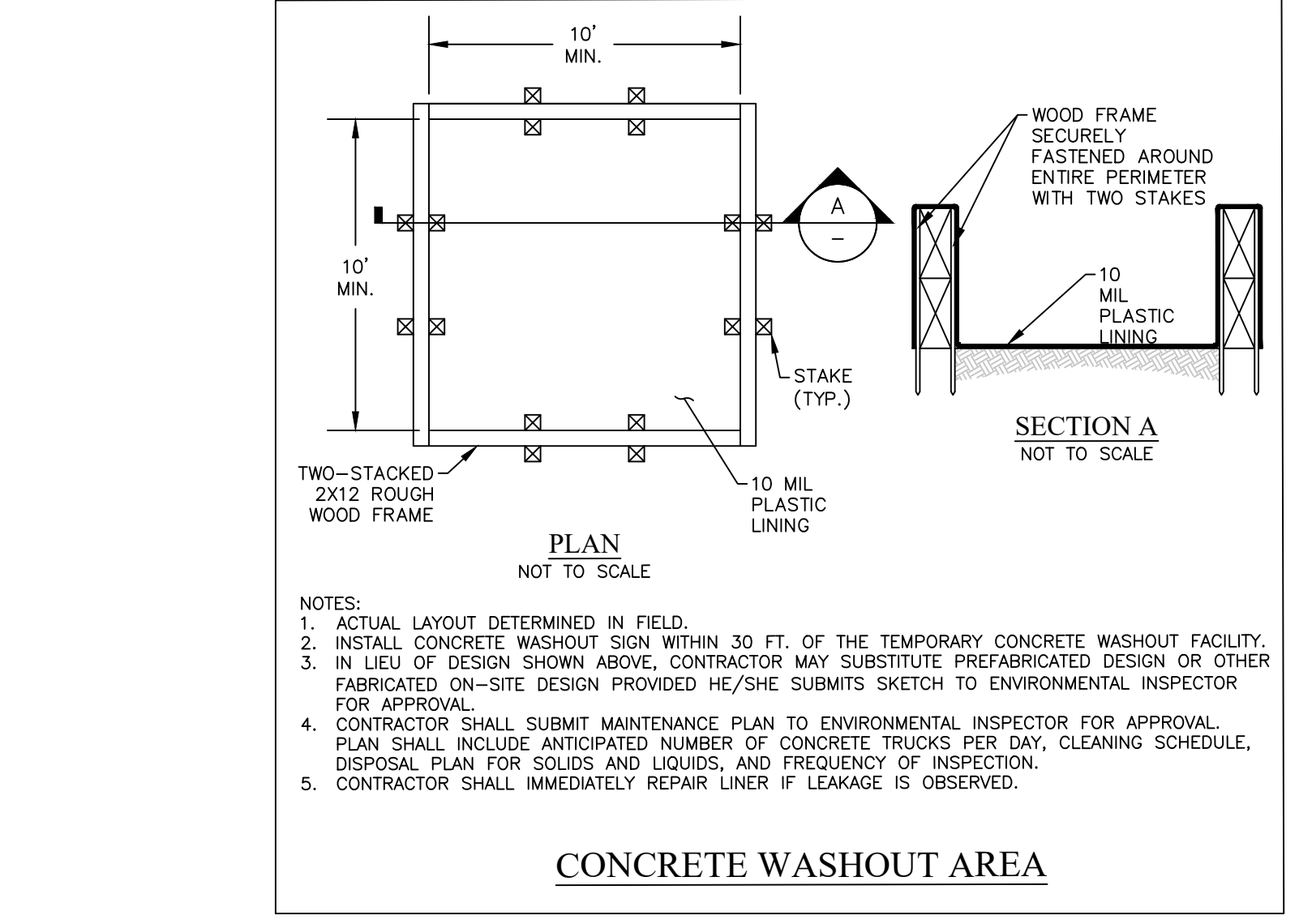


CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	STABILIZED CONSTRUCTION ENTRANCE	STANDARD NO. 641S-1
RECORD COPY SIGNED BY J. PATRICK MURPHY	5/23/00	ADOPTED
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.		



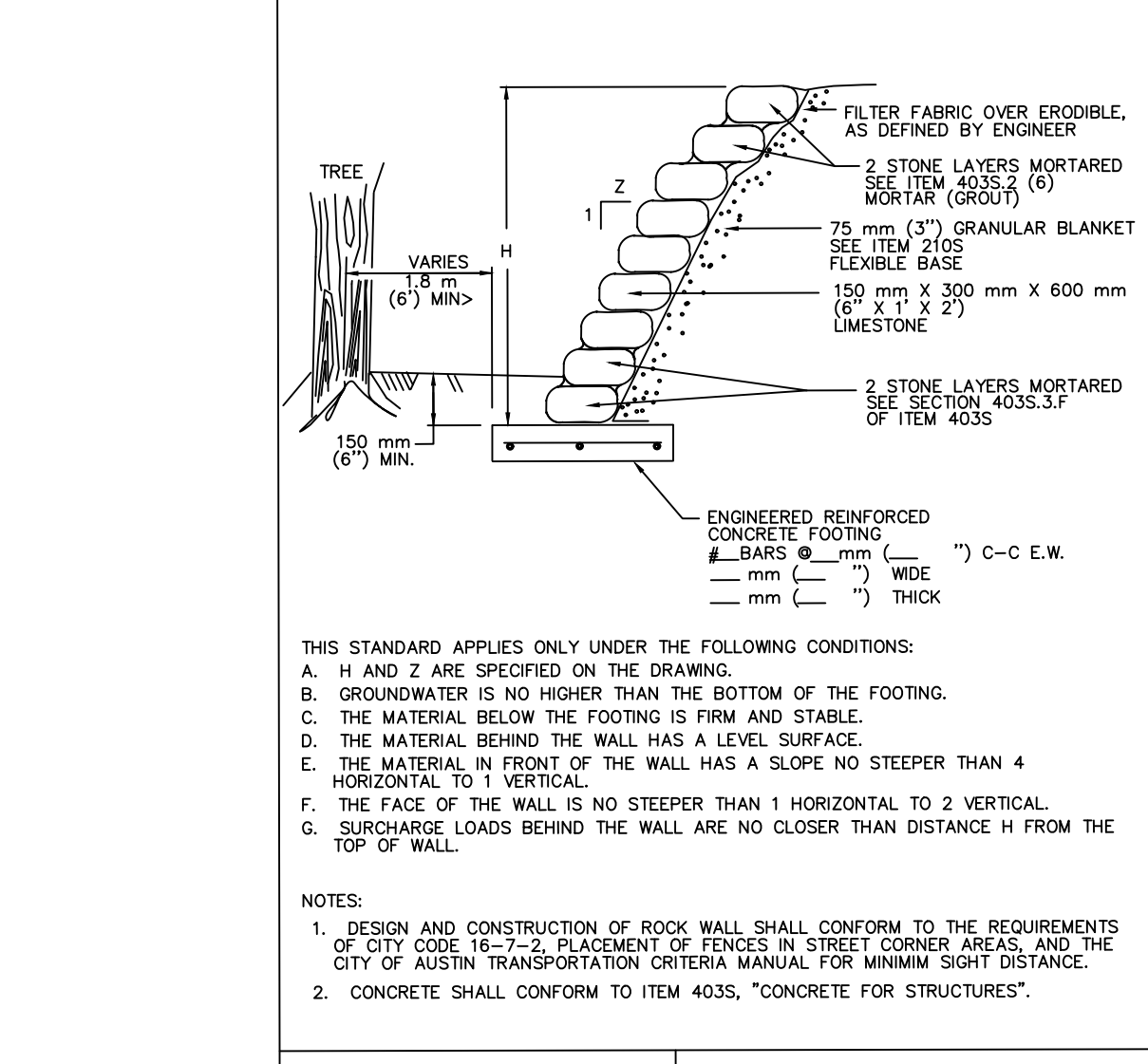
NOTES:

- THE TEMPORARY SPOILS/STOCKPILE STORAGE AREA AND STAGING AREA MAY BE LOCATED DIRECTLY ADJACENT TO THE EXCAVATION AND ON THE PAVEMENT.
- ANY SPOIL NOT INTENDED TO BE REUSED WILL BE HAULED TO AN APPROVED OR PERMITTED DISPOSAL SITE DAILY.
- INSTALL TRIANGULAR SEDIMENT FILTER DIKE ACROSS FULL WIDTH OF TRAFFIC CLOSURE AND DOWNSTREAM OF CONSTRUCTION AREA, PERPENDICULAR TO CURB AND PLACED TO EFFECTIVELY CATCH AND CONTAIN SEDIMENT LADEN RUNOFF FROM THE EXCAVATED AREA. FILTER DIKE TO FOLLOW ACTIVE CONSTRUCTION, REMOVING AND RE-SETTING FILTER DIKE IS CONSIDERED SUBSIDIARY TO BARRICADES AND TRAFFIC HANDLING.



NOTES:

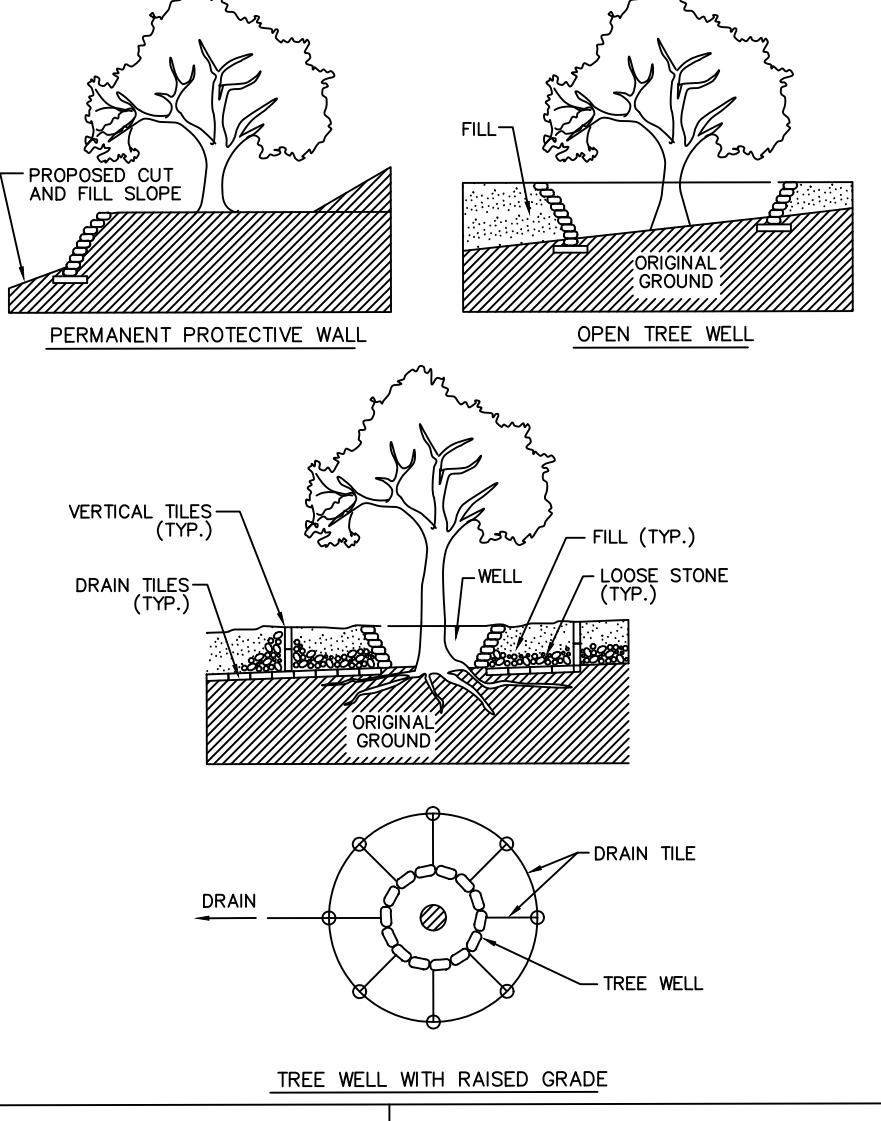
- ACTUAL LAYOUT DETERMINED IN FIELD.
- INSTALL CONCRETE WASHOUT SIGN WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
- IN LIEU OF DESIGN SHOWN ABOVE, CONTRACTOR MAY SUBSTITUTE PREFABRICATED DESIGN OR OTHER FABRICATED ON-SITE DESIGN PROVIDED HE/SHE SUBMITS SKETCH TO ENVIRONMENTAL INSPECTOR FOR APPROVAL.
- CONTRACTOR SHALL SUBMIT MAINTENANCE PLAN TO ENVIRONMENTAL INSPECTOR FOR APPROVAL. PLAN SHALL INCLUDE ANTICIPATED NUMBER OF CONCRETE TRUCKS PER DAY, CLEANING SCHEDULE, DISPOSAL PLAN FOR SOLIDS AND LIQUIDS, AND FREQUENCY OF INSPECTION.
- CONTRACTOR SHALL IMMEDIATELY REPAIR LINER IF LEAKAGE IS OBSERVED.



