

8/2/21
FOR PERMITTING &
CONSTRUCTION
ARCHITECT HAS REVIEWED
THE CONSULTANT'S WORK
AND COORDINATED IT WITH
THE OVERALL PROJECT

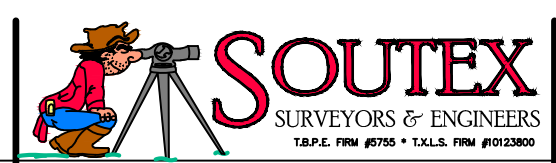
UNITED CHRISTIAN ACADEMY
First Pentecostal Church
Highway 69
Nederland, TX 77627

ISSUED FOR SCHEMATIC DESIGN
DATE: _____
DESIGN DEVELOPMENT
DATE: _____
BIDS & CONSTRUCTION
DATE: 08/02/2021
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

DRAWINGS SHEET TITLE
TOPOGRAPHIC SURVEY
SHEET NUMBER
C1.00
PROJECT NUMBER
20105

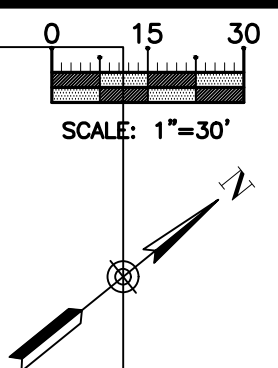
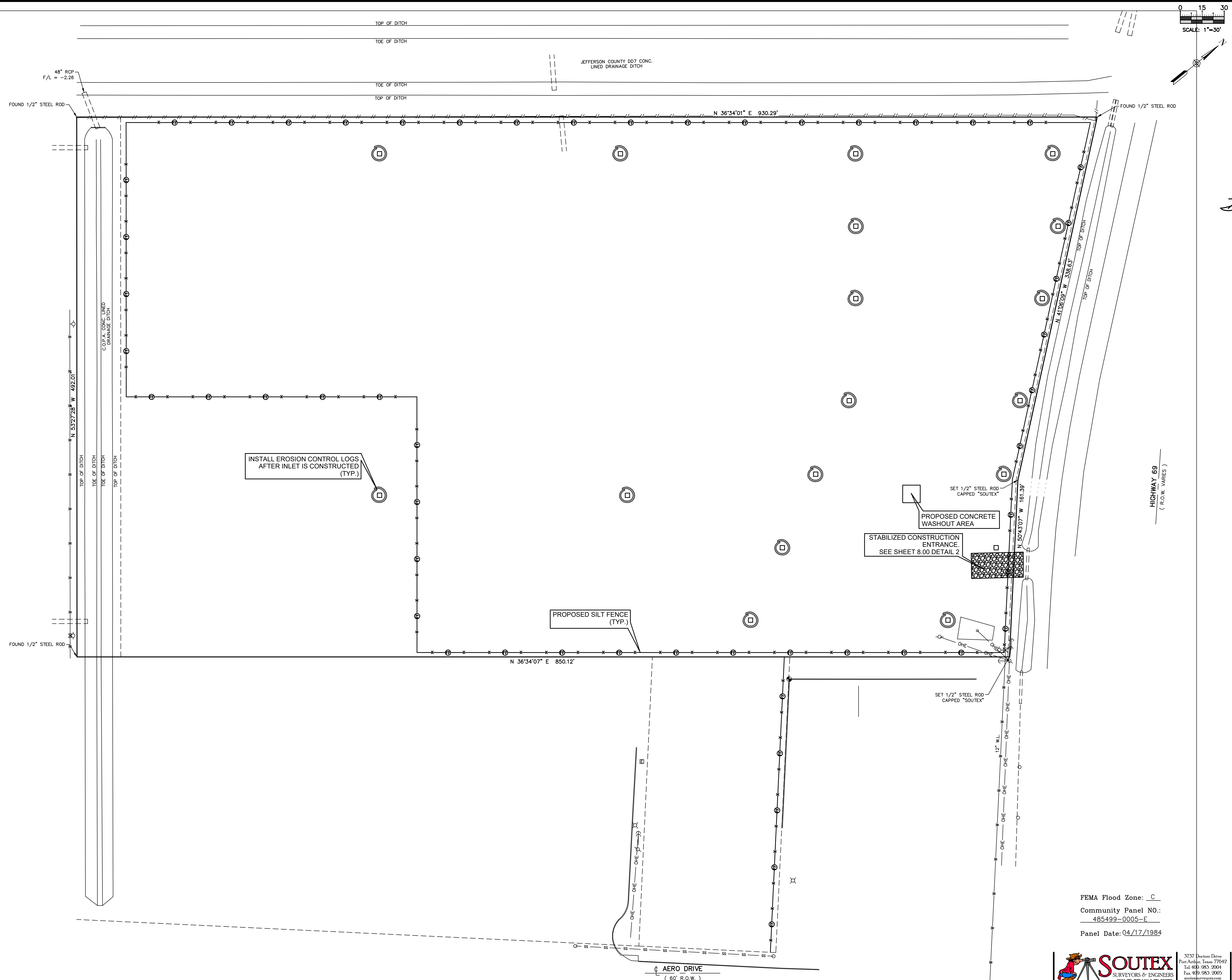
- LEGEND
- = POWER POLE
 - = FIRE HYDRANT
 - = WATER VALVE
 - F/L = FLOW LINE
 - EG = EXISTING GROUND
 - = CHAINLINK FENCE
 - = OVERHEAD ELECTRIC
 - OHE = OHE

FEMA Flood Zone: C
Community Panel NO.:
485499-0005-E
Panel Date: 04/17/1984



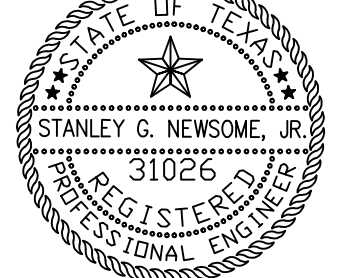
3737 Dutton Drive
Port Arthur, Texas 77642
Tel: 409.983.3004
Fax: 409.983.3000
info@southesurvey.com

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PLOT DATE: 08/20/21 7:53 AM
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Vendor: Conduent (Data M) - SurveyProject_2020_00-0633_McCopy-First Pentecostal Church - LCS (Data) 20-0633_0909.dwg Aug 05, 2021 7:53am Dawn



AAI
Architectural Alliance Incorporated
330 Pine Street, Suite 720
Edison Plaza
Bloomington, Texas 77101
TEL: (409) 866-7196
FAX: (409) 866-1145
J. ROBERT CLARK, A.L.A.
RONALD H. JONES, A.L.A.
www.aaiarch.com

Stanley G. Newsome, Jr.



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First Pentecostal Church
Nederland, TX 77627
Highway 69

ISSUED FOR SCHEMATIC DESIGN	<input type="checkbox"/>
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DESIGN DEVELOPMENT	<input type="checkbox"/>
DATE:	
BIDS & CONSTRUCTION	<input checked="" type="checkbox"/>
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REVISION:	
DATE:	
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DATE:	
REVISION:	
DATE:	

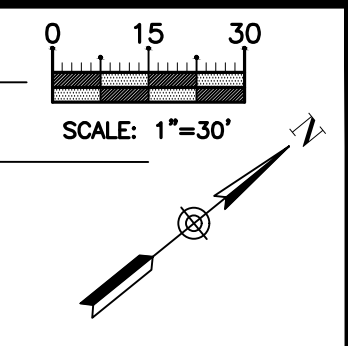
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EROSION CONTROL PLAN

SHEET NUMBER
C1.01
PROJECT NUMBER
20105

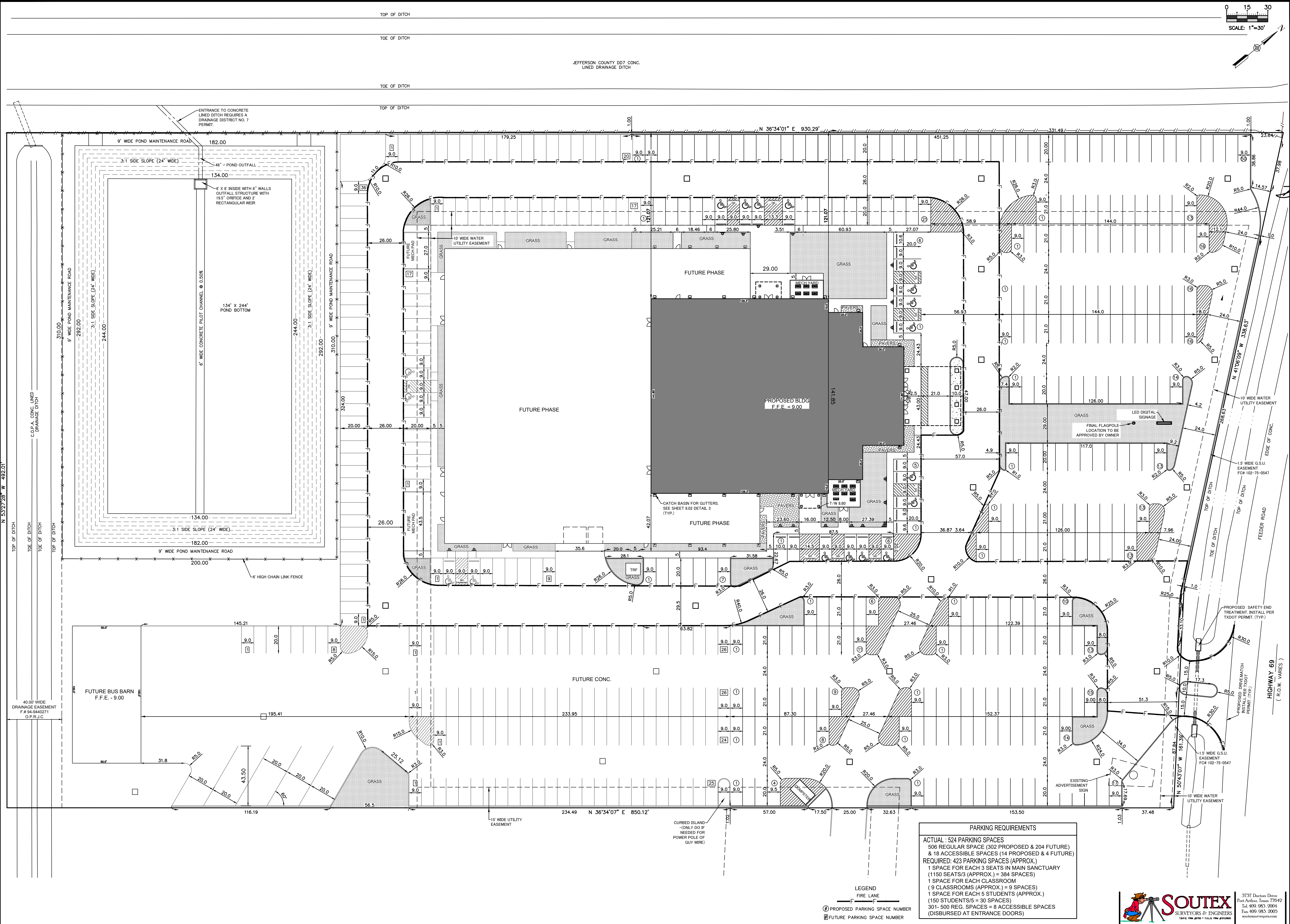
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Community Panel NO.:
485499-0005-E
Panel Date: 04/17/1984



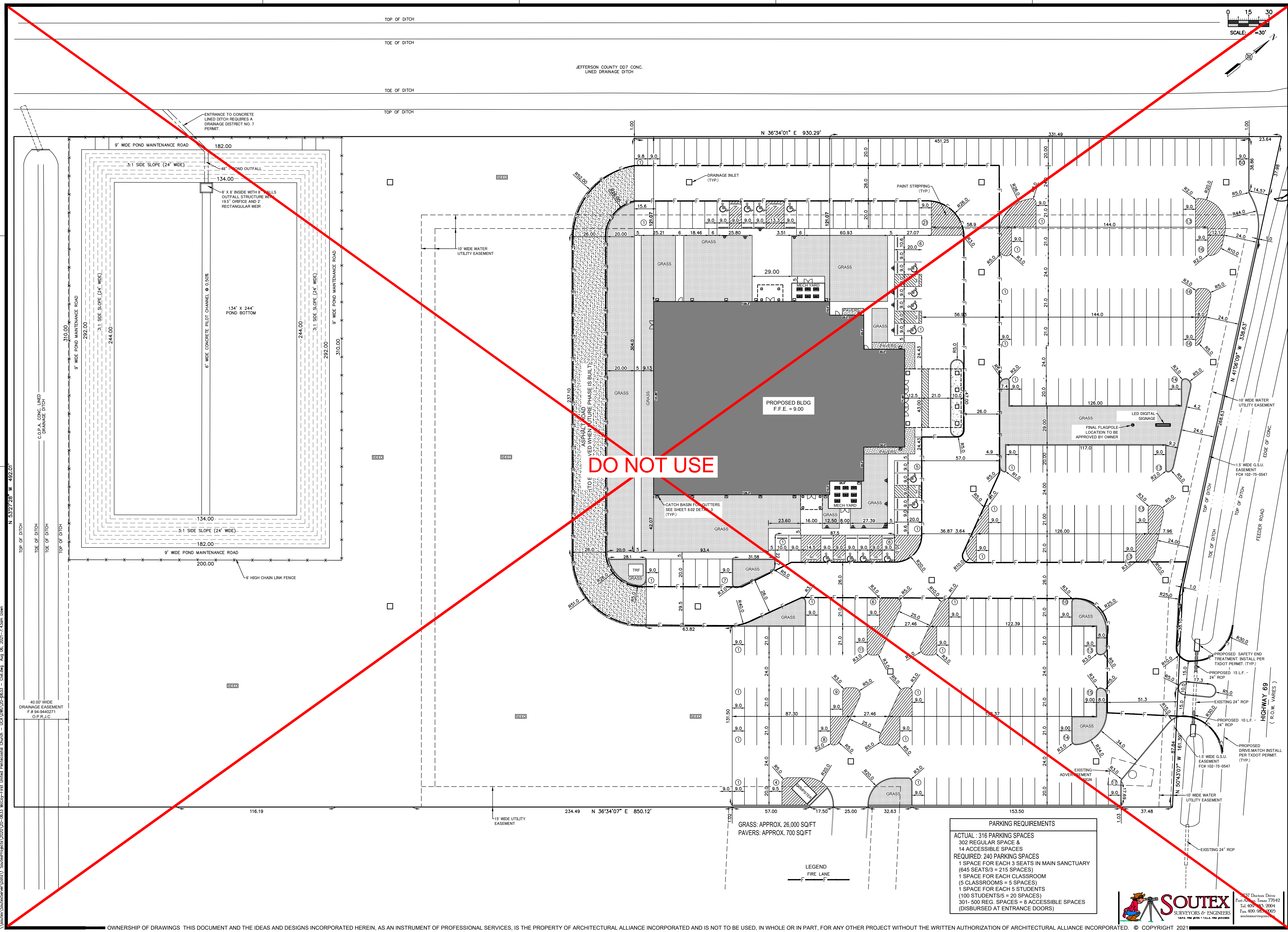
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Vendor: S:\Projects\2021\20-0633_McCoy-First United Pentecostal Church - UCA\DWG\20-0633_McCoy-First United Pentecostal Church.dwg, Aug 08, 2021 7:53am, Dawn



JEFFERSON COUNTY DD7 CONC. LINED DRAINAGE DITCH



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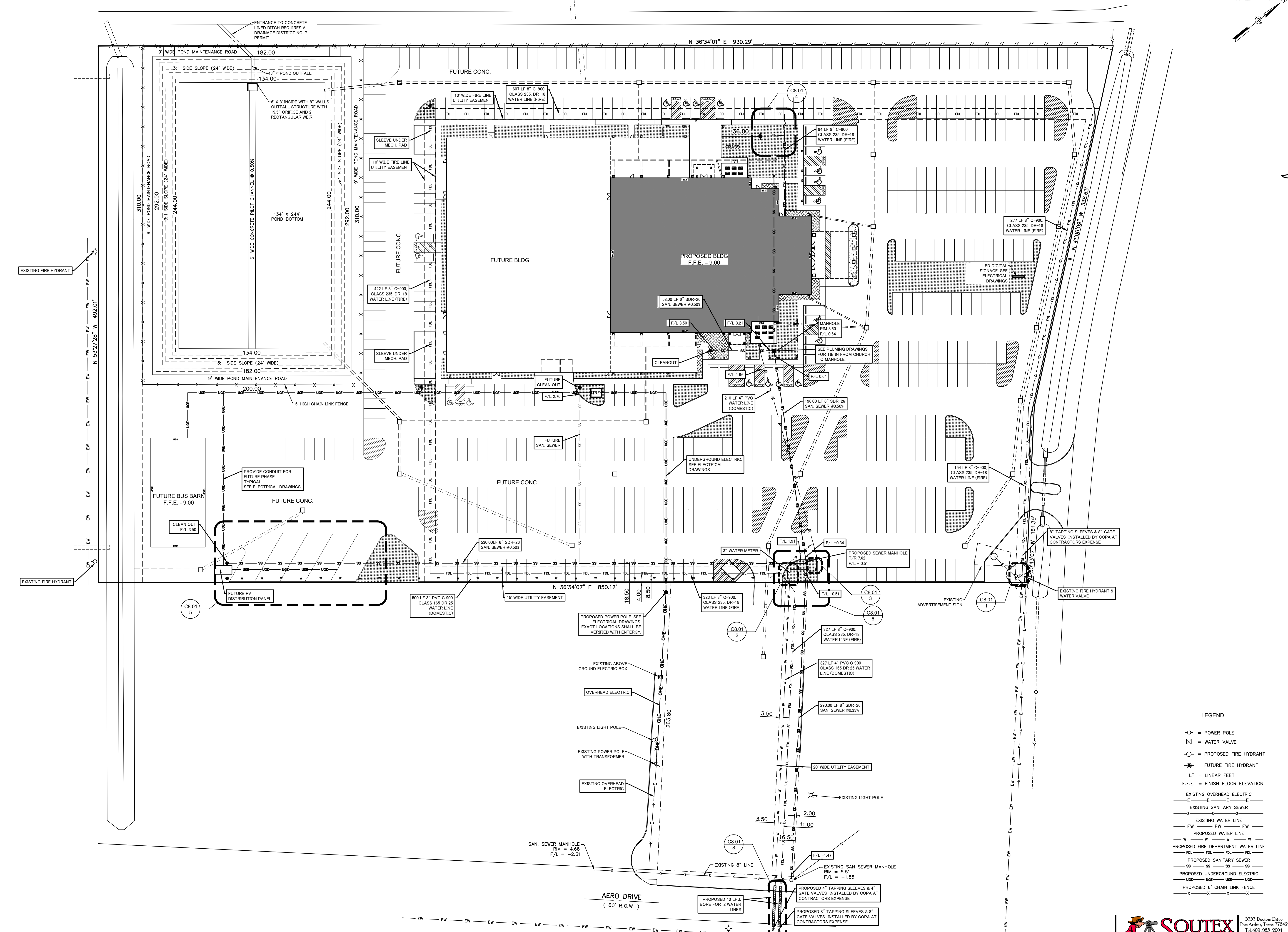
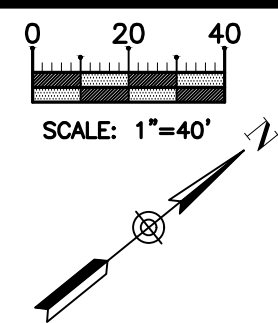
DO NOT USE

PARKING REQUIREMENTS
ACTUAL: 316 PARKING SPACES
302 REGULAR SPACES &
14 ACCESSIBLE SPACES
REQUIRED: 240 PARKING SPACES
1 SPACE FOR EACH 3 SEATS IN MAIN SANCTUARY
(645 SEATS/3 = 215 SPACES)
1 SPACE FOR EACH CLASSROOM
(5 CLASSROOMS = 5 SPACES)
1 SPACE FOR EACH 5 STUDENTS
(100 STUDENTS/5 = 20 SPACES)
301-500 REG. SPACES = 8 ACCESSIBLE SPACES
(DISBURSED AT ENTRANCE DOORS)

LEGEND
FIRE LANE

GRASS: APPROX. 26,000 SQ/FT
PAVERS: APPROX. 700 SQ/FT

SAVED: DAWN
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Architectural Alliance Incorporated
 3577mg Street, Suite 720
 Houston, Texas 77071
 TEL: (281) 986-7796
 FAX: (281) 986-7416
 J. ROBB CLARK, A.I.A.
 RONALD H. JONES, A.I.A.
 www.aalliance.com

Professional Engineer
 STANLEY G. NEWSOME, P.E.
 No. 31026
 State of Texas

8/2/21
 FOR PERMITTING & CONSTRUCTION
 ARCHITECT HAS REVIEWED THE CONSULTANT'S WORK AND COORDINATED IT WITH THE OVERALL PROJECT

Neederland, TX 77627

UNITED CHRISTIAN ACADEMY
 First Pentecostal Church

Highway 69

ISSUED FOR SCHEMATIC DESIGN DATE: X
 DESIGN DEVELOPMENT DATE: X
 BIDS & CONSTRUCTION DATE: 08/02/2021
 REVISION: DATE: _____
 REVISION: DATE: _____
 REVISION: DATE: _____

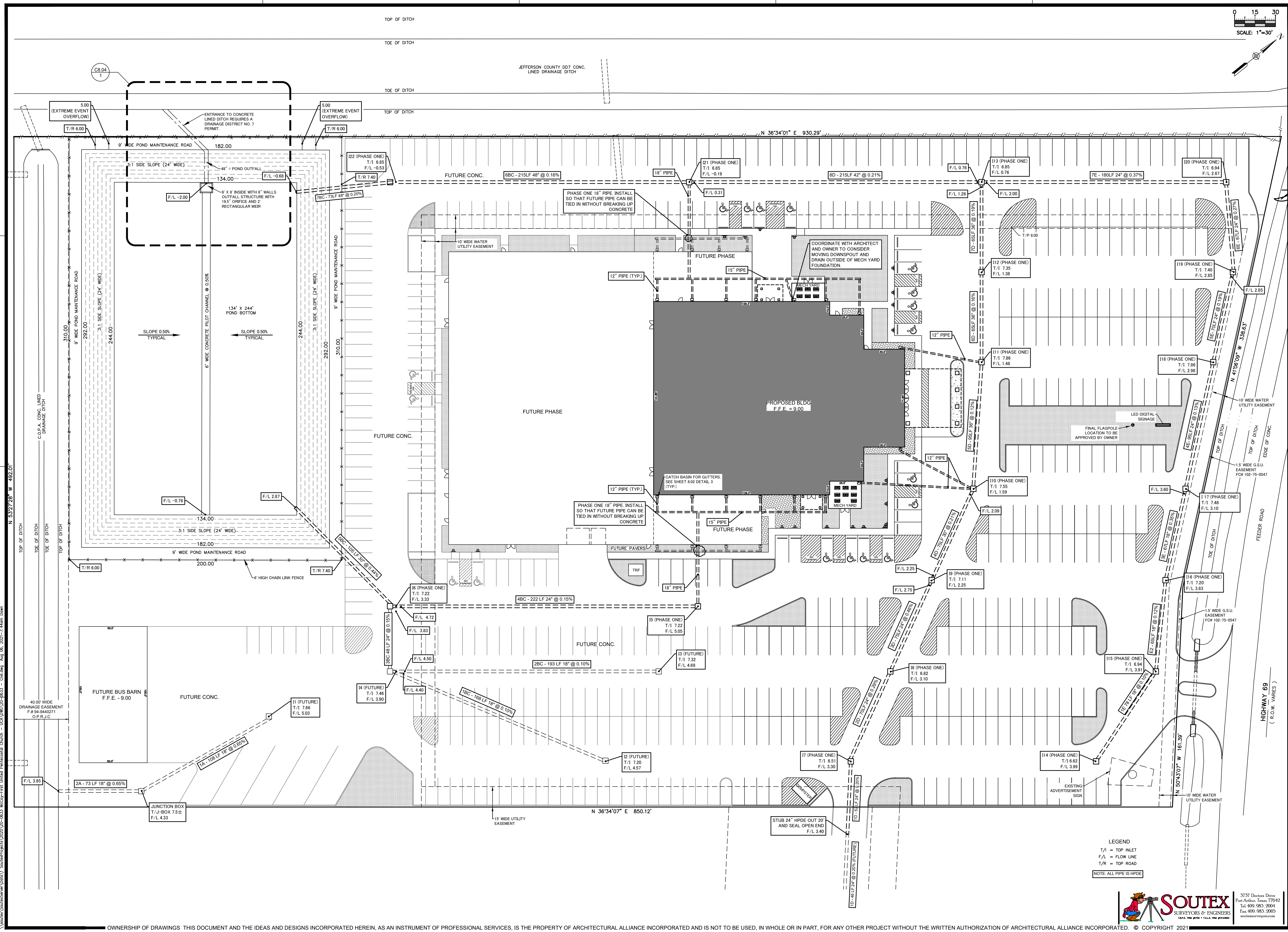
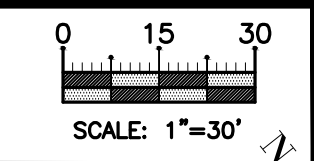
LEGEND

- = POWER POLE
- ⊗ = WATER VALVE
- = PROPOSED FIRE HYDRANT
- LF = LINEAR FEET
- F.F.E. = FINISH FLOOR ELEVATION
- = EXISTING OVERHEAD ELECTRIC
- = EXISTING SANITARY SEWER
- = EXISTING WATER LINE
- = PROPOSED WATER LINE
- = PROPOSED FIRE DEPARTMENT WATER LINE
- = PROPOSED SANITARY SEWER
- = PROPOSED UNDERGROUND ELECTRIC
- = PROPOSED 6\"/>

