

SITE DEVELOPMENT PLANS FOR  
HALLSVILLE I.S.D. BOBCAT STADIUM  
PARKING LOT EXPANSION

2 BOBCAT LANE  
HALLSVILLE, TX 75650

PREPARED BY: **JOHNSON & PACE**  
INCORPORATED  
ENGINEERING • ARCHITECTURE • SURVEYING  
1281 NW LOOP 281, SUITE 100  
LONGVIEW, TEXAS 75604  
(903)753-5663 FAX (903)753-8803  
website: www.johnsonpace.com  
TBP# F-4891

  
JOE W. HART, III, P.E.  
9/9/2025

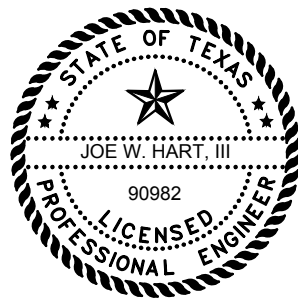
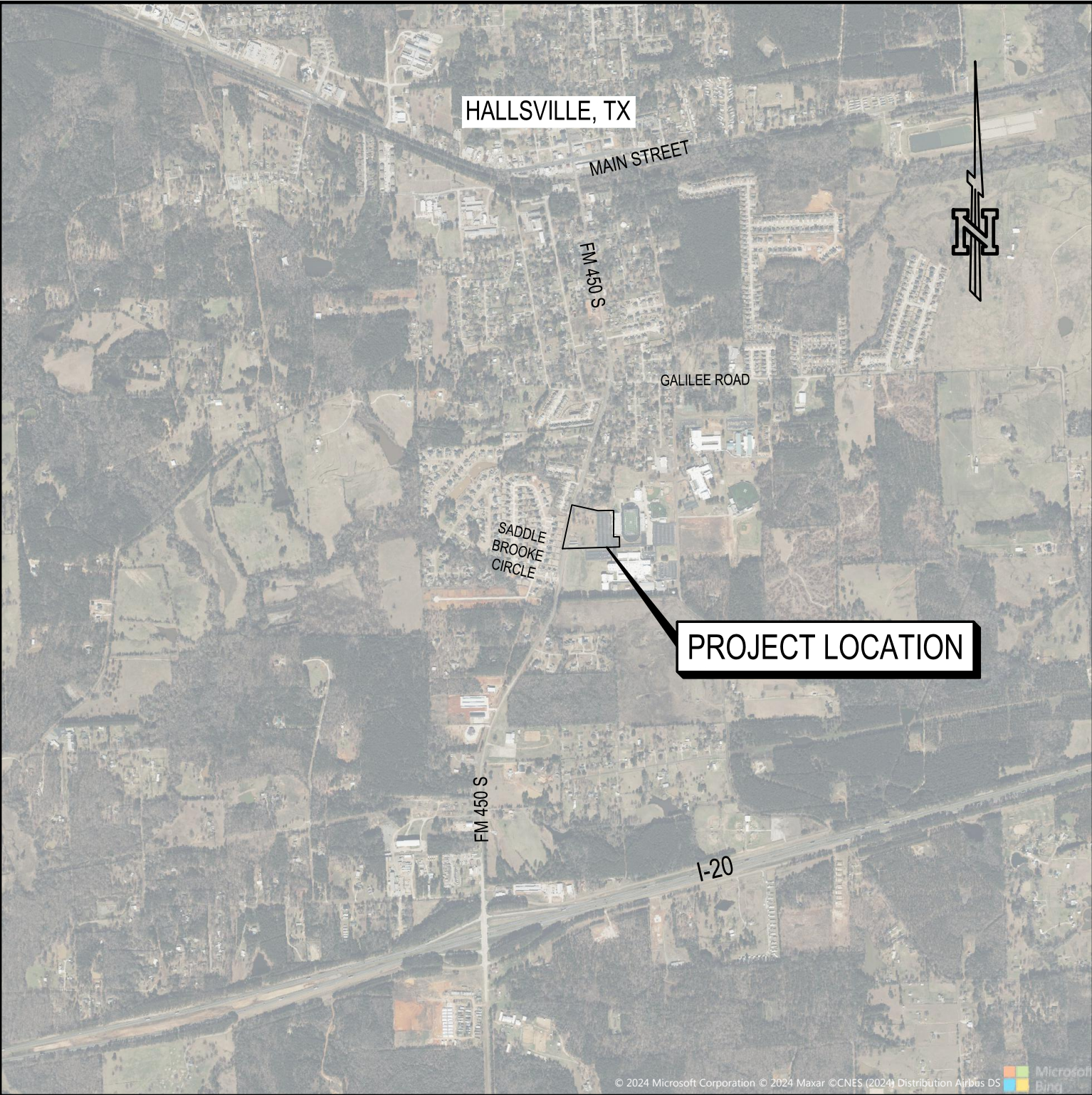


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VICINITY MAP  
N.T.S.

APPROVED BY:  
HALLSVILLE INDEPENDENT SCHOOL DISTRICT

SUPERINTENDENT:  
JOHN MARTIN  
300 WILLOW STREET  
HALLSVILLE, TX 75650  
PHONE: 903-668-5990  
EMAIL: jmartin@hisd.com

HISD BOARD OF TRUSTEES:  
JAY NELSON, PRESIDENT  
DALE HANEY, VICE PRESIDENT  
TROY CRAFTON, SECRETARY  
DOUG McGARVEY, ASSISTANT SECRETARY  
JASON AINSWORTH, TRUSTEE  
MATT FOLMER, TRUSTEE  
SHANE GOSWICK, TRUSTEE





Know what's **below**.  
**Call** before you dig.

## LEGEND

UNLESS NOTED OTHERWISE

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\_\_\_\_\_

\_\_\_\_\_ W \_\_\_\_\_

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 8 

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OHE/T

100

---

FIRE LINE

0



● <sup>PCU</sup>

www

FDC




00



1

### TREE LEGEND

 OAK TREE (1)

 PINE TREES (2)

 SWEETGUM TREE

OTHER TREES (4)

**TOPOGRAPHIC SURVEY NOTE**

EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS WAS PREPARED BY JOHNSON & PACE INCORPORATED. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW. THE ENGINEER'S SEAL, ON THESE PLANS DOES NOT APPLY TO THE PROPERTY BOUNDARY INFORMATION SHOWN HEREON.

## REFERENCE MARKERS

IF THE CONTRACTOR RELOCATES REFERENCE MARKERS WITH A NEW REFERENCE MARKER, IT SHALL BE LOCATED WITHIN A HORIZONTAL AND VERTICAL TOLERANCE OF 0.10'

CP #2	SET 'X' IN CONCRETE NORTHING - 6,883,386.99 EASTING - 33,178,621.16 ELEVATION - 368.07	CP #4	SET 'X' IN CONCRETE NORTHING - 6,883,977.56 EASTING - 3,179,028.44 ELEVATION - 373.89
CP #3	SET 'X' IN CONCRETE NORTHING - 6,883,949.90 EASTING - 3,178,496.59 ELEVATION - 367.58	CP #5	SET 'X' IN CONCRETE NORTHING - 6,883,404.11 EASTING - 3,179,066.16 ELEVATION - 379.79

**\*\*CAUTION\*\* - NOTICE TO CONTRACTOR**

THE CONTRACTOR IS PUT ON NOTICE THAT THERE MAY BE NUMEROUS UNDERGROUND UTILITIES IN THE LINE OF WORK, SUCH AS WATER, SEWER, GAS, PIPELINE, TELEPHONE AND ELECTRIC. SOME MAY BE ABANDONED WHILE MANY ARE ACTIVE. EXISTING UTILITIES SHOWN ON THE PLANS REPRESENT A DILIGENT EFFORT TO SHOW THEIR APPROXIMATE LOCATION.

THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN CONDUCTING EXCAVATION OPERATIONS. DAMAGES SHALL BE REPAIRED IMMEDIATELY AT CONTRACTOR'S EXPENSE.

THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST FIELD LOCATION OF UTILITIES.

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENT SHOWN ON THE PLANS.

**JOHNSON  
& PACE**  
INCORPORATED  
ENGINEERING-ARCHITECTURE-SURVEYING

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TDFE 14461

**jp**™

STATE OF TEXAS  
JOE W. HART III  
INCORPORATED  
PROFESSIONAL ENGINEER

9/9/2025

**HALLSVILLE I.S.D.  
BOBCAT STADIUM  
PARKING LOT EXPANSION  
HALLSVILLE, TEXAS**

[illegible]

## EXISTING SITE PLAN

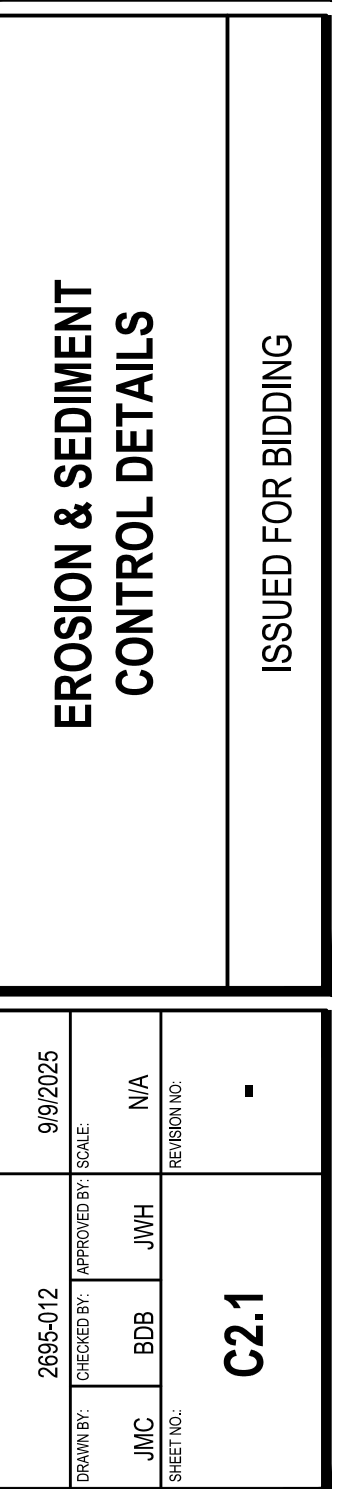
ISSUED FOR BIDDING

JOB NO.	2695-012	ISSUE DATE:	9/9/2025
DRAWN BY:	JMC	CHECKED BY:	BDB
		APPROVED BY:	JWH
		SCALE	1"=40'
SHEET NO.:	REVISION NO.		
	C1.0		
	-		

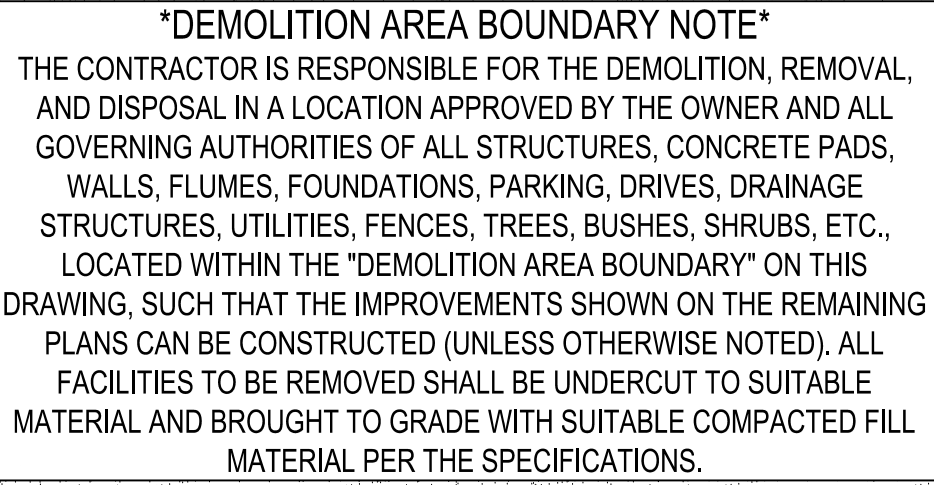












EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THESE PLANS WAS PREPARED BY JOHNSON & PACE INCORPORATED. IF CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW. THE ENGINEER'S SEAL ON THESE PLANS DOES NOT APPLY TO THE PROPERTY BOUNDARY INFORMATION SHOWN HEREON.

IF THE CONTRACTOR RELOCATES REFERENCE MARKERS WITH A NEW REFERENCE MARKER, THE NEW MARKER SHALL BE LOCATED WITHIN A HORIZONTAL AND VERTICAL TOLERANCE OF 0.10

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CP #2	SET 'X' IN CONCRETE NORTHING - 6,883,386.99 EASTING - 33,178,621.16 ELEVATION - 368.07'	CP #4	SET 'X' IN CONCRETE NORTHING - 6,883,977. EASTING - 3,179,028.4 ELEVATION - 373.89'
CP #3	SET 'X' IN CONCRETE NORTHING - 6,883,949.90 EASTING - 3,178,496.59 ELEVATION - 367.58'	CP #5	SET 'X' IN CONCRETE NORTHING - 6,883,404. EASTING - 3,179,066.16 ELEVATION - 379.79'

ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY LOCAL CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO SUBSTANTIAL PROJECT COMPLETION.



