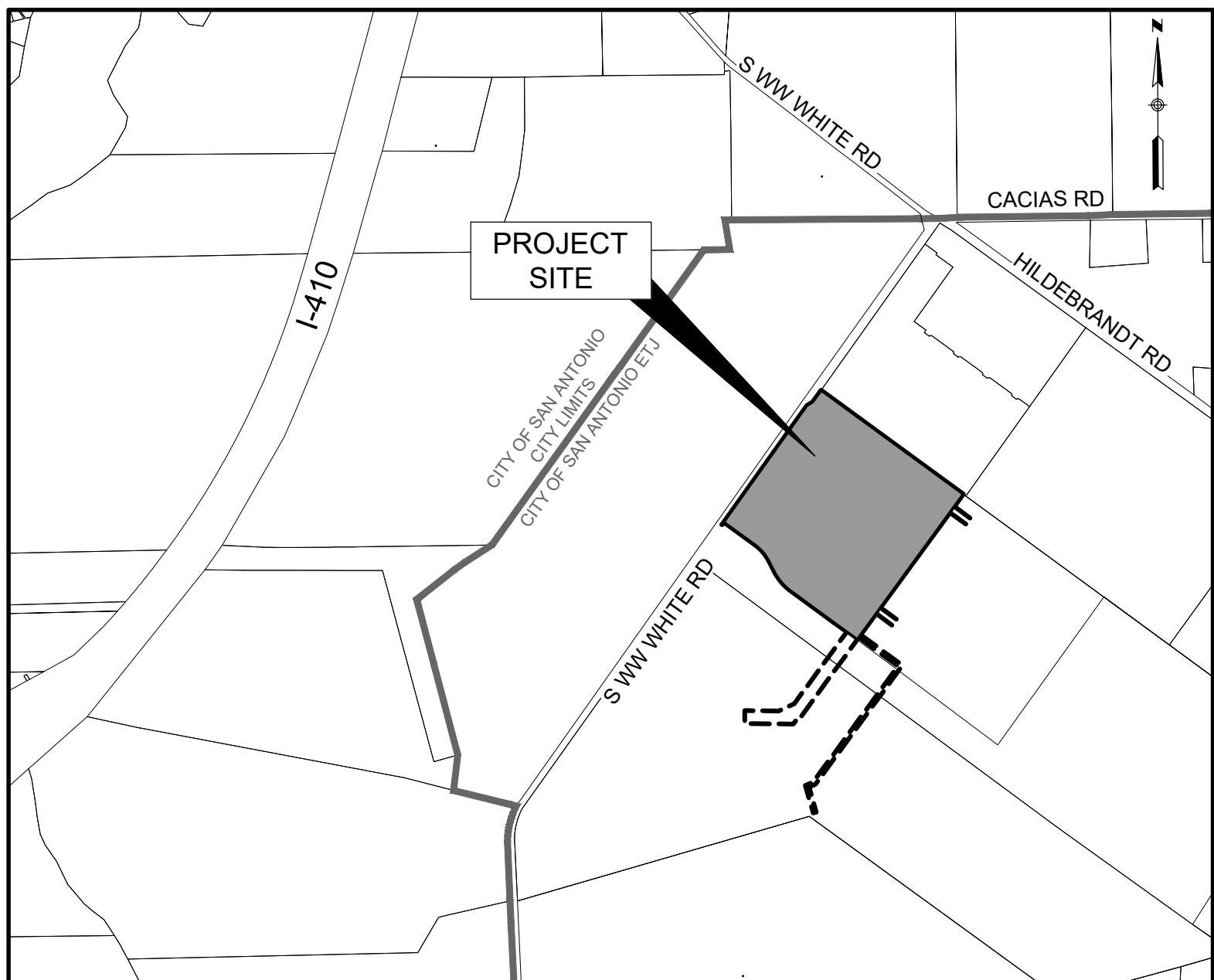


GRACE GARDENS SUBDIVISION UNIT 1

PAVING, DRAINAGE, WATER, AND WASTEWATER IMPROVEMENTS

LAND-PLAT-23-11800410

BEXAR COUNTY, TEXAS 78223



LOCATION MAP
(N.T.S.)

SUBMITTAL DATE: AUGUST 2024

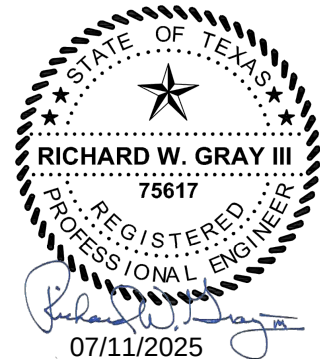
PROPERTY DESCRIPTION

BEING A 46.44 ACRE TRACT (15,988,603 SQUARE FEET) OF LAND, MORE OR LESS, OUT OF THE JUAN MONTEZ SURVEY, ABSTRACT NO. 11, SITUATED IN CITY BLOCK 4007, THE CITY OF SAN ANTONIO, BEXAR COUNTY, TEXAS, AND BEING ALL OF A CALLED 83.66 ACRE TRACT, CONVEYED TO SA HUNDRED ACRE, LLC, RECORDED UNDER DOCUMENT NO. 20220004243, OFFICIAL PUBLIC RECORDS OF BEXAR COUNTY TEXAS (O.P.R.B.C.T.) WITH CORRECTION DEEDS RECORDED UNDER DOCUMENT NO. 20220041895 AND 20122008506, O.P.R.B.C.T., ALL OF A CALLED 71.366 ACRE TRACT, CONVEYED TO BLAKE AND JENNIFER A. YANTIS, RECORDED UNDER DOCUMENT NO. 20220045072, O.P.R.B.C.T., AND BEING OUT OF THREE (3) TRACTS, A RESIDUE OF A CALLED 139.534 ACRE TRACT OF LAND CONVEYED TO SA KOSTA BROWNE, LTD., RECORDED IN DOCUMENT NO. 20200154930, O.P.R.B.C.T., A RESIDUE OF A CALLED 139.197 ACRE TRACT OF LAND CONVEYED TO KOSTA BROWNE, LTD., RECORDED IN DOCUMENT NO. 20200153938, O.P.R.B.C.T., AND A CALLED 177.8073 ACRE TRACT OF LAND CONVEYED TO BORALIS USA, INC., RECORDED IN DOCUMENT NO. 20190165095 O.P.R.B.C.T.

