

PART 1 PACKAGE

CONSTRUCTION DRAWINGS

FOR

JEA RIVERTOWN WATER TREATMENT PLANT

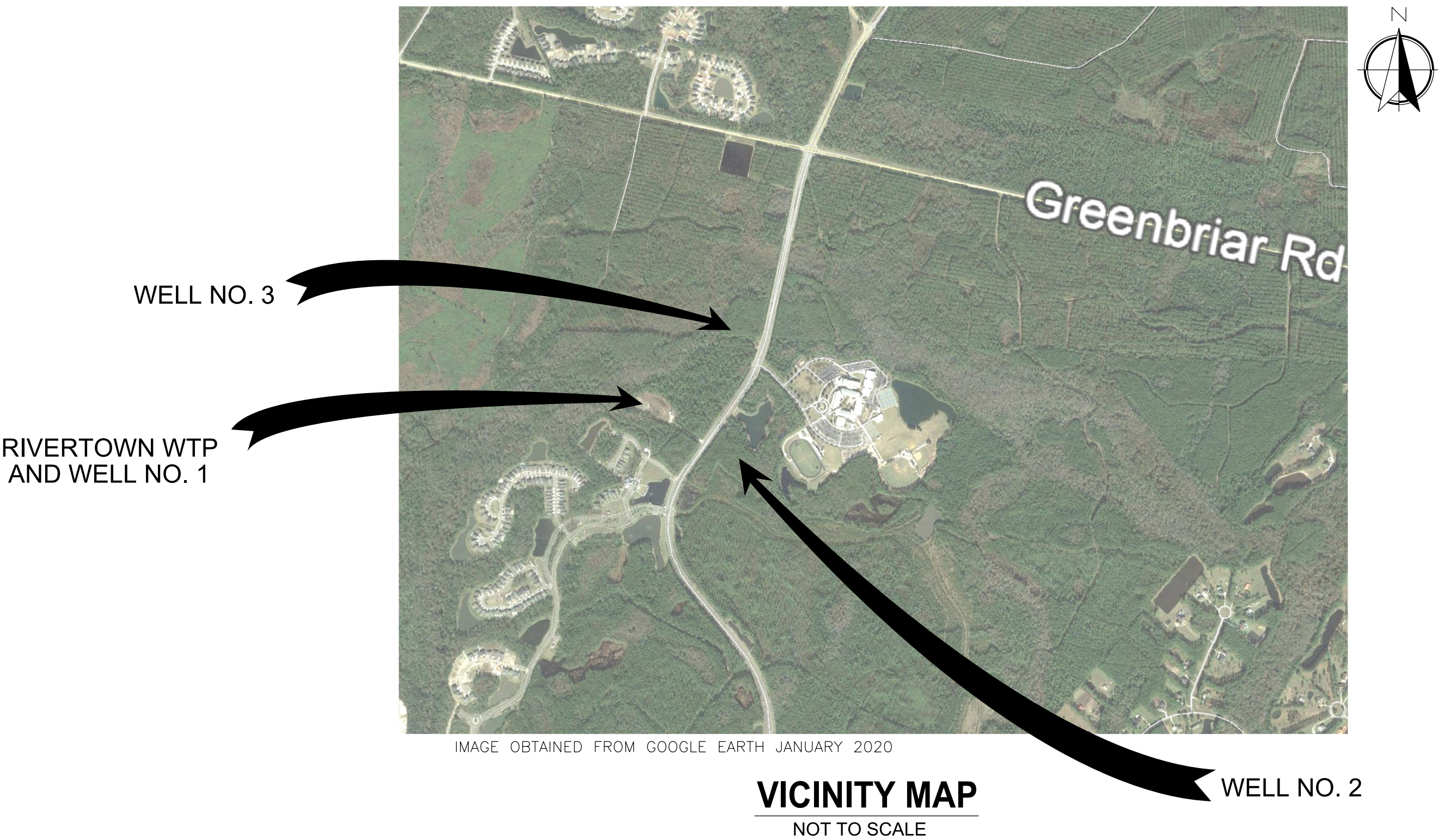
WELL NOS. 1, 2, AND BACKUP WELL NO. 3

PART 1 - PRODUCTION WELL DRILLING

WELL NOS. 2 & 3 SITE PREPARATION FOR WELL DRILLING

DRAWINGS

JEA PROJ NO.: 8003981



INDEX TO DRAWINGS

SHEET NUMBER	DRAWING NUMBER	DRAWING TITLE
1	G-1	COVER SHEET, LOCATION MAPS AND DRAWING INDEX
2	G-2	CIVIL LEGEND AND GENERAL NOTES
3	C-1	WELL NO. 2 SITE PLAN
4	C-2	BACKUP WELL NO. 3 SITE PLAN
5	C-3	BACKUP WELL NO. 3 ACCESS DRIVEWAY
6	C-4	BACKUP WELL NO. 3 RAW WATER MAIN STUB-OUT
7	C-5	WELL SITE SECTIONS
8	C-6	BACKUP WELL NO. 3 ACCESS DRIVEWAY DETAILS
9	C-7	BACKUP WELL NO. 3 ACCESS DRIVEWAY DETAILS
10	C-8	CIVIL DETAILS
11	S-1	RETAINING WALL NOTES, SECTION AND DETAILS

PREPARED BY:

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FL COA No. EB-0000020
PROJECT NO. 6103-229758

JEA_{sm}
Building Community_{sm}

JACOBS®

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Tel: (904) 636-5432
EB0000072 AAC001992 LC26000188
PROJECT NUMBER: D3270100

ISSUED FOR BID
FEBRUARY 2021

SURVEY AND LOCATE DATA:

1. ELEVATIONS ARE BASED ON N.A.V.D. 88.
2. EXISTING WATER AND SEWER LINES ARE SHOWN AS PER FIELD LOCATES AND ROADWAY AND SUBDIVISION AS BUILT PLANS.
3. BENCHMARK DATA:
SEE BENCHMARK CALLOUTS ON INDIVIDUAL SITE PLANS FOR APPLICABLE BENCHMARK LOCATIONS AND DATA.

PERMIT REQUIREMENTS (NOT ALL INCLUSIVE):

1. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CONSUMPTIVE USE PERMIT (C.U.P.) THROUGH THE ST. JOHNS WATER MANAGEMENT DISTRICT SHOULD DEWATERING ACTIVITIES BE REQUIRED.
2. THE FDEP, SJRWMD, JEA AND ST JOHNS COUNTY ARE TO BE NOTIFIED IN ADVANCE OF CONSTRUCTION PER THEIR RESPECTIVE PERMIT CONDITIONS. THE CONTRACTOR SHALL NOT BEGIN WORK UNTIL ALL ENVIRONMENTAL PERMITS HAVE BEEN ISSUED.
3. ALL WORK SHALL BE IN ACCORDANCE WITH BID DOCUMENTS, JEA WATER AND SEWER STANDARDS, DETAILS AND MATERIALS MANUAL, LATEST EDITION, AND ST JOHNS COUNTY STANDARDS AND DETAILS MANUAL, LATEST EDITION, AND ALL APPLICABLE STATE AND LOCAL REGULATIONS.
4. THE CONTRACTOR SHALL NOTIFY APPLICABLE UTILITY CONTACT PERSONNEL NOT LESS THAN ONE WEEK PRIOR TO CONSTRUCTION OF FACILITIES IN THEIR RESPECTIVE AREAS.
5. THE CONTRACTOR SHALL LOCATE THE DRAINAGE INLET STRUCTURES IN THE PROJECT AREA AND ERECT SEDIMENTATION CONTROL DEVICES AS NECESSARY PER THE ST JOHNS COUNTY, FDOT, AND FDEP REQUIREMENTS.
6. CONTRACTOR TO COORDINATE WORK WITH OTHER UTILITIES DURING CONSTRUCTION.
7. SJRWMD ERP PERMIT AND ARMY CORPS OF ENGINEERS (ACE) 404 PERMIT/NATIONWIDE PERMIT (PERMIT TYPE TO BE DETERMINED BY ACE DURING APPLICATION PROCESS) TO BE ACQUIRED BY JEA PRIOR TO COMMENCEMENT OF WORK WITHIN WETLANDS.
8. CONTRACTOR TO OBTAIN NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERIC CONSTRUCTION PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES PRIOR TO COMMENCEMENT OF WORK. PURSUANT TO THE NPDES GENERIC PERMIT, THE CONTRACTOR SHALL ALSO DEVELOP A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) TO DOCUMENT HOW GCP REQUIREMENTS WILL BE MET.
9. JEA'S CURRENT C.U.P. NO. IS 88271.
10. CONTRACTOR SHALL REFER TO THE GENERAL REQUIREMENTS SPECIFICATION 010100 (LOCATED IN VOLUME 1) FOR A LIST OF THE REQUIRED PERMITS FOR THIS PROJECT AS WELL AS ON-GOING PERMITS FOR THESE SITES UNDER A FUTURE CONTRACT THAT MAY AFFECT THE WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE AWARE OF THE COMPETITIVE PERMITTING REQUIREMENTS FOR THIS PROJECT.

RESTORATION NOTES:

1. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR, REGISTERED IN THE STATE OF FLORIDA, TO REFERENCE AND RESTORE PROPERTY CORNERS AND LANDMARKS WHICH MAY BE DISTURBED BY CONSTRUCTION.
2. THE CONTRACTOR SHALL RESTORE/REPLACE ALL CULVERTS, HEADWALLS AND STORM DRAIN INLETS REMOVED OR DISTURBED BY THE CONSTRUCTION OPERATION.

UTILITY CONTACTS:

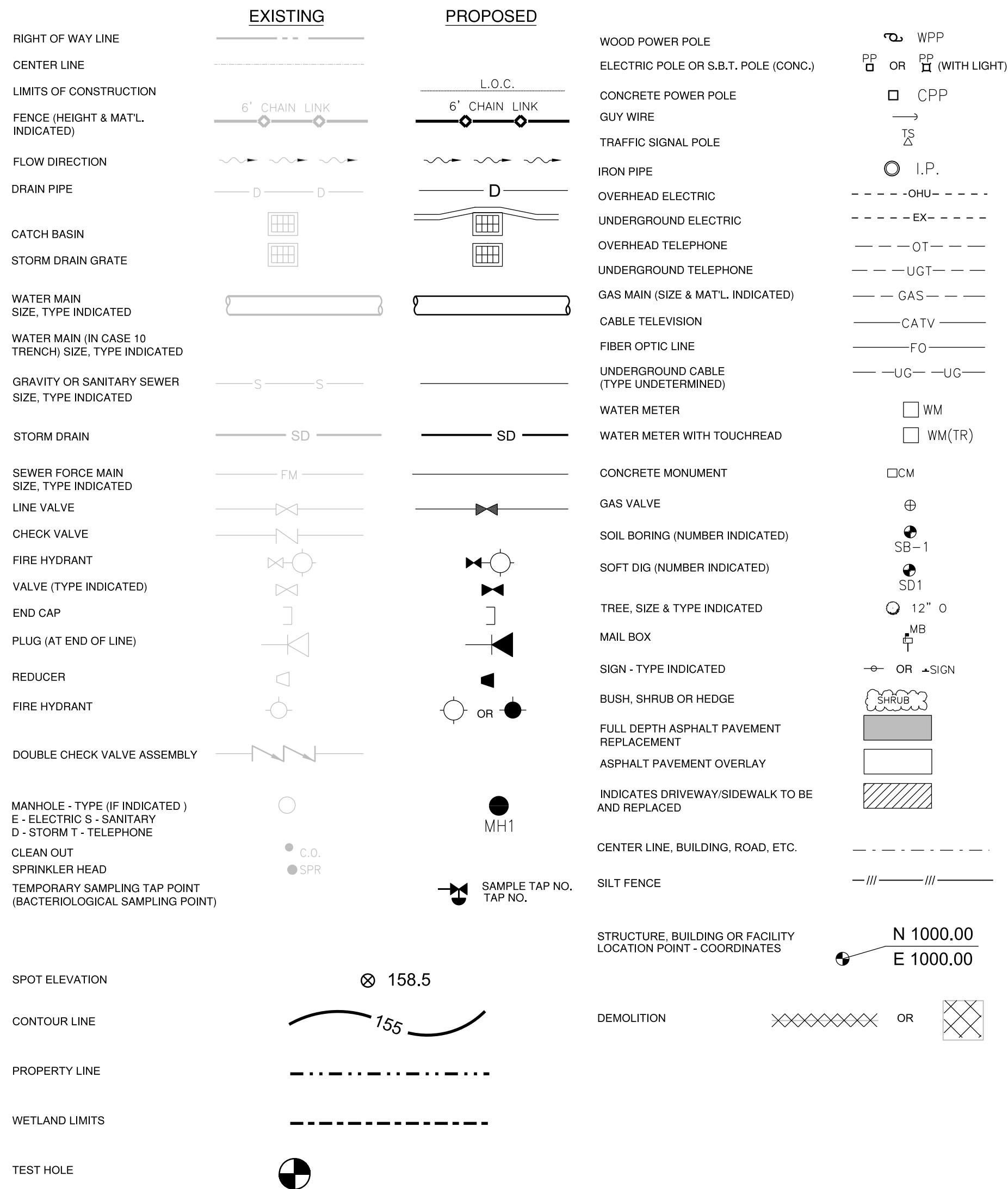
A. AT&T - GENERAL NUMBER	904-519-2529
B. AT&T - ADAM DUGAN - NORTH DISTRICT	904-781-0741
C. AT&T - BILL LAKE - SOUTH DISTRICT	904-303-8754
D. ST JOHNS COUNTY - ENGINEERING	904-209-0110
E. ST JOHNS COUNTY - ROAD AND BRIDGE	904-209-0246
F. FLORIDA DEPT. OF TRANSPORTATION	904-360-5200
G. JEA - WATER COLLECTION & DISTRIBUTION	904-665-8484
H. JEA - SEWER COLLECTION & DISTRIBUTION - JOSH PARKER	904-665-6052
I. JEA - GENERAL INFORMATION	904-665-6000
J. JEA - PROJECT OUTREACH	904-665-7500
K. JEA - POWER OUTAGES	904-665-6000
L. JEA - SEWER PROBLEMS	904-665-4802
M. JEA - WATER PROBLEMS	904-665-4801
N. JEA - WATER & SEWER LOCATES	904-665-8410
O. ST JOHNS COUNTY UTILITY DEPT.	904-209-2700
P. SUNSHINE ONE CALL	811

EXISTING UTILITY PROTECTION:

1. IN ORDER TO REDUCE THE DISRUPTION AND COST OF UTILITY DAMAGES OCCURRING IN THE ST JOHNS COUNTY RIGHT-OF-WAY AND EASEMENTS, THE CONTRACTOR SHALL PREVENT DAMAGES TO EXISTING UTILITIES CAUSED BY HIS WORK THROUGH FIELD VERIFICATION OF THE LOCATION OF THE EXISTING UTILITIES. IN THE CASE OF OPEN EXCAVATION, VERIFICATION MAY BE PERFORMED DURING THE CONTRACTORS WORK. IN THE CASE OF DIRECTIONAL DRILLING, VERIFICATION SHALL TAKE PLACE PRIOR TO MOBILIZATION OF THE DRILLING EQUIPMENT.
2. THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES AS NEEDED TO AVOID CONTACT. EXISTING UTILITIES SHALL BE EXPOSED USING DETECTION EQUIPMENT OR OTHER ACCEPTABLE MEANS. SUCH METHODS MAY INCLUDE BUT SHALL NOT BE LIMITED TO "SOFT DIG" EQUIPMENT AND GROUND PENETRATING RADAR (GPR). THE EXCAVATOR SHALL BE HELD LIABLE FOR DAMAGES CAUSED TO THE CITY'S/JEA'S INFRASTRUCTURE AND THE EXISTING FACILITIES OF OTHER UTILITY COMPANIES.
3. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND AVOID ALL UTILITIES, OTHER STRUCTURES AND OBSTRUCTIONS BOTH ABOVE AND BELOW GROUND SURFACE. ALL DAMAGE RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
4. LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. BY SUBMITTING A BID, THE CONTRACTOR SHALL AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE FEATURES AFFECTING HIS WORK.
5. LOCATION OF EXISTING UTILITIES OBTAINED BY SOFT DIG LOCATES WHERE SHOWN ON PLANS.
6. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL PHYSICALLY VERIFY LOCATION OF ALL UTILITIES, ABOVE AND BELOW GROUND AND NOTIFY JEA 72 HOURS PRIOR TO DIGGING IN ANY PORTION OF THE SITE.
7. CONTRACTOR SHALL REFER TO CONTRACT SHEET C-4 OF THIS VOLUME FOR ADDITIONAL REQUIREMENTS FOR THE EXISTING UTILITY PROTECTION MEASURES AND PIPING INSTALLATION IN ACCORDANCE TO JEA WATER AND WASTEWATER STANDARDS (JANUARY 1, 2020 EDITION).

