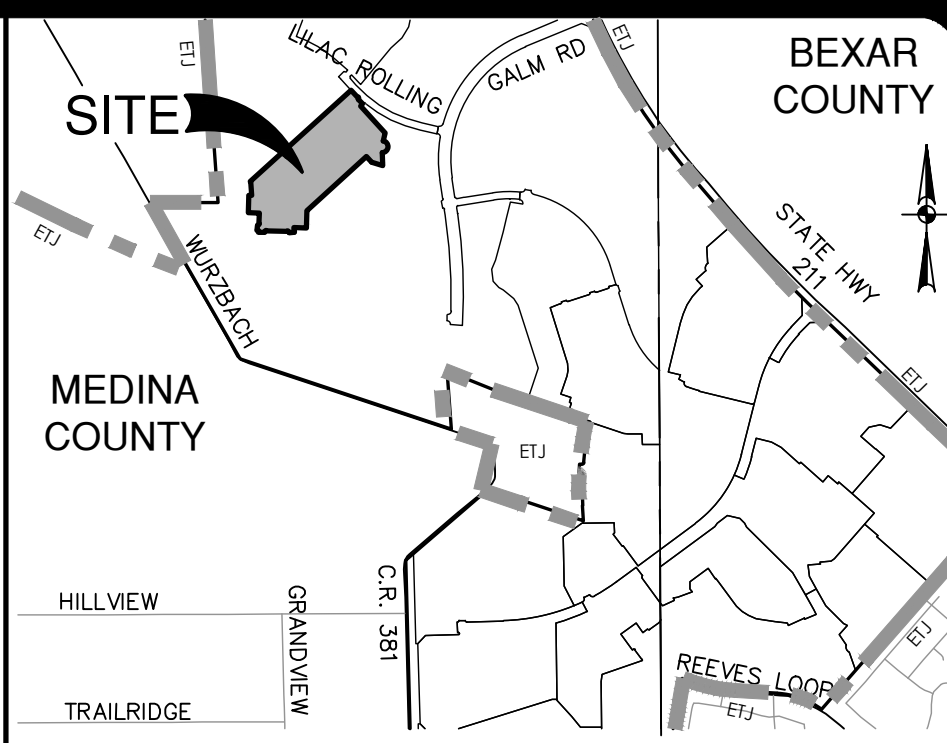
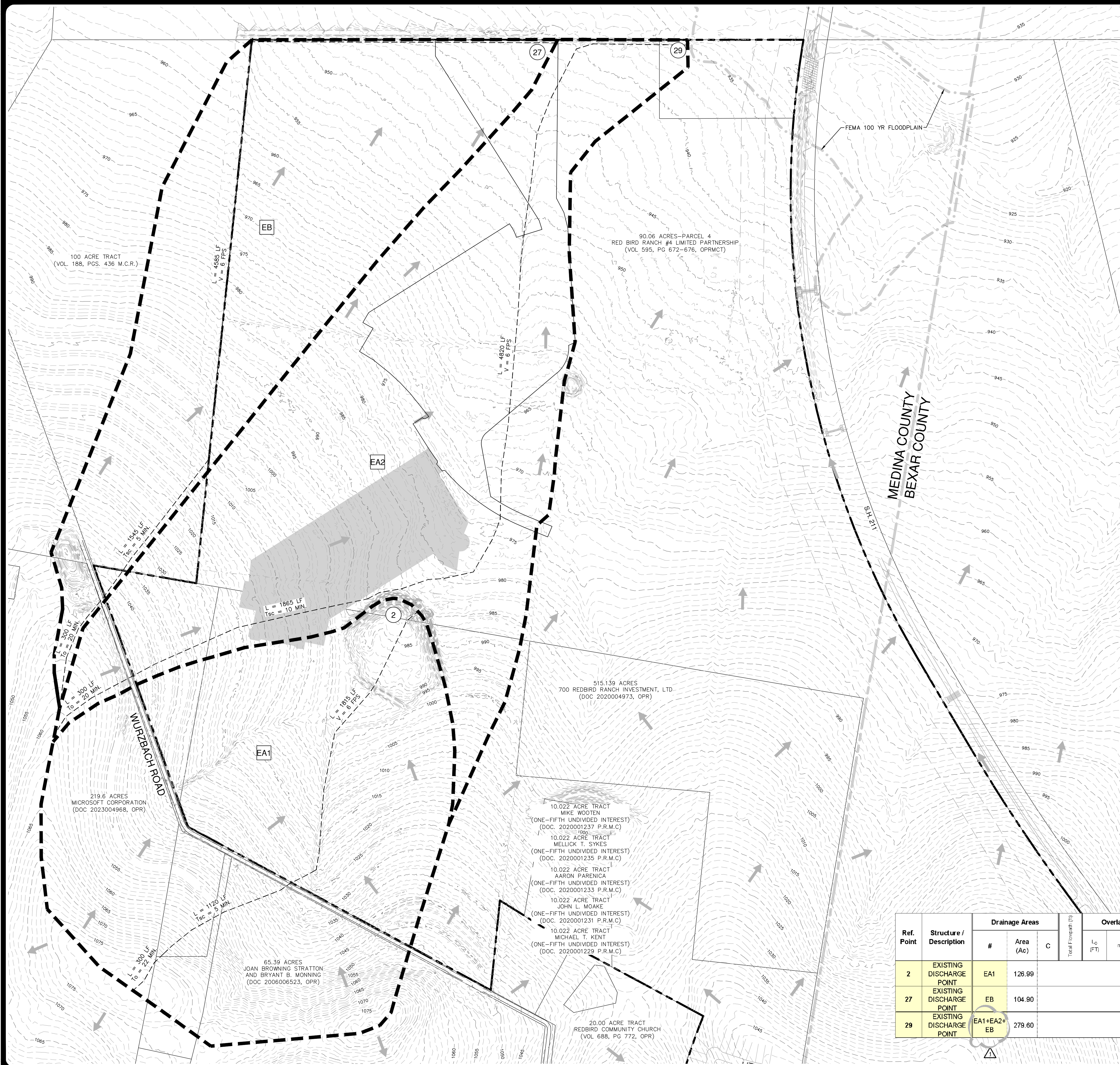


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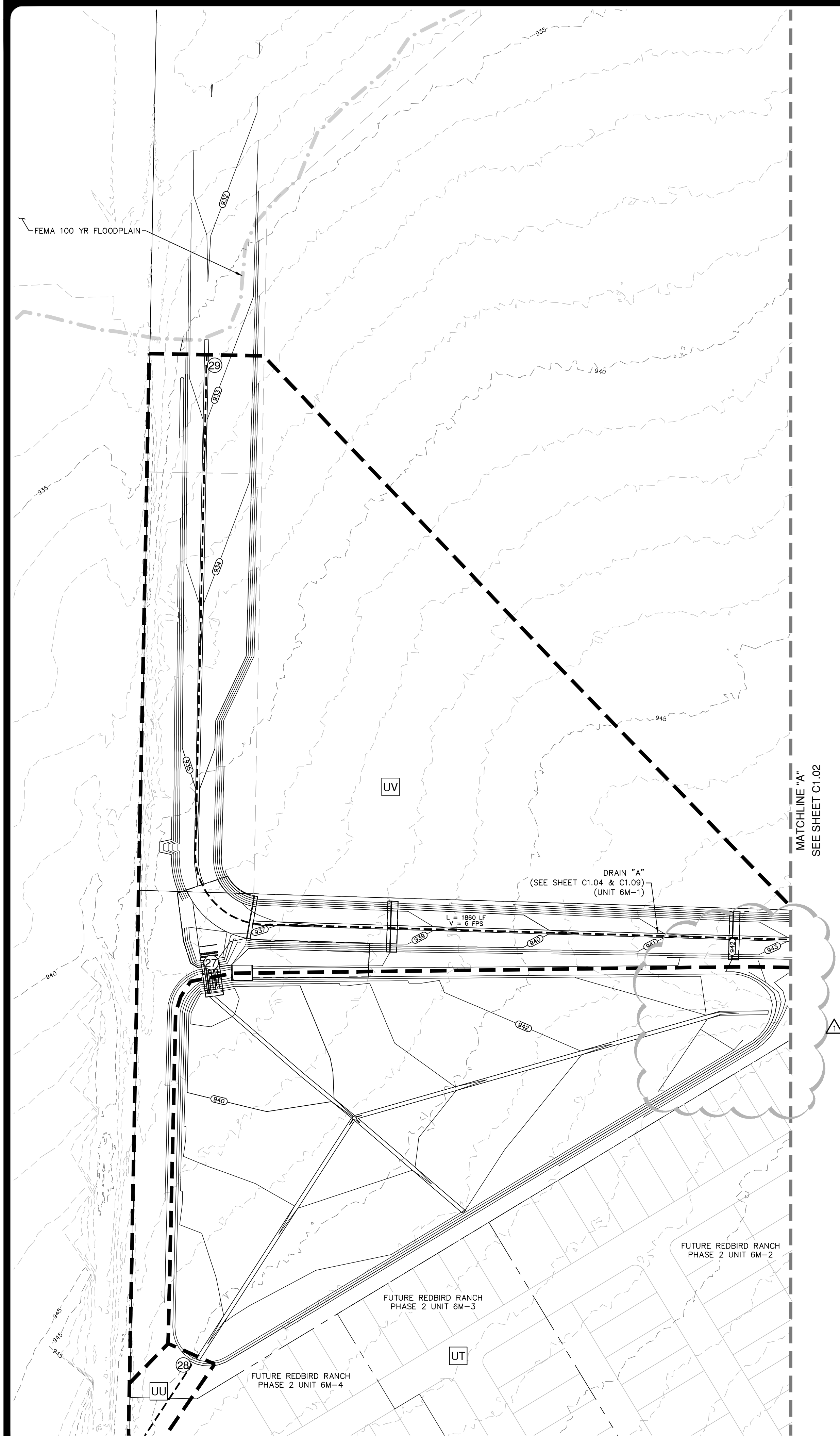
MASTER DRAINAGE LEGEND	
PROJECT LIMITS	690'
EXISTING CONTOUR	
100 YR FLOODPLAIN	
RUNOFF FLOW PATH	
DRAINAGE AREA BOUNDARY	
FHA LOT GRADING TYPE	A,B,C
PROPOSED DIRECTION OF FLOW	11
DRAINAGE CALCULATION POINT	A
DRAINAGE AREA	

Ref. Point	Structure / Description	Drainage Areas			Total Forepath (ft)	Overland/Sheet Flow (TR-55)					Shallow Concentrated Flow - 1**				Channelized Flow**				T _{c,TOT}	Rational Method Q=CIA IDF Curve: CoSA_A14_P43		
		#	Area (Ac)	C		L _O (FT)	n	P ₂	S _O (ft/ft)	T _O * (MIN)	L _{sc} (FT)	Condition**	Slope (ft/ft)	V _{sc} (FPS)	T _{sc} ** (MIN)	L _{ch} (FT)	V _{ch} (FPS)	T _{ch} ** (MIN)		Return Year	Intensity (in/hr)	Q (cfs)
2	EXISTING DISCHARGE POINT	EA1	126.99		HYDROLOGY PER HEC-HMS																	
27	EXISTING DISCHARGE POINT	EB	104.90		HYDROLOGY PER HEC-HMS																	
29	EXISTING DISCHARGE POINT	EA1+EA2+EB	279.60		HYDROLOGY PER HEC-HMS																	

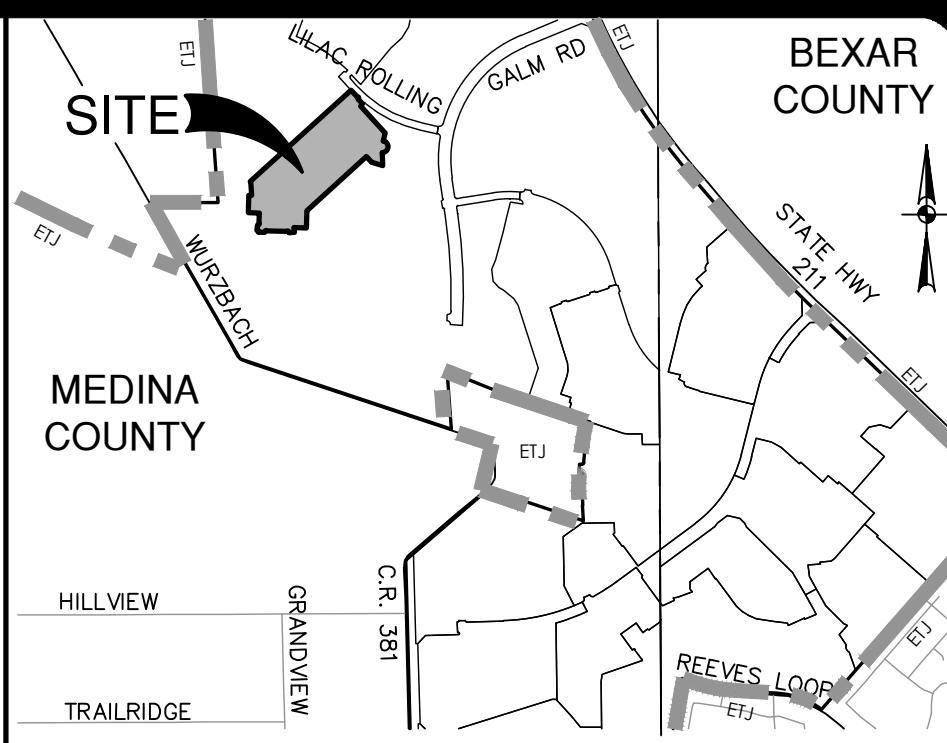
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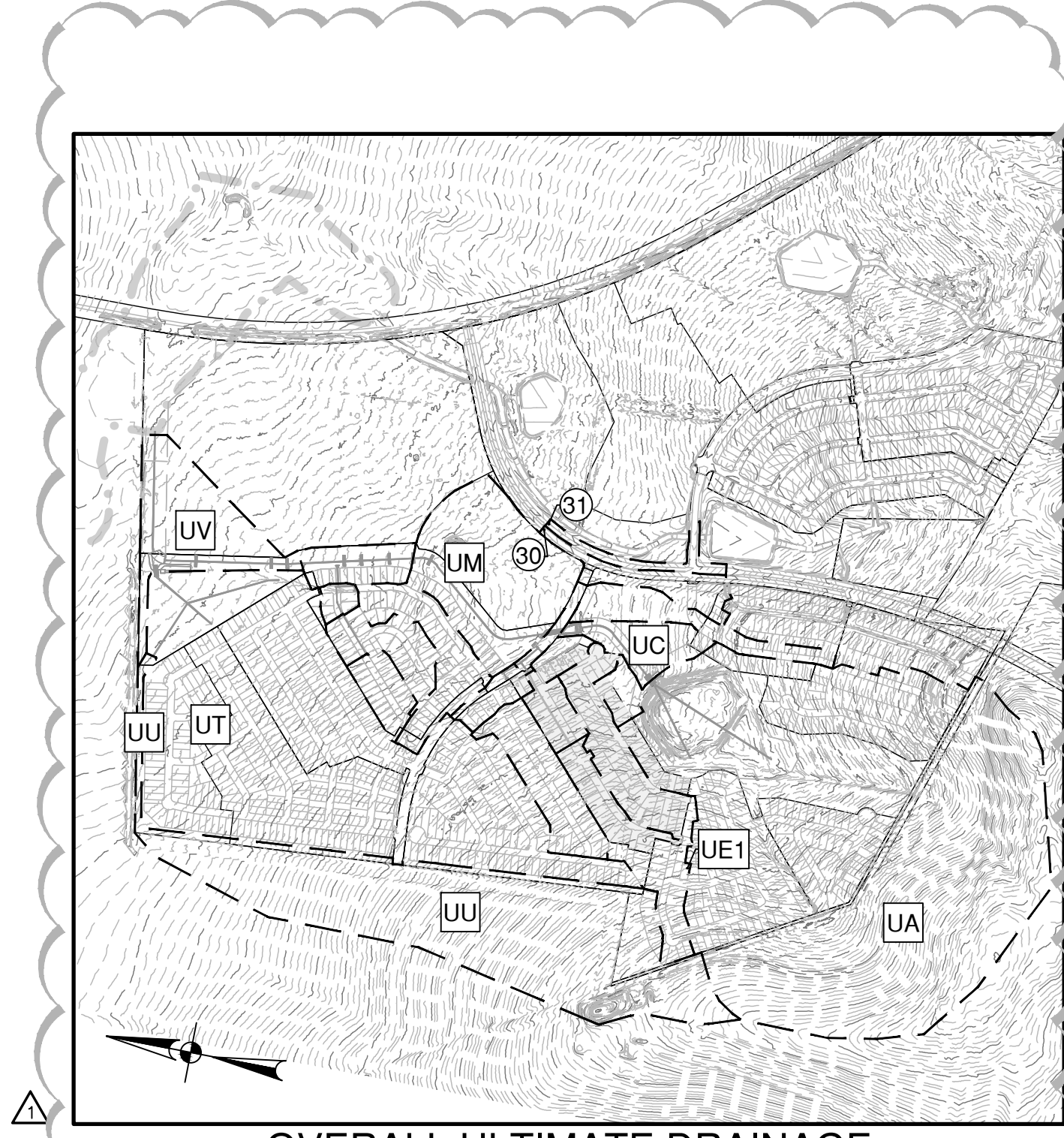
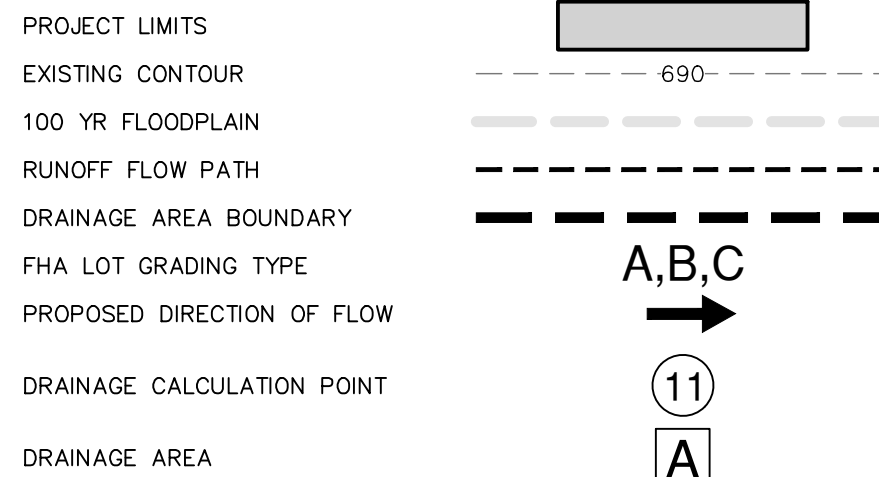
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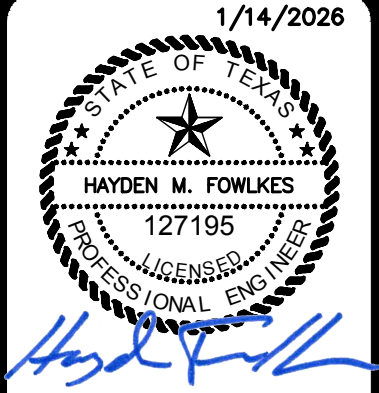
Ref. Point	Structure / Description	Drainage Areas			Total Flowrate (cfs)	Overland/Sheet Flow (TR-55)			Shallow Concentrated Flow - 1"					Channelized Flow**			T _c (min)	Rational Method Q=CIA			Curb Inlet					
						IDF Curve: C08A A14 P43																				
		#	Area (Ac)	C		L _o (ft)	S _o (ft)	T _s (min)	L _{so} (ft)	Confinement	Shoe (ft)	V _{so} (FPS)	T _{so} (min)	L _{so} (ft)	V _{so} (FPS)	T _{so} (min)		Return Year	Intensity (in/hr)	Q (cfs)	Q Total (cfs)	Q Intercept (cfs)	Q Bypass (cfs)			
1	DETENTION BASIN 2 UNIT 8M-1	UA	137.58		HYDROLOGY PER HEC-HMS																5	-	181	181	-	-
																25	-	360	360	-	-					
																100	-	547	547	-	-					
2	DRAIN B SIDEWALK BOX UNIT 8M-1	UB	9.94	0.74	1,795	245	0.0200	18	-	-	-	-	1,550	6.0	4.3	22	5	4.33	30	-	-					
																22	25	5.95	42	42	-					
																22	100	7.41	52	52	-					
3	DRAIN A EARTHEN CHANNEL UNIT 8M-1	UA + UB + UC + UC1 + UC2 + UZ	188.31		HYDROLOGY PER HEC-HMS																5	-	280	280	-	-
																25	-	478	478	-	-					
																100	-	725	725	-	-					
4	DRAIN C SUMP INLETS UNIT 8M-1	UD + UE2 (BYPASS)	1.21	0.80	575	15	0.0200	5	-	-	-	-	560	6.0	1.6	6	5	7.45	8	12	-					
																6	25	10.43	11	22	-					
																8	100	13.03	14	33	-					
5A	DRAIN C ON-GRADE INLETS UNIT 8M-1	UE1	9.70	0.80	1,290	265	0.0200	19	-	-	-	-	1,025	6.0	2.8	21	5	4.43	34	34	21	13				
																21	25	6.12	47	47	26	21				
																21	100	7.59	59	53	28	20				
5B	DRAIN C ON-GRADE INLETS UNIT 8M-1	UE2 + UE1 (BYPASS)	3.09	0.80	1,865	265	0.0200	19	-	-	-	-	1,600	6.0	4.4	23	5	4.23	10	23	18	4				
																23	25	5.84	14	35	24	11				
																23	100	7.24	108	48	28	19				
5C	DRAIN C PIPE FLOW UNIT 8M-1	UK + UE1 (INTERCEPT) + UE2 (INTERCEPT)	8.51	0.80	1,865	265	0.0200	19	-	-	-	-	1,600	6.0	4.4	23	5	4.23	29	89	-	-				
																23	25	5.84	40	90	-	-				
																23	100	7.24	49	107	-	-				
6	DRAIN C1 UNIT 8M-1	UK + UL + UE1 + UE2 + UD	25.12	0.80	1,535	265	0.0200	19	-	-	-	-	1,270	6.0	3.5	22	5	4.33	87	87	-	-				
																22	25	5.98	120	120	-	-				
																22	100	7.41	149	149	-	-				
13	FUTURE SUMP INLET	UK	8.51	0.80	1,185	285	0.0200	20	-	-	-	-	900	6.0	2.5	22	5	4.33	29	29	-	-				
																22	25	5.98	41	41	-	-				
																22	100	7.41	50	50	-	-				
14	DRAIN C1 SUMP INLETS UNIT 8M-1	UL	2.51	0.80	595	160	0.0200	12	-	-	-	-	435	6.0	1.2	13	5	5.85	11	11	-	-				
																13	25	7.89	15	16	-	-				
																13	100	9.85	20	20	-	-				
19	DRAIN A EARTHEN CHANNEL UNIT 8M-1	UA + UB + UC + UC1 + UC2 + UD + UE1 + UE2 + UK + UL + UM + UZ	210.58		HYDROLOGY PER HEC-HMS																5	-	347	347	-	-
																25	-	551	551	-	-					
																100	-	826	826	-	-					
20	DRAIN B1 ON-GRADE INLETS UNIT 8M-1	UN	8.60	0.80	1,925	160	0.0200	12	-	-	-	-	1,765	6.0	4.9	18	5	5.10	35	35	25	10				
																18	25	7.07	43	43	31	18				
																15	100	8.78	60	60	34	26				
21	DRAIN B2 ON-GRADE INLETS UNIT 8M-1	UD	3.52	0.80	660	140	0.0200	11	-	-	-	-	520	6.0	1.4	12	5	5.95	17	17	14	3				
																12	25	8.19	23	23	17	8				
																12	100	10.24	29	29	20	9				
22	DRAIN B3 ON-GRADE INLETS UNIT 8M-1	UP + UD (BYPASS)	5.82	0.80	1,060	140	0.0200	11	-	-	-	-	920	6.0	2.8	13	5	5.66	26	29	23	6				
																13	25	7.89	37	43	30	13				
																13	100	9.86	46	55	36	20				
23	DRAIN B1 SUMP INLET UNIT 8M-1	UK + UN (BYPASS) + UP (BYPASS)	1.30	0.80	320	135	0.0200	11	-	-	-	-	185	6.0	0.5	11	5	6.08	6	22	-	-				
																11	25	8.50	9	40	-	-				
																11	100	10.60	11	57	-	-				
24	DRAIN B1 OUTFALL UNIT 8M-1	UN + UD + UP + UQ	19.24	0.80	2,080	160	0.0200	12	-	-	-	-	1,920	6.0	5.3	17	5	4.94	76	76	-	-				
																17	25	8.84	105	105	-	-				
																17	100	8.50	131	131	-	-				
25	DRAIN A EARTHEN CHANNEL 8M-1	UA + UB + UC + UC1 + UC2 + UD + UE1 + UE2 + UK + UL + UM + UN + UO + UP + UQ + UR + UZ	234.48		HYDROLOGY PER HEC-HMS																5	-	398	398	-	-
																25	-	620	620	-	-					
																100	-	903	903	-	-					
27	BASIN 1 OUTFALL UNIT 8M-1	UU + UT	145.05		HYDROLOGY PER HEC-HMS																5	-	175	175	-	-
																25	-	431	431	-	-					
																100	-	687	687	-	-					
28	FUTURE INTERCEPTOR CHANNEL	UU	55.52	0.70	6,045	300	0.0190	20	305	U	0.03	2.8	1.8	5,440	6.0	36	5	3.26	133	133	-	-				
																36	25	4.64	184	184	-	-				
																38	100	5.74	227	227	-	-				
29	DOWNSTREAM CALCULATION POINT	UA + UB + UC + UC1 + UC2 + UD + UE1 + UE2 + UK + UL + UM + UN + UO + UP + UQ + UR + UT + UU + UV + UZ	394.25		HYDROLOGY PER HEC-HMS																5	-	534	534	-	-
																25	-	1,045	1,045	-	-					
																100	-	1,620	1,620	-	-					
30	ON-GRADE INLET GALM RD PHASE 4	UW	5.00	0.69	1,445	300	0.0200	20	-	-	-	-	1,145	6.0	3.2	23	5	4.23	15	18	15	3				
																23	25	5.54	20	27	19	8				
																23	100	7.25	25	39	24	15				
31	DRAIN C ON-GRADE INLET GALM RD PHASE 4	UX	2.41	0.69	1,321	29	0.0200	5	-	-	-	-	1,290	6.0	3.6	8	5	9.81	11	11	10	1				
																8	25	9.54	19	18	14	2				
																8	100	11.97	20	21	16	5				
34	DRAIN A INTERCEPTOR CHANNEL UNIT 8M-1	UZ	2.12	0.74	575	300	0.0200	20	-	-	-	-	275	6.0	0.8	20	5	4.54	7	7	-	-				
																20	25	6.28	10	10	-	-				
																20	100	7.79	12	12	-	-				
35	DRAIN E UNIT 8M-1	UC1	6.72	0.61	1,915	65	0.0200	6	-	-	-	-	1,850	6.0	5.1	11	5	9.08	25	25	-	-				
																11	25	8.50	35	35	-	-				
																11	100	10.64	44	44	-	-				
36	DRAIN F UNIT 8M-1	UC2	1.84	0.68	410	140	0.0200	11	-	-	-	-	270	6.0	0.8	11	5	9.08	7	7	-	-				
																11	25	8.50	10	10	-	-				
																11	100	10.64	13	13	-	-				



MASTER DRAINAGE LEGEND



NO.	REVISION	DATE
1	SURFACE UPDATED.	1/14/26



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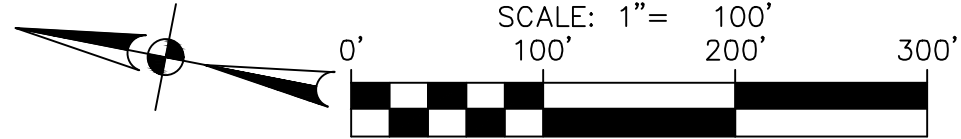
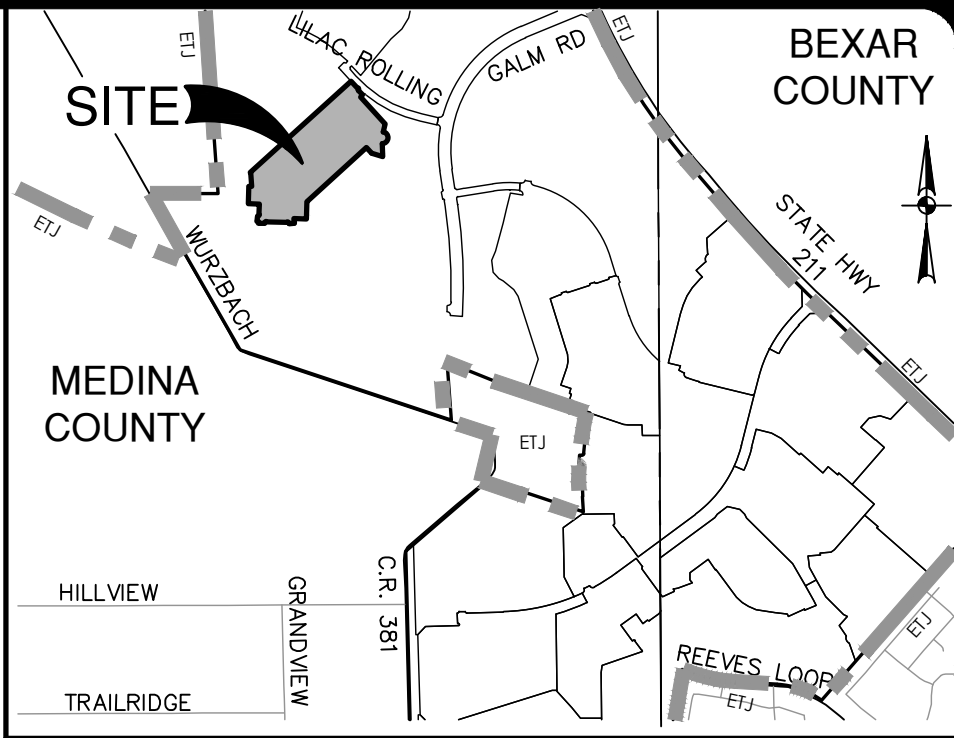
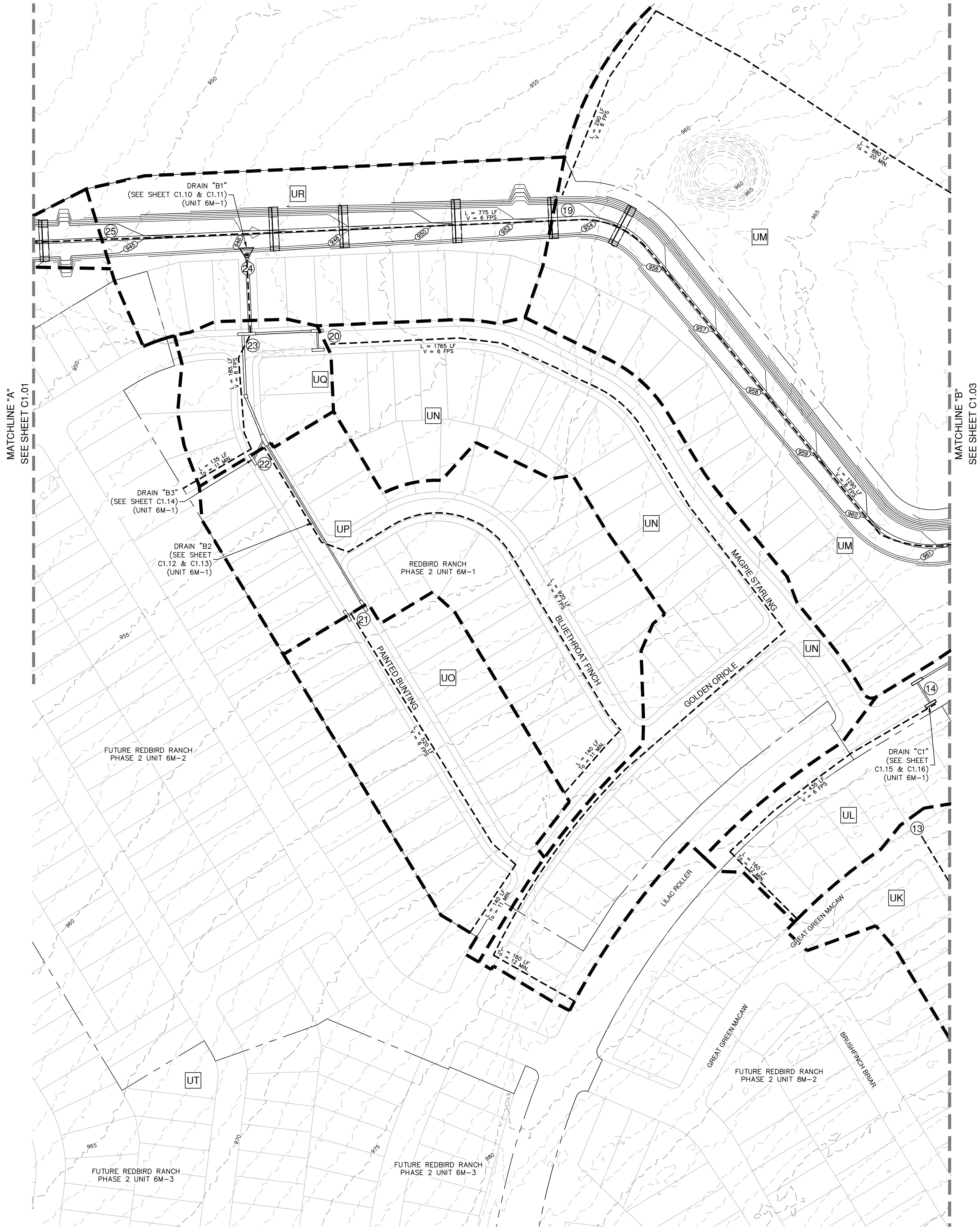
REDBIRD RANCH PHASE 2 UNIT 8M-1
MEDINA COUNTY, TEXAS
MASTER DRAINAGE PLAN - ULTIMATE CONDITIONS