DEVELOPER: MOSAIC LAND DEVELOPMENT
CONTACT: ALLEN HOOVER
6812 WEST AVENUE, SUITE 100
SAN ANTONIO, TX 78213
PHONE: (210) 764-9575

ENGINEER: LJA ENGINEERING, INC.
9830 COLONNADE BLVD, SUITE 300
SAN ANTONIO, TEXAS 78230
CONTACT PERSON: RICK GRAY, PE
PHONE # (210) 503-2700
FAX # (210) 503-2749

SURVEYOR: LJA SURVEYING
9830 COLONNADE BLVD, SUITE 300
SAN ANTONIO, TEXAS 78230
CONTACT PERSON: GORDON ANDERSON
PHONE # (512) 439-4700



REVISIONS			
NO.	DESCRIPTION	BY	DATE

LOCATION OF EXISTING UNDERGROUND AND OVERHEAD UTILITIES ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING WORK AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR.



LJA JOB NO. SA202-0401B-426

GRACE GARDENS SUBDIVISION UNIT 1

SHEET #	SHEET TITLE
1.0	COVER
1.1	GENERAL NOTES
3.0	UTILITY LAYOUT SH1
3.1	UTILITY LAYOUT SH2
3.2	UTILITY LAYOUT SH3
3.3	UTILITY LAYOUT SH4
4.0	EXISTING DRAINAGE AREA MAP
4.1	PROPOSED DRAINAGE AREA MAP
4.2	ULTIMATE DRAINAGE AREA MAP
5.0	DRAIN 'A' P&P
5.1	DRAIN 'B' P&P
5.2	DRAIN 'C' P&P
5.3	DRAIN 'D' P&P
5.4	DRAIN 'E' P&P STA 1+00 TO 9+00
5.5	DRAIN 'E' P&P STA 9+00 TO END
5.6	DRAIN 'F' P&P STA 1+00 TO 7+00
5.7	DRAIN 'F' P&P STA 7+00 TO END
5.8	TEMPORARY DRAIN STA 1+00 TO END
5.9	EXISTING DRAINAGE BASIN
5.10	EXISTING DRAINAGE BASIN PROFILE
5.11	POND OUTFALL STA. 1+00 TO 8+00
5.12	POND OUTFALL STA. 8+00 TO END
5.13	DRAINAGE DETAILS (SHEET 1 OF 5)
5.14	DRAINAGE DETAILS (SHEET 2 OF 5)
5.15	DRAINAGE DETAILS (SHEET 3 OF 5)
5.16	DRAINAGE DETAILS (SHEET 4 OF 5)
5.17	DRAINAGE DETAILS (SHEET 5 OF 5)
6.0	GRADING PLAN (SHEET 1 OF 4)
6.1	GRADING PLAN (SHEET 2 OF 4)
6.2	GRADING PLAN (SHEET 3 OF 4)
6.3	GRADING PLAN (SHEET 4 OF 4)
6.4	MAGNOLIA GARDENS PLAN & PROFILE 1+00 - 10+00
6.5	MAGNOLIA GARDENS PLAN & PROFILE 10+00 - END
6.6	ALPINE MEADOWS PLAN & PROFILE 1+00 TO END
6.7	GARDEN STONE PLAN & PROFILE 1+00 TO END
6.8	TRANQUIL WATERS PLAN & PROFILE 1+00 TO END
6.9	UTOPIA GARDENS PLAN & PROFILE 1+00 TO END
6.10	WILLOW CROSSING PLAN & PROFILE 1+00 TO END
6.11	EUCALYPTUS HILLS PLAN & PROFILE 1+00 TO END
6.12	GREEN BLISS PLAN & PROFILE 1+00 TO END
6.13	BLISSFUL MEADOWS PLAN & PROFILE 1+00 TO STA 11+00
6.14	BLISSFUL MEADOWS PLAN & PROFILE 11+00 TO END
6.15	BLOSSOM VALLEY PLAN & PROFILE 1+00 TO END
6.16	S WW WHITE RD IMPROVEMENTS
6.17	S WW WHITE RD & HILDEBRANDT RD IMPROVEMENTS
6.18	SIGNAGE PLAN
6.19	TRAFFIC DETAILS (SHEET 1 OF 3)

GRACE GARDENS SUBDIVISION UNIT 1

SHEET #	SHEET TITLE
6.20	TRAFFIC DETAILS (SHEET 2 OF 3)
6.21	TRAFFIC DETAILS (SHEET 3 OF 3)
7.0	WATER COVER
7.1	WATER LAYOUT SH1
7.2	WATER LAYOUT SH2
7.3	WATER LAYOUT SH3
7.4	WATER LAYOUT SH4
8.0	WASTEWATER COVER
8.1	WASTEWATER LAYOUT SH1
8.2	WASTEWATER LAYOUT SH2
8.3	WASTEWATER LAYOUT SH3
8.4	WASTEWATER LAYOUT SH4
8.5	WWL 'A' STA 1+00 TO 9+00
8.6	WWL 'A' STA 9+00 TO 18+00
8.7	WWL 'A' STA 18+00 TO 26+50
8.8	WWL 'A' STA 26+50 TO 33+50
8.9	WWL 'A' STA 33+50 TO 41+50
8.10	WWL 'A' STA 41+50 TO END
8.11	WWL 'B' STA 1+00 TO END
8.12	WWL 'C' STA 1+00 TO 10+00
8.13	WWL 'C' STA 10+00 TO END
8.14	WWL 'D' STA 1+00 TO 10+00
8.15	WWL 'D' STA 10+00 TO END
8.16	WWL 'E' STA 1+00 TO 8+50
8.17	WWL 'E' STA 8+50 TO END
8.18	WWL 'F' & 'G' STA 1+00 TO END
8.19	WWL 'H' STA 1+00 TO END
9.0	S.W.P.P.P (SHEET 1)
9.1	S.W.P.P.P (SHEET 2)
9.2	S.W.P.P.P DETAILS

SHEET #: 1.0

LJA Engineering, Inc.