CIVIL LEGEND

UTILITY SYMBOLS



ABBREVIATIONS:

AC	ASBESTOS CEMENT	INT.	INTERSECTION
ALG	ALLEY GRATE	INV.	INVERT
B	BASE LINE	I.P.	IRON PIPE
B.M.	BENCH MARK	J.W.W.	JACKSONVILLE WATER WORKS
BC	BOTTOM OF CURVE		
C.B.	CATCH BASIN	LT.	LEFT
C.I.	CAST IRON	MB	MAIL BOX
C	CENTER LINE	M.H.	MANHOLE
C.E.P.	CITY ELECTRIC POLE	N.T.S.	NOT TO SCALE
CDI	CONCRETE-LINED DUCTILE IRON	O.E.	OVERHEAD ELECTRIC
C	CEMENT	O.T.	OVERHEAD TELEPHONE
CONST.	CONSTRUCTION	P.R.M.	PERMANENT REFERENCE
C.M.P.	CORRUGATED METAL PIPE		MONUMENT
C.M.P.A.	CORRUGATED METAL PIPE ARCH	P.V.C.	POLYVINYL CHLORIDE
CULV.	CULVERT	r	RADIUS
C&G	CURB & GUTTER	RATE	RATE
C	CUT	R.C.P.	REINFORCED CONCRETE PIPE
D.B.I.	DITCH BOTTOM INVERT	RT	RIGHT
D.W. OR DR	DRIVEWAY	R/W	RIGHT OF WAY
D.I.	DUCTILE IRON	RW	RAW WATER MAIN
E.O.P.	EDGE OF PAVEMENT	R.D.	ROOF DRAIN
ELEVATION	ELEVATION	S.W.	SIDE WALK
ERCP	ELLIPTICAL REINFORCED	S.B.T.	SOUTHERN BELL TELEPHONE
	CONC. PIPE	SST	STAINLESS STEEL
EXP. JT.	EXPANSION JOINT	STA	STATION
F	FILL	TC	TOP OF CURVE
F.H.	FLY HYDRANT	U.G.E.	UNDERGROUND ELECTRIC
F	FLOW LINE	U.G.T.	UNDERGROUND TELEPHONE
FM	FORCE MAIN	U.C. & G.S.	UNITED STATES COASTAL & GEODETIC SURVEY
GALV./GLV	GALVANIZED		
G	GAS LINE	V.C.	VITRIFIED CLAY
G.V.	GAS VALVE	WM	WATER METER
HDPE	HIGH DENSITY POLYETHYLENE PIPE	W.V.	WATER VALVE
		WLP	WIND LIGHT POLE
H.W.	HEAD WALL	WPP	WOOD POWER POLE
H.C.	HIGH CURB	WTP	WOOD TELEPHONE POLE

						DESIGNED BY:	B DYKES
						DRAWN BY:	N PATTERSON
						SHEET CHK'D BY:	R MORRISON
						CROSS CHK'D BY:	I POLEMATIDIS
						APPROVED BY:	R MORRISON
						DATE:	FEBRUARY 2021
REV. NO.	DATE	DRWN	CHKD	REMARKS			
				PLOT DATE:	2/19/2021	PLOT TIME:	5:10:05 AM

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JEA

RIVERTOWN WATER TREATMENT PLANT PROJECT

GENERAL

CIVIL LEGEND AND GENERAL NOTES

DATE: 02/2021
RICHARD THOMAS MORRISON
PE NO. 67713

PROJECT NO. 6103-237938
JACOBS FILE NAME:
SP_0G-010_D3270100.dgn

G-2

1. CLEAR AND GRUB AREAS ONLY WITHIN THE SILT FENCE AS SHOWN ON THE DRAWINGS.
2. SOD AND STAKE SIDE SLOPES OF NEWLY CONSTRUCTED SITE AREA AND ACCESS ROAD. SOD SHALL EXTEND FROM A MINIMUM OF 3' BEYOND THE TOE OF THE SLOPE TO 3' BEYOND THE INSIDE OF TOP OF SLOPE ALONG THE PERIMETER OF THE NEWLY CONSTRUCTED RAISED SITE. RESTORE ANY DISTURBED AREAS OF EXISTING RIGHT OF WAY. SEE CIVIL SECTIONS ON DRAWING SP-C-301 FOR GENERAL GUIDANCE ON SODDING LIMITS.
3. CONTRACTOR SHALL SEED AND MULCH ALL REMAINING DISTURBED PORTIONS OF THE SITE IN ACCORDANCE WITH SPECIFICATION 32 00 00B. ALL SEED SHALL BE BAHIA SEED.

DESIGNED BY:	<u>B DYKES</u>
DRAWN BY:	<u>N PATTERSON</u>
SHEET CHK'D BY:	<u>R MORRISON</u>
CROSS CHK'D BY:	<u>I POLEMATIDIS</u>
APPROVED BY:	<u>R MORRISON</u>
DATE:	<u>FEBRUARY 2021</u>

JEA

RIVERTOWN WATER TREATMENT PLANT PROJECT

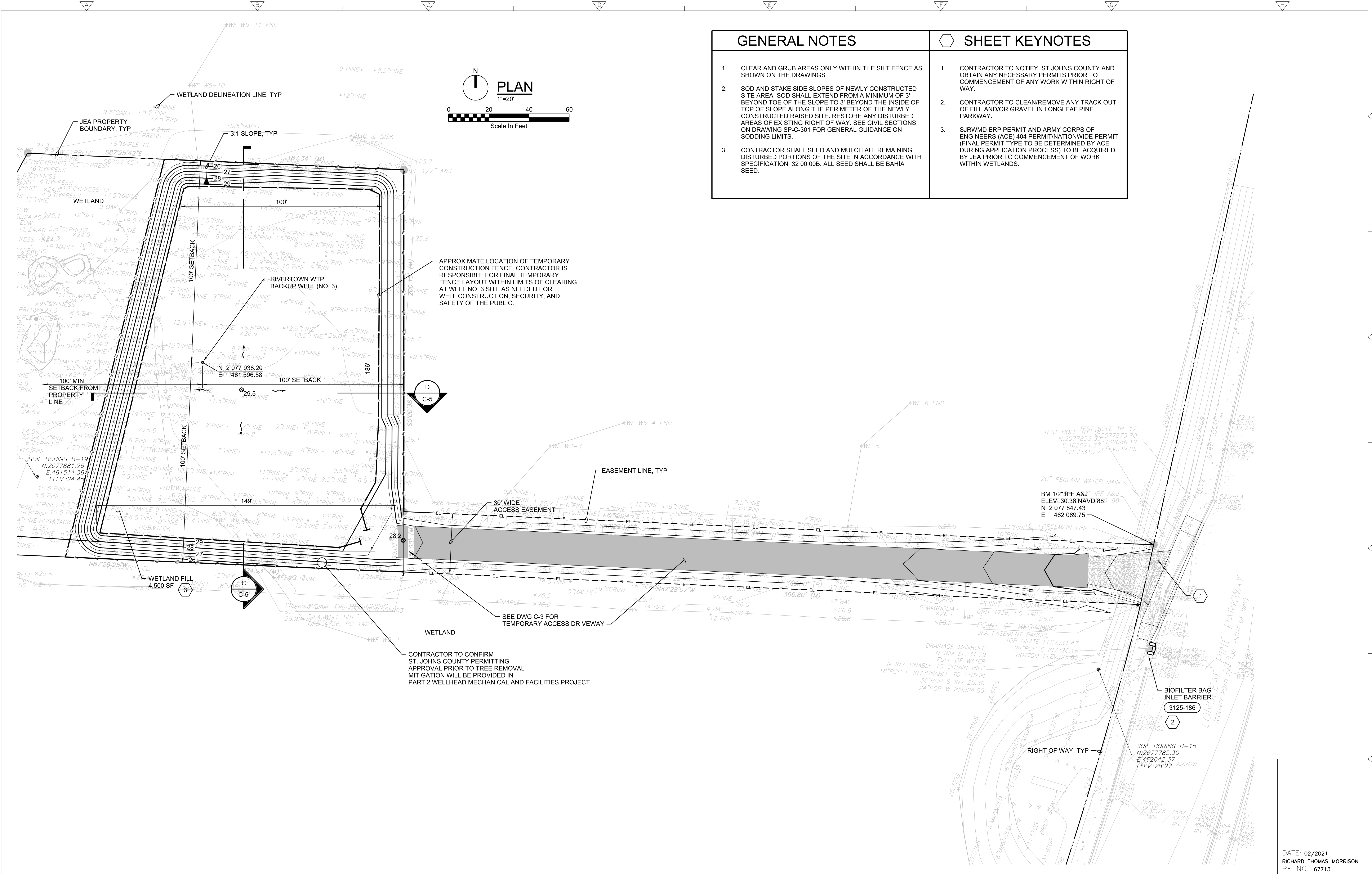
DATE: 02/2021
RICHARD THOMAS MORRISON
PE NO. 67713

PROJECT NO. 6103-237938
JACOBS FILE NAME:
SP_C-001_D3270100.dgn

SHEET NO.

C-1

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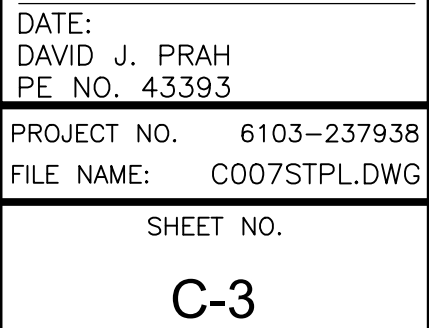
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DESIGNED BY: B DYKES				DRAWN BY: N PATTERSON			
SHEET CHK'D BY: R MORRISON				CROSS CHK'D BY: I POLEMATIDIS			
APPROVED BY: R MORRISON				DATE: FEBRUARY 2021			
CDM Smith				JACOBS			
4651 Salisbury Road, Suite 420 Jacksonville, FL 32256 Tel: (904) 731-7109 FL COA No. EB-0000020				245 RIVERSIDE AVE, SUITE 300 JACKSONVILLE, FLORIDA 32202 EB0000072 AAC001992 LC26000188			
JEA				CIVIL			
RIVERTOWN WATER TREATMENT PLANT PROJECT				BACKUP WELL NO. 3 SITE PLAN			
DATE: 02/2021 RICHARD THOMAS MORRISON PE NO. 67713				PROJECT NO. 6103-237938 JACOBS FILE NAME: SP_C-002_D3270100.dgn SHEET NO.			
C-2				ISSUED FOR BID			



- \mathbb{K}_1



- \mathbb{K}_3



ISSUED FOR BID

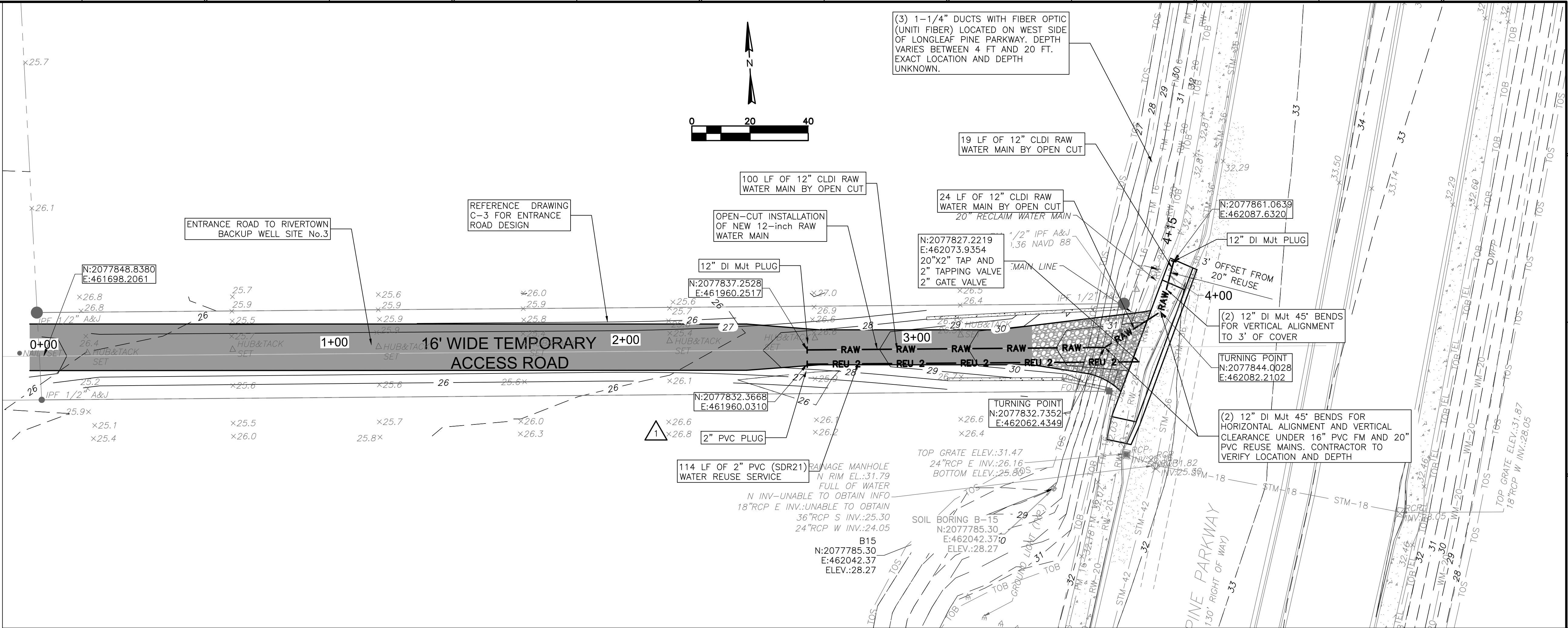
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GENERAL NOTES