ALL UTILITIES AVAILABLE  
UNLESS NOTED

ALL UTILITIES ARE EXISTING UNLESS NOTED OTHERWISE	INDICATES PROPOSED	P-6" W	INDICATES 6" W
FIRE DEPARTMENT CONNECTION			
WATER METER			
WATER VALVE			
DETECTOR METER			
FIRE HYDRANT			
IRRIGATION CONTROL VALVE			
BLOWOFF VALVE			
GAS METER			
GAS VALVE			
SEWER CLEANOUT			
SEWER MANHOLE			
ELECTRIC PULL BOX			
ELECTRIC METER			
ELECTRIC PEDESTAL			
POWER POLE			
POWER POLE WITH METER			
POWER POLE WITH TRANSFORMER			
POWER POLE WITH SIGNAL LIGHT			
LIGHT POLE			
GUY WIRE			
ELECTRIC TRANSFORMER PAD			
JUNCTION BOX			
CURB INLET			
GRATE INLET			
HEADWALL			
PIPE BOLLARD			
BOUNDARY MARKER IRON PIPE			
NUMBER OF PARKING SPACES PER ROW			
TYPE "A" C&G			
INDICATES TYPE OF CURB			
TYPE "B" C&G			
AND GUTTER TO BE INSTALLED			
(SEE DETAIL SHEET C-5.1)			
_____ W _____			
WATER LINE			
_____ S _____			
SANITARY SEWER			
=====			
CURB AND GUTTER			
- - - - -			
STORM SEWER			
_____ OHE _____			
OVERHEAD ELECTRIC LINE			
_____ GAS _____			
GAS LINE			
_____ UGE _____			
UNDERGROUND ELECTRIC LINE			
_____ UGTC _____			
UNDERGROUND TELEPHONE/CABLE LINE			
_____ FIRE LINE _____			
FIRE LINE			
_____ O _____			
SIGN			

[illegible]

THE CONTRACTOR IS PUT ON NOTICE THAT THERE MAY BE NUMEROUS UNDERGROUND UTILITIES IN THE LINE OF WORK, SUCH AS WATER, SEWER, GAS, PIPELINE, TELEPHONE AND CABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES. THE PLANS REPRESENT A DILIGENT EFFORT TO SHOW THEIR APPROXIMATE LOCATION.

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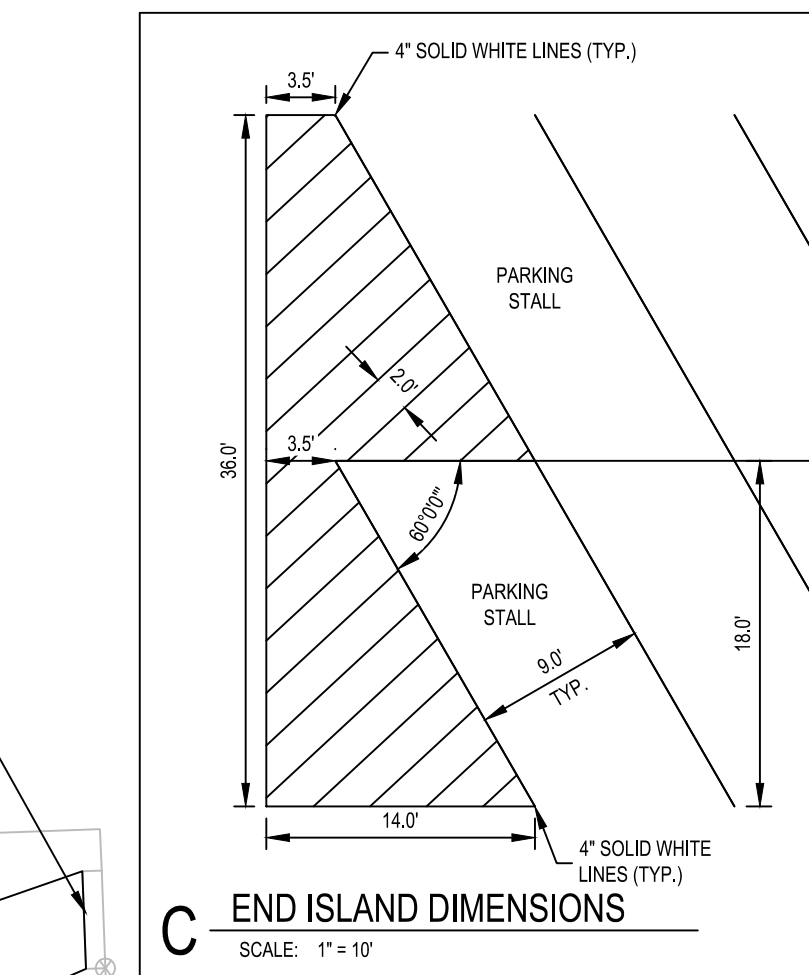
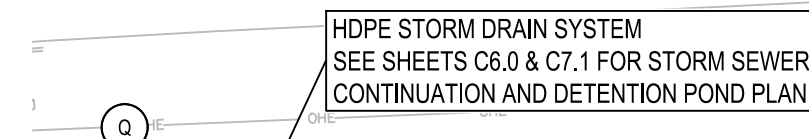
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND IS NOT GUARANTEED. IF ANY EXISTING UTILITIES ARE FOUND, THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IF SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE LOCATION OF UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENT SHOWN ON THE PLANS.

[illegible]

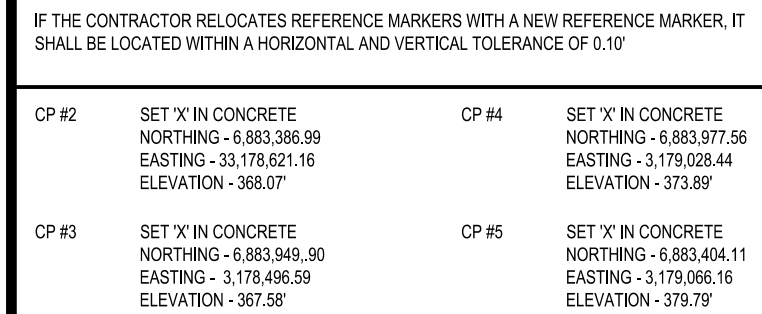
ISSUED FOR BIDDING

JOB NO.:	2695-012		ISSUE DATE:		9/9/2025
DRAWN BY:	JMC	BDB	APPROVED BY:	JWH	1"=60'
SHEET NO.:			REVISION NO.		-

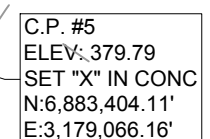




GUIDELINES SET FORTH IN PART VI "STANDARDS AND GUIDES FOR TRAFFIC CONTROLS FOR STREET AND HIGHWAY CONSTRUCTION, MAINTENANCE, UTILITY, AND INCIDENT MANAGEMENT OPERATIONS" OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MOST RECENT EDITION AS REVISED) SHALL BE OBSERVED.



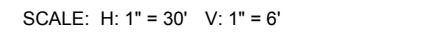




HARD SURFACE FOR EMERGENCY ACCESS SHALL BE CONSTRUCTED ALONG "FIRE LANE" ROUTE PRIOR TO ERECTING BUILDING STRUCTURE. FIRE LANES WILL REMAIN CLEAR DURING CONSTRUCTION.

JOB NO.	2695-012		ISSUE DATE: 9/9/2025	
DRAWN BY: JMC	CHECKED BY: BDB	APPROVED BY: JWH	SCALE: 1"=40'	
SHEET NO.:			REVISION NO.	
C5.0			-	





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OUTPUT FOR DESIGN FREQUENCY of: 25 Years

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Inlet ID	Inlet Type	Length/Perim. (ft)	Grate Area (sf)	Left-Slope Long Trans. (%)	Left-Slope Right Long Trans. (%)	Right-Slope Long Trans. (%)	Gutter n Depth (ft)	Depth Allowed (ft)	Critical Elev. (ft)		
SD1	Curb	10.00	n/a	0.50	2.00	0.50	2.00	0.014	1.50	1.13	369.80
SD2	Curb	10.00	n/a	1.60	2.00	1.50	2.00	0.013	1.50	1.13	369.88
SD3	Curb	10.00	n/a	1.60	2.00	1.50	2.00	0.013	1.50	1.13	368.50

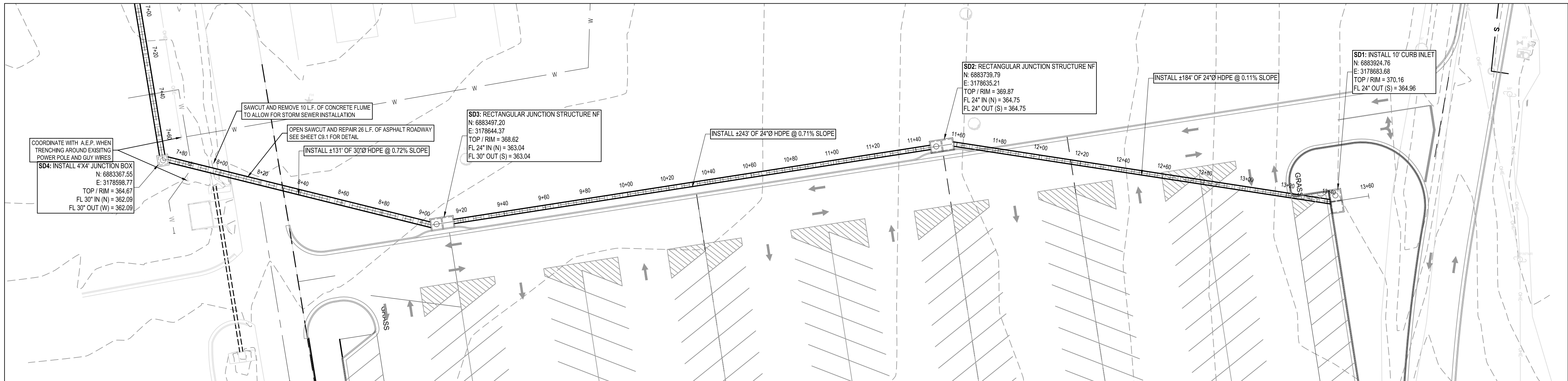
Inlet ID	Inlet Type	Length (ft)	Grate Perin Area (ft <sup>2</sup> )	Total Q (cfs)	Inlet Capacity (cfs)	Total Head (ft)	Ponded Left (ft)	Width Right (ft)
SD1	Curb	10.00	n/a	8.177	34.855	0.428	13.25	13.25
SD2	Curb	n/a	n/a	13.944	34.855	0.611	12.65	12.80
SD3	Curb	10.00	n/a	17.874	30.278	0.596	13.90	14.05

Node I.D.	Node Type	Weighted C-Value	Cumulat. Dr. Area (acres)	Cumulat. Intens. (in/hr)	User Supply Q (cfs)	Additional Q in Node (cfs)	Total Disch. (cfs)
SD1	Curb	0.930	1.12	10.00	7.85	0.000	0.00
SD2	Curb	0.930	3.03	10.95	7.85	0.000	0.00
SD3	Curb	0.916	5.56	11.45	7.85	0.000	0.00
SD4	BoxHd	0.916	5.56	11.69	7.85	0.000	0.00
SD5	JctcHb	0.916	5.56	11.98	7.85	0.000	0.00
OUT	Outfall	0.916	5.56	11.98	7.85	0.000	0.00

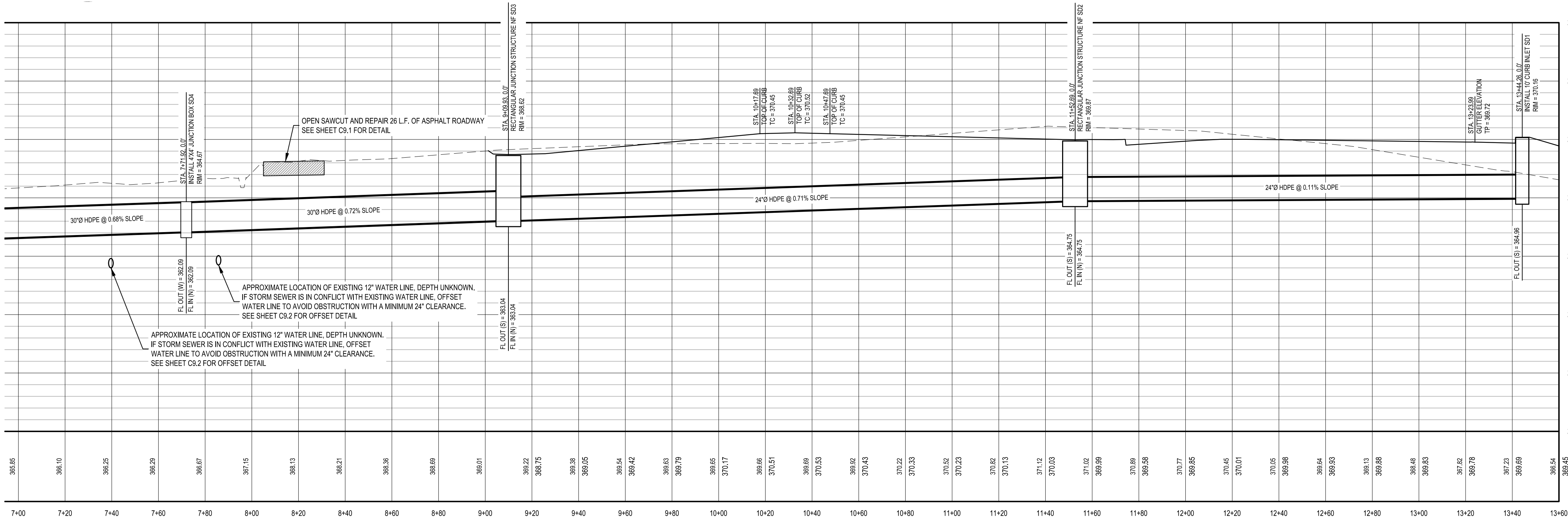
Run#	Node I.D.		Flowline Elev.		Shape	#	Span (ft)	Rise (ft)	Length (ft)	Slope (%)	n_value
	US	DS	US (ft)	DS (ft)							
1	SD1	SD2	364.96	364.75	Circle	1	0.00	2.00	184.00	0.69	0.011
2	SD2	SD3	364.72	363.04	Circle	1	0.00	2.00	243.00	0.61	0.011
3	SD3	SD4	363.04	362.09	Circle	1	0.00	2.50	137.00	0.69	0.011
4	SD4	SD5	362.09	361.00	Circle	1	0.00	2.50	160.00	0.68	0.011
5	SD5	OUT	361.00	356.25	Circle	1	0.00	2.50	466.00	1.02	0.011