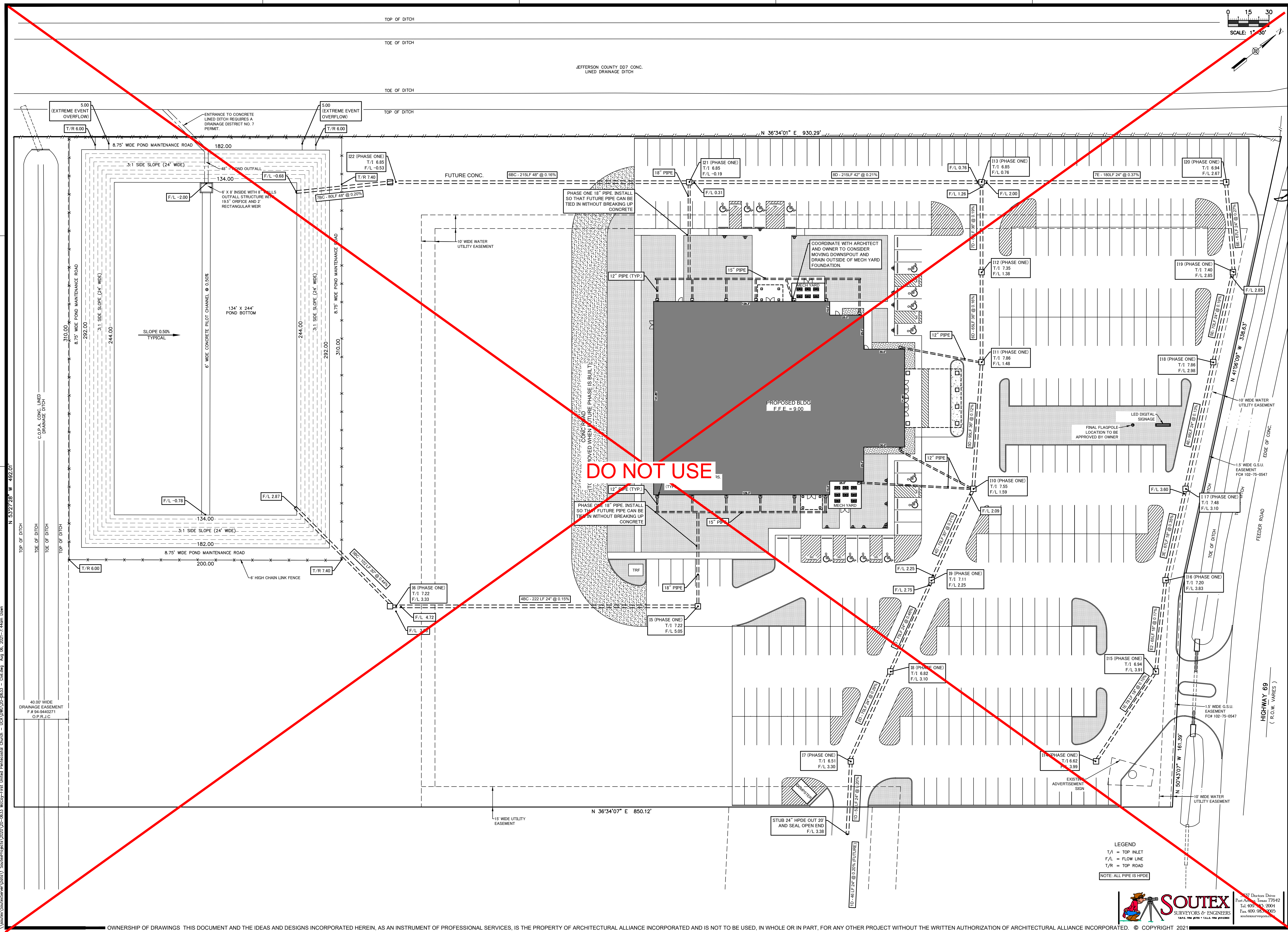
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UTILITY PLAN
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C3.00
 PROJECT NUMBER
 20105

SOUTEX
 SURVEYORS & ENGINEERS
 3737 Decker Drive
 Fort Worth, Texas 77042
 Tel: 409.983.3004
 Fax: 409.983.3000
 soute@soute.com

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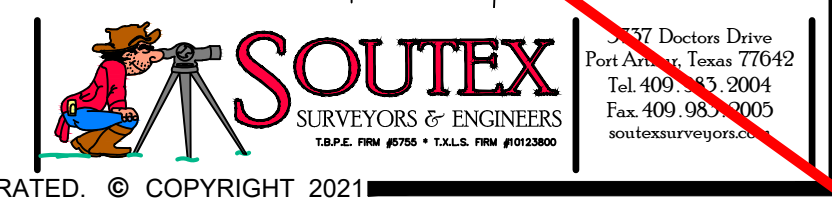
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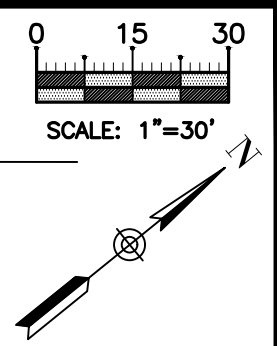
DO NOT USE

LEGEND
T/A = TOP INLET
F/L = FLOW LINE
T/R = TOP ROAD

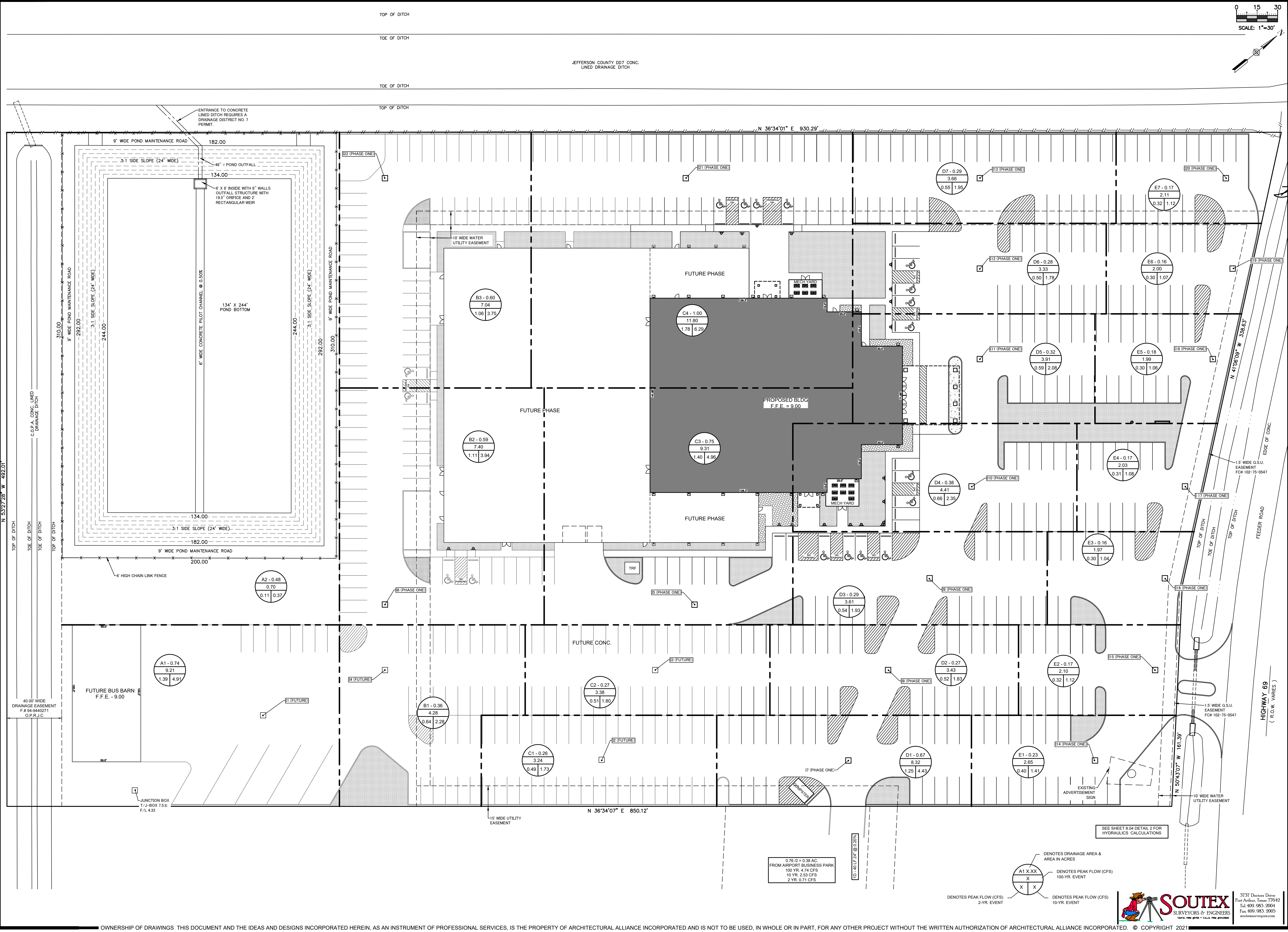
NOTE: ALL PIPE IS HPDE



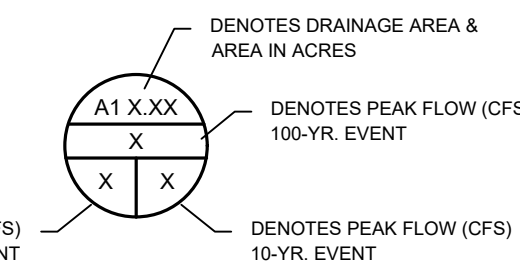
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JEFFERSON COUNTY DD7 CONC. LINED DRAINAGE DITCH

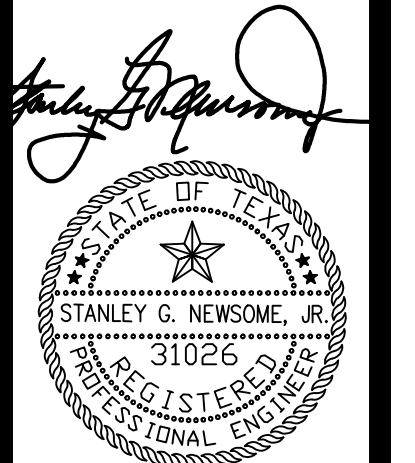


0.76 (2 = 0.38 AC.
FROM AIRPORT BUSINESS PARK
100 YR. 4.74 CFS
10 YR. 2.53 CFS
2 YR. 0.71 CFS



SEE SHEET 8.04 DETAIL 2 FOR HYDRAULICS CALCULATIONS

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SHEET SIZE: ARCH: 04.00 x 36.00 inches
\\soutex\server\user\j\scott\projects\2020\20-0833_McCoy-First Pentecostal Church - UCA\DWG\20-0833 - Cldg.dwg Aug 06, 2021 - 7:45am Dawn



8/2/21
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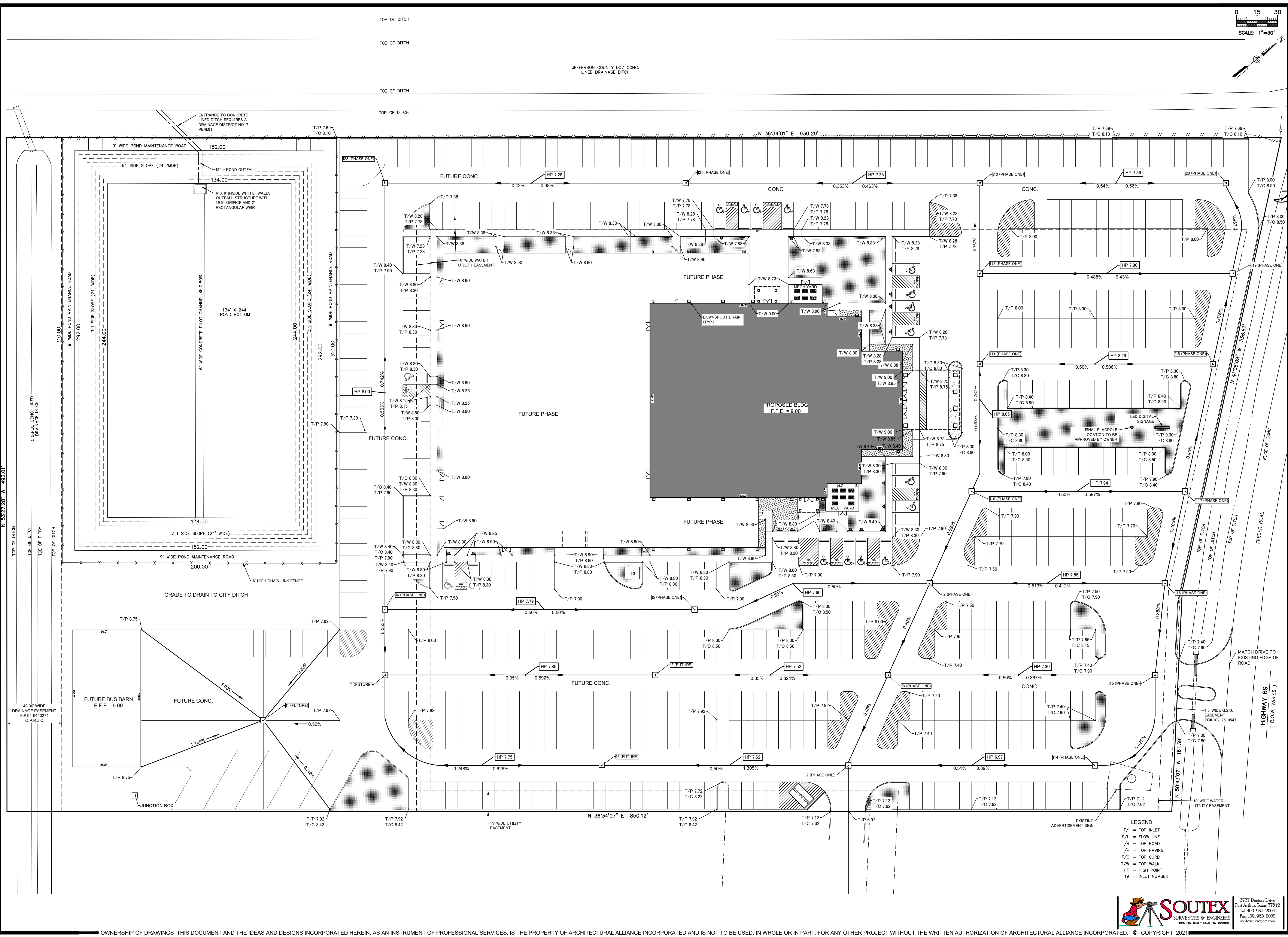
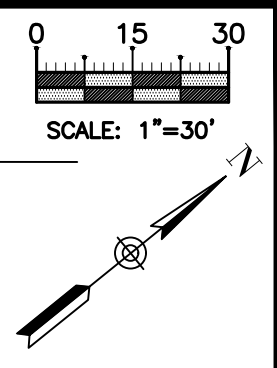
Nederland, TX 77627
Highway 69

UNITED CHRISTIAN ACADEMY
First Pentecostal Church

ISSUED FOR SCHEMATIC DESIGN
DATE: X
DESIGN DEVELOPMENT
DATE: X
BIDS & CONSTRUCTION
DATE: 08/02/2021
REVISION: DATE: _____
REVISION: DATE: _____
REVISION: DATE: _____

DRAWINGS SHEET TITLE
GRADING MASTER PLAN

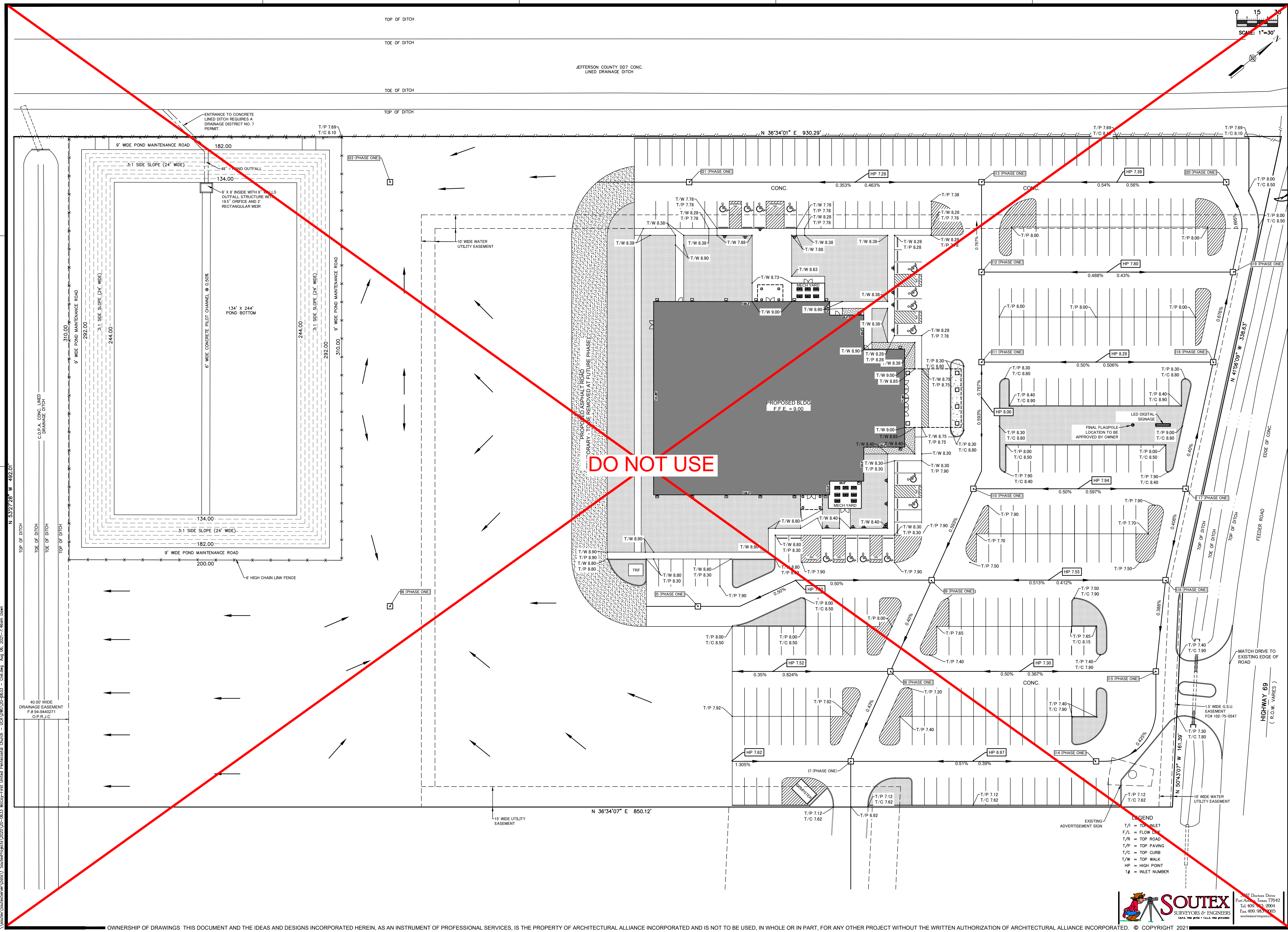
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C6.00
PROJECT NUMBER
20105



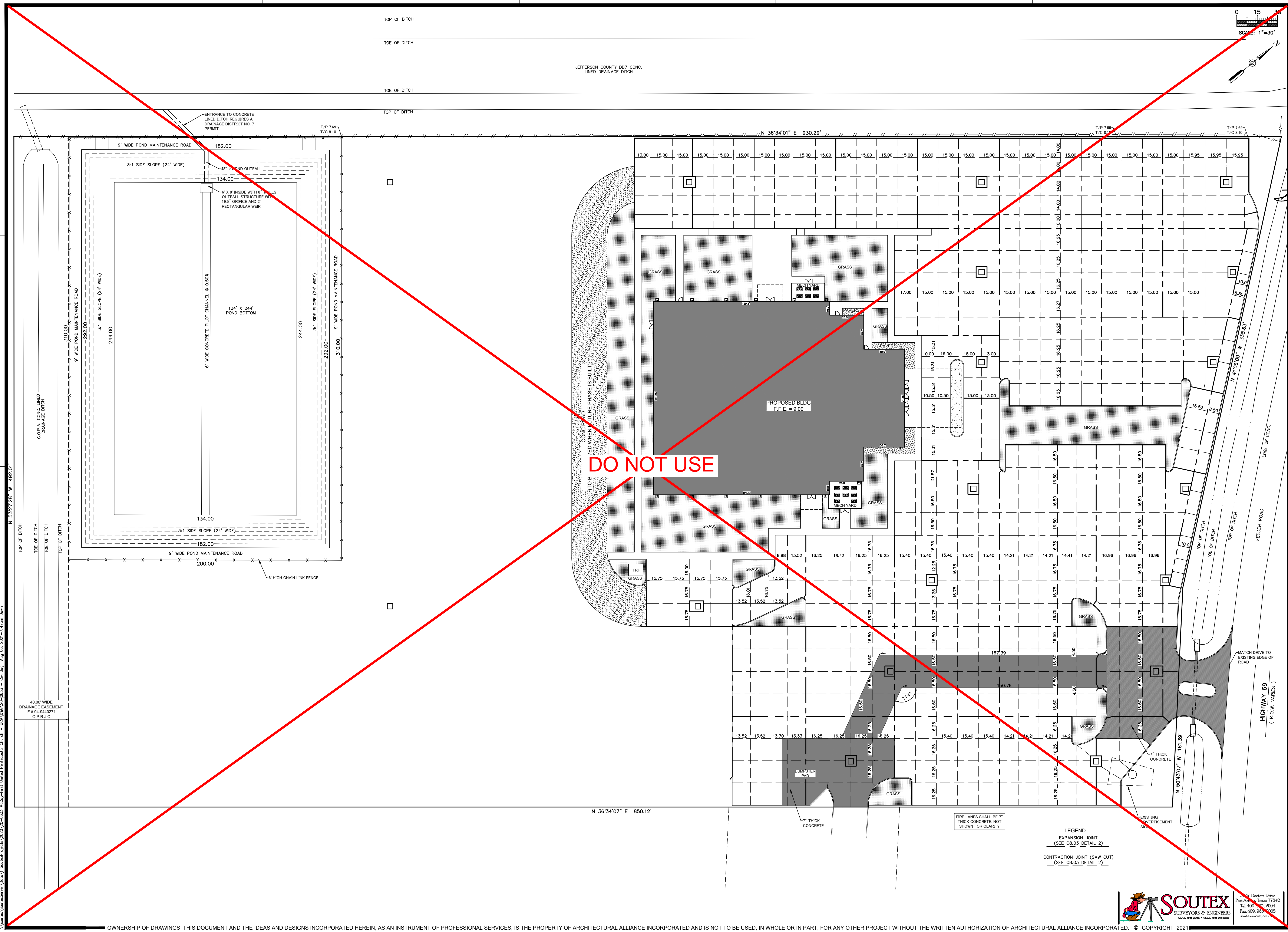
- LEGEND**
- T/A = TOP INLET
 - F/L = FLOW LINE
 - T/R = TOP ROAD
 - T/P = TOP PAVING
 - T/C = TOP CURB
 - T/W = TOP WALK
 - HP = HIGH POINT
 - # = INLET NUMBER

SOUTEX
SURVEYORS & ENGINEERS
1024 West Loop - Suite 1000
Houston, Texas 77027
Tel: 409-983-3004
Fax: 409-983-3003
sou@outexsurveys.com

SAVED DAWN
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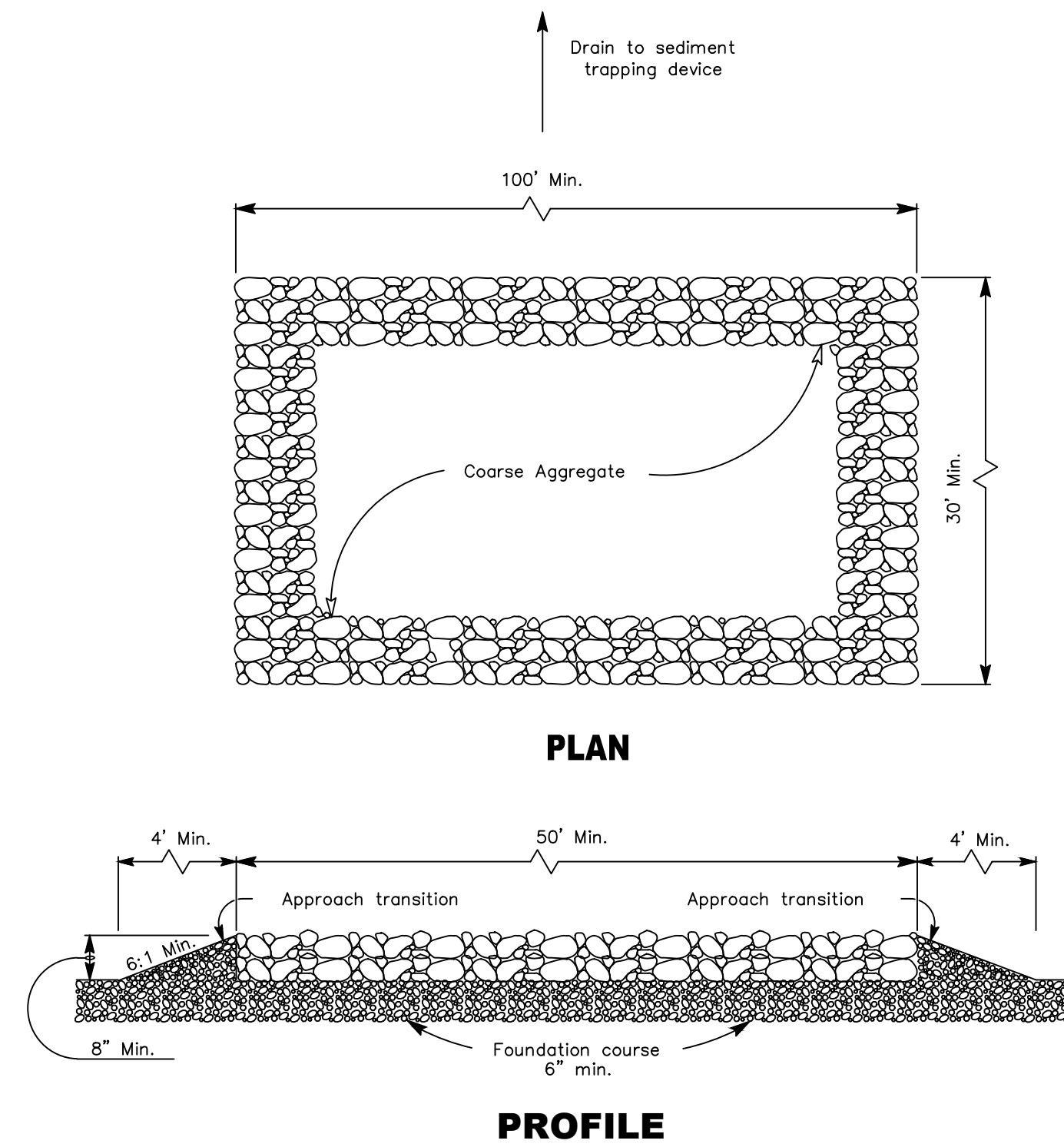


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DO NOT USE

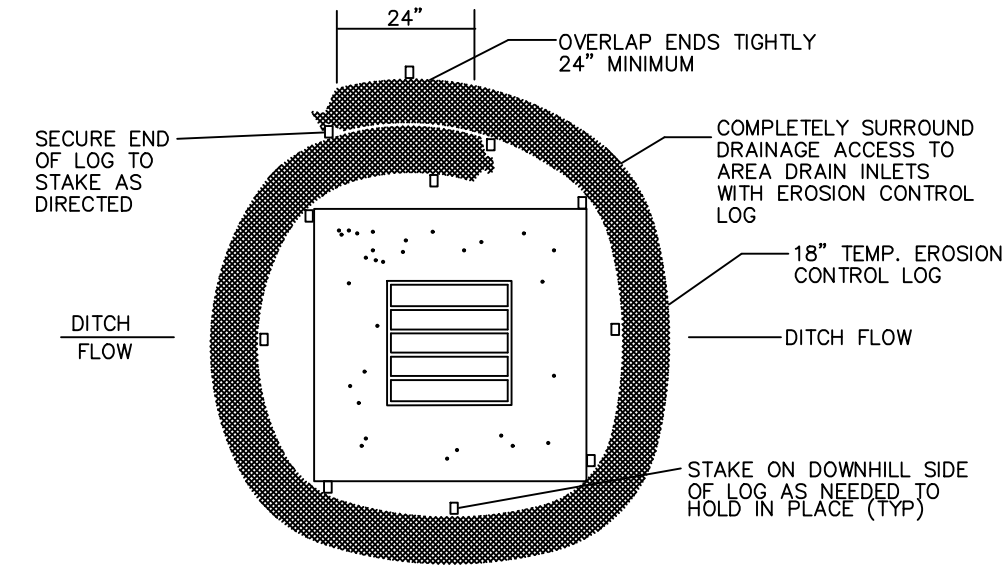
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PLAN