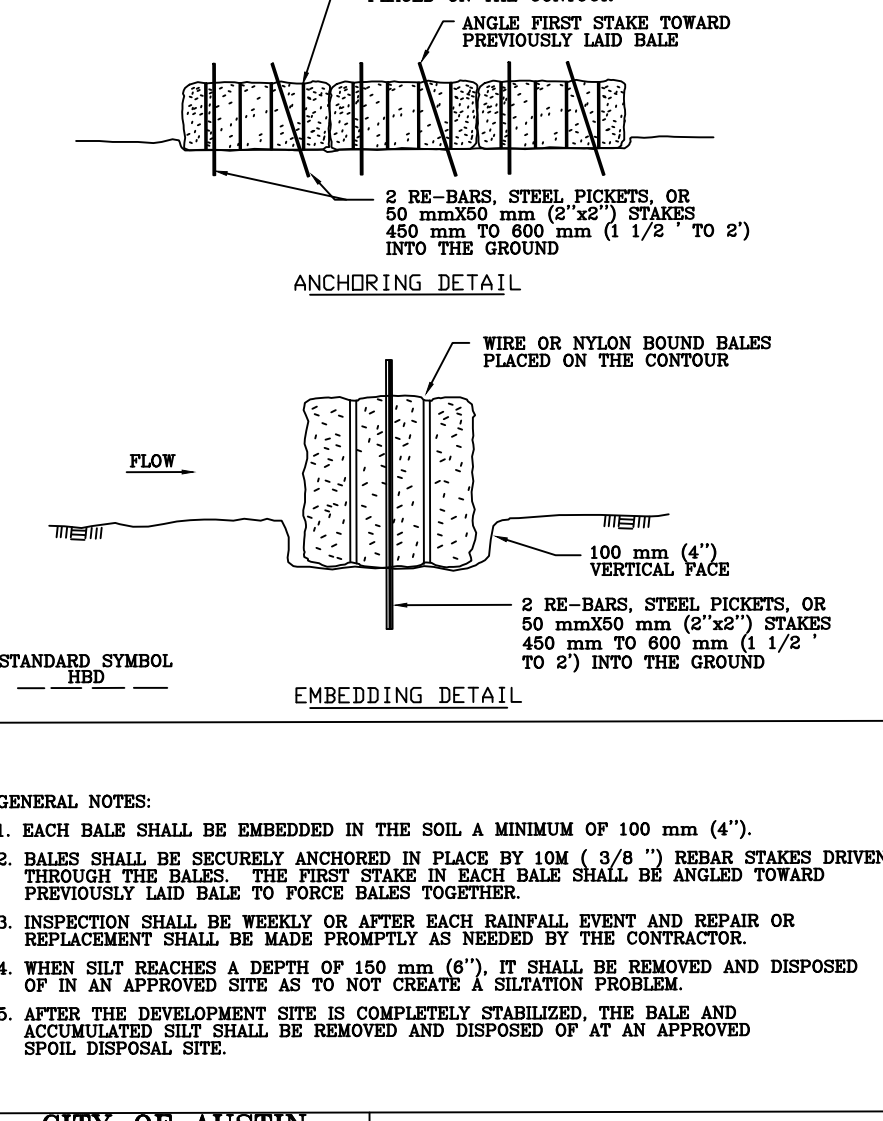
DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW	SLOPE PROTECTION AND TREE WELLS	STANDARD NO. 610S-6
RECORD COPY SIGNED BY J. PATRICK MURPHY	03/13/06	ADOPTED
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.		

PROJECT SPOILS NOTES:

- ALL SPOILS ARE TO BE PLACED BACK IN TRENCH EVERY NIGHT; OR IF SPOILS PILES ARE TO REMAIN OVERNIGHT, SPOILS MUST BE PLACED ON THE UPHILL SIDE OF TRENCH WITHIN THE LOC.
- SPOILS ARE TO BE PLACED ON THE UPHILL SIDE OF THE TRENCH.



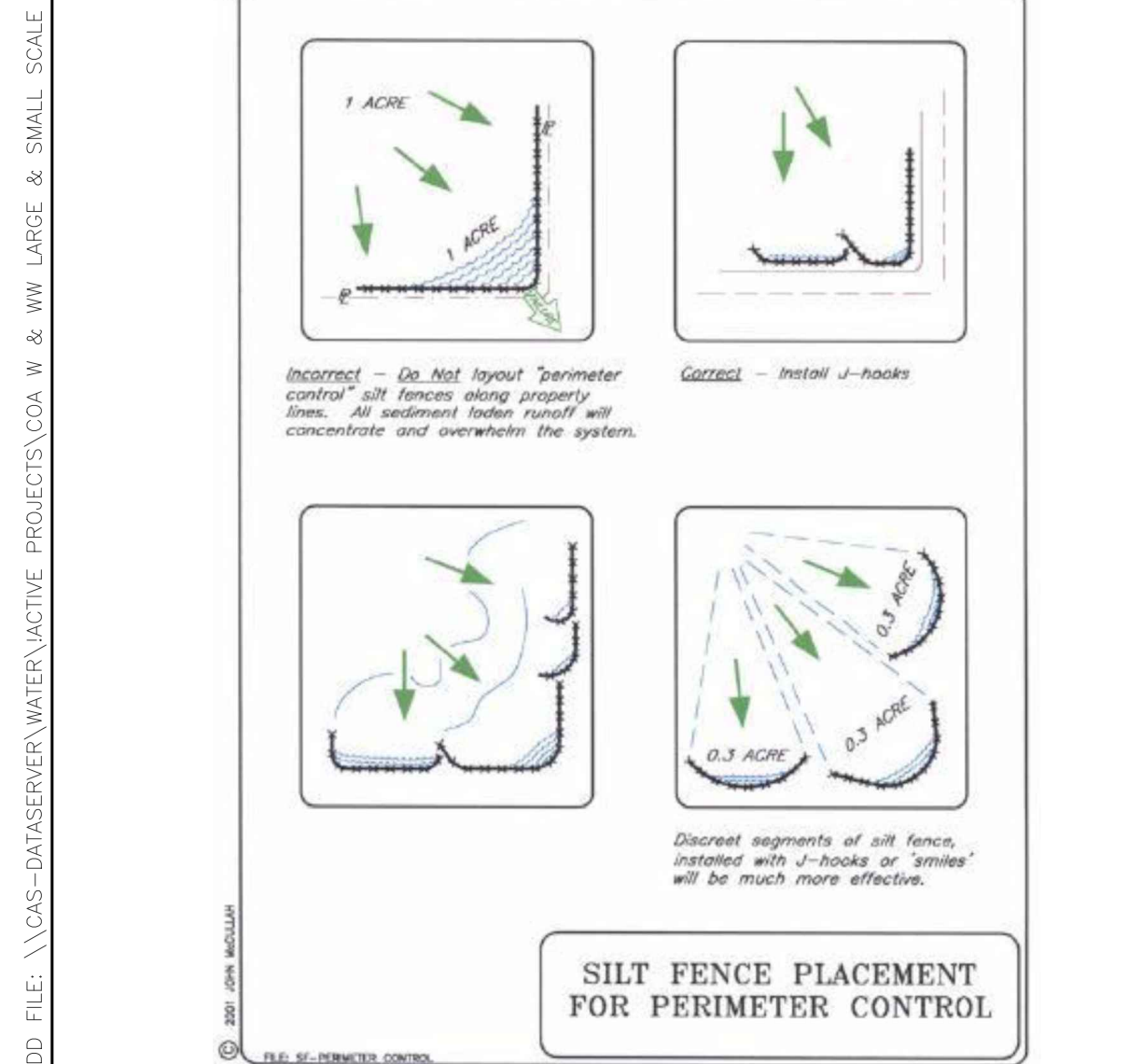
DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW	SLOPE PROTECTION AND TREE WELLS	STANDARD NO. 610S-6
RECORD COPY SIGNED BY J. PATRICK MURPHY	03/13/06	ADOPTED
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.		



CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT	HAY BALE DIKE	STANDARD NO. 628S-1
RECORD COPY SIGNED BY J. PATRICK MURPHY	3/27/00	ADOPTED
THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.		

GENERAL NOTES:

- BALD BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 100 mm (4").
- BALD BALE SHALL BE SECURELY ANCHORED IN PLACE BY 10 (3/8") REBAR STAKES DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE ANGED TOWARD PREVIOUSLY LAID BALE TO FORCE BALE TOGETHER.
- INSPECTION SHALL BE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.
- WHEN SILT REACHES A DEPTH OF 150 mm (6"), IT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED SITE AS TO NOT CREATE A SILTATION PROBLEM.
- AFTER THE DEVELOPMENT SITE IS COMPLETELY STABILIZED, THE BALE AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED SPOIL DISPOSAL SITE.

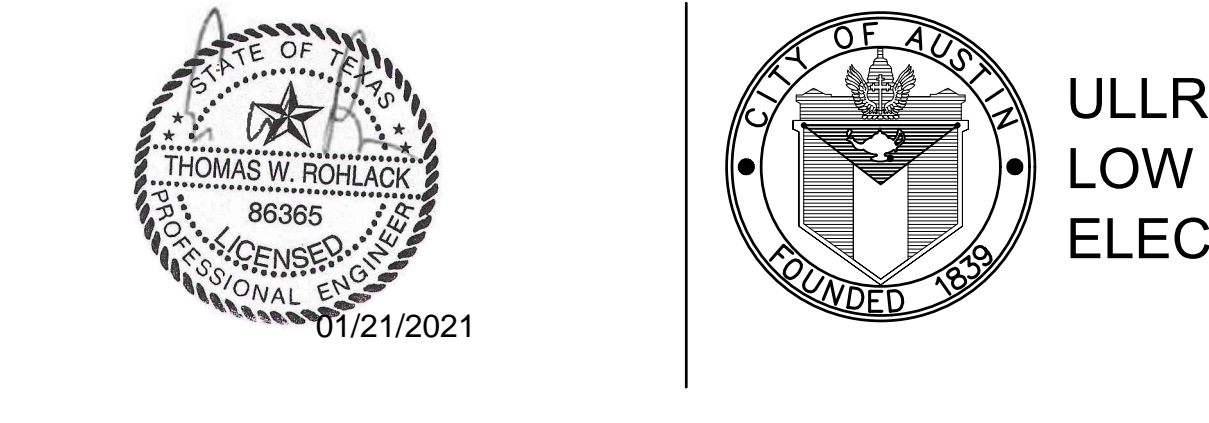


NOTES:

- ACTUAL LAYOUT DETERMINED IN FIELD.
- INSTALL CONCRETE WASHOUT SIGN WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
- IN LIEU OF DESIGN SHOWN ABOVE, CONTRACTOR MAY SUBSTITUTE PREFABRICATED DESIGN OR OTHER FABRICATED ON-SITE DESIGN PROVIDED HE/SHE SUBMITS SKETCH TO ENVIRONMENTAL INSPECTOR FOR APPROVAL.
- CONTRACTOR SHALL SUBMIT MAINTENANCE PLAN TO ENVIRONMENTAL INSPECTOR FOR APPROVAL. PLAN SHALL INCLUDE ANTICIPATED NUMBER OF CONCRETE TRUCKS PER DAY, CLEANING SCHEDULE, DISPOSAL PLAN FOR SOLIDS AND LIQUIDS, AND FREQUENCY OF INSPECTION.
- CONTRACTOR SHALL IMMEDIATELY REPAIR LINER IF LEAKAGE IS OBSERVED.



PROJECT MANAGER	DESIGNED BY	TR
	DRAWN BY	JC
	CHECKED BY	JC
	DATE	01/21/2021
ISSUE	DATE	DESCRIPTION
0	01/21/2021	CONFORMED CONTRACT DRAWINGS
PROJECT NUMBER	1126	



ULLRICH WTP  
LOW SERVICE PUMP STATION  
ELECTRICAL FEED RENEWAL

FILE NAME: 1126ERSD01  
SCALE: N.T.S.

SHEET 20 of 350  
C10-111

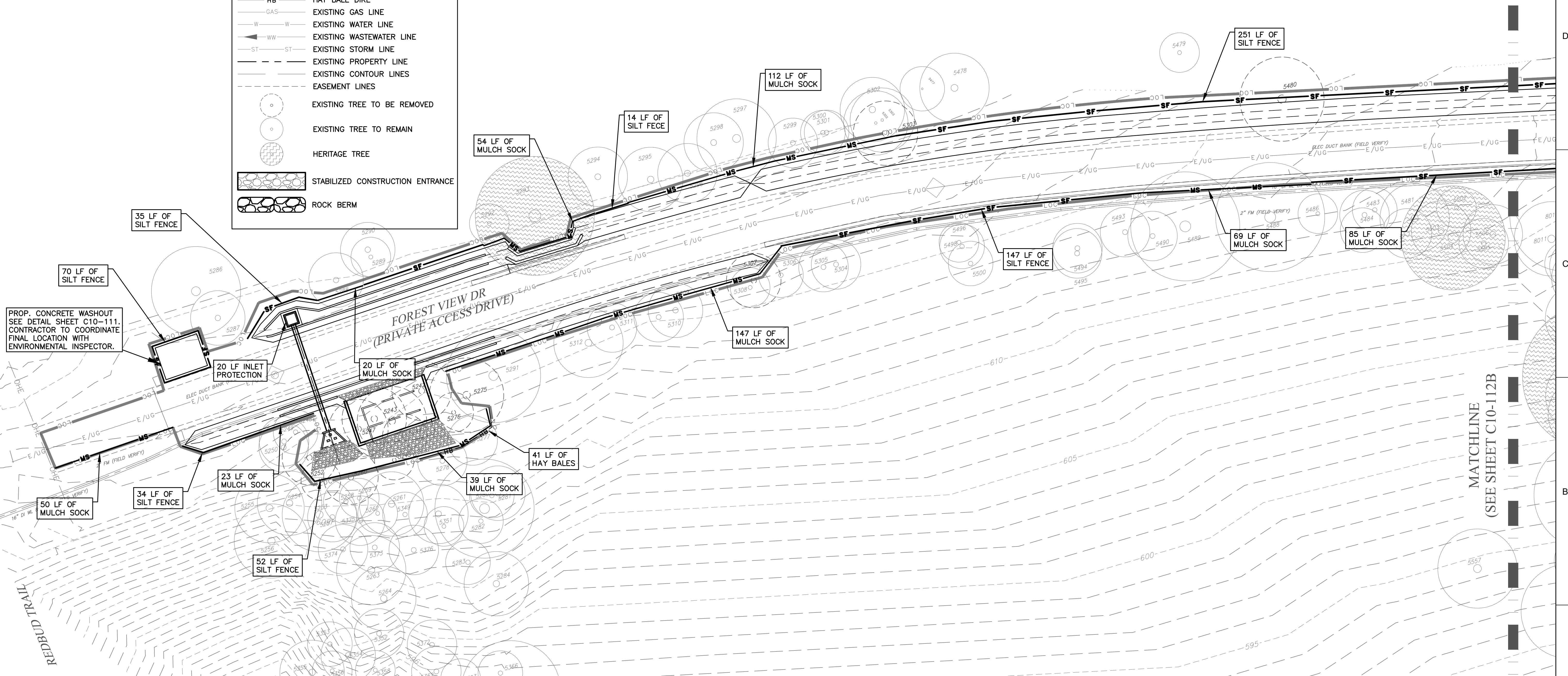
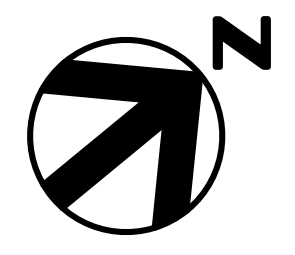
SPC-03-005C (R2)

CADD FILE: \\CAS-DATASEVER\WATER\ACTIVE\_PROJECTS\COA W & WW LARGE & SMALL SCALE FACILITIES\HULLRICH\_LSPS\_SWITCHGEAR\_PROJECT\3.0\_WORK\_PRODUCTS\3.6\_CAD\112ERSNO1\_PLOTTED-1/15/2021 1:03:36 PM BY: JANE FU CTB FILE: CAS.CTB

1 2 3 4 5 6 7 8

**LEGEND**

- LIMITS OF CONSTRUCTION
- SILT FENCE FOR EROSION CONTROL
- MULCH SOCK
- TREE PROTECTION
- HAY BALE DIKE
- EXISTING GAS LINE
- EXISTING WATER LINE
- EXISTING WASTEWATER LINE
- EXISTING STORM LINE
- EXISTING PROPERTY LINE
- EXISTING CONTOUR LINES
- EASEMENT LINES
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO REMAIN
- HERITAGE TREE
- STABILIZED CONSTRUCTION ENTRANCE
- ROCK BERM



- NOTES:**
1. A TREE MITIGATION PLAN COMPLIANT WITH CHAPTER 25-8, SUBCHAPTER B, ARTICLE 1, DIVISION 2 OF THE COA LDC AND SECTION 3 OF THE COA ECM WILL BE PROVIDED BY THE PERMIT APPLICANT.
  2. TREE CARE PLAN SHALL BE PREPARED BY A CERTIFIED ARBORIST. REFER TO SPECIFICATION SECTION 01595.
  3. SILT FENCES SHALL INCLUDE J-HOOKS. REFER TO J-HOOK DETAIL ON SHEET C10-111. J-HOOK SPACING SHALL BE EVERY 20 FEET.
  4. ENVIRONMENTAL INSPECTOR HAS THE

AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS. [LDC 25-8-183]

5. CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER ECM 1.4.5(D), OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
6. MULCH SOCK TYPE AND INSTALLATION SHALL COMPLY WITH ECM 1.4.2(G). DIAMETER OF MULCH SOCK IS 12" AND FILLER MATERIAL SHALL BE HAY.

7. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 5 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION MATTING. [ECM 1.4.1.2(C)(2)]
8. TRENCHES WILL BE REFILLED TO NATURAL GRADE AND REVEGETATED.
9. NO MORE THAN 2000 FEET OF CONSTRUCTION ZONE SHALL BE OPEN AT ANY TIME WITH CLEAN UP AND RESTORATION WORK OCCURRING BEFORE PROCEEDING TO THE NEXT SECTION. THE CONTRACTOR IS REQUIRED TO RESTORE ALL DISTURBED

- AREAS AS THE WORK PROGRESSES. [ECM 1.4.1.2(E), ECM 1.4.1.2(C)(2)]
10. ALL SPOILS WILL BE CLEANED OFF ALL ROADS, DRIVEWAYS AND ANY OTHER IMPERVIOUS COVER LOCATED OUTSIDE THE LOC AT THE END OF EACH DAY. [ECM 1.4.1.1 (A)(B), ECM 1.4.2]
  11. REVEGETATE ALL DISTURBED AREAS WITH NATIVE SEED MIX PER COA STANDARD SPECIFICATION 604S. USE DRY AREA SEED MIX INCLUDING WILDFLOWER SEED LISTED IN TABLE 4 OF 604S.
  12. A PRECONSTRUCTION MEETING WITH THE ENVIRONMENTAL INSPECTOR IS

- REQUIRED PRIOR TO ANY SITE DISTURBANCE.
13. THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY.
  14. CONTRACTOR TO INCLUDE TEMPORARY IRRIGATION FOR FINAL STABILIZATION.
  15. TREE PROTECTION FENCING TO BE INSTALLED AROUND THE FULL CRZ WHERE POSSIBLE. WHERE NOT POSSIBLE, TREE PROTECTION FENCING TO BE INSTALLED AROUND THE 1/2 CRZ AND ADD 8" OF HARDWOOD MULCH FROM THE 1/2 CRZ TO THE FULL CRZ.

16. CONTRACTOR TO PLACE FENCE FOOTINGS OUTSIDE OF THE 1/4 CRZ OF ALL TREES. IF LOCATED WITHIN THE 1/2 CRZ, ENSURE CUT DEPTH IS ONLY 4" MAXIMUM.
17. 2x4x6 OR GREATER SIZE LUMBER SHALL BE STRAPPED VERTICALLY TO THE TREE AND 8" OF HARDWOOD MULCH SHALL BE APPLIED WITHIN THE FULL CRZ, WHERE POSSIBLE. SEE TREE MITIGATION TABLES AND TREE PROTECTION SHEETS FOR TREE PROTECTION AND REMOVAL.
18. CONTRACTOR SHALL INSTALL SIGNS REQUIRING CONSTRUCTION VEHICLES

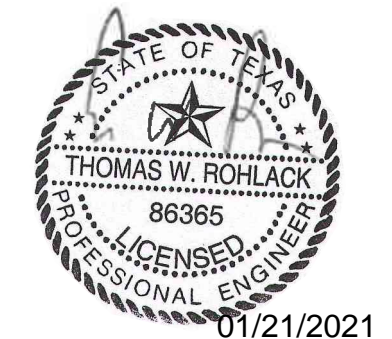
EXITING THE SITE TO CHECK WHEELS AND UNDER SIDE OF VEHICLE FOR SEDIMENT. IF SEDIMENT IS PRESENT VEHICLES SHALL BE REQUIRED TO RETURN TO THE WASH DOWN AREA TO REMOVE SEDIMENT PRIOR TO EXITING THE GATE.

SITE PLAN APPROVAL SHEET OF	
FILE NUMBER: _____	APPLICATION DATE: _____
APPROVED BY COMMISSION ON _____	UNDER SECTION _____ OF
CHAPTER _____ OF THE CITY OF AUSTIN CODE.	
EXPIRATION DATE(25-5-81, LDC) _____	CASE MANAGER _____
PROJECT EXPIRATION DATE (ORD. #97095-A) _____	DMPZ DOZ _____
Director, Watershed Protection and Development Review	
RELEASED FOR GENERAL COMPLIANCE: _____ ZONING: _____	
Rev. 1 _____	Correction 1 _____
Rev. 2 _____	Correction 2 _____
Rev. 3 _____	Correction 3 _____
Find Plot must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.	

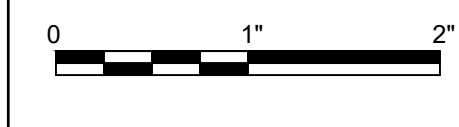


ISSUE	DATE	DESCRIPTION
0	01/21/2021	CONFORMED CONTRACT DRAWINGS

PROJECT MANAGER	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
DATE	01/21/2021
PROJECT NUMBER	1126



**ULLRICH WTP  
LOW SERVICE PUMP STATION  
ELECTRICAL FEED RENEWAL**

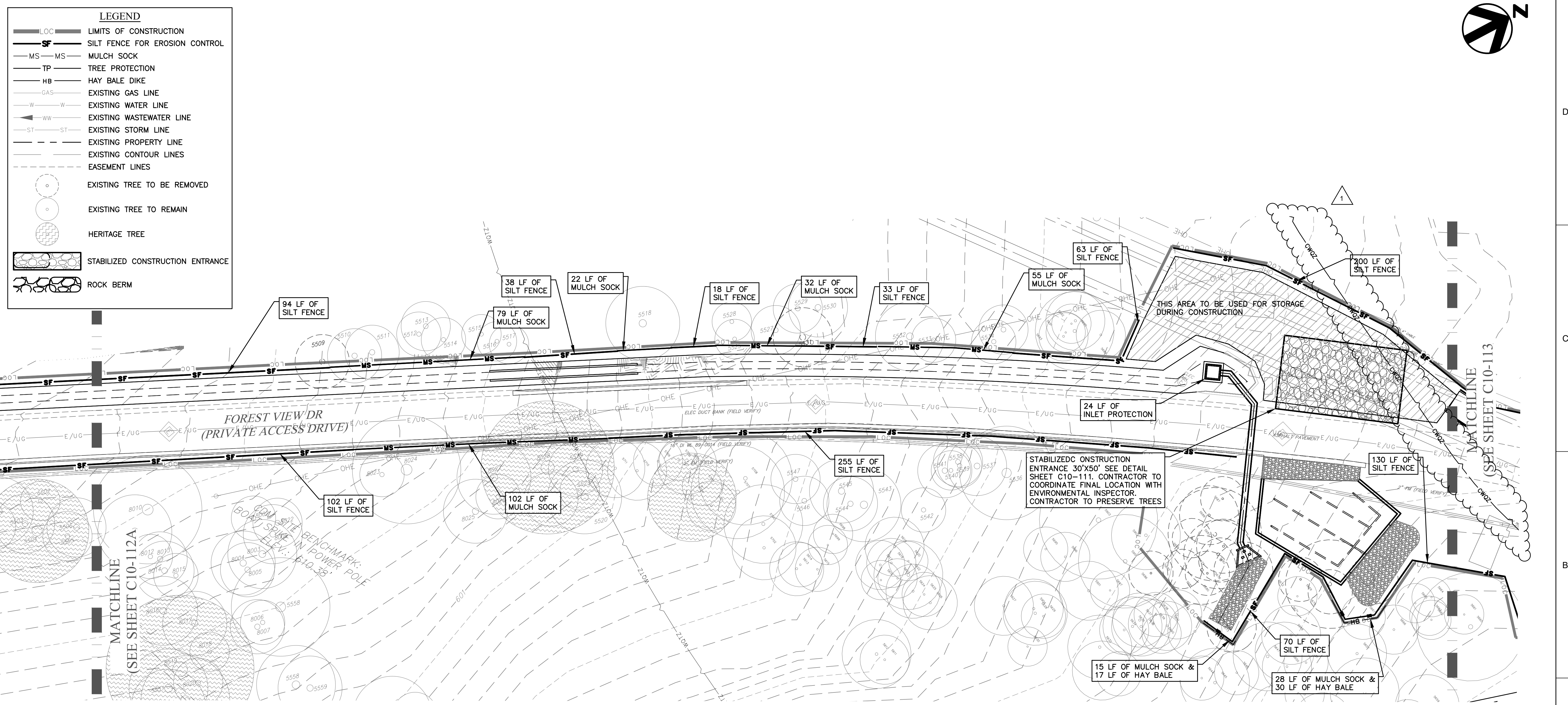


FILENAME 1126ERSNO1  
SCALE 1" = 20'

**E&S PLAN (1 OF 5)**

SHEET 22 of 350  
**C10-112A**

CADD FILE: \\CAS-DATASEVER\WATER\ACTIVE PROJECTS\COA W & WW LARGE & SMALL SCALE FACILITIES\HULLRICH LSPS SWITCHGEAR PROJECT\3.0 WORK PRODUCTS\3.6 CADD\12BERSNO2 PLOTTED-5/14/2021 10:18:22 AM BY: JANE FU CTB FILE: P:\MSTAN\10112B



**NOTES:**

- A TREE MITIGATION PLAN COMPLIANT WITH CHAPTER 25-8, SUBCHAPTER B, ARTICLE 1, DIVISION 2 OF THE COA LDC AND SECTION 3 OF THE COA ECM WILL BE PROVIDED BY THE PERMIT APPLICANT.
- TREE CARE PLAN SHALL BE PREPARED BY A CERTIFIED ARBORIST. REFER TO SPECIFICATION SECTION 01595.
- SILT FENCES SHALL INCLUDE J-HOOKS. REFER TO J-HOOK DETAIL ON SHEET C10-111. J-HOOK SPACING SHALL BE EVERY 20 FEET.
- ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN-COMPLIANCE WITH THE CITY OF AUSTIN RULES AND

**REGULATIONS. [LDC 25-8-183]**

- CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER ECM 1.4.5(D), OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
- MULCH SOCK TYPE AND INSTALLATION SHALL COMPLY WITH ECM 1.4.2(G). DIAMETER OF MULCH SOCK IS 12" AND FILLER MATERIAL SHALL BE HAY.
- IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 5 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION MATTING. [ECM 1.4.1.2(C)(2)]
- TRENCHES WILL BE REFILLED TO

**NATURAL GRADE AND REVEGETATED.**

- NO MORE THAN 2000 FEET OF CONSTRUCTION ZONE SHALL BE OPEN AT ANY TIME WITH CLEAN UP AND RESTORATION WORK OCCURRING BEFORE PROCEEDING TO THE NEXT SECTION. THE CONTRACTOR IS REQUIRED TO RESTORE ALL DISTURBED AREAS AS THE WORK PROGRESSES. [ECM 1.4.1.2(E), ECM 1.4.1.2(C)(2)]
- ALL SPOILS WILL BE CLEANED OFF ALL ROADS, DRIVEWAYS AND ANY OTHER IMPERVIOUS COVER LOCATED OUTSIDE THE LOC AT THE END OF EACH DAY. [ECM 1.4.1.1 (A)(B), ECM 1.4.2]
- REVEGETATE ALL DISTURBED AREAS WITH NATIVE SEED MIX PER COA STANDARD SPECIFICATION 604S. USE DRY AREA SEED MIX INCLUDING WILDFLOWER SEED LISTED IN TABLE 4

**OF 604S.**

- A PRECONSTRUCTION MEETING WITH THE ENVIRONMENTAL INSPECTOR IS REQUIRED PRIOR TO ANY SITE DISTURBANCE.
- THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE TO THE ROADS A MINIMUM OF ONCE DAILY.
- CONTRACTOR TO INCLUDE TEMPORARY IRRIGATION FOR FINAL STABILIZATION.
- TREE PROTECTION FENCING TO BE INSTALLED AROUND THE FULL CRZ WHERE POSSIBLE. WHERE NOT POSSIBLE, TREE PROTECTION FENCING TO BE INSTALLED AROUND THE 1/2 CRZ AND ADD 8" OF HARDWOOD MULCH FROM THE 1/2 CRZ TO THE FULL CRZ.

**16. CONTRACTOR TO PLACE FENCE FOOTINGS OUTSIDE OF THE 1/4 CRZ OF ALL TREES. IF LOCATED WITHIN THE 1/2 CRZ, ENSURE CUT DEPTH IS ONLY 4" MAXIMUM.**

- 2x4x6 OR GREATER SIZE LUMBER SHALL BE STRAPPED VERTICALLY TO THE TREE AND 8" OF HARDWOOD MULCH SHALL BE APPLIED WITHIN THE FULL CRZ, WHERE POSSIBLE. SEE TREE MITIGATION TABLES AND TREE PROTECTION SHEETS FOR TREE PROTECTION AND REMOVAL.

SITE PLAN APPROVAL SHEET	OF	APPLICATION DATE:
FILE NUMBER:	APPROVED BY COMMISSION ON	LINEAR SECTION
CHAPTER	OF THE CITY OF AUSTIN CODE.	
EXPIRATION DATE(25-8-81, LDC)	CASE MANAGER	
PROJECT EXPIRATION DATE (ORD. #970905-A)	DMPZ	DOZ

Director, Watershed Protection and Development Review	ZONING
RELEASED FOR GENERAL COMPLIANCE:	
Rev. 1	Correction 1
Rev. 2	Correction 2
Rev. 3	Correction 3

Final Plot must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.