Conveyance Hydraulic Computations. Tailwater = 357.970 (ft)										
Run#	Hydraulic GradeLine			Depth		Velocity		Q	Cap	Loss (ft)
	US Elev (ft)	DS Elev (ft)	Fr.Slope (%)	Unif. (ft)	Actual (ft)	Unif. (ft/s)	Actual (ft/s)			
	369.73	369.56	0.094	1.50	2.00	2.24	2.60	8.18	9.03	0.001
1*	369.56	367.51	0.684	1.63	2.00	8.09	7.04	22.12	22.23	0.385
3*	365.95	365.96	0.681	2.03	2.50	9.36	8.15	39.99	40.37	0.619
4	365.96	364.25	0.681	2.05	2.50	9.28	8.15	39.99	40.02	0.619
5*	364.25	357.97	0.681	1.72	1.72	11.12	11.11	39.99	48.95	1.534
END										

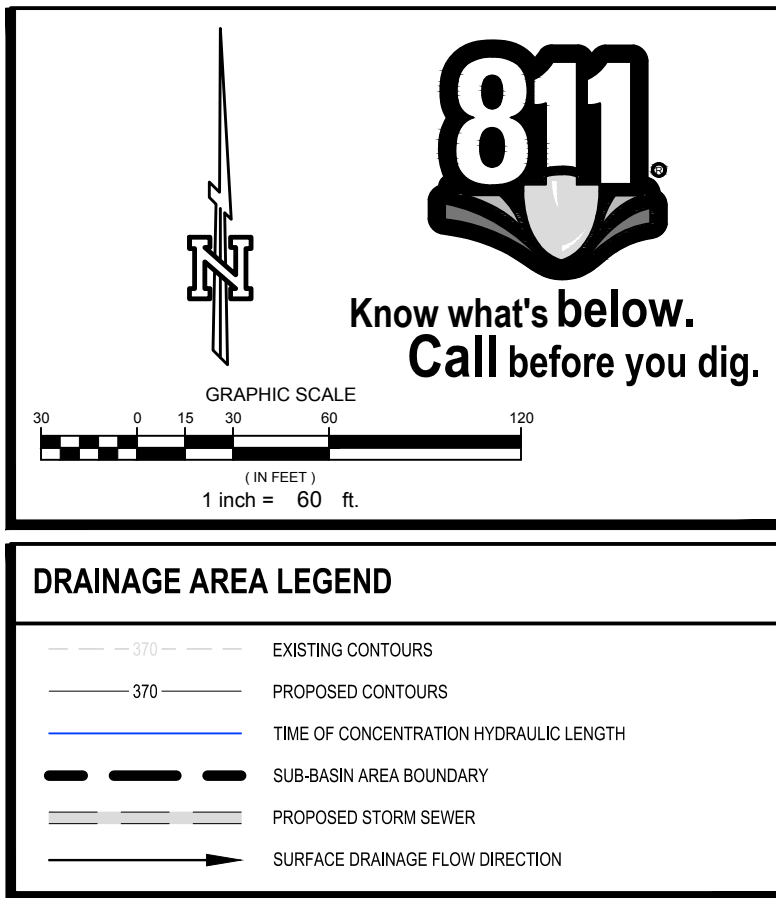




**STORM DRAIN PLAN VIEW**  
SCALE: 1" = 30' STA 0+00.00 TO 6+40.00



### STORM DRAIN PROFILE VIEW



WinStorm (STORM DRAIN DESIGN) Version 3.05, Jan. 25, 2002  
Run @ 9/8/2025 8:44:47 AM

PROJECT NAME : HALLSVILLE ISD BOBCAT PARKING  
JOB NUMBER : 5816-002  
PROJECT DESCRIPTION : BOBCAT STADIUM PARKING LOT EXPANSION  
DESIGN FREQUENCY : 25 Years  
MEASUREMENT UNITS: ENGLISH

OUTPUT FOR DESIGN FREQUENCY of: 25 Year:

ID	C Value	Area (acre)	Tc (min)	Tc Used (min)	Intensity (in/hr)	Supply Q (cfs)	Total Q (cfs)
SD1	0.93	1.12	10.00	10.00	7.85	0.000	8.177
SD2	0.93	1.91	10.00	10.00	7.85	0.000	13.944
SD3	0.9	2.53	10.00	10.00	7.85	0.000	17.874

Sag Inlets Configuration Data.

Inlet ID	Inlet Type	Length Perim. (ft)	Grate Area (sf)	Left-Slope Long Trans (%) (%)	Right-Slope Long Trans (%) (%)	Gutter n	Depth Dep't# (ft)	Depth Allowed (ft)	Critical Elev. (ft)
SD1	Curb	10.00	n/a	0.50 2.00	0.50 2.00	0.014	1.50	1.13	369.80
SD2	Curb	10.00	n/a	1.60 2.00	1.50 2.00	0.013	1.50	1.13	369.88
SD3	Curb	10.00	n/a	1.60 2.00	1.50 2.00	0.013	1.50	1.13	368.50

Sag Inlets Computation Data.

Inlet ID	Inlet Type	Length (ft)	Grate Perim Area (ft) (sf)	Total Q (cfs)	Inlet Capacity (cfs)	Total Head (ft)	Ponded Left (ft)	Width Right (ft)
SD1	Curb	10.00	n/a n/a	8.177	34.855	0.428	13.25	13.25
SD2	Curb	10.00	n/a n/a	13.944	34.855	0.611	12.65	12.80
SD3	Curb	10.00	n/a n/a	17.874	30.278	0.596	13.90	14.05

### Cumulative Junction Discharge Computations

Node I.D.	Node Type	Weighted C-Value	Cumulat. Dr. Area (acres)	Cumulat. Intens. (in/hr)	User Supply Q (cfs)	Additional Q in Node (cfs)	Total Disch. (cfs)
SD1	Curb	0.930	1.12	10.00	7.85	0.000	0.00
SD2	Curb	0.930	3.03	10.95	7.85	0.000	0.00
SD3	Curb	0.916	5.56	11.45	7.85	0.000	0.00
SD4	BoxHh	0.916	5.56	11.69	7.85	0.000	0.00
SD5	JctcHh	0.916	5.56	11.98	7.85	0.000	0.00
OUT	Outfall	0.916	5.56	11.98	7.85	0.000	0.00

### Conveyance Configuration Data

Run#	Node I. D.		Floortine Elev.		Shape	#	Span (ft)	Rise (ft)	Length (ft)	Slope (%)	n_value
	US	DS	US (ft)	DS (ft)							
1	SD1	SD2	364.96	364.75	Circ	1	0.00	2.00	184.00	0.11	0.011
2	SD2	SD3	364.72	363.04	Circ	1	0.00	2.00	243.00	0.69	0.011
3	SD3	SD4	363.91	362.09	Circ	1	0.00	2.50	137.00	0.69	0.011
4	SD4	SD5	362.99	361.00	Circ	1	0.00	2.50	160.00	0.68	0.011
5	SD5	OUT	361.00	356.25	Circ	1	0.00	2.50	466.00	1.02	0.011

Conveyance Hydraulic Computations. Tailwater = 357.970 (ft)

Run#	Hydraulic Gradientline			Depth		Velocity		Q	Cap	Loss
	US Elev (ft)	DS Elev (ft)	Fr Slope (%)	Unif. (ft)	Actual (ft)	Unif. (ft/s)	Actual (ft/s)			
1	369.73	369.56	0.094	1.50	2.00	3.24	2.60	18.8	9.03	0.001
2*	369.56	367.51	0.694	1.63	2.00	8.09	7.04	22.12	22.23	0.385
3*	367.51	365.96	0.681	2.03	2.50	9.26	8.15	39.99	40.37	0.619
4	365.96	364.25	0.681	2.05	2.50	9.38	8.15	39.99	40.02	0.619
5*	364.25	357.97	0.681	1.72	1.72	11.12	11.11	39.99	48.95	1.534

**HALLSVILLE I.S.D.  
BOBCAT STADIUM  
PARKING LOT EXPANSION  
HALLSVILLE, TEXAS**

[illegible]

**STORM SEWER P&P**  
**STA 7+00.000 TO**  
**13+60.00**

**ISSUED FOR BIDDING**

JOB NO.	2685-012			ISSUE DATE:	9/9/2025
DRAWN BY:	BDB	CHECKED BY:	BDB	APPROVED BY:	SCALE:
	BDB		BDB		1"=40'
SHEET NO.:				REVISION NO.	-

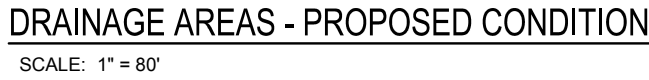




imum $T_c = 10$ min	$T_c =$	10.0 min
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Intensity values interpolated from the NOAA Atlas 14 Precipitation Frequency Data Server (PFDS)

imum Tc = 10 min	Tc =	10.0 min
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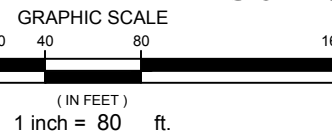
Intensity values interpolated from the NOAA Atlas 14 Precipitation Frequency Data Server (PFDS)

100-YEAR	23.65	11.72
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Intensity values interpolated from the NOAA Atlas 14 Precipitation Frequency Data Server (PFDS).

100-YEAR	34.87	.	11.80	=	23.07
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100-YEAR	49.85	358.82	19.99	23.07
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STATE OF TEXAS