9830 Colonnade Blvd
Suite 300
San Antonio, Texas 78230



Phone 210.503.2700
LJA.COM
FRN-F-1386

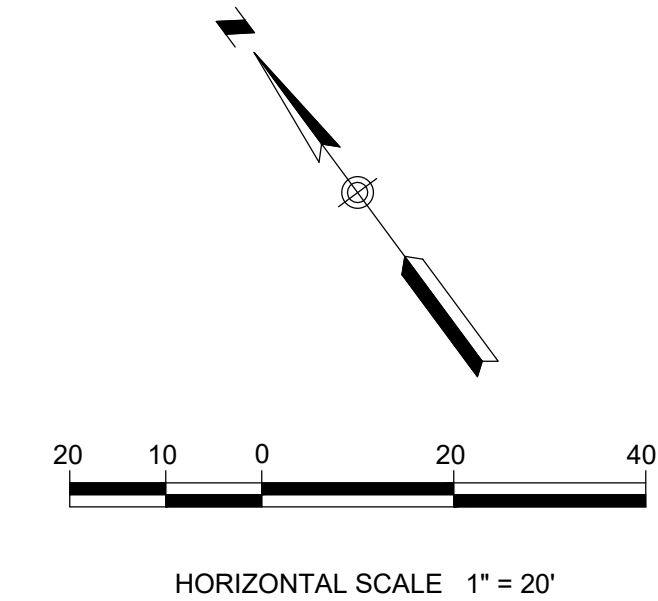
- Ⓐ 6" THERMOPLASTIC SOLID YELLOW LINE (5,058 LF)
- Ⓑ 6" THERMOPLASTIC YELLOW BROKEN LINE (2,350 LF)
- Ⓒ TYPE II-A-A SPACED AT 20' (TOTAL OF 97)
- Ⓓ THERMOPLASTIC WHITE ARROW (ITEM 535.8 & 535.9) (9 RT. & 7 LT.)
- Ⓔ THERMOPLASTIC WHITE "ONLY" (ITEM 535.12) (TOTAL OF 6)
- Ⓕ 24" WHITE SOLID THERMOPLASTIC STOP BAR (ITEM 535.7) (48 LF)
- Ⓖ 8" THERMOPLASTIC SOLID WHITE LINE W/ TYP I-C RPMS (190 LF)
- Ⓗ 24" YELLOW SOLID THERMOPLASTIC STRIPING (ITEM 535.7) (138 LF)

1. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
2. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC
3. ALL SPOT ELEVATIONS ARE TO TOP OF PAVEMENT/ FINISHED GROUND UNLESS OTHERWISE NOTED.
4. ALL PAVEMENT SHALL BE ASPHALT.
5. STABILIZATION OF DISTURBED SLOPES 3:1 OR STEEPER WITH SOIL RETENTION BLANKETS, OR EQUIVALENT BMP IS REQUIRED.
6. A BEXAR COUNTY RIGHT OF WAY PERMIT MUST BE OBTAINED PRIOR TO WORKING IN EXISTING BEXAR COUNTY RIGHT OF WAY.
7. ADDITIONAL PAVEMENT SHALL HAVE A MINIMUM OF 2.0% CROSS SLOPE.

