

State of New York Public Service Commission

NextEra Energy Transmission New York, Inc.

(NEETNY)

Empire State Line

Case 18-T-0499

Appendix D

Stormwater Pollution Prevention Plan

**for compliance with NYSDEC General Permit GP-0-15-002 for
stormwater discharges**

Supplemental

September 2020



The following documentation is included in this Supplement

- **Supplement to Attachment B of the SWPPP:**
 - **Town of Lancaster Signed MS4 Acceptance**
- **Supplements to Attachment F of the SWPPP**
 - **Drawing 13666-004-C1-0116**
 - **Culvert and Access Plan**

Supplement to Attachment B of the SWPPP: Town of Lancaster Signed MS4 Acceptance



Department of
Environmental
Conservation

NYS Department of Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, New York 12233-3505

**MS4 Stormwater Pollution Prevention Plan (SWPPP) Acceptance
Form**
for

Construction Activities Seeking Authorization Under SPDES General Permit

*(NOTE: Attach Completed Form to Notice Of Intent and Submit to Address Above)

I. Project Owner/Operator Information

1. Owner/Operator Name: NextEra Energy Transmission New York, Inc.
2. Contact Person: Vu JohnBinh
3. Street Address: 700 Universe Blvd, UST C-5666
4. City/State/Zip: Juno Beach, FL 33408

II. Project Site Information

5. Project/Site Name: Empire State Line
6. Street Address: 141 Stolle Road
7. City/State/Zip: Elma, New York 14059

III. Stormwater Pollution Prevention Plan (SWPPP) Review and Acceptance Information

8. SWPPP Reviewed by: EDWARD SCHILLER, PE
9. Title/Position: TOWN ENGINEER
10. Date Final SWPPP Reviewed and Accepted: 8/17/2020

IV. Regulated MS4 Information

11. Name of MS4: Town of Lancaster
12. MS4 SPDES Permit Identification Number: NYR20A NYR20A399-176
13. Contact Person: EDWARD SCHILLER, PE
14. Street Address: WM SCHOTT ASSOC, 37 CENTRAL AVE
15. City/State/Zip: LANCASTER, NY 14086
16. Telephone Number: (716) 683-5961

MS4 SWPPP Acceptance Form - continued

V. Certification Statement - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative

I hereby certify that the final Stormwater Pollution Prevention Plan (SWPPP) for the construction project identified in question 5 has been reviewed and meets the substantive requirements in the SPDES General Permit For Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s).

Note: The MS4, through the acceptance of the SWPPP, assumes no responsibility for the accuracy and adequacy of the design included in the SWPPP. In addition, review and acceptance of the SWPPP by the MS4 does not relieve the owner/operator or their SWPPP preparer of responsibility or liability for errors or omissions in the plan.

Printed Name: RONALD RUFFINO, SR

Title/Position: Town SUPERVISOR

Signature: Ronald Ruffino, Sr

Date: 8/18/20

VI. Additional Information

Supplements to Attachment F of the SWPPP

- **Drawing 13666-004-C1-0116**
- **Culvert and Access Plan**

Drawing 13666-004-C1-0116

BACKFILL ZONE 2 – TOP OF EXCAVATION TO SPRING LINE OF PIPE: COMPACT MATERIAL MEETING THE REQUIREMENTS OF NOTE 1, IN LAYERS NOT EXCEEDING 6" LOOSE THICKNESS TO 90% ASTM D1557.

BACKFILL ZONE 1 – BOTTOM OF EXCAVATION TO SPRING LINE OF PIPE: HAND PLACE BEDDING MATERIAL IN LAYERS NOT EXCEEDING 6" LOOSE THICKNESS AND COMPACT TO 90% ASTM D1557. (NOTE 1)

FINISHED GRADE

TRENCH WALLS MAY BE SLOPED ABOVE TOP OF PIPE

12" (MIN)

TRENCH WALLS SHALL BE VERTICAL FROM BOTTOM OF EXCAVATION TO TOP OF PIPE

8"

UNDISTURBED TRENCH BED (NOTE 2)

COMPACTED BEDDING: OVEREXCAVATE THE TRENCH A DEPTH OF 8". PLACE BEDDING MATERIAL TO THE OUTSIDE BOTTOM OF THE PIPE AND COMPACT AS SPECIFIED FOR ZONE 1 BACKFILL.

4'-0"

30" DIA

1

1

CULVERT BEDDING AND BACKFILL NOTES

1. CULVERT BEDDING AND BACKFILL MATERIAL SHALL MEET THE REQUIREMENTS OF NYSDOT STANDARD SPECIFICATIONS TABLE 703-4, SIZE NO. 1.

2. SOFT TRENCH BOTTOM: IF THE BOTTOM OF THE TRENCH IS SOFT, OVER EXCAVATE UP TO 2'-0" AS SPECIFIED BY THE PURCHASER AND REPLACE WITH "GRANULAR BEDDING MATERIAL" COMPACTED TO 90% ASTM D1557.

CULVERT BEDDING AND BACKFILL PLACEMENT

DETAIL 1

N.T.S.

8'

2'

12'

6" (TYP)

2'

8'

10'

PLAN

NORTH

LIMITS PER PLAN

ACCESS ROAD LIMITS

LIMITS PER PLAN

EXIST. GRADE

FLOW

RIPRAP LAYER (TYP)

GEOTEXTILE – 6 OZ/SY NON-WOVEN SEPARATOR (TYP)

CULVERT (SEE PLAN FOR DIA.)

SECTION
(LOOKING SOUTH)

ACCESS ROAD CULVERT

DETAIL 2

N.T.S.

DETAIL 2 NOTES:

1. RIPRAP SHALL CONSIST OF 18" THICK FINE STONE PER NYSDOT TABLE 733-21A.

2. CULVERT BEDDING AND BACKFILL SHALL BE PLACED IN ACCORDANCE WITH DETAIL 1.

LEGEND

NOTES

1. NATIONAL GRID (NG), TOGETHER WITH THE CONSULTING FIRM (ENVIRONMENTAL DESIGN & RESEARCH (EDR), PREPARED A NYSDOT APPROVED STORMWATER MANAGEMENT PROTOTYPE SYSTEM (SYSTEM), WHICH MAY BE APPLICABLE TO SUBSTATION PROJECTS. THE USER ASSUMES THE SOLE RESPONSIBILITY FOR THE USE OF THIS SYSTEM, ITS APPLICABILITY TO THE PROJECT SITE, AND THE VERIFICATION OF APPROPRIATE USE AND COMPLIANCE WITH VILLAGE, TOWN, CITY, COUNTY, STATE, AND FEDERAL STORMWATER REQUIREMENTS FOR THIS LOCATION.

2. THE GEOTECHNICAL REPORT FOR THE PROJECT WAS PREPARED BY WMA ENGINEERING DPC, DATED MARCH 29, 2019.

3. SITE PREPARATION SHALL INCLUDE THE REMOVAL OF ALL EXISTING TOPSOIL AND FILL/DISTURBED SURFACE SOIL, AND ANY LOOSE OR SOFT INDIGENOUS SOILS PRIOR TO ANY FILL MATERIAL PLACEMENT.

4. ALL FILL MATERIAL FOR THE PROJECT SHALL MEET THE REQUIREMENTS FOR STRUCTURAL FILL OR SUITABLE GRANULAR FILL AS INDICATED IN APPENDIX E OF THE GEOTECHNICAL REPORT. ALL SITE FILLING OPERATIONS SHALL BE MONITORED AND TESTED BY QUALIFIED GEOTECHNICAL ENGINEERING PERSONNEL.

5. NO FILL MATERIAL PLACEMENT SHALL BE ALLOWED OVER FILL MATERIAL WHICH HAS NOT BEEN PROPERLY PLACED AND COMPACTED OR ON WET, SOFT, UNSTABLE OR FROZEN SUBGRADES.

6. EXPOSED SUBGRADES SHALL BE CAREFULLY INSPECTED, PROOFROLLED, AND EVALUATED BY QUALIFIED GEOTECHNICAL ENGINEERING PERSONNEL PRIOR TO FILL PLACEMENT.

7. PROOFROLLING SHALL BE PERFORMED PRIOR TO FILL PLACEMENT USING A SMOOTH DRUM ROLLER, WEIGHING AT LEAST 10 TONS. THE ROLLER SHALL BE OPERATED IN STATIC MODE, AND COMPLETE AT LEAST 2 PASSES OVER THE EXPOSED SUBGRADES. PROOFROLLING MAY BE WAIVED IN THE PRESENCE OF WET SUBGRADES, IF DIRECTED BY QUALIFIED GEOTECHNICAL ENGINEERING PERSONNEL.

8. IT IS RECOMMENDED THAT AREAS WITH FILL MATERIAL EXCEEDING 2-3 FEET BE COMPLETED AT LEAST 6 MONTHS IN ADVANCE OF SPREAD AND MAT FOUNDATION, FLOOR SLAB, AND UTILITY CONSTRUCTION, TO HELP LIMIT POST-CONSTRUCTION SETTLEMENT.

9. IT IS A VIOLATION OF THE GUIDELINES FOR PROFESSIONAL ENGINEERING PRACTICE IN NEW YORK STATE LAW FOR ANY PERSON TO ALTER THIS DOCUMENT IN ANY WAY, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER.

10. CLEARING AND STRIPPING OF ALL TOPSOIL AND SURFICIAL ORGANIC MATTER WITHIN THE PAD AND ROAD LIMITS IS REQUIRED. THE THICKNESS OF TOPSOIL IS ESTIMATED AS 6". IF ANY EXISTING FILL MATERIAL IS DEEMED UNSUITABLE BY THE GEOTECHNICAL ENGINEER, IT SHALL BE UNDERCUT AND REPLACED WITH STRUCTURAL FILL MATERIAL.

11. ALL SUBGRADES SHALL BE PROOFROLLED WITH A 10-TON OR HEAVIER VIBRATORY DRUM ROLLER, AT A SPEED OF 2 MPH OR LESS. ANY SOFT AREAS SHALL BE UNDERCUT AND REPLACED WITH STRUCTURAL FILL AS DIRECTED BY GEOTECHNICAL ENGINEER. SUBGRADE SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF ANY FILL MATERIAL.

12. SEED MIXTURE:

MIXTURES	RATE PER ACRE (LBS)	RATE PER 1,000 SQ. FT. (LBS)
WHITE CLOVER OR LADINO CLOVER	8	0.20
SMOOTH BROMEGRASS	20	0.45
CREEPING RED FESCUE	2	0.05
TOTAL	30	0.70

13. EROSION CONTROL BLANKETING SHALL BE PLACED ALONG ALL SIDESLOPES AND OTHER AREAS NOT STABILIZED BY STONE AND SEEDED PER NOTE 12.

REFERENCE DRAWINGS

SCALE:

NONE

STATE OF NEW YORK
JAMES T. PERRY
099273
LICENSED PROFESSIONAL ENGINEER

CONTRACTOR/INSTALLER SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO ENSURE THE SAFETY OF ALL PEOPLE LOCATED ON THE WORK SITE, INCLUDING CONTRACTOR'S/INSTALLER'S PERSONNEL (OR THAT OF ITS SUB-CONTRACTOR(S)) PERFORMING THE WORK.

ANY MODIFICATION OR ADDITION TO THIS DRAWING BY ANY ORGANIZATION OTHER THAN SARGENT & LUNDY IS NOT THE RESPONSIBILITY OF SARGENT & LUNDY.

Sargent & Lundy

55 EAST MONROE ST., CHICAGO, ILL.

NEXTERA ENERGY

TRANSMISSION NEW YORK

NEXTERA ENERGY TRANSMISSION NEW YORK, INC

EMPIRE STATE LINE

E. STOLLE SWITCHYARD

SITE GRADING DETAILS

13666-004-C1-0116

B

12/19/19

PRELIMINARY RELEASE - ISSUED FOR PERMITS

CAF

JTP

KVP

S&L

A

10/25/19

PRELIMINARY RELEASE - ISSUED FOR REVIEW

CAF

JTP

KVP

S&L

NO

DATE

REVISIONS AND RECORD OF ISSUE

DRWN

REV'D

APPR

COMP

APPD:

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DATE: 10/25/2019

PREP:

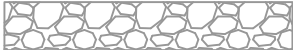
JC

CHKD:

JP

Culvert and Access Plan

LEGEND

— — — — —	EXISTING MAJOR CONTOUR LINE
- - - - -	EXISTING MINOR CONTOUR LINE
— . . . — . . . —	PROPERTY BOUNDARY
OHE — — — — —	OVERHEAD ELECTRIC
— — — — — GAS — — — — —	GAS PIPELINE
— BR — — — — — BR — — — — —	BRINE PIPELINE
— — — — — W — — — — —	WATERLINE
— — — — — T — — — — —	TELEPHONE LINE
	TEMPORARY CONSTRUCTION ENTRANCE
	TIMBER MATS
	CULVERT

INDEX

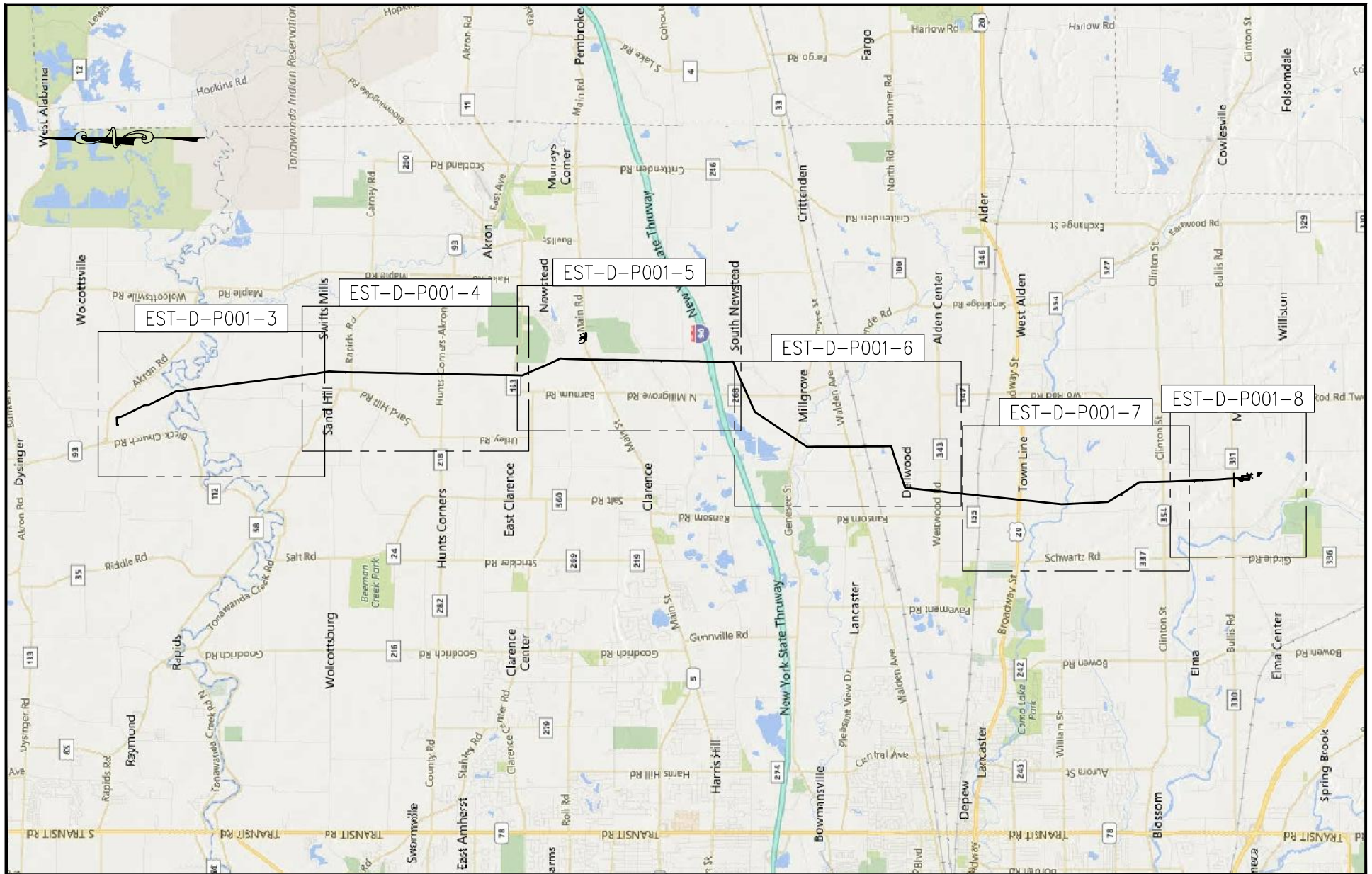
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P001-2	INDEX	P002-15	TOWN	P002-38	STATE	P002-61	COUNTY
P001-3	INDEX	P002-16	TOWN	P002-39	STATE	DETAILS	
P001-4	INDEX	P002-17	TOWN	P002-40	STATE		
P001-5	INDEX	P002-18	COUNTY	P002-41	STATE	P002-100	CULVERT
P001-6	INDEX	P002-19	COUNTY	P002-42	STATE	P002-101	END SECTION
P001-7	INDEX	P002-20	COUNTY	P002-43	COUNTY	P002-102	GRATE
P001-8	INDEX	P002-21	COUNTY	P002-44	COUNTY	P002-103	BOLLARD & GATE
		P002-22	COUNTY	P002-45	COUNTY		
	JURISDICTION TYPE	P002-23	STATE	P002-46	COUNTY		
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P002-2	STATE	P002-25	STATE	P002-48	TOWN		
P002-3	COUNTY	P002-26	TOWN	P002-49	FEDERAL		
P002-4	TOWN	P002-27	TOWN	P002-50	FEDERAL		
P002-5	TOWN	P002-28	TOWN	P002-51	TOWN		
P002-6	COUNTY	P002-29	TOWN	P002-52	TOWN		
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P002-9	COUNTY	P002-32	TOWN	P002-55	TOWN		
P002-10	TOWN	P002-33	TOWN	P002-56	TOWN		
P002-11	COUNTY	P002-34	COUNTY	P002-57	STATE		

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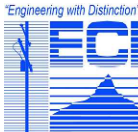
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CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
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CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
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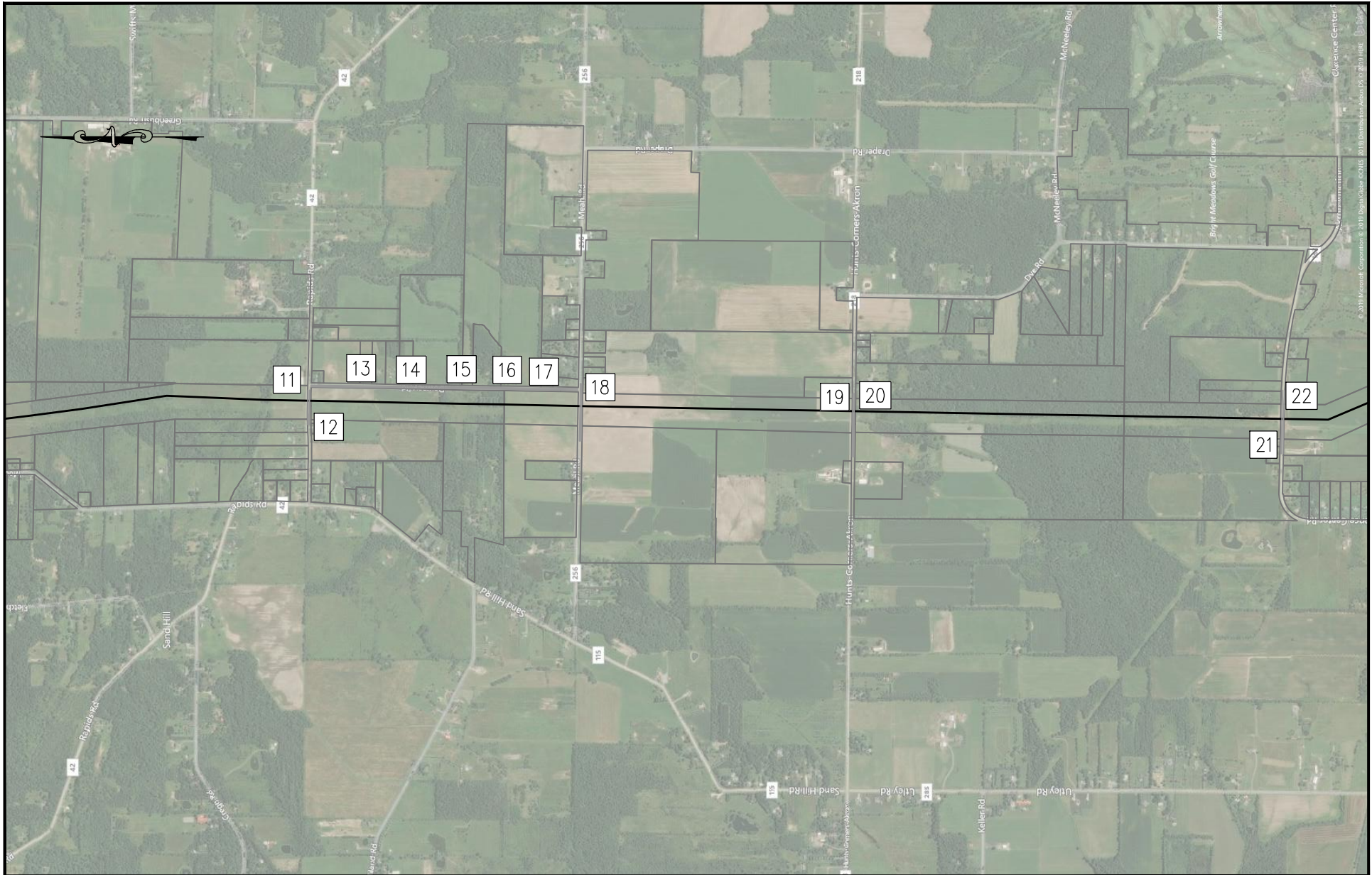


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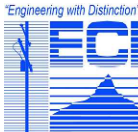
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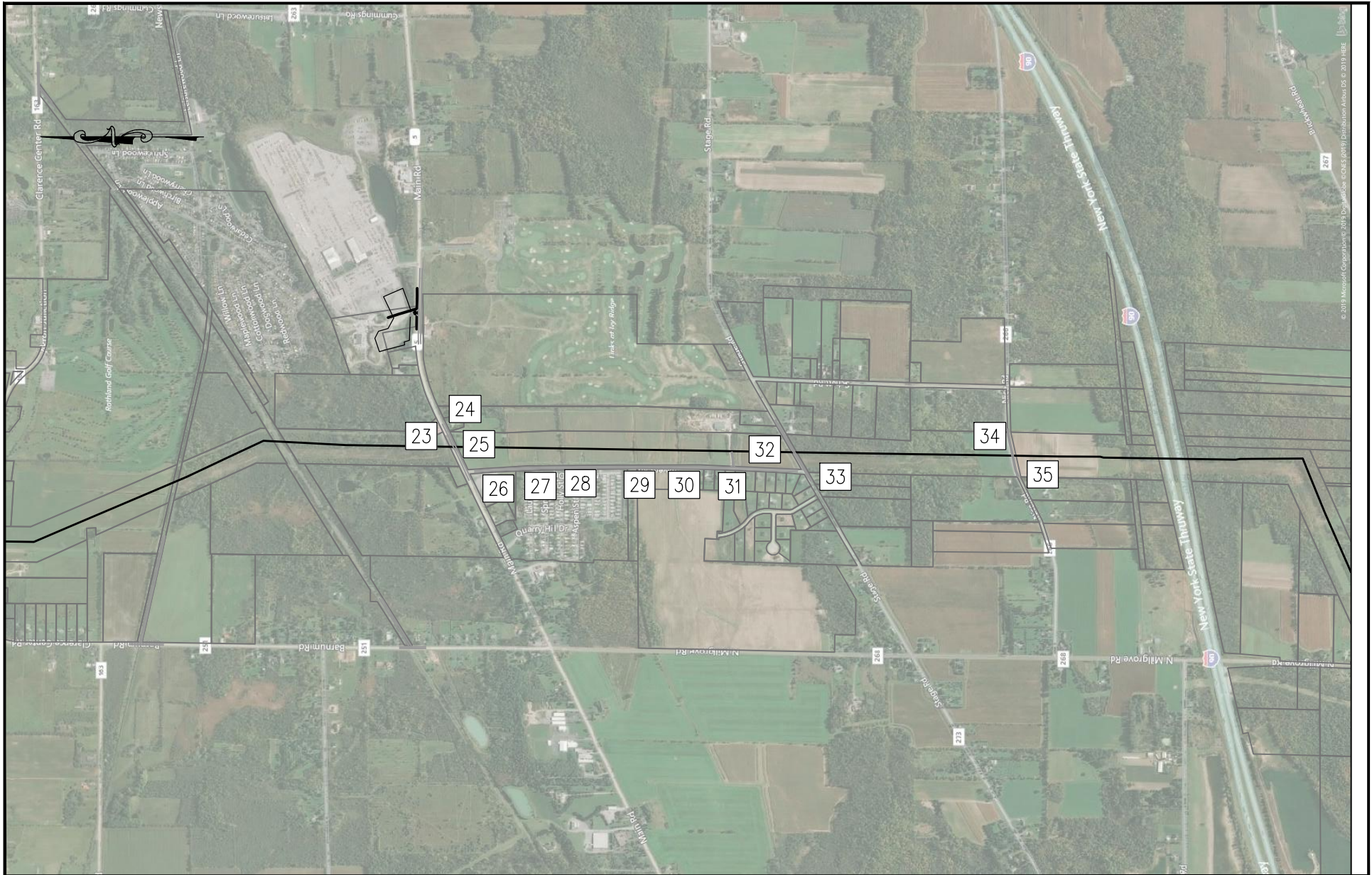


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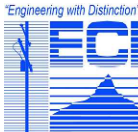
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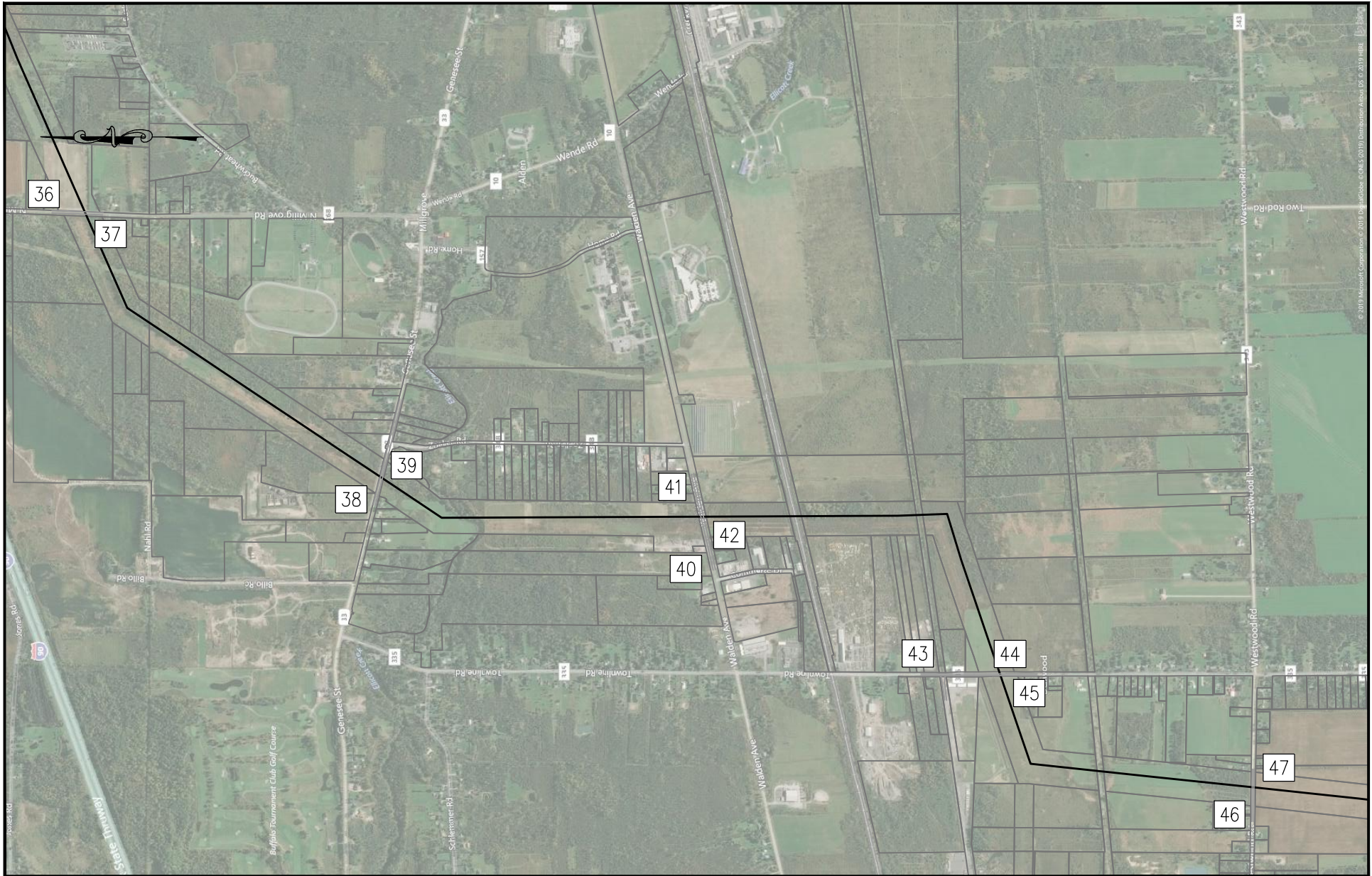


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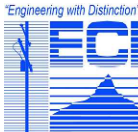
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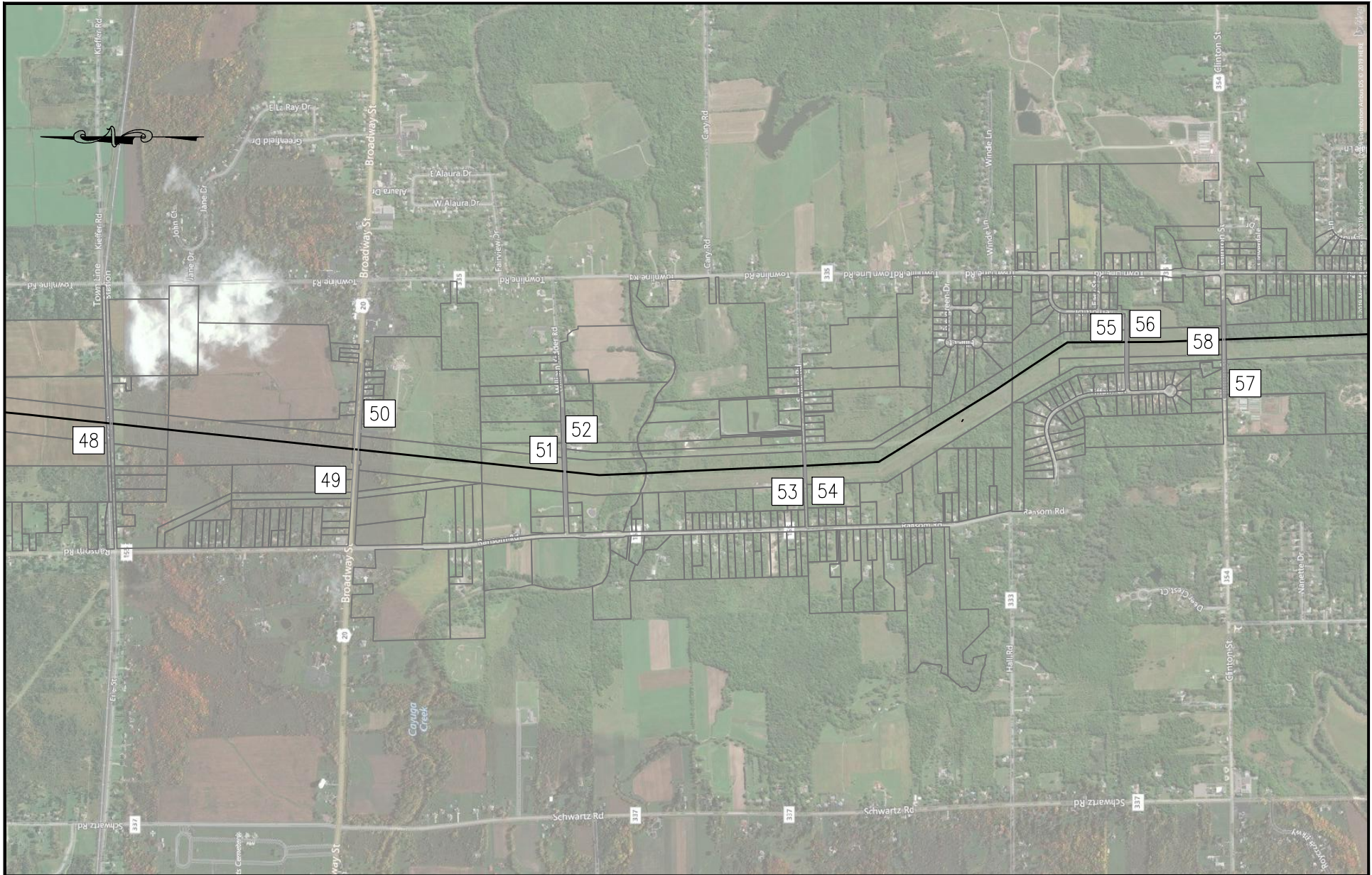
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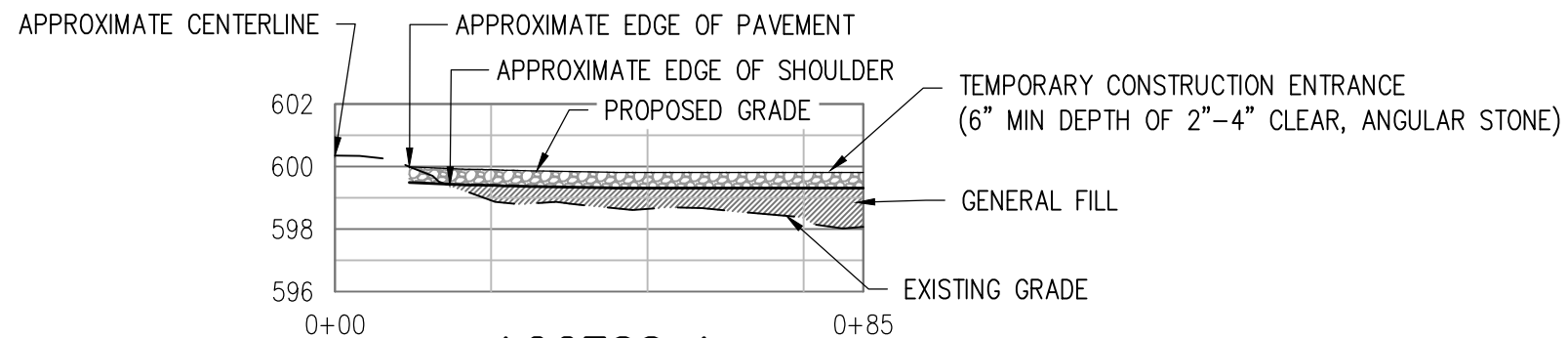
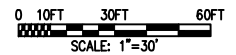
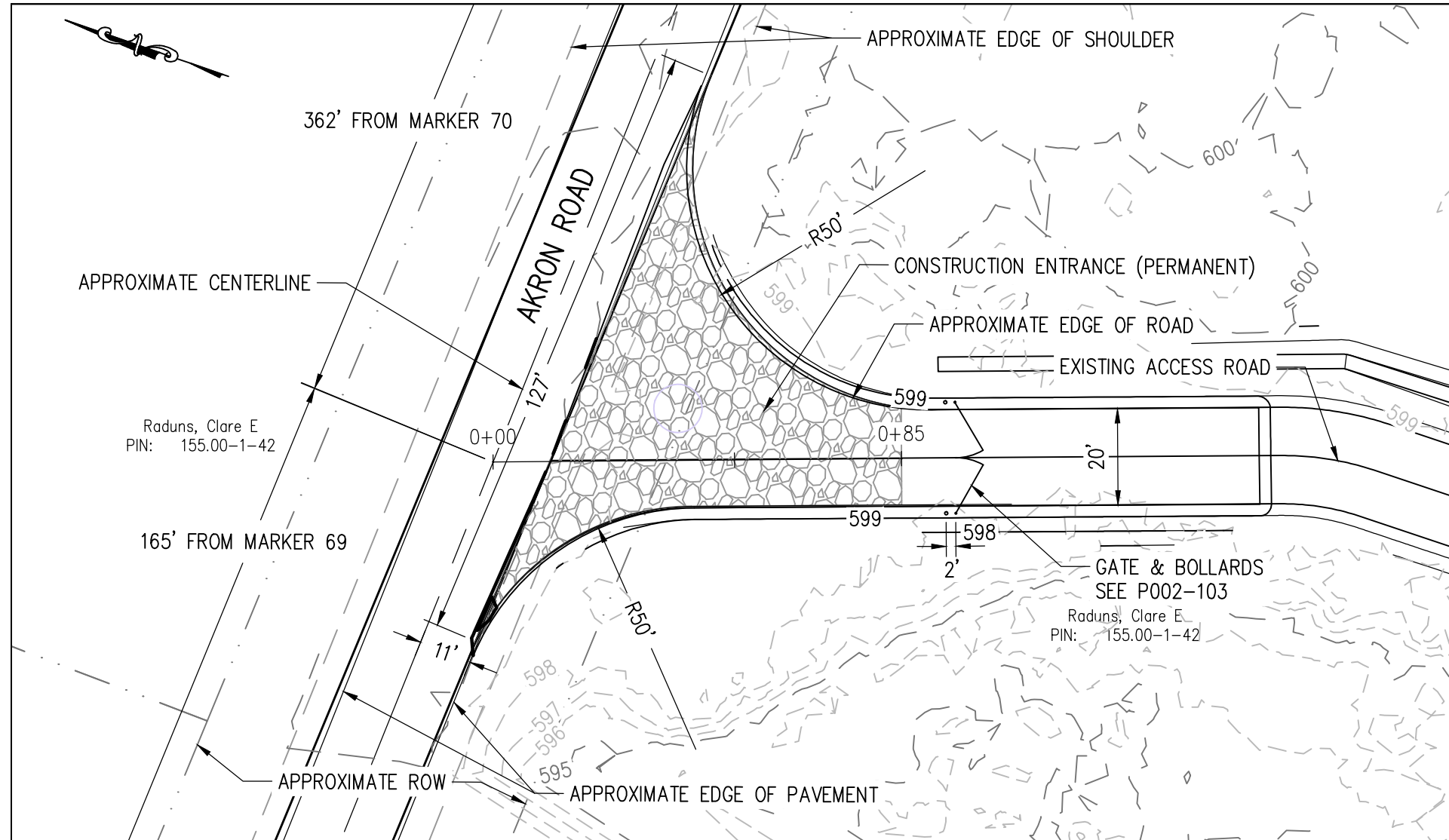


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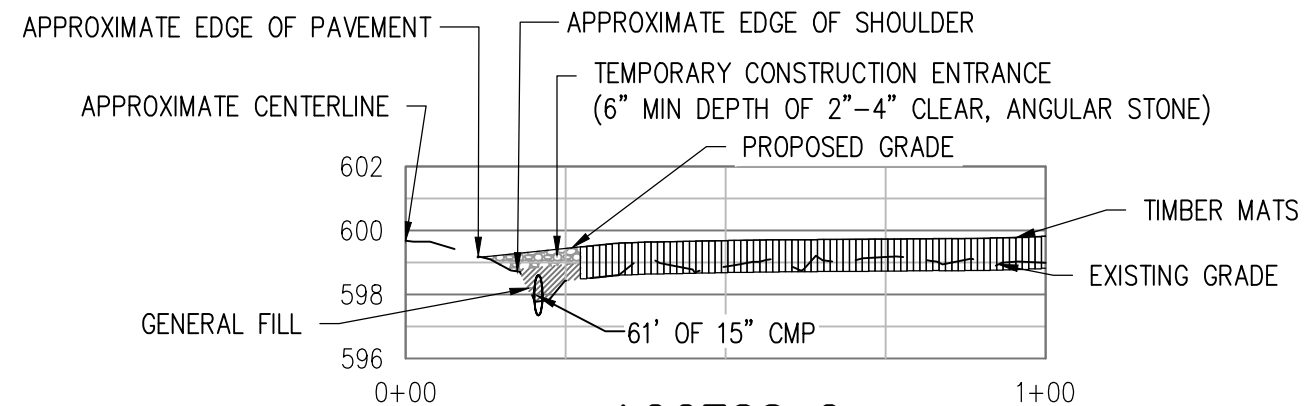
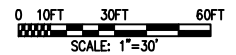
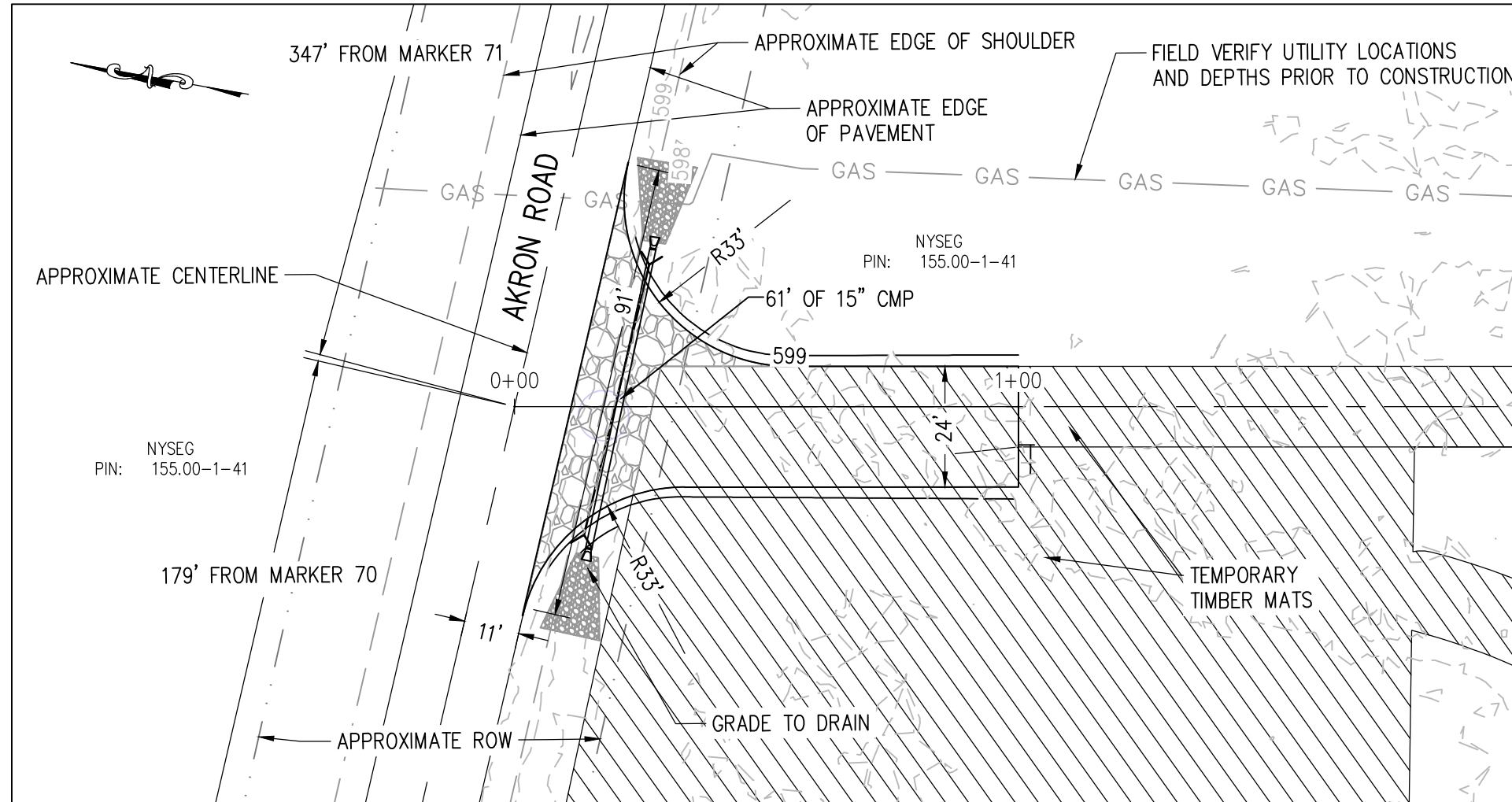
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1"= 6' VERTICAL

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ENGINEERING RECORD		DATE
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DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
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EMPIRE STATE LINE ENTRANCE PLANS ACCESS 1 PLAN & PROFILE		DWG. NAME:	EST-D-P002-1	REV NO:	C



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1"= 6' VERTICAL

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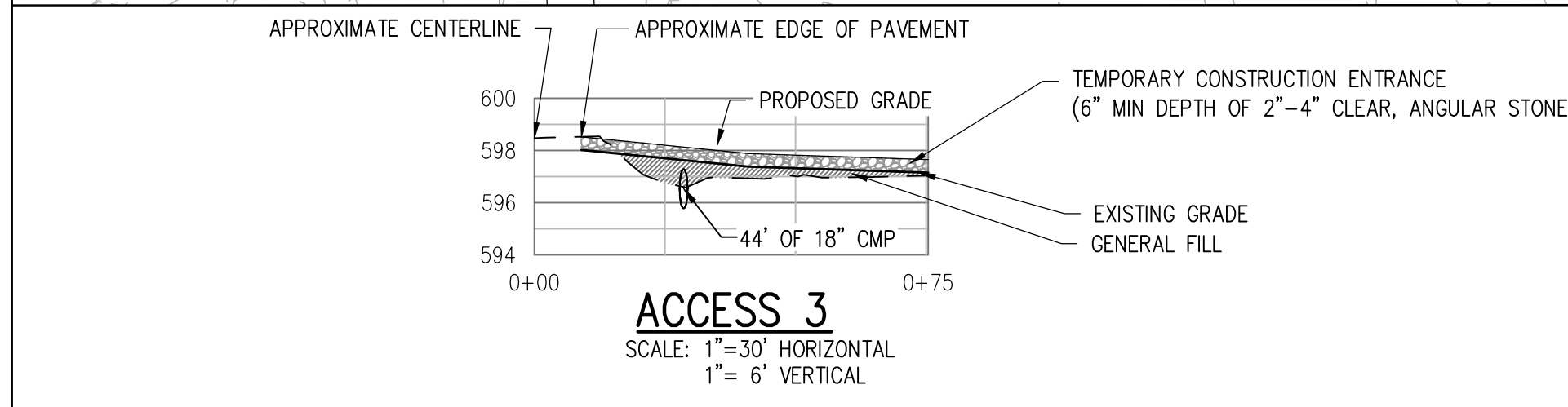
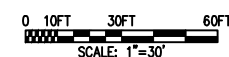
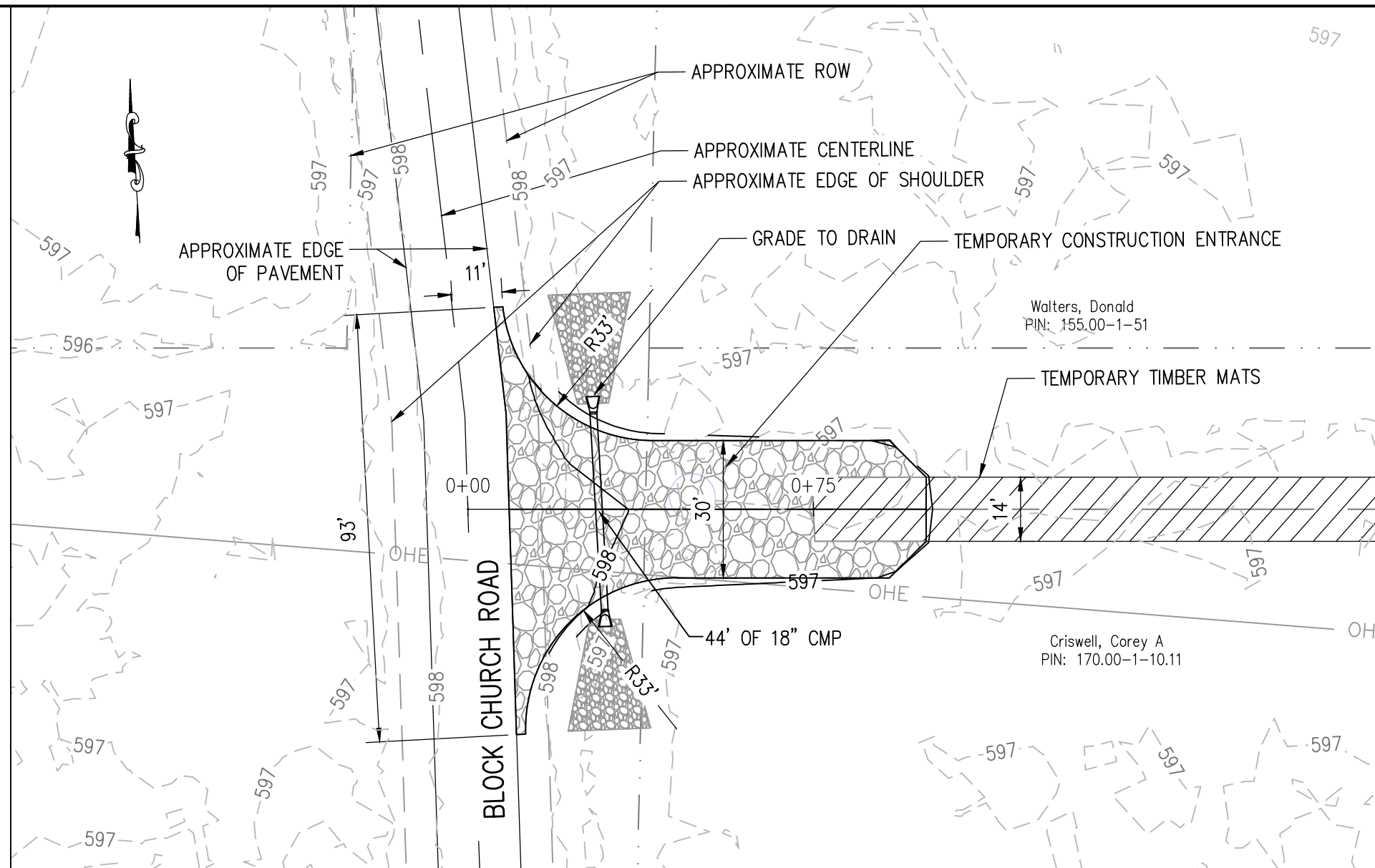
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 1-17.DWG LAST SAVED BY: nrfoster 9/3/2020 2:42 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:06 PM Tab:2 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE	
ENTRANCE PLANS	
ACCESS 2 PLAN & PROFILE	
DWG. NAME:	EST-D-P002-2
REV NO:	C



NOTES:

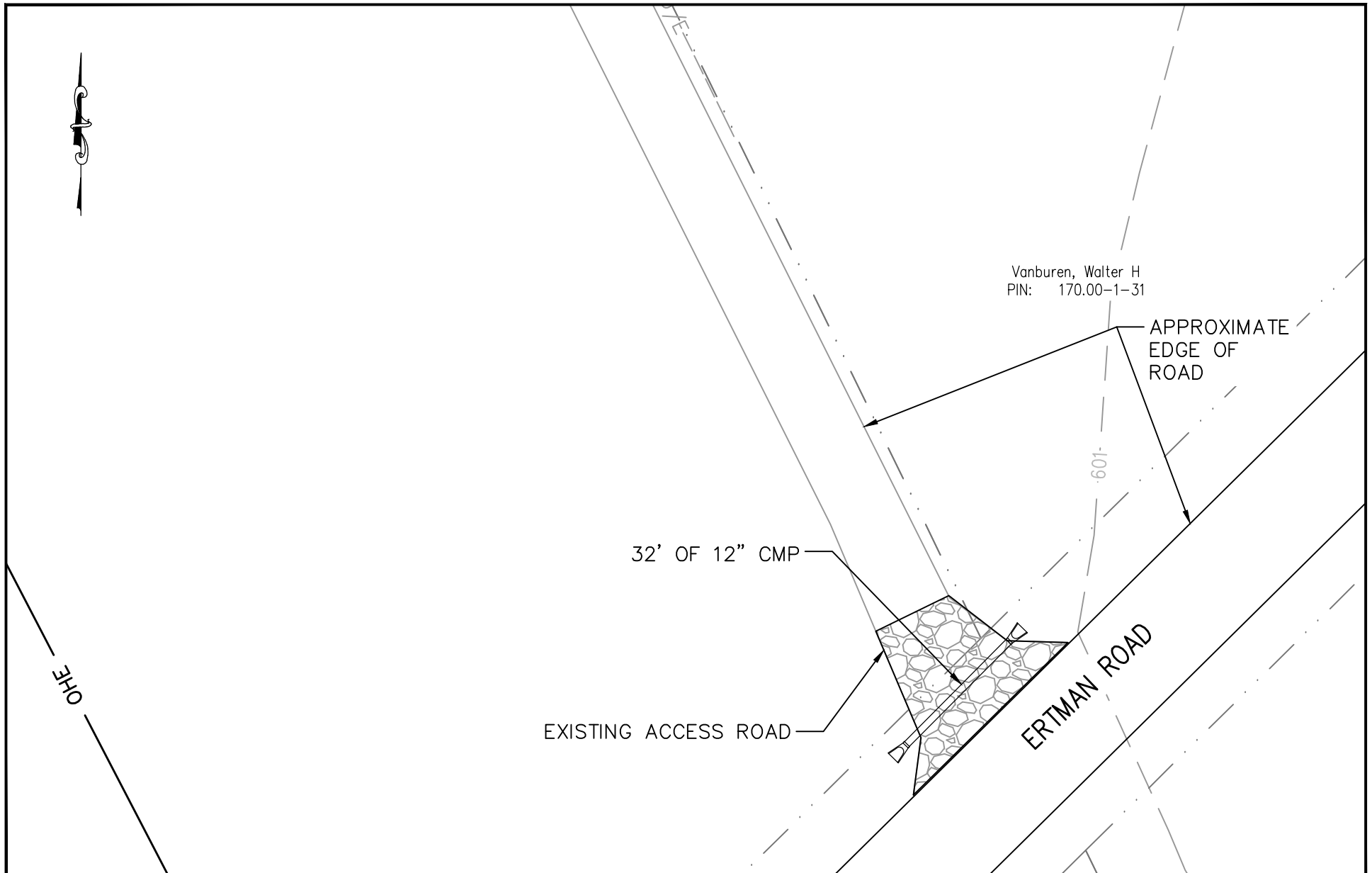
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 1-17.DWG LAST SAVED BY: nrfoster 9/3/2020 2:42 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:07 PM Tab:3 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 3 PLAN & PROFILE	
DWG. NAME: EST-D-P002-3	REV NO: C



FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 1-17 (UPDATED 2020-07-30).DWG LAST SAVED BY: skcomposan 8/13/2020 2:22 PM PLOTTED BY: Nolan R. Foster 9/3/2020 2:53 PM Tab: 4

Engineering with Distinction™

ECI ECI ENGINEERING SERVICES, P.C.

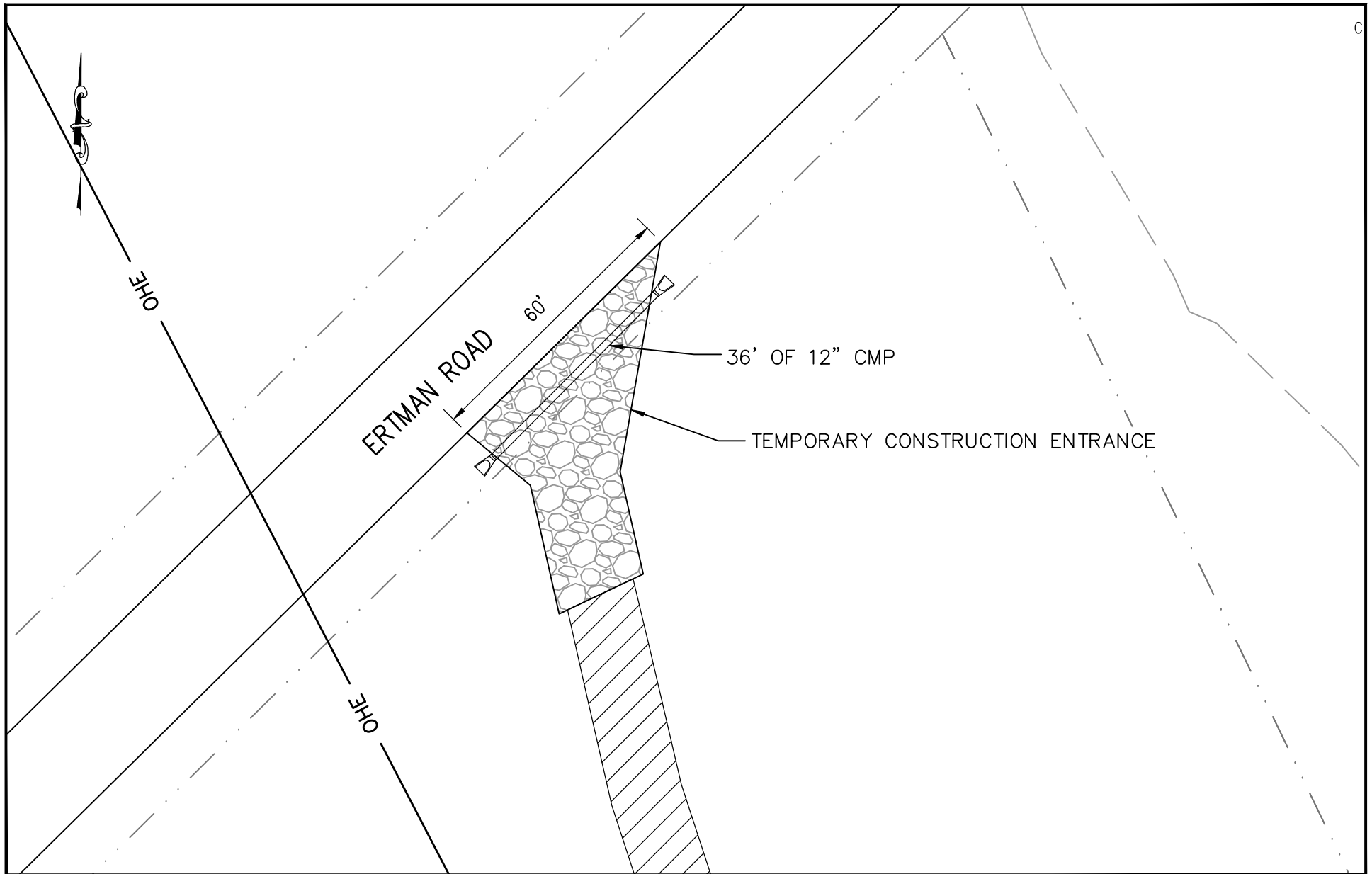
NEXTERA™
ENERGY

TRANSMISSION
NEW YORK

ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE
ENTRANCE PLANS
ACCESS 4 PLAN

DWG. NAME: EST-D-P002-4 REV NO: C

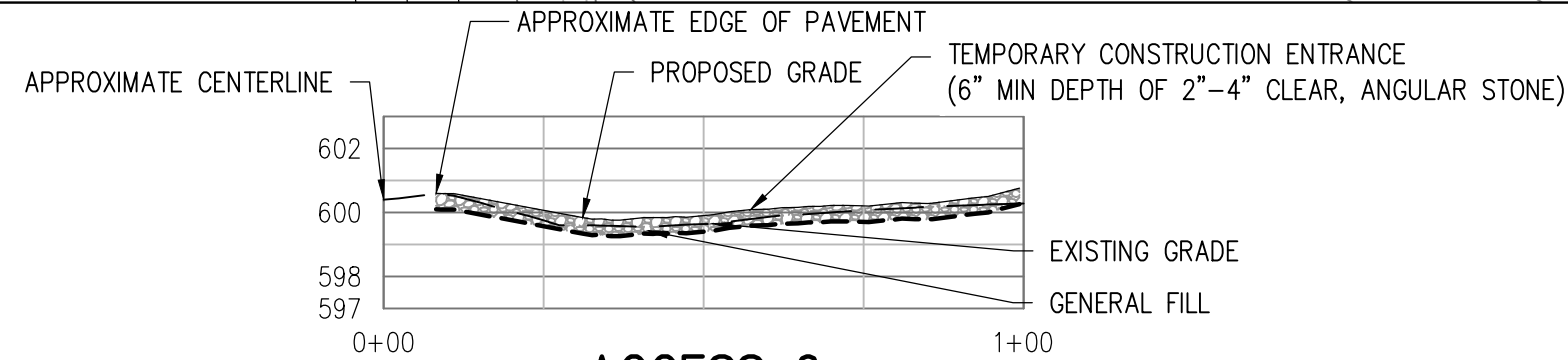
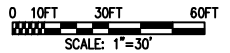
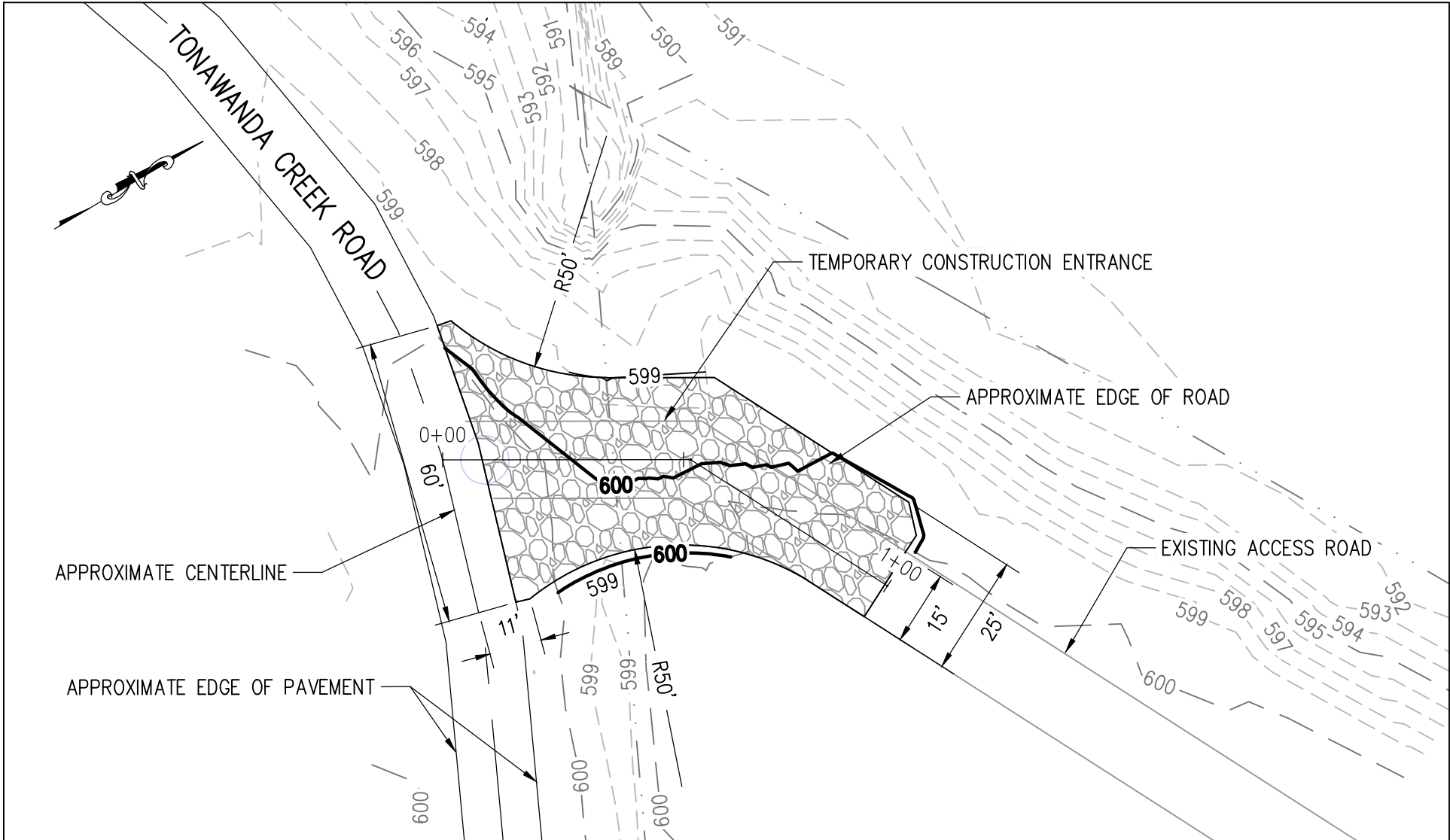


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 1-17 (UPDATED 2020-07-30).DWG LAST SAVED BY: nrfoster 9/3/2020 3:04 PM PLOTTED BY: Nolan R. Foster 9/9/2020 2:26 PM Tab:5



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 5 PLAN	
DWG. NAME:	EST-D-P002-5
REV NO:	C



ACCESS 6

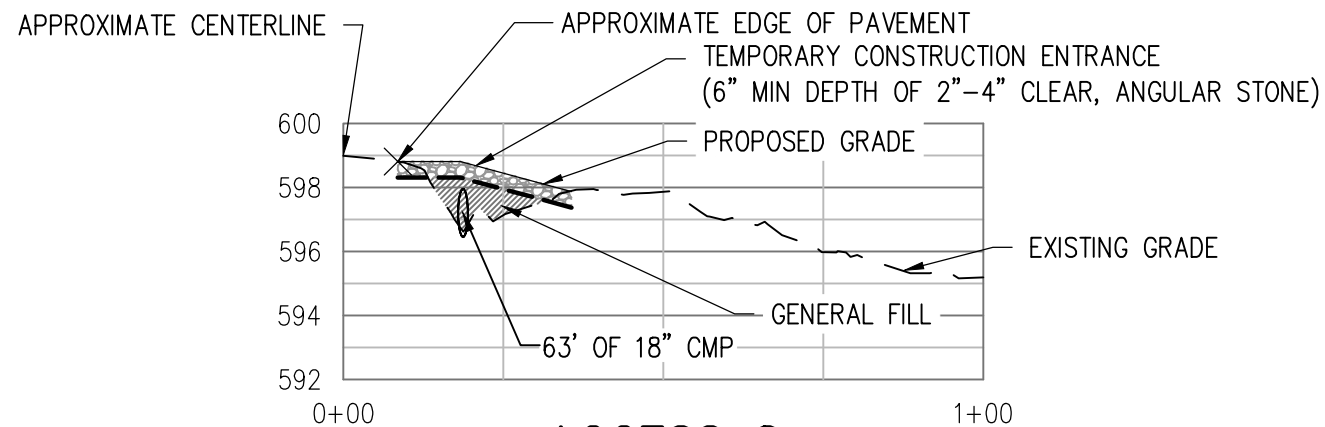
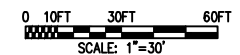
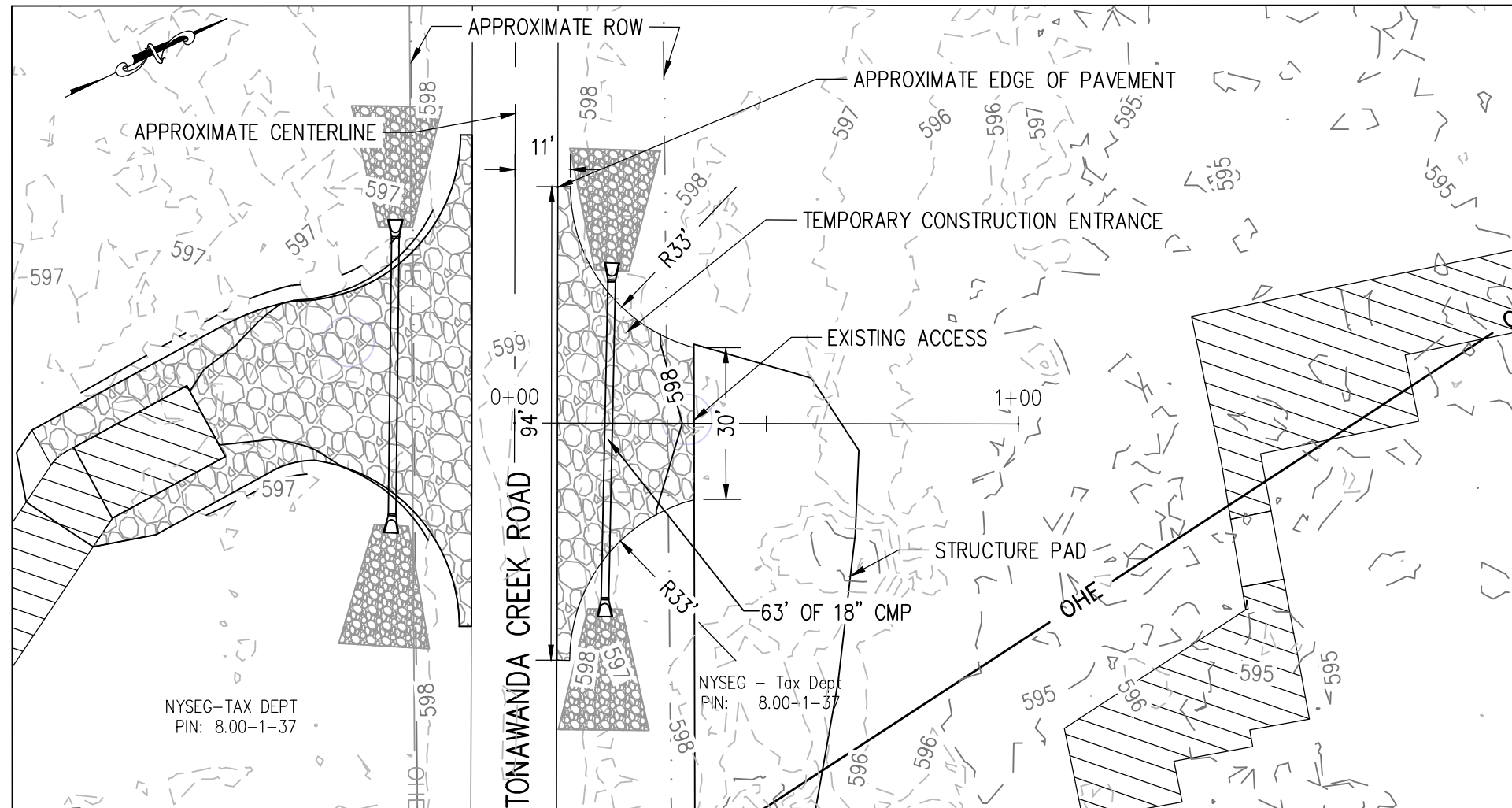
SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 1-17.DWG LAST SAVED BY: skcamposon 9/9/2020 12:48 PM PLOTTED BY: Steven K. Camposon 9/9/2020 12:48 PM Tab:6 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 6 PLAN & PROFILE		
DWG. NAME:	EST-D-P002-6	REV NO: C



ACCESS 8

SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

NOTES:

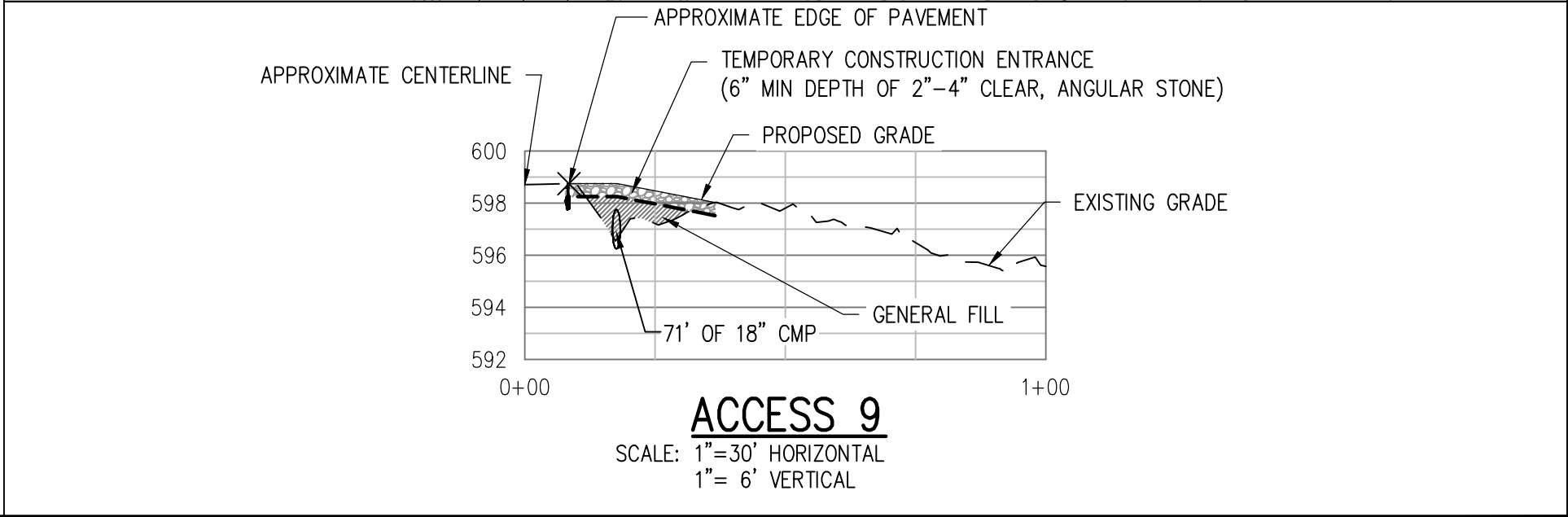
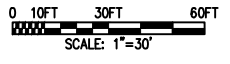
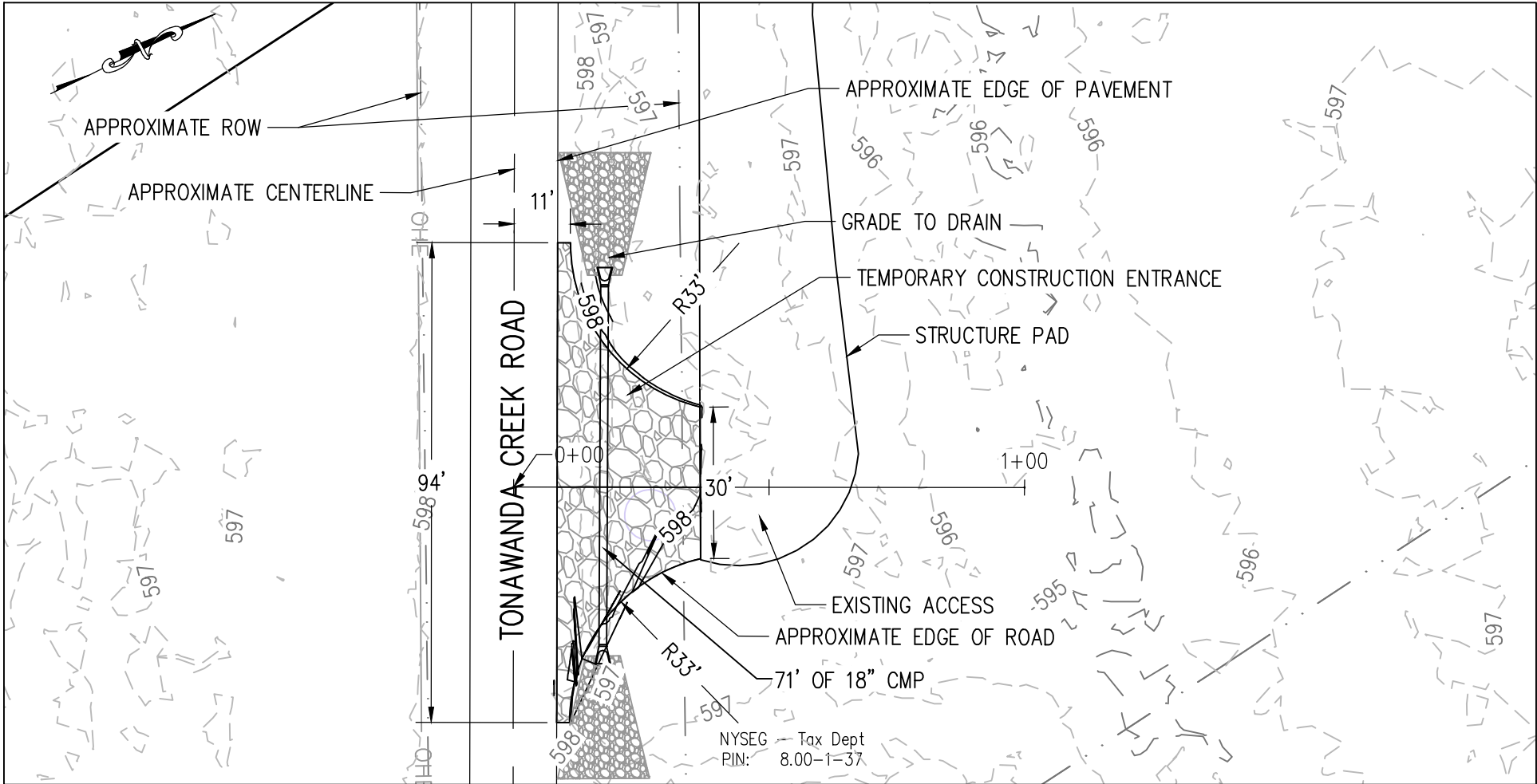
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 1-17.DWG LAST SAVED BY: nrfoster 9/3/2020 2:42 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:09 PM Tab: 8 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 40'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 8 PLAN & PROFILE		DWG. NAME:	EST-D-P002-8	REV NO:	C



ACCESS 9

SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

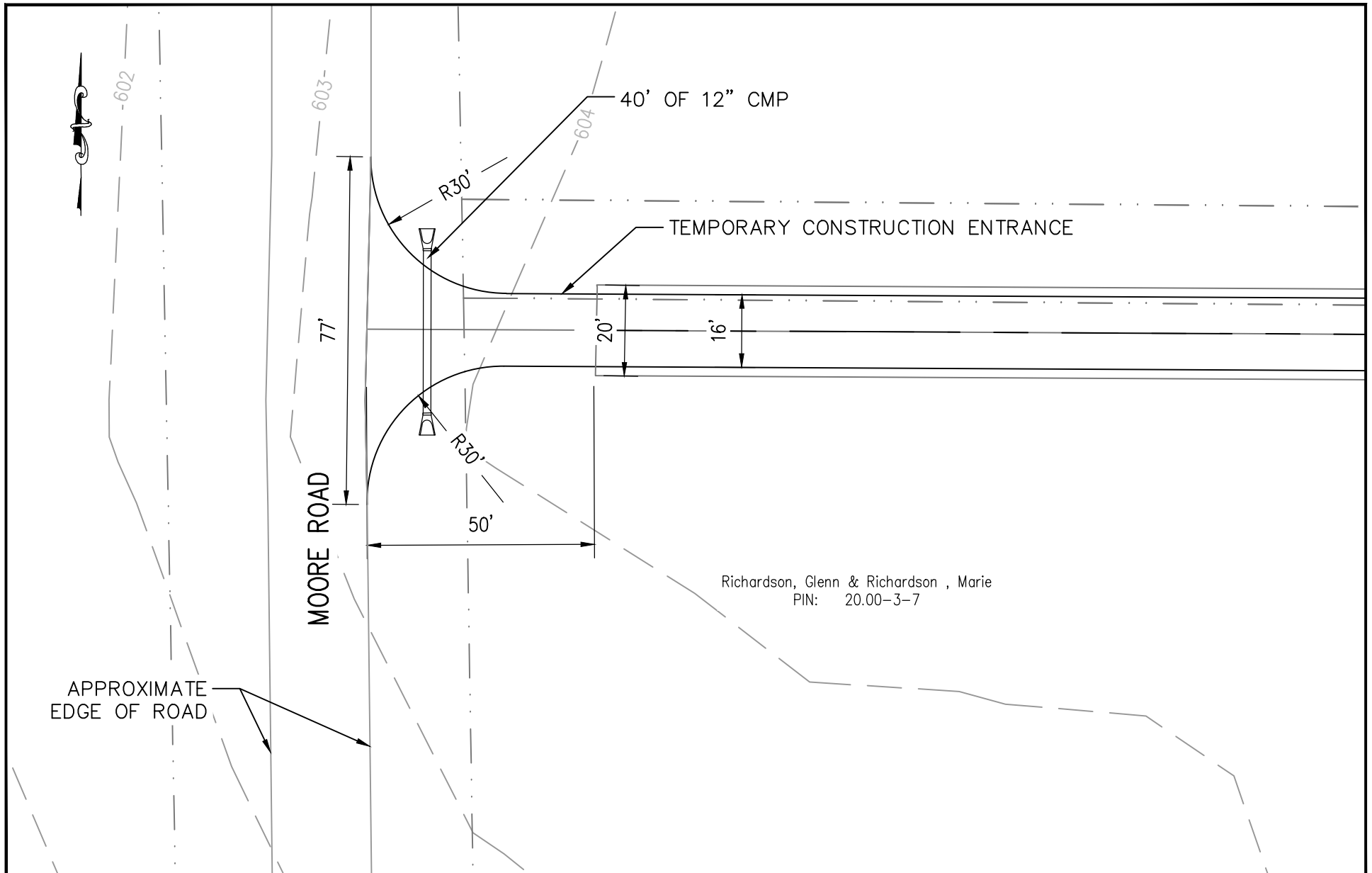
- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 1-17.DWG LAST SAVED BY: nrfoster 9/3/2020 2:42 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:10 PM Tab:9 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 40'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE		
ENTRANCE PLANS		
ACCESS 9 PLAN & PROFILE		
DWG. NAME:	EST-D-P002-9	REV NO: C

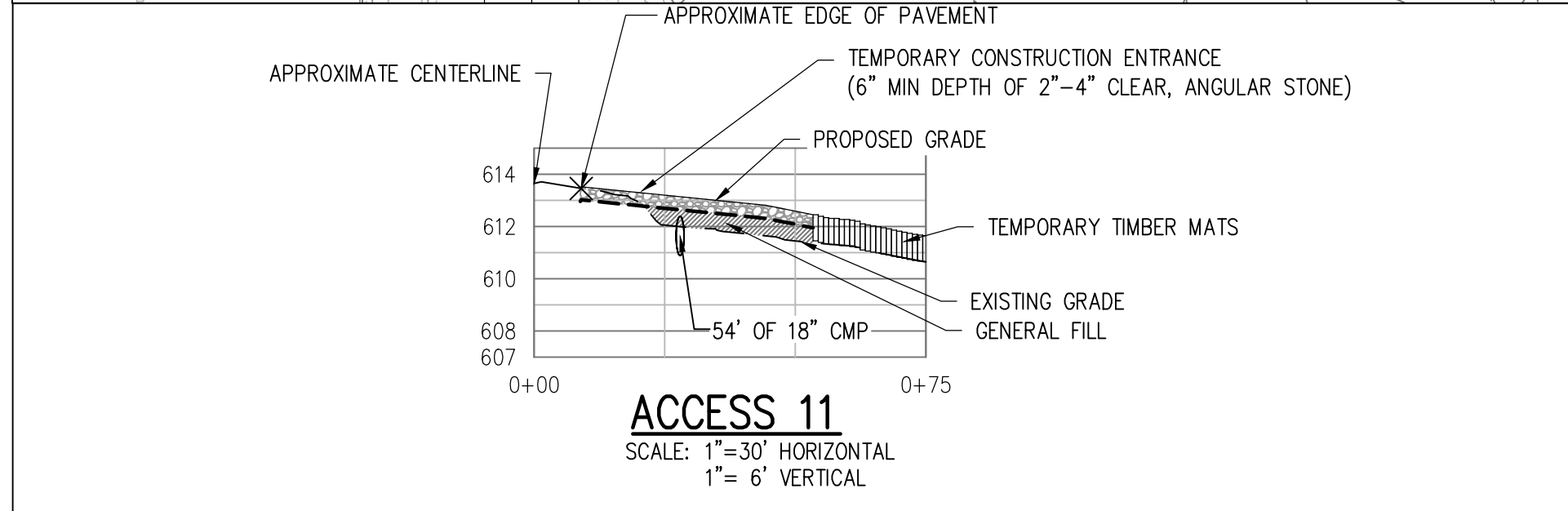
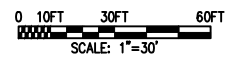
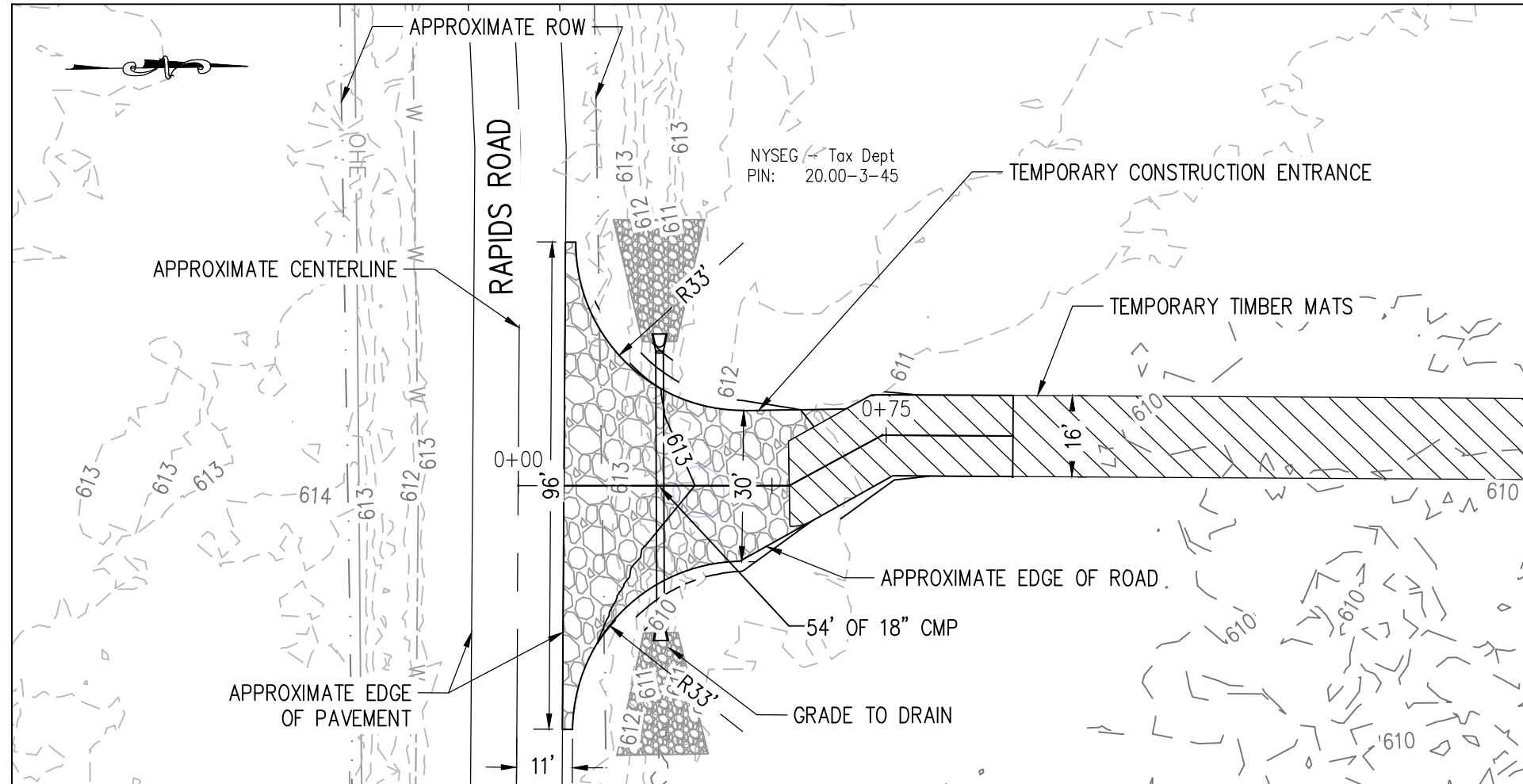


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 1-17 (UPDATED 2020-07-30).DWG LAST SAVED BY: skcamposan 8/13/2020 2:22 PM PLOTTED BY: Nolan R. Foster 9/3/2020 2:53 PM Tab:10



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 10 PLAN	
DWG. NAME:	EST-D-P002-10
REV NO:	C



NOTES:

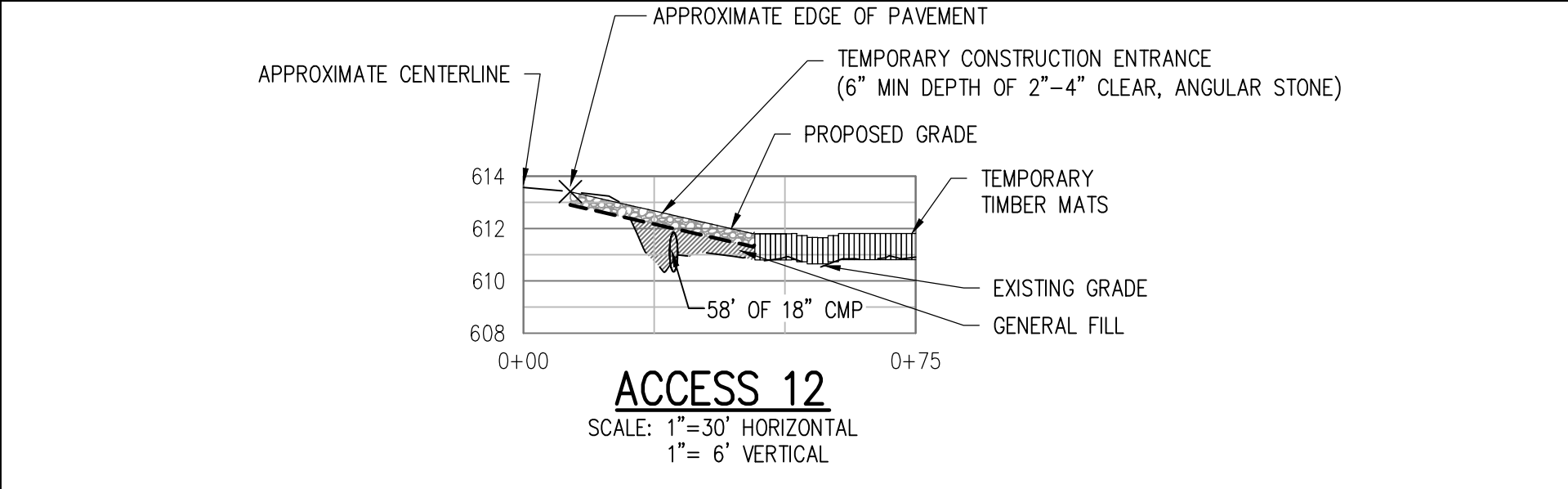
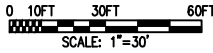
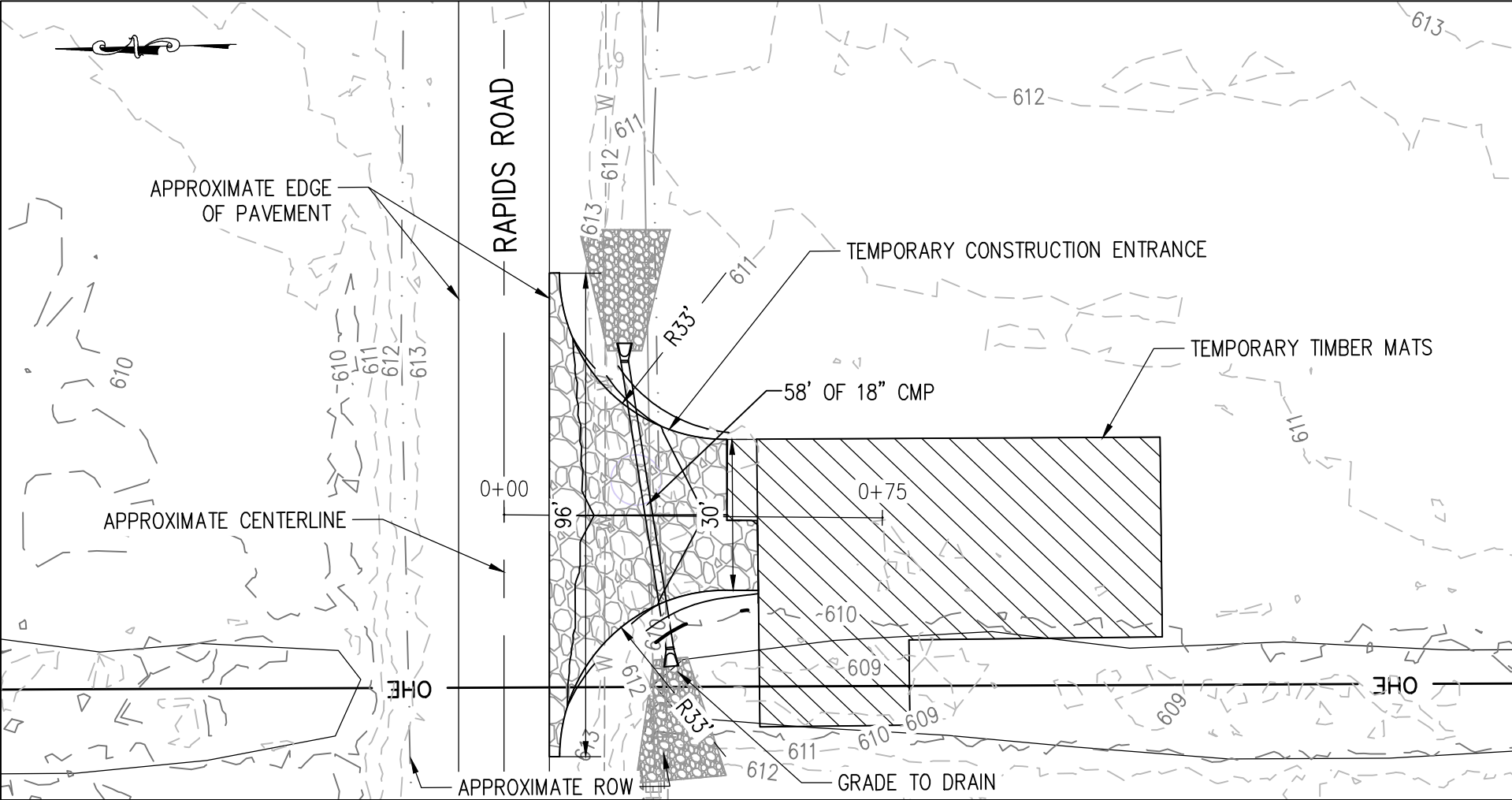
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 1-17.DWG LAST SAVED BY: nrfoster 9/3/2020 2:42 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:11 PM Tab:11 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 11 PLAN & PROFILE		DWG. NAME:	EST-D-P002-11	REV NO:	C



ACCESS 12

SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

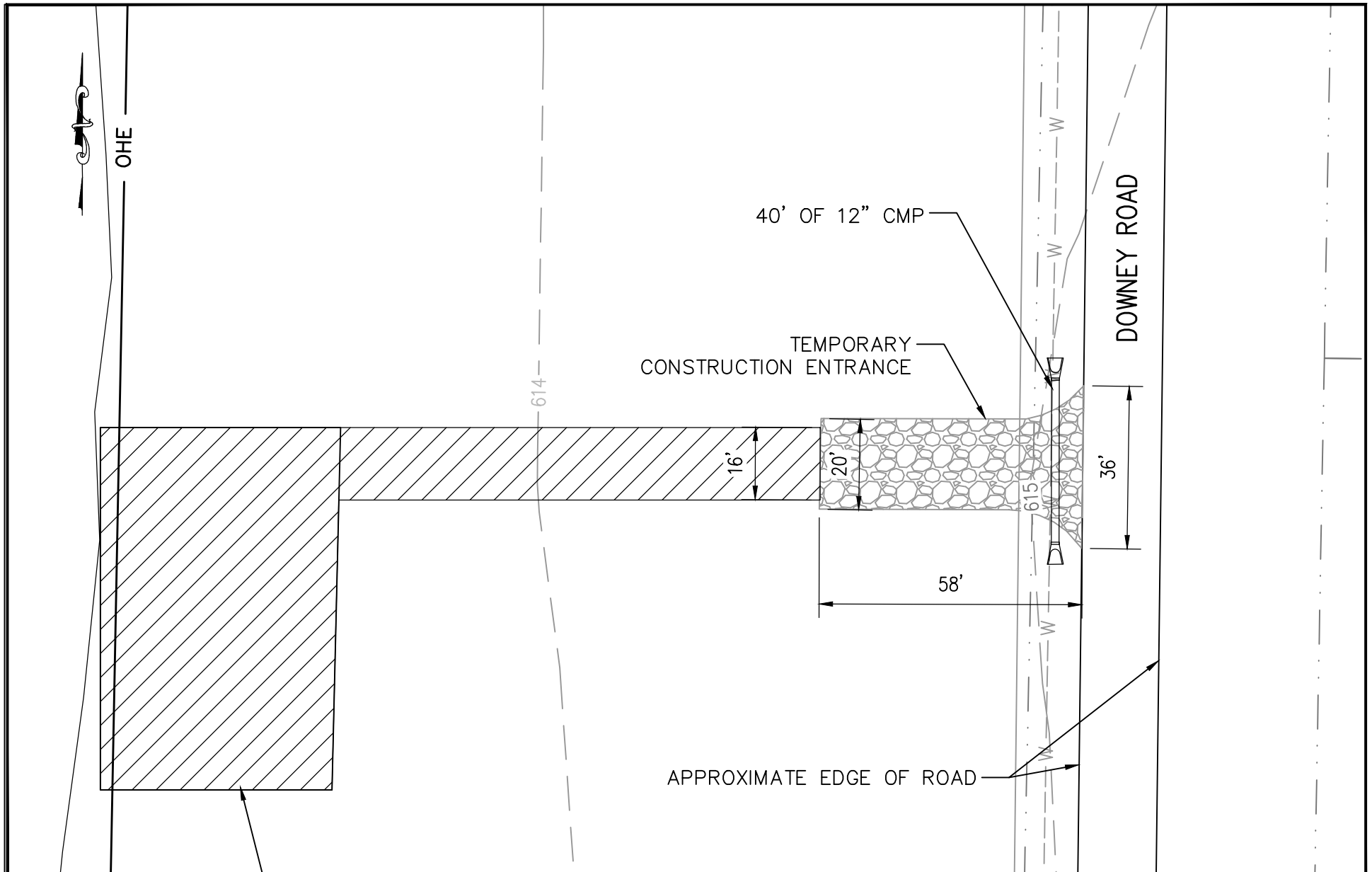
- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 1-17.DWG LAST SAVED BY: nrfoster 9/3/2020 2:42 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:11 PM Tab:12 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 12 PLAN & PROFILE		
DWG. NAME:	EST-D-P002-12	REV NO: C

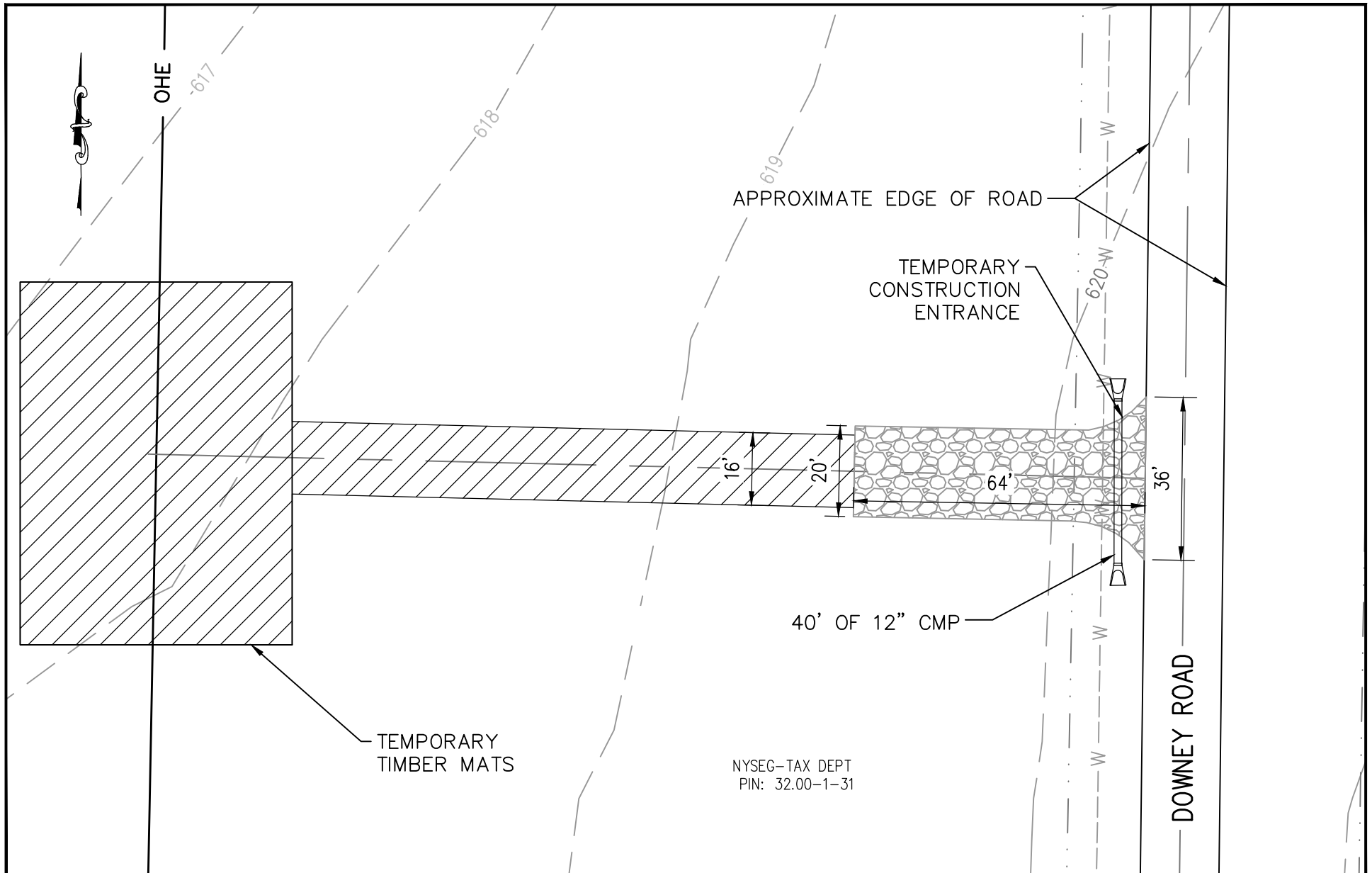


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 1-17 (UPDATED 2020-07-30).DWG LAST SAVED BY: skcamposan 8/13/2020 2:22 PM PLOTTED BY: Nolan R. Foster 9/3/2020 2:56 PM Tab:13



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 13 PLAN	
DWG. NAME: EST-D-P002-13	REV NO: C

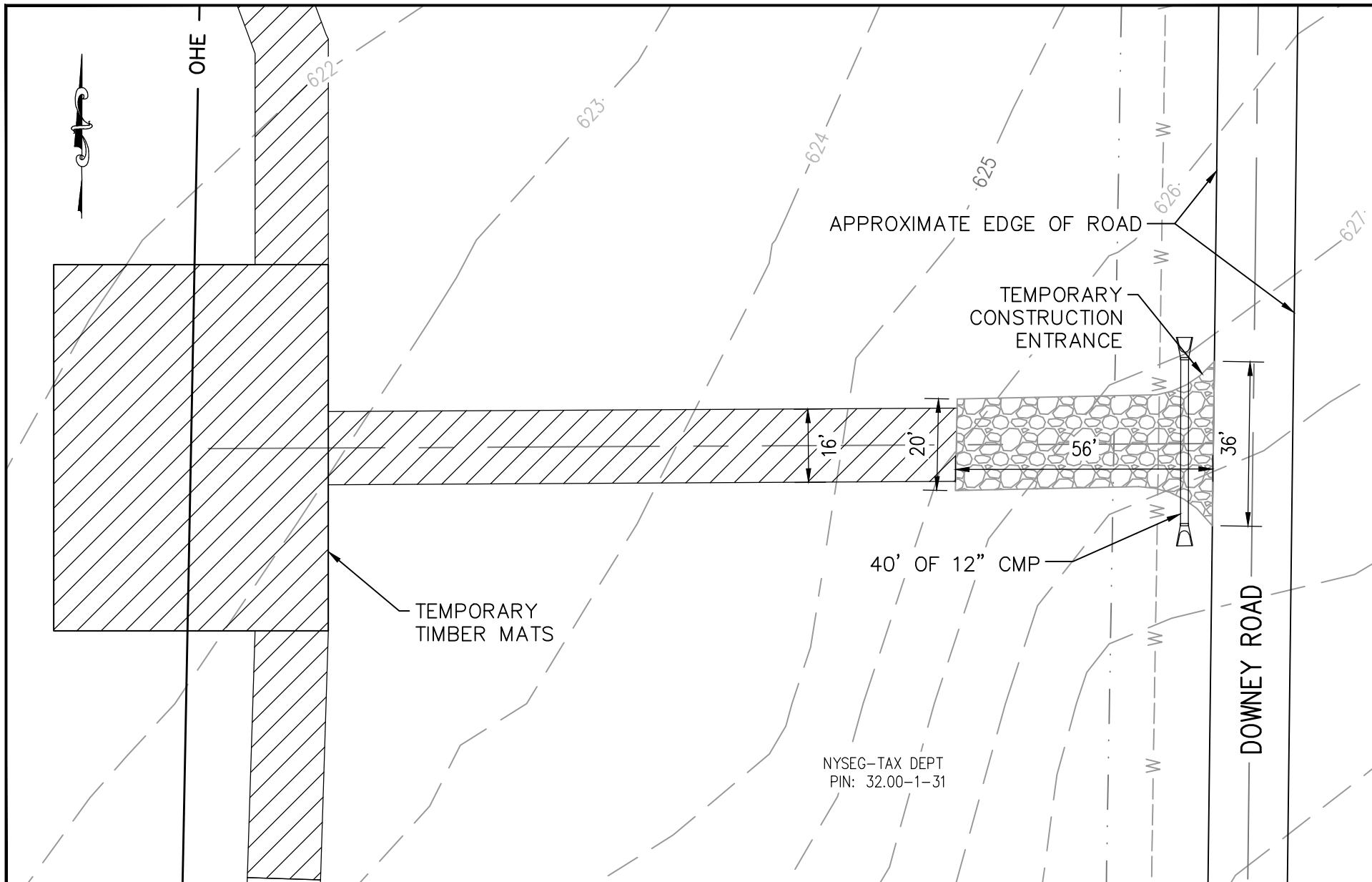


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 1-17 (UPDATED 2020-07-30).DWG LAST SAVED BY: skcomposon 8/13/2020 2:22 PM PLOTTED BY: Nolan R. Foster 9/3/2020 2:58 PM Tab:14

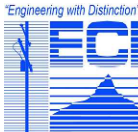


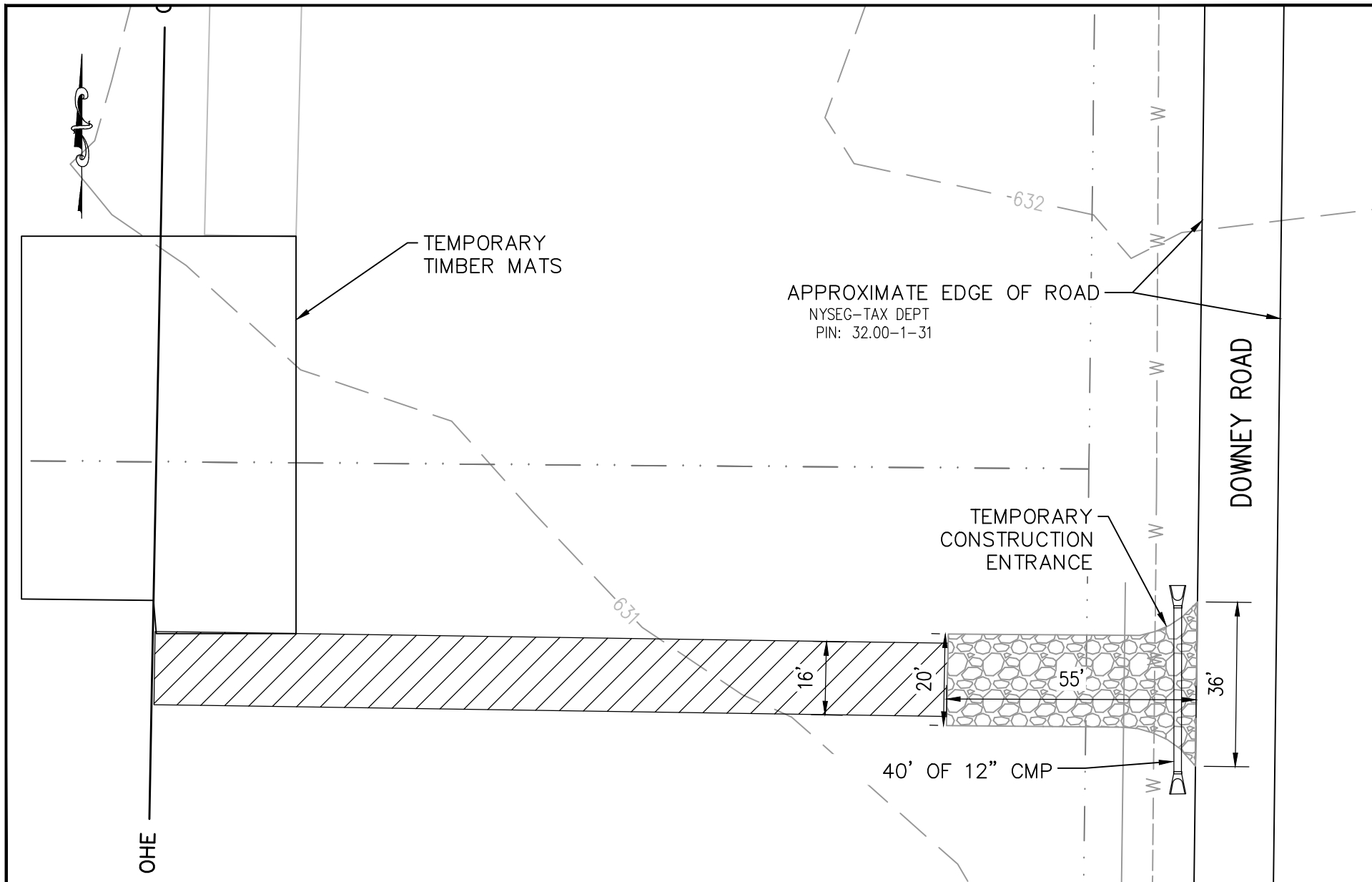
ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 14 PLAN	
DWG. NAME:	EST-D-P002-14
REV NO:	C



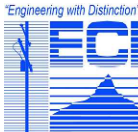
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 ECI ENGINEERING SERVICES, P.C.		ENGINEERING RECORD		DATE	EMPIRE STATE LINE ENTRANCE PLANS ACCESS 15 PLAN
		DRAWN	D. JOHNSON	11/19	
		DESIGNED	N. FOSTER	11/19	
		CHECKED	C. JOBES	11/19	
		APPROVED	B. PUCKETT	11/19	
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)		DWG. NAME: EST-D-P002-15	
				REV NO: C	



FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 1-17 (UPDATED 2020-07-30).DWG LAST SAVED BY: skcamposan 8/13/2020 2:22 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:03 PM Tab:16

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 TRANSMISSION
 NEW YORK

ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 16 PLAN	
DWG. NAME:	EST-D-P002-16
REV NO:	C



NYSEG - Tax Dept
PIN: 32.00-2-19

OHE

APPROXIMATE EDGE OF ROAD

TEMPORARY
CONSTRUCTION
ENTRANCE

16'

20'

63'

36'

40' OF 12" CMP

TEMPORARY
TIMBER MATS

OHE

DOWNEY ROAD

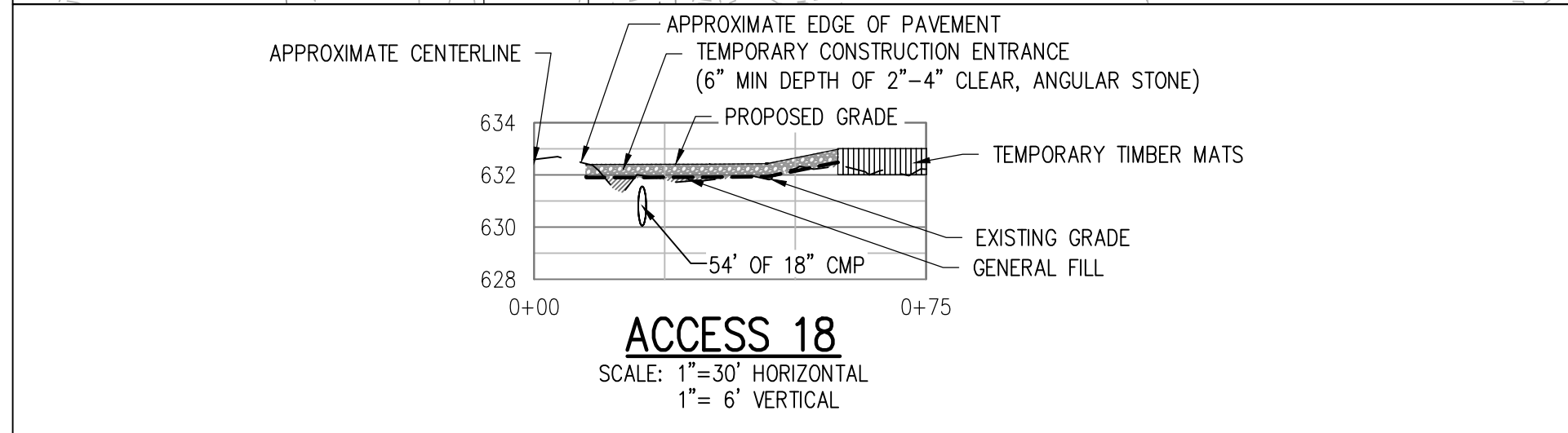
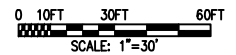
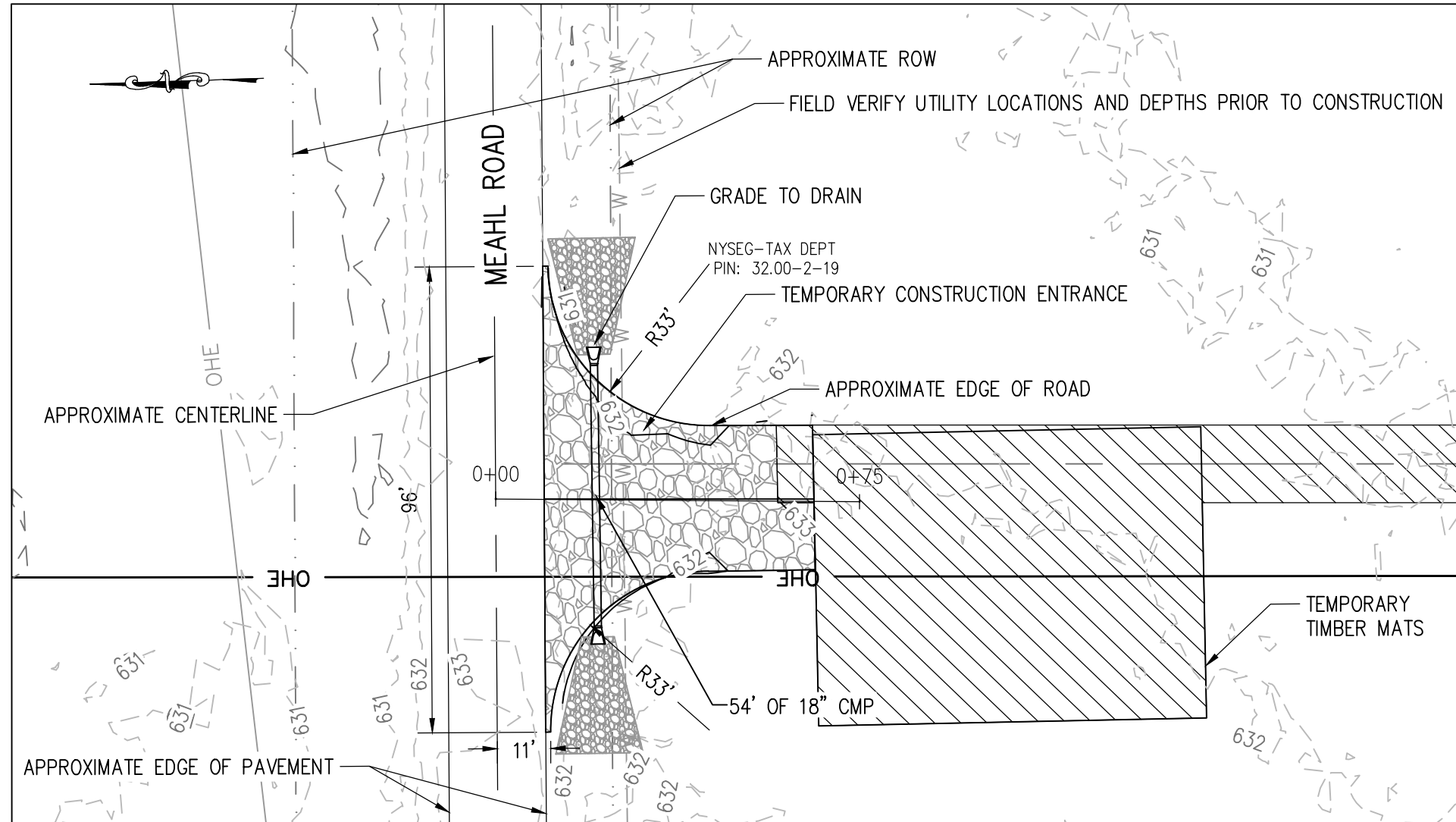
629

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 1-17 (UPDATED 2020-07-30).DWG LAST SAVED BY: skcamposan 8/13/2020 2:22 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:04 PM Tab:17



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 17 PLAN	
DWG. NAME: EST-D-P002-17	REV NO: C



NOTES:

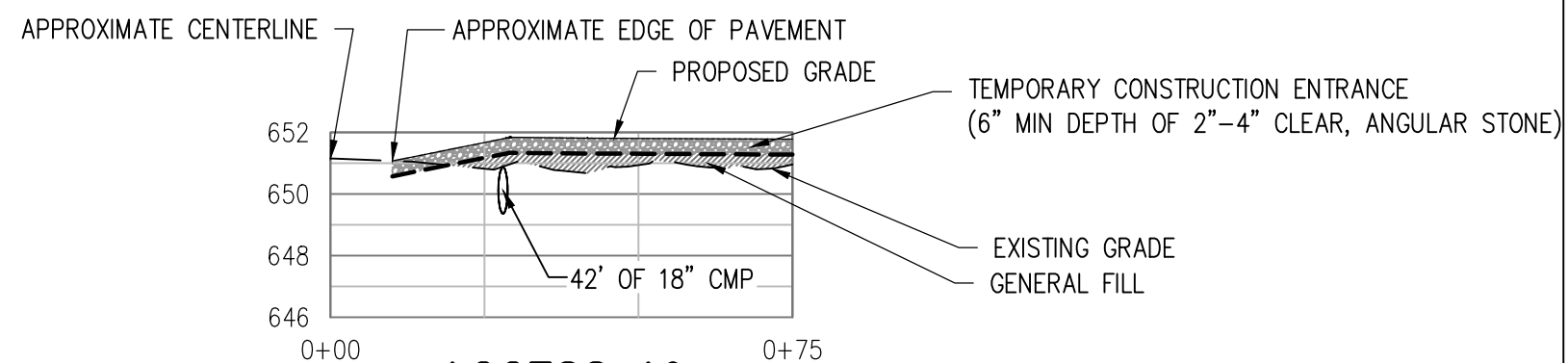
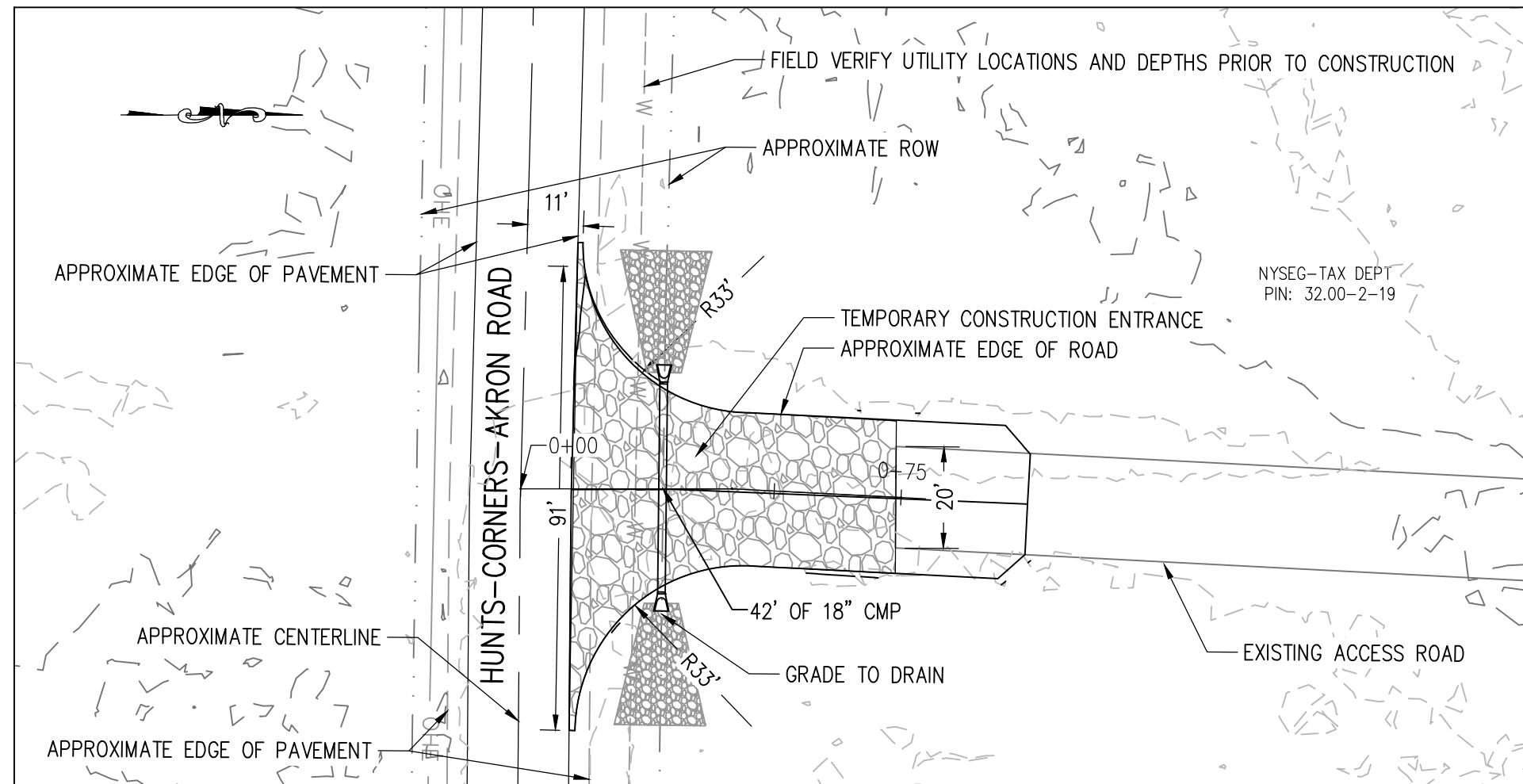
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 18-37.DWG LAST SAVED BY: skcamposon 8/13/2020 1:49 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:14 PM Tab:18 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 18 PLAN & PROFILE		DWG. NAME:	EST-D-P002-18	REV NO:	C

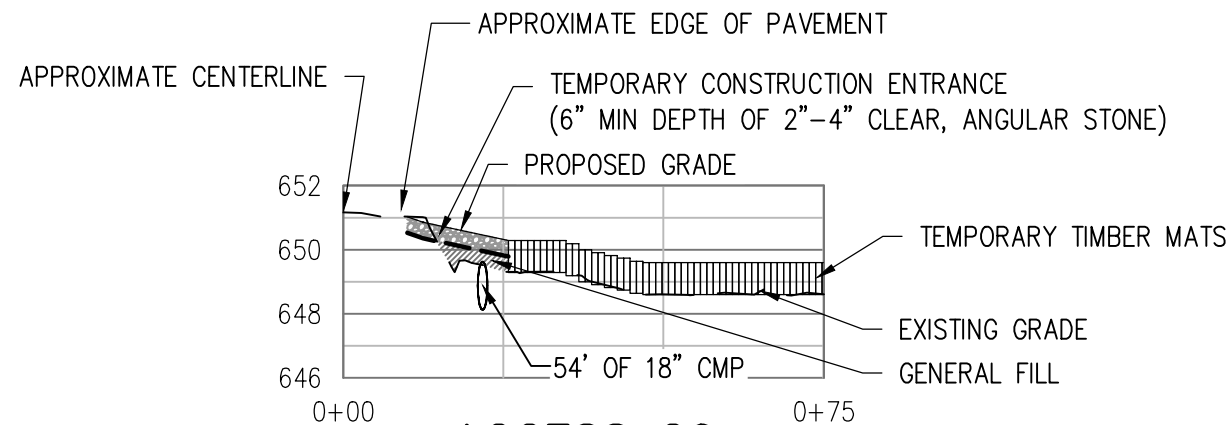
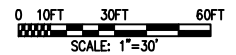
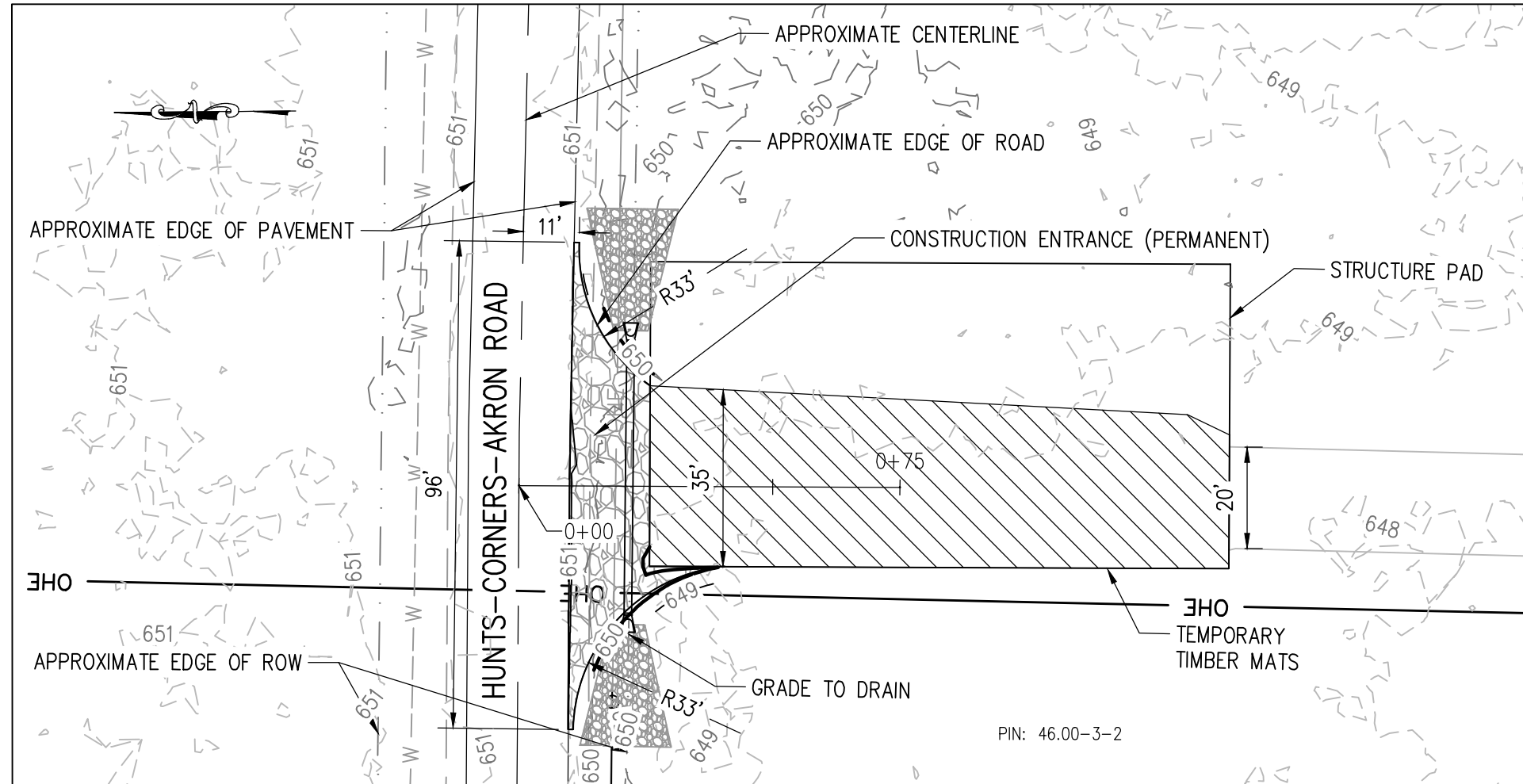


ACCESS 19

SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

NOTES:

1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.



ACCESS 20

SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

NOTES:

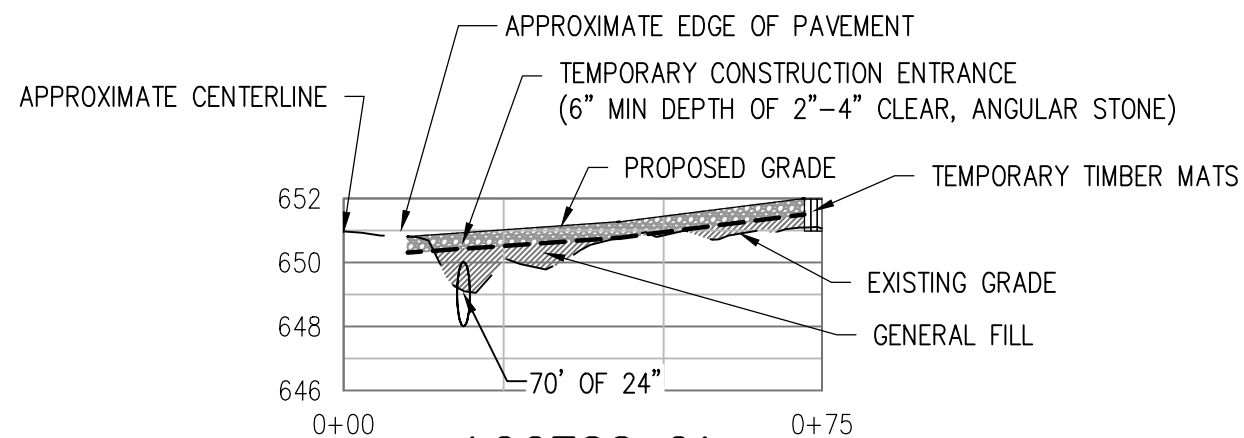
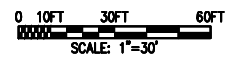
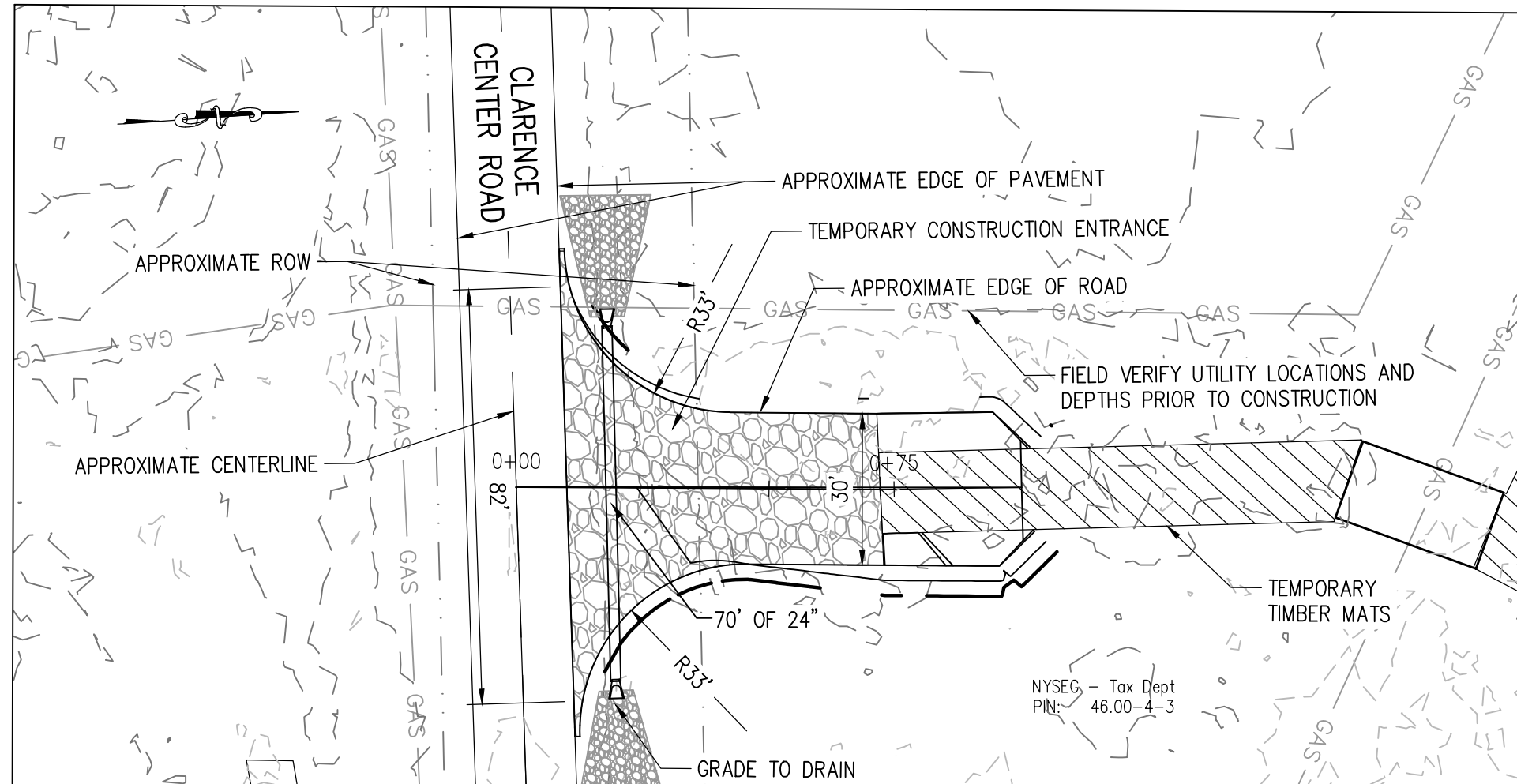
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 18-37.DWG LAST SAVED BY: skcamposon 8/13/2020 1:49 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:17 PM Tab:20 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 20 PLAN & PROFILE		
DWG. NAME:	EST-D-P002-20	REV NO: C



ACCESS 21

SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

NOTES:

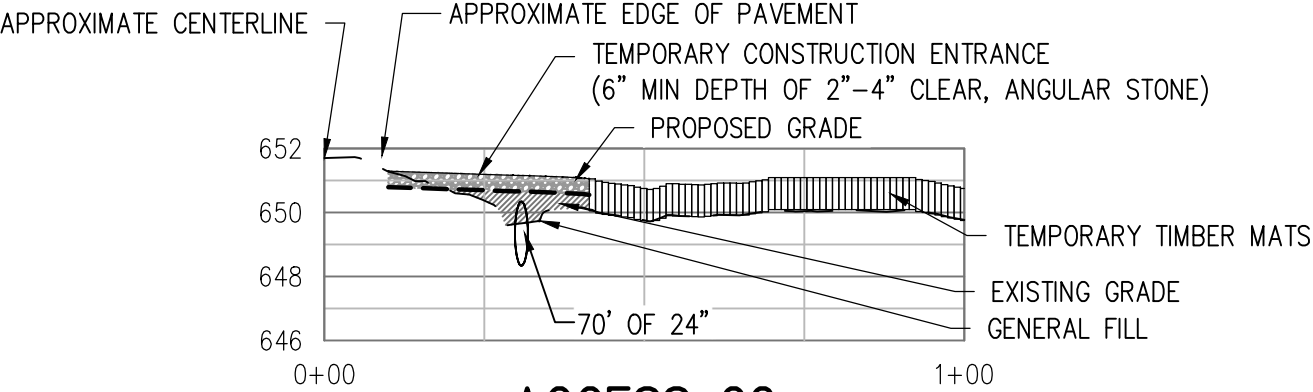
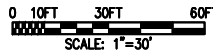
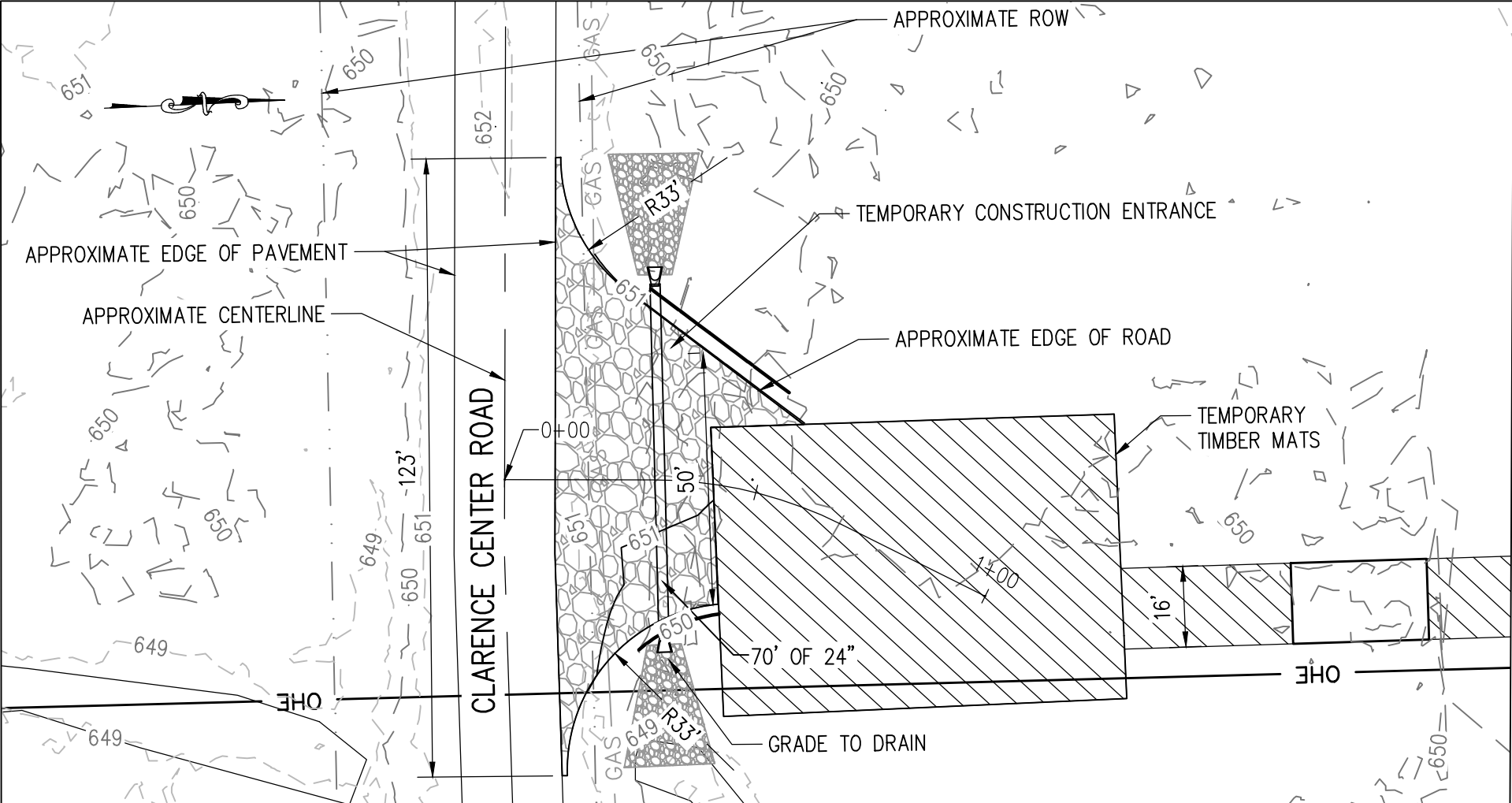
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 18-37.DWG LAST SAVED BY: skcamposon 8/13/2020 1:49 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:18 PM Tab:21 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE	
ENTRANCE PLANS	
ACCESS 21 PLAN & PROFILE	
DWG. NAME: EST-D-P002-21	REV NO: C



ACCESS 22

SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

NOTES:

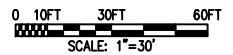
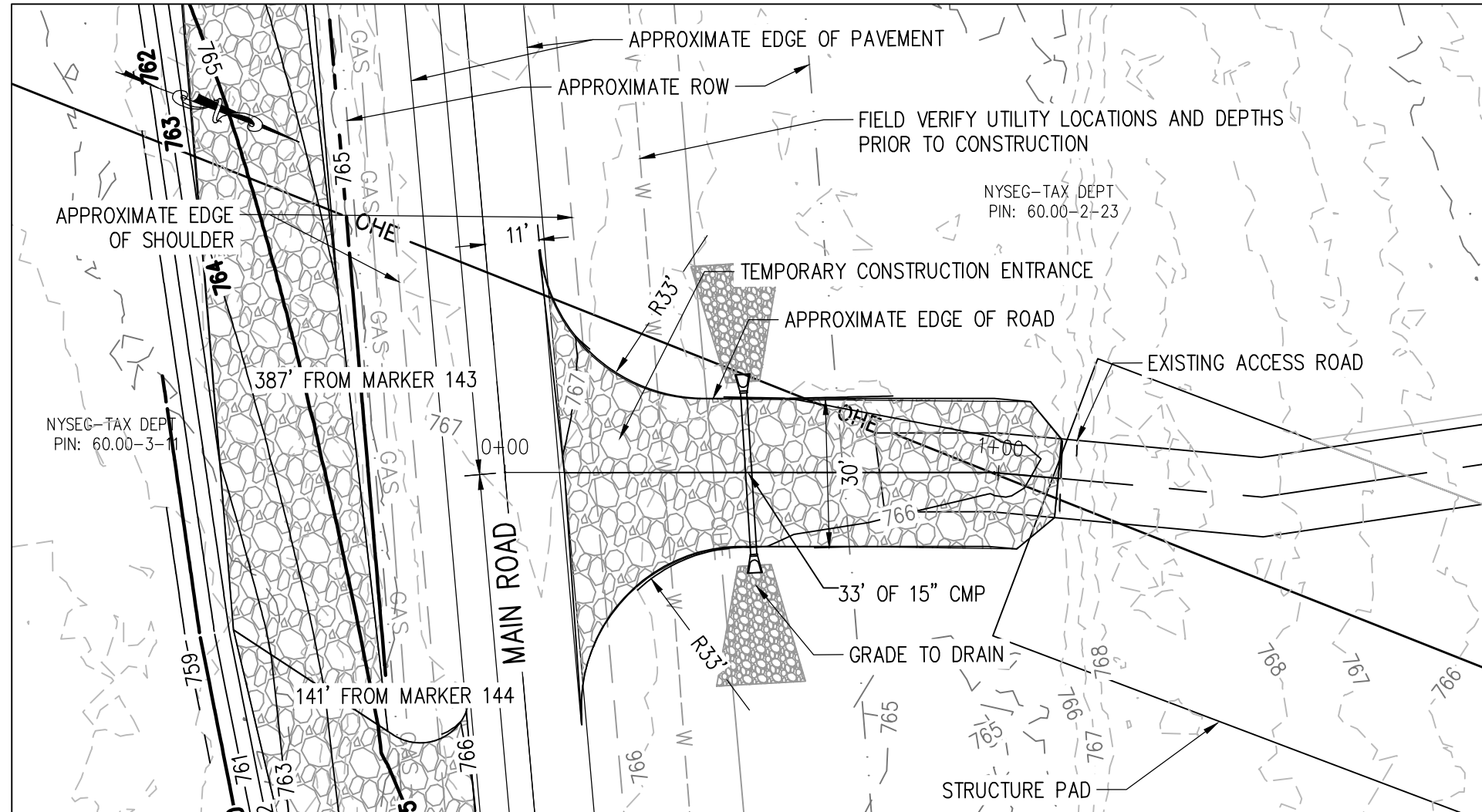
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 18-37.DWG LAST SAVED BY: skcamposon 8/13/2020 1:49 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:19 PM Tab:22 (11x17)



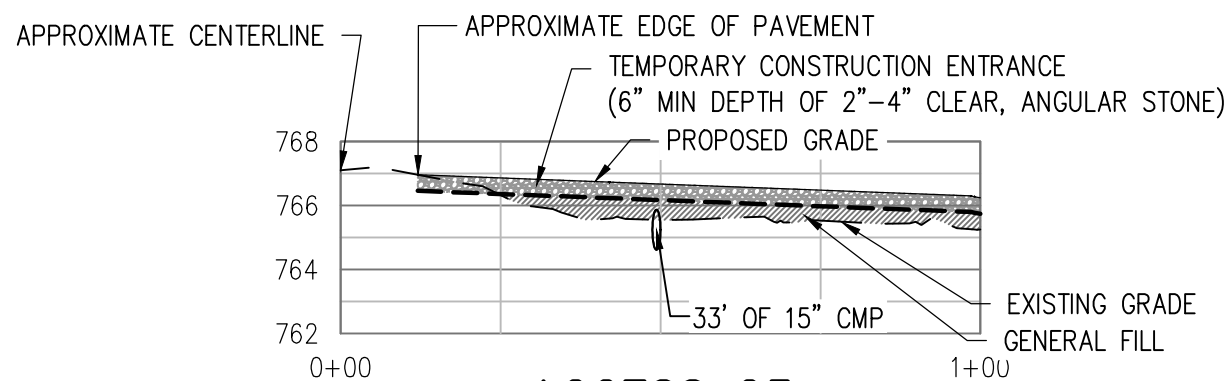
ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 22 PLAN & PROFILE		DWG. NAME:	EST-D-P002-22	REV NO:	C



NOTES:

1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.



ACCESS 23

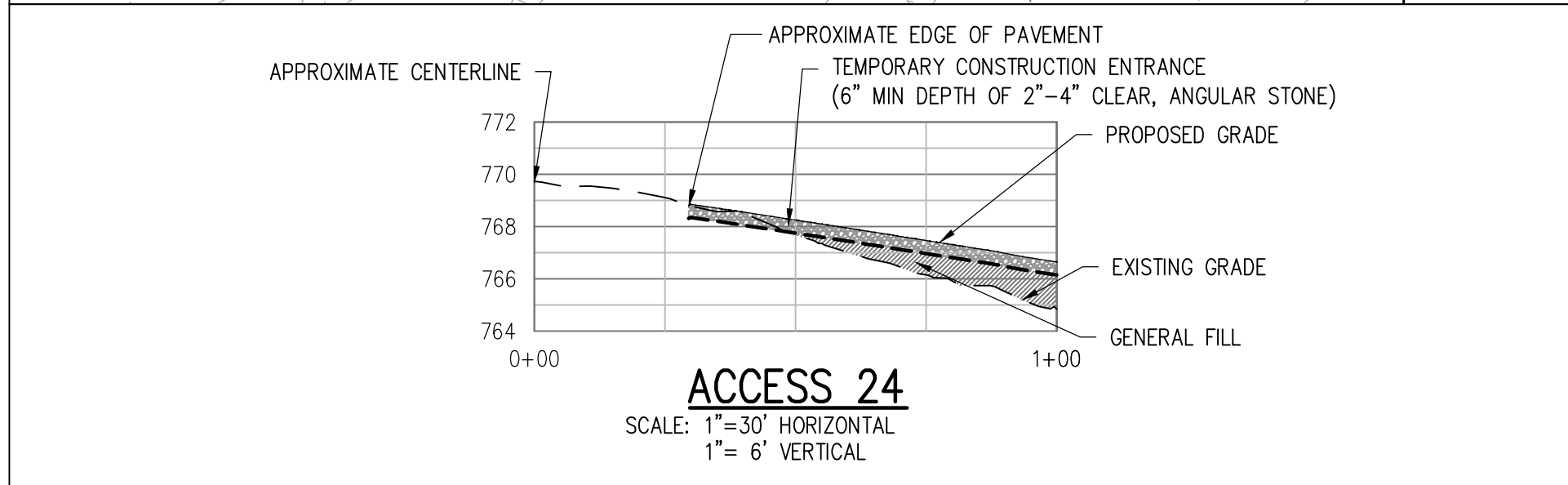
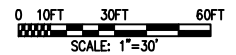
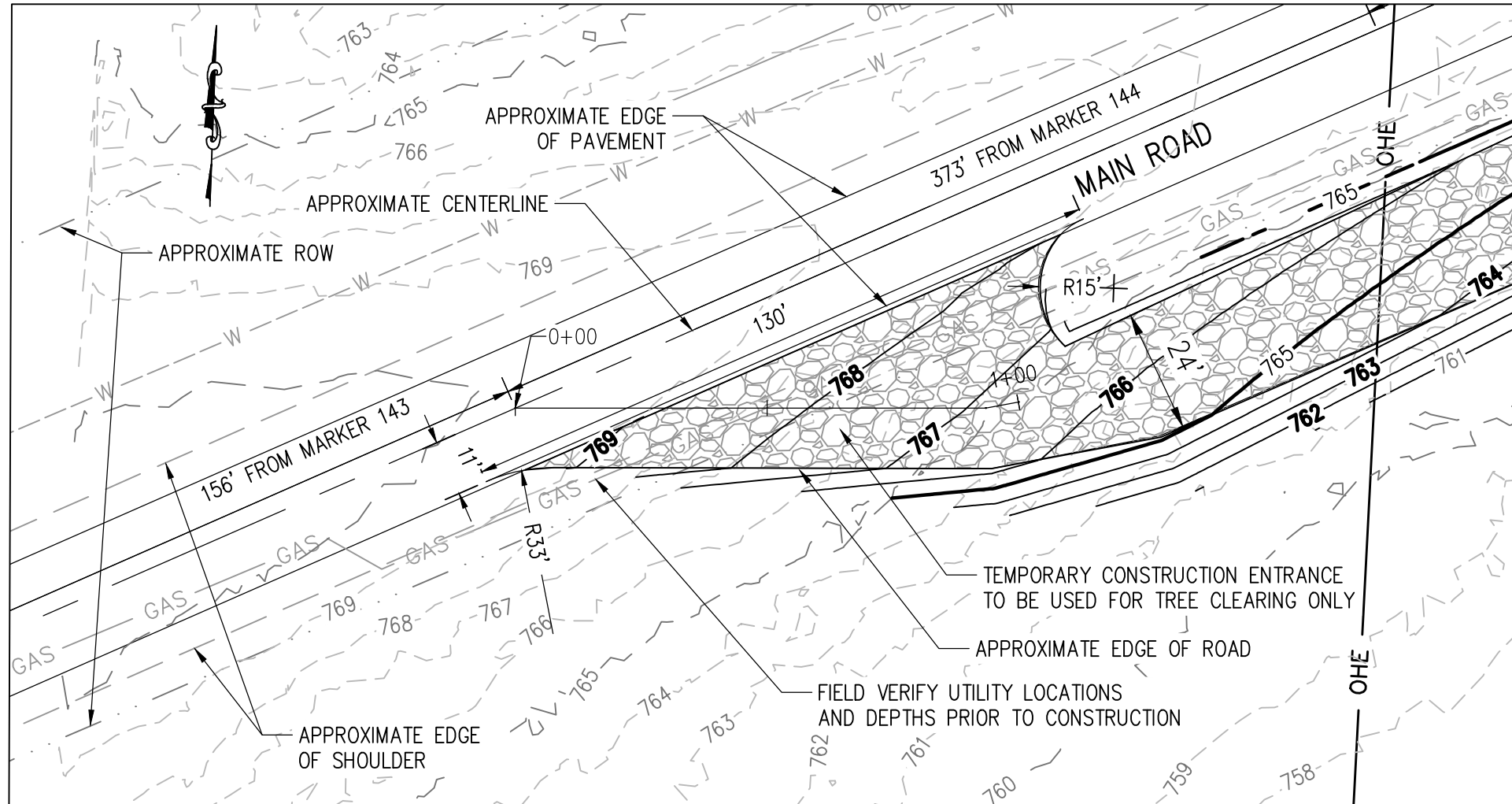
SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 18-37.DWG LAST SAVED BY: skcamposon 8/13/2020 1:49 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:20 PM Tab: 23 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 23 PLAN & PROFILE		
DWG. NAME:	EST-D-P002-23	REV NO: C



NOTES:

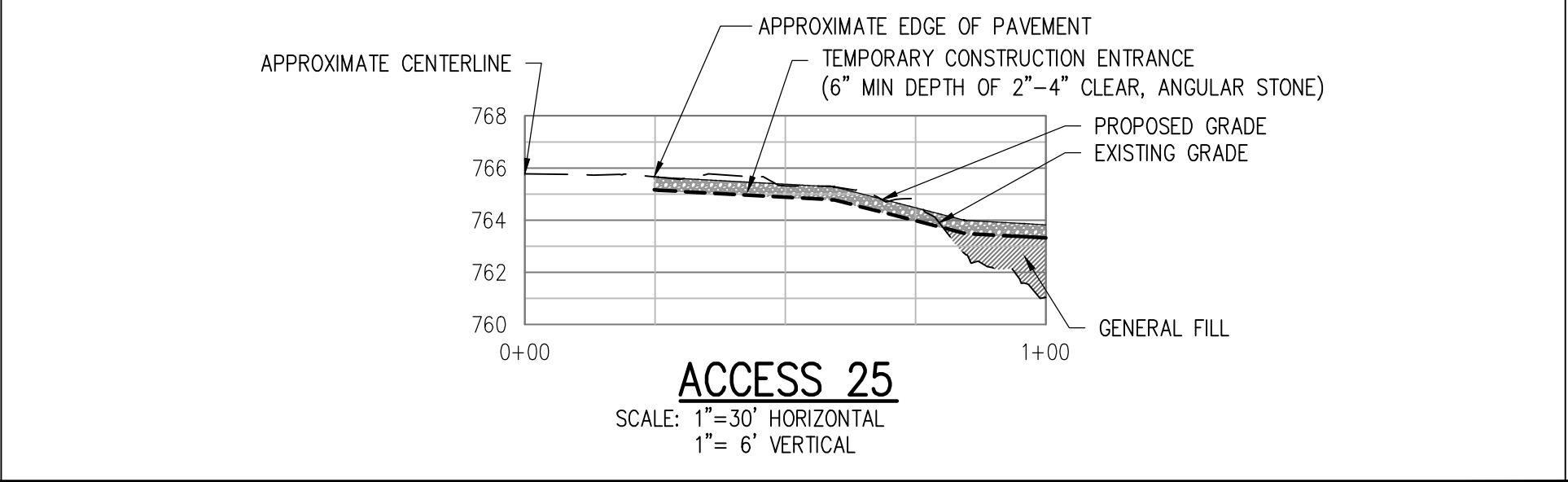
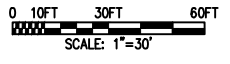
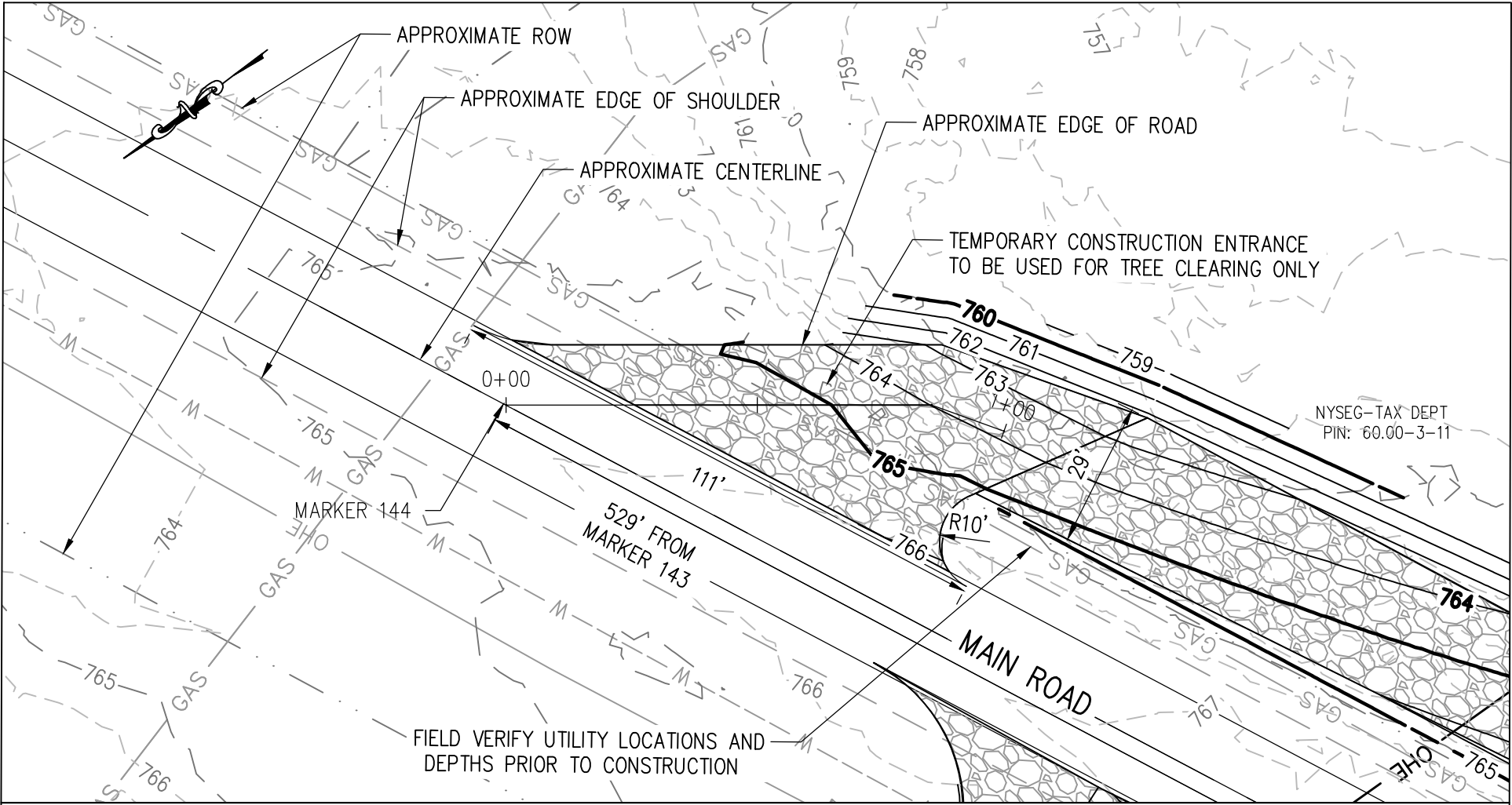
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 18-37.DWG LAST SAVED BY: skcamposon 8/13/2020 1:49 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:21 PM Tab: 24 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 24 PLAN & PROFILE		
DWG. NAME:	EST-D-P002-24	REV NO: C



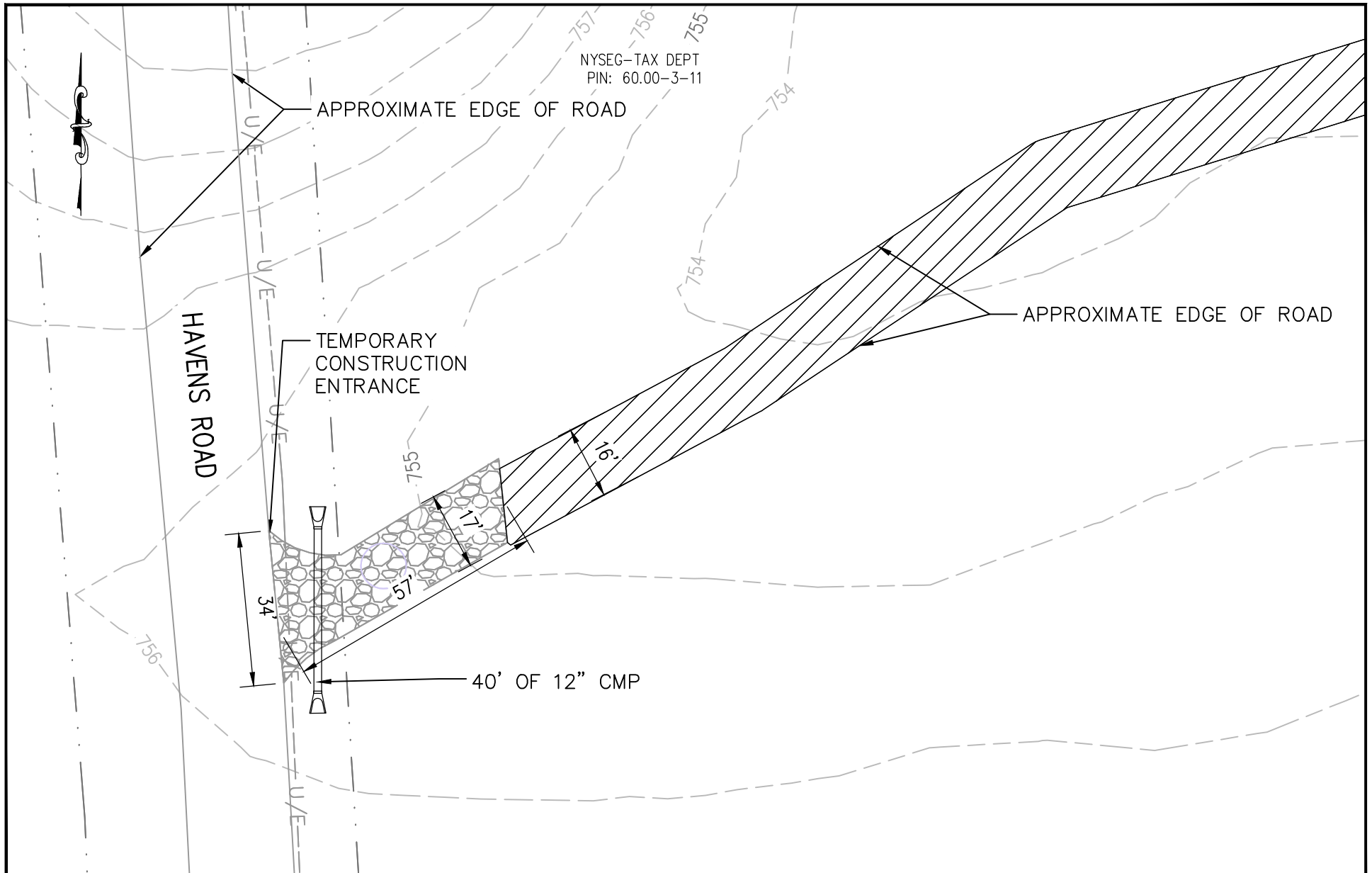
- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 18-37.DWG LAST SAVED BY: skcamposon 8/13/2020 1:49 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:23 PM Tab:25 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 25 PLAN & PROFILE		
DWG. NAME:	EST-D-P002-25	REV NO: C

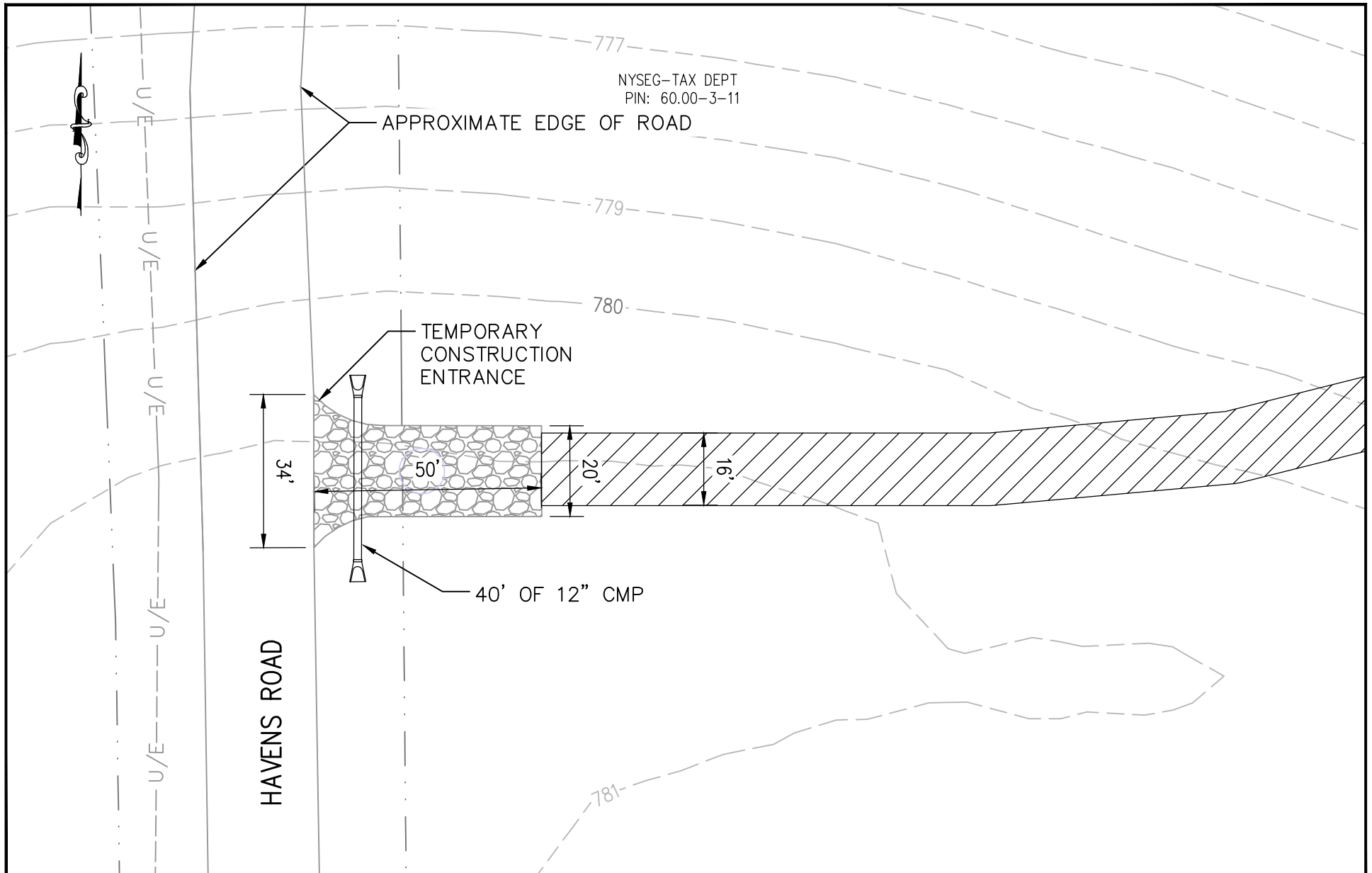


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 18-35 2020-08-06.DWG LAST SAVED BY: nrfoster 8/14/2020 8:47 AM PLOTTED BY: Nolan R. Foster 9/3/2020 3:32 PM Tab:26 FORMERLY (30)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 26 PLAN	
DWG. NAME:	EST-D-P002-26
REV NO:	C



FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 18-35 2020-08-06.DWG LAST SAVED BY: nrfoster 8/14/2020 8:47 AM PLOTTED BY: Nolan R. Foster 9/3/2020 3:34 PM Tab: 27 (31)

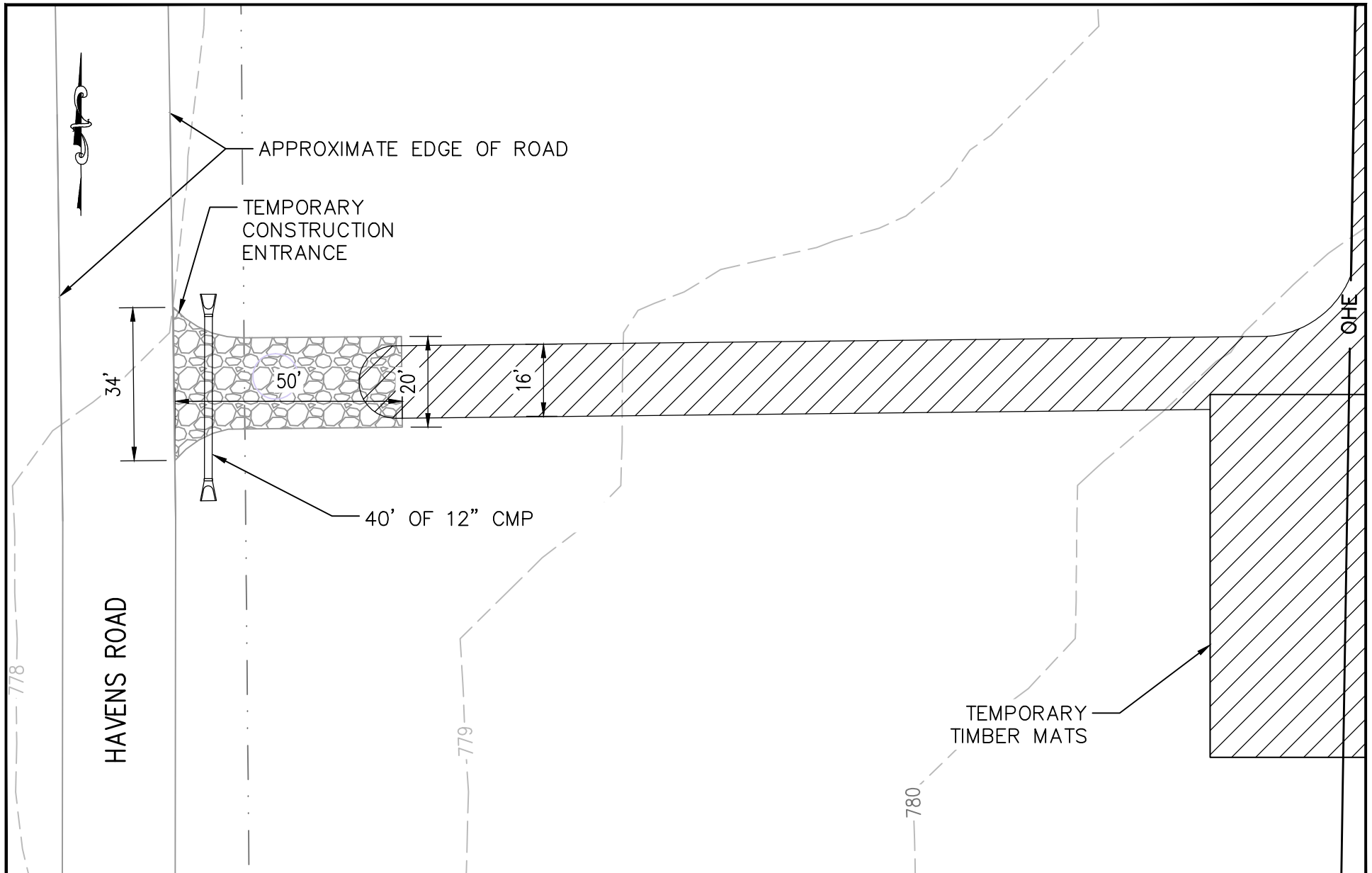


**ECI ENGINEERING
SERVICES, P.C.**



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 27 PLAN	
DWG. NAME:	EST-D-P002-27
REV NO:	C

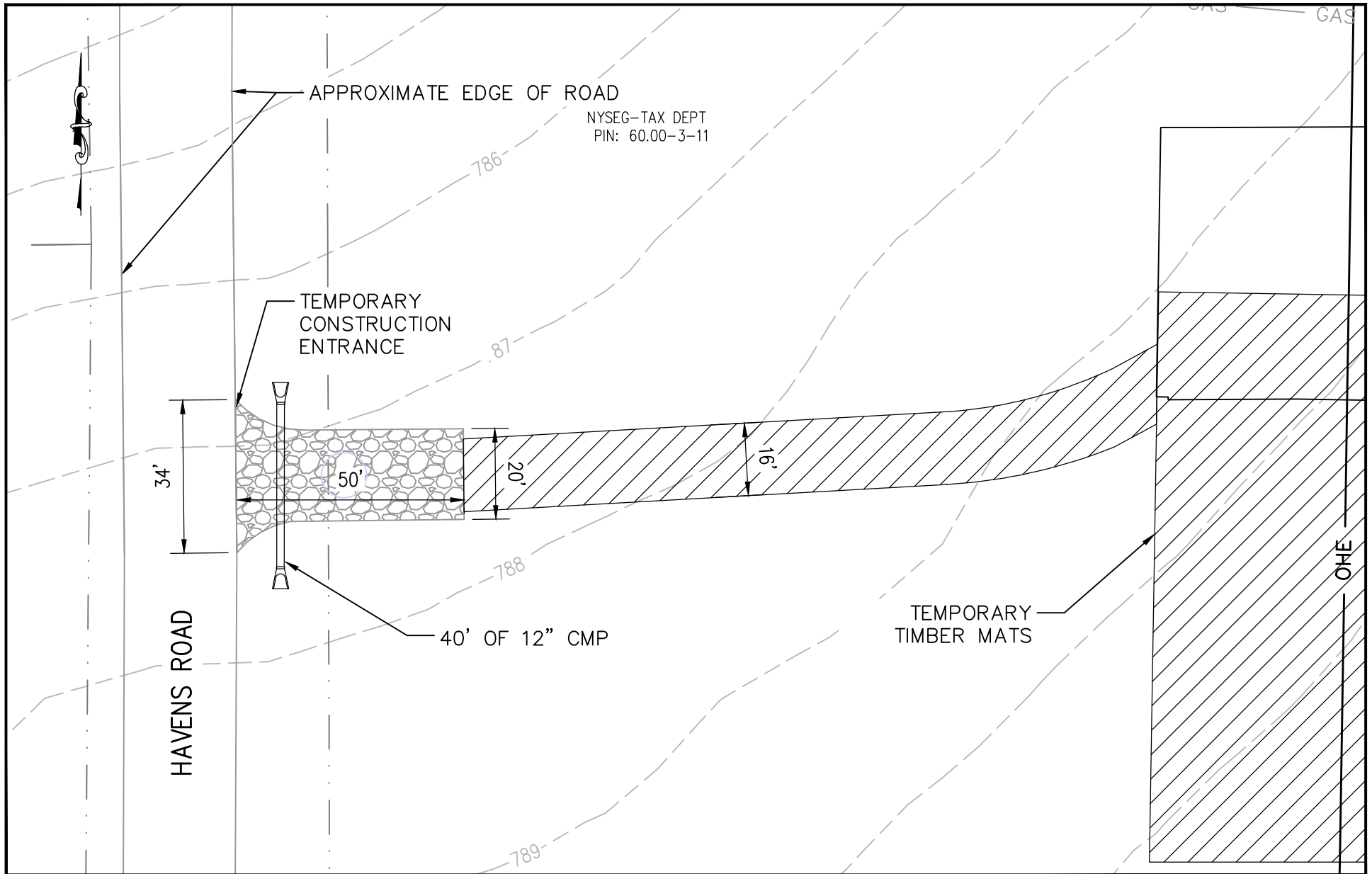


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 18-35 2020-08-06.DWG LAST SAVED BY: nrfoster 8/14/2020 8:47 AM PLOTTED BY: Nolan R. Foster 9/3/2020 3:36 PM Tab: 28 (32)

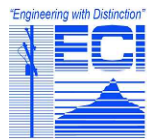


ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 28 PLAN		DWG. NAME:	EST-D-P002-28	REV NO:	C



FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 18-35 2020-08-06.DWG LAST SAVED BY: nrfoster 8/14/2020 8:47 AM PLOTTED BY: Nolan R. Foster 9/3/2020 3:37 PM Tab:29 (33)

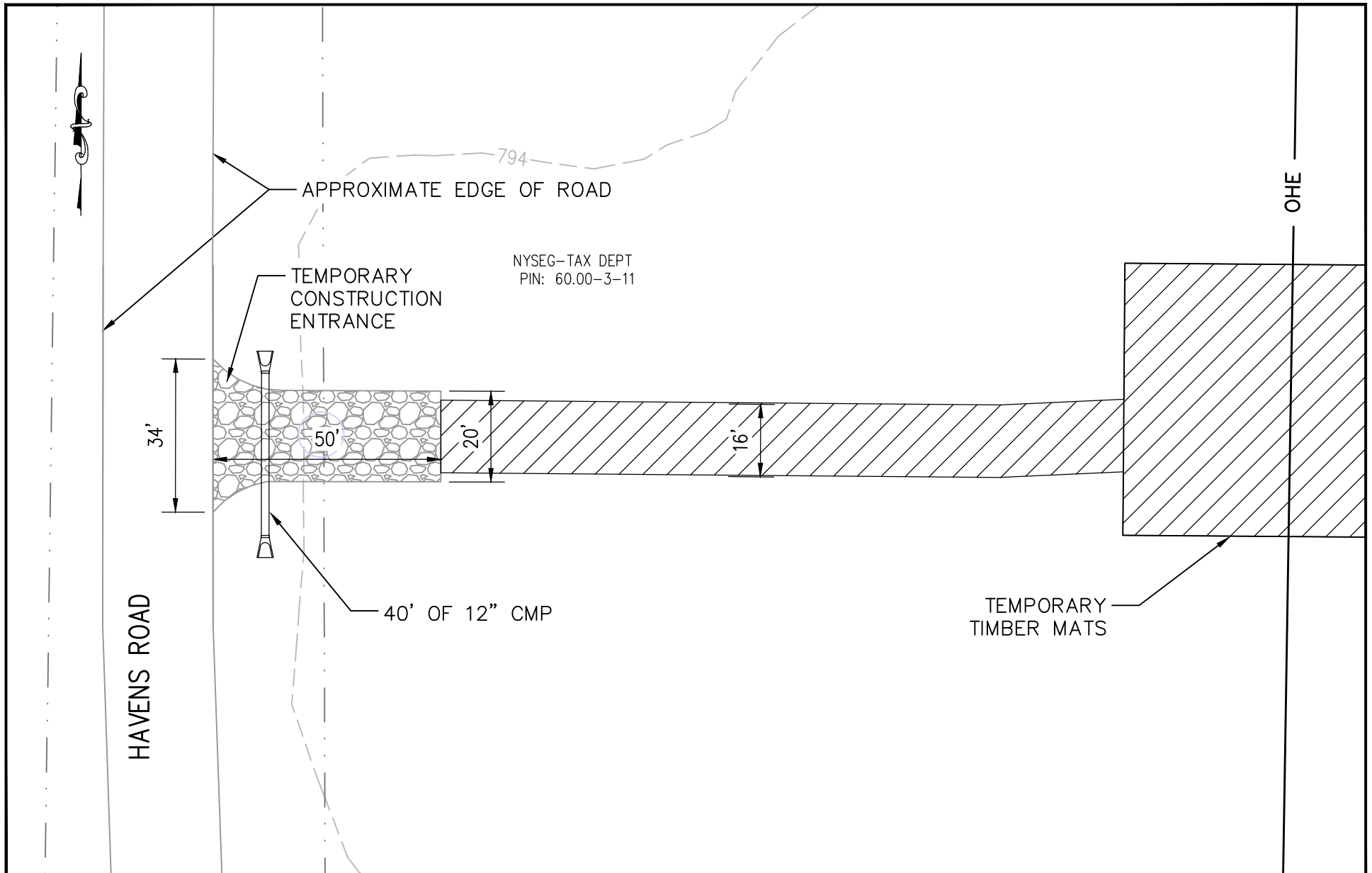


**ECI ENGINEERING
SERVICES, P.C.**



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 29 PLAN	
DWG. NAME:	EST-D-P002-29
REV NO:	C



FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 18-35 2020-08-06.DWG LAST SAVED BY: nrfoster 8/14/2020 8:47 AM PLOTTED BY: Nolan R. Foster 9/3/2020 3:39 PM Tab:30 (34)

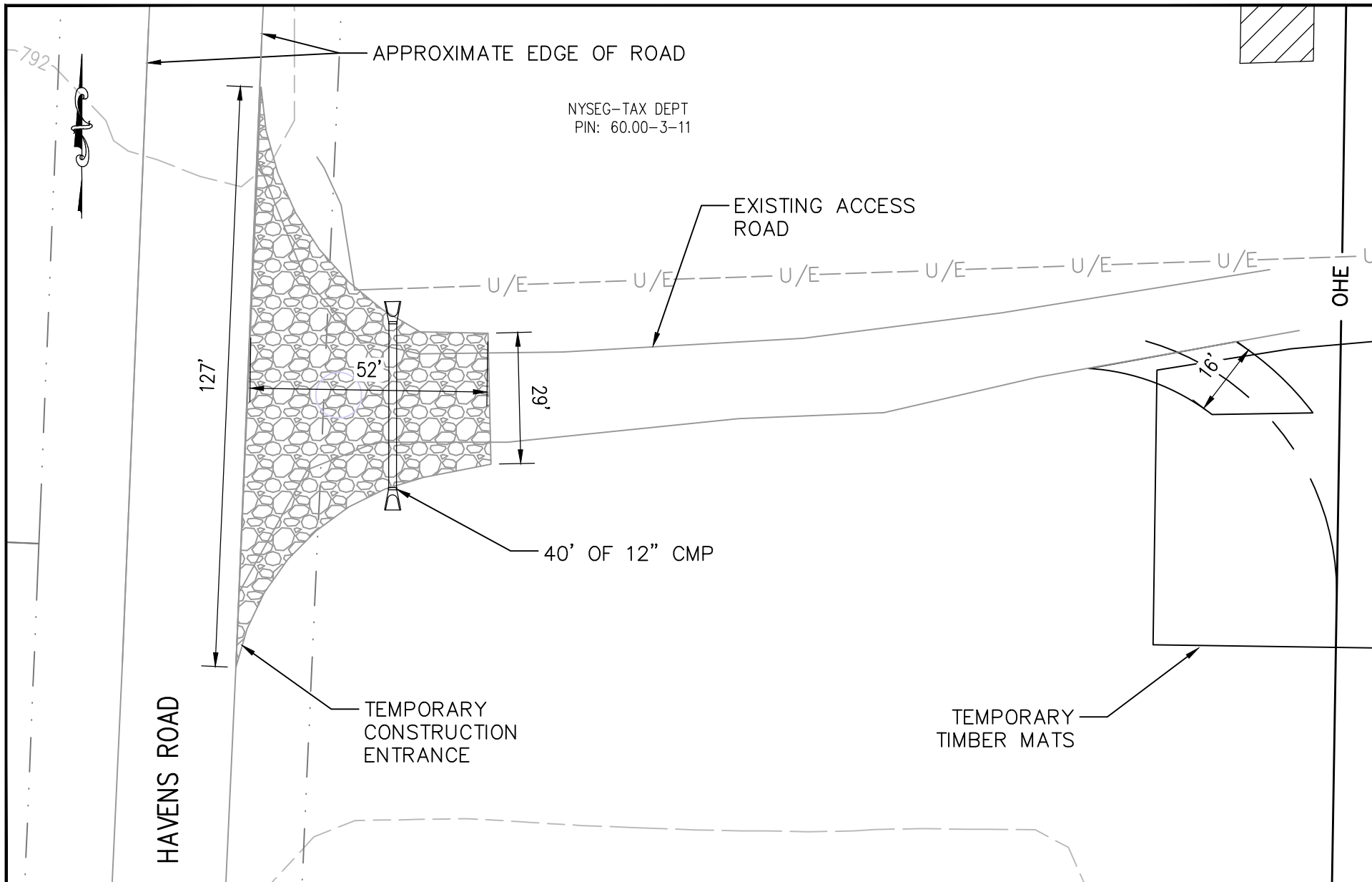


**ECI ENGINEERING
SERVICES, P.C.**



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 30 PLAN	
DWG. NAME: EST-D-P002-30	REV NO: C



FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 18-35 2020-08-06.DWG LAST SAVED BY: nrfoster 8/14/2020 8:47 AM PLOTTED BY: Nolan R. Foster 9/3/2020 3:40 PM Tab:31 (35)

Engineering with Distinction

ECI ECI ENGINEERING SERVICES, P.C.

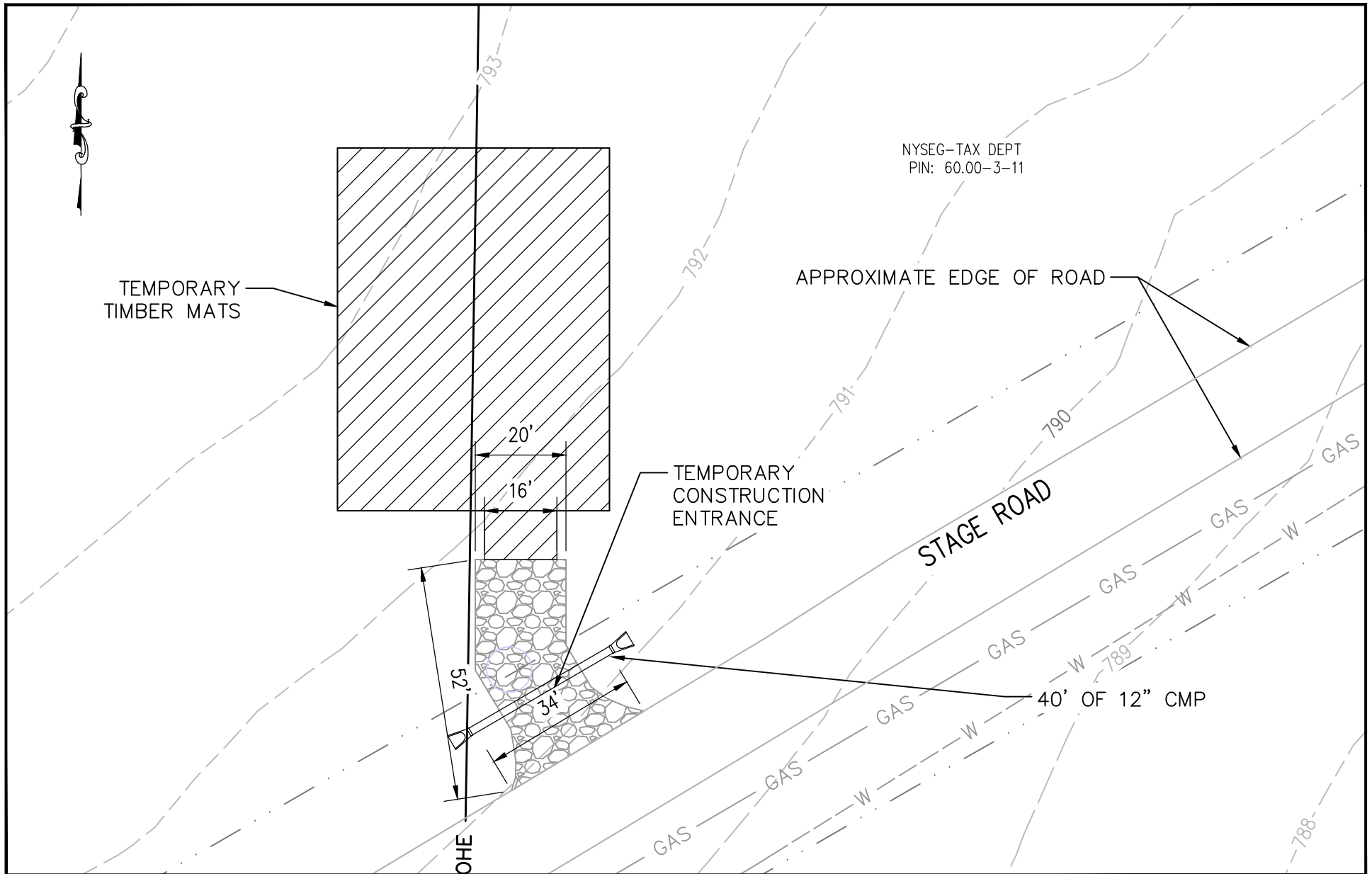
NEXTERA™
ENERGY

TRANSMISSION
NEW YORK

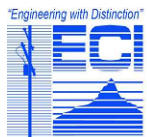
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DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

**EMPIRE STATE LINE
ENTRANCE PLANS
ACCESS 31 PLAN**

DWG. NAME: EST-D-P002-31 REV NO: C



FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 36-51 (2020-08-06).DWG LAST SAVED BY: nrfoster 8/14/2020 7:57 AM PLOTTED BY: Nolan R. Foster 9/3/2020 3:44 PM Tab:32 (36)

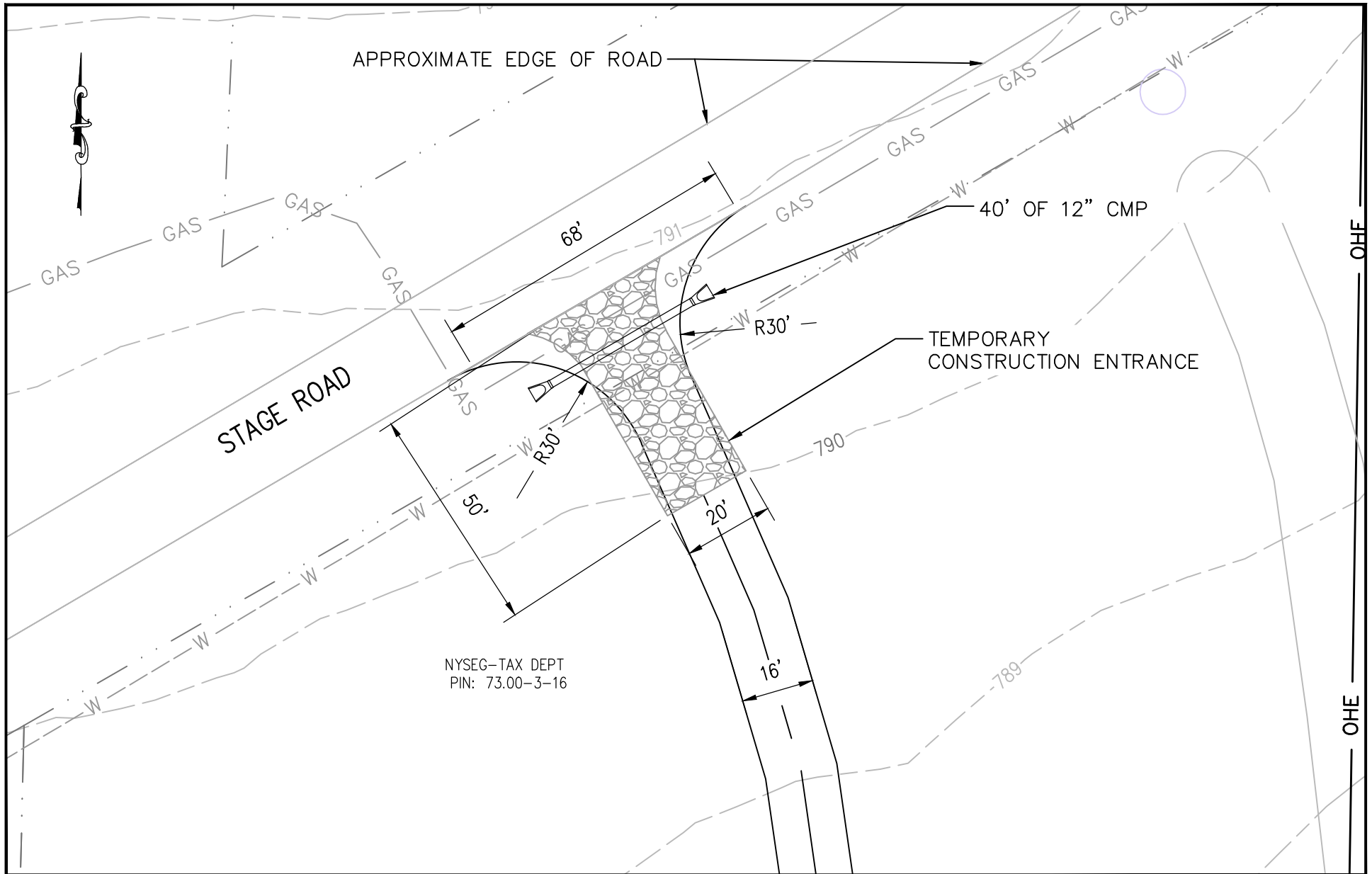


ECI ENGINEERING
SERVICES, P.C.



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 32 PLAN	
DWG. NAME: EST-D-P002-32	REV NO: C



FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 36-51 (2020-08-06).DWG LAST SAVED BY: nrfoster 8/14/2020 7:57 AM PLOTTED BY: Nolan R. Foster 9/3/2020 3:51 PM Tab:33 (37)

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NEXTERA™

ENERGY

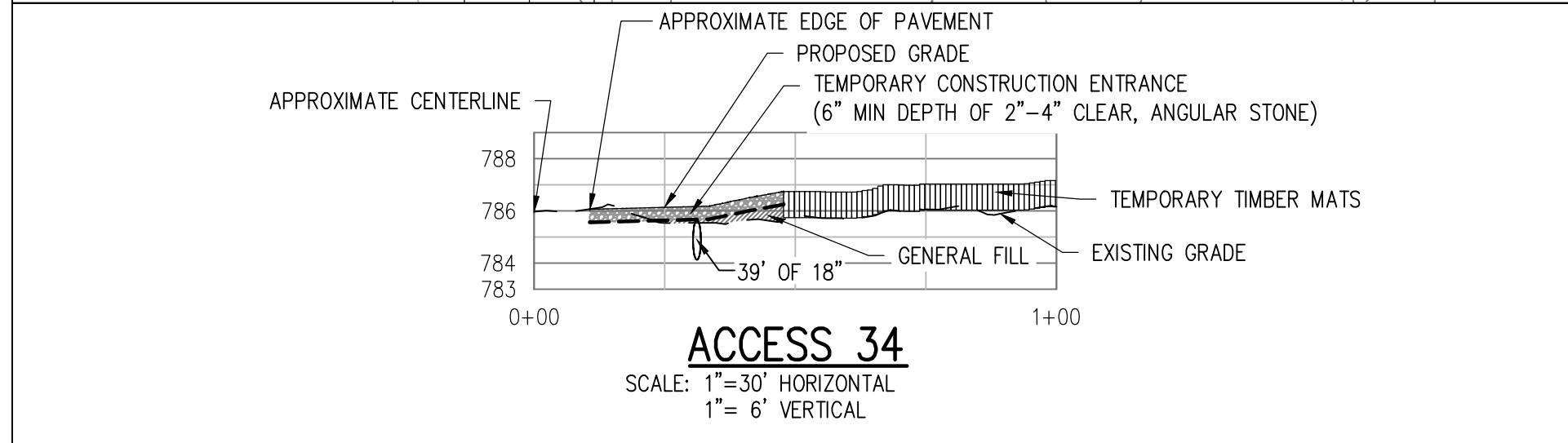
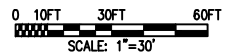
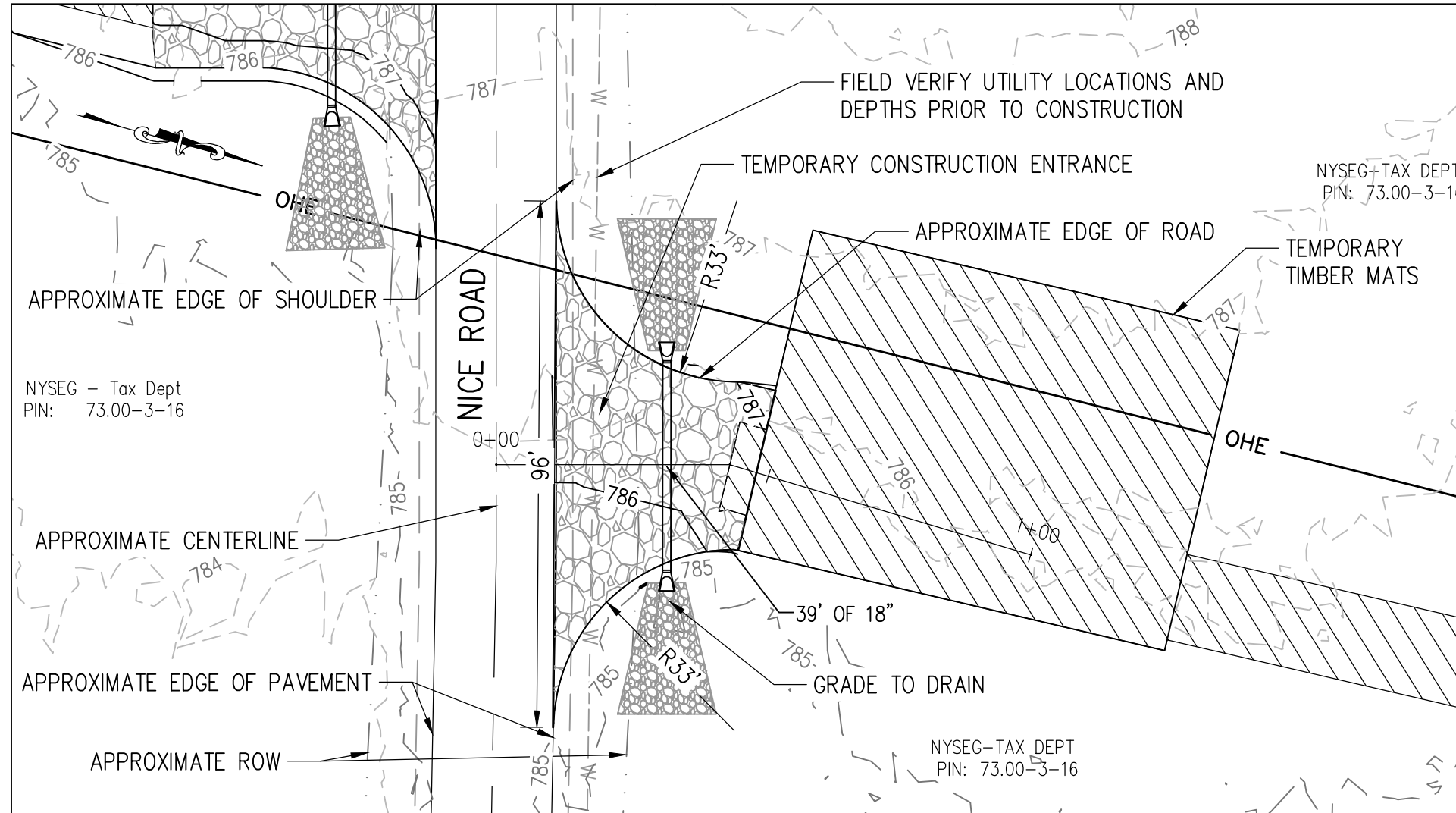


TRANSMISSION
NEW YORK

ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

**EMPIRE STATE LINE
ENTRANCE PLANS
ACCESS 33 PLAN**

DWG. NAME: EST-D-P002-33 REV NO: C



NOTES:

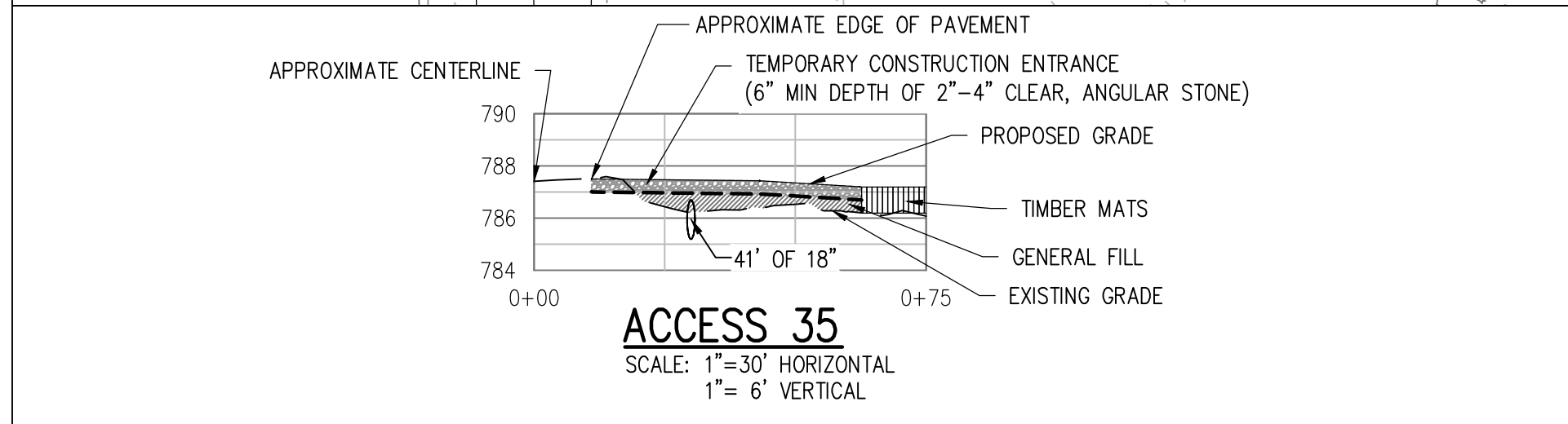
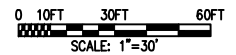
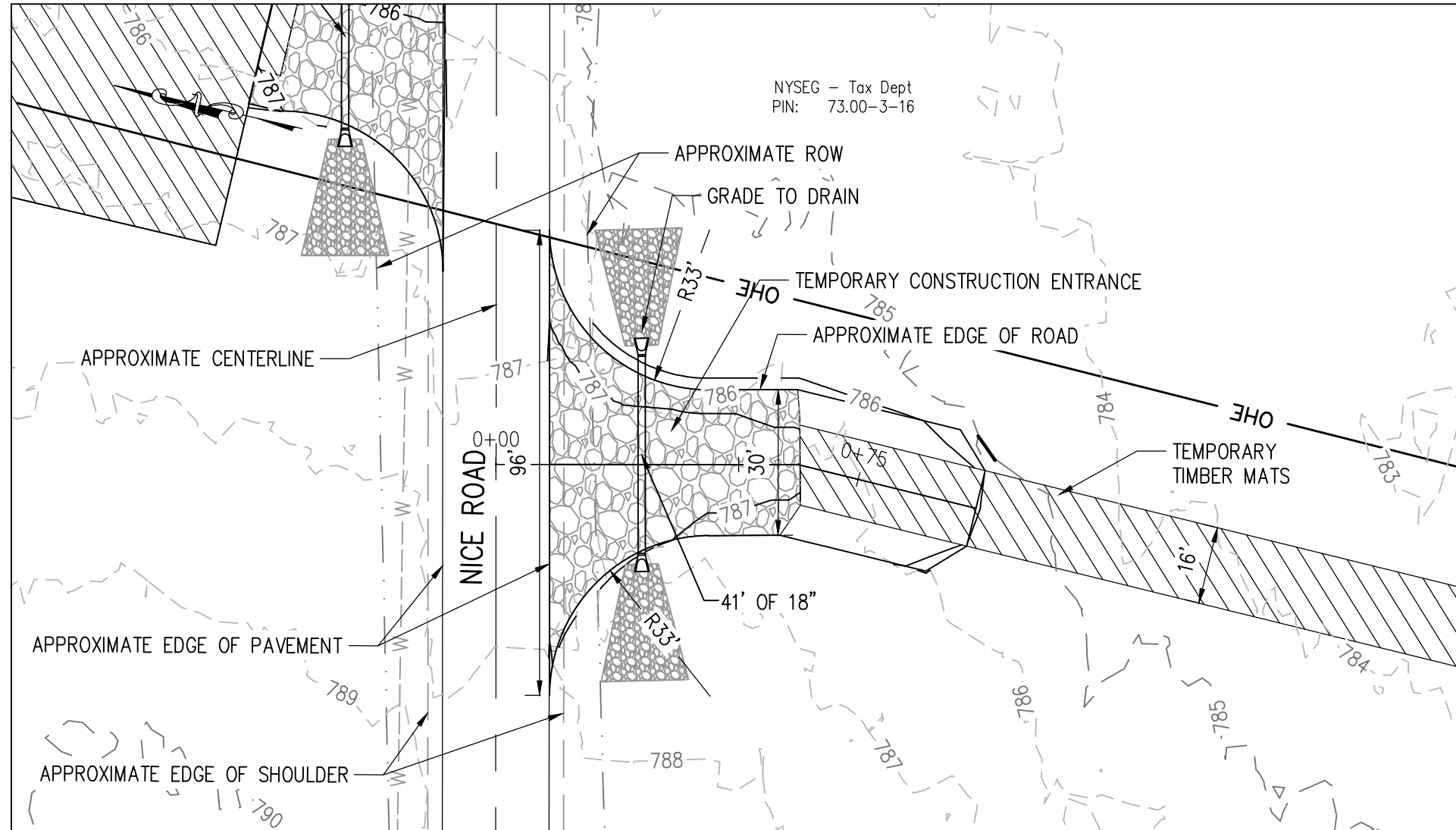
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 18-37.DWG LAST SAVED BY: skcamposon 8/13/2020 1:49 PM PLOTTED BY: Nalan R. Foster 9/3/2020 3:24 PM Tab: 34 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 34 PLAN & PROFILE	
DWG. NAME: EST-D-P002-34	REV NO: C



NOTES:

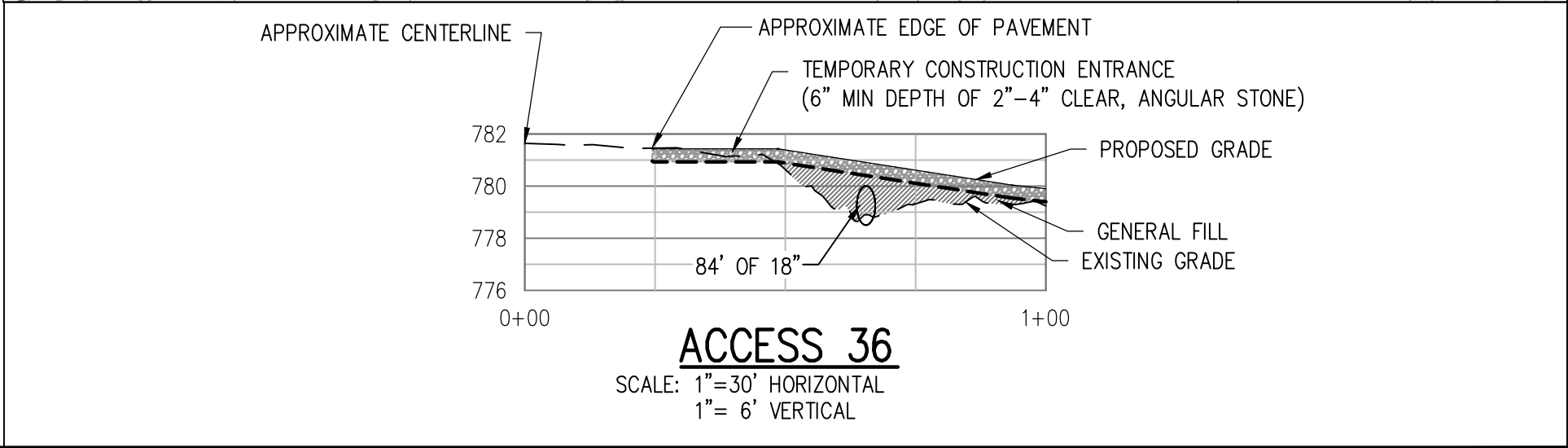
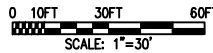
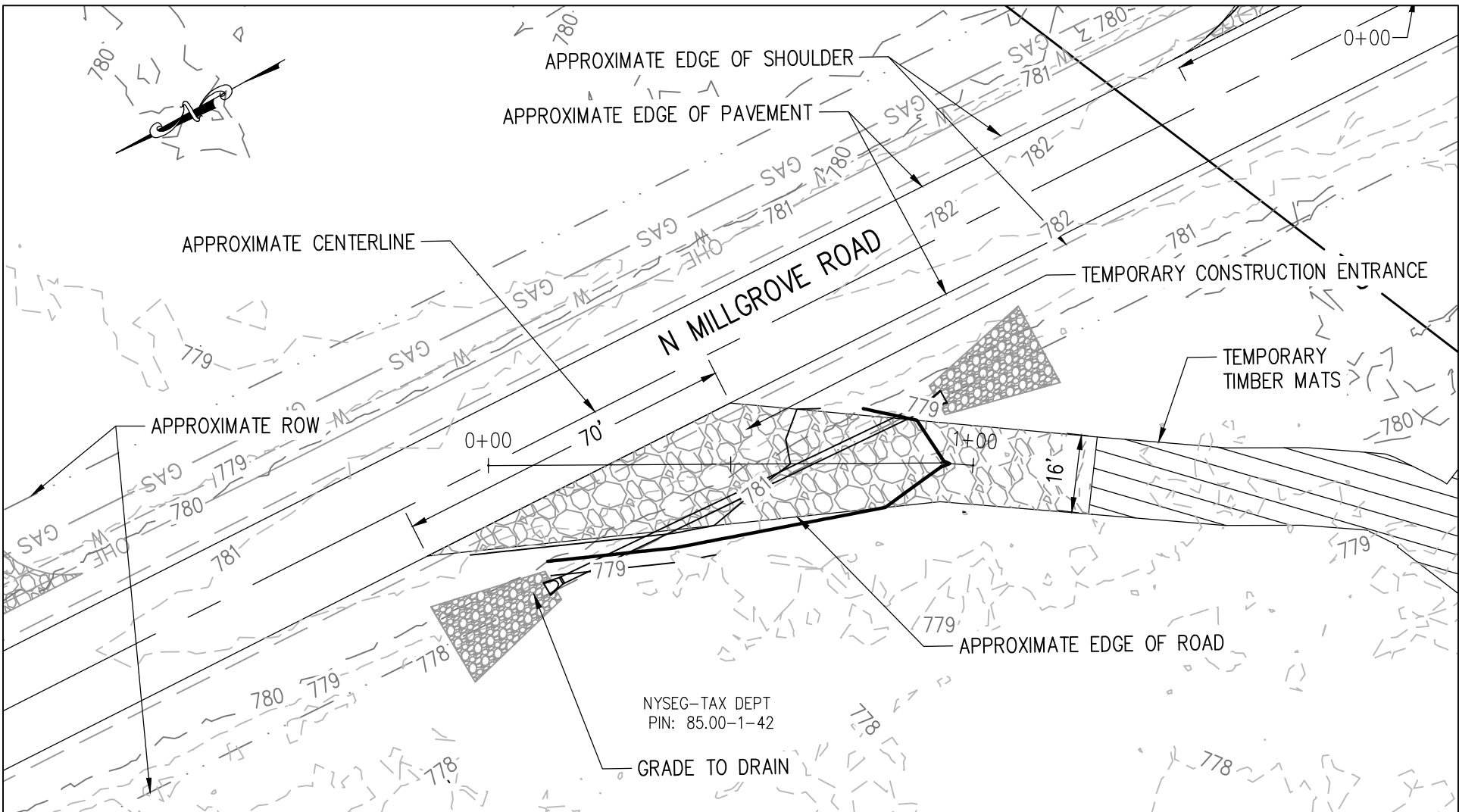
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 18-37.DWG LAST SAVED BY: skcamposon 8/13/2020 1:49 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:26 PM Tab: 35 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE	
ENTRANCE PLANS	
ACCESS 35 PLAN & PROFILE	
DWG. NAME: EST-D-P002-35	REV NO: C



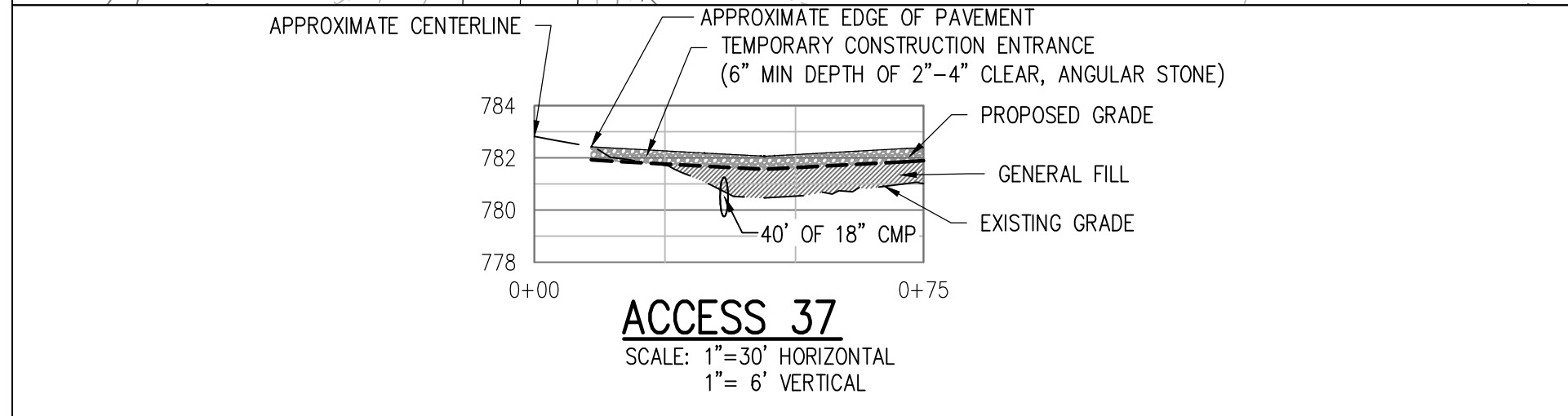
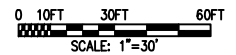
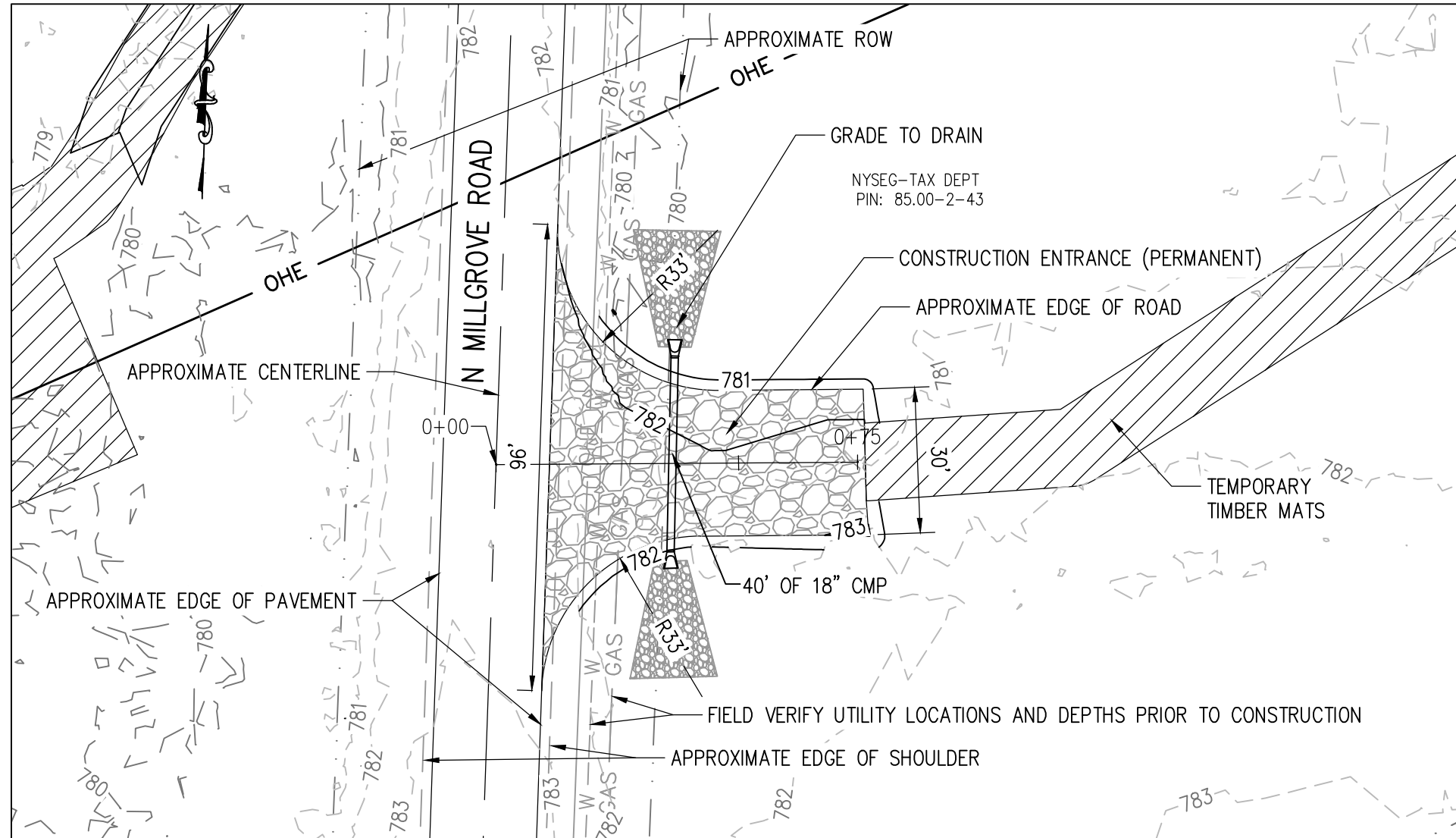
- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 18-37.DWG LAST SAVED BY: skcamposon 8/13/2020 1:49 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:27 PM Tab: 36 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE		
ENTRANCE PLANS		
ACCESS 36 PLAN & PROFILE		
DWG. NAME:	EST-D-P002-36	REV NO: C



ACCESS 37

SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

NOTES:

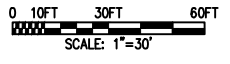
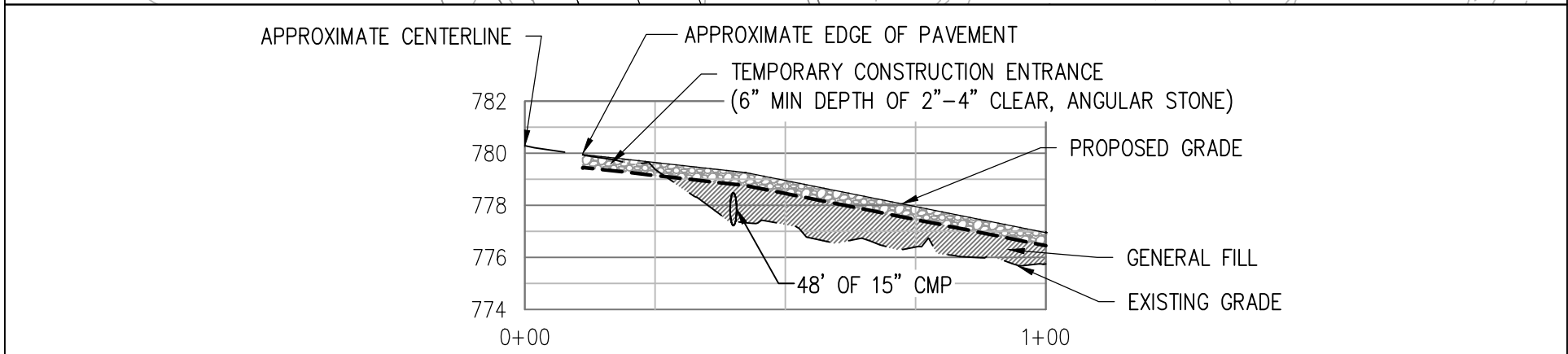
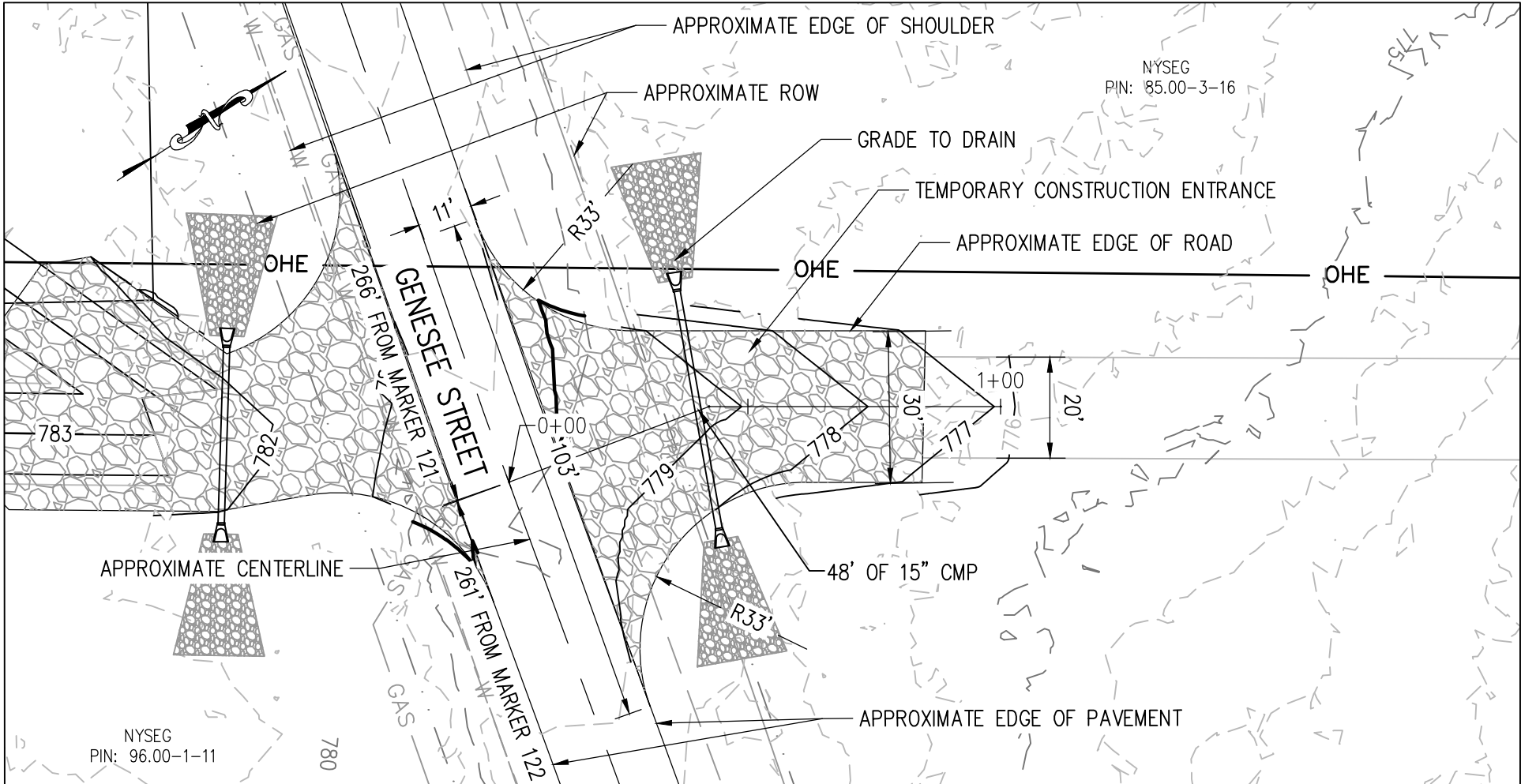
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 18-37.DWG LAST SAVED BY: skcamposon 8/13/2020 1:49 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:29 PM Tab: 37 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 37 PLAN & PROFILE		
DWG. NAME:	EST-D-P002-37	REV NO: C



- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

ACCESS 38

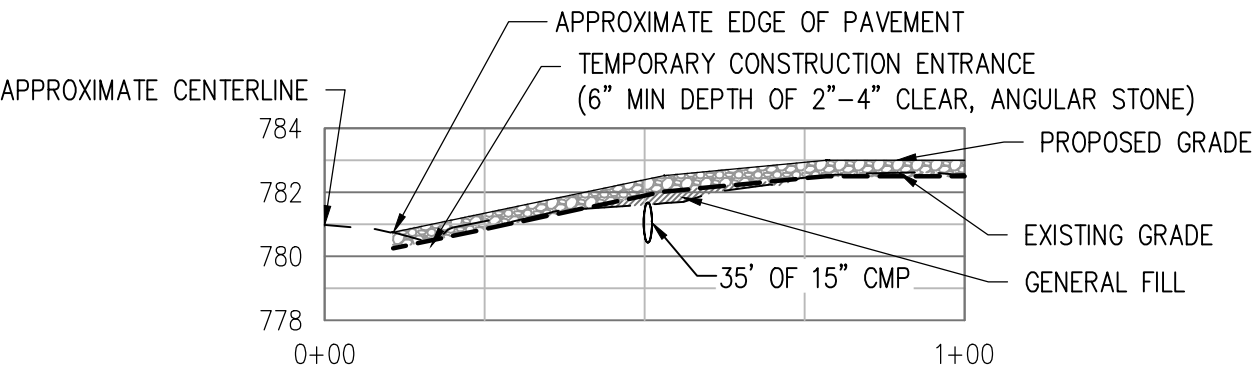
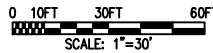
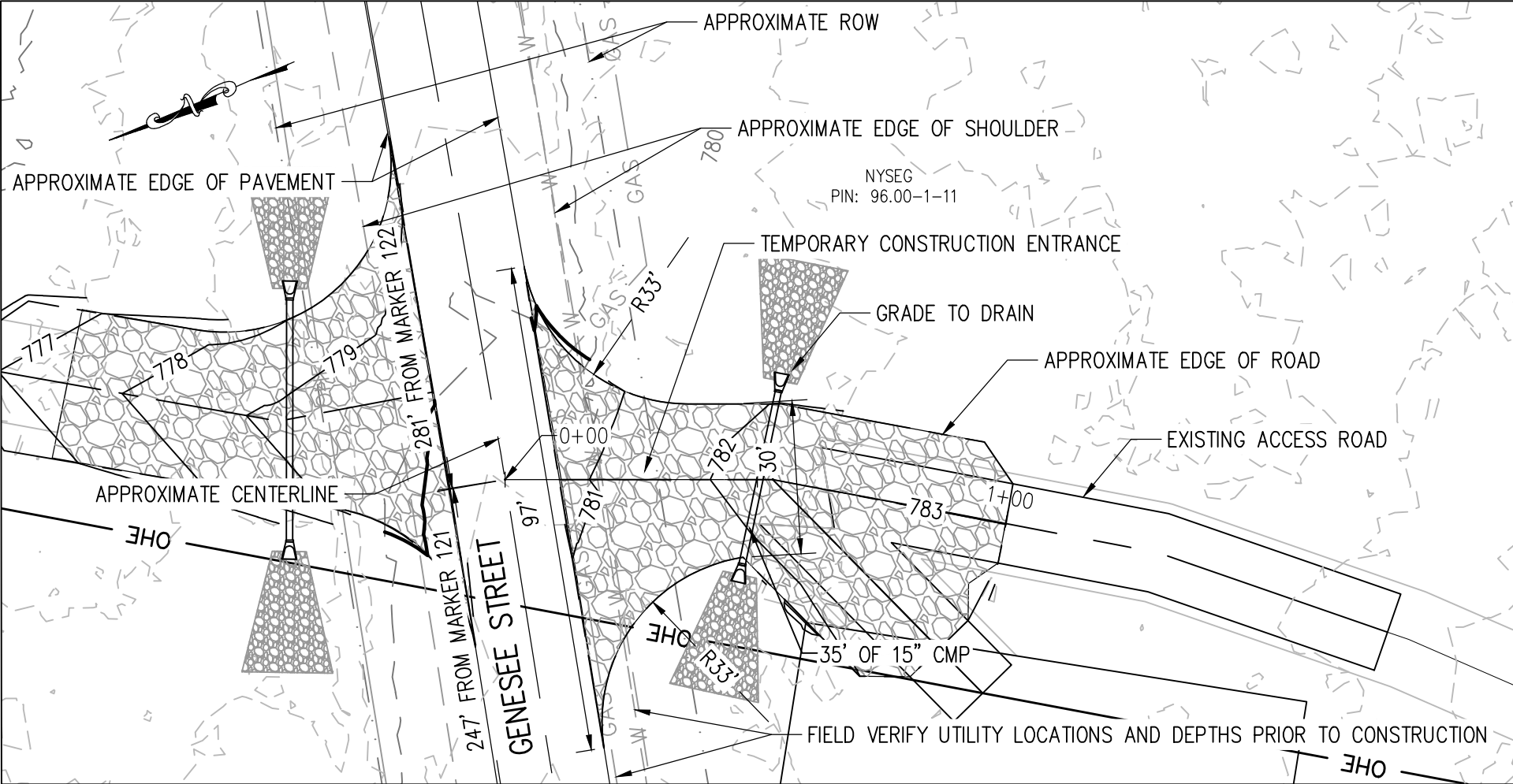
SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 38-53.DWG LAST SAVED BY: nrfoster 9/3/2020 2:33 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:56 PM Tab:38 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 38 PLAN & PROFILE		
DWG. NAME:	EST-D-P002-38	REV NO: C



ACCESS 39

SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

NOTES:

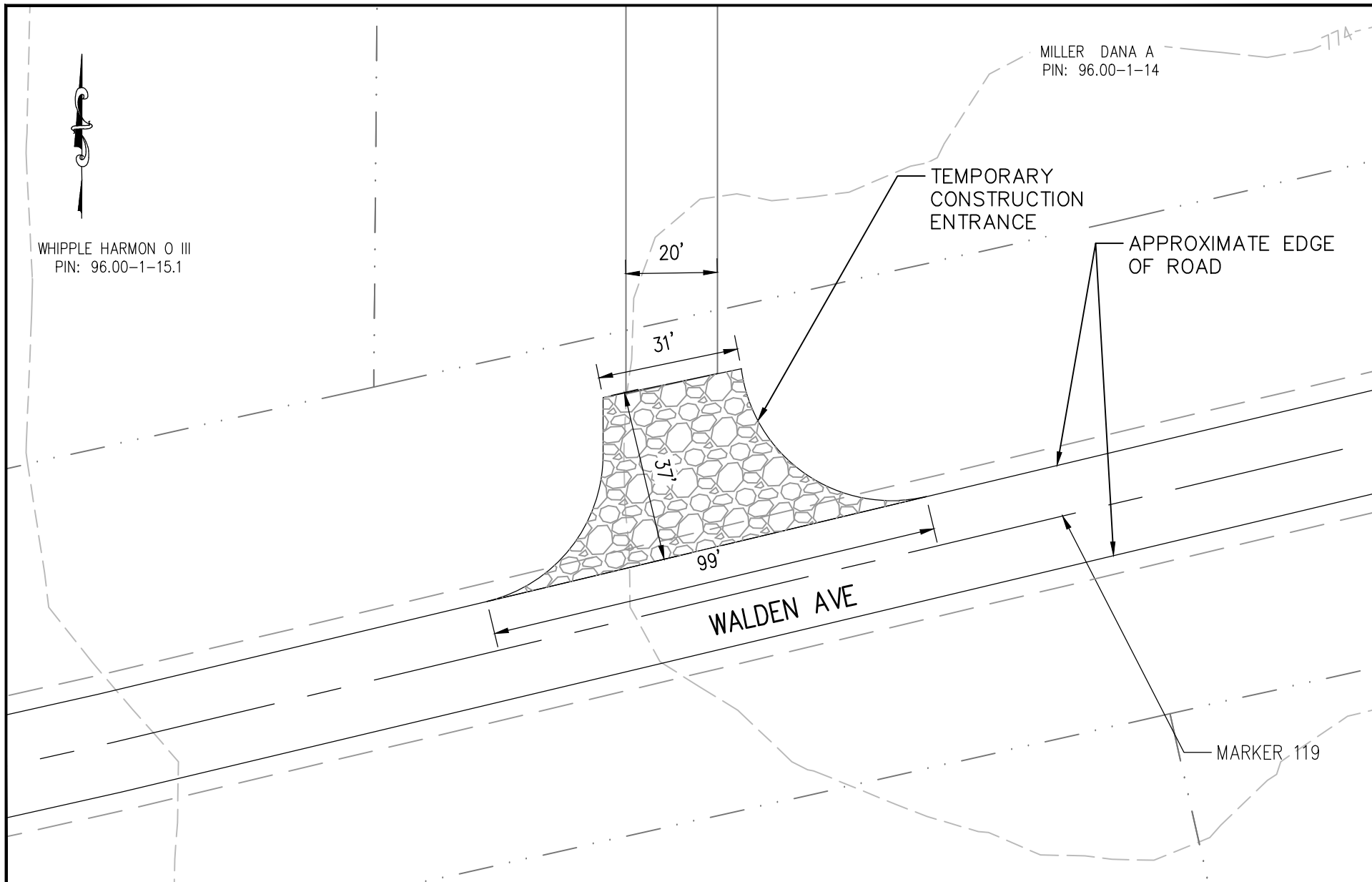
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 38-53.DWG LAST SAVED BY: nrfoster 9/3/2020 2:33 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:57 PM Tab:39 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE	
ENTRANCE PLANS	
ACCESS 39 PLAN & PROFILE	
DWG. NAME:	EST-D-P002-39
REV NO:	C

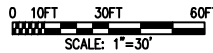
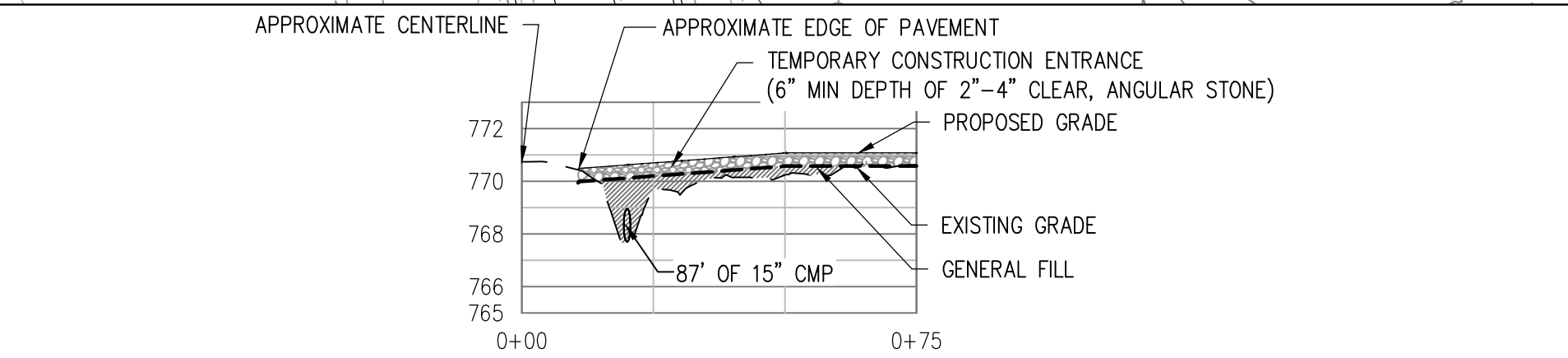
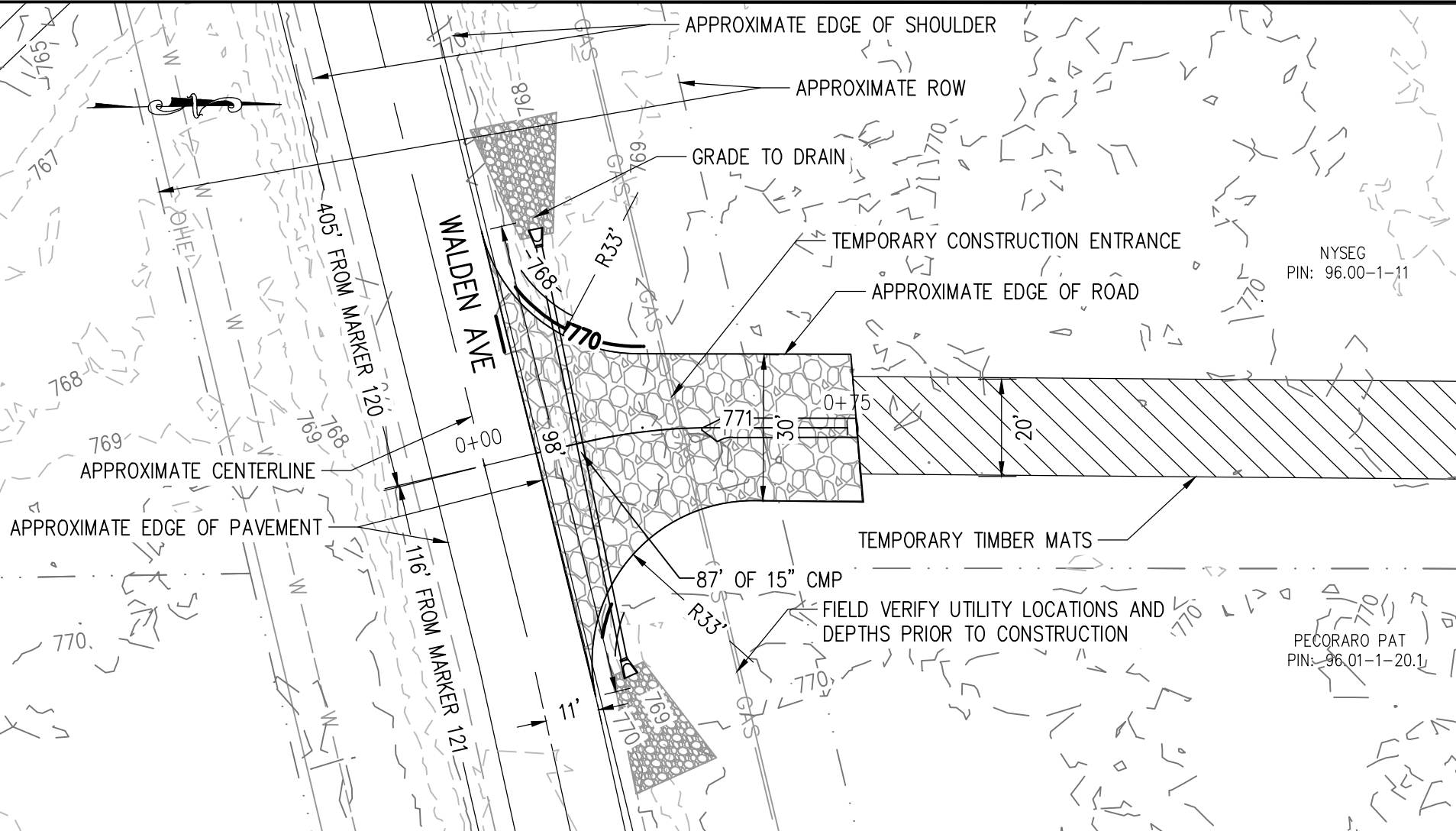


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 36-51 (2020-08-06).DWG LAST SAVED BY: nrfoster 8/14/2020 7:57 AM PLOTTED BY: Nolan R. Foster 9/3/2020 3:52 PM Tab:40 (WAS ADDED)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 40 PLAN	
DWG. NAME: EST-D-P002-40	REV NO: C



- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

ACCESS 41

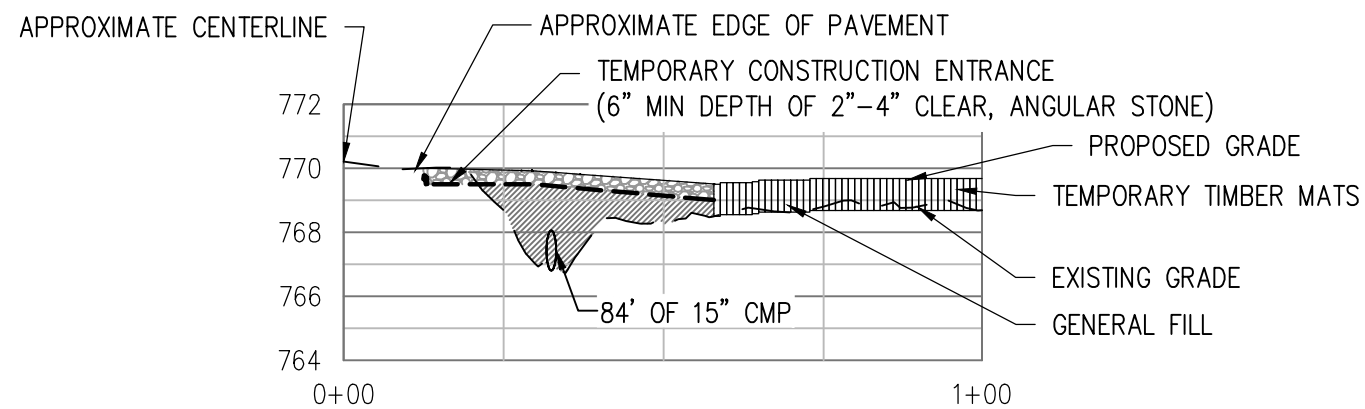
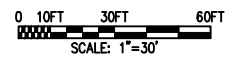
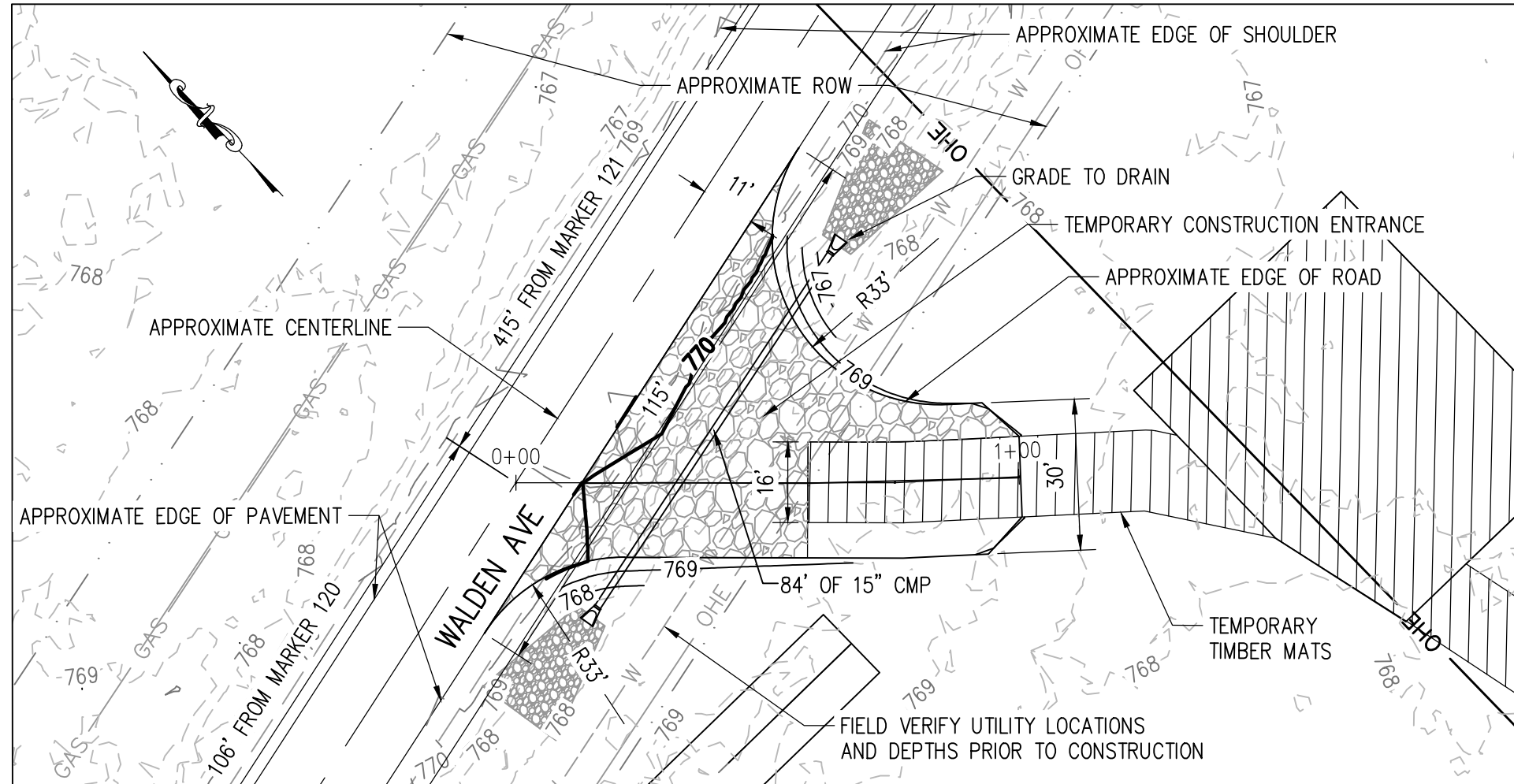
SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 38-53.DWG LAST SAVED BY: nrfoster 9/3/2020 2:33 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:58 PM Tab:41 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE		
ENTRANCE PLANS		
ACCESS 41 PLAN & PROFILE		
DWG. NAME:	EST-D-P002-41	REV NO: C



ACCESS 42

SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

NOTES:

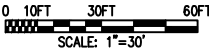
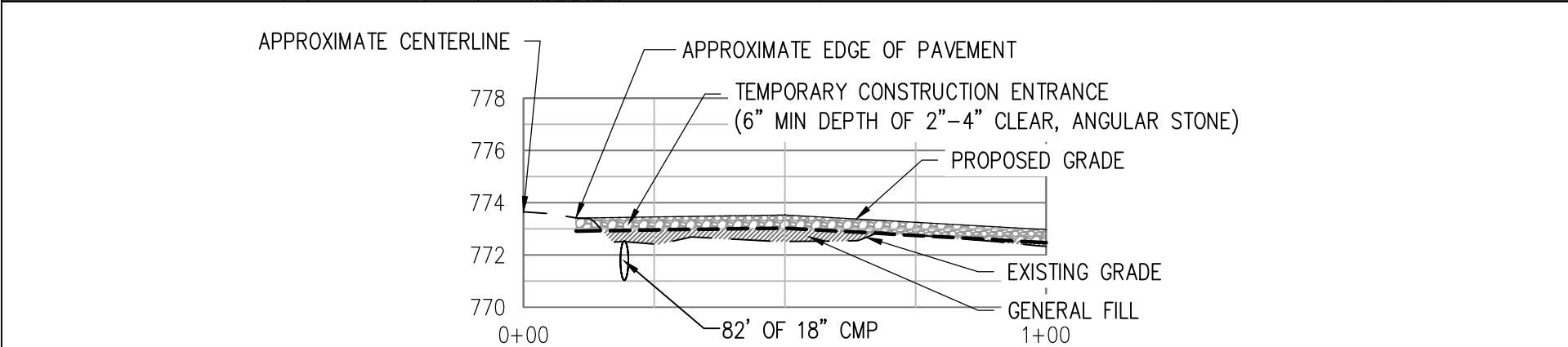
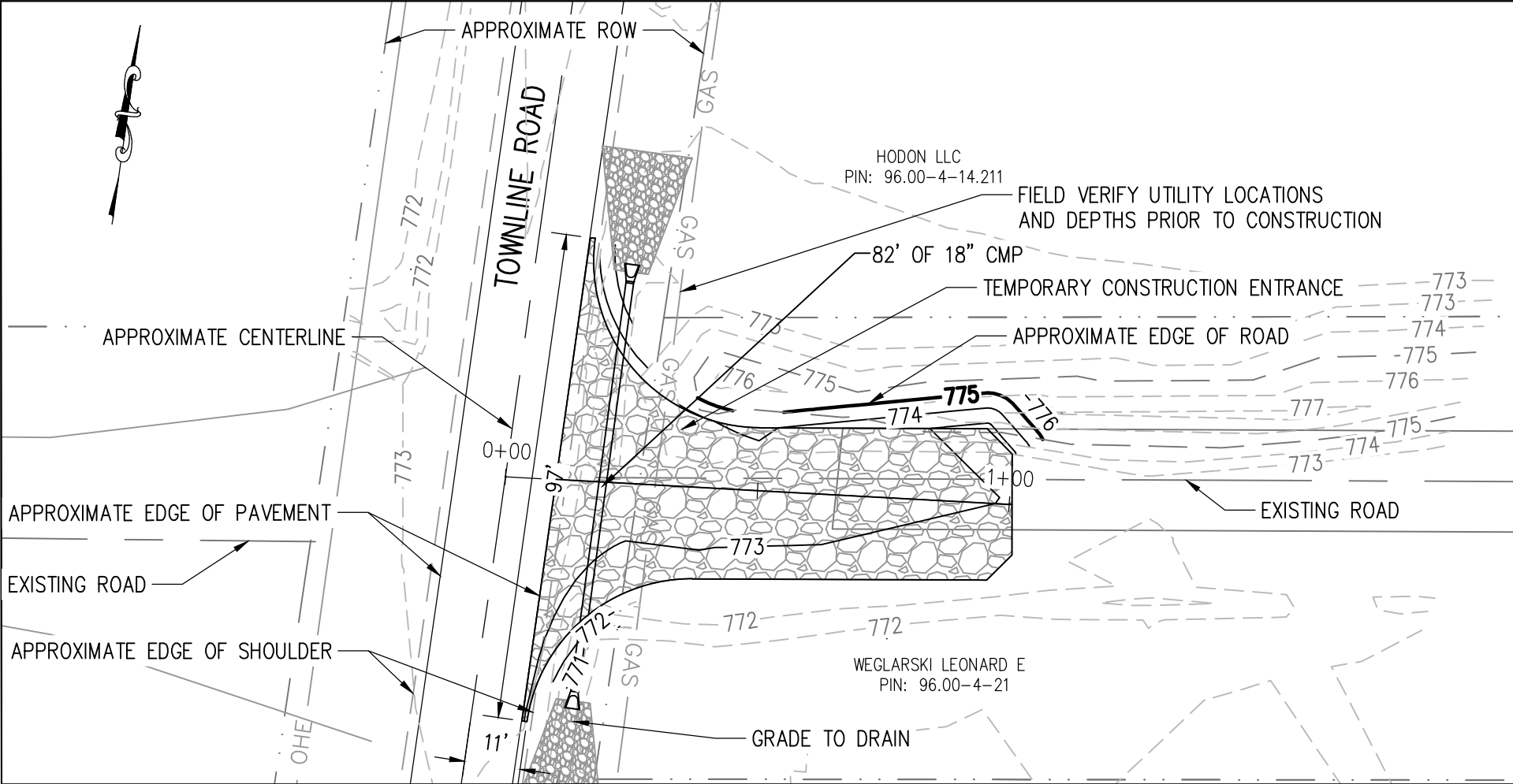
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 38-53.DWG LAST SAVED BY: nrfoster 9/3/2020 2:33 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:59 PM Tab:42 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 42 PLAN & PROFILE		DWG. NAME:	EST-D-P002-42	REV NO:	C



- NOTES:
- 1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 - 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 - 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

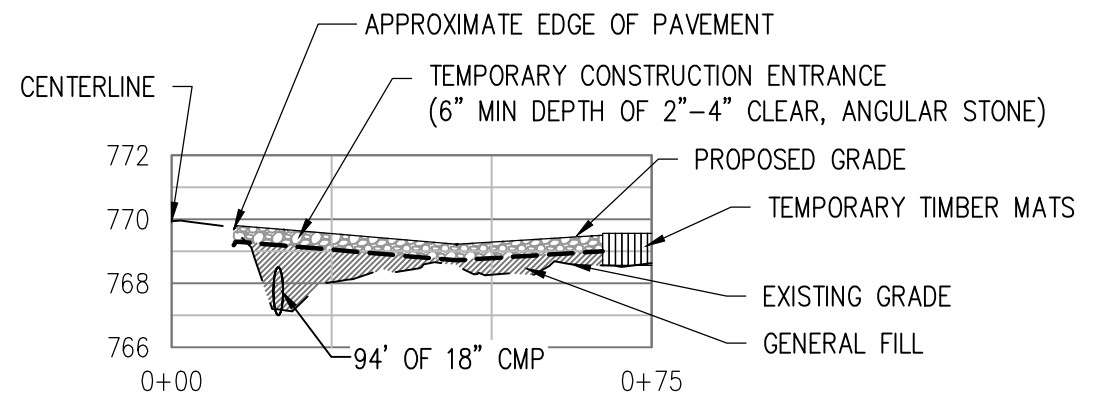
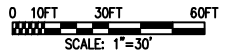
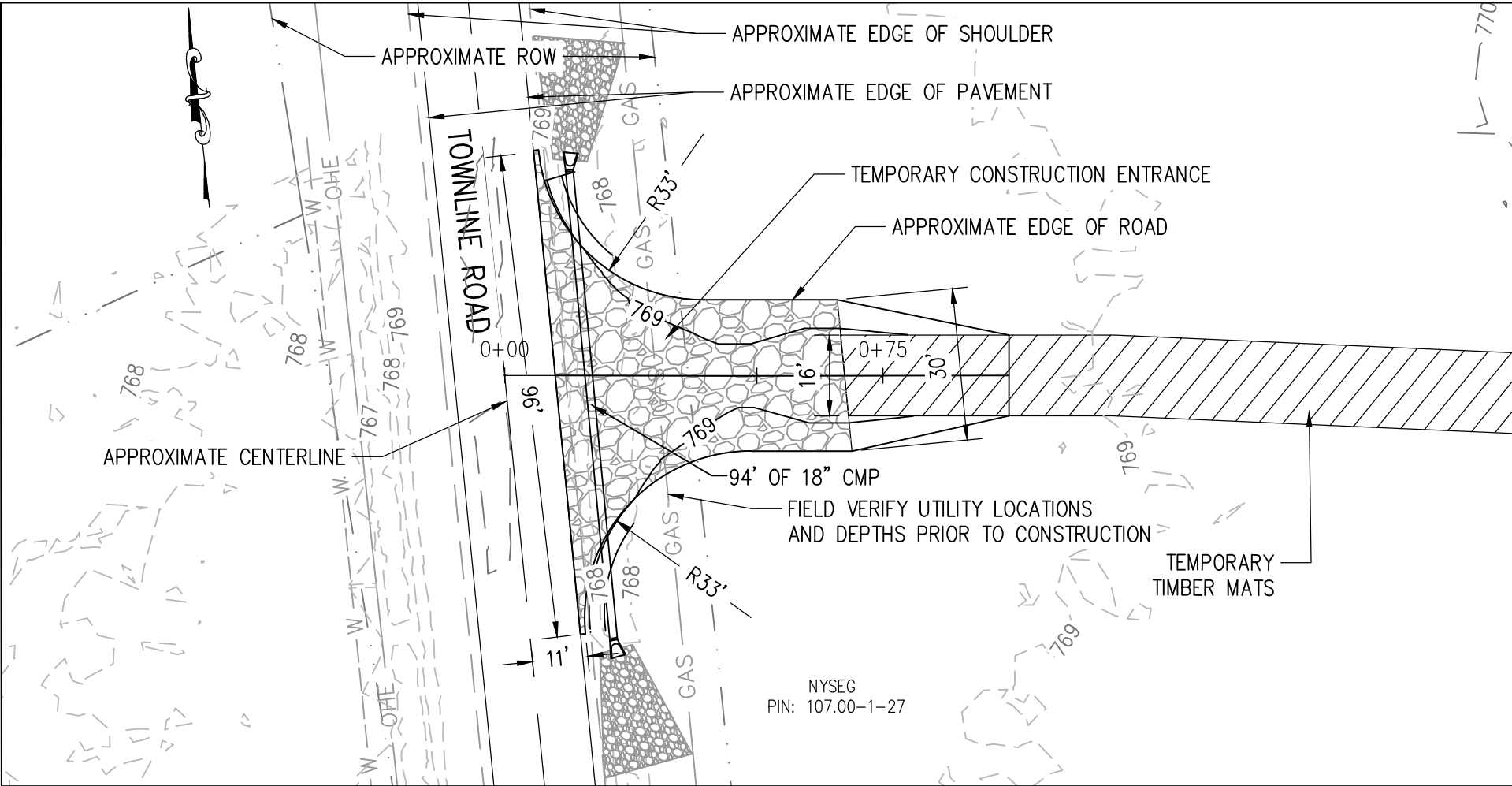
ACCESS 43
SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 38-53.DWG LAST SAVED BY: skcomposon 9/9/2020 2:40 PM PLOTTED BY: Steven K. Composon 9/9/2020 2:43 PM Tab:43 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 43 PLAN & PROFILE		
DWG. NAME:	EST-D-P002-43	REV NO: C



ACCESS 44

SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

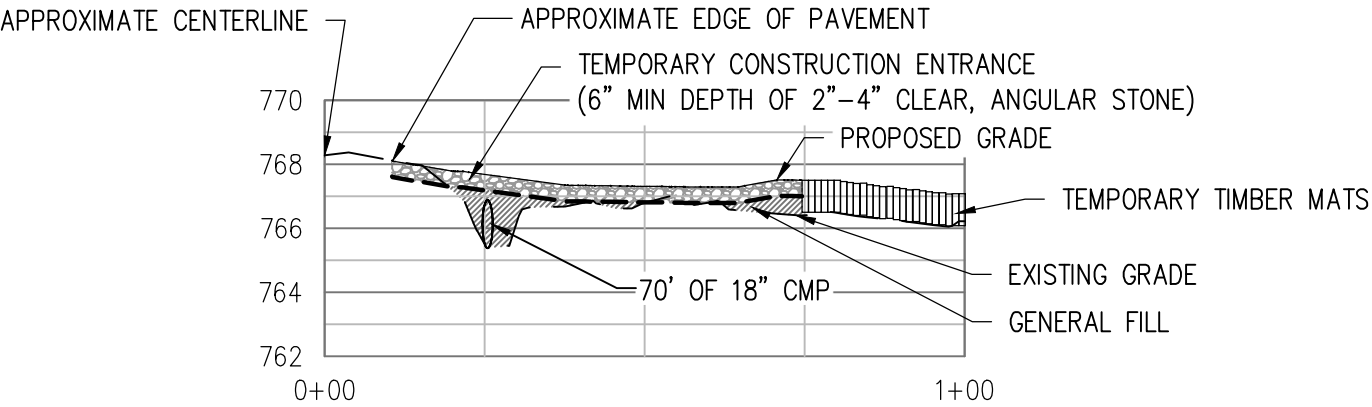
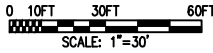
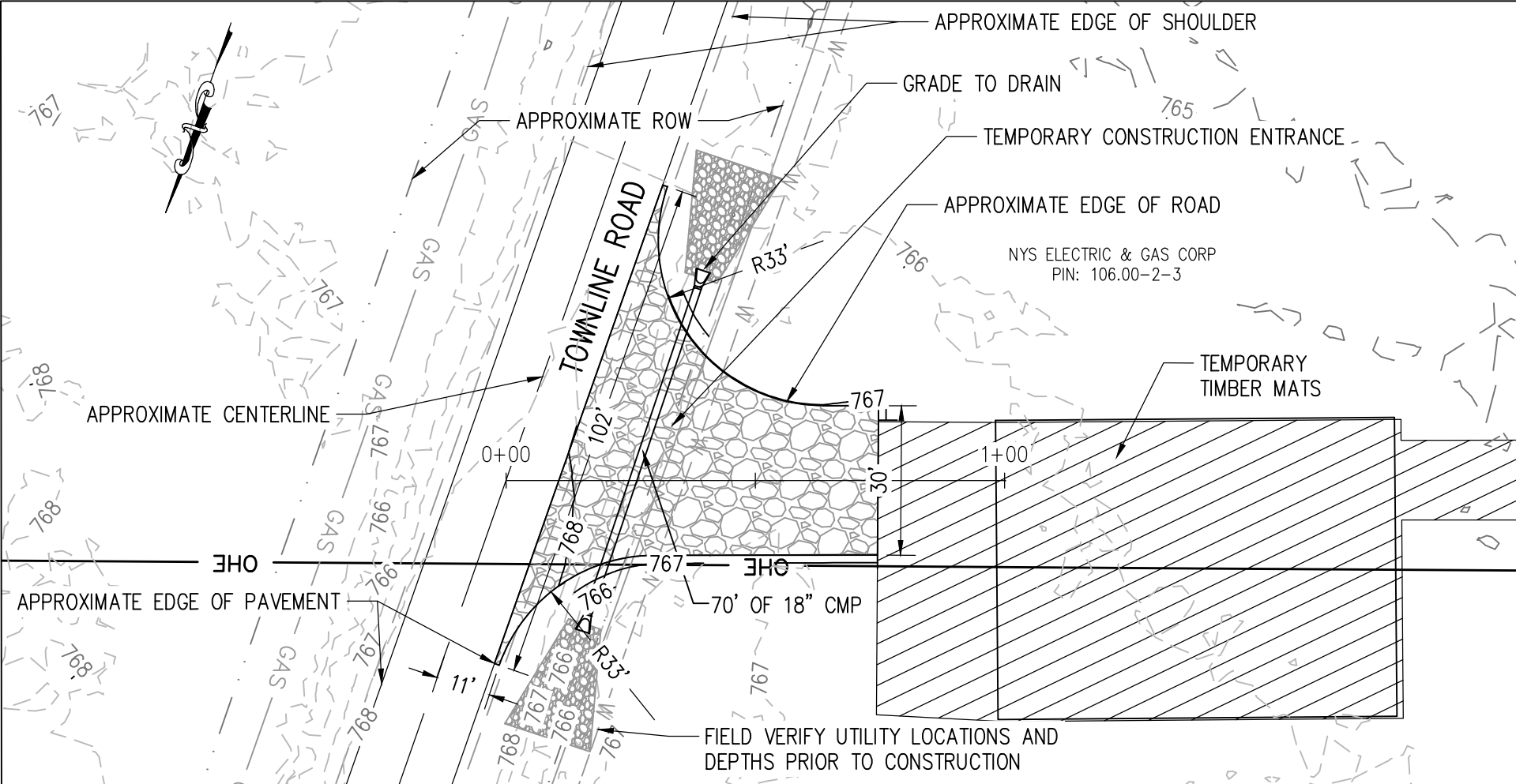
- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 38-53.DWG LAST SAVED BY: nrfoster 9/3/2020 2:33 PM PLOTTED BY: Nolan R. Foster 9/3/2020 4:00 PM Tab:44 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 44 PLAN & PROFILE		DWG. NAME:	EST-D-P002-44	REV NO:	C



ACCESS 45

SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

NOTES:

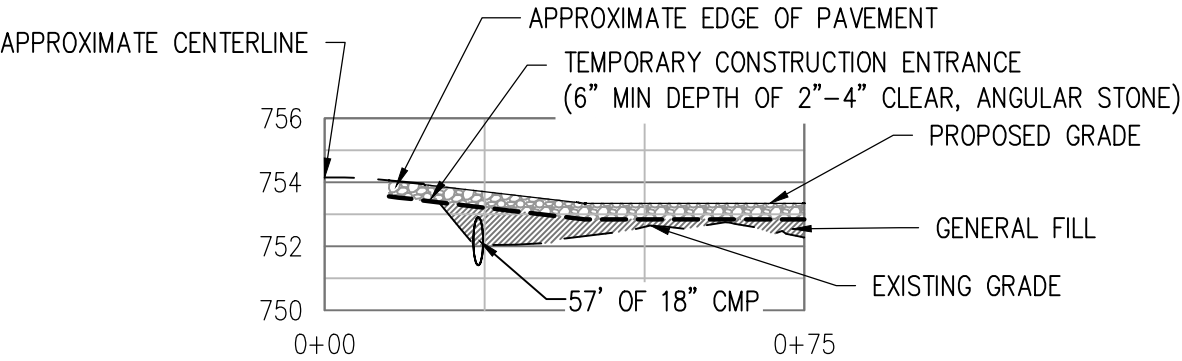
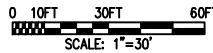
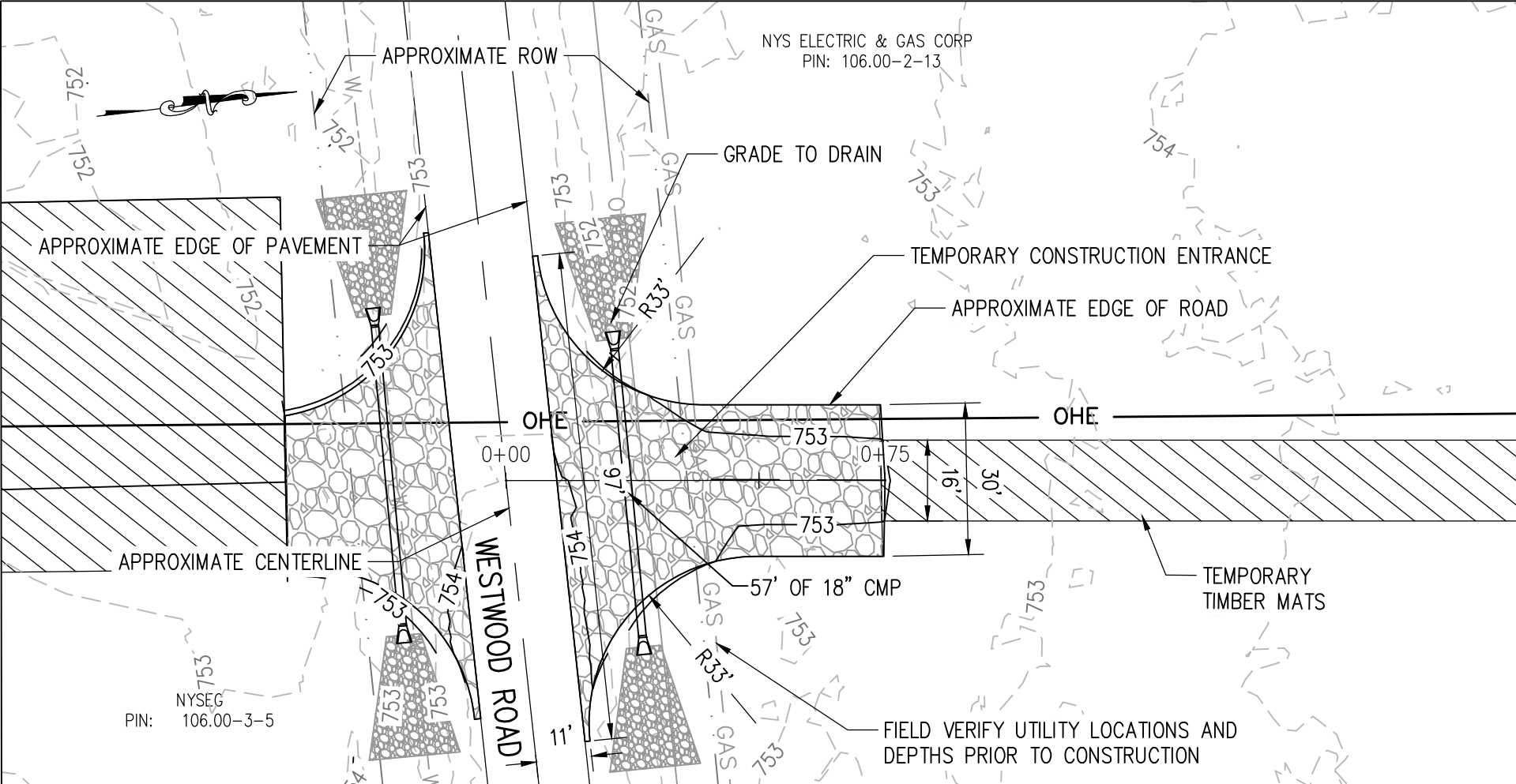
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 38-53.DWG LAST SAVED BY: nrfoster 9/3/2020 2:33 PM PLOTTED BY: Nolan R. Foster 9/3/2020 4:01 PM Tab:45 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 45 PLAN & PROFILE		
DWG. NAME:	EST-D-P002-45	REV NO: C



ACCESS 46

SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

NOTES:

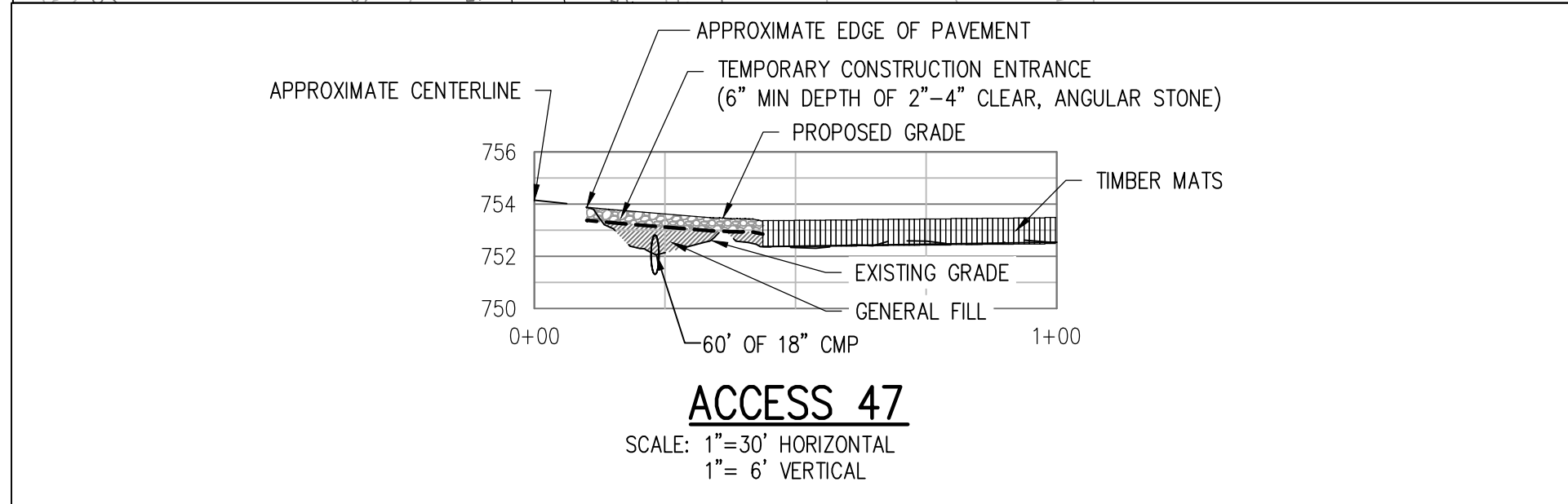
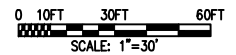
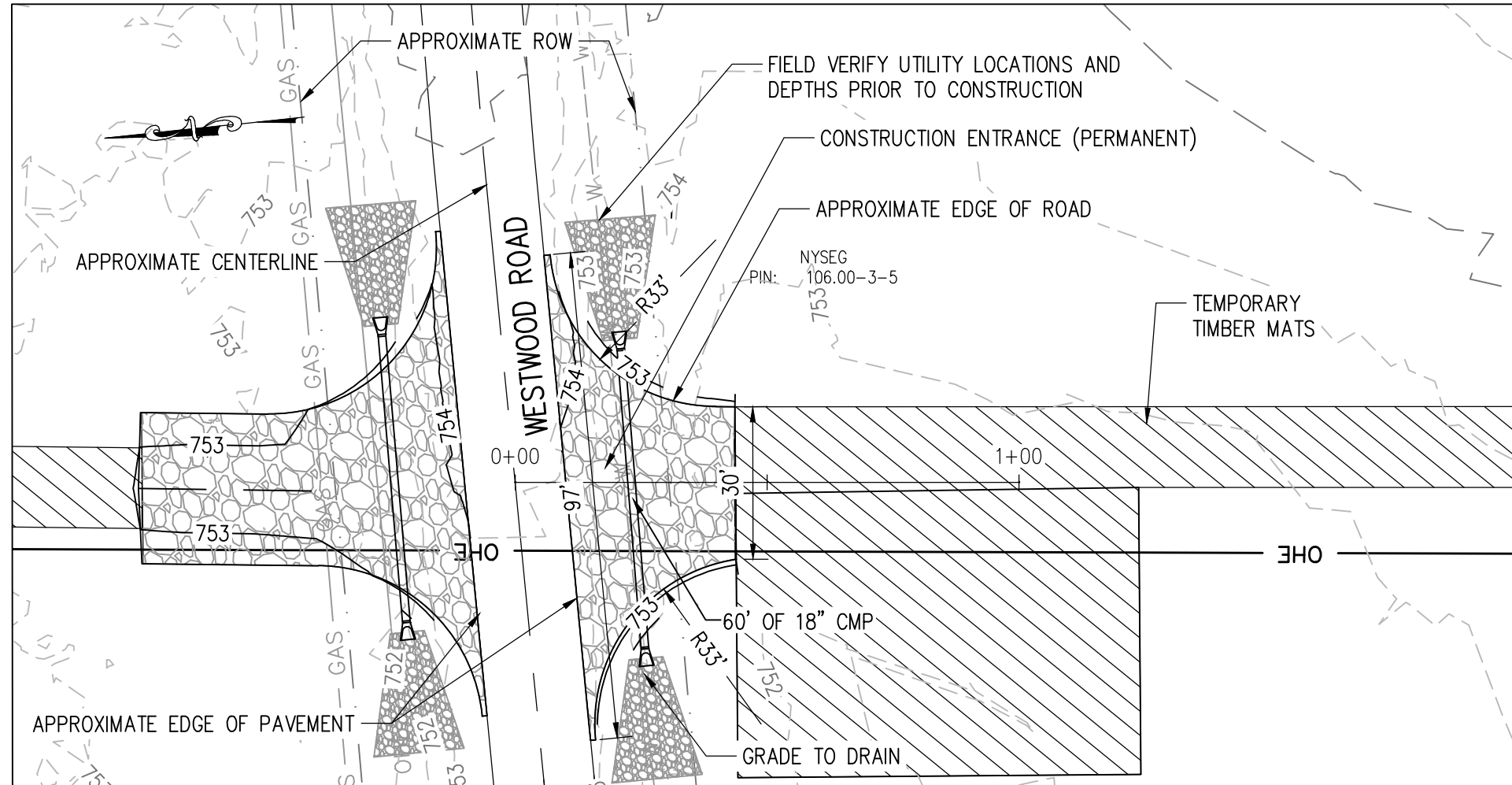
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 38-53.DWG LAST SAVED BY: nrfoster 9/3/2020 2:33 PM PLOTTED BY: Nolan R. Foster 9/3/2020 4:02 PM Tab:46 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE		
ENTRANCE PLANS		
ACCESS 46 PLAN & PROFILE		
DWG. NAME:	EST-D-P002-46	REV NO: C



NOTES:

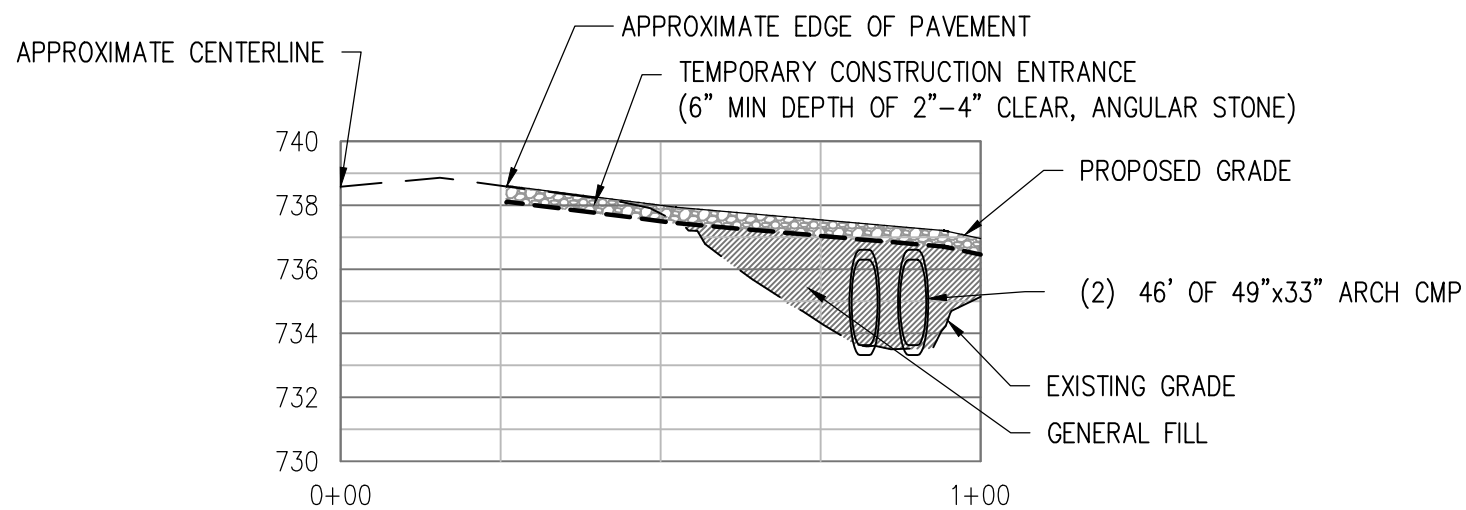
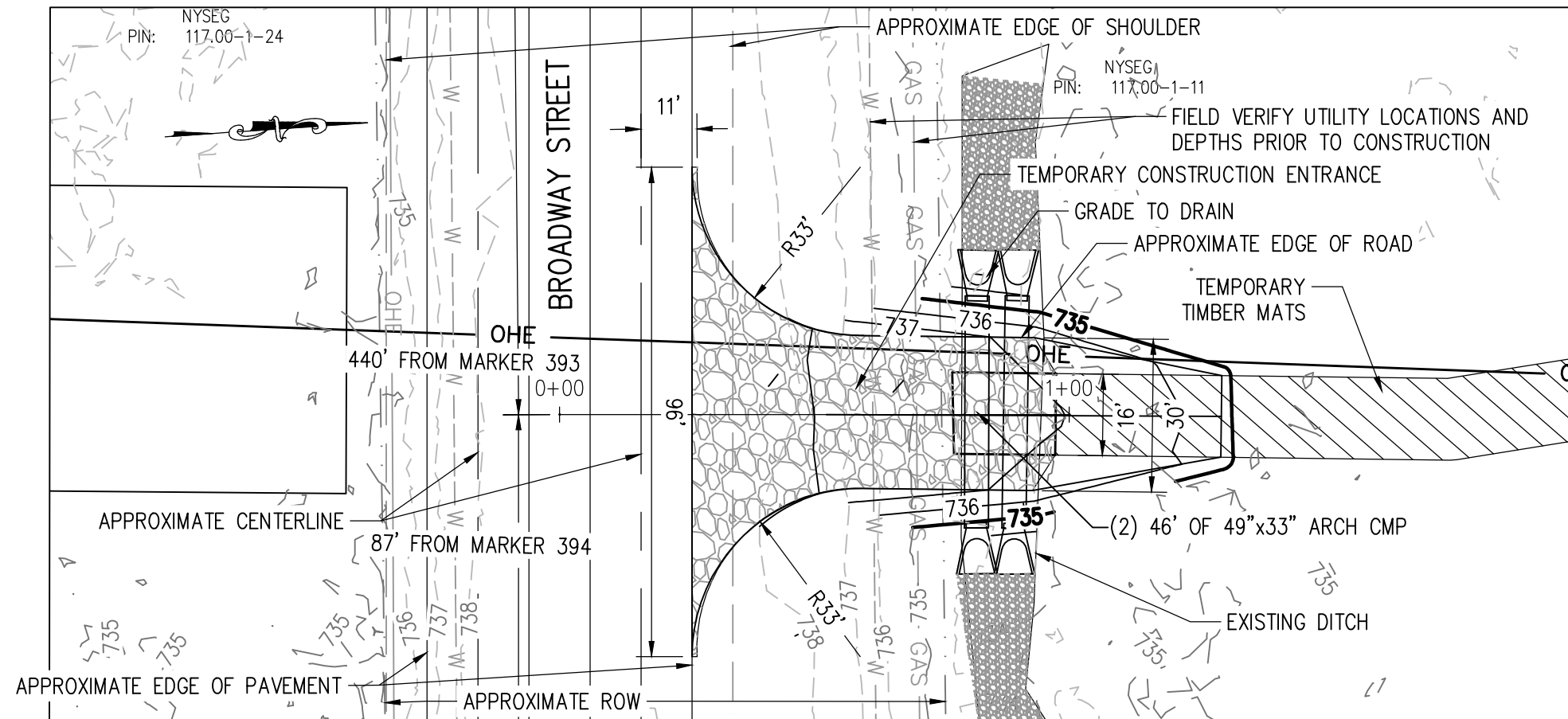
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 38-53.DWG LAST SAVED BY: nrfoster 9/3/2020 2:33 PM PLOTTED BY: Nolan R. Foster 9/3/2020 4:03 PM Tab:47 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 47 PLAN & PROFILE		DWG. NAME:	EST-D-P002-47	REV NO:	C



0 10FT 30FT 60FT
SCALE: 1"=30'

NOTES:

1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

ACCESS 49

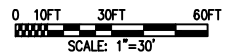
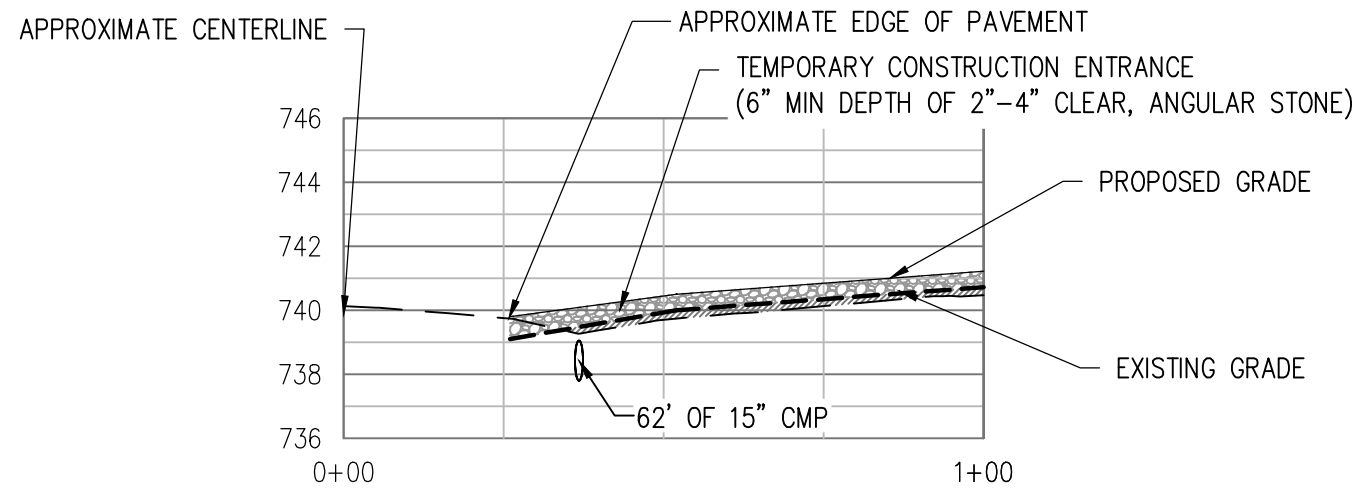
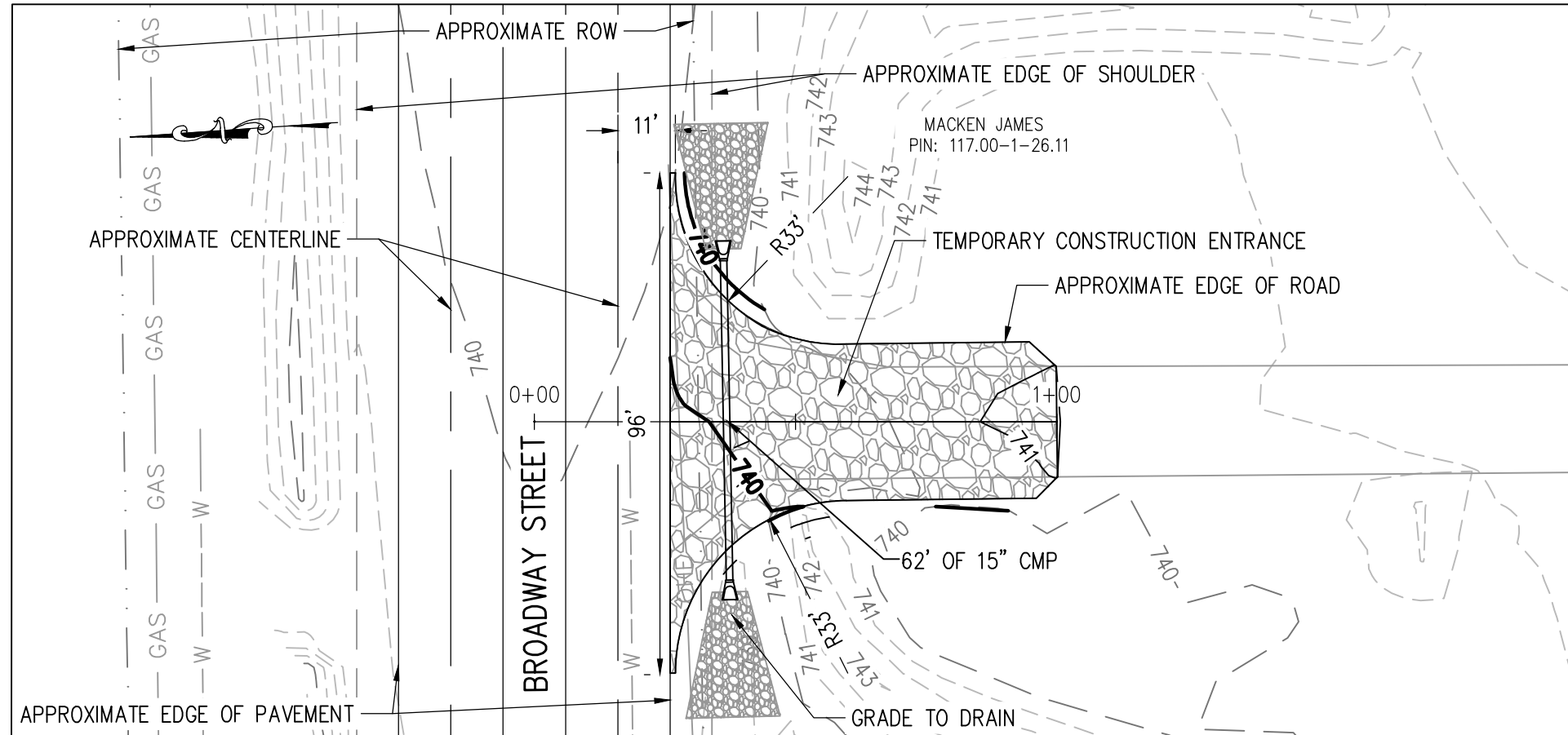
SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 38-53.DWG LAST SAVED BY: skcomposon 9/9/2020 12:56 PM PLOTTED BY: Nolan R. Foster 9/9/2020 2:23 PM Tab: 49 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE	
ENTRANCE PLANS	
ACCESS 49 PLAN & PROFILE	
DWG. NAME:	EST-D-P002-49
REV NO:	C



NOTES:

1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

ACCESS 50

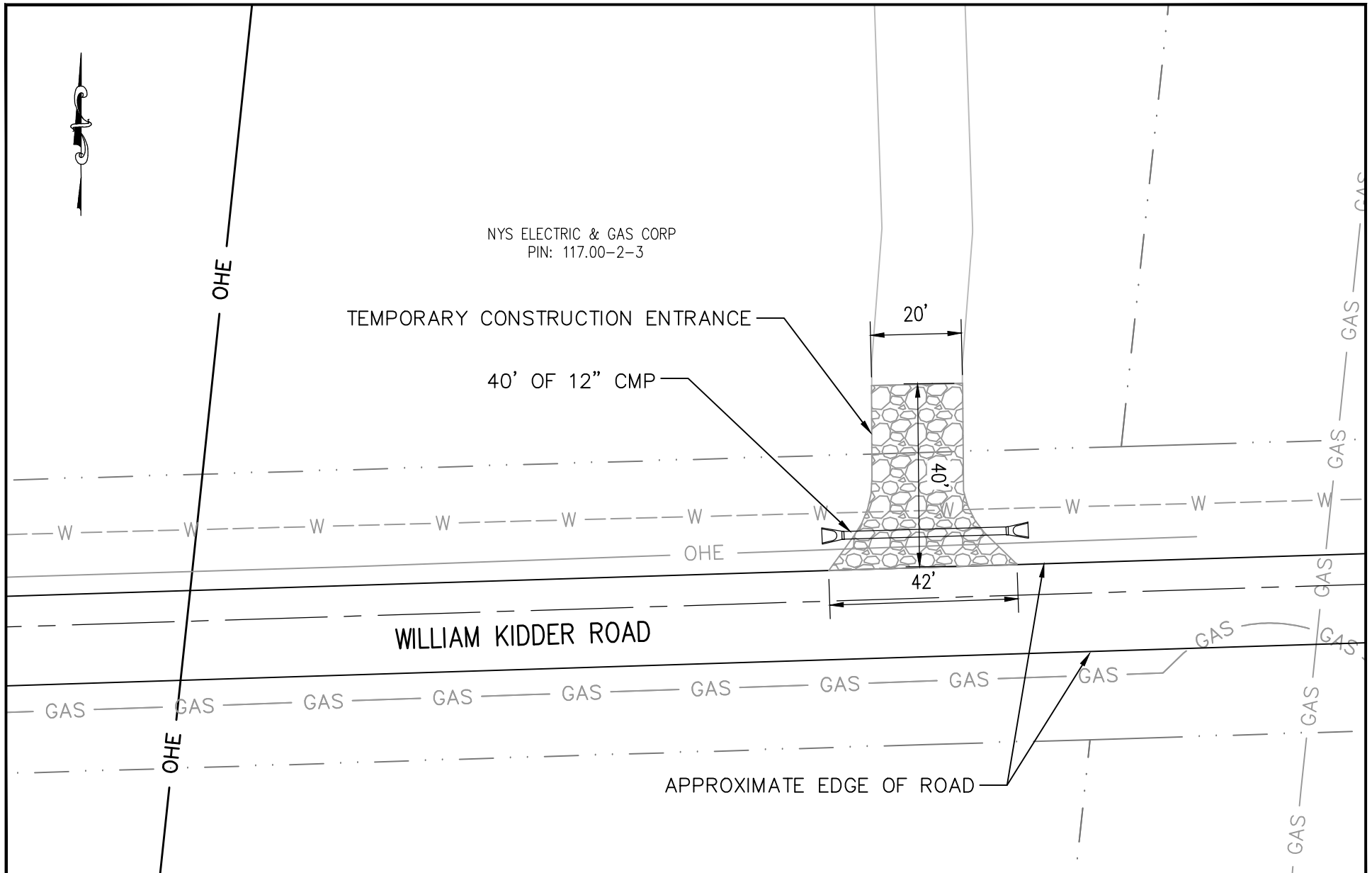
SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 38-53.DWG LAST SAVED BY: skcamposon 9/9/2020 3:04 PM PLOTTED BY: Nolan R. Foster 9/9/2020 3:51 PM Tab:50 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 50 PLAN & PROFILE		DWG. NAME:	EST-D-P002-50	REV NO:	C

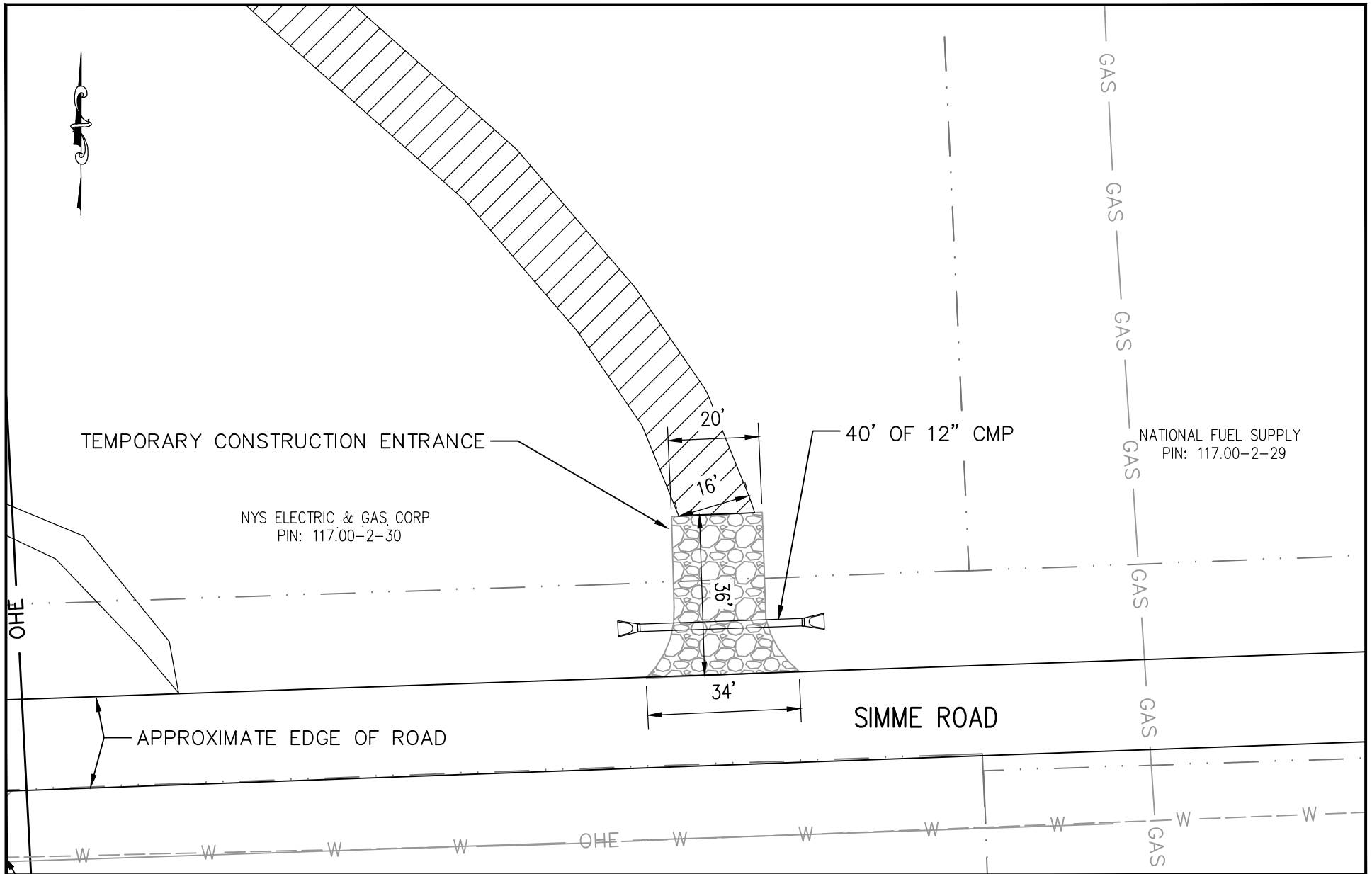


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 52-66 (UPDATED 2020-07-30).DWG LAST SAVED BY: skcomposon 8/13/2020 2:40 PM PLOTTED BY: Nolan R. Foster 9/3/2020 4:07 PM Tab:51 (WAS 55)

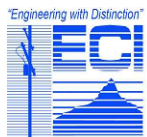


ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 51 PLAN		DWG. NAME:	EST-D-P002-51	REV NO:	C



FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 52-66 (UPDATED 2020-07-30).DWG LAST SAVED BY: skcamposon 8/13/2020 2:40 PM PLOTTED BY: Nolan R. Foster 9/3/2020 4:12 PM Tab:53 (WAS 57)

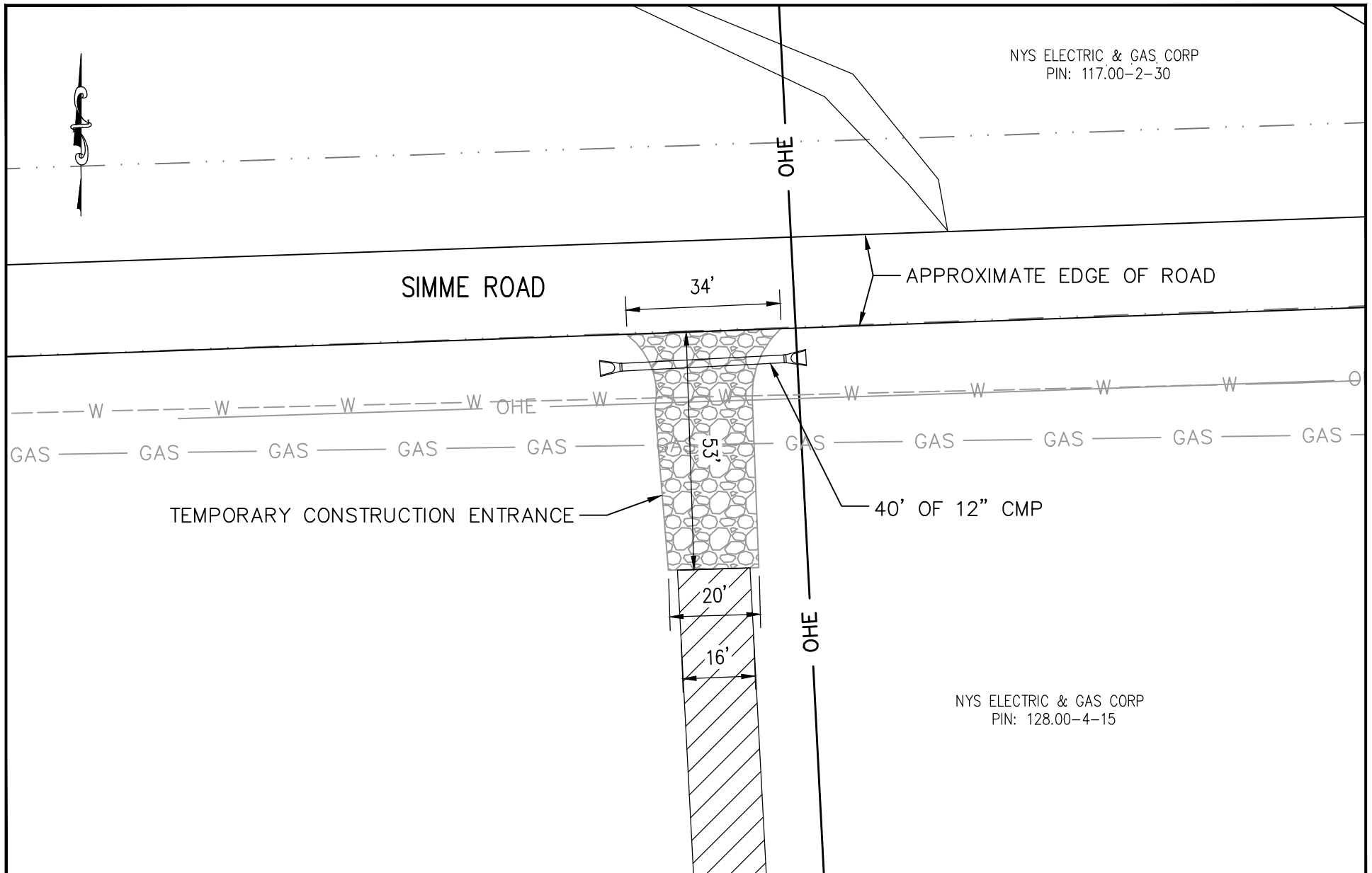


ECI ENGINEERING
SERVICES, P.C.



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 53 PLAN		DWG. NAME:	EST-D-P002-53	REV NO:	C

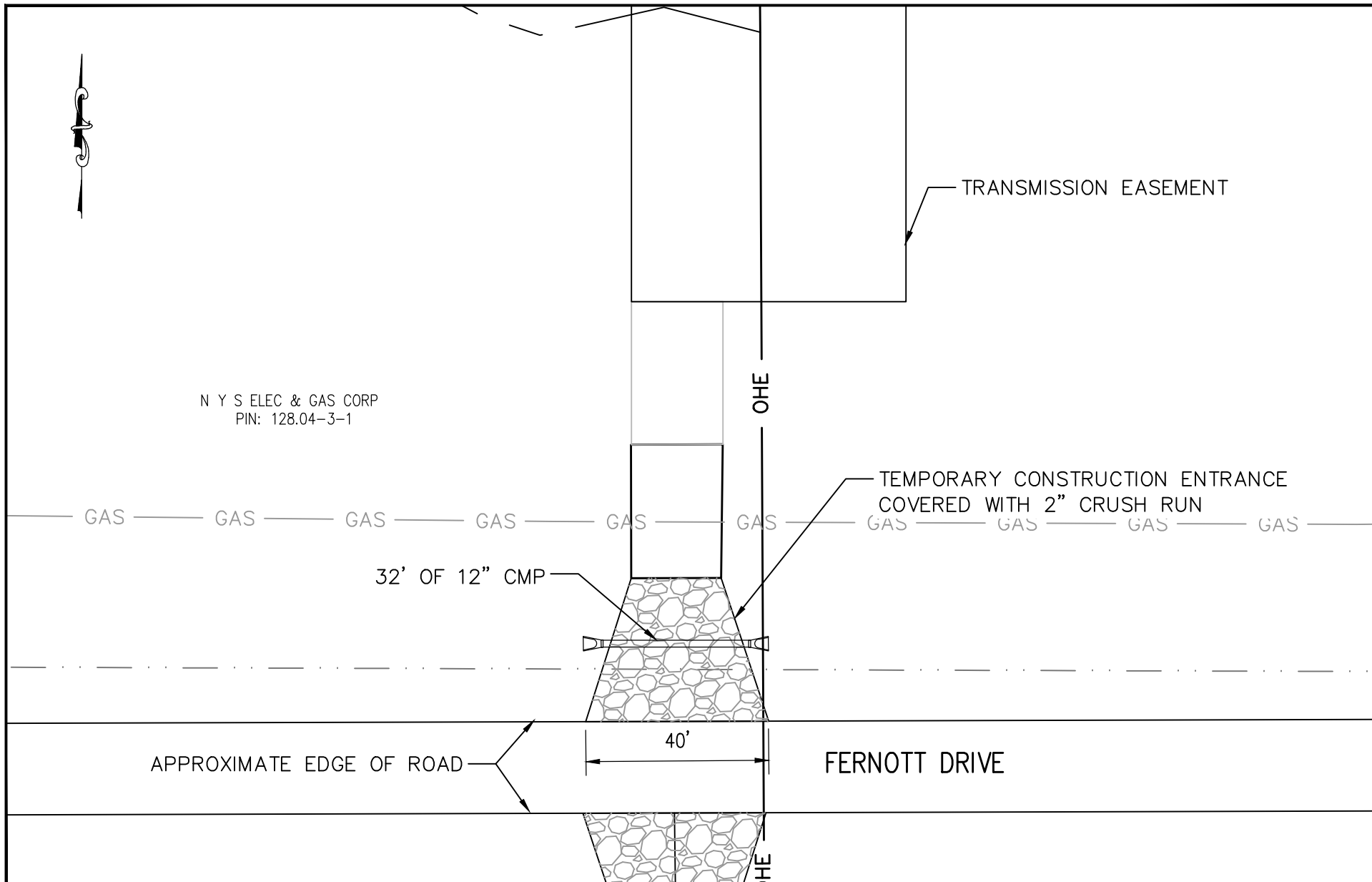


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 52-66 (UPDATED 2020-07-30).DWG LAST SAVED BY: skcamposan 8/13/2020 2:40 PM PLOTTED BY: Nolan R. Foster 9/3/2020 4:15 PM Tab:54 (WAS 58)



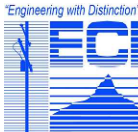
ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 54 PLAN	
DWG. NAME:	EST-D-P002-54
REV NO:	C



FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 52-66 (UPDATED 2020-07-30).DWG LAST SAVED BY: skcamposan 8/13/2020 2:40 PM PLOTTED BY: Nolan R. Foster 9/3/2020 4:16 PM Tab:55 (WAS 59)

Engineering with Distinction



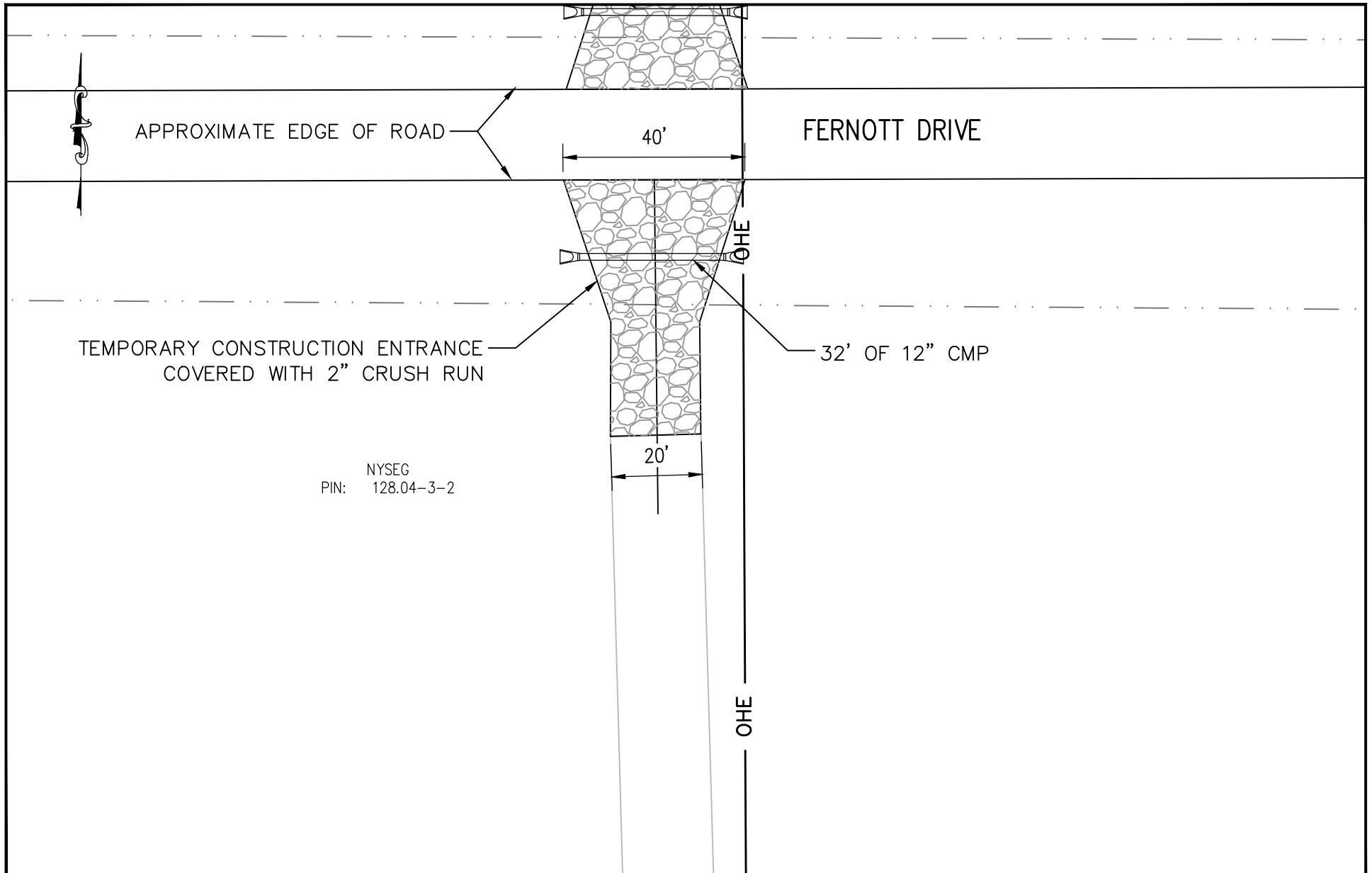
ECI ENGINEERING SERVICES, P.C.

NEXTERA™
ENERGY
 TRANSMISSION
 NEW YORK

ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

**EMPIRE STATE LINE
 ENTRANCE PLANS
 ACCESS 55 PLAN**

DWG. NAME: **EST-D-P002-55** REV NO: **C**

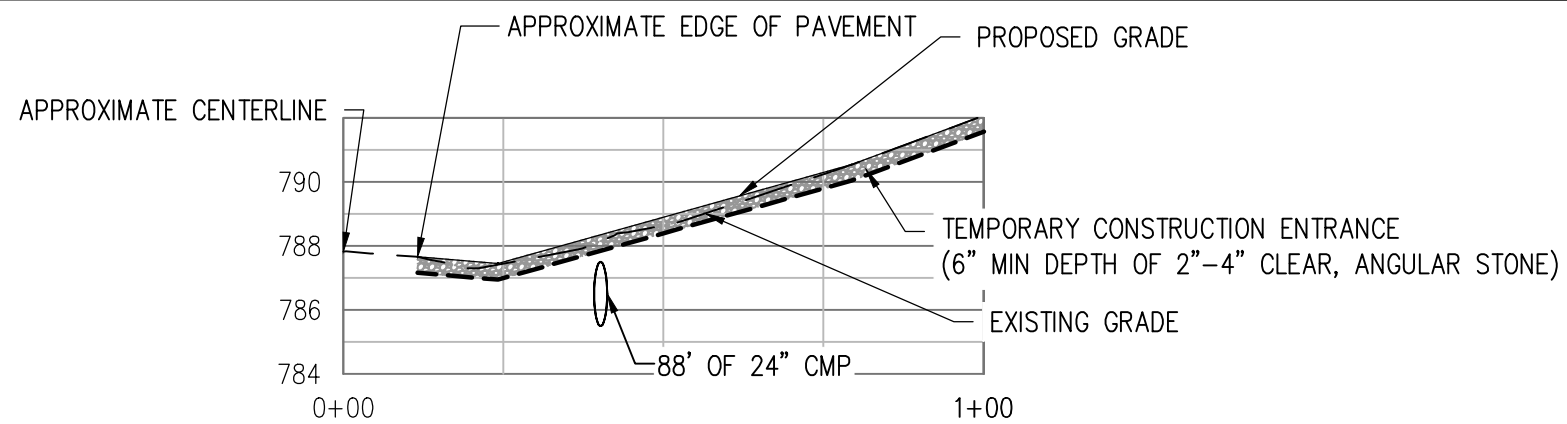
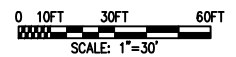
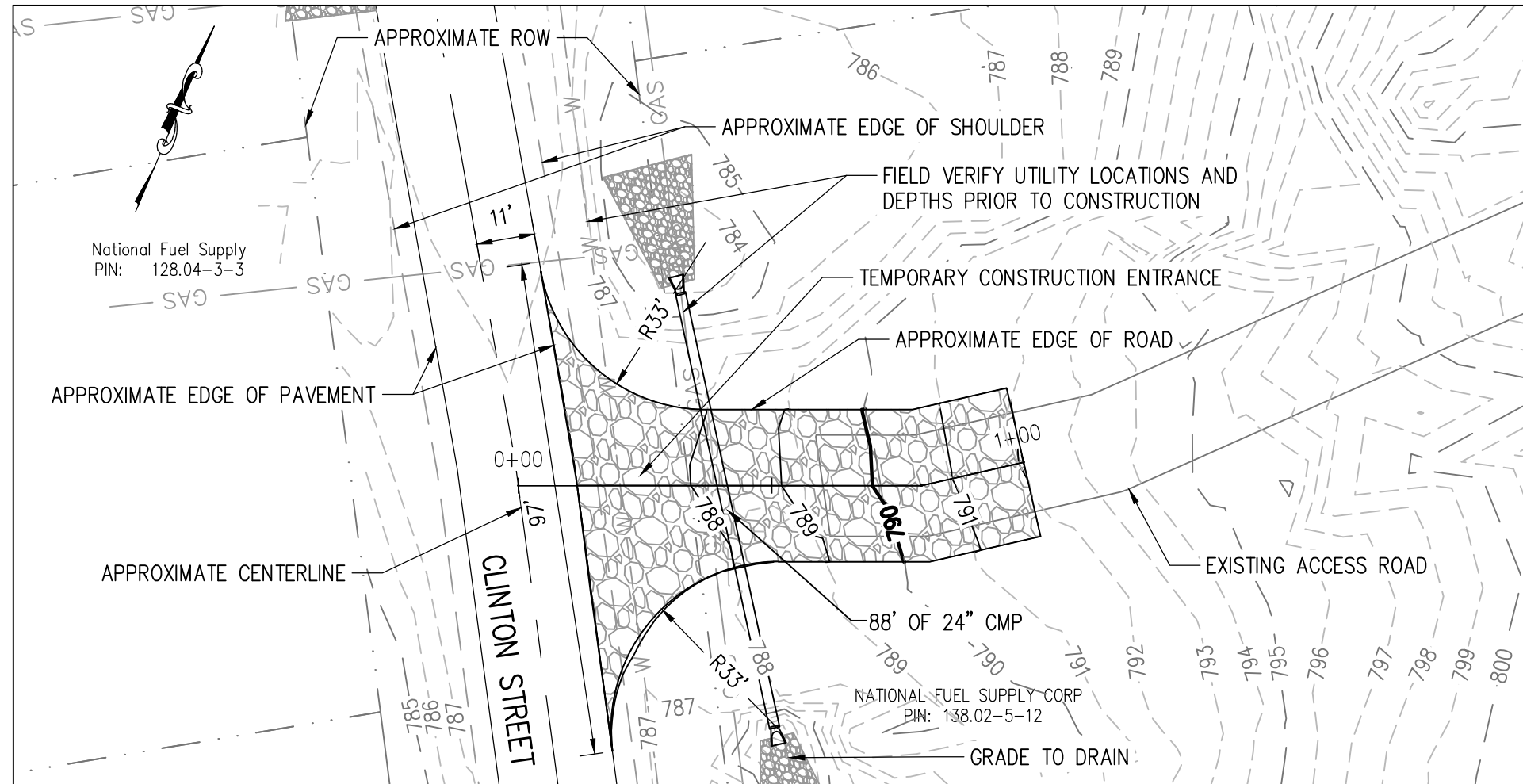


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 52-66 (UPDATED 2020-07-30).DWG LAST SAVED BY: skcamposan 8/13/2020 2:40 PM PLOTTED BY: Nolan R. Foster 9/3/2020 4:17 PM Tab:56 (WAS 60)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 56 PLAN	
DWG. NAME:	EST-D-P002-56
REV NO:	C



ACCESS 57

SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

NOTES:

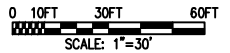
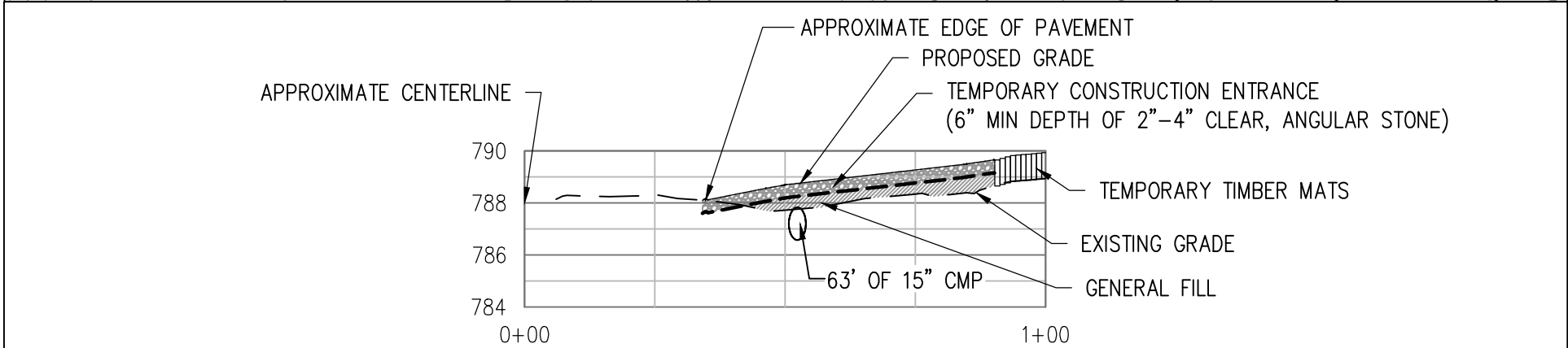
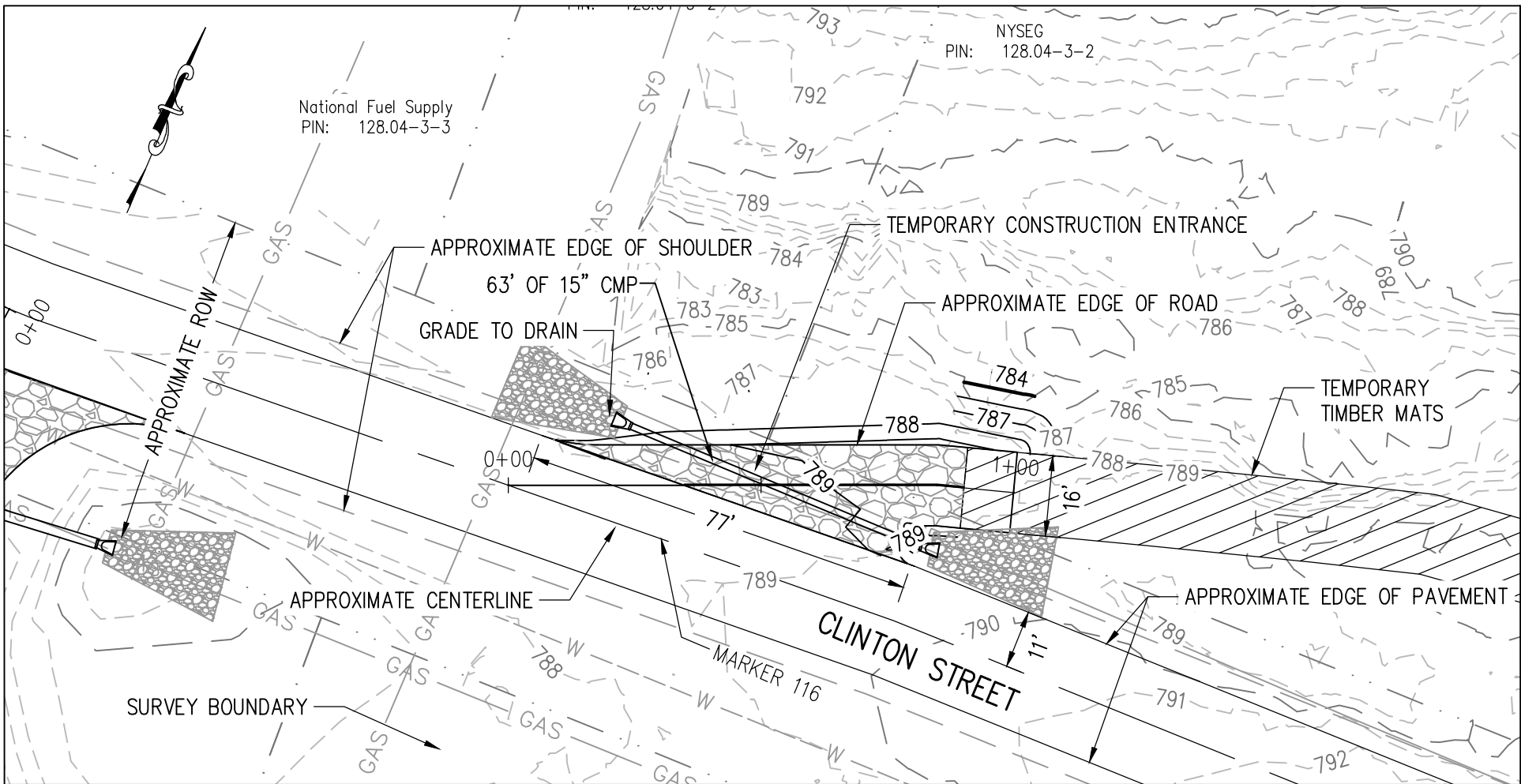
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 54-68.DWG LAST SAVED BY: skcomposon 9/9/2020 1:30 PM PLOTTED BY: Steven K. Camposon 9/9/2020 3:07 PM Tab: 57 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 57 PLAN & PROFILE		DWG. NAME:	EST-D-P002-57	REV NO:	C



- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

ACCESS 58

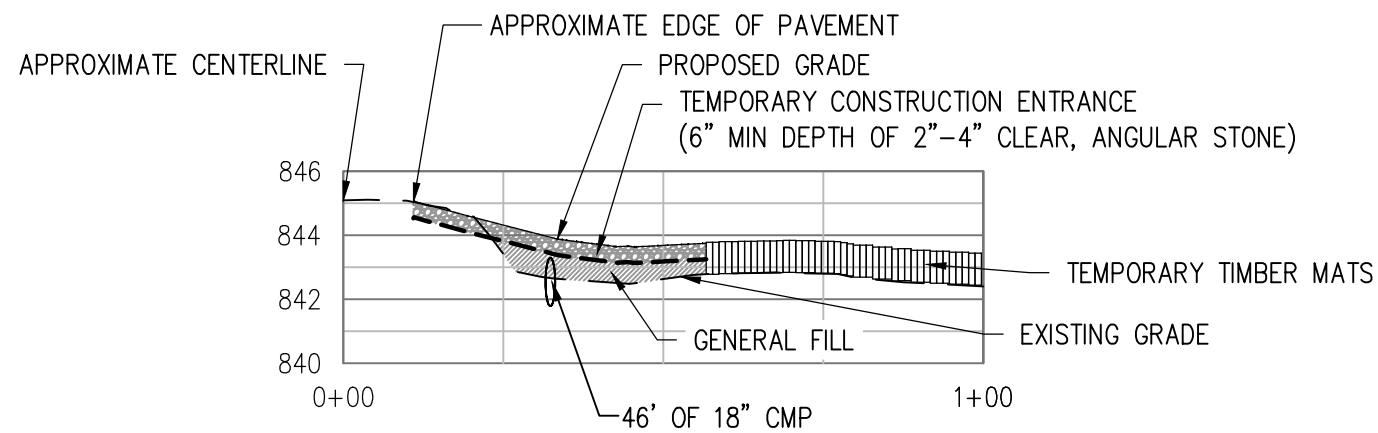
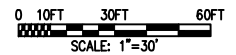
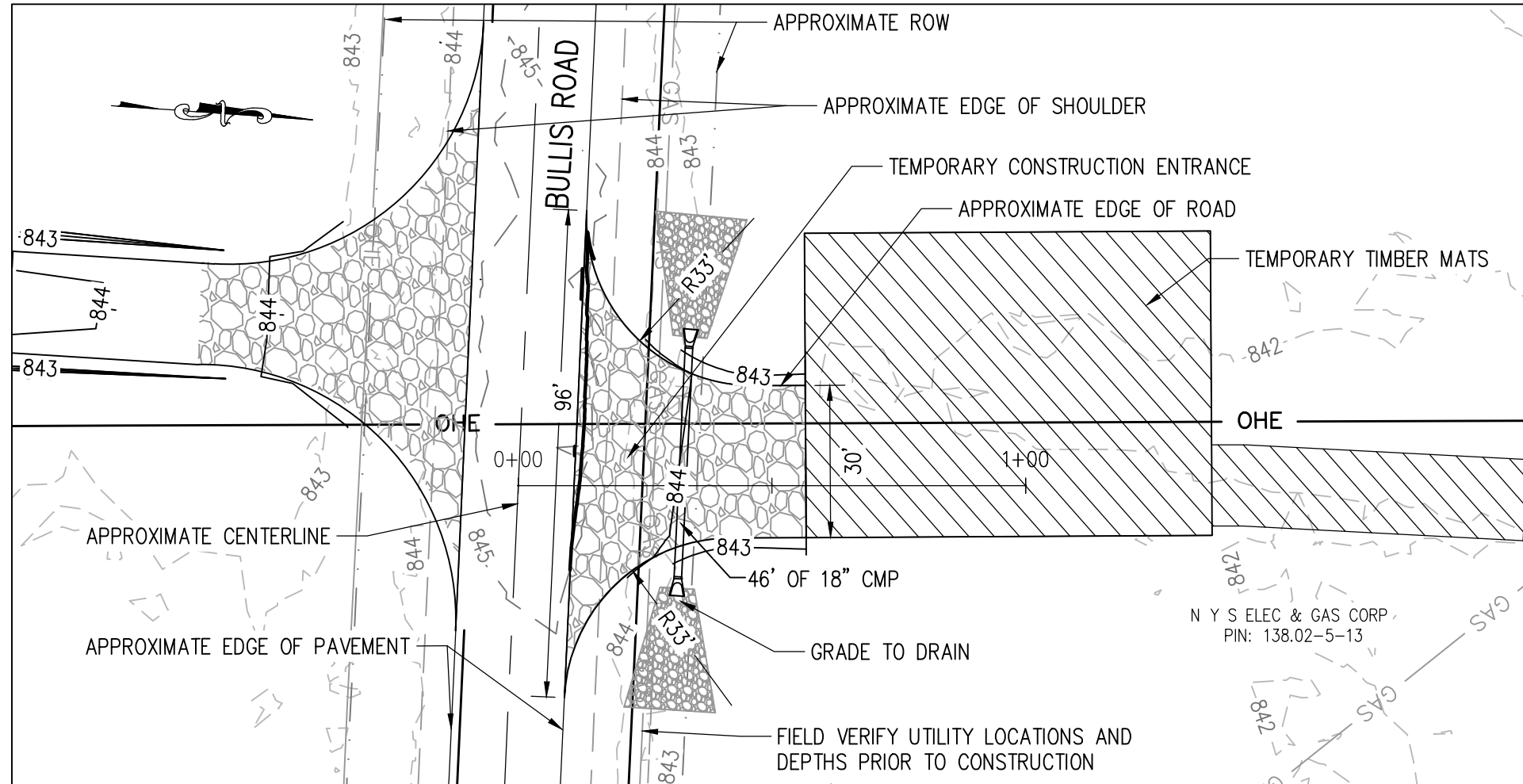
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1"= 6' VERTICAL

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 54-68.DWG LAST SAVED BY: nrfoster 9/3/2020 12:13 PM PLOTTED BY: Nolan R. Foster 9/3/2020 4:19 PM Tab:58 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 58 PLAN & PROFILE		DWG. NAME:	EST-D-P002-58	REV NO:	C



ACCESS 59

SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

NOTES:

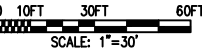
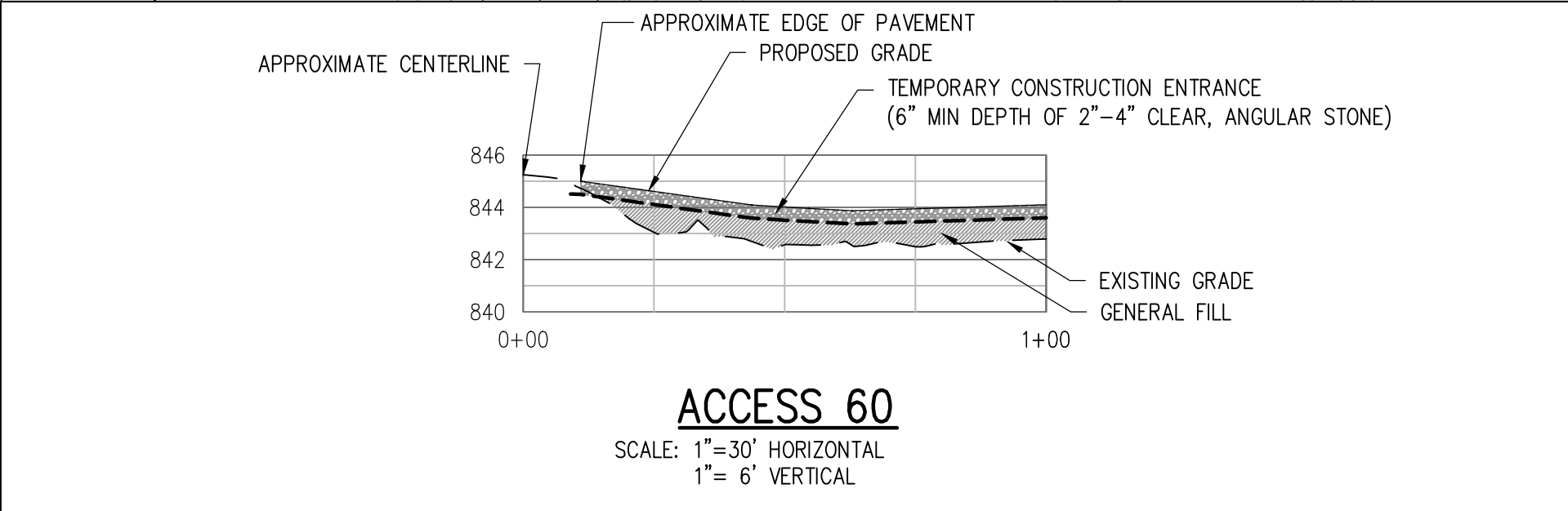
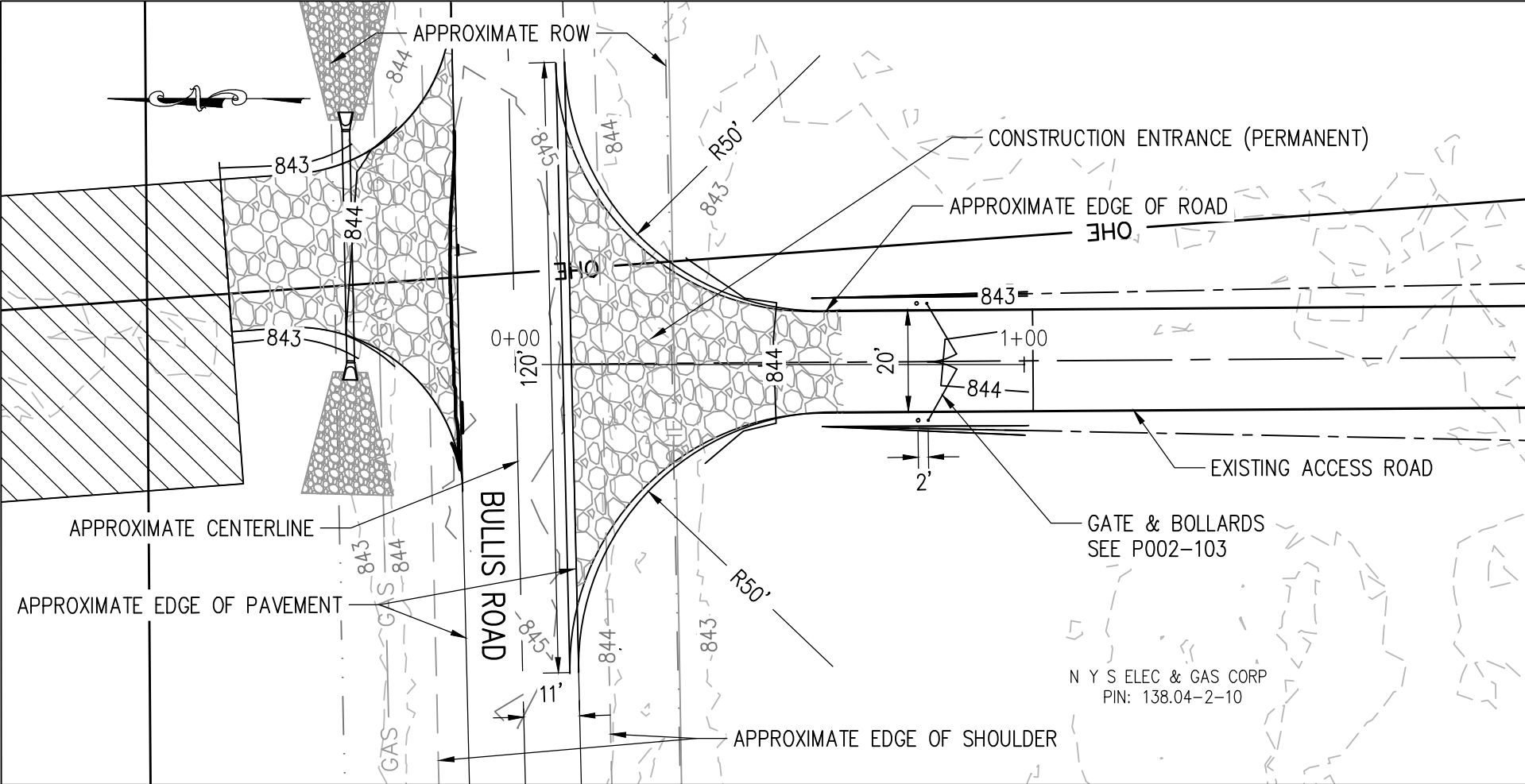
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 54-68.DWG LAST SAVED BY: nrfoster 9/3/2020 12:13 PM PLOTTED BY: Nolan R. Foster 9/3/2020 4:20 PM Tab: 59 (11x17)



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 59 PLAN & PROFILE	
DWG. NAME: EST-D-P002-59	REV NO: C



ACCESS 60

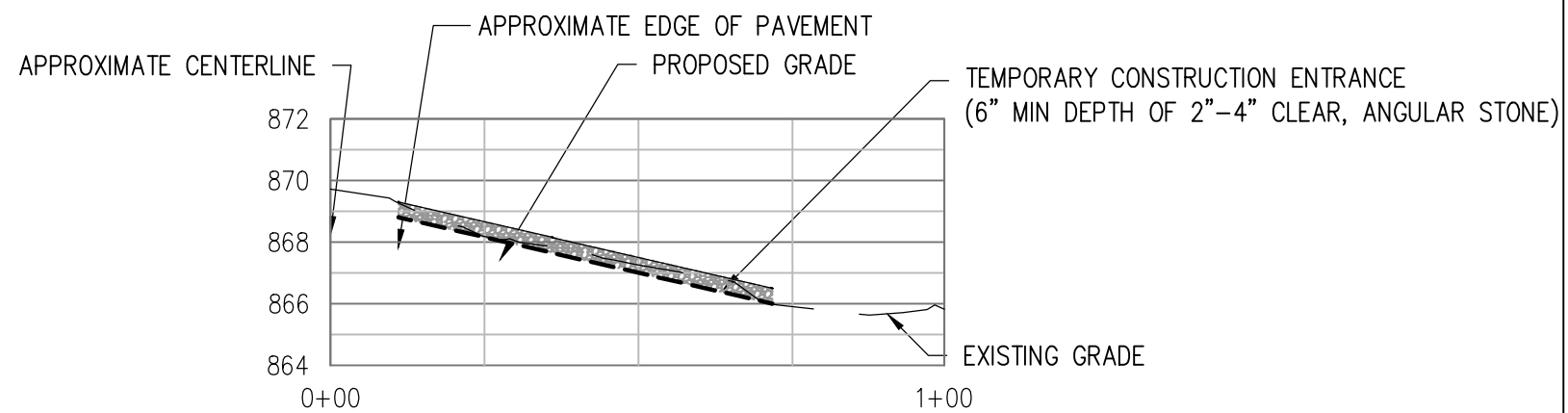
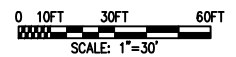
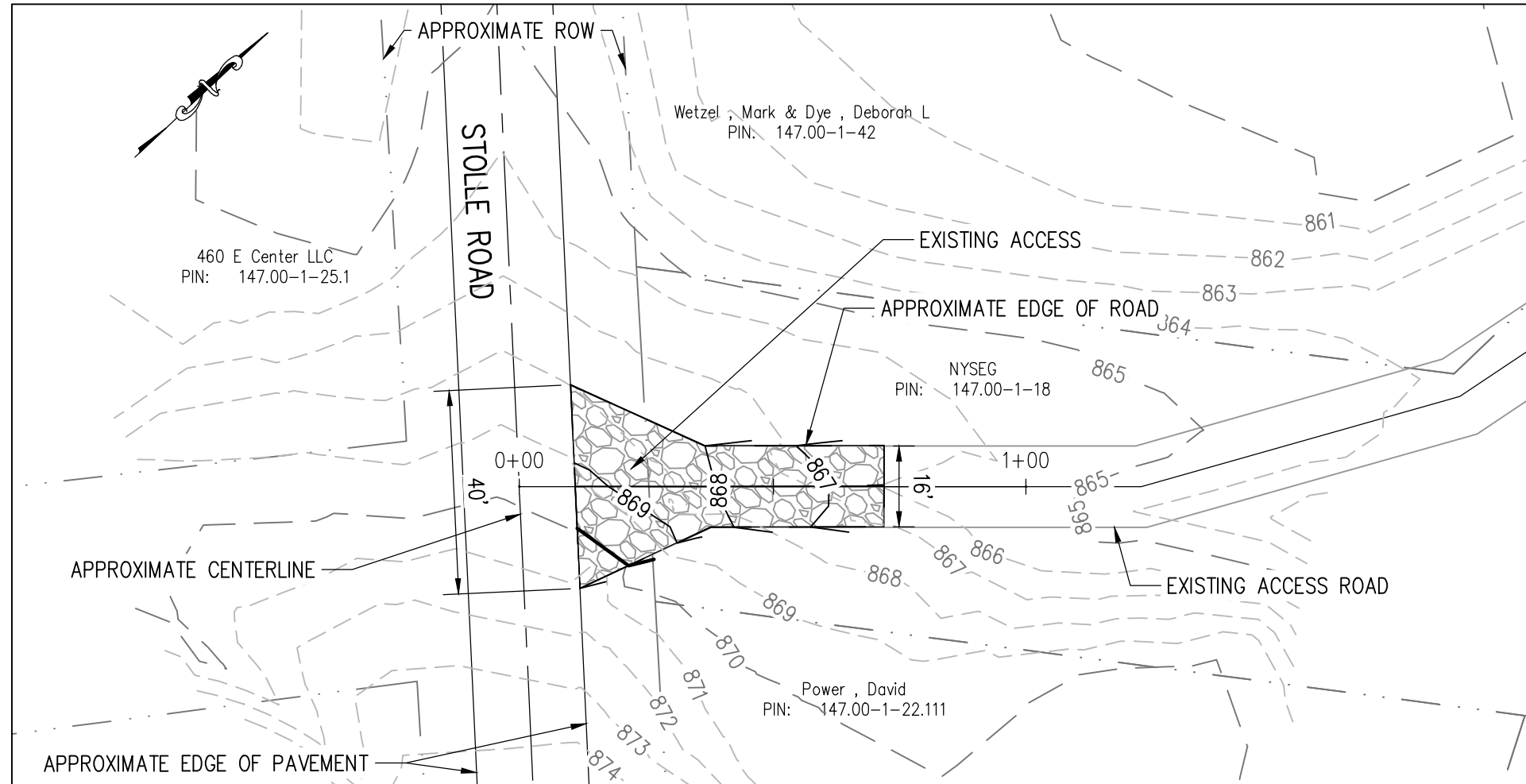
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ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 60 PLAN & PROFILE		
DWG. NAME:	EST-D-P002-60	REV NO: C



ACCESS 61

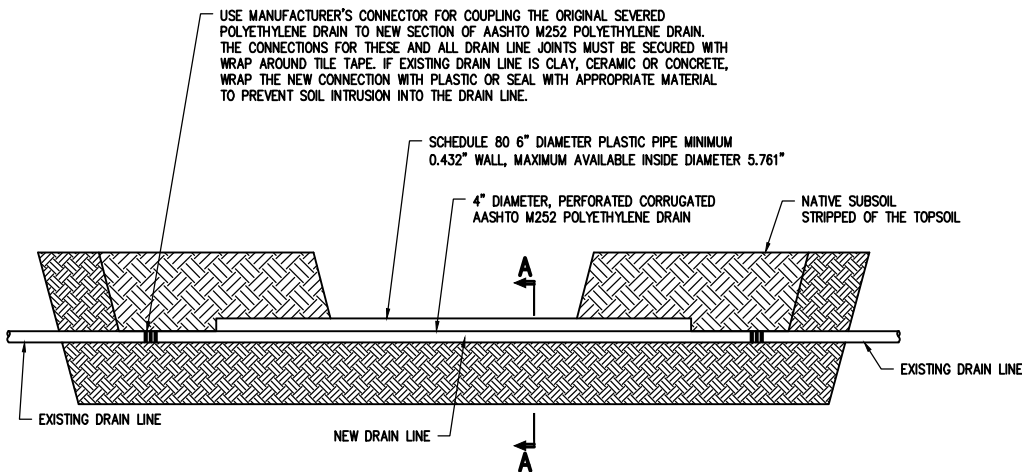
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1"= 6' VERTICAL

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 54-68.DWG LAST SAVED BY: skcomposon 9/9/2020 3:22 PM PLOTTED BY: Steven K. Composon 9/9/2020 3:24 PM Tab:61 (11x17)hold



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 61 PLAN & PROFILE		DWG. NAME:	EST-D-P002-61	REV NO:	C



DRAINAGE TILE	DRAINAGE TILE
3" TO 5"	6" PIPE
6" TO 8"	8" PIPE
8" TO 10"	10" PIPE
10" TO 12"	12" PIPE
12" TO 14"	W12 x 14
14" TO 16"	W16 x 26
16" TO 18"	W18 x 46

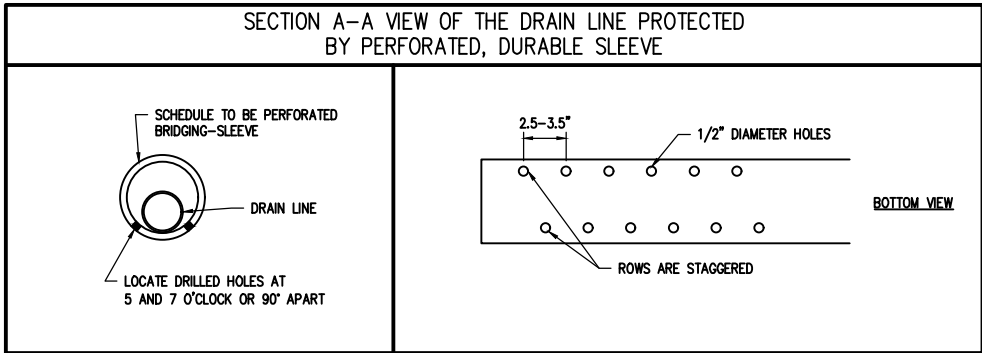
NOTE:
TOP SOIL TO BE REPLACED AND AREA STABILIZED AFTER DRAINAGE LINE REPAIRS COMPLETE.

AASHTO M252 SINGLE WALL, CORRUGATED, PERFORATED (SLOTTED) POLYETHYLENE DRAIN LINE

NOMINAL SIZE (INCHES)	OUTSIDE DIAMETER (INCHES)
4	4.7100
6	7
8	9.9000
10	11.9000
12	14.4100
15	17.7000

PVC SCHEDULE 80 PIPE FOR BRIDGING SLEEVES			
NOMINAL SIZE (INCHES)	AVERAGE O.D. (INCHES)	MAXIMUM WALL THICKNESS (INCHES)	MAXIMUM AVAILABLE I.D. (INCHES)
4	4.5000	0.3370	3.8260
6	6.6250	0.4320	5.7610
8	8.6250	0.5000	7.6250
10	10.7500	0.5930	9.5640
12	12.7500	0.6870	11.3760

ORIGINAL		REVISIONS	
DATE	REV.	DATE	
DESIGNED	1		
CHECKED	2		
DRAWN	3		
CHECKED	4		
REVIEWED	5		
APPROVED	6		
	7		



- NOTES:
1. THE BRIDGING-SLEEVE REPAIR IS VERTICALLY POSITIONED ACROSS THE TRENCH SO IT MAINTAINS THE GRAVITY-FLOW GRADIENT OF THE ORIGINAL DRAIN TILE.
 2. BOTH OF THE RECONNECTIONS MAY BE LOCATED PHYSICALLY OUTSIDE OF THE BRIDGING-SLEEVE (LEFT) OR INSIDE THE SLEEVE (RIGHT) AFTER SLIDING IT OVER THE REPAIR.

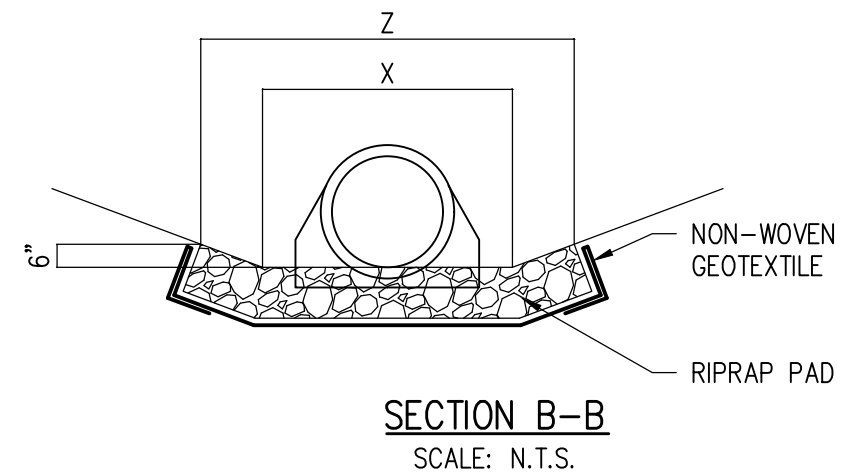
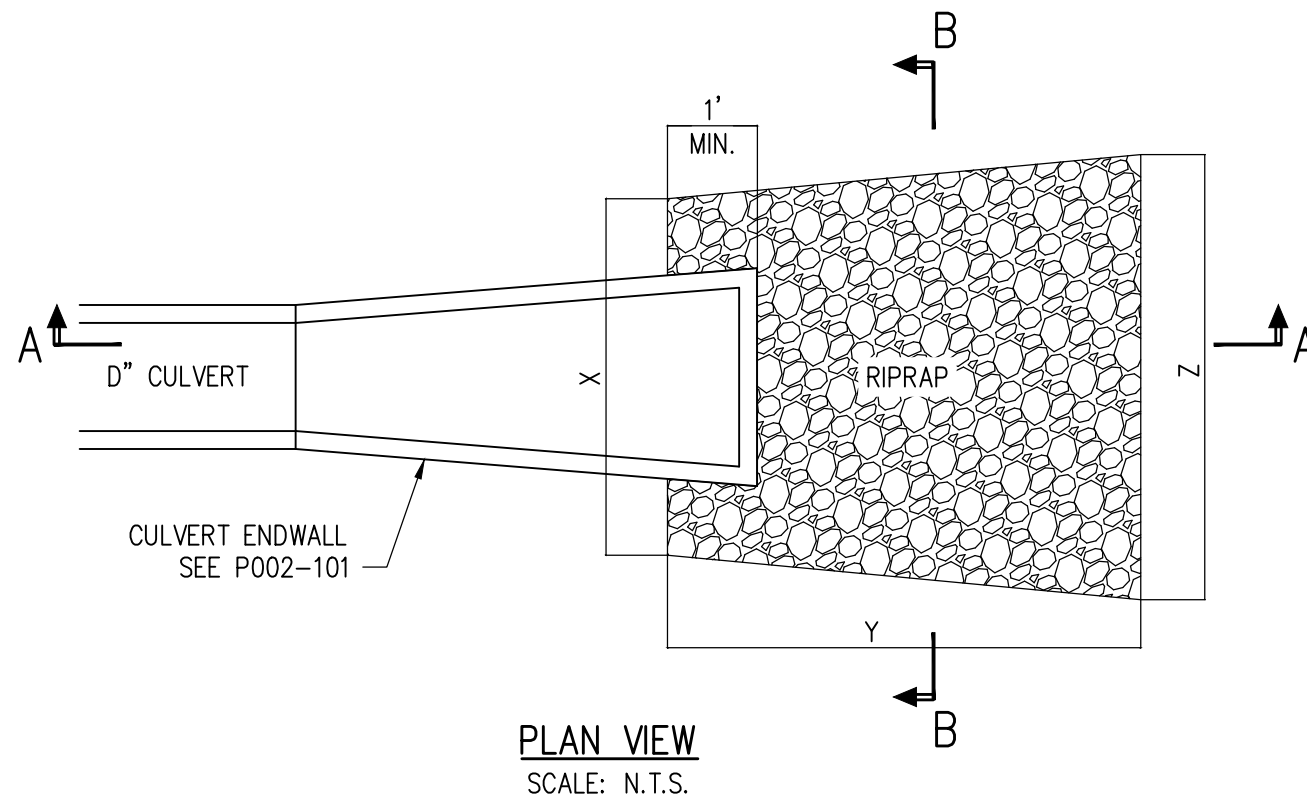
ORIGINAL		REVISIONS	
DATE	REV.	DATE	
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CHECKED	2		
DRAWN	3		
CHECKED	4		
REVIEWED	5		
APPROVED	6		
	7		



NO	REVISION	DATE	BY	APR
A	XXX	XX/XX/XX	XXX	XXX

ENGINEERING RECORD		DATE
DRAWN	T. WILCOX	08/14/20
DESIGNED		
CHECKED		
APPROVED		
DWG SCALE: NONE	PLT SCALE: 1:1	

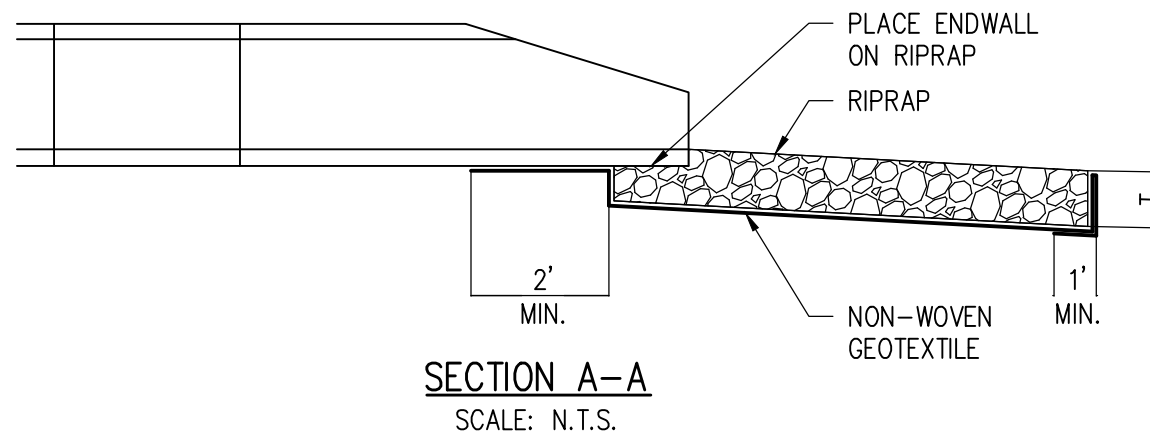
EMPIRE STATE TRANSMISSION LINE		
DRAIN TILE REPAIR TYPICAL		
DWG. NAME:	EST-B-P002-62	REVISION NO : A



DIMENSION TABLE					
D	X	Y	Z	T	D ₅₀
15"	4.5'	16'	18'	18"	9"
18"	4.5'	16'	18'	18"	9"
24"	6'	20'	22'	24"	18"
49"x33" ARCH	10.5'	30'	33.5'	24"	18"

NOTES:

1. CULVERTS GREATER THAN 18" IN DIAMETER SHALL HAVE SAFETY GRATES AS SHOWN ON P002-102.
2. WHERE CULVERTS ARE PLACED IN DITCHES, RIPRAP SHALL CONFORM TO SHAPE OF DITCH.

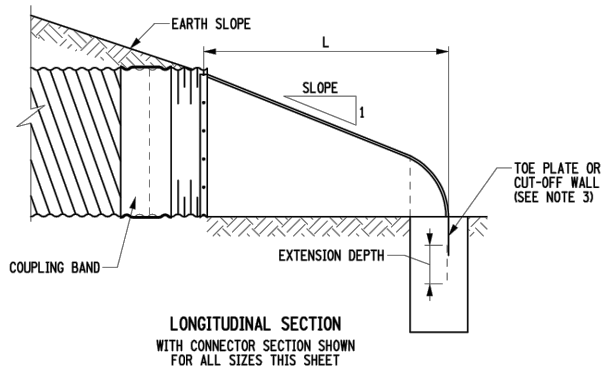
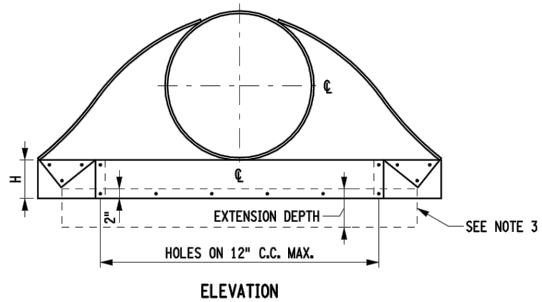
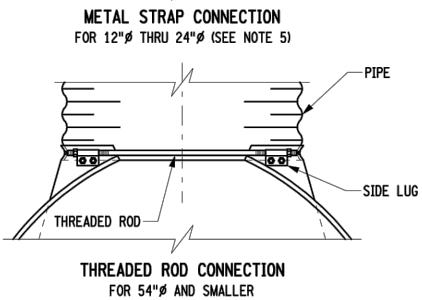
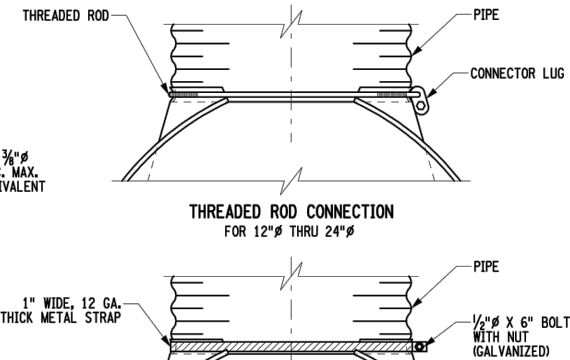
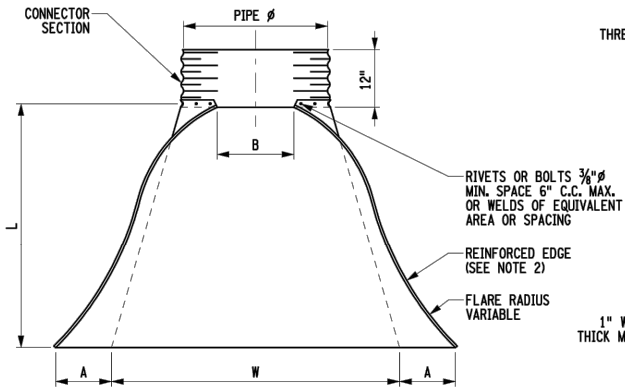


CULVERT DETAIL
SCALE: NONE

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 DETAILS-NEW.DWG LAST SAVED BY: nrfoster 9/4/2020 9:32 AM PLOTTED BY: Nolan R. Foster 9/4/2020 9:32 AM Tab:P002-100

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DATE/TIME = 06-NOV-2008 15:00
USER = jturley

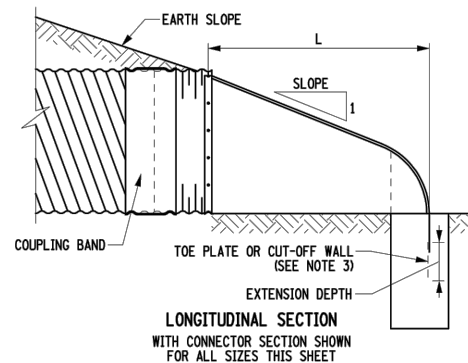
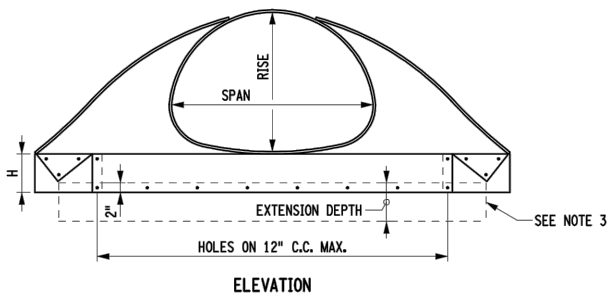
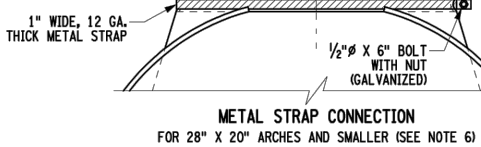
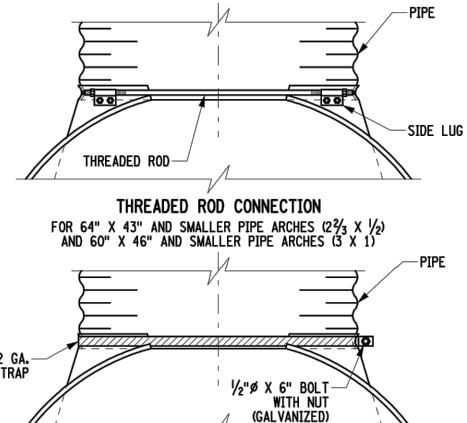
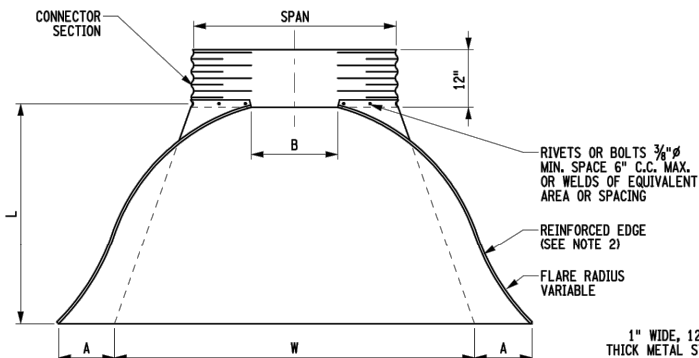
CORRUGATED METAL PIPE										
PIPE DIA.	END SECTION GAUGE AND DIMENSIONS						APPROX. SLOPE	BODY PIECES (NOTE 4)	TOE PLATE EXTENSION	
	GAUGE	A 1"±	B 1"±	H 1"±	L 1 1/2"±	W 2"±			DEPTH	LENGTH 2"±
12"	16	6"	6"	6"	21"	24"	2-1/2	1 OR 2	8"	34"
15"	16	7"	8"	6"	26"	30"	2-1/2	1 OR 2	8"	40"
18"	16	8"	10"	6"	31"	36"	2-1/2	1 OR 2	8"	46"
21"	16	9"	12"	6"	36"	42"	2-1/2	1 OR 2	8"	52"
24"	16	10"	13"	6"	41"	48"	2-1/2	1 OR 2	8"	58"
30"	14	12"	16"	8"	51"	60"	2-1/2	1 OR 2	8"	70"
36"	14	14"	19"	9"	60"	72"	2-1/2	1 OR 2	8"	82"
42"	12	16"	22"	11"	69"	84"	2-1/2	1 OR 2	8"	104"
48"	12	18"	27"	12"	78"	90"	2-1/4	1, 2 OR 3	8"	110"
54"	12	18"	30"	12"	84"	102"	2	1, 2 OR 3	8"	122"
60"	12	18"	33"	12"	87"	114"	1-3/4	3	12"	134"
66"	12	18"	36"	12"	87"	120"	1-1/2	3	12"	140"
72"	12	18"	39"	12"	87"	126"	1-1/3	3	12"	146"
78"	12	18"	42"	12"	87"	132"	1-1/4	3	12"	152"
84"	12	18"	45"	12"	87"	138"	1-1/6	3	12"	158"
90"	12	24"	37"	12"	87"	144"	1-1/2	3	12"	164"
96"	12	25"	35"	12"	87"	150"	1-1/2	3	12"	170"



NOTES:

- ALL PIPES AND PIPE ARCHES WHOSE DIMENSIONS ARE LARGER THAN THOSE LISTED BELOW SHALL HAVE 12 GA. SIDES AND 10 GA. CENTER PANELS: PIPES - 54", PIPE ARCHES - 64" X 43" (2 1/2 X 1 1/2), 60" X 46" (3 X 1 OR 5 X 1). PIPES AND PIPE ARCHES WHOSE DIMENSIONS ARE EQUAL TO OR SMALLER THAN THOSE LISTED ABOVE, WHICH ARE ALLOWED TO BE ASSEMBLED FROM 3 PIECES, SHALL HAVE 12 GA. SIDES AND 10 GA. CENTER PANELS.
- REINFORCED EDGES SHALL BE SUPPLEMENTED WITH STIFFENER ANGLES FOR THE FOLLOWING PIPES AND PIPE ARCHES: PIPES - 60" OR LARGER, PIPE ARCHES - 77" X 52" (2 1/2 X 1 1/2), 73" X 55" (3 X 1 OR 5 X 1). THE ANGLES SHALL BE THE SAME BASE METAL AS THE END SECTION AND SHALL BE 2" X 2" X 1/4" FOR 60" THRU 72" DIAMETERS AND 2 1/2" X 2 1/2" X 1/4" FOR 78" Ø AND LARGER. THE ANGLES SHALL BE ATTACHED BY 3/8" Ø GALVANIZED NUTS AND BOLTS. PIPE ARCHES EQUAL TO OR LARGER THAN 77" X 52" (2 1/2 X 1 1/2), 73" X 55" (3 X 1 OR 5 X 1) SHALL HAVE REINFORCEMENT PLACED UNDER THE CENTER PANEL SEAMS.
- A TOE PLATE EXTENSION SHALL BE SUPPLIED WHEN SPECIFIED IN DRAINAGE STRUCTURE TABLE. THE TOE PLATE EXTENSION SHALL BE THE SAME BASE METAL AS THE END SECTION AND SHALL BE FASTENED TO THE END SECTION WITH 3/8" Ø BOLTS. A CUT-OFF WALL SHALL BE POURED IF INDICATED IN THE CONTRACT DOCUMENTS. PAYMENT WILL BE MADE UNDER APPROPRIATE CONTRACT ITEMS. REFER TO STANDARD SHEET "CUT-OFF WALLS FOR END SECTIONS".
- FOR PIPES AND PIPE ARCHES WITH 3 PIECE BODIES, THE WIDTH OF THE CENTER PANEL SHALL BE GREATER THAN 20% OF THE PIPE PERIPHERY. MULTIPLE PANEL BODIES SHALL HAVE LAP SEAMS WHICH SHALL BE TIGHTLY JOINED BY 3/8" Ø GALVANIZED RIVETS OR BOLTS.
- THE CONTRACTOR SHALL HAVE THE OPTION OF SUPPLYING EITHER A THREADED ROD CONNECTION OR METAL STRAP CONNECTION.
- THE CONTRACTOR SHALL HAVE THE OPTION OF SUPPLYING EITHER A THREADED ROD CONNECTION OR A METAL STRAP CONNECTION FOR 17" X 13" THRU 28" X 20" PIPE ARCHES (2 1/2 X 1 1/2) ONLY.

CORRUGATED METAL PIPE ARCH											
2 3/4" X 1/2" CORRUGATION	3" X 1" OR 5" X 1" CORRUGATION	END SECTION GAUGE AND DIMENSIONS						APPROX. SLOPE	BODY PIECES (NOTE 4)	TOE PLATE EXTENSION	
SPAN AND RISE	SPAN AND RISE	GAUGE	A 1"±	B 1"±	H 1"±	L 1 1/2"±	W 2"±			DEPTH	LENGTH 2"±
17" X 13"		16	7"	9"	6"	19"	30"	2-1/2	1 OR 2	8"	40"
21" X 15"		16	7"	10"	6"	23"	36"	2-1/2	1 OR 2	8"	46"
24" X 18"		16	8"	12"	6"	28"	42"	2-1/2	1 OR 2	8"	52"
28" X 20"		16	9"	14"	6"	32"	48"	2-1/2	1 OR 2	8"	58"
35" X 24"		14	10"	16"	6"	39"	54"	2-1/2	1 OR 2	8"	70"
42" X 29"		14	12"	18"	8"	46"	75"	2-1/2	1 OR 2	8"	85"
49" X 33"		12	13"	21"	9"	53"	85"	2-1/2	1 OR 2	8"	105"
57" X 38"		12	18"	26"	12"	63"	90"	2-1/2	1, 2 OR 3	8"	110"
64" X 43"	60" X 46"	12	18"	30"	12"	70"	102"	2-1/4	1, 2 OR 3	8"	122"
71" X 47"	66" X 51"	12	18"	33"	12"	77"	114"	2-1/4	3	8"	134"
77" X 52"	73" X 55"	12	18"	36"	12"	77"	126"	2	3	12"	146"
83" X 57"	81" X 59"	12	18"	39"	12"	77"	138"	2	3	12"	158"
	87" X 63"	12	22"	38"	12"	77"	148"	1-1/2	3	12"	168"
	95" X 67"	12	22"	34"	12"	77"	162"	1-1/2	3	12"	182"
	103" X 71"	12	22"	38"	12"	77"	174"	1-1/2	3	12"	194"
	112" X 75"	12	24"	40"	12"	77"	174"	1-1/2	3	12"	194"



STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION	
U.S. CUSTOMARY STANDARD SHEET	
ALUMINUM AND STEEL END SECTIONS FOR CORRUGATED PIPE AND PIPE ARCH	
APPROVED OCTOBER 01, 2008	ISSUED UNDER EB 08-036
/S/ ROBERT L. SACK, P.E. DEPUTY CHIEF ENGINEER (TECHNICAL SERVICES)	603-02

EFFECTIVE DATE: 01/08/09

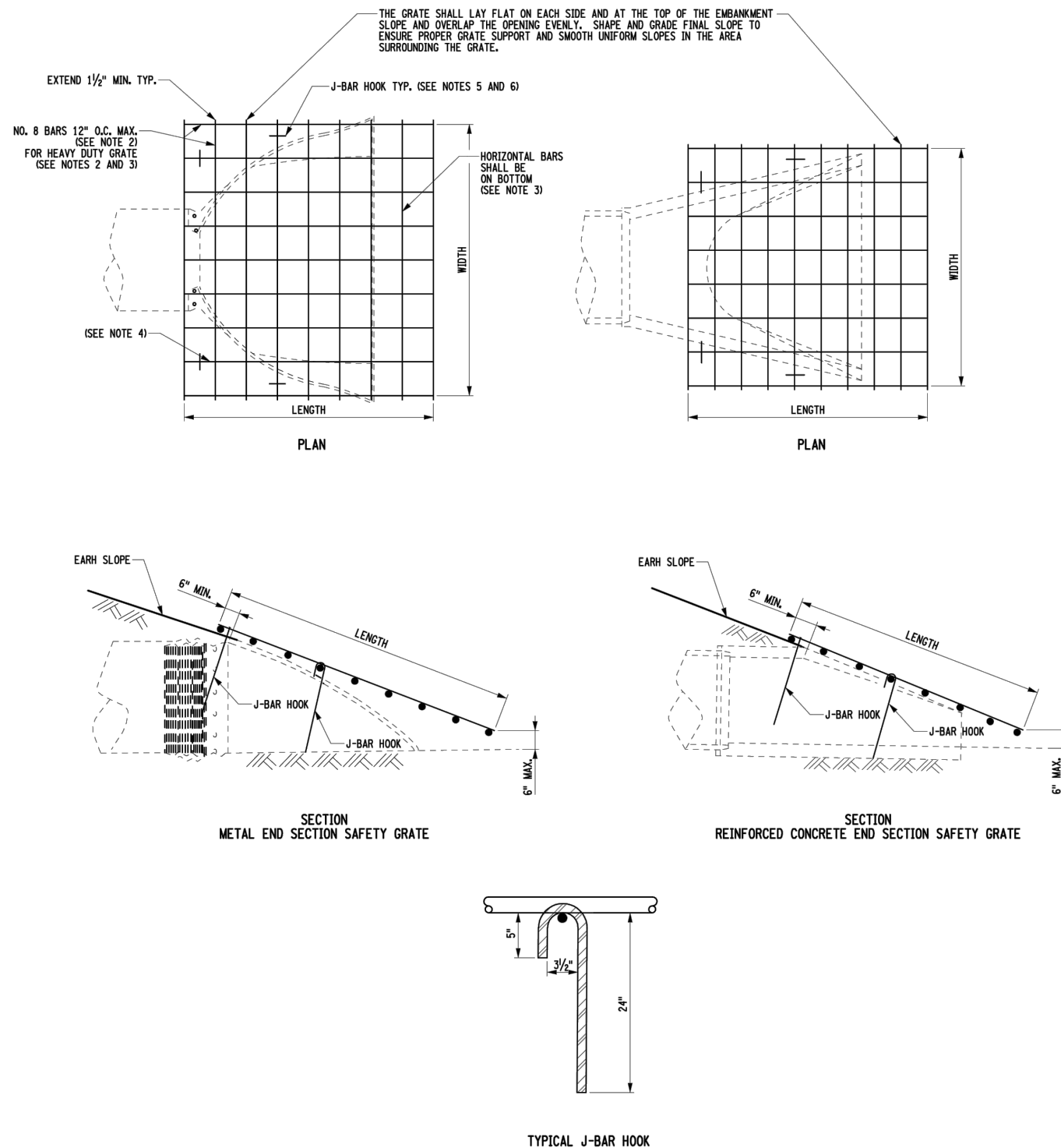
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ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'	Sheet Size: ANSI B (11x17)	DWG. NAME: EST-D-P002-101

EMPIRE STATE LINE ENTRANCE PLANS DETAILS-SHEET 2	
REV NO: B	

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DATE/TIME = 06-NOV-2008 15:00
USER = jturley



NOTES:

- CORRUGATED POLYETHYLENE PIPES UTILIZE METAL END SECTIONS WHICH ARE ONE STANDARD PIPE DIAMETER LARGER THAN CORRUGATED STEEL PIPE. THEREFORE, A SAFETY GRATE FOR A 36 IN. DIA. CORRUGATED POLYETHYLENE PIPE WOULD HAVE DIMENSIONS OF 10 FT. X 7 FT.
- BARS SHALL BE GRADE 60, FULL LENGTH, WITH NO SPLICES OR BUTT WELDS. VERTICAL BARS SHALL BE ON TOP.
- THE HORIZONTAL BARS SHALL BE NO. 11 FOR THE HEAVY-DUTY GRATES.
- BARS SHALL BE WELDED AT EACH INTERSECTION WITH 4 TACK WELDS OR A DOUBLE FLARE BEVEL GROOVE WELD, AT THE CONTRACTOR'S OPTION. WELDING SHALL MEET THE REQUIREMENTS OF THE NYS STEEL CONSTRUCTION MANUAL, EXCEPT THAT RADIOGRAPHIC INSPECTION WILL NOT BE REQUIRED.
- J-BAR HOOKS SHALL BE NO. 6 BAR, OR NO. 4 GALVANIZED IN ACCORDANCE WITH §719-01.
- J-BAR HOOKS SHOWN INSTALLED PERPENDICULAR TO SLOPE. HOOKS MAY ALSO BE INSTALLED VERTICALLY. J-BAR SHALL BE WITH LONG LEGS ON THE DOWNHILL SIDE.
- PAYMENT AREA OF SAFETY GRATES FOR PIPE DIMENSIONS OTHER THAN THOSE LISTED IN THE TABLE WILL BE BASED ON THE PRODUCT OF THE OVERALL LENGTH AND WIDTH.

CULVERT-END SAFETY GRATE DIMENSIONS AND PAYMENT AREAS				
PIPE DIMENSION (IN.)	WIDTH (FT.)	LENGTH (FT.)	PAYMENT AREA (SQ. FT.)	
REINFORCED CONCRETE PIPE				
18	4	4	16	
24	5	6	30	
30	6	8	48	
36	7	9	63	
42	8	11	88	
48	9	12	108	
CORRUGATED METAL PIPE (CORR. HDPE PIPE)				
18	5	4	20	
24 (18)	6	5	30	
30 (24)	8	5	40	
36 (30)	9	6	54	
42 (36)	10	7	70	
48 (42)	11	8	88	
(48)	12	9	108	
CORRUGATED METAL PIPE ARCH				
2 2/3 X 1 1/2	3 X 1 OR 5 X 1			
35 X 24	---	7	4	28
42 X 29	---	9	5	45
49 X 33	---	10	6	60
57 X 38	---	11	7	77
64 X 43	60 X 46	12	7	84
71 X 47	---	13	8	104

EFFECTIVE DATE: 01/08/09

	STATE OF NEW YORK DEPARTMENT OF TRANSPORTATION
U.S. CUSTOMARY STANDARD SHEET	
CULVERT-END SAFETY GRATE	
APPROVED OCTOBER 01, 2008	ISSUED UNDER EB 08-036
/S/ ROBERT L. SACK, P.E. DEPUTY CHIEF ENGINEER (TECHNICAL SERVICES)	
603-05	

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 DETAILS-NEW.DWG LAST SAVED BY: nrfoster 7/30/2020 2:04 PM PLOTTED BY: Nolan R. Foster 7/30/2020 2:05 PM Tab:P002-102

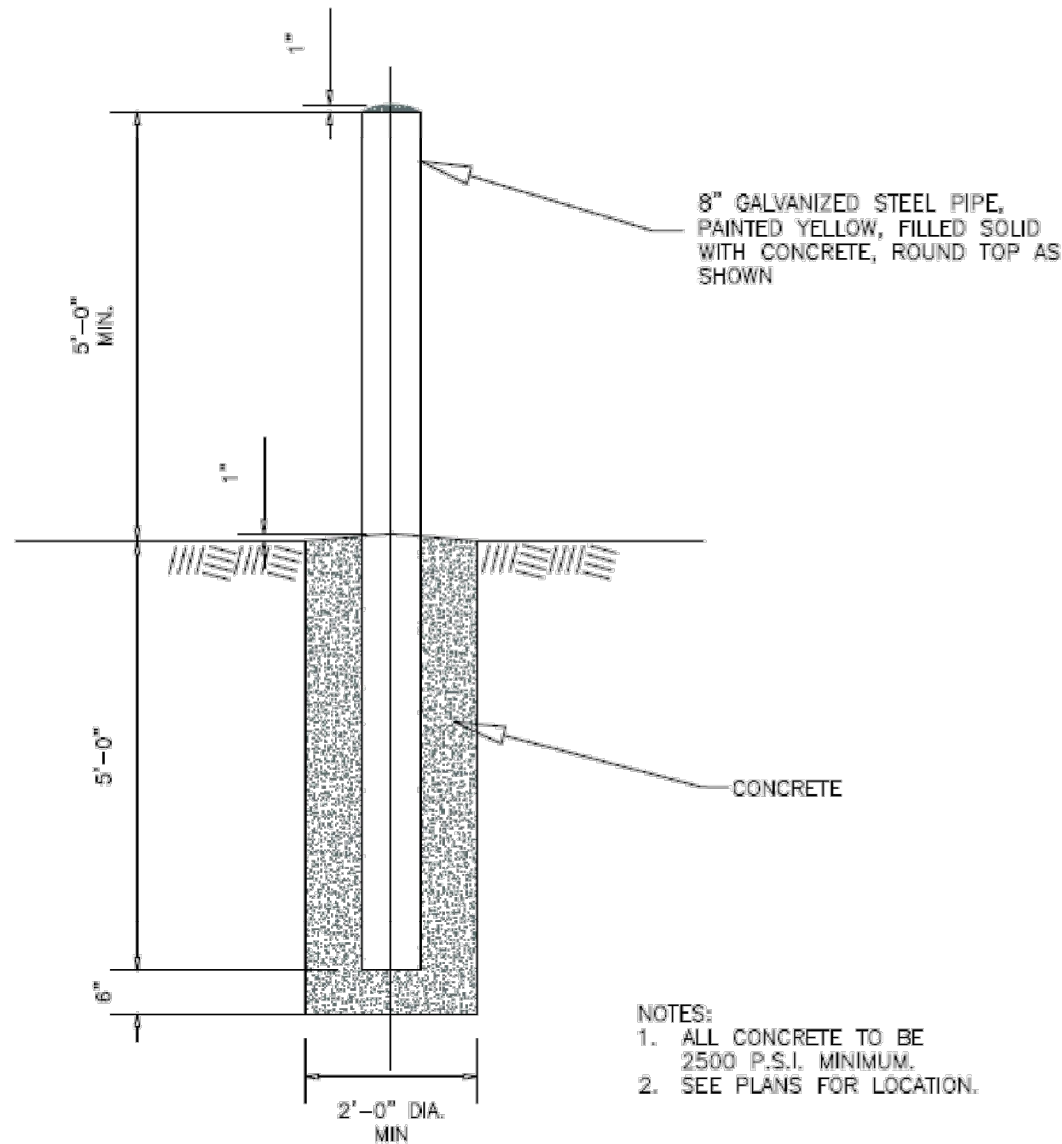


ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS DETAILS-SHEET 3	
DWG. NAME: EST-D-P002-102	REV NO: B

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VER	DATE	VERSION DESCRIPTION	PREPARED	REVIEWED	APPROVED	VERSION
1	07/26/10	INITIAL RELEASE	TEC			1
2						
3						
4						



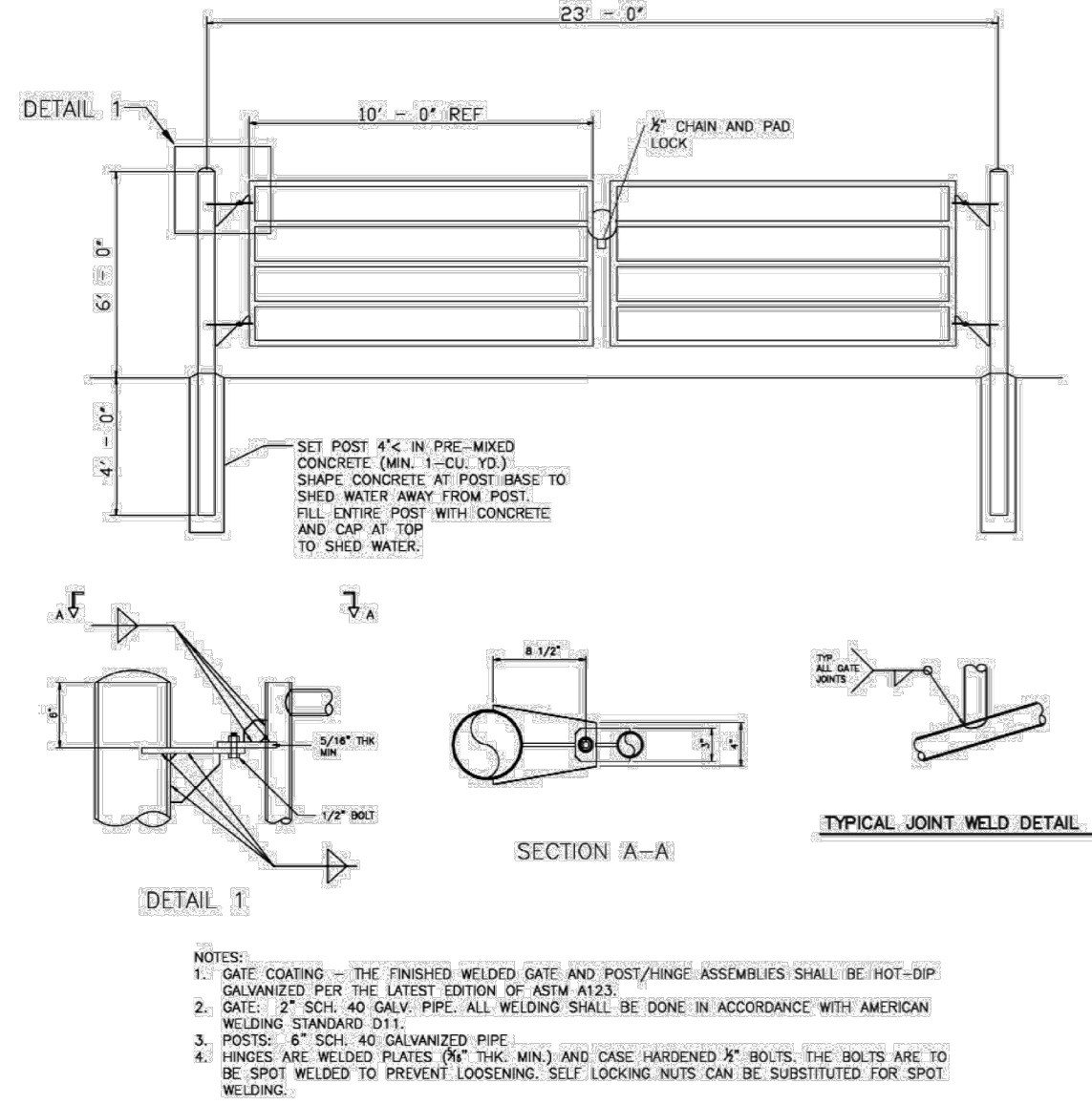
- NOTES:
1. ALL CONCRETE TO BE 2500 P.S.I. MINIMUM.
 2. SEE PLANS FOR LOCATION.

TRANSMISSION LINE STANDARDS	PREPARED BY	TEC
	REVIEWED BY	JLC
	APPROVED BY	MSB
R.O.W. GATES AND FENCES	SCALE	NTS
TYPICAL BOLLARD DETAIL	SHEET	5 OF 5
	INDEX	SP.06.01.301

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SP.06.01.301.103

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APPROVED	6
	7

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AGRICULTURAL STEEL

GATE DETAILS

EM&CP 0543

SCALE: NONE