PLAT NO.	
JOB NO.	30004-37
DATE	DECEMBER 2025
DESIGNER	GC
CHECKED	DRAWN CA
SHEET	C1.01

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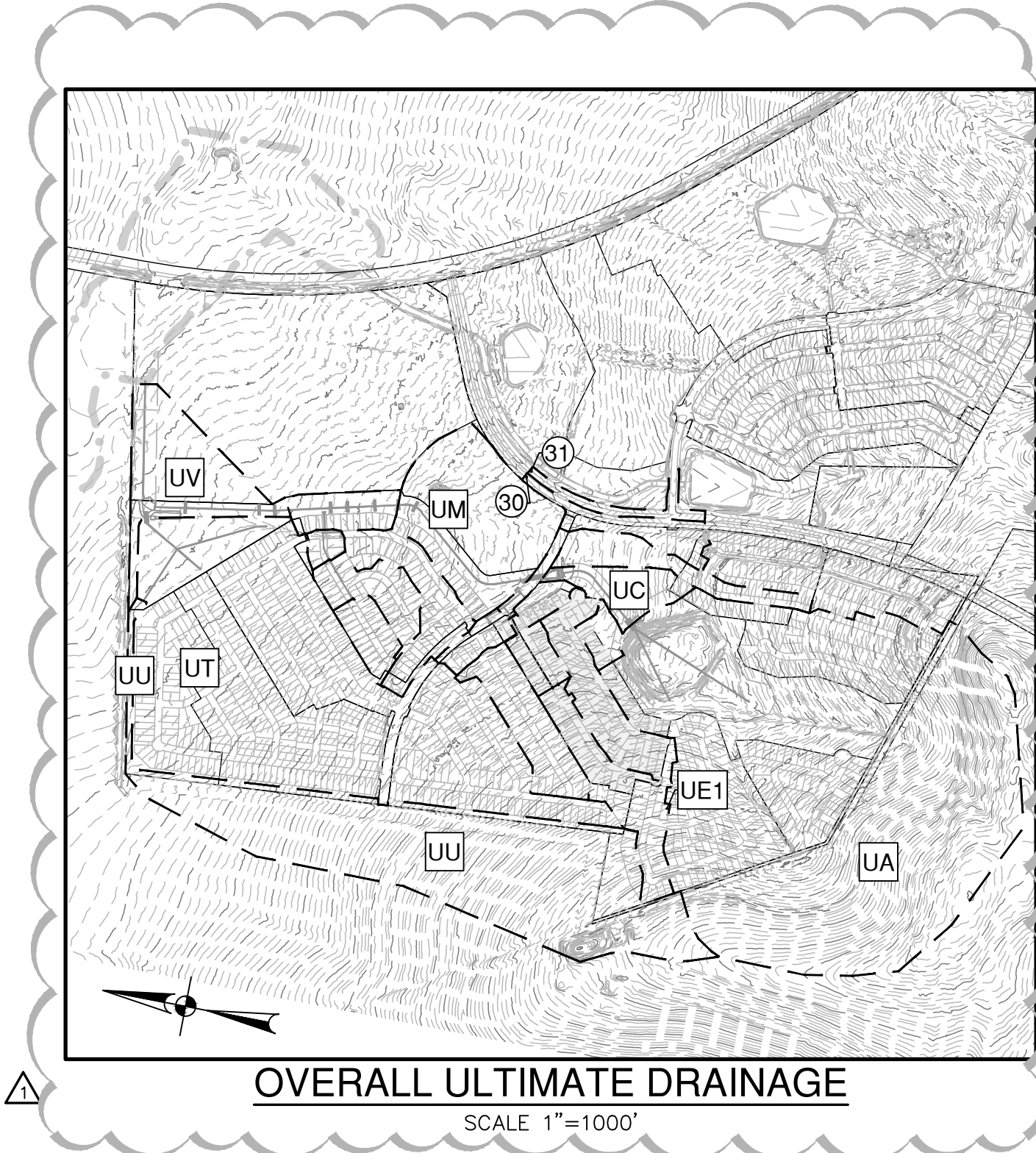
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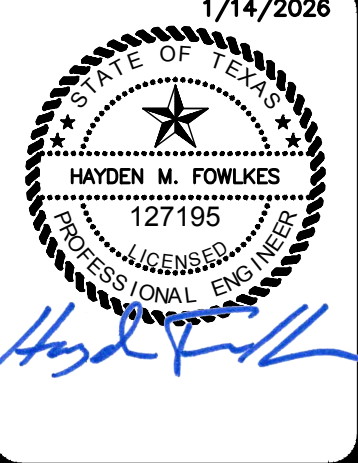


MASTER DRAINAGE LEGEND

- PROJECT LIMITS
- EXISTING CONTOUR
- 100 YR FLOODPLAIN
- RUNOFF FLOW PATH
- DRAINAGE AREA BOUNDARY
- FHA LOT GRADING TYPE
- PROPOSED DIRECTION OF FLOW
- DRAINAGE CALCULATION POINT
- DRAINAGE AREA



NO.	REVISION	DATE
1	SURFACE UPDATED.	1/14/26



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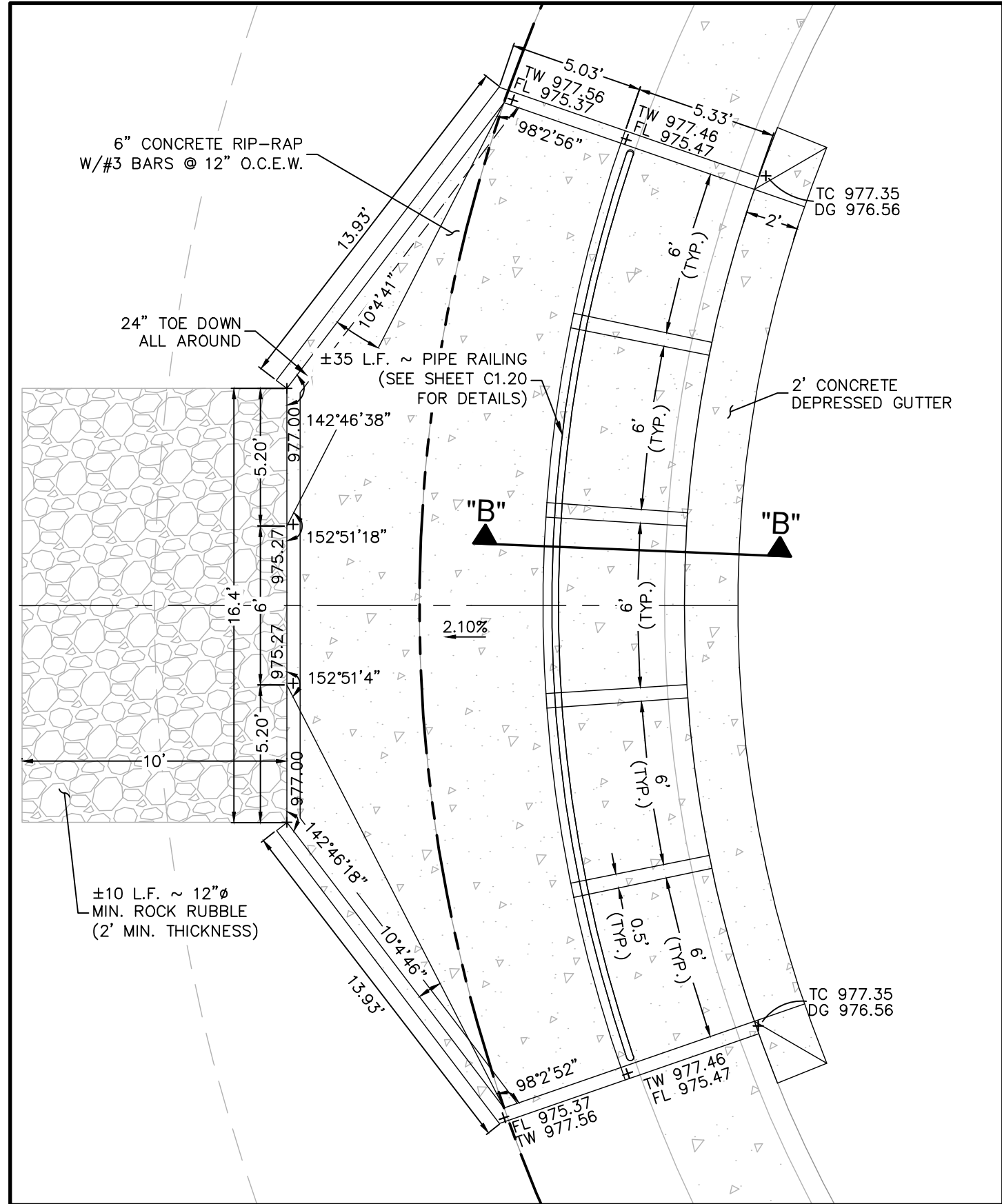
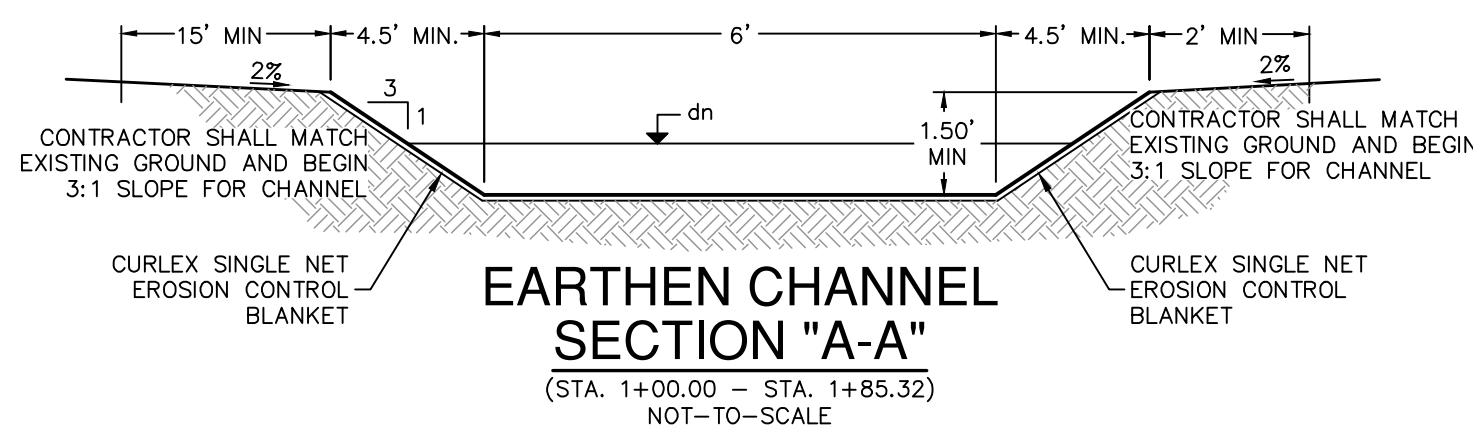
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MEDINA COUNTY, TEXAS
MASTER DRAINAGE PLAN - ULTIMATE CONDITIONS

PLAT NO.	30004-37
JOB NO.	30004-37
DATE	DECEMBER 2025
DESIGNER	GC
CHECKED	DRAWN CA
SHEET	C1.02

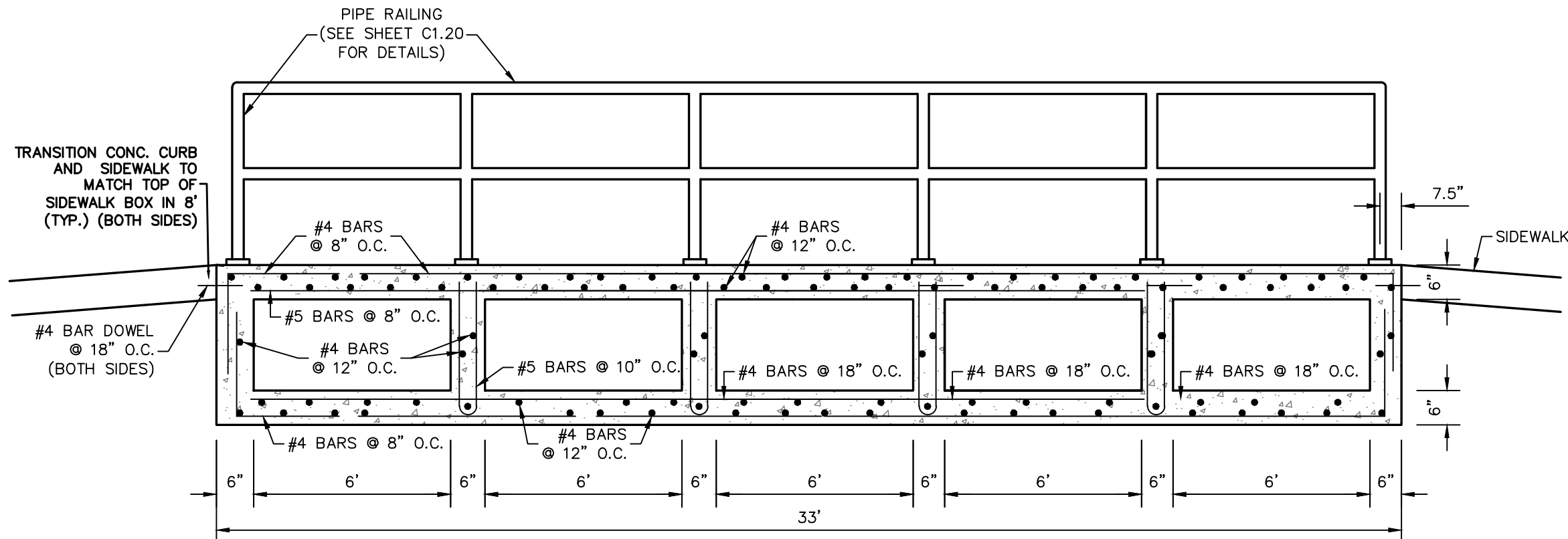
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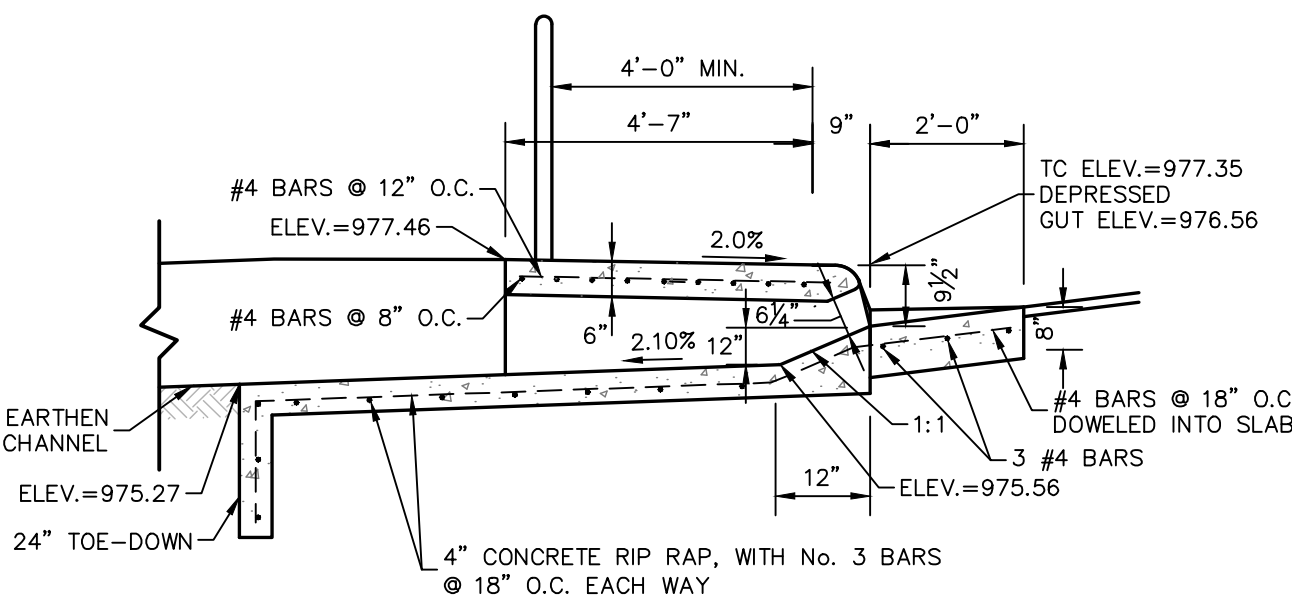
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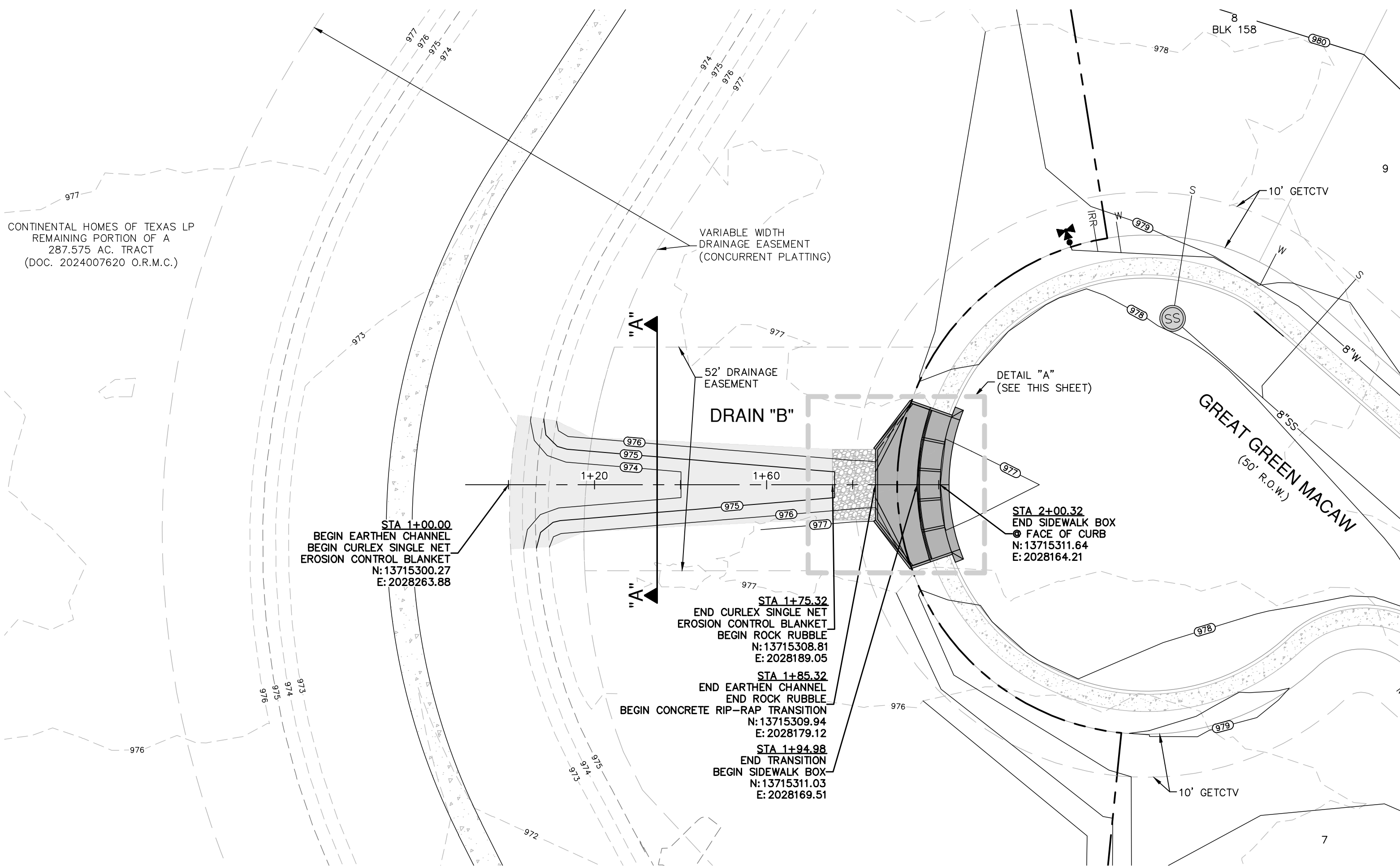
DETAIL "A"
1" = 5'



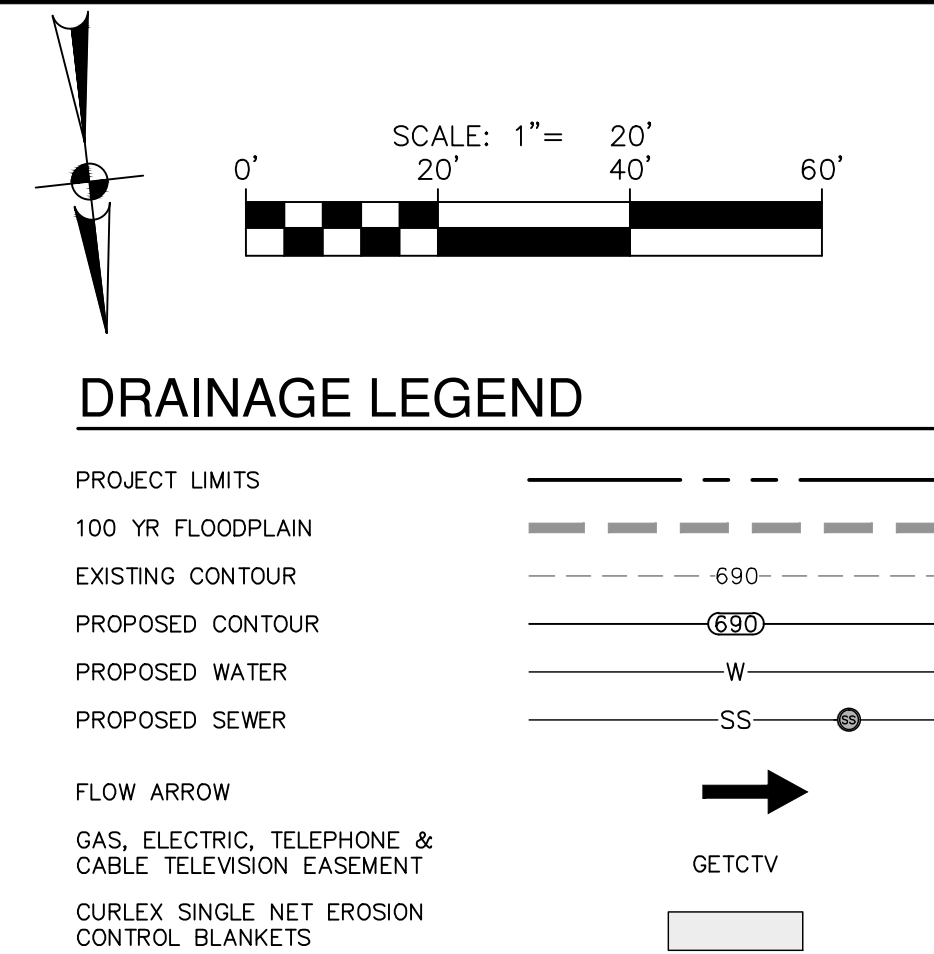
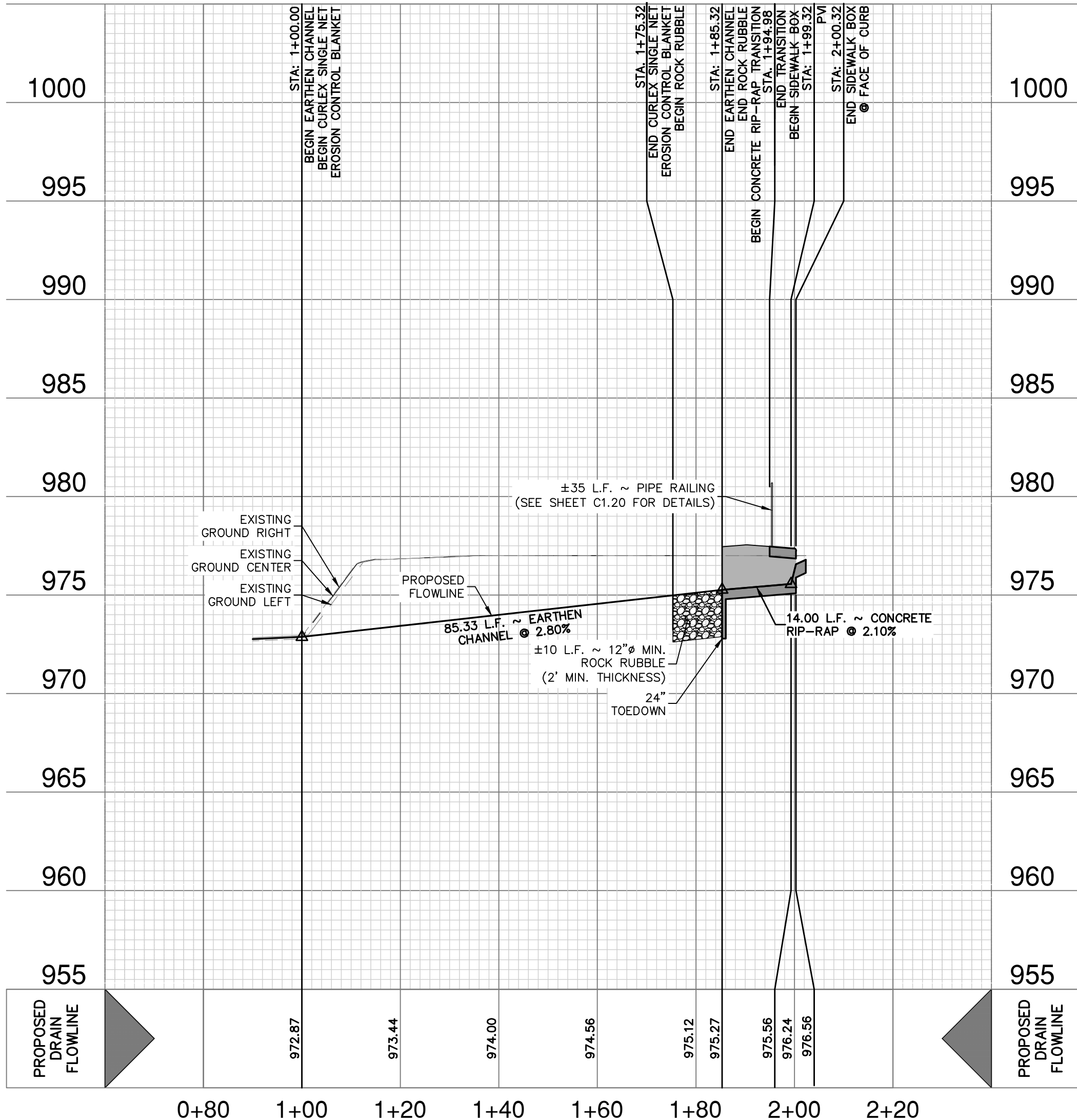
SIDEWALK
BOX DETAIL
NOT-TO-SCALE



SIDEWALK BOX DETAIL SECTION "B-B"
NOT-TO-SCALE



DRAIN "B"
STA 1+00.00 TO 2+00.32
VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 20'



HYDRAULIC CALCULATIONS EARTHEN CHANNEL STA. 1+00.00 TO 1+85.32	
Q ₂₅ = 42 CFS	
B _w = 6 FT	
n = 0.035	
S = 2.80%	
dn = 0.93 FT	
dn+FrBd = 1.43 FT	
V = 5.53 FPS	

HYDRAULIC CALCULATIONS-DRAIN "B"- PT.1

$$Q_{25} = 42 \text{ CFS}$$
$$Q_{25} = CA\sqrt{2gh} \text{ (ORIFICE FLOW EQN.)}$$
$$A = L(0.52), h = 0.54, g = 32.2, c = 0.7$$
$$L = \frac{42 \text{ CFS}}{(0.7)(0.52)\sqrt{2(32.2)(0.54)}}$$
$$L = 19.57 \text{ FT} \quad \text{USE } 30'$$

CHECK WITH WEIR FORMULA

$$h = \left(\frac{Q}{(CL)}\right)^{2/3} = \left(\frac{45}{(3.087)(30)}\right)^{2/3} = 0.59 \text{ FT.}$$

$h = 0.59 < 0.79 \quad \text{OK}$

DRAINAGE & GRADING NOTES:

- A MEDINA COUNTY ROW PERMIT MUST BE OBTAINED BEFORE WORKING IN MEDINA COUNTY ROW. CONTRACTOR SHALL COORDINATE A TRAFFIC CONTROL PLAN FOR ALL WORK WITHIN THE ROW. ADDITIONAL WARNING SIGNS MAY BE RECOMMENDED BY THE ENGINEER ONCE THE ROADWAYS ARE CONSTRUCTED.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL UTILITIES AND DRAINAGE STRUCTURES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES PRIOR TO CONSTRUCTION TO VERIFY SIZE, GRADE, AND LOCATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DEVIATIONS FROM PLANS PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR, AT HIS EXPENSE.
- ALL CONCRETE FOR TXDOT DRAINAGE STRUCTURES SHALL MEET TXDOT SPECIFICATIONS. ALL OTHER CONCRETE SHALL BE CLASS "A" 3000 PSI CYLINDER STRENGTH IN 28 DAYS.
- REFERENCE DRAINAGE DETAILS FOR PIPE TRENCH DETAILS, BOX CULVERT, HEADWALL, AND WINGWALL CONSTRUCTION DETAILS, AND BOX CULVERT BEDDING AND EXCAVATION LIMITS.
- CONTRACTOR SHALL GROUT ALL CURB INLETS AND JUNCTION BOXES TO PROVIDE FOR POSITIVE DRAINAGE.
- EARTHEN CHANNELS WILL BE VEGETATED BY SEEDING OR SODDING. 85% OF THE CHANNEL SURFACE MUST HAVE ESTABLISHED VEGETATION BEFORE MEDINA COUNTY WILL ACCEPT.
- CONTRACTOR SHALL MATCH TOP OF CHANNEL TO NATURAL GROUND AND MAINTAIN A MINIMUM CHANNEL DEPTH OF "D" AS SHOWN IN THE PROFILE.

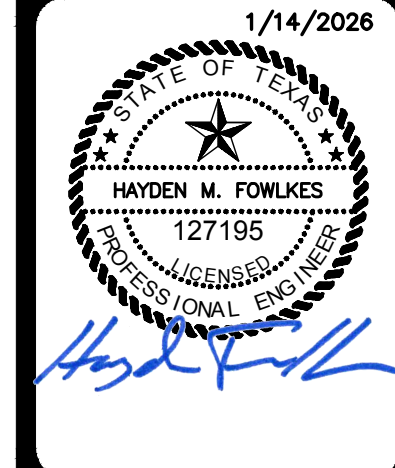
TRENCH EXCAVATION SAFETY PROTECTION:

CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

CAUTION!!

CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

DATE	1/14/26
NO.	1
REVISION	DRAIN WALL UPDATED. EARTHEN CHANNEL UPDATED.