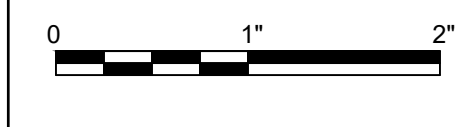


ISSUE	DATE	DESCRIPTION
1	05/12/2021	RFI039
0	01/21/2021	CONFORMED CONTRACT DRAWINGS

PROJECT MANAGER	
DESIGNED BY	TR
DRAWN BY	JC
CHECKED BY	JC
DATE	
PROJECT NUMBER	1126



**ULLRICH WTP  
LOW SERVICE PUMP STATION  
ELECTRICAL FEED RENEWAL**



FILENAME 1126ERSN02  
SCALE 1" = 20'

SHEET  
**C10-112B**

108 OF 174  
SPC-03-005C (R2)



APPENDIX P-1 - EROSION CONTROL NOTES:

1. The contractor shall install erosion/sedimentation controls, tree/natural area protective fencing, and conduct "Pre-Construction" tree fertilization (if applicable) prior to any site preparation work (clearing, grubbing or excavation).
2. The placement of erosion/sedimentation controls shall be in accordance with the Environmental Criteria Manual and the approved Erosion and Sedimentation Control Plan. The COA ESC Plan shall be consulted and used as the basis for a TPDES required SWPPP. If a SWPPP is required, it shall be available for review by the City of Austin Environmental Inspector at all times during construction, including at the Pre-Construction meeting. The checklist below contains the basic elements that shall be reviewed for permit approval by COA EV Plan Reviewers as well as COA EV Inspectors.
- Plan sheets submitted to the City of Austin MUST show the following:
Direction of flow during grading operations.
Location, description, and calculations for off-site flow diversion structures.
Areas that will not be disturbed; natural features to be preserved.
Delineation of contributing drainage area to each proposed BMP (e.g., silt fence, sediment basin, etc.).
Location and type of E&S BMPs for each phase of disturbance.
Calculations for BMPs as required.
Location and description of temporary stabilization measures.
Location of on-site spoils, description of handling and disposal of borrow materials, and description of on-site permanent spoils disposal areas, including size, depth of fill and revegetation procedures.
Describe sequence of construction as it pertains to ESC including the following elements:
1. Installation sequence of controls (e.g. perimeter controls, then sediment basins, then temporary stabilization, then permanent, etc.)
2. Project phasing if required (LOC greater than 25 acres)
3. Sequence of grading operations and notation of temporary stabilization measures to be used
4. Schedule for converting temporary basins to permanent WQ controls
5. Schedule for removal of temporary controls
6. Anticipated maintenance schedule for temporary controls
- Categorize each BMP under one of the following areas of BMP activity as described below:
3.1 Minimize disturbed area and protect natural features and soil
3.2 Control Stormwater flowing onto and through the project
3.3 Stabilize Soils
3.4 Protect Slopes
3.5 Protect Storm Drain Inlets
3.6 Establish Perimeter Controls and Sediment Barriers
3.7 Retain Sediment On-Site and Control Dewatering Practices
3.8 Establish Stabilized Construction Exits
3.9 Any Additional BMPs
- Note the location of each BMP on your site map(s).
- For any structural BMPs, you should provide design specifications and details and refer to them.
- For more information, see City of Austin Environmental Criteria Manual 1.4.

3. The Placement of tree/natural area protective fencing shall be in accordance with the City of Austin standard Notes for Tree and Natural Area Protection and the approved Grading/Tree and Natural Area Plan.
4. A pre-construction conference shall be held on-site with the contractor, design Engineer/permit applicant and Environmental Inspector after installation of the erosion/sedimentation controls, tree/natural area protection measures and "Pre-Construction" tree fertilization (if applicable) prior to beginning any site preparation work. The owner or owner's representative shall notify the Development Services Department, 512-974-2278 or by email at environmental.inspections@austintexas.gov, at least three days prior to the meeting date. COA approved ESC Plan and TPDES SWPPP (if required) should be reviewed by COA EV Inspector at this time.
5. Any major variation in materials or locations of controls or fences from those shown on the approved plans will require a revision and must be approved by the reviewing Engineer, Environmental Specialist or City Arborist as appropriate. Major revisions must be approved by authorized COA staff. Minor changes to be made as field revisions to the Erosion and Sedimentation Control Plan may be required by the Environmental Inspector during the course of construction to correct control inadequacies.
6. The contractor is required to provide a certified inspector that is either a licensed engineer (or person directly supervised by the licensed engineer) or Certified Professional in Erosion and Sediment Control (CPESC or CPESC - IT), Certified Erosion, Sediment and Stormwater - Inspector (CESSWI or CESSWI - IT) or Certified Inspector of Sedimentation and Erosion Controls (CISEC or CISEC - IT) certification to inspect the controls and fences at weekly or bi-weekly intervals and after one-half (1/2) inch or greater rainfall events to insure that they are functioning properly. The person(s) responsible for maintenance of controls and fences shall immediately make any necessary repairs to damaged areas. Silt accumulation at controls must be removed when the depth reaches six (6) inches or one-third (1/3) of the installed height of the control whichever is less.
7. Prior to final acceptance by the City, haul roads and waterway crossings constructed for temporary contractor access must be removed, accumulated sediment removed from the waterway and the area restored to the original grade and revegetated. All land clearing debris shall be disposed of in approved spoil disposal sites.
8. All work must stop if a void in the rock substrate is discovered which is; one square foot in total area; blows air from within the substrate and/or consistently receives water during any rain event. At this time it is the responsibility of the Project Manager to immediately contact a City of Austin Environmental Inspector for further investigation.
9. Temporary and Permanent Erosion Control: All disturbed areas shall be restored as noted below:
A. All disturbed areas to be revegetated are required to place a minimum of six (6) inches of topsoil [see Standard Specification Item No. 601S.3(A)]. Do not add topsoil within the critical root zone of existing trees.
B. Topsoil salvaged from the existing site is encouraged for use, but it should meet the standards set forth in 601S.
An owner/engineer may propose use of onsite salvaged topsoil which does not meet the criteria of Standard Specification 601S by providing a soil analysis and a written statement from a qualified professional in soils, landscape architecture, or agronomy indicating the onsite topsoil will provide an equivalent growth media and specifying what, if any, soil amendments are required.
C. Soil amendments shall be worked into the existing onsite topsoil with a disc or tiller to create a well-blended material.
The vegetative stabilization of areas disturbed by construction shall be as follows:

TEMPORARY VEGETATIVE STABILIZATION:

1. From September 15 to March 1, seeding shall be with or include a cool season cover crop: (Western Wheatgrass (Pascopyrum smithii) at 5.6 pounds per acre, Oats (Avena sativa) at 4.0 pounds per acre, Cereal Rye Grain (Secale cereale) at 45 pounds per acre. Contractor must ensure that any seed application requiring a cool season cover crop does not utilize annual ryegrass (Lolium multiflorum) or perennial ryegrass (Lolium perenne). Cool season cover crops are not permanent erosion control.
2. From March 2 to September 14, seeding shall be with hulled Bermuda at a rate of 45 pounds per acre or a native plant seed mix conforming to Item 604S or 609S.
A. Fertilizer shall be applied only if warranted by a soil test and shall conform to Item No. 606S, Fertilizer. Fertilization should not occur when rainfall is expected or during slow plant growth or dormancy. Chemical fertilizer may not be applied in the Critical Water Quality Zone.
B. Hydromulch shall comply with Table 1, below.
C. Temporary erosion control shall be acceptable when the grass has grown at least 1 1/2 inches high with a minimum of 95% total coverage so that all areas of a site that rely on vegetation for temporary stabilization are uniformly vegetated, and provided there are no bare spots larger than 10 square feet.
D. When required, native plant seeding shall comply with requirements of the City of Austin Environmental Criteria Manual, and Standard.

Table 1: Hydromulching for Temporary Vegetative Stabilization

Table with 5 columns: Material, Description, Longevity, Typical Applications, Application Rates. Row 1: 100% or any blend of wood, cellulose, straw, and/or cotton plant material (except no mulch shall exceed 30% paper), 70% or greater Wood/Straw 30% or less Paper or Natural Fibers, 0-3 months, Moderate slopes; from flat to 3:1, 1,500 to 2,000 lbs per acre.

PERMANENT VEGETATIVE STABILIZATION:

1. From September 15 to March 1, seeding is considered to be temporary stabilization only. If cool season cover crops exist where permanent vegetative stabilization is desired, the grasses shall be mowed to a height of less than one-half (1/2) inch and the area shall be re-seeded in accordance with Table 2 below. Alternatively, the cool season cover crop can be mixed with native seed and installed together, understanding that germination of warm-season seed typically requires soil temperatures of 60 to 70 degrees.
2. From March 2 to September 14, seeding shall be with native grasses at a rate of 45 pounds per acre with a purity of 95% and a minimum pure live seed (PLS) of 0.83. Permanent vegetative stabilization can be accomplished with a native plant seed mix conforming to Item 604S or 609S.
A. Fertilizer use shall follow the recommendation of a soil test. See Item 606S, Fertilizer. Applications of fertilizer (and pesticide) on City-owned and managed property requires the yearly submittal of a Pesticide and Fertilizer Application Record, along with a current copy of the applicator's license. For current copy of the record template contact the City of Austin's IPM Coordinator.
B. Hydromulch shall comply with Table 2, below.
C. Water the seeded areas immediately after installation to achieve germination and a healthy stand of plants that can ultimately survive without supplemental water. Apply the water uniformly to the planted areas without causing displacement or erosion of the materials or soil. Maintain the seedbed in a moist condition favorable for plant growth. All watering shall comply with City Code Chapter 6-4 (Water Conservation), at rates and frequencies determined by a licensed irrigator or other qualified professional, and as allowed by the Austin Water Utility and current water restrictions and water conservation initiatives.
D. Permanent erosion control shall be acceptable when the grass has grown at least 1 1/2 inches high with a minimum of 95 percent for the non-native mix, and 95 percent coverage for the native mix so that all areas of a site that rely on vegetation for stability must be uniformly vegetated, and provided there are no bare spots larger than 10 square feet.
E. When required, native plant seeding shall comply with requirements of the City of Austin Environmental Criteria Manual, Items 604S and 609S.

Table 2: Hydromulching for Permanent Vegetative Stabilization

Table with 5 columns: Material, Description, Longevity, Typical Applications, Application Rates. Row 1: Bonded Fiber Matrix (BFM), 80% Organic defibrated fibers, Up to 12 months, On slopes up to 1:1 and erosive soil conditions, 2,500 to 4,000 lbs per acre (see manufacturers recommendations). Row 2: 10% Tackifier, 6 months, On slopes up to 2:1 and erosive soil conditions, 2,500 to 4,000 lbs per acre (see manufacturers recommendations). Row 3: Fiber Reinforced Matrix (FRM), 65% Organic defibrated fibers, 25% Reinforcing Fibers or less, 10% Tackifier, Up to 12 months, On slopes up to 1:1 and erosive soil conditions, 3,000 to 4,500 lbs per acre (see manufacturers recommendations).

10. Developer Information:
Owner: CITY OF AUSTIN
Phone #: TBD
Address: TBD
Owner's representative responsible for plan alterations: TBD
Phone #: TBD
Person or firm responsible for erosion/sedimentation control maintenance: CONTRACTOR
Phone #: \_\_\_\_\_
Person or firm responsible for tree/natural area protection Maintenance: CONTRACTOR
Phone #: \_\_\_\_\_
11. The contractor shall not dispose of surplus excavated material from the site without notifying the Development Services Department at 512-974-2278 at least 48 hours prior with the location and a copy of the permit issued to receive the material.

STANDARD SEQUENCE OF CONSTRUCTION NOTES: SEE GENERAL NOTES SHEET.

APPENDIX P-2 - TREE AND NATURAL AREA PROTECTION NOTES: STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION:

1. ALL TREES AND NATURAL AREAS SHOWN ON PLAN TO BE PRESERVED SHALL BE PROTECTED DURING CONSTRUCTION WITH TEMPORARY FENCING.
2. PROTECTIVE FENCES SHALL BE ERECTED ACCORDING TO CITY OF AUSTIN STANDARDS FOR TREE PROTECTION.
3. PROTECTIVE FENCES SHALL BE INSTALLED PRIOR TO THE START OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING), AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.
4. EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP WITHIN TREE DRIP LINES.
5. PROTECTIVE FENCES SHALL SURROUND THE TREES OR GROUP OF TREES, AND WILL BE LOCATED AT THE OUTERMOST LIMIT OF BRANCHES (DRIP LINE), FOR NATURAL AREAS, PROTECTIVE FENCES SHALL FOLLOW THE LIMIT OF CONSTRUCTION LINE, IN ORDER TO PREVENT THE FOLLOWING:
A. SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS;
B. ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN 6 INCHES CUT OR FILL), OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE CITY ARBORIST;
C. WOUNDS TO EXPOSED ROOTS, TRUNK OR LIMBS BY MECHANICAL EQUIPMENT;
D. OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CEMENT TRUCK CLEANING, AND FIRES.

STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION (CONTINUED):

6. EXCEPTIONS TO INSTALLING FENCES AT TREE DRIP LINES MAY BE PERMITTED IN THE FOLLOWING CASES:
A. WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, TREE WELL, OR OTHER SUCH SITE DEVELOPMENT, ERECT THE FENCE APPROXIMATELY 2 TO 4 FEET BEYOND THE AREA DISTURBED;
B. WHERE PERMEABLE PAVING IS TO BE INSTALLED WITHIN A TREE'S DRIP LINE, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA (PRIOR TO SITE GRADING SO THAT THIS AREA IS GRADED SEPARATELY PRIOR TO PAVING INSTALLATION TO MINIMIZED ROOT DAMAGE);
C. WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE TO ALLOW 6 TO 10 FEET OF WORK SPACE BETWEEN THE FENCE AND THE BUILDING;
D. WHERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACT SIZE, OR OTHER SPECIAL REQUIREMENTS, CONTACT THE CITY ARBORIST AT 974-1876 TO DISCUSS ALTERNATIVES.
SPECIAL NOTE: FOR THE PROTECTION OF NATURAL AREAS, NO EXCEPTIONS TO INSTALLING FENCES AT THE LIMIT OF CONSTRUCTION LINE WILL BE PERMITTED.
7. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE BEING CLOSER THAN 4 FEET TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO A HEIGHT OF 8 FT (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING PROVIDED.
8. TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.
9. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOP SOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
10. ANY TRENCHING REQUIRED FOR THE INSTALLATION OF LANDSCAPE IRRIGATION SHALL BE PLACED AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE.
11. NO LANDSCAPE TOPSOIL DRESSING GREATER THAN 4 INCHES SHALL BE PERMITTED WITHIN THE DRIP LINE OF TREES. NO SOIL IS PERMITTED ON THE ROOT FLARE OF ANY TREE.
12. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC AND EQUIPMENT SHALL TAKE PLACE BEFORE DAMAGE OCCURS (RIPPING OF BRANCHES, ETC.).
13. ALL FINISHED PRUNING SHALL BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY (REFERENCE THE NATIONAL ARBORIST ASSOCIATION PRUNING STANDARDS FOR SHADE TREES AVAILABLE ON REQUEST FROM THE CITY ARBORIST).
14. DEVIATIONS FROM THE ABOVE NOTES MAY BE CONSIDERED ORDINANCE VIOLATIONS IF THERE IS SUBSTANTIAL NON-COMPLIANCE OR IF A TREE SUSTAINS DAMAGE AS A RESULT.