JOE W. HART, III

90992

PROFESSIONAL ENGINEER

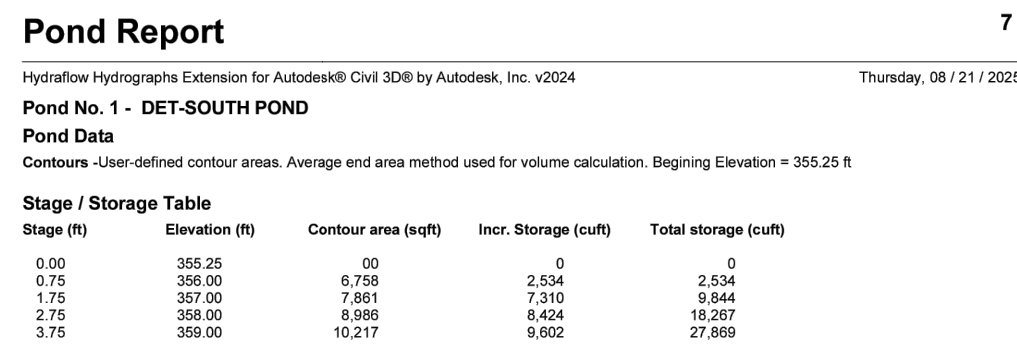
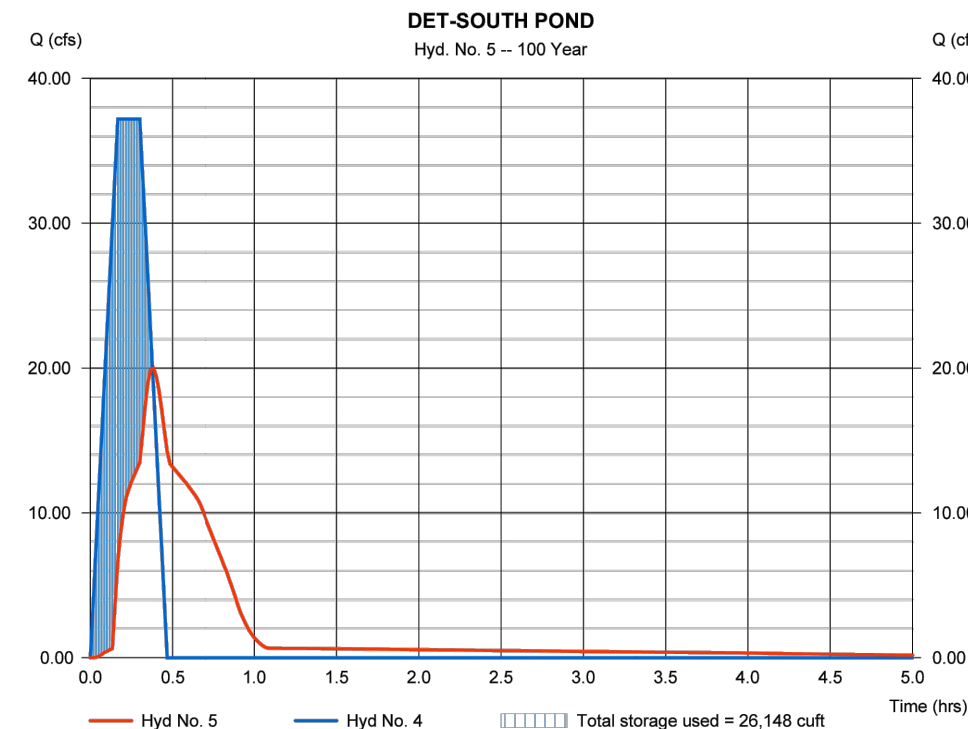
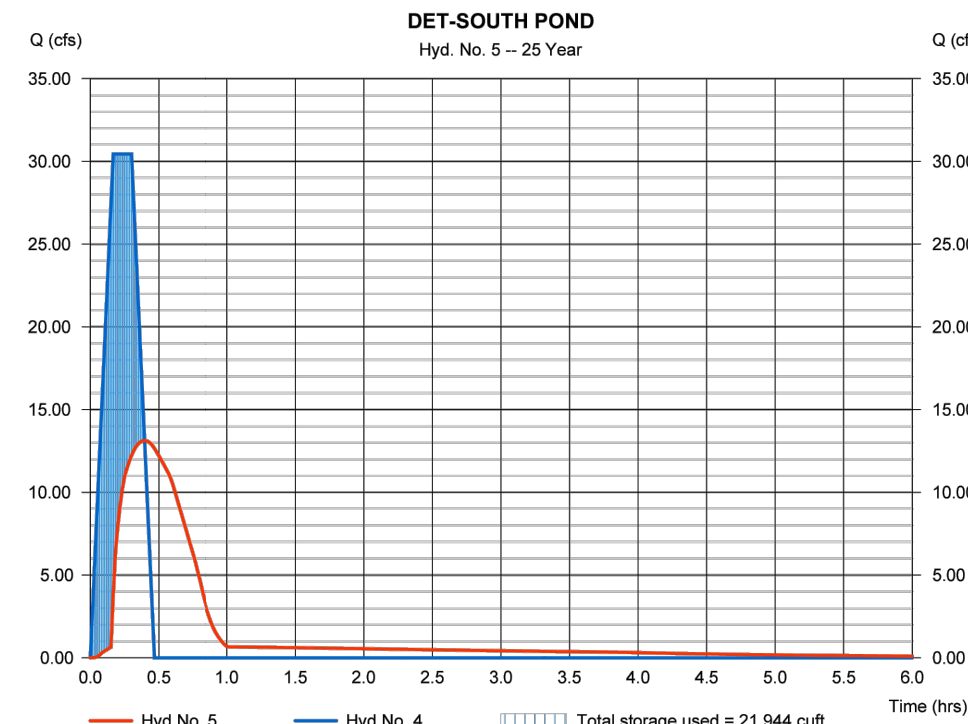
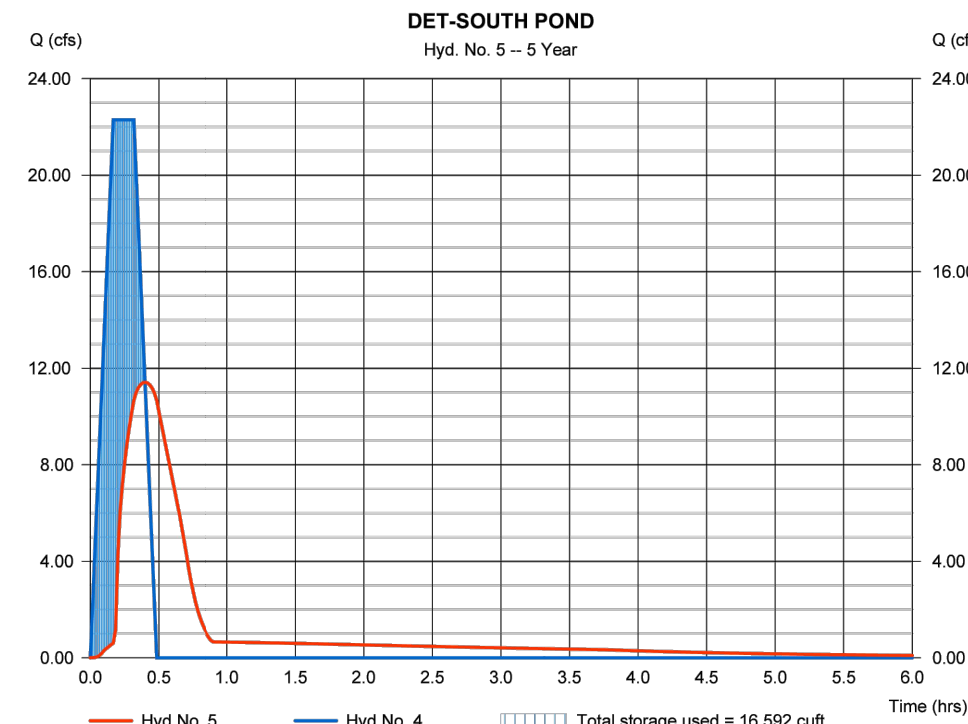
9/9/2025

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DRAWN BY:	CHECKED BY:	APPROVED BY:	SCALE:
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0.73





3' AREA INLET

100 YR HGL = 358.82

25 YR HGL = 358.38

5 YR HGL = 357.80

TOP OF POND ELEV = 359.00

THROAT INV = 358.50

24" OUTLET FROM BOX (WEST)

18" INLET TO BOX (EAST)

ORIFICE INV = 355.25

3.0'

THIS DETAIL IS INTENDED TO SHOW LOCATION AND CHARACTERISTICS OF THE DESIGN HYDRAULICS.  
REFER TO SHEET CS.2 FOR CONSTRUCTION DETAIL OF AREA INLET

DETENTION OUTLET DETAIL

Culvert Calculator Report			
2695-012 Det Outlet Pipe			
Solve For: Headwater Elevation			
<b>Culvert Summary</b>			
Allowable HW Elevation	3.75 ft	Headwater Depth/Height	1.47
Computed Headwater Elevation	358.20 ft	Discharge	19.69 cfs
Inlet Control HW Elev.	358.20 ft	Tailwater Elevation	355.00 ft
Outlet Control HW Elev.	358.10 ft	Control Type	Inlet Control
<b>Grades</b>			
Upstream Invert	355.25 ft	Downstream Invert	355.00 ft
Length	48.00 ft	Constructed Slope	0.005435 ft/ft
<b>Hydraulic Profile</b>			
Profile	M2	Depth, Downstream	1.61 ft
Slope Type	Subcritical	Normal Depth	N/A ft
Flow Regime		Critical Depth	1.61 ft
Velocity Downstream	7.39 ft/s	Critical Slope	0.006914 ft/ft
<b>Section</b>			
Section Shape	Circular	Manning's Coefficient	0.012
Section Material	Corrugated HDPE (Smooth Interior)	Span	2.00 ft
Section Size	24 inch	Rise	2.00 ft
Number Sections	1		
<b>Outlet Control Properties</b>			
Inlet Control HW Elev.	358.10 ft	Upstream Velocity Head	0.71 ft
Ka	0.50	Entrance Loss	0.36 ft
<b>Inlet Control Properties</b>			
Inlet Control HW Elev.	358.20 ft	Flow Control	Submerged
Inlet Type	Square edge with headwall	Area Full	3.14 ft²
K	0.00660	HD5 S Chart	1
M	2.00000	HD5 S Scale	1
C	0.03660	Equation Form	1
Y	0.67000		

**HALLSVILLE I.S.D.  
BOBCAT STADIUM  
PARKING LOT EXPANSION  
HALLSVILLE, TEXAS**

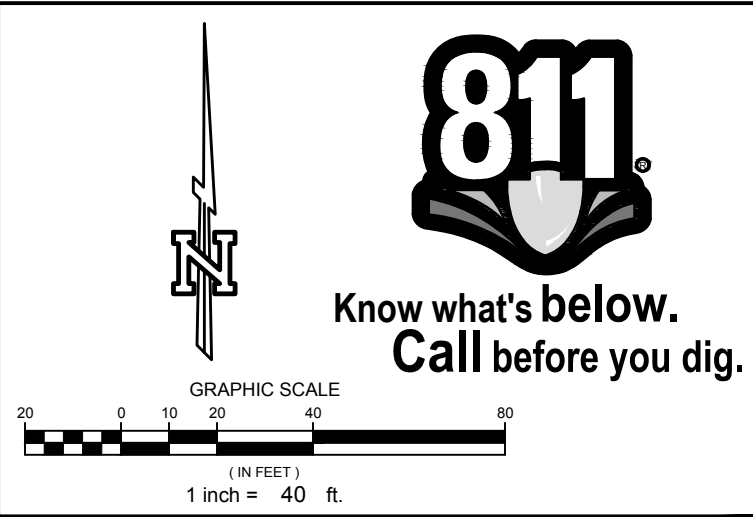
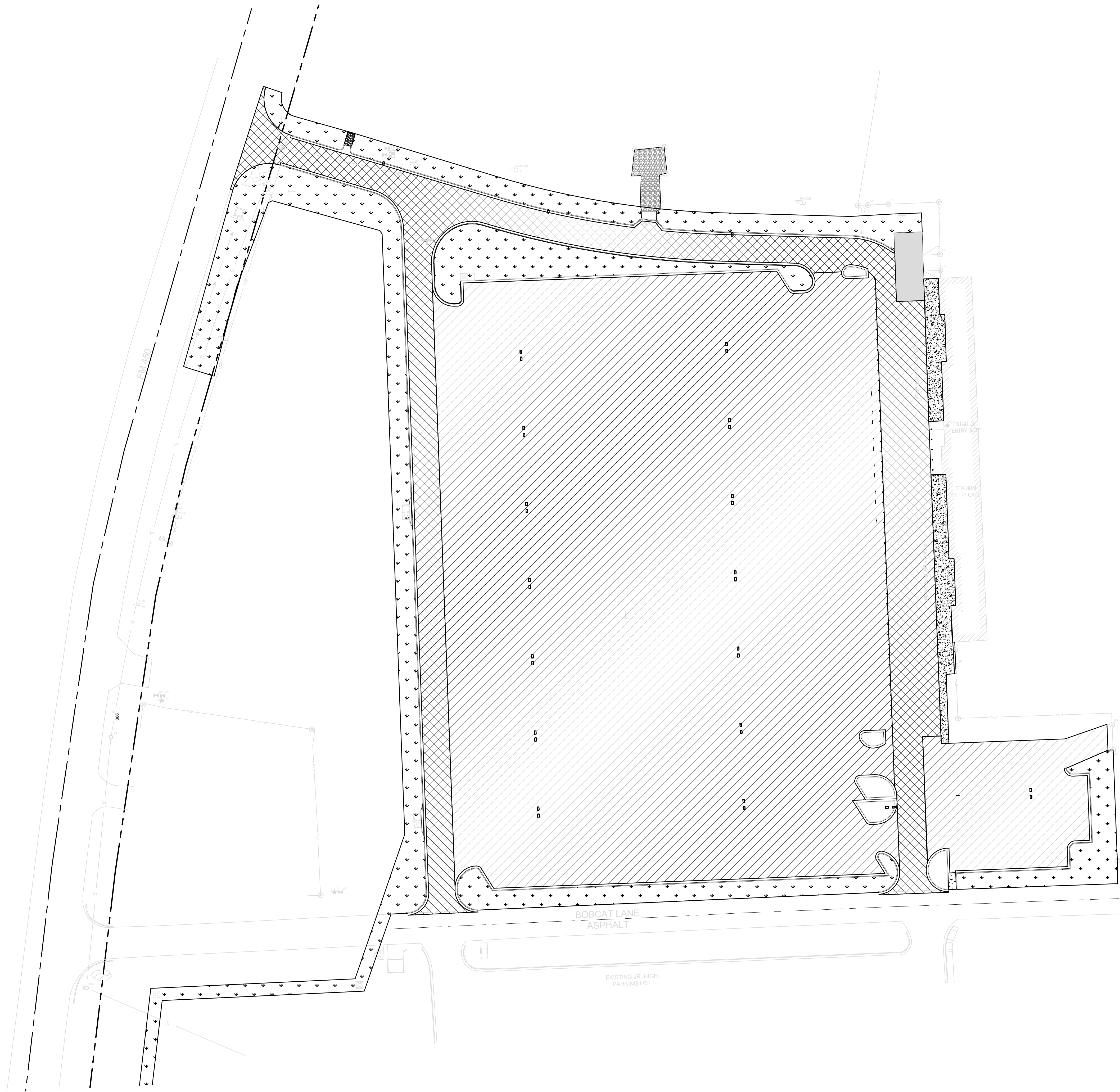
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## DETENTION PLAN





ISSUED FOR BIDDING

D.		2695-012	ISSUE DATE:	9/9/2018
	NO.		REVISION NO.	1**=4*
	JOB	BDB	CHECKED BY:	APPROVED BY:
			JWH	SCALE:
		<b>C7.1</b>		





### PAVEMENT HATCH LEGEND

	CONCRETE SIDEWALK SEE SHEET C9.1 FOR DETAILS
	LIGHT DUTY CONCRETE PAVEMENT SEE SHEET C9.1 FOR DETAILS
	MEDIUM DUTY CONCRETE PAVEMENT SEE SHEET C9.1 FOR DETAILS
	HEAVY DUTY CONCRETE PAVEMENT SEE SHEET C9.1 FOR DETAILS

### PAVEMENT NOTES

THE CONCRETE MIX SHOULD CONTAIN 4.5% - 6.0% ENTRAINED AIR FOR DURABILITY. THE MAXIMUM AGGREGATE SIZE SHOULD BE NO GREATER THAN  $\frac{1}{4}$  THE THICKNESS OF THE SLAB. ALLOW A MINIMUM OF 7 DAYS (IN WARM WEATHER, LONGER IN COLD WEATHER) CURING TIME BEFORE PERMITTING LIGHT TRAFFIC ON THE PAVEMENT

MINIMUM PAVEMENT THICKNESS OF 5.0 INCHES SHALL BE MAINTAINED AT ALL TIMES. ALL EDGES OF PAVEMENT SHOULD BE THICKENED TO 7.0 INCHES, TRANSITIONING BACK TO NORMAL THICKNESS OVER 5.0 FEET.

