

NOTES:

1. ALL NEW WORK SHOWN IN THESE PLANS SHALL COMPLY WITH APPLICABLE STATE, FEDERAL AND LOCAL BUILDING AND UTILITY INSTALLATION CODES.
2. NO WORK SHALL COMMENCE, INCLUDING DEMOLITION, UNTIL ALL APPLICABLE EROSION CONTROL MEASURES HAVE BEEN INSTALLED, INSPECTED BY THE PROJECT ENGINEER, AND APPROVED.
3. EROSION CONTROL DEVICES ARE TO BE INSTALLED PRIOR TO ANY CLEARING OR EARTHWORK OPERATIONS AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION AND UNTIL PERMANENT GROUND COVER IS ESTABLISHED IN ALL DISTURBED AREAS.
- DEMOLITION NOTES:**
1. ALL DEMOLITION TO BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.
2. TREES FOR REMOVAL ARE MARKED WITH A DEMOLITION "X".
3. CLEAR AND GRUB ALL AREAS WITHIN POND AND ROADWAY FOOTPRINTS.

FLOOD ZONE NOTE:

ACCORDING TO THE FEDERAL INSURANCE ADMINISTRATION FLOOD HAZARD BOUNDARY MAP NO. 12023C0382D, DATED NOVEMBER 2, 2018, THE ABOVE DESCRIBED PROPERTY IS LOCATED IN FLOOD HAZARD AREAS "X-UNSHADED" AS DETERMINED BY GRAPHIC SCALING.

BENCHMARK INFORMATION:

TBM #1 - X MARK ON BOLT (MUE"BOLT"LLER)
ELEV = 94.17'

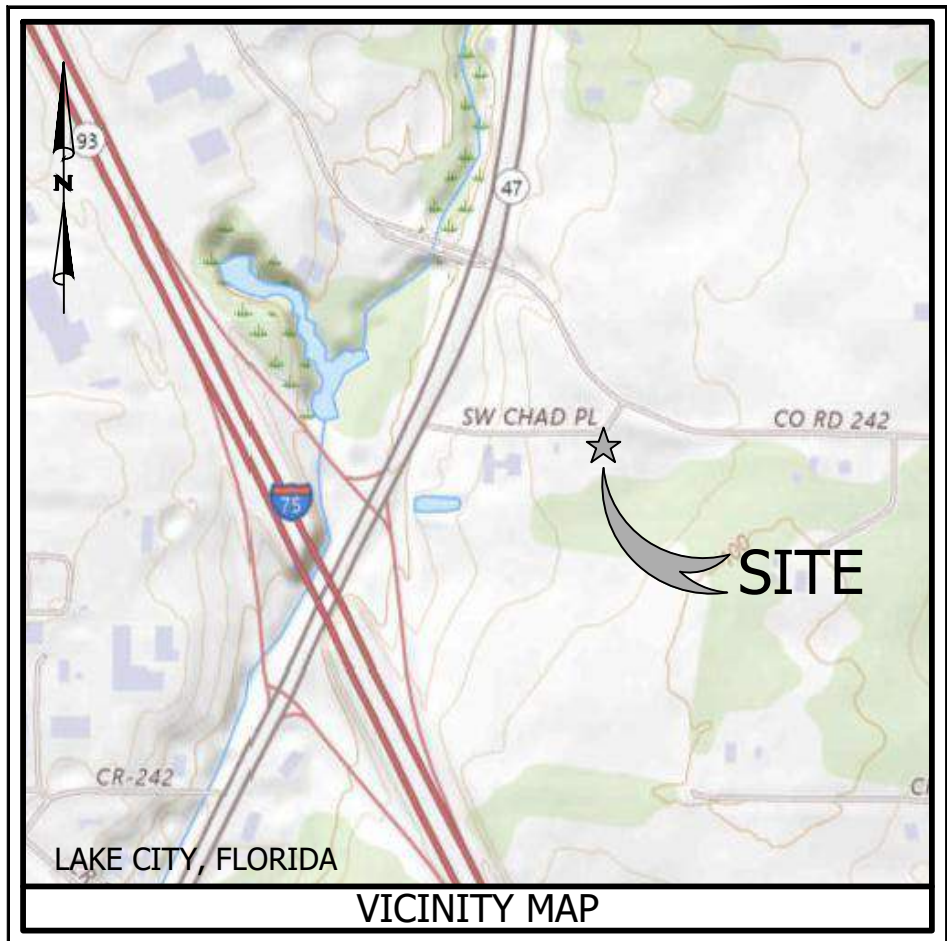
LEGAL DESCRIPTION:

PARCEL 1:
COMMENCE AT THE NORTHEAST CORNER OF THE NORTHWEST QUARTER OF SECTION 30, TOWNSHIP 4 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA; THENCE SOUTH 00°17'22" EAST A DISTANCE OF 21.65 FEET TO A POINT ON THE NORTH MARGIN OF THE RIGHT OF WAY OF COUNTY ROAD 242A FOR THE POINT OF BEGINNING OF THE PROPERTY HEREIN DESCRIBED AND MARKED BY A CAPPED IRON ROD (REBAR); THENCE DEPARTING SAID SOUTH MARGIN SOUTH 01°05'22" EAST A DISTANCE OF 414.75 FEET TO A POINT MARKED BY A CONCRETE MONUMENT; THENCE NORTH 89°55'22" WEST A DISTANCE OF 629.81 FEET TO A POINT MARKED BY A CONCRETE MONUMENT; THENCE NORTH 01°04'10" WEST A DISTANCE OF 264.18 FEET TO A POINT MARKED BY A CAPPED IRON ROD (REBAR); THENCE SOUTH 89°53'03" EAST A DISTANCE OF 292.16 FEET TO A POINT MARKED BY A CAPPED IRON ROD (REBAR); THENCE NORTH 01°09'13" WEST A DISTANCE OF 150.99 FEET TO A POINT MARKED BY A CAPPED IRON ROD (REBAR); THENCE SOUTH 89°53'08" EAST A DISTANCE OF 337.73 FEET TO THE POINT OF BEGINNING, CONTAINING 217.173 SQUARE FEET, (4.986 ACRES), MORE OR LESS.

PARCEL 2:
EASEMENT AS SET FORTH IN THAT CERTAIN GRANT OF EASEMENT AS RECORDED IN BOOK 1489, PAGE 1282 OF OFFICIAL RECORDS IN COLUMBIA COUNTY, FLORIDA.

Perry
C
Jinright

Digitally signed by Perry C
Jinright
DN: C=US, O=Unaffiliated,
dnQualifier=A01410D0000
018E0B668893000C0126,
CN=Perry C Jinright
Reason: I have reviewed
this document
Location:
Date: 2025-03-27 16:09:
11
Foxit PhantomPDF
Version: 9.3.0



LEGEND

- AXLE
CMF
OTF
CRF
CRS
- CENTERLINE
EXIST. PROPERTY LINE
PROPERTY LINE (ADJACENT)
EXIST. EASEMENT LINE
EXIST. OVERHEAD UTILITY AND UTILITY POLE
EXIST. GUY WIRE AND UTILITY POLE
EXIST. WATER LINE
EXIST. SANITARY SEWER LINE
EXIST. GAS LINE
EXIST. UNDER GROUND CABLE LINE
EXIST. FIBER OPTIC CABLE LINE
EXIST. TELEPHONE LINE
EXIST. FENCE LINE
EXIST. PIPE
EXIST. 5 FOOT CONTOUR
EXIST. GRADE SPOT ELEVATION
EXIST. POWER POLE
EXIST. LIGHT POLE
EXIST. ELECTRICAL BOX
EXIST. WATER METER
EXIST. WATER VALVE
EXIST. WATER WELL
EXIST. FIRE HYDRANT
EXIST. SANITARY SEWER MANHOLE
EXIST. GAS VALVE
EXIST. GAS LINE MARKER
EXIST. FIBER OPTIC CABLE BOX
EXIST. FIBER OPTIC CABLE POST
EXIST. FIBER OPTIC CABLE MANHOLE
EXIST. TELEPHONE BOX
EXIST. STORM SEWER MANHOLE
- EXIST. ASPHALT PAVING
EXIST. CONCRETE
EXIST. GRAVEL
TO BE REMOVED
TO BE REMOVED
TO BE REMOVED

INDEX TO SHEETS:

SHEET	DESCRIPTION
C1	EXISTING CONDITIONS & DEMOLITION PLAN
C2	SITE PLAN
C3	GEOMETRIC LAYOUT & UTILITY PLAN
C4	GRADING & DRAINAGE PLAN
C5	STORM PLAN & PROFILE
C6	POND PLAN & PROFILE
C7	CIVIL CONSTRUCTION NOTES
C8	CIVIL CONSTRUCTION DETAILS (1)
C9	CIVIL CONSTRUCTION DETAILS (2)
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C11	CIVIL CONSTRUCTION DETAILS (4)
C12	EROSION CONTROL PLAN
C13	EROSION CONTROL DETAILS
C14	EMERGENCY ACCESS PLAN

PREPARED FOR:

HSC LAKE CITY SOUTH, LLC
P.O. BOX 130
DAPHNE, AL 36526
(251) 243-0708
(251) 252-9898 (FAX)

SURVEY PROVIDED BY:



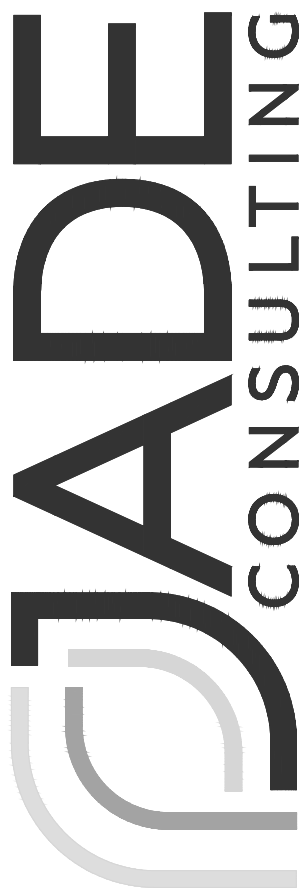
UTILITY INFORMATION

CONTRACTOR SHALL HAVE ALL EXISTING BURIED UTILITIES "LINE SPOTTED" BY CALLING 1-800-432-4770 (SUNSHINE 811) OR BY CONTACTING LOCAL UTILITY COMPANIES

WATER:	CITY OF LAKE CITY SHASTA M. PELHAM 173 NW HILLSBORO ST. LAKE CITY, FL 32055 PHONE: 386-719-5786
POWER:	CLAY ELECTRIC CRAIG WACHA 1797 FL-47 N LAKE CITY, FL 32025 PHONE: 386-752-7447

EXISTING UTILITIES DISCLAIMER:

EXISTING UTILITIES INDICATED ON THESE PLANS ARE BASED ON AVAILABLE INFORMATION. CONTRACTOR IS REQUIRED TO VERIFY LOCATION, BURY DEPTH, SIZE AND MATERIAL TYPE PRIOR TO ANY UTILITY IMPROVEMENTS. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES THAT ARE FOUND.



Jinright & Associates Development Engineers
208 Greens Road North
Fairhope, Alabama 36532
P.O. Box 1129
Fairhope, Alabama 36535
Phone: (251) 928-3445 Fax: (251) 928-3665
jadesengineers.com



NO.	REVISION	DATE	APPR.
1.	ISSUE FOR SCHEDULE 1	3/27/25	

EXISTING CONDITIONS & DEMOLITION PLAN
TSC LAKE CITY SOUTH, FL
HSC LAKE CITY SOUTH LLC

JOB NO: 24-1941.20
SCALE: 1" = 30'
DATE: MARCH 2025
DRAFTER: JP/TVML
SHEET: C1

NOTES TO CONTRACTOR:

1. EVERY EFFORT HAS BEEN MADE TO ENSURE THAT THE BUILDING INDICATED IN THESE DRAWINGS MATCHES THE ARCHITECTS LATEST BUILDING AND FOUNDATION PLAN. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONFIRM THE AGREEMENT BETWEEN THE BUILDING FOOT PRINT SHOWN IN THESE PLANS AND THE ARCHITECTS BUILDING FOOTPRINT AND FOUNDATION PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
2. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ANY EXISTING SLOPES AND INFRASTRUCTURES ON THE SITE (I.E. PONDS, INLETS, ETC.).
3. CONTRACTOR TO VIDEO ALL EXISTING SEWER AND DRAIN LINES TO ENSURE THEY ARE CLEAR AND IN PROPER WORKING ORDER. PROVIDE VIDEO TO THE OWNER.
4. AFTER THE STORM DRAIN SYSTEM IS COMPLETED THE CONTRACTOR SHALL VIDEO THE SYSTEM AND SUBMIT VIDEO TO THE OWNER FOR REVIEW.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE SITE FOR THE DURATION OF THE PROJECT.
6. ALL EARTHWORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH GEOTECHNICAL RECOMMENDATIONS.
7. ALL CONDUIT LOCATIONS FOR POWER, TELEPHONE, AND CABLE SHALL BE COORDINATED WITH ARCHITECTURAL PLANS AND LOCAL UTILITY PROVIDERS.

PARKING STRIPING NOTE:

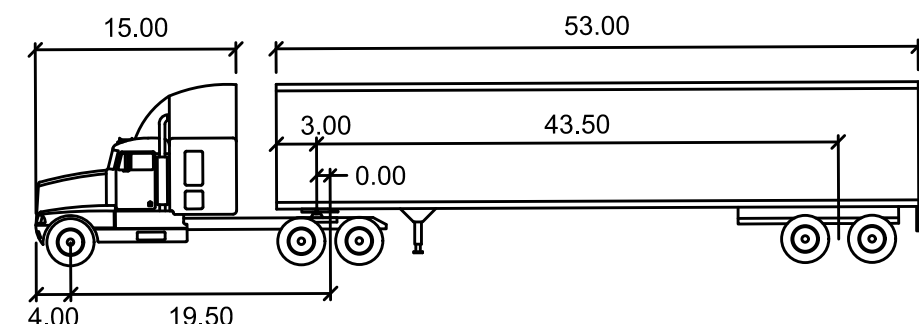
PARKING STRIPES ON CONCRETE SHOULD ALWAYS BE YELLOW AND PARKING STRIPES ON ASPHALT SHOULD ALWAYS BE WHITE UNLESS OTHERWISE SPECIFIED IN THE CONSTRUCTION DOCUMENTS.

PROPOSED JOINT LAYOUT:

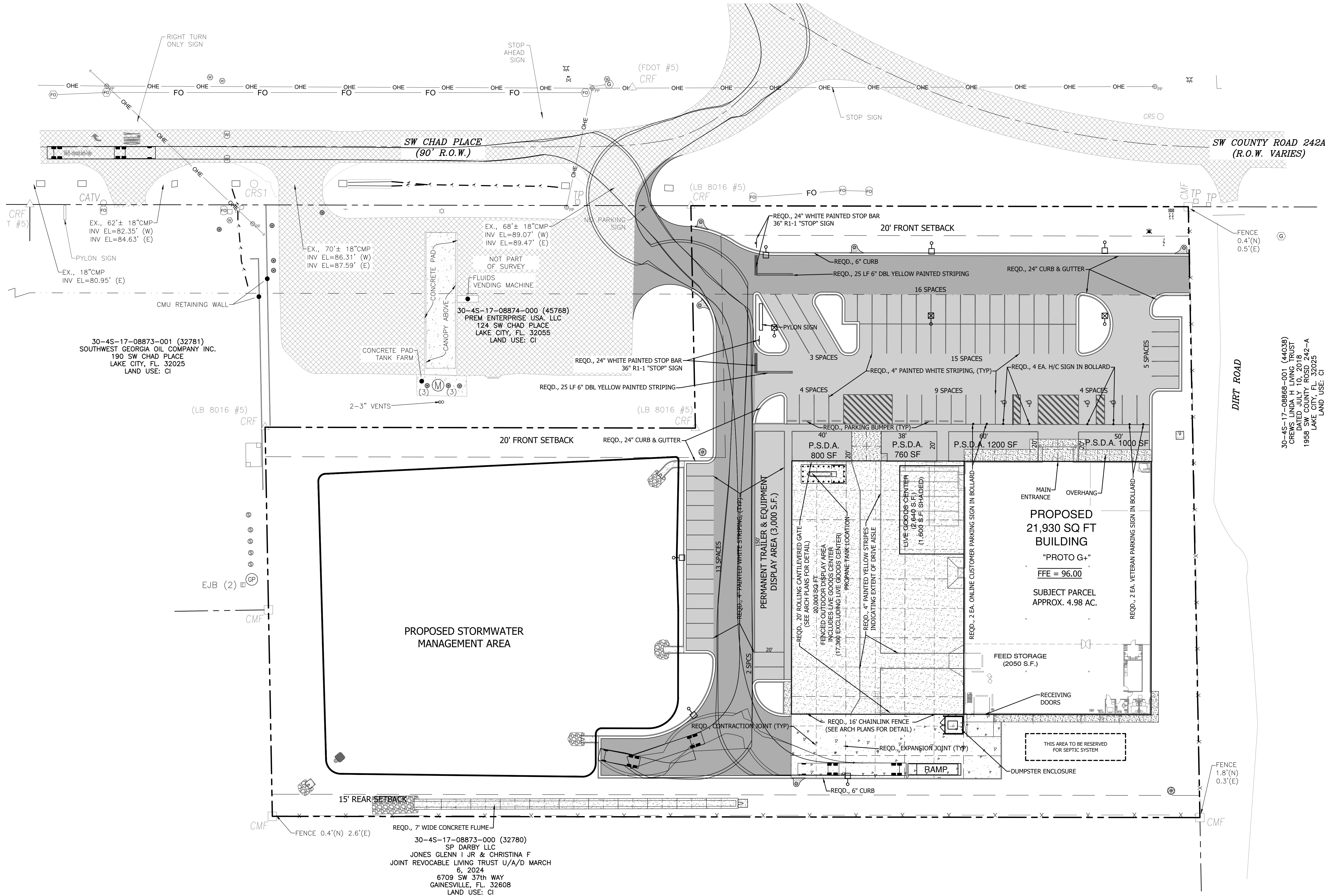
- PROPOSED CONTRACTION/SAWCUT JOINT
- PROPOSED EXPANSION JOINT

SPEED
LIMIT
45

POSTED SPEED LIMIT



WB-65	feet		
Tractor Width	: 8.00	Lock to Lock Time	: 6.00
Tractor Track	: 8.50	Steering Angle	: 28.40
Tractor Track	: 8.00	Articulating Angle	: 70.00
Tractor Track	: 8.50		



LEGEND

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- CMF
- OTF
- CRF
- CRS
- CENTERLINE
- EXIST. PROPERTY LINE
- PROPERTY LINE (ADJACENT)
- EXIST. EASEMENT LINE
- OHE
- GUY
- WV
- SS
- GAS
- UGC
- FO
- TEL
- BENCHMARK
- EXISTING AXLE FOUND
- CONCRETE MONUMENT FOUND
- OPEN TOP IRON PIPE FOUND
- CAPPED ROD FOUND
- CAPPED ROD SET
- RIGHT-OF-WAY
- EXIST. OVERHEAD UTILITY AND UTILITY POLE
- EXIST. GUY WIRE AND UTILITY POLE
- EXIST. WATER LINE
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- PROPOSED LIGHT DUTY CONCRETE (BROOM FINISH)
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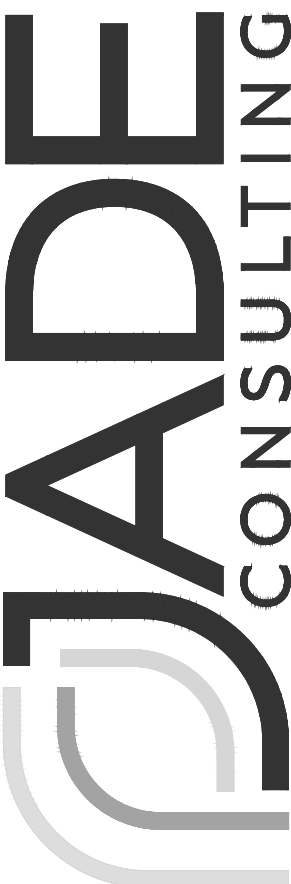
THIS SHEET HAS BEEN DIGITALLY SIGNED AND SEALED BY PERRY CLOZE
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND
VALID UNLESS THE SIGNATURE AND SEAL ARE REPRODUCED EXACTLY AS SHOWN

30-4S-17-08873-001 (32781)
SOUTHWEST GEORGIA OIL COMPANY INC.
190 SW CHAD PLACE
LAKE CITY, FL 32025
LAND USE: CI

30-4S-17-08873-000 (32780)
SP DARBY LLC
JONES GLENN I JR & CHRISTINA F
JOINT REVOCABLE LIVING TRUST U/A/D MARCH
6, 2024
6709 SW 37th WAY
GAINESVILLE, FL 32608
LAND USE: CI

SITE DATA TABLE

STATE OF FLORIDA COUNTY OF COLUMBIA CITY OF LAKE CITY		
TAX PARCEL ID:	30-4S-17-08874-001	
ZONING:	C-1 (GENERAL BUSINESS)	
ACERAGE:	APPROX. 4.89 ACRES	
PROPOSED COVERAGE:	±11% (APPROX. 23,530 SF)	
BUILDING SETBACKS:		
FRONT:	20'	
SIDE:	N/A	
REAR:	15'	
LANDSCAPE BUFFERS:		
FRONT:	N/A	
SIDE:	N/A	
REAR:	N/A	
PARKING STANDARDS:		
VEHICLE PARKING:	REQUIRED:	PROVIDED:
	21,930 SF / 350 SF + 26,760 SF / 1000 SF = <u>90</u> SPACES	70 SPACES (INC. 4 H/C) *VARIANCE V241104 APPROVED ON 12-12-24 AT BOA MEETING



Jinright & Associates Development Engineers
208 Green Road North
Fairhope, Alabama 36532
P.O. Box 1929
Fairhope, Alabama 36535
Phone: (251) 928-3443
Fax: (251) 928-3665
jadesengineers.com
FL CA-27024



NO.	REVISION	DATE	APPR.
1.	ISSUE FOR SCHEDULE 1	3/27/25	

SITE PLAN
TSC LAKE CITY SOUTH, FL
HSC LAKE CITY SOUTH LLC

JOB NO: 24-1941.20
SCALE: 1" = 30'
DATE: MARCH 2025
DRAFTER: JP/TVM
SHEET: C2

NOTES TO CONTRACTOR:

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DIMENSION NOTE:

DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.

UTILITY NOTE:

CONTRACTOR TO STUB OUT UTILITIES TO WITHIN 5' OF BUILDING. COORDINATE WITH PLUMBING PLANS FOR CONNECTION.

PROPOSED JOINT LAYOUT:

- PROPOSED CONTRACTION/SAWCUT JOINT
- PROPOSED EXPANSION JOINT

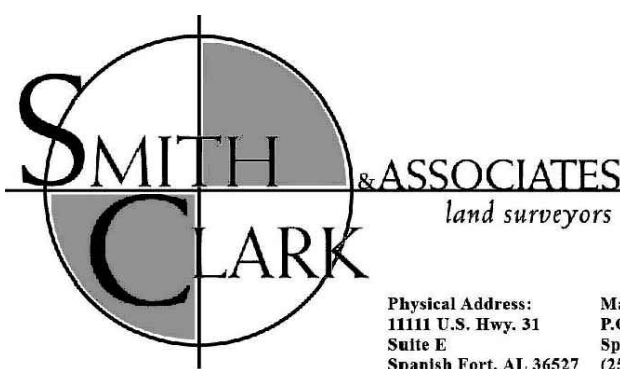
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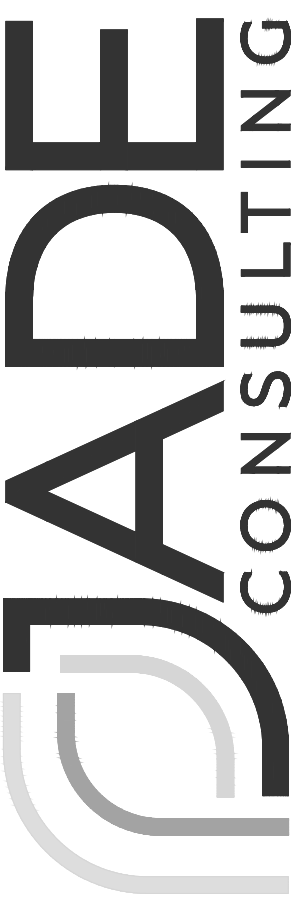
BENCHMARK INFORMATION:

- TBM #1 - X MARK ON BOLT (MUE"BOLT"LLER)
- ELEV = 94.17'

SURVEY PROVIDED BY:



Physical Address: 2418 S. Hwy. 31
Smith & Associates, Inc.
Smith & Associates, Inc.
Smith & Associates, Inc.