PROFILE

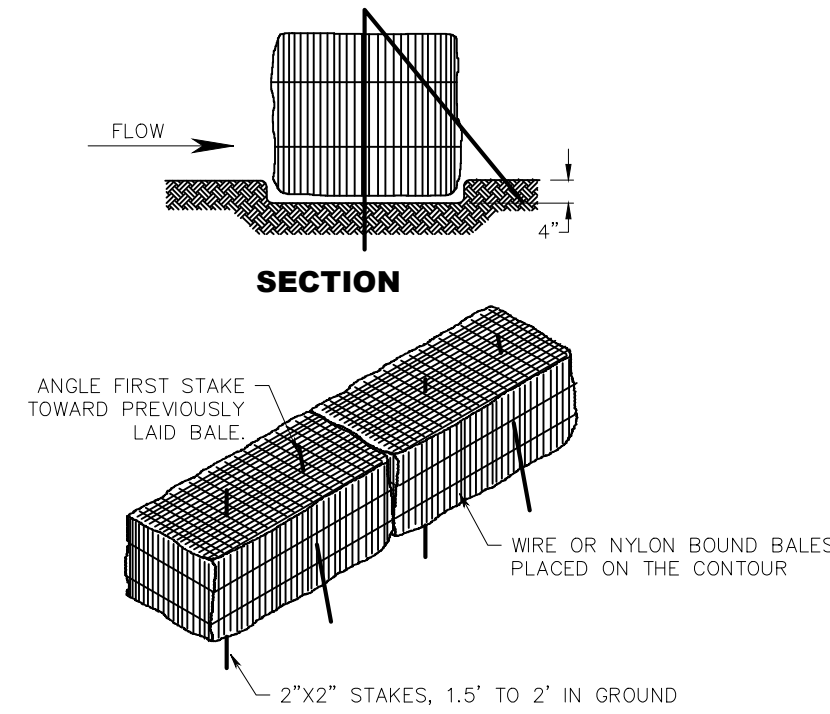
1 CONSTRUCTION EXIT (TYPE 1)
NOT TO SCALE



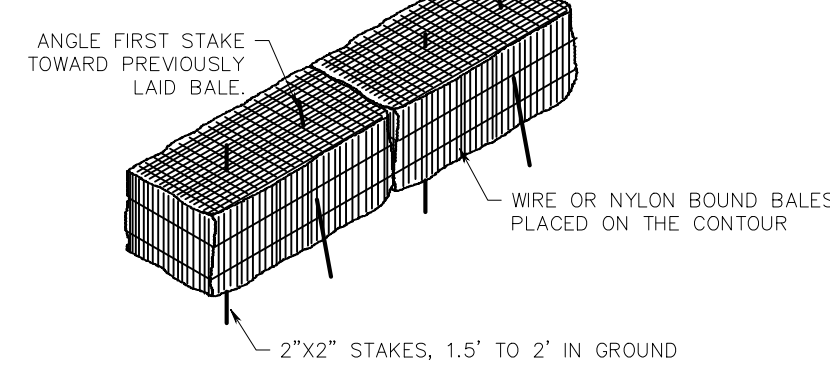
LOGS PLACED AT AREA DRAIN INLETS

EROSION CONTROL LOG NOTES

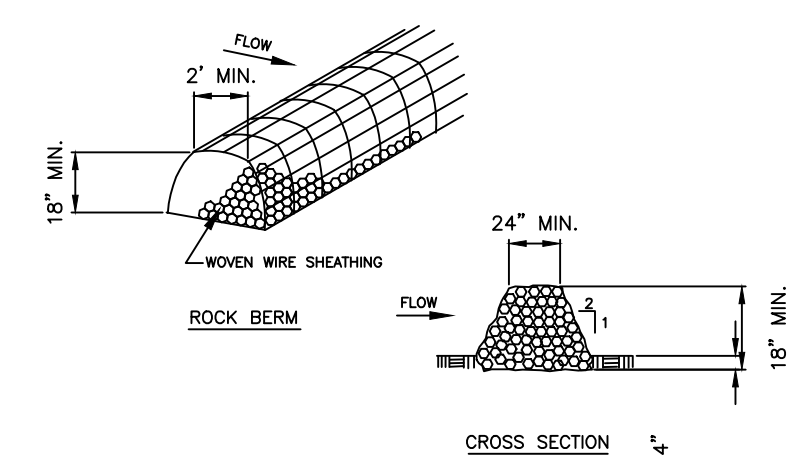
- LENGTHS OF EROSION CONTROL LOGS SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS REQUIRED FOR THE PURPOSE INTENDED. MAXIMUM LENGTH OF LOGS SHALL BE 60' FOR 18" DIAMETER OR 30' FOR 12" DIAMETER LOGS.
- UNLESS OTHERWISE DIRECTED, USE BIODEGRADABLE OR PHOTODEGRADABLE CONTAINMENT MESH ONLY WHERE LOG WILL REMAIN IN PLACE AS PART OF A VEGETATIVE SYSTEM. FOR TEMPORARY INSTALLATIONS, USE RECYCLABLE CONTAINMENT MESH.
- STUFF LOGS WITH SUFFICIENT FILTER MATERIAL TO ACHIEVE DENSITY THAT WILL HOLD SHAPE WITHOUT EXCESSIVE DEFORMATION.
- STAKES SHALL BE 2" X 2" WOOD OR #3 REBAR, 4' LONG, EMBEDDED SUCH THAT 2" PROTRUDES ABOVE LOG, OR AS DIRECTED.
- DO NOT PLACE STAKES THROUGH CONTAINMENT MESH.



SECTION



3 TEMPORARY HAY BALE BARRIER
NOT TO SCALE



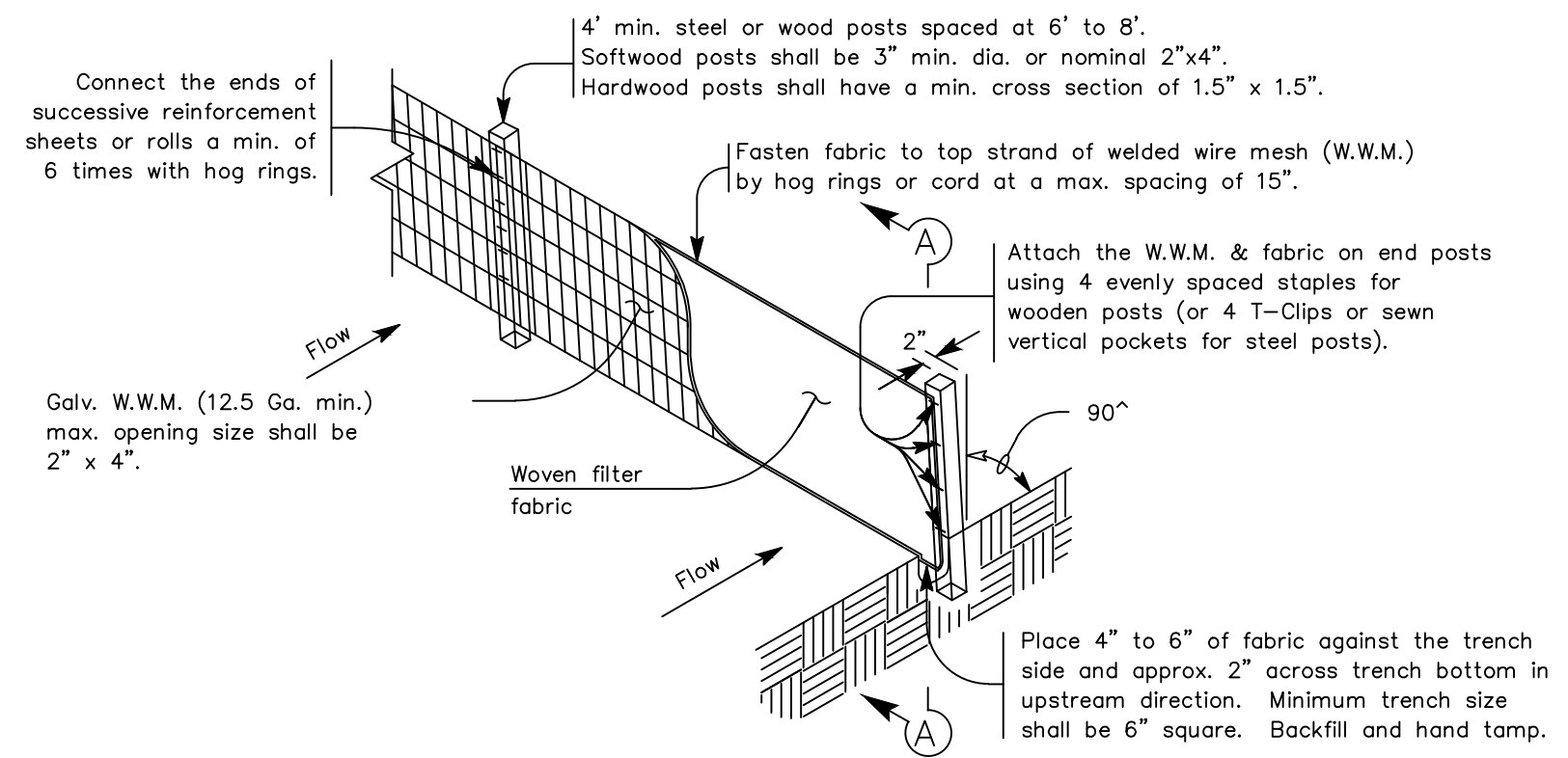
ROCK BERM

INSTALL AS NECESSARY TO PREVENT WASH OUT OF SILT FENCE.

NOTES:

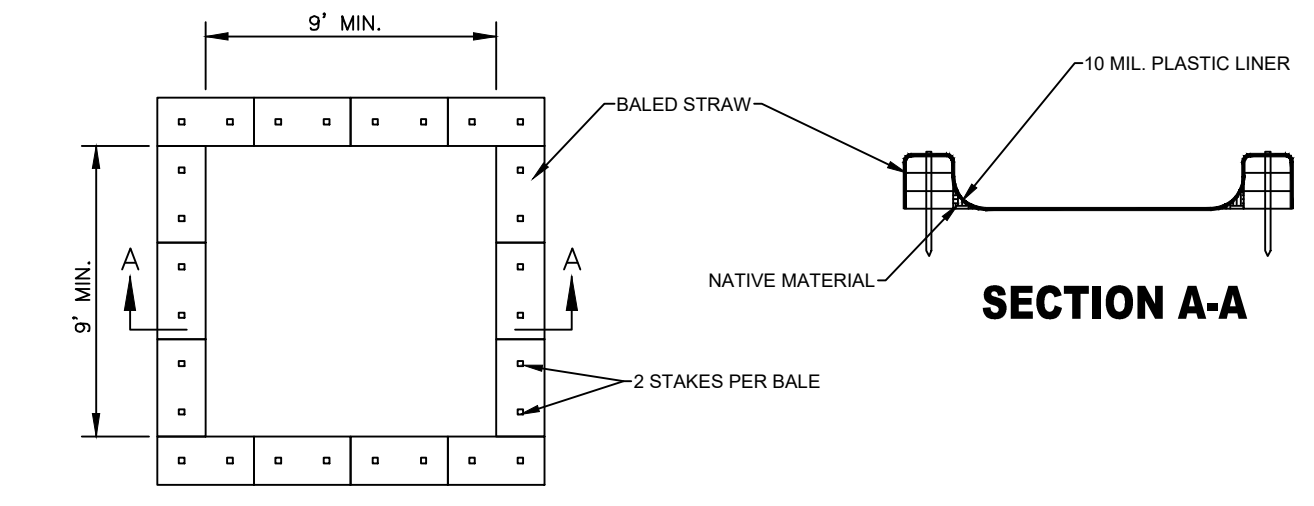
- USE ONLY OPEN GRADED ROCK (4 TO 8") DIAMETER FOR STREAM FLOW CONDITIONS. USE OPEN GRADED ROCK (3 TO 5") DIAMETER FOR OTHER CONDITIONS.
 - THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM (1") OPENING AND MINIMUM WIRE DIAMETER OF (20 GAUGE). ROCK BERMS IN CHANNEL APPLICATIONS SHALL BE ANCHORED FIRMLY INTO THE SUBSTRATE A MINIMUM OF (6") WITH T-POSTS OR WITH (#5 OR #6) REBAR, WITH MAXIMUM SPACING APART OF (48") ON CENTER.
 - THE ROCK BERM SHALL BE INSPECTED WEEKLY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE-WOVEN SHEATHING SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED, DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
 - WHEN SILT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR (6"), WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF ON AN APPROVED SITE AND IN A MANNER THAT WILL NOT CREATE A SILTATION PROBLEM.
 - DAILY INSPECTION SHALL BE MADE ON SEVERE-SERVICE ROCK BERMS; SILT SHALL BE REMOVED WHEN ACCUMULATION REACHES (6").
 - WHEN THE SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.
- CONCRETE WASHOUT AREA
- MINIMUM AREA IS 10' X 10' WITH 2' DEPTH.
 - PIT TO BE LINED WITH 10 MIL PLASTIC SHEETING.
 - PROVIDE A SIGN NOTING THE CONCRETE WASHOUT AREA.
 - THE WASHOUT AREA TO BE CLEANED OUT WHEN 75% OF THE CAPACITY IS REACHED.
 - WHEN AREA IS NO LONGER NEEDED THE MATERIAL IS TO BE REMOVED AND HAULED TO A CONCRETE CRUSHING FACILITY OR PERMITTED LANDFILL.

2 TEMPORARY EROSION CONTROL LOGS
NOT TO SCALE



SECTION A-A

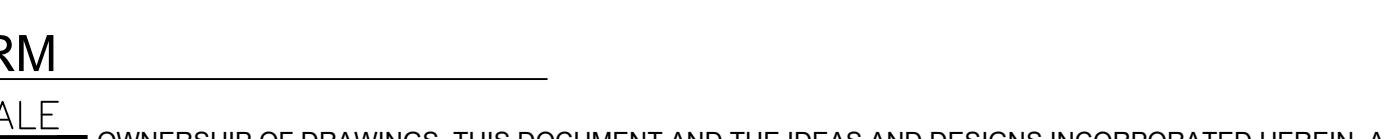
- NOTES:
- CONTRACTOR TO TAKE EXTRA CARE TO KEEP HWY. 69 ACCESS ROAD CLEAN AND FREE OF DEBRIS. ANY MUD, DEBRIS, ETC. ON THESE ROADS CAUSED BY THIS CONSTRUCTION IS TO BE CLEANED UP AT ONCE.
 - EROSION CONTROL MEASURES TO BE MAINTAINED UNTIL VEGETATION ESTABLISHED @ 75% COVERAGE.



BALE CONFIGURATION PLAN

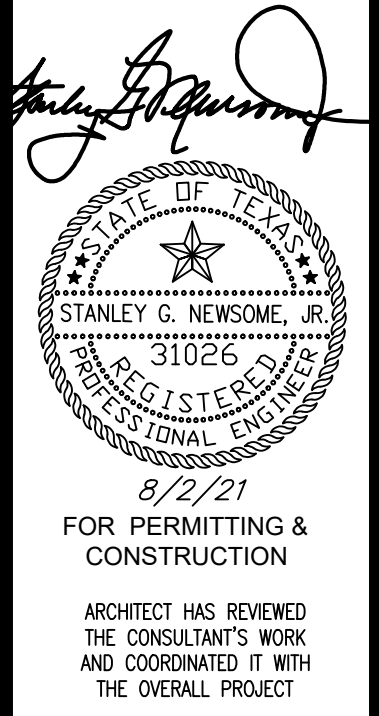
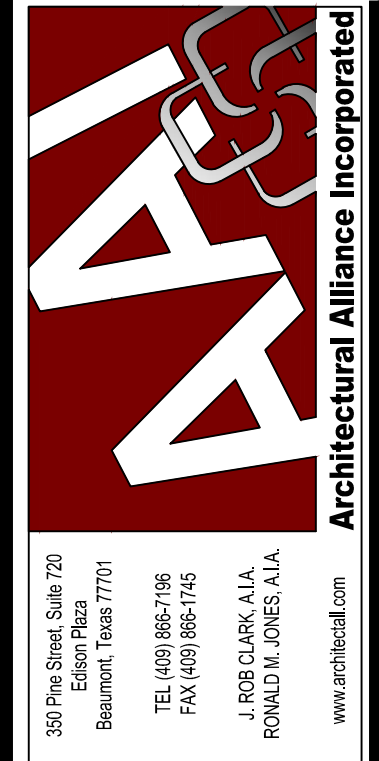
- CONCRETE WASHOUT NOTE:
- ACTUAL LAYOUT TO BE DETERMINED IN THE FIELD. CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT ON SITE.
 - STAKES SHALL BE A MINIMUM OF 48" IN LENGTH. STAKES SHALL BE EITHER 2" X 2" WOOD, 2.5 DIA. SCH. 40 STEEL POSTS OR STANDARD STEEL "I" OR "U" POSTS.
 - SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE WASHOUT AREA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT AREA TO OPERATORS OF CONCRETE TRUCKS.
 - TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF FOUR (4) INCHES.
 - WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT AREA IS 75% FULL.

6 CONCRETE WASHOUT DETAIL
NOT TO SCALE



4 ROCK BERM
NOT TO SCALE

5 TEMPORARY SEDIMENT CONTROL FENCE
NOT TO SCALE



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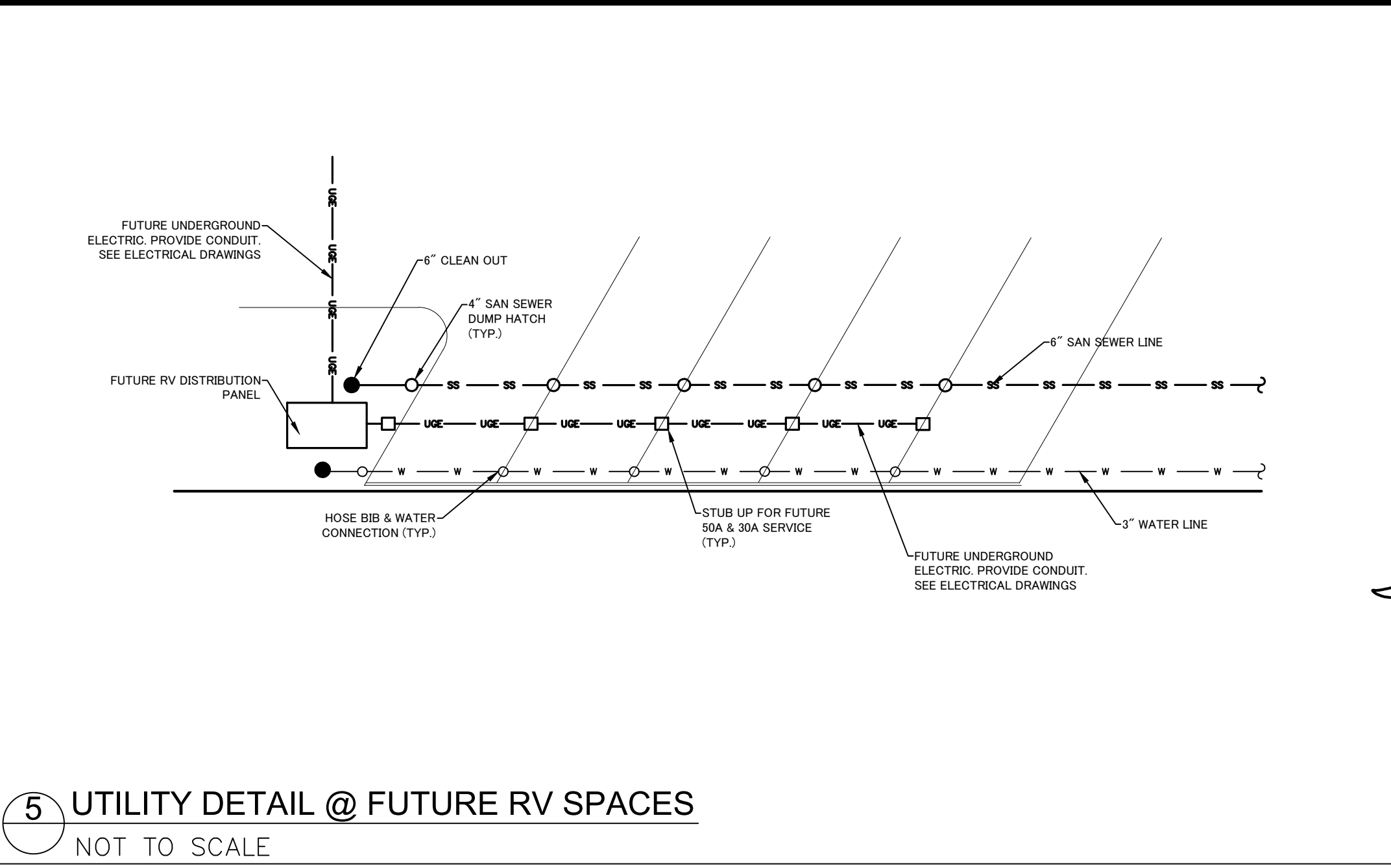
UNITED CHRISTIAN ACADEMY
First Pentecostal Church
Highway 69
Nederland, TX 77627

ISSUED FOR SCHEMATIC DESIGN	<input type="checkbox"/>
DATE:	X
DESIGN DEVELOPMENT	<input type="checkbox"/>
DATE:	X
BIDS & CONSTRUCTION	<input checked="" type="checkbox"/>
DATE:	08/02/2021
REVISION:	DATE:
REVISION:	DATE:
REVISION:	DATE:

DRAWINGS SHEET TITLE	DETAILS EROSION CONTROL
SHEET NUMBER	C8.00
PROJECT NUMBER	20105



SAVED: DAWN
PLOT DATE: 8/8/2021 7:47 AM
SHEET SIZE: ARCH-D (24.00 x 36.00 inches)
\\soutex\server\dwg\2020\20-0833_McCoy-Frst United Pentecostal Church - UCA\DWG\20-0833 - Calkins Aug 06, 2021-7:47am.dwg



GENERAL NOTES

- CONTRACTOR SHALL MAKE ALL NECESSARY PROVISIONS TO PROTECT THE PUBLIC FROM INCONVENIENCES AND DANGERS CAUSED BY THIS CONSTRUCTION. THIS INCLUDES BUT IS NOT LIMITED TO BARRICADES, FENCING LIGHTING, DANGER SIGNALS, GUARDS ETC., BARRICADES, SIGNS, AND HANDLING OF TRAFFIC SHALL BE IN AGREEMENT WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION.
- CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN IF REQUIRED BY TxDOT OR LOCAL MUNICIPALITY.
- CONTRACTOR SHALL HAVE ALL UTILITIES LOCATED AND MARKED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL TAKE PROVISIONS NECESSARY TO PROTECT ALL UTILITIES, SERVICES, AND APPURTENANCES AND SHALL INFORM THE ENGINEER AND UTILITY OWNER OF CROSSINGS 48 HOURS PRIOR TO CONSTRUCTION OF THE CROSSING.
- CONTRACTOR SHALL ATTEMPT TO KEEP STREETS AND DRAINAGE OPEN. DRAINAGE OF THE SITE SHALL BE MAINTAINED.
- CONTRACTOR SHALL PROVIDE SHEETING AND BRACING FOR THE PROTECTION OF THE WORK AND THE EMPLOYEES. TRENCHES SHALL CONFORM TO THE APPLICABLE OSHA STANDARDS.
- CONTRACTOR SHALL HANDLE AND STORE MATERIALS ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR ALL ADA COMPLIANCE FOR PROJECT AND SHALL INFORM ENGINEER OF ANY CONFLICTS WITH ADA RULES AND REGULATIONS AND PLAN SET.
- CONTRACTOR IS RESPONSIBLE FOR STORM WATER PERMIT FROM CITY AND FILING NOTICE OF INTENT WITH TCEQ.
- CONTRACTOR IS RESPONSIBLE PROVIDING, FOR ADHERENCE OF, AND COMPLIANCE WITH STORM WATER POLLUTION PLAN (PER TCEQ), INCLUDING BUT NOT LIMITED TO INSTALLATION AND MAINTENANCE OF CONSTRUCTION ENTRANCES, SILT FENCE, HAY BALES, INLET PROJECTION, ETC. AND SHALL KEEP ALL ROADS FREE OF MUD AND DEBRIS THROUGHOUT THE PROJECT.
- SIDEWALKS, RAMPS, AND DRIVEWAYS CROSSING SHALL BE ADA COMPLIANT. REFER TO TxDOT PED-12A DETAILS FOR RAMP AND DRIVEWAY CROSSING.

SANITARY SEWER SYSTEM

- SANITARY SEWER SYSTEM SHALL CONFORM WITH THE CITY OF PORT ARTHUR WATER UTILITIES DETAILS & SPECIFICATIONS.
- PIPE BEDDING SHALL CONFORM WITH CITY OF PORT ARTHUR WATER UTILITIES DETAILS.
- SEWER CONNECTIONS & PROPOSED MANHOLES ON EXISTING LINES BY CONTRACTOR. COORDINATE WITH CITY OF PORT ARTHUR PRIOR TO MAKING CONNECTION OR SETTING MANHOLE. IF CONNECTION OR PROPOSED MANHOLE IS WITHIN EXISTING PAVEMENT, SAW OUT AND RETURN TO EXISTING CONDITION.
- GRAVITY SANITARY SEWER PIPE SHALL BE PVC CONFORMING TO ASTM-3034 SPECIFICATIONS PIPE SHALL HAVE A MINIMUM OF SDR 26.
- ALL SANITARY SEWER LINES CROSSING BENEATH THE PAVEMENT SHALL BE BACKFILLED WITH A CEMENT STABILIZED MATERIAL FROM THE BOTTOM OF THE TRENCH TO THE BOTTOM OF THE PAVEMENT GRADE. THE CEMENT STABILIZED MATERIAL SHALL CONTAIN TWO (2) BAGS OF STANDARD PORTLAND CEMENT PER CUBIC YARD OF MATERIAL AS PLACED.
- ALL PIPE INSTALLATION SHALL CONFORM TO ASTM D 2321 STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS.
- SANITARY SEWER SYSTEM TO BE TESTED PER TCEQ STANDARDS. COORDINATE WITH ENGINEER AND CITY OF PORT ARTHUR.