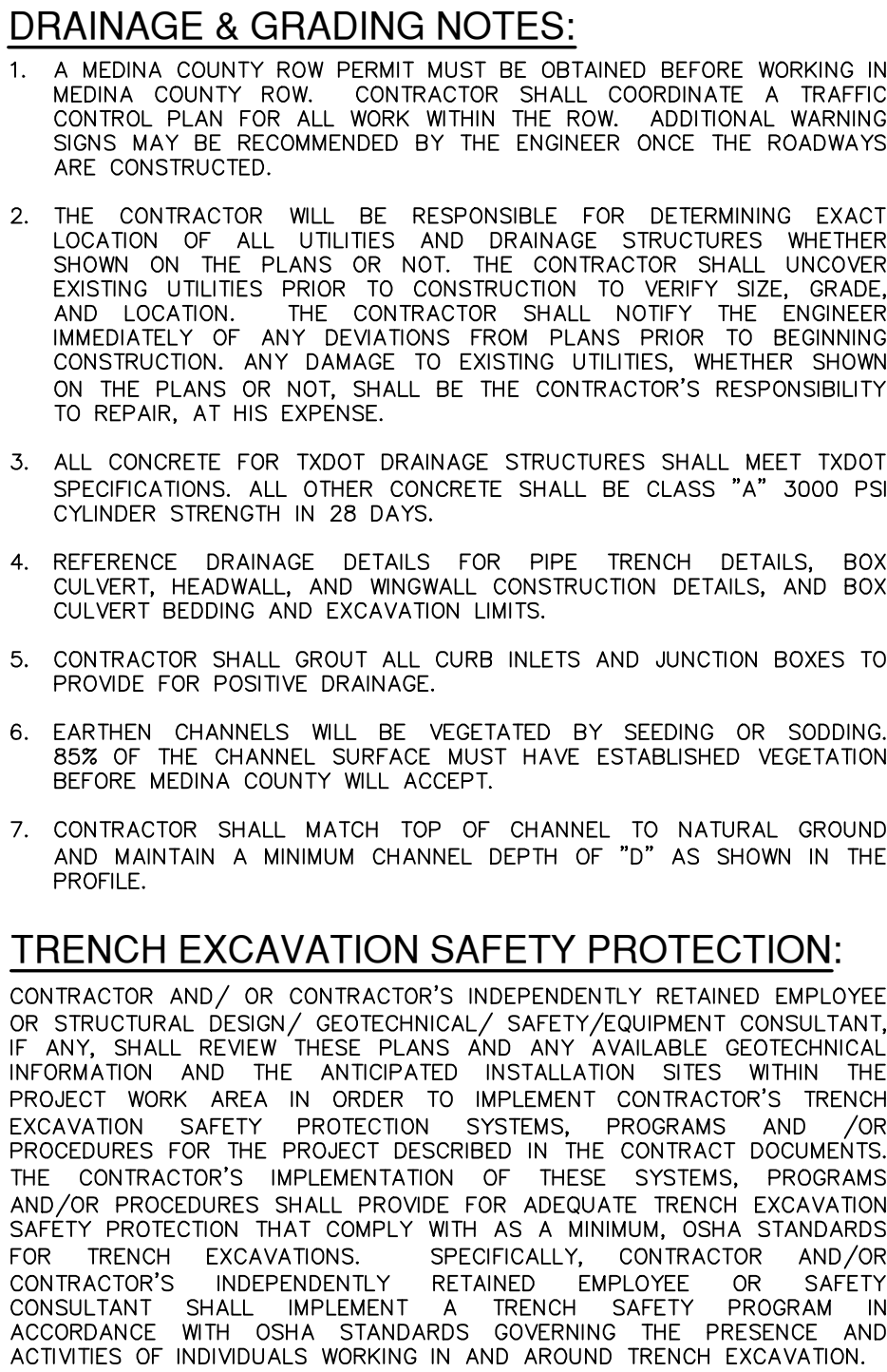
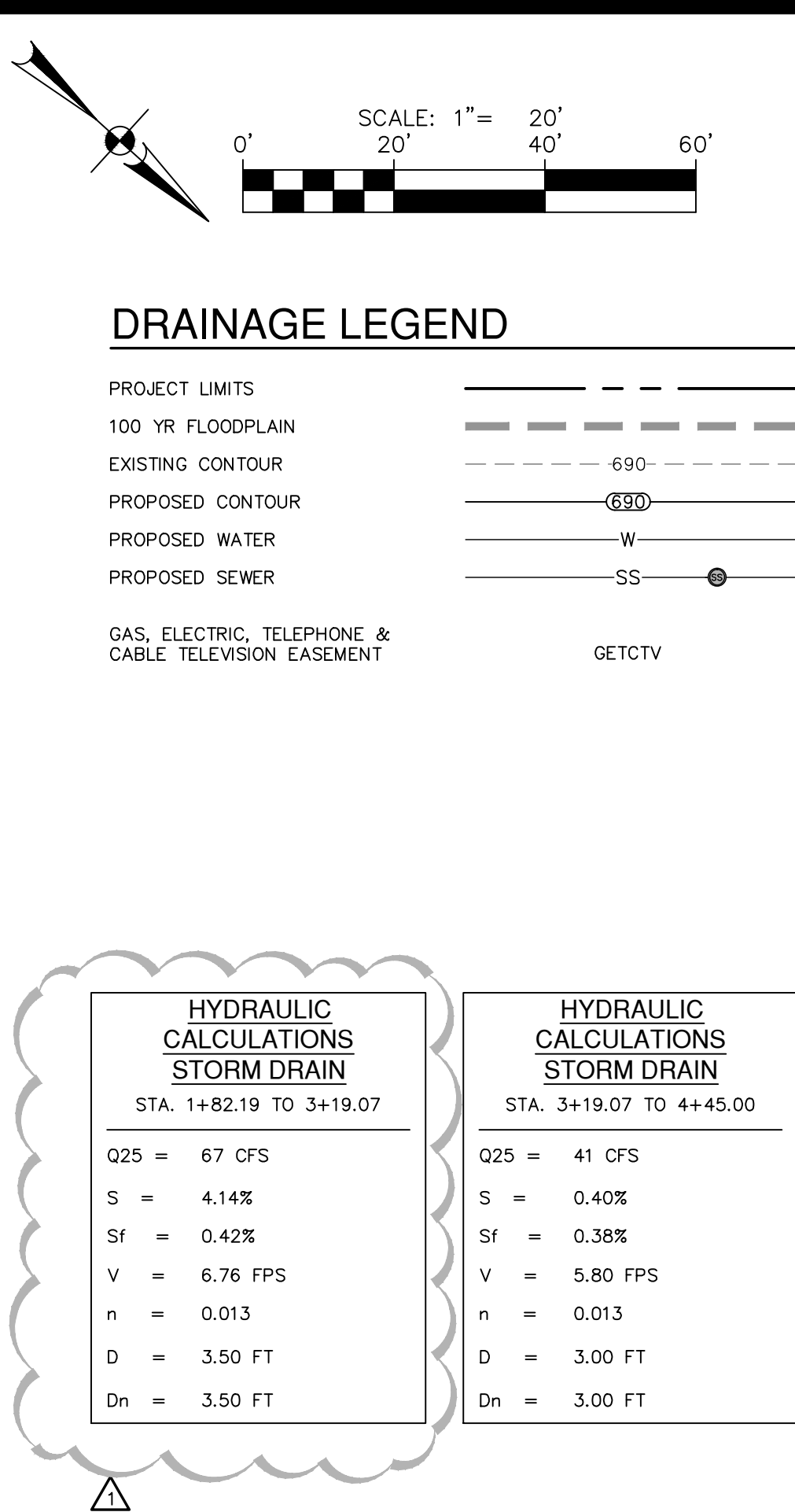


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REDBIRD RANCH PHASE 2 UNIT 8M-1
MEDINA COUNTY, TEXAS
DRAIN B - PLAN & PROFILE
STA 1+00.00 TO 2+00.32

PLAT NO.	
JOB NO.	30004-37
DATE	DECEMBER 2025
DRAWN	GC
CHECKED	DRAWN ML
SHEET	C1.05

FOR PERMIT



PAPE-DAWSON
1672 INDEPENDENCE DR, STE 102 | NEW BRAUNFELS, TX 78132 | 830.632.5633
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

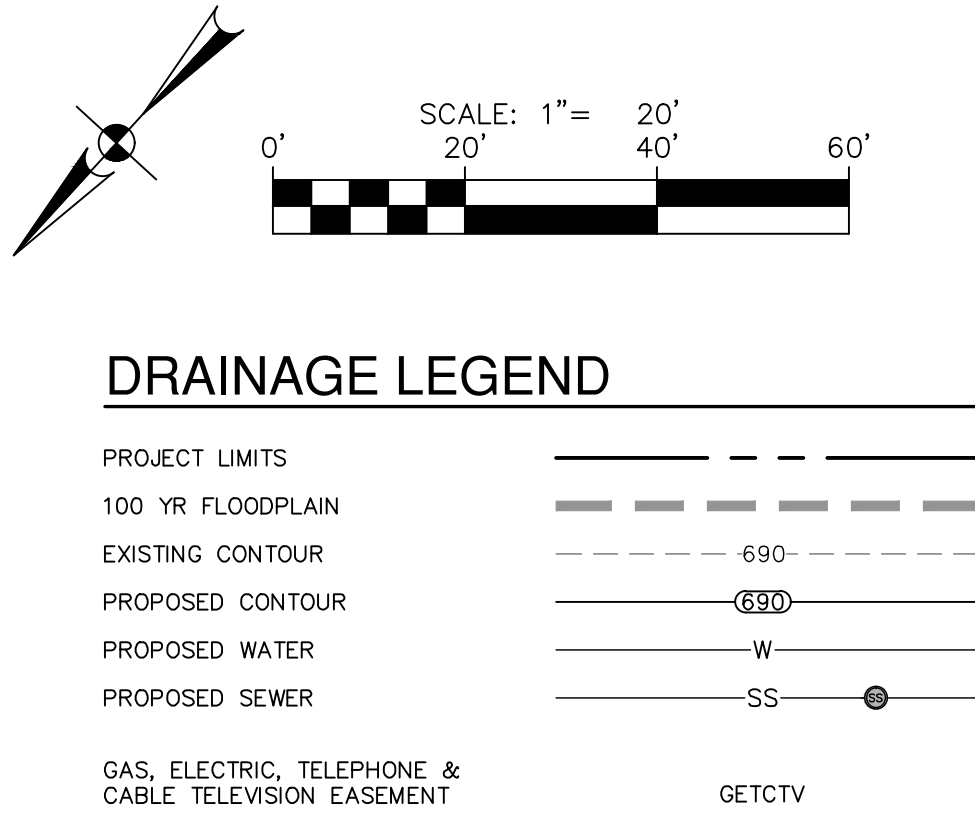
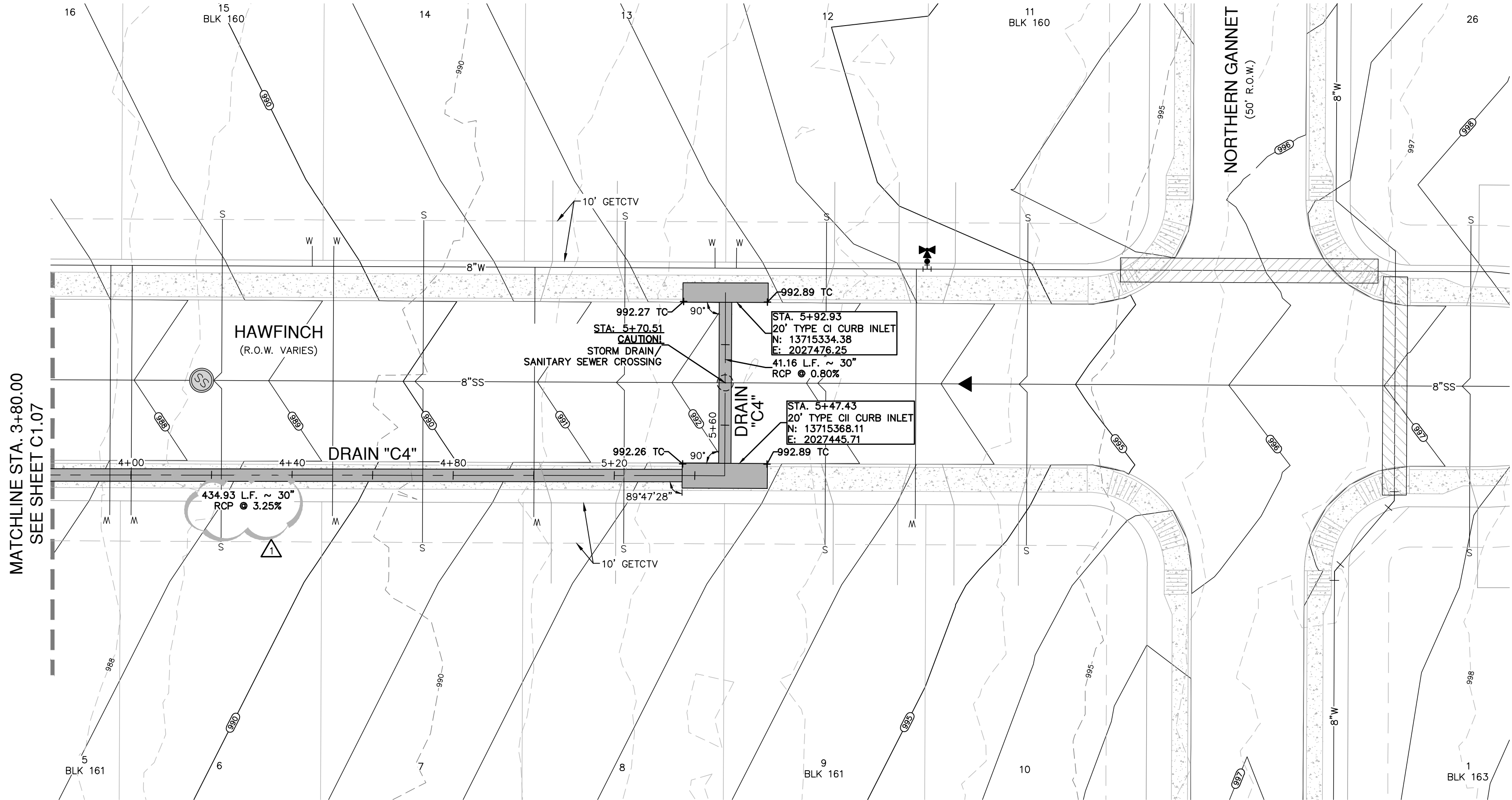
REDBIRD RANCH PHASE 2 UNIT 8M-1
MEDINA COUNTY, TEXAS
DRAIN C3 - PLAN & PROFILE
STA 1+82.19 TO 4+45.00

PLAT NO. _____
JOB NO. 30004-37
DATE DECEMBER 2025
DESIGNER GC
CHECKED GC DRAWN ML
SHEET C1.06

FOR PERMIT

Dates: July 11, 2024, 11:12 AM - User ID: matthew.duke
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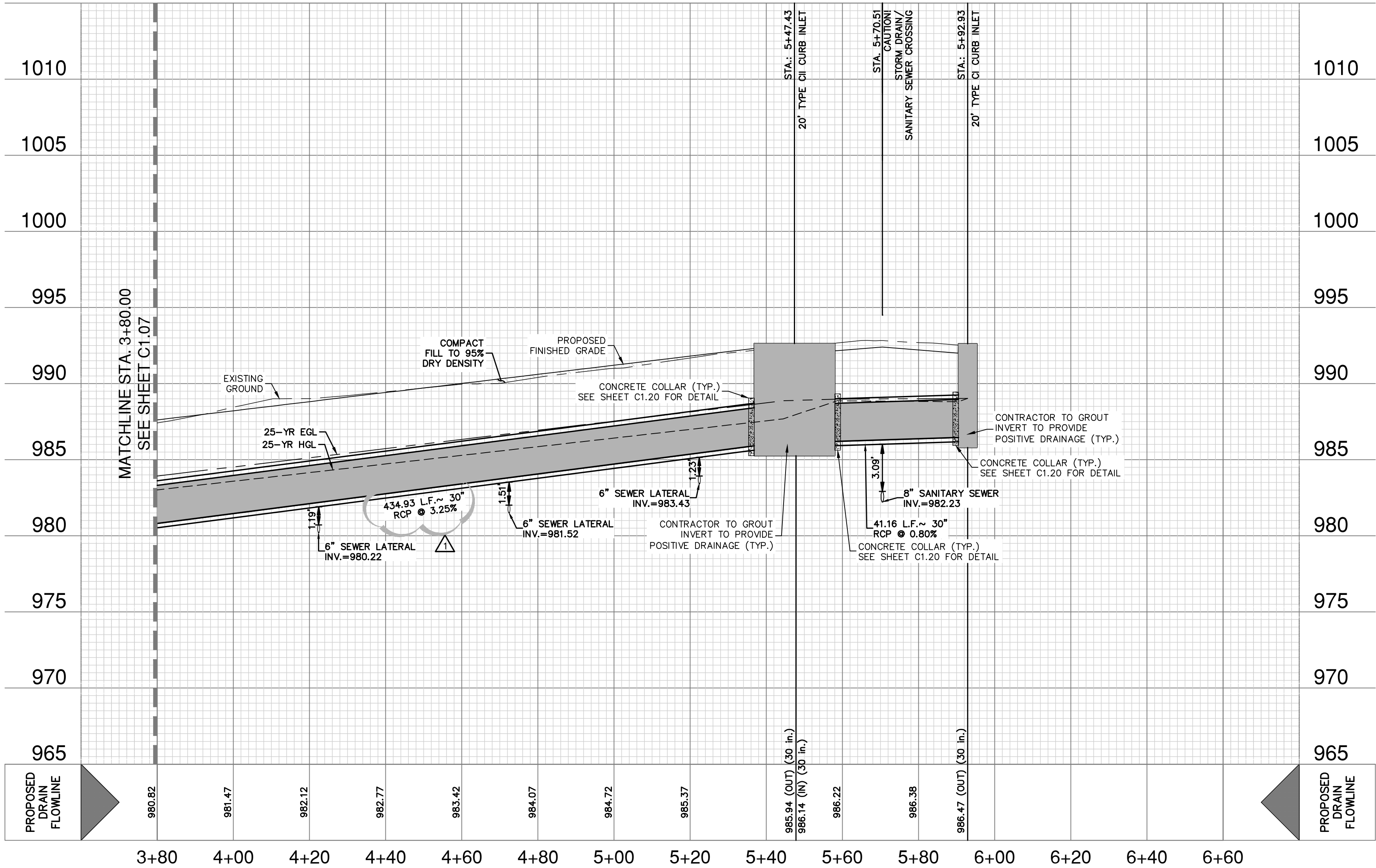
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DRAIN "C4" ON-GRADE INLET
HYDRAULIC CALCULATIONS
 $Q_{25}/2 = 23.5$ CFS
 $S = 3.0\%$
 $L = 20'$ INLET
 $Q_{CAPTURED} = 13$ CFS
 $Q_{BYPASS} = 10.5$ CFS

HYDRAULIC CALCULATIONS STORM DRAIN		HYDRAULIC CALCULATIONS STORM DRAIN	
STA. 1+00.00 TO 5+47.43		STA. 5+47.43 TO 5+92.93	
$Q_{25} =$	26 CFS	$Q_{25} =$	13 CFS
$S =$	3.25%	$S =$	0.80%
$S_f =$	0.40%	$S_f =$	0.13%
$V =$	5.30 FPS	$V =$	2.65 FPS
$n =$	0.013	$n =$	0.013
$D =$	2.50 FT	$D =$	2.50 FT
$D_n =$	2.50 FT	$D_n =$	2.50 FT

DRAIN "C4"
STA 3+80.00 TO 5+92.93
VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 20'



- DRAINAGE & GRADING NOTES:**
- A MEDINA COUNTY ROW PERMIT MUST BE OBTAINED BEFORE WORKING IN MEDINA COUNTY ROW. CONTRACTOR SHALL COORDINATE A TRAFFIC CONTROL PLAN FOR ALL WORK WITHIN THE ROW. ADDITIONAL WARNING SIGNS MAY BE RECOMMENDED BY THE ENGINEER ONCE THE ROADWAYS ARE CONSTRUCTED.
 - THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL UTILITIES AND DRAINAGE STRUCTURES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES PRIOR TO CONSTRUCTION TO VERIFY SIZE, GRADE, AND LOCATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DEVIATIONS FROM PLANS PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR, AT HIS EXPENSE.
 - ALL CONCRETE FOR TXDOT DRAINAGE STRUCTURES SHALL MEET TXDOT SPECIFICATIONS. ALL OTHER CONCRETE SHALL BE CLASS "A" 3000 PSI CYLINDER STRENGTH IN 28 DAYS.
 - REFERENCE DRAINAGE DETAILS FOR PIPE TRENCH DETAILS, BOX CULVERT, HEADWALL, AND WINGWALL CONSTRUCTION DETAILS, AND BOX CULVERT BEDDING AND EXCAVATION LIMITS.
 - CONTRACTOR SHALL GROUT ALL CURB INLETS AND JUNCTION BOXES TO PROVIDE FOR POSITIVE DRAINAGE.
 - EARTHEN CHANNELS WILL BE VEGETATED BY SEEDING OR SODDING. 85% OF THE CHANNEL SURFACE MUST HAVE ESTABLISHED VEGETATION BEFORE MEDINA COUNTY WILL ACCEPT.
 - CONTRACTOR SHALL MATCH TOP OF CHANNEL TO NATURAL GROUND AND MAINTAIN A MINIMUM CHANNEL DEPTH OF "D" AS SHOWN IN THE PROFILE.

TRENCH EXCAVATION SAFETY PROTECTION:
CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND /OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

CAUTION!!
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

DATE
1/14/26

NO. REVISION
1 UPDATED PIPE LENGTH
UPDATED PROFILE ELEVATION.

1/14/2026

STATE OF TEXAS
HAYDEN M. FOWLER
127195
LICENSED PROFESSIONAL ENGINEER

Hayden M. Fowler

PAPE-DAWSON

1671 INDEPENDENCE DR. STE 102 | NEW BRAUNFELS, TX 78131 | 830.632.6633
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10288600

REDBIRD RANCH PHASE 2 UNIT 8M-1

MEDINA COUNTY, TEXAS

DRAIN C4 - PLAN & PROFILE
STA 3+80.00 TO 5+92.93

PLAT NO.

JOB NO. 30004-37

DATE DECEMBER 2025

DRAWN ML

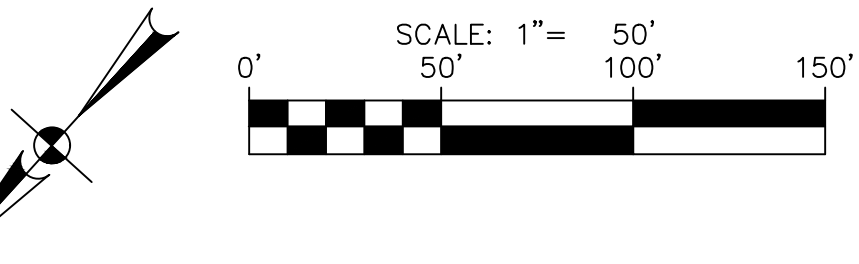
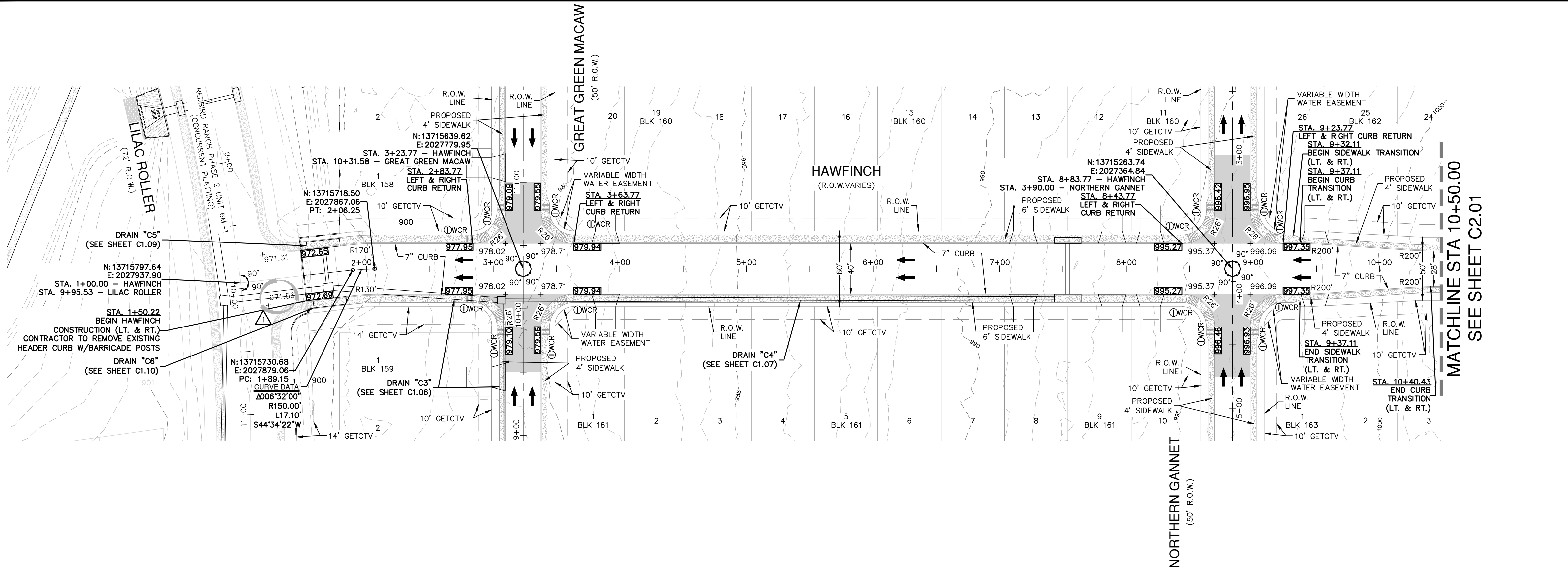
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C1.08

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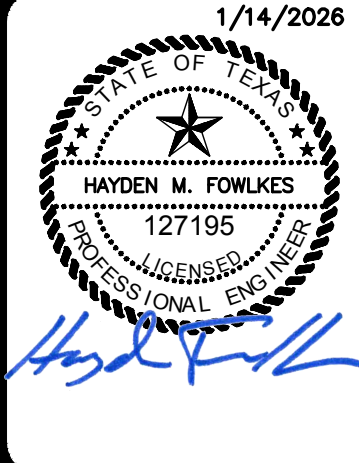
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STREET LEGEND

PROJECT LIMITS	---
MAINTAIN GUTTER	→
EXISTING CONTOUR	970
WHEELCHAIR RAMP	ⓓWCR
CENTERLINE	CL
RADIUS POINT	RP
POINT OF CURVATURE	PC
POINT OF TANGENCY	PT
RETURN	RET
DRAINAGE FLOW ARROW	→
TOP OF CURB SPOT ELEVATION	857.30
PAVEMENT ELEVATION	857.00(P) ×
WASHOUT CROWN SECTION	
SIDEWALK (SEE SHEET C3.00 & C3.01 FOR DEVELOPER/HOMEBUILDER RESPONSIBILITY)	
DRIVEWAY	
GAS, ELECTRIC, TELEPHONE & CABLE TELEVISION EASEMENT	GETCTV

NO.	REVISION	DATE
1	SPOT ELEVATION UPDATED.	1/14/26



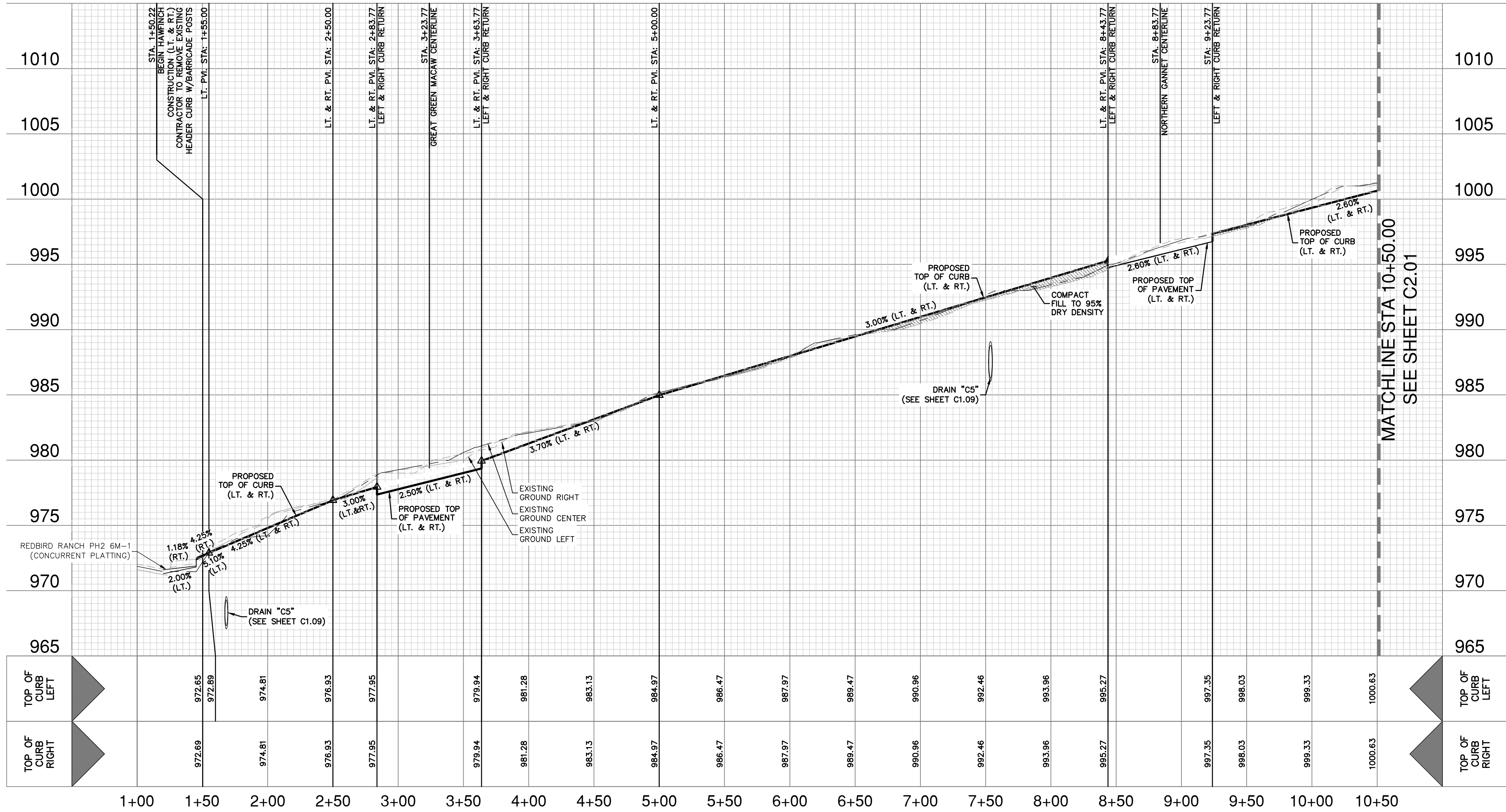
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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1028800

REDBIRD RANCH PHASE 2 UNIT 8M-1
MEDINA COUNTY, TEXAS
HAWFINCH - PLAN & PROFILE
STA. 1+50.22 TO 10+50.00

PLAT NO.	
JOB NO.	30004-37
DATE	DECEMBER 2025
DESIGNER	GC
CHECKED	DRAWN CA
SHEET	C2.00

HAWFINCH
STA. 1+50.22 TO 10+50.00

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'



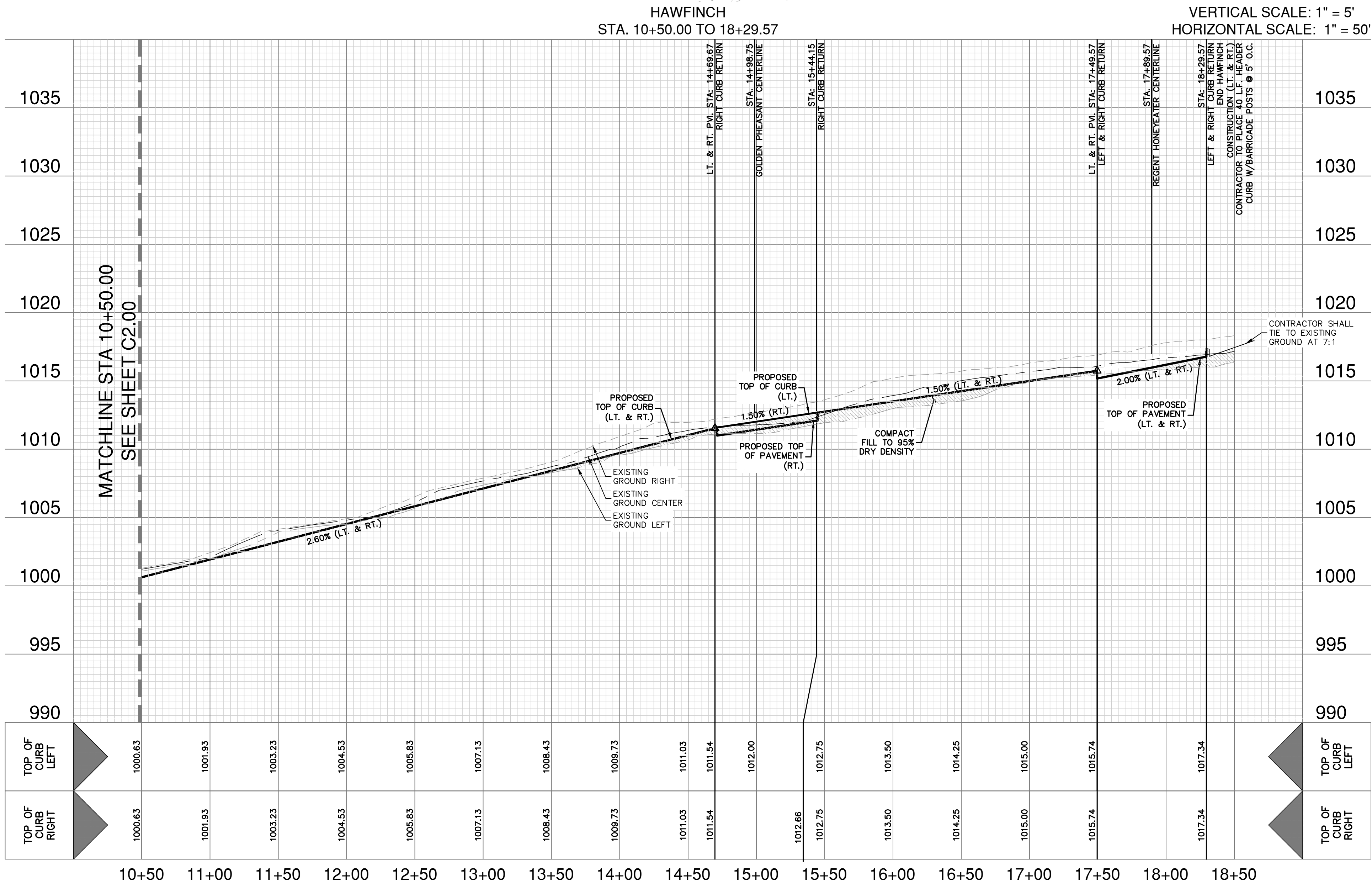
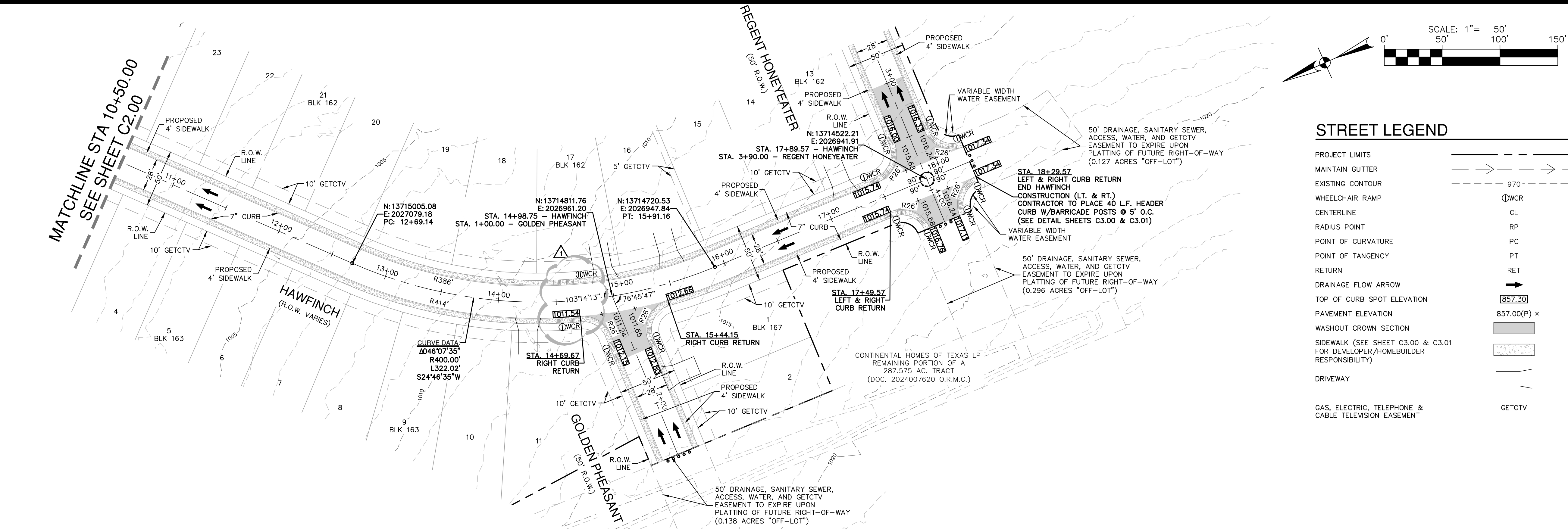
STREET NOTES:

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- CONTRACTOR SHALL MATCH EXISTING PAVEMENT AT TIE-IN. IF EXISTING PAVEMENT ELEVATION DIFFERS SIGNIFICANTLY, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONTINUING WORK.
- SIDEWALKS SHALL BE CONSTRUCTED 3'-FT FROM THE BACK OF CURB FOR ALL LOCATIONS WHERE THE SIDEWALK IS SHOWN OFFSET. REFER TO STREET DETAIL SHEET FOR SIDEWALK AND RAMP DETAILS.
- NO PERMANENT STRUCTURES HIGHER THAN 3 FEET, AND LOWER THAN 8 FEET ABOVE THE PAVEMENT, INCLUDING STRUCTURES, WALLS, FENCES, AND VEGETATION, SHALL BE CONSTRUCTED OR ALLOWED WITHIN THE CLEAR VISION EASEMENT. CONTRACTOR SHALL GRADE AREAS WITHIN CLEAR VISION EASEMENTS SUCH THAT THE ELEVATION WITHIN THE CLEAR VISION EASEMENT IS NOT HIGHER THAN 3 FEET ABOVE THE ADJACENT TOP OF PAVEMENT.
- DRIVEWAYS SHOWN ON THIS PLAN ARE FOR THE SOLE PURPOSE OF INDICATING A POTENTIAL CONFLICT WITH CURB RAMP, DRAINAGE INFRASTRUCTURE, OR OTHER CONFLICT. DRIVEWAY LOCATION IS SUBJECT TO CHANGE BASED ON HOME SELECTION AND FINAL LOT DESIGN.
- CHANGES IN THE SIDEWALK LOCATION FOR A MAXIMUM LINEAR DISTANCE OF TWO HUNDRED (200) FEET ARE PERMITTED TO BE APPROVED BY THE FIELD INSPECTOR WITHOUT AMENDING THE STREET PLAN OR UTILITY LAYOUT PER UDC SECTION 35-506 (O)(6).