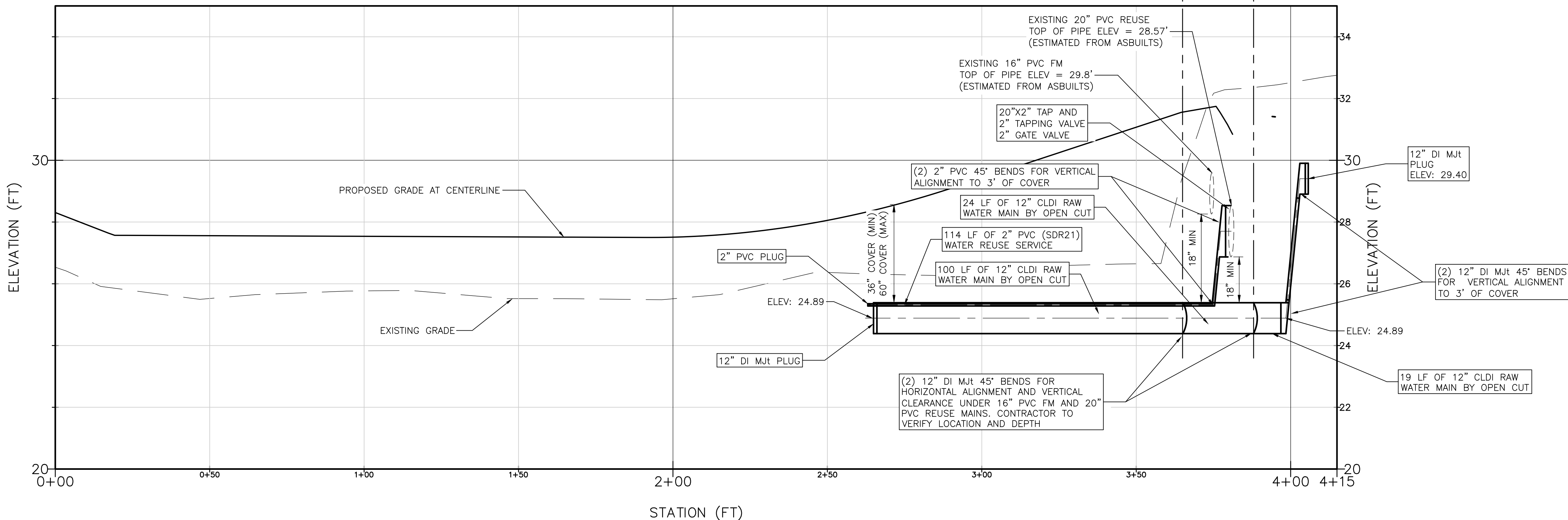
- THE CONTRACTOR SHALL STRICTLY FOLLOW DESIGN STANDARDS AS GIVEN IN "WATER AND WASTEWATER STANDARDS MANUAL" BY JEA, JANUARY 1, 2020 FOR ALL UTILITY INSTALLATION, ST. JOHNS COUNTY STANDARD SPECIFICATIONS AND DETAILS, EXCEPT AS OTHERWISE NOTED, AND ALL APPLICABLE STATE AND LOCAL REGULATIONS.
- LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. BY SUBMITTING A BID, THE CONTRACTOR SHALL AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE FEATURES AFFECTING HIS WORK.
- LOCATION OF EXISTING UTILITIES OBTAINED BY AVAILABLE AS-BUILTS AND SOFT DIG LOCATES WHERE SHOWN ON PLANS.
- PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL PHYSICALLY VERIFY LOCAToin OF ALL UTILITIES, ABOVE AND BELOW GROUND AND NOTIFY JEA 72 HOURS PRIOR TO DIGGING IN ANY PORTION OF THE SITE.
- THE CONTRACTOR SHALL NOTE ALL EXISTING UTILITIES ENCOUNTERED DURING EXCAVATION AND INCLUDE ON AS-BUILT DRAWINGS.
- THE CONTRACTOR SHALL, BY REPAIR OR REPLACEMENT, RETURN TO EQUAL OR BETTER CONDITION ALL PAVEMENT, SIDEWALK, LAWNS, UTILITIES AND OTHER ITEMS DAMAGED BY THE CONSTRUCTION ACTIVITY.
- ALL WASTE MATERIAL INCLUDING BRUSH, DEBRIS, AND UNSUITABLE MATERIAL SHALL BE DISPOSED OFF-SITE IN A REGULATORY COMPLIANT MANNER AT THE CONTRACTOR'S EXPENSE.
- MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO ENSURE THAT ADEQUATE EROSION AND SEDIMENTATION CONTROL ARE MAINTAINED AT ALL TIMES.
- NO REPRESENTATION IS MADE REGARDING BALANCED EARTHWORK. ANY EXCESS MATERIAL OR MATERIAL NOT SUITABLE FOR USE AS BACKFILL SHALL BE HAULED AWAY TO AN APPROVED DISPOSAL SITE AT THE CONTRACTOR'S EXPENSE, AND WHERE NECESSARY, SUITABLE FILL AND BACKFILL SHALL BE PROVIDED AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

INSTALLATION NOTES

- THE CONTRACTOR SHALL INSTALL THE PROPOSED RAW WATER MAIN IN ACCORDANCE WITH THE FOLLOWING SECTIONS OF THE "WATER AND WASTEWATER STANDARDS MANUAL" BY JEA, JANUARY 1, 2020.
 - SECTION II 406: SITE PREPARATION, CLEANUP AND RESTORATION
 - SECTION II 408: EXCAVATION AND EARTHWORK
 - SECTION III 350: POTABLE WATER PIPING
 - SECTION VI 501: AS-BUILT DRAWINGS
 - SECTION VIII: WATER & RECLAIMED CONSTRUCTION DETAILS
 - SECTION X: WATER & RECLAIMED APPROVED MATERIALS
- ALL PIPE LENGTHS SHOWN ON PLAN AND PROFILES ARE ALONG CENTER LINE OF RAW WATER MAIN.
- THE CONTRACTOR SHALL NOTIFY APPLICABLE UTILITY CONTACT PERSONNEL NOT LESS THAN ONE WEEK PRIOR TO CONSTRUCTION OF FACILITIES IN THEIR RESPECTIVE AREAS.
- WHEN THE DISTANCE BETWEEN A POWER POLE AND THE TRENCH IS LESS THAN THE TRENCH DEPTH, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH FPL ELECTRICAL PERSONNEL TO SECURE POWER POLES.
- PRIOR TO COMMENCING ANY EXCAVATION OR GRADING, THE CONTRACTOR SHALL OBTAIN ALL GEOTECHNICAL AND TOPOGRAPHIC SURVEY DATA AND LOCATIONS OF ABOVE GROUND AND UNDERGROUND UTILITIES. SHOULD THE CONTRACTOR DISCOVER ANY INACCURACIES, ERRORS OR OMISSIONS IN THE SURVEY DATA, HE SHALL IMMEDIATELY NOTIFY THE DESIGN ENGINEER IN ORDER THAT PROPER ADJUSTMENTS CAN BE ANTICIPATED AND ORDERED.
- IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND AVOID ALL UTILITIES, OTHER STRUCTURES AND OBSTRUCTIONS BOTH ABOVE AND BELOW GROUND SURFACE. ALL DAMAGE RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- IF SOLVENT CONTAMINATION IS FOUND IN THE PIPE TRENCH, WORK SHALL BE STOPPED AND THE PROPER AUTHORITIES NOTIFIED. WITH APPROVAL OF THE PERMITTING AGENCY, DUCTILE IRON PIPE, FITTINGS AND SOLVENT RESISTANT GASKET MATERIAL SHALL BE USED IN THE CONTAMINATED AREA. THE DUCTILE IRON PIPE SHALL EXTEND AT LEAST 100 FEET BEYOND ANY SOLVENT NOTED.



BACKUP WELL 3 ACCESS ROAD PROFILE
FROM 0+00.00 TO 4+15.00



REV.	NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: ABB
DRAWN BY: SLD
SHEET CHK'D BY: ABB
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APPROVED BY: D. PRAH
DATE: FEBRUARY 2021