Jinright & Associates Development Engineers
208 Green Road North
Fairhope, Alabama 36532
P.O. Box 1293
Fairhope, Alabama 36535
Phone: (251) 928-3443
Fax: (251) 928-3605
jadesengineers.com



NO.	REVISION	DATE	APPR.
1.	ISSUE FOR SCHEDULE I	3/27/25	

GEOMETRIC LAYOUT & UTILITY PLAN
TSC LAKE CITY SOUTH, FL
HSC LAKE CITY SOUTH LLC

JOB NO: 24-1941.20
SCALE: 1" = 30'
DATE: MARCH 2025
DRAFTER: JP/TVML
SHEET: C3

UTILITY INFORMATION

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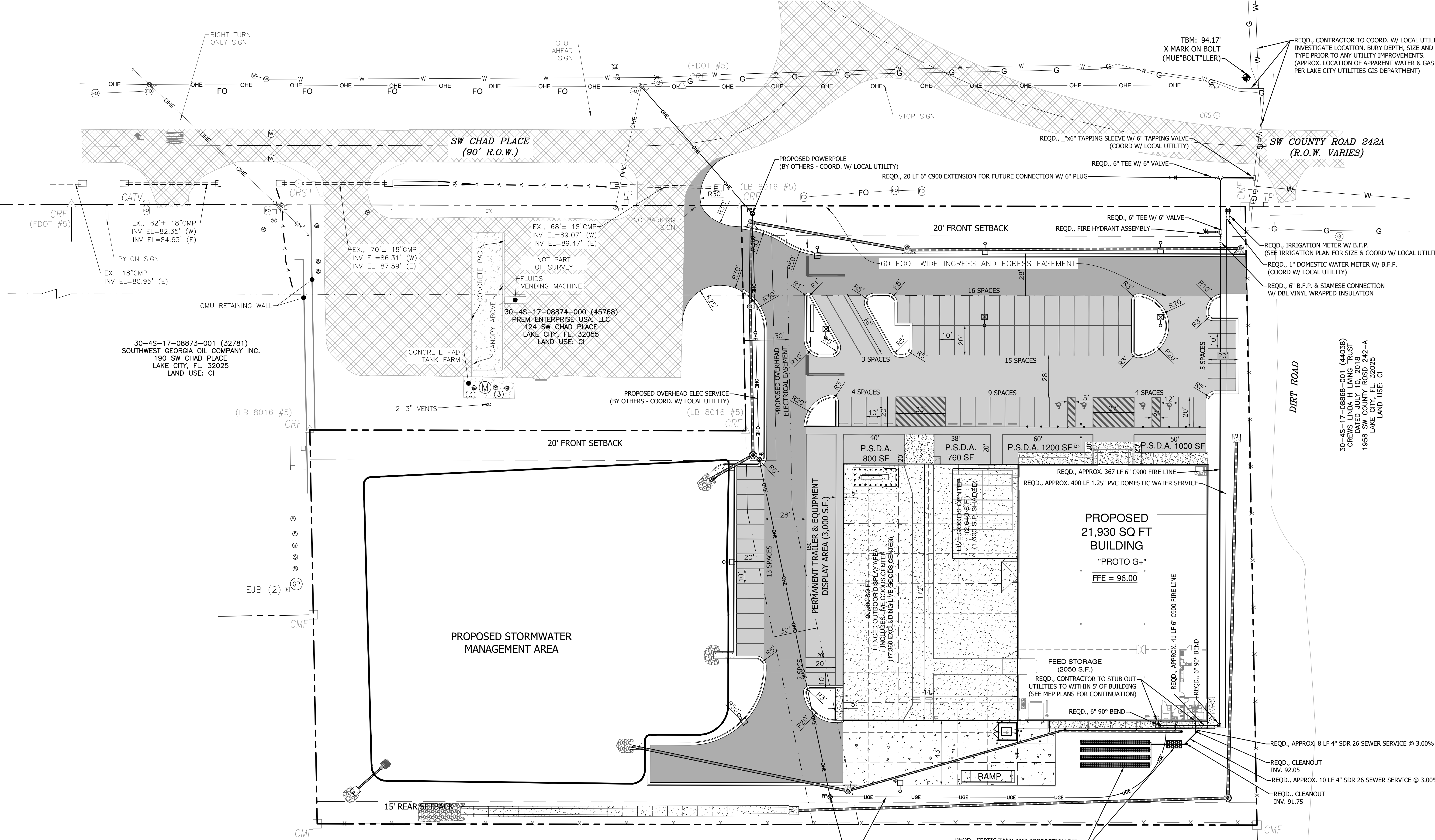
WATER & GAS:	CITY OF LAKE CITY SHASTA M. PELHAM 173 NW HILLSBORO ST. LAKE CITY, FL 32055 PHONE: 386-719-5786 pelham@icfla.com
POWER:	CLAY ELECTRIC CRAIG WACHA 1797 FL 47 N LAKE CITY, FL 32025 PHONE: 386-961-0106 or 386-752-7447 (OFFICE) 386-867-1978 (CELL) cwacha@clayelectric.com
TELEPHONE:	AT&T FLORIDA SCOTT A. PEELER 400 SW 2ND AVE GAINESVILLE, FL 32601 PHONE: 352-213-4188 sp9109@att.com

EXISTING UTILITIES DISCLAIMER:

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30-4S-17-08873-000 (32780)
SP DARBY LLC
JONES GLENN I JR & CHRISTINA F
JOINT REVOCABLE LIVING TRUST U/A/D MARCH
6, 2024
6709 SW 37th WAY
GAINESVILLE, FL 32608
LAND USE: CI



30-4S-17-08873-001 (32781)
SOUTHWEST GEORGIA OIL COMPANY INC.
190 SW CHAD PLACE
LAKE CITY, FL 32025
LAND USE: CI

30-4S-17-08873-001 (44038)
CREWS LINDA H LIVING TRUST
DATED JULY 10, 2018
1955 SW COUNTY ROAD 242-A
LAKE CITY, FL 32025
LAND USE: CI

NOTES TO CONTRACTOR:

1. EVERY EFFORT HAS BEEN MADE TO ENSURE THAT THE BUILDING INDICATED IN THESE DRAWINGS MATCHES THE ARCHITECTS LATEST BUILDING AND FOUNDATION PLAN. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONFIRM THE AGREEMENT BETWEEN THE BUILDING FOOT PRINT SHOWN IN THESE PLANS AND THE ARCHITECTS BUILDING FOOTPRINT AND FOUNDATION PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
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7. ALL CONDUIT LOCATIONS FOR POWER, TELEPHONE, AND CABLE SHALL BE COORDINATED WITH ARCHITECTURAL PLANS AND LOCAL UTILITY PROVIDERS.

AS BUILT/RECORD DRAWINGS:

1. CONTRACTOR SHALL PROVIDE ENGINEER OF RECORD TWO SIGNED AND SEALED COPIES OF AS-BUILT DRAWINGS OF ALL FINISHED IMPROVEMENTS. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS OF ALL FINISHED IMPROVEMENTS IN PDF AND DWG FORMAT.
2. AS-BUILT DRAWINGS TO BE PERFORMED AND CERTIFIED BY A FLORIDA LICENSED PROFESSIONAL LAND SURVEYOR.
3. AS-BUILT DRAWINGS SHALL BE SUBMITTED AFTER COMPLETION OF ALL IMPROVEMENTS AND PRIOR TO FINAL INSPECTION.
4. AS BUILT DRAWINGS SHALL INCLUDE, BUT NOT BE LIMITED TO:
 - A. DETAIL OF THE POND CONTROL STRUCTURE INCLUDING STRUCTURE TYPE, STRUCTURE SIZE, INVERT OF ALL PIPES, ORIFICES, WEIRS AND THE INVERT CONNECTIONS AT OFF-SITE CONVEYANCE SYSTEMS, GRATES AND SKIMMERS.
 - B. POND CONSTRUCTION DETAILS SHOWING THE POND TOPOGRAPHY, TOP OF THE POND BERM/WALL AND POND BOTTOM ELEVATIONS AND THE LOCATION OF SAND FILTERS.
 - C. SHOW ENTIRE STORM WATER CONVEYANCE SYSTEM INCLUDING THE SIZE TYPE AND INVERT OF ALL PIPES, CHANNELS, ROOF DRAIN SYSTEMS, STRUCTURES, CURBING AND SPOT SHOT ELEVATIONS IN VEHICLE USE AREAS. DRAINAGE STRUCTURES SHALL INCLUDE "X" AND "Y" COORDINATES.
 - D. SHOW ALL TRAFFIC CONTROL DEVICES INCLUDING SIGNS, SIGNALS, PARKING STRIPING AND PAVEMENT MARKINGS.
 - E. DELINEATE CONSERVATION AND DRAINAGE EASEMENT BOUNDARIES AND LABEL WITH THE "OR" BOOK AND PAGE NUMBER.D
 - F. ANY ADDITIONAL ITEMS REQUIRED BY PERMITTING JURISDICTION.

FOUNDATION FOOTING NOTE:

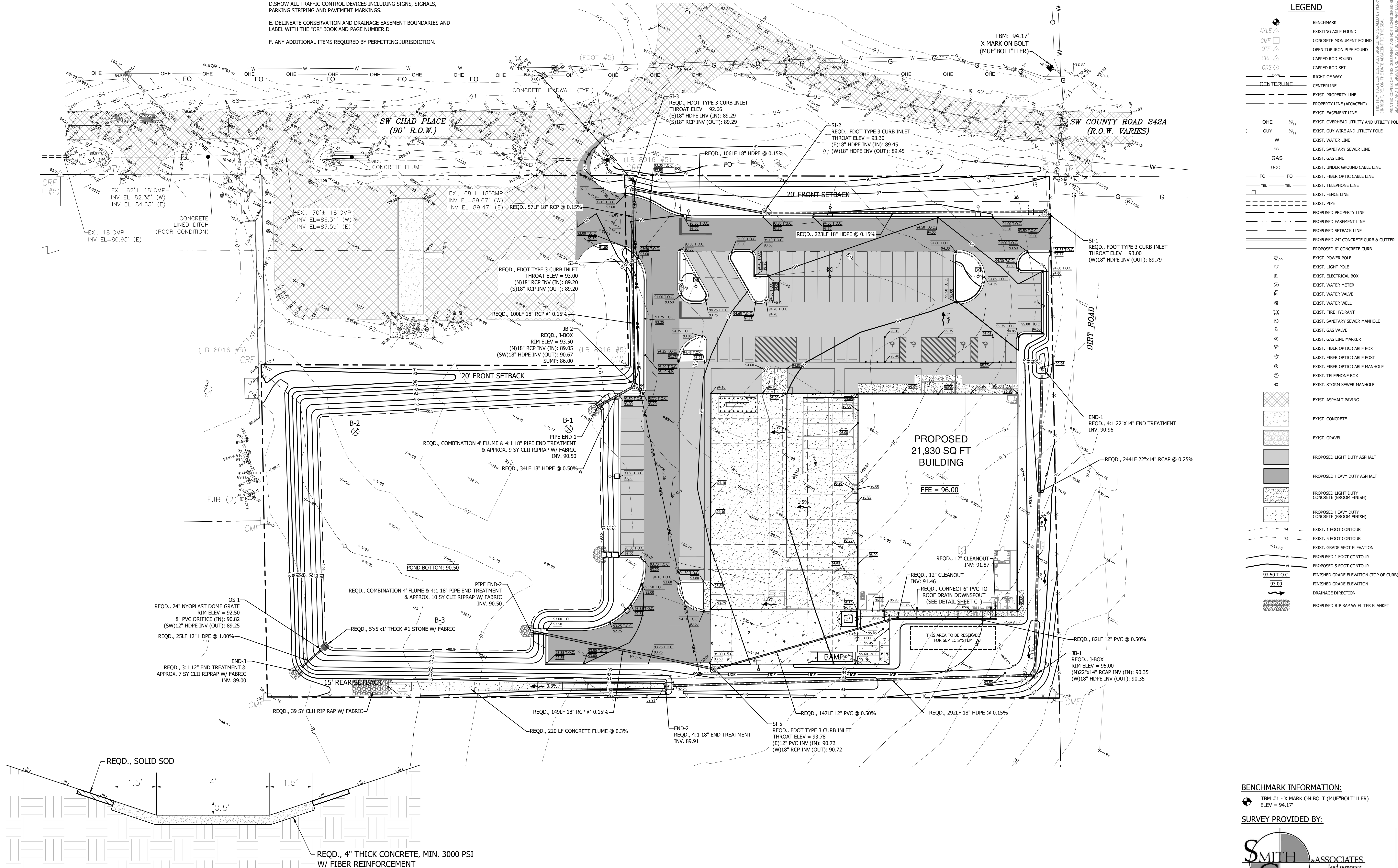
CONTRACTOR TO REVIEW SPOT ELEVATIONS IMMEDIATELY SURROUNDING BUILDING AT THE TIME OF FOOTING PREPARATION. CONTRACTOR TO ENSURE STRUCTURAL DETAILS MATCH CIVIL DESIGN AND ACCOUNT FOR ELEVATIONS TO ENSURE NO CONFLICT WITH FOOTING DEPTHS. CONTRACTOR TO INFORM ENGINEERS AND OWNER OF ANY DISCREPANCIES IMMEDIATELY UPON DISCOVERY AND ENSURE RESOLUTION BEFORE SCHEDULING FOOTINGS TO BE POURED.

ROOF DRAIN NOTE:

ALL ROOF DRAINS/DOWNSPOUTS SHALL BE DIRECTED TOWARDS THE STORMWATER MANAGEMENT FACILITY.

DRAINAGE INLET NOTE:

FOR ALL CURB INLETS, THE THROAT ELEVATION CALLED OUT ON THE PLANS IS THE GUTTER FLOW LINE ELEVATION.



TYPICAL SECTION OF CONCRETE FLUME

BENCHMARK INFORMATION:

- TBM #1 - X MARK ON BOLT (MUE"BOLT"LLER)
ELEV = 94.17'

SURVEY PROVIDED BY:

SMITH & ASSOCIATES
land surveyors

Physical Address: 21111 U.S. Hwy. 31, Suite 100, Spanish Fort, AL 36587
Mailing Address: P.O. Box 7082, Spanish Fort, AL 36587
(205) 426-8494

JADE CONSULTING

Jinright & Associates Development Engineers
208 Greens Road North, Fairhope, Alabama 36532
P.O. Box 129, Fairhope, Alabama 36535
Phone: (251) 928-3445 Fax: (251) 928-3665
jadeengineers.com

GRADING & DRAINAGE PLAN
TSC LAKE CITY SOUTH, FL
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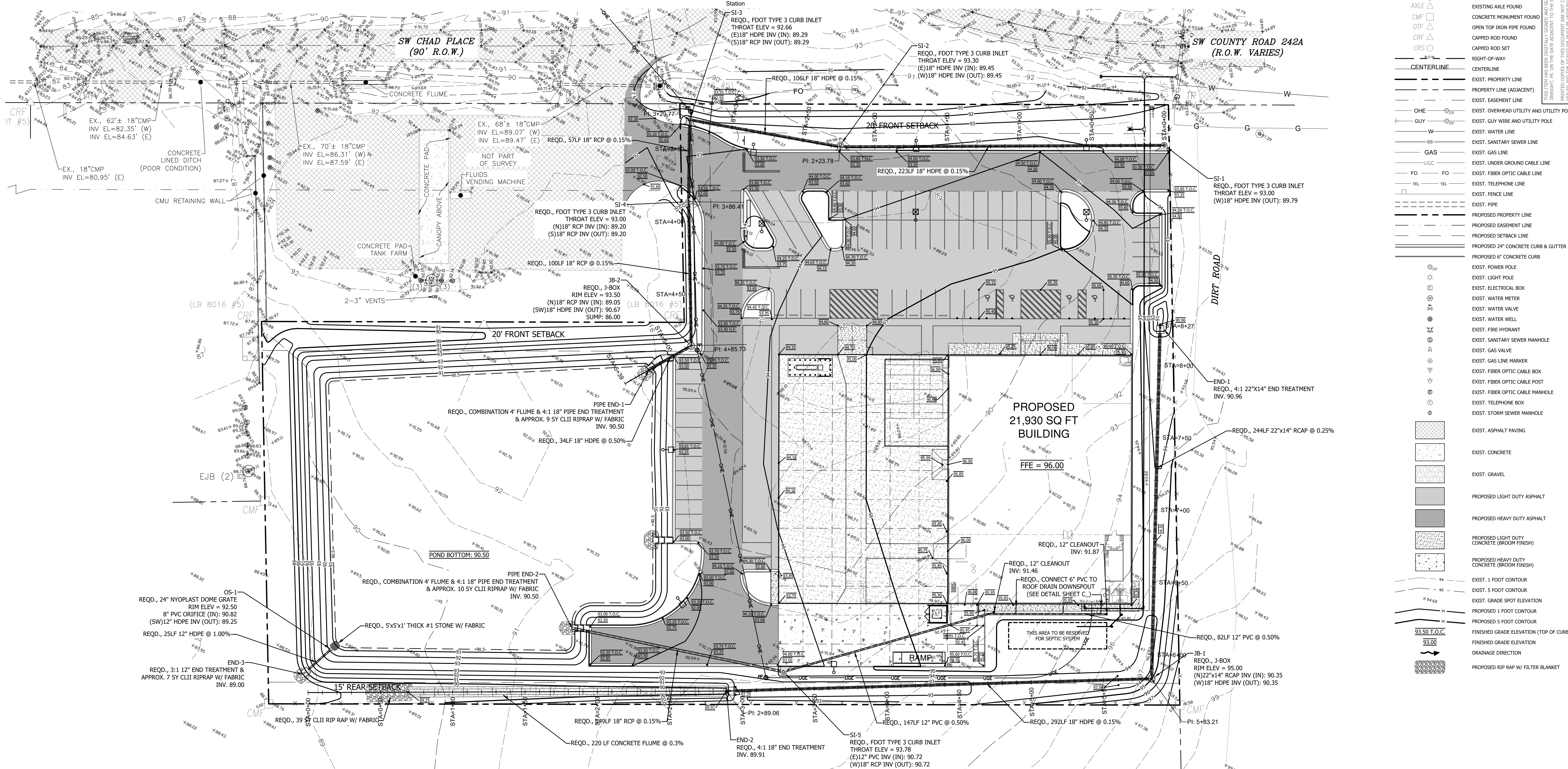
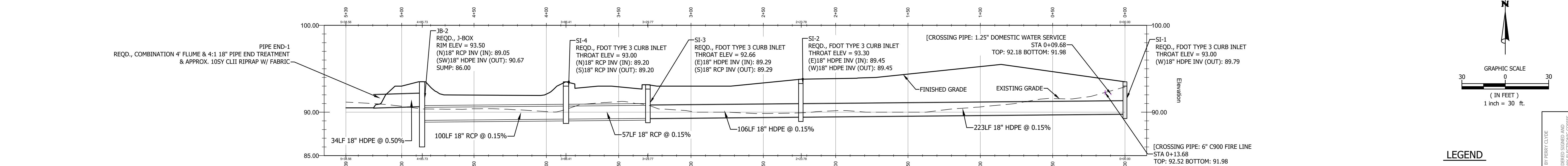
NO.	REVISION	DATE	APPR.
1.	ISSUE FOR SCHEDULE 1	3/27/25	

JOB NO: 24-1941.20
SCALE: 1" = 30'
DATE: MARCH 2025
DRAFTER: JP/TVML
SHEET: C4

Profile View of NORTH STORM NETWORK

Scale: 1"=30' Horizontal

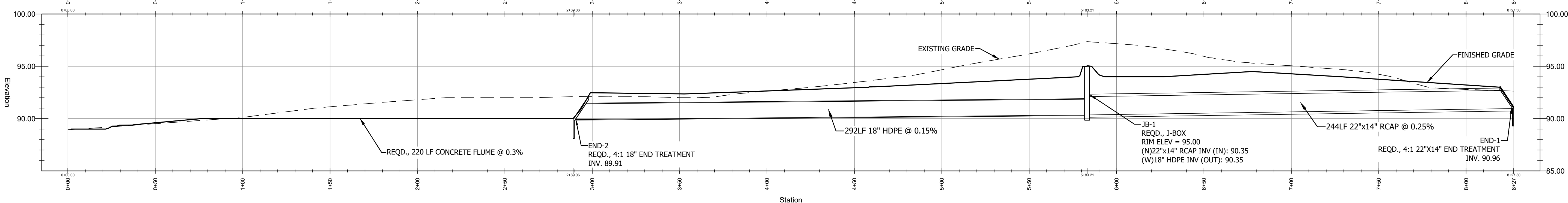
1"=5' Vertical



Profile View of SOUTH STORM NETWORK

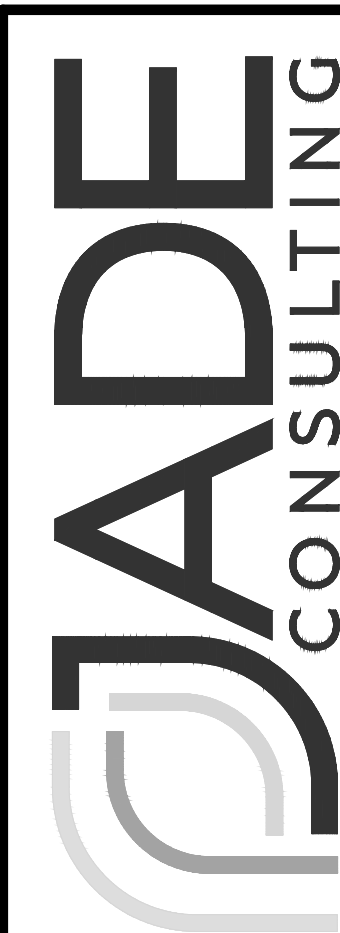
Scale: 1"=30' Horizontal

1"=5' Vertical



LEGEND

- AXLE (triangle symbol)
- EXISTING AXLE FOUND
- CMF (square symbol)
- CONCRETE MONUMENT FOUND
- OTF (triangle symbol)
- OPEN TOP IRON PIPE FOUND
- CRF (circle symbol)
- CAPPED ROD FOUND
- CRS (circle symbol)
- CAPPED ROD SET
- CENTERLINE (dashed line)
- RIGHT-OF-WAY (dashed line)
- EXIST. PROPERTY LINE (dashed line)
- PROPERTY LINE (ADJACENT) (dashed line)
- EXIST. EASEMENT LINE (dashed line)
- OHE (circle symbol)
- EXIST. OVERHEAD UTILITY AND UTILITY POLE
- GUY (circle symbol)
- EXIST. GUY WIRE AND UTILITY POLE
- W (circle symbol)
- EXIST. WATER LINE
- SS (circle symbol)
- EXIST. SANITARY SEWER LINE
- GAS (circle symbol)
- EXIST. GAS LINE
- UGC (circle symbol)
- EXIST. UNDER GROUND CABLE LINE
- FO (circle symbol)
- EXIST. FIBER OPTIC CABLE LINE
- TEL (circle symbol)
- EXIST. TELEPHONE LINE
- FO (circle symbol)
- EXIST. FENCE LINE
- TEL (circle symbol)
- EXIST. PIPE
- PROPOSED PROPERTY LINE (dashed line)
- PROPOSED EASEMENT LINE (dashed line)
- PROPOSED SETBACK LINE (dashed line)
- PROPOSED 24\"/>