REMEDIAL TREE CARE NOTES: AERATION AND SUPPLEMENTAL NUTRIENT REQUIREMENTS FOR TREES WITHIN CONSTRUCTION AREAS

AS A COMPONENT OF AN EFFECTIVE REMEDIAL TREE CARE PROGRAM PER ENVIRONMENTAL CRITERIA MANUAL SECTION 3.5.4, PRESERVED TREES WITHIN THE LIMITS OF CONSTRUCTION MAY REQUIRE SOIL AERATION AND SUPPLEMENTAL NUTRIENTS. SOIL AND/OR FOLIAR ANALYSIS SHOULD BE USED TO DETERMINE THE NEED FOR SUPPLEMENTAL NUTRIENTS. THE CITY ARBORIST MAY REQUIRE THESE ANALYSES AS PART OF A COMPREHENSIVE TREE CARE PLAN. SOIL PH SHALL BE CONSIDERED WHEN DETERMINING THE FERTILIZATION COMPOSITION AS SOIL PH INFLUENCES THE TREE'S ABILITY TO UPTAKE NUTRIENTS FROM THE SOIL. IF ANALYSES INDICATE THE NEED FOR SUPPLEMENTAL NUTRIENTS, THEN HUMATE/NUTRIENT SOLUTIONS WITH MYCORRHIZAE COMPONENTS ARE HIGHLY RECOMMENDED. IN ADDITION, SOIL ANALYSIS MAY BE NEEDED TO DETERMINE IF ORGANIC MATERIAL OR BENEFICIAL MICROORGANISMS ARE NEEDED TO IMPROVE SOIL HEALTH. MATERIALS AND METHODS ARE TO BE APPROVED BY THE CITY ARBORIST (512-974-1876) PRIOR TO APPLICATION. THE OWNER OR GENERAL CONTRACTOR SHALL SELECT A FERTILIZATION CONTRACTOR AND IENSURE COORDINATION WITH THE CITY ARBORIST.

PRE-CONSTRUCTION TREATMENT SHOULD BE APPLIED IN THE APPROPRIATE SEASON, IDEALLY THE SEASON PRECEDING THE PROPOSED CONSTRUCTION. MINIMALLY, AREAS TO BE TREATED INCLUDE THE ENTIRE CRITICAL ROOT ZONE OF TREES AS DEPICTED ON THE CITY APPROVED PLANS. TREATMENT SHOULD INCLUDE, BUT NOT LIMITED TO, FERTILIZATION, SOIL TREATMENT, MULCHING, AND PROPER PRUNING.

POST-CONSTRUCTION TREATMENT SHOULD OCCUR DURING FINAL REVEGETATION OR AS DETERMINED BY A QUALIFIED ARBORIST AFTER CONSTRUCTION. CONSTRUCTION ACTIVITIES OFTEN RESULT IN A REDUCTION IN SOIL MACRO AND MICRO PORES AND AN INCREASE IN SOIL BULK DENSITY. TO AMELIORATE THE DEGRADED SOIL CONDITIONS, AERATION VIA WATER AND/OR AIR INJECTED INTO THE SOIL IS NEEDED OR BY OTHER METHODS AS APPROVED BY THE CITY ARBORIST. THE PROPOSED NUTRIENT MIX SPECIFICATIONS AND SOIL AND/OR FOLIAR ANALYSIS RESULTS NEED TO BE PROVIDED TO AND APPROVED BY THE CITY ARBORIST PRIOR TO APPLICATION (FAX # 512-974-3010). CONSTRUCTION WHICH WILL BE COMPLETED IN LESS THAN 90 DAYS MAY USE MATERIALS AT 1/2 RECOMMENDED RATES. ALTERNATIVE ORGANIC FERTILIZER MATERIALS ARE ACCEPTABLE WHEN APPROVED BY THE CITY ARBORIST. WITHIN 7 DAYS AFTER FERTILIZATION IS PERFORMED, THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF THE WORK PERFORMED TO THE CITY ARBORIST, PLANNING AND DEVELOPMENT REVIEW DEPARTMENT. P.O. BOX 1088, AUSTIN, TX 78767. THIS NOTE SHOULD BE REFERENCED AS ITEM #1 IN THE SEQUENCE OF CONSTRUCTION.

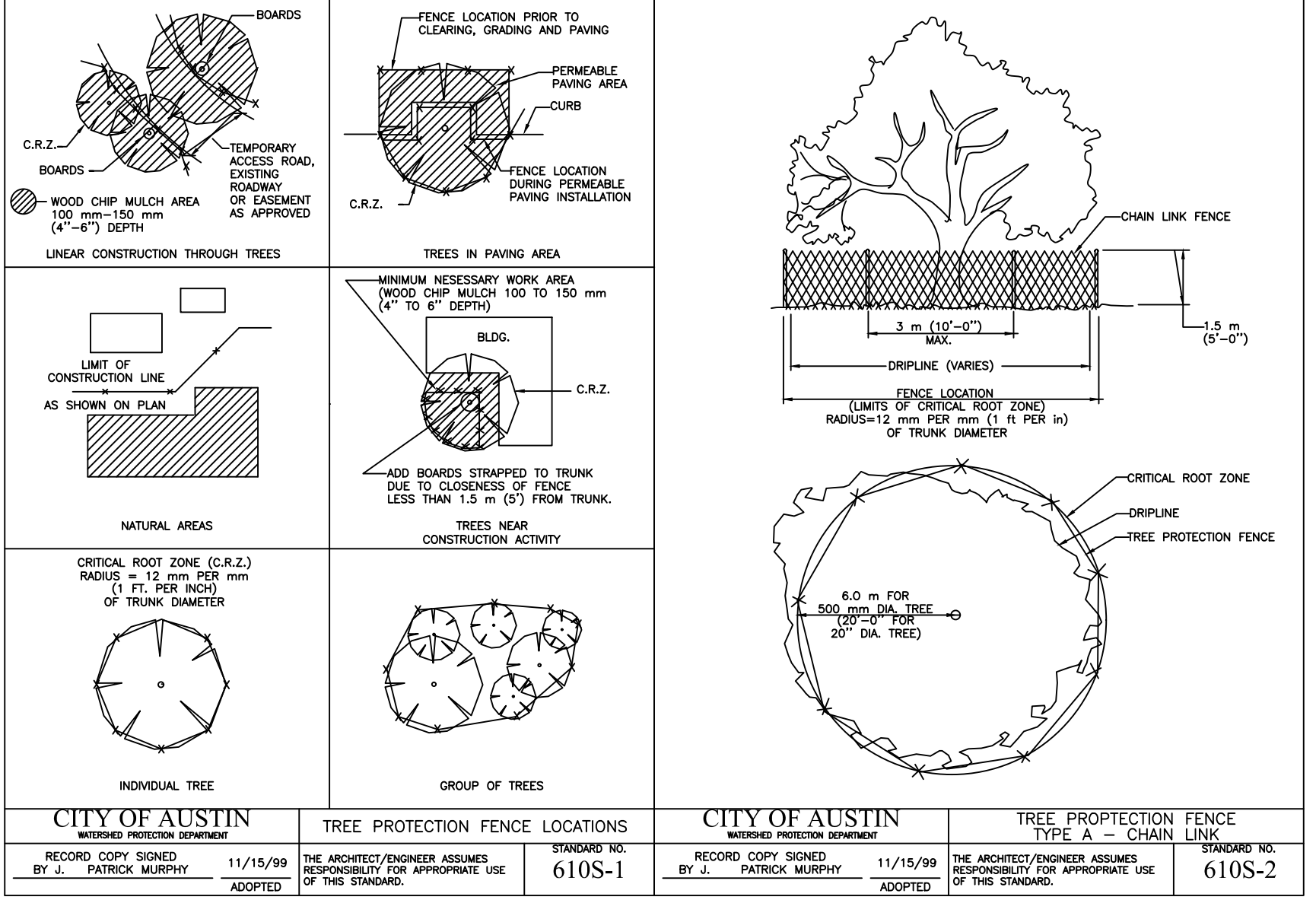


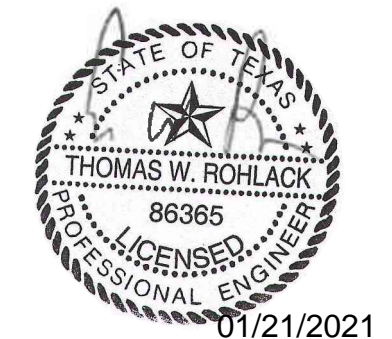
Table with columns: SITE PLAN APPROVAL SHEET OF FILE NUMBER, APPROVED BY COMMISSION ON UNDER SECTION OF CHAPTER OF THE CITY OF AUSTIN CODE, EXPIRATION DATE(25-5-81, LDC), CASE MANAGER, PROJECT EXPIRATION DATE (ORD. #97095-A) DMPZ DOZ

Director, Watershed Protection and Development Review
RELEASED FOR GENERAL COMPLIANCE: ZONING:
Rev. 1 Correction 1
Rev. 2 Correction 2
Rev. 3 Correction 3
Find Plat must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.



Table with columns: ISSUE, DATE, DESCRIPTION. Row 1: 0 01/21/2021 CONFORMED CONTRACT DRAWINGS

Table with columns: PROJECT MANAGER, DESIGNED BY, DRAWN BY, CHECKED BY, DATE, PROJECT NUMBER. Row 1: PROJECT NUMBER 1126

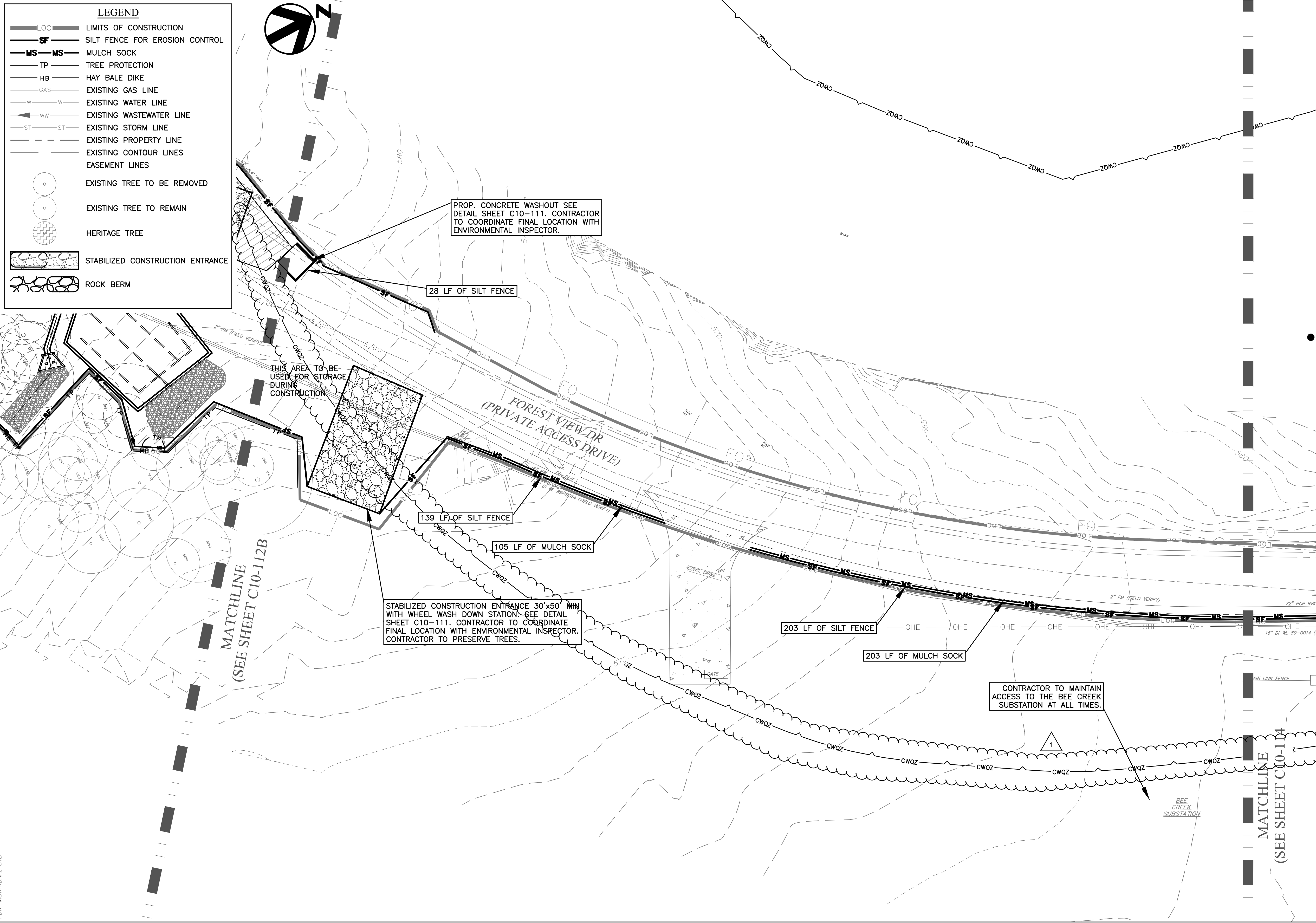


ULLRICH WTP
LOW SERVICE PUMP STATION
ELECTRICAL FEED RENEWAL

TREE PROTECTION NOTES & DETAILS (2 OF 2)

0 1" 2" FILENAME 1126ERSD02 SCALE N.T.S.