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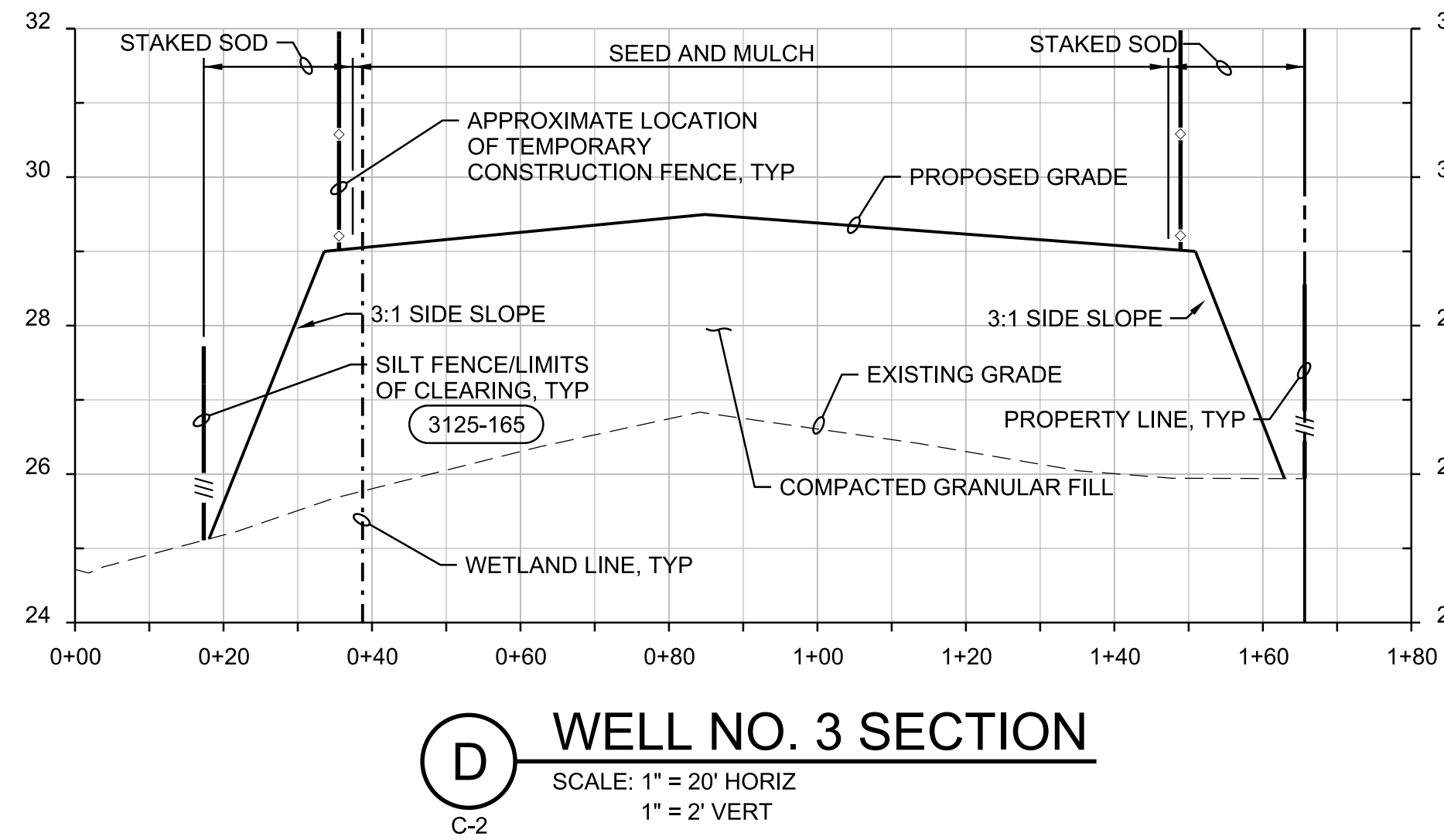
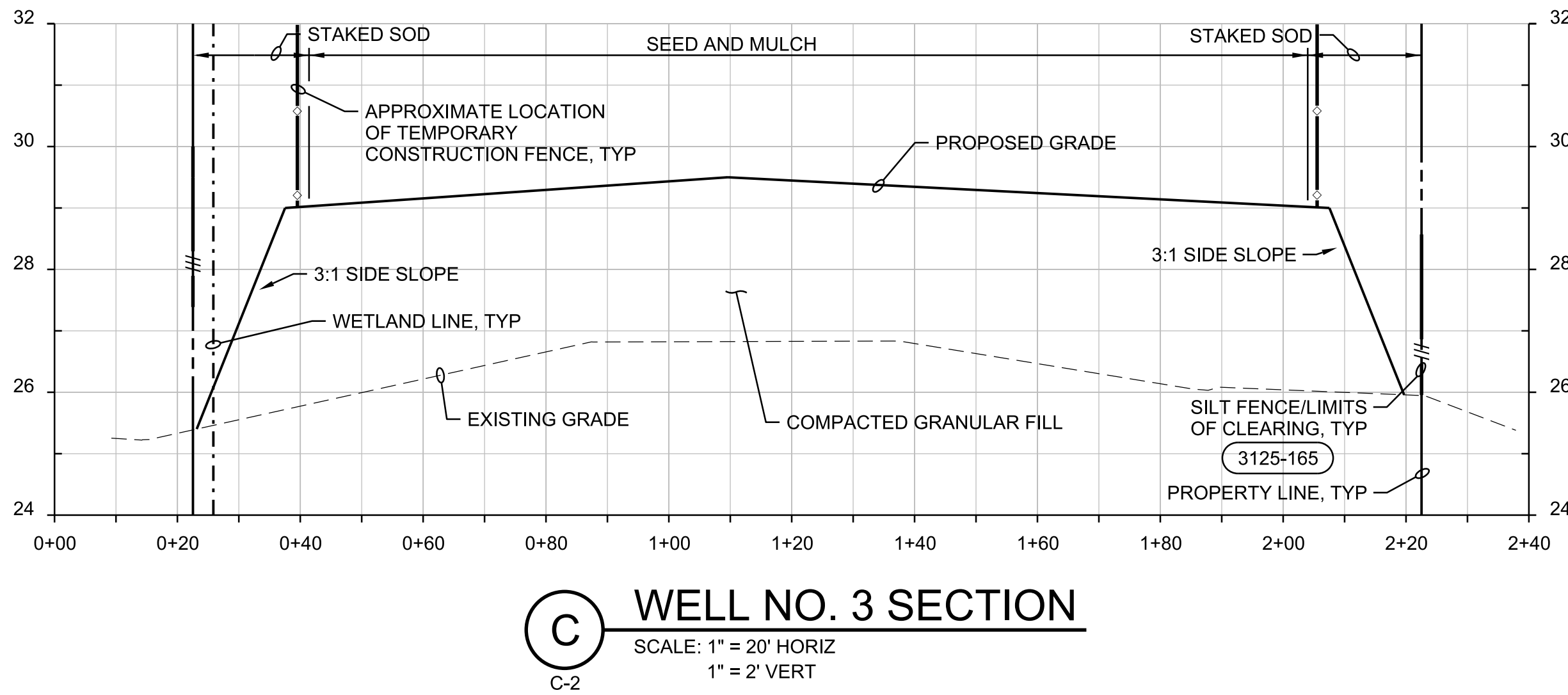
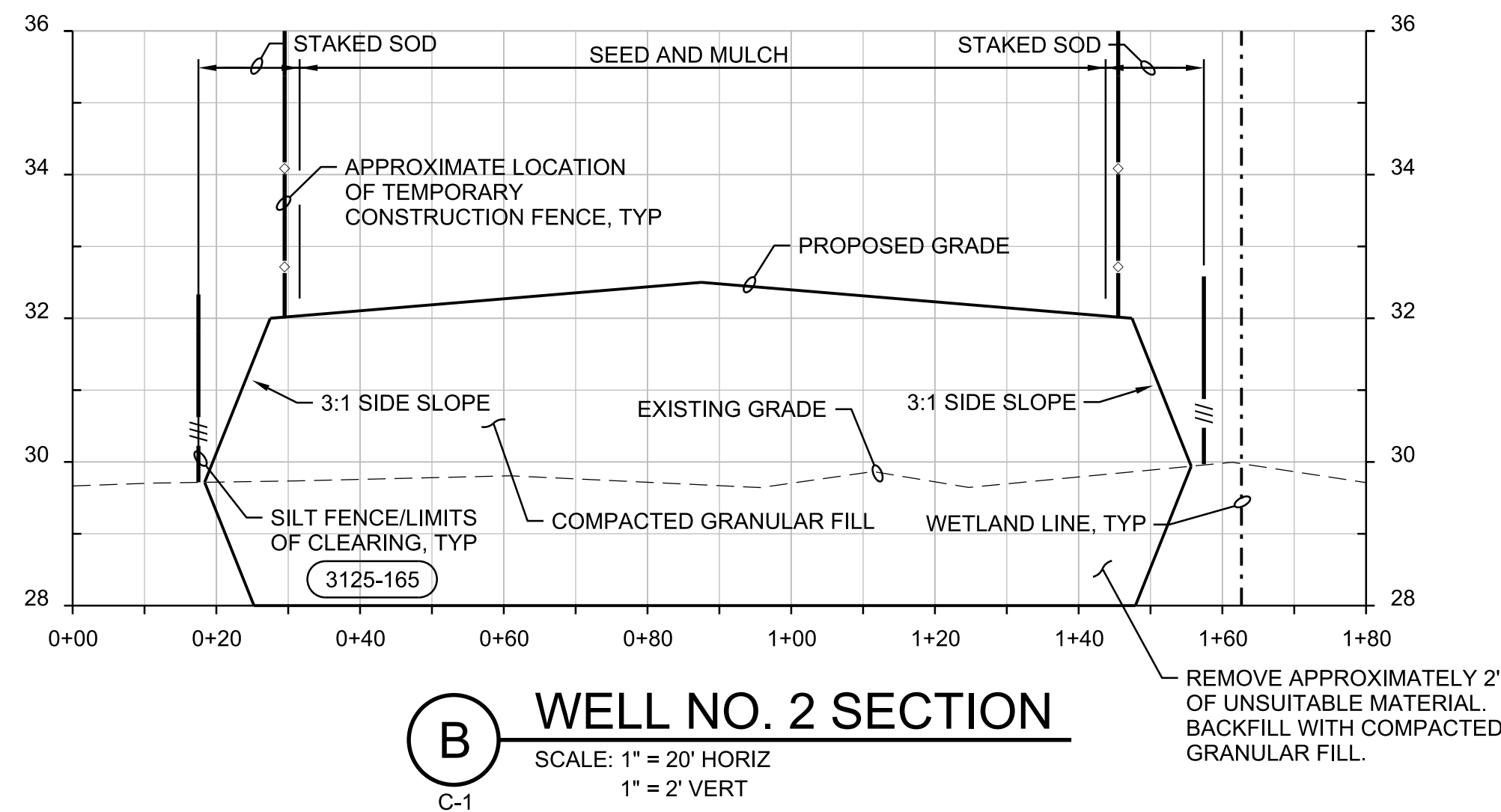
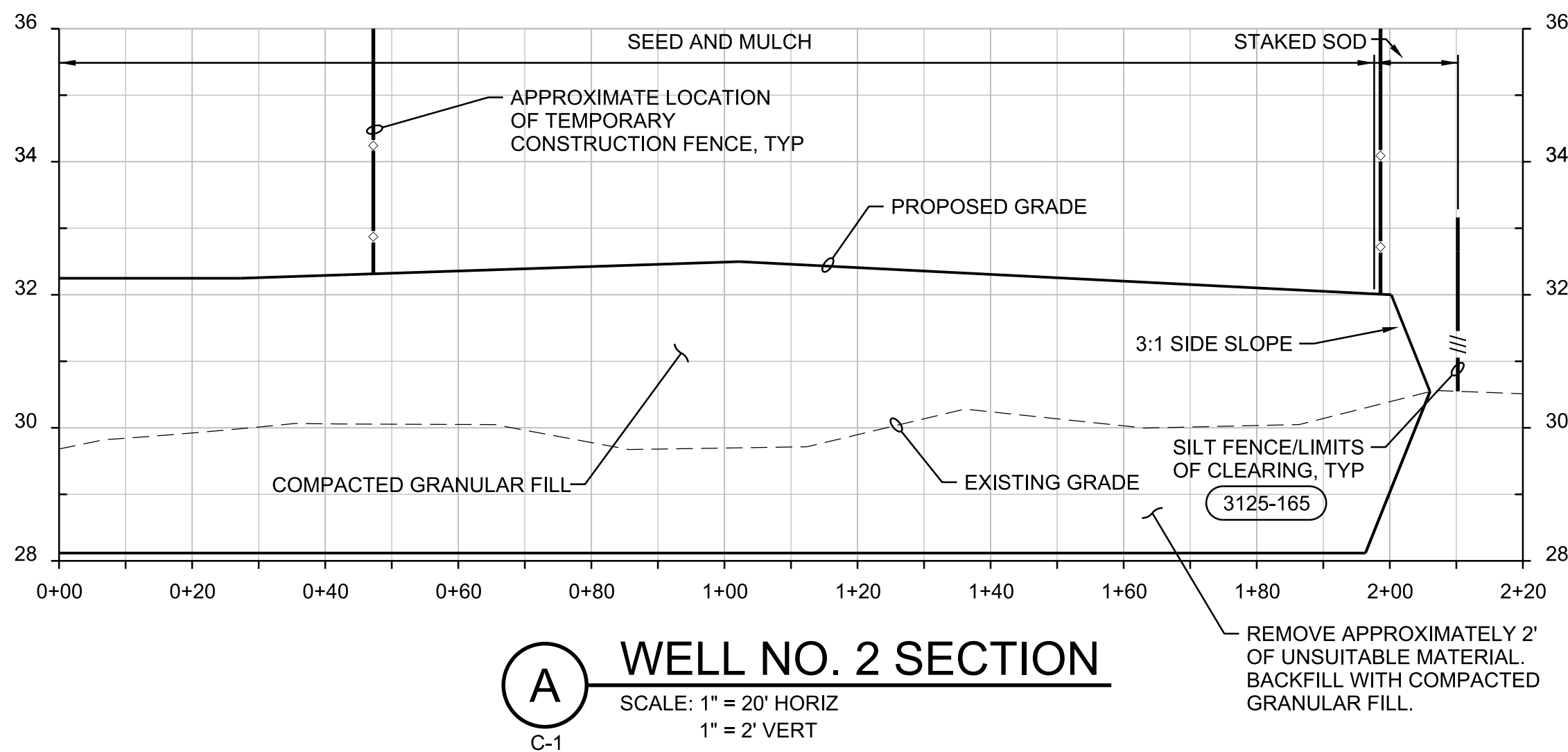
JEA
RIVERTOWN WATER TREATMENT PLANT PROJECT

RAW WATER MAIN STUB OUT
BACKUP WELL NO.3 PROPOSED PLAN AND PROFILE

PROJECT NO. 6103-237938
FILE NAME: C001STPP
SHEET NO.
C-4

ISSUED FOR BID

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REV. NO.	DATE	DRWN	CHKD	REMARKS

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DRAWN BY: **C CHILDRESS**
SHEET CHK'D BY: **R MORRISON**
CROSS CHK'D BY: **I POLEMATIDIS**
APPROVED BY: **R MORRISON**
DATE: **FEBRUARY 2021**

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EB0000072 AAC001992 LC26000188

JEA

RIVERTOWN WATER TREATMENT PLANT PROJECT

CIVIL

WELL SITE SECTIONS

DATE: 02/2021
RICHARD THOMAS MORRISON
PE NO. 67713

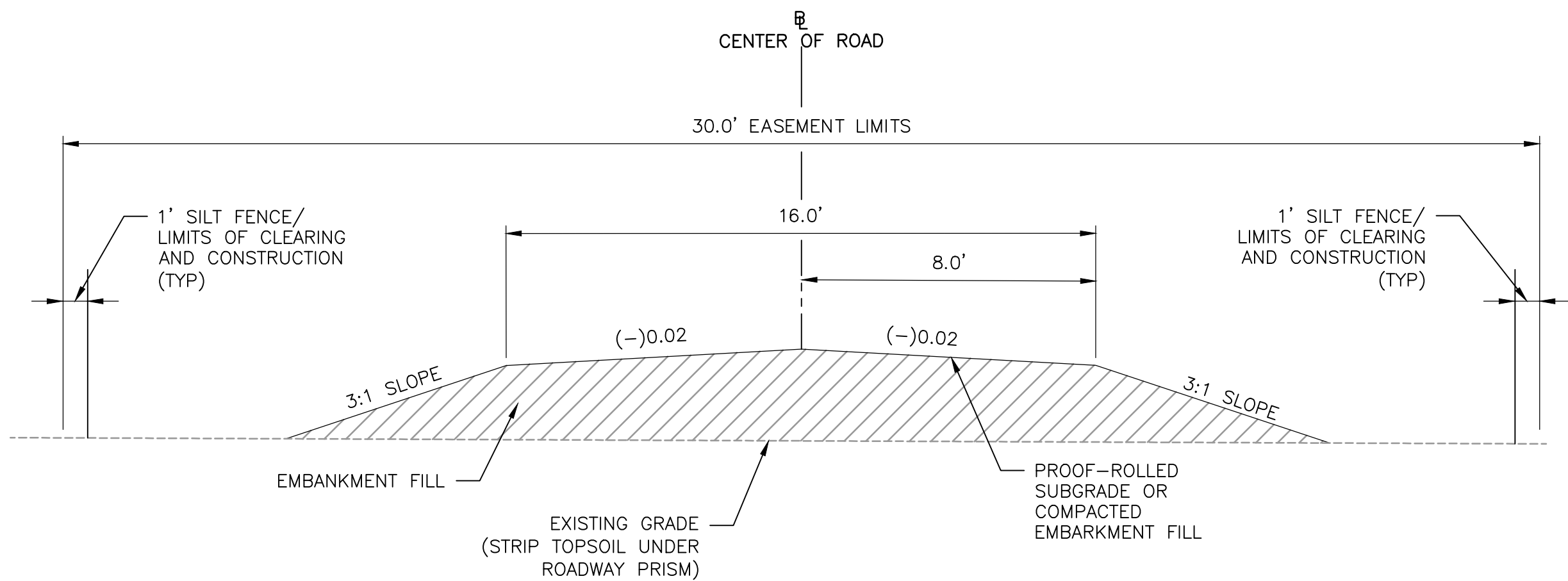
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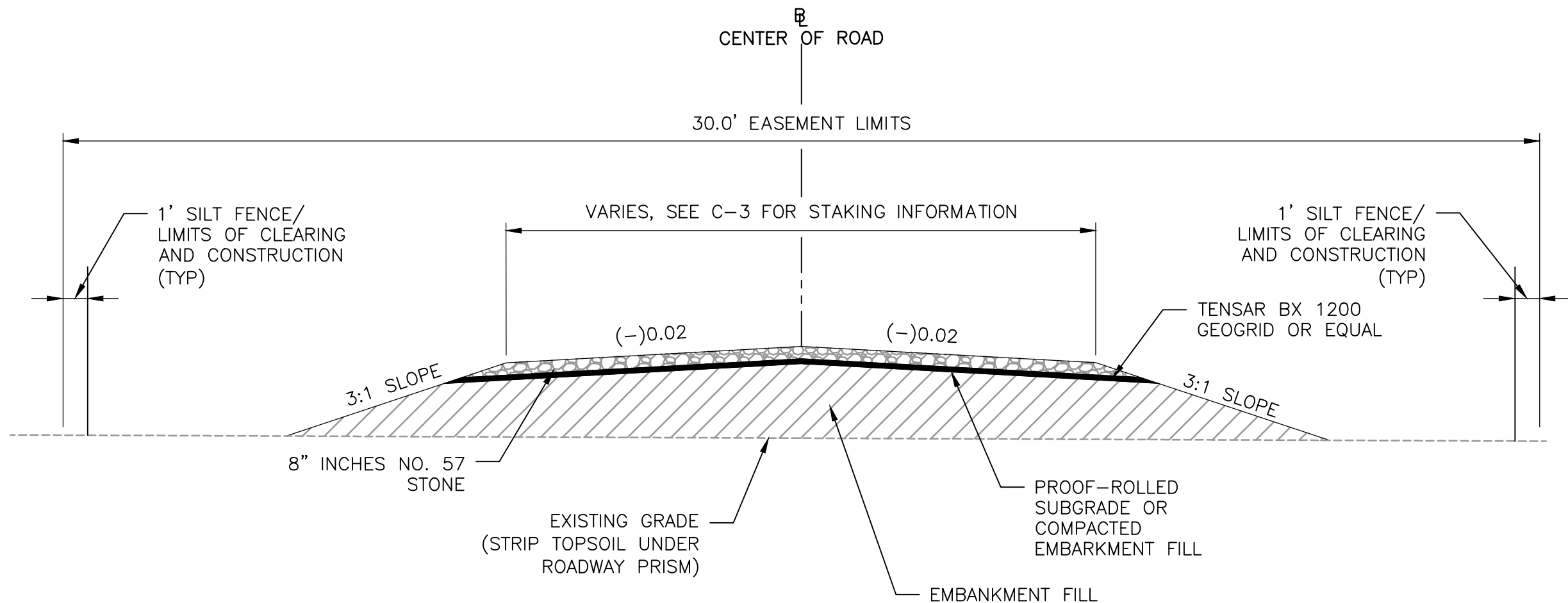
C-5