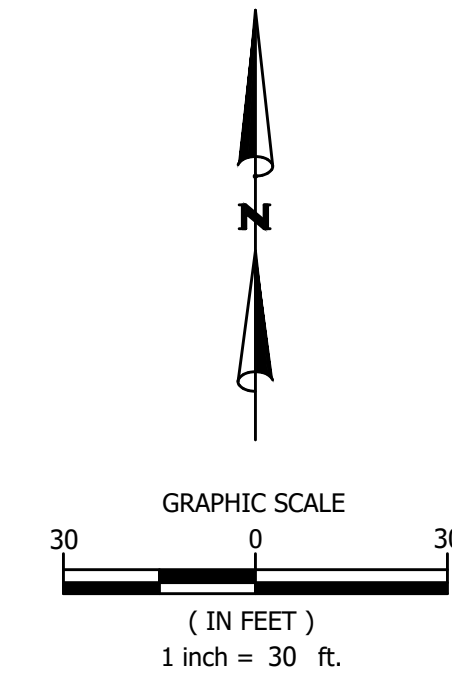
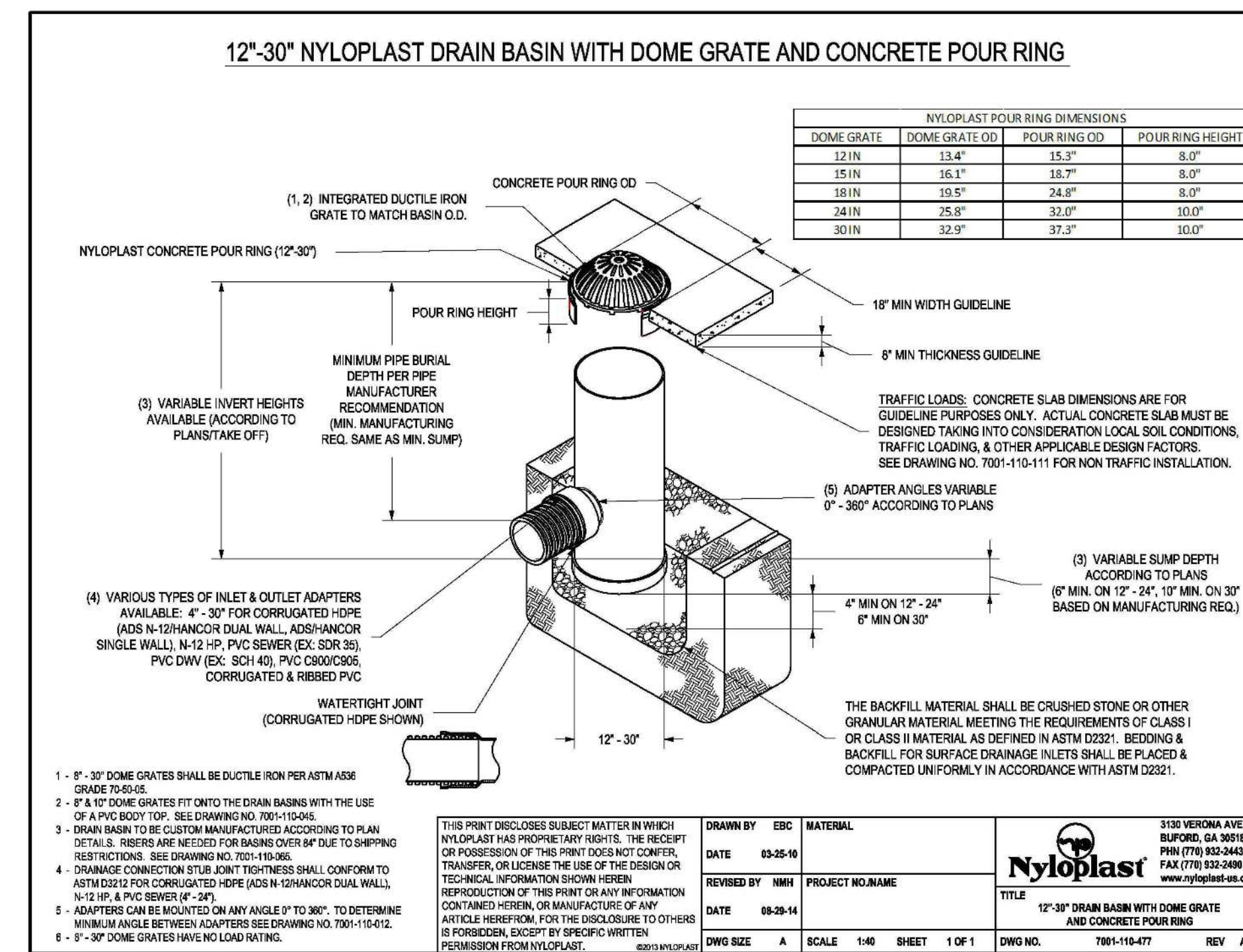
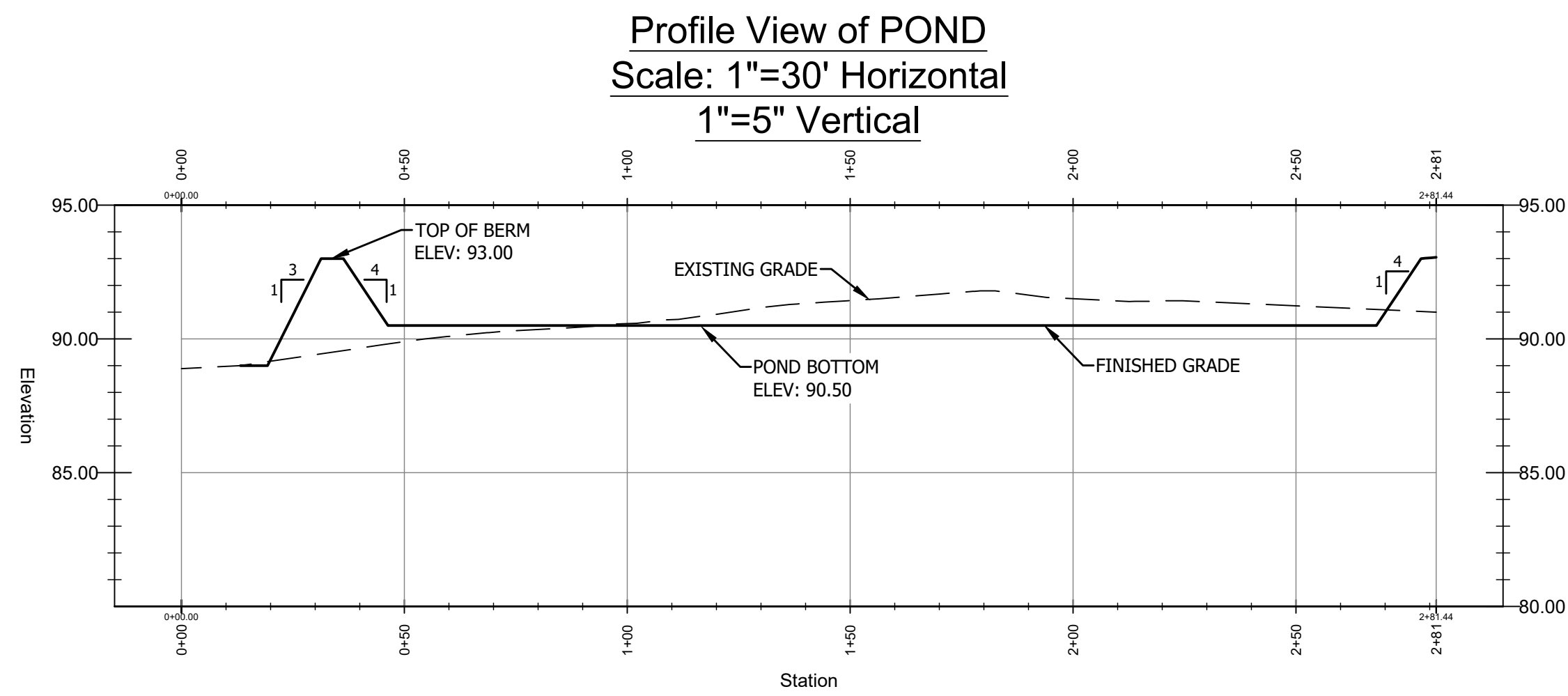
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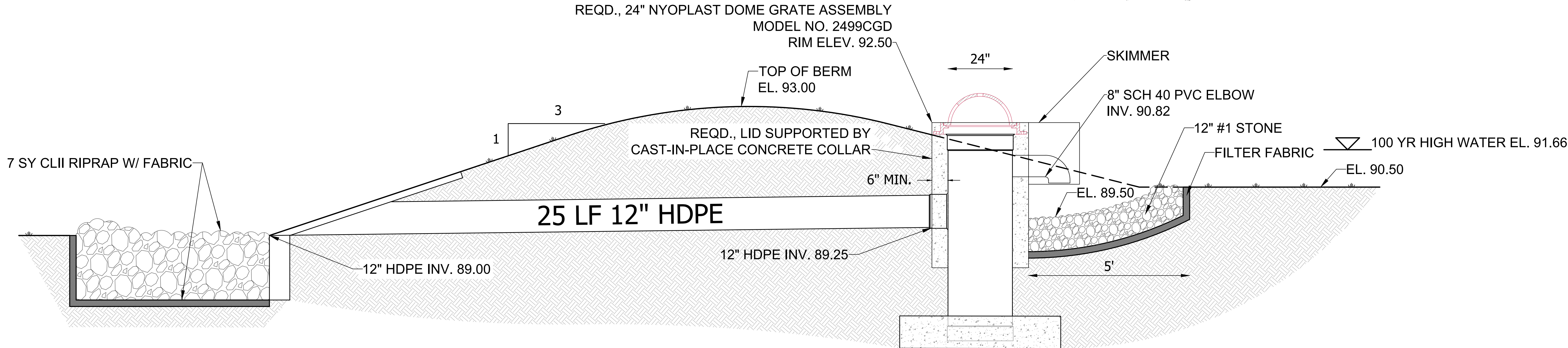
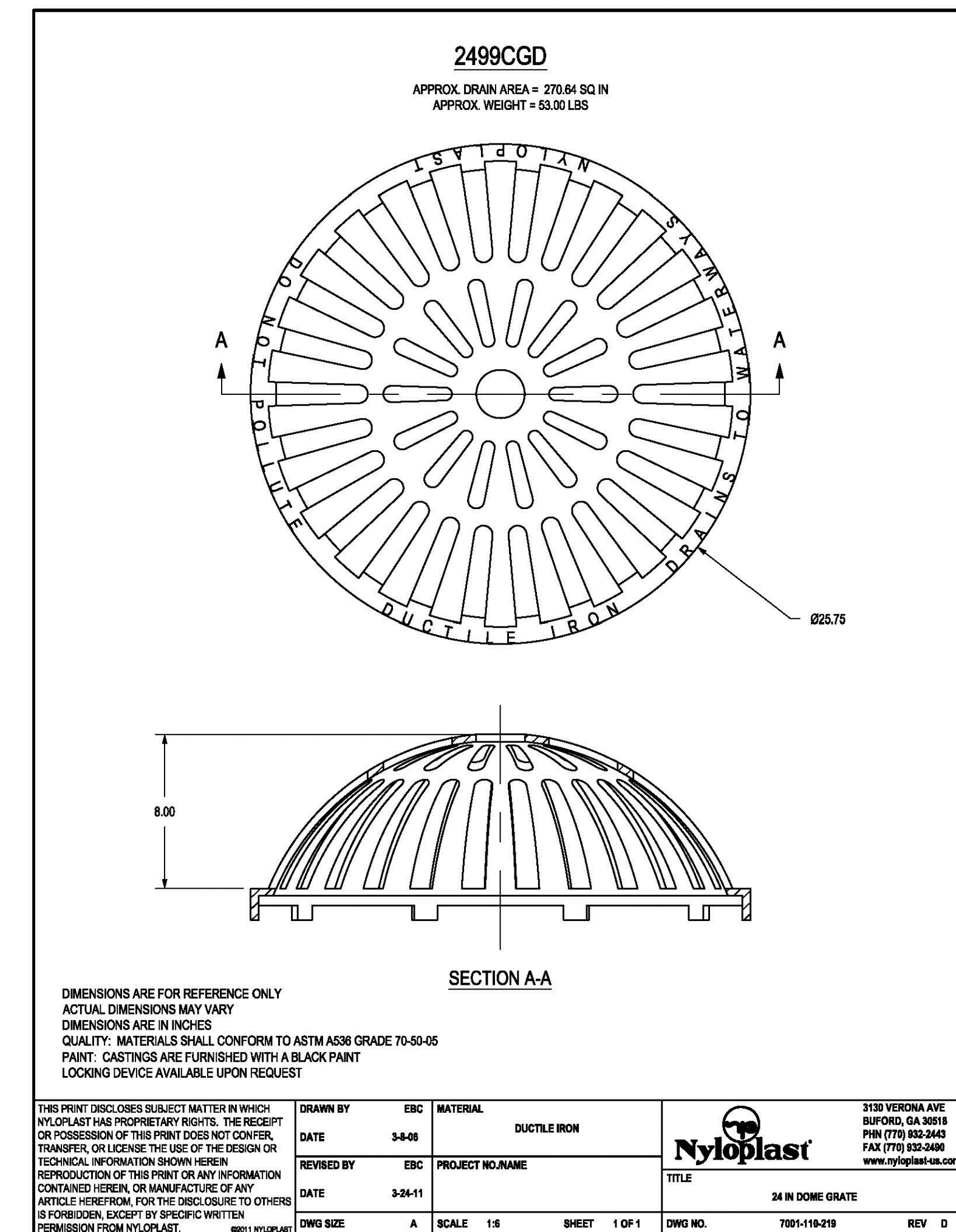
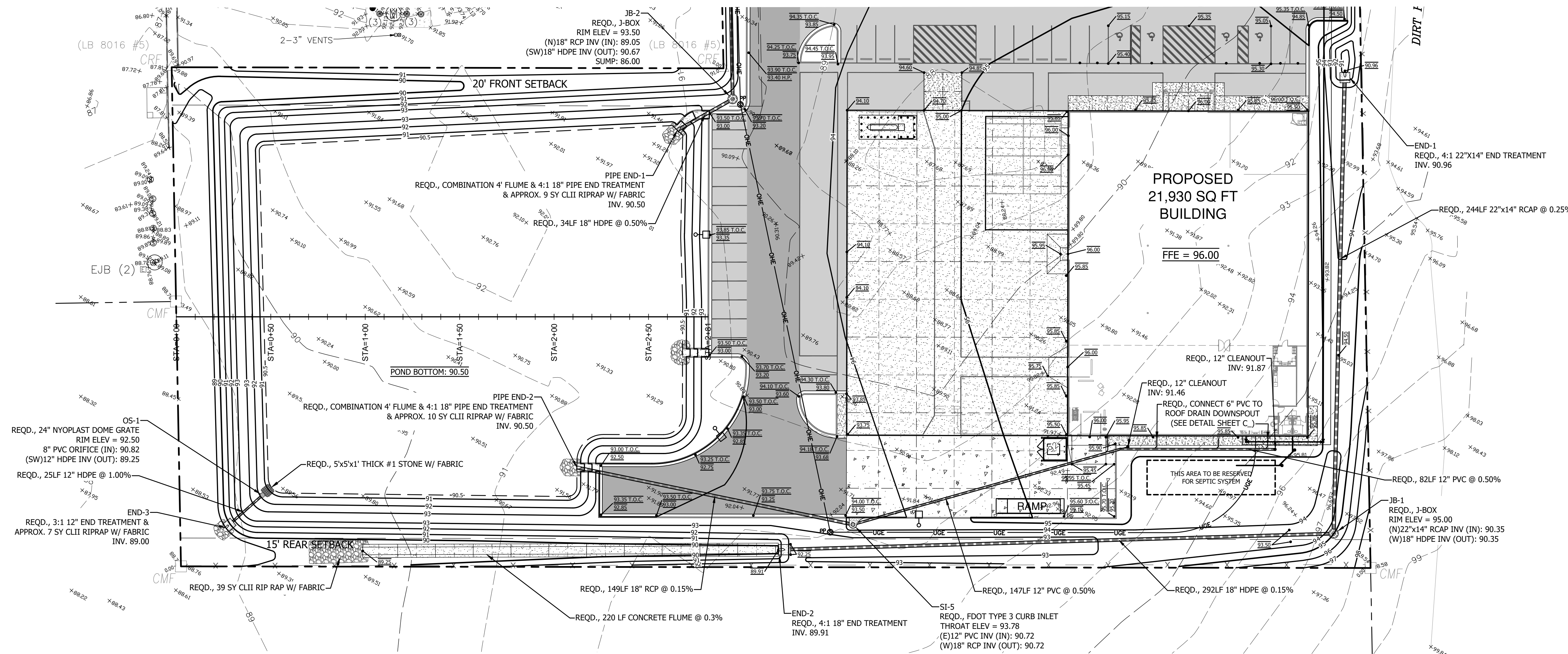
NO.	REVISION	DATE	APPR.
1.	ISSUE FOR SCHEDULE 1	3/27/25	

STORM PLAN & PROFILE
TSC LAKE CITY SOUTH, FL
HSC LAKE CITY SOUTH LLC

JOB NO: 24-1941.20
SCALE: 1" = 30'
DATE: MARCH 2025
DRAFTER: JP/TVML
SHEET: C5



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY FERRY CLOZE
FERRY CLOZE, P.E. ON THE DATE ADJACENT TO THE SEAL
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SEALED FOR THE PURPOSES OF THE PROFESSIONAL SEALING ACT



STORMWATER BASIN SECTION W/
24" OUTFALL STRUCTURE

NTS

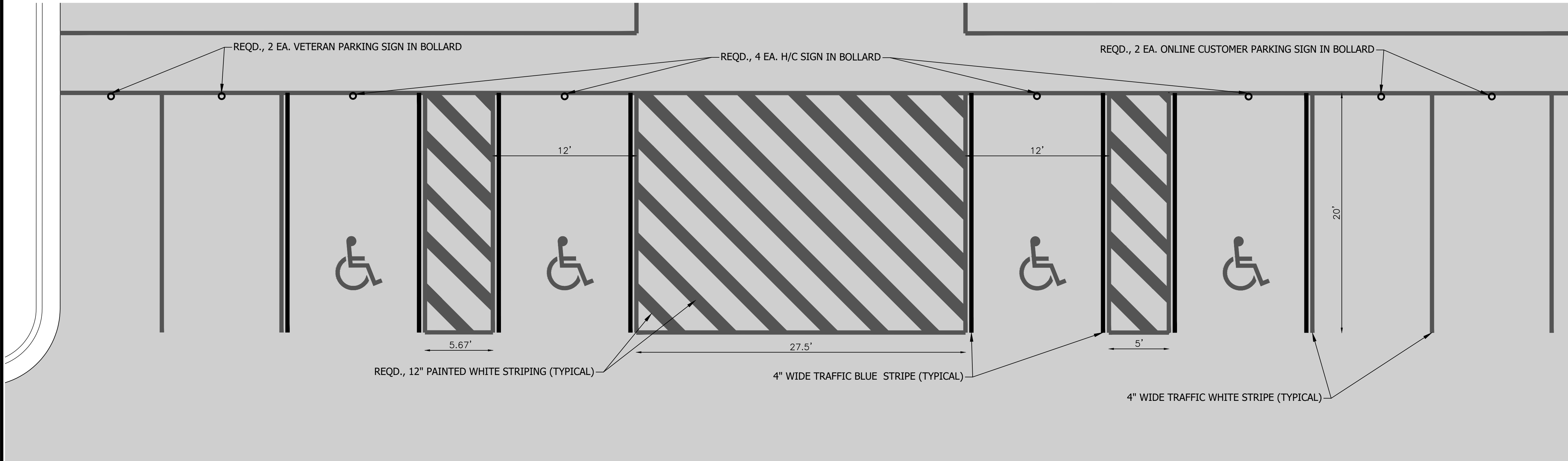
PROJECT NOTES:

SITE NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL STATE, LOCAL AND FEDERAL LAWS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL OF THESE LAWS AND REGULATIONS HAVE BEEN MET.
- THE CONTRACTOR SHALL NOTIFY JADE CONSULTING'S RESPECTIVE TESTING COMPANY AND ANY LOCAL JURISDICTIONAL INSPECTOR FOR APPROVAL 48 HOURS BEFORE THE BEGINNING OF ANY SUBSEQUENT PHASE OF CONSTRUCTION.
- THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY DISCREPANCIES OR ERRORS DISCOVERED IN THE PLANS.
- THE CONTRACTOR IS REQUIRED TO COORDINATE WITH THE ONE-CALL LINE LOCATE CENTER FOR THE MARKING OF UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL RENEW CONFORMATION NUMBERS AS OFTEN AS REQUIRED DURING THE DURATION OF THE PROJECT. THE CURRENT CONFORMATION NUMBER SHALL BE ON PROJECT SITES AT ALL TIMES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ANY AND ALL EXISTING UNDERGROUND UTILITIES AND TO TAKE WHATEVER STEPS ARE NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING FACILITIES ON THESE PLANS. HOWEVER, THIS INFORMATION IS SHOWN FOR THE CONTRACTORS CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF UTILITIES SHOWN OR NOT SHOWN. THE CONTRACTOR IS TO CONTACT THE UTILITY COMPANIES FOR EXACT LOCATION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION. ANY AND ALL DAMAGE MADE TO UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND REPLACE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING INFRASTRUCTURE.
- ALL WATER CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO **THE LATEST EDITION OF THE "STANDARDS AND SPECIFICATIONS" OF THE CITY OF LAKE CITY PUBLIC WORKS.**
- ALL SEWER CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO **THE LATEST EDITION OF THE "STANDARDS AND SPECIFICATIONS" OF THE CITY OF LAKE CITY PUBLIC WORKS.**
- ALL MANHOLES WITHIN THE 100 YEAR FLOOD PLAIN SHALL BE CONSTRUCTED THREE (3) FEET ABOVE GRADE.
- THE CONTRACTOR SHALL EMPLOY ALL NECESSARY MEASURES TO ENSURE THAT THE PROJECT IS OSHA COMPLIANT.
- THE CONTRACTOR SHALL EXPLORE EXISTING STRUCTURES, UTILITIES AND PIPING SO THAT ANY REQUIRED ADJUSTMENT MAY BE MADE.
- ANY EXCESS MATERIAL FROM CONSTRUCTION ACTIVITIES SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION AND INVERTS OF ALL UTILITIES PRIOR TO COMMENCEMENT OF ANY WORK ITEM. THE PROJECT ENGINEER SHALL BE NOTIFIED IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
- CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH ALL RESPECTIVE UTILITY PROVIDERS AND AUTHORITIES. PROPER NOTICE SHALL BE GIVEN PRIOR TO ANY WORK STARTING.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE BEDDING AND HAUNCHING FOR ALL IMPROVEMENTS.
- CONTRACTOR SHALL REPLACE ANY FAULTY OR IMPROPERLY INSTALLED IMPROVEMENTS AT HIS EXPENSE.
- THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO RESET ANY PROPERTY MARKERS DAMAGED DURING CONSTRUCTION AT HIS EXPENSE.
- ALL PRESSURE PIPE FITTINGS, WATER AND SEWER SHALL BE CAST OR DUCTILE IRON.
- CONTRACTOR SHALL NOT DEViate FROM PLANS WITHOUT PROPER CONSENT.
- NO SEPARATE PAY ITEM FOR REMOVAL OF ASPHALT, CONCRETE, PIPE, INLETS, ETC. WORK TO BE CONSIDERED A SUBSIDIARY ITEM OF CLEARING AND GRUBBING.
- CONTRACTOR SHALL STRICTLY FOLLOW THE LOCAL AUTHORITIES AND/OR GEOTECHNICAL REPORTS FOR ALL GRADING, BACKFILLING, AND PAVING REQUIREMENTS. ALL RESPECTIVE TASKS SHALL BE APPROVED BY RESPONSIBLE INSPECTOR PRIOR TO ACCEPTANCE.
- THE CONTRACTOR WILL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT BE LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED, REMOVED OR REGRADED AS REQUIRED BY THE ENGINEER.
- ALL GRAVITY PIPES SHALL BE LAID ON SMOOTH CONTINUOUS GRADES WITH NO DETECTABLE BENDS AT JOINTS.
- ALL STORM DRAINAGE INLET STRUCTURES SHALL HAVE A NEENAH CAST IRON FRAME AND COVER, OR APPROVED EQUAL, FOR ACCESS.
- SOIL TESTING AND ON-SITE INSPECTION SHALL BE PERFORMED BY AN INDEPENDENT GEOTECHNICAL ENGINEER. THE SOILS ENGINEER SHALL PROVIDE COPIES OF TEST REPORTS TO THE CONTRACTOR, THE OWNER AND THE OWNER'S REPRESENTATIVE AND SHALL PROMPTLY NOTIFY THE OWNER, HIS REPRESENTATIVE AND THE CONTRACTOR SHOULD WORK PERFORMED BY THE CONTRACTOR FAIL TO MEET THESE SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE ADEQUATE NOTICE TO SOILS ENGINEER FOR THE REQUIRED TESTING OF THE PROJECT.
- THE CONTRACTOR SHALL PROVIDE ANY EXCAVATION AND MATERIAL SAMPLES NECESSARY TO CONDUCT REQUIRED SOIL TESTS. ALL ARRANGEMENTS AND SCHEDULING FOR THE TESTING SHALL BE THE CONTRACTORS RESPONSIBILITY.

ADA COMPLIANCE NOTES:

- THE CONTRACTOR & OWNER WILL BE HELD ACCOUNTABLE DURING CONSTRUCTION FOR ALL SITE IMPROVEMENTS. COMPLIANCE WITH FLORIDA BUILDING CODE AND FEDERAL ADA STANDARDS IS MANDATORY. IF NON-COMPLIANT AT FINAL INSPECTION, CONTRACTOR WILL BE REQUIRED TO MODIFY CONSTRUCTION TO COMPLY. THE FOLLOWING ITEMS TAKE PRECEDENCE AND SUPERSEDE OTHER SITE DETAILS ON DRAWINGS:
- ACCESSIBLE PARKING SPACES SHALL BE LOCATED ON AN ACCESSIBLE ROUTE NO LESS THAN 44" WIDE SO THAT USERS WILL NOT BE COMPELLED TO WALK OR WHEEL BEHIND PARKED VEHICLES EXCEPT BEHIND HIS OR HER OWN VEHICLE.
- ACCESSIBLE PARKING SPACES AND ACCESS AISLES SERVING A PARTICULAR BUILDING SHALL BE LOCATED ON THE SHORTEST ACCESSIBLE ROUTE FROM THE ACCESSIBLE (H/C) PARKING TO AN ACCESSIBLE ENTRANCE. §208.3.1 FBC-A AND F.S. 553.5041(5)(B).
- ACCESSIBLE PARKING SPACES SHALL BE 12' WIDE, AND OUTLINED WITH BLUE PAINT.
- ACCESS AISLES REQUIRED ADJACENT TO PARKING SPACES SHALL BE 5' WIDE MIN. WITH DIAGONAL STRIPING.
- ACCESSIBLE PARKING AND ACCESS AISLES SHALL BE LEVEL (NOT TO EXCEED 1:48) ON A STABLE FIRM & SLIP RESISTANT SURFACE.
- ACCESSIBLE PARKING SIGNS SHALL BE FOOT APPROVED AND SHALL READ "PARKING BY DISABLED PERMIT ONLY" AND SHALL INDICATE A \$250 FINE FOR ILLEGAL USE. INSTALL SIGNS A MINIMUM 60" FROM THE GROUND TO THE BOTTOM OF THE SIGN(S).
- CURB RAMPS SHALL NOT EXCEED 1:12 SLOPE, AND CURB RAMP FLARES SHALL NOT EXCEED 1:10 SLOPE. CURB RAMPS AND FLARED SIDES SHALL NOT ENCRROACH UPON PARKING SPACES, ACCESS AISLES, OR VEHICULAR TRAFFIC LANES. THE COUNTER SLOPE OF ADJACENT ROAD SURFACES & GUTTERS SHALL NOT EXCEED 1:20.
- CURB RAMPS SHALL HAVE A LANDING WITH A MINIMUM CLEAR LENGTH OF 36" SHALL BE LOCATED AT THE TOP SIDE OF EACH CURB RAMP, A CLEAR WIDTH AT LEAST AS WIDE AS THE CURB RAMP (EXCLUDING FLARED SIDES) LEADING TO IT. EXCEPTION: FOR ALTERATIONS, WHERE THERE IS NO LANDING, CURB RAMP FLARES SHALL BE PROVIDED, AND SHALL NOT BE STEEPER THAN 1:12 SLOPE.
- ALL RAMPS WITH A RISE GREATER THAN 6" SHALL PROVIDE EDGE PROTECTION COMPLYING WITH ADA STANDARDS. RAMPS SHALL HAVE 60" MIN LEVEL LANDINGS AT THE TOP & BOTTOM.
- ALL RAMPS WITH A RISE GREATER THAN 6" SHALL PROVIDE EDGE PROTECTION COMPLYING WITH §405.9 FACBC. RAMPS SHALL HAVE 60" MIN LEVEL LANDINGS AT THE TOP & BOTTOM.
- ACCESSIBLE ROUTES TO "MAIN ENTRY" FROM AN ACCESSIBLE PARKING SPACE, AND FROM THE "PUBLIC WAY", SHALL NOT EXCEED 1:20 SLOPE (UNLESS RAMPS, HANDRAILS WITH PROPER EXTENSIONS ARE PROVIDED) WITH CROSS SLOPE NOT IN EXCESS OF 1:48.



NOTE:
ALL PAVEMENT MARKINGS SHALL BE PAINTED TWO COATS.

VAN ACCESSIBLE HANDICAPPED STALL DETAIL

SEDIMENT CONTROL AND STORMWATER MANAGEMENT NOTES

- ALL EROSION CONTROL PROCEDURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE "FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION STANDARDS FOR FDEP PERMITTING".
- ALL BEST MANAGEMENT PRACTICES (BMP) PROCEDURES SHALL BE IN PLACE AND INSPECTED PRIOR TO ANY LAND DISTURBING ACTIVITY.
- ALL DISTURBED AREAS SHALL BE TEMPORARILY GRASSED AND MULCHED IF THEY WILL BE LEFT UNATTENDED FOR 14 DAYS.
- ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE PROJECT ENGINEER AND/OR LOCAL JURISDICTIONAL INSPECTOR.
- CONSTRUCTION ENTRANCE/EXIT PADS SHALL BE INSTALLED BY THE CONTRACTOR AT CONSTRUCTION ACCESS POINTS PRIOR TO LAND DISTURBANCE AND SHALL BE MAINTAINED THROUGHOUT THE PROJECT. (NO DIRECT PAYMENT)
- THE APPROVED BEST MANAGEMENT PRACTICES PLAN SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBING ACTIVITY HAS BEGUN.
- SILT FENCE AND/OR EROSION CONTROL NETTING SHALL BE PLACED ALONG THE DOWNSTREAM SIDE OF ALL PROPOSED FILL CONSTRUCTION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION.
- WHEN REQUIRED CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY AND RAIN EVENT TO ENSURE MEASURES ARE FUNCTIONING PROPERLY. CONTRACTOR SHALL PROPERLY MAINTAIN ALL BMP'S IN ACCORDANCE WITH THE "FLORIDA HANDBOOK".
- CONTRACTOR SHALL IMMEDIATELY REPAIR AND/OR REPLACE ANY DAMAGED OR IMPROPERLY FUNCTIONING BMP.
- ANY SILT IN THE DETENTION POND SHALL BE REMOVED AS DIRECTED BY THE PROJECT ENGINEER OR LOCAL AUTHORITY. THE DETENTION POND SHALL ALSO BE REGRADED TO FINAL DESIGN PRIOR TO FINAL ACCEPTANCE OF PROJECT. THERE IS NO DIRECT PAYMENT FOR THIS ACTIVITY.
- ALL DISTURBED AREAS MUST BE PERMANENTLY STABILIZED IN ACCORDANCE WITH THE HANDBOOK PRIOR TO FINAL ACCEPTANCE.
- CONTRACTOR SHALL ROUTINELY CLEAN OUT ANY SILT ACCUMULATION FROM THE PROJECTS DRAINAGE STRUCTURES AS REQUIRED BY PROJECT ENGINEER AND/OR LOCAL AUTHORITY.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR SEDIMENT CONTROL AND STORMWATER MANAGEMENT FOR PROJECT. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER IMMEDIATELY OF ANY FAILING BMP.

