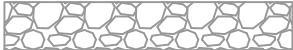
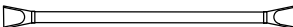


LEGEND

— — — — —	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
	CONSTRUCTION ENTRANCE
	TIMBER MATS
	CULVERT

INDEX

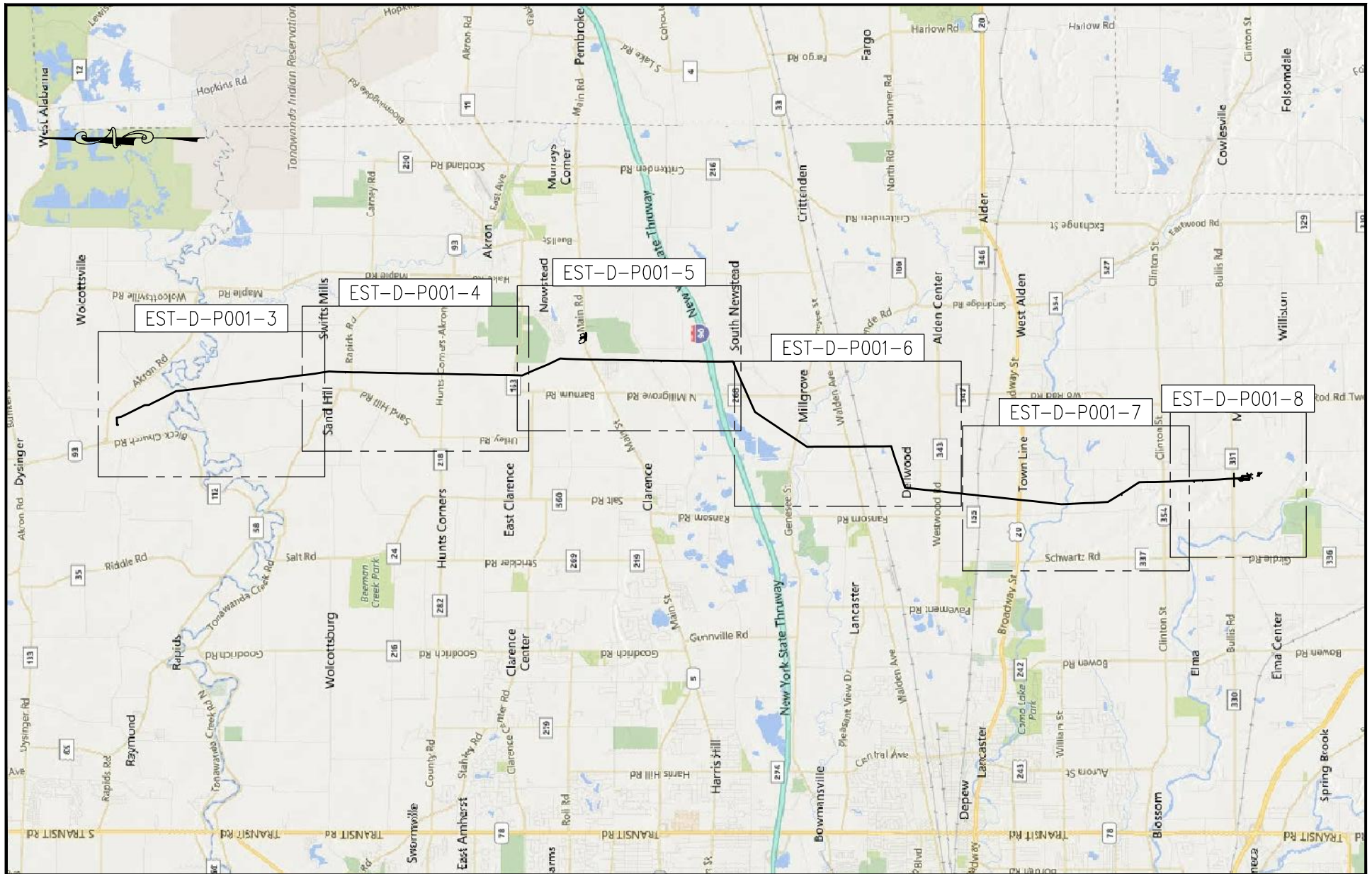
DRAWING NUMBER		P002-12	COUNTY	P002-35	COUNTY	P002-58	STATE
		P002-13	TOWN	P002-36	COUNTY	P002-59	COUNTY
P001-1	LEGEND & INDEX	P002-14	TOWN	P002-37	COUNTY	P002-60	COUNTY
P001-2	INDEX	P002-15	TOWN	P002-38	STATE	P002-61	COUNTY
P001-3	INDEX	P002-16	TOWN	P002-39	STATE	DETAILS	
P001-4	INDEX	P002-17	TOWN	P002-40	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		
P002-1	STATE	P002-24	STATE	P002-47	COUNTY		
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		
P002-7	COUNTY	P002-30	TOWN	P002-53	TOWN		
P002-8	COUNTY	P002-31	TOWN	P002-54	TOWN		
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		

FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 SHEETS INDEX SHEETS.DWG LAST SAVED BY: nrfoster 9/3/2020 3:13 PM PLOTTED BY: Nolan R. Foster 9/15/2020 8:36 AM Tab:P001-1



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 LEGEND & INDEX		
DWG. NAME:	EST-D-P001-1	REV NO: C



FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 SHEETS INDEX SHEETS.DWG LAST SAVED BY: nrfoster 7/30/2020 2:19 PM PLOTTED BY: Steven K. Camposan 8/7/2020 8:50 AM Tab:P001-2



ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
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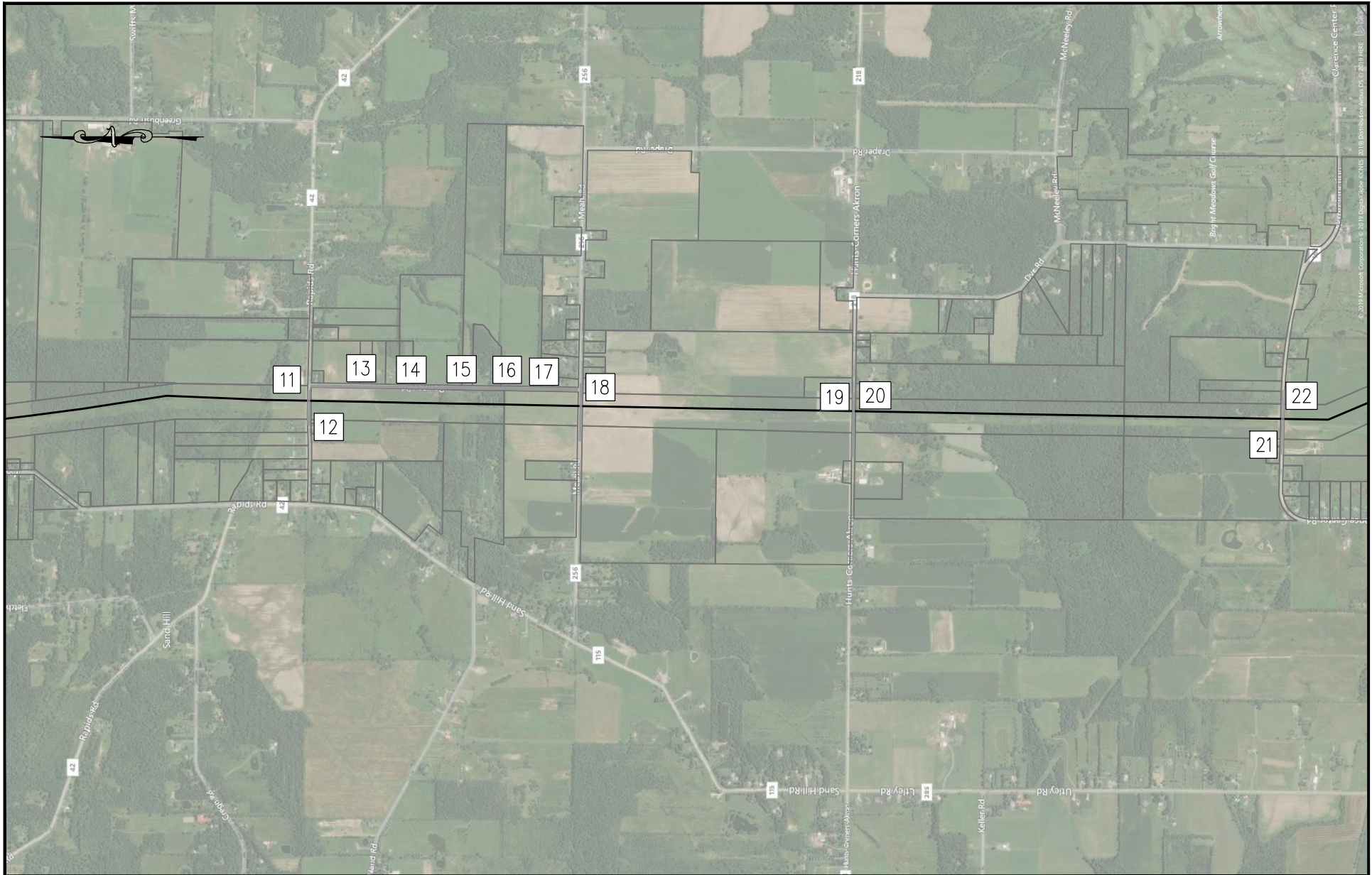


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ENGINEERING RECORD		DATE
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DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 2000'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS INDEX: 1-10		DWG. NAME:	EST-D-P001-3	REV NO:	B



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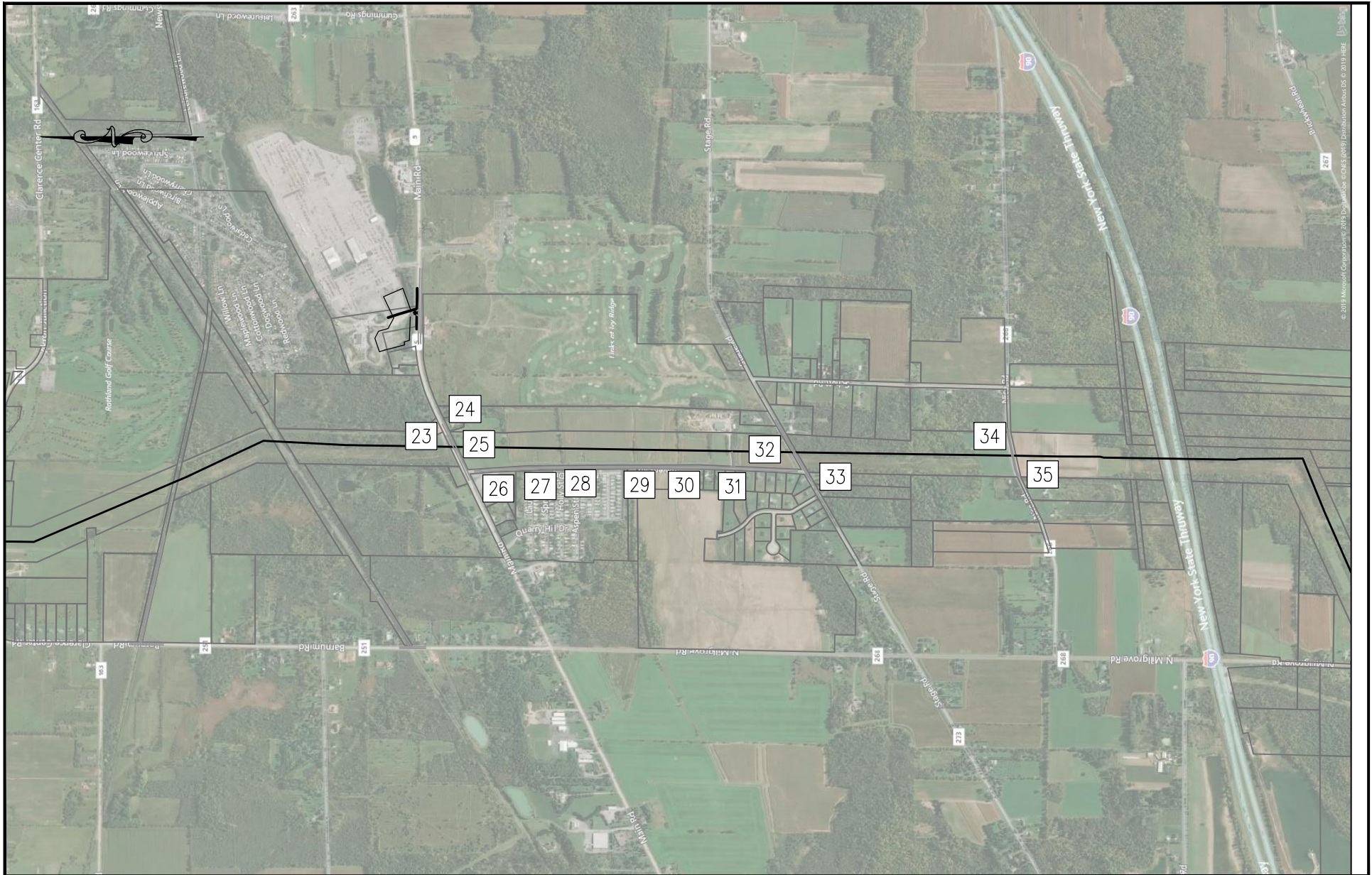
ECI ENGINEERING SERVICES, P.C.

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" = 2000'		Sheet Size: ANSI A (8.5x11)

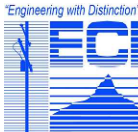
**EMPIRE STATE LINE
ENTRANCE PLANS
INDEX: 11-22**

DWG. NAME: EST-D-P001-4 REV NO: B



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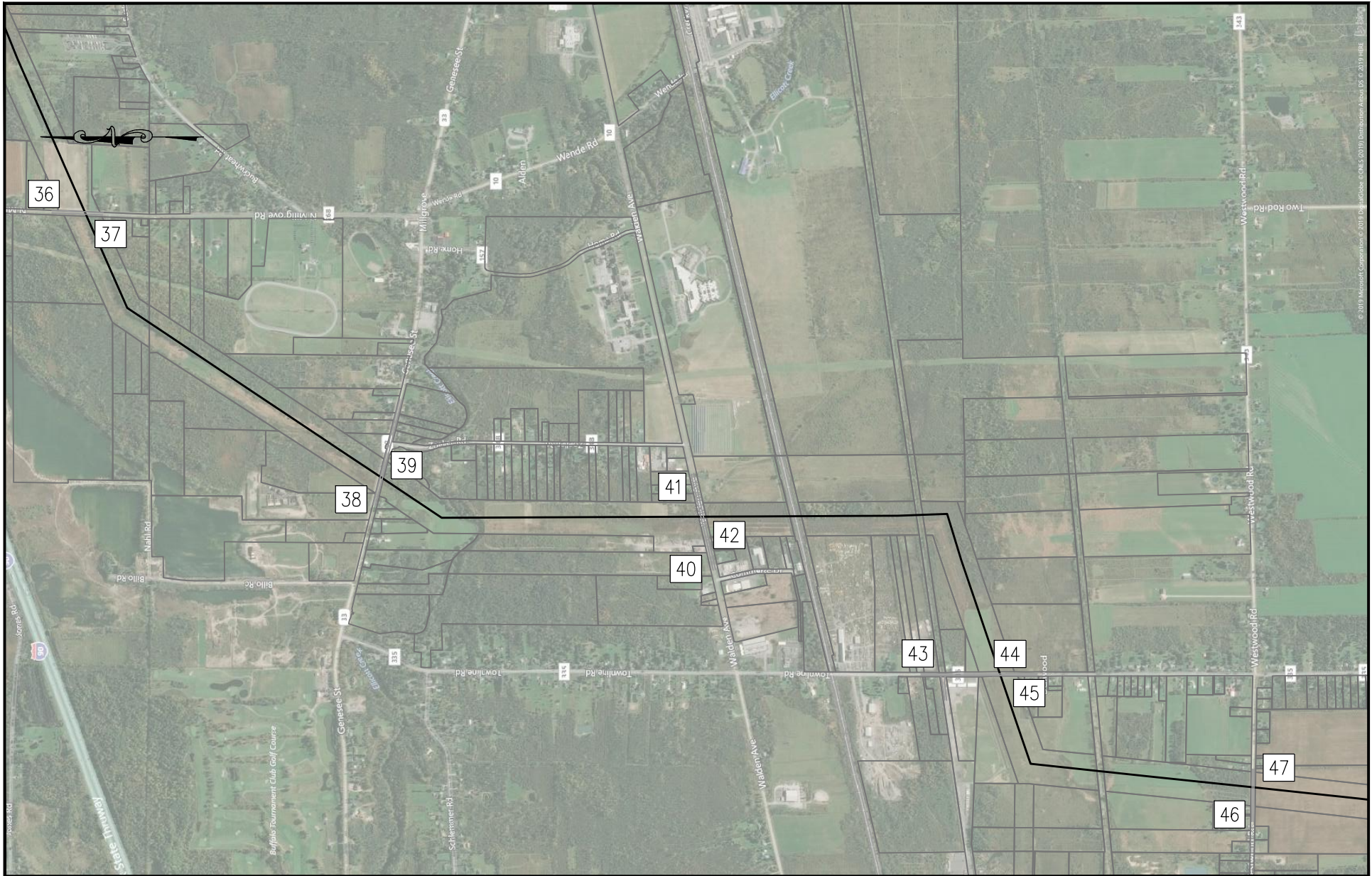


TRANSMISSION
NEW YORK

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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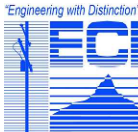
EMPIRE STATE LINE
ENTRANCE PLANS
INDEX: 23-35

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DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
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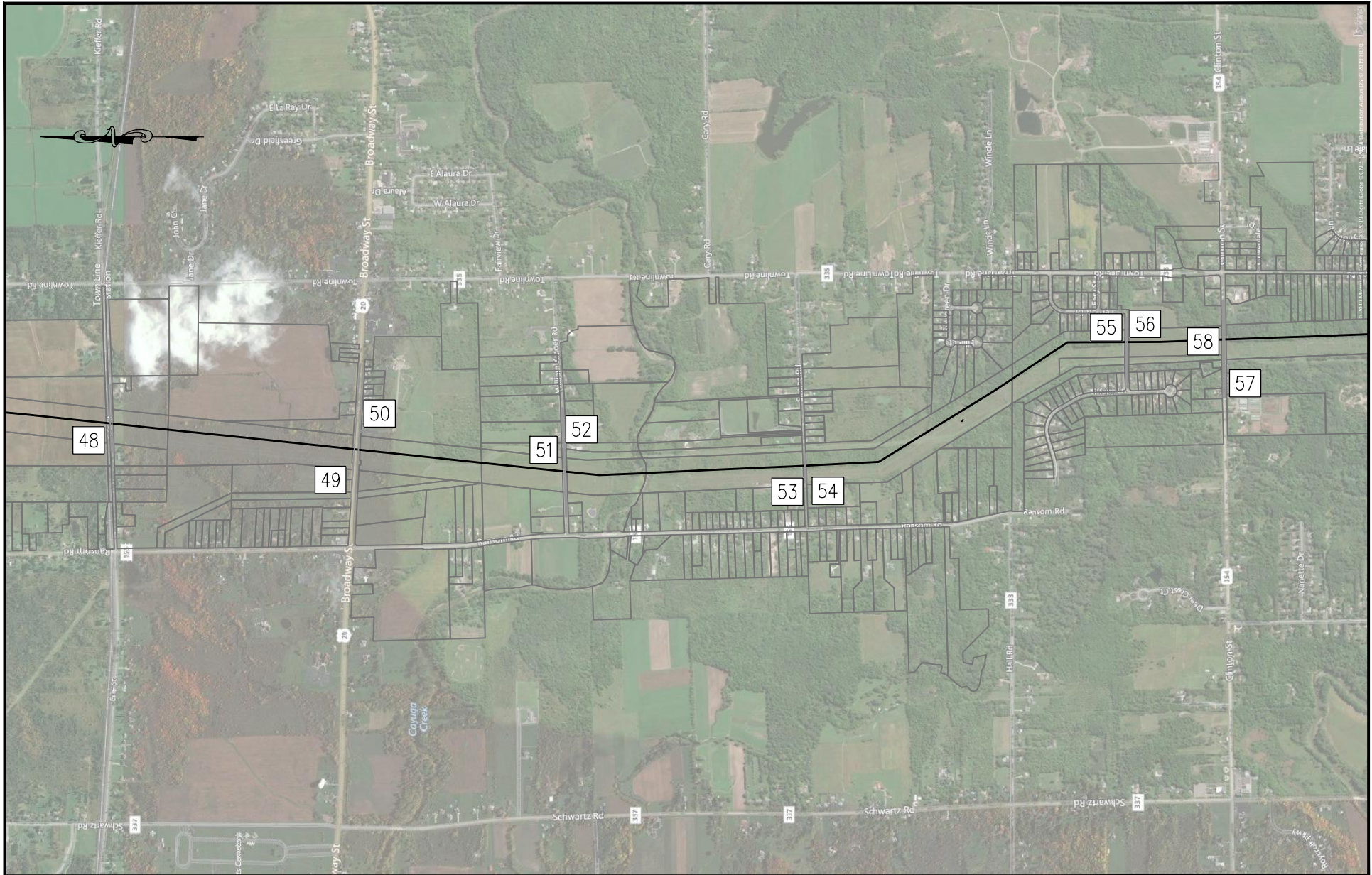
EMPIRE STATE LINE

ENTRANCE PLANS

INDEX: 36-47

DWG. NAME: EST-D-P001-6

REV NO: B



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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" = 2000'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS INDEX: 48-58	
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REV NO:	B

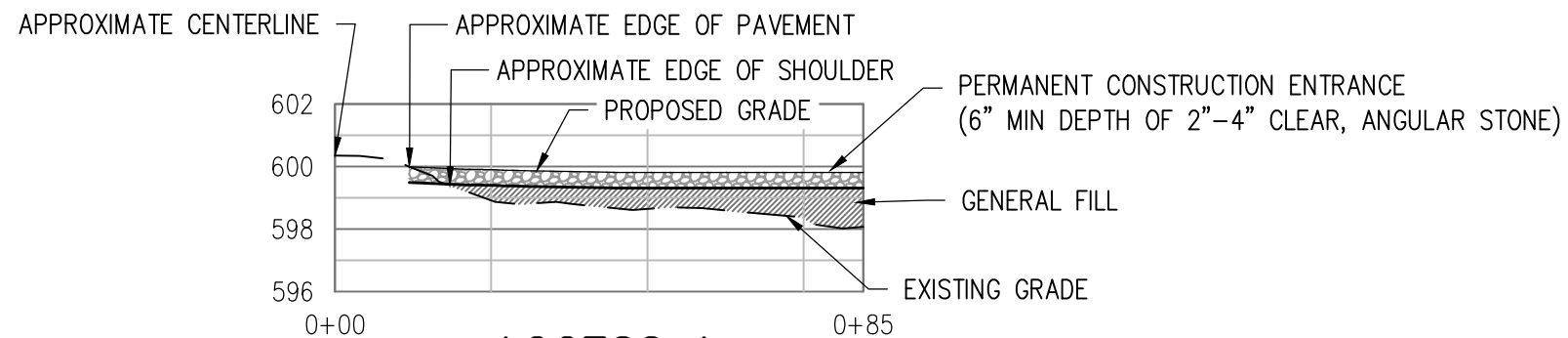
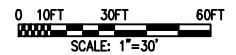
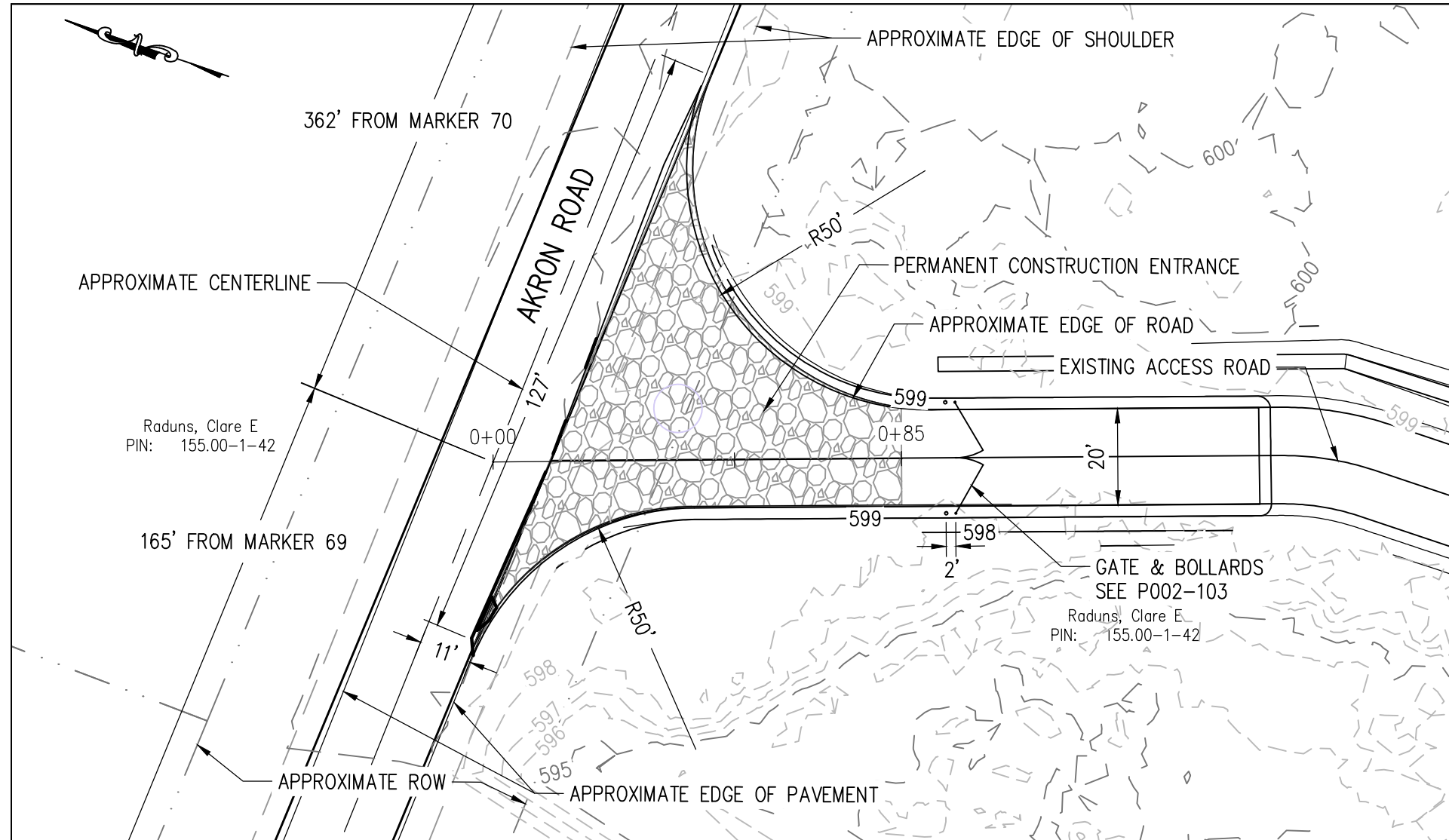


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ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 2000'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS INDEX: 59-61	
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ACCESS 1

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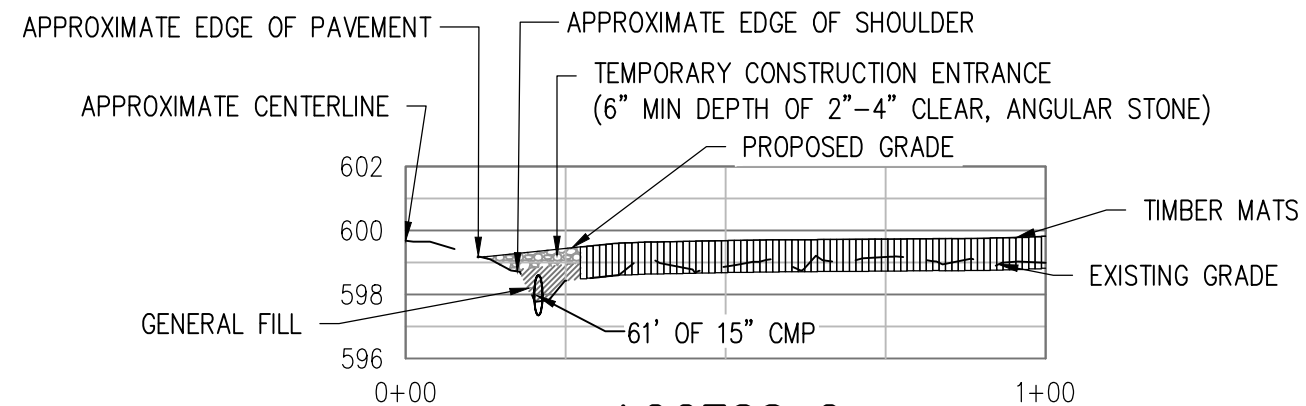
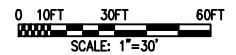
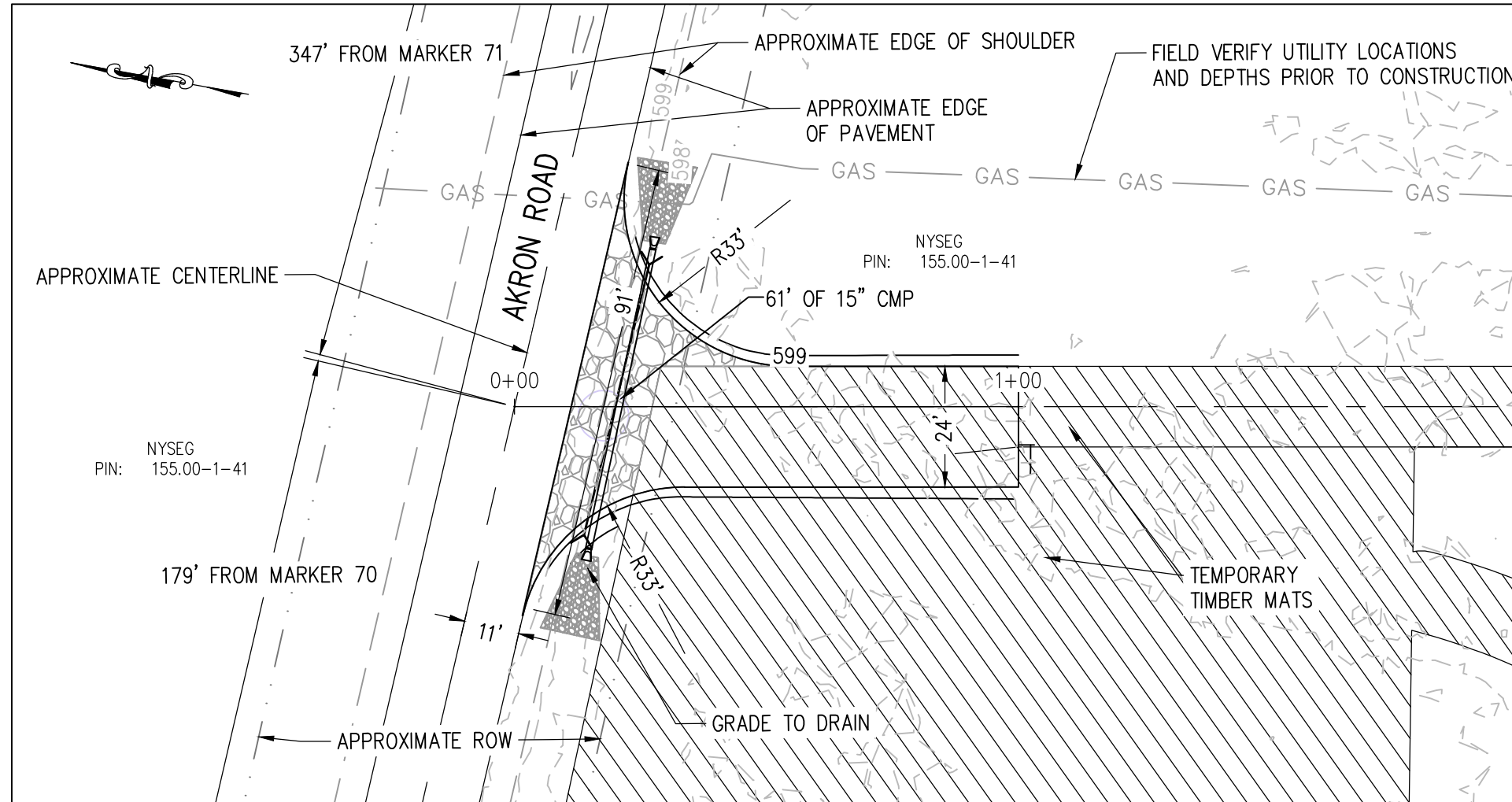
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ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 1 PLAN & PROFILE

DWG. NAME: EST-D-P002-1 REV NO: C



ACCESS 2

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

NOTES:

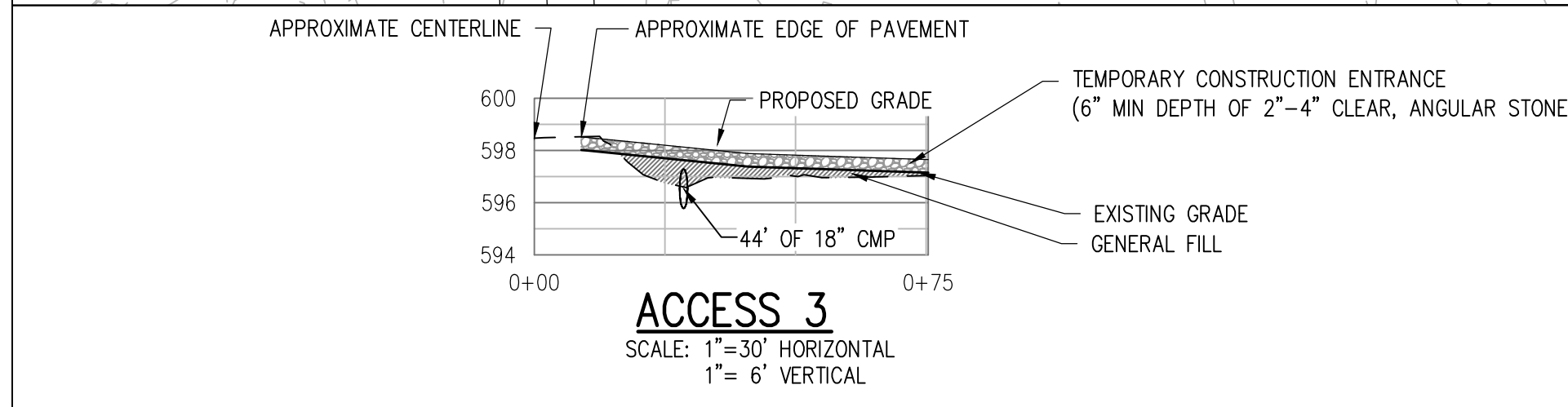
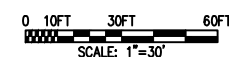
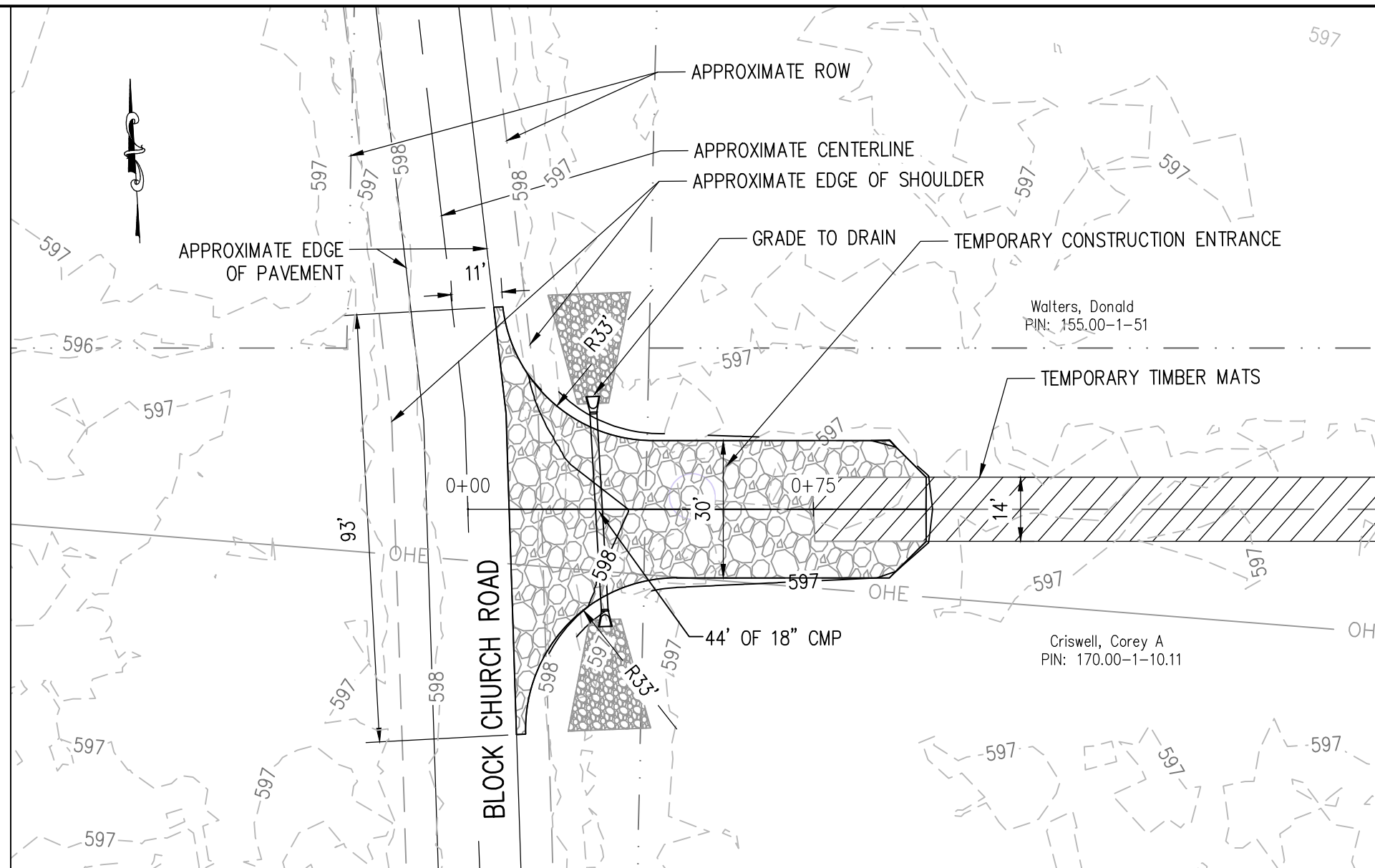
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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 3:06 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:

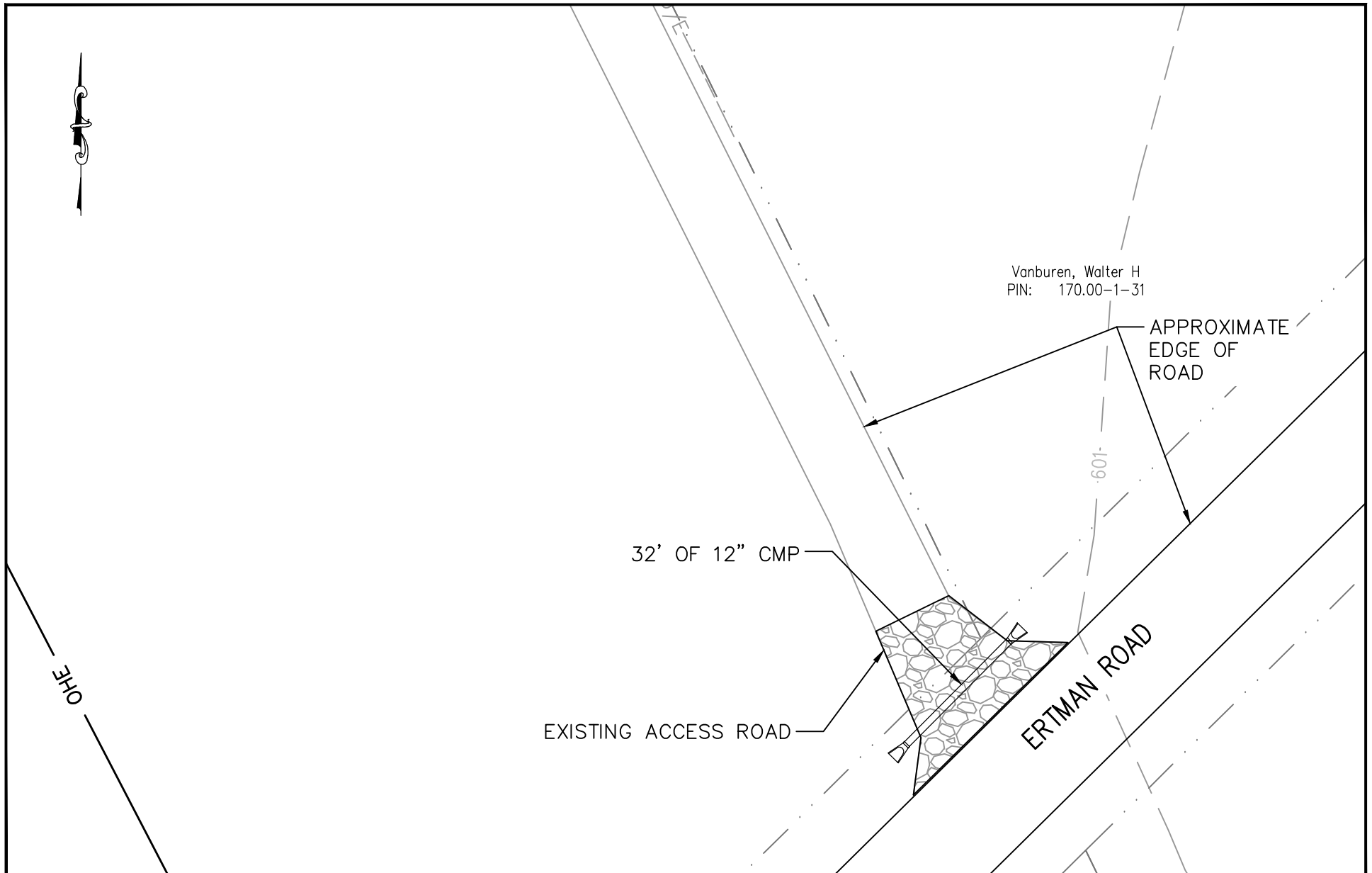
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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



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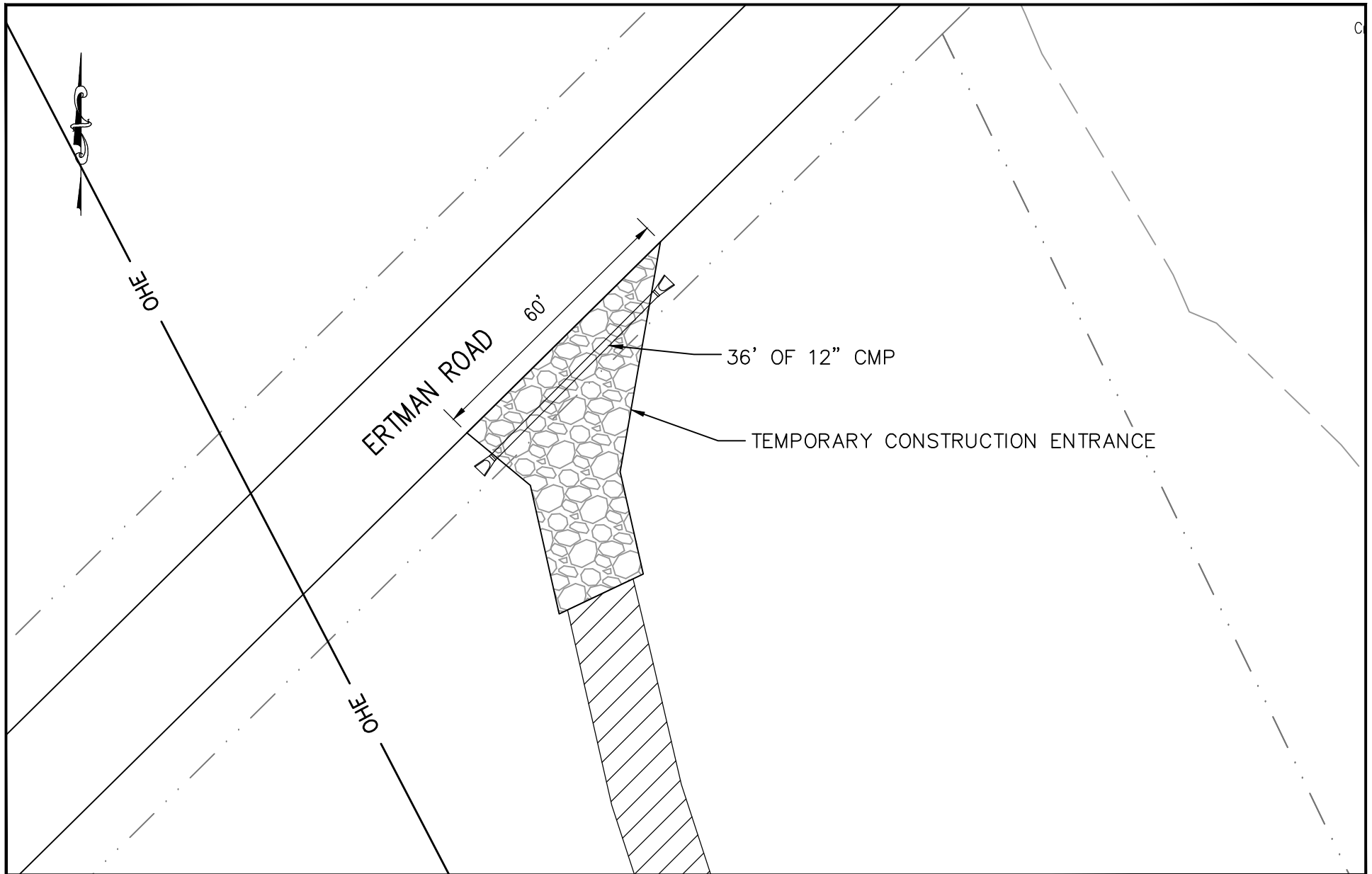
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ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE
ENTRANCE PLANS
ACCESS 4 PLAN

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

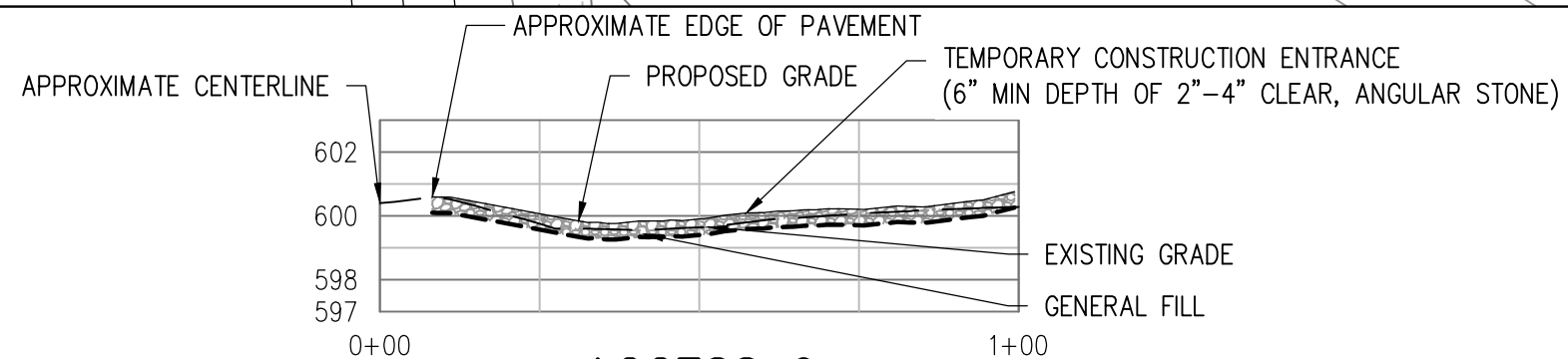
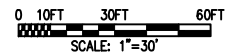
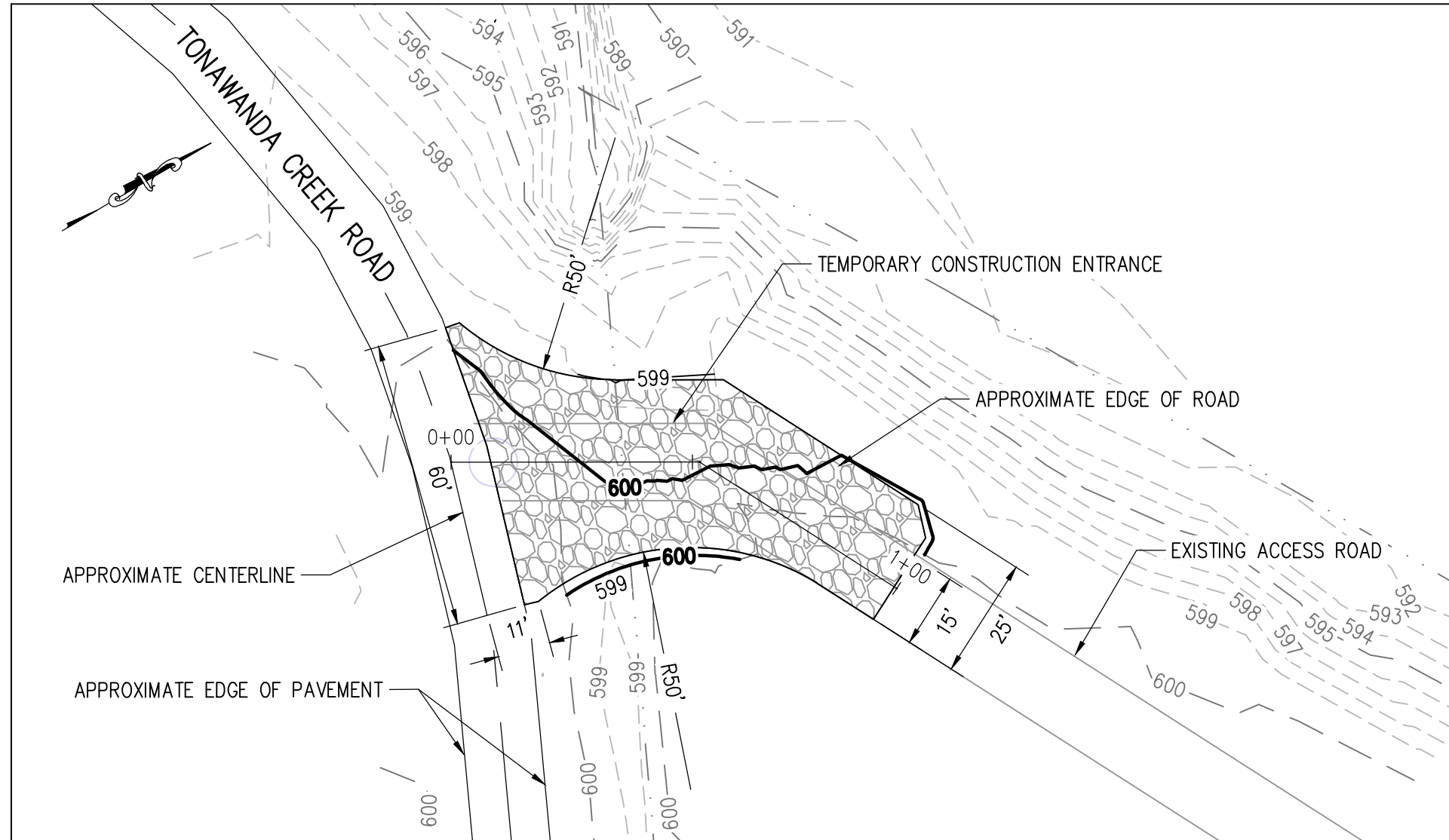


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ENGINEERING RECORD		DATE
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DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

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



ACCESS 6

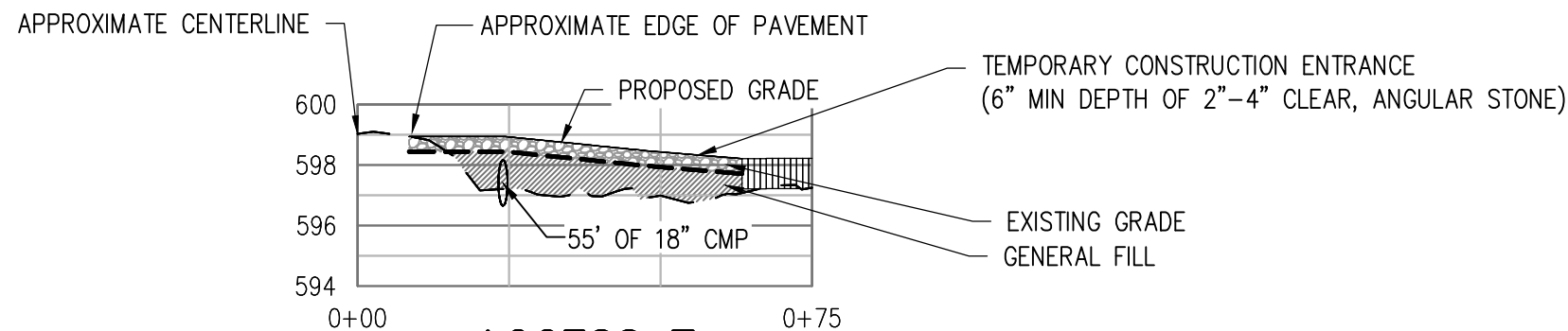
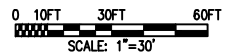
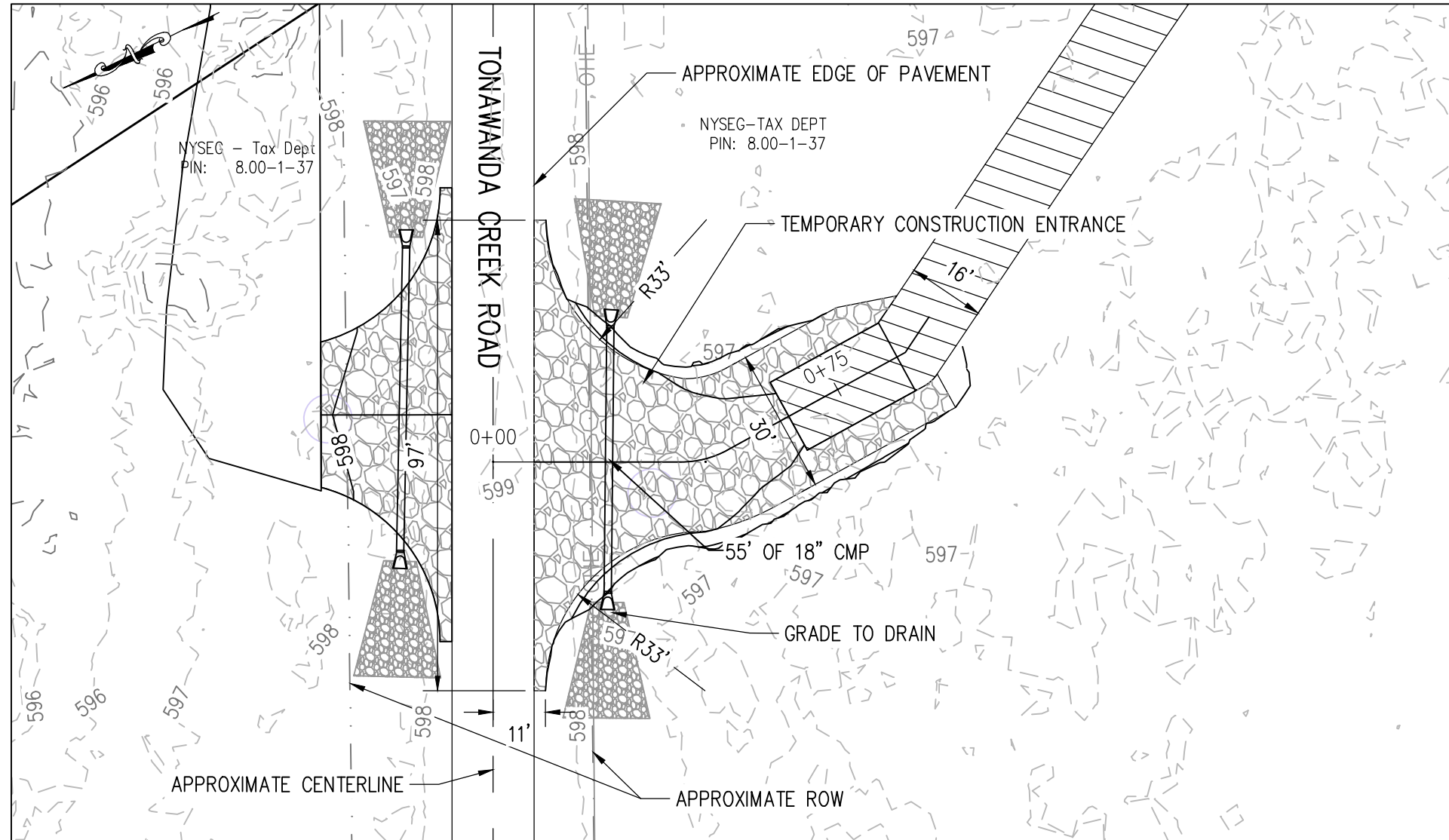
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ENGINEERING RECORD		DATE
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DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

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



ACCESS 7
SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

NOTES:

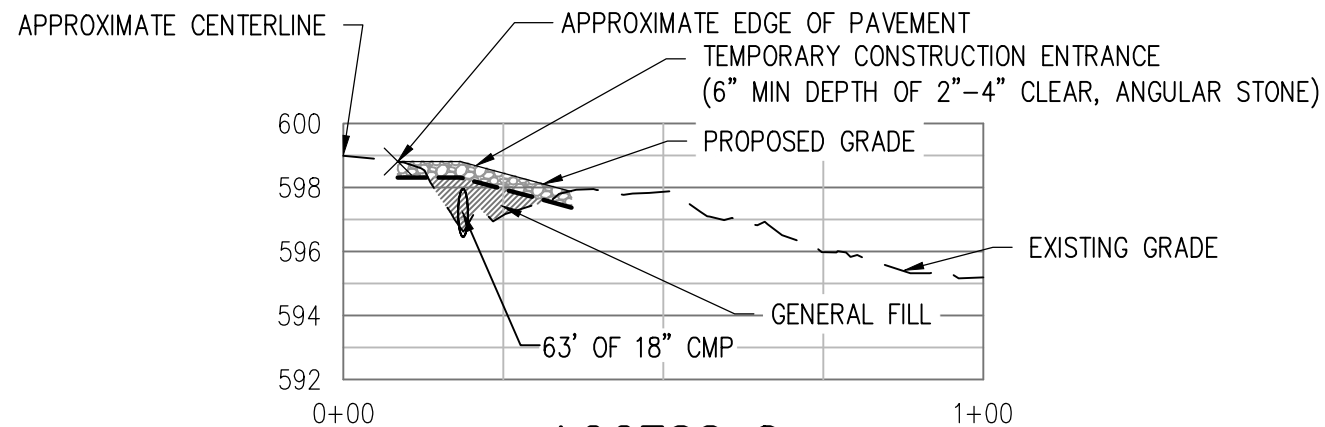
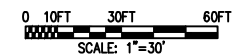
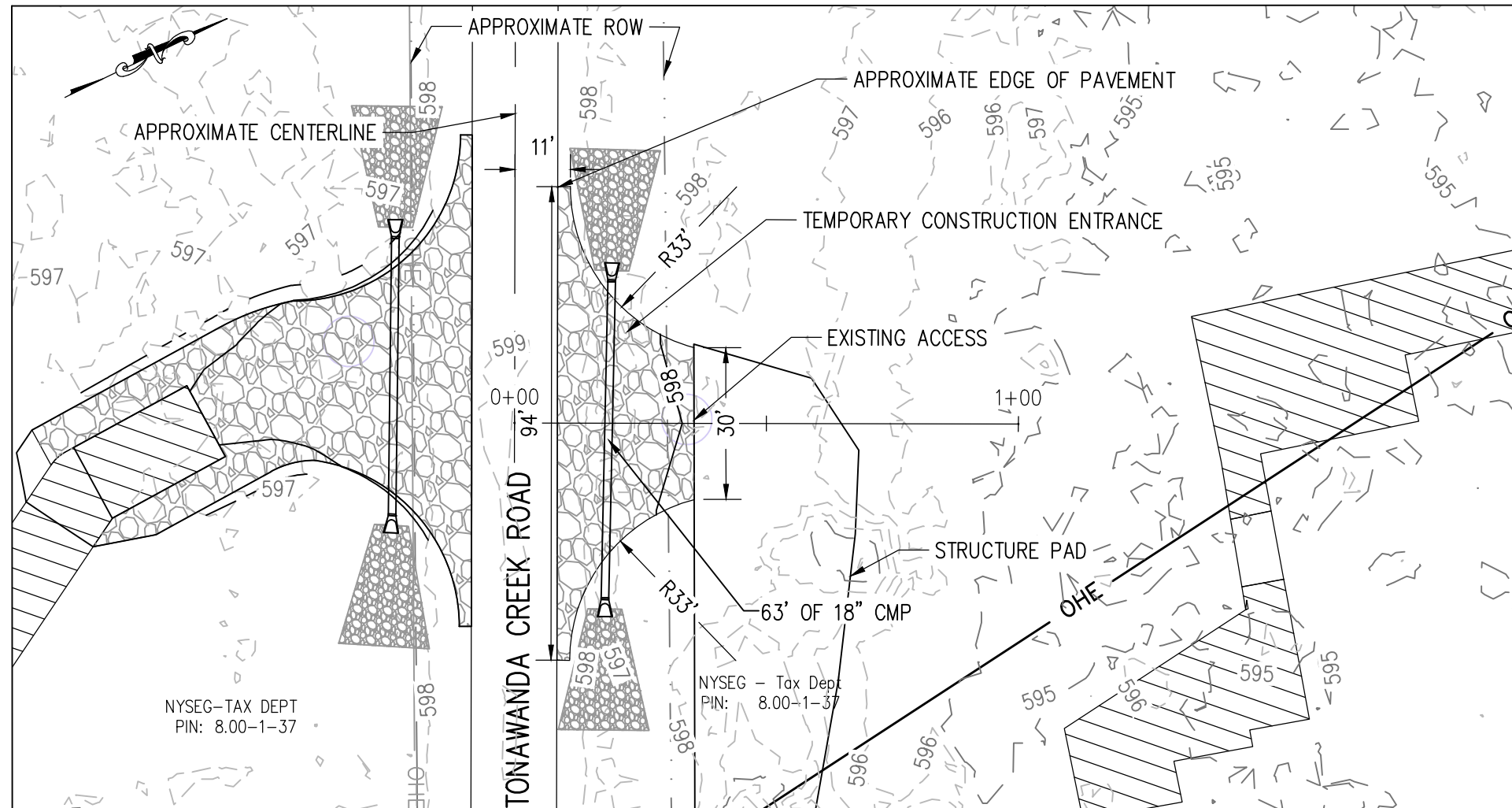
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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 3:08 PM Tab: 7 (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 7 PLAN & PROFILE		DWG. NAME:	EST-D-P002-7	REV NO:	C



ACCESS 8

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

NOTES:

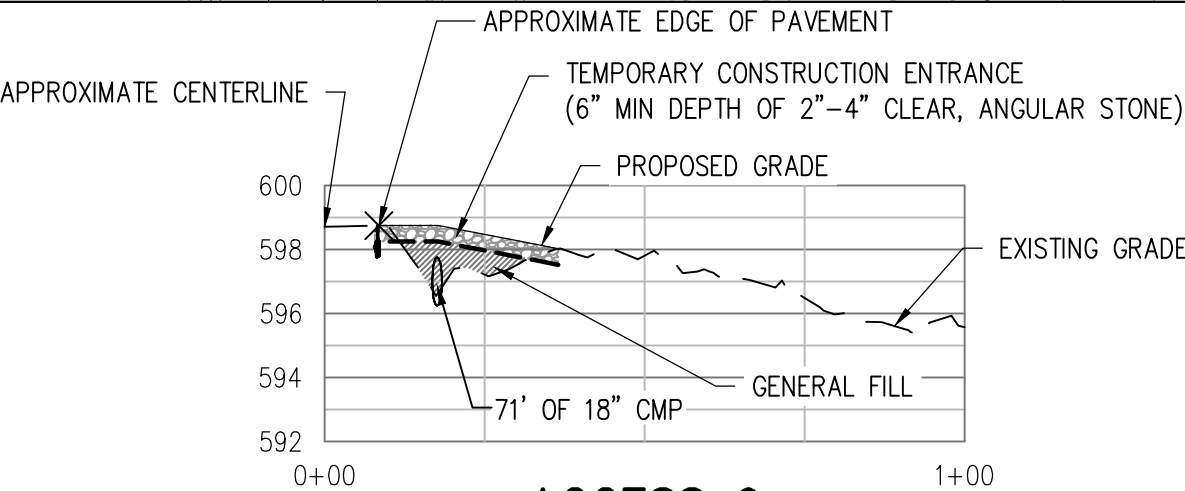
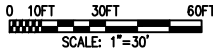
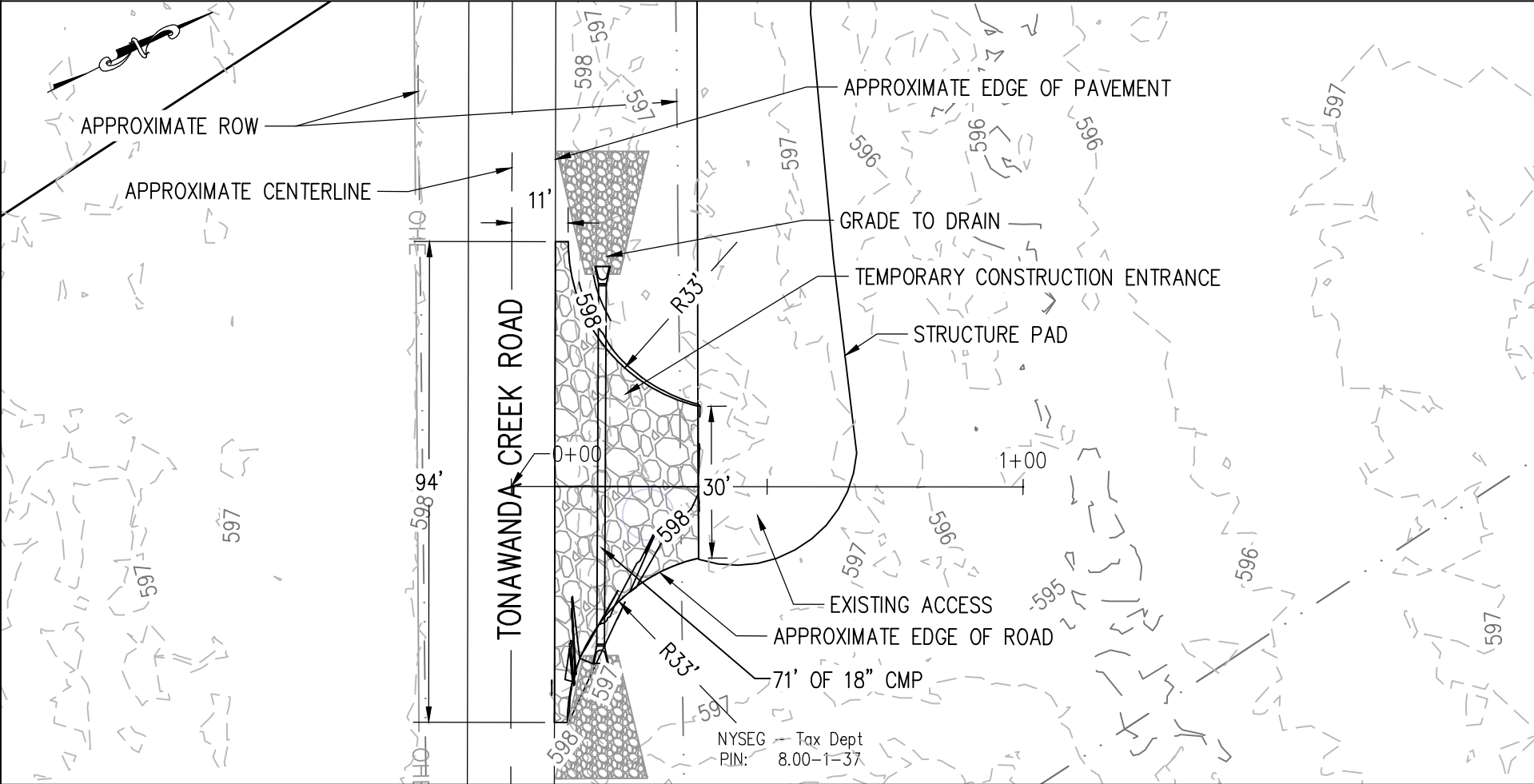
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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
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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

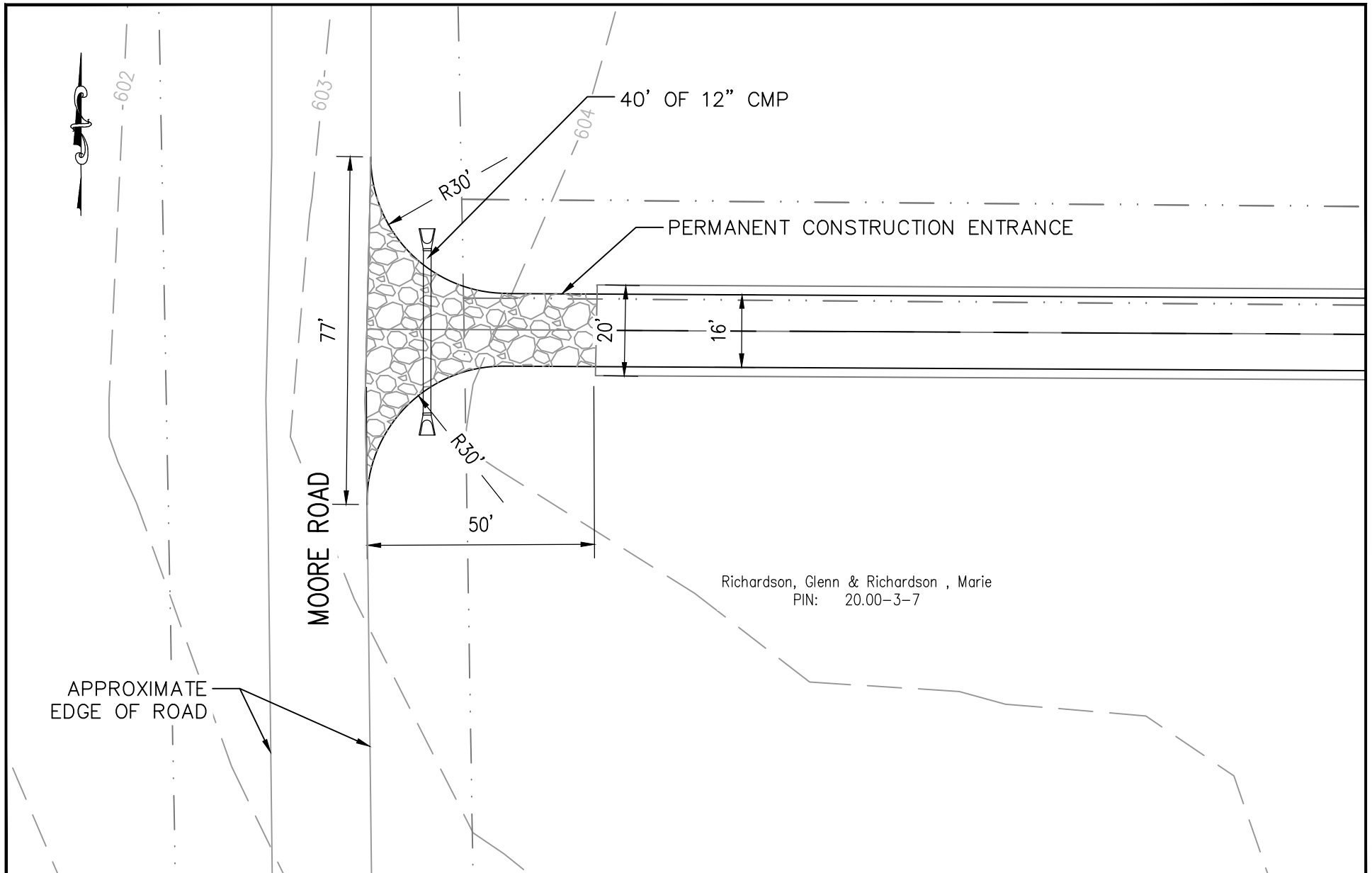
- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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

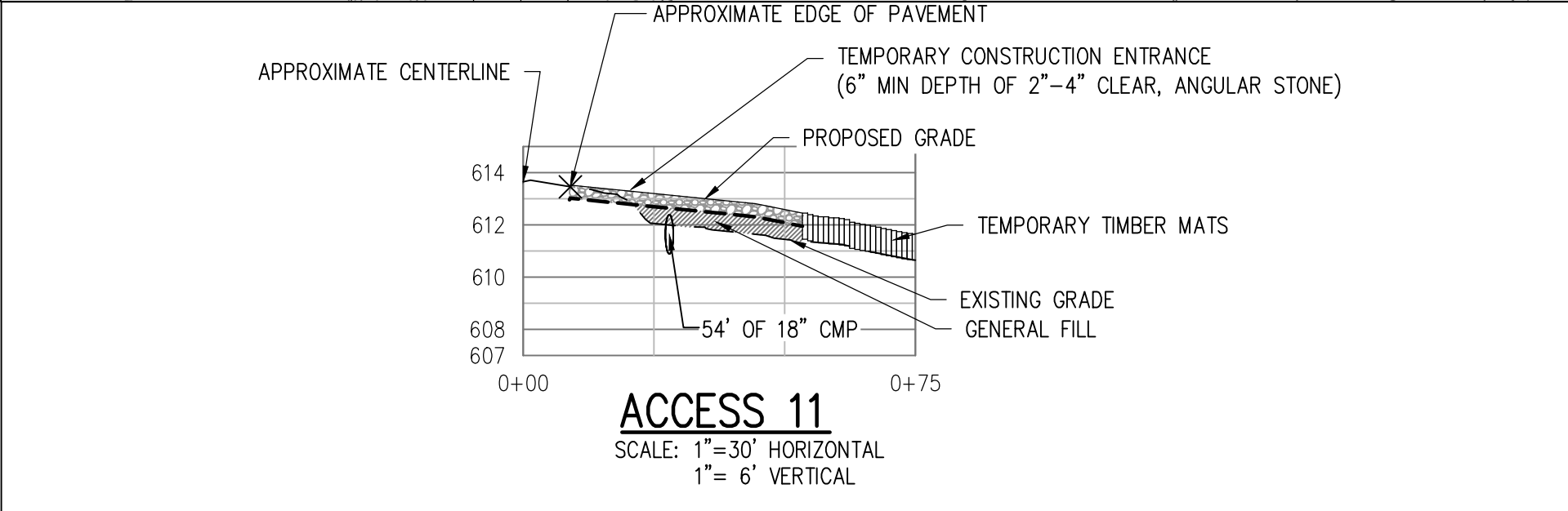
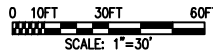
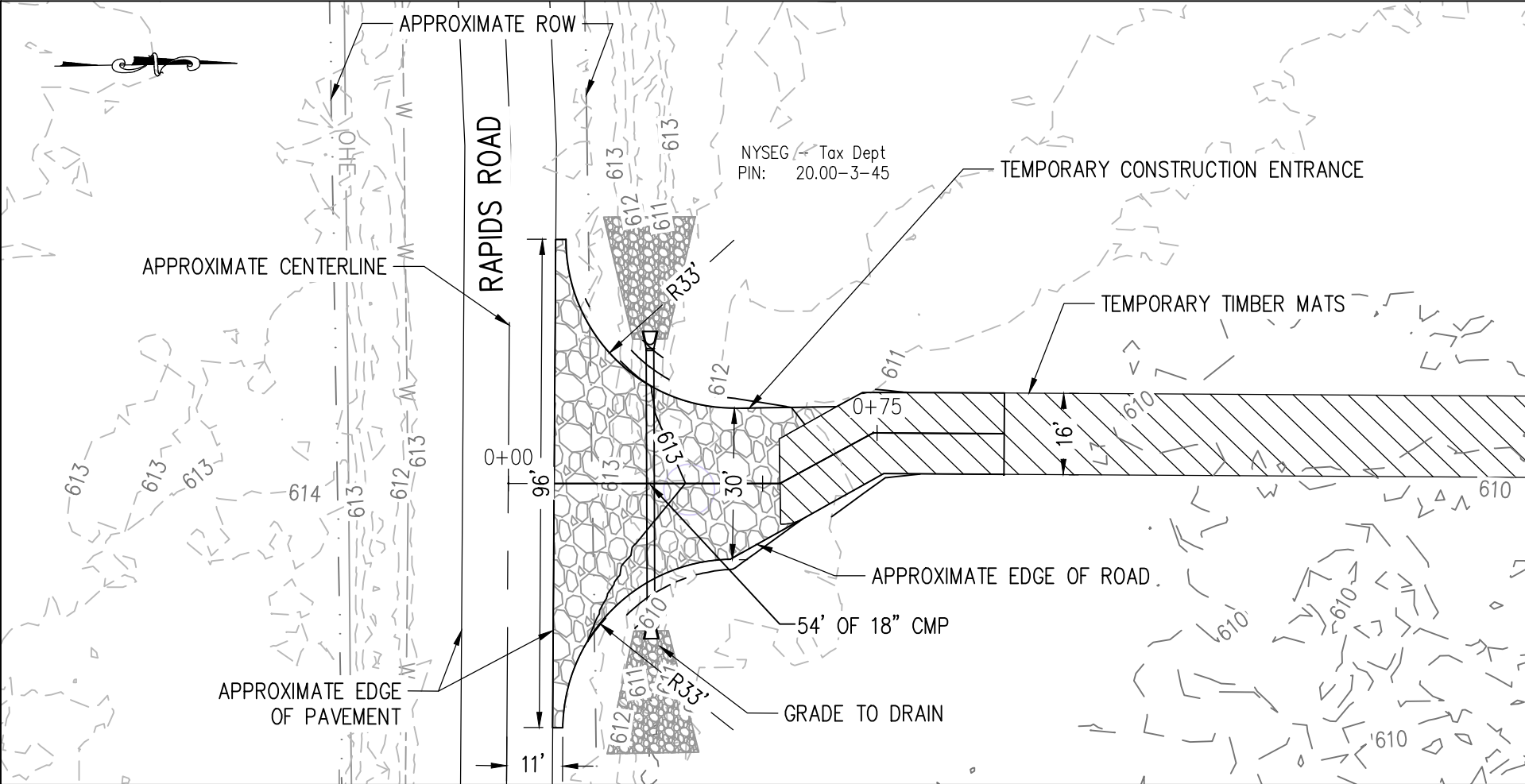


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 1-17 (UPDATED 2020-07-30).DWG LAST SAVED BY: nrfoster 9/9/2020 2:28 PM PLOTTED BY: Nolan R. Foster 9/15/2020 8:58 AM Tab:10



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



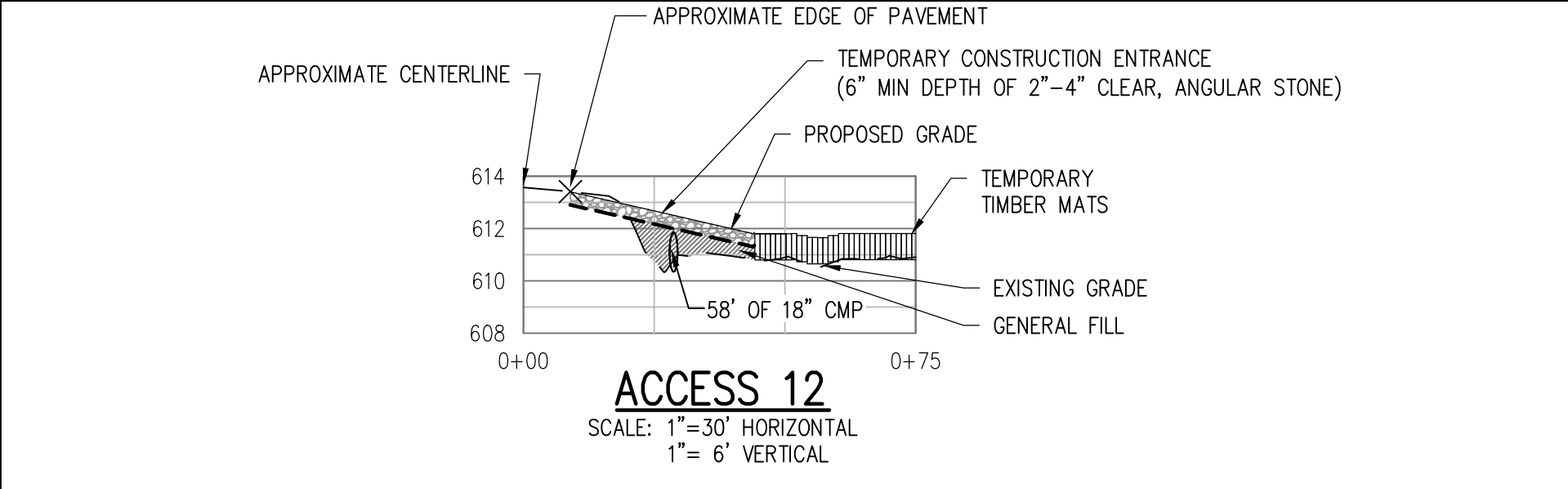
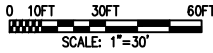
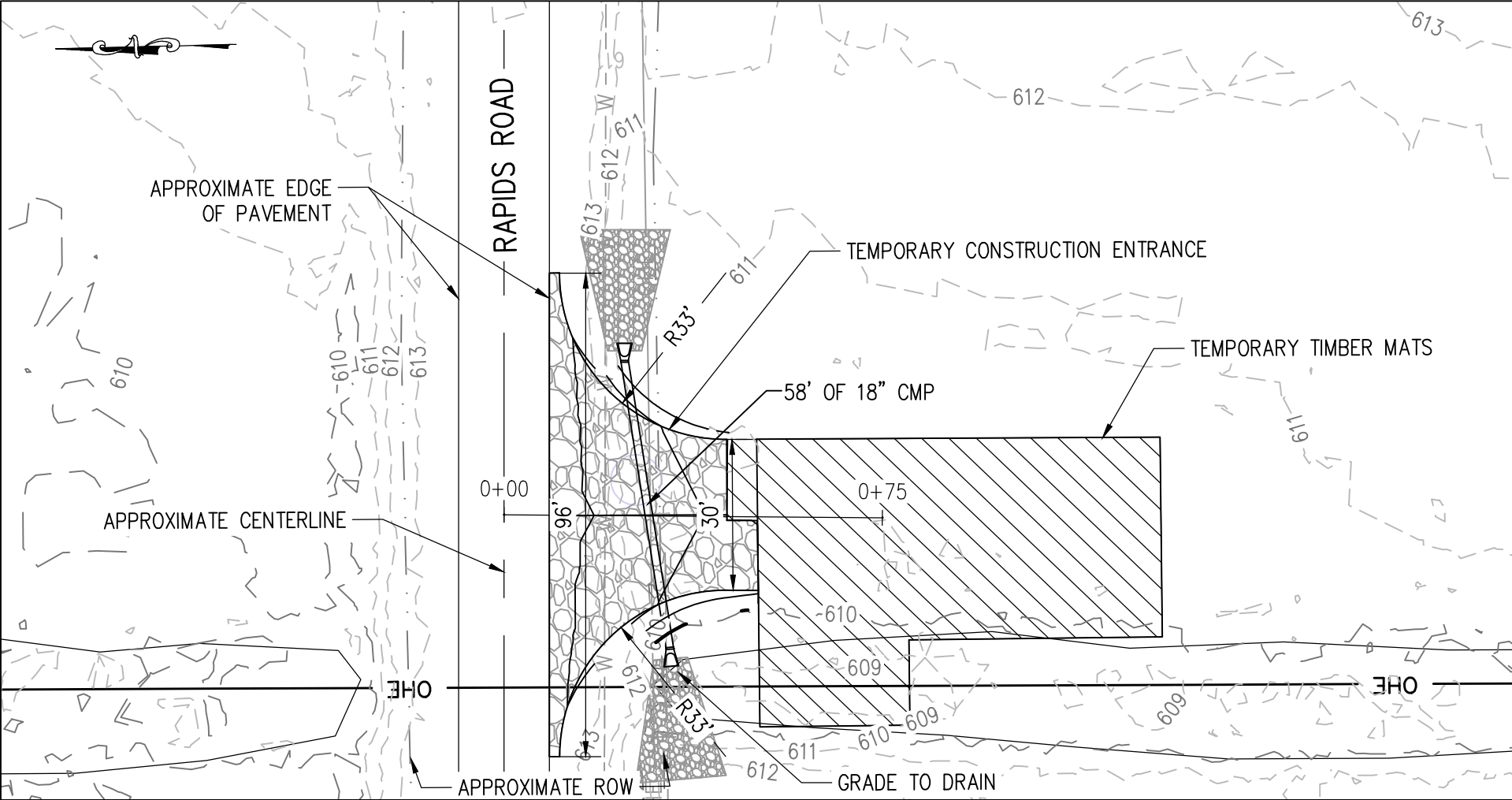
- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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



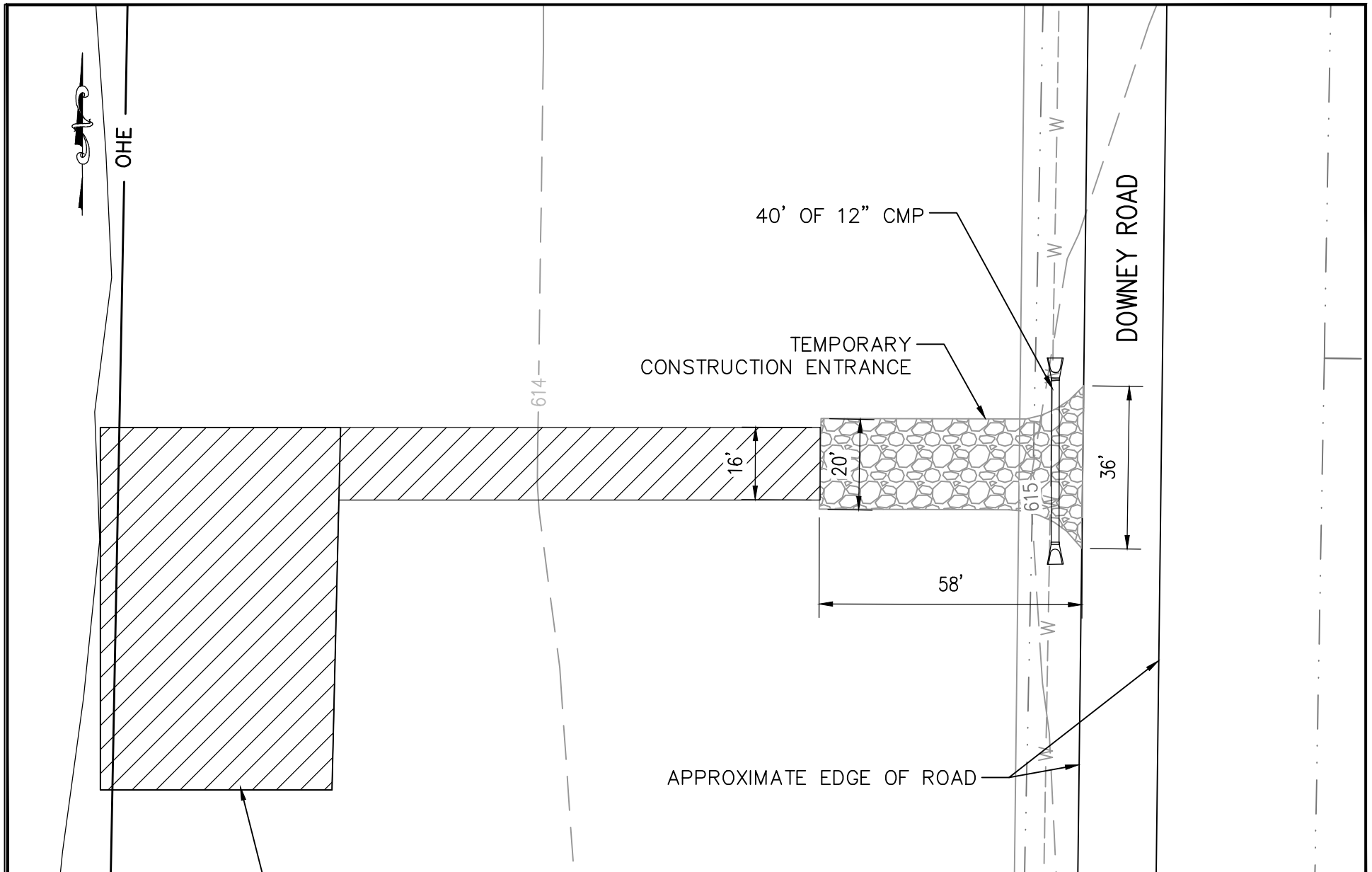
- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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

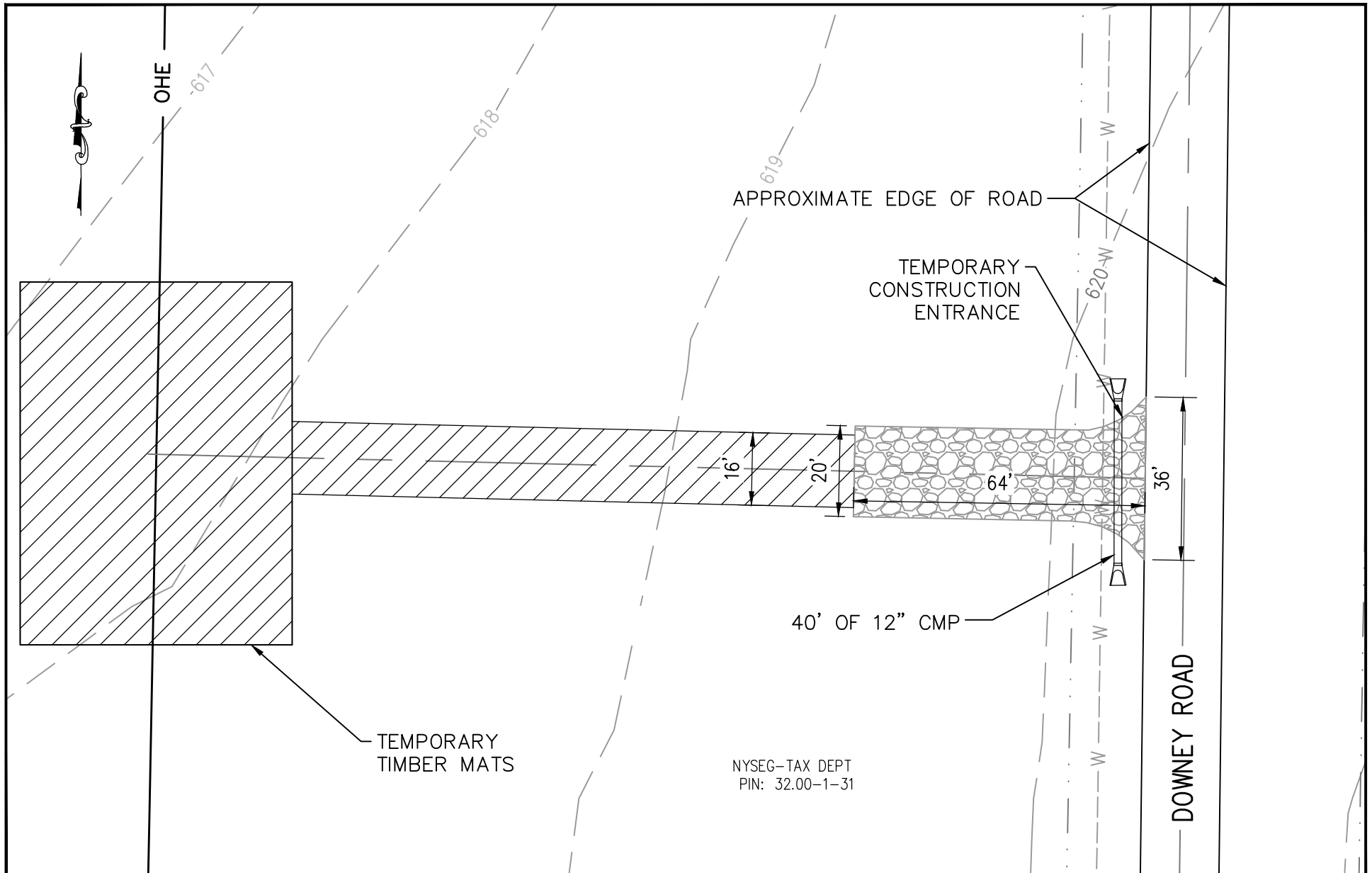


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 1-17 (UPDATED 2020-07-30).DWG LAST SAVED BY: skcamposan 8/13/2020 2:22 PM PLOTTED BY: Nolan R. Foster 9/3/2020 2:56 PM Tab:13



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

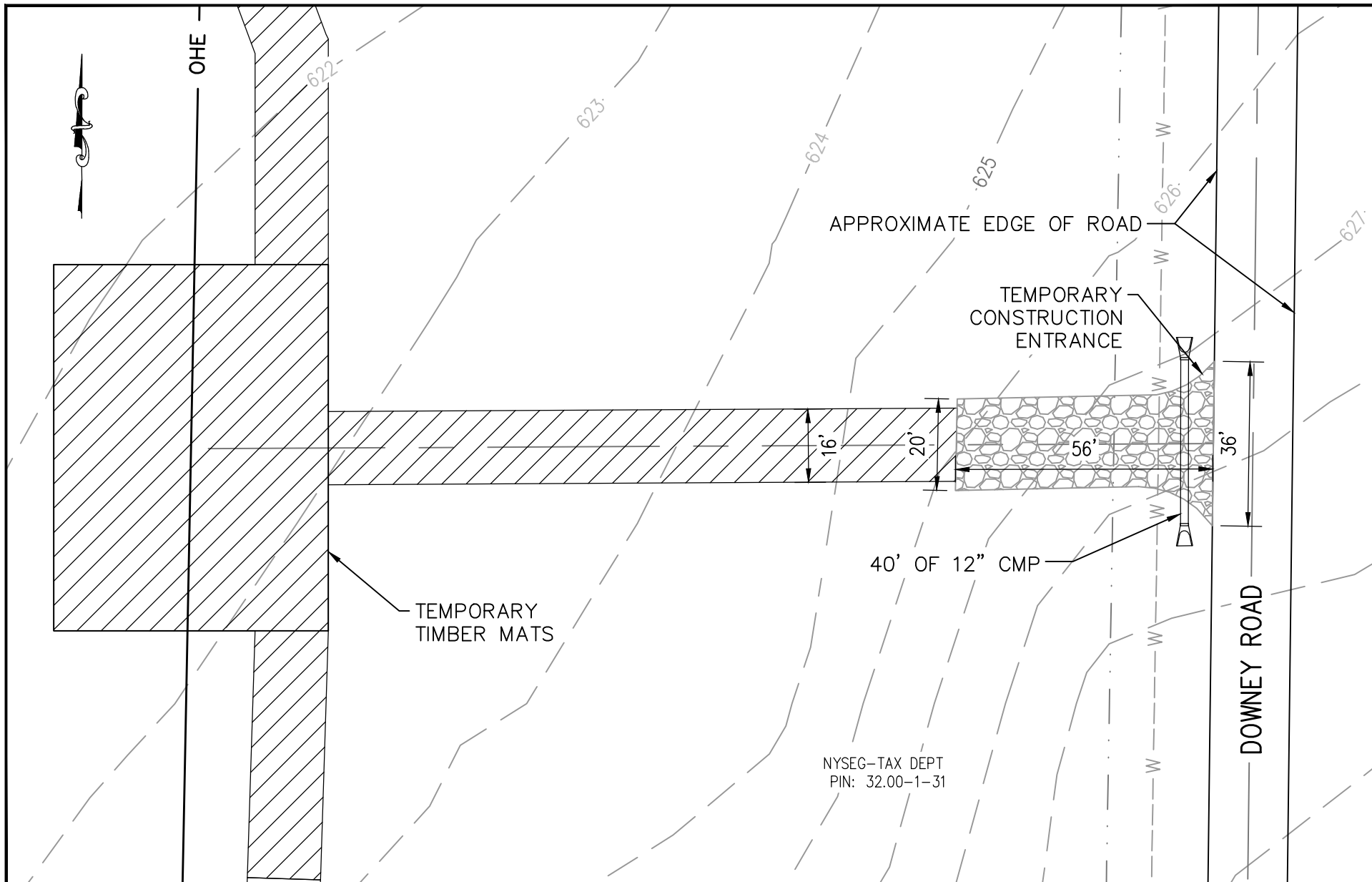


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 1-17 (UPDATED 2020-07-30).DWG LAST SAVED BY: skcomposon 8/13/2020 2:22 PM PLOTTED BY: Nolan R. Foster 9/3/2020 2:58 PM Tab:14



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



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 3:00 PM Tab:15

Engineering with Distinction™

ECI ECI ENGINEERING SERVICES, P.C.

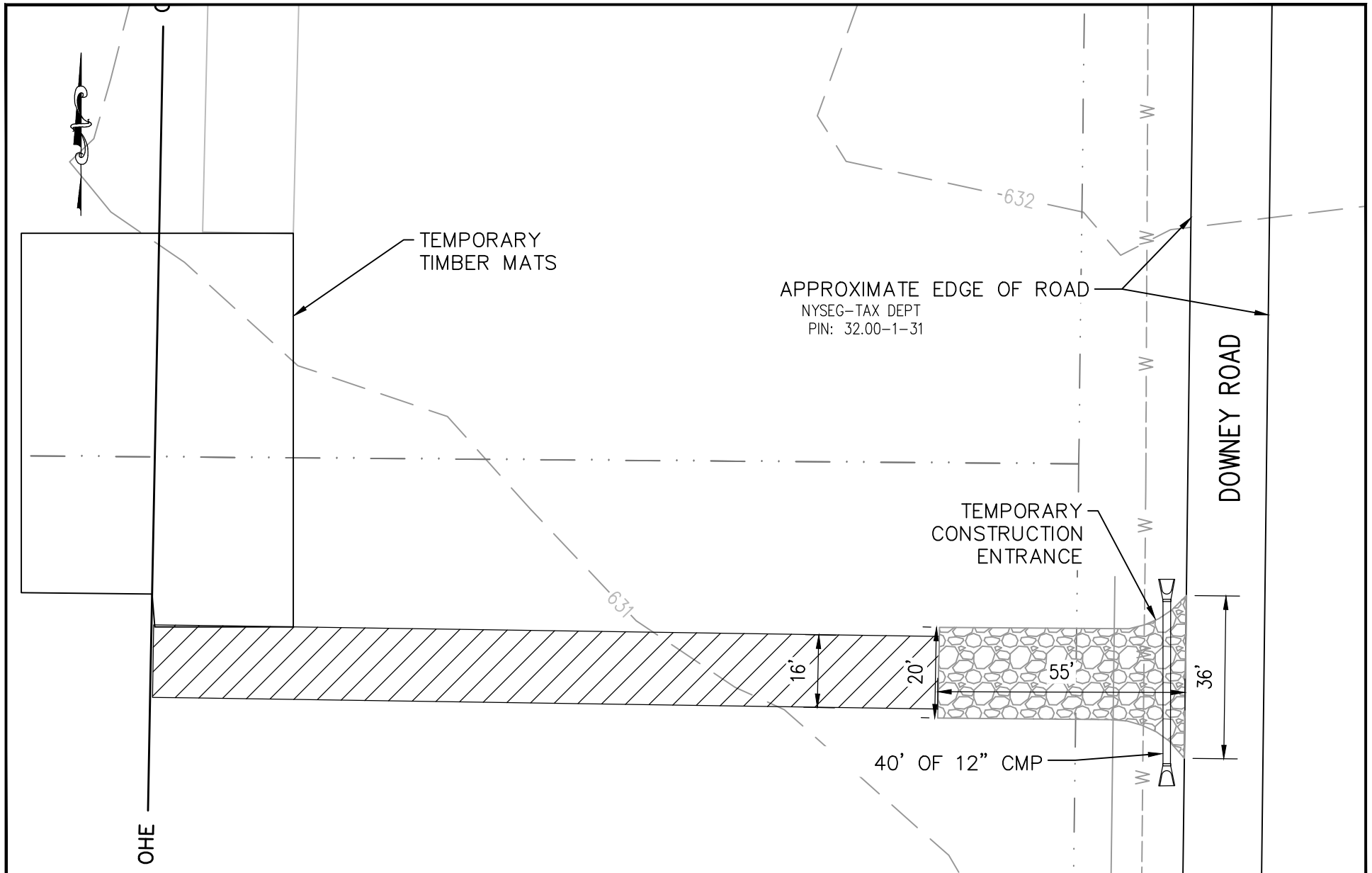
NEXTERA™
ENERGY

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 15 PLAN**

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



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

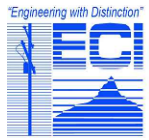
TEMPORARY
TIMBER MATS

OHE

DOWNNEY 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

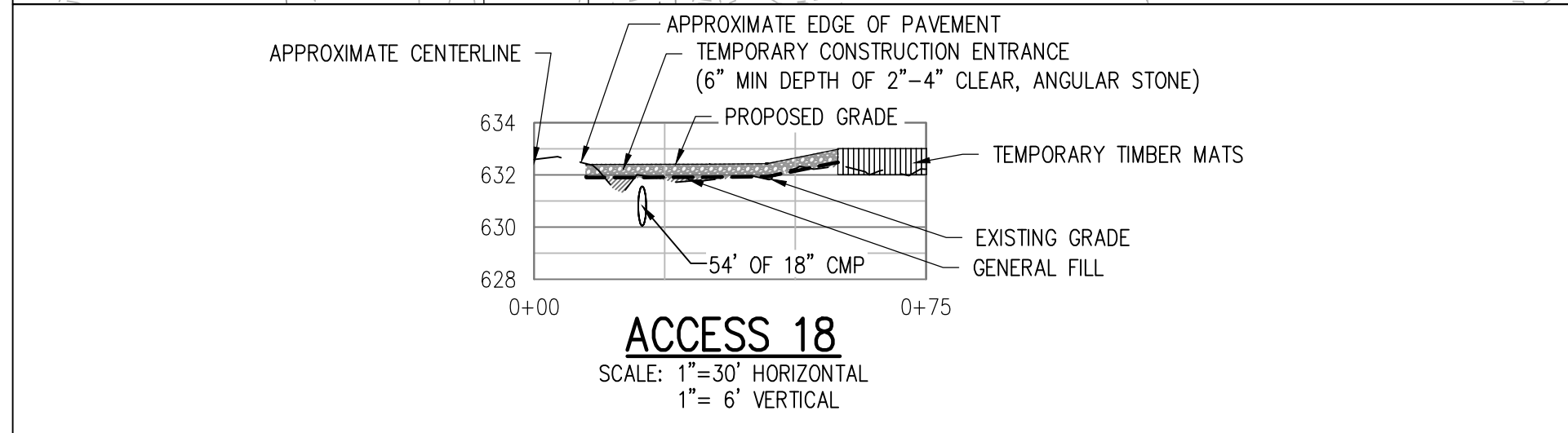
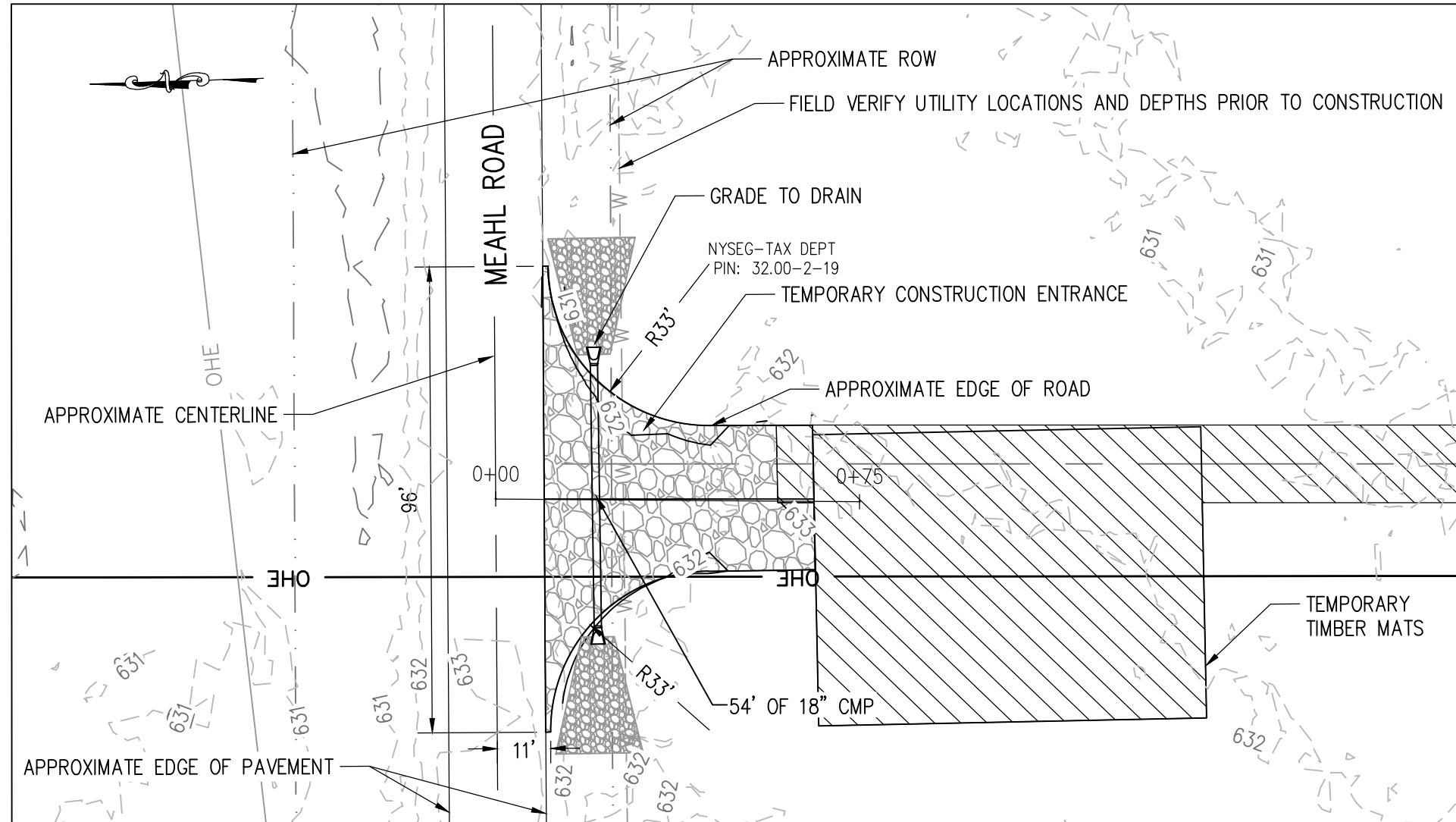


ECI ENGINEERING
SERVICES, P.C.



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 17 PLAN	
DWG. NAME: EST-D-P002-17	REV NO: C



NOTES:

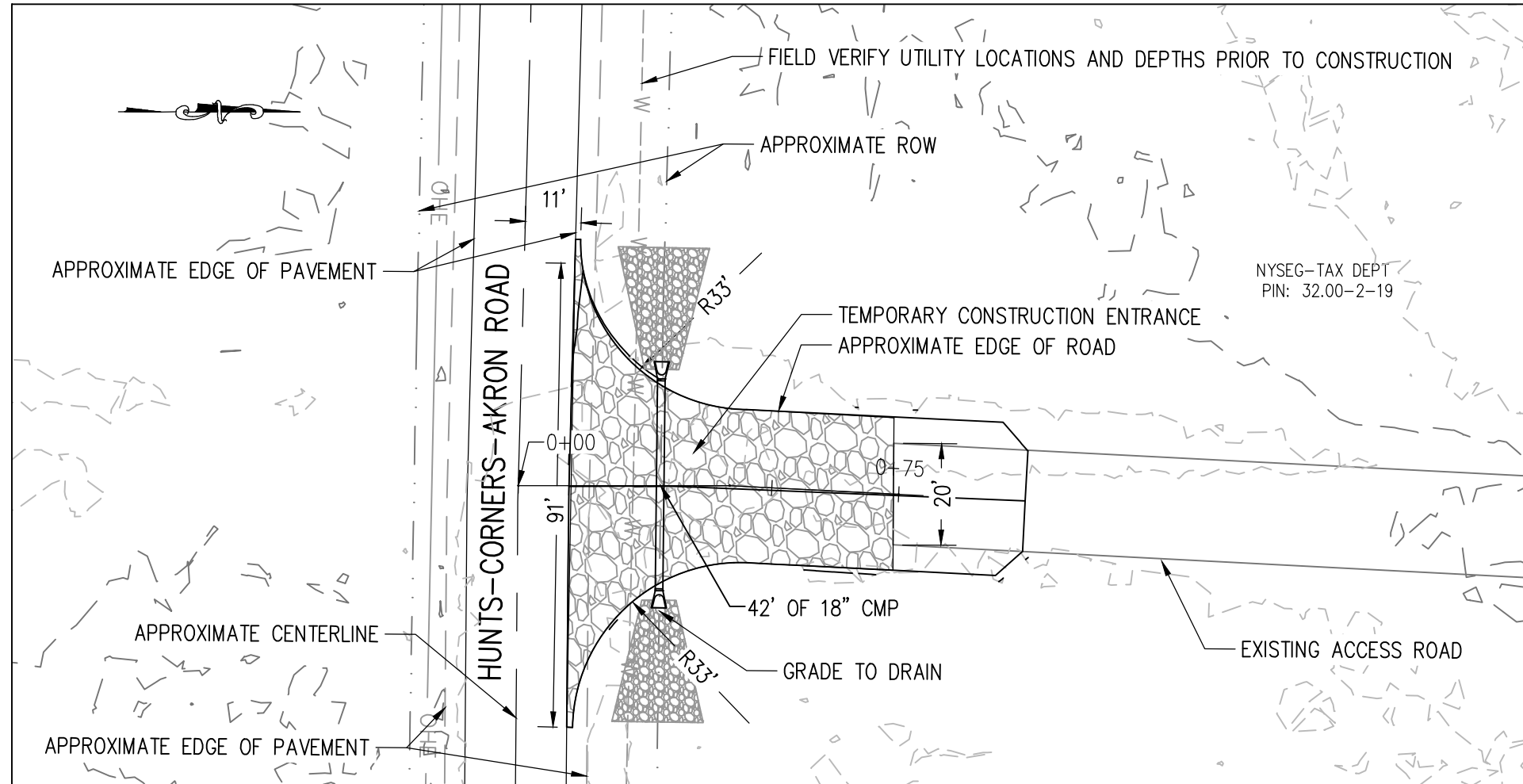
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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)

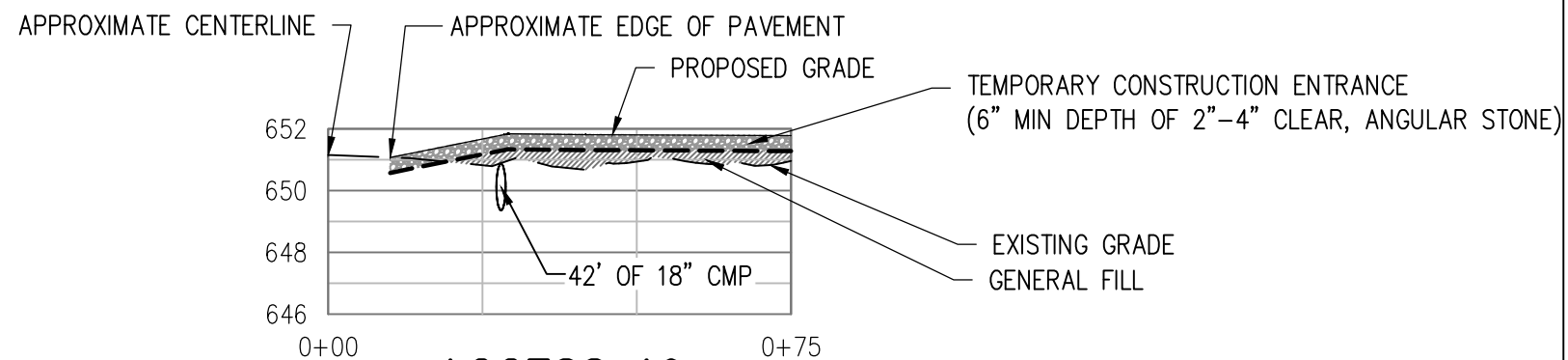
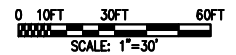


ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

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



NYSEG-TAX DEPT
PIN: 32.00-2-19



ACCESS 19

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

NOTES:

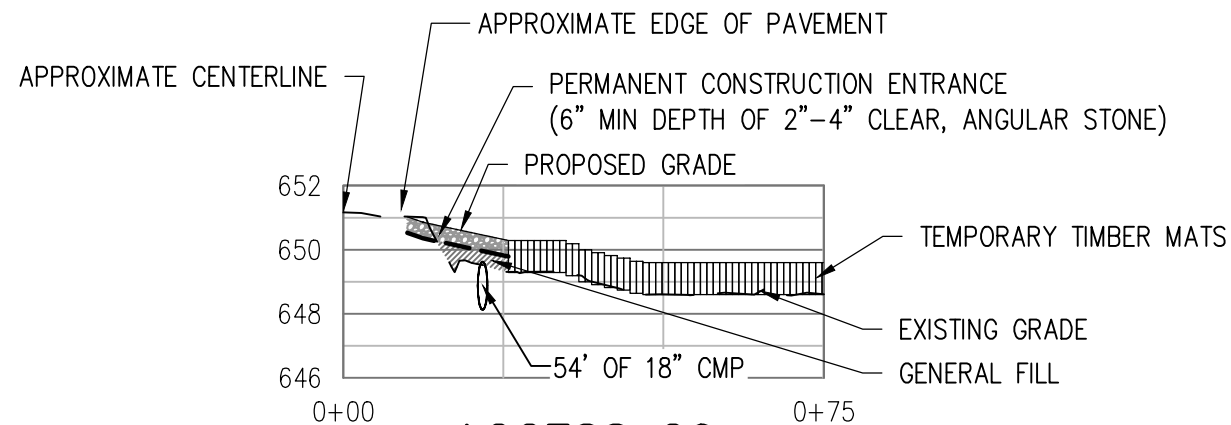
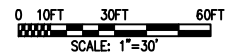
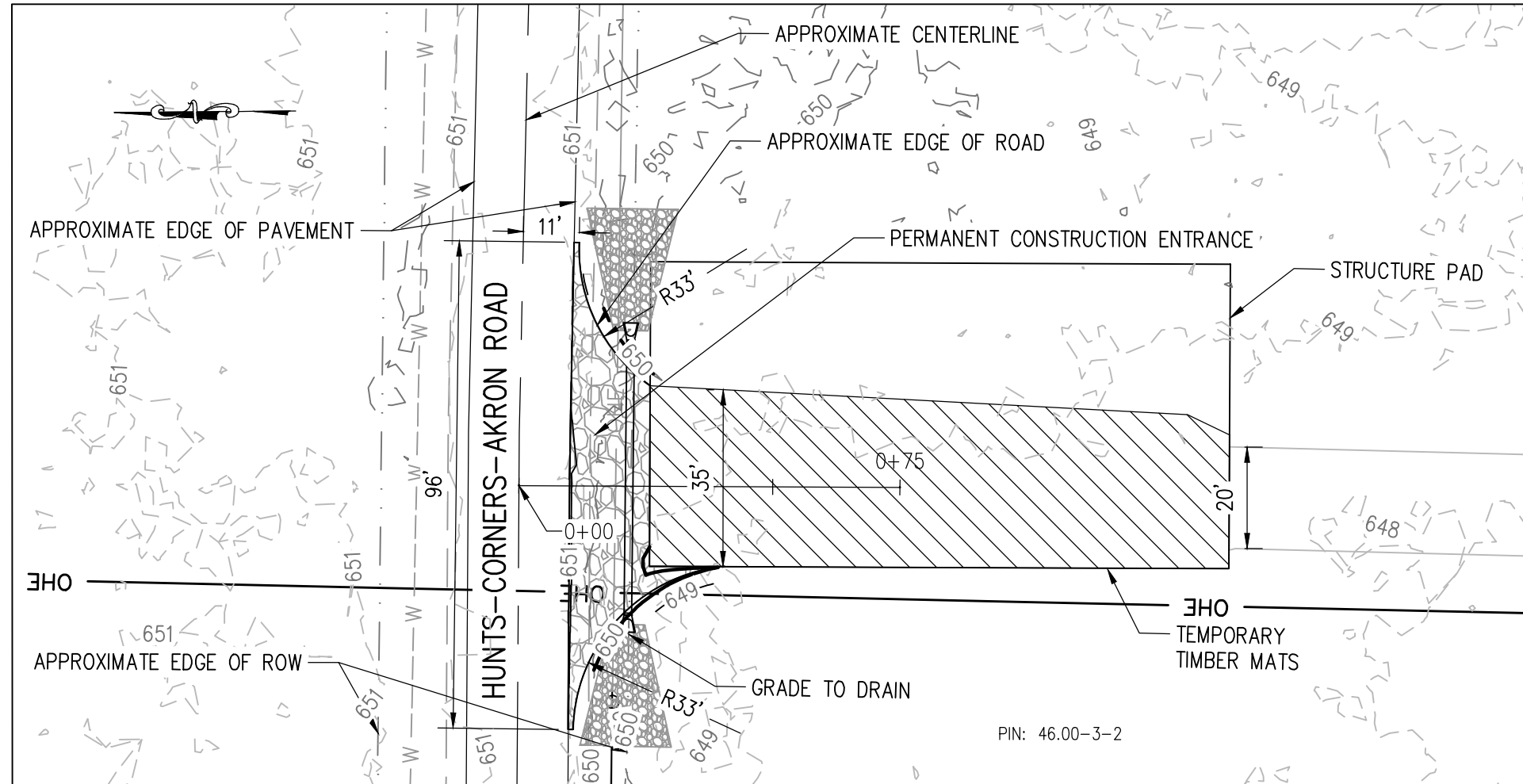
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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 3:16 PM Tab:19 (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 19 PLAN & PROFILE		DWG. NAME:	EST-D-P002-19	REV NO:	C



ACCESS 20

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

NOTES:

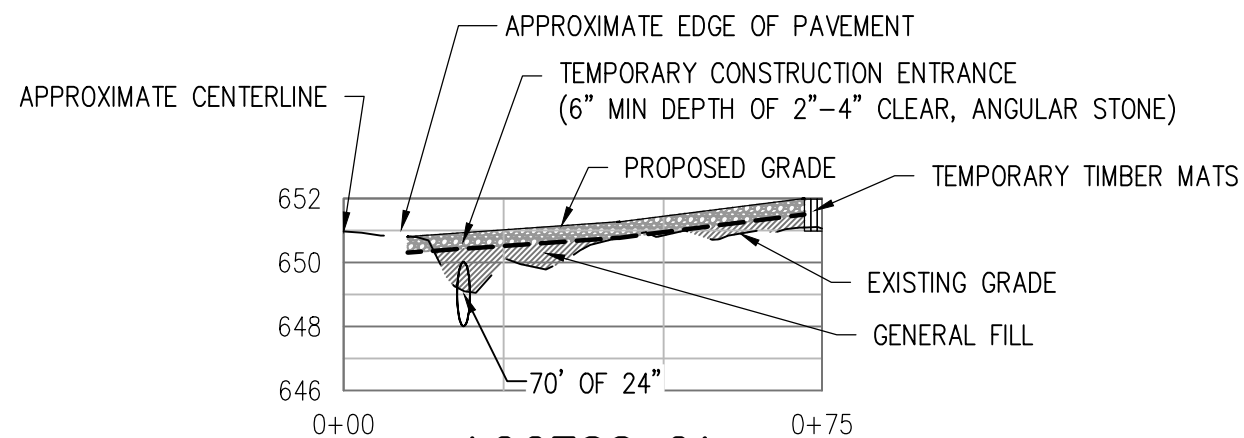
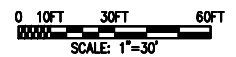
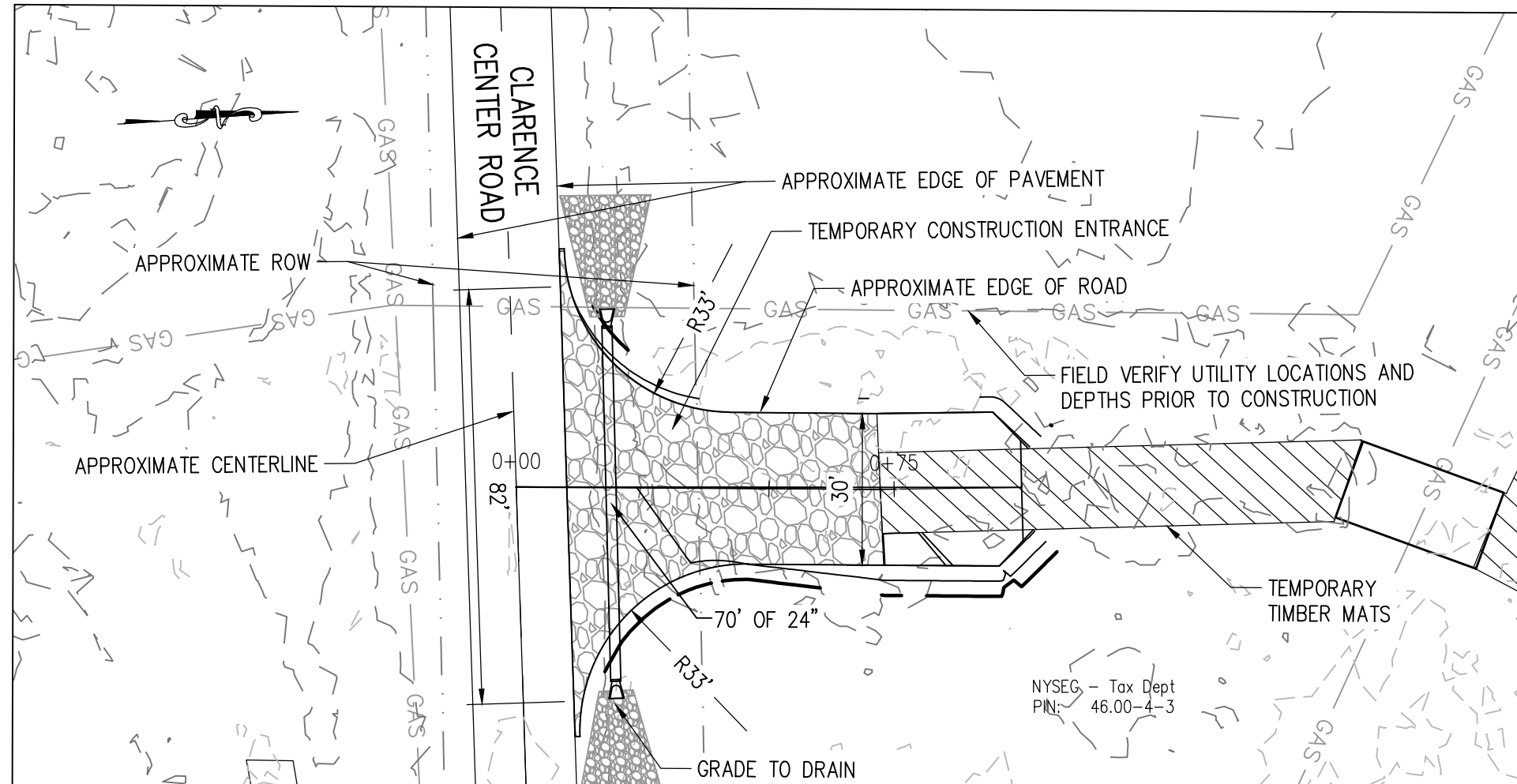
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: 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: nrfoster 9/15/2020 8:49 AM PLOTTED BY: Nolan R. Foster 9/15/2020 8:50 AM 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.

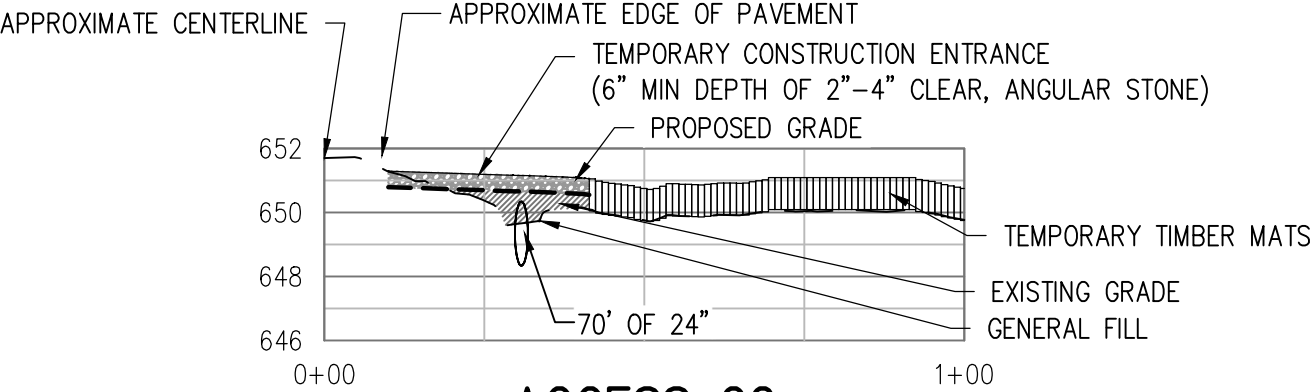
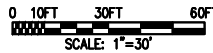
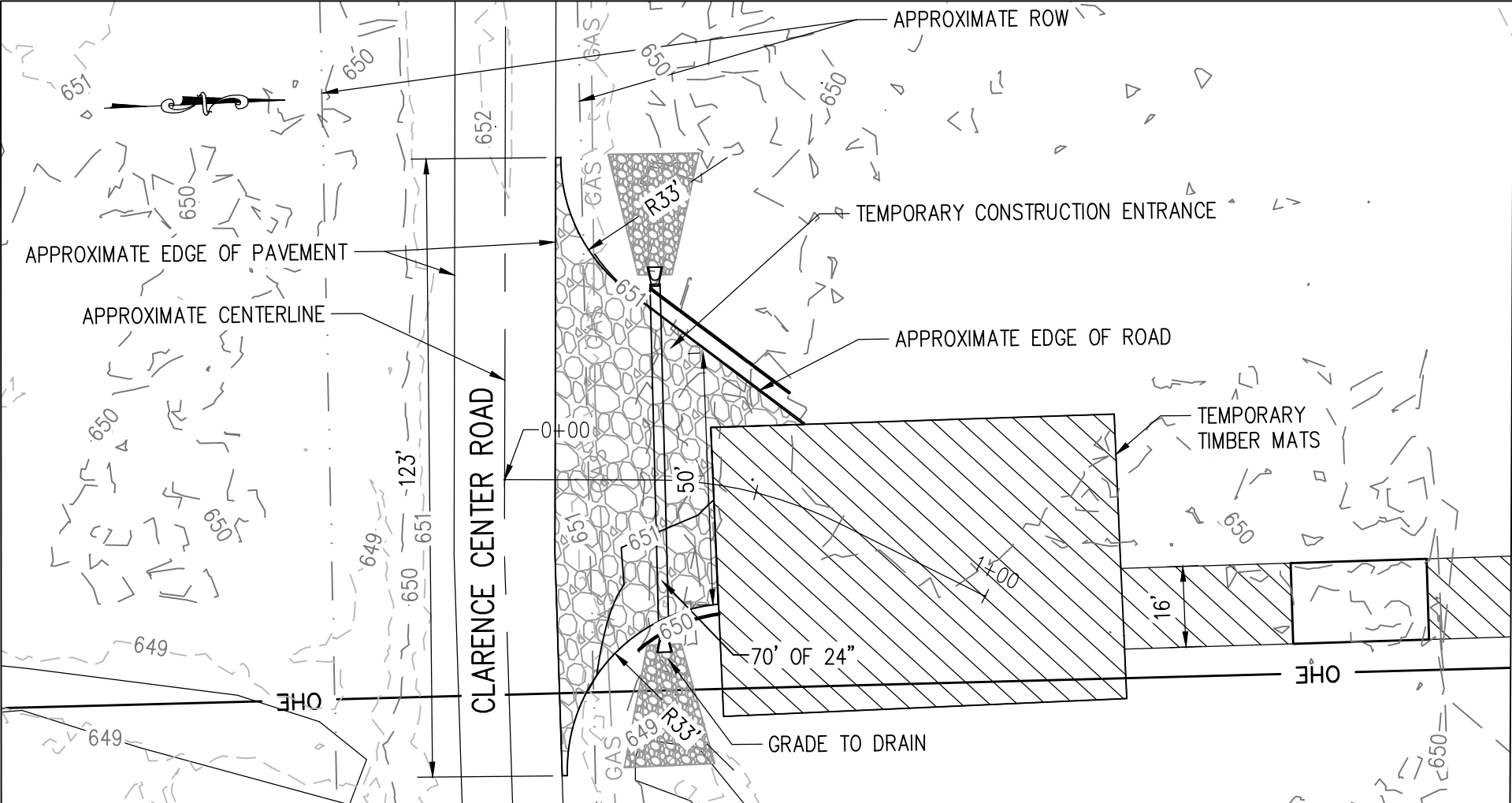
FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 18-37.DWG LAST SAVED BY: skcamposon 8/13/2020 1:49 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:18 PM Tab:21 (11x17)



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:

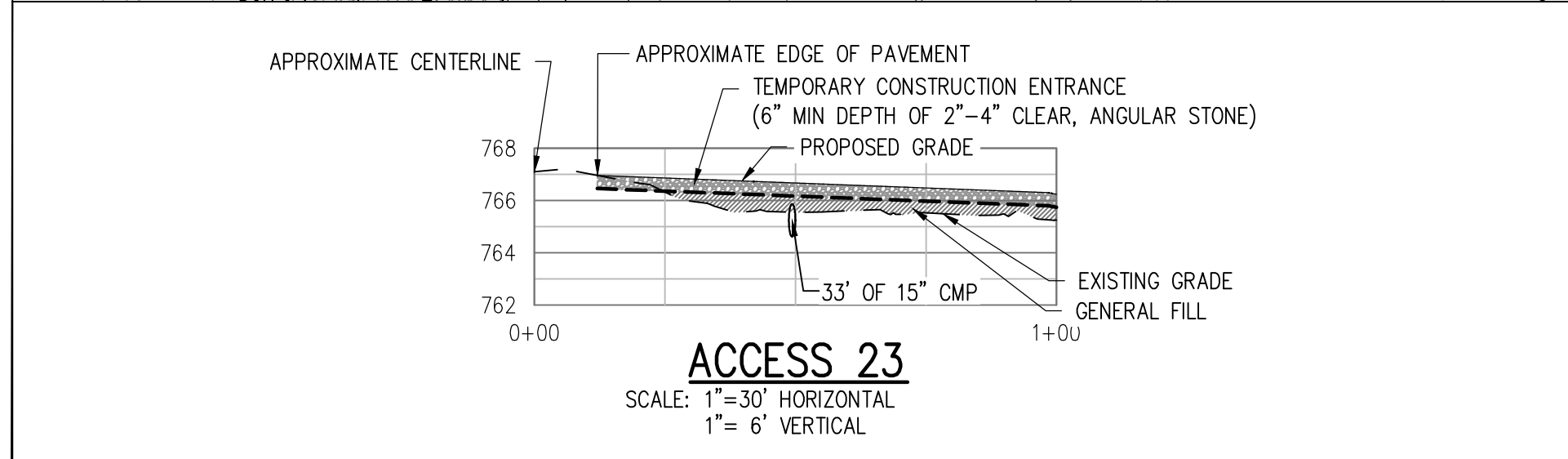
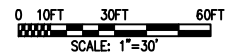
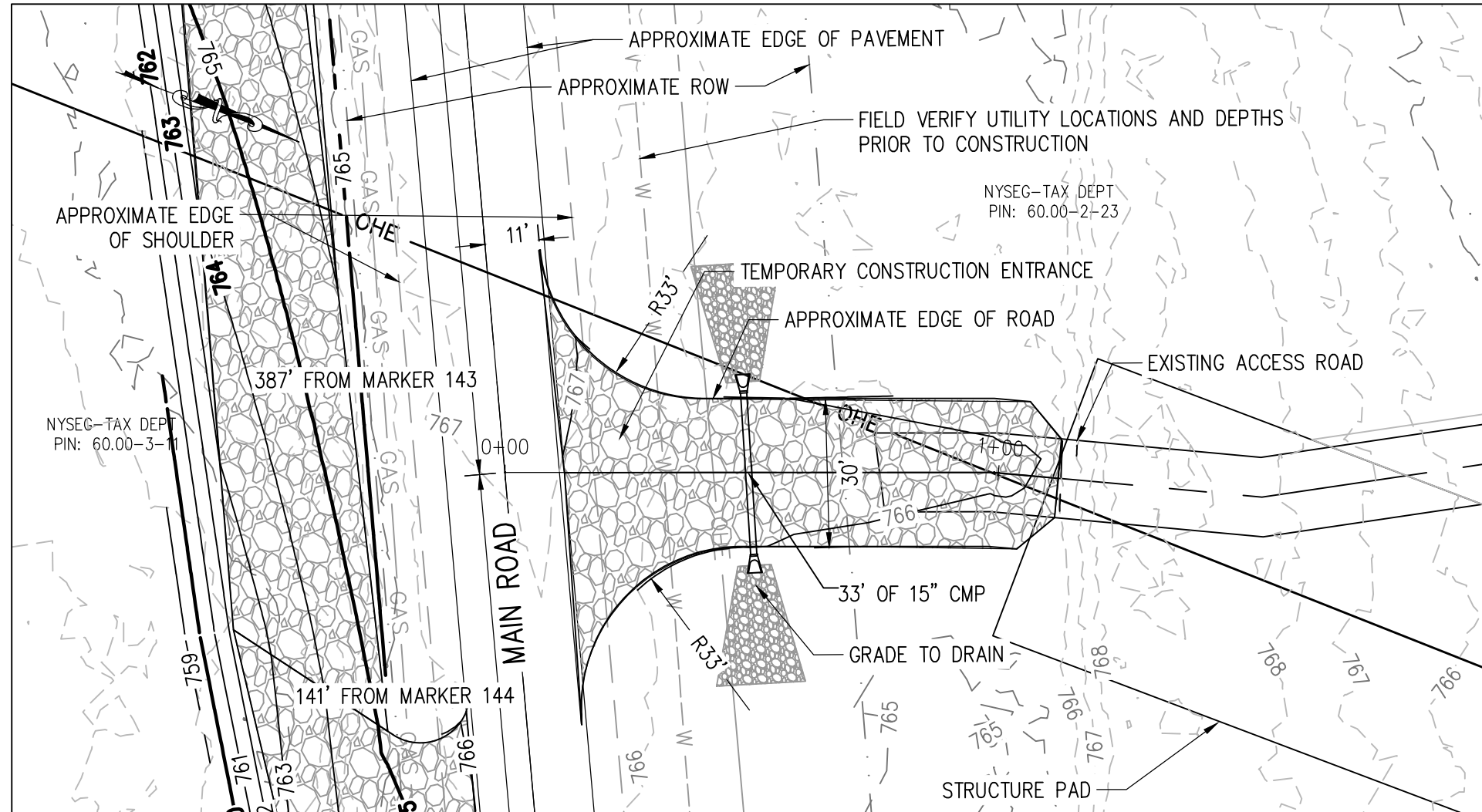
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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:

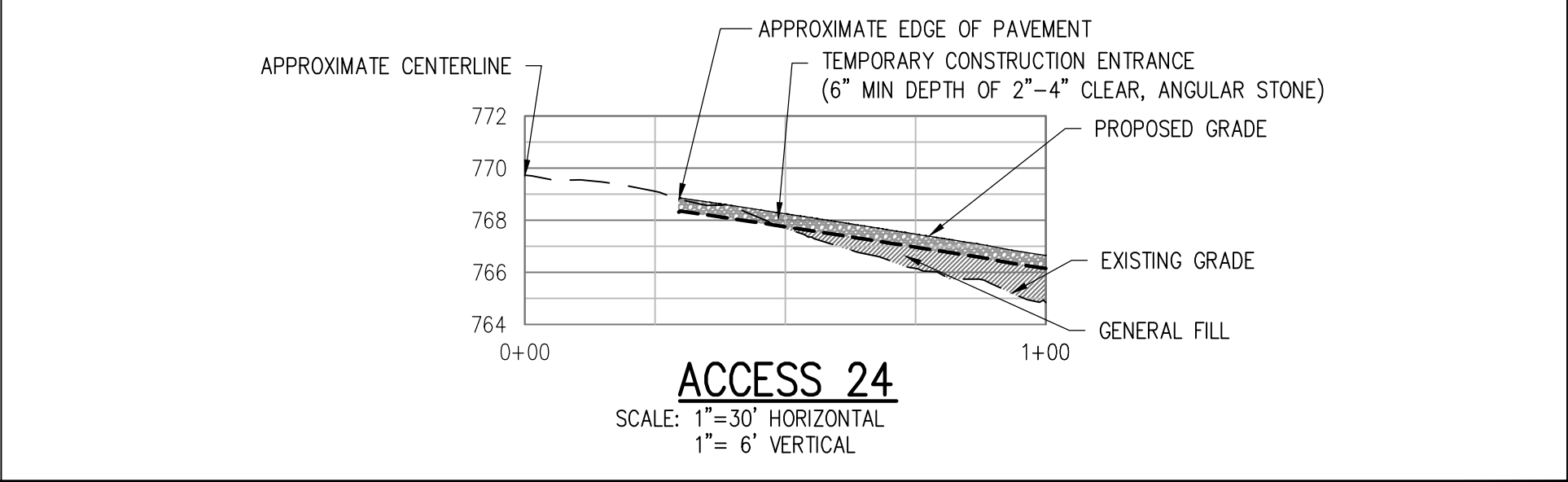
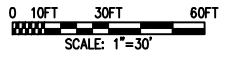
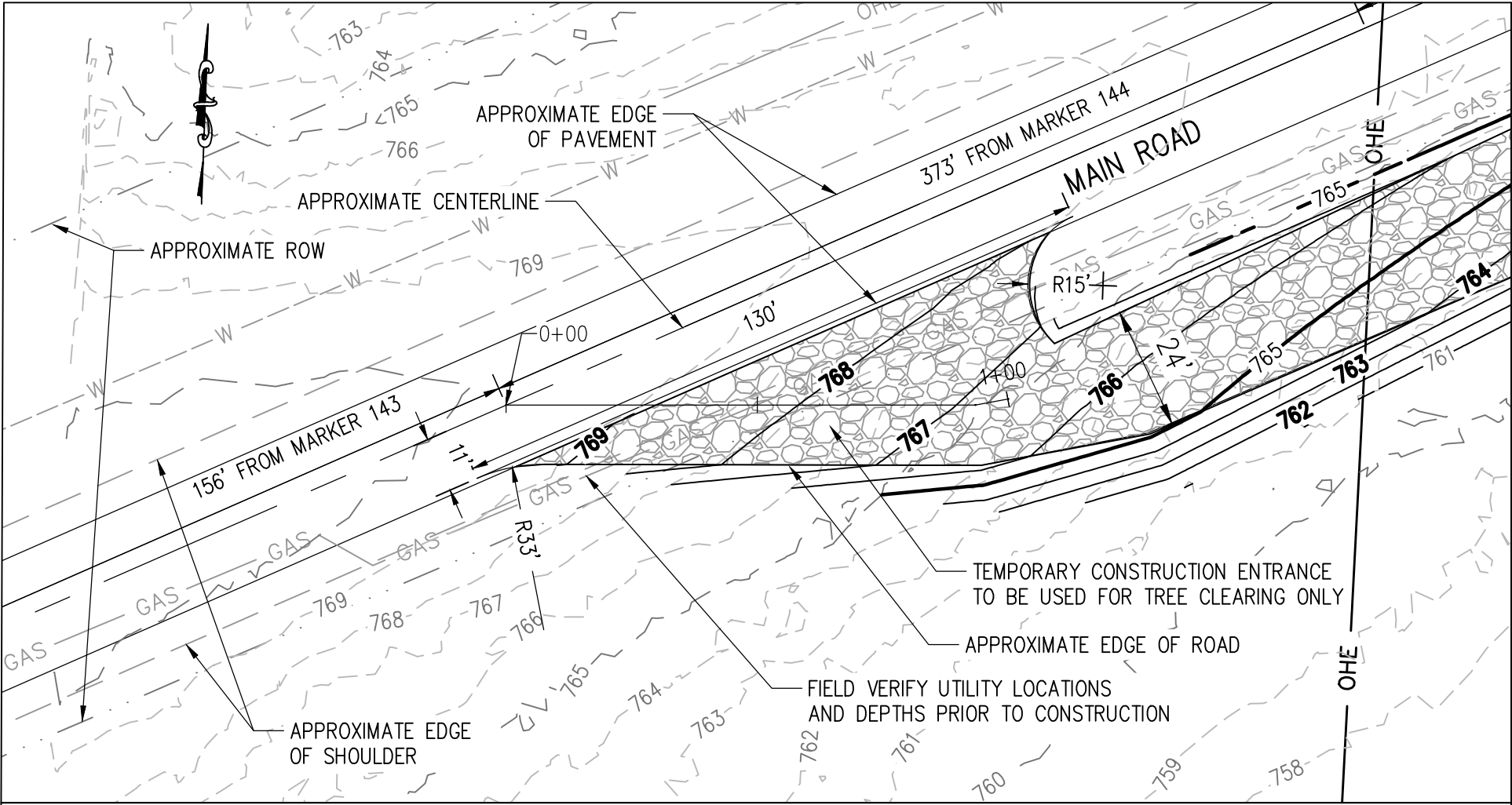
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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



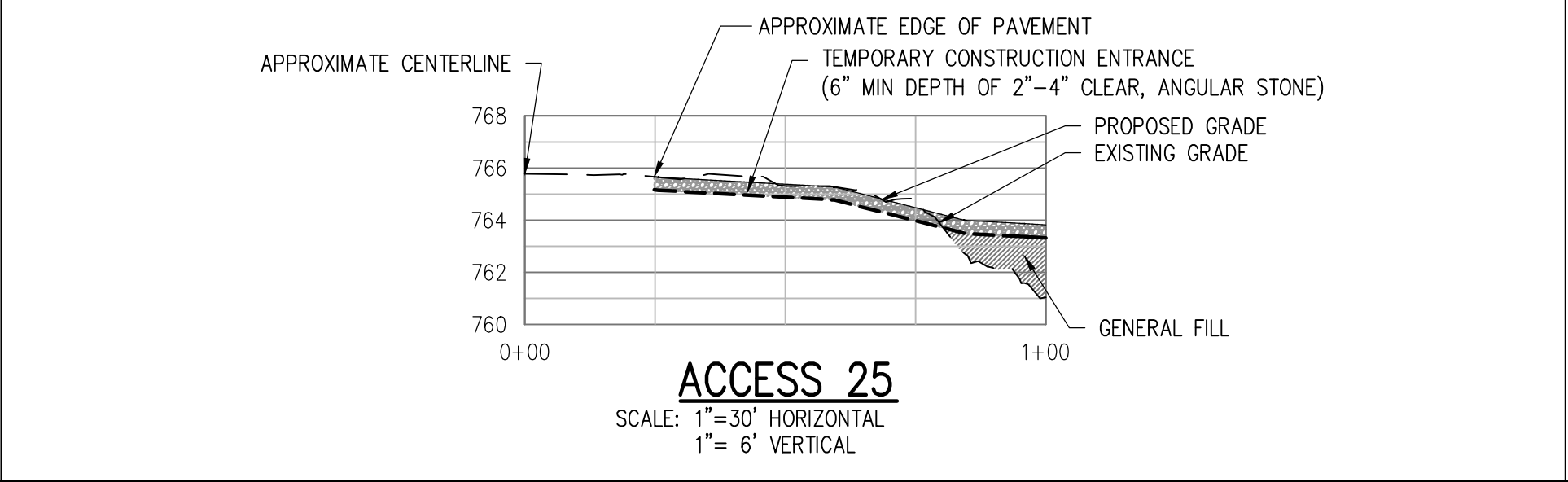
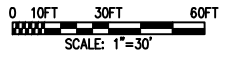
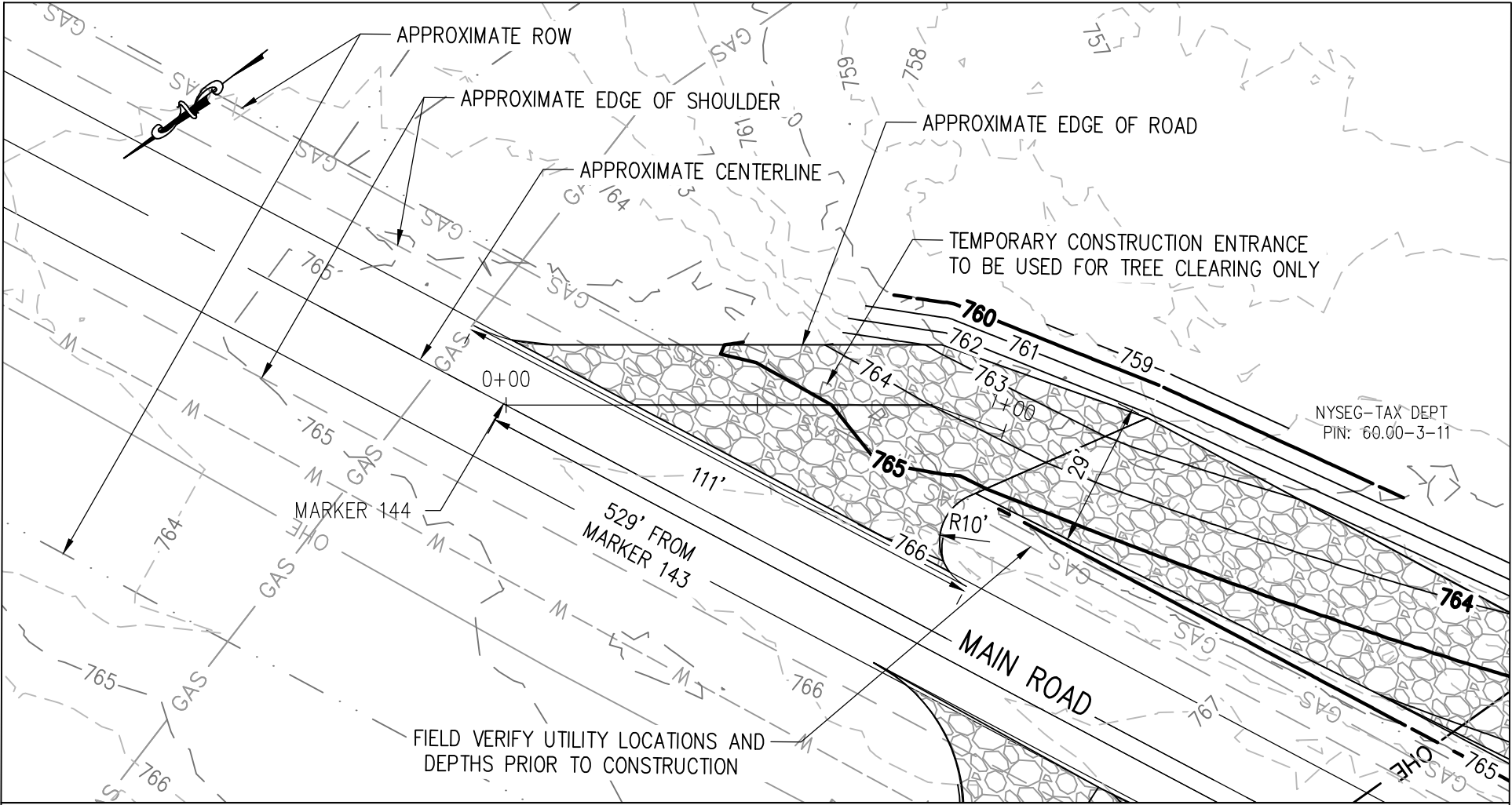
- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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



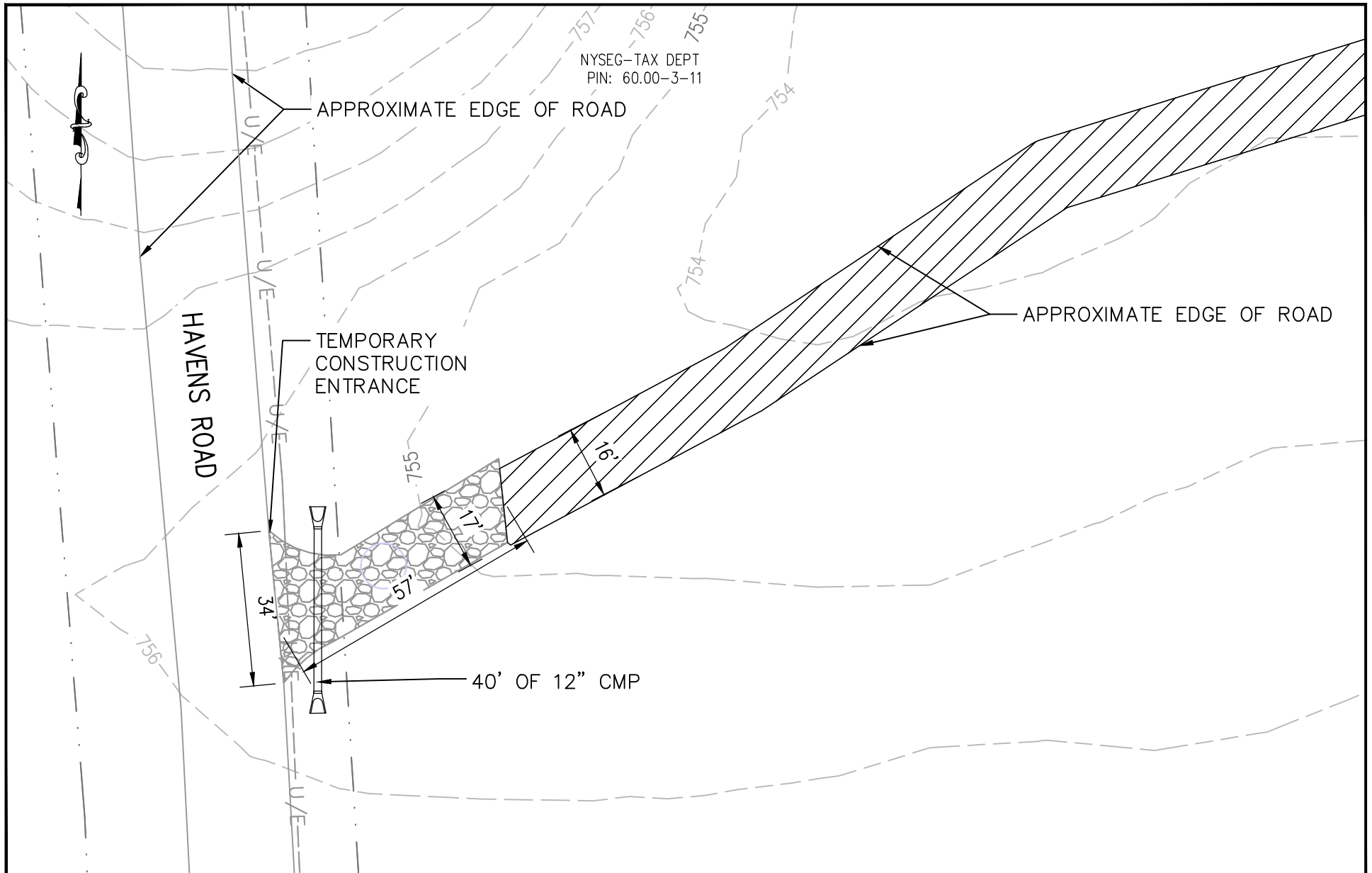
- NOTES:
- 1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 - 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 - 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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

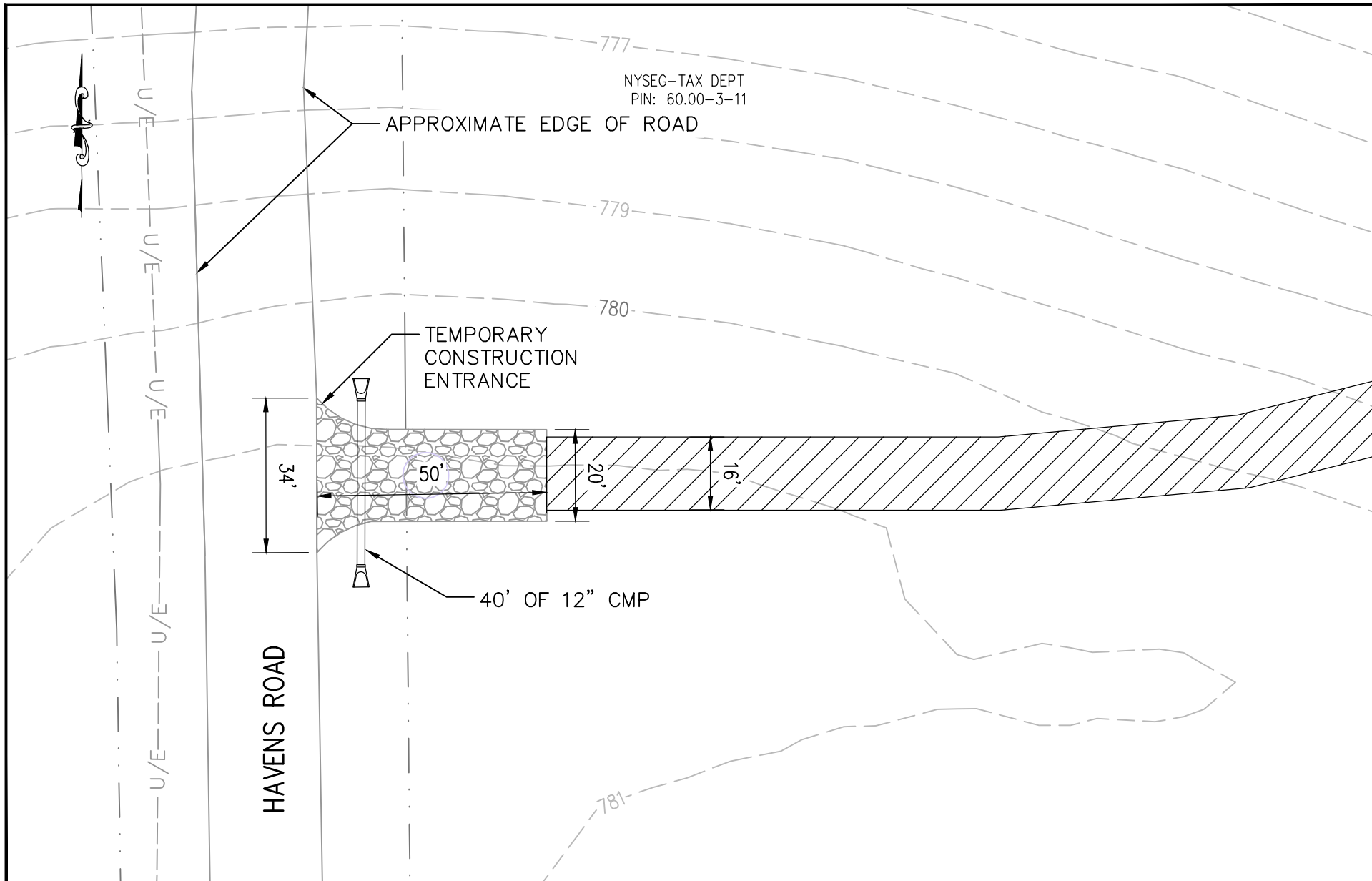


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 18-35 2020-08-06.DWG LAST SAVED BY: nrfoster 8/14/2020 8:47 AM PLOTTED BY: Nolan R. Foster 9/3/2020 3:32 PM Tab:26 FORMERLY (30)

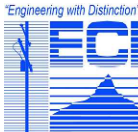