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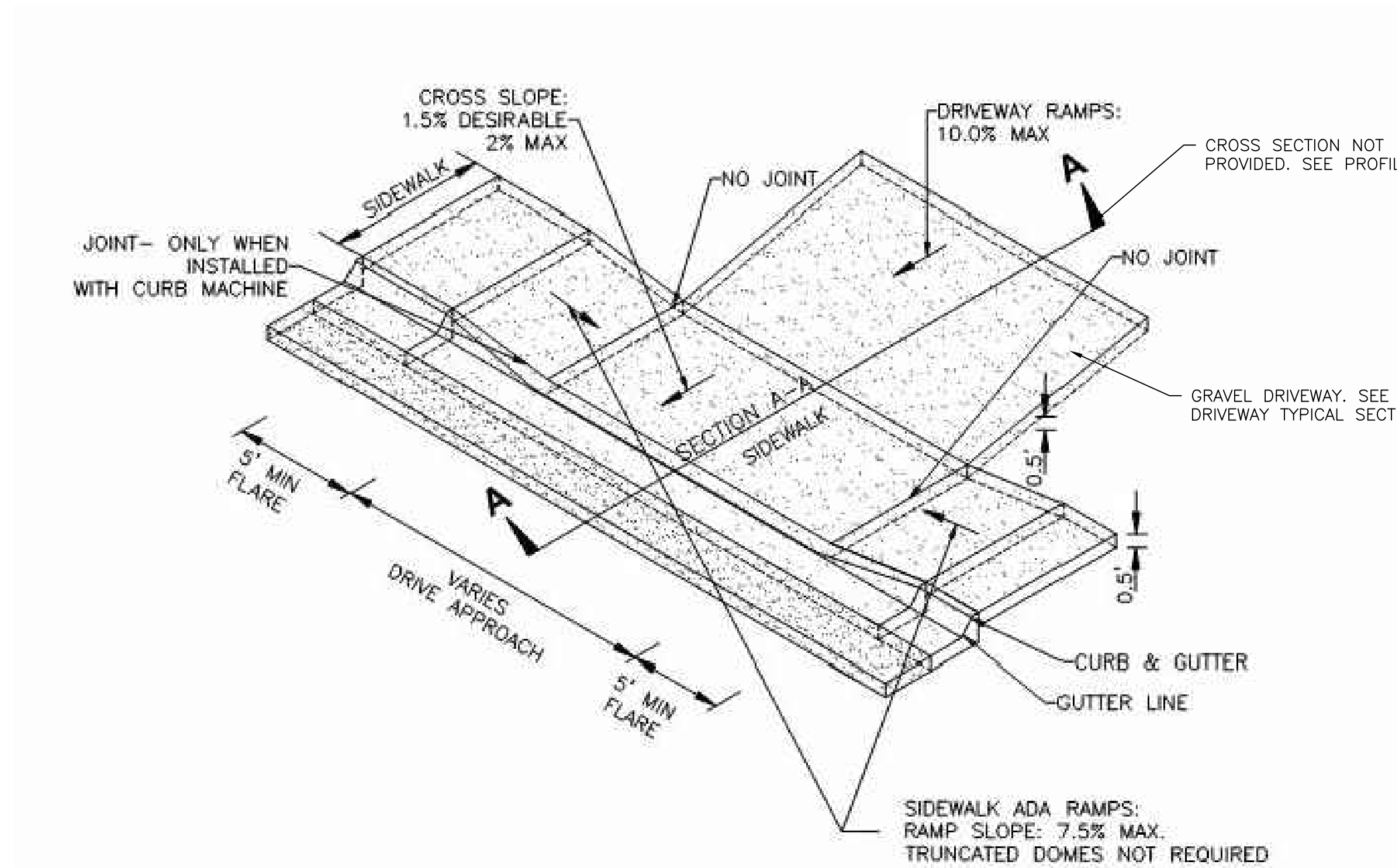
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pw\j\cdsm\smith-c002-pw.bentley.com:PW_PL1\6103\237938\04_Design_Services_NM_60%02_Civil\10_CADD\04_History\C007STPL.dwg
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1 DRIVEWAY COMPACTED EMBANKMENT FILL TYPICAL SECTION
NTS STA 10+52 TO 13+98

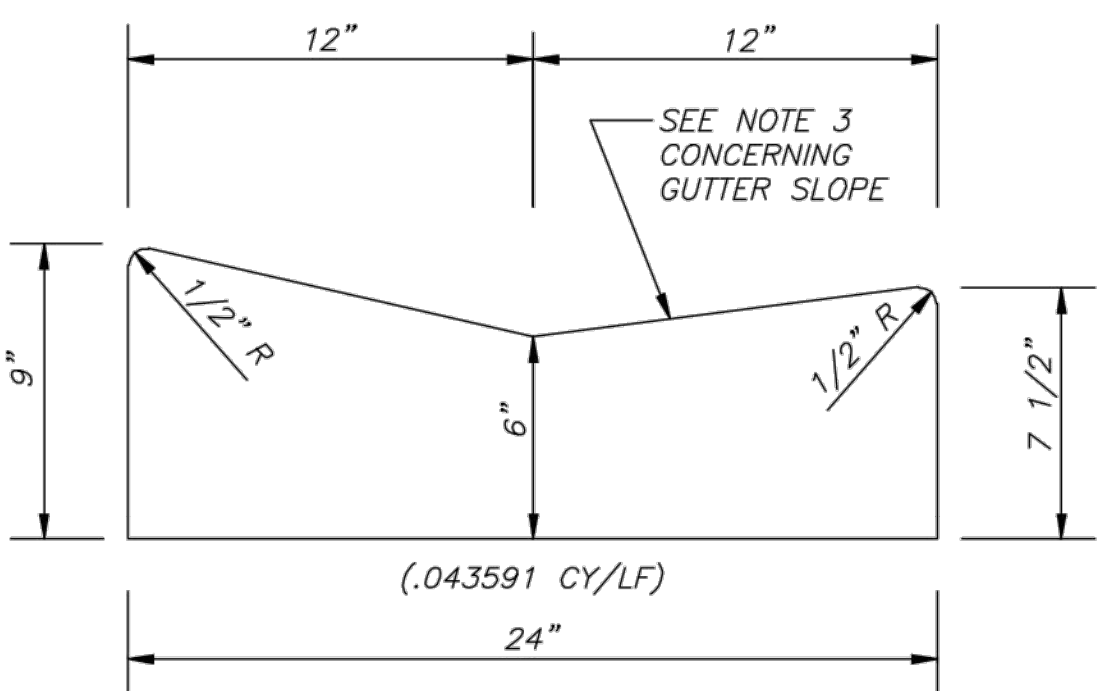


2 DRIVEWAY 8" No. 57 STONE TYPICAL SECTION
NTS STA 13+98 TO SIDEWALK



DRIVEWAY GRADING

- NOTES:
1. MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
 2. CONCRETE SHALL BE CLASS 1 CONCRETE WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
 3. WHEN USED ON THE HIGH SIDE OF ROADWAY SECTIONS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT. WHERE THIS CONDITION IS ENCOUNTERED, THE FRONT FACE VERTICAL DIMENSION SHALL REMAIN AS SHOWN FOR NORMAL SECTIONS SHOWN HEREON.



24" LOW PROFILE CURB AND GUTTER

SPECIFIC USE: MAJOR COLLECTOR ROADWAY CLASSES

ST JOHN'S COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION - DETAIL NO. 115

CURB AND GUTTER

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: _____ EV
DRAWN BY: _____ RF
SHEET CHK'D BY: _____ SS
CROSS CHK'D BY: _____ D. PRAH
APPROVED BY: _____ I. POLEMATIDIS
DATE: _____ FEBRUARY 2021

CDM Smith
4651 Salisbury Road, Suite 420
Jacksonville, FL 32256
Tel: (904) 731-7109
FL CCA No. EB-0000020