FOR PERMIT

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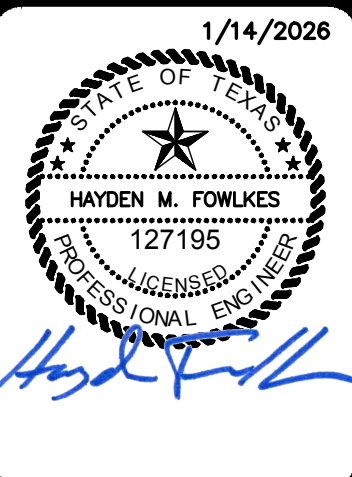
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NO.	REVISION	DATE
1	RAMP REVISED.	1/14/26



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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10228800

REDBIRD RANCH PHASE 2 UNIT 8M-1
MEDINA COUNTY, TEXAS
HAWFINCH - PLAN & PROFILE
STA. 10+50.00 TO 18+29.57

PLAT NO.	
JOB NO.	30004-37
DATE	DECEMBER 2025
DESIGNER	GC
CHECKED	DRAWN CA
SHEET	C2.01

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PAVEMENT SECTION DETAIL								
STREET NAME	STATION	TYPE "D" HMAC	TYPE "C" HMAC	AGGREGATE BASE	STABILIZED SUBGRADE	GEOGRID (TENSAR TRIAX TXS)	CBR	STRUCTURAL NUMBER
HAWFINCH	STA. 1+50.22 TO 1+29.57	2"	2"	16"	8*	NO	2.5	$\frac{2(.44)}{10(.14)} = \frac{0.88}{1.4}$ $\frac{16(.14)}{6(.08)} = \frac{2.24}{0.64}$ 4.64
GREAT GREEN MACAW	STA 8+86.58 TO 14+96.58	2"	—	10"	6*	NO	2.5	$\frac{2(.44)}{10(.14)} = \frac{0.88}{1.4}$ $\frac{16(.14)}{6(.08)} = \frac{2.24}{0.48}$ 2.76
NORTHERN GANNET	STA. 1+40.00 TO 5+35.00	2"	—	10"	6*	NO	2.5	$\frac{2(.44)}{10(.14)} = \frac{0.88}{1.4}$ $\frac{16(.14)}{6(.08)} = \frac{2.24}{0.48}$ 2.76
GOLDEN PHEASANT	STA. 1+36.77 TO 2+48.21	2"	—	10"	6*	NO	2.5	$\frac{2(.44)}{10(.14)} = \frac{0.88}{1.4}$ $\frac{16(.14)}{6(.08)} = \frac{2.24}{0.48}$ 2.76
REGENT HONEYEATER	STA. 1+38.66 TO 4+36.00	2"	—	10"	6*	NO	2.5	$\frac{2(.44)}{10(.14)} = \frac{0.88}{1.4}$ $\frac{16(.14)}{6(.08)} = \frac{2.24}{0.48}$ 2.76
AMETHYST STARLING	STA. 1+40.00 TO 13+65.78	2"	—	10"	6*	NO	2.5	$\frac{2(.44)}{10(.14)} = \frac{0.88}{1.4}$ $\frac{16(.14)}{6(.08)} = \frac{2.24}{0.48}$ 2.76
*SEE SUBGRADE NOTES								

GENERAL NOTES:

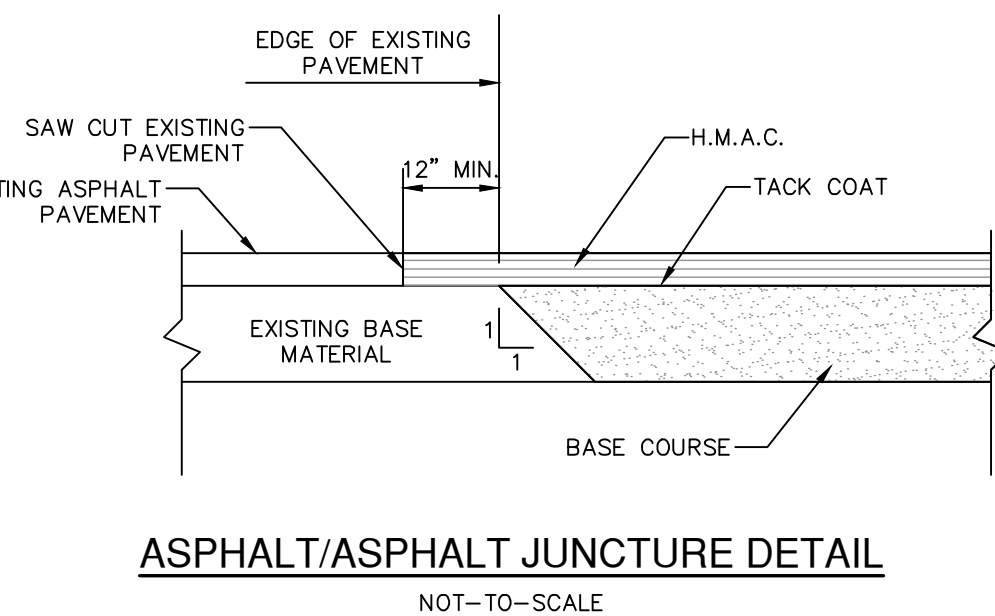
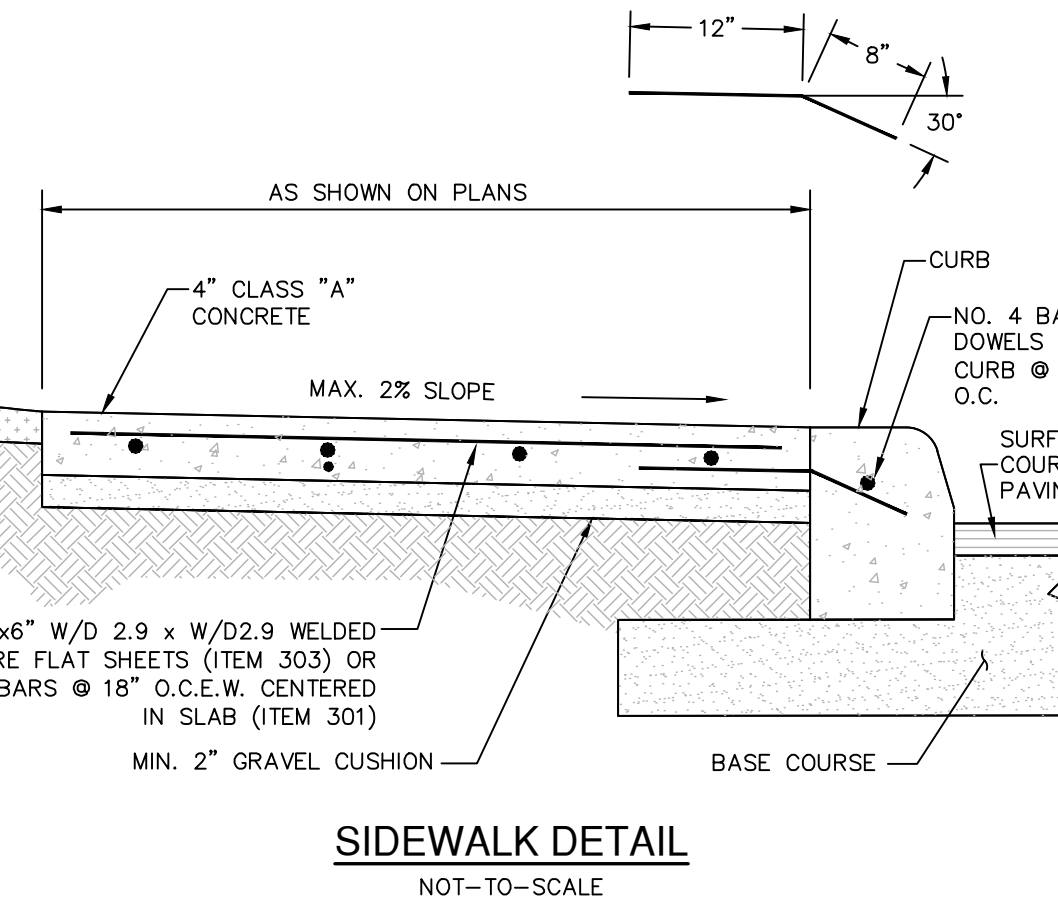
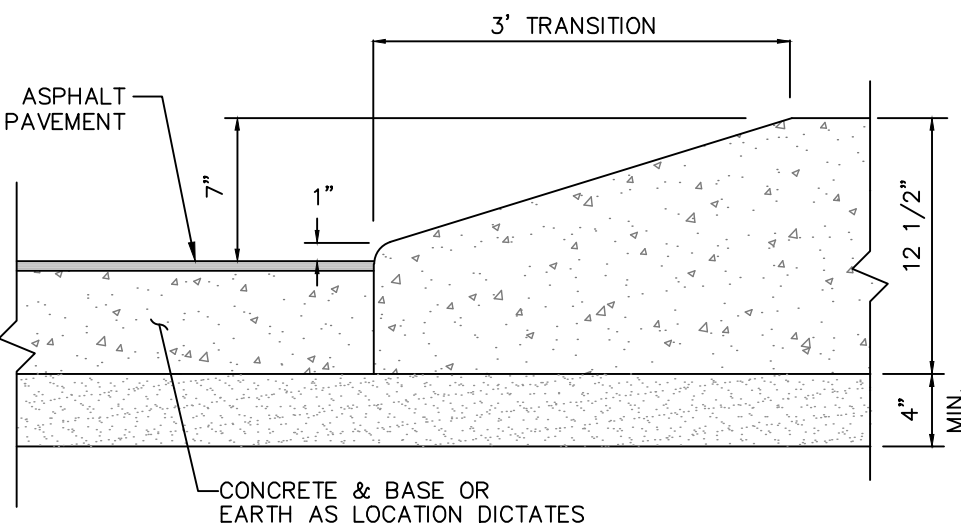
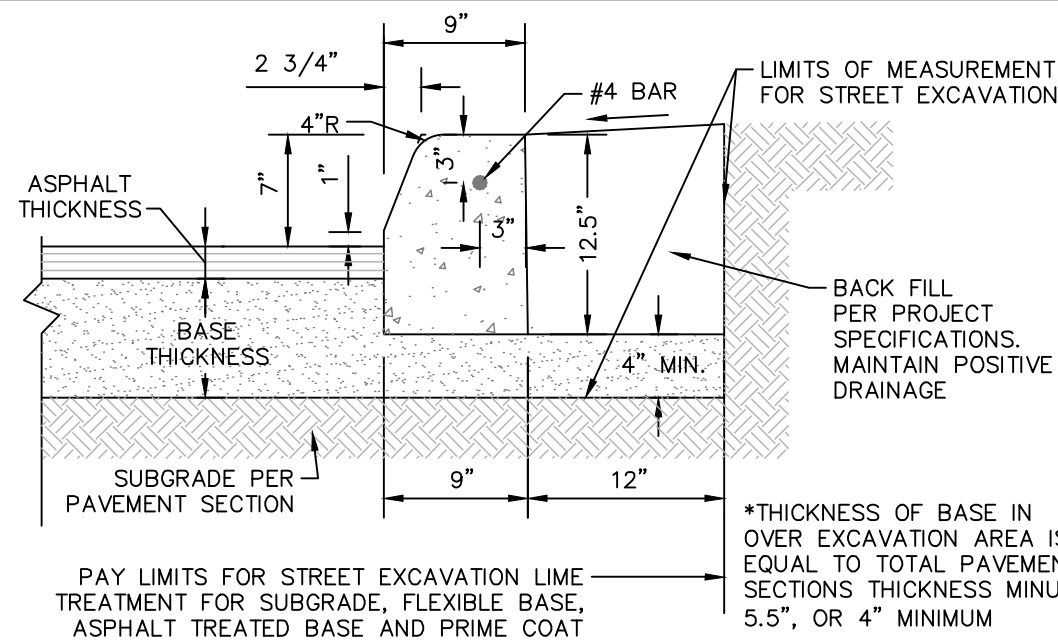
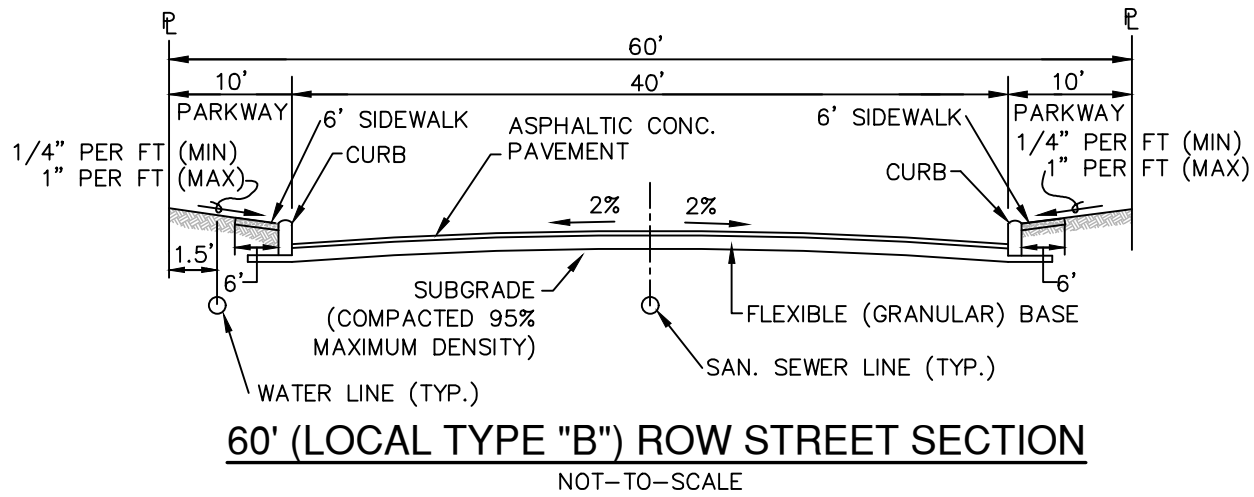
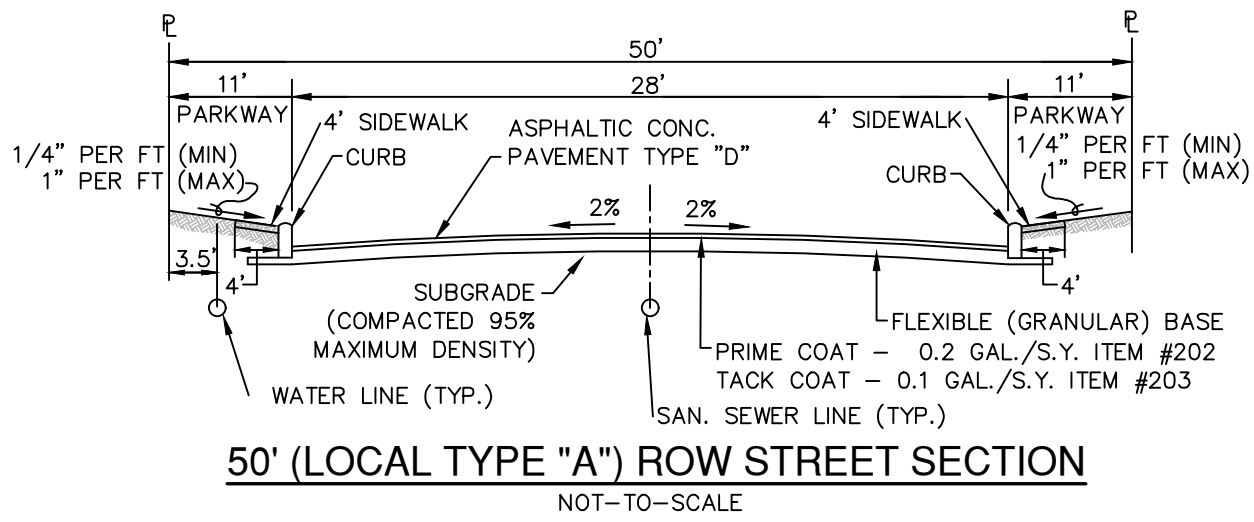
- CONTRACTOR SHALL REFERENCE THE PROJECT PAVEMENT DESIGN REPORT PREPARED BY INTEC OF SAN ANTONIO, LP DATED MAY 1, 2024, PROJECT NO. S241065.
- CONTRACTOR SHALL RETAIN A GEOTECHNICAL ENGINEER TO VERIFY THE SUBGRADE CONDITION PRIOR TO PLACING ANY BASE MATERIAL. GEOTECHNICAL ENGINEER SHALL DETERMINE THE SUBGRADE CONDITION AND IF LIME STABILIZATION IS REQUIRED.
- GEOTECHNICAL ENGINEER SHOULD VERIFY THE STREET SUBGRADE AT THE TIME OF CONSTRUCTION PRIOR TO PLACEMENT OF AGGREGATE BASE.
- THE FLEXIBLE BASE COURSE SHOULD BE CRUSHED LIMESTONE AGGREGATE OR GRAVEL CONFORMING TO TXDOT STANDARD SPECIFICATIONS, ITEM 247, TYPE A, GRADES 1 OR 2.
- THE GENERAL FILL MATERIALS SHOULD BE PLACED IN LIFTS NOT TO EXCEED 8 INCHES THICK AND COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY TEST METHOD ASTM D 698 AT A MOISTURE CONTENT WITHIN 3 PERCENT OF THE OPTIMUM WATER CONTENT.
- SIGNIFICANT PAVEMENT DISTRESS HAS BEEN OBSERVED DURING CONSTRUCTION PHASE WITH THE COMBINATION OF CONSTRUCTION TRAFFIC AND IRRIGATION WATER / RAIN WATER GETTING UNDERNEATH THE ASPHALT.
- IF WATER IS ALLOWED TO GET UNDERNEATH THE ASPHALT / CONCRETE OR IF MOISTURE CONTENT OF THE BASE OR SUBGRADE CHANGES SIGNIFICANTLY, THEN PAVEMENT DISTRESS WILL OCCUR. MOISTURE PENETRATION UNDERNEATH THE ASPHALT PAVEMENT SURFACE SHOULD BE REDUCED. ONE OF THE FOLLOWING METHODS SHOULD BE USED:
 - DEEPER CURBS, SUCH AS CURBS EXTENDING A MINIMUM OF 3 INCHES INTO SUBGRADE.
 - COMPACTED CLAYS BACKFILLED AGAINST THE CURBS.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL MATERIAL TESTING WITH THE PROJECT GEOTECHNICAL ENGINEER. TESTING SHALL BE PAID FOR BY THE OWNER.

STREET SUBGRADE NOTES:

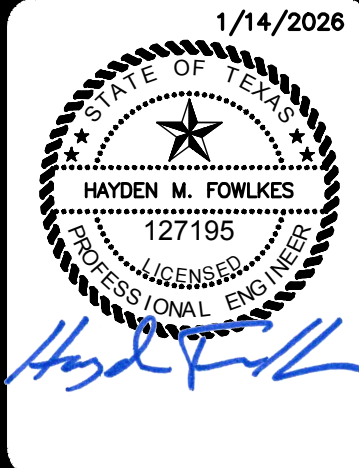
- CUT AND FILL DATA ARE NOT AVAILABLE AT THIS TIME.
- FILL USED TO RAISE THE GRADE:
 - APPROVED FILL MATERIAL FREE SHOULD HAVE A MINIMUM CBR VALUE OF 2.5 AND A MAXIMUM PLASTICITY INDEX VALUE OF 55 (ON SITE MATERIAL). LIME APPLICATION RATES SHOULD BE RE-EVALUATED AND TESTED FOR SULFATE CONTENT PRIOR TO USE OF THE FILL MATERIAL.
 - THE FILL MATERIAL SHOULD BE APPROVED BY THE GEOTECHNICAL ENGINEER, FREE OF DELETERIOUS MATERIAL, AND THE GRAVEL SIZE SHOULD NOT EXCEED 3 INCHES IN SIZE. THE MATERIAL SHOULD BE PLACED AND COMPACTED AS PER APPLICABLE CITY / COUNTY GUIDELINES.
- BASED ON THE THICKNESS OF THE CLAYS ENCOUNTERED IN THE BORINGS, WE ANTICIPATE THE FINAL PAVEMENT SUBGRADE PLASTICITY INDEX VALUE TO BE EITHER LESS THAN OR EQUAL TO 20 OR GREATER THAN 20.
- IF THE SUBGRADE PLASTICITY INDEX VALUES ARE LESS THAN OR EQUAL TO 20, AS PER CITY OF SAN ANTONIO OR BEXAR COUNTY REQUIREMENTS, SUBGRADE STABILIZATION IS NOT NEEDED.
- IF THE FINAL STREET SUBGRADE PLASTICITY INDEX VALUES ARE GREATER THAN 20, THEN THE SUBGRADE SHOULD BE STABILIZED:
 - SUBGRADE SHOULD BE STABILIZED USING LIME OR CEMENT. LIME APPLICATION RATES ARE PRESENTED HERE. PLEASE CONTACT INTEC FOR CEMENT APPLICATION RATES.
 - STABILIZED TO A DEPTH OF 6 OR 8 INCHES USING 7 PERCENT LIME CONTENT.
 - THE SUBGRADE SOILS SHOULD BE TESTED FOR SOIL SULFATE CONTENT PRIOR TO STABILIZATION. IF THE SOIL SULFATE CONTENT IS HIGHER THAN 3000 PPM, AN ALTERNATE PROCEDURE WILL BE NEEDED.
 - LIME APPLICATION RATE OF 32 LBS PER SQ YARD FOR 6-INCH DEPTH OF STABILIZATION IS RECOMMENDED.
 - LIME APPLICATION RATE OF 43 LBS PER SQ YARD FOR 8-INCH DEPTH OF STABILIZATION IS RECOMMENDED.
 - CEMENT MAY BE USED IN LIEU OF LIME. CEMENT APPLICATION RATE SHOULD BE DETERMINED AT THE TIME OF CONSTRUCTION.

LIME NOTES:

- FOR LIME STABILIZATION CONSTRUCTION VERIFICATION THE FOLLOWING SHALL BE CONDUCTED ON THE FIELD:
- AFTER INITIAL MIXING THE SOIL-LIME MIXTURE SHALL MELLOW FOR A PERIOD OF TWO TO THREE (2-3) DAYS. MAINTAIN MOISTURE DURING MELLOWING.
 - AFTER MELLOWING AND FINAL MIXING, THE PULVERIZATION SHALL BE CHECKED USING THE FOLLOWING CRITERIA (REMOVE NON-SLAKING AGGREGATES RETAINED ON THE $\frac{3}{4}$ INCH SIEVE FROM THE SAMPLE):
 - MINIMUM PASSING $\frac{1}{2}$ " SIEVE 100
 - MINIMUM PASSING $\frac{3}{4}$ " SIEVE 85
 - MINIMUM PASSING NO. 4 SIEVE 60
 - SAMPLE SOIL-LIME MIXTURE FOR DETERMINATION OF MAXIMUM DRY DENSITY (MDD), IN THE LABORATORY, MOLD SPECIMENS TO 95% OF MDD AT OPTIMUM MOISTURE CONTENT AND VERIFY UCS TO BE AT LEAST 160 PSI IN ACCORDANCE WITH PROCEDURE OUTLINED IN THE BEXAR COUNTY FLEXIBLE PAVEMENT DESIGN CRITERIA GUIDE FOR MIXTURE DESIGN.
 - COMPACT AND CHECK FIELD DENSITY (MINIMUM OF 95% OF MDD REQUIRED).
 - CURE FOR AN ADDITIONAL 2 TO 5 DAYS (TOTAL MELLOWING AND CURING TIME SHOULD TOTAL AT LEAST 5 DAYS).
 - VERIFY DEPTH OF LIME STABILIZED LAYER TO DEPTH AS NOTED ON PLAN TO WITHIN +/- 1.0 INCH.



NO.	REVISION	DATE
1	STREET NOTES UPDATED.	1/14/26



PAPE-DAWSON
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TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1028800

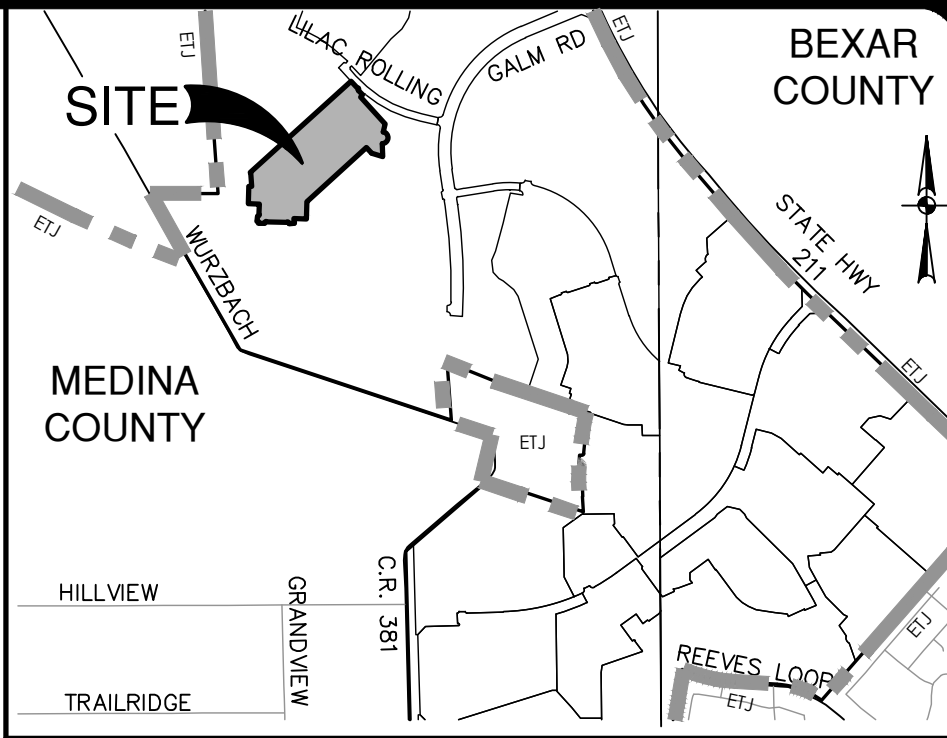
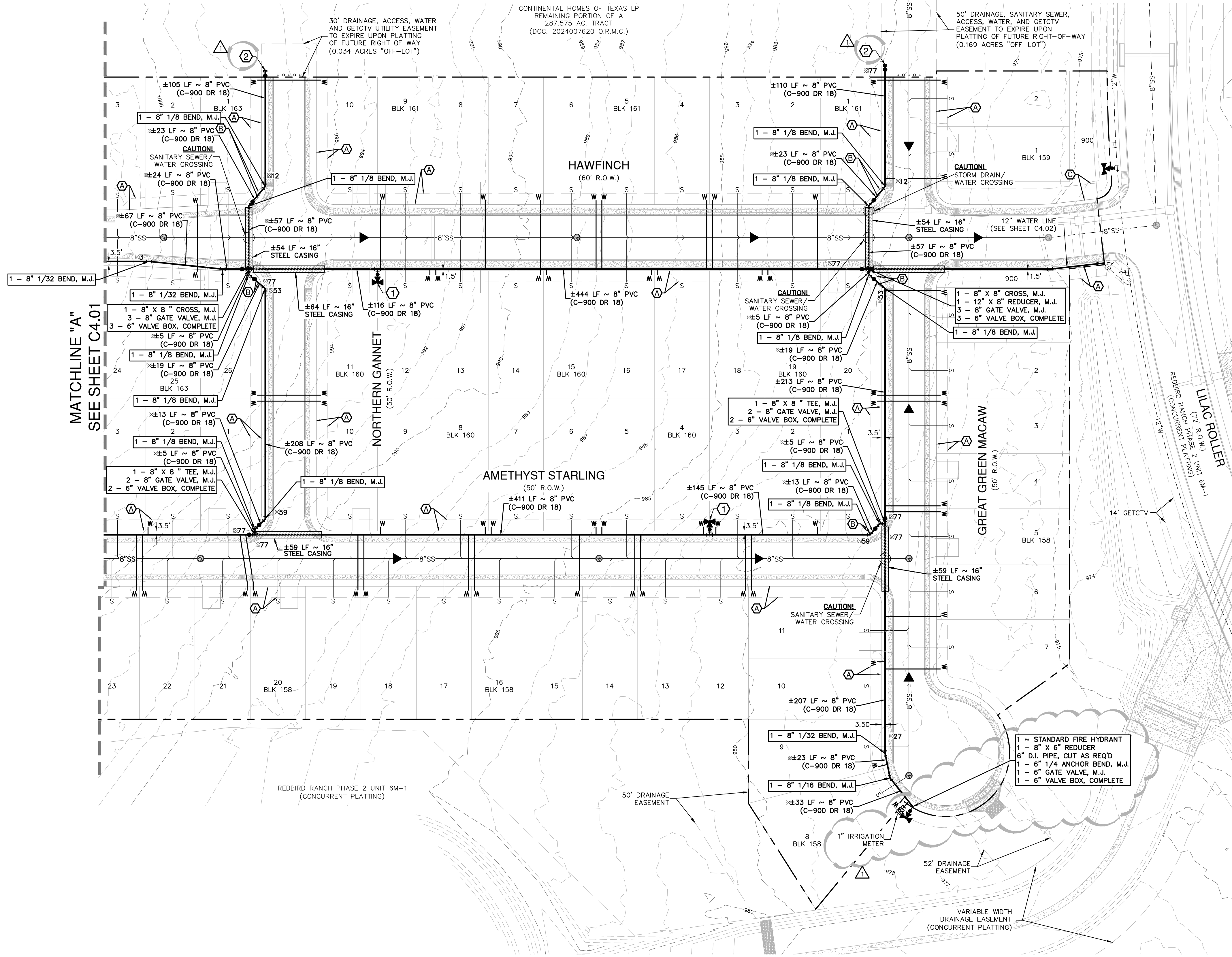
REDBIRD RANCH PHASE 2 UNIT 8M-1
MEDINA COUNTY, TEXAS
TYPICAL STREET DETAILS

PLAT NO.	N/A
JOB NO.	30004-37
DATE	DECEMBER 2025
DESIGNER	GC
CHECKED	DRAWN GP
SHEET	C2.10

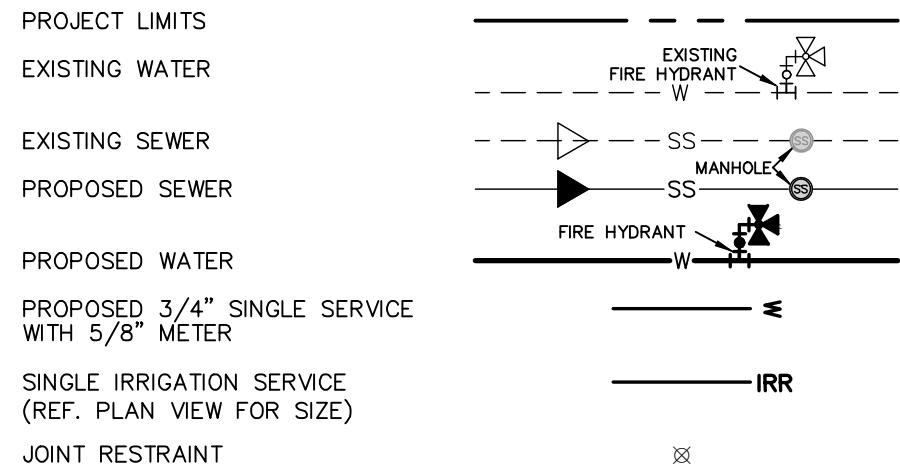
FOR PERMIT

Dates: July 11, 2024, 11:13 AM - User ID: matthew.duke
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WATER LEGEND



ITEM		
8" WATER LINE	LF	4368
12" WATER LINE	LF	213
16" STEEL CASING	LF	504
24" STEEL CASING	LF	64
3/4" SINGLE SERVICE, SHORT	EA	48
1" SINGLE SERVICE, LONG	EA	54
LUES	EA	102
FIRE HYDRANT	EA	5
TEST STATION	EA	5

- 1 ~ STANDARD FIRE HYDRANT
- 1 - 8" X 6" ANCHOR TEE, M.J.
- 6" D.I. PIPE, CUT AS REQ'D
- 1 - 6" 1/4" ANCHOR BEND, M.J.
- 1 - 6" GATE VALVE, M.J.
- 1 - 6" VALVE BOX, COMPLETE
- (SEE YANCEY DETAIL W-20, SHEET C4.10) TEST STATION
- 1 - 2 1/2" FLUSH VALVE
- (SEE YANCEY DETAIL W-32, SHEET C4.10)
- 1 - 8" GATE VALVE, M.J.
- 1 - 6" VALVE BOX, COMPLETE
- 1 - 2 1/2" FLUSH VALVE
- (SEE YANCEY DETAIL W-32, SHEET C4.10)
- 10' GETCTV EASEMENT
- VARIABLE WIDTH WATER EASEMENT
- 14' GETCTV EASEMENT

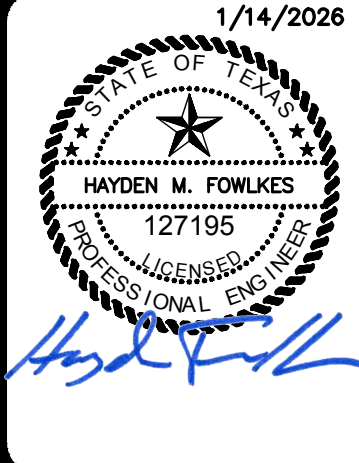
JOINT RESTRAINT NOTE:

CONTRACTOR SHALL INSTALL RETAINER GLANDS AT ALL FITTINGS AND PROVIDE JOINT RESTRAINING HARNESSES OR FIELD LOCK GASKETS AT ALL JOINTS WITHIN THE LENGTH SHOWN. CONTRACTOR SHALL INSURE THAT ALL TEES, BENDS, VALVES, ETC. HAVE A MINIMUM OF 8 FT. OF PIPE WITH NO JOINTS ON EACH SIDE OF THE FITTING. JOINT RESTRAINTS AND RETAINER GLANDS SHALL BE CALCULATED BY SAWS APPROVED PROGRAMS. THERE WILL BE NO SEPARATE PAY ITEM FOR RETAINER GLANDS AND OTHER JOINT RESTRAINING HARNESSES AND GASKETS, BUT SHALL BE SUBSIDIARY TO THE UNIT COST PER LINEAL FOOT OF PIPE INSTALLED.