CONSTRUCTION PHASE SEQUENCE:

PHASE ONE

- INSTALL CONSTRUCTION ENTRANCE/EXIT
- CLEAR AREA REQUIRED FOR SILT FENCE PLACEMENT
- INSTALL SILT FENCE (SBA)

PHASE TWO

- CONSTRUCT AND STABILIZE WATER QUALITY PONDS/SEDIMENT BASINS
- WATTLES, INLET, AND OUTLET PROTECTION TO BE INSTALLED

PHASE THREE

- DEMOLITION AND REMOVAL OF DEMO DEBRIS
- CLEAR/GRUB REMAINING SITE AREAS

PHASE FOUR

- INSTALL STORM DRAINAGE MEASURES
- GRADE SITE TO ROUGH GRADES

PHASE FIVE

- CONSTRUCT UTILITIES (WATER, SEWER)
- BUILDING CONSTRUCTION BEGINS

PHASE SIX

- CONSTRUCT ROADS (PAVING, CURB AND GUTTER, SIDEWALKS)
- BUILDING CONSTRUCTION CONTINUES

PHASE SEVEN

- BUILDING CONSTRUCTION COMPLETED
- STABILIZE DISTURBED AREAS WITH SOLID SOD
- INSTALL PERMANENT LANDSCAPING

PHASE EIGHT

- REMOVE BMP MEASURES

PHASE NINE

- REMOVE SILT FENCE
- PROJECT COMPLETE, FINAL INSPECTION, FILE NOTICE OF TERMINATION

TRACTOR SUPPLY COMPANY NOTES:

8' CHAIN LINK FENCE SPECIFICATIONS FOR FRONT OF GARDEN CENTER ONLY:

- FABRIC: 96" 9 GA. GALVANIZED (2" MESH) CHAIN LINK FABRIC.
- TOP & BOTTOM RAIL: 1 5/8" O.D. FULL WEIGHT PIPE, 2.27 LBS. PER FOOT (MIN). TOP RAIL TO BE JOINED WITH 1 5/8" SLEEVE. BOTTOM RAIL @ 18" ABV. GRADE.
- LINE POST: 2 1/2" O.D. FULL WEIGHT PIPE, 3.65 LBS. PER FOOT (MIN). LINE POST TO BE SET 10' ON CENTER MAX. SPACING. CONCRETE FOOTING TO BE 8" DIA. BY 30" DEEP CONC.
- TERMINAL POST: 3" O.D. FULL WEIGHT PIPE, 5.79 LBS. PER FOOT (MIN). SET IN 8" DIA. BY 36" DEEP CONC. FOOTING.
- GATE POST: 4" O.D. FULL WEIGHT PIPE, 9.10 LBS. PER FOOT (MIN). 8" DIA. 36" DEEP CONC. FOOTING.
- (3) GATES: (1) 20 FOOT MANUAL CANTILEVERED CHAIN LINK GATE, (1) 20 FOOT CANTILEVERED CHAIN LINK GATE WITH AUTOMATIC GATE OPERATOR, AND (1) 4 FOOT SWING GATE, WITH FRAMEWORK OF 1 5/8" FULL WEIGHT PIPE, 2.27 LBS. PER FOOT (MIN). GATES BRACED AND TRUSSED AS NECESSARY. SAME FABRIC AS FENCE. SEE PLAN FOR WIDTH.
- SWING GATES: DESIGN AS PER THE MANUFACTURERS DESIGN STANDARDS. GATES SHALL BE MANUALLY OPERATED.
- TENSION WIRE: 7 GA. COIL SPRING GALVANIZED TENSION WIRE ATTACHED TO BOTTOM OF FENCE FABRIC WITH 9 GA. ALUM. HOG RING SPACED 24" ON CENTER.
- FITTINGS: HEAVY BRACED BAND AND CARRIAGE BOLT, PRESSED STEEL RAIL-END, PRESSED STEEL LOOP CAP, PRESSED STEEL CAP, 1/4" X 3/4" TENSION BAR, HEAVY TENSION BAND AND CARRIAGE BOLT.
- TIE WIRE: 8 1/4" 12 GA. STEEL TIE WIRE AND 6 1/2" 12 GA. STEEL WIRE SPACED 15" ON CENTER FOR LINE POST AND 24" ON CENTER FOR RAILS.
- POST FOOTING: TRUCK POURED CONCRETE.
- SPECIFY A GATE LATCH WITH THE ABILITY TO ACCEPT A STANDARD PAD LOCK.

16' HIGH CHAIN LINK FENCE SPECIFICATIONS (FOR WIND SPEEDS UP TO 130 MPH):

- FABRIC: 192" 9 GA. GALVANIZED (2" MESH) CHAIN LINK FABRIC.
- TOP & BOTTOM RAIL: 1 5/8" O.D. FULL WEIGHT PIPE, 2.27 LBS. PER FOOT (MIN). TOP RAIL TO BE JOINED WITH 1 5/8" SLEEVE. BOTTOM RAIL @ 18" ABV. GRADE. THE MAXIMUM SPACING OF INTERMEDIATE HORIZONTAL RAILS TO BE 48" MAX.
- LINE, GATE, AND TERMINAL POSTS: 4" O.D. x 1/4" WALL THICKNESS (MIN). LINE POST TO BE SET 10'-0" O.C. MAX. SPACING. CONCRETE FOOTING TO BE 8" DIA. X 60" DEEP CONC.
- TENSION WIRE: 7 GA. COIL SPRING GALVANIZED TENSION WIRE ATTACHED TO BOTTOM OF FENCE FABRIC WITH 9 GA. ALUM. HOG RING SPACED 24" ON CENTER.
- FITTINGS: HEAVY BRACED BAND AND CARRIAGE BOLT, PRESSED STEEL RAIL-END, PRESSED STEEL LOOP CAP, PRESSED STEEL CAP, 1/4" X 3/4" TENSION BAR, HEAVY TENSION BAND AND CARRIAGE BOLT.
- TIE WIRE: 8 1/4" 12 GA. STEEL TIE WIRE AND 6 1/2" 12 GA. STEEL WIRE SPACED 15" ON CENTER FOR LINE POST AND 24" ON CENTER FOR RAILS.
- POST FOOTING: TRUCK POURED CONCRETE.

16' HIGH CHAIN LINK FENCE SPECIFICATIONS (FOR WIND SPEEDS FROM 131 MPH TO 148 MPH):

- FABRIC: 192" 9 GA. GALVANIZED (2" MESH) CHAIN LINK FABRIC.
- TOP & BOTTOM RAIL: 1 5/8" O.D. FULL WEIGHT PIPE, 2.27 LBS. PER FOOT (MIN). TOP RAIL TO BE JOINED WITH 1 5/8" SLEEVE. BOTTOM RAIL @ 18" ABV. GRADE. THE MAXIMUM SPACING OF INTERMEDIATE HORIZONTAL RAILS TO BE 48" MAX.
- LINE, GATE, AND TERMINAL POSTS: 4" O.D. x 1/4" WALL THICKNESS (MIN). LINE POST TO BE SET 10'-0" O.C. MAX. SPACING. CONCRETE FOOTING TO BE 12" DIA. X 60" DEEP CONC.
- TENSION WIRE: 7 GA. COIL SPRING GALVANIZED TENSION WIRE ATTACHED TO BOTTOM OF FENCE FABRIC WITH 9 GA. ALUM. HOG RING SPACED 24" ON CENTER.
- FITTINGS: HEAVY BRACED BAND AND CARRIAGE BOLT, PRESSED STEEL RAIL-END, PRESSED STEEL LOOP CAP, PRESSED STEEL CAP, 1/4" X 3/4" TENSION BAR, HEAVY TENSION BAND AND CARRIAGE BOLT.
- TIE WIRE: 8 1/4" 12 GA. STEEL TIE WIRE AND 6 1/2" 12 GA. STEEL WIRE SPACED 15" ON CENTER FOR LINE POST AND 24" ON CENTER FOR RAILS.
- POST FOOTING: TRUCK POURED CONCRETE.

PARKING LOT PAINT SPECS - 15 MIL APPLICATION (0.015" THICK):

- NEW PAVEMENT SURFACE TO CURE FOR A PERIOD OF NOT LESS THAN 14 DAYS BEFORE APPLICATION OF MARKING MATERIALS.
- REMOVE ALL DIRT, GRAVEL, DEBRIS, VEGETATION, OR OTHER MISCELLANEOUS OBJECTS FROM THE SURFACE WITH A BROOM TRUCK OR EQUIVALENT RIGOROUS METHOD. PROVIDE A CLEAN, DUST-FREE AND COMPLETELY DRY SURFACE FOR PAINT APPLICATION. DO NOT APPLY PAINT OVER EXISTING TAPE MARKINGS.
- CONFIRM & RECORD PROPER AIR AND SURFACE TEMPERATURES OF 55° AND RISING AND LESS THAN 95°. IF THE SURFACE TEMPERATURE IS NOT WITH THE TEMPERATURE RANGE OR IF THE PAINT APPLICATION IS DONE UNDER ADVERSE CONDITIONS (AS DETERMINED BY THE CONSTRUCTION PROJECT MANAGER) SUCH AS ABOVE 75% HUMIDITY, NIGHT STRIPING, ETC. IN ORDER TO MEET TSC OPENING SCHEDULE, CONTRACTOR TO RE-SCHEDULE AND COMPLETE SURFACE STRIPING UNDER PROPER CONDITIONS A MINIMUM OF 30 DAYS PRIOR TO THE EXPIRATION OF THE (1) ONE YEAR CONSTRUCTION WARRANTY.
- PROVIDE A 15 MIL THICK 4" WIDE CONTINUOUS STRIPE WHERE AND IN THE COLOR INDICATED. MINIMUM OF (2) TWO COATS.
- PROVIDE PRIMER AND SEALER TO BE APPLIED PER THE MANUFACTURER'S RECOMMENDATIONS ON ALL CONCRETE SURFACES AND ON ASPHALT SURFACES THAT ARE MORE THAN TWO YEARS OLD, OXIDIZED AND/OR HAVE AGGREGATE EXPOSED.

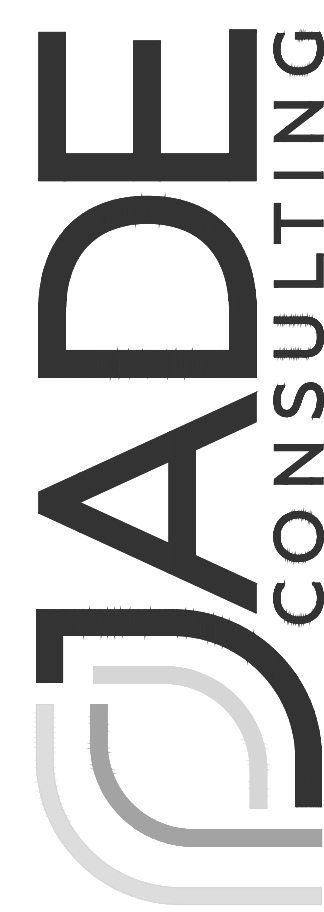
PARKING STRIPING NOTE:

PARKING STRIPES ON CONCRETE SHOULD ALWAYS BE YELLOW AND PARKING STRIPES ON ASPHALT SHOULD ALWAYS BE WHITE UNLESS OTHERWISE SPECIFIED IN THE CONSTRUCTION DOCUMENTS.

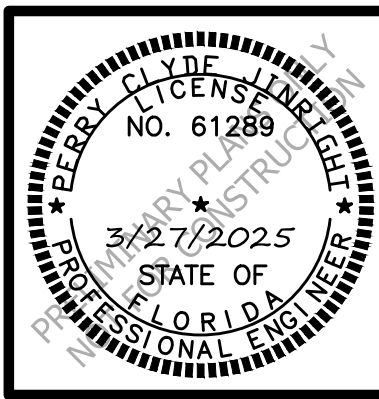
TRAFFIC CONTROL NOTES:

- ALL TRAFFIC CONTROL SHALL COMPLY WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- ALL TRAFFIC PLANS SHALL BE COORDINATED WITH COLUMBIA COUNTY PUBLIC WORKS DEPARTMENT.
- NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL METHODS MAY BE NECESSARY AS PER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART IV. THESE DEVICES SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. **NO SEPARATE PAYMENT WILL BE MADE FOR TRAFFIC CONTROL REQUIREMENTS.**
- ALL TEMPORARY TRAFFIC CONTROL SHALL COMPLY WITH PART VI OF THE MUTCD LATEST EDITION.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JIMMIE CLINE
JIMMIE CLINE, P.E. ON THE DATE ADJACENT TO THE SEAL
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND
SEALED FOR THE PURPOSES OF THE FLORIDA PROFESSIONAL ENGINEERING ACT



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FL, CA, 27024
jadengineers.com



DATE	APPR.
3/27/25	
REVISION	DATE
ISSUE FOR SCHEDULE 1	
1.	NO

CIVIL CONSTRUCTION NOTES
TSC LAKE CITY SOUTH, FL
HSC LAKE CITY SOUTH LLC

JOB NO: 24-1941.20
SCALE: N/A
DATE: MARCH 2025
DRAFTER: JP/TVML
SHEET: C7

GENERAL NOTES:

1. Work this Index with Specification 425 and Index 425-001.
2. Type P standard structure bottoms are 4'-0" diameter and smaller (Alt. A) and 3'-6" square (Alt. B). Larger standard structure bottoms are designated Type J. Risers are permitted for all structures.
3. Walls of circular structures (Alt. A) constructed in place may be of brick or reinforced concrete. Construct precast and rectangular structures (Alt. B) with reinforced concrete only.
4. Wall thickness and reinforcement are for either reinforced cast-in-place or precast concrete units except that precast circular units may be furnished with walls in accordance with ASTM C478 (See Table 1).
5. Top and bottom slab thickness and reinforcement are for precast and cast-in-place construction. Use Class II concrete, except when Class IV concrete is shown in the Plans.
6. Alt. A or Alt. B structure bottoms may be used in conjunction with curb inlet tops Types 1, 2, 3, 4, 5, 6, 9, and 10, and any manhole or junction box. Alt. B structure bottoms may be used in conjunction with curb inlet Types 7 & 8, or any ditch bottom inlet.
7. Rectangular structures may be rotated as directed by the Engineer in order to facilitate connections between the structure walls and pipes.
8. Use straight embedment reinforcement in top and bottom slabs, except when ACI hooks are specifically required.
9. Construct corner fillets as shown for rectangular structures used with circular risers and inlet throats, and when used on skew with rectangular risers, inlets, and inlet throats. Construct fillets in the top slab of the Alt. A structure bottoms when used with the Type B risers. Reinforce each fillet with two #5 bars.
10. Units larger than specified standards may be substituted at the contractor's option when these units will not cause or increase the severity of utility conflicts. Furnish such larger units at no additional cost to the Department. Larger Alt. A units cannot replace Alt. B units without approval of the Engineer. This Note applies to this Index only.

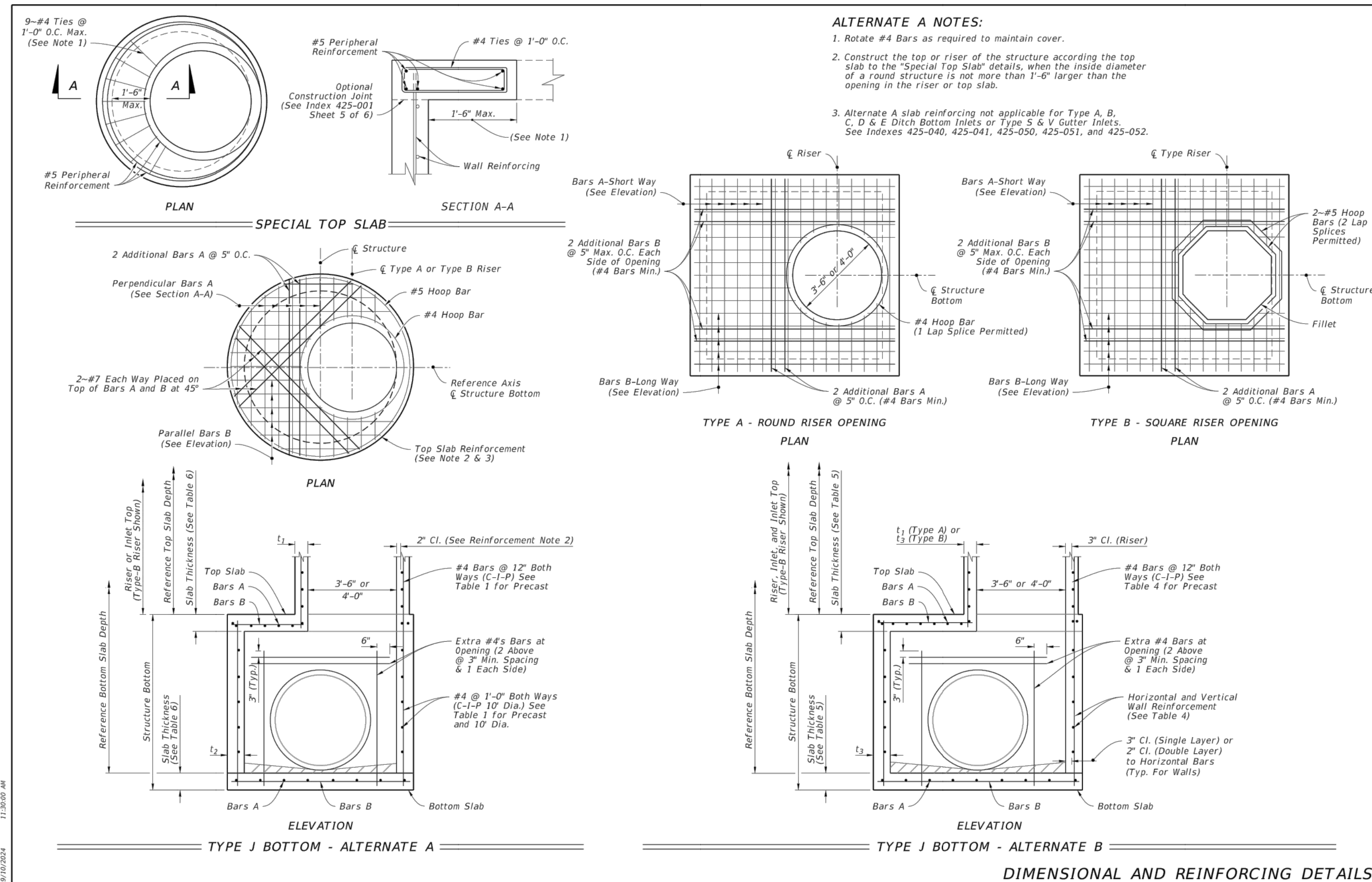
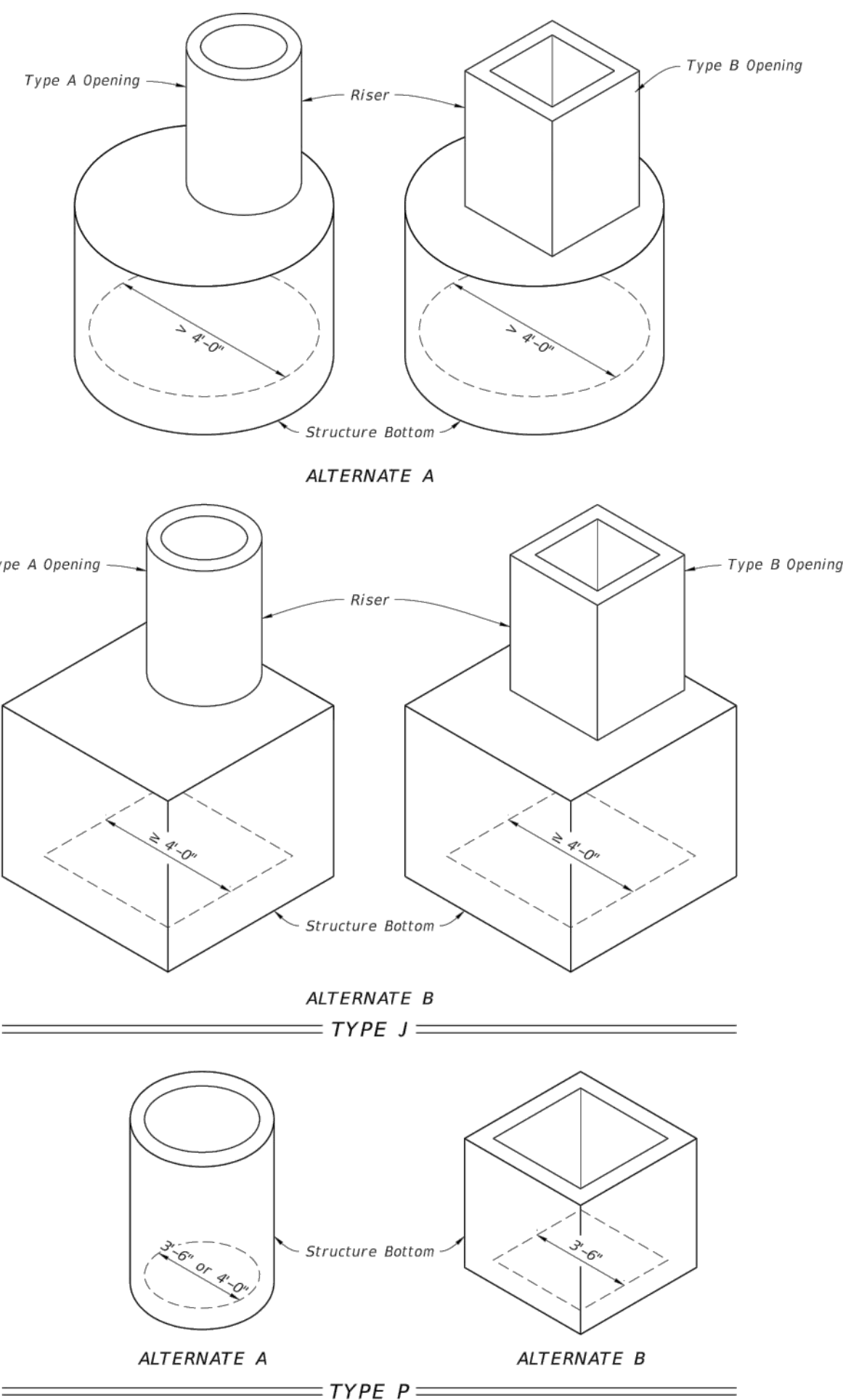
REINFORCEMENT NOTES:

1. Locate wall reinforcement in rectangular structures as shown in the WALL REINFORCEMENT SPLICE DETAILS in Index 425-001.
2. Provide a minimum 2" clear cover for all reinforcement unless otherwise noted and except for 30" diameter ASTM C478 units.
3. Additional bars used to restrain hole formers for precast structures with grouted pipe connections may be left flush with the hole surface.
4. Cut or bend reinforcement at pipe openings to maintain cover.
5. Remove exposed ends of reinforcing at precast pipe openings and grouted joints to 1" below the concrete surface and seal with a Type F Epoxy meeting the requirements of Specification 926.
6. Equivalent area smooth or deformed welded wire reinforcement may be substituted in accordance with Index 425-001.

TABLE OF CONTENTS:

Sheet	Description
1	General Notes and Contents
2	Dimensional and Reinforcing Details
3	Tables 1, 2, 3, and 4
4	Tables 5 and 6

LAST REVISION	DESCRIPTION:	FY 2025-26 STANDARD PLANS	STRUCTURE BOTTOMS TYPE J AND P	INDEX	SHEET
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LAST REVISION	DESCRIPTION:	FY 2025-26 STANDARD PLANS	STRUCTURE BOTTOMS TYPE J AND P	INDEX	SHEET
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TABLE 1 - ALTERNATE A - STRUCTURES									
TYPE	STRUCTURE/RISER DIAMETER (ft)	CAST-IN-PLACE ITEMS CLASS II CONCRETE			PRECAST ITEMS CLASS II CONCRETE			ASTM C478	
		t ₁	t ₂	A ₃	t ₁	t ₂	A ₃	t ₁ ***	A ₂ ***
		(in.)	(in.)	(in./ft.)	(in.)	(in.)	(in./ft.)	(in.)	(in.)
P	3'-6"	6	8	0.20	6	8	0.20	4**	0.105
P	4'-0"	6	8	0.20	6	8	0.20	3**	0.120
J	5'-0"	-	8	0.20	-	8	0.20	6**	0.150
J	6'-0"	-	8	0.20	-	8	0.20	6	0.180
J	7'-0"	-	8	0.20	-	8	0.20	7	0.210
J	8'-0"	-	8	0.20	-	8	0.20	8	0.240
J	10'-0"	-	10	0.40#	-	10	0.40#	10	0.300
J	12'-0"	-	10	0.40#	-	12	0.40#	12	0.360

hand to Wall Thickness.

A₂ - Vertical and horizontal areas of reinforcement.

##Provide 0.20 eq. in./ft. at each face, 12" max. bar spacing.

***Notified minimum wall thickness.

***Min. total circumferential reinforcement for continuous steel hoops:

A₂ = 0.40 sq. in. for riser section height equal or less than 2'-0" (2 hoop min.)

A₂ = 0.60 sq. in. for riser section height more than 2'-0" up to 4'-0" (3 hoop min.)

Areas of reinforcing for precast items are based on Grade 60 reinforcing.

No reduction in the area of reinforcement is allowed for welded wire fabric in Table 1.

Area of vertical reinforcing may be reduced in accordance with ASTM C478.

TABLE 2 - ALTERNATE B SQUARE AND RECTANGULAR STRUCTURES									
TYPE	WALL LENGTH (ft)	MAX. DEPTH (ft)	WALL THICKNESS (t ₁) (in.)	C.I.P. PRECAST (in.)					
				6 Riser	8 Bottom				
P	3'-6"	40	6	8	6				
J	4'-0"	40	6	8	6				
J	5'-0"	22	-	6	-				
J	6'-0"	15	-	6	-				
J	5'-0" to 9'-0"	40	8	8	8				
J	10'-0"	26	8	8	8				
J	10'-0" to 12'-0"	40	10	9	9				
J	16'-0"	35	-	9	-				
J	16'-0"	40	10	10	10				
J	20'-0"	25	-	9	-				
J	20'-0"	30	10	10	10				

See Table 4 for Reinforcing Schedule.