CADD FILE: \\CAS-DATASERVER\WATER\ACTIVE\_PROJECTS\COA W & WW LARGE & SMALL SCALE FACILITIES\HULLRICH\_LSPS\_SWITCHGEAR\_PROJECT\3.0\_WORK PRODUCTS\3.6\_CADD\126ERSN03\_PLOTTED-5/12/2021 11:16:09 AM BY: JANE FU CTB FILE: PLT03-MSTANDARD12B



ISSUE	DATE	DESCRIPTION
1	05/12/2021	RFI039
0	01/21/2021	CONFORMED CONTRACT DRAWINGS

PROJECT MANAGER	DESIGNED BY	TR
	DRAWN BY	JC
	CHECKED BY	JC
	DATE	
	PROJECT NUMBER	1126

FILE NUMBER	APPLICATION DATE
APPROVED BY COMMISSION ON	LINEAR SECTION
CHAPTER	OF THE CITY OF AUSTIN CODE
EXPIRATION DATE(25-5-81, LDC)	CASE MANAGER
PROJECT EXPIRATION DATE (ORD. #970905-A)	DMPZ DOZ

Director, Watershed Protection and Development Review	RELEASED FOR GENERAL COMPLIANCE	ZONING
Rev. 1	Correction 1	
Rev. 2	Correction 2	
Rev. 3	Correction 3	

Final Plot must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.

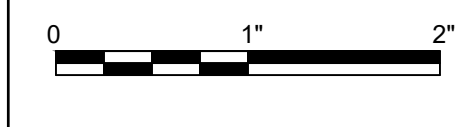


ISSUE	DATE	DESCRIPTION
1	05/12/2021	RFI039
0	01/21/2021	CONFORMED CONTRACT DRAWINGS

PROJECT MANAGER	DESIGNED BY	TR
	DRAWN BY	JC
	CHECKED BY	JC
	DATE	
	PROJECT NUMBER	1126



**ULLRICH WTP  
LOW SERVICE PUMP STATION  
ELECTRICAL FEED RENEWAL**



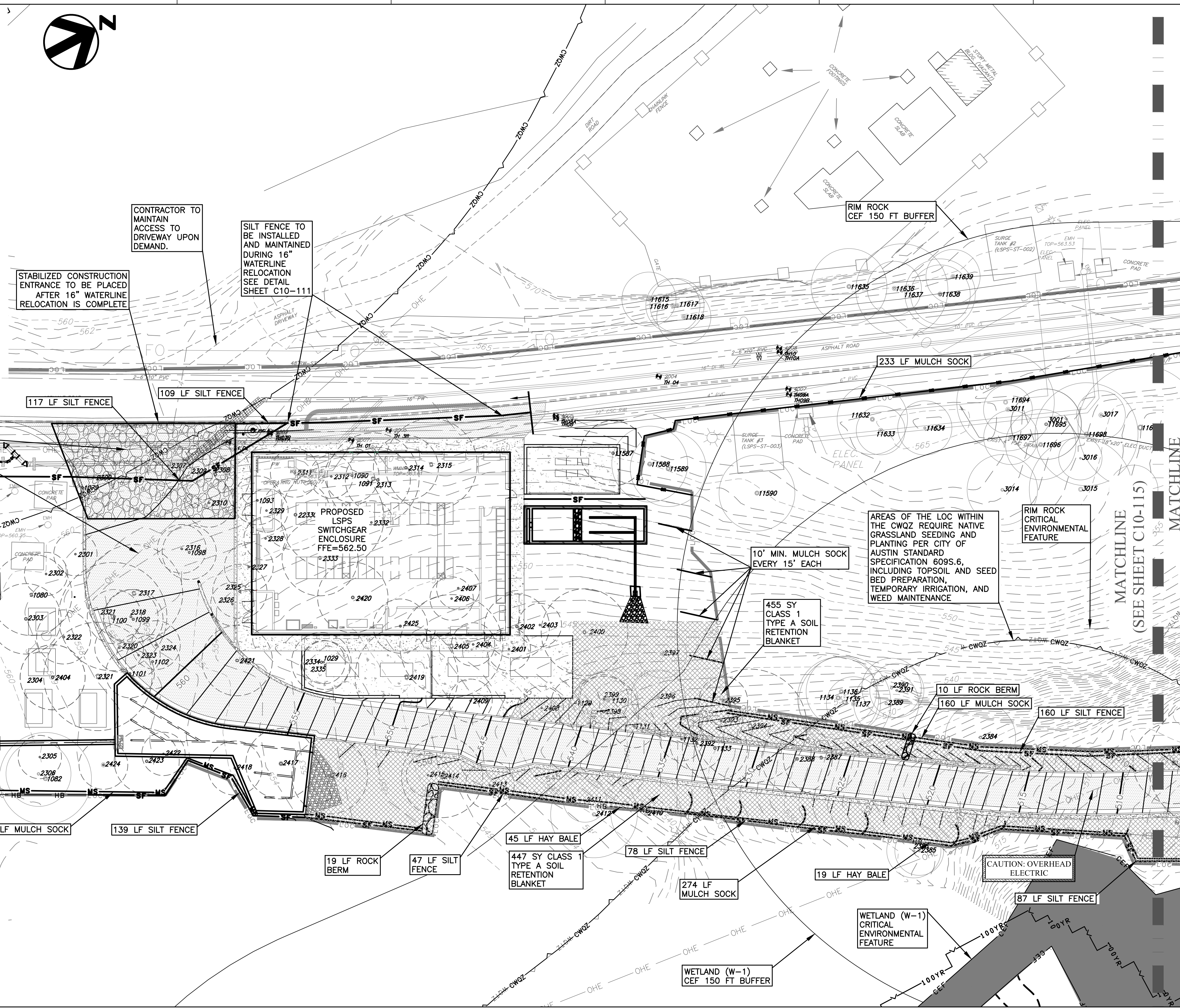
**E&S PLAN (3 OF 5)**

FILENAME 1126ERSN03  
SCALE 1" = 20'

SHEET  
**C10-113**

**LEGEND**

- LOC LIMITS OF CONSTRUCTION
- SF SILT FENCE FOR EROSION CONTROL
- MS MS MULCH SOCK
- HB HAY BALE
- TP TREE PROTECTION
- 100YR 100 YEAR FLOOD PLAIN
- WQ1Z WATER QUALITY TRANSITION ZONE
- CWQZ CRITICAL WATER QUALITY ZONE
- GAS EXISTING GAS LINE
- W EXISTING WATER LINE
- WW EXISTING WASTEWATER LINE
- WWS EXISTING WASTEWATER SERVICE LINE
- ST EXISTING STORM LINE
- EXISTING PROPERTY LINE
- EXISTING CONTOUR LINES
- EASEMENT LINES
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO REMAIN
- HERITAGE TREE
- STABILIZED CONSTRUCTION ENTRANCE
- ROCK BERM



- NOTES:**
- A TREE MITIGATION PLAN COMPLIANT WITH CHAPTER 25-8, SUBCHAPTER B, ARTICLE 1, DIVISION 2 OF THE COA LDC AND SECTION 3 OF THE COA ECM WILL BE PROVIDED BY THE PERMIT APPLICANT.
  - TREE CARE PLAN SHALL BE PREPARED BY A CERTIFIED ARBORIST. REFER TO SPECIFICATION SECTION 01595.
  - SILT FENCES SHALL INCLUDE J-HOOKS. REFER TO J-HOOK DETAIL ON SHEET C10-111. J-HOOK SPACING SHALL BE EVERY 20 FEET.
  - ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN-COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS. [LDC 25-8-183]
  - CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER ECM 1.4.5(D), OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
  - MULCH SOCK TYPE AND INSTALLATION SHALL COMPLY WITH ECM 1.4.2(G). DIAMETER OF MULCH SOCK IS 12" AND FILLER MATERIAL SHALL BE HAY.
  - IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 5 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION MATTING. [ECM 1.4.1.2(C)(2)]
  - TRENCHES WILL BE REFILLED TO NATURAL GRADE AND REVEGETATED.
  - NO MORE THAN 2000 FEET OF CONSTRUCTION ZONE SHALL BE OPEN AT ANY TIME WITH CLEAN UP AND RESTORATION WORK OCCURRING BEFORE PROCEEDING TO THE NEXT SECTION. THE CONTRACTOR IS REQUIRED TO RESTORE ALL DISTURBED AREAS AS THE WORK PROGRESSES. [ECM 1.4.1.1(E), ECM 1.4.1.2(C)(2)]
  - ALL SPOILS WILL BE CLEANED OFF OF ALL ROADS, DRIVEWAYS AND ANY OTHER IMPERVIOUS COVER LOCATED OUTSIDE THE LOC AT THE END OF EACH DAY. [ECM 1.4.1.1 (A)(B), ECM 1.4.2]
  - REVEGETATE ALL DISTURBED AREAS WITH NATIVE SEED MIX PER COA STANDARD SPECIFICATION 604S. USE DRY AREA SEED MIX INCLUDING WILDFLOWER SEED LISTED IN TABLE 4 OF 604S.
  - A PRECONSTRUCTION MEETING WITH THE ENVIRONMENTAL INSPECTOR IS REQUIRED PRIOR TO ANY SITE DISTURBANCE.
  - THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY.
  - CONTRACTOR TO INCLUDE TEMPORARY IRRIGATION FOR FINAL STABILIZATION.
  - TREE PROTECTION FENCING TO BE INSTALLED AROUND THE FULL CRZ WHERE POSSIBLE. WHERE NOT POSSIBLE, TREE PROTECTION FENCING TO BE INSTALLED AROUND THE 1/2 CRZ AND ADD 8" OF HARDWOOD MULCH FROM THE 1/2 CRZ TO THE FULL CRZ.
  - CONTRACTOR TO PLACE FENCE FOOTINGS OUTSIDE OF THE 1/4 CRZ OF ALL TREES. IF LOCATED WITHIN THE 1/2 CRZ, ENSURE CUT DEPTH IS ONLY 4" MAXIMUM.
  - 2x4x6 OR GREATER SIZE LUMBER SHALL BE STRAPPED VERTICALLY TO THE TREE AND 8" OF HARDWOOD MULCH SHALL BE APPLIED WITHIN THE FULL CRZ, WHERE PROTECT. SEE TREE MITIGATION TABLES AND TREE PROTECTION SHEETS FOR TREE PROTECTION AND REMOVAL.

SITE PLAN APPROVAL SHEET _____ OF _____	FILE NUMBER _____	APPLICATION DATE _____
APPROVED BY COMMISSION ON _____	UNDER SECTION _____	OF _____
CHAPTER _____	OF THE CITY OF AUSTIN CODE	
EXPIRATION DATE(25-5-81, LDC)	CASE MANAGER _____	
PROJECT EXPIRATION DATE (ORD. #970905-A)	DMPZ _____	DOZ _____

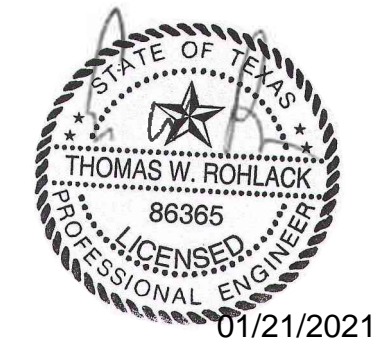
Director, Watershed Protection and Development Review	RELEASED FOR GENERAL COMPLIANCE	ZONING _____
Rev. 1 _____	Correction 1 _____	
Rev. 2 _____	Correction 2 _____	
Rev. 3 _____	Correction 3 _____	

Find Plot must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.

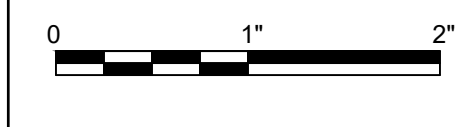


ISSUE	DATE	DESCRIPTION
0	01/21/2021	CONFORMED CONTRACT DRAWINGS

<b>PROJECT MANAGER</b>	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
DATE	
PROJECT NUMBER	1126



**ULLRICH WTP  
LOW SERVICE PUMP STATION  
ELECTRICAL FEED RENEWAL**



FILENAME 1126ERSN04  
SCALE 1" = 20'

SHEET 25 of 350  
**C10-114**

CADD FILE: \\CAS-DATASERVER\WATER\ACTIVE\_PROJECTS\COA W & WW LARGE & SMALL SCALE FACILITIES\HRYULLRICH\_LSPS\_SWITCHGEAR\_PROJECT\1-15-2021\_12:14:12 PM BY: JANE FU CTR FILE: CAS.CTB

Table 1: Tree inventory for sheet 1. Columns include Tree No., Description, Removed status, Appendix F, Appendix H, Appendix I, Appendix J, Appendix K, Appendix L, Appendix M, Appendix N, Appendix O, Appendix P, Appendix Q, Appendix R, Appendix S, Appendix T, Appendix U, Appendix V, Appendix W, Appendix X, Appendix Y, Appendix Z, Notes.

T - DENOTES HERITAGE TREES  
M - DENOTES MULTI-TRUNK TREES  
\* - DENOTES TREE TO BE TRIMMED FOR 14' CLEARANCE

SITE PLAN APPROVAL SHEET OF \_\_\_\_\_ OF \_\_\_\_\_  
FILE NUMBER: \_\_\_\_\_ APPLICATION DATE: \_\_\_\_\_  
APPROVED BY COMMISSION ON \_\_\_\_\_ UNDER SECTION \_\_\_\_\_ OF \_\_\_\_\_  
CHAPTER \_\_\_\_\_ OF THE CITY OF AUSTIN CODE.  
EXPIRATION DATE(25-5-81, LDC) \_\_\_\_\_ CASE MANAGER \_\_\_\_\_  
PROJECT EXPIRATION DATE (ORD. #970905-A) \_\_\_\_\_ DMP2 \_\_\_\_\_ D02 \_\_\_\_\_

Director, Watershed Protection and Development Review  
RELEASED FOR GENERAL COMPLIANCE: \_\_\_\_\_ ZONING: \_\_\_\_\_  
Rev. 1 \_\_\_\_\_ Correction 1 \_\_\_\_\_  
Rev. 2 \_\_\_\_\_ Correction 2 \_\_\_\_\_  
Rev. 3 \_\_\_\_\_ Correction 3 \_\_\_\_\_  
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Table 2: Tree inventory for sheet 2. Columns include Tree No., Description, Removed status, Appendix F, Appendix H, Appendix I, Appendix J, Appendix K, Appendix L, Appendix M, Appendix N, Appendix O, Appendix P, Appendix Q, Appendix R, Appendix S, Appendix T, Appendix U, Appendix V, Appendix W, Appendix X, Appendix Y, Appendix Z, Notes.