TRENCH EXCAVATION SAFETY PROTECTION:

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND /OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

NO.	REVISION	DATE
1	HYDRANT AND METERS ADDED.	1/14/2026



PAPE-DAWSON
1671 INDEPENDENCE DR. STE 102 NEW BRAUNFELS, TX 77131 | 832.632.6633
TEXAS SURVEYING FIRM #1028800

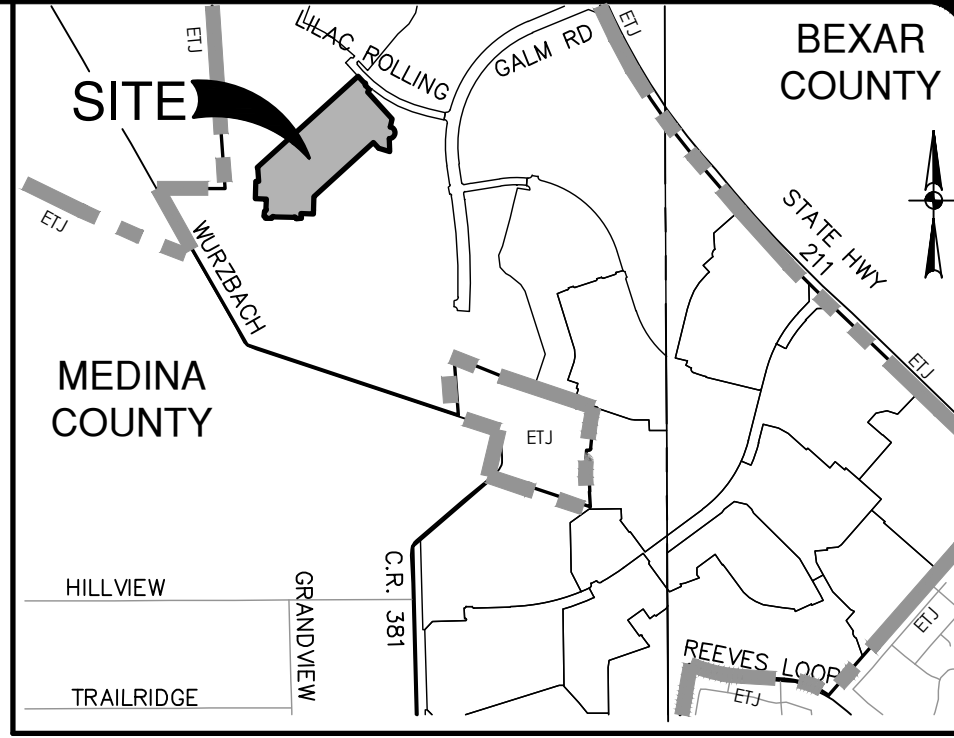
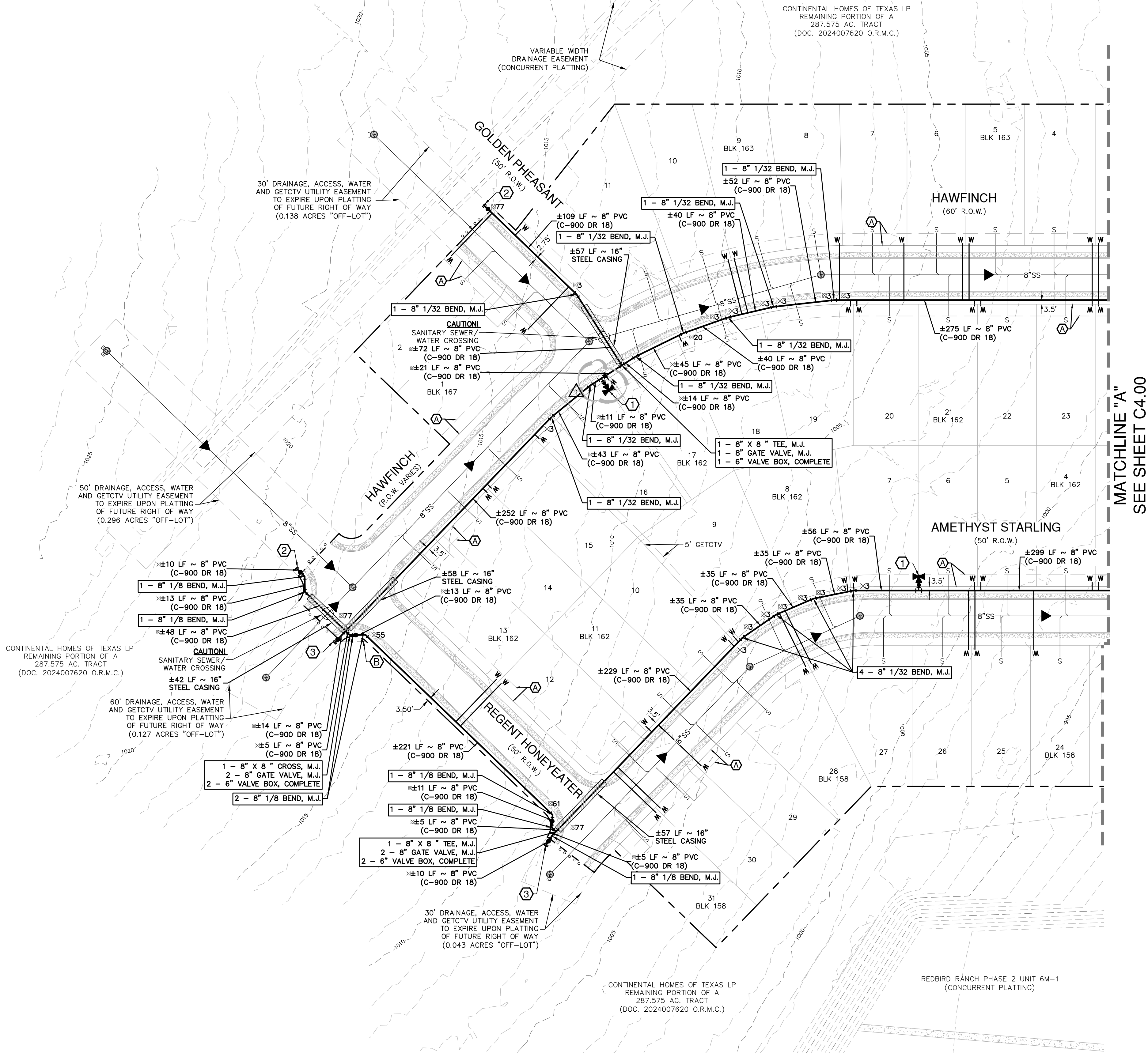
REDBIRD RANCH PHASE 2 UNIT 8M-1
MEDINA COUNTY, TEXAS
OVERALL WATER DISTRIBUTION PLAN

PLAT NO.	N/A
JOB NO.	30004-37
DATE	DECEMBER 2025
DESIGNER	GC
CHECKED	DRAWN GP
SHEET	C4.00

FOR PERMIT

Dates: July 11, 2024, 11:13 AM - User ID: matthew.duke
File: P:\300\04\37\Design\Civil\WDA-30004-37.dwg

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WATER LEGEND

PROJECT LIMITS	---
EXISTING WATER	---
EXISTING SEWER	---
PROPOSED SEWER	---
PROPOSED WATER	---
PROPOSED 3/4" SINGLE SERVICE WITH 5/8" METER	---
SINGLE IRRIGATION SERVICE (REF. PLAN VIEW FOR SIZE)	---
JOINT RESTRAINT	---

ITEM		
8" WATER LINE	LF	4368
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24" STEEL CASING	LF	64
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- A 10' GETCTV EASEMENT
- B VARIABLE WIDTH WATER EASEMENT

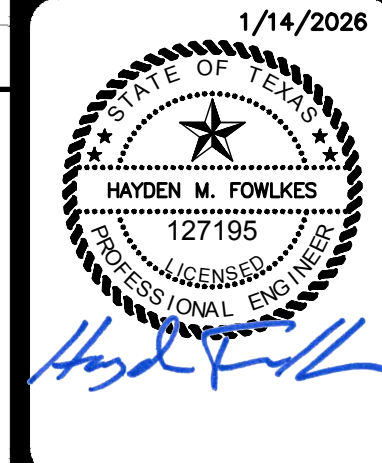
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NO.	REVISION	DATE
1	WATER SERVICE MOVED.	1/14/26



PAPE-DAWSON
1671 INDEPENDENCE DR. STE 102 NEW BRAUNFELS, TX 78131 | 830.632.6633
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1028800

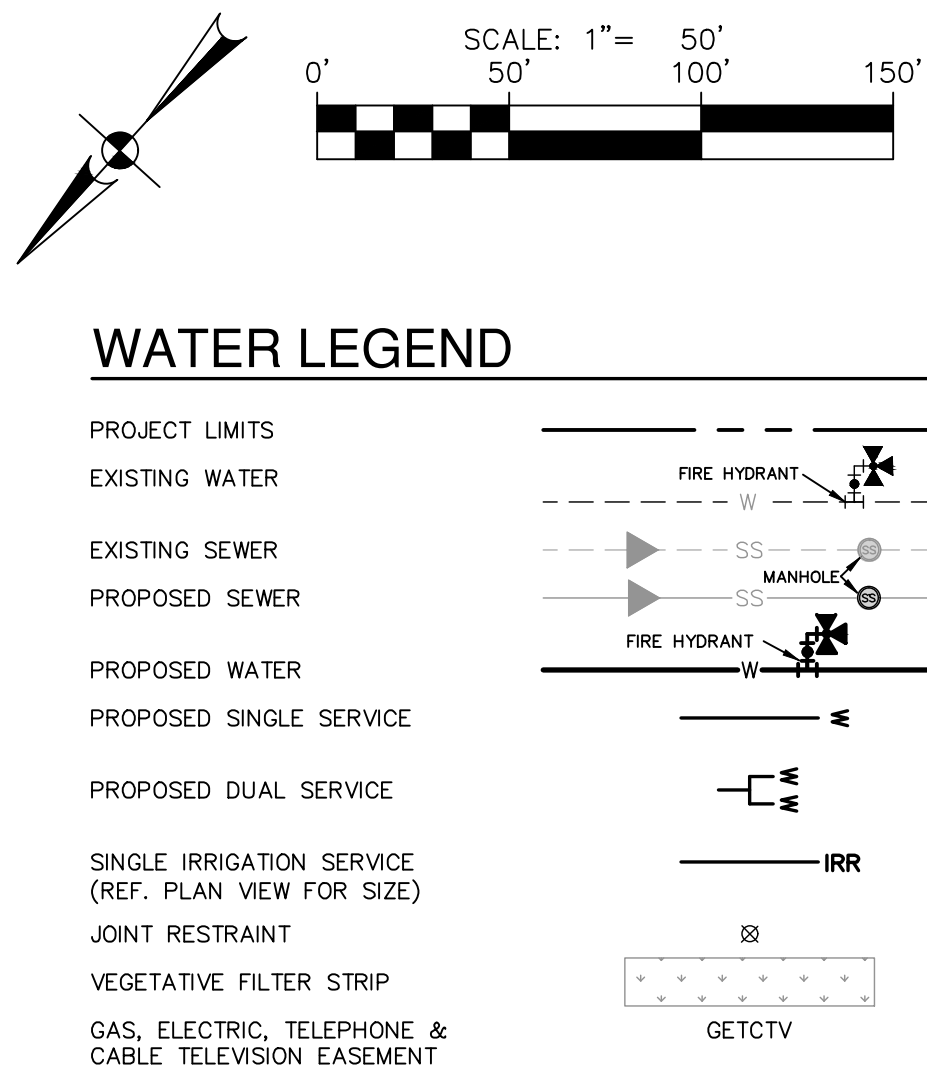
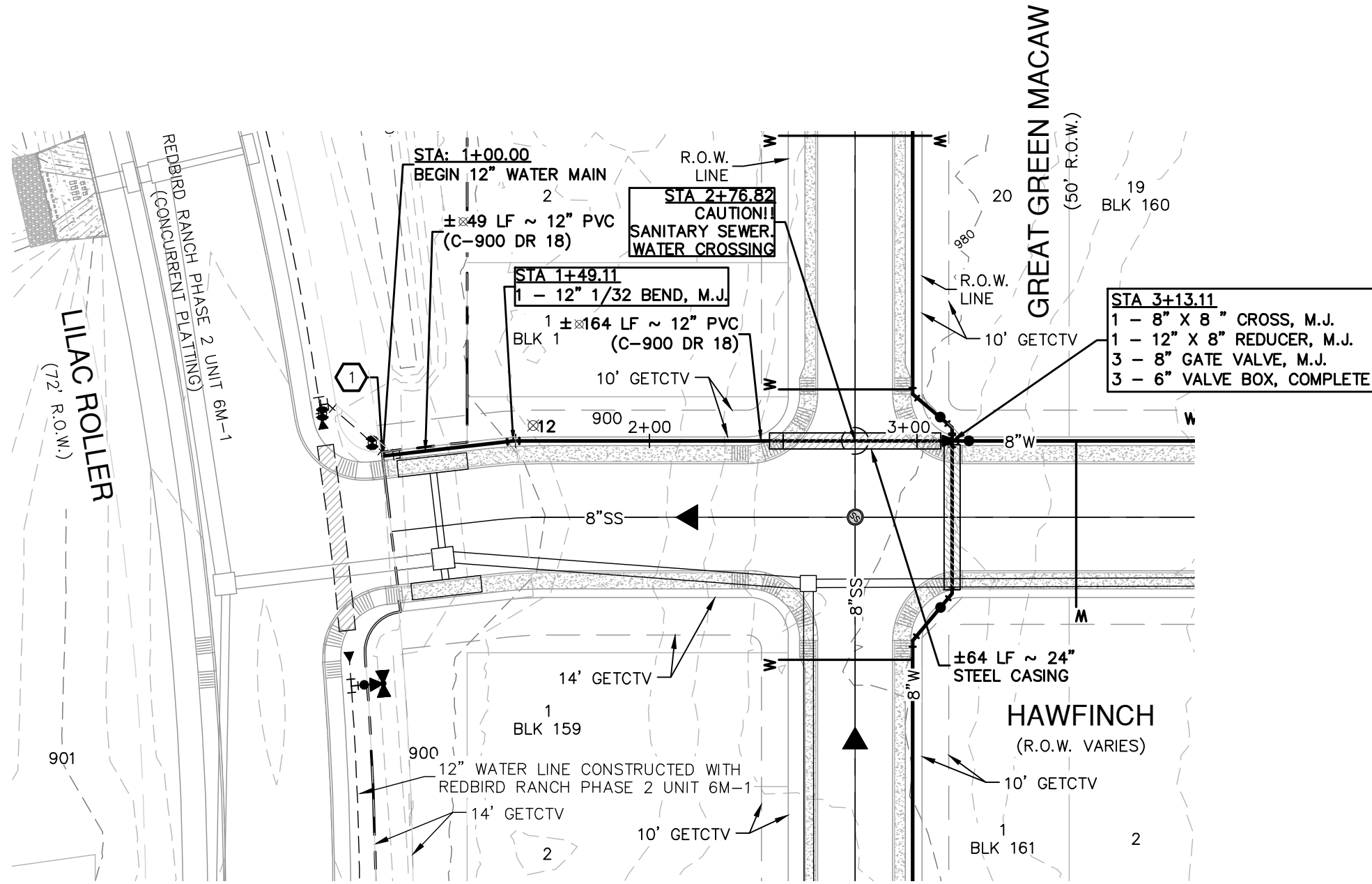
REDBIRD RANCH PHASE 2 UNIT 8M-1
MEDINA COUNTY, TEXAS
OVERALL WATER DISTRIBUTION PLAN

PLAT NO.	N/A
JOB NO.	30004-37
DATE	DECEMBER 2025
DESIGNER	GC
CHECKED	DRAWN GP
SHEET	C4.01

FOR PERMIT

Date: July 11, 2024, 4:21 PM -- User ID: jmay
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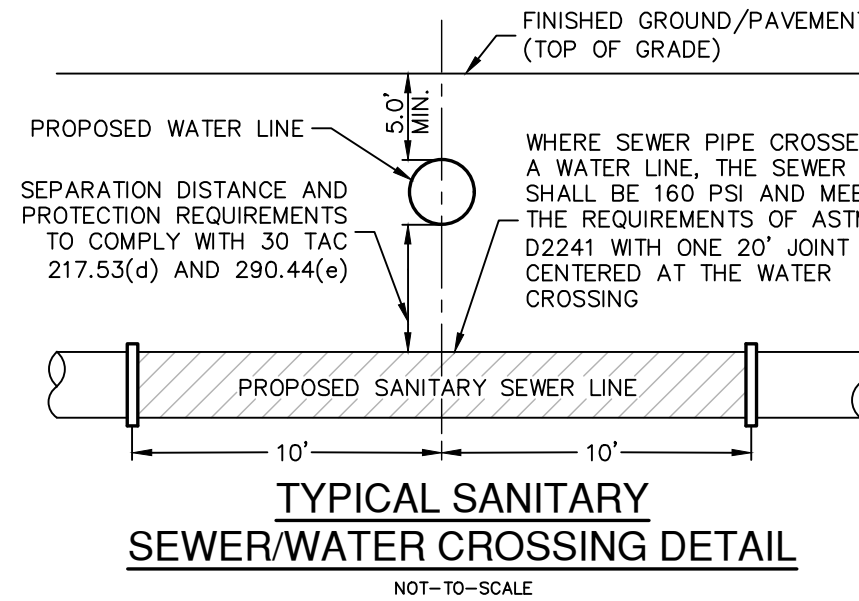
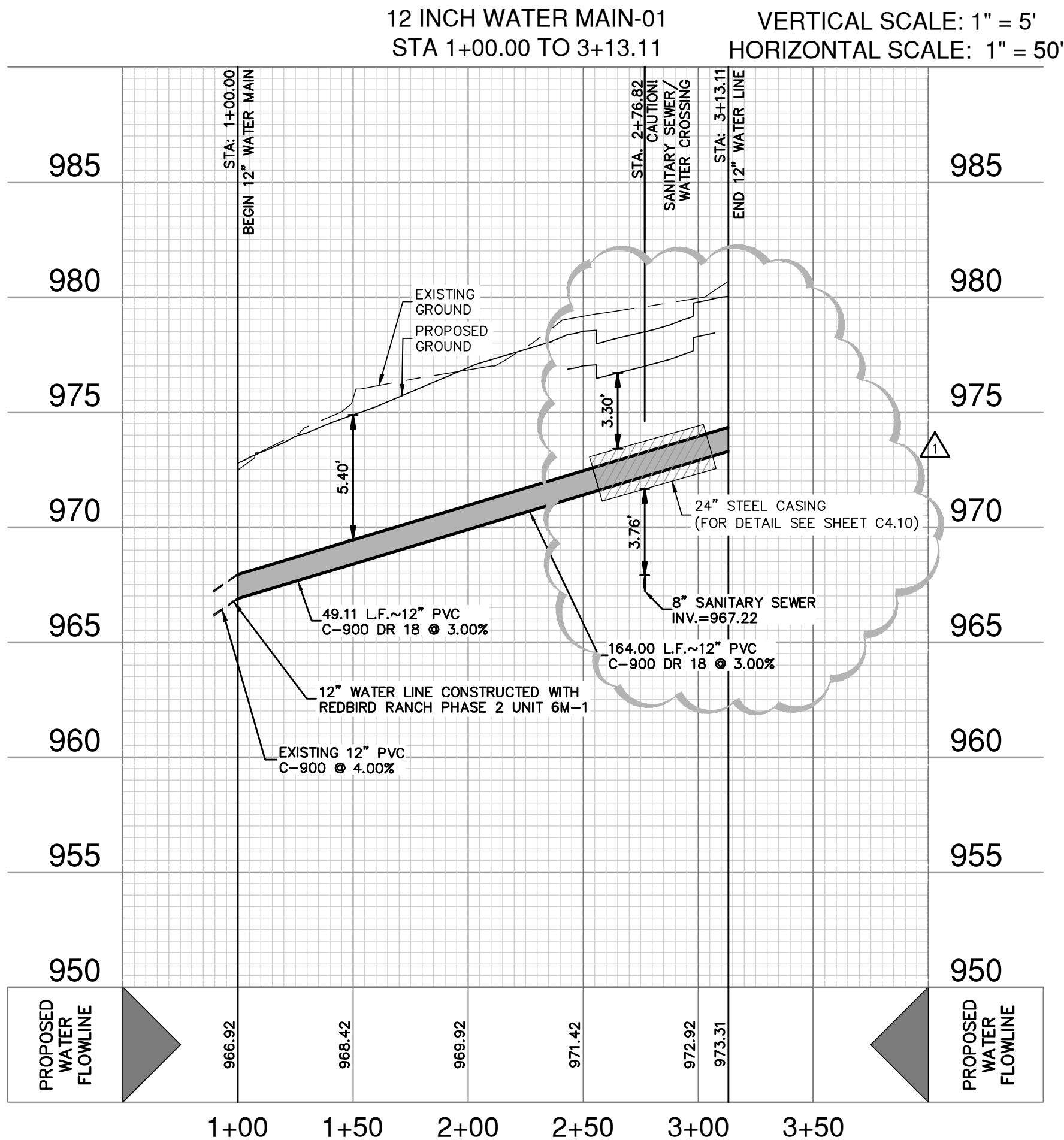
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LUES	EA	102
FIRE HYDRANT	EA	5
TEST STATION	EA	5

FOR CHLORINATION INJECTION
 2 - 1" CORPORATION STOP, C.C.XLP
 1 - 1" COPPER TUBING, CUT AS REQUIRED
 2 - 1" COMP. 1 1/4 COUPLING, CORP. STOP
 2 - 1 1/4" THD. SOLID CAPS, THR.

UPON SUCCESSFUL HYDROSTATIC TESTING, DISINFECTION OF THE NEW MAIN AND ACCEPTANCE BY YANCEY W.S.C. THE CONTRACTOR SHALL TIE TO EXISTING 12" WATER MAIN



JOINT RESTRAINT NOTE:
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DATE

1/14/26

NO.

1

REVISION

SHOW SUBGRADE.

1/14/2026

STATE OF TEXAS

HAYDEN M. FOWLKES

127195

PROFESSIONAL ENGINEER

PAPE-DAWSON

1671 INDEPENDENCE DR. STE 102 | NEW BRAUNFELS, TX 78131 | 830.632.6633

TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1028800

REDBIRD RANCH PHASE 2 UNIT 8M-1

MEDINA COUNTY, TEXAS

12 INCH WATER MAIN-01

STA 1+00.00 TO 3+13.11

PLAT NO.

30004-37

DATE

DECEMBER 2025

DRAWN

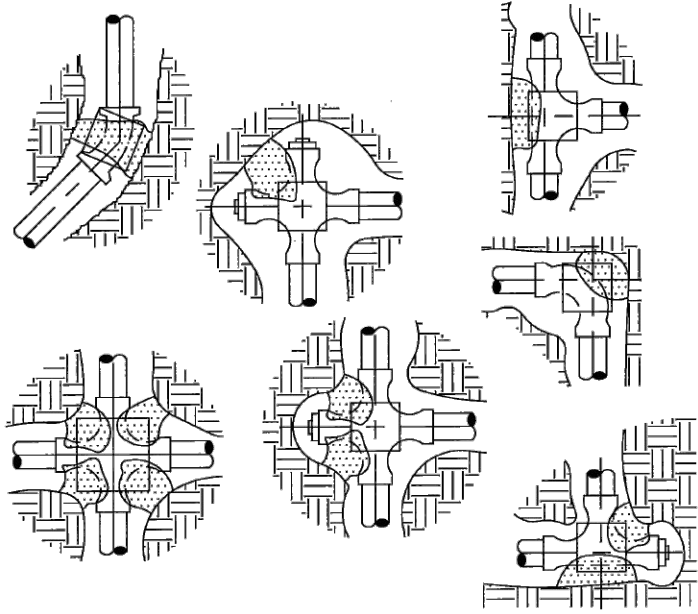
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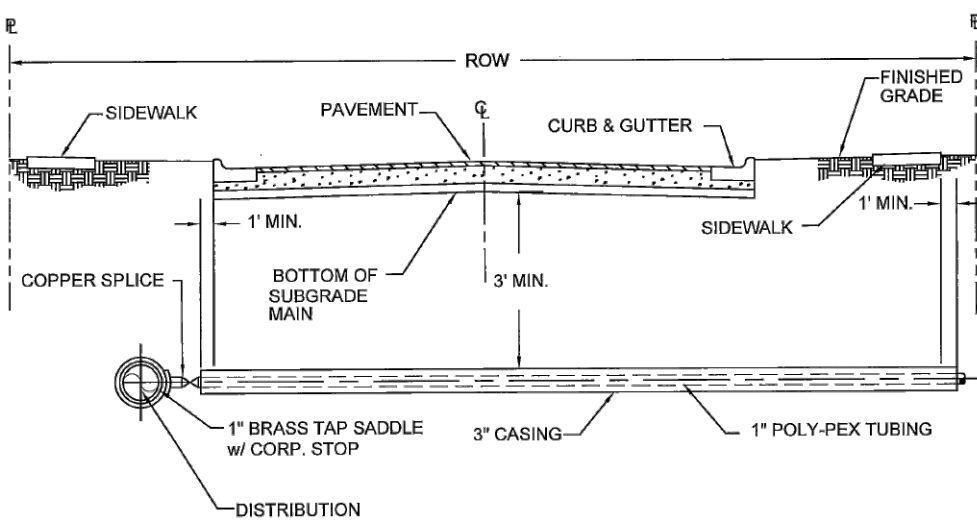
- NOTES**
1. THE EARTH BEARING SURFACE SHALL BE THE UNDISTURBED TRENCH WALL.
 2. ALL PIPE JOINTS SHALL BE KEPT FREE FROM CONCRETE.
 3. ALL THRUST BLOCKS SHALL CONTAIN A MINIMUM OF 1 1/2 CUBIC YARDS OF CONCRETE.
 4. CONCRETE SHALL BE 2000 p.s.i. AT 28 DAYS MINIMUM.
 5. ALL FITTINGS AND FITTING JOINTS MUST BE WRAPPED w/ THREE LAYERS OF 8-MIL. POLYETHYLENE IN ACCORDANCE WITH AWWA C105.
 6. 12"x12"x4" THICK CONCRETE BLOCKS SHALL BE INSTALLED DIRECTLY UNDER ALL VALVES, FITTINGS, ETC.

THRUST BLOCK ANCHORING
DETAIL
SCALE: NONE REV. DATE: 2005
DWG. W-10
YANCEY W.S.C.
MEDINA COUNTY,
TEXAS

1. All fittings 4" and larger must be installed with Mega-Lug.
2. The valve on a hot tap must be anchored to the hot tap saddle.
3. All ductile iron fittings, valves, etc. must have a stable foundation of concrete blocking.
4. The YWSC Construction Inspector is to inspect all construction material prior to installation. The Contractor should coordinate with Inspector on construction material shipments.
5. Typically, no valves may be installed under roadways, driveways or concrete.
6. Prior to construction the Contractor shall coordinate a Pre-Construction Conference with the YWSC Construction Inspector.
7. Typically, no ductile iron fittings or valves shall be installed under a public roadway or concrete.
8. The YWSC Construction Inspector must be present prior to and during distribution and pressure testing.
9. The Owner will provide water for pressure testing and disinfection testing at currently established rates. Water for other construction purposes may or may not be available. The Contractor shall coordinate with the YWSC Construction Inspector to make all arrangements for water.
10. All valve housings and meter boxes must be installed 3'-5" above finished grade for approval. Any valve housings or meter boxes installed at or below grade will not be accepted.
11. All water distribution and transmission main fittings must be ductile iron.
12. All bolts on Mechanical Joint fittings and/or Mega-Lugs must be wrapped in plastic prior to concrete being poured.
13. Adequate chlorine residuals must be recorded 24 hours before bacteriological samples may be taken.
14. Any contractor taking Yancey water for construction purposes prior to the water mains being disinfected must have an air gap at the entry point on the truck or backflow preventer at the bottom of tank.
15. All required water samples must be taken by the Contractor.
16. After final acceptance, by Yancey, of the water system improvements Yancey will be provided a one-year warranty by the Contractor.
17. Upon final acceptance, by Yancey, of the water system improvements, the improvements will become sole property of Yancey.
18. Water and Wastewater services must maintain a minimum of 12" vertical separation, preferably 24".
19. All inline valves over 12" nominal size shall be butterfly valves rather than gate valves.
20. Yancey W.S.C. Construction Inspector has full responsibility of reviewing contractor's work, materials, etc. Failure to comply with YWSC specifications will result in rejection of the work & delay of service until compliance is met.
21. All water lines 2" and smaller shall be ASTM D2241, SDR 21 unless otherwise approved. All water lines 4" and larger shall be AWWA C900 DR 15.
22. All encasement material for water distribution or transmission mains shall be steel.
23. Any exceptions to this requirement must be granted by YWSC Management.
24. 2"-10" gate valves shall be Mueller Company A-2000 Series Resilient Wedge MJ ends, 10" and larger butterfly valves shall be Mueller.
25. Fire hydrants shall be Mueller Company Cast Iron 250, A-423.
26. Contractor to pressure test water lines at 200 psi for first 15 minutes and 150 psi for the remaining 3 hours and 45 minutes. Yancey uses 10% of AWWA water loss during pressure test.
27. Test Station shall be "Copperhead Strainer" (Lin Duty Adjustable Box Type)
28. Each fitting requires a minimum of two (2) joint, bell and harness secures, each way, where possible.
29. All fittings require Mechanical Joint Restraints and Concrete Thrust Blocking.
30. Foster Adapters are required between all fittings.
31. Valve stem (stem / valve extension) are required on all valves and the extension nut shall be installed within 2" of finished grade.
32. Contractor shall install tracer wire (412, AWG) in all trenches, including all meter services, terminating inside the meter box.
33. All water service line shall be Municipal (F1000) by Hahnau.
34. Casing weld joints must meet the American Welding Society (AWS) standards.