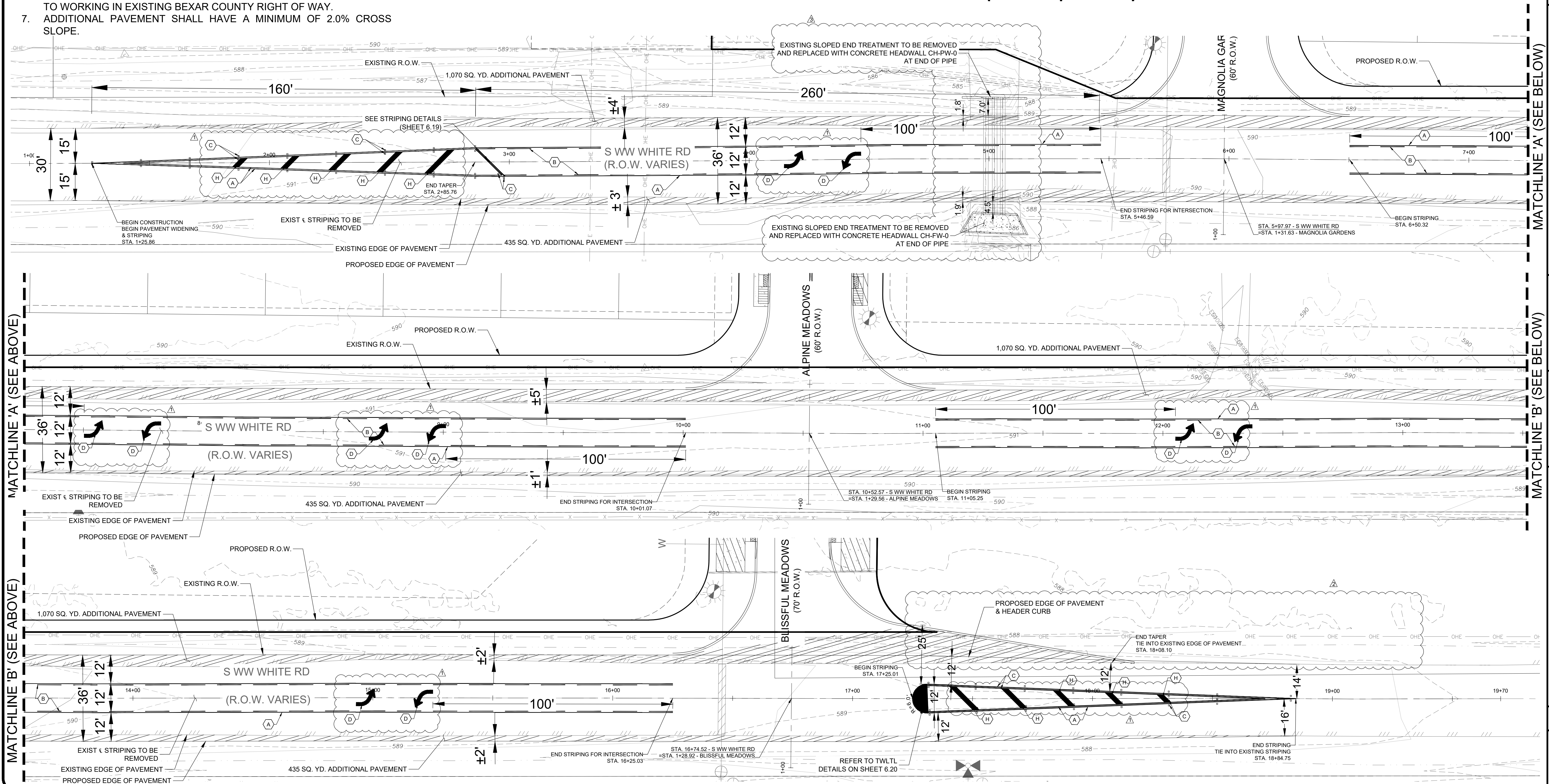
PROPOSED	EXISTING
TEL	
OHE	

PROP. EDGE OF PAVEMENT
EXIST. EDGE OF PAVEMENT
PROP. STREET GRADE
PROP. MAJOR CONTOUR
PROP. MINOR CONTOUR
EXIST. CONTOUR
CONCRETE SIDEWALK BY DEVELOPER
PROPERTY BOUNDARY
EXIST. TEL
EXIST. OVERHEAD ELEC.
PROP. PAVEMENT

CAUTION. CONTRACTOR TO NOTIFY TEXAS
ONE CALL AT 1-800-245-4545 48 HOURS PRIOR TO CONSTRUCTION FOR UTILITY LINE LOCATE. CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY SIGNIFICANT DISCREPANCIES OR REQUIRED DESIGN CHANGES. EXISTING UTILITIES SHOWN HEREON ARE FOR INFORMATIONAL PURPOSES ONLY. ENGINEER ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION.



PAVEMENT SECTION S WW WHITE RD	PRIMARY ARTERIAL
HOT MIX ASPHALT CONCRETE	TYPE "D" = 1.5" TYPE "C" = 2.5"
FLEXIBLE BASE (TYPE 'B', GRADE 2)	6.0"
TYPE A, GRADE 1 OR 2 GRANULAR BASE COURSE	8.0"



GRACE GARDENS SUBDIVISION UNIT 1
LAND-PLAT-23-11800410
S WW WHITE RD IMPROVEMENTS
FOR ROW PERMIT ONLY

REVISIONS			
NO.	DESCRIPTION	BY	DATE
1.	TWTL ARROWS & STRIPING UPDATES		06/23/2025
2.	RIGHT TURN LANE REMOVED FROM UNIT 1		07/11/2025
3.	EXISTING HEADWALL RELOCATE		

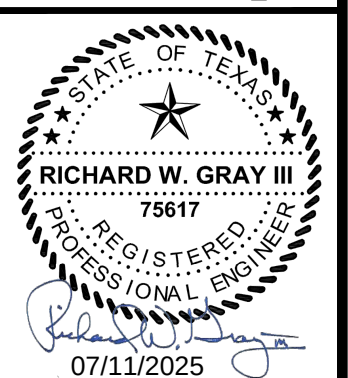
DATE: 9/8/2023

DESIGNED BY: _____

DRAWN BY: _____

CHECKED BY: _____ RG

DRAWING NAME:
sh_ww_WhiteRdImprovements.dwg



LJA
Phone 210.503.2700
LJA.COM
TBPE No. F-1386

LJA Engineering, Inc.
9830 Colonnade Blvd
Suite 300
San Antonio, Texas 78230

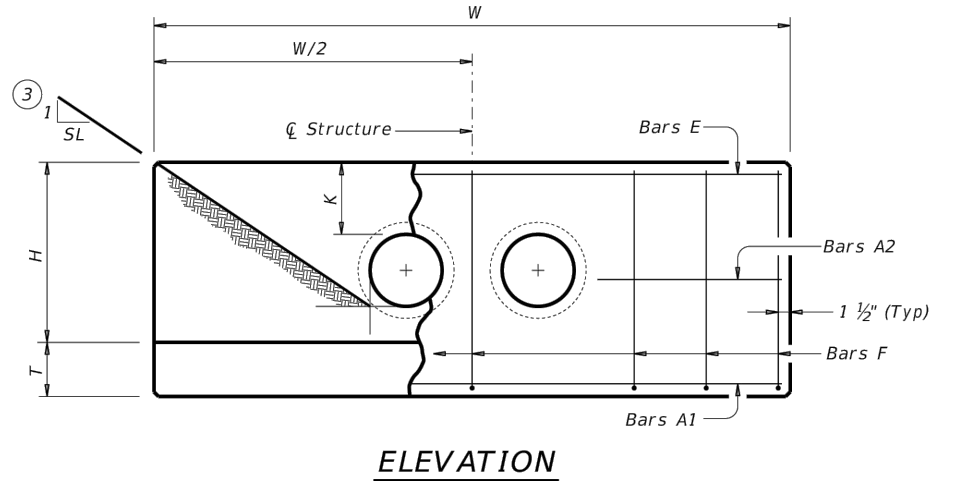
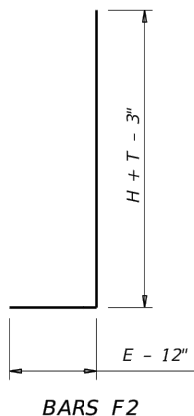
JOB NUMBER:
SA202-0401B-426

SHEET NO.