JACOBS
245 RIVERSIDE AVE, SUITE 300
JACKSONVILLE, FLORIDA 32202
EB0000072 AAC001992 LC26000188

JEA
RIVERTOWN WATER TREATMENT PLANT PROJECT

BACKUP WELL NO. 3 ACCESS DRIVEWAY DETAIL

DATE: _____ DAVID J. PRAH PE NO. 43393
PROJECT NO. 6103-237938 FILE NAME: C007STPL.DWG
SHEET NO. C-6

XREFs: [CDMS-2436, CWP0000ST, CFZ0000SS, 13419, Rivertown, WTP]
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pw\jensmith-cv02-pw.bentley.com:PW_PL1\6103\237938\04, Design Services NM_60%02 Cw\10 CADD\04, History\C007STPL.dwg
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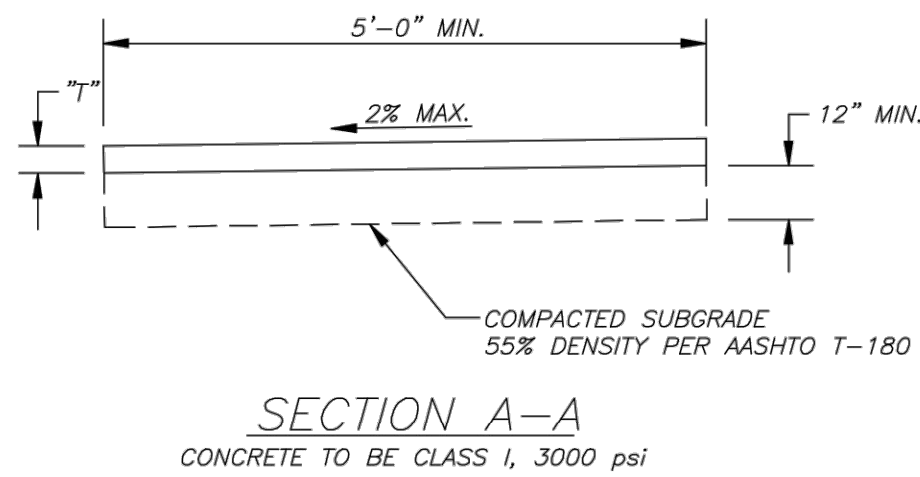
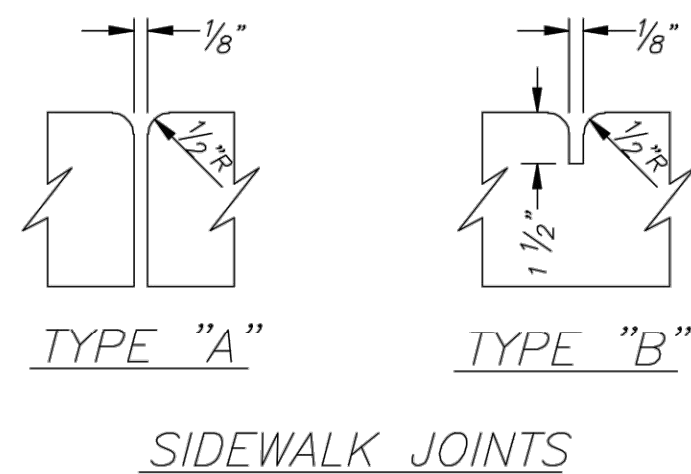
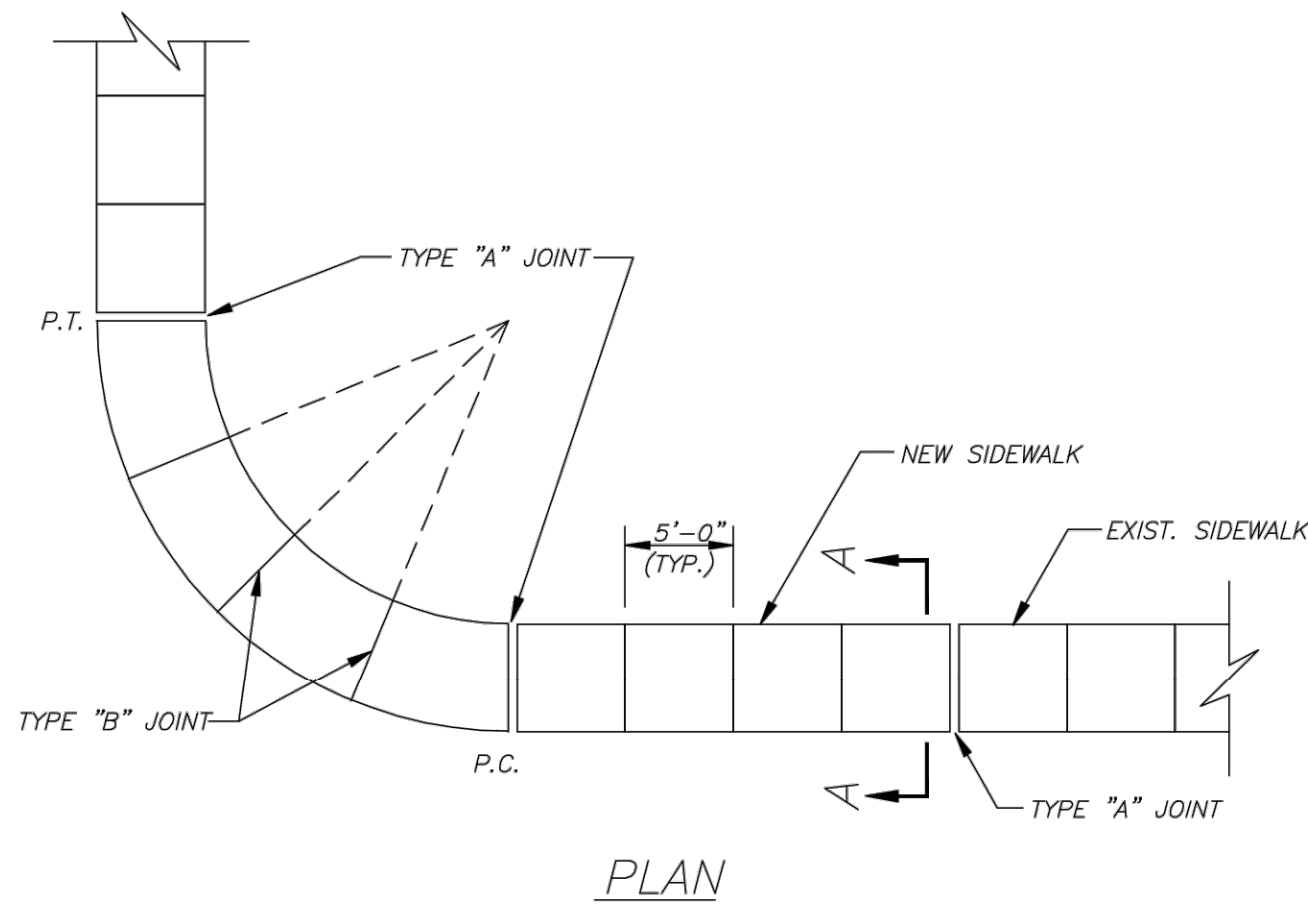
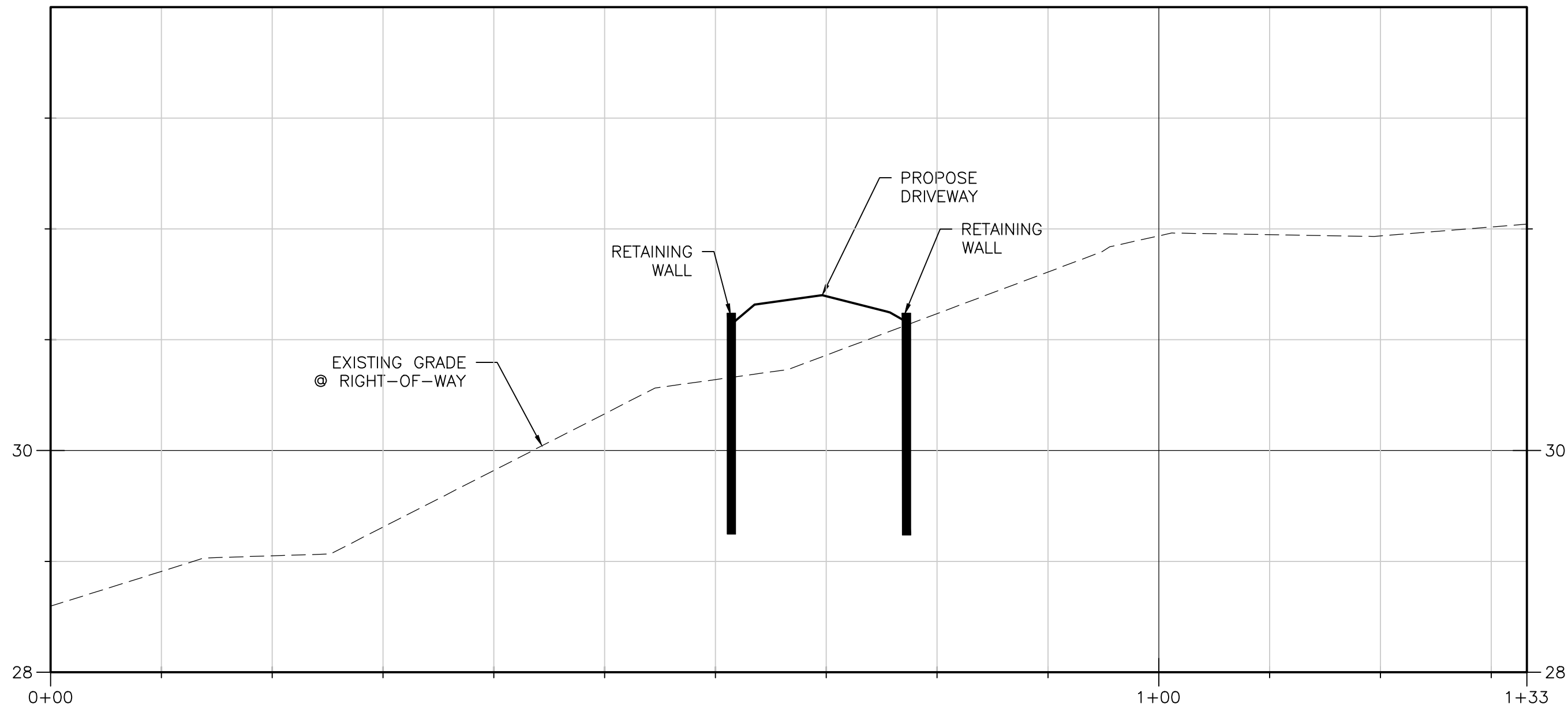
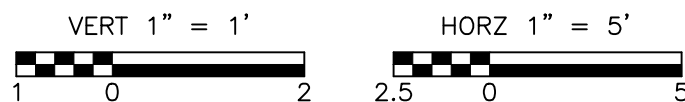
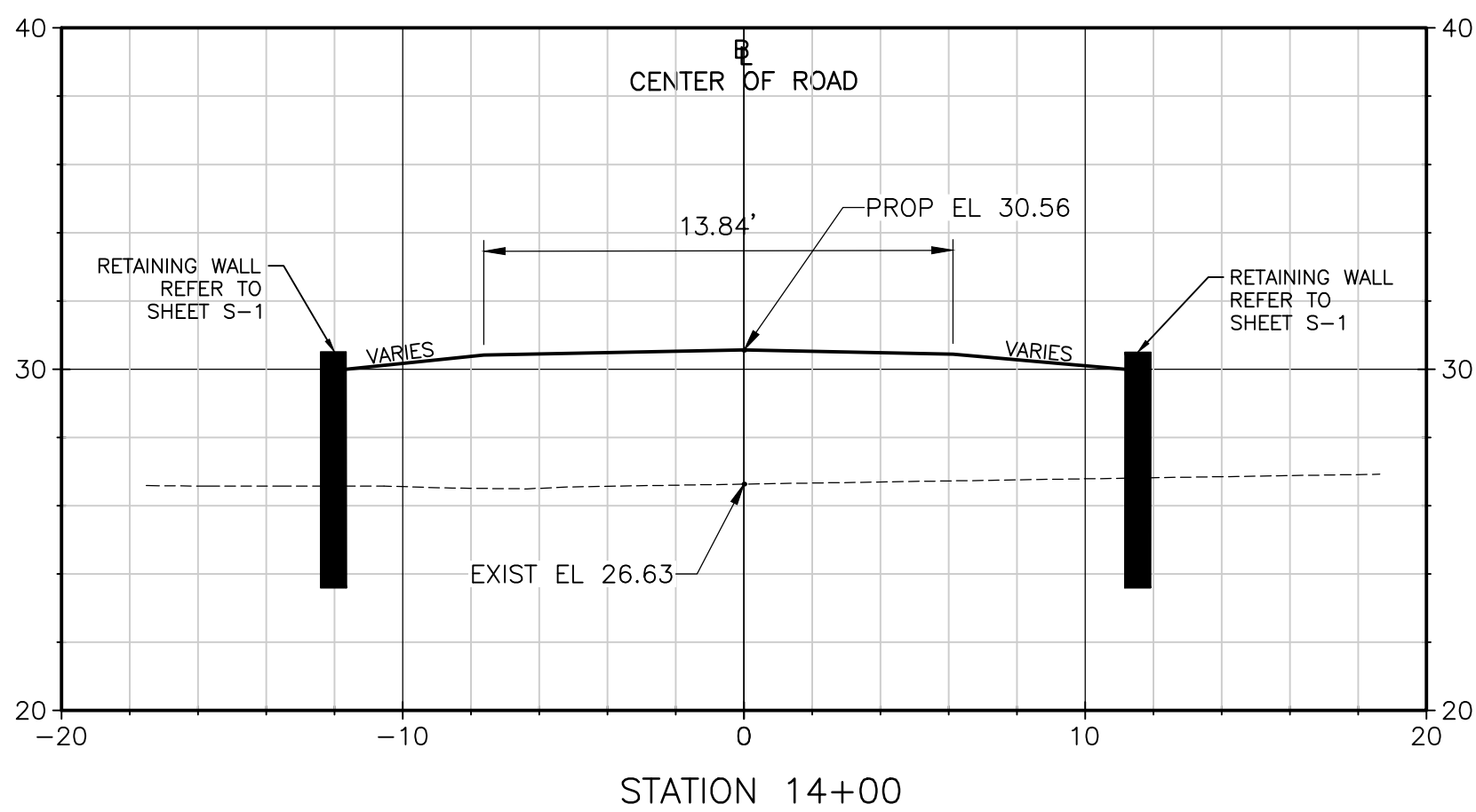
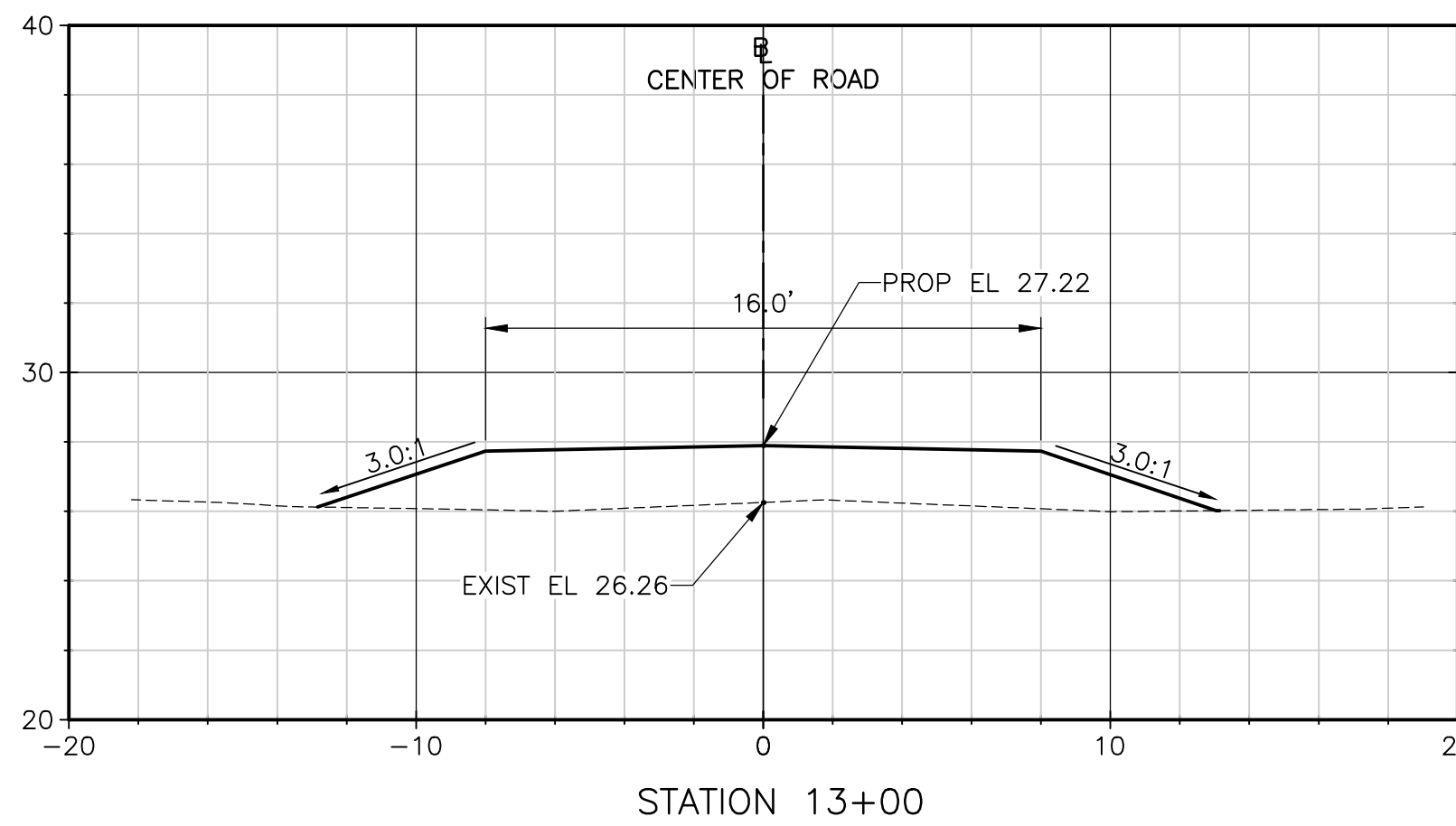
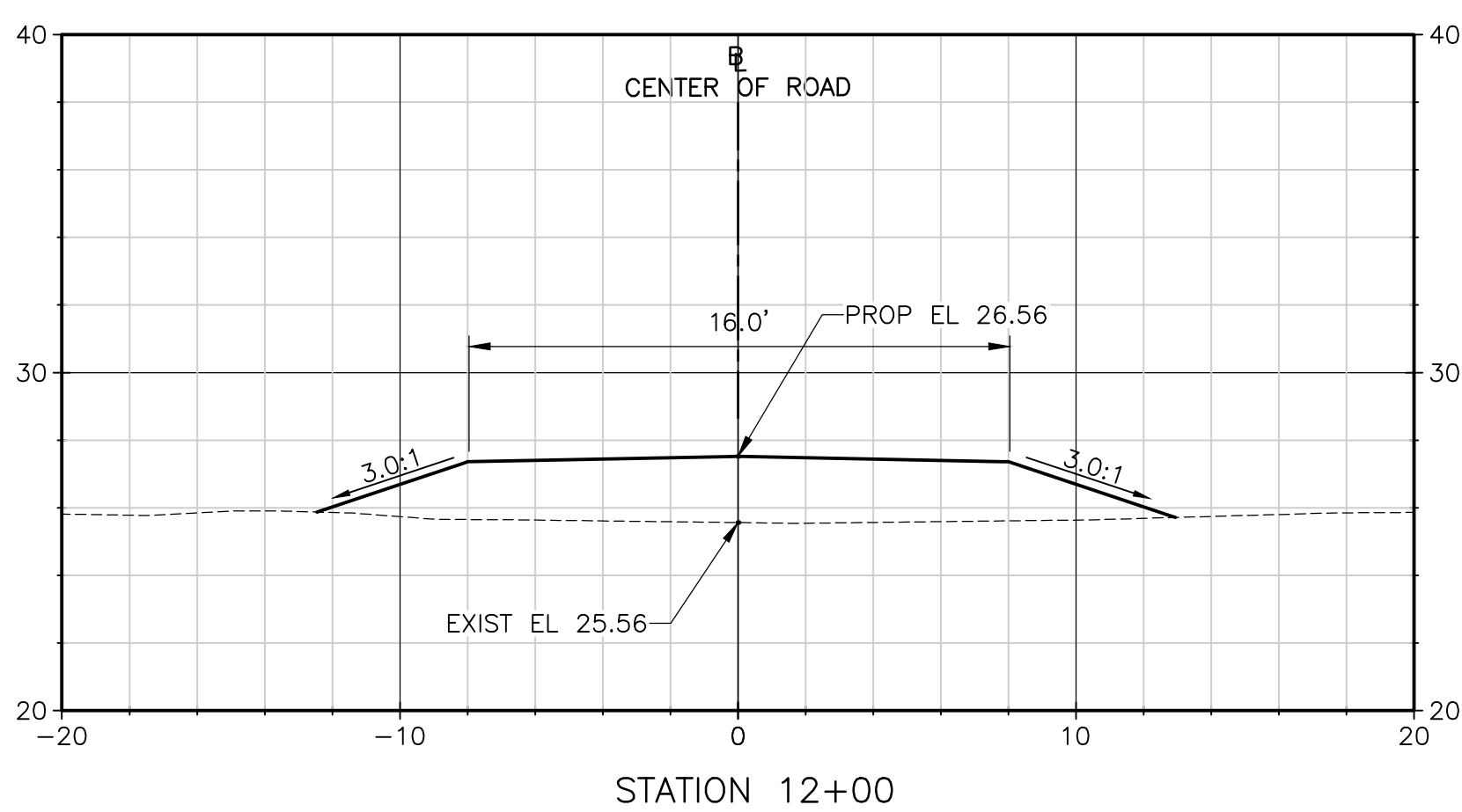
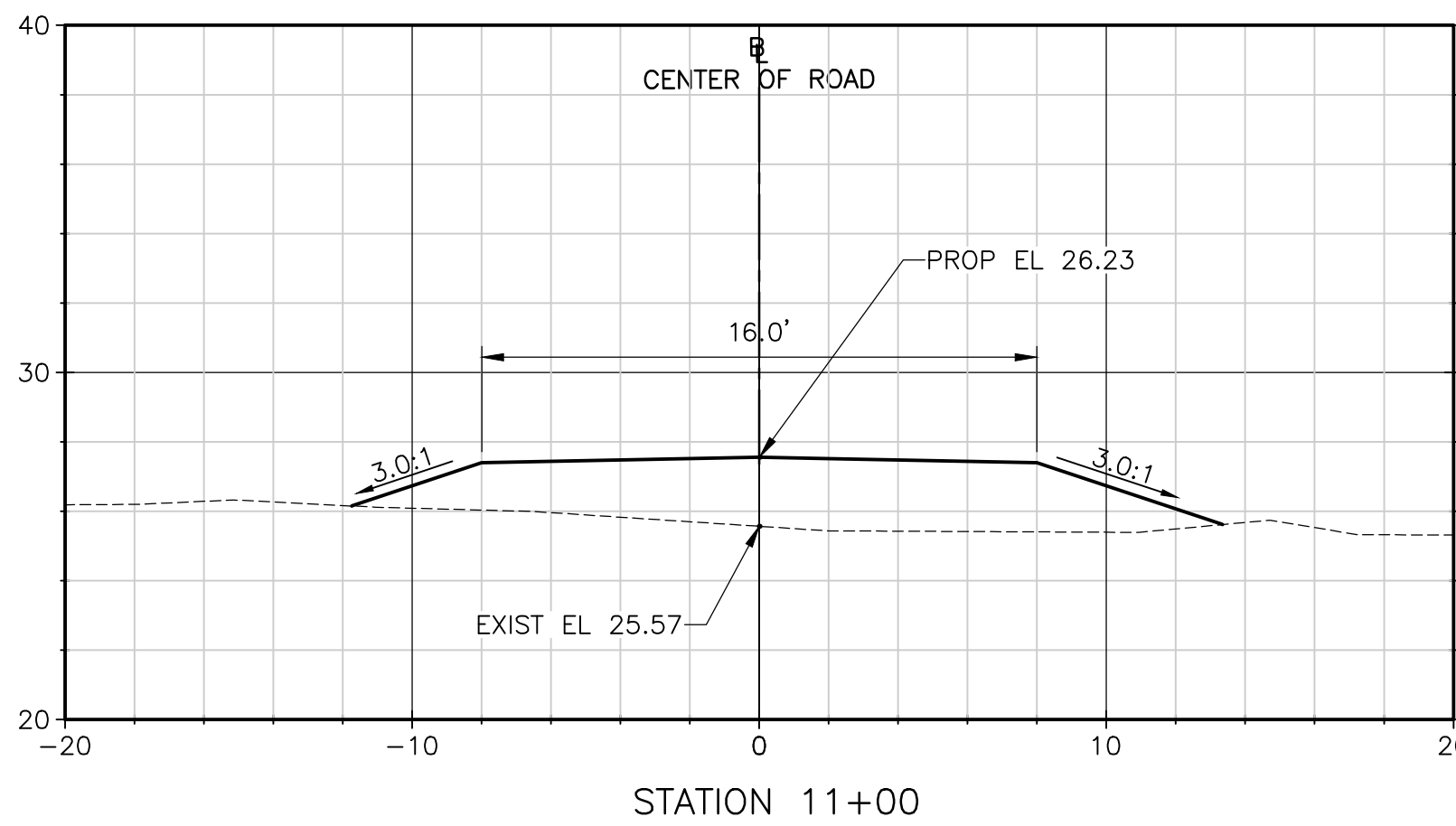