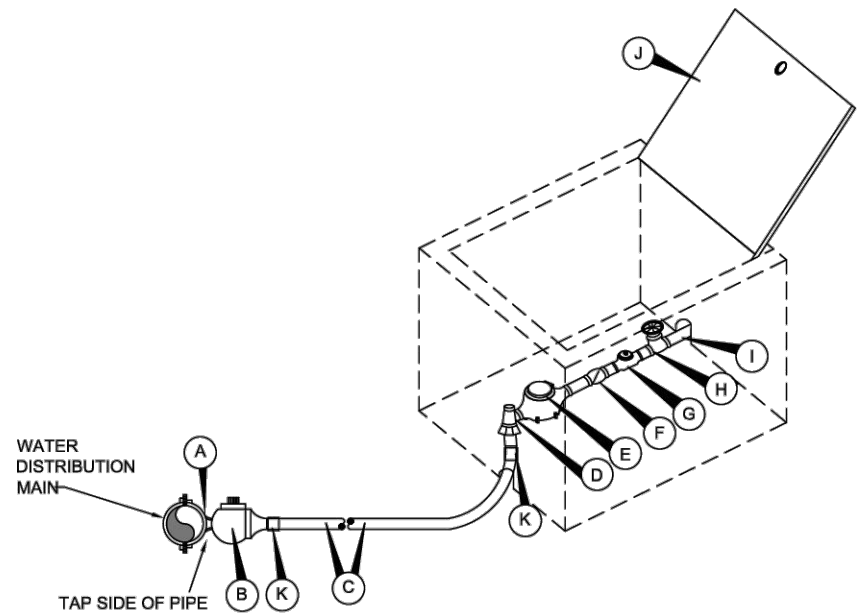
GENERAL CONSTRUCTION NOTES
SCALE: NONE REV. DATE: 0419
DWG. W-1
YANCEY W.S.C.
MEDINA COUNTY,
TEXAS

NOTE:
UNLESS OTHERWISE REQUIRED BY THE
ROADWAY AUTHORITY, CASING PIPE
SHALL BE SCH 40 PVC.



**SERVICE LINE
BORING & ENCASEMENT DETAILS-URBAN**

METER SERVICE DETAIL
SCALE: NONE REV. DATE: 0915
DWG. W-6
YANCEY W.S.C.
MEDINA COUNTY,
TEXAS



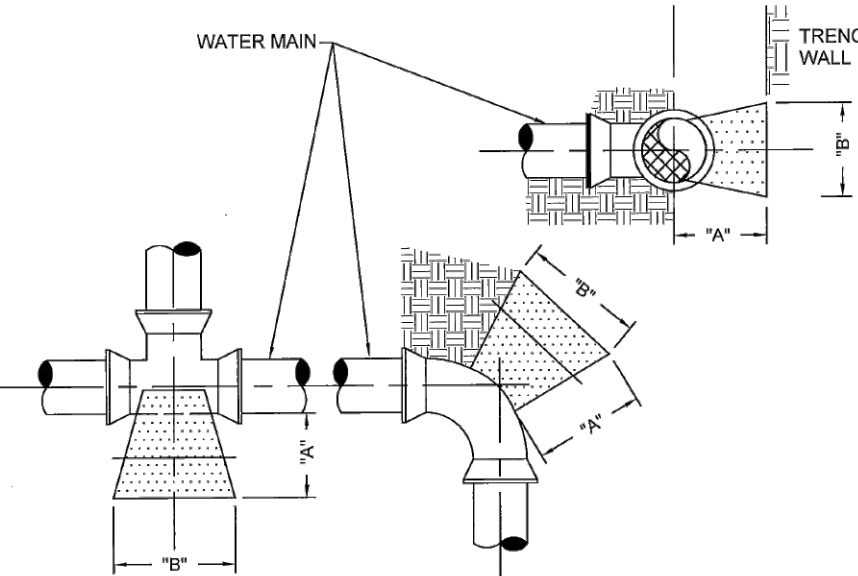
MATERIAL LIST

- | | | |
|---|---|--|
| A. BRASS SADDLE
ON LINES 4" <
1" SADDLE - FORD 30285
1-1/2" SADDLE - FORD 30285
2" SADDLE - FORD 30285
ON LINES 8" TO 12"
1" SADDLE - FORD 30285
1-1/2" SADDLE - FORD 30285
2" SADDLE - FORD 30285
ON LINES 14" <
1" SADDLE - FORD 30285
1-1/2" SADDLE - FORD 30285
2" SADDLE - FORD 30285 | E. WATER METER
(WILL BE PROVIDED BY YANCEY)
F. ZURN PRESSURE REDUCING VALVE
(WILL BE PROVIDED BY YANCEY)
G. REGULATOR
(WILL BE PROVIDED BY YANCEY)
H. BALL VALVE CURB, NON-RISING STEM, MALE I.P.T. BY FEMALE I.P.T.
1" - FORD
1-1/2" - FORD
2" - FORD
(WILL BE PROVIDED BY YANCEY) | K. STAINLESS STEEL INSERT
1" - FORD 81
1-1/2" - FORD 84
2" - FORD 85 |
| B. CORP. STOP
1" - FORD FB1150-A-GAL
1-1/2" - FORD FB1150-A-GAL
2" - FORD FB1150-A-GAL | I. CUSTOMER SERVICE LINE MEETING PLUMBING CODE REQUIREMENTS
(WILL BE PROVIDED BY CUSTOMER)
J. PLASTIC METER BOX w/LD METER
SECOND METER BOX MAY BE REQUIRED FOR DUAL CHECK VALVE | |
| C. SERVICE LINE
1" - POLY-PEX TUBING
1-1/2" - POLY-PEX TUBING
2" - POLY-PEX TUBING | | |
| D. COMPRESSION 90 (ANGLE) STOP
1" - FORD 8A43-44W-GAL
1-1/2" - FORD 8A43-44W-GAL
2" - FORD 8A43-44W-GAL | | |

1"-2" COMMERCIAL
METER SERVICE DETAIL
SCALE: NONE REV. DATE: 0320
DWG. W-34
YANCEY W.S.C.
MEDINA COUNTY,
TEXAS

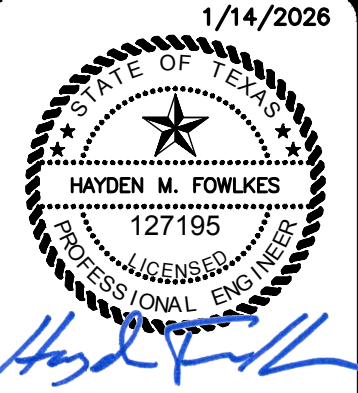
PIPE SIZE	DIMENSION "B" (SQUARE)				VALVES
	PLUGS	BENDS	BENDS	BENDS	
4"x6"	1'-3"	1'-0"	1'-0"	8'	1'-3"
8"	1'-0"	2'-0"	1'-0"	1'-0"	1'-0"
10"	2'-0"	2'-0"	1'-0"	1'-3"	2'-0"
12"	2'-0"	3'-0"	2'-0"	1'-0"	2'-0"
16"	3'-3"	4'-0"	2'-0"	2'-0"	2'-0"

DIMENSION "A" SHALL BE A MINIMUM OF
1'-0" BUT IS TO BE INCREASED WHERE
NECESSARY TO PROVIDE BEARING AGAINST
UNDISTURBED TRENCH WALL.



THRUST BLOCK DIMENSIONING
DETAIL
SCALE: NONE REV. DATE: 2005
DWG. W-8
YANCEY W.S.C.
MEDINA COUNTY,
TEXAS

NO.	REVISION	DATE
1	WATER DETAIL UPDATED.	1/14/26



PAPE-DAWSON
1671 INDEPENDENCE DR. STE 102 | NEW BRAUNFELS, TX 78132 | 1.800.632.6533
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1028800

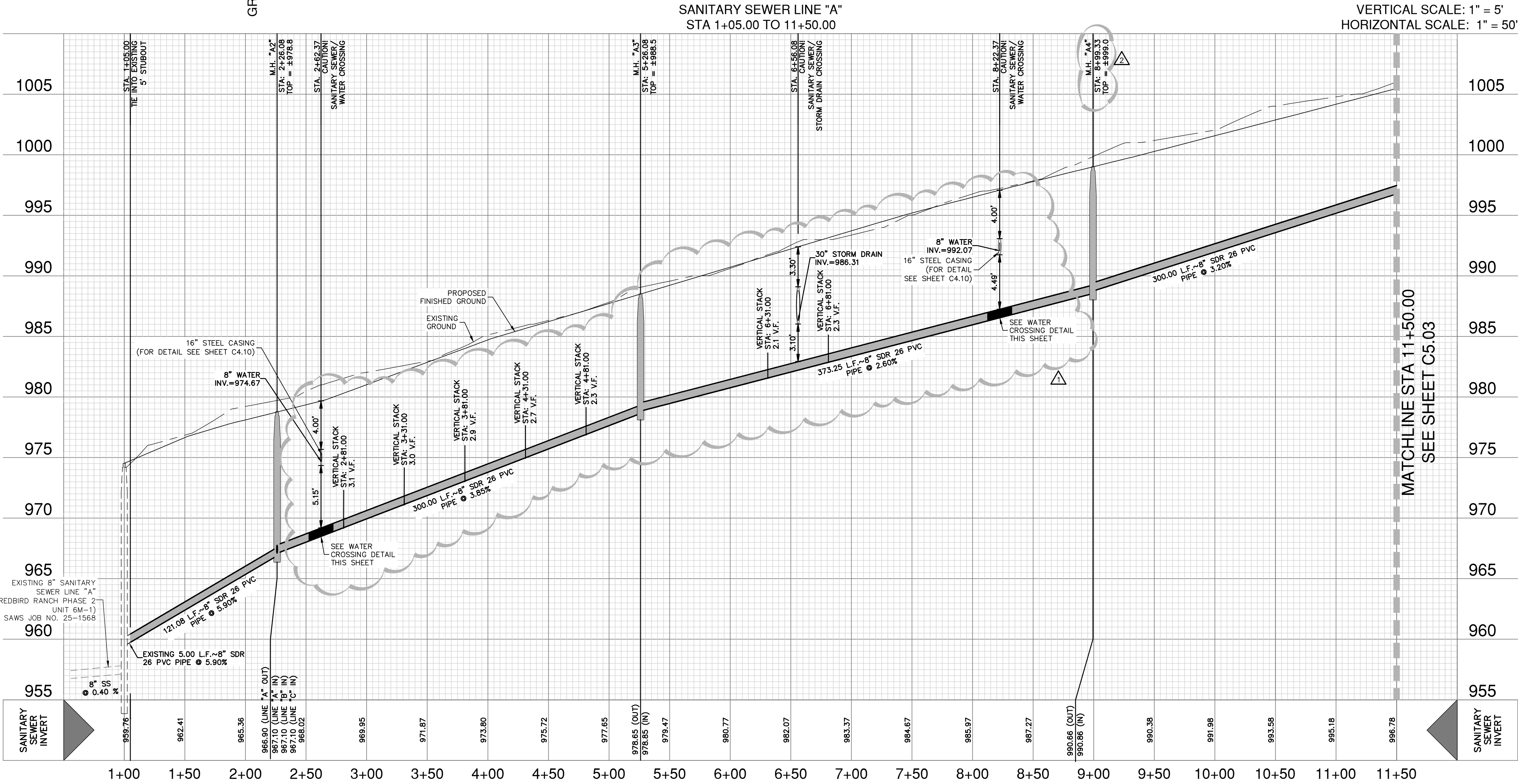
REDBIRD RANCH PHASE 2 UNIT 8M-1
MEDINA COUNTY, TEXAS
WATER DISTRIBUTION DETAILS

PLAT NO.	N/A
JOB NO.	30004-37
DATE	DECEMBER 2025
DESIGNER	GC
CHECKED	DRAWN
SHEET	C4.11

FOR PERMIT

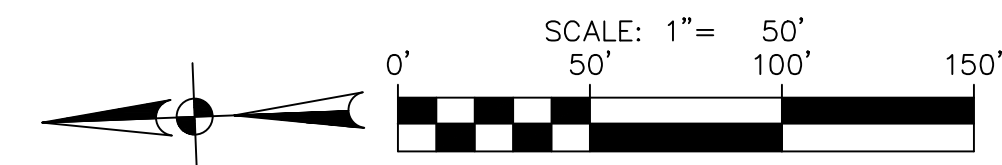
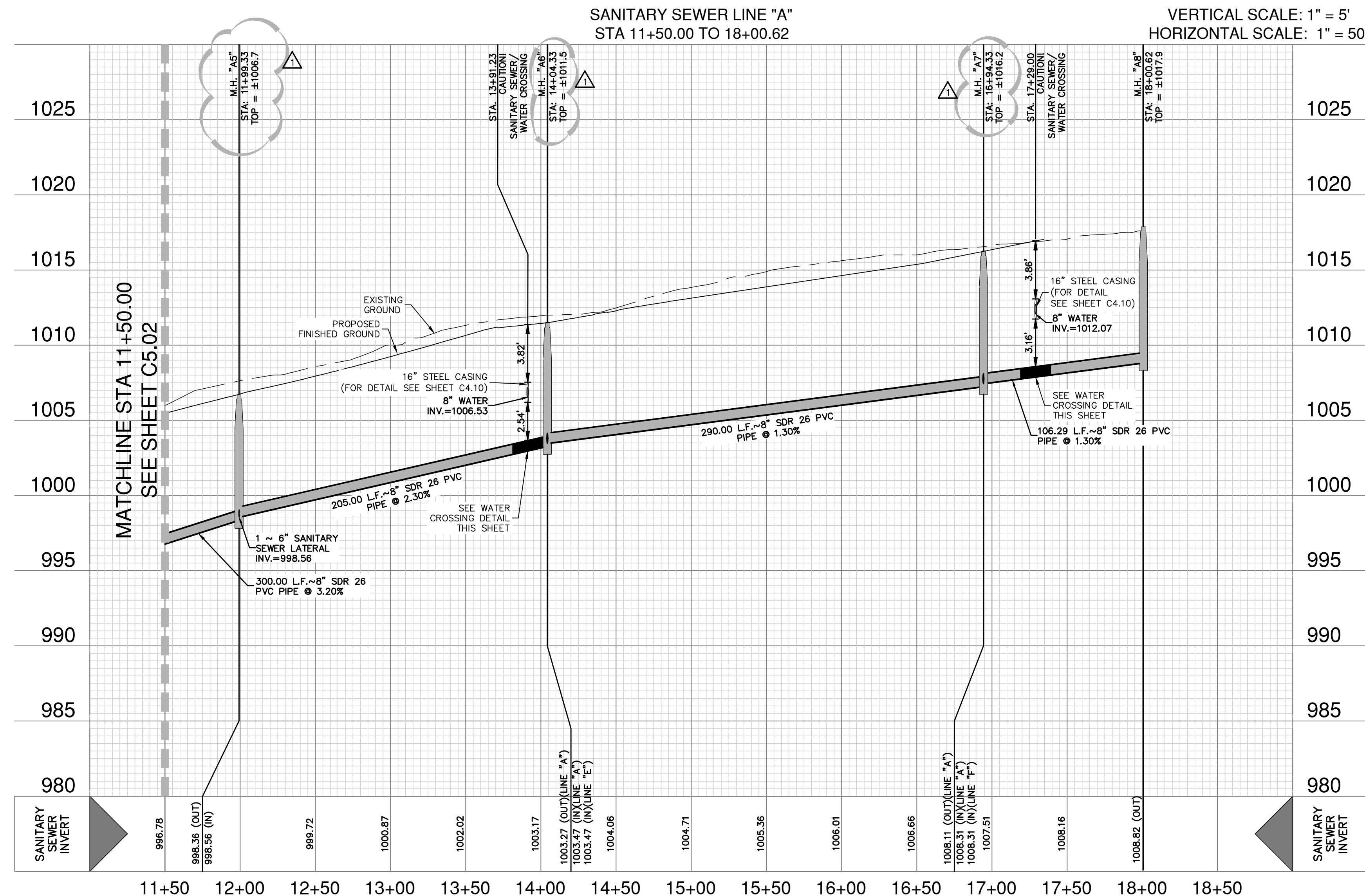
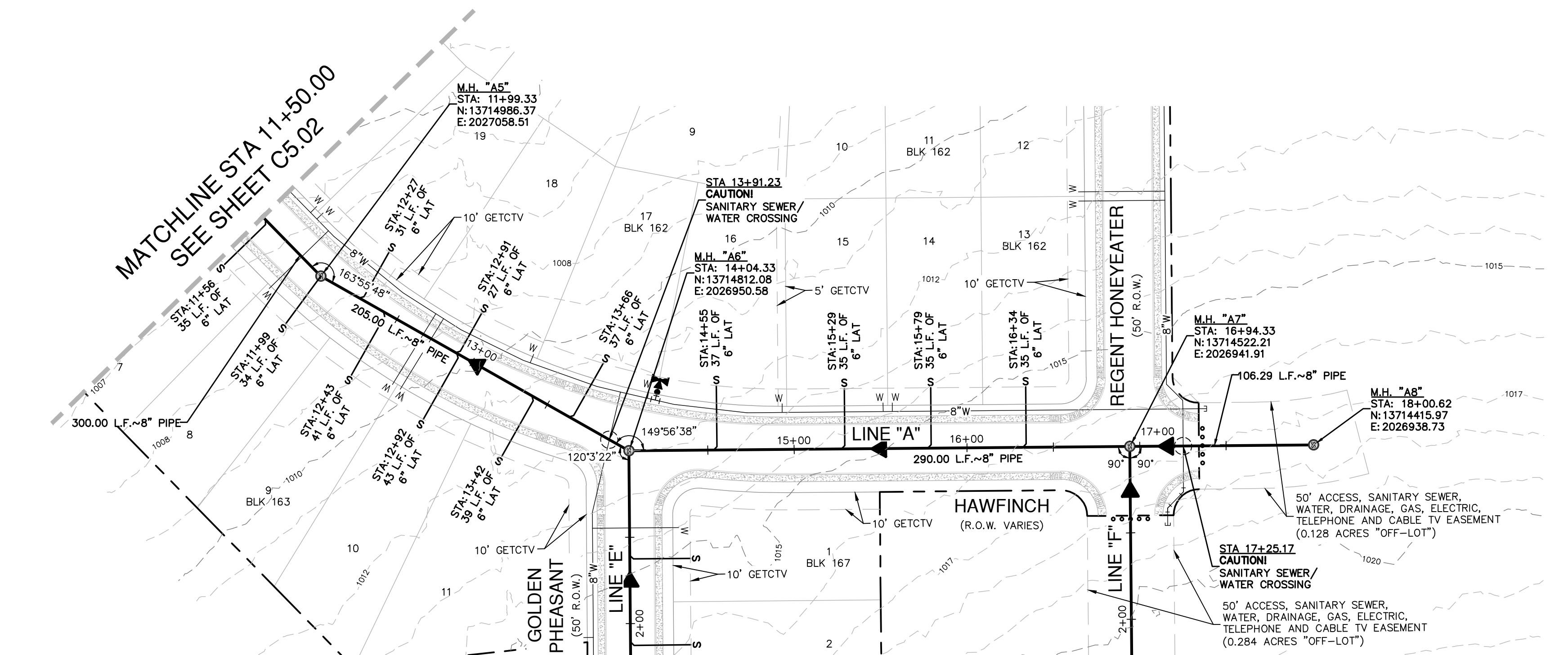
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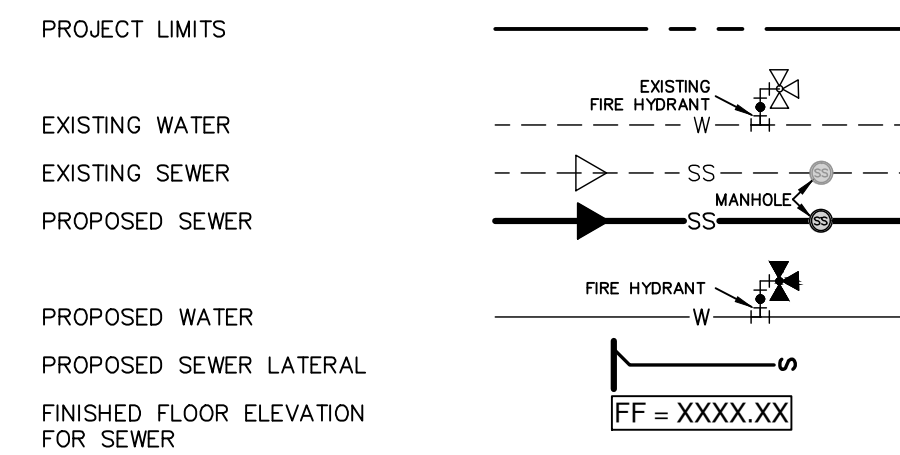


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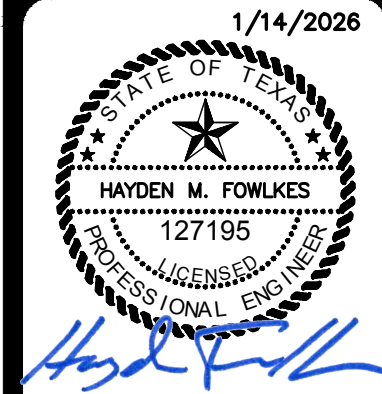
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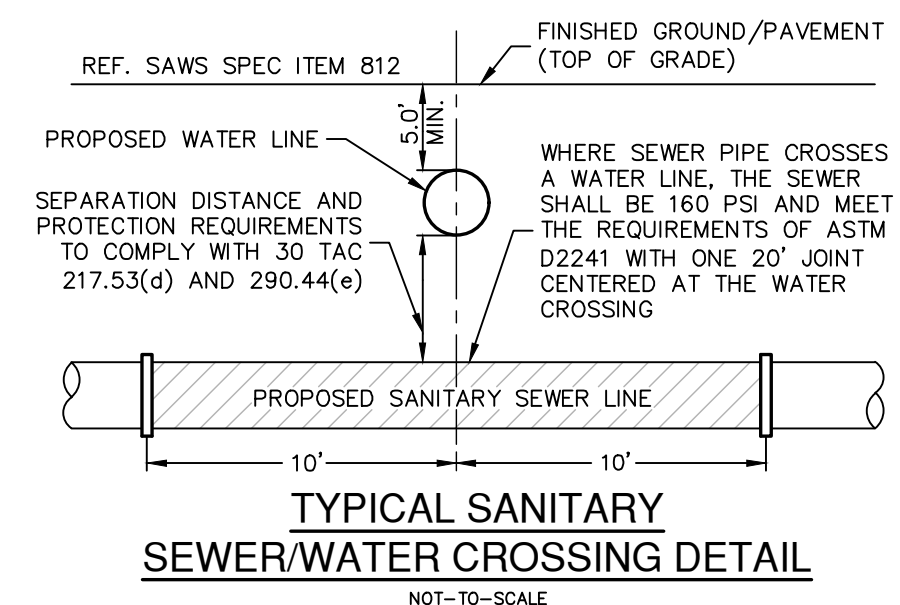
SEWER LEGEND



NO.	REVISION	DATE
1	MANHOLE UPDATED.	1/14/26



PAPE-DAWSON
1671 INDEPENDENCE DR. STE 102 | NEW BRAUNFELS, TX 78131 | 830.632.6533
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1028800



CAUTION!!

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DEVELOPER'S NAME: CONTINENTAL HOMES OF TEXAS, L.P.			
ADDRESS: 5419 N. LOOP 1604 E.			
CITY: SAN ANTONIO	STATE: TEXAS	ZIP: 78247	
PHONE# 210-496-2668	FAX#		
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TOTAL LINEAR FOOTAGE OF PIPE: 4,328 L.F. of 8" SS Man PLAT NO.			
NUMBER OF LOTS 102 SAWS JOB NO. 25-1567			

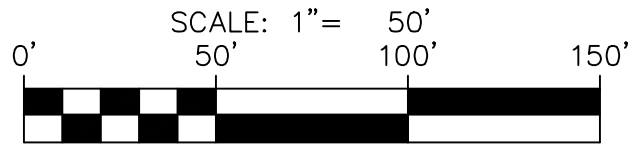
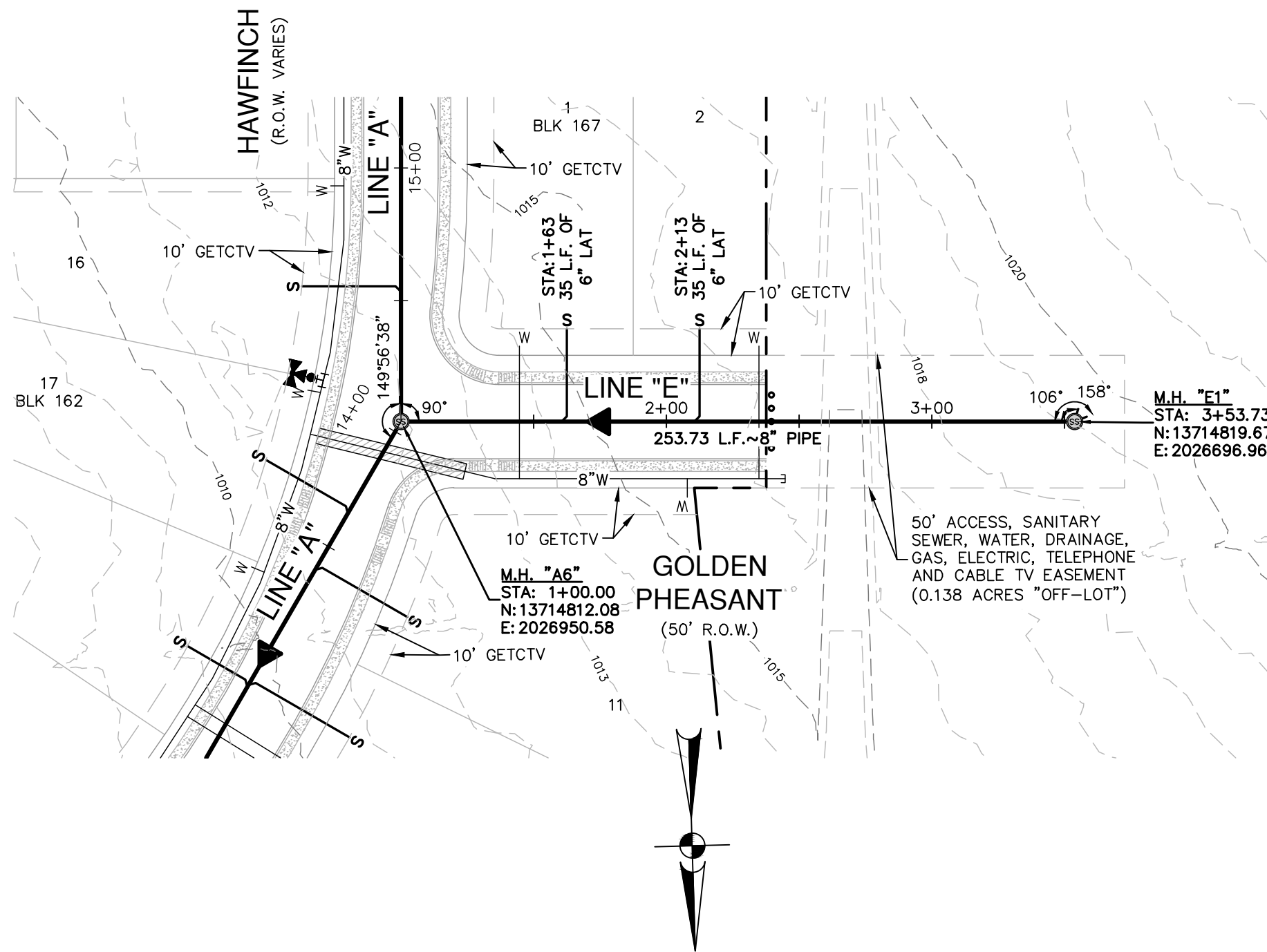
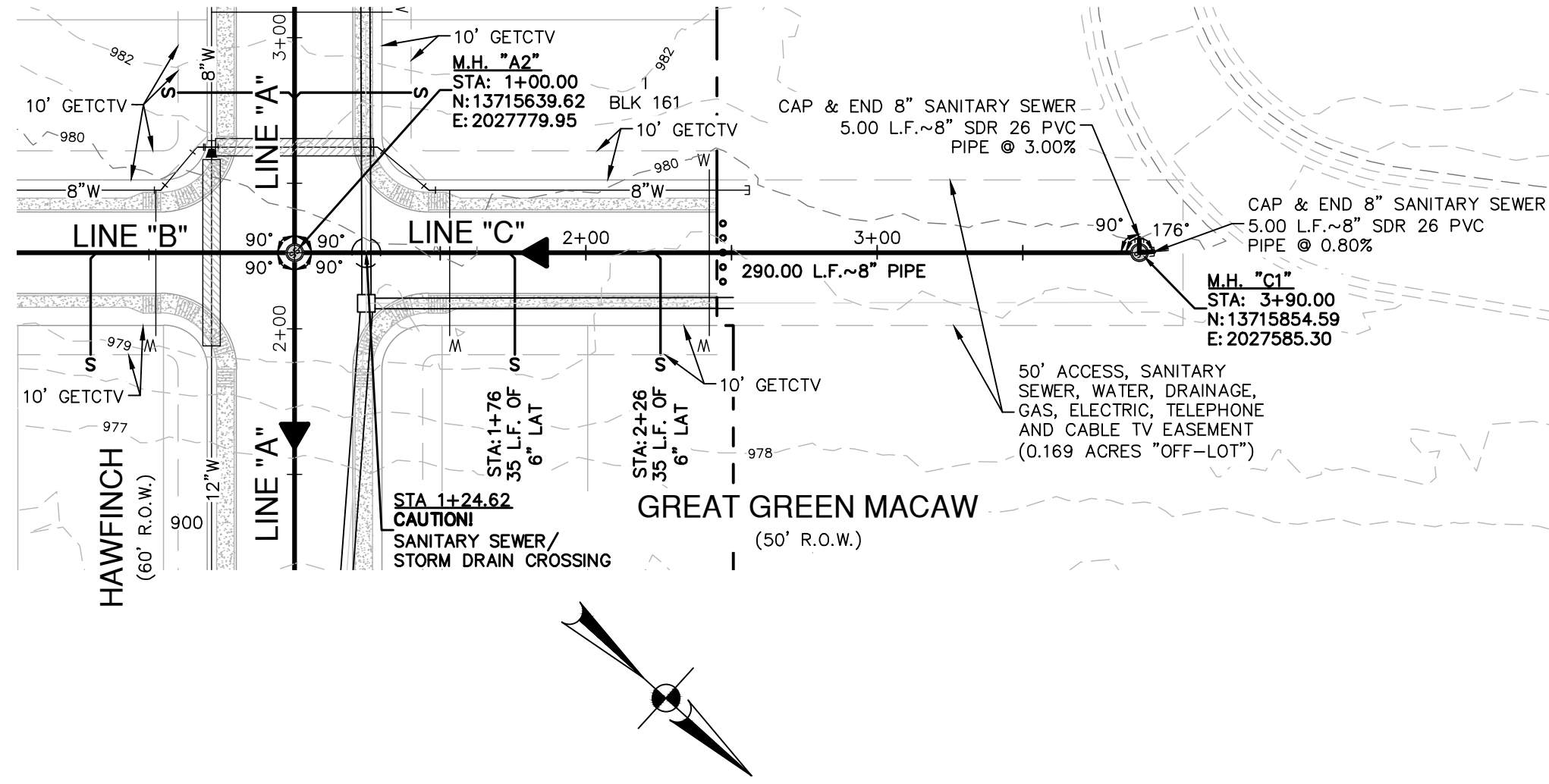
REDBIRD RANCH PHASE 2 UNIT 8M-1
MEDINA COUNTY, TEXAS
SANITARY SEWER LINE A - PLAN & PROFILE
STA 11+50.00 TO 18+00.62