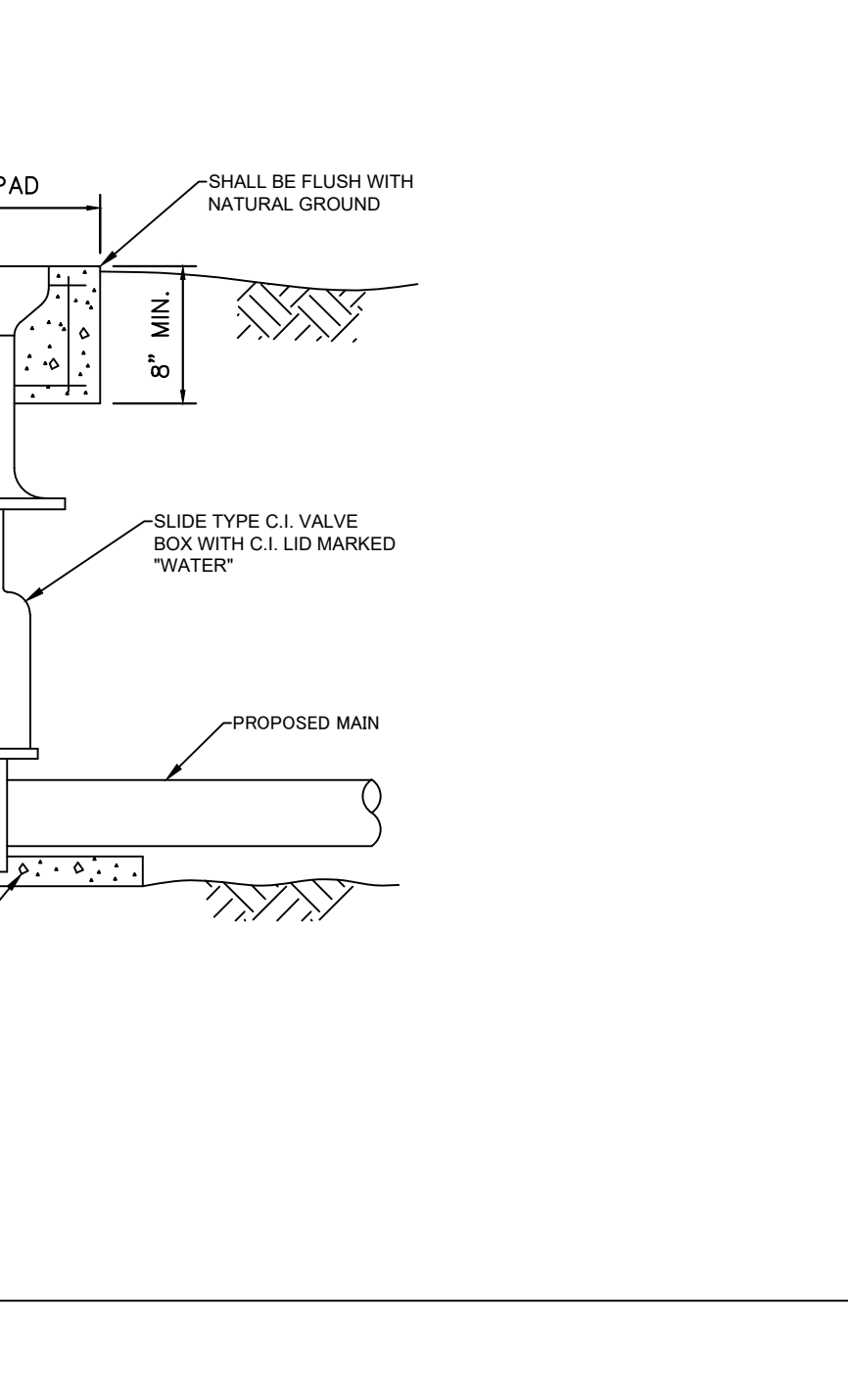
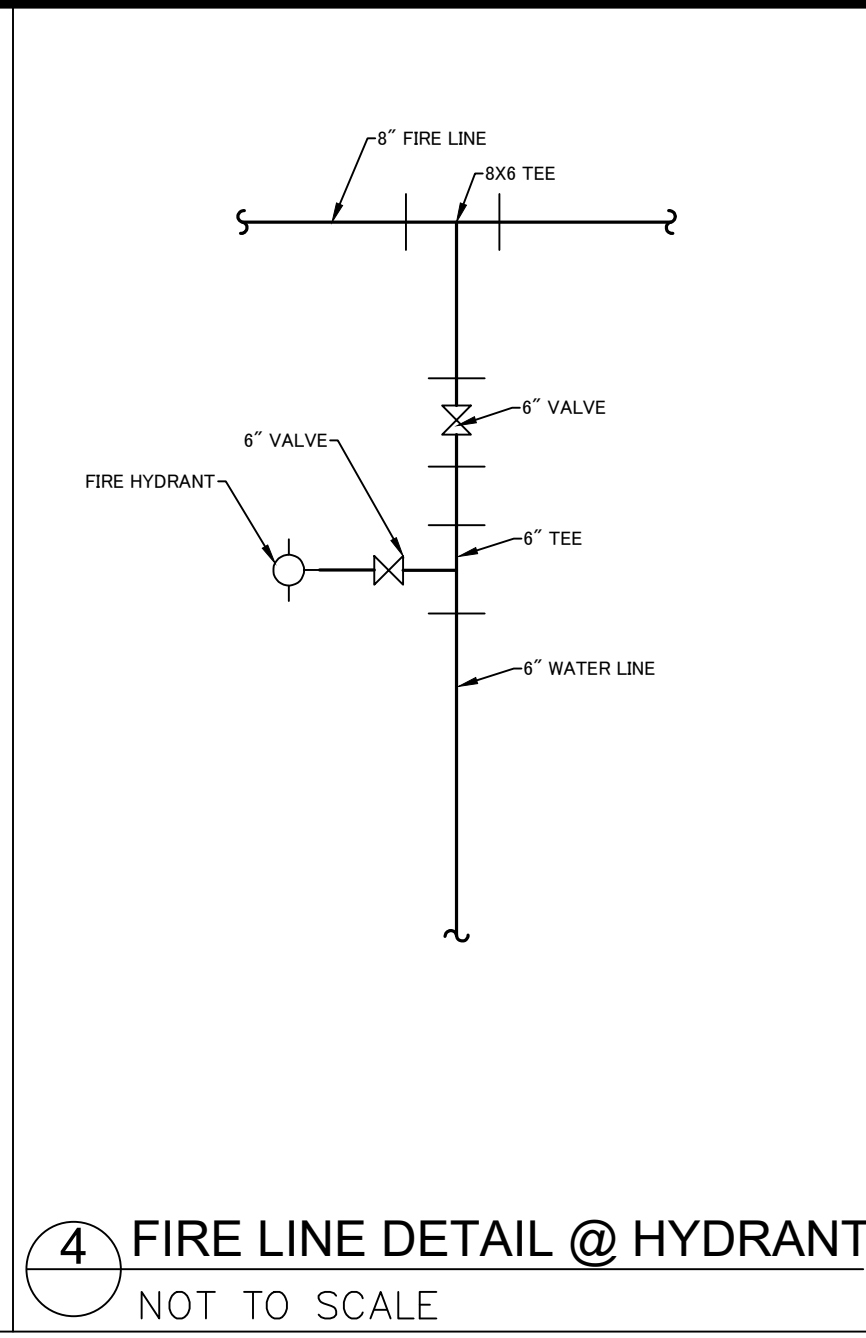
WATER SYSTEM

- WATER SYSTEM SHALL CONFORM WITH THE CITY OF PORT ARTHUR WATER UTILITIES DETAILS & SPECIFICATIONS.
- PIPE BEDDING SHALL CONFORM WITH CITY OF PORT ARTHUR WATER UTILITIES DETAILS.
- TAP ON EXISTING WATER LINE TO BE INSTALLED BY CITY OF PORT ARTHUR AT CONTRACTORS EXPENSE.
- CONTRACTOR SHALL VERIFY AND COORDINATE WITH CITY OF PORT ARTHUR REGARDING WATER TAPS AND WATER METERS.
- PIPE SHALL BE PVC POTABLE WATER PIPE MAIN AND CONFORM TO ANWA C900 CLASS 165 PVC PIPE AND COUPLINGS SHALL BE MADE FROM CLASS 12454-B VIRGIN COMPOUNDS AS DEFINED IN ASTM D1784 AND CONFORM WITH THE OUTSIDE DIMENSIONS OF IRON PIPE.
- ALL M.J. FITTINGS TO HAVE MEGALUG JOINT RESTRAINTS OR EQUAL. ALL WATERLINE BENDS SHALL USE MEGALUGS.
- TCEQ - CHAPTER 217, SUBSECTION 217.53, EFFECTIVE 9-28-08, WHERE A SANITARY SEWER CROSSES A WATERLINE AND THE SEWER IS CONSTRUCTED OF CAST IRON, DUCTILE IRON OR PVC WITH A MINIMUM PRESSURE RATING OF 150 PSI, AN ABSOLUTE MINIMUM DISTANCE OF 6 INCHES BETWEEN OUTSIDE DIAMETERS SHALL BE MAINTAINED. IN ADDITION THE SEWER SHALL BE LOCATED BELOW THE WATERLINE WHERE POSSIBLE AND ONE LENGTH OF SEWER PIPE MUST BE CENTERED ON THE WATERLINE.
- WATER SYSTEM SHALL BE TESTED PER TCEQ STANDARDS. COORDINATE WITH ENGINEER AND CITY OF PORT ARTHUR.

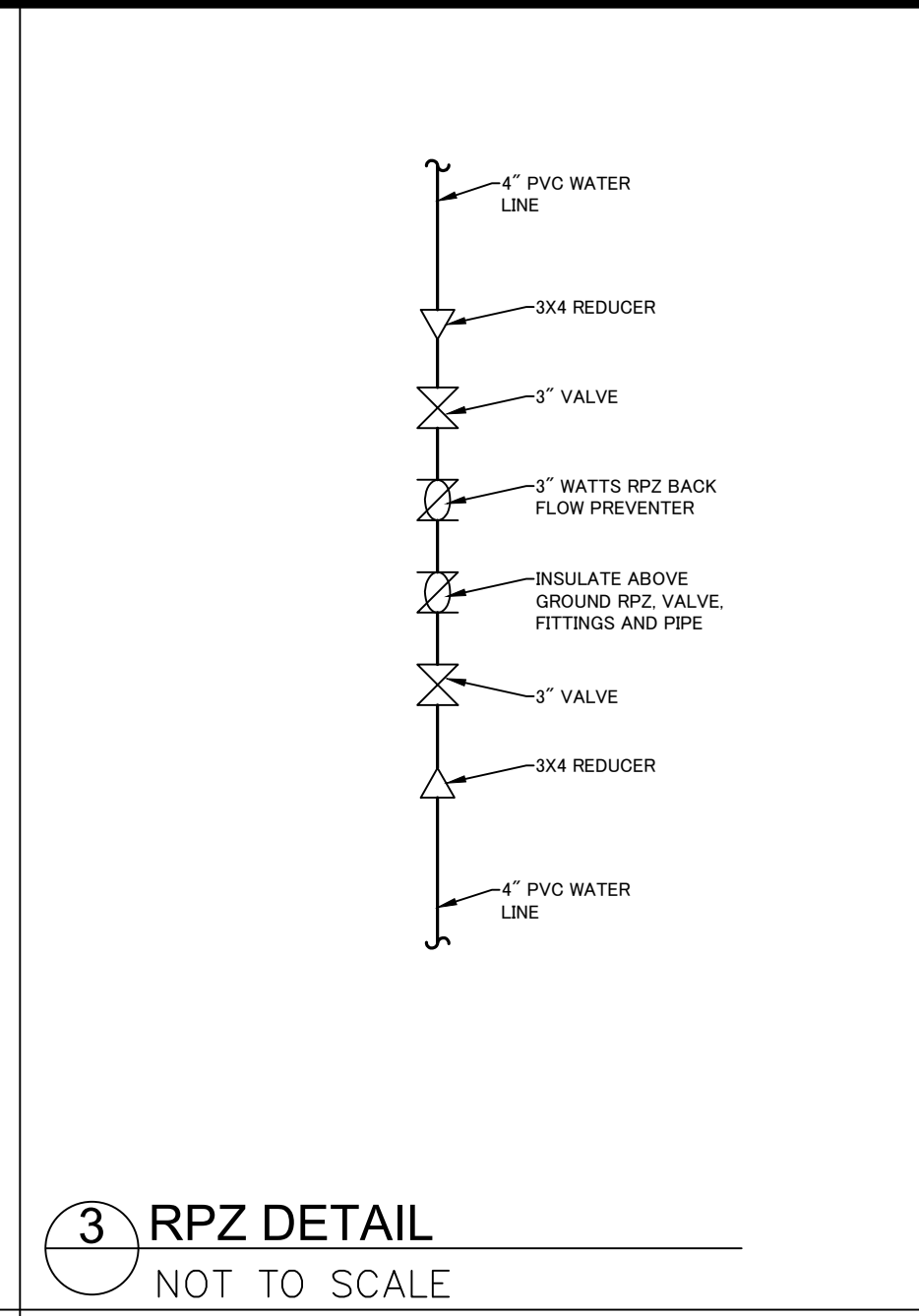
DRAINAGE

- ALL STORM SEWER SHALL BE HP-STORM WITH DOUBLE GASKET, UNLESS OTHERWISE SHOWN.