TABLE OF SIDEWALK THICKNESS - 1"	
LOCATION	"
RESIDENTIAL AREAS	4"
AT DRIVEWAYS AND OTHER AREAS	6"

TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	P.C. AND P.T. OF CURVES
"B"	5'-0" CENTER TO CENTER ON SIDEWALKS

ST JOHN'S COUNTY PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION - DETAIL NO. 118
SIDEWALK DETAIL



REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: _____	EV
DRAWN BY: _____	RF
SHEET CHK'D BY: _____	SS
CROSS CHK'D BY: _____	D. PRAH
APPROVED BY: _____	I. POLEMATIDIS
DATE: _____	FEBRUARY 2021

CDM Smith
4651 Salisbury Road, Suite 420
Jacksonville, FL 32256
Tel: (904) 731-7109
FL CDA No. EB-0000020

JACOBS
245 RIVERSIDE AVE, SUITE 300
JACKSONVILLE, FLORIDA 32202
EB0000072 AAC001992 LC26000188

JEA
RIVERTOWN WATER TREATMENT PLANT PROJECT

BACKUP WELL NO. 3 ACCESS DRIVEWAY DETAIL

DATE: _____
DAVID J. PRAH
PE NO. 43393

PROJECT NO. 6103-237938
FILE NAME: C007STPL.DWG

SHEET NO.
C-7

EXISTING PAVE
OR APPROVED
ACCESS POINT

CLEAN PIT RUN
OR 2 1/2" MINUS GRAVEL
(OR LARGER IF REQUIRED)

GEOTEXTILE, IF SPECIFIED

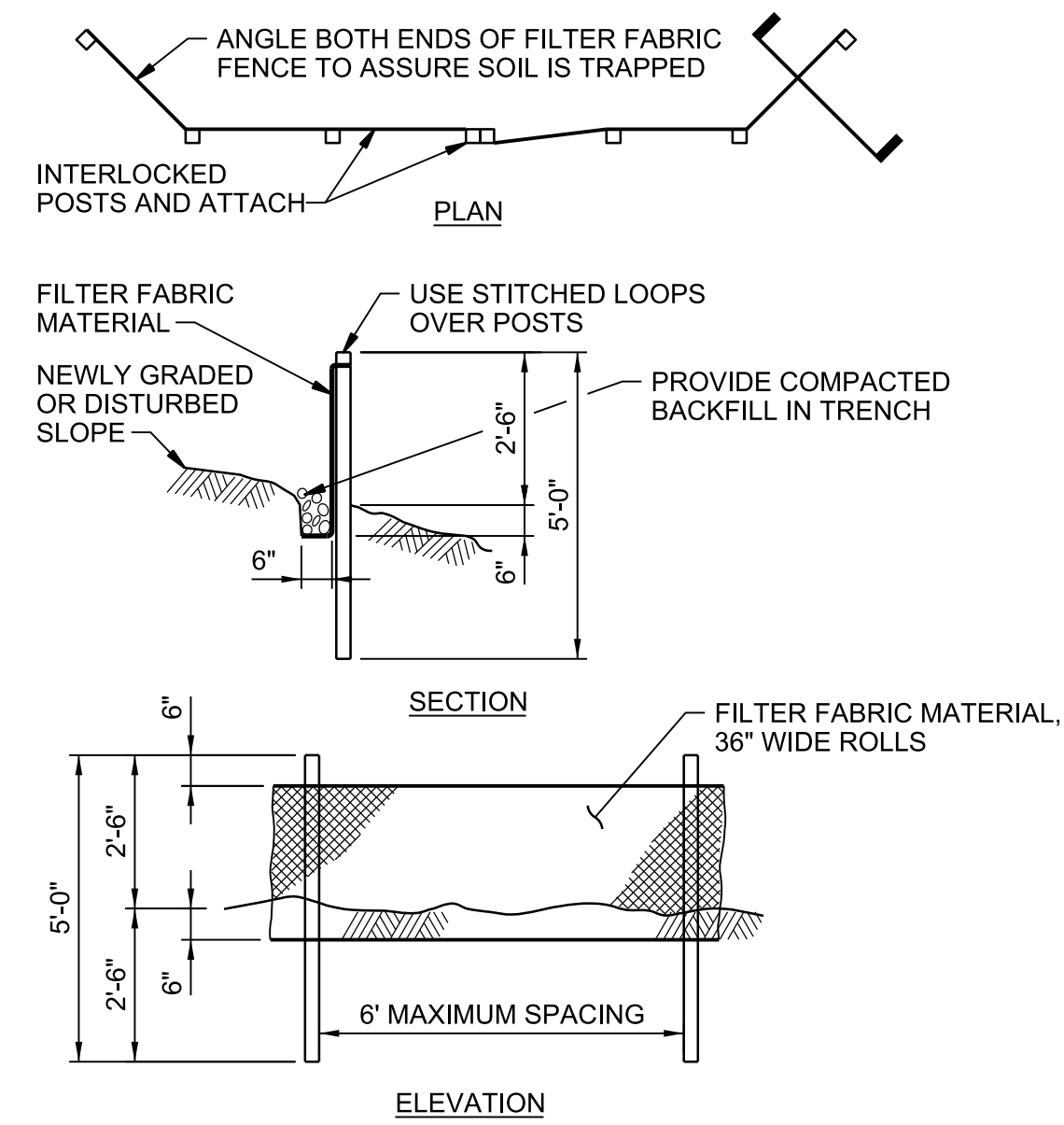
NOTES:

1. ADDITIONAL GRAVEL MAY HAVE TO BE ADDED PERIODICALLY TO MAINTAIN PROPER FUNCTION OF THE PAD.
2. REMOVE GRAVEL ENTRANCE AND REPLACE WITH NEW BASE COURSE PRIOR TO COMPLETION OF ACCESS ROAD.
3. CONTRACTOR RESPONSIBLE FOR REMOVAL OF ANY TRACK OUT OF GRAVEL INTO ROADWAY.

GRAVEL CONSTRUCTION ENTRANCE

NTS

3125-130



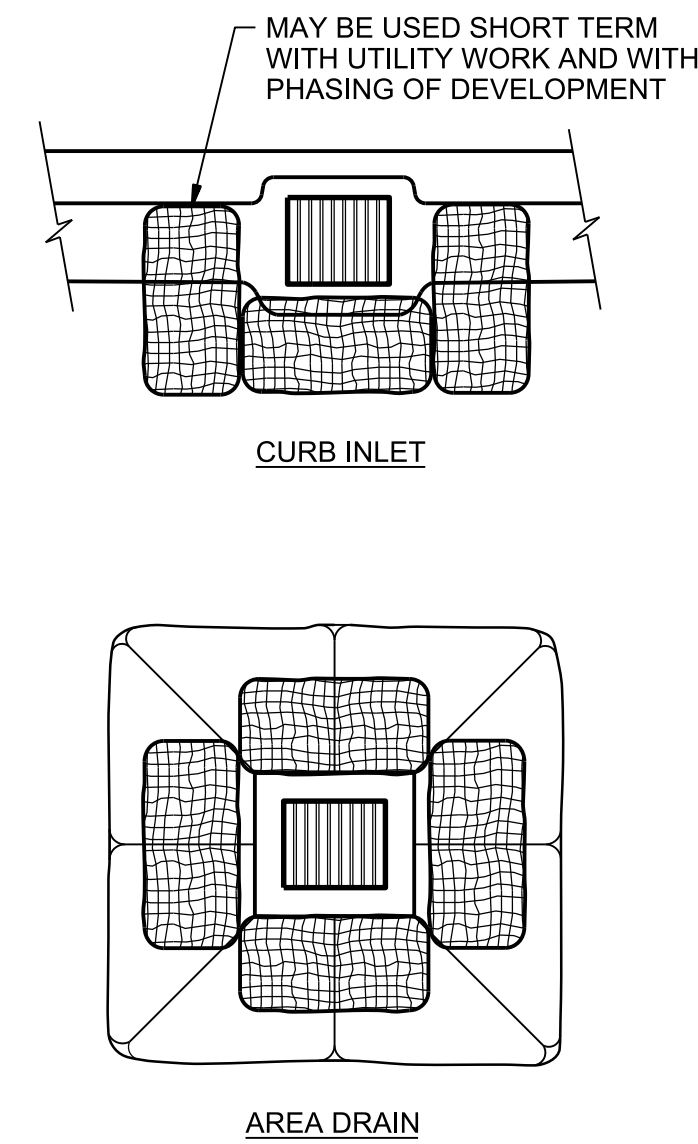
NOTES:

1. BURY BOTTOM OF FILTER FABRIC 6" VERTICALLY BELOW FINISHED GRADE.
2. WOOD OR STEEL FENCE POSTS.
3. STITCHED LOOPS TO BE INSTALLED DOWNHILL SIDE OF SLOPE.
4. COMPACT ALL AREAS OF FILTER FABRIC TRENCH.

SILT FENCE

NTS

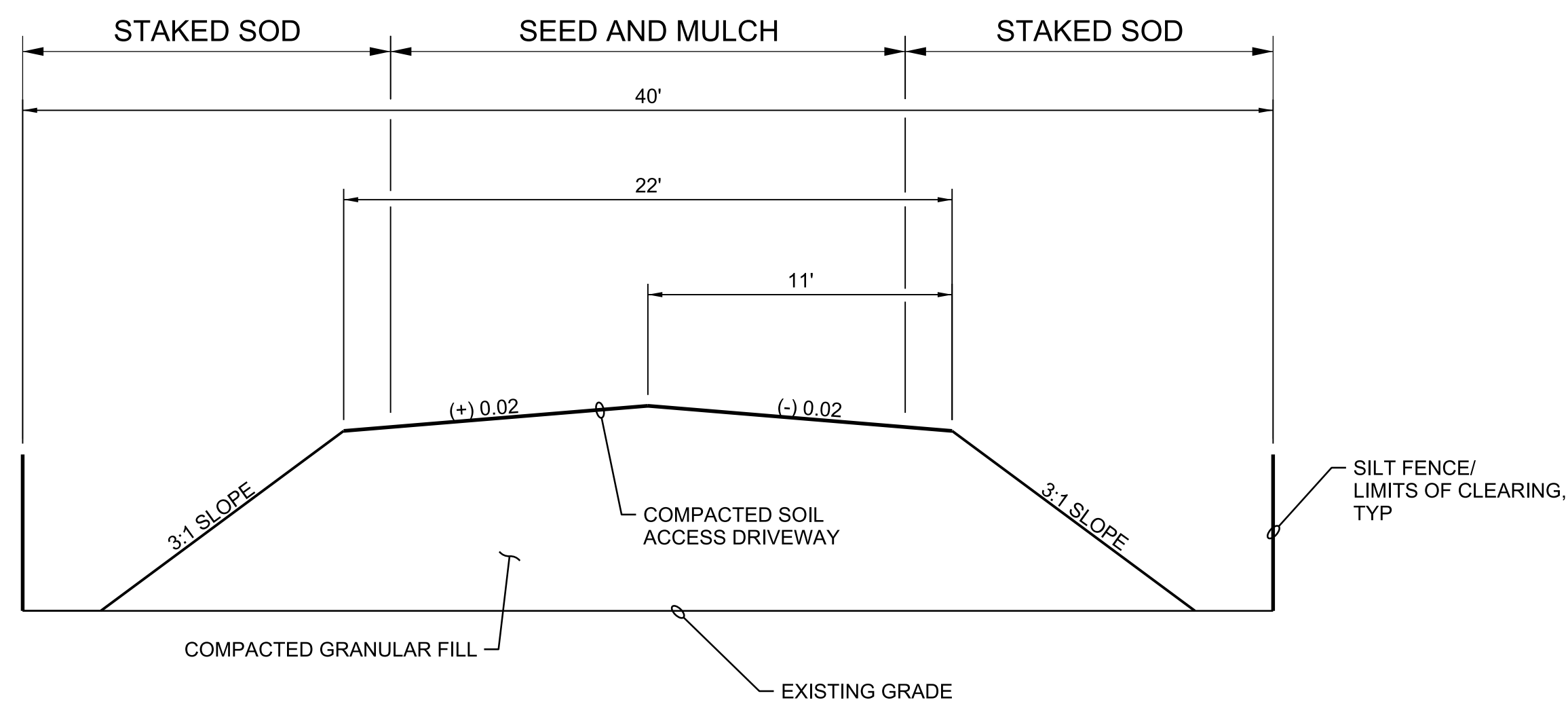
3125-165



BIOFILTER BAG INLET BARRIER

NTS

(3125-186



1 WELL 2 DRIVEWAY TYPICAL SECTION

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: B DYKES
DRAWN BY: N PATTERSON
SHEET CHK'D BY: R MORRISON
CROSS CHK'D BY: I POLEMATIDIS
APPROVED BY: R MORRISON
DATE: FEBRUARY 2021

**CDM
Smith**
4651 Salisbury Road, Suite 420
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Tel: (904) 731-7109
FL COA No. EB-0000020

JACOBS
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JACKSONVILLE, FLORIDA 32202
EB0000072 AAC001992 LC26000188

JEA

RIVERTOWN WATER TREATMENT PLANT PROJECT

CIVIL
DETAILS

DATE: 02/2021
RICHARD THOMAS MORRISON
PE NO. 67713

PROJECT NO.	6103-237938
JACOBS FILE NAME:	SP_C-901_D3270100.dgn
SHEET NO.	