PLAT NO.	JOB NO.
30004-37	30004-37
DATE	DESIGNER
DECEMBER 2025	GC
CHECKED	DRAWN
GP	GP
SHEET	C5.03

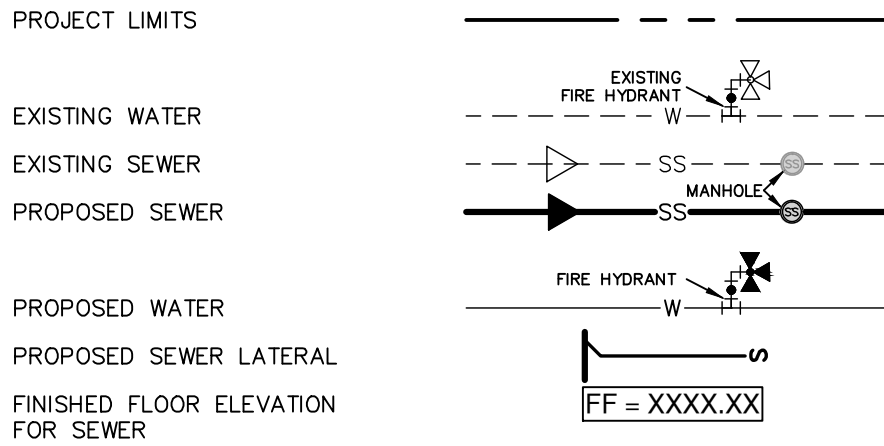
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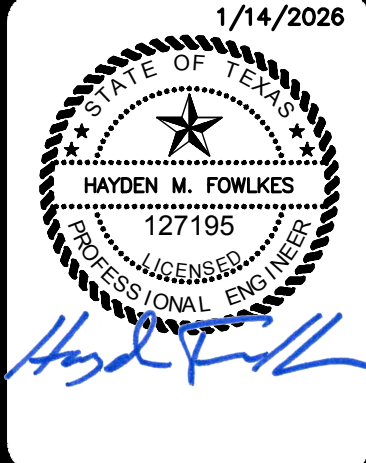
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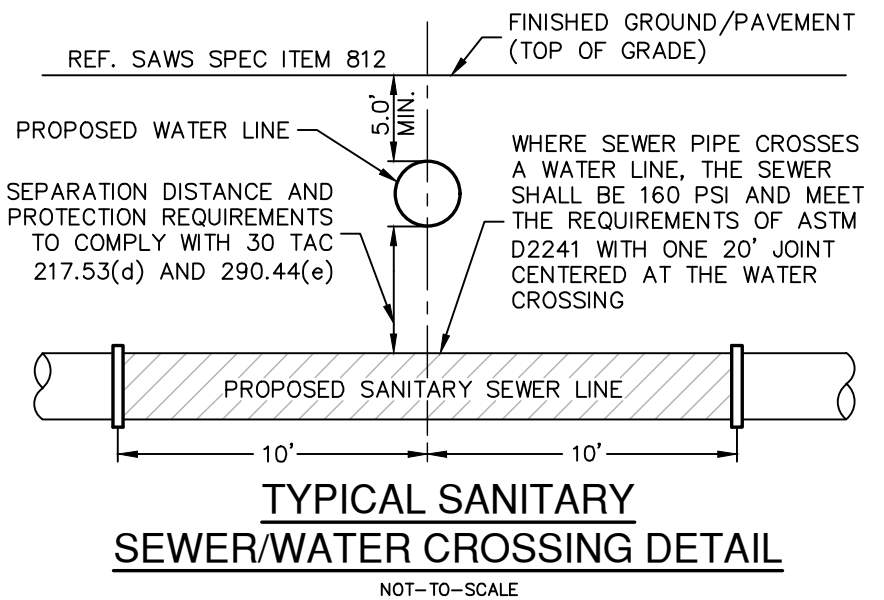
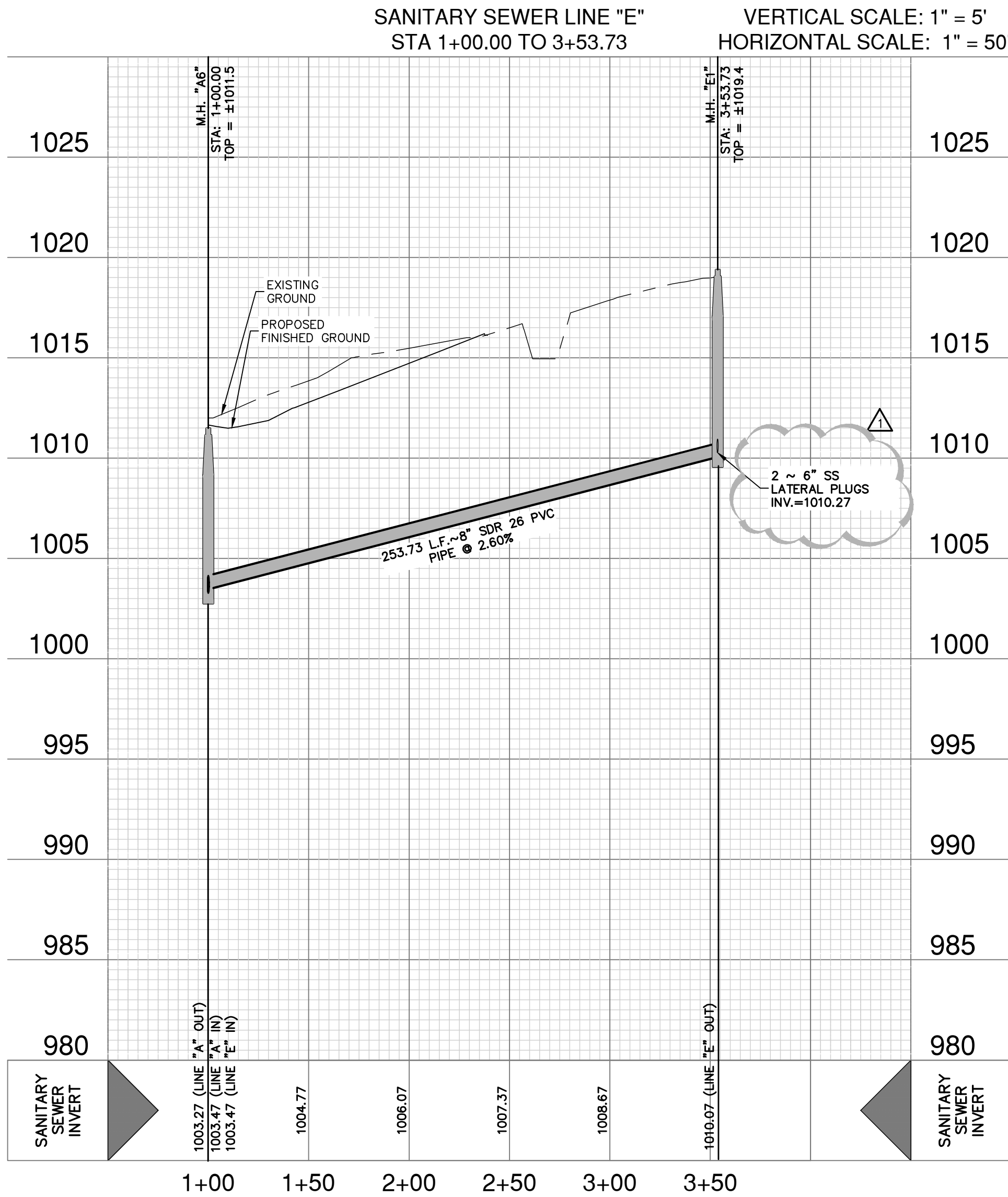
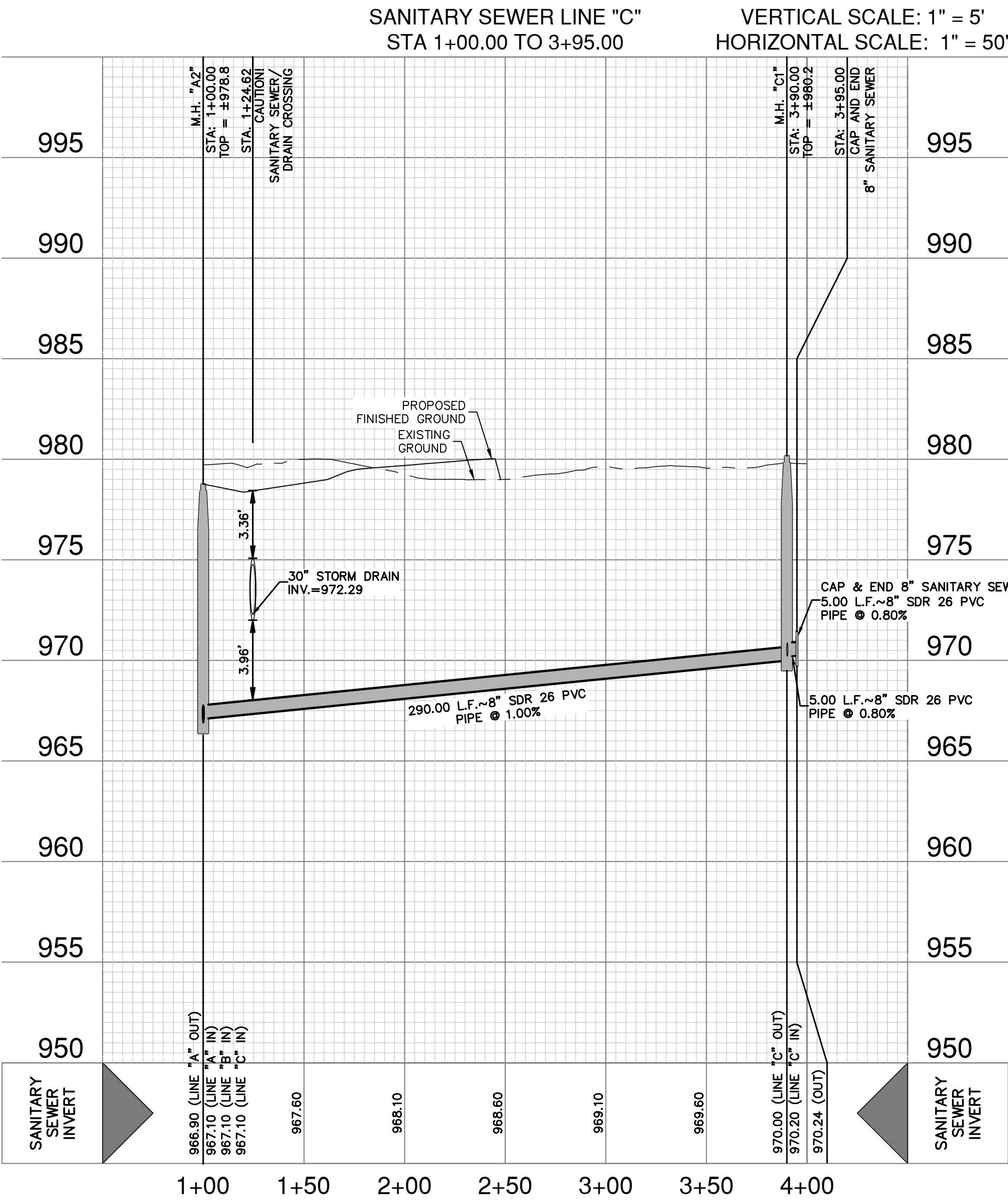
SEWER LEGEND



NO.	REVISION	DATE
1	INVERT UPDATED.	1/14/26



PAPE-DAWSON
1671 INDEPENDENCE DR. STE 102 | NEW BRAUNFELS, TX 78131 | 1.830.632.6533
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1028800



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NUMBER OF LOTS 102 SAWS JOB NO. 25-1567			

REDBIRD RANCH PHASE 2 UNIT 8M-1
MEDINA COUNTY, TEXAS

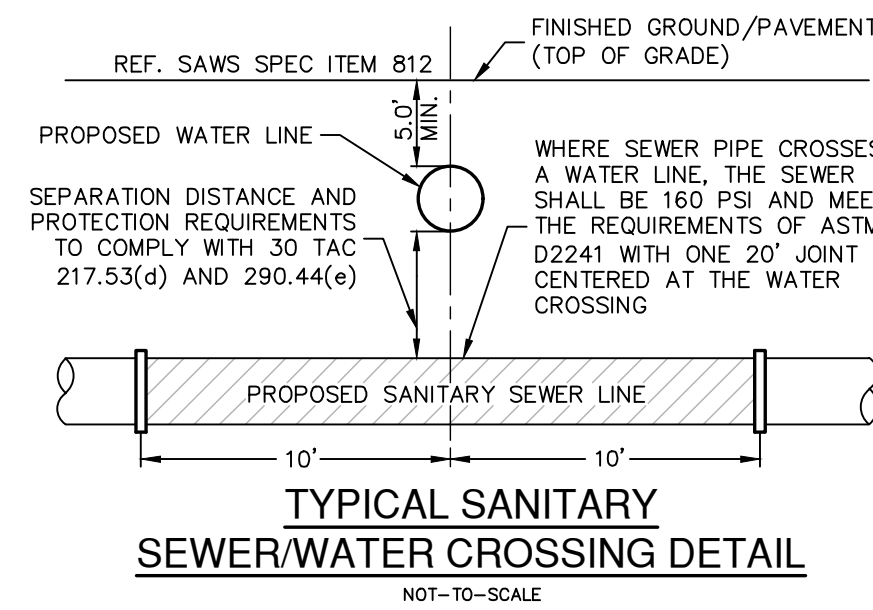
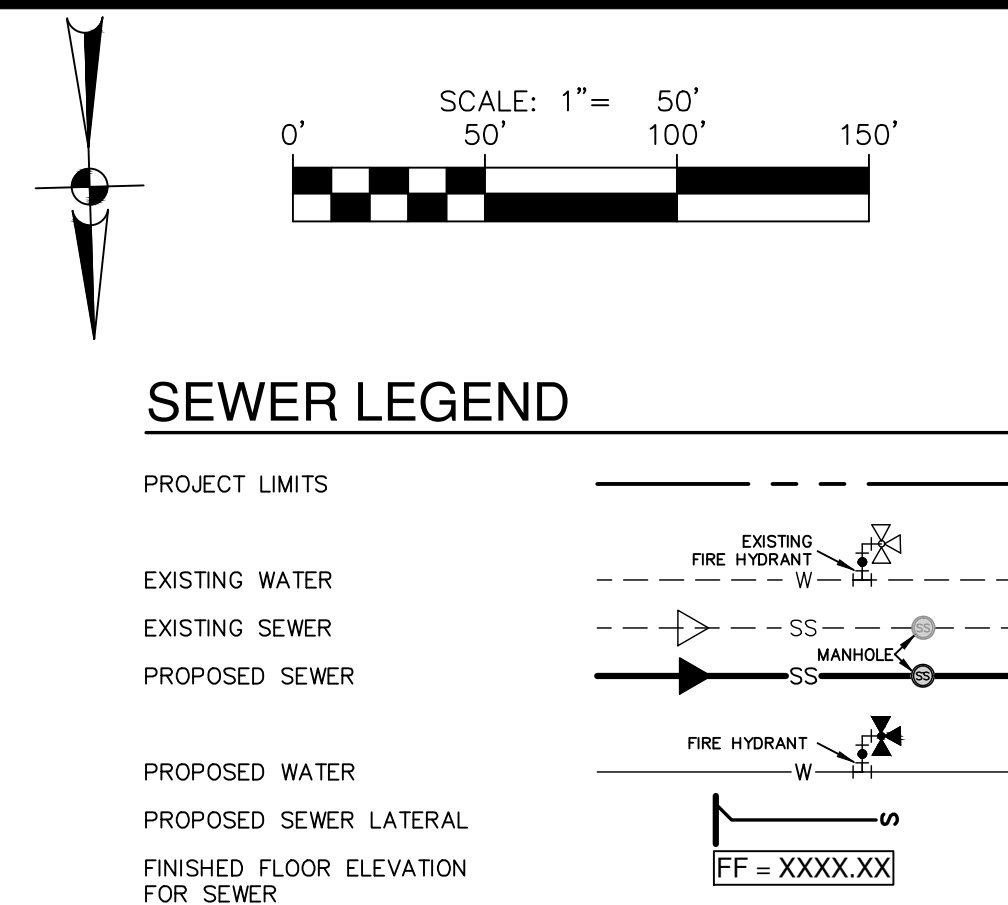
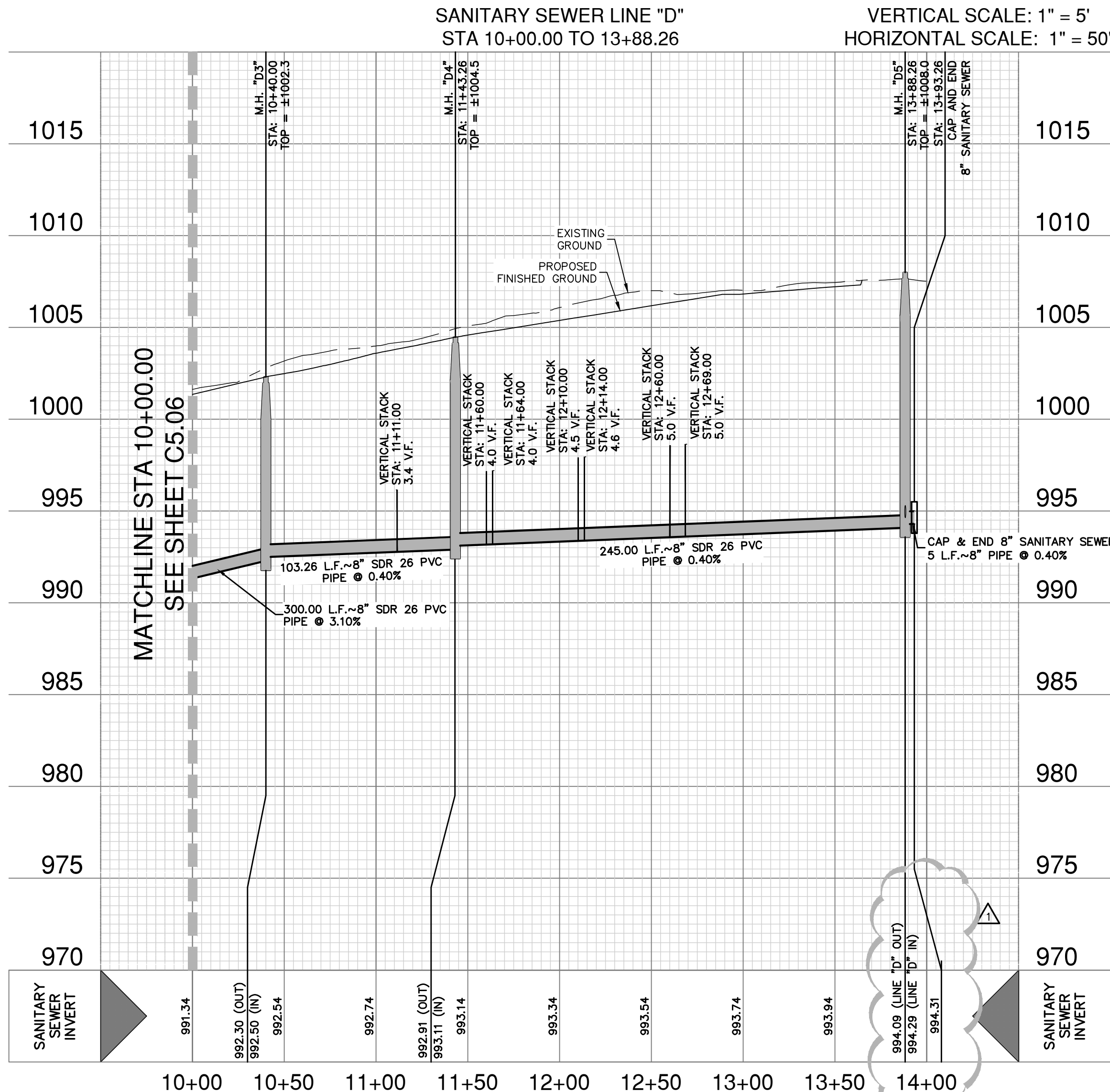
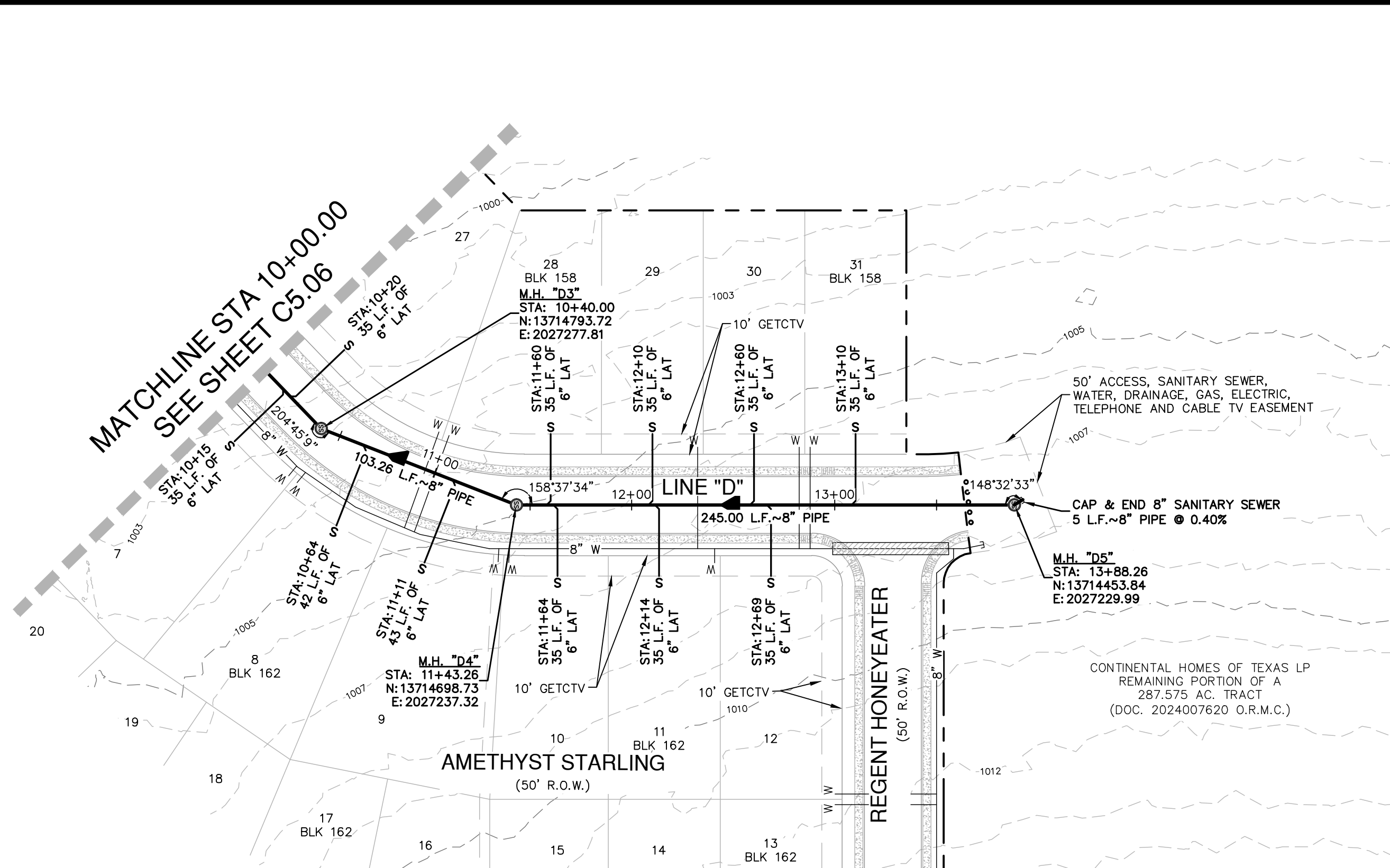
SANITARY SEWER LINE C & E - PLAN & PROFILE
SEE SHEET FOR STATIONING

PLAT NO.	JOB NO.
30004-37	30004-37
DATE	DESIGNER
DECEMBER 2025	GC
CHECKED	DRAWN
GP	GP
SHEET	C5.05

FOR PERMIT

Date: July 11, 2024, 4:22 PM - User ID: jmay
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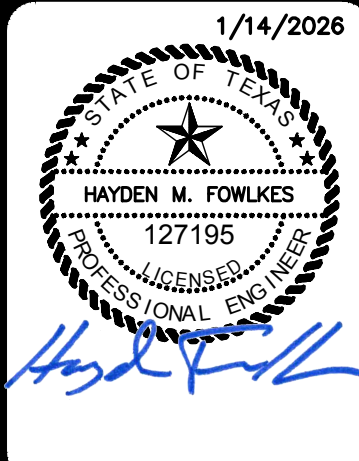
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NUMBER OF LOTS 102 SAWS JOB NO. 25-1567			

NO.	REVISION	DATE
1	CAP ELEVATION ADDED.	1/14/26



PAPE-DAWSON
1671 INDEPENDENCE DR. STE 102 | NEW BRAUNFELS, TX 78131 | 830.632.6533
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1028800

REDBIRD RANCH PHASE 2 UNIT 8M-1
MEDINA COUNTY, TEXAS

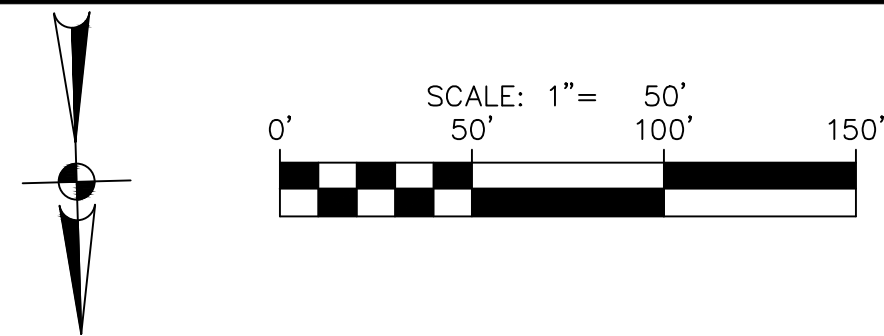
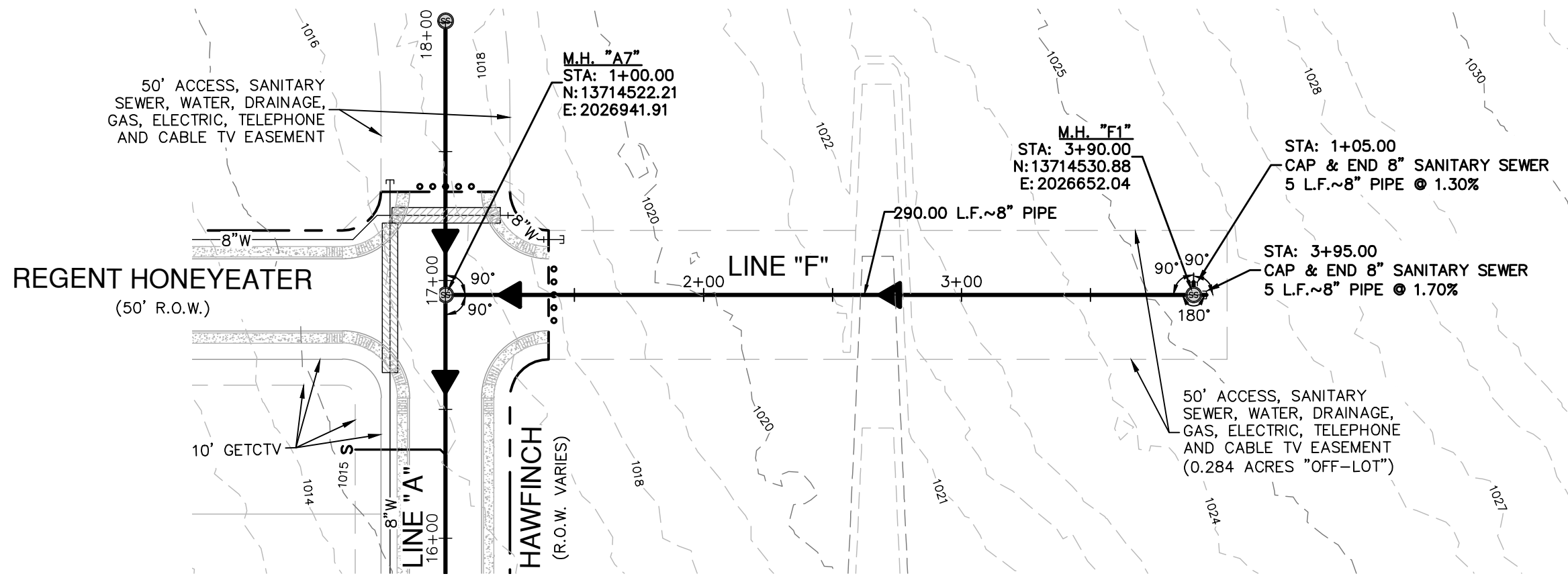
SANITARY SEWER LINE D - PLAN & PROFILE
STA 10+00.00 TO 13+88.26

PLAT NO.	JOB NO.
30004-37	30004-37
DATE	DRAWN
DECEMBER 2025	GP
CHECKED	DRAWN
C5.07	

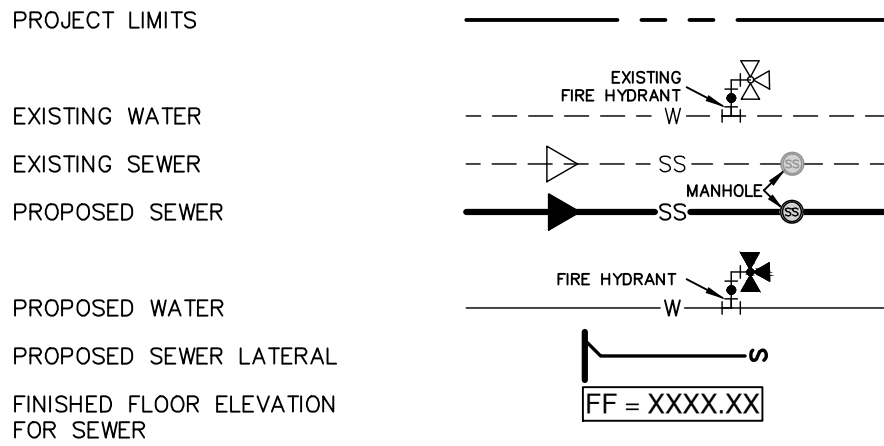
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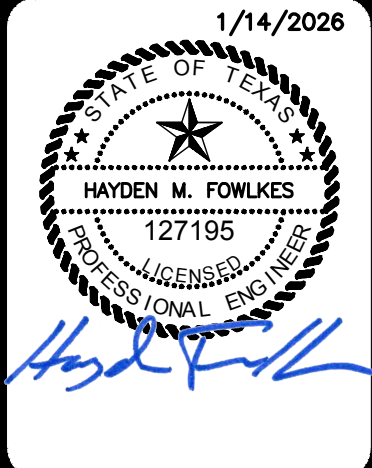
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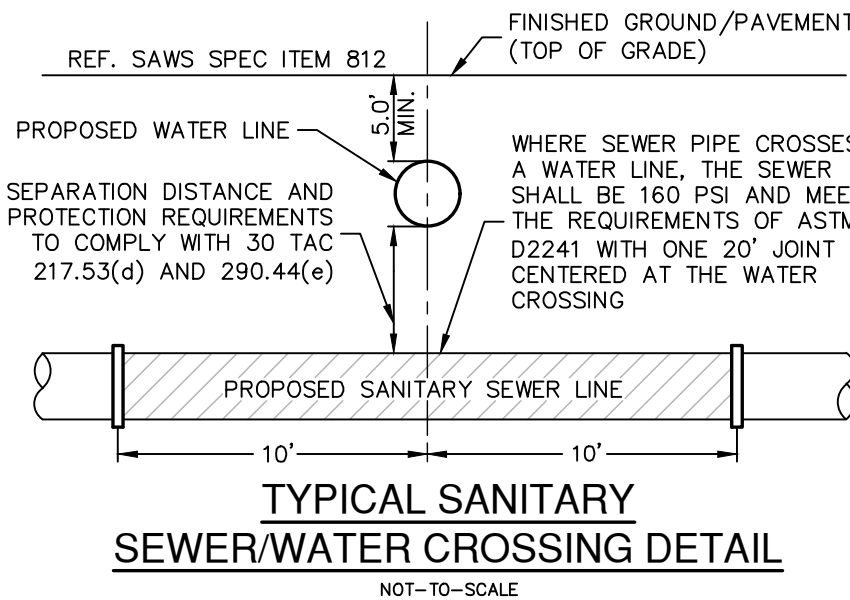
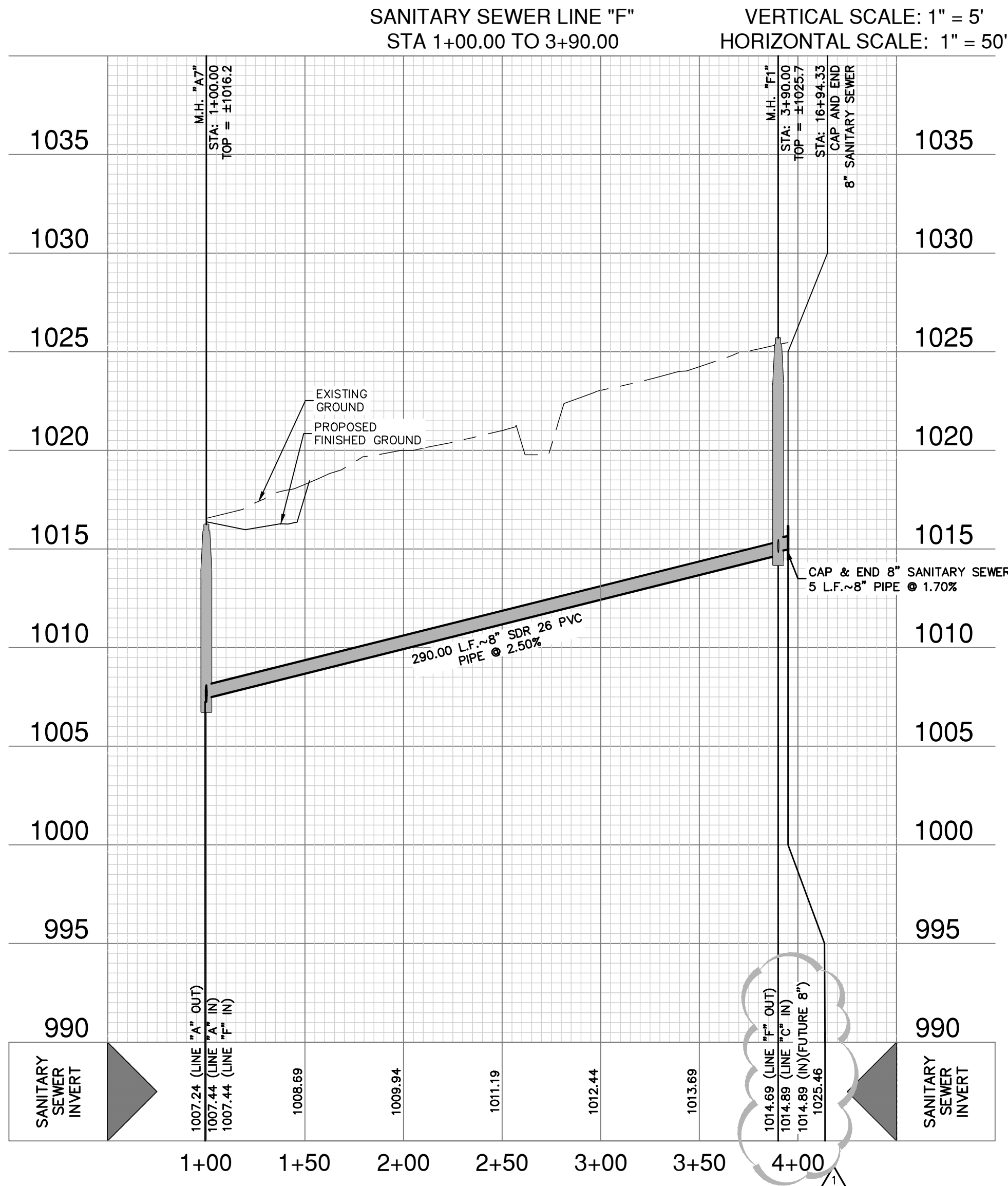
SEWER LEGEND