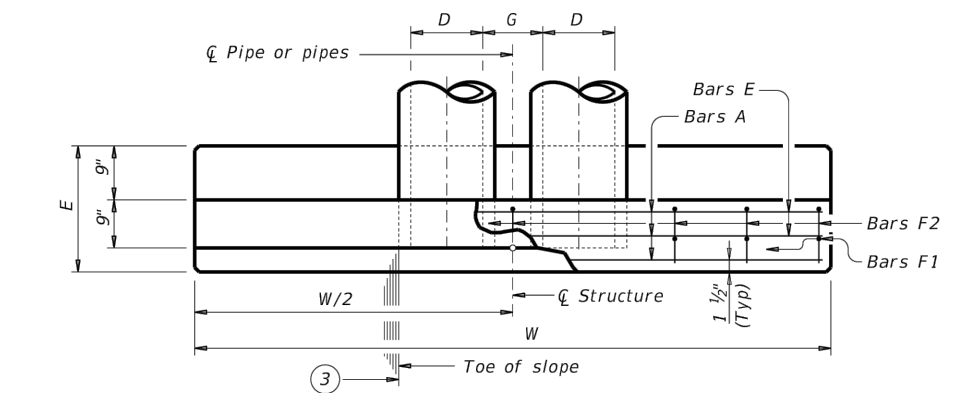
6.16

TABLE OF VARIABLE DIMENSIONS
AND QUANTITIES FOR ONE HEADWALL ⁽³⁾

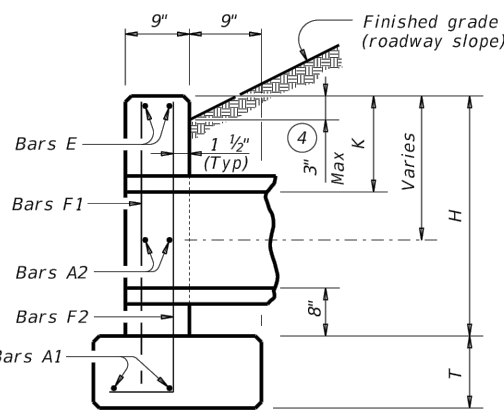
Slope	Dia of Pipe (D)	Values for One Pipe				Values To Be Added For Each Add'l Pipe			
		W	Reinf (CY) ⁽¹⁾	Conc (CY) ⁽²⁾	W	Reinf (CY) ⁽¹⁾	Conc (CY) ⁽²⁾	W	Reinf (CY) ⁽¹⁾
2:1	12"	9'-0"	122	1.1	1'-9"	15	0.2		
	15"	10'-3"	136	1.3	2'-2"	16	0.2		
	18"	11'-6"	163	1.5	2'-8"	19	0.3		
	21"	12'-9"	200	1.8	3'-1"	31	0.4		
	24"	14'-0"	217	2.1	3'-7"	34	0.4		
	27"	15'-3"	254	2.4	3'-11"	37	0.5		
	30"	16'-6"	272	2.7	4'-4"	40	0.6		
	33"	17'-9"	314	3.1	4'-8"	43	0.6		
	36"	19'-0"	371	3.9	5'-1"	46	0.8		
	42"	21'-6"	442	4.9	5'-10"	52	1.0		
	48"	25'-0"	569	6.4	6'-7"	59	1.3		
	54"	27'-6"	701	7.5	7'-6"	82	1.6		
3:1	12"	13'-0"	175	1.6	1'-9"	14	0.2		
	15"	14'-9"	193	1.9	2'-2"	17	0.2		
	18"	16'-6"	228	2.2	2'-8"	19	0.3		
	21"	18'-3"	289	2.6	3'-1"	31	0.4		
	24"	20'-0"	323	3.0	3'-7"	33	0.4		
	27"	21'-9"	371	3.5	3'-11"	37	0.5		
	30"	23'-6"	415	4.0	4'-4"	40	0.5		
	33"	25'-3"	469	4.6	4'-8"	43	0.6		
	36"	27'-0"	556	5.7	5'-1"	46	0.8		
	42"	30'-6"	675	7.1	5'-10"	52	1.0		
	48"	35'-6"	837	9.2	6'-7"	59	1.3		
	54"	39'-0"	1,015	11.0	7'-6"	84	1.6		
4:1	12"	17'-0"	229	2.0	1'-9"	15	0.2		
	15"	19'-3"	266	2.4	2'-2"	17	0.2		
	18"	21'-6"	308	2.9	2'-8"	19	0.3		
	21"	23'-9"	382	3.5	3'-1"	31	0.3		
	24"	26'-0"	430	3.9	3'-7"	34	0.4		
	27"	28'-3"	486	4.7	3'-11"	37	0.5		
	30"	30'-6"	539	5.2	4'-4"	40	0.6		
	33"	32'-9"	603	6.0	4'-8"	42	0.6		
	36"	35'-0"	738	7.5	5'-1"	47	0.8		
	42"	39'-6"	881	9.3	5'-10"	52	1.0		
	48"	46'-0"	1,102	12.1	6'-7"	61	1.3		
	54"	50'-6"	1,364	14.4	7'-6"	84	1.6		
6:1	12"	25'-0"	336	3.0	1'-9"	14	0.2		
	15"	28'-3"	384	3.6	2'-2"	17	0.2		
	18"	31'-6"	452	4.2	2'-8"	19	0.3		
	21"	34'-9"	581	5.1	3'-1"	31	0.4		
	24"	38'-0"	644	5.6	3'-7"	34	0.4		
	27"	41'-3"	737	6.9	3'-11"	37	0.5		
	30"	44'-6"	807	7.7	4'-4"	39	0.6		
	33"	47'-9"	912	8.9	4'-8"	44	0.6		
	36"	51'-0"	1,108	11.0	5'-1"	48	0.8		
	42"	57'-6"	1,218	12.7	5'-10"	54	1.0		
	48"	67'-0"	1,682	17.9	6'-7"	59	1.3		
	54"	73'-6"	2,072	21.3	7'-6"	83	1.6		
BARS F2	60"	80'-0"	2,351	24.9	8'-3"	89	1.8		
	66"	86'-6"	2,643	28.9	8'-9"	96	2.0		
	72"	93'-0"	3,121	33.1	9'-4"	101	2.3		