TABLE 3 - REINFORCING SCHEDULE									
SCHEDULE	GRADE 60 BARS (in. ² /ft.)	GRADE 60 BARS (in. ² /ft.)	GRADE 60 BARS (in. ² /ft.)	GRADE 60 BARS (in. ² /ft.)	GRADE 60 BARS (in. ² /ft.)	GRADE 60 BARS (in. ² /ft.)	GRADE 60 BARS (in. ² /ft.)	GRADE 60 BARS (in. ² /ft.)	GRADE 60 BARS (in. ² /ft.)
A12	0.20	12	8	8	8	8	8	8	8
A6	0.20	6	5	4	4	4	4	4	4
B10	0.24	10	6	5	4	4	4	4	4
B5.5	0.24	5.5	5	4	4	4	4	4	4
C6.5	0.37	6.5	6	5	4	4	4	4	4
C3.5	0.37	3.5	3	3	3	3	3	3	3
D7	0.53	7	6	5	4	4	4	4	4
D4.5	0.53	4.5	4	3	3	3	3	3	3
E5	0.73	5	4	4	4	4	4	4	4
E3	0.73	3	3	3	3	3	3	3	3
F5	1.06	5	4	4	4	4	4	4	4
F3.5	1.06	3.5	3	3	3	3	3	3	3
G5	1.45	5	4	4	4	4	4	4	4
G3.5	1.45	3.5	3	3	3	3	3	3	3
H4	1.75	4	3	3	3	3	3	3	3

TABLE 4 - WALL DESIGNS - RECTANGULAR STRUCTURES										
WALL DEPTH	SCHEDULE	WALL DEPTH	SCHEDULE	WALL THICKNESS	WALL DEPTH	SCHEDULE	WALL DEPTH	SCHEDULE	WALL THICKNESS	
11'-17" - 40'	A12	SIZE: 3'-6" x RISER	Inside/Outside	6"	10' - 18'	B10	6'-8"	6"	6"	
		10' - 18'	B5.5	6'-8"	18' - 29'	E5	18' - 29'	6"	6"	
		18' - 29'	C6.5	6'-8"	29' - 40'	F5	29' - 40'	6"	6"	
		29' - 40'	C3.5	6'-8"						
11'-17" - 40'	A12	11'-17" < 6'	B10	6'-8"	6' - 10'	B5.5	6'-8"	6"	6"	
		6' - 10'	B5.5	6'-8"	10' - 20'	C6.5	6'-8"	6"	6"	
		10' - 20'	C6.5	6'-8"	20' - 28'	C3.5	6'-8"	6"	6"	
		28' - 40'	D4.5	6'-8"						
11'-17" - 40'	A12	11'-17" < 5'	B5.5	6'-8"	5' - 9'	C6.5	6'-8"	6"	6"	
		9' - 15'	C3.5	6'-8"	15' - 22'	D4.5	6'-8"	6"	6"	
		22' - 40'	E3	8"						
11'-17" - 40'	A12	11'-17" - 9'	C3.5	6'-8"	9' - 15'	D4.5	6'-8"	6"	6"	
		15' - 26'	E3	8"	26' - 40'	D7	8"	6"	6"	
26' - 40'	A12	26' - 40'	D7	8"						
11'-17" - 20'	A12	11'-17" < 7'	B10	8"	7' - 10'	B5.5	8"	6"	6"	
		10' - 18'	D7	8"	18' - 29'	E5	8"	6"	6"	
		29' - 40'	F5	8"						
20' - 40'	B10	20' - 40'	B10	8"	20' - 28'	E5	20' - 28'	6"	6"	
		28' - 40'	F5	8"	40' - 48'	G5	8"	6"	6"	
11'-17" - 10'	B10	11'-17" < 7'	B10	8"	7' - 10'	B5.5	8"	6"	6"	
		10' - 18'	D7	8"	18' - 29'	E5	8"	6"	6"	
		29' - 40'	F5	8"						
20' - 40'	B10	20' - 40'	B10	8"	20' - 28'	E5	20' - 28'	6"	6"	
		28' - 40'	F5	8"	40' - 48'	G5	8"	6"	6"	

TABLE 4 NOTES:

1. Wall depth is measured to the top of the bottom slab for boxes and to the top of the intermediate slab for risers.
2. Wall height is the distance between top of lower slab to bottom of upper slab. Maximum wall height is 12' for wall lengths exceeding 5', or 10' for wall lengths exceeding 12'.
3. Wall lengths exceeding 8'-0" require two layers of reinforcing (See Table 4) with 2" of cover from the horizontal bars to the inside and outside faces for each layer.
4. Wall lengths exceeding the dimensions or depths shown in Table 4, or 12'-0" diameter require a special design.
5. Wall thickness and reinforcing for rectangular structures is based on the longer wall length.

LAST REVISION 1/01/20

DESCRIPTION:

FDOT

FY 2025-26

STANDARD PLANS

STRUCTURE BOTTOMS TYPE J AND P

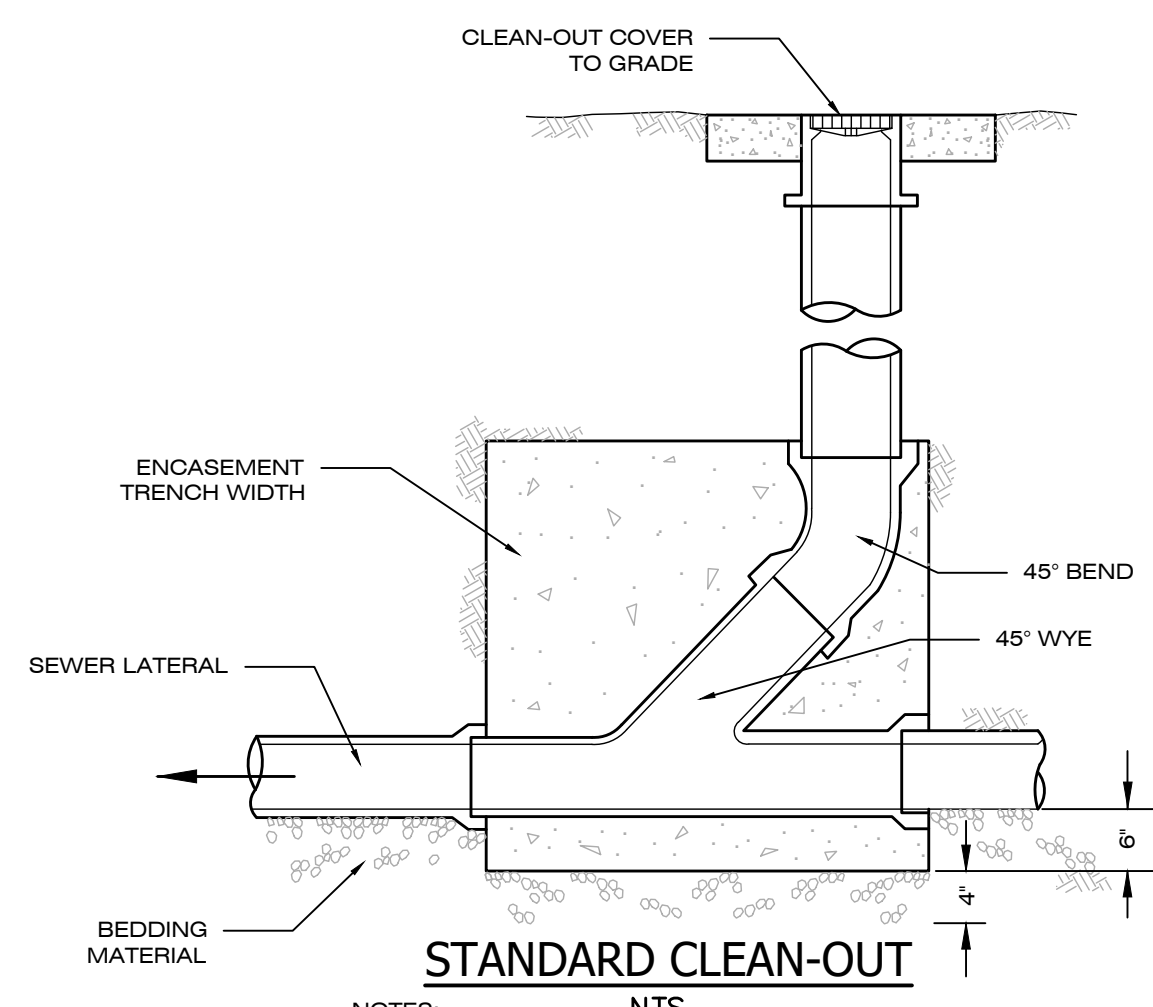
INDEX SHEET

425-010

3 of 4

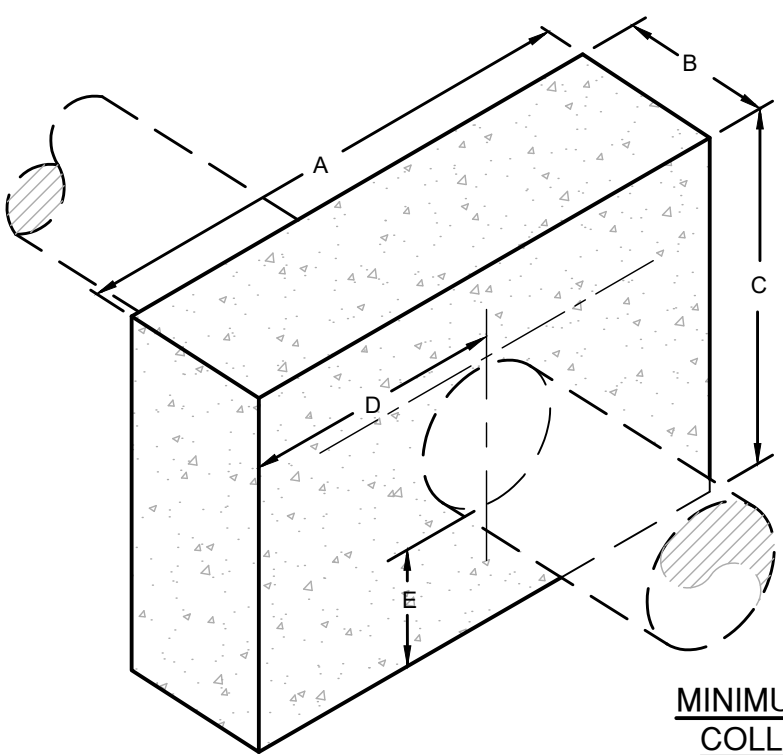
TABLES 1, 2, 3, AND 4

TABLE 5 - SLAB DESIGNS - SQUARE AND RECTANGULAR STRUCTURES (ALL SLABS 8" THICK EXCEPT AS NOTED - REINFORCING PARALLEL TO SHORT WAY AND LONG WAY)															
SHORT-WAY				LONG-WAY				SHORT-WAY				LONG-WAY			
SLAB DEPTH	SCHEDULE (Bars A)	SLAB DEPTH	SCHEDULE (Bars B)	SLAB DEPTH	SCHEDULE (Bars A)	SLAB DEPTH	SCHEDULE (Bars B)	SLAB DEPTH	SCHEDULE (Bars A)	SLAB DEPTH	SCHEDULE (Bars B)	SLAB DEPTH	SCHEDULE (Bars A)	SLAB DEPTH	SCHEDULE (Bars B)
SIZE: 3'-6" x UNLIMITED								SIZE: 8' x 8'							
10'-5" x 8"	B10	10'-5" x 24"	B10	10'-5" x 13"	C6.5	10'-5" x 10"	C3.5	10'-5" x 10"	D7	10'-5" x 9"	D4.5	10' x 19"	E5	9' x 13"	E5
8' x 13"	B5.5	24'-40"	B5.5	13' x 23"	D7	10' x 18"	D4.5	19'-30"	F5	12' x 18"	F5	19'-30"	F5	12' x 18"	F5
12' x 31"	C6.5			27' x 32"	E3			23'-30"	G3.5	23'-30"	G3.5				
31'-40"	D7														
SIZE: 4' x UNLIMITED								SIZE: 8' x 7'							
10'-5" x 7"	B5.5	10'-5" x 15"	B10	10'-5" x 8"	C6.5	10'-5" x 8"	D4.5	10'-5" x 8"	D7	10'-5" x 7"	D7	10'-5" x 8"	E3	7' x 9"	D4.5
7' x 19"	C6.5	15' x 29"	B5.5	8' x 16"	D7	8' x 12"	C3.5	14' x 23"	F5	9' x 15"	E3	14' x 23"	G3.5	15' x 20"	F5
19' x 31"	D7	29'-40"	C6.5	16' x 28"	E5	12' x 21"	D4.5	23'-31"	G3.5	15' x 20"	F5	23'-31"	G3.5	23'-31"	G3.5
31'-40"	E5			28'-40"	F5	21' x 28"	E5	30' x 35"	E3			23'-31"	G3.5		
SIZE: 5' x 5'								SIZE: 8' x 6'							
10'-5" x 3"	C6.5	10'-5" x 3"	C6.5	10'-5" x 6"	C6.5	10'-5" x 6"	D4.5	10'-5" x 6"	D7	10'-5" x 7"	D7	10'-5" x 6"	D7	10'-5" x 7"	D7
3' x 7"	B5.5	3' x 13"	C6.5	7' x 22"	C6.5	7' x 17"	D7	12' x 22"	D4.5	7' x 10"	E3	7' x 10"	E3	7' x 10"	E3
22' x 29"	D7	22' x 29"	D4.5	29'-40"	E5	22' x 35"	E5	32' x 35"	E5	17' x 22"	D4.5	17' x 22"	D4.5	17' x 22"	D4.5
SIZE: 6' x 6'								SIZE: 8' x 8'							
10'-5" x 12"	C6.5	10'-5" x 3"	C6.5	12' x 26"	D7	3' x 9"	B5.5	10'-5" x 12"	C6.5	10'-5" x 12"	C6.5	12' x 26"	D7	3' x 9"	B5.5
20' x 40"	E5	9' x 39"	C3.5	22' x 39"	D4.5	35'-40"	E5	22' x 35"	E5	32' x 40"	E5	22' x 35"	E5	32' x 40"	E5
SIZE: 8' x 8'								SIZE: 10'x10							



STANDARD CLEAN-OUT
NTS

- NOTES:
- CLEAN-OUT PIPE SIZE SHALL MATCH EXISTING LATERAL.
 - NEW SEWER LATERALS AND CLEAN-OUTS SHALL BE 8-INCH.
 - ENTIRE WYE SECTION TO BE ENCASED IN CONTROLLED LOW STRENGTH MATERIAL OR GRANULAR FILL.



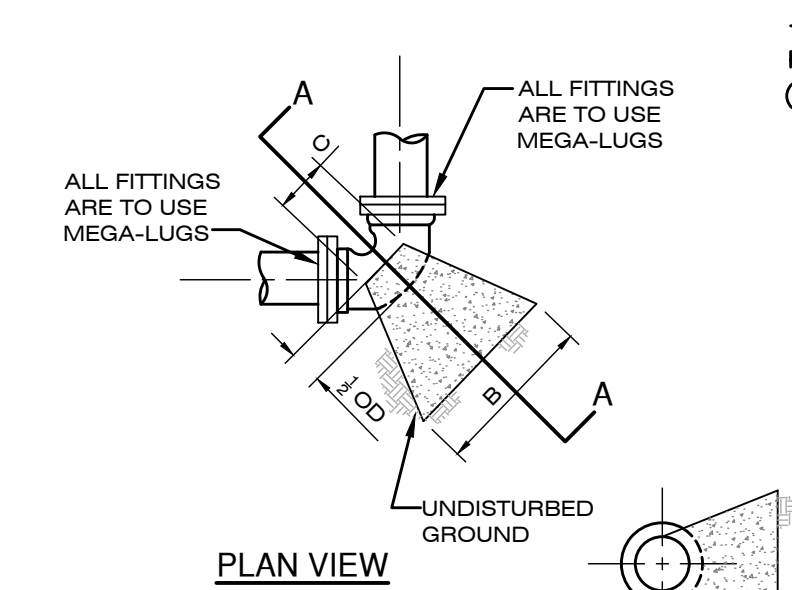
MINIMUM DIMENSIONS IN FEET FOR CONCRETE COLLAR ON DUCTILE IRON PIPE TO BE USED WITH EMBEDDED DUCTILE IRON RETAINER GLAND

PIPE SIZE	A	B	C	D	E	VOLUME CU. YDS.	CONC. WT.	THRUST
4"	3'-6"	3'-0"	1'-5"	1'-6"	1'-0"	0.55	2230	3150
6"	4'-0"	3'-0"	2'-7"	2'-0"	1'-0"	1.15	4650	7070
8"	4'-6"	3'-0"	3'-0"	2'-3"	1'-3"	1.50	6075	12,570
10"	5'-2"	3'-0"	3'-2"	2'-7"	1'-3"	1.81	7330	19,635
12"	5'-9"	3'-0"	3'-8"	2'-10 1/2"	1'-8"	2.34	9475	28,775
14"	6'-6"	3'-0"	4'-0"	3'-3"	1'-9"	2.89	11,700	36,490
16"	6'-9"	3'-0"	4'-9"	3'-3"	2'-3"	3.58	14,410	50,270

THRUST RESTRAINT CONCRETE COLLAR

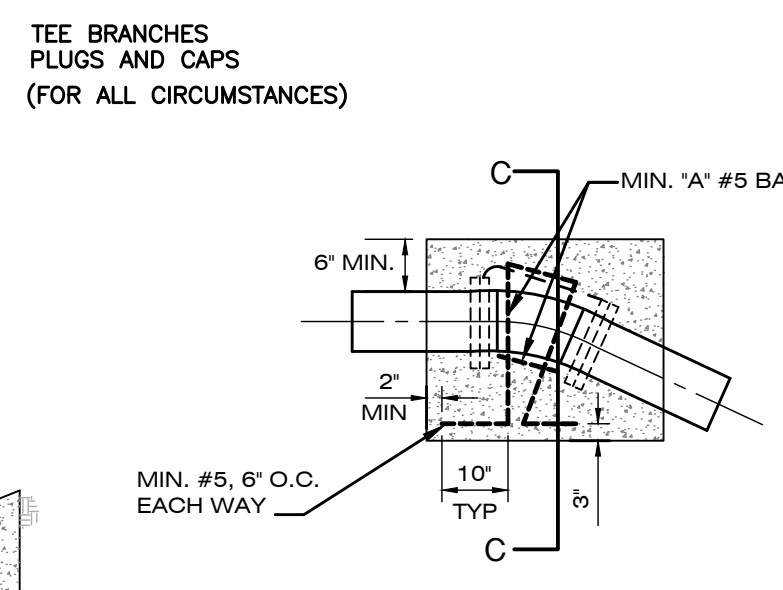
GENERAL NOTES:

- SOIL CONDITIONS SHALL BE VERIFIED BY ENGINEER BEFORE THRUST BLOCK IS CONSTRUCTED WHERE SOIL BEARING PRESSURE IS LESS THAN 2000 LB/FT². THRUST BLOCK BEARING AREA SHALL BE INCREASED APPROPRIATELY.
- ALL CONCRETE SHALL BE CLASS A, 4000 P.S.I.

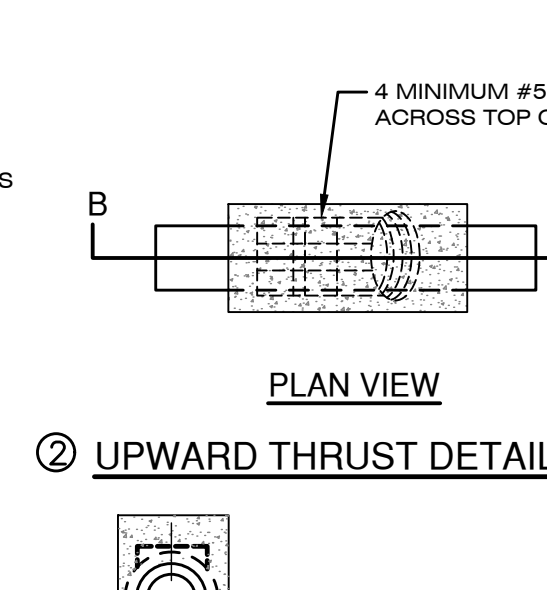


① HORIZONTAL THRUST DETAIL

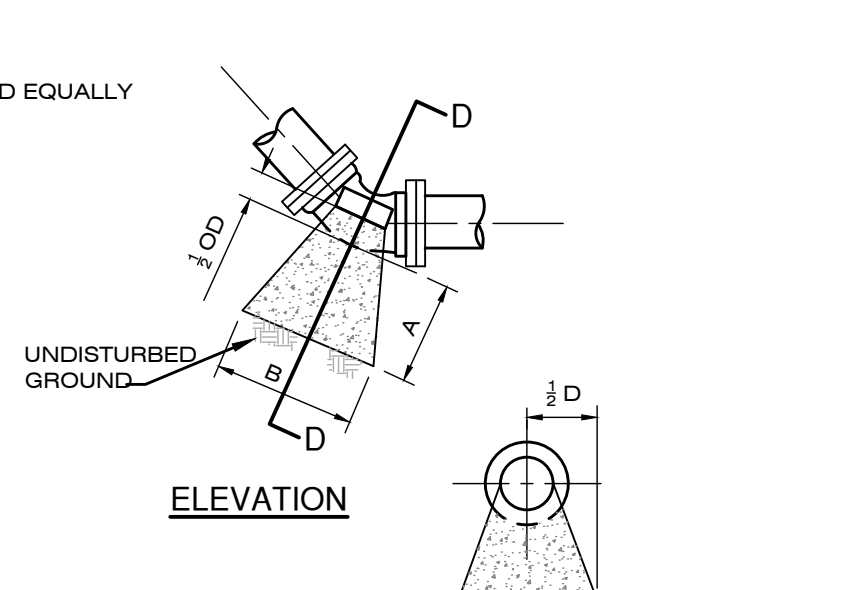
SECTION A-A



SECTION B-B



SECTION C-C



③ DOWNWARD THRUST DETAIL

① DIMENSIONS FOR CONCRETE BLOCKING HORIZONTAL THRUST

BEND	SIZE	A (FT)	B (FT)	C (IN)	D (FT)	VOLUME (CU. YD.)
11 1/2"	6"	1.0	2.0	7"	1.0	0.04
	8"	1.0	2.0	7"	1.0	0.05
	12"	2.0	3.0	11"	2.0	0.1
	16"	2.0	3.0	15"	2.0	0.3
22 1/2"	6"	1.0	2.0	7"	1.0	0.05
	8"	1.0	2.0	7"	2.0	0.1
	12"	2.0	3.0	11"	2.0	0.3
	16"	2.0	4.0	15"	3.0	0.6
45"	6"	1.5	2.0	7"	1.5	0.11
	8"	2.0	3.0	7"	2.0	0.3
	12"	2.0	4.0	11"	3.0	0.7
	16"	3.0	5.0	15"	4.0	1.4
90"	6"	1.75	2.5	7"	2.0	0.2
	8"	2.0	3.0	7"	3.0	0.4
	12"	4.0	6.0	11"	4.0	2.1
	16"	4.0	7.0	15"	5.0	3.1
20"	6"	1.5	2.0	7"	1.75	0.13
	8"	2.0	3.0	7"	2.0	0.3
	12"	2.0	4.0	11"	4.0	0.8
	16"	3.0	5.0	15"	5.0	1.5
20"	6"	4.0	7.0	19"	6.0	3.9
	8"	4.0	7.0	19"	6.0	3.9
	12"	4.0	7.0	19"	6.0	3.9
	16"	4.0	7.0	19"	6.0	3.9

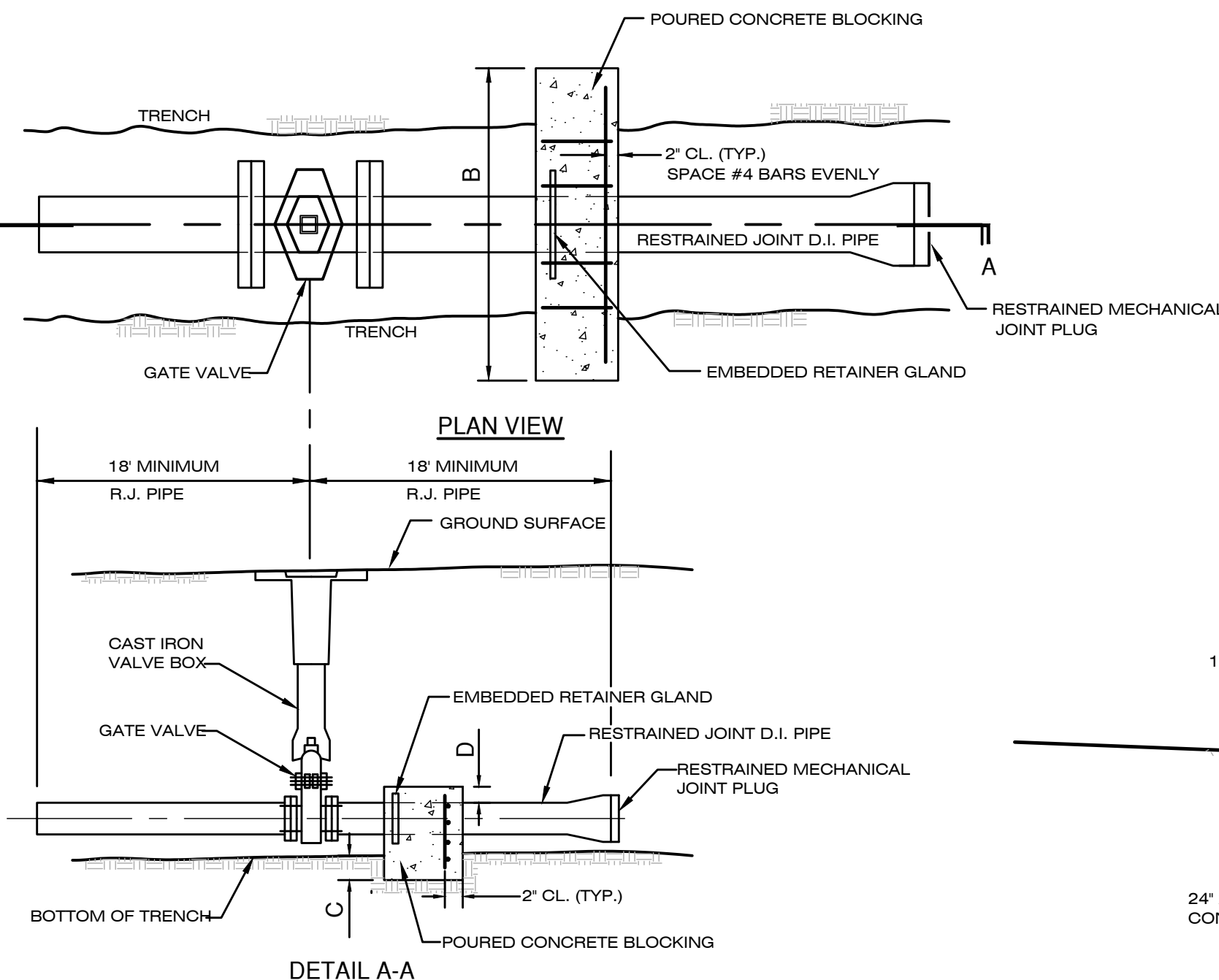
② CONCRETE REQUIRED TO RESIST UPWARD THRUST