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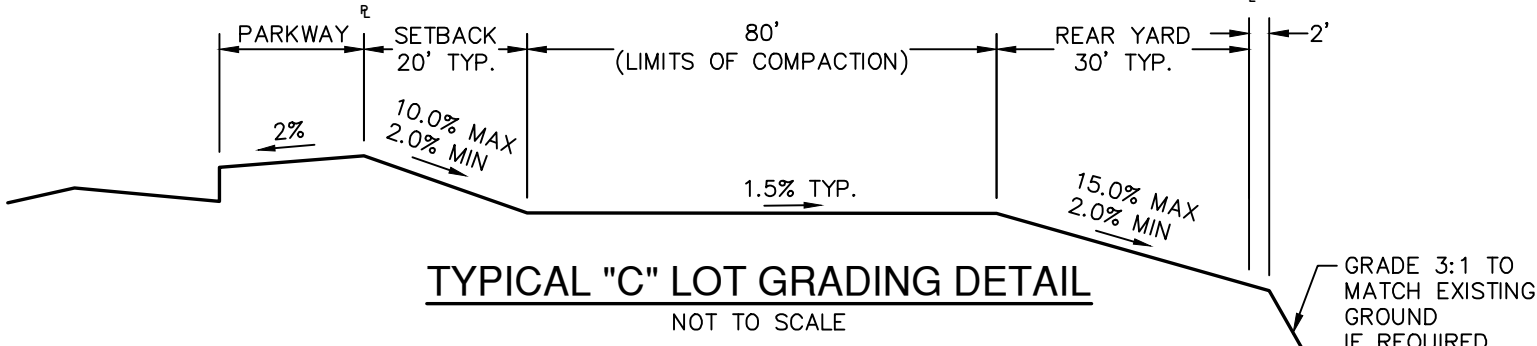
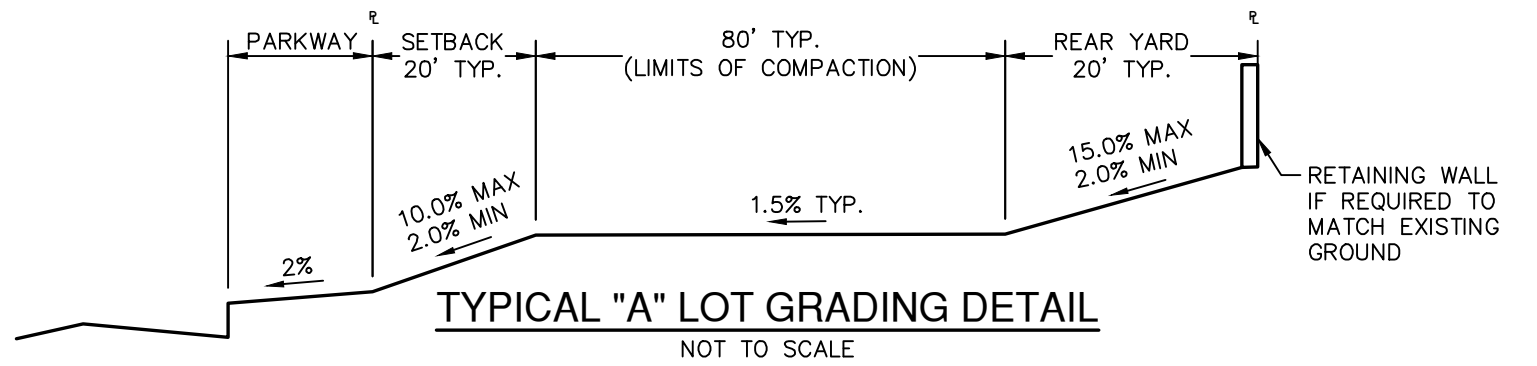
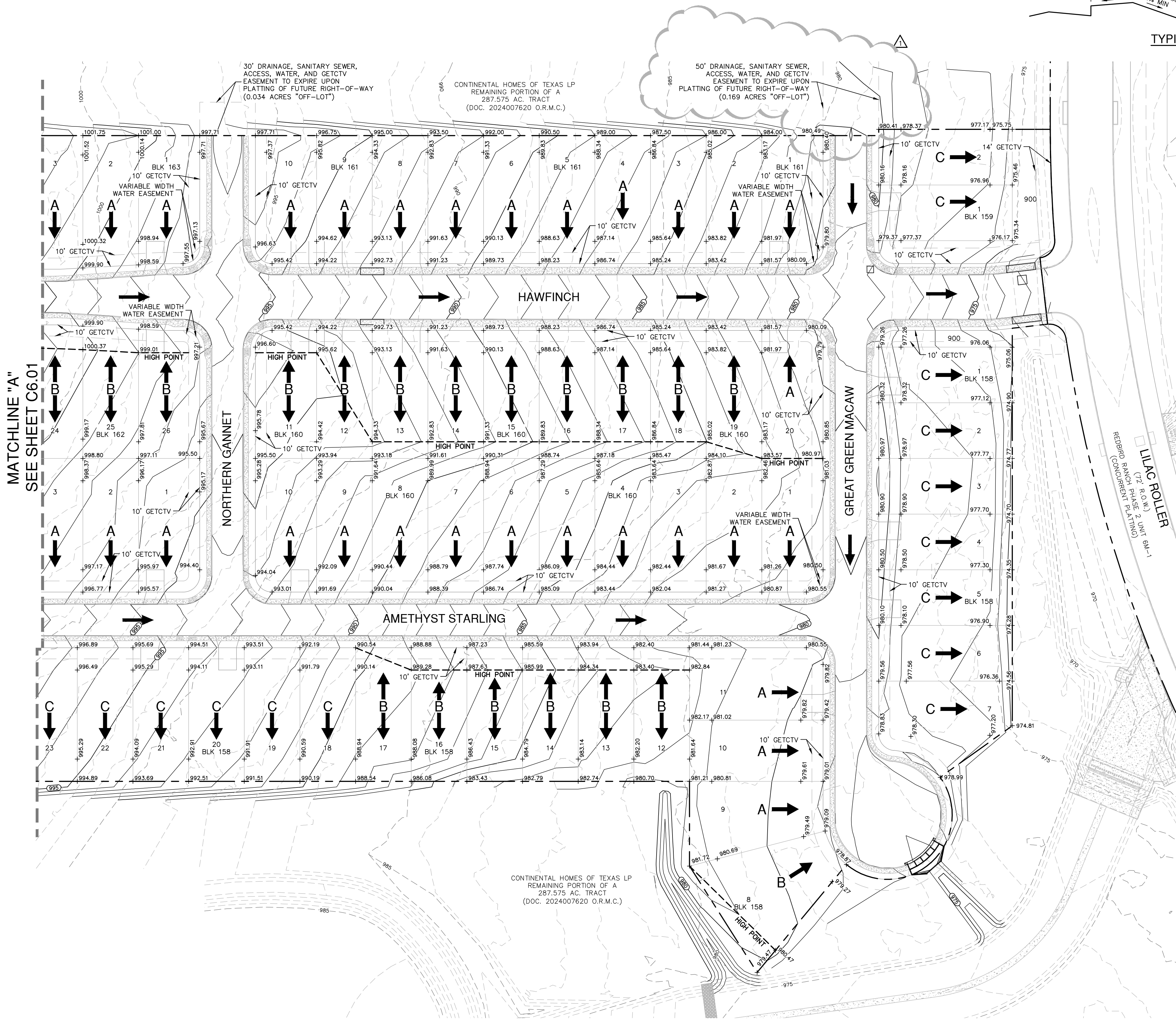
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REDBIRD RANCH PHASE 2 UNIT 8M-1
MEDINA COUNTY, TEXAS
SANITARY SEWER LINE F - PLAN & PROFILE
STA 1+00.00 TO 3+90.00

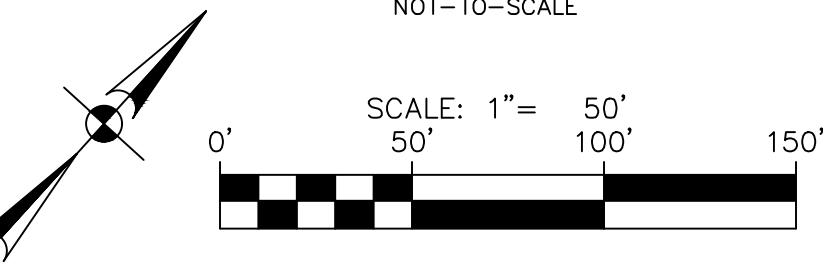
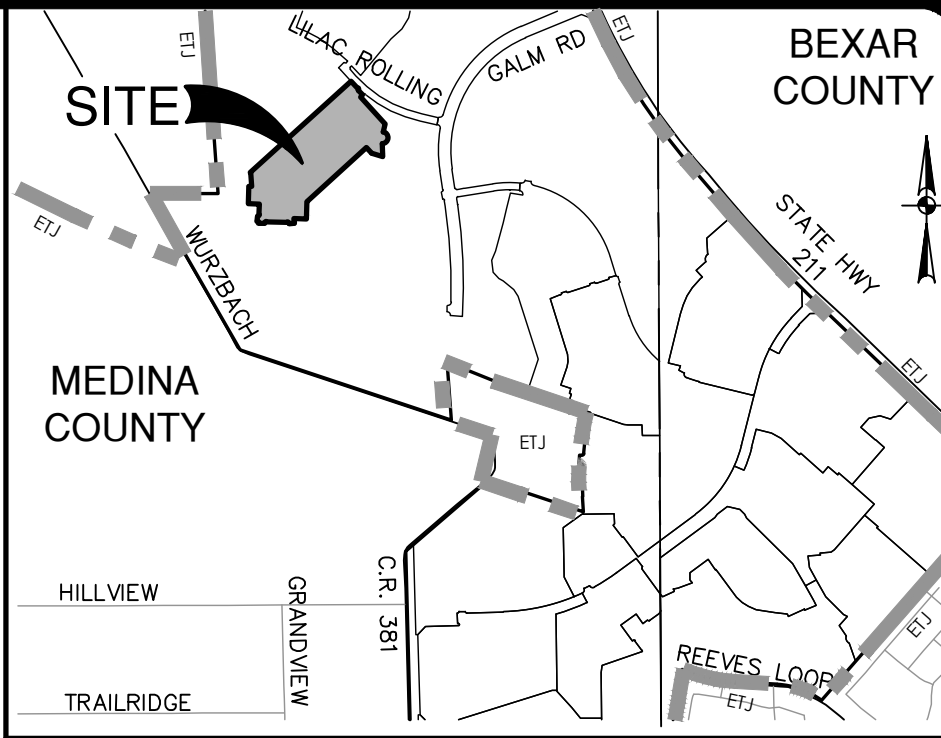
PLAT NO.	JOB NO.
	30004-37
DATE	DESIGNER
DECEMBER 2025	GC
CHECKED	DRAWN
	GP
SHEET	C5.08

FOR PERMIT

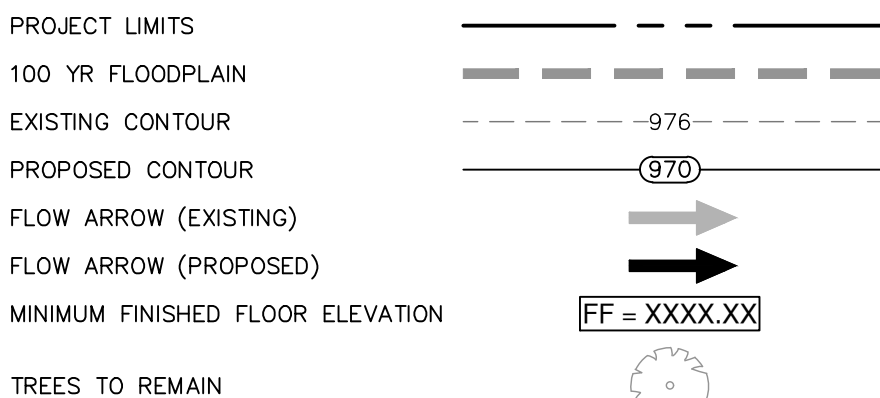


RESIDENTIAL GRADING NOTES:

1. DRIVEWAYS MAY BE LOCATED ON EITHER SIDE OF THE LOT UNLESS OTHERWISE SHOWN ON THIS PLAN OR STREET PLANS.
2. REFERENCE GRADING NOTES AND GEOTECHNICAL ENGINEERING SPECIFICATIONS PROVIDED BY THE OWNER.
3. LOT GRADING PATTERNS (A, B, OR C) MUST BE FOLLOWED.
4. ALL LOTS SHALL BE GRADED SO THAT NO DRAINAGE SHALL BE ALLOWED TO FLOW ONTO ADJACENT SIDE LOTS.
5. BUILDER TO VERIFY INVERTS OF ALL SANITARY SEWER LATERALS WHEN ESTABLISHING THE APPROPRIATE FINISHED FLOOR ELEVATIONS IN ORDER TO ENSURE ADEQUATE DRAINAGE OF HOUSE LATERALS.
6. EXISTING CONTOURS SHOWN ONSITE ARE FROM LIDAR TOPOGRAPHY & FIELD SURVEY.
7. GRADES, SLOPES, AND ELEVATIONS SHOWN ARE MASS GRADES ONLY. BUILDER SHALL BE RESPONSIBLE FOR CONSTRUCTION OF SIDE YARD SWALES AND DETAILED GRADING AROUND EACH INDIVIDUAL HOUSE ENSURING POSITIVE DRAINAGE IN EACH CASE.



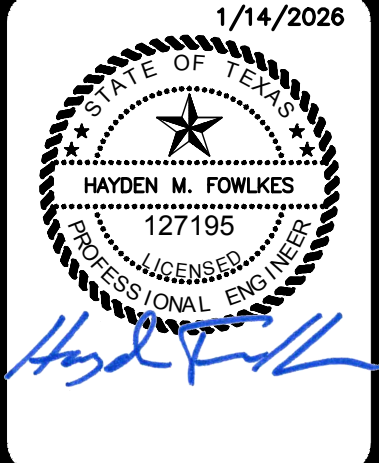
GRADING LEGEND



GRADING NOTES:

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THIS SCOPE OF WORK WHERE NOT SPECIFICALLY COVERED IN THE SPECIFICATIONS OR GEOTECHNICAL REPORT SHALL CONFORM TO ALL APPLICABLE CITY, COUNTY AND TxDOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION).
2. SITE PREPARATION, GRADING, EXCAVATION AND FILL SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT AND SPECIFICATIONS.
3. ALL SELECT FILL MATERIAL PROVIDED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING AND COMPACTING.
4. ALL ELEVATIONS AND PROPOSED CONTOURS SHOWN ON THIS GRADING PLAN REFLECT FINISHED GRADES. THE THICKNESS OF PAVING, BASE, GRASS, TOPSOIL, AND MULCH MUST BE SUBTRACTED TO OBTAIN SUBGRADE ELEVATIONS.
5. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT, OR LIMITS OF DIMENSIONS OR GRADES NECESSARY FOR CONSTRUCTION OF THIS PROJECT.
6. THE CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SLOPES INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS, TESTS, APPROVALS AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
8. THE CONTRACTOR SHALL REMOVE TOP SOIL, GRASS, ROOTS, DEBRIS, ETC. AND DISPOSE OFF SITE THOSE MATERIALS NOT SUITABLE FOR EMBANKMENT AND TOPSOIL. CLEAN STRIPPINGS AND TOPSOIL MAY BE STOCKPILED ON SITE FOR REUSE IN A LOCATION SPECIFIED BY THE OWNER.
9. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE STABILIZATION, ALL DISTURBED AREAS SHALL BE REVEGETATED IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND TPDES/SWPPP REQUIREMENTS. REFERENCE THE LANDSCAPE ARCHITECT'S PLAN, IF APPLICABLE.
10. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS (USE OF SILT FENCES, ETC.) TO KEEP DRAINAGE AND SILT FROM WASHING ONTO ADJACENT PROPERTY, STREETS, OR DRAINAGE WAYS. CONTRACTOR SHALL IMMEDIATELY REMOVE SILT/DEBRIS WHICH WASHES OFFSITE OR INTO EXISTING STORM DRAIN SYSTEMS. (SEE SWPPP PLANS & TPDES BOOK).
11. THE CONTRACTOR SHALL OBTAIN GRADES SHOWN HEREON WITHIN +/- ONE-TENTH (0.10) FOOT.
12. IN PROPOSED PAVING AREAS, STREET DESIGN PLANS SHALL CONTROL. ALL EARTHEN SLOPES SHALL BE A MAXIMUM OF 3:1 AND A MINIMUM OF 1.0% UNLESS OTHERWISE SHOWN.
13. THE CONTRACTOR SHALL PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING SITE AND PROPOSED IMPROVEMENTS.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING TO ITS ORIGINAL, OR BETTER, CONDITION ANY DAMAGE DONE TO EXISTING TREES, BUILDINGS, UTILITIES, FENCES, PAVEMENT, CURBS, OR DRIVEWAYS (NO SEPARATE PAY ITEMS).
15. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN WORKING NEAR UTILITIES, GAS LINES, SEWER, OR EXISTING APPURTENANCES. PRIOR TO PERFORMING ANY EXCAVATION, CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND ASSURE HIMSELF THAT ALL UTILITIES HAVE BEEN ADEQUATELY LOCATED AND IDENTIFIED. THE ENGINEER SHALL BE NOTIFIED IF ANY UTILITY CONFLICTS ARE DISCOVERED.
16. UTILITIES SHOWN ON THE PLANS ARE FROM INFORMATION SOURCES AVAILABLE AT THE TIME OF DESIGN BUT MAY NOT REPRESENT ALL EXISTING UTILITIES ON SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL UTILITIES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES PRIOR TO CONSTRUCTION AND VERIFY SIZE, GRADE, AND LOCATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DEVIATIONS FROM PLANS PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR, AT HIS OWN EXPENSE.
17. POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE SCOPE OF THE PROJECT. DRAINAGE SHALL BE DIRECTED AWAY FROM ALL BUILDING FOUNDATIONS. CONTRACTOR SHOULD TAKE PRECAUTIONS NOT TO ALLOW ANY PONDING OF WATER.
18. FOR FILL PLACEMENT ON HILL SIDES OR STEEP SLOPE AREAS, THE CONTRACTOR SHALL REFERENCE THE PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT FOR SPECIAL INSTRUCTIONS REGARDING BENCHING.
19. NO WORK SHALL BE PERFORMED IN A PUBLIC RIGHT-OF-WAY WITHOUT A PERMIT.

NO.	REVISION	DATE
1	GRADING UPDATED	1/14/26



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REDBIRD RANCH PHASE 2 UNIT 8M-1
MEDINA COUNTY, TEXAS
OVERALL GRADING PLAN

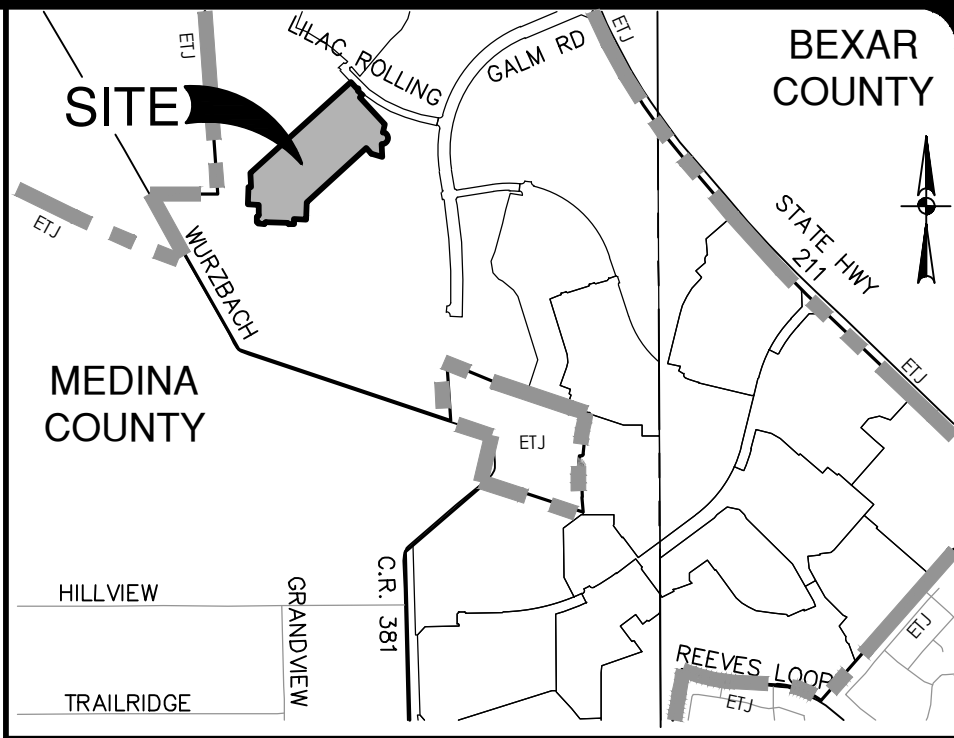
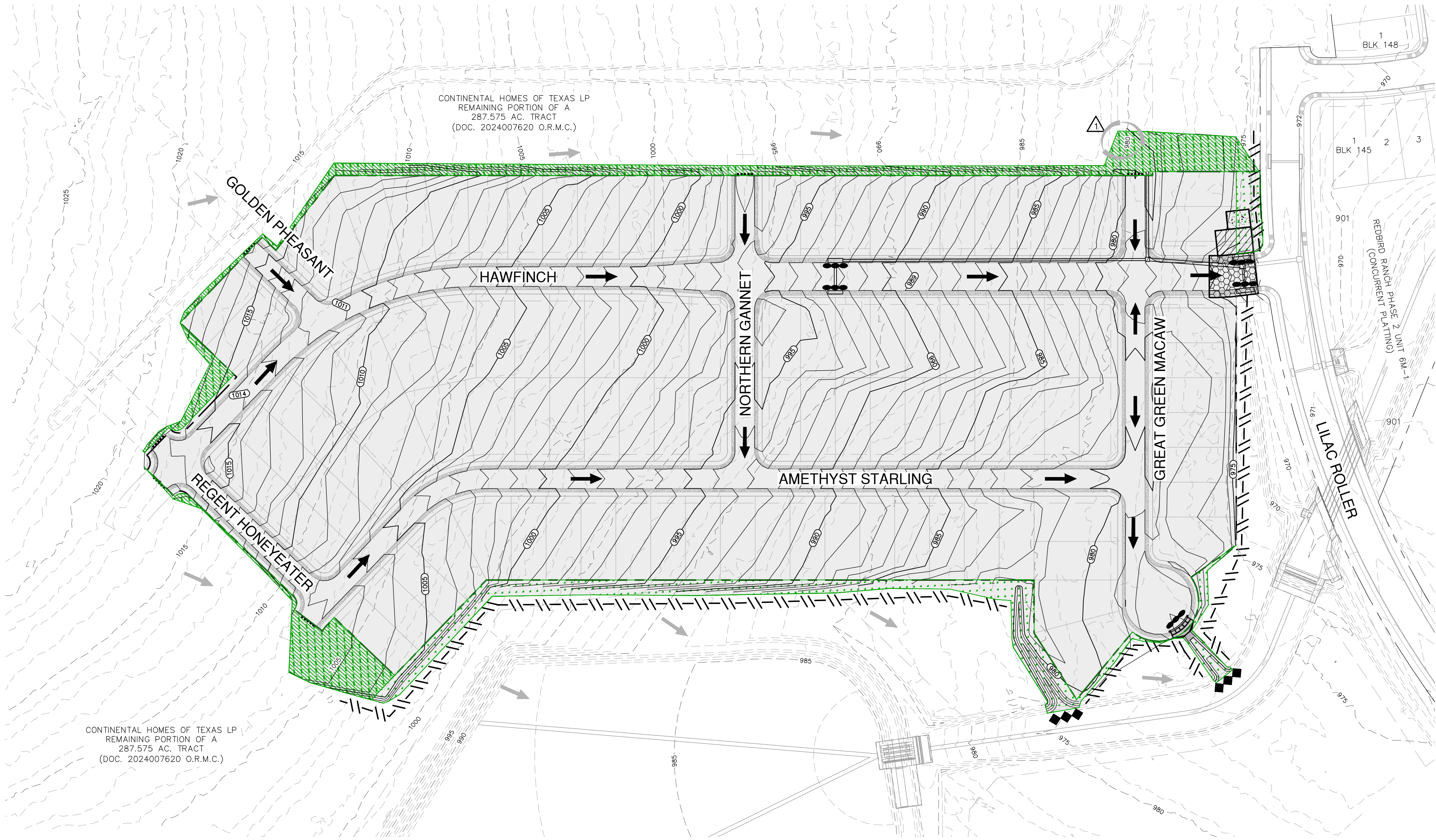
PLAT NO.	N/A
JOB NO.	30004-37
DATE	DECEMBER 2025
DESIGNER	GC
CHECKED	DRAWN GP
SHEET	C7.00

FOR PERMIT

Dates: July 11, 2024, 4:47 PM - User ID: jmay
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SWP3 MODIFICATIONS		
DATE	SIGNATURE	DESCRIPTION



SWPPP LEGEND

PROJECT LIMITS	---
EXISTING CONTOUR	---
PROPOSED CONTOUR	---
FLOW ARROW (EXISTING)	→
FLOW ARROW (PROPOSED)	→
SILT FENCE	
ROCK BERM	
GRAVEL FILTER BAGS	
GRATE INLET PROTECTION	
SEDIMENT CONTROL ROLLS	
LIMITS OF DISTURBED AREA	---
STABILIZED CONSTRUCTION ENTRANCE/EXIT (FIELD LOCATE)	
CONSTRUCTION EQUIPMENT, VEHICLE & MATERIALS STORAGE AREA (FIELD LOCATE)	
CONCRETE TRUCK WASH-OUT PIT (FIELD LOCATE)	
AREAS TO BE REVEGETATED PER TPDES PERMIT REQUIREMENTS (PERMANENT)	---
AREAS TO BE REVEGETATED PER TPDES PERMIT REQUIREMENTS (TEMPORARY)	---

GENERAL NOTES

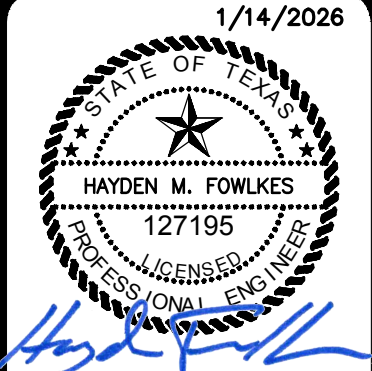
- DO NOT DISTURB VEGETATED AREAS (TREES, GRASS, WEEDS, BRUSH, ETC.) ANY MORE THAN NECESSARY FOR CONSTRUCTION.
- CONSTRUCTION ENTRANCE/EXIT LOCATION, CONCRETE WASH-OUT PIT, AND CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD TO BE DETERMINED IN THE FIELD.
- STORM WATER POLLUTION PREVENTION CONTROLS MAY NEED TO BE MODIFIED IN THE FIELD TO ACCOMPLISH THE DESIRED EFFECT. ALL MODIFICATIONS ARE TO BE NOTED ON THIS EXHIBIT AND SIGNED AND DATED BY THE RESPONSIBLE PARTY.
- RESTRICT ENTRY/EXIT TO THE PROJECT SITE TO DESIGNATED LOCATIONS BY USE OF ADEQUATE FENCING, IF NECESSARY.
- ALL STORM WATER POLLUTION PREVENTION CONTROLS ARE TO BE MAINTAINED AND IN WORKING CONDITIONS AT ALL TIMES.
- FOR A COMPLETE LISTING OF TEMPORARY STORM WATER POLLUTION PREVENTION CONTROLS REFER TO THE TPDES STORM WATER POLLUTION PREVENTION PLAN.
- STORM WATER POLLUTION PREVENTION STRUCTURES SHOULD BE CONSTRUCTED WITHIN THE SITE BOUNDARIES. SOME OF THESE FEATURES MAY BE SHOWN OUTSIDE THE SITE BOUNDARIES ON THIS PLAN FOR VISUAL CLARITY.
- AS SOON AS PRACTICAL, ALL DISTURBED SOIL THAT WILL NOT BE COVERED BY IMPERVIOUS COVER SUCH AS PARKWAY AREAS, EASEMENT AREAS, EMBANKMENT SLOPES, ETC. WILL BE STABILIZED PER APPLICABLE PROJECT SPECIFICATIONS.
- BEST MANAGEMENT PRACTICES MAY BE INSTALLED IN STAGES TO COINCIDE WITH THE DISTURBANCE OF UPGRADIENT AREAS.
- BEST MANAGEMENT PRACTICES MAY BE REMOVED IN STAGES ONCE THE WATERSHED FOR THAT PORTION CONTROLLED BY THE BEST MANAGEMENT PRACTICES HAS BEEN STABILIZED IN ACCORDANCE WITH TPDES REQUIREMENTS.
- UPON COMPLETION OF THE PROJECT, INCLUDING SITE STABILIZATION, AND BEFORE FINAL PAYMENT IS ISSUED, CONTRACTOR SHALL REMOVE ALL SEDIMENT AND EROSION CONTROL MEASURES, PAYING SPECIAL ATTENTION TO ROCK BERMS IN DRAINAGE FEATURES.
- WHERE VEGETATED FILTER STRIPS ARE INDICATED, CONTRACTOR SHALL VERIFY THAT SUFFICIENT VEGETATION EXISTS, OTHERWISE CONTRACTOR SHALL PLACE SILT FENCING IN LIEU OF VEGETATED FILTER STRIP.
- SHADED AREA DENOTES LIMITS OF DISTURBED AREAS. OTHER AREAS WITHIN THE PROJECT LIMITS, WITH THE EXCEPTION OF A CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD, ARE NOT A PART OF THIS TPDES STORM WATER POLLUTION PREVENTION PLAN (SWP3) AND WILL NOT BE DISTURBED BY CIVIL CONSTRUCTION ACTIVITIES. HOUSE CONSTRUCTION ACTIVITIES WILL REQUIRE A SEPARATE STORM WATER POLLUTION PREVENTION PLAN.
- PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL COORDINATE PLACEMENT OF TEMPORARY BEST MANAGEMENT PRACTICES WITHIN TXDOT RIGHT-OF-WAY WITH TXDOT.
- CPS ENERGY WILL FUNCTION AS A SECONDARY OPERATOR ON THIS PROJECT AND WILL BE INSTALLING ELECTRIC UTILITIES FOR ON-SITE CONSTRUCTION AND OFF-SITE FEED TO THE PROJECT.

THE ENGINEERING SEAL HAS BEEN AFFIXED TO THIS SHEET ONLY FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THE TPDES-STORM WATER POLLUTION PREVENTION PLAN (SWP3) REGULATIONS.

THIS SHEET HAS BEEN PREPARED FOR PURPOSES OF THE SWP3 ONLY. ALL OTHER CIVIL ENGINEERING RELATED INFORMATION SHOULD BE ACQUIRED FROM THE APPROPRIATE SHEET IN THE CIVIL IMPROVEMENT PLANS.

EXHIBIT 2

NO.	REVISION	DATE
1	DISTURBED AREA REVISED.	1/14/26



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1677 INDEPENDENCE DR. STE 102 | NEW BRAUNFELS, TX 78131 | 830.832.8533
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #1028800

REDBIRD RANCH PHASE 2 UNIT 8M-1
MEDINA COUNTY, TEXAS
STORMWATER POLLUTION PREVENTION PLAN

PLAT NO.	N/A
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SHEET	C8.00

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