C-8

ISSUED FOR BID

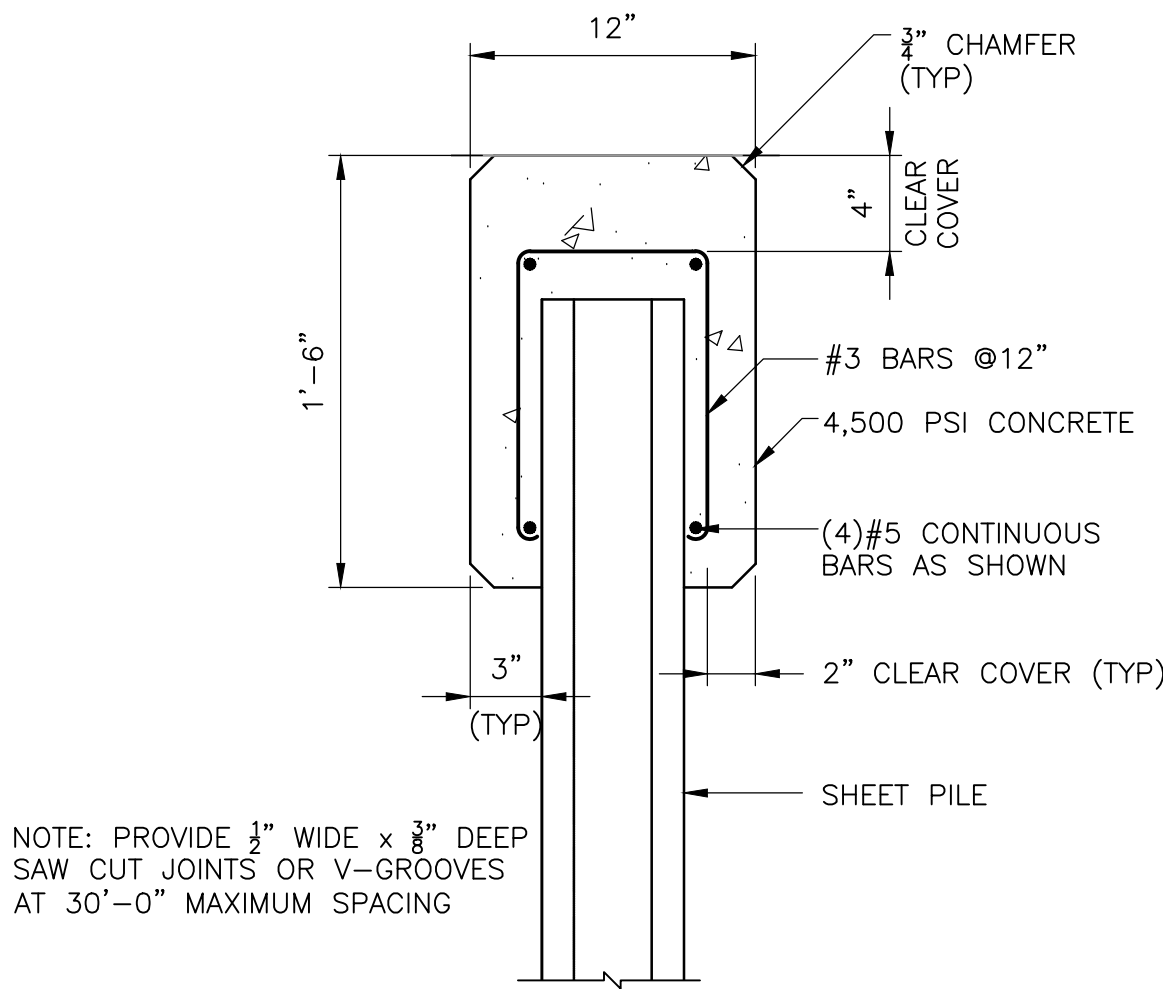
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p:\c\cdsmith--a02--pw\Bentley.com\PL\6103\237938\04 Design Services NM_60%\04 Structural\10 CAD\3001STNT.dwg
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GENERAL NOTES:

- SPECIFICATIONS: FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2020 EDITION) AND SUPPLEMENTS THERETO.
- DESIGN:
 - AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LRFD BRIDGE DESIGN SPECIFICATIONS, SEVENTH EDITION AND IMPLEMENTED MODIFICATIONS THERETO.
 - FDOT STRUCTURES MANUAL DATED 2020.
 - SHEET PILE WALLS HAVE BEEN DESIGNED BASED ON THE RETAINED HEIGHT AS SHOWN AND WHEN APPLICABLE, WITH A 240 PSF LIVE LOAD SURCHARGE AT THE UPPER GROUND SURFACE WHEN TRAFFIC IS ADJACENT TO THE WALL.
 - SOIL DATA IS BASED UPON THE GEOTECHNICAL REPORT FROM CSI GEO (DATED JUNE 2, 2020) AND GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- SHOP DRAWINGS FOR STEEL SHEET PILE WALLS SHALL BE SUBMITTED IN ACCORDANCE WITH FDOT SPECIFICATION 5.
- TEMPORARY EXCAVATION SLOPES SHALL NOT EXCEED 1.0 VERTICAL TO 2.0 HORIZONTAL.
- FOR EXISTING AND PROPOSED UTILITY LOCATIONS, SEE CIVIL AND ROADWAY PLANS.
- STEEL SHEET PILES SHALL BE ASTM A572.
- THE CONTRACTOR SHALL HAVE SUITABLE EQUIPMENT AND SHALL TAKE APPROPRIATE MEASURES TO ACHIEVE THE REQUIRED TIP ELEVATIONS. THESE MAY INCLUDE PRE-PUNCHING, SPUDDING, PREFORMED PILE HOLES, OR OTHER METHODS, AND ANY ASSOCIATED COST SHALL BE INCIDENTAL TO THE COST OF STEEL SHEET PILING (PERMANENT).
- THE CONTRACTOR SHALL TAKE ANY AND ALL NECESSARY MEASURES TO PROTECT EXISTING STRUCTURES FROM DAMAGE WHEN WORKING IN AND AROUND EXISTING STRUCTURES PERFORMING WORK SUCH AS DEMOLITION, FOUNDATION EXCAVATION AND OTHERS.
- ALL STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE CIVIL AND ROADWAY DRAWINGS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL REVIEW AND VERIFY DIMENSION SHOWN IN ALL PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT THE INSTALLATION OF THE STRUCTURE. SHOULD DISCREPANCIES APPEAR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING TO OBTAIN ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH THE WORK.
- ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.
- STANDARD DETAILS APPLY TO ALL SIMILAR SITUATIONS ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

CONCRETE AND REINFORCING NOTES:

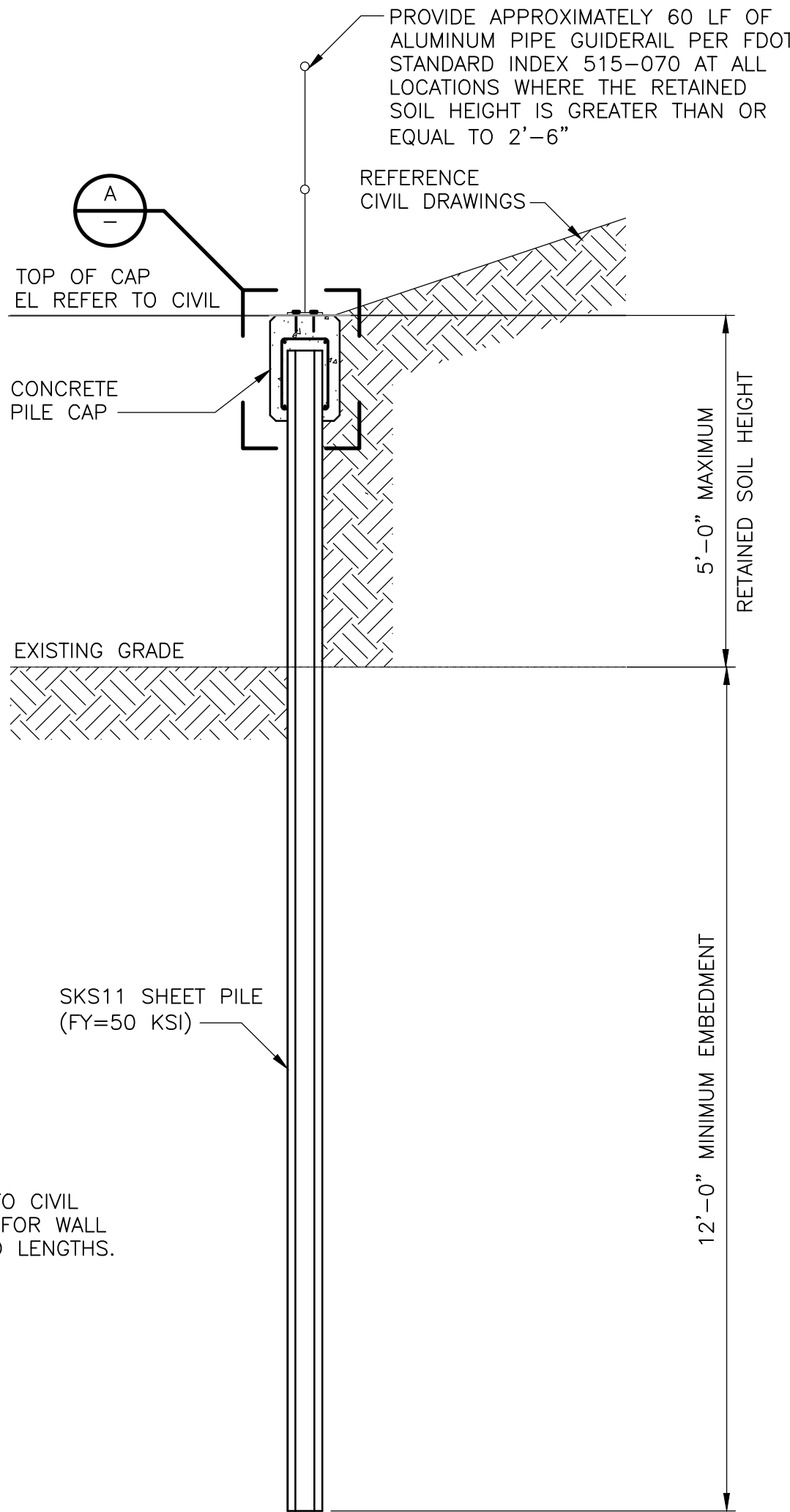
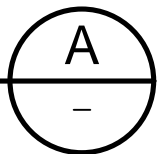
- CONCRETE SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATION 346.
- CONCRETE SHALL BE CLASS II AND OBTAIN A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 4,500 PSI.
- PROVIDE $\frac{3}{8}$ " CHAMFERS ON ALL EXPOSED EDGES UNLESS NOTED OTHERWISE.
- ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60.



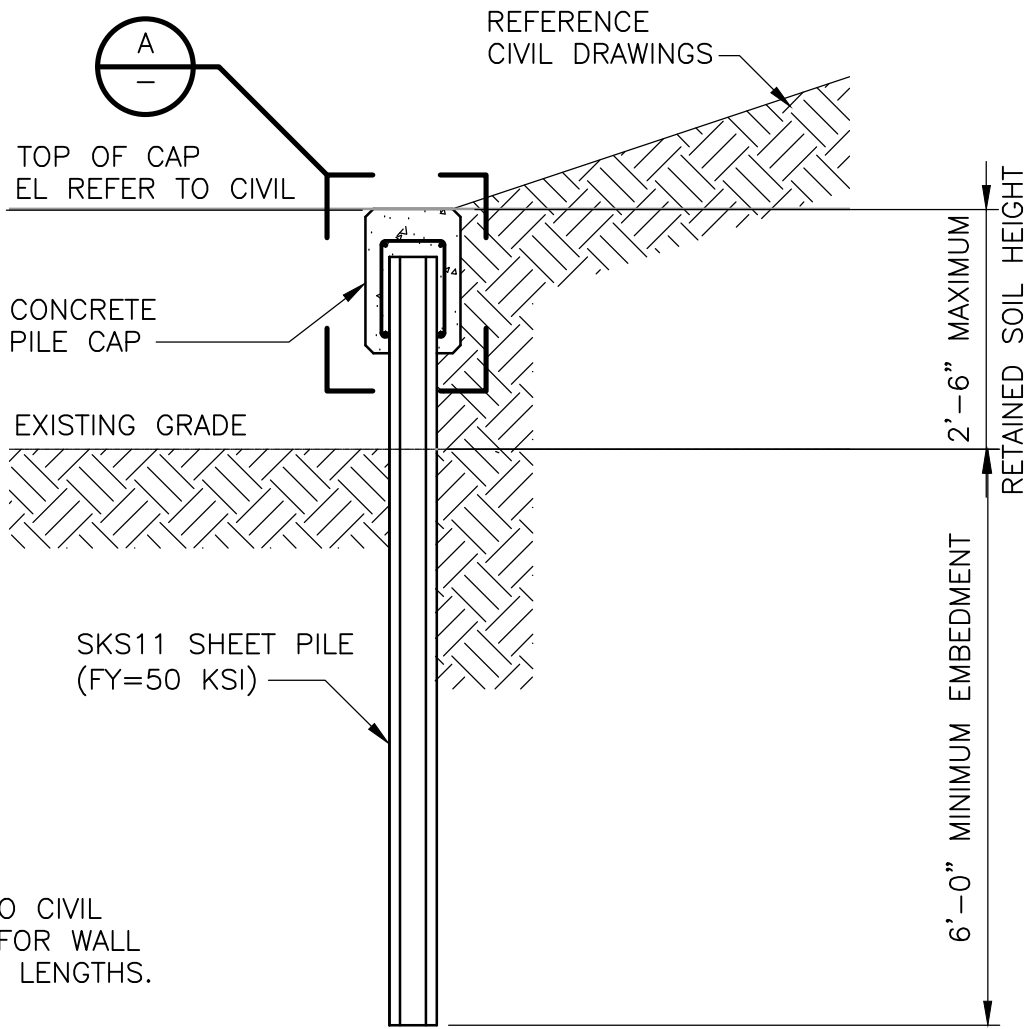
SHEET PILE CONCRETE CAP

DETAIL

1-1/2" = 1'-0"



NOTE: REFER TO CIVIL DRAWING C-3 FOR WALL LOCATIONS AND LENGTHS.



NOTE: REFER TO CIVIL DRAWING C-3 FOR WALL LOCATIONS AND LENGTHS.

SECTION

1/2" = 1'-0"

1

-

REV.	NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: H. MORATAYA
DRAWN BY: P. SCHIAVO
SHEET CHK'D BY: K. FRANCOFORTE
CROSS CHK'D BY: J. BRIAND
APPROVED BY: H. MORATAYA
DATE: FEBRUARY 2021

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EB0000072 AAC001992 LC26000188

JEA
RIVERTOWN WATER TREATMENT PLANT PROJECT

RETAINING WALL
NOTES, SECTION AND DETAILS

DATE:
HECTOR G. MORATAYA
PE NO. 76177

PROJECT NO. 6103-237938
FILE NAME: S001STNT.DWG

SHEET NO.

S-1