BEND	SIZE	VOLUME (CU. YD.)	"A" NO. OF VERT. BARS REQ'D.
11 1/2"	6"	0.3	2
	8"	0.5	2
	12"	1.4	2
	16"	2.4	3
22 1/2"	6"	0.7	2
	8"	1.2	2
	12"	2.7	2
	16"	4.8	3
45"	6"	1.2	2
	8"	2.2	2
	12"	4.9	2
	16"	8.8	3
90"	6"	1.8	2
	8"	3.1	2
	12"	7.0	3
	16"	12.4	3
20"	6"	19.4	4
	8"	19.4	4
	12"	19.4	4
	16"	19.4	4

③ DIMENSIONS FOR CONCRETE BLOCKING FOR BENDS-DOWNWARD THRUST

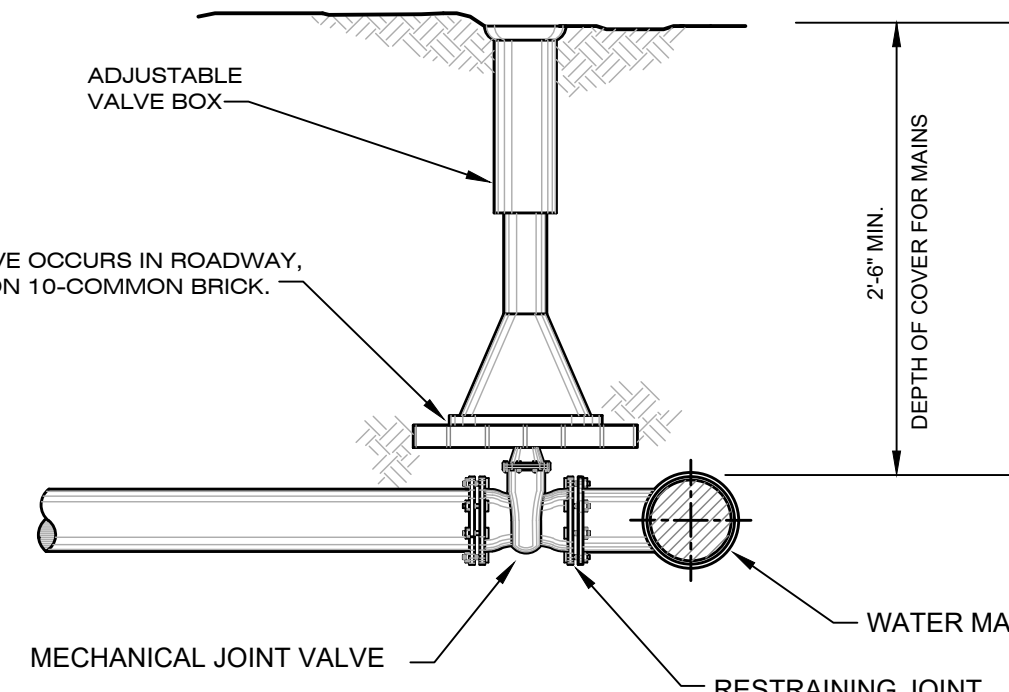
BEND	SIZE	A (FT)	B (FT)	C (IN)	D (FT)	VOLUME (CU. YD.)
11 1/2"	6"	1.0	2.0	7"	1.0	0.04
	8"	1.0	2.0	7"	1.0	0.05
	12"	2.0	3.0	11"	2.0	0.1
	16"	2.0	3.0	15"	2.0	0.3
22 1/2"	6"	1.0	2.0	7"	1.0	0.05
	8"	1.0	2.0	7"	2.0	0.1
	12"	2.0	3.0	11"	2.0	0.3
	16"	2.0	4.0	15"	3.0	0.6
45"	6"	1.5	2.0	7"	1.5	0.11
	8"	2.0	3.0	7"	2.0	0.3
	12"	2.0	4.0	11"	3.0	0.7
	16"	3.0	5.0	15"	4.0	1.4
90"	6"	1.75	2.5	7"	2.0	0.2
	8"	2.0	3.0	7"	3.0	0.4
	12"	4.0	6.0	11"	4.0	2.1
	16"	4.0	7.0	15"	5.0	3.1
20"	6"	5.0	8.0	19"	7.0	5.3
	8"	5.0	8.0	19"	7.0	5.3
	12"	5.0	8.0	19"	7.0	5.3
	16"	5.0	8.0	19"	7.0	5.3

WATER SERVICE CONNECTION DETAIL
OR AS REQUIRED BY LOCAL UTILITY AUTHORITY

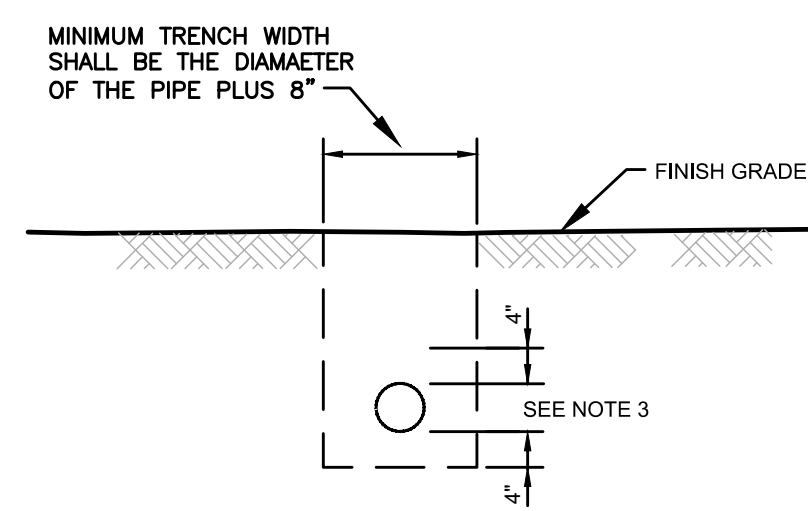


BLOCKING DETAILS

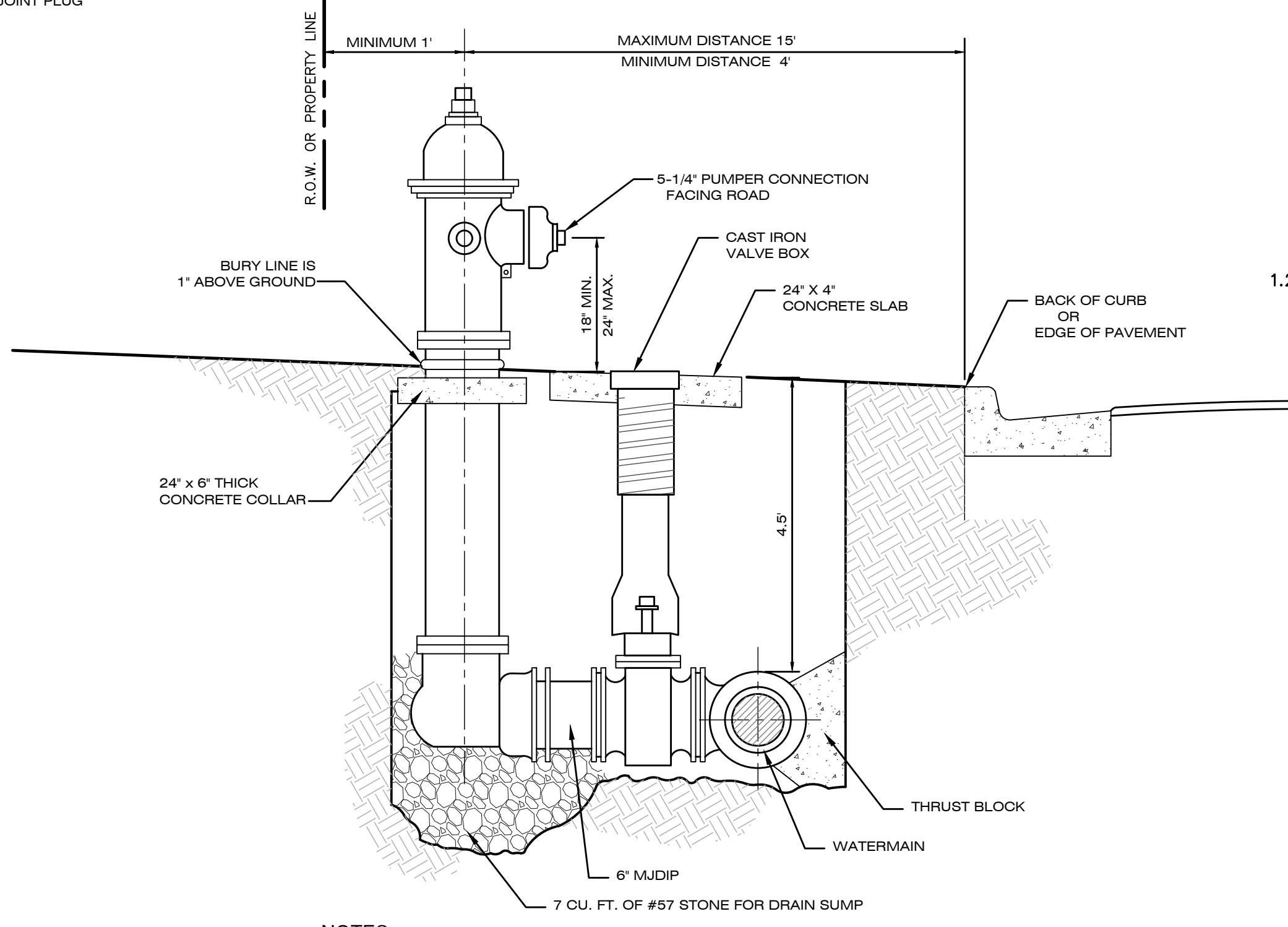
- NOTES:
- ANCHOR BLOCKING DETAIL TO BE USED WHERE WATERLINE MAY BE EXTENDED AT A FUTURE DATE.
 - ALL CONCRETE TO BE 3000 PSI.
 - ALL STEEL TO BE 60,000 PSI.



TYPICAL VALVE SETTING

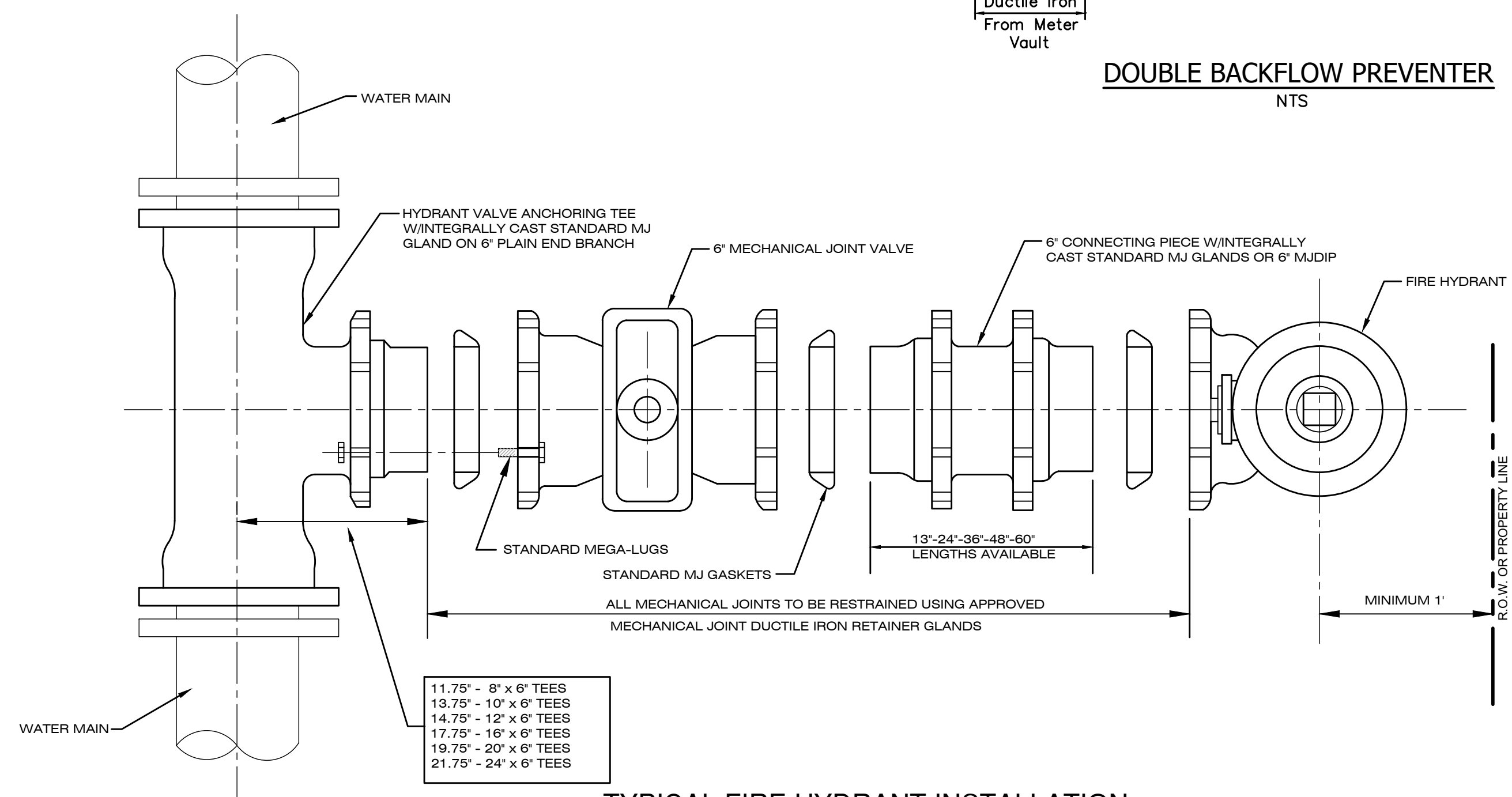


LATERAL TRENCH SECTION

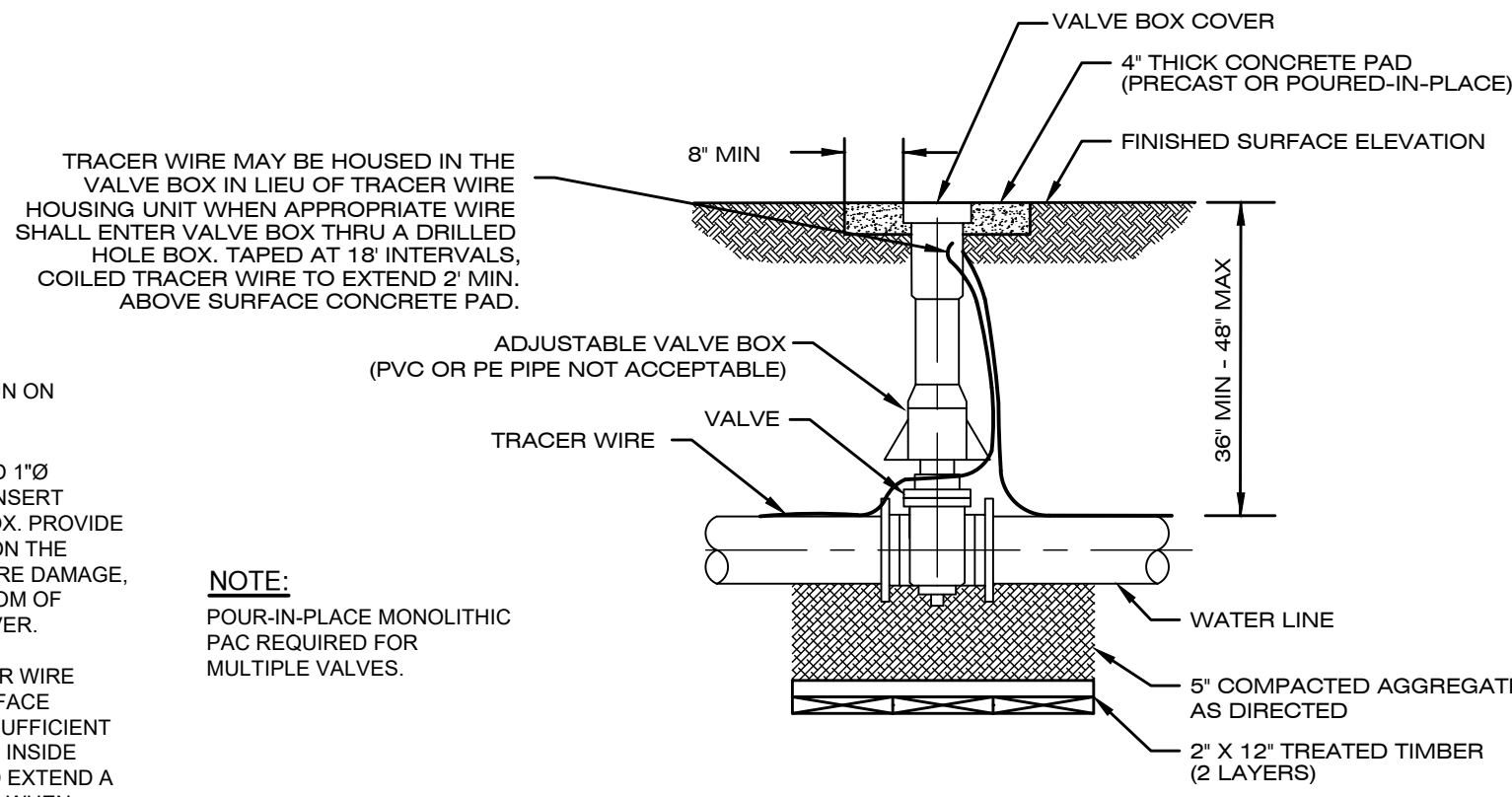


- NOTES:
- FIRE HYDRANTS SHALL BE PLACED AT STREET INTERSECTIONS OR IN THE RIGHT-OF-WAY ADJACENT TO SIDE LOT LINES WHENEVER POSSIBLE.
 - ALL VALVES MUST BE RATED AT WORKING PRESSURE OF 200 PSI AND TESTED AT A PRESSURE OF 250 PSI.
 - ALL FIRE HYDRANTS MUST BE MUELLER A-423 AND BE ACCOMPANIED BY A MANUFACTURER'S CERTIFICATE THAT STATES EACH FIRE HYDRANT HAS BEEN TESTED AT AWWA SPECIFICATIONS C502-85 OR LATER VERSION.
 - CONCRETE STRENGTH TEST REQUIRED FOR ALL POURED-IN-PLACE CONCRETE.
 - FIRE HYDRANTS SHALL BE MUELLER CENTURIAN NO. A-423 OR APPROVED EQUAL.

TYPICAL FIRE HYDRANT SETTING



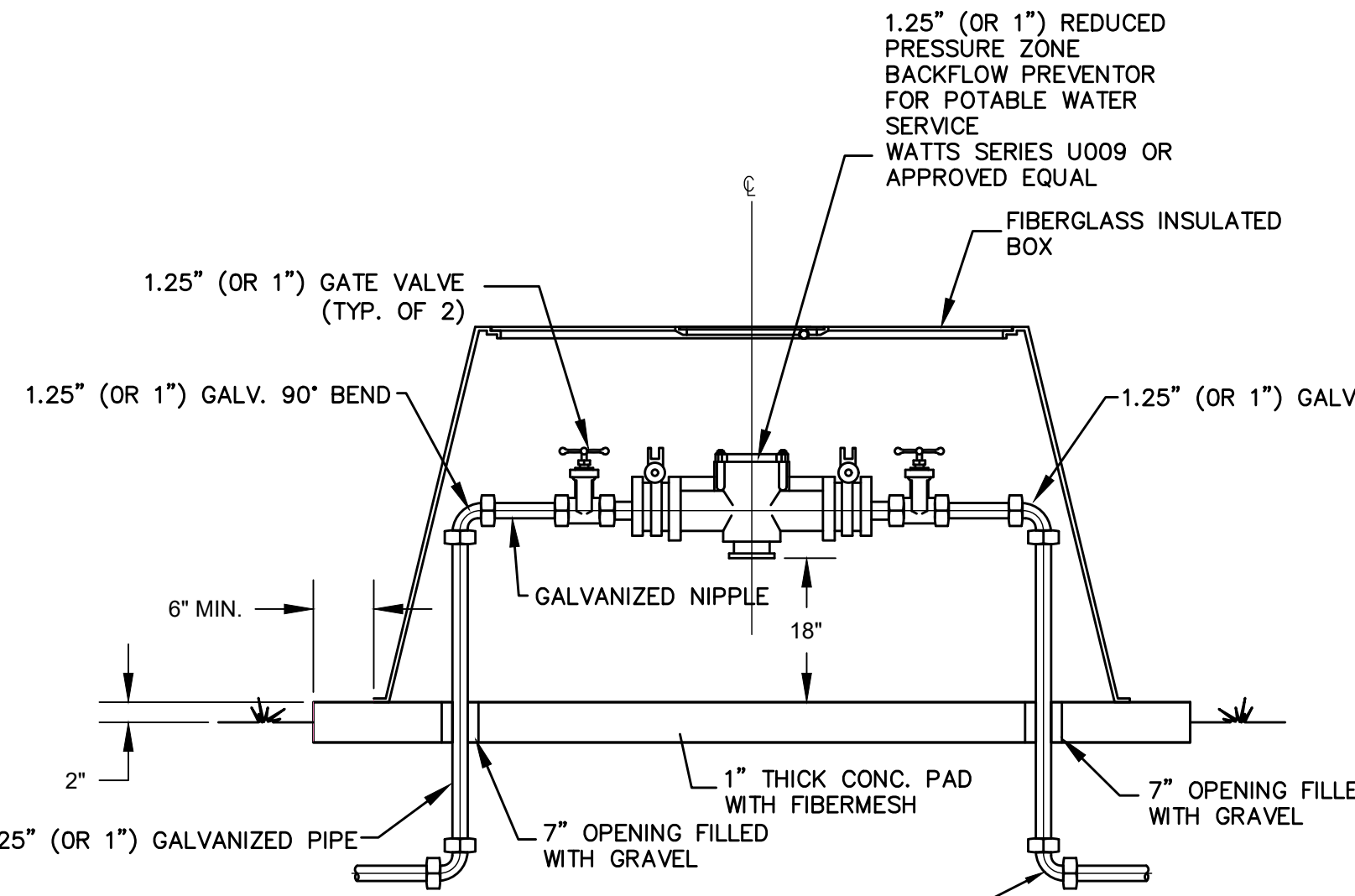
TYPICAL FIRE HYDRANT INSTALLATION



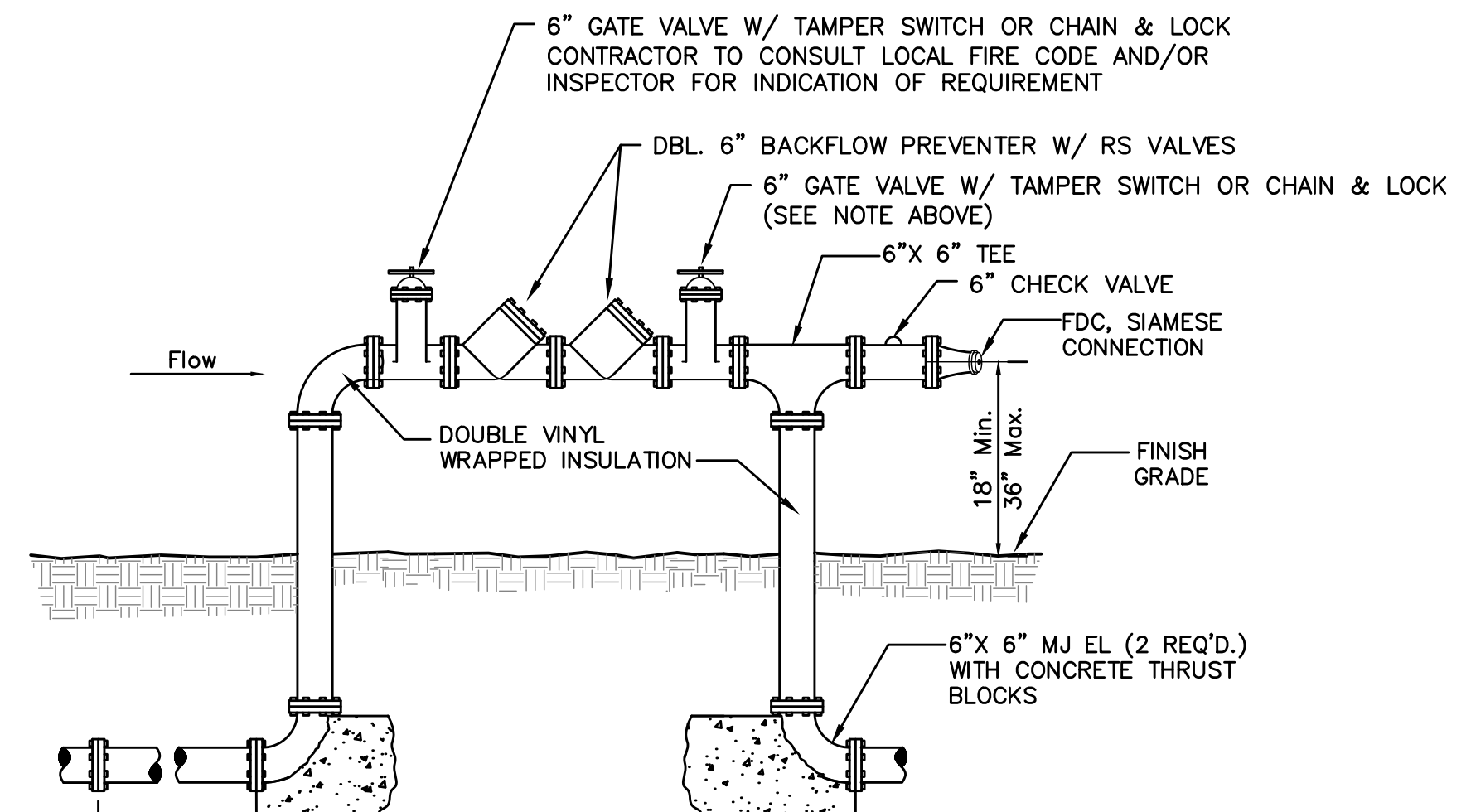
TYPICAL VALVE, BOX AND TRACER WIRE INSTALLATION
OR AS REQUIRED BY LOCAL UTILITY AUTHORITY

- NOTE:
- NEW TRACER WIRE TO BE RUN ON OUTSIDE OF VALVE BOX
 - DRILL HOLE 7/8" MINIMUM AND 1 1/8" MAXIMUM IN VALVE BOX AND INSERT TRACER WIRE TO INSIDE OF BOX. PROVIDE A SMOOTH EDGED GROMMET ON THE DRILLED HOLE TO PREVENT WIRE DAMAGE. HOLE TO BE 2'-4" BELOW BOTTOM OF VALVE PAD AND/OR VALVE COVER.
 - COILED CONTINUOUS TRACER WIRE TO EXTEND 2' MIN ABOVE SURFACE OF CONCRETE PAD. PROVIDE SUFFICIENT LENGTH OF CONTINUOUS WIRE INSIDE VALVE BOX TO ALLOW WIRE TO EXTEND A MINIMUM OF 2' ABOVE GROUND WHEN NECESSARY.