ELEVATION



PLAN OF NON-SKEWED PIPES



SECTION AT CENTER OF PIPE

- 1 Total quantities include one 3'-1" lap for bars over 60' in length.
- 2 Quantities shown are for concrete pipe and will increase slightly for metal pipe installations.
- 3 Indicated slope is perpendicular to centerline of pipe or pipes.
- 4 For vehicle safety, construct curbs no more than 3" above finished grade. Reduce curb heights, if necessary, to meet these requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.
- 5 Dimensions shown are usual and maximum.
- 6 Quantities shown are for one structure end only (one headwall).

TABLE OF
CONSTANT DIMENSIONS

Dia of Pipe (D)	G	K ⁽⁵⁾	H	T	E
12"	0'-9"	1'-0"	2'-8"	0'-9"	1'-9"
15"	0'-11"	1'-0"	2'-11"	0'-9"	1'-9"
18"	1'-2"	1'-0"	3'-2"	0'-9"	1'-9"
21"	1'-4"	1'-0"	3'-5"	0'-9"	2'-0"
24"	1'-7"	1'-0"	3'-8"	0'-9"	2'-0"
27"	1'-8"	1'-0"	3'-11"	0'-9"	2'-3"
30"	1'-10"	1'-0"	4'-2"	0'-9"	2'-3"
33"	1'-11"	1'-0"	4'-5"	0'-9"	2'-6"
36"	2'-1"	1'-0"	4'-8"	1'-0"	2'-6"
42"	2'-4"	1'-0"	5'-2"	1'-0"	2'-9"
48"	2'-7"	1'-3"	5'-11"	1'-0"	3'-0"
54"	3'-0"	1'-3"	6'-5"	1'-0"	3'-3"
60"	3'-3"	1'-3"	6'-11"	1'-0"	3'-6"
66"	3'-5"	1'-3"	7'-5"	1'-0"	3'-9"
72"	3'-4"	1'-3"	7'-11"	1'-0"	4'-0"

TABLE OF
REINFORCING STEEL ⁽⁶⁾

Bar	Size	Spa	No.
A1	#5	~	2
A2	#5	1'-6"	~
E	#5	~	2
F	#5	1'-0"	~

MATERIAL NOTES:
Provide Grade 60 reinforcing steel.
Provide Class C concrete ($f'_c = 3,600$ psi).

GENERAL NOTES:
Designed according to AASHTO LRFD Bridge Design Specifications.
Do not mount bridge rails of any type directly to these culvert headwalls.
This standard may not be used for wall heights, H, exceeding the values shown.

Cover dimensions are clear dimensions, unless noted otherwise.
Reinforcing dimensions are out-to-out of bars.

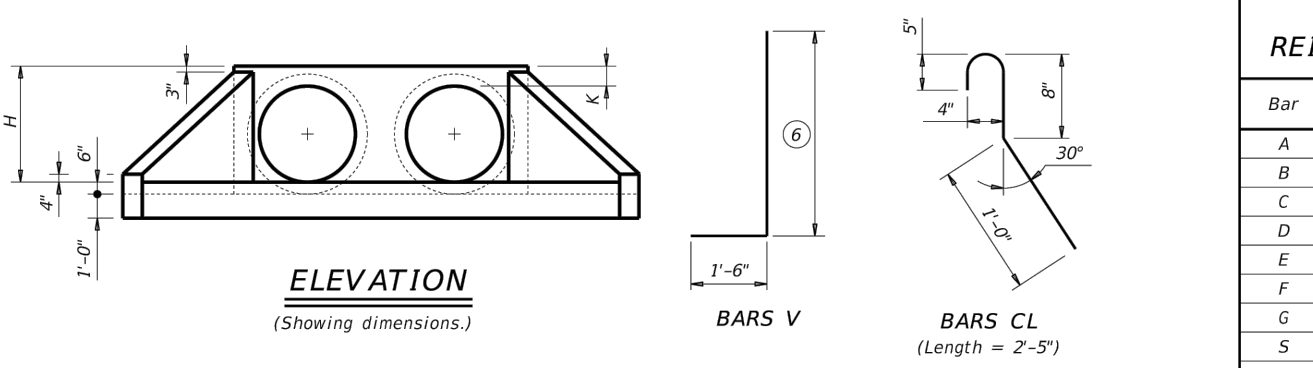
CONCRETE HEADWALLS
WITH PARALLEL WINGS FOR
NON-SKEWED PIPE CULVERTS

CH-PW-0

Rev	By	Date	Description
01	CH-PW-0	01/11/2023	Initial Design
02	CH-PW-0	02/11/2023	Revised Design
03	CH-PW-0	03/11/2023	Final Design