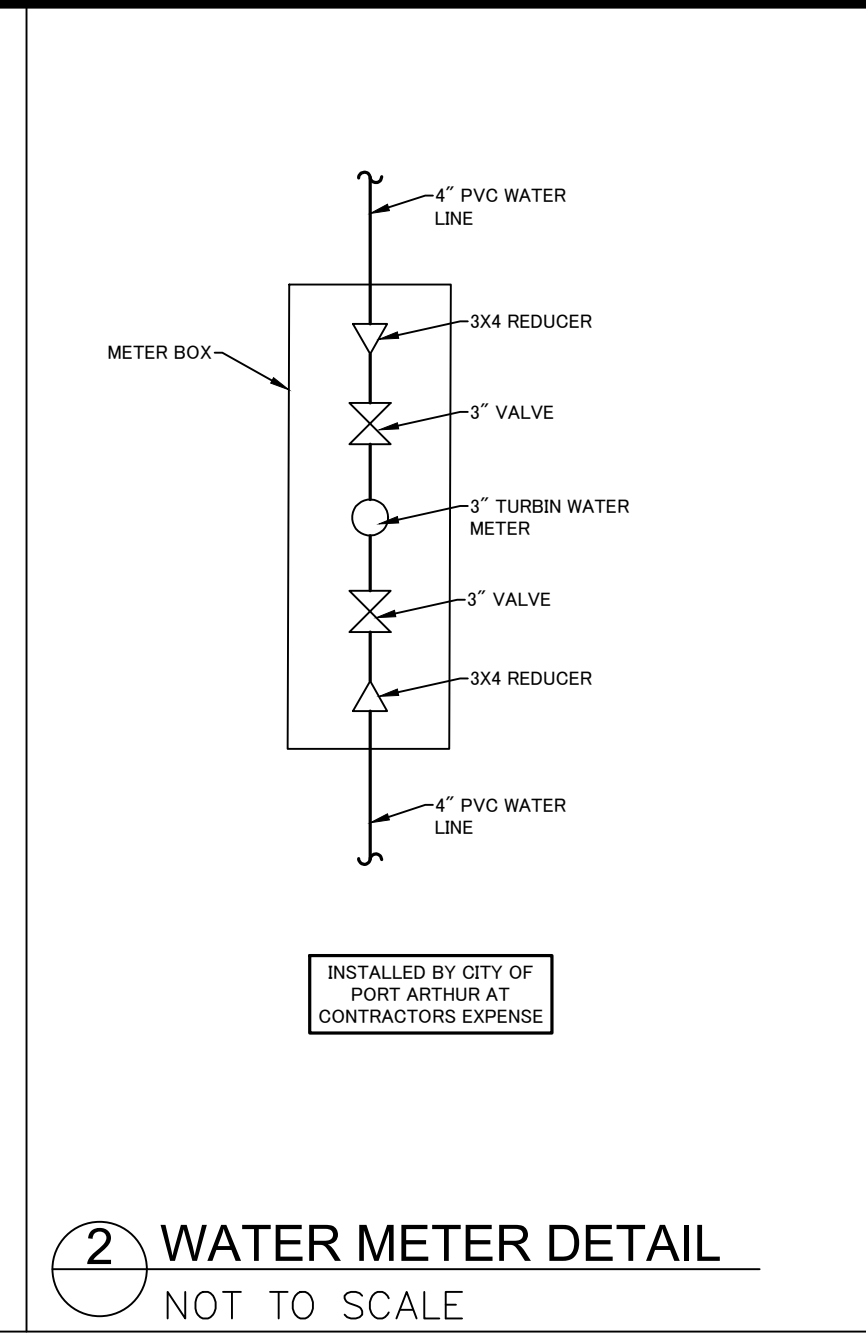
8 SITE & UTILITY NOTES
NOT TO SCALE



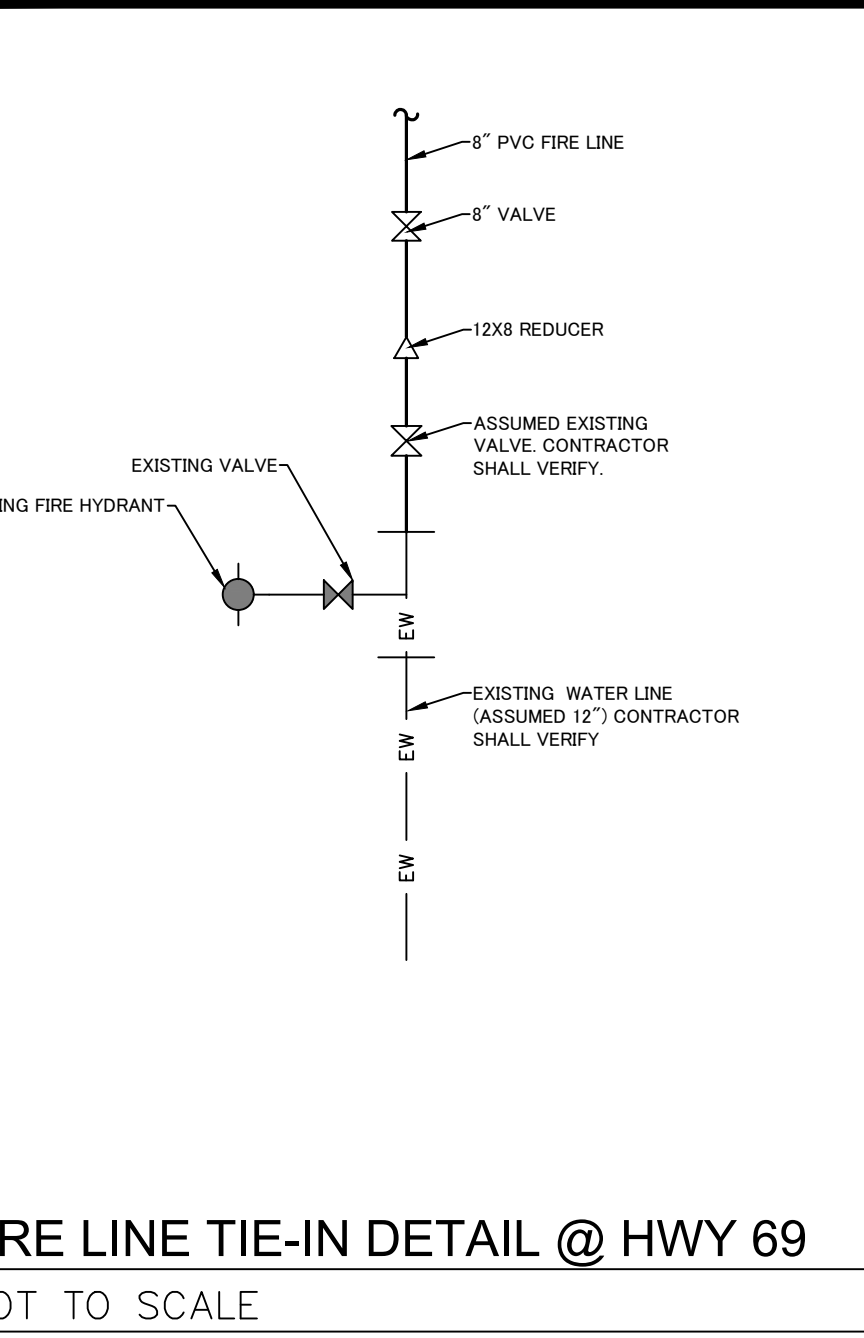
7 TYPICAL GATE VALVE
NOT TO SCALE



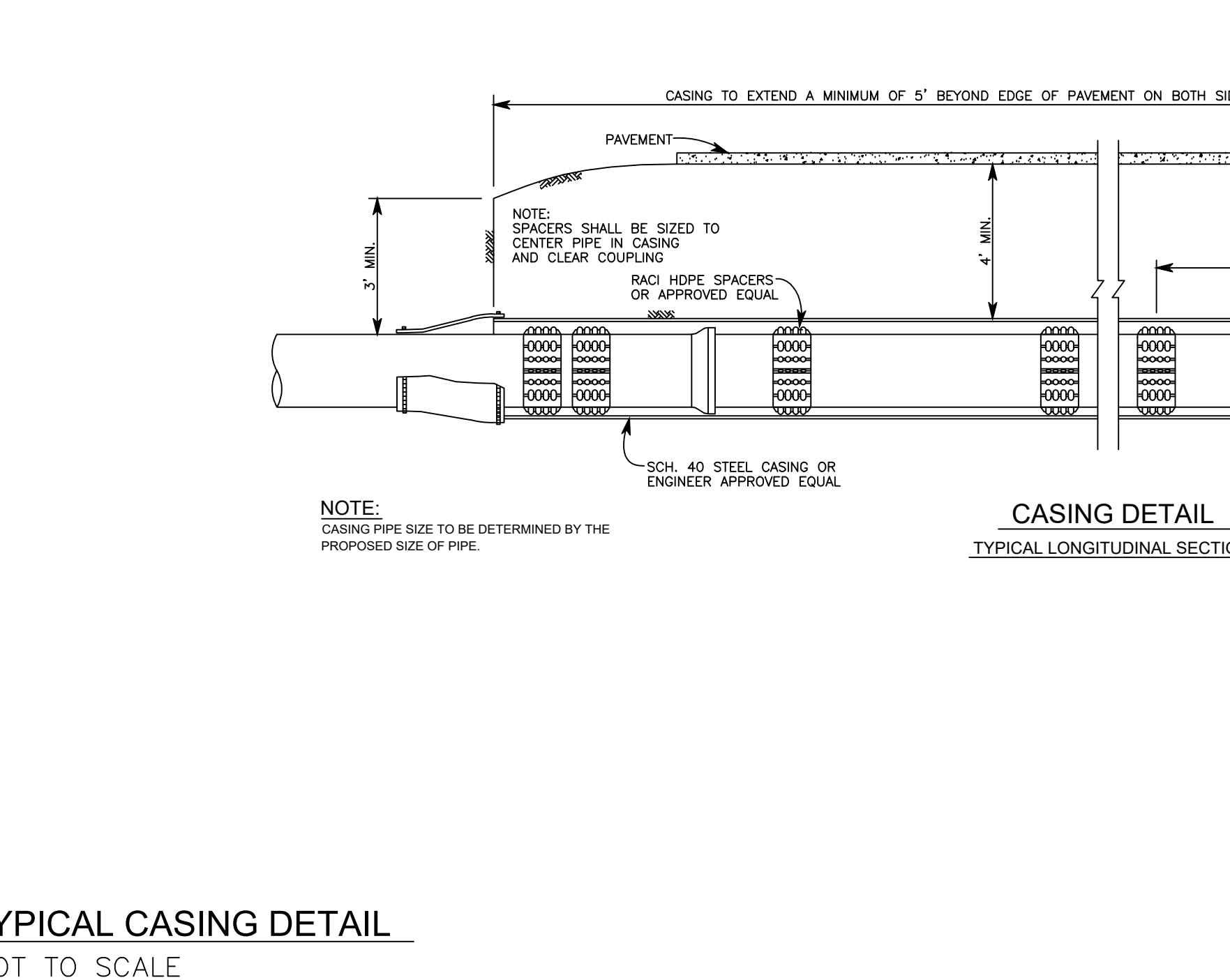
3 RPZ DETAIL
NOT TO SCALE



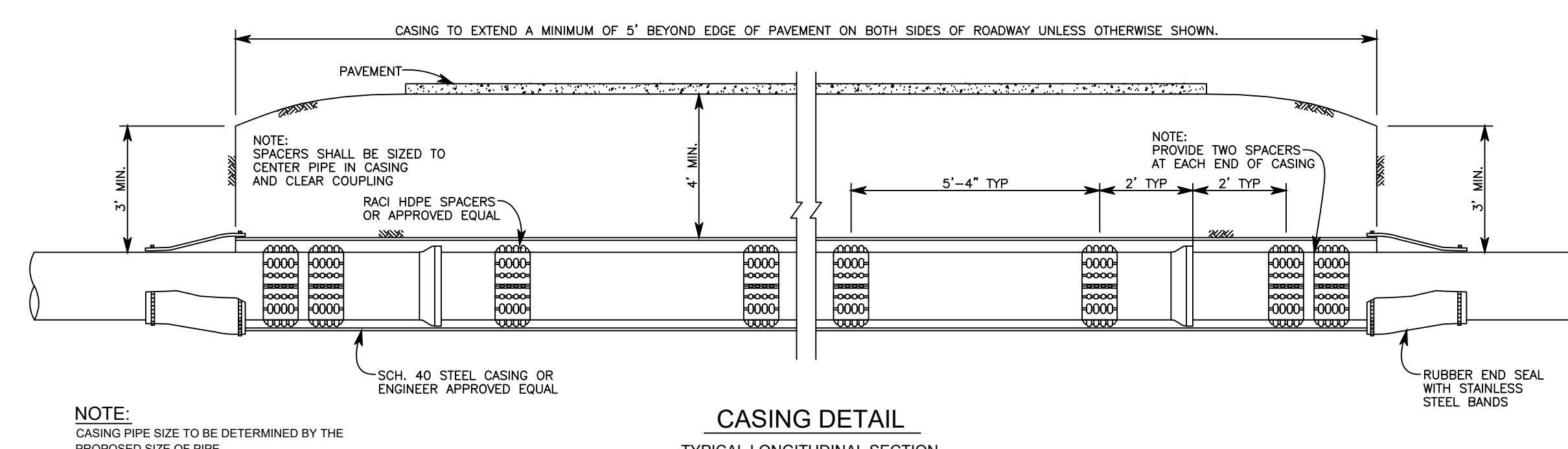
2 WATER METER DETAIL
NOT TO SCALE



1 FIRE LINE TIE-IN DETAIL @ HWY 69
NOT TO SCALE

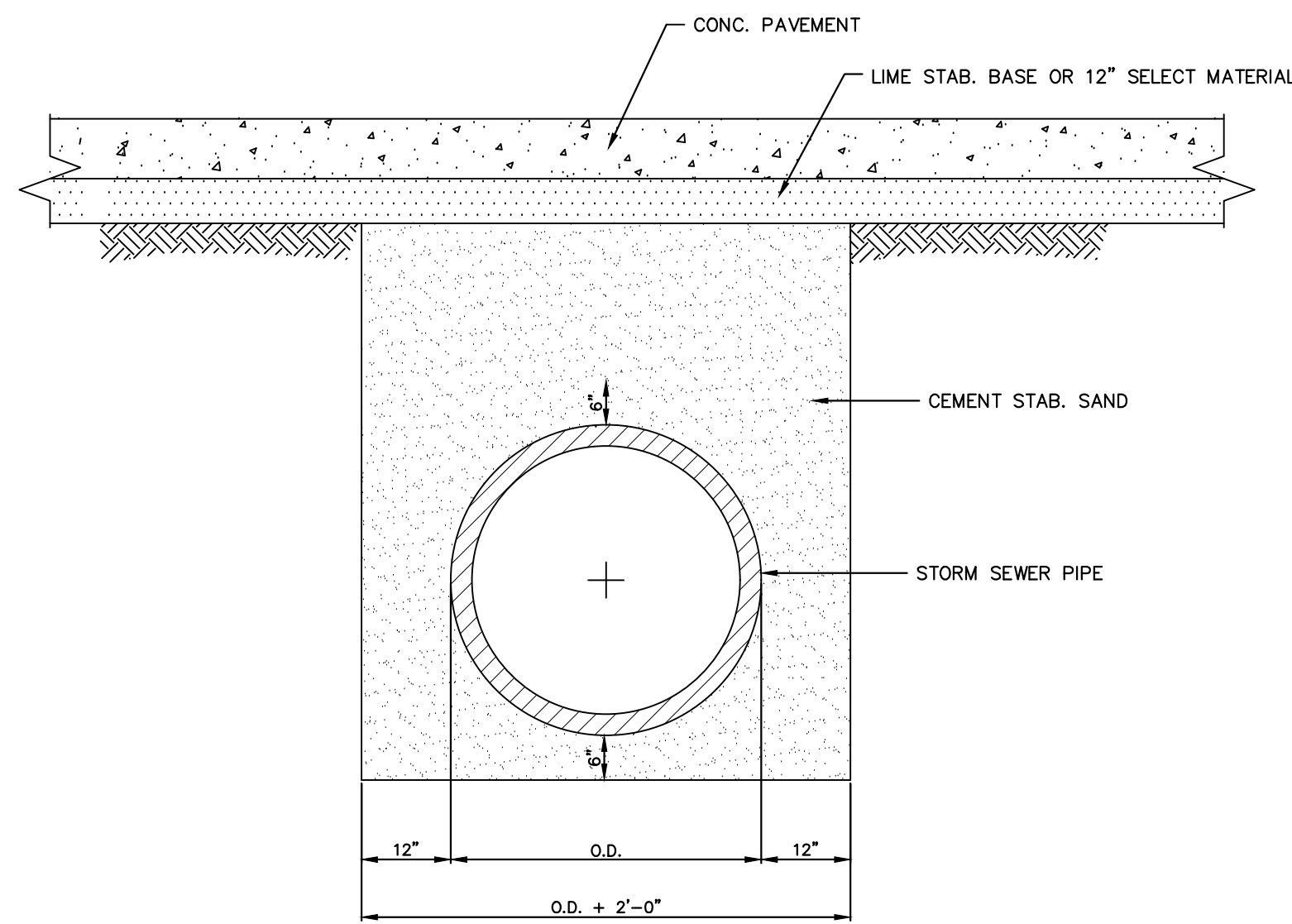


6 WATER LINE DETAIL
NOT TO SCALE

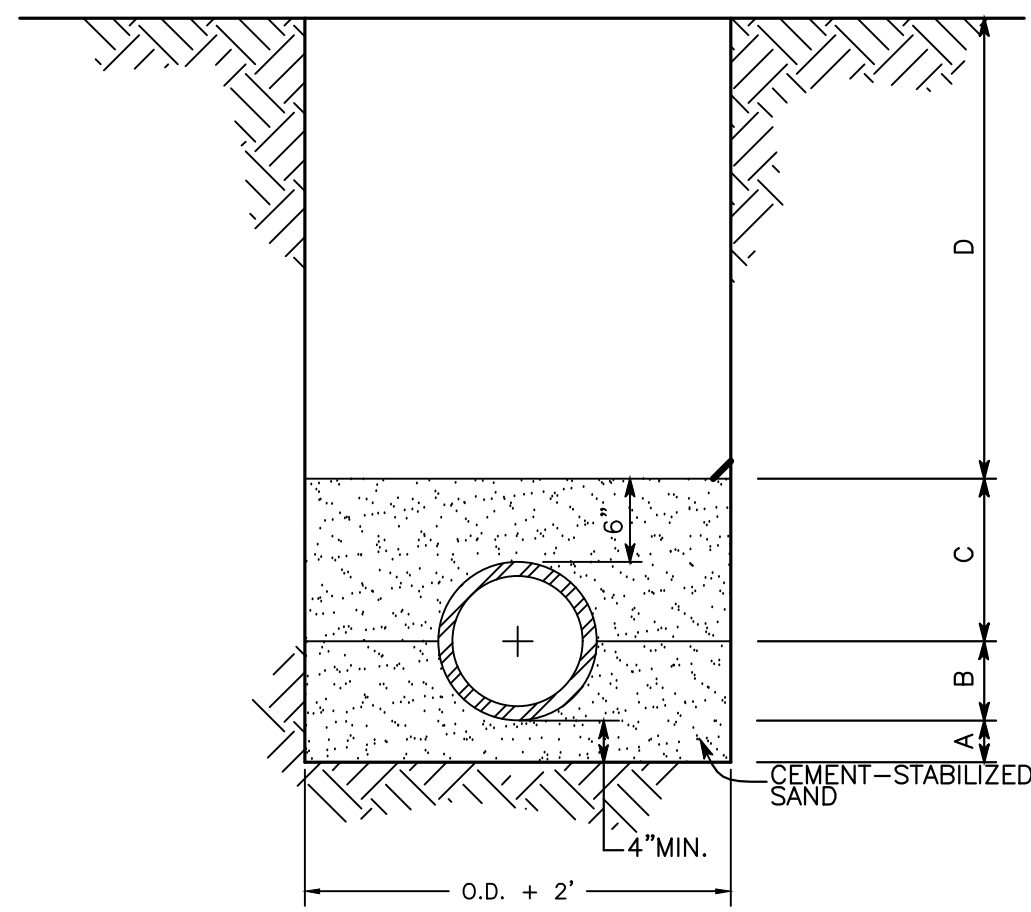


8 TYPICAL CASING DETAIL
NOT TO SCALE

SAVED: DAWN
PLOT DATE: 08/02/21 7:48 AM
SHEET SIZE: ARCH D (24.00 x 36.00 inches)
\\soutex\Source\Drawings\2020\20-0833_McCoy-Frst United Pentecostal Church - UCA\Drawings\2020\20-0833 - Ckld.dwg Aug 06, 2021 - 7:48am Dawn

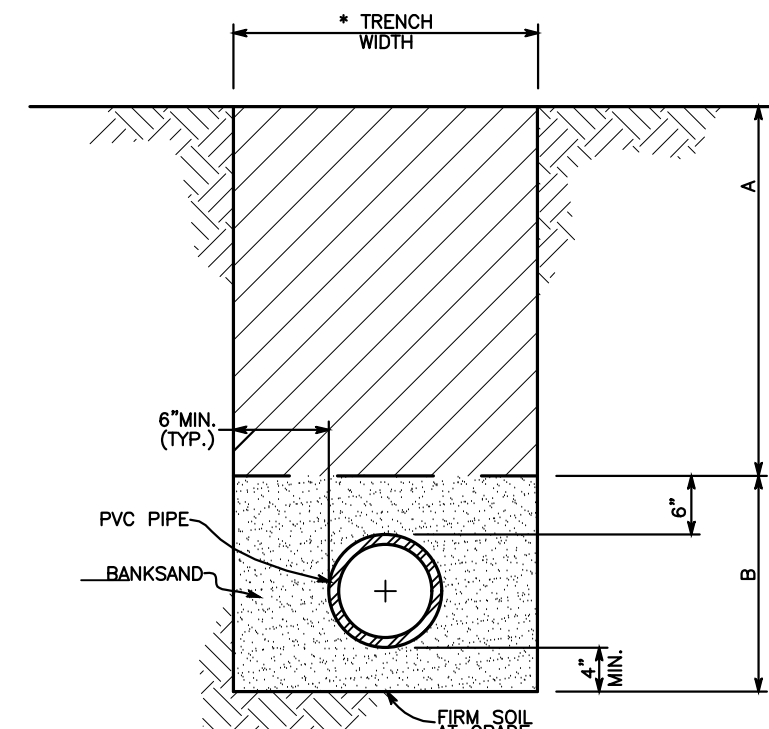


TYPICAL STORM SEWER BACKFILL UNDER PAVEMENT



CLASS "A" BEDDING
(FOR USE WITH STORM SEWER PIPE)

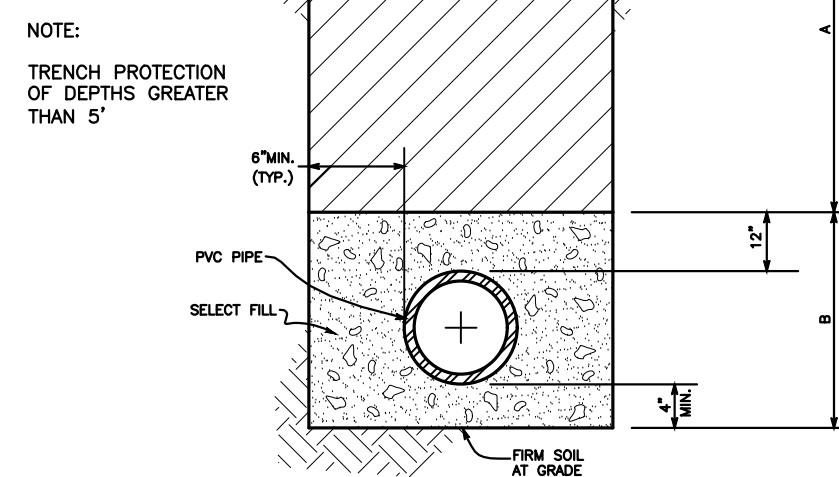
- NOTE
1. USE FOR ALL STORM SEWERS.
 2. USE CEMENT-STABILIZED SAND BACKFILL IN AREAS "C" AND "D" WHEN CALLED FOR IN PLANS OR TECHNICAL SPECS.
- COMPACT CEMENT-STABILIZED SAND TO 90% PROCTOR DENSITY
- NOTES FOR CLASS "A" BEDDING**
- A - CEMENT-STABILIZED SAND PLACED BEFORE PIPE IS LAID UP TO FLOOR LINE OF PIPE OR MINIMUM DEPTH OF 4".
 - B - CEMENT-STABILIZED SAND, THOROUGHLY COMPACTED IN PLACE AFTER PIPE IS LAID.
 - C - 60/40 SELECT FILL PLACED SAME DAY AS PIPE IS LAID. CEMENT STABILIZED SAND SHALL BE USED IN THIS ZONE WHEN IT IS REQUIRED TO BE USED IN ZONE "D".
 - D - 60/40 SELECT FILL PLACED NEXT DAY (OR LATER) AFTER PIPE IS LAID.



CLASS "C" BEDDING
(WATER LINE CONSTRUCTION)

NOTE:
TRENCH PROTECTION OF DEPTHS GREATER THAN 5"

- NOTES FOR CLASS "C" BEDDING**
- A - BACKFILL IN ACCORDANCE WITH WATER CONSTRUCTION SPECIFICATIONS
 - B - BACKFILL WITH FIRMLY TAMPED BANKSAND IN ACCORDANCE WITH THIS DETAIL
- PIPE LESS THAN 30-INCH
MAX. 1'-6"+#
MIN. 1'-0"+#
 - PIPE 30-INCH AND LARGER
MAX. 2'-0"+#
MIN. 1'-4"+#

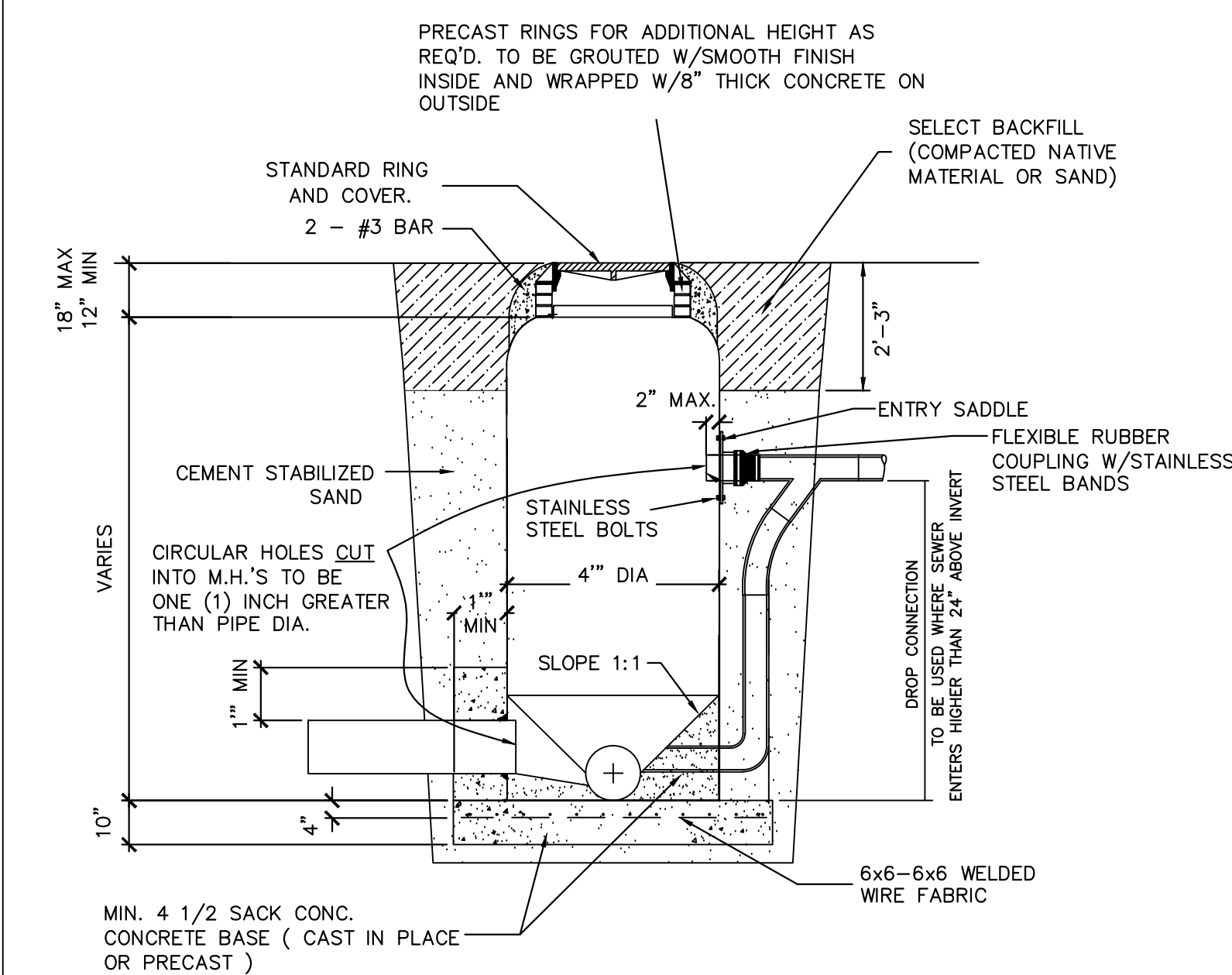


CLASS "B" BEDDING
(FOR USE WITH SAN SEWER PIPE)

- NOTES**
- A - BACKFILL IN ACCORDANCE WITH SEWER CONSTRUCTION SPECIFICATIONS
 - B - BACKFILL WITH FIRMLY TAMPED SELECT FILL IN ACCORDANCE WITH THIS DETAIL AND CONSTRUCTION OF UNDERGROUND LINE #W D
- PIPE LESS THAN 30-INCH
MAX. 1'-6"+#
MIN. 1'-0"+#
 - PIPE 30-INCH AND LARGER
MAX. 2'-0"+#
MIN. 1'-4"+#

SELECT FILL BEDDING MATERIAL SHALL CONSIST OF A SELECT FILL CONFORMING TO THE FOLLOWING GRADATIONS:

SIEVE SIZE	% PASSING
1 1/2"	100
1"	95-100
3/4"	25-60
#4	0-10
#8	0-5



(SEWER 24" O.D. AND SMALLER)

FIBERGLASS MANHOLE STIFFNESS - THICKNESS	3'-6"	7'-12"	13'-20"	21'-25"
DEPTH				
NOMINAL WALL THICKNESS	.25	.30	.48	.48
MIN. STIFFNESS F/4Y PSI (kPa)	.72 (4.96)	1.26 (8.96)	2.01 (13.96)	3.02 (20.82)

MIN. 4 1/2 SACK CONC. CONCRETE BASE (CAST IN PLACE OR PRECAST)

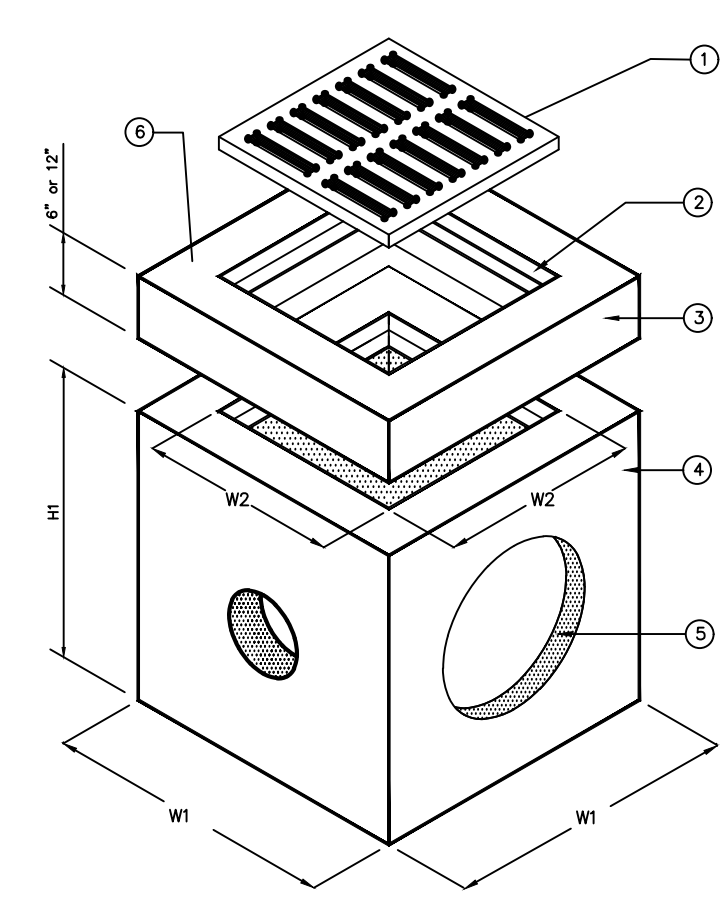
NOTE:
D3753-79 (STANDARD SPECIFICATION FOR GLASS FIBER-REINFORCED POLYESTER MANHOLES)

ALL MANHOLES SUPPLIED WITH CONES SHALL BE CERTIFIED TO COMPLY WITH ANSI/ASTM

INSTALLATION SHALL BE COMPLY WITH MANUFACTURES RECOMMENDED INSTALLATION INSTRUCTIONS

2 FIBERGLASS MANHOLE
NOT TO SCALE

1 PIPE BEDDING
NOT TO SCALE



KEYED NOTES

MARK	QTY	DESCRIPTION
1	1	GRATE OR COVER AS REQUESTED, SEE OPTIONS
2	1	CAST-IN STEEL FRAME
3	1	OPTIONAL TOP/EXTENSION 6" TO 18"
4	1	PRECAST CONCRETE BASIN SECTION
5	4	KNOCKOUTS (STD) AND PENETRATIONS (OPT) AS REQUIRED. SEE NO DIMENSION FOR MAXIMUM PIPE O.D.*
6	1	MANHOLE RISING: MFG. PARKUSA 888-611-PARK WWW.PARKUSA.COM MODEL CB-12 DATE MANUFACTURED

MODEL	W1	W2	H1	H2	T1	T2	KO	GRATE SIZE	OPEN AREA	WEIGHT LBS
CB-12	12"	12"	18"	18"	3"	3"	10"	12"x12"x1"	90	160
CB-14	20"	12"	28"	24"	4"	4"	12"	14"x14"x1"	120	600
CB-18	24"	16"	34"	30"	4"	4"	15"	18"x18"x1"	188	1,000
CB-20	28"	18"	34"	30"	4"	4"	17"	20"x20"x1"	490	1,330
CB-24	32"	22"	41"	36"	5"	5"	22"	24"x24"x2"	288	2,245
CB-27	37"	25"	42"	36"	6"	6"	24"	27"x27"x2"	350	2,875
CB-30	42"	30"	42"	36"	6"	6"	30"	32"x32"x2"	490	3,675
CB-36	48"	36"	42"	36"	6"	6"	32"	38"x38"x2"	693	4,585
CB-48	60"	48"	54"	48"	6"	6"	48"	38"x38"x2"	693	12,250
CB-60	72"	60"	66"	60"	6"	6"	60"	38"x38"x2"	693	10,500
CB-72	84"	72"	78"	72"	6"	6"	72"	38"x38"x2"	693	15,300
CB-84	96"	84"	78"	72"	6"	6"	72"	38"x38"x2"	693	19,500

*KNOCKOUTS NOT AVAILABLE

SPECIFICATIONS

CONCRETE : CLASS 1/II CONCRETE WITH OF DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH.

REINFORCEMENT: GRADE 60 REINFORCED STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.

C.I. CASTINGS: CAST IRON FRAMES AND GRATES ARE MANUFACTURED OF GREY CAST IRON CONFORMING TO ASTM A48-76 CLASS 30.

PARKUSA
www.parkusa.com 888-611-PARK
CATCH BASIN
MODEL CB - 12" THRU 84"

ADDITIONAL OPTIONS

MANHOLE TOPS: 304 STAINLESS STEEL, 1/2" HOLES & 1/2" O.C. (OR FREE OPEN AREA)

COVER OPTIONS

- GRATING: GRATING SHALL BE ALUMINUM OR 304 STAINLESS STEEL W/ STAINLESS STEEL WALK FRAME.
- SKID-RESISTANT STEEL PEDESTAL DUTY SILL.
- TRAFFIC DUTY CAST IRON GRATE.
- STAINLESS STEEL/PORCELAIN GRATE, ADA APPROVED.
- CAST IRON FRAME & GRATE 1000-SERIES.

NOTE: GRATES, MANHOLE FRAMES, COVERS OR GRATES ARE MANUFACTURED OF DUCTILE IRON CONFORMING TO ASTM A536, A538 OR A539 W/100 STANDARD, A539 W/100 STANDARD.

NOTE: ACCESS GRATES TO BE PROVIDED WITH 3/8" STAINLESS STEEL BOLTS AND NUTS.

SAVED DAWN
PLOT DATE: 8/6/2021 7:48 AM
SHEET SIZE: ARCH D (24.00 x 36.00 inches)
\\solutions\services\users\j\scott\projects\2020\20-0833_McCoy-First Pentecostal Church - LCA\DWG\20-0833 - Cldg.dwg Aug 06, 2021 7:48am Dwg

3 CATCH BASIN
NOT TO SCALE

AAI
Architectural Alliance Incorporated
3507 Pine Street, Suite 720
Houston, Texas 77010
TEL: (409) 983-7796
FAX: (409) 983-7416
J. RBB CLARK, A.I.A.
RONALD W. JONES, A.I.A.
www.aaiinc.com

STANLEY G. NEWSOME, JR.
PROFESSIONAL ENGINEER
31026
8/2/21
FOR PERMITTING & CONSTRUCTION
ARCHITECT HAS REVIEWED THE CONSULTANT'S WORK AND COORDINATED IT WITH THE OVERALL PROJECT

UNITED CHRISTIAN ACADEMY
First Pentecostal Church
Highway 69
Nederland, TX 77627

ISSUED FOR SCHEMATIC DESIGN

DATE: X

DESIGN DEVELOPMENT

DATE: X

BIDS & CONSTRUCTION

DATE: 08/02/2021

REVISION: _____

DATE: _____

REVISION: _____

DATE: _____

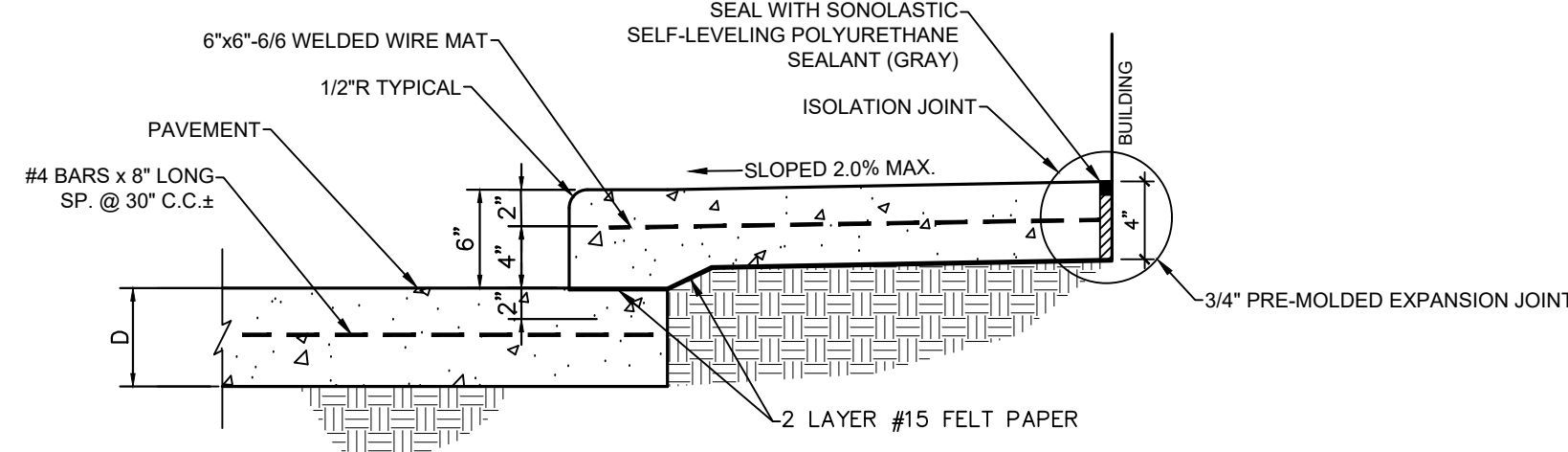
REVISION: _____

DATE: _____

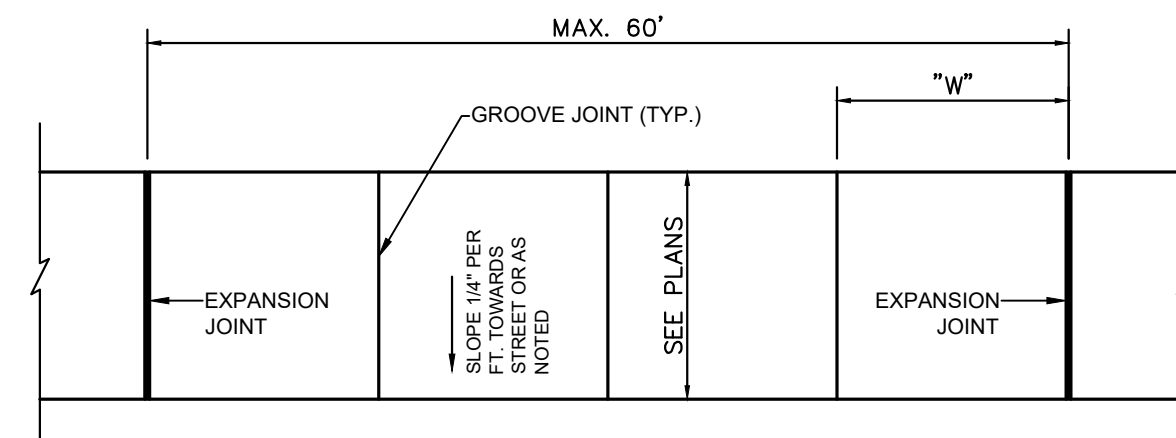
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DETAILS UTILITY