- NOTE:
- POUR-IN-PLACE MONOLITHIC PAC REQUIRED FOR MULTIPLE VALVES.



1.25" (OR 1") BACKFLOW PREVENTER
NTS



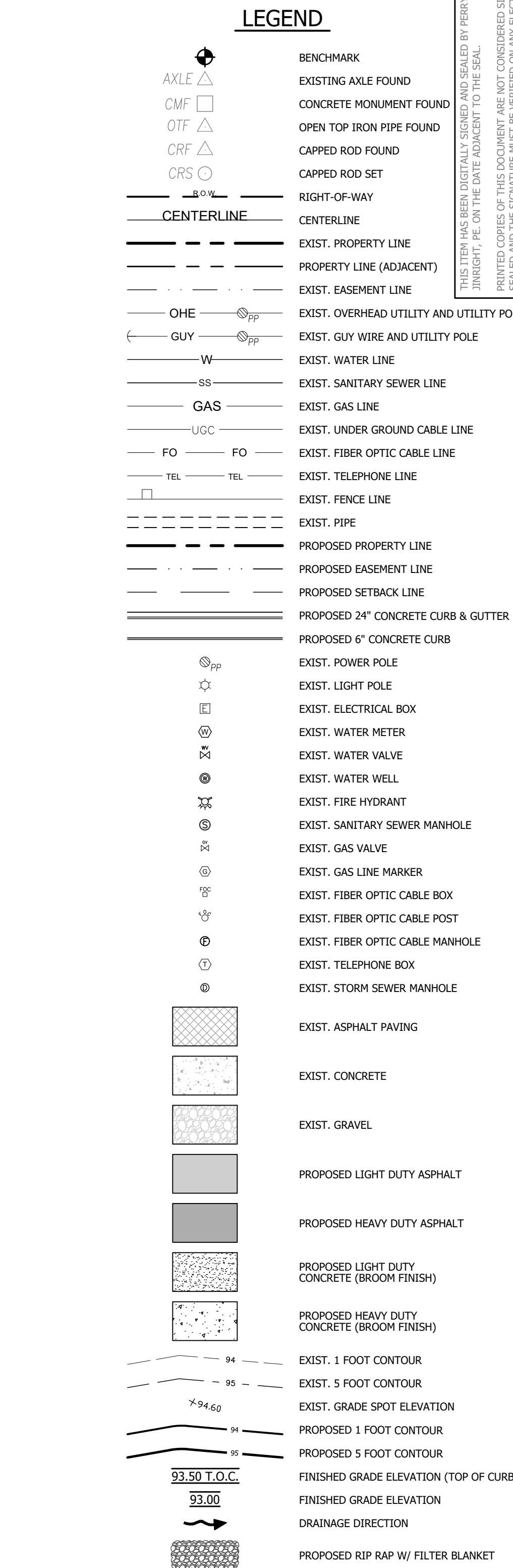
DOUBLE BACKFLOW PREVENTER
NTS

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JINRIGHT, P.E. ON THE DATE ADJACENT TO THE SEAL
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1. ALL EROSION CONTROL MEASURES ARE TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE LATEST FDP STANDARDS.
2. ALL AREAS LEFT UNATTENDED FOR LONGER THAN 14 DAYS SHALL BE COVERED WITH SEASONAL TEMPORARY SEEDING AND MULCHING.
3. ALL SLOPES SHALL BE TRACKED PERPENDICULAR TO THE SLOPE.
4. NO WORK SHALL COMMENCE UNTIL ALL APPLICABLE EROSION CONTROL MEASURES HAVE BEEN INSTALLED, INSPECTED BY THE PROJECT ENGINEER, AND APPROVED.
5. STORMWATER DETENTION POND OR SEDIMENT BASIN SHALL BE CONSTRUCTED, INSPECTED, AND APPROVED PRIOR TO WORK ON ANY OTHER TASK, UNLESS OTHERWISE APPROVED BY THE PROJECT ENGINEER.
6. ALL DISTURBED AREAS WILL BE PROPERLY STABILIZED. CONTRACTOR TO COORDINATE WITH LANDSCAPE PLAN FOR FINAL PLANTING REQUIREMENTS.
7. 4" MIN TOPSOIL TO BE SPREAD ACROSS DISTURBED SURFACES. SEE FINAL LANDSCAPE HAS BEEN ESTIMATED. CONTRACTOR TO PROVIDE SEED/SOIL AS PER EROSION CONTROL PLAN AND STABILIZE DISTURBED AREAS PER FDP REQUIREMENTS

A DUMPSTER OF SUITABLE SIZE SHALL BE ON-SITE DURING ALL PHASES OF CONSTRUCTION ACTIVITIES AND EMPTIED AT A SUITABLE PERMITTED DISPOSAL SITE AND REPLACED AS NEEDED THROUGHOUT THE DURATION OF THE PROJECT. ALL DISPOSAL SHALL MEET ALL LOCAL, STATE, AND FEDERAL CODES AND REGULATIONS.

ALL EROSION CONTROLS SHALL BE INSPECTED BY A QUALIFIED PERSON WITHIN 24 HOURS OF A RAINFALL EVENT OF 1/2 INCH OR GREATER AND REPAIRED AS NEEDED.



- INSTALL CONSTRUCTION ENTRANCE/EXIT
- CLEAR AREA REQUIRED FOR SILT FENCE PLACEMENT
- INSTALL SILT FENCE (SBA)

- CONSTRUCT AND STABILIZE WATER QUALITY PONDS/SEDIMENT BASINS
- WATTLES, INLET, AND OUTLET PROTECTION TO BE INSTALLED

- DEMOLITION AND REMOVAL OF DEMO DEBRIS
- CLEAR/GRUB REMAINING SITE AREAS

- INSTALL STORM DRAINAGE MEASURES
- GRADE SITE TO ROUGH GRADES

- CONSTRUCT UTILITIES (WATER, SEWER)
- BUILDING CONSTRUCTION BEGINS

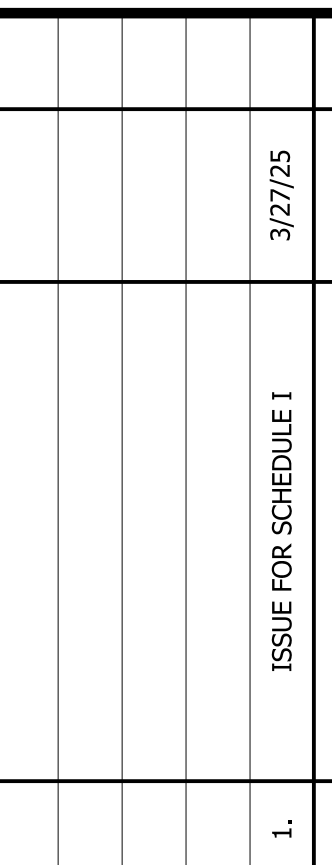
- CONSTRUCT ROADS (PAVING, CURB AND GUTTER, SIDEWALKS)
- BUILDING CONSTRUCTION CONTINUES

- BUILDING CONSTRUCTION COMPLETED
- STABILIZE DISTURBED AREAS WITH SOLID SOD
- INSTALL PERMANENT LANDSCAPING

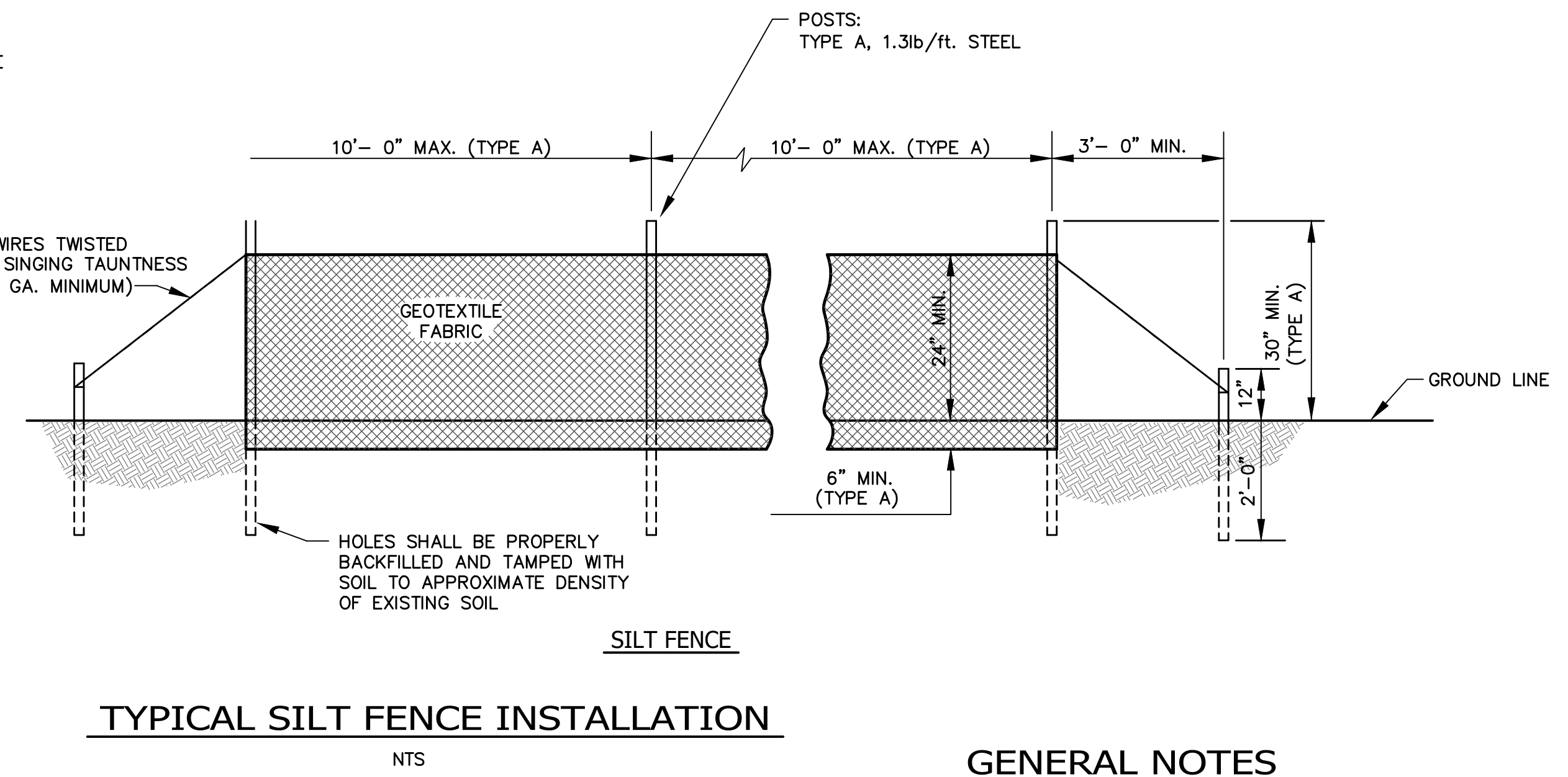
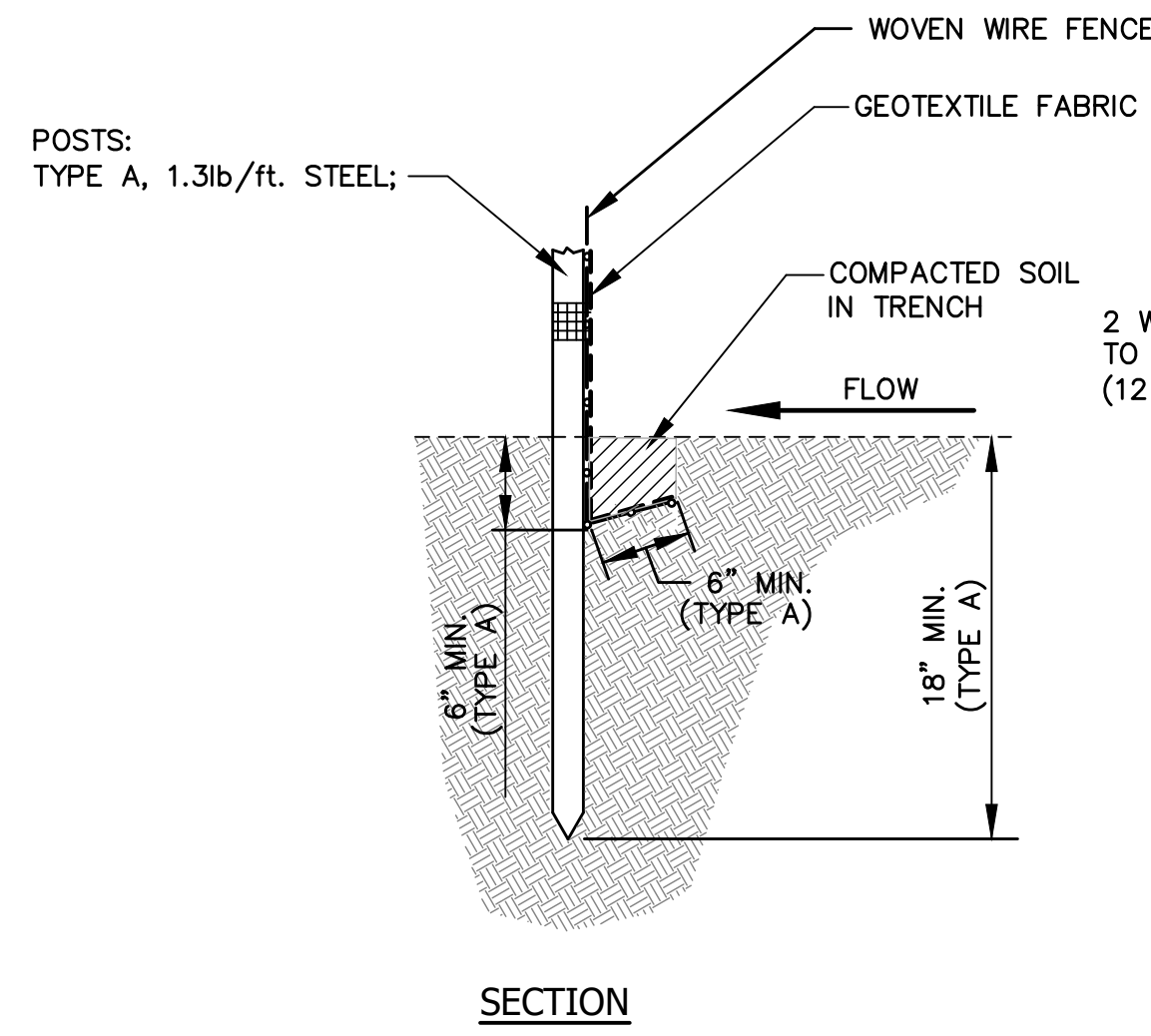
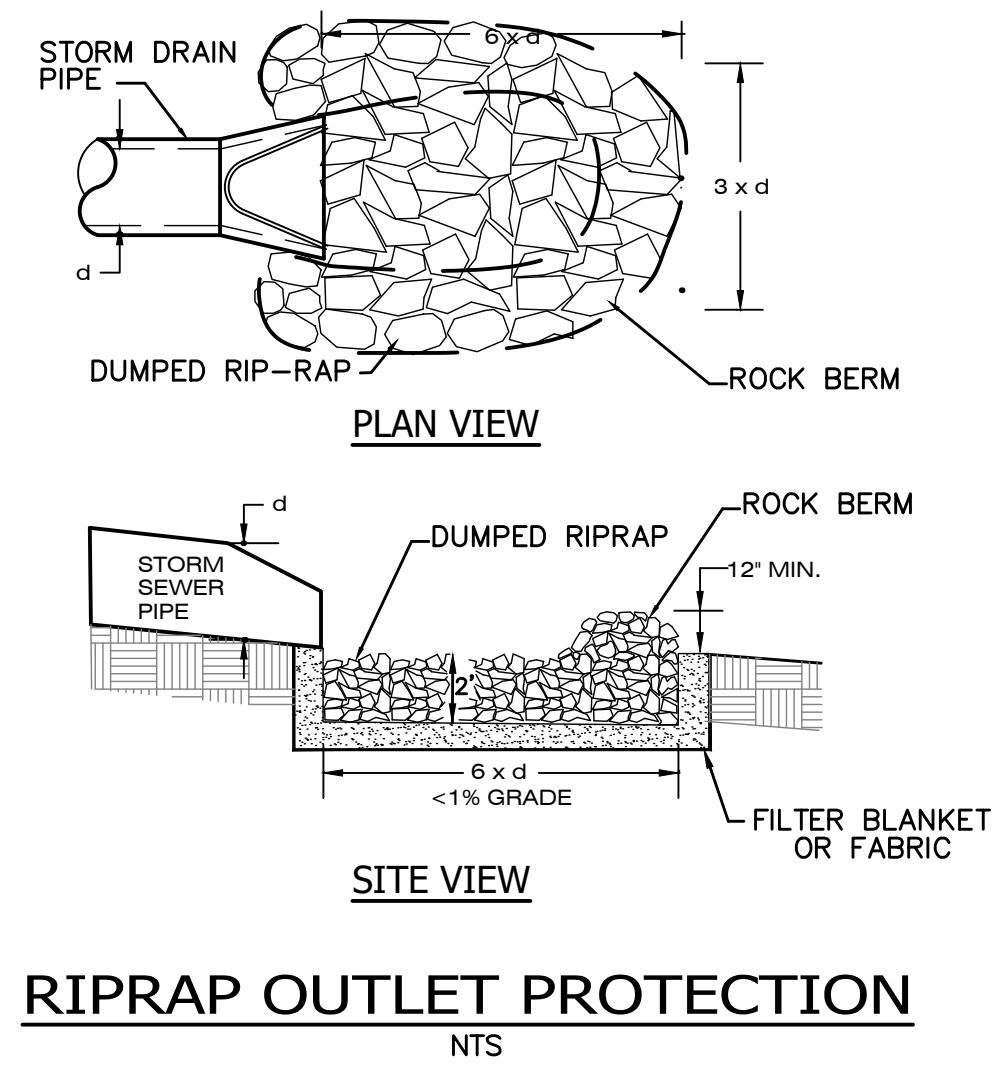
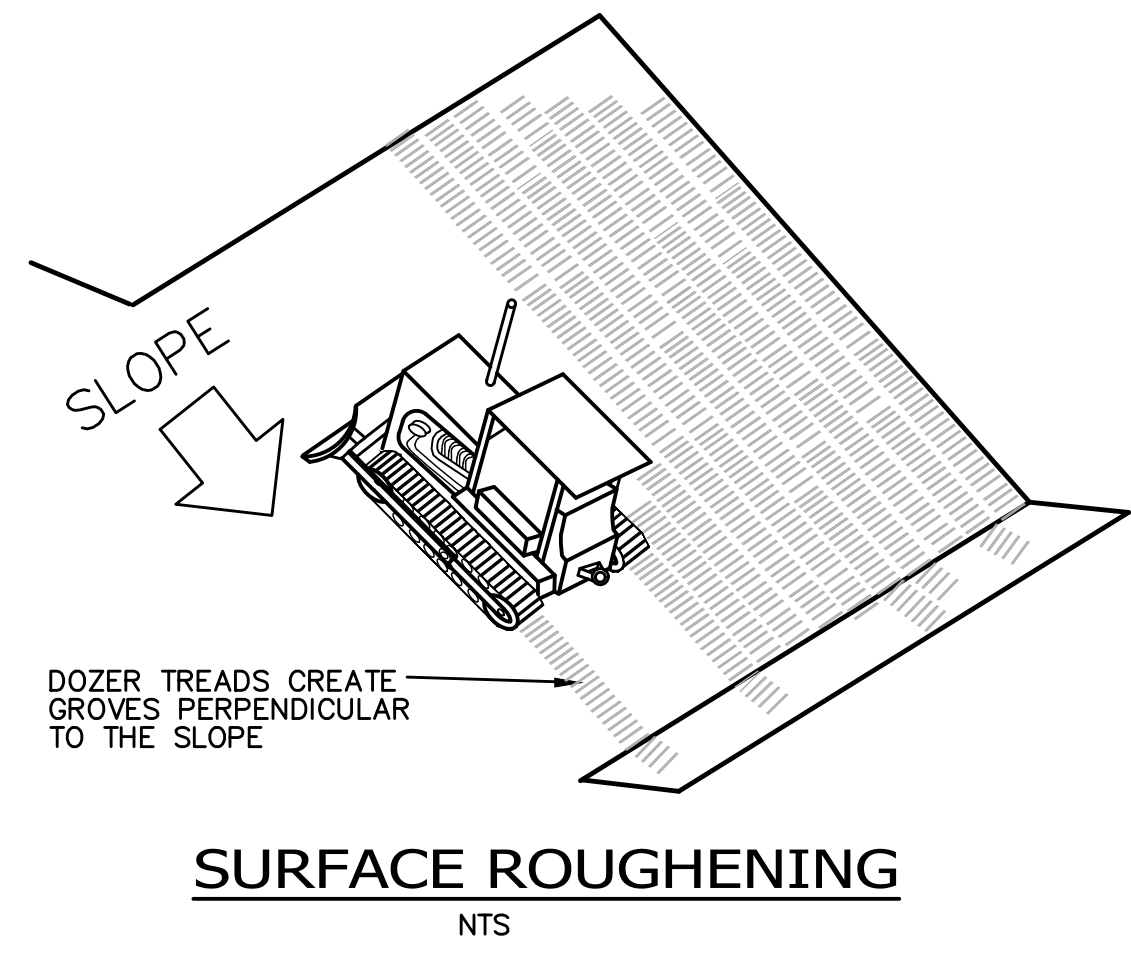
- REMOVE BMP MEASURES

- REMOVE SILT FENCE
- PROJECT COMPLETE, FINAL INSPECTION, FILE NOTICE OF TERMINATION

Jinright & Associates Development Engineers
208 Greeno Road North Fairhope, Alabama 36532
P.O. Box 1920 Fairhope, Alabama 36533
Phone: (251) 928-3443 Fax: (251) 928-3665
jadedengineers.com FL, CA-27624



JOB NO: 24-1941.20
SCALE: 1" = 30'
DATE: MARCH 2025
DRAFTER: JP/TVML
SHEET: C12

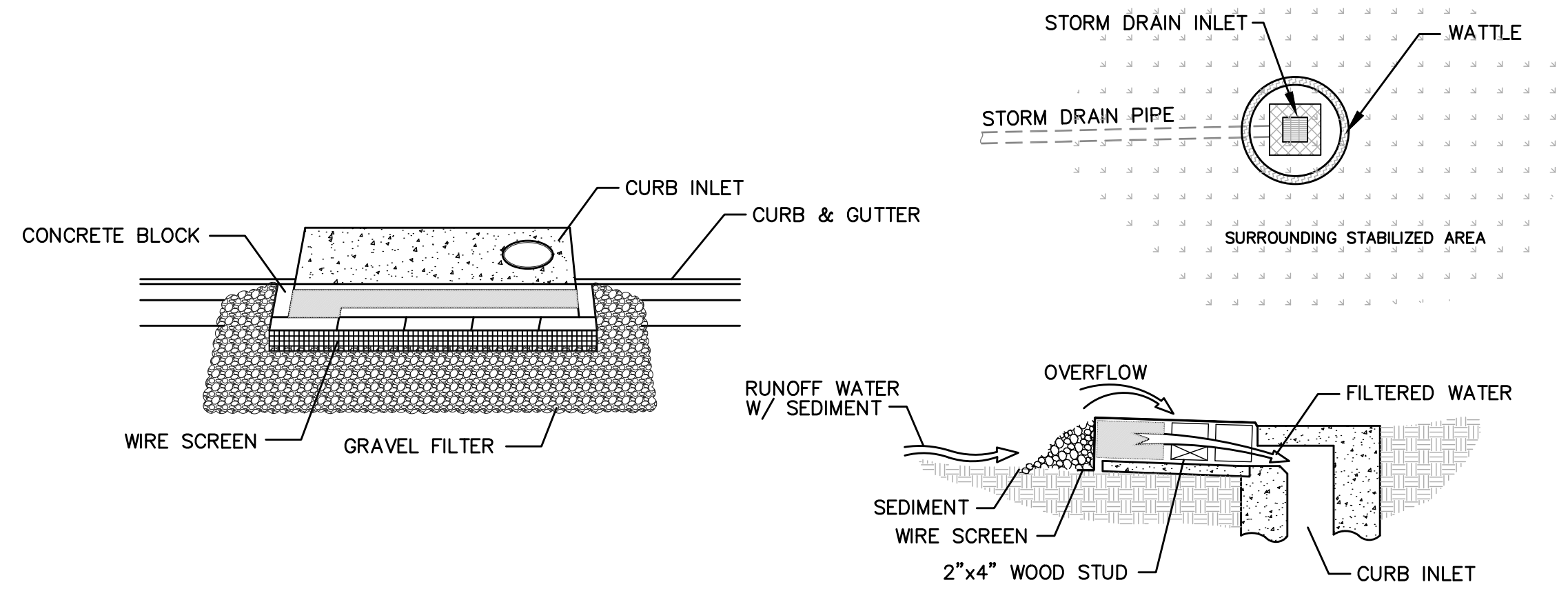
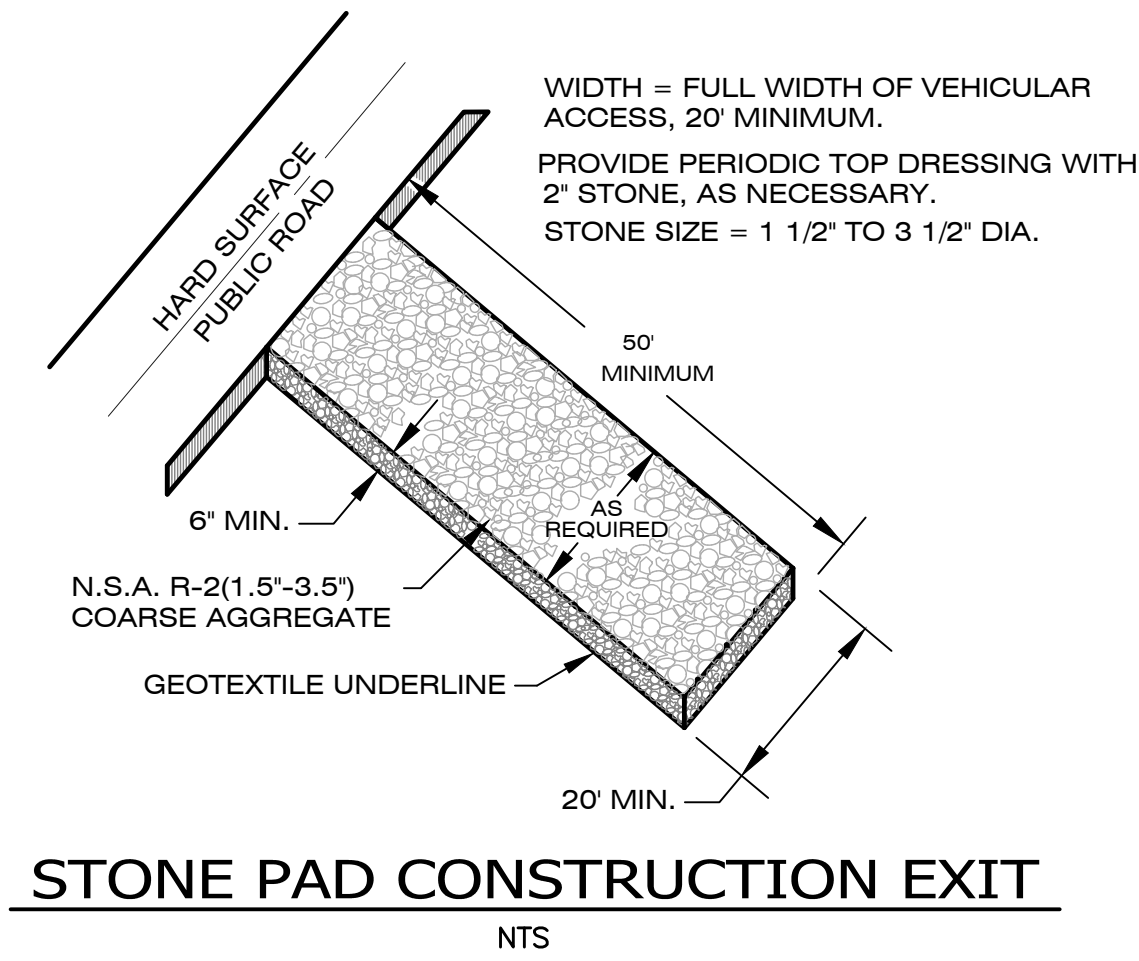