T - DENOTES HERITAGE TREES  
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SITE PLAN APPROVAL SHEET OF \_\_\_\_\_ OF \_\_\_\_\_  
FILE NUMBER: \_\_\_\_\_ APPLICATION DATE: \_\_\_\_\_  
APPROVED BY COMMISSION ON \_\_\_\_\_ UNDER SECTION \_\_\_\_\_ OF \_\_\_\_\_  
CHAPTER \_\_\_\_\_ OF THE CITY OF AUSTIN CODE.  
EXPIRATION DATE(25-5-81, LDC) \_\_\_\_\_ CASE MANAGER \_\_\_\_\_  
PROJECT EXPIRATION DATE (ORD. #970905-A) \_\_\_\_\_ DMP2 \_\_\_\_\_ D02 \_\_\_\_\_

Director, Watershed Protection and Development Review  
RELEASED FOR GENERAL COMPLIANCE: \_\_\_\_\_ ZONING: \_\_\_\_\_  
Rev. 1 \_\_\_\_\_ Correction 1 \_\_\_\_\_  
Rev. 2 \_\_\_\_\_ Correction 2 \_\_\_\_\_  
Rev. 3 \_\_\_\_\_ Correction 3 \_\_\_\_\_  
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Table 3: Tree inventory for sheet 3. Columns include Tree No., Description, Removed status, Appendix F, Appendix H, Appendix I, Appendix J, Appendix K, Appendix L, Appendix M, Appendix N, Appendix O, Appendix P, Appendix Q, Appendix R, Appendix S, Appendix T, Appendix U, Appendix V, Appendix W, Appendix X, Appendix Y, Appendix Z, Notes.

T - DENOTES HERITAGE TREES  
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SITE PLAN APPROVAL SHEET OF \_\_\_\_\_ OF \_\_\_\_\_  
FILE NUMBER: \_\_\_\_\_ APPLICATION DATE: \_\_\_\_\_  
APPROVED BY COMMISSION ON \_\_\_\_\_ UNDER SECTION \_\_\_\_\_ OF \_\_\_\_\_  
CHAPTER \_\_\_\_\_ OF THE CITY OF AUSTIN CODE.  
EXPIRATION DATE(25-5-81, LDC) \_\_\_\_\_ CASE MANAGER \_\_\_\_\_  
PROJECT EXPIRATION DATE (ORD. #970905-A) \_\_\_\_\_ DMP2 \_\_\_\_\_ D02 \_\_\_\_\_

Director, Watershed Protection and Development Review  
RELEASED FOR GENERAL COMPLIANCE: \_\_\_\_\_ ZONING: \_\_\_\_\_  
Rev. 1 \_\_\_\_\_ Correction 1 \_\_\_\_\_  
Rev. 2 \_\_\_\_\_ Correction 2 \_\_\_\_\_  
Rev. 3 \_\_\_\_\_ Correction 3 \_\_\_\_\_  
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Table 4: Tree inventory for sheet 4. Columns include Tree No., Description, Removed status, Appendix F, Appendix H, Appendix I, Appendix J, Appendix K, Appendix L, Appendix M, Appendix N, Appendix O, Appendix P, Appendix Q, Appendix R, Appendix S, Appendix T, Appendix U, Appendix V, Appendix W, Appendix X, Appendix Y, Appendix Z, Notes.

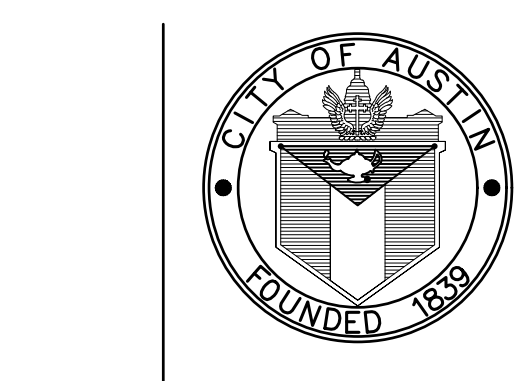
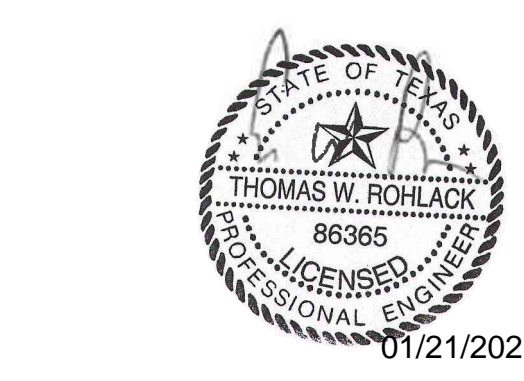
T - DENOTES HERITAGE TREES  
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SITE PLAN APPROVAL SHEET OF \_\_\_\_\_ OF \_\_\_\_\_  
FILE NUMBER: \_\_\_\_\_ APPLICATION DATE: \_\_\_\_\_  
APPROVED BY COMMISSION ON \_\_\_\_\_ UNDER SECTION \_\_\_\_\_ OF \_\_\_\_\_  
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EXPIRATION DATE(25-5-81, LDC) \_\_\_\_\_ CASE MANAGER \_\_\_\_\_  
PROJECT EXPIRATION DATE (ORD. #970905-A) \_\_\_\_\_ DMP2 \_\_\_\_\_ D02 \_\_\_\_\_

Director, Watershed Protection and Development Review  
RELEASED FOR GENERAL COMPLIANCE: \_\_\_\_\_ ZONING: \_\_\_\_\_  
Rev. 1 \_\_\_\_\_ Correction 1 \_\_\_\_\_  
Rev. 2 \_\_\_\_\_ Correction 2 \_\_\_\_\_  
Rev. 3 \_\_\_\_\_ Correction 3 \_\_\_\_\_  
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PROJECT MANAGER: DESIGNED BY, DRAWN BY, CHECKED BY, DATE, PROJECT NUMBER: 1126

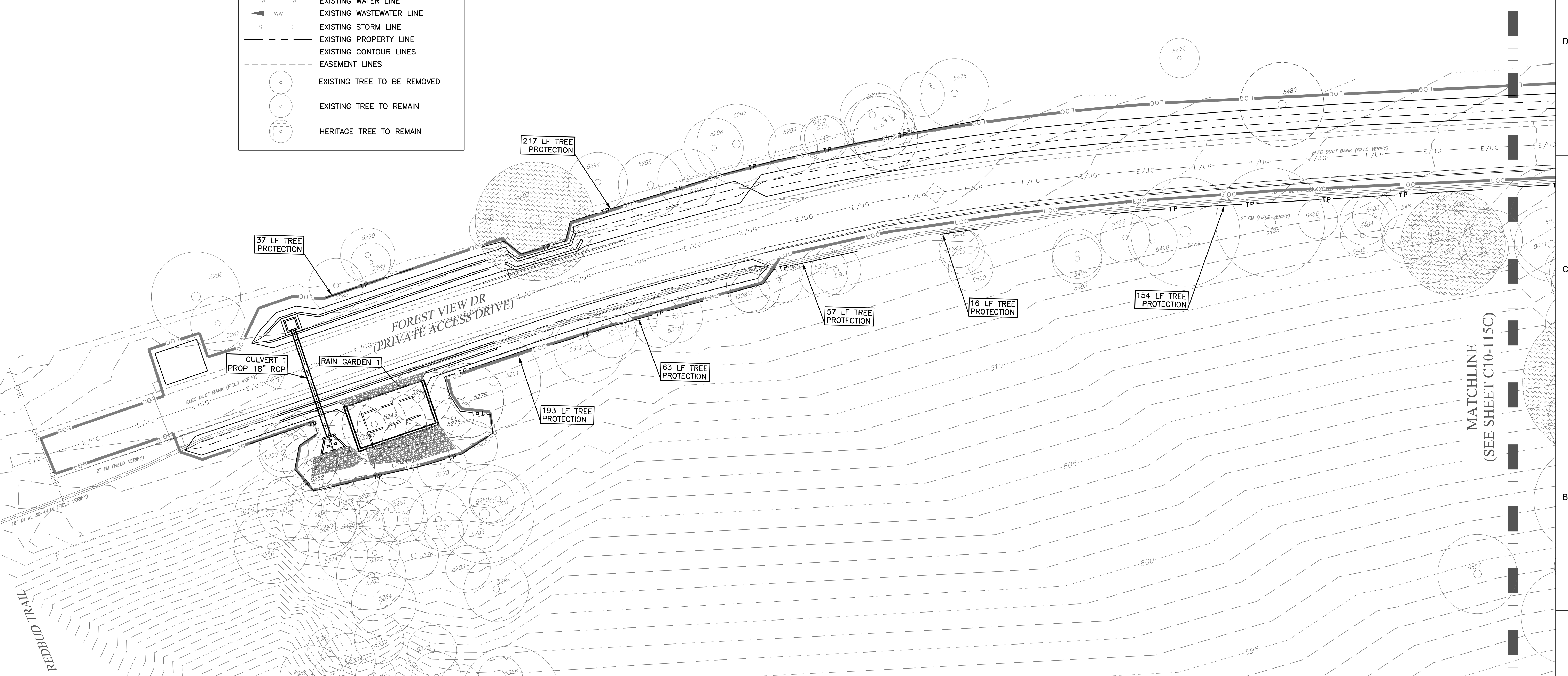


ULLRICH WTP  
LOW SERVICE PUMP STATION  
ELECTRICAL FEED RENEWAL

TREE LIST & MITIGATION TABLE. Includes categories like Heritages, Appendix F, Appendix H, Appendix I, Appendix J, Appendix K, Appendix L, Appendix M, Appendix N, Appendix O, Appendix P, Appendix Q, Appendix R, Appendix S, Appendix T, Appendix U, Appendix V, Appendix W, Appendix X, Appendix Y, Appendix Z. Includes a scale bar and sheet information.

CADD FILE: \\CAS-DATASERVER\WATER\ACTIVE PROJECTS\COA W & WW LARGE & SMALL SCALE FACILITIES\HULLRICH\_LSPS\_SWITCHGEAR\_PROJECT\3.0\_WORK PRODUCTS\3.6\_CAD\1126TREE01\_PLOTTED: 1/15/2021 4:04:41 PM BY: JANE FU CTR FILE: PLOR-INSTANT\A01126

LEGEND	
	LOC LIMITS OF CONSTRUCTION
	TP TREE PROTECTION
	GAS EXISTING GAS LINE
	W EXISTING WATER LINE
	WW EXISTING WASTEWATER LINE
	ST EXISTING STORM LINE
	EXISTING PROPERTY LINE
	EXISTING CONTOUR LINES
	EASEMENT LINES
	EXISTING TREE TO BE REMOVED
	EXISTING TREE TO REMAIN
	HERITAGE TREE TO REMAIN



- NOTES:**
- A TREE MITIGATION PLAN COMPLIANT WITH CHAPTER 25-8, SUBCHAPTER B, ARTICLE 1, DIVISION 2 OF THE COA LDC AND SECTION 3 OF THE COA ECM WILL BE PROVIDED BY THE PERMIT APPLICANT.
  - TREE CARE PLAN SHALL BE PREPARED BY A CERTIFIED ARBORIST. REFER TO SPECIFICATION SECTION 01595.
  - REVEGETATE ALL DISTURBED AREAS WITH NATIVE SEED MIX PER COA STANDARD SPECIFICATION 604S. USE DRY AREA SEED MIX INCLUDING WILDFLOWER SEED LISTED IN TABLE 4 OF 604S.

- A PRECONSTRUCTION MEETING WITH THE ENVIRONMENTAL INSPECTOR IS REQUIRED PRIOR TO ANY SITE DISTURBANCE.
- CONTRACTOR TO INCLUDE TEMPORARY IRRIGATION FOR FINAL STABILIZATION.
- TREE PROTECTION FENCING TO BE INSTALLED AROUND THE FULL CRZ WHERE POSSIBLE. WHERE NOT POSSIBLE, TREE PROTECTION FENCING TO BE INSTALLED AROUND THE 1/2 CRZ AND ADD 8" OF HARDWOOD MULCH FROM THE 1/2 CRZ TO THE FULL CRZ.

- CONTRACTOR TO PLACE FENCE FOOTINGS OUTSIDE OF THE 1/4 CRZ OF ALL TREES. IF LOCATED WITHIN THE 1/2 CRZ, ENSURE CUT DEPTH IS ONLY 4" MAXIMUM.
- 2x4x6 OR GREATER SIZE LUMBER SHALL BE STRAPPED VERTICALLY TO THE TREE AND 8" OF HARDWOOD MULCH SHALL BE APPLIED WITHIN THE FULL CRZ, WHERE POSSIBLE. SEE TREE MITIGATION TABLES AND TREE PROTECTION SHEETS FOR TREE PROTECTION AND REMOVAL.
- PRIOR TO FINAL STABILIZATION OF

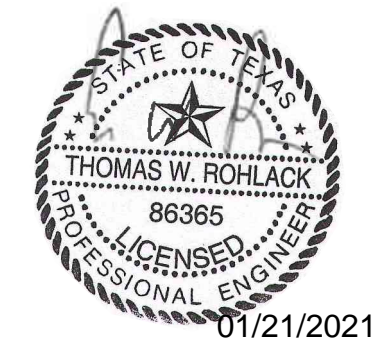
DISTURBED AREAS CONTRACTOR SHALL DECOMPACT SOIL USING FULL AFM WITHIN THE CRITICAL ROOT ZONES OF TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION, AND OUTSIDE OF WETLANDS.