SHEET NUMBER
C8.02
20105
PROJECT NUMBER

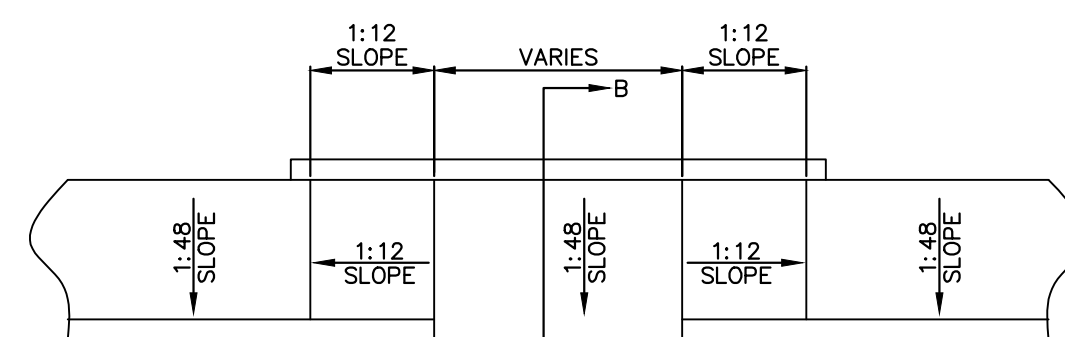
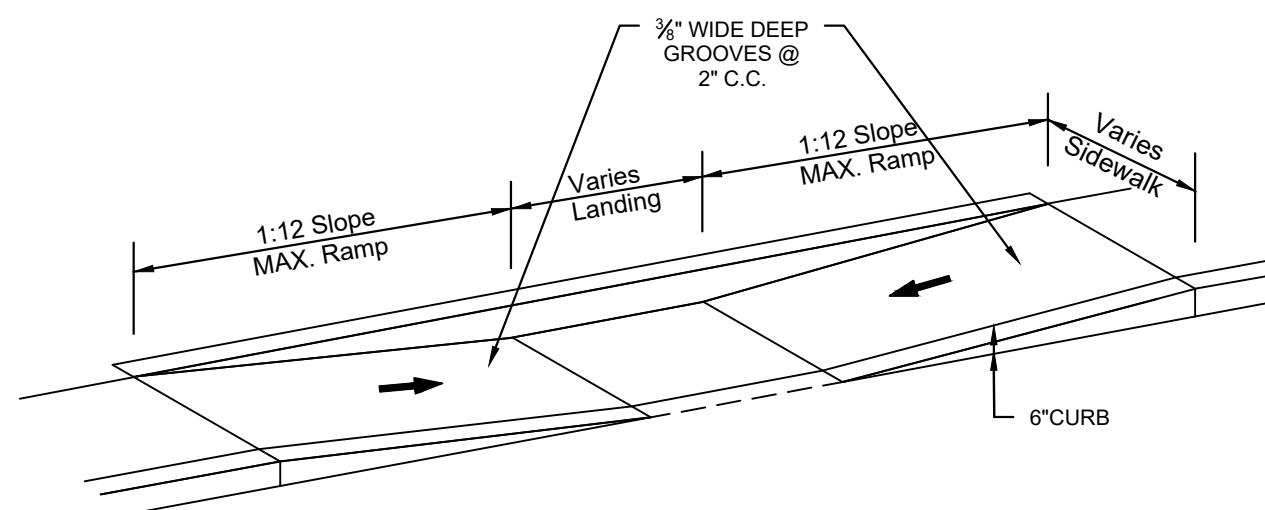
SOUTEX
SURVEYORS & ENGINEERS
3737 Decker Drive
Port Arthur, Texas 77642
Tel: 409-983-3004
Fax: 409-983-3000
soutextsurveys.com



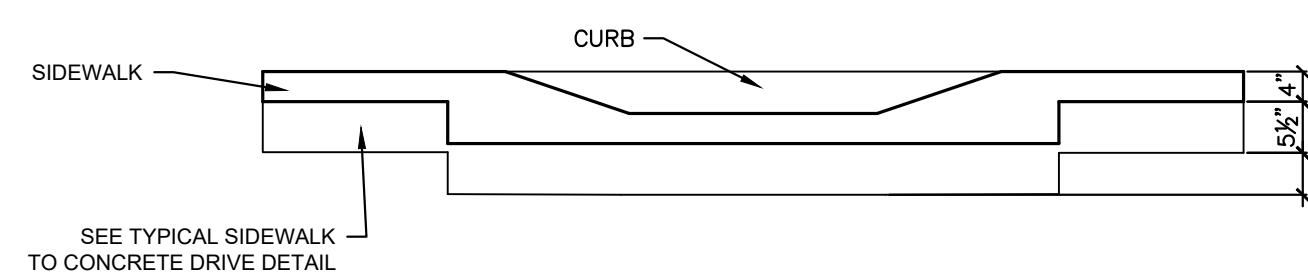
CURB TO SIDEWALK DETAIL



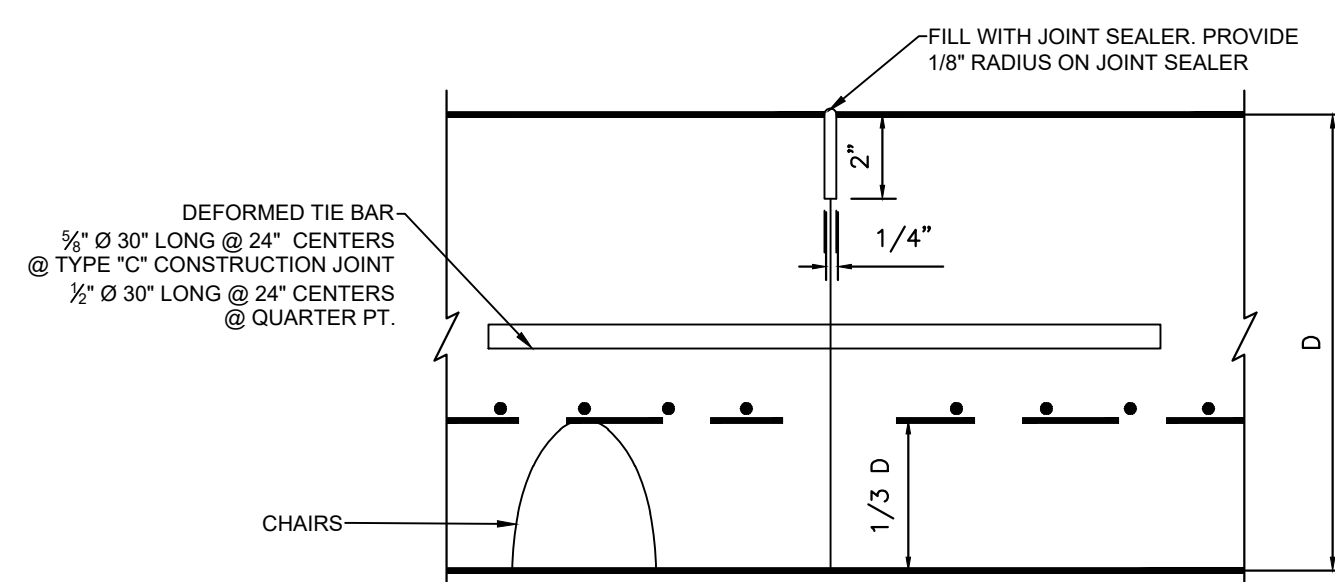
SIDEWALK DETAIL



PARALLEL CURB RAMP

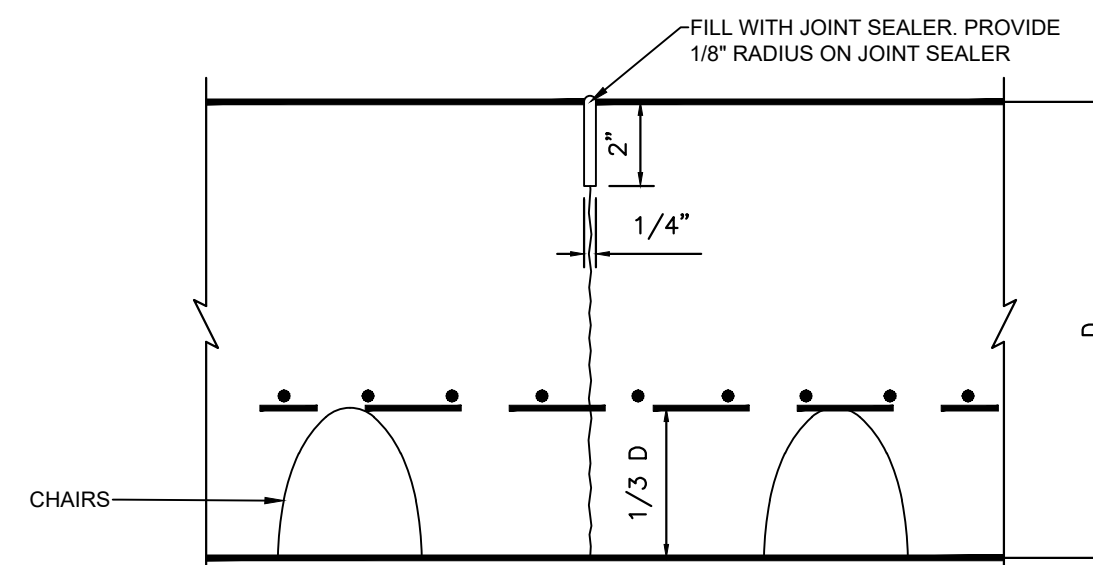


AA. PARALLEL CURB RAMP DETAIL

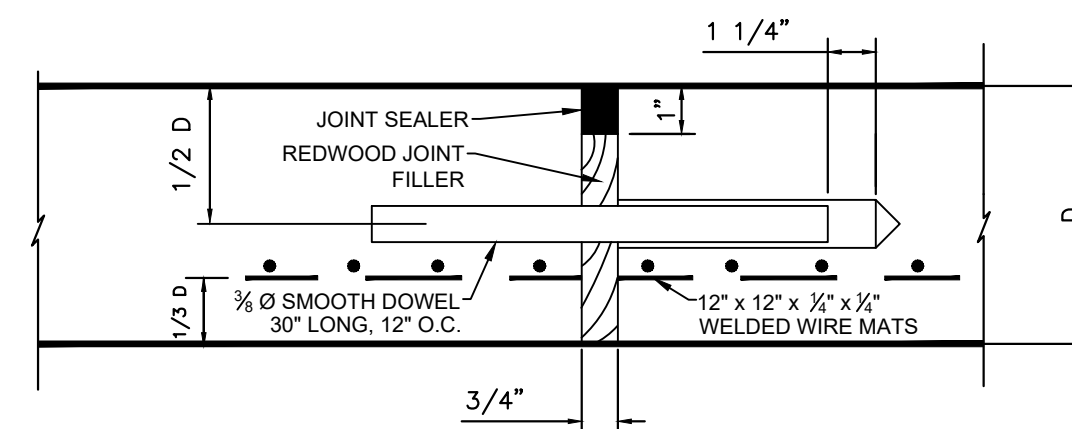


TYPE "E" CONSTRUCTION JOINT

NOTE: ONLY USE WITH AUTHORIZATION OF ENGINEER



TYPE "C" CONTRACTION JOINT (SAW CUT)



TYPE "B" EXPANSION JOINT

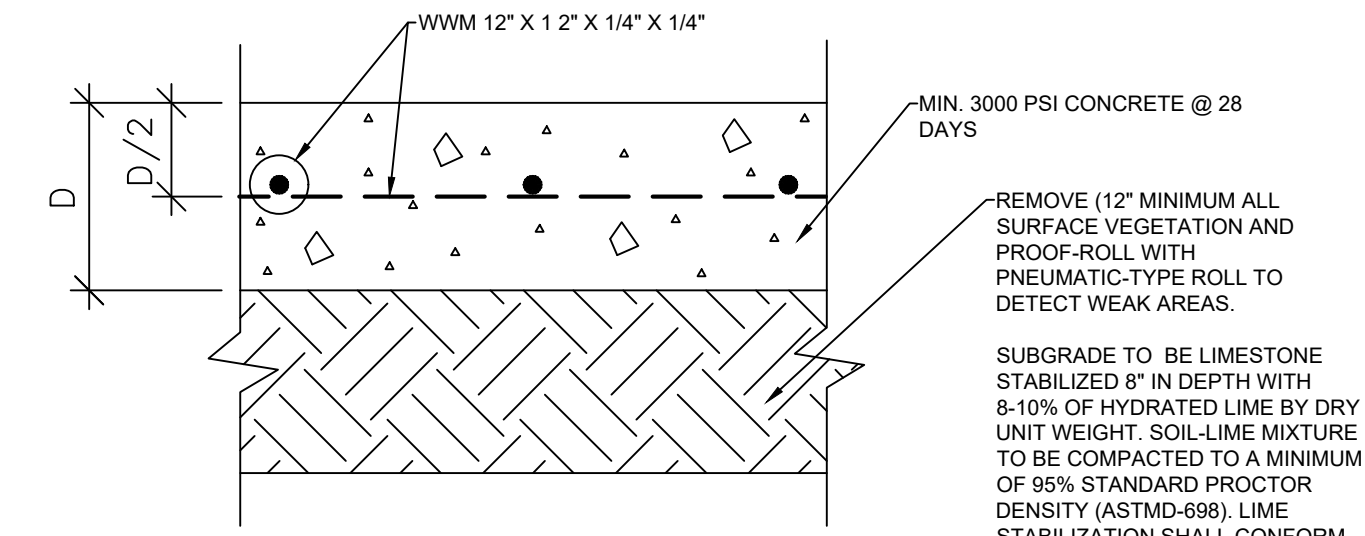
2 JOINT DETAILS

NOT TO SCALE

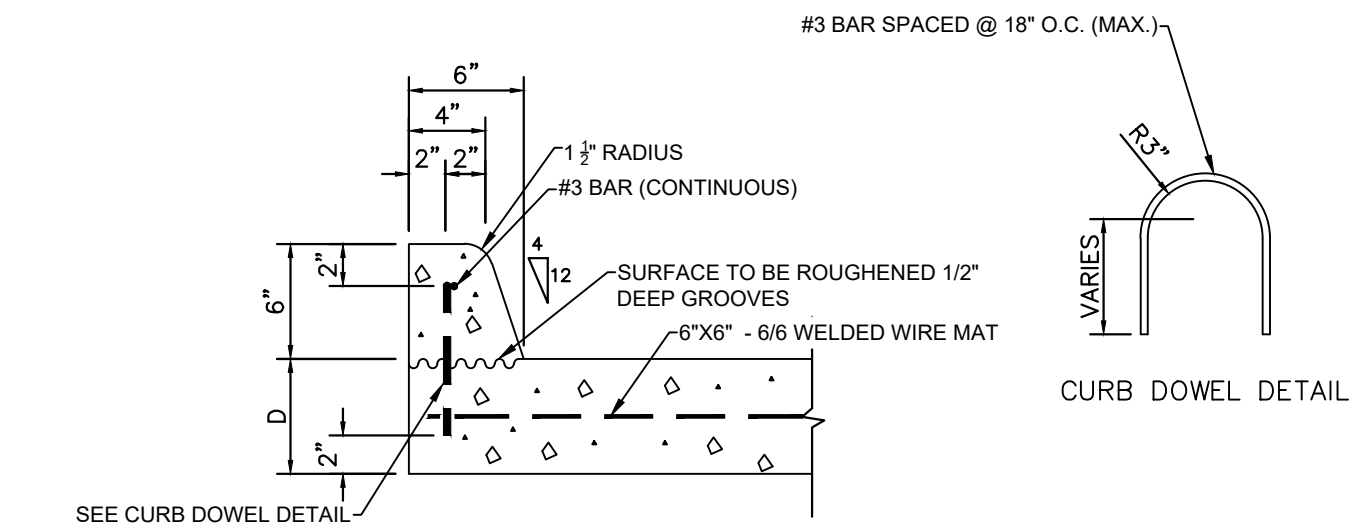
- NOTES:
- CONTRACTOR SHALL REVIEW SOILS REPORT PRIOR TO CONSTRUCTION.
 - ANY REQUIRED SELECT FILL TO BE PLACED IN 8" THICK LIFTS MAXIMUM.
 - ALL CONCRETE TO BE 3000 PSI @ 28 DAY STRENGTH
 - MAKE 3 TEST CYLINDERS EVERY 50 CY. BREAK AT 7 DAY, 14 DAY, AND 28 DAY PLUS SPARE.
 - CURING COMPOUND TO BE USED AND FOLLOW MANUFACTURERS DIRECTIONS.
 - BROOM FINISH FOR NON SLIP SURFACE.
 - THE CONTRACTOR IS RESPONSIBLE FOR ALL SUBGRADE AND CONCRETE LAB TESTING IN ACCORDANCE WITH CITY OF PORT ARTHUR STANDARDS AND SPECIFICATIONS.
 - PAVING MATS ARE RECOMMENDED (12" X 12" X 1/4"). CHAIRS WILL BE REQUIRED IN A QUANTITY TO INSURE THE MATS ARE IN THE MIDDLE OF THE PAVEMENT.
 - ENTRY DRIVE SHALL BE CONSTRUCTED TO CITY OF PORT ARTHUR/TXDOT STANDARDS AND SPECIFICATIONS. CONTRACTOR SHALL KEEP ENGINEER UP TO DATE OF ALL CONSTRUCTION AND SHALL CONTACT THE ENGINEER MIN. 24 HOURS IN ADVANCE OF CONCRETE POURS FOR INSPECTIONS.
 - EXPANSION JOINTS TO BE CLEAR HEART REDWOOD AND NOT TREATED FIR OR PINE.
 - ALL JOINTS TO BE SEALED WITH CLASS 5 LOW MODULUS (SELF LEVELING) SILICON SEALANT.
 - THE AREA AT THE DUMPSTER OR WITH HEAVY TRUCK TRAFFIC TO BE 7" THICK. SEE SHEET C7.00 - JOINT MASTER PLAN & C7.01 - JOINT PHASE ONE PLAN.

2 NOTES

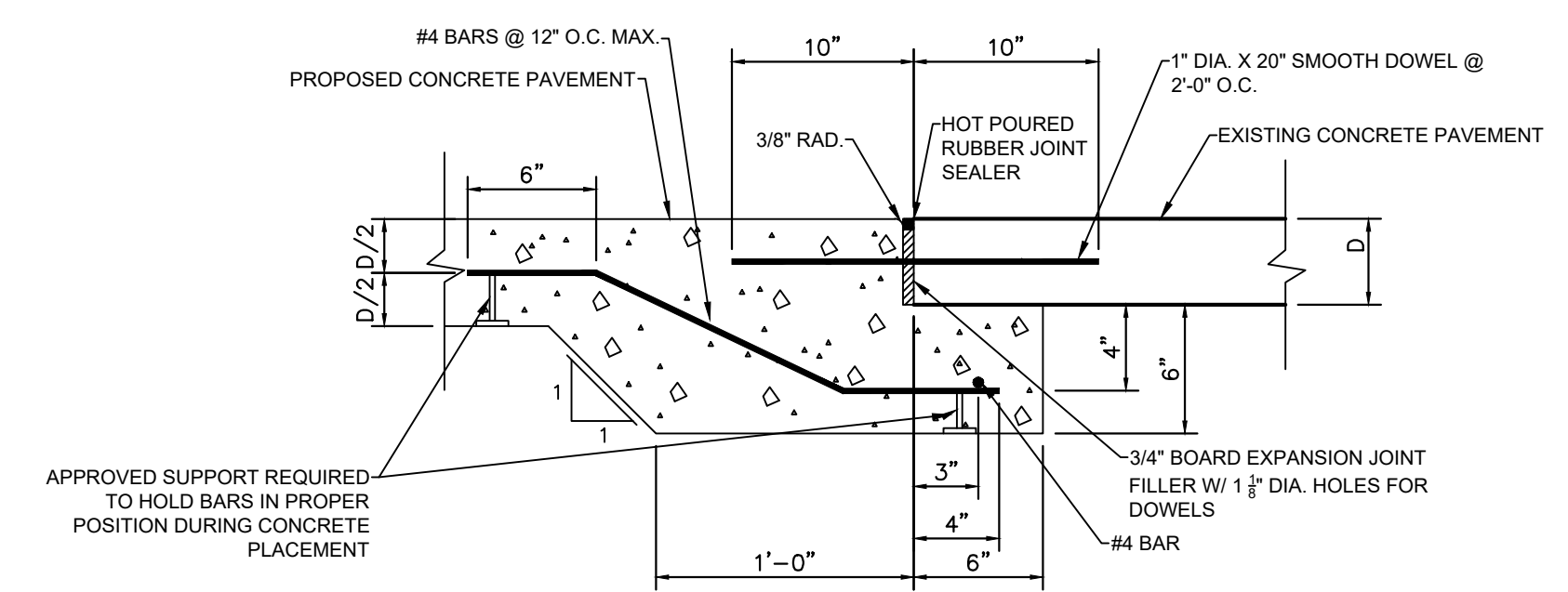
NOT TO SCALE



CONCRETE PAVEMENT DETAIL



STANDARD CURB FOR REINFORCED CONCRETE PAVEMENT



PAVEMENT TRANSITION (NEW CONCRETE TO EXIST. CONCRETE)

D = 5 1/2" CONCRETE THICKNESS (PARKING STALLS)
D = 7" CONCRETE THICKNESS (DRIVES, FIRE LANES & DUMPSTER)

GEOTECHNICAL REPORT PREPARED BY SCIENCE ENGINEERING, LTD. REPORT NO. 16201, DATED AUG. 2016

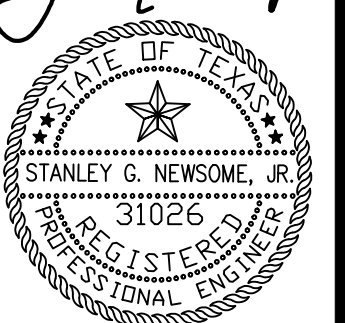
IF DETAILS DIFFER FROM ENGINEERING REPORT CONTACT SOUTEX FOR CLARIFICATION.

2 PAVING DETAILS

NOT TO SCALE

1 SIDEWALK DETAILS

NOT TO SCALE



8/2/21
FOR PERMITTING & CONSTRUCTION
ARCHITECT HAS REVIEWED THE CONSULTANT'S WORK AND COORDINATED IT WITH THE OVERALL PROJECT

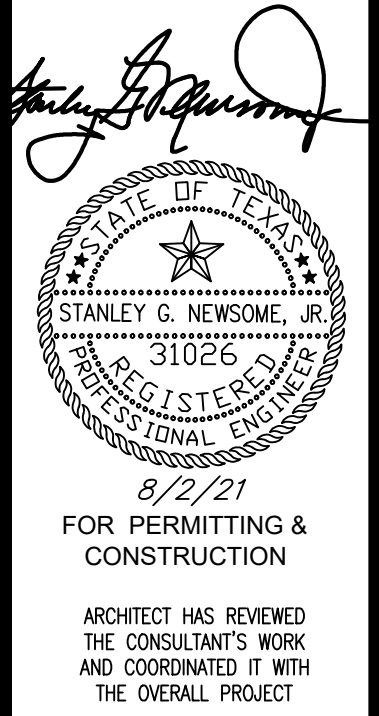
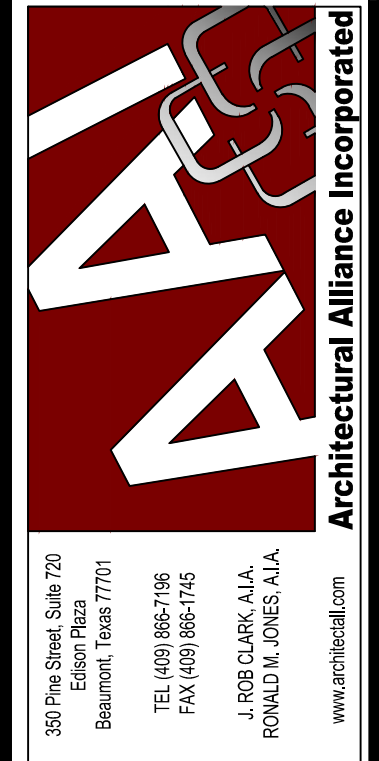
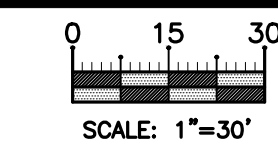
UNITED CHRISTIAN ACADEMY
First Pentecostal Church
Highway 69
Nederland, TX 77627

ISSUED FOR SCHEMATIC DESIGN DATE: X
DESIGN DEVELOPMENT DATE: X
BIDS & CONSTRUCTION DATE: 08/02/2021
REVISION: DATE:
REVISION: DATE:
REVISION: DATE:

DRAWINGS SHEET TITLE
DETAILS PAVING & SIDEWALK

SHEET NUMBER
C8.03
20105
PROJECT NUMBER

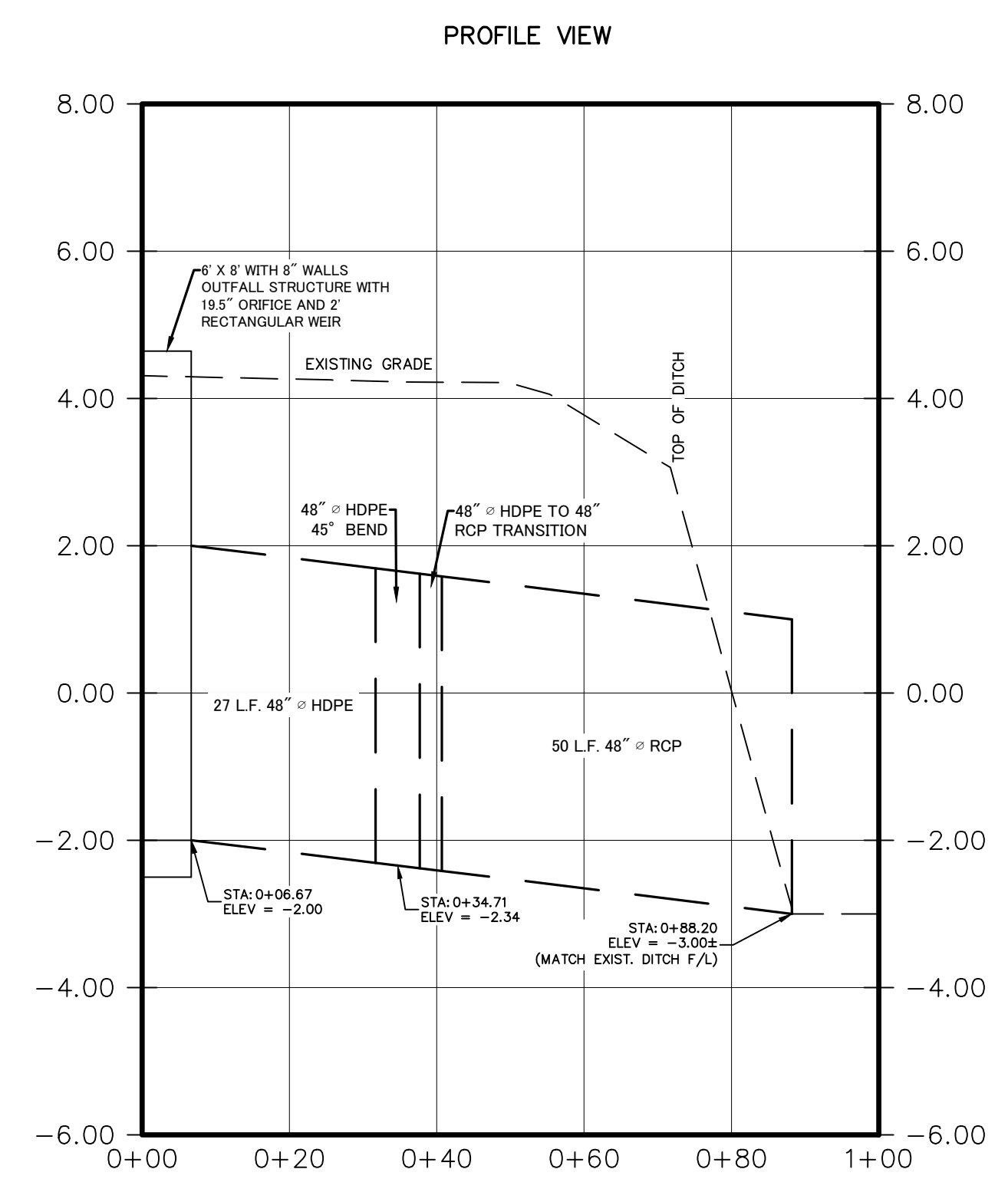
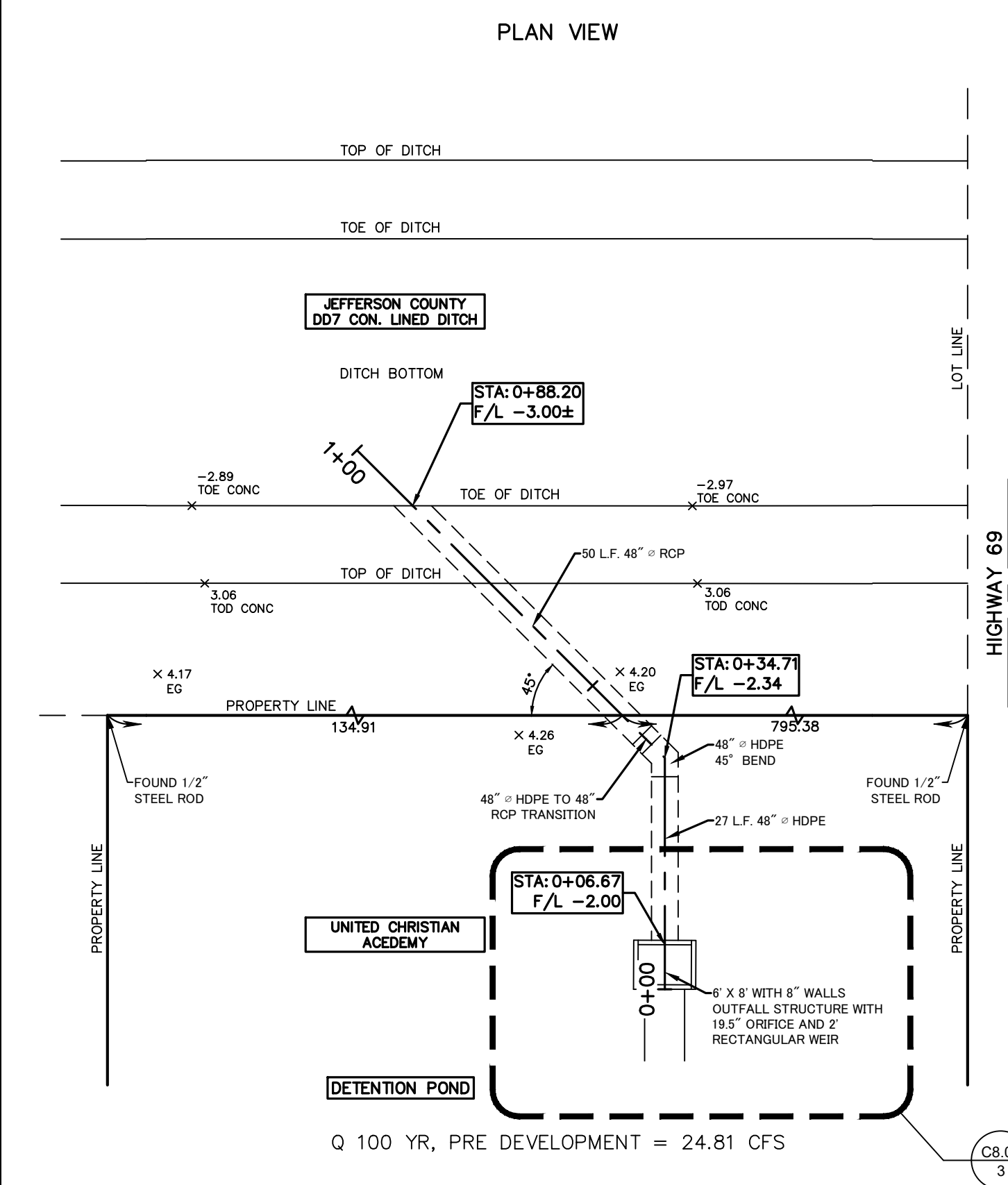




UNITED CHRISTIAN ACADEMY
First Pentecostal Church
Highway 69
Nederland, TX 77627

ISSUED FOR SCHEMATIC DESIGN
DATE: _____
DESIGN DEVELOPMENT
DATE: _____
BIDS & CONSTRUCTION
DATE: 08/02/2021
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

DRAWINGS SHEET TITLE
DETAILS POND
SHEET NUMBER
C8.04
20105
PROJECT NUMBER

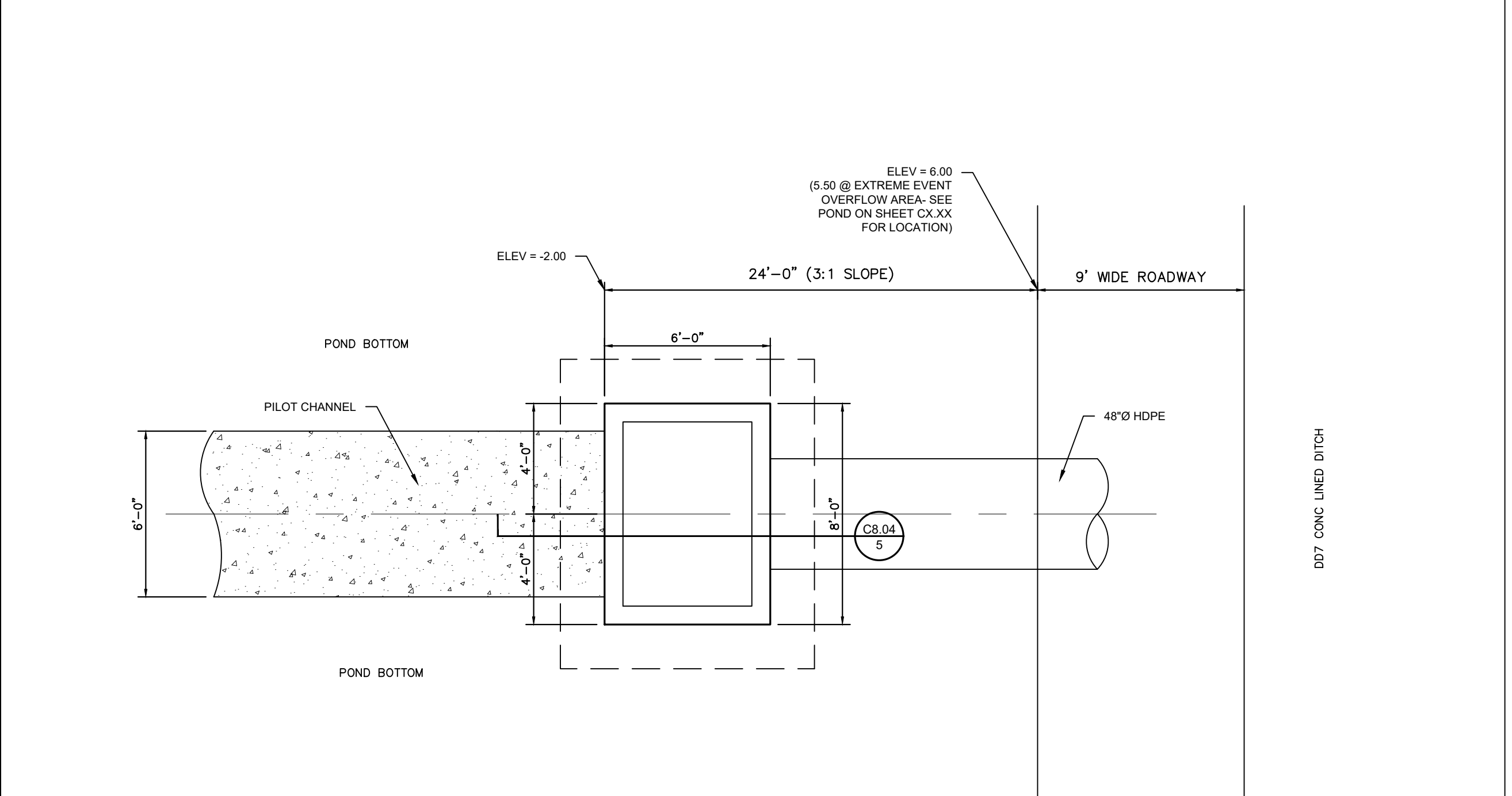


STORM SEWER	LENGTH (FEET)	Q (CFS)	DIAMETER (INCHES)	K	$S_{(R)}^2$ SLOPE***	$\frac{2}{A} = V$ VELOCITY (FDS)
1-A	108	9.21	18	114	0.0065	5.20
2-A	73	9.21	18	114	0.0065	5.20
1-BC	168	3.24	18	114	0.0008	1.83
2-BC	193	3.38	18	114	0.0009	1.91
3-BC	48	10.90	24	244	0.0020	3.47
4-BC	222	9.31	24	244	0.0015	2.96
5-BC	140	27.61	30	444	0.0039	5.62
6-BC	215	62.00	48	1556	0.0016	4.93
7-BC	85	69.04	48	1556	0.0020	5.49
1-D ***	40	4.47	24	244	0.0020	2.21
2-D	70	13.08	24	244	0.0029	4.17
3-D	75	16.51	24	244	0.0046	5.26
4-D	75	20.12	30	444	0.0021	4.09
5-D	95	24.53	36	722	0.0012	3.47
6-D	65	28.44	36	722	0.0016	4.02
7-D	65	31.77	36	722	0.0019	4.49
8-D	215	50.20	42	1090	0.0021	5.22
1-E	78	2.65	18	114	0.0005	1.50
2-E	65	4.75	18	114	0.0012	2.63
3-E	67	6.72	18	114	0.0035	5.74
4-E	95	8.75	24	244	0.0013	2.79
5-E	70	10.74	24	244	0.0019	3.41
6-E	67	12.74	24	244	0.0027	4.05
7-E	180	14.85	24	244	0.0037	4.73

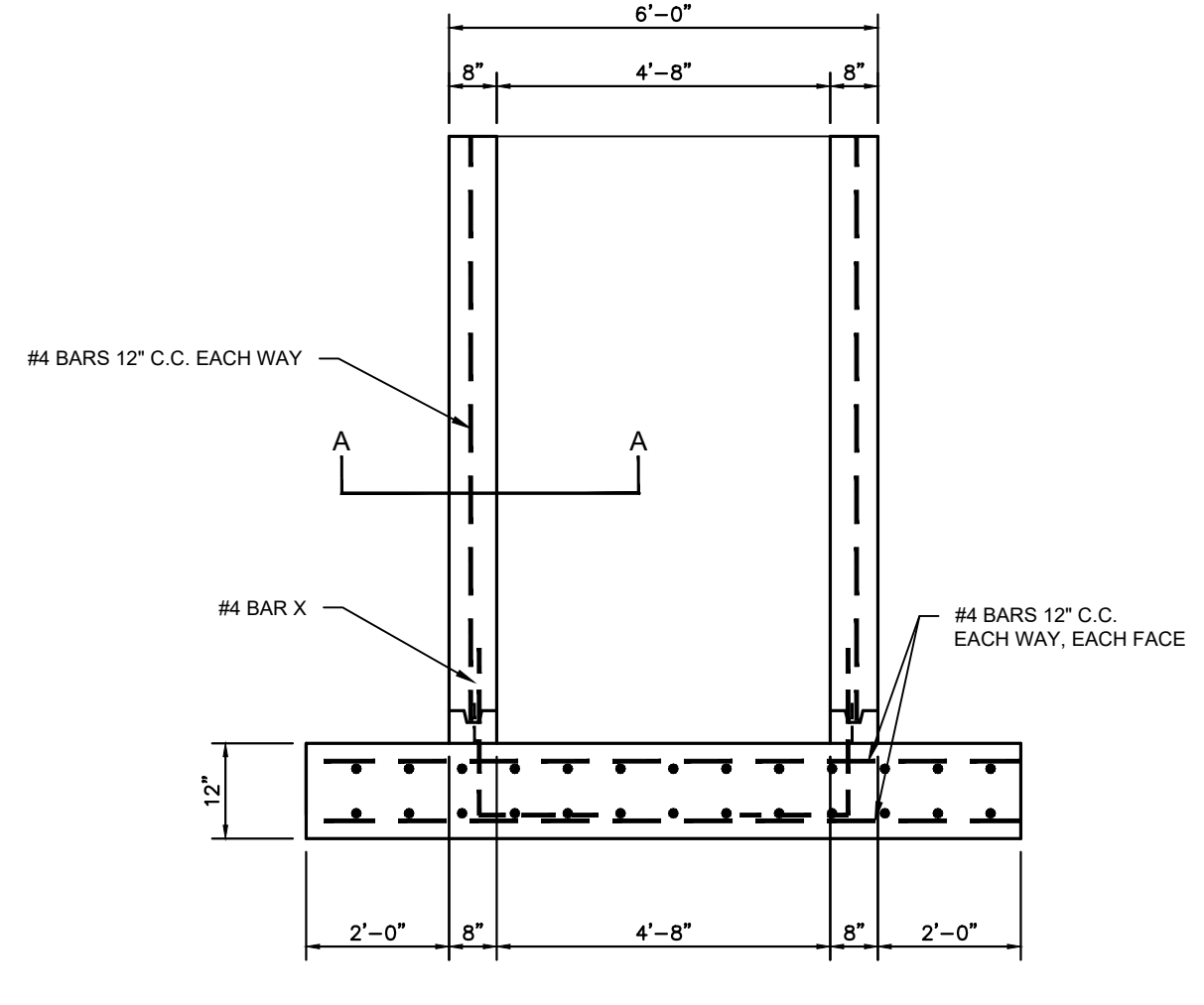
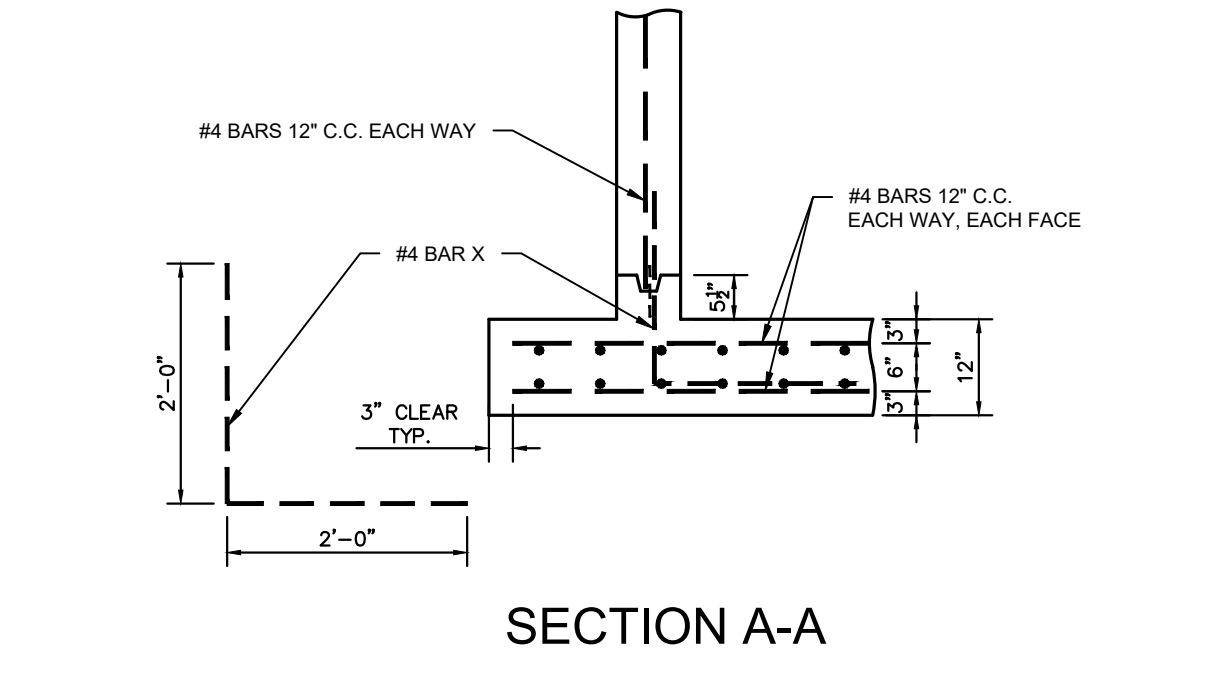
* MINIMUM PIPE SIZE = 18"
** MINIMUM SLOPE = 0.001
*** FUTURE FLOW FROM AIRPORT BUSINESS PARK

1 OUTFALL DETAIL
SCALE: 1"=20'

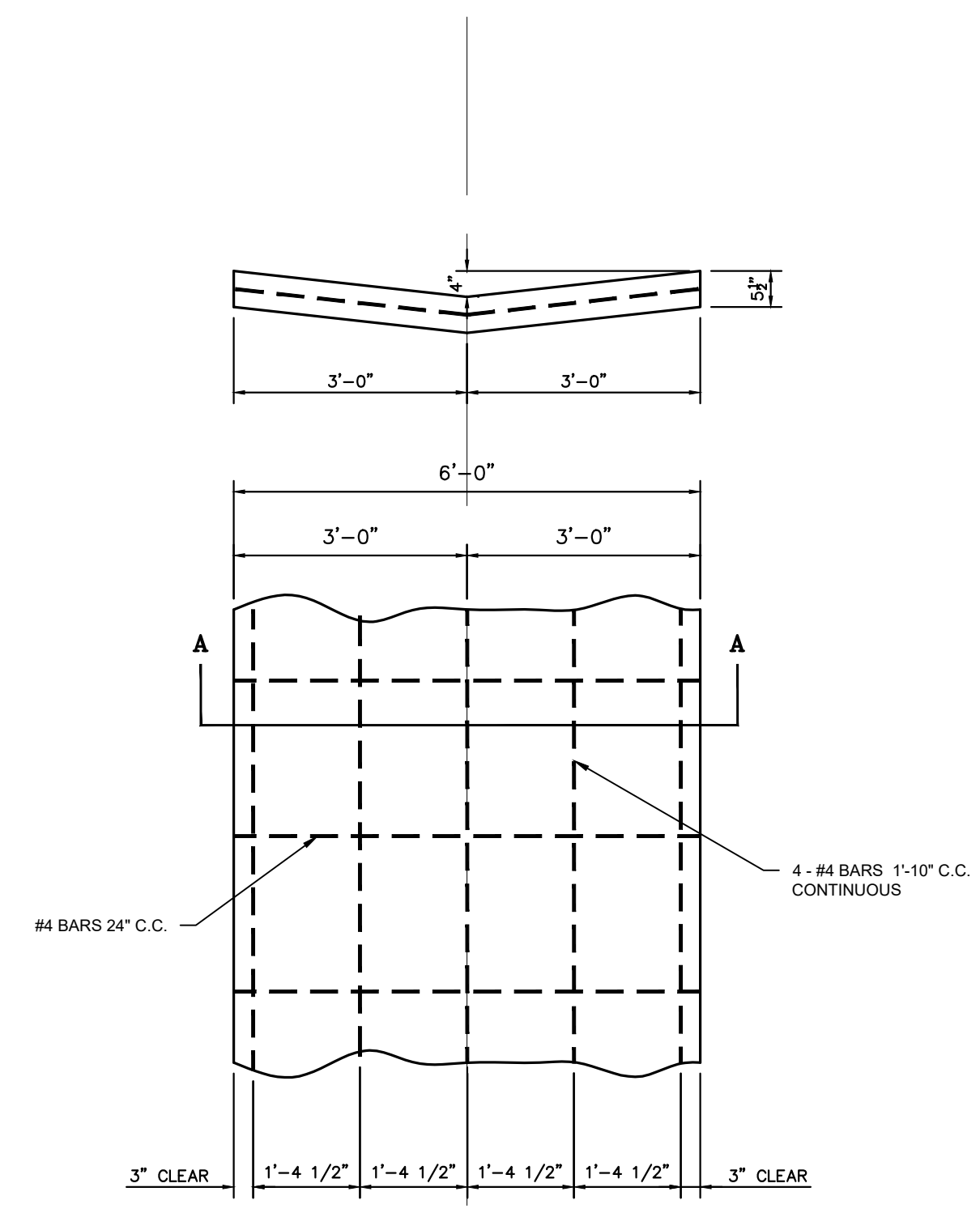
2 HYDRAULICS CALCULATIONS
NOT TO SCALE



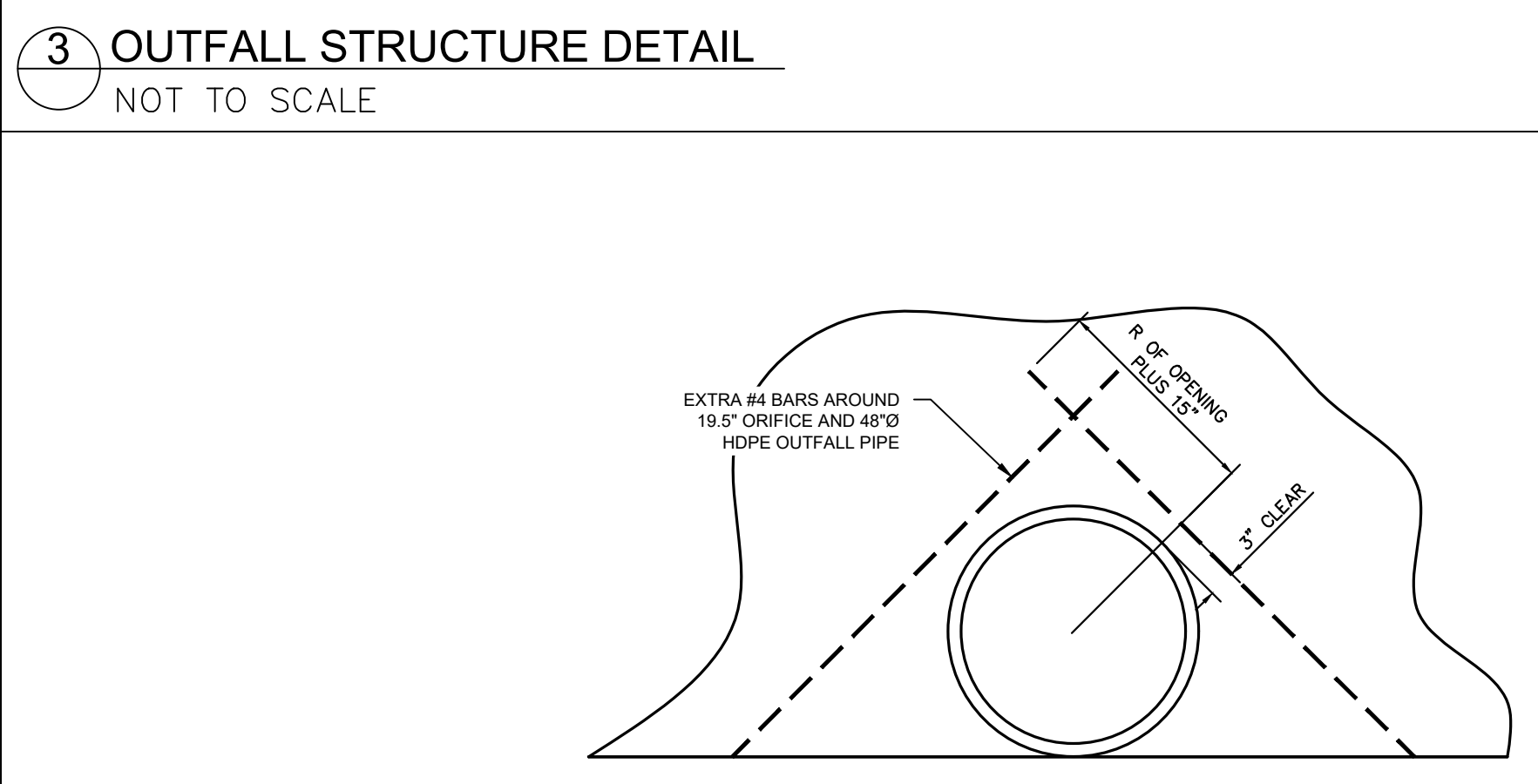
3 OUTFALL STRUCTURE DETAIL
NOT TO SCALE



5 OUTFALL STRUCTURE SECTION
NOT TO SCALE

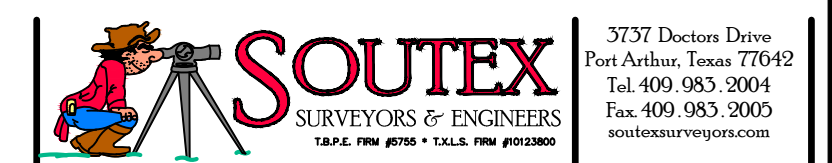


6 PILOT CHANNEL DETAIL
NOT TO SCALE



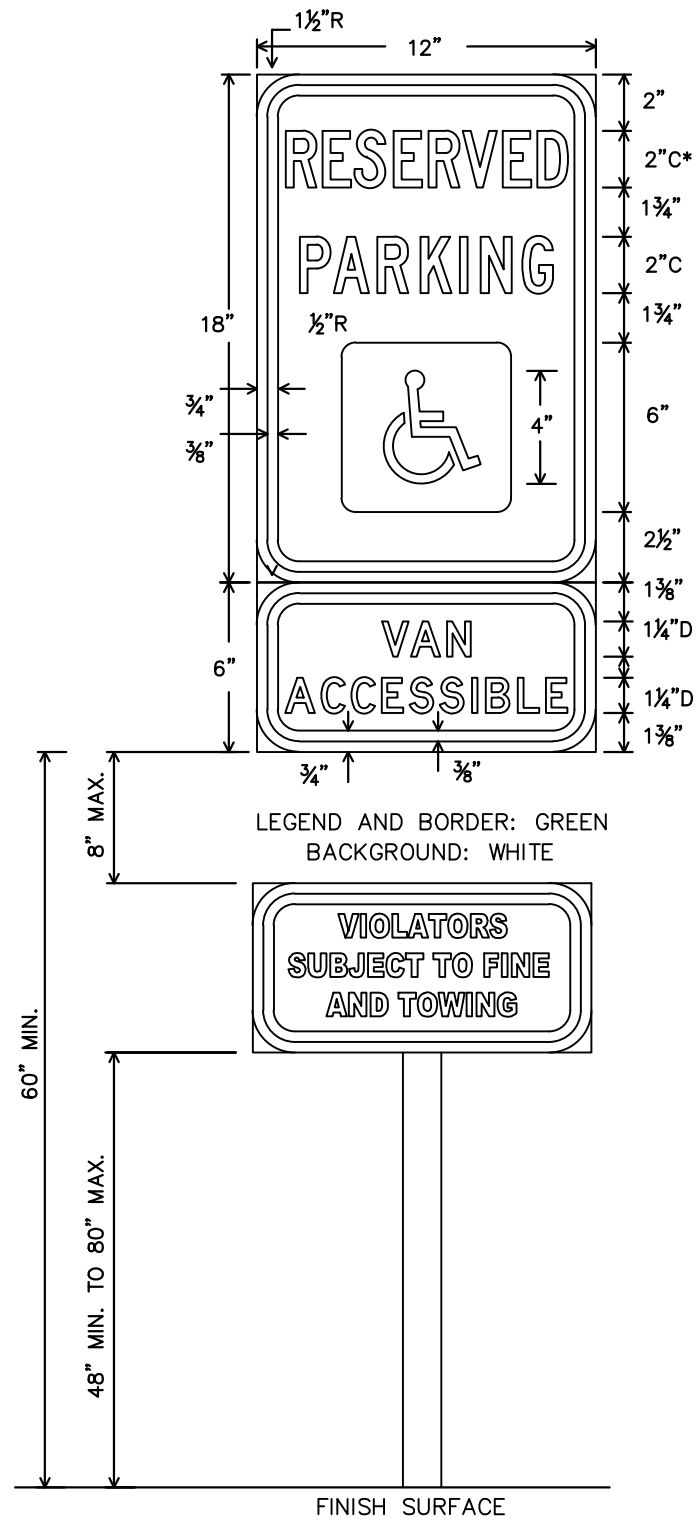
4 EXTRA ENFORCEMENT AROUND PIPE
NOT TO SCALE

SAVED DAWN
PLOT DATE: 8/2/2021 7:51 AM
PLOT: DAWN
SHEET SIZE: ARCH (Full bleed) D (36 in x 24 in) (inches)
\\net\svr\Software\AutoCAD\Projects\2020\20-0633_McCoy-Frst United Pentecostal Church - UCA\DWG\DDT\Detail - HAS PLAN SET SHEET.dwg Aug 06, 2021 - 7:50am Down



RESERVED PARKING, VAN ACCESSIBLE & VIOLATIONS SIGNS CAN ALL BE INCLUDED IN ONE SIGN OR BE INDIVIDUAL SIGNS.