GENERAL NOTES

1. TYPE "A" SILT FENCE SHALL NOT BE USED IN AREAS OF CONCENTRATED FLOW.
2. SILT FENCES ARE TEMPORARY EROSION CONTROL ITEMS THAT SHALL BE ERECTED OPPOSITE ERODIBLE AREAS SUCH AS NEWLY GRADED FILL SLOPES AND ADJACENT TO STREAMS AND CHANNELS.
3. REPAIR OR REPLACE DAMAGED FABRIC AND SUPPORTS AS NEEDED AND REMOVE SEDIMENT WHEN IT HAS ACCUMULATED OVER 1/3 OF THE HEIGHT OF THE FENCE. SEDIMENT MUST BE RETURNED TO SUITABLE ONSITE SEDIMENT STOCKPILE OR TRUCKED OFFSITE AND DEPOSITED IN AN APPROPRIATE DIRT STORAGE FACILITY.
4. WHEREVER POSSIBLE, SILT FENCES SHALL BE CONSTRUCTED ACROSS A FLAT AREA IN THE SHAPE OF A HORSESHOE. THIS AIDS IN PONDING OF RUNOFF AND FACILITATES SEDIMENTATION.
5. AFTER THE CONSTRUCTION AREA IS STABILIZED AND EROSION ACTIVITY CURTAILED, SILT FENCES SHALL BE REMOVED.
6. RING FASTENERS USED TO SECURE GEOTEXTILES TO WOVEN WIRE SHALL BE 13 GA. (AMERICAN).
7. IF WOOD POSTS ARE USED, STAPLES FOR SECURING WOVEN WIRE TO POSTS SHALL BE 17 GAUGE MIN., 3/4" WIDE AND 1/2" LONG. FIVE (5) PER POST @ APPROXIMATELY 1'-0" ON CENTER. IF NAILS ARE USED THEY SHALL BE 14 GAUGE MIN., 1" LONG WITH A 3/4" BUTTON HEAD, FOUR (4) MINIMUM.
8. WOVEN WIRE TO BE 12 1/2 GAUGE (MINIMUM).

SPECIFICATIONS

CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION
AND THE FLORIDA HANDBOOK FOR EROSION CONTROL,
SEDIMENT CONTROL AND STORMWATER MANAGEMENT
ON CONSTRUCTION SITES AND URBAN AREAS



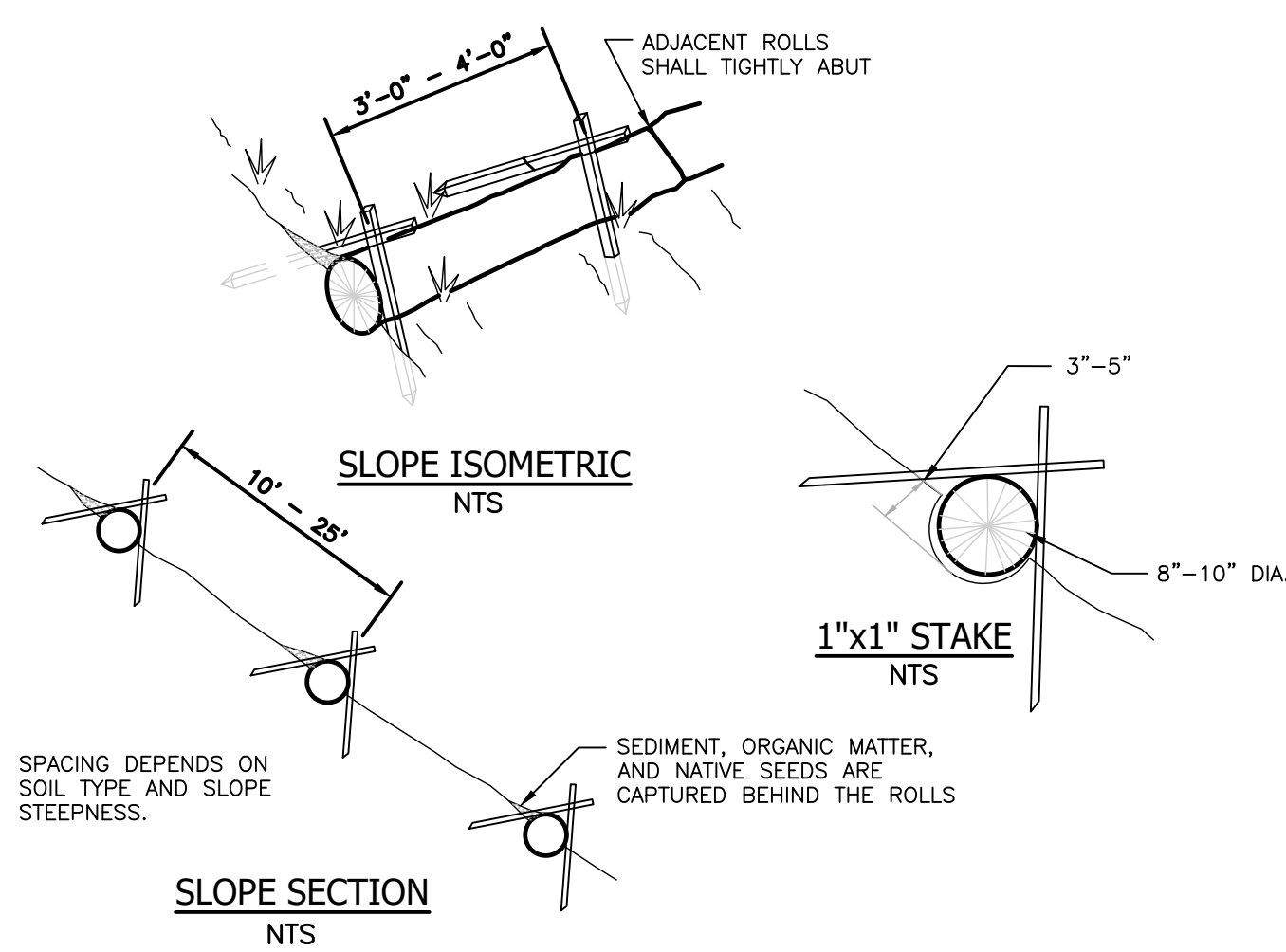
BLOCK & GRAVEL CURB INLET SEDIMENT FILTER

SPECIFIC APPLICATION

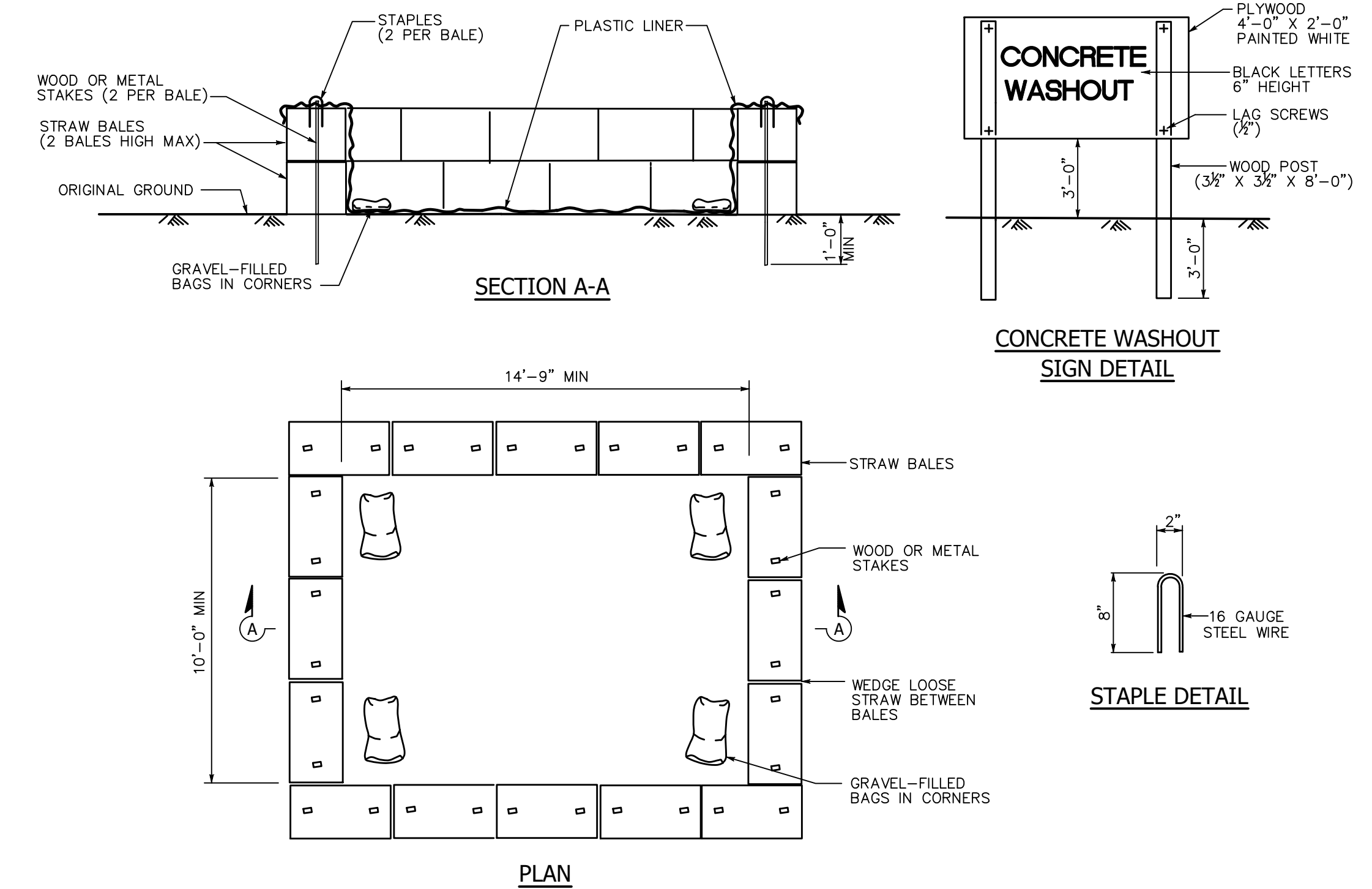
THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE AN OVERFLOW CAPABILITY IS NECESSARY TO PREVENT EXCESSIVE PONDING IN FRONT OF THE STRUCTURE.

MAINTENANCE

- 1) THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
- 2) SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
- 3) STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



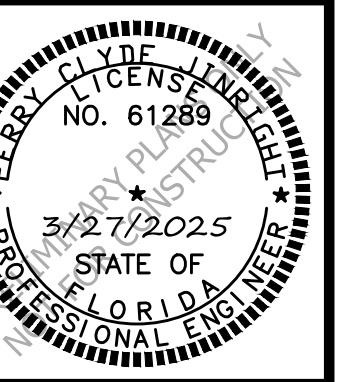
- NOTES:
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3" - 5" DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.



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CONSULTING

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208 Green Road North Fairhope, Alabama 36532
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Phone: (251) 928-3443 Fax: (251) 928-3665
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NO.	REVISION	DATE	APPR.
1.	ISSUE FOR SCHEDULE I	3/27/25	

EROSION CONTROL DETAILS
TSC LAKE CITY SOUTH, FL
HSC LAKE CITY SOUTH LLC

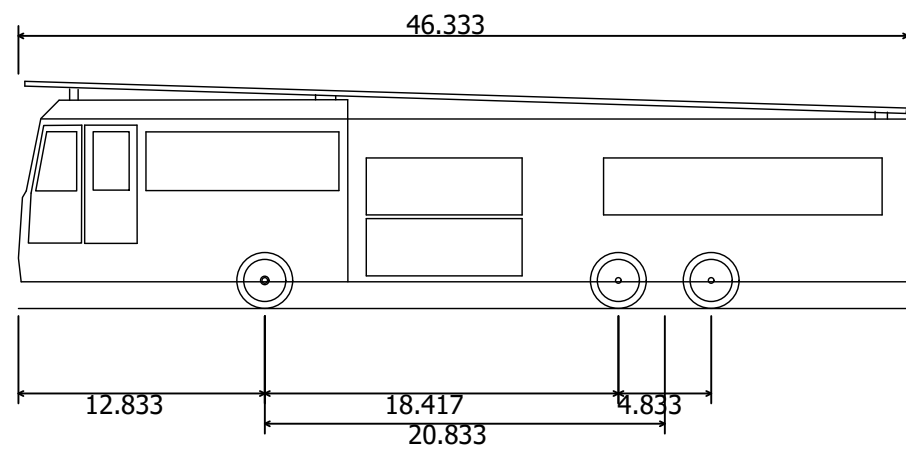
JOB NO: 24-1941.20
SCALE: N/A
DATE: MARCH 2025
DRAFTER: JP/TVML
SHEET: C13

NOTES TO CONTRACTOR:

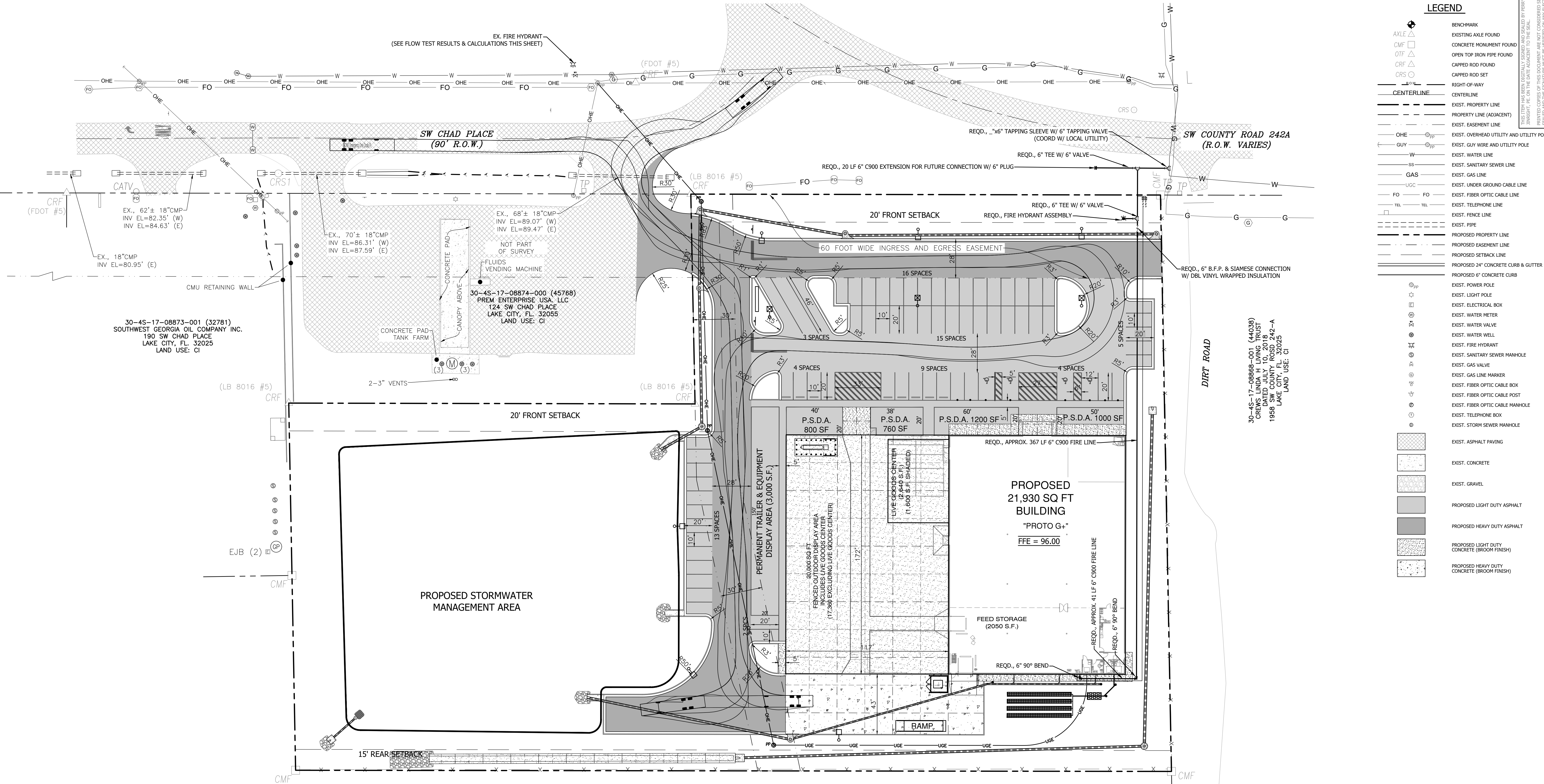
1. EVERY EFFORT HAS BEEN MADE TO ENSURE THAT THE BUILDING INDICATED IN THESE DRAWINGS MATCHES THE ARCHITECTS LATEST BUILDING AND FOUNDATION PLAN. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONFIRM THE AGREEMENT BETWEEN THE BUILDING FOOT PRINT SHOWN IN THESE PLANS AND THE ARCHITECTS BUILDING FOOTPRINT AND FOUNDATION PLANS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
2. THE CONTRACTOR SHALL PROTECT AND MAINTAIN ANY EXISTING SLOPES AND INFRASTRUCTURES ON THE SITE (I.E. PONDS, INLETS, ETC.).
3. CONTRACTOR TO VIDEO ALL EXISTING SEWER AND DRAIN LINES TO ENSURE THEY ARE CLEAR AND IN PROPER WORKING ORDER. PROVIDE VIDEO TO THE OWNER.
4. AFTER THE STORM DRAIN SYSTEM IS COMPLETED THE CONTRACTOR SHALL VIDEO THE SYSTEM AND SUBMIT VIDEO TO THE OWNER FOR REVIEW.
5. THE CONTRACTOR SHALL MAINTAIN ACCESS TO THE SITE FOR THE DURATION OF THE PROJECT.
6. ALL EARTHWORK SHALL BE PERFORMED IN STRICT COMPLIANCE WITH GEOTECHNICAL RECOMMENDATIONS.
7. ALL CONDUIT LOCATIONS FOR POWER, TELEPHONE, AND CABLE SHALL BE COORDINATED WITH ARCHITECTURAL PLANS AND LOCAL UTILITY PROVIDERS.

DIMENSION NOTE:

DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.



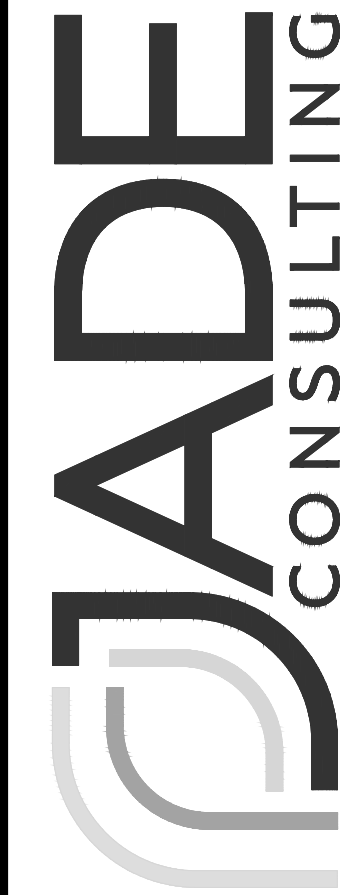
E-ONE Emergency One Ocala FL
Overall Length 46.333ft
Overall Width 8.333ft
Overall Body Height 11.833ft
Min Body Ground Clearance 1.393ft
Track Width 8.333ft
Lock-to-lock time 6.00s
Max Wheel Angle 45.00°



LEGEND

- AXLE (Symbol)
- CMF (Symbol)
- OTF (Symbol)
- CRF (Symbol)
- CRS (Symbol)
- CENTERLINE (Symbol)
- EXIST. PROPERTY LINE (Symbol)
- PROPERTY LINE (ADJACENT) (Symbol)
- EXIST. EASEMENT LINE (Symbol)
- OHE (Symbol)
- GUY (Symbol)
- W (Symbol)
- SS (Symbol)
- GAS (Symbol)
- UGC (Symbol)
- FO (Symbol)
- TEL (Symbol)
- PROPOSED PROPERTY LINE (Symbol)
- PROPOSED EASEMENT LINE (Symbol)
- PROPOSED SETBACK LINE (Symbol)
- PROPOSED 24" CONCRETE CURB & GUTTER (Symbol)
- PROPOSED 6" CONCRETE CURB (Symbol)
- EXIST. POWER POLE (Symbol)
- EXIST. LIGHT POLE (Symbol)
- EXIST. ELECTRICAL BOX (Symbol)
- EXIST. WATER METER (Symbol)
- EXIST. WATER VALVE (Symbol)
- EXIST. WATER WELL (Symbol)
- EXIST. FIRE HYDRANT (Symbol)
- EXIST. SANITARY SEWER MANHOLE (Symbol)
- EXIST. GAS VALVE (Symbol)
- EXIST. GAS LINE MARKER (Symbol)
- EXIST. FIBER OPTIC CABLE BOX (Symbol)
- EXIST. FIBER OPTIC CABLE POST (Symbol)
- EXIST. FIBER OPTIC CABLE MANHOLE (Symbol)
- EXIST. TELEPHONE BOX (Symbol)
- EXIST. STORM SEWER MANHOLE (Symbol)
- EXIST. ASPHALT PAVING (Symbol)
- EXIST. CONCRETE (Symbol)
- EXIST. GRAVEL (Symbol)
- PROPOSED LIGHT DUTY ASPHALT (Symbol)
- PROPOSED HEAVY DUTY ASPHALT (Symbol)
- PROPOSED LIGHT DUTY CONCRETE (BROOM FINISH) (Symbol)
- PROPOSED HEAVY DUTY CONCRETE (BROOM FINISH) (Symbol)

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1.	ISSUE FOR SCHEDULE 1	3/27/25	

EMERGENCY ACCESS PLAN
TSC LAKE CITY SOUTH, FL
HSC LAKE CITY SOUTH LLC

JOB NO: 24-1941.20
SCALE: 1" = 30'
DATE: MARCH 2025
DRAFTER: JP/TVML
SHEET: C14

UTILITY INFORMATION

CONTRACTOR SHALL HAVE ALL EXISTING BURIED UTILITIES "LINE SPOTTED" BY CALLING 1-800-432-4770 (SUNSHINE 811) OR BY CONTACTING LOCAL UTILITY COMPANIES

WATER & GAS:	CITY OF LAKE CITY SHASTA M. PELHAM 173 NW HILLSBORO ST. LAKE CITY, FL 32055 PHONE: 386-719-5798 pelham@icfla.com
POWER:	CLAY ELECTRIC CRAIG WACHA 1797 FL 47 N LAKE CITY, FL 32025 PHONE: 386-961-0106 or 386-752-7447 (OFFICE) 386-867-1978 (CELL) cwacha@clayelectric.com
TELEPHONE:	AT&T FLORIDA SCOTT A. PEELER 400 SW 2ND AVE GAINESVILLE, FL 32601 PHONE: 352-213-4188 sp9109@att.com

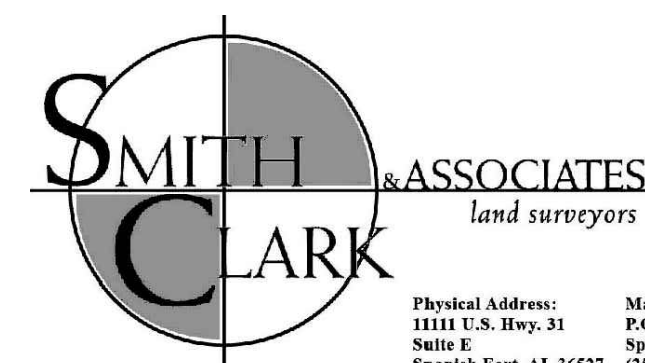
30-4S-17-08873-000 (32780)
SP DARBY LLC
JONES GLENN I JR & CHRISTINA F
JOINT REVOCABLE LIVING TRUST U/A/D MARCH 6, 2024
6709 SW 37th WAY
GAINESVILLE, FL 32608
LAND USE: CI

EXISTING UTILITIES DISCLAIMER:

EXISTING UTILITIES INDICATED ON THESE PLANS ARE BASED ON AVAILABLE INFORMATION. CONTRACTOR IS REQUIRED TO VERIFY LOCATION, BURY DEPTH, SIZE AND MATERIAL TYPE PRIOR TO ANY UTILITY IMPROVEMENTS. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES THAT ARE FOUND.



SURVEY PROVIDED BY:



Physical Address: 2118 S. Hwy. 31
Sallis, AL 36587
Mailing Address: P.O. Box 7082
Tusculum, AL 36577
(205) 426-8494