PAVEMENT THICKNESS TABLE		
TRAFFIC	THICKNESS (IN.)	MAX JOINT SPACING (FT.)
LIGHT DUTY	5.0	12.0
MEDIUM DUTY	6.0	13.0
HEAVY DUTY	7.0	15.0

## PAVEMENT QUANTITIES

PAVEMENT TYPE	AREA (SQUARE YARDS)
SIDEWALK FLATWORK	420
LIGHT DUTY CONCRETE	19,667
MEDIUM DUTY CONCRETE	4,503
HEAVY DUTY CONCRETE	133

**HALLSVILLE I.S.D.  
BOBCAT STADIUM  
PARKING LOT EXPANSION  
HALLSVILLE, TEXAS**

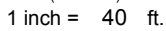
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## PAVING PLAN

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JOB NO:	ISSUE DATE:		9/9/2025
	2695-012	APPROVED BY: SCALE	
DRAWN BY:	CHECKED BY:	APPROVED BY:	1"=40'
BDB	BDB	JWH	
SHEET NO:			REVISION NO:
C8.0			-





PROVIDE FIXED STRUCTURE ISOLATION JOINTS WHERE CONCRETE PAVEMENT IS ADJACENT TO STRUCTURES, INCLUDING BUT NOT LIMITED TO: BUILDINGS, LIGHT POLE BASES, INLET BOXES, ETC.

### GENERAL CONCRETE PAVING JOINT NOTES

- | CONCRETE THICKNESS<br>(INCHES) | MAXIMUM JOINT SPACING<br>(FEET) |
|--------------------------------|---------------------------------|
| 3.5                            | 7.0                             |
| 4.0                            | 8.0                             |
| 4.5                            | 10.0                            |
| 5.0                            | 12.0                            |
| 5.5                            | 12.5                            |
| 6.0                            | 13.0                            |
| OVER 6.0                       | 15.0                            |

35**HALLSVILLE I.S.D.**

REVISIONS

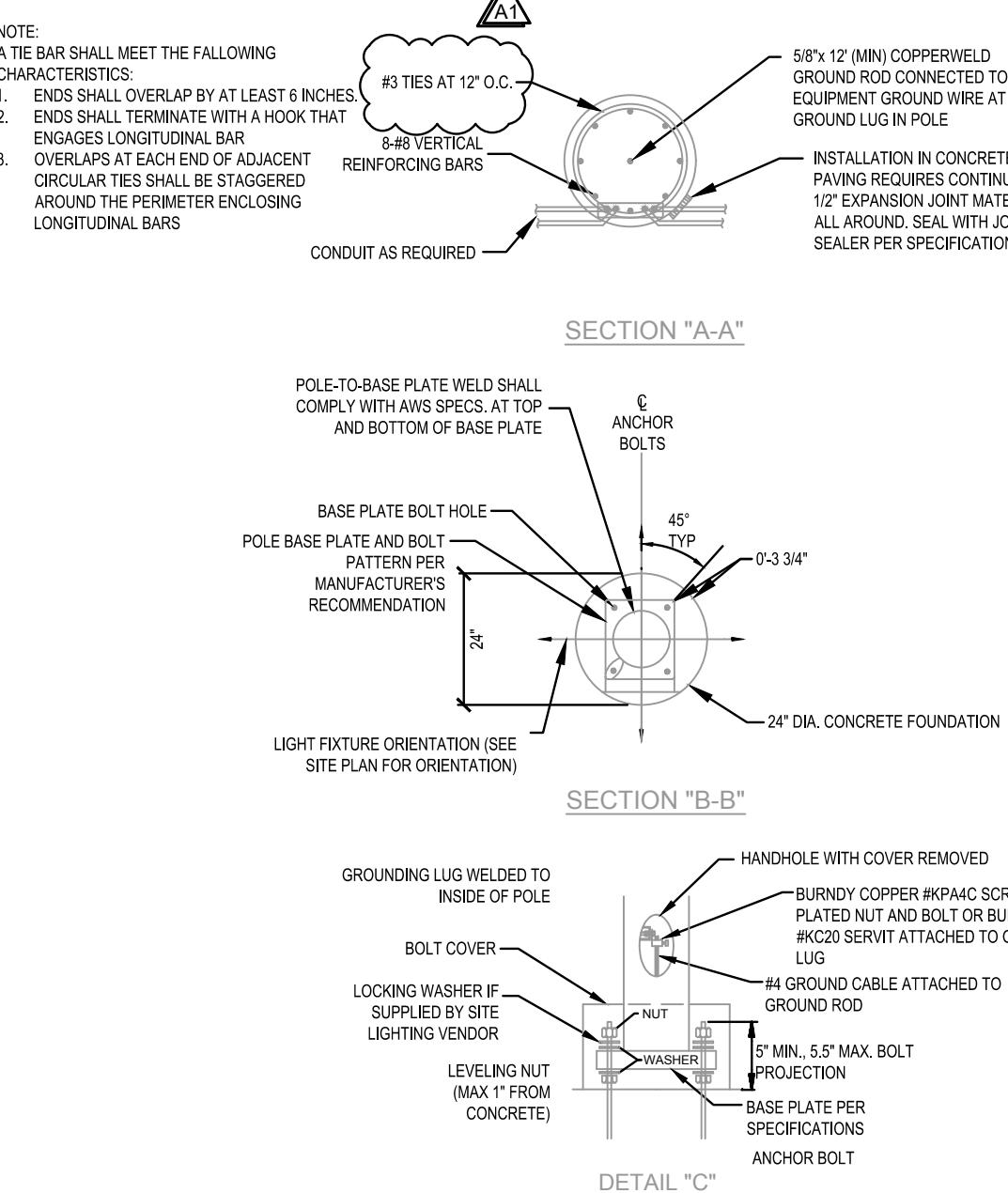
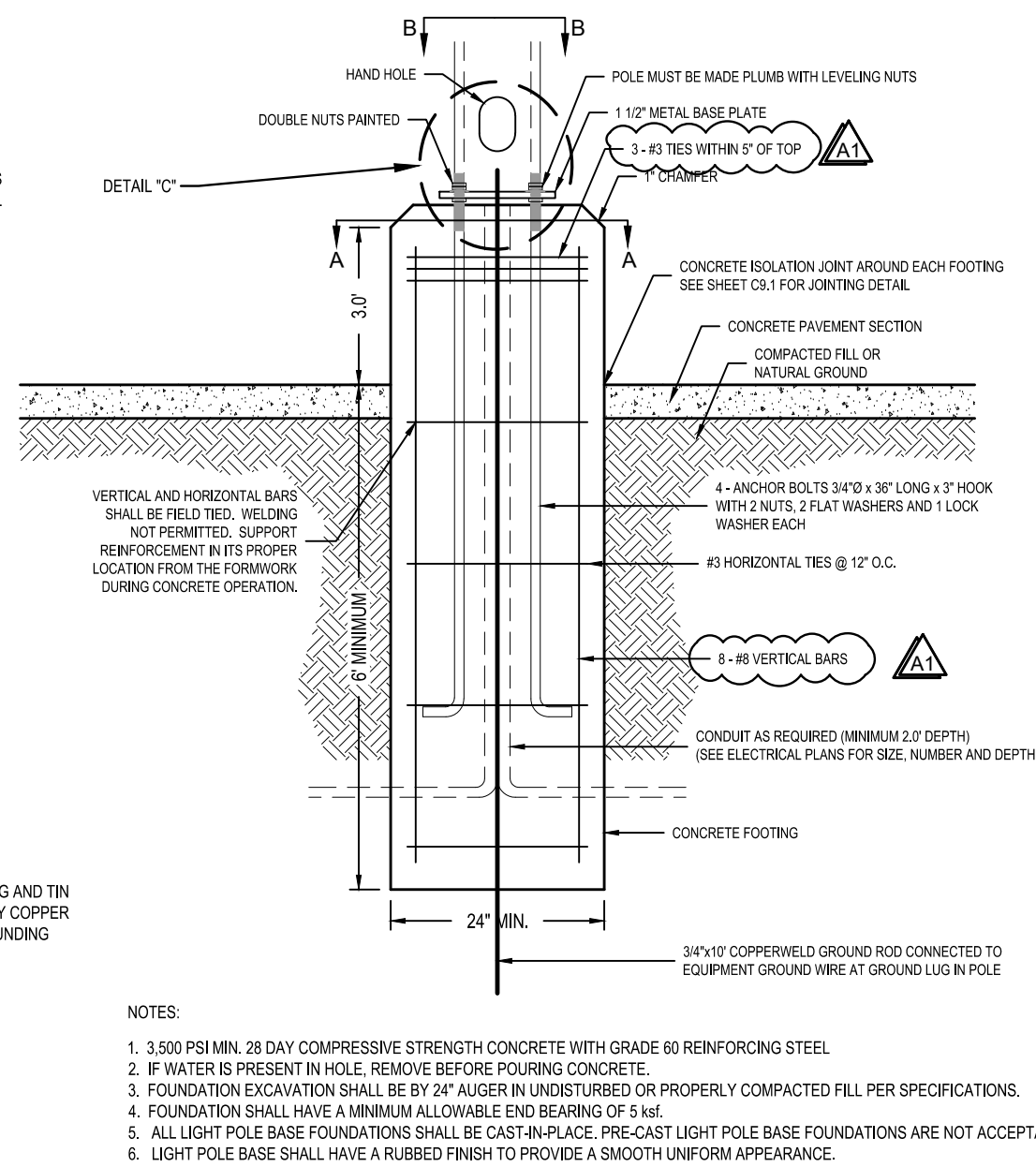
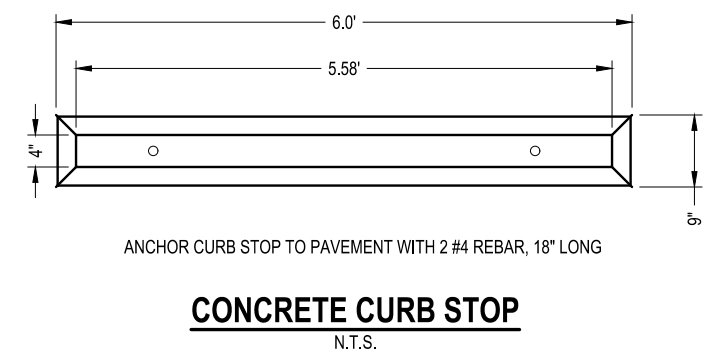
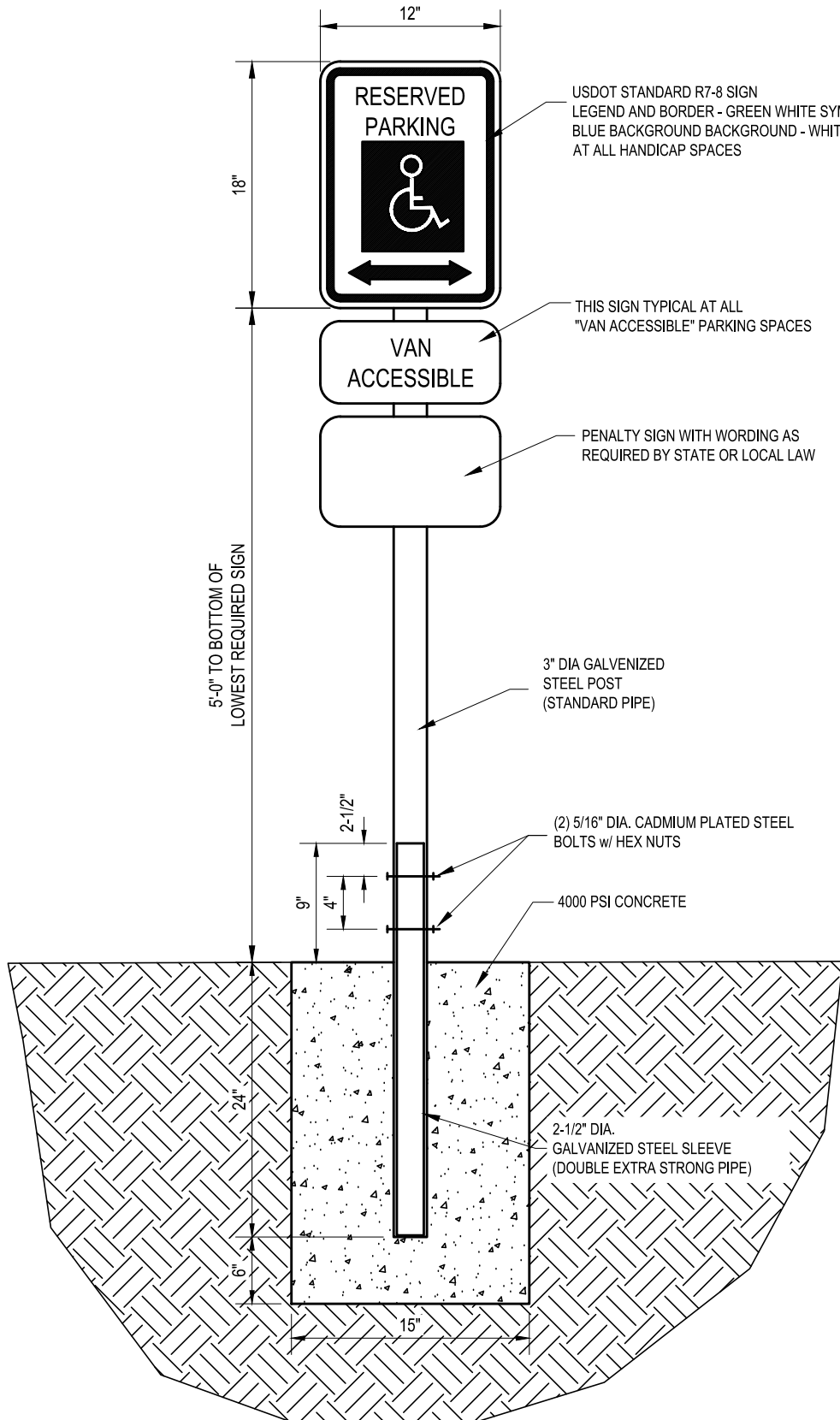
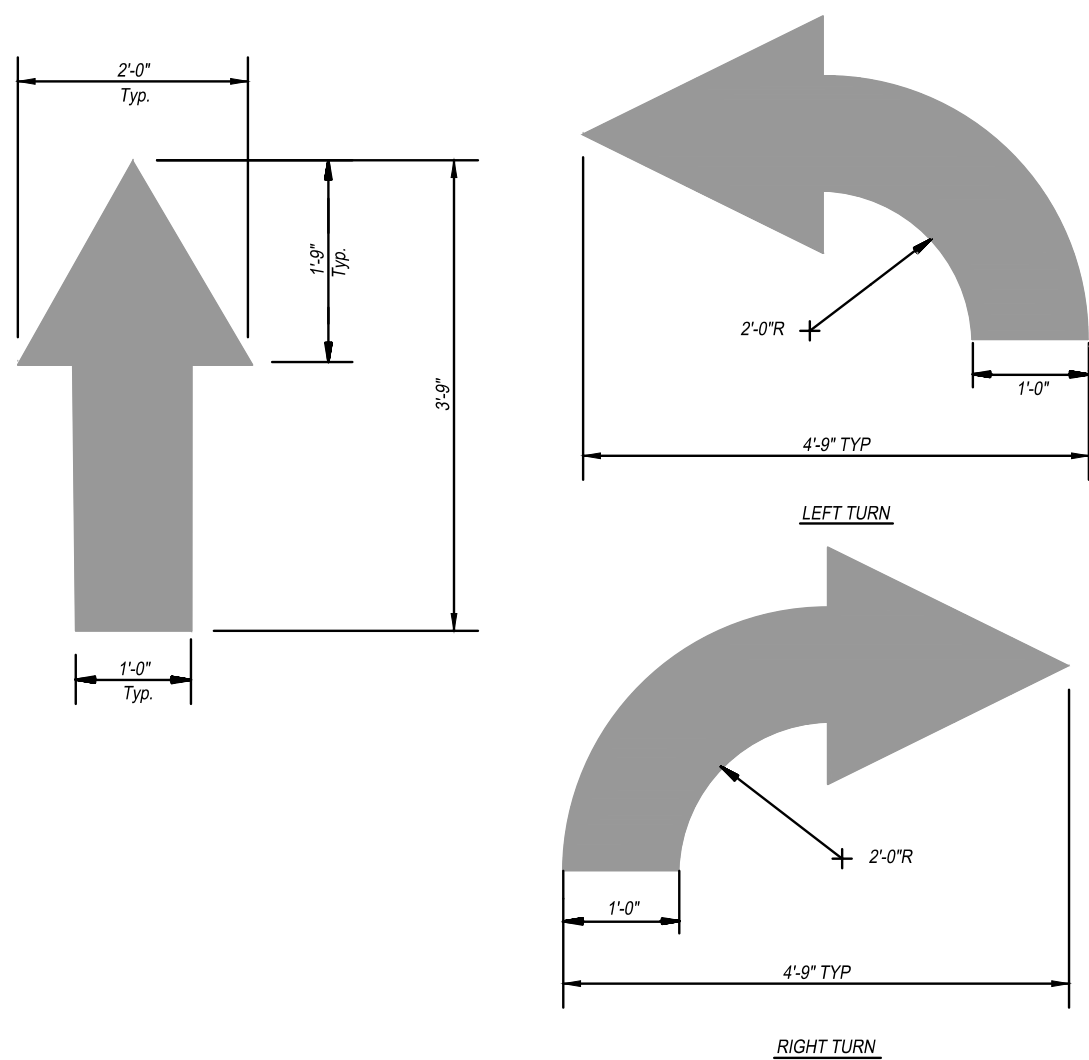
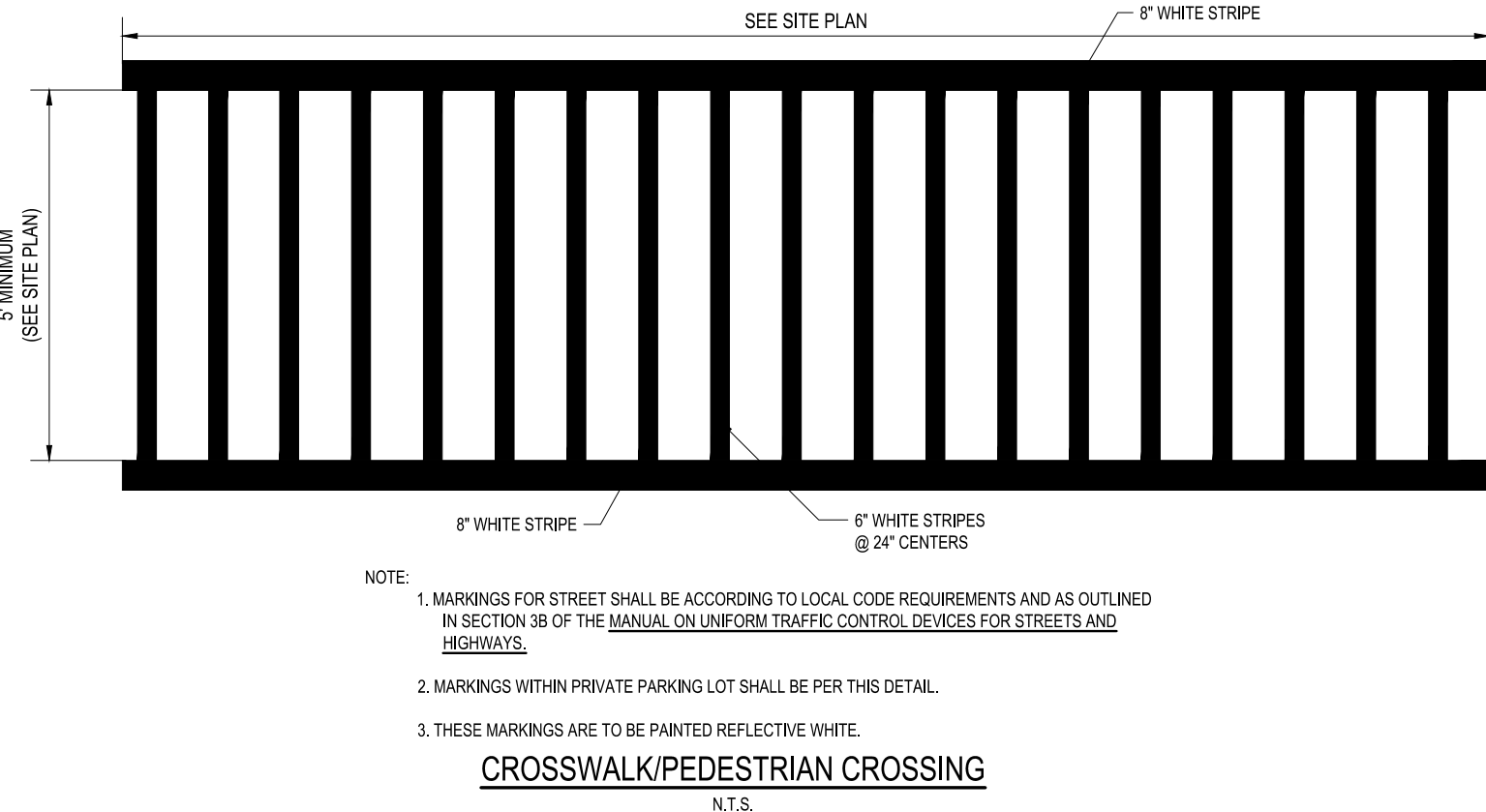
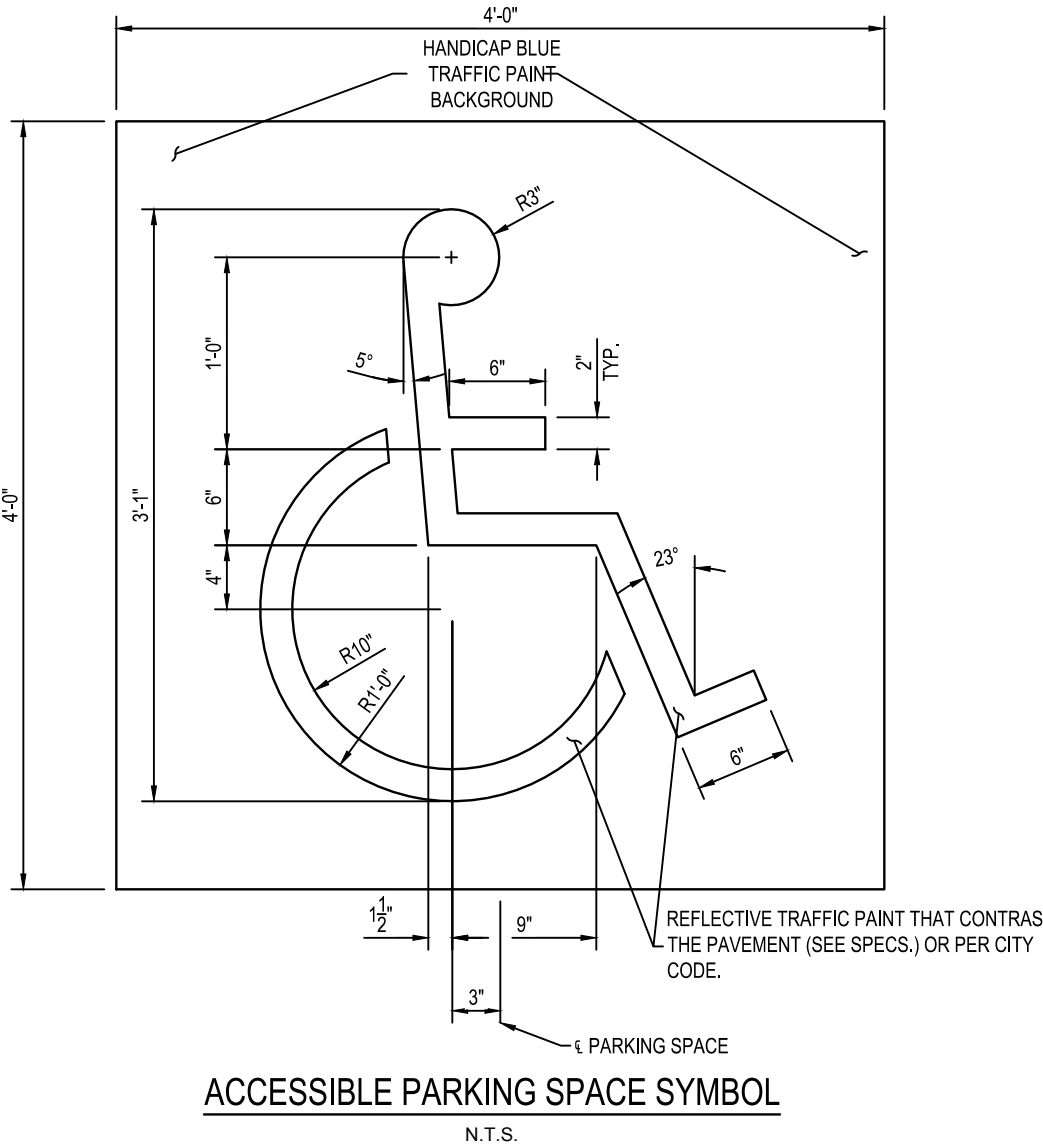
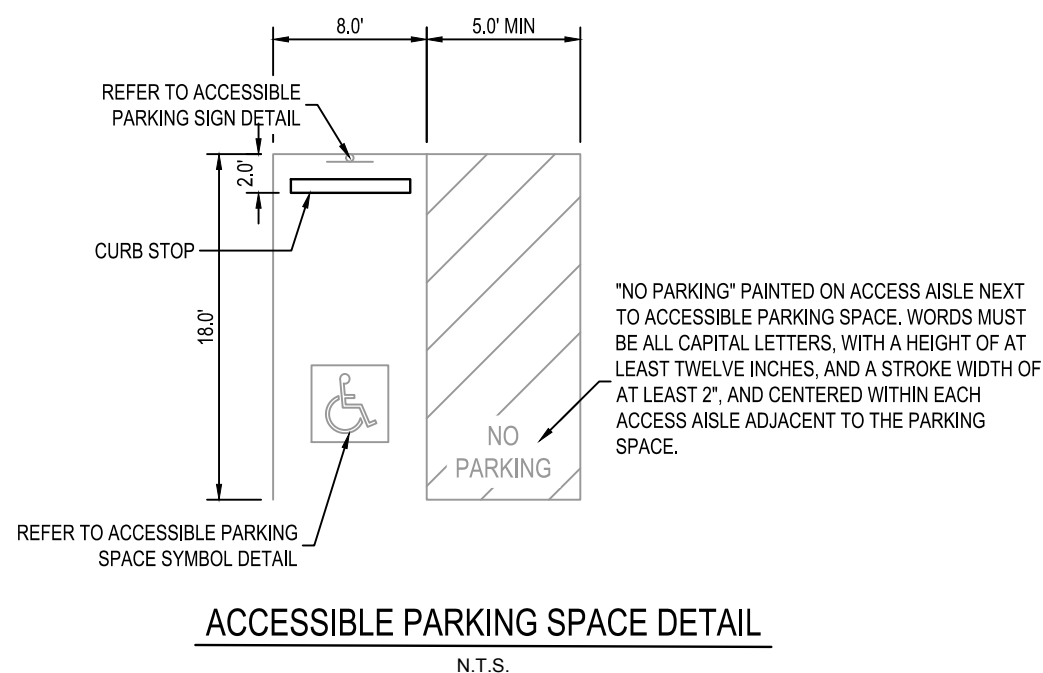
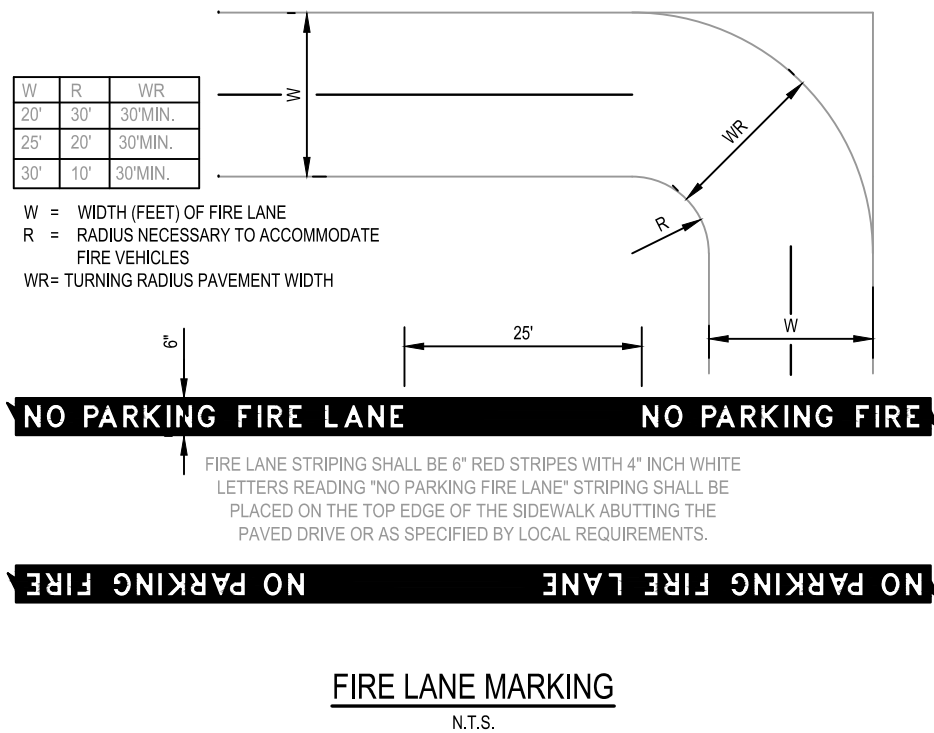
## PAVEMENT JOINTING PLAN

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ISSUE DATE: 9/9/20

33















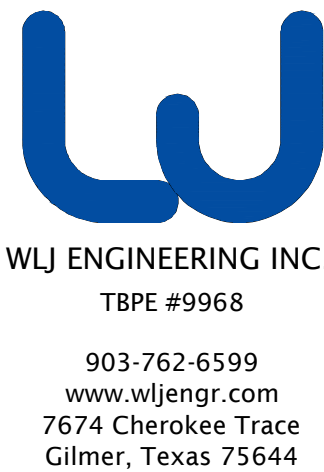
A	AMPERES	G	GROUND	NO	NORMALLY OPEN, NUMBER
AFF	ABOVE FINISHED FLOOR	GA	GAUGE	NTS	NOT TO SCALE
AIC	AMPERES INTERRUPTING CAPACITY	GFI/GFCI	GROUND FAULT INTERRUPTER	OD	OUTSIDE DIAMETER
AL	ALUMINUM	HDG	HOT DIPPED GALVANIZED	P	POLE
AMPS	AMPERES	HP	HORSEPOWER	P&I	PROVIDE AND INSTALL
C	CONDUIT	HZ	HERTZ	PH	PHASE
CB	CIRCUIT BREAKER	ID	INTERNAL DIAMETER	PR	PAIR SHIELDED CABLE
CPB	CONCRETE PULL BOX	IG	ISOLATED GROUND	PVC	POLYVINYL CHLORIDE CONDUIT
CS	COMBINATION STARTER	JB, J	JUNCTION BOX	SS	STAINLESS STEEL
CT	CURRENT TRANSFORMER	KVA	KILOVOLT-AMPERE	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
CTC C/C	CENTER TO CENTER	KW	KILOWATT	UNO	UNLESS NOTED OTHERWISE
EGC	EQUIPMENT GROUNDING CONDUCTOR	LED	LIGHT EMITTING DIODE	UPS	UNINTERRUPTIBLE POWER SUPPLY
EWC	ELECTRIC WATER COOLER	MCB	MAIN CIRCUIT BREAKER	V	VOLT
F&I	FURNISH AND INSTALL	MH	MANHOLE	VFD	VARIABLE FREQUENCY DRIVE
FT	FEET	MLO	MAIN LUGS ONLY	W	WATT
		NC	NORMALLY CLOSED	WP	WEATHERPROOF
		NF	NON-FUSED	XFMR	TRANSFORMER

ELECTRICAL SHEET INDEX	
E0.0	ELECTRICAL LEGENDS AND NOTES
E1.0	PARKING LOT LIGHTING PLAN
E4.0	ELECTRICAL SCHEDULES AND DETAILS

SHOULD THE DRAWINGS OR SPECIFICATIONS CONFLICT WITHIN THEMSELVES, OR WITH EACH OTHER, THE REQUIREMENT WITH THE GREATEST QUANTITY AND/OR THE HIGHEST QUALITY SHALL PREVAIL. THE DECISION OF THE ENGINEER OF RECORD FOR THE SYSTEM BEING INSTALLED SHALL BE FINAL.

ALL WRITTEN NOTES ON THIS SHEET AND ALL OTHER SHEETS CONTAINED IN THESE PLANS SHALL BE READ AND UNDERSTOOD BY THE GENERAL CONTRACTOR AND ALL SUB CONTRACTORS. IT IS THE RESPONSIBILITY OF ALL CONTRACTORS TO COORDINATE WITH EACH OTHER TO DELIVER COMPLETE, FUNCTIONING SYSTEMS AS SHOWN IN THESE PLANS.

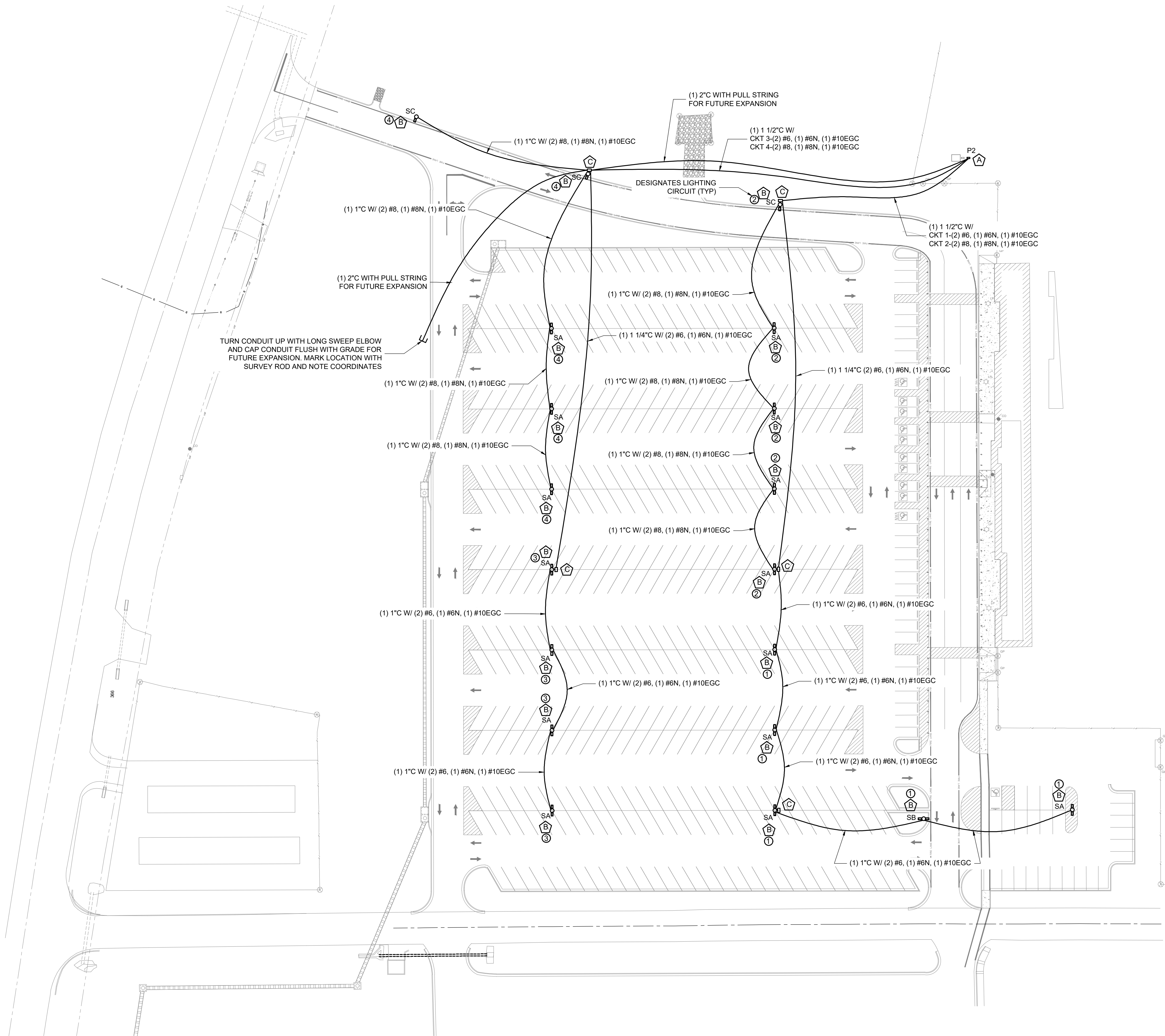
3. THE ELECTRICAL SYSTEM SHOWN ON THE DRAWINGS IS ONLY DIAGRAMMATIC. ALL ITEMS REQUIRED TO MAKE THE SYSTEM COMPLETE AND IN SAFE WORKING ORDER SHALL BE PROVIDED. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES. EQUIPMENT SHOWN ON THE FLOOR PLANS AND ELEVATIONS ILLUSTRATE THE ARRANGEMENT AND SPACE ALLOCATIONS. THE CONTRACTOR SHALL VERIFY THE SPACE REQUIREMENTS FOR EACH SYSTEM COMPONENT USING MANUFACTURER CERTIFIED SHOP DRAWINGS AND MAKE THE NECESSARY ADJUSTMENTS IN EQUIPMENT PLACEMENT AND CONNECTION IN ORDER TO ACCOMMODATE THE EXACT EQUIPMENT TO BE INSTALLED.
2. CONTRACTOR IS RESPONSIBLE FOR FILING/PAYING FOR PERMITS AND CERTIFICATES OF INSPECTION THAT PERTAIN TO WORK DONE BY CONTRACTOR. CONTRACTOR SHALL DELIVER COPIES OF ALL PERMITS AND CERTIFICATES OF INSPECTION TO OWNER/CONSTRUCTION MANAGER.
3. CONTRACTOR SHALL PROVIDE JOB SPECIFIC SUBMITTALS ON ALL SCHEDULED EQUIPMENT AND ALL DEVICES, PANELS AND FIXTURES, INSTALLED UNDER THIS SCOPE OF WORK. SUBMITTALS SHALL INCLUDE BUT NOT BE LIMITED TO PRODUCT DATA, DIMENSIONED DRAWINGS, PERFORMANCE DATA, ELECTRICAL DATA, CERTIFICATIONS.
4. THE ELECTRICAL SYSTEM SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE, AND ANY OTHER AUTHORITIES HAVING JURISDICTION OVER THE WORK.
5. COORDINATE WORK WITH ALL OTHER TRADES.
6. THE ELECTRICAL EQUIPMENT INCLUDING BUT NOT LIMITED TO CONDUIT, WIRE, BOXES AND FITTINGS SHALL BE NEW AND SHALL MEET NEMA AND ANSI STANDARDS AND BEAR THE U.L. LABEL.
7. ALL WORK AND MATERIALS SHALL BE GUARANTEED FREE FROM DEFECTS FOR A MINIMUM PERIOD OF ONE YEAR UNLESS NOTED OTHERWISE. THE WARRANTY PERIOD SHALL BEGIN AT THE DATE OF BENEFICIAL OCCUPANCY OF THE FACILITY.
8. AT THE COMPLETION OF THE JOB, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A COMPLETE SET OF AS-BUILTS, OPERATION AND MAINTENANCE MANUALS FOR ALL EQUIPMENT AND SHALL INSTRUCT OWNER'S MAINTENANCE PERSONNEL ON ALL OPERATING PROCEDURES.
9. ALL HANGERS, RODS, ANGLES, STRUT CHANNELS, ATTACHMENTS, ANCHORS, STRAPS, BOLTS, NUTS, WASHERS AND SCREWS SHALL BE GALVANIZED OR BE OF SIMILAR MATERIAL AS COMPONENT BEING SUPPORTED. ALL-THREAD RODS SHALL HAVE EXCESS LENGTH CUT OFF TO A MAXIMUM LENGTH OF 1" ABOVE/BELOW ATTACHMENT.
10. SEAL ALL CONDUITS AT TERMINATIONS THAT RUN BELOW THE SLAB TO MAKE THEM WATER TIGHT.
11. ALL JUNCTION BOXES SHALL BE ACCESSIBLE FOR FUTURE SERVICE PER NEC.
12. CONDUIT SHALL NOT BE ROUTED EXPOSED IN FINISHED AREAS UNLESS NOTED OTHERWISE.
13. ALL CONDUITS BELOW GRADE SHALL BE PVC WITH LONG SWEEP ELBOWS.
14. ALL BELOW GRADE GROUNDING CONNECTIONS SHALL BE EXOTHERMIC - NO EXCEPTIONS.
15. A SEPARATE INSULATED GROUNDING CONDUCTOR SHALL BE PULLED WITH THE CIRCUIT CONDUCTORS FOR GROUNDING WHETHER OR NOT INDICATED ON THE DRAWINGS. METAL RACEWAY OR CABLE ARMOR OR SHEATH SHALL NOT BE USED AS AN EQUIPMENT GROUNDING CONDUCTOR.
16. CONTRACTORS NEED TO MAKE SITE VISIT PRIOR TO BID. IT IS THE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY ALL CONDITIONS.

[illegible]



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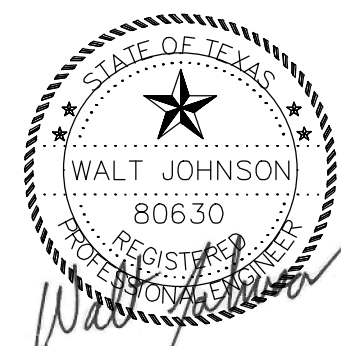
1 PARKING LOT LIGHTING PLAN  
1" = 40'-0"

X TAG NOTES (THIS SHEET ONLY):

- A F&I NEW PANEL AS SCHEDULED. F&I NEW FEEDER FROM EXISTING PAD MOUNT TRANSFORMER TO NEW PANEL. F&I FABRICATED STRUT CHANNEL RACK AND MOUNT PANEL ON RACK. REFERENCE ELECTRICAL DETAILS AND ONE LINE DIAGRAM FOR ADDITIONAL INSTALLATION INSTRUCTIONS.
- B F&I POLE BASE AND LIGHT FIXTURE AS SCHEDULED. REFERENCE ELECTRICAL DETAILS FOR ADDITIONAL INSTALLATION INSTRUCTIONS. COORDINATE INSTALLATION OF FIXTURES AND CONDUITS WITH SITE CONTRACTOR.
- C F&I QUAZITE PG1324BG18, 13"x24"x18" POLYMER CONCRETE PULL BOX WITH T22ANSI LOAD RATING. F&I GASKETED LID WITH SELF ALIGNING STAINLESS STEEL EZ-NUTS. LID SHALL BE MARKED ELECTRICAL.

X LIGHTING CIRCUIT SCHEDULE:

- 1 P2-1,3  
2 P2-5,7  
3 P2-9,11  
4 P2-13,15



09-09-2025



WLJ ENGINEERING INC.  
T8PE #9968  
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www.wljengr.com  
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Gilmer, Texas 75644

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www.johnsonpace.com  
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HALLSVILLE ISD  
BOBCAT STADIUM HOME  
PARKING EXPANSION  
HALLSVILLE, TEXAS

REVISIONS		
NO.	DESCRIPTION	DATE

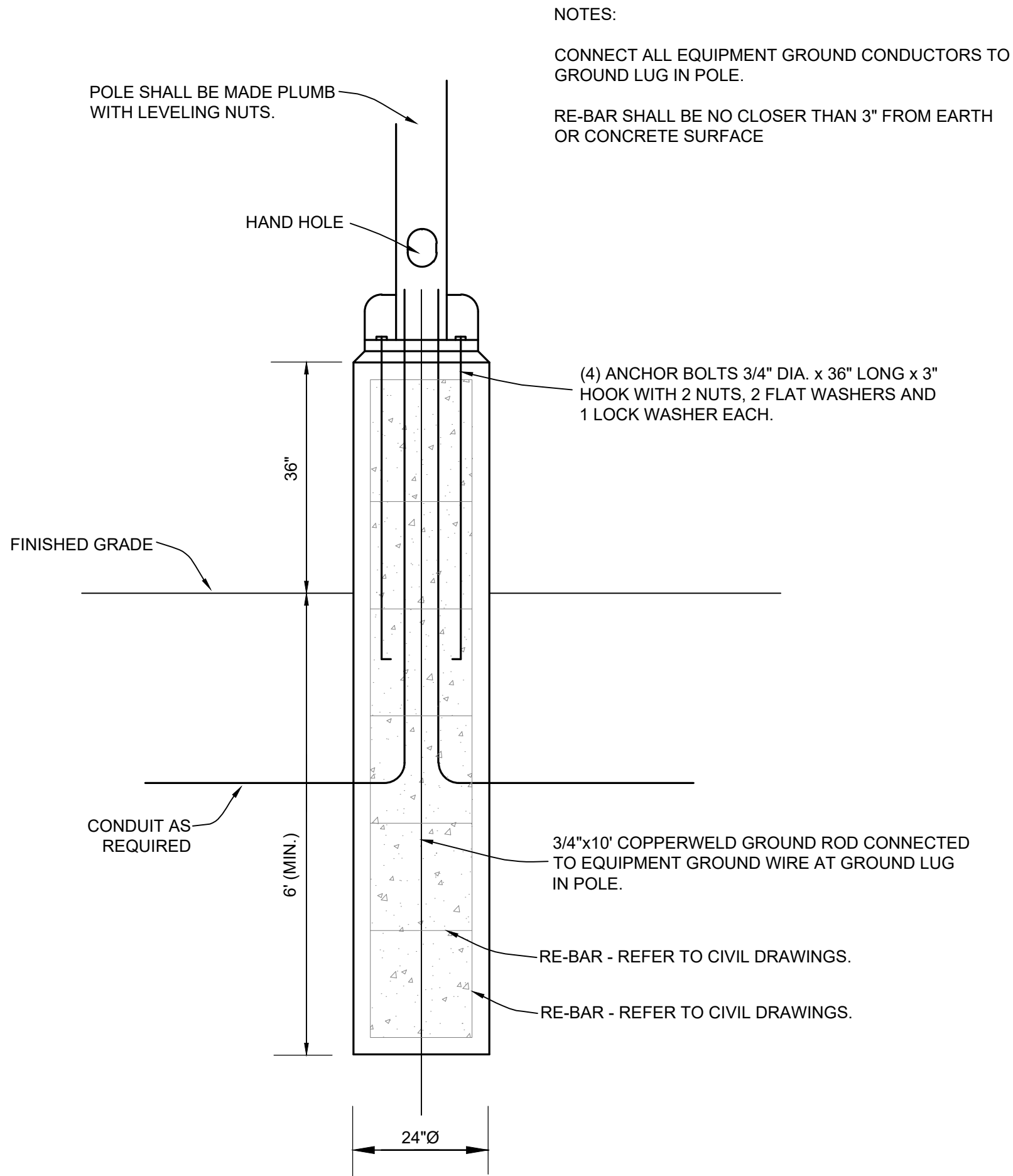
PARKING LOT LIGHTING PLAN  
ISSUED FOR BIDDING

ISSUE DATE: 09/09/2025	2895-512	0
DRAWN BY: JE	CHECKED BY: WLJ	AS NOTED
SHEET NO.:	WLJ	REVISION NO.
E1.0		0



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NOTES:

CONNECT ALL EQUIPMENT GROUND CONDUCTORS TO GROUND LUG IN POLE.

RE-BAR SHALL BE NO CLOSER THAN 3" FROM EARTH OR CONCRETE SURFACE

NOTE:

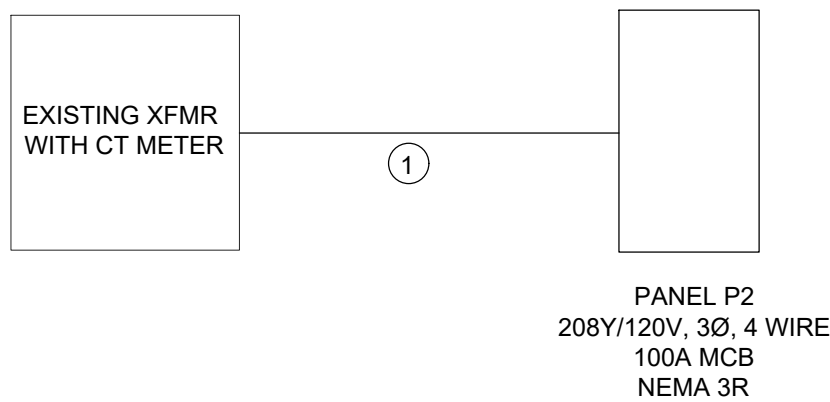
THIS DETAIL IS FOR ILLUSTRATION ONLY. REFER TO CIVIL DRAWINGS FOR CONSTRUCTION DETAILS.

## 1 AREA LIGHTING POLE FOUNDATION DETAIL

SCALE: N.T.S.

(X) FEEDER SCHEDULE:

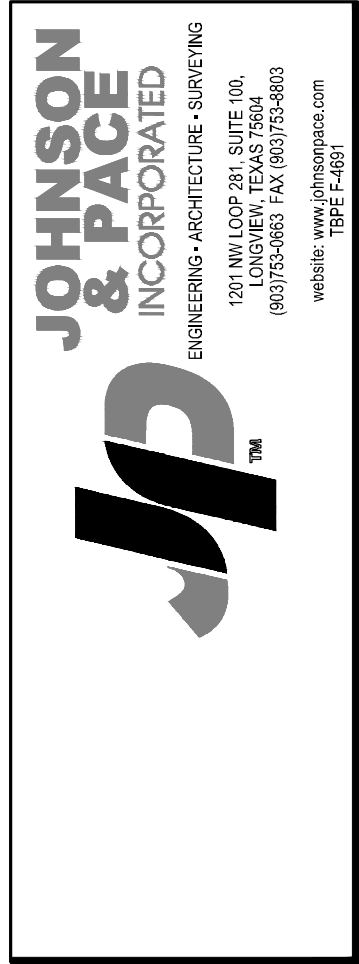
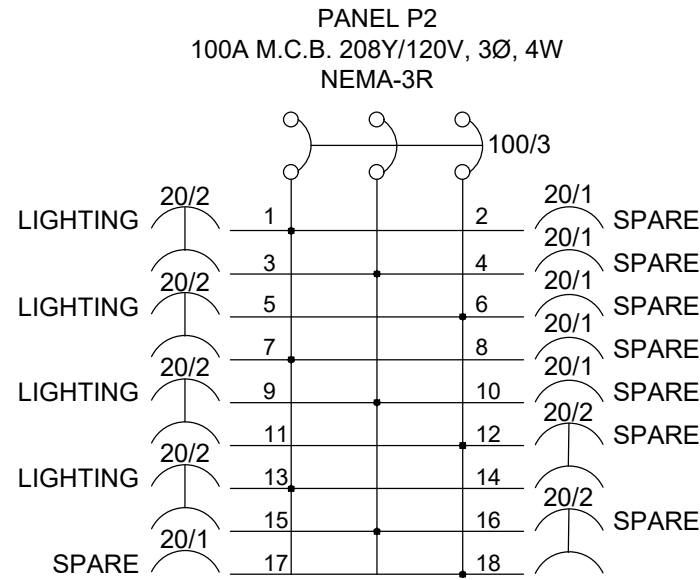
1 1 1/2" C W/ (3) #1, (1) #3N, (1) #8 EGC



## 2 ELECTRICAL ONE LINE DIAGRAM

SCALE: N.T.S.

LIGHT FIXTURE SCHEDULE			
MARK	MANUFACTURER	CATALOG NUMBER	DESCRIPTION
SA	LITHONIA	DSX2 LED P3 40K 70CRI T5W MVOLT PIR DDBXD / DM28AS SNS-30-50-7-AB	D SERIES LED FIXTURE, DARK BRONZE FINISH, 4000° COLOR TEMP, PHOTOCELL, OCCUPANCY SENSOR FOR UNOCCUPIED DIMMING. 30" 5"x5" SQUARE STEEL POLE, DARK BRONZE FINISH
SB	LITHONIA	DSX2 LED P3 40K 70CRI T3M MVOLT PIR DDBXD / DM28AS SNS-30-50-7-AB	D SERIES LED FIXTURE, DARK BRONZE FINISH, 4000° COLOR TEMP, PHOTOCELL, OCCUPANCY SENSOR FOR UNOCCUPIED DIMMING. 30" 5"x5" SQUARE STEEL POLE, DARK BRONZE FINISH
SC	LITHONIA	DSX2 LED P3 40K 70CRI T3M MVOLT PIR DDBXD / DM19AS SNS-30-50-7-AB	D SERIES LED FIXTURE, DARK BRONZE FINISH, 4000° COLOR TEMP, PHOTOCELL, OCCUPANCY SENSOR FOR UNOCCUPIED DIMMING. 30" 5"x5" SQUARE STEEL POLE, DARK BRONZE FINISH

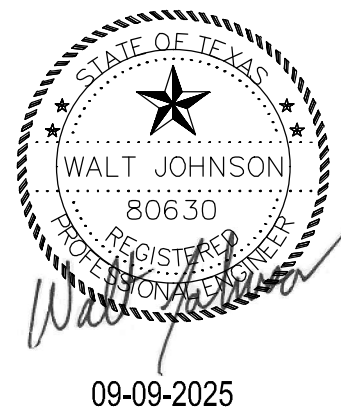


HALLSVILLE ISD  
BOBCAT STADIUM HOME  
PARKING EXPANSION  
HALLSVILLE, TEXAS

REVISIONS		DATE
NO.	DESCRIPTION	DATE

ELECTRICAL SCHEDULES AND DETAILS

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CHECKED BY	W/LJ	W/LJ	
DATE			