SITE PLAN APPROVAL SHEET _____ OF _____	
FILE NUMBER _____	APPLICATION DATE _____
APPROVED BY COMMISSION ON _____	LINEAR SECTION _____ OF _____
CHAPTER _____ OF THE CITY OF AUSTIN CODE.	
EXPIRATION DATE(25-5-81, LDC), _____	CASE MANAGER _____
PROJECT EXPIRATION DATE (ORD. #970905-A) _____	DMPZ DOZ _____
Director, Watershed Protection and Development Review	
RELEASED FOR GENERAL COMPLIANCE _____ ZONING _____	
Rev. 1 _____	Correction 1 _____
Rev. 2 _____	Correction 2 _____
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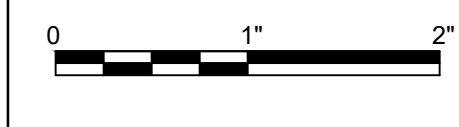


ISSUE	DATE	DESCRIPTION
0	01/21/2021	CONFORMED CONTRACT DRAWINGS

PROJECT MANAGER	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
DATE	
PROJECT NUMBER	1126



ULLRICH WTP  
LOW SERVICE PUMP STATION  
ELECTRICAL FEED RENEWAL



FILENAME 1126TREE01  
SCALE 1" = 20'

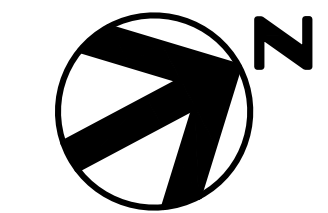
SHEET 28 of 350  
**C10-115B**

CADD FILE: \\CAS-DATASERVER\WATER\ACTIVE PROJECTS\COA W & WW LARGE & SMALL SCALE FACILITIES\HULLRICH\SPS\_SWITCHGEAR\_PROJECT\3.6 CAD\1126TREE02\_PLOTTED: 5/14/2021 10:19:27 AM BY: JANE FU\_CTB FILE: P:\INSTANT\1126

**NOTES:**

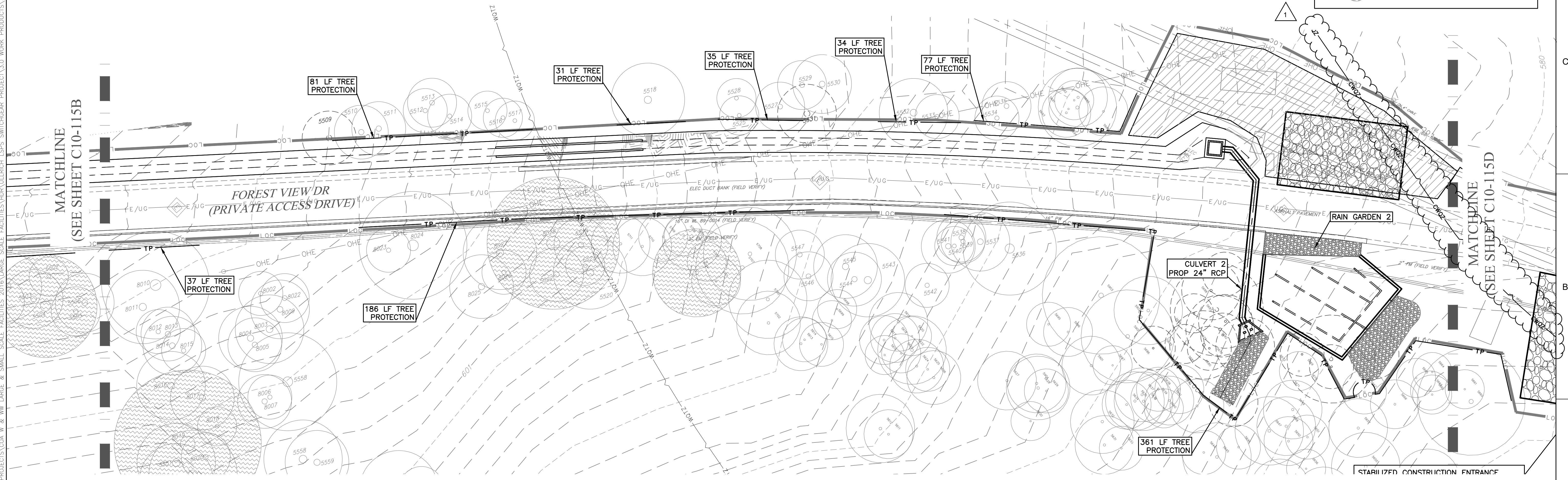
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2. TREE CARE PLAN SHALL BE PREPARED BY A CERTIFIED ARBORIST. REFER TO SPECIFICATION SECTION 01595.
3. REVEGETATE ALL DISTURBED AREAS WITH NATIVE SEED MIX PER COA STANDARD SPECIFICATION 604S. USE DRY AREA SEED MIX INCLUDING WILDFLOWER SEED LISTED IN TABLE 4 OF 604S.
4. A PRECONSTRUCTION MEETING WITH THE ENVIRONMENTAL INSPECTOR IS REQUIRED PRIOR TO ANY SITE DISTURBANCE.
5. CONTRACTOR TO INCLUDE TEMPORARY IRRIGATION FOR FINAL STABILIZATION.
6. TREE PROTECTION FENCING TO BE INSTALLED AROUND THE FULL CRZ WHERE POSSIBLE. WHERE NOT POSSIBLE, TREE PROTECTION FENCING TO BE INSTALLED AROUND THE 1/2 CRZ AND ADD 8" OF HARDWOOD MULCH FROM THE 1/2 CRZ TO THE FULL CRZ.
7. CONTRACTOR TO PLACE FENCE FOOTINGS OUTSIDE OF THE 1/4 CRZ OF ALL TREES. IF LOCATED WITHIN THE 1/2 CRZ, ENSURE CUT DEPTH IS ONLY 4" MAXIMUM.
8. 2x4x6 OR GREATER SIZE LUMBER SHALL BE STRAPPED VERTICALLY TO THE TREE AND 8" OF HARDWOOD MULCH SHALL BE APPLIED WITHIN THE FULL CRZ, WHERE POSSIBLE. SEE TREE MITIGATION TABLES AND TREE PROTECTION SHEETS FOR TREE PROTECTION AND REMOVAL.
9. PRIOR TO FINAL STABILIZATION OF

DISTURBED AREAS CONTRACTOR SHALL DECOMPACT SOIL USING FULL AFM WITHIN THE CRITICAL ROOT ZONES OF TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION, AND OUTSIDE OF WETLANDS.



**LEGEND**

- LOC LIMITS OF CONSTRUCTION
- TP TREE PROTECTION
- GAS EXISTING GAS LINE
- W-W EXISTING WATER LINE
- WW EXISTING WASTEWATER LINE
- ST-ST EXISTING STORM LINE
- EXISTING PROPERTY LINE
- EXISTING CONTOUR LINES
- - - EASEMENT LINES
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO REMAIN
- HERITAGE TREE TO REMAIN



SITE PLAN APPROVAL SHEET \_\_\_\_\_ OF \_\_\_\_\_  
 FILE NUMBER \_\_\_\_\_ APPLICATION DATE: \_\_\_\_\_  
 APPROVED BY COMMISSION ON \_\_\_\_\_ UNDER SECTION \_\_\_\_\_ OF  
 CHAPTER \_\_\_\_\_ OF THE CITY OF AUSTIN CODE.  
 EXPIRATION DATE(25-5-81, LDC) \_\_\_\_\_ CASE MANAGER \_\_\_\_\_  
 PROJECT EXPIRATION DATE (ORD. #970905-A) \_\_\_\_\_ DMPZ \_\_\_\_\_ DOZ \_\_\_\_\_

Director, Watershed Protection and Development Review  
 RELEASED FOR GENERAL COMPLIANCE. ZONING: \_\_\_\_\_  
 Rev. 1 \_\_\_\_\_ Correction 1 \_\_\_\_\_  
 Rev. 2 \_\_\_\_\_ Correction 2 \_\_\_\_\_  
 Rev. 3 \_\_\_\_\_ Correction 3 \_\_\_\_\_  
 Final Plot must be recorded by the Project Expiration Date, if applicable.  
 Subsequent Site Plans which do not comply with the Code current at the  
 time of filing, and all required Building Permits and/or a notice of  
 construction (if a building permit is not required), must also be approved  
 prior to the Project Expiration Date.



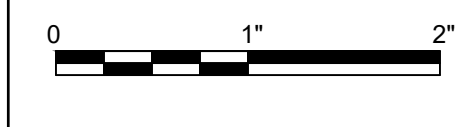
ISSUE	DATE	DESCRIPTION
1	05/12/2021	RFI039
0	01/21/2021	CONFORMED CONTRACT DRAWINGS

**PROJECT MANAGER**

DESIGNED BY	TR
DRAWN BY	JC
CHECKED BY	JC
DATE	
PROJECT NUMBER	1126



**ULLRICH WTP  
 LOW SERVICE PUMP STATION  
 ELECTRICAL FEED RENEWAL**



FILENAME 1126TREE02  
 SCALE 1" = 20'

SHEET  
**C10-115C**

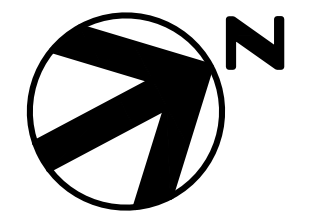
CADD FILE: \\CAS-DATASERVER\WATER\ACTIVE PROJECTS\COA W & WW LARGE & SMALL SCALE FACILITIES\HULLRICH\SPS SWITCHGEAR PROJECT\3.0 WORK PRODUCTS\3.6 CAD\1126TREE03.PLOTTED: 5/12/2021 11:18:48 AM BY: JANE FU\_CTB FILE:

- NOTES:**
1. A TREE MITIGATION PLAN COMPLIANT WITH CHAPTER 25-8, SUBCHAPTER B, ARTICLE 1, DIVISION 2 OF THE COA LDC AND SECTION 3 OF THE COA ECM WILL BE PROVIDED BY THE PERMIT APPLICANT.
  2. TREE CARE PLAN SHALL BE PREPARED BY A CERTIFIED ARBORIST. REFER TO SPECIFICATION SECTION 01595.
  3. REVEGETATE ALL DISTURBED AREAS WITH NATIVE SEED MIX PER COA STANDARD SPECIFICATION 604S. USE DRY AREA SEED MIX INCLUDING WILDFLOWER SEED LISTED IN TABLE 4 OF 604S.

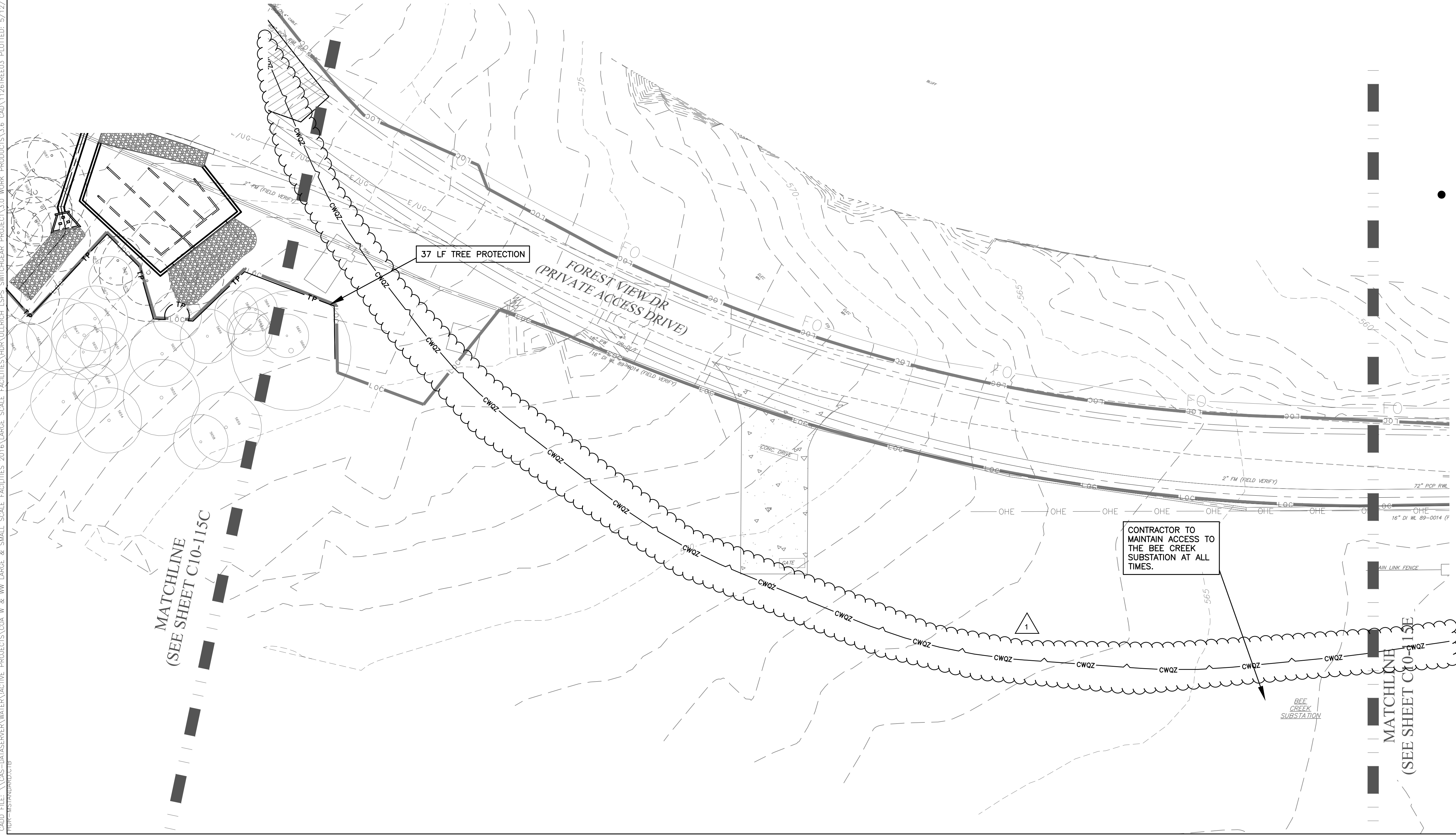
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	EXISTING CONTOUR LINES
	EASEMENT LINES
	EXISTING TREE TO BE REMOVED
	EXISTING TREE TO REMAIN
	HERITAGE TREE TO REMAIN



MATCHLINE  
(SEE SHEET C10-115C)

MATCHLINE  
(SEE SHEET C10-115E)

SITE PLAN APPROVAL SHEET _____ OF _____	
FILE NUMBER _____	APPLICATION DATE: _____
APPROVED BY COMMISSION ON _____	UNDER SECTION _____ OF
CHAPTER _____	OF THE CITY OF AUSTIN CODE.
EXPIRATION DATE(25-5-81, LDC) _____	CASE MANAGER _____
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Director, Watershed Protection and Development Review	
RELEASED FOR GENERAL COMPLIANCE _____ ZONING _____	
Rev. 1 _____	Correction 1 _____
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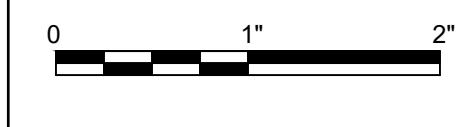


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0	01/21/2021	CONFORMED CONTRACT DRAWINGS

PROJECT MANAGER	
DESIGNED BY	TR
DRAWN BY	JC
CHECKED BY	JC
DATE	
PROJECT NUMBER	1126



**ULLRICH WTP  
LOW SERVICE PUMP STATION  
ELECTRICAL FEED RENEWAL**



FILENAME 1126TREE03  
SCALE 1" = 20'

SHEET  
**C10-115D**