TABLE OF VARIABLE DIMENSIONS
AND QUANTITIES FOR ONE HEADWALL ⁽⁵⁾

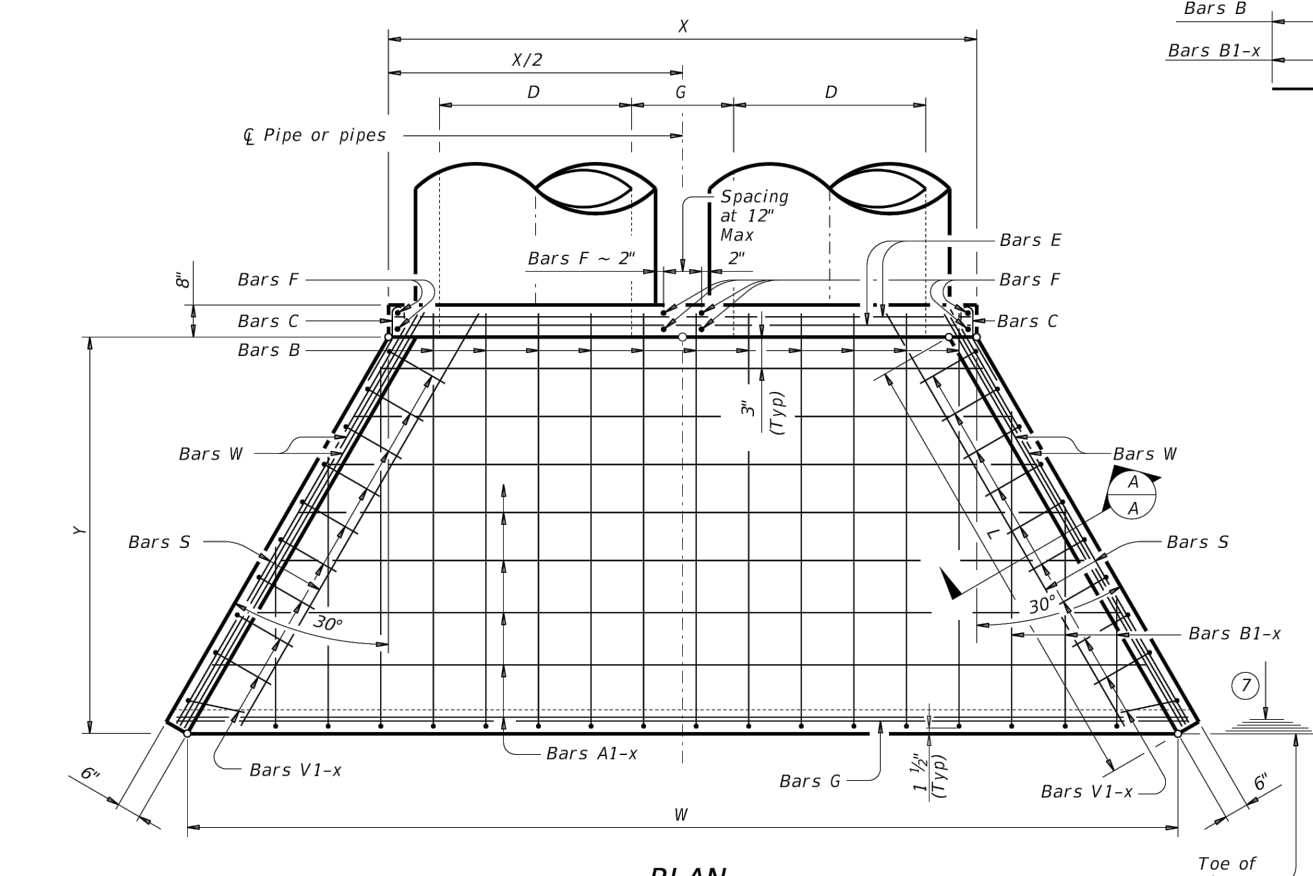
Slope	Dia of Pipe (D)	Values for One Pipe				Values to be Added For Each Add'l Pipe				
		W	X	Y	L	Reinf (lbs)	Conc (CY)	X and W	Reinf (lbs)	
2:1	12"	4'-7 1/2"	2'-6"	2'-10"	3'-3 1/2"	88	0.6	1'-9"	20	0.2
	15"	5'-5 1/2"	2'-9 1/2"	3'-4"	3'-10 1/2"	103	0.7	2'-2"	24	0.3
	18"	6'-4 1/2"	3'-1"	3'-10"	4'-5"	124	0.9	2'-8"	32	0.3
	21"	7'-2 1/2"	3'-4 1/2"	4'-5"	5'-0"	143	1.1	3'-1"	43	0.4
	24"	8'-2 1/2"	3'-9 1/2"	4'-10"	5'-7"	164	1.3	3'-7"	50	0.5
	27"	9'-1"	4'-1"	5'-4"	6'-2"	179	1.5	3'-11"	56	0.6
	30"	9'-11 1/2"	4'-4 1/2"	5'-10"	6'-8 1/2"	203	1.7	4'-4"	65	0.8
	33"	10'-10"	4'-8"	6'-4"	7'-3 1/2"	224	2.0	4'-8"	71	0.9
	36"	11'-8 1/2"	4'-11 1/2"	6'-10"	7'-10 1/2"	249	2.2	5'-1"	81	1.0
	42"	13'-5 1/2"	5'-6 1/2"	7'-10"	9'-0 1/2"	298	2.8	5'-10"	97	1.3
	48"	15'-9"	6'-1 1/2"	9'-4"	10'-9 1/2"	360	3.8	6'-7"	117	1.7
	54"	17'-5 1/2"	6'-8 1/2"	10'-4"	11'-11 1/2"	427	4.5	7'-6"	141	2.0
3:1	12"	19'-2 1/2"	7'-3 1/2"	11'-4"	13'-1"	481	5.3	8'-3"	174	2.5
	15"	20'-11 1/2"	7'-10 1/2"	12'-4"	14'-3"	544	6.2	8'-9"	194	2.9
	18"	22'-8 1/2"	8'-5 1/2"	13'-4"	15'-4 1/2"	601	7.1	9'-4"	213	3.3
	21"	24'-6"	9'-0"	14'-3"	16'-4"	664	8.0	10'-0"	232	3.7
	24"	26'-4"	9'-5"	15'-0"	17'-4"	724	8.9	10'-6"	251	4.1
	27"	28'-2"	10'-0"	16'-0"	18'-4"	784	9.8	11'-2"	270	4.5
	30"	29'-10"	10'-5"	17'-0"	19'-4"	844	10.7	11'-8"	289	4.9
	33"	31'-8"	11'-0"	18'-0"	20'-4"	904	11.6	12'-4"	308	5.3
	36"	33'-6"	11'-5"	19'-0"	21'-4"	964	12.5	13'-0"	327	5.7
	42"	37'-4"	12'-0"	20'-0"	23'-4"	1084	14.4	14'-6"	366	6.6
	48"	41'-2"	12'-5"	21'-0"	25'-4"	1204	16.3	16'-2"	405	7.5
	54"	45'-0"	13'-0"	22'-0"	27'-4"	1324	18.2	17'-8"	444	8.4
4:1	12"	27'-0"	12'-0"	20'-0"	25'-0"	1204	18.2	17'-8"	444	8.4
	15"	28'-6"	12'-6"	21'-0"	26'-0"	1264	19.1	18'-4"	463	8.8
	18"	30'-2"	13'-2"	22'-0"	27'-0"	1324	19.9	19'-0"	482	9.2
	21"	31'-8"	13'-8"	23'-0"	28'-0"	1384	20.8	19'-6"	501	9.6
	24"	33'-4"	14'-4"	24'-0"	29'-0"	1444	21.7	20'-2"	520	10.0
	27"	35'-0"	15'-0"	25'-0"	30'-0"	1504	22.6	20'-8"	539	10.4
	30"	36'-6"	15'-6"	26'-0"	31'-0"	1564	23.5	21'-4"	558	10.8
	33"	38'-2"	16'-2"	27'-0"	32'-0"	1624	24.4	22'-0"	577	11.2
	36"	39'-8"	16'-8"	28'-0"	33'-0"	1684	25.3	22'-6"	596	11.6
	42"	43'-4"	17'-4"	30'-0"	35'-0"	1804	27.2	24'-2"	635	12.5
	48"	47'-0"	18'-0"	31'-0"	36'-0"	1864	28.1	24'-8"	654	12.9
	54"	50'-6"	18'-6"	32'-0"	37'-0"	1924	29.0	25'-4"	673	13.3
6:1	12"	45'-4 1/2"	17'-3 1/2"	34'-0"	39'-3"	1,631	22.8	8'-3"	353	6.0
	15"	47'-0"	17'-9"	34'-6"	39'-6"	1,691	23.7	8'-9"	372	6.4
	18"	48'-6"	18'-5"	35'-0"	40'-0"	1,751	24.6	9'-5"	391	6.8
	21"	50'-2"	19'-1"	35'-3"	40'-3"	1,811	25.5	10'-1"	410	7.2
	24"	51'-8"	19'-7"	35'-6"	40'-6"	1,871	26.4	10'-7"	429	7.6
	27"	53'-4"	20'-3"	36'-0"	41'-0"	1,931	27.3	11'-3"	448	8.0
	30"	55'-0"	20'-9"	36'-3"	41'-3"	1,991	28.2	11'-9"	467	8.4
	33"	56'-6"	21'-5"	36'-6"	41'-6"	2,051	29.1	12'-5"	486	8.8
	36"	58'-2"	22'-1"	37'-0"	42'-0"	2,111	30.0	13'-1"	505	9.2
	42"	62'-2"	23'-2"	38'-0"	43'-0"	2,231	31.9	14'-2"	544	10.1
	48"	66'-2"	23'-8"	39'-0"	44'-0"	2,351	33.8	15'-2"	583	11.0
	54"	70'-2"	24'-4"	40'-0"	45'-0"	2,471	35.7	16'-2"	622	11.9



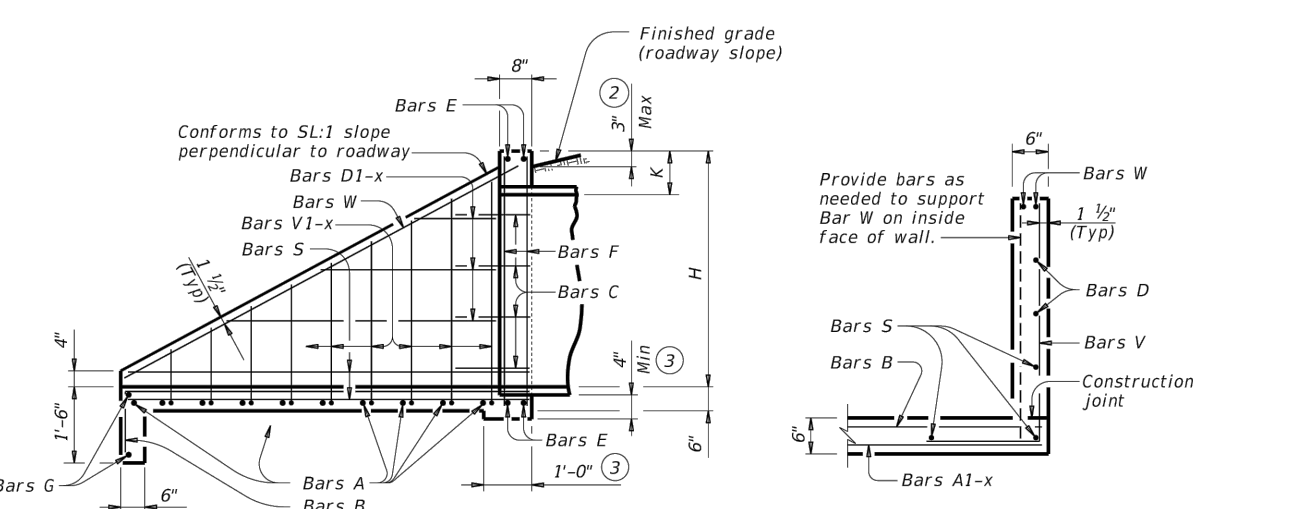
ELEVATION
(Showing dimensions.)

BARS V

BARS CL
(Length = 2'-5")



PLAN



TYPICAL WING ELEVATION