LEGEND AND BORDER: GREEN
WHITE SYMBOL ON BLUE BACKGROUND
BACKGROUND: WHITE



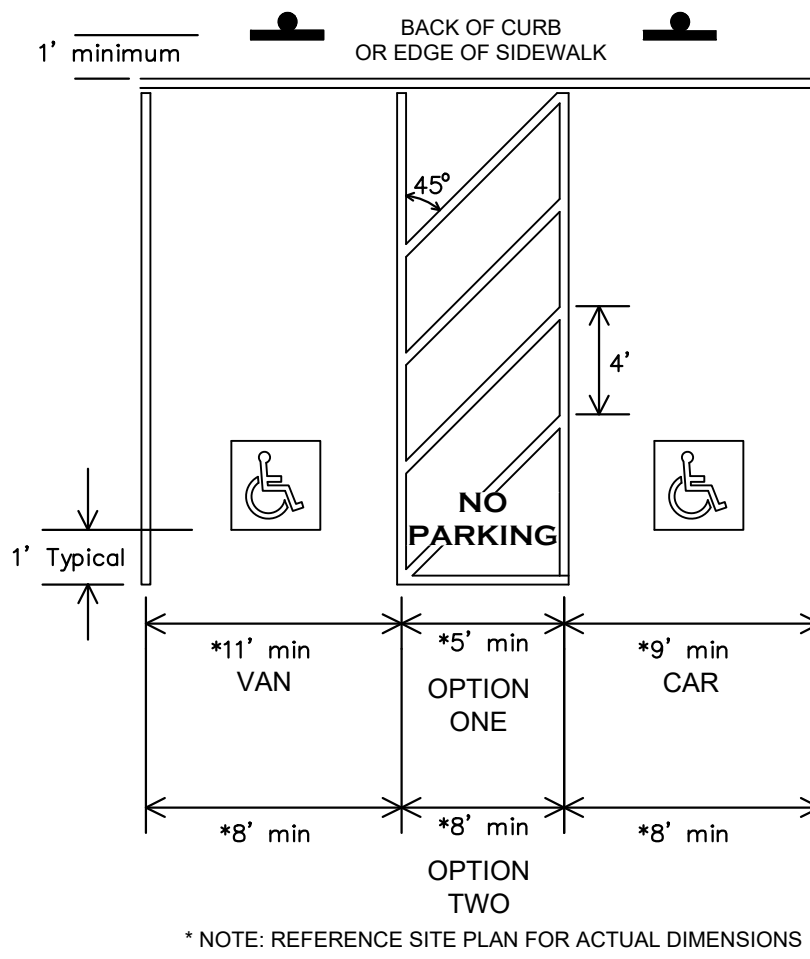
GENERAL SIGN NOTES:

- The Alphabet and lateral spacing between letters and numerals shall conform with the "Texas Manual and Uniform Traffic Control Devices for Streets and Highways", latest edition, and any approved changes thereto. Lateral spacing shall provide a balanced appearance.
- Legend shall be applied by screening process of black and/or transparent colored ink, cut-out black vinyl non-reflective decal sheeting and/or reflective sheeting or combination thereof. Background shall be white reflective sheeting. Signs shall be 0.08" thick aluminum alloy.

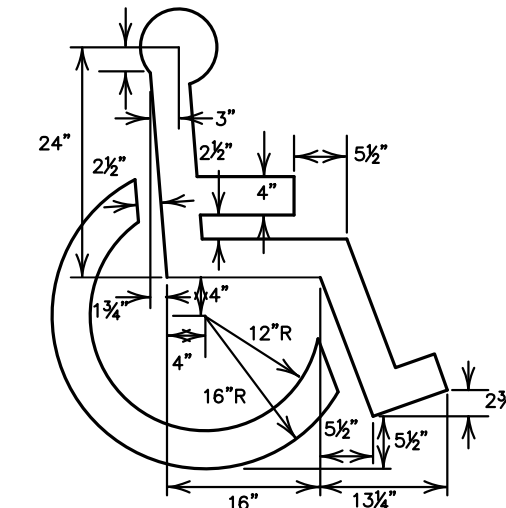
GENERAL PAVEMENT NOTES

- All parking space limit lines shall be 4" solid white lines.
- Aisle markings shall be white.
- Pavement marking symbols (with background):
 - are required
 - should be placed toward the rear end of the parking spaces so as to be visible to motorist in the travel lane.
 - may be painted or prefabricated material, and
 - shall be 30" x 30" minimum.
- With approval of the Engineer, prefabricated pavement marking symbols with background of other dimensions exceeding the 30" x 30" minimum may be used. Alternative designs shall conform to the illustrated colors for background, symbol and border.

ACCESSIBLE PARKING SPACES & ACCESS AISLES SHALL NOT SLOPE GREATER THAN 1:48 IN ANY DIRECTION

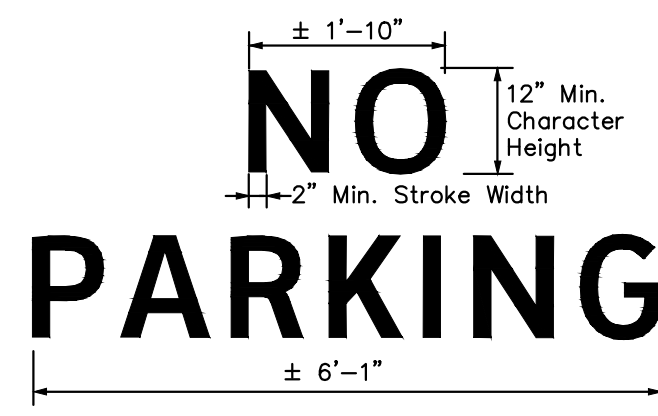


* NOTE: REFERENCE SITE PLAN FOR ACTUAL DIMENSIONS



Symbol Only SYMBOL: BLUE OR WHITE

TYPICAL ACCESSIBLE PARKING SPACE DIMENSIONS



TEXAS ACCESSIBILITY STANDARDS - CHAPTER 68 ADMINISTRATIVE RULES

- 608.104 Accessible Parking Spaces
- (a) A paved accessible parking space must include:
- the International Symbol of Accessibility painted conspicuously on the surface in a color that contrasts the pavement.
 - the words "NO PARKING" painted on an access aisle adjacent to the parking space. The words must be painted:
 - in all capital letters;
 - with a letter height of at least 12" and a stroke width of at least 2"; and
 - centered within each access aisle adjacent to the parking space; and
 - A sign identifying the consequences of parking illegally in a paved accessible parking space. The sign must:
 - at a minimum state "Violators Subject to Fine and Towing" in a letter height of at least 1";
 - be mounted on a pole, post, wall or freestanding board;
 - be no more than 8' below a sign required by Texas Accessibility Standards and
 - be installed so that the bottom edge of the sign is no lower than 48" and no higher than 80" above ground level.

TEXAS ACCESSIBILITY STANDARDS, CHAPTER 502 PARKING SPACES

- 502.1 General. Car and van parking spaces shall comply with 502. Where parking spaces are marked with lines, width measurements of parking spaces and access aisles shall be made from the centerline of the markings.
- Exception: Where parking spaces or access aisles are not adjacent to another parking space or access aisle, measurements shall be permitted to include the full width of the line defining the parking space or access aisle.
- 502.2 Vehicle Spaces. Car parking spaces shall be 96" wide minimum and van parking spaces shall be 132" wide minimum, shall be marked to define width, and shall have an adjacent access aisle complying with 502.3.
- Exception: Van parking spaces shall be permitted to be 96" wide minimum where the access aisle is 96" wide minimum.
- 502.3 Access Aisle. Access aisles serving parking spaces shall comply with 502.3. Access aisles shall adjoin an accessible route. Two parking spaces shall be permitted to share a common access aisle.
- 502.3.1 Width. Access aisles serving car and van parking spaces shall be 60" wide.
- 502.3.2 Length. Access aisles shall extend the full length of the parking spaces they serve.
- 502.3.3 Marking. Access shall be marked so as to discourage parking in them.
- 502.3.4 Location. Access aisles shall not overlap the vehicular way. Access aisles shall be permitted to be placed on either side of the parking space except for angled van parking spaces which shall have access aisles located on the passenger side of the parking spaces.
- 502.4 Floor or Ground Surfaces. Parking spaces and access aisles serving them shall comply with 302. Access aisles shall be at the same level as the parking spaces they serve. Changes in level are not permitted.
- Exception: Slopes not steeper than 1:48 shall be permitted.
- 502.5 Vertical Clearance. Parking spaces for vans and access aisles and vehicular routes serving them shall provide a vertical clearance of 98" minimum.
- 502.6 Identification. Parking space identification signs shall include the International Symbol of Accessibility complying with 703.2.1. Signs identifying van parking spaces shall contain the designation "van accessible". Signs shall be 60" minimum above the finish floor or ground surface measured to the bottom of the sign.
- 502.7 Relationship to Accessible Routes. Parking spaces and access aisles shall be designed so that cars and vans, when parked, cannot obstruct the required clear width of adjacent accessible routes.

3 ACCESSIBLE PARKING NOTES

NOT TO SCALE

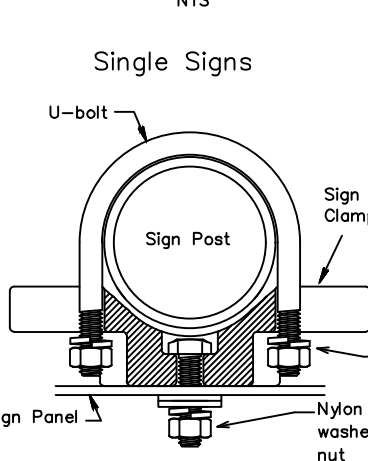
1 ACCESSIBLE PARKING SIGNAGE

NOT TO SCALE

2 ACCESSIBLE PARKING SPACE

NOT TO SCALE

TYPICAL SIGN ATTACHMENT DETAIL

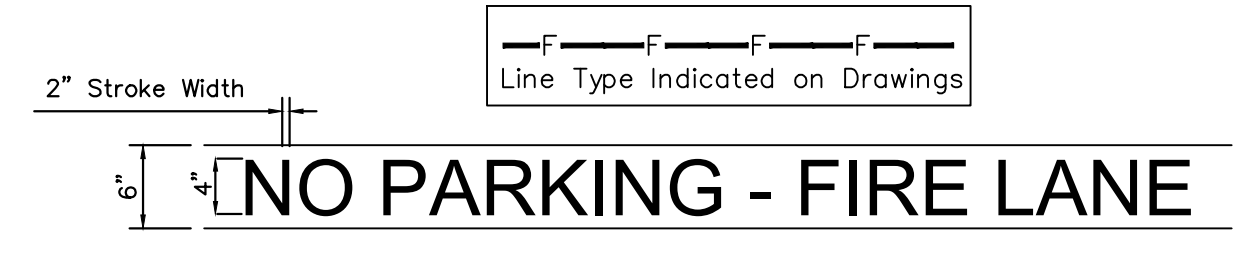


Boles used to mount sign panels to the clamp are 5/16"-18 UNC galvanized square head with nut, nylon washer, flat washer and lock washer. The bolt length is 1 inch for aluminum.

When two sign clamps are used to mount signs back-to-back, use a 5/16"-18 UNC galvanized hex head per ASTM A307 with nut and helical-spring lock washer. The appropriate bolt lengths for various post sizes and sign clamp types are given in the table of right. The bolt length may need to be adjusted depending upon field conditions.

Sign clamps may be either the specific size clamp or the universal clamp.

Pipe Diameter	Approximate Bolt Length	
	Specific Clamp	Universal Clamp
2" nominal	3"	3 or 3 1/2"
2 1/2" nominal	3 or 3 1/2"	3 1/2 or 4"
3" nominal	3 1/2 or 4"	4 1/2"

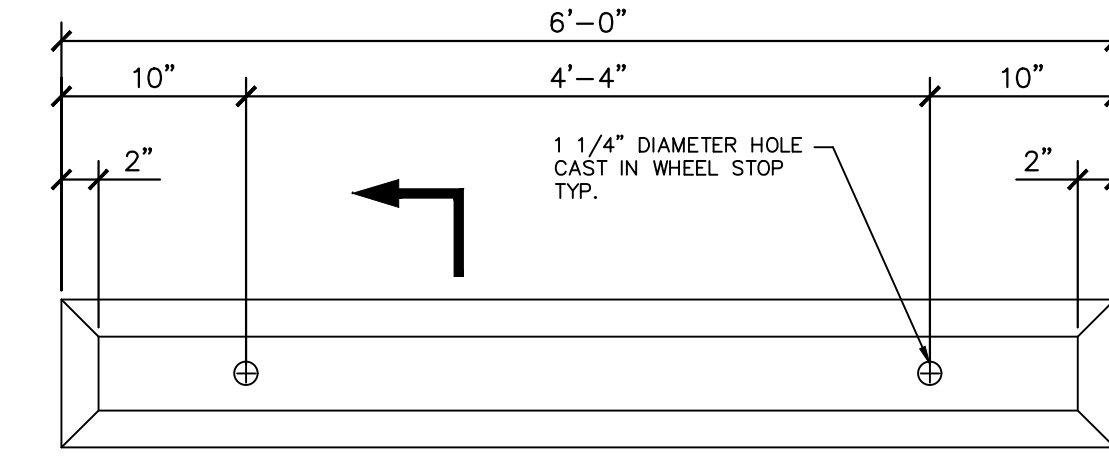


PAVEMENT STRIPING: COLOR SELECTED BY OWNER



5 LANE MARKINGS

NOT TO SCALE



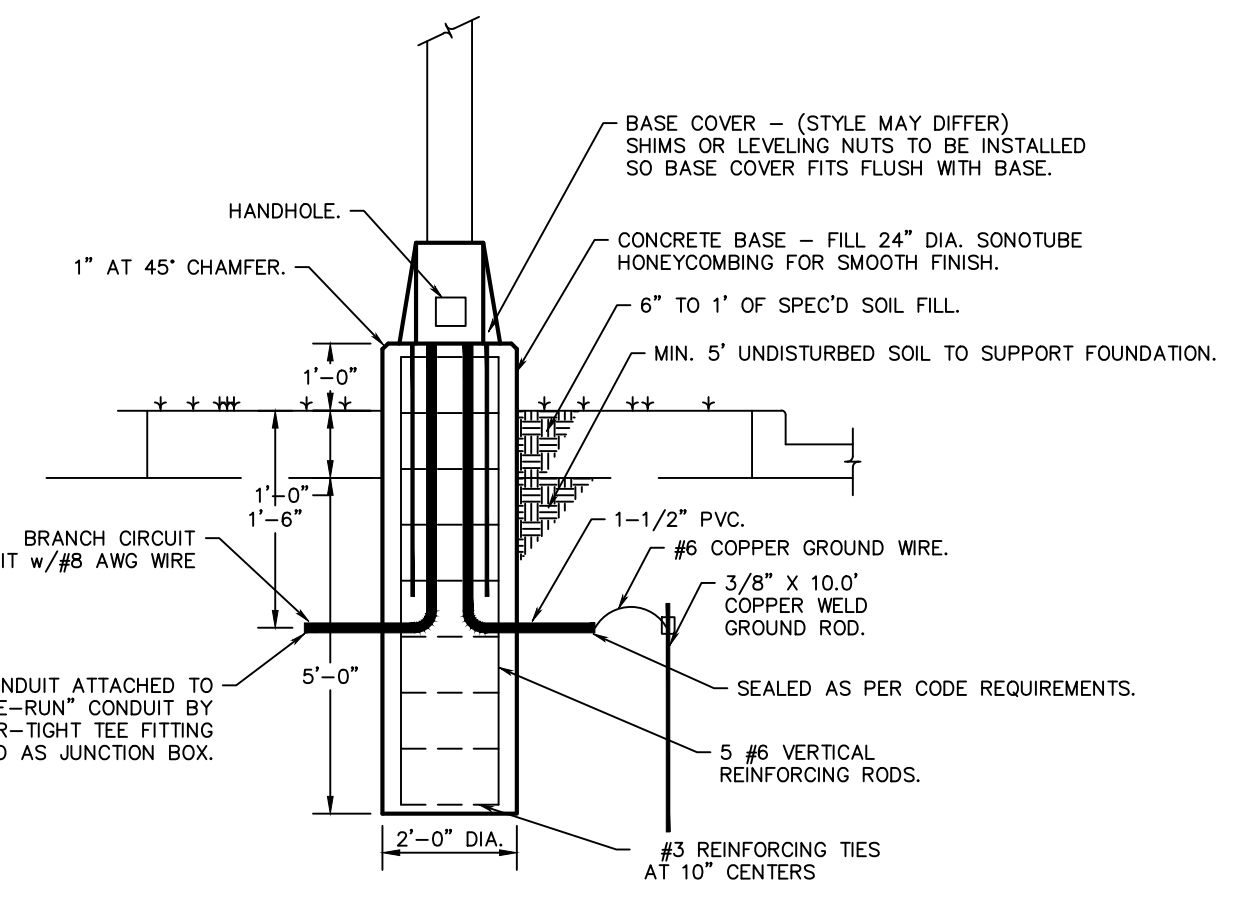
NOTE: WHEEL STOP TO BE CAST WITH 6 SACK 6000 PSI CONCRETE

2-#4 CONT. W/ #3 TIES @ 12" O.C. MAX.

5/8" x 1'-6" LG. REBAR DRIVEN INTO 5/8" HOLE DRILLED IN CONCRETE PAVING

6 PRECAST CONCRETE WHEEL STOPS

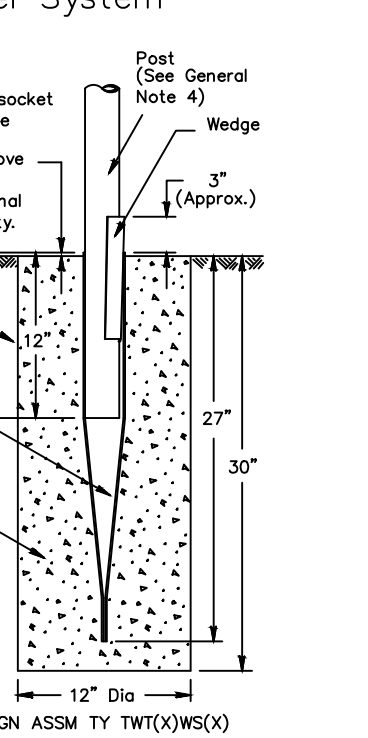
NOT TO SCALE



1 LIGHT POLE FOUNDATION DETAIL

NOT TO SCALE

Wedge Anchor Steel System



ANCHOR SYSTEM

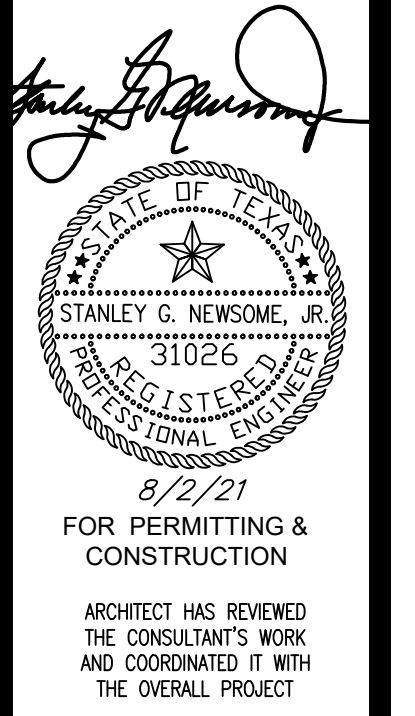
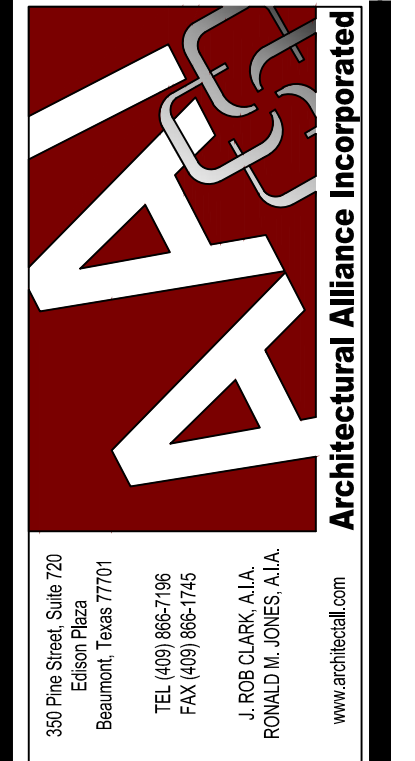
- The Wedge Anchor System and the Universal Anchor System with thin wall tubing post may be used to support up to 10 square feet of sign area.
- The tubular socket, wedge and prefabricated T-bracket shall be permanently marked to indicate manufacturer, method, design, and location of marking are subject to the approval of TxDOT Traffic Standards Engineer.
- Except for posts (13 BWG Tubing), clamps nuts and bolts, all components shall be prequalified.
- Material used as post with this system shall conform to the following specifications:
 - 13" BWG Tubing (2.375" outside diameter) (TWT), 0.095" nominal wall thickness.
 - Seamless or electric-resistance welded steel tubing. Steel shall be HSLAS Gr 55 per ASTM A1011 or ASTM A1008. Other steels may be used if they meet the following:
 - 55,000 PSI minimum yield strength
 - 70,000 PSI minimum yield strength
 - 18% minimum elongation in 2"
 - Wall thickness (uncolated) shall be within the range of .083" to .099". Outside diameter (uncolated) shall be within the range of 2.369" to 2.381"
 - Galvanization per ASTM 123 or ASTM A553 G210. For precast steel tubing (ASTM A653), recast tube outside diameter weld seam by metalizing with zinc wire per ASTM B653.
- Sign blanks shall be the sizes and shapes shown on the plans.
- Additional sign clamp required on the "T-bracket" post for 24" high signs. Place clamp at least 3" above bottom of sign when possible.
- Sign supports shall not be spliced except where shown. Sign support posts shall not be spliced.
- See the Traffic Operations Division website for detailed drawings of sign clamps and Wedge Anchor System components.

WEDGE ANCHOR SYSTEM INSTALLATION PROCEDURE

- Dig foundation hole. Where solid rock is encountered at ground level, the foundation shall be a minimum depth of 18". When solid rock is encountered below ground level, the foundation shall extend in the solid rock a minimum depth of 18" or provide a minimum foundation depth of 30". If solid rock is encountered, the socket/sub may be reduced in length as required to a minimum length of 18". Any material removed from the socket/sub shall be from the bottom and the clearance Requirements given on SMD(GEN) must be followed. The inner surfaces of the socket/sub must remain free of concrete or other debris.
- The Engineer may permit batches of concrete less than 2 cubic yards to be mixed with a portable, motor driven concrete mixer. For small 0.5 cubic yards, hand mixing in a suitable container may be allowed by Engineer. placements less than Place concrete into hole until it is approximately flush with the ground. Concrete shall be Class A.
- Insert tubular socket into concrete until top of socket is approximately 1/4" above the concrete footing.
- Plumb the socket. Allow a minimum 4 days for concrete to set, unless otherwise directed by Engineer.
- Attach the sign to the sign post.
- Insert the sign post into socket and align sign face with roadway/parking space.
- Drive the wedge into the socket to secure post. This will leave approximately 3 inches of the wedge exposed.

4 SIGN INSTALLATION DETAILS

NOT TO SCALE



8/2/21
FOR PERMITTING & CONSTRUCTION
ARCHITECT HAS REVIEWED THE CONSULTANT'S WORK AND COORDINATED IT WITH THE OVERALL PROJECT

UNITED CHRISTIAN ACADEMY
First Pentecostal Church
Highway 69
Nederland, TX 77627

ISSUED FOR SCHEMATIC DESIGN
DATE: X
DESIGN DEVELOPMENT
DATE: X
BIDS & CONSTRUCTION
DATE: 08/02/2021
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____
REVISION: _____
DATE: _____

DRAWINGS SHEET TITLE
DETAILS PARKING / SITE
SHEET NUMBER
C8.05
20105
PROJECT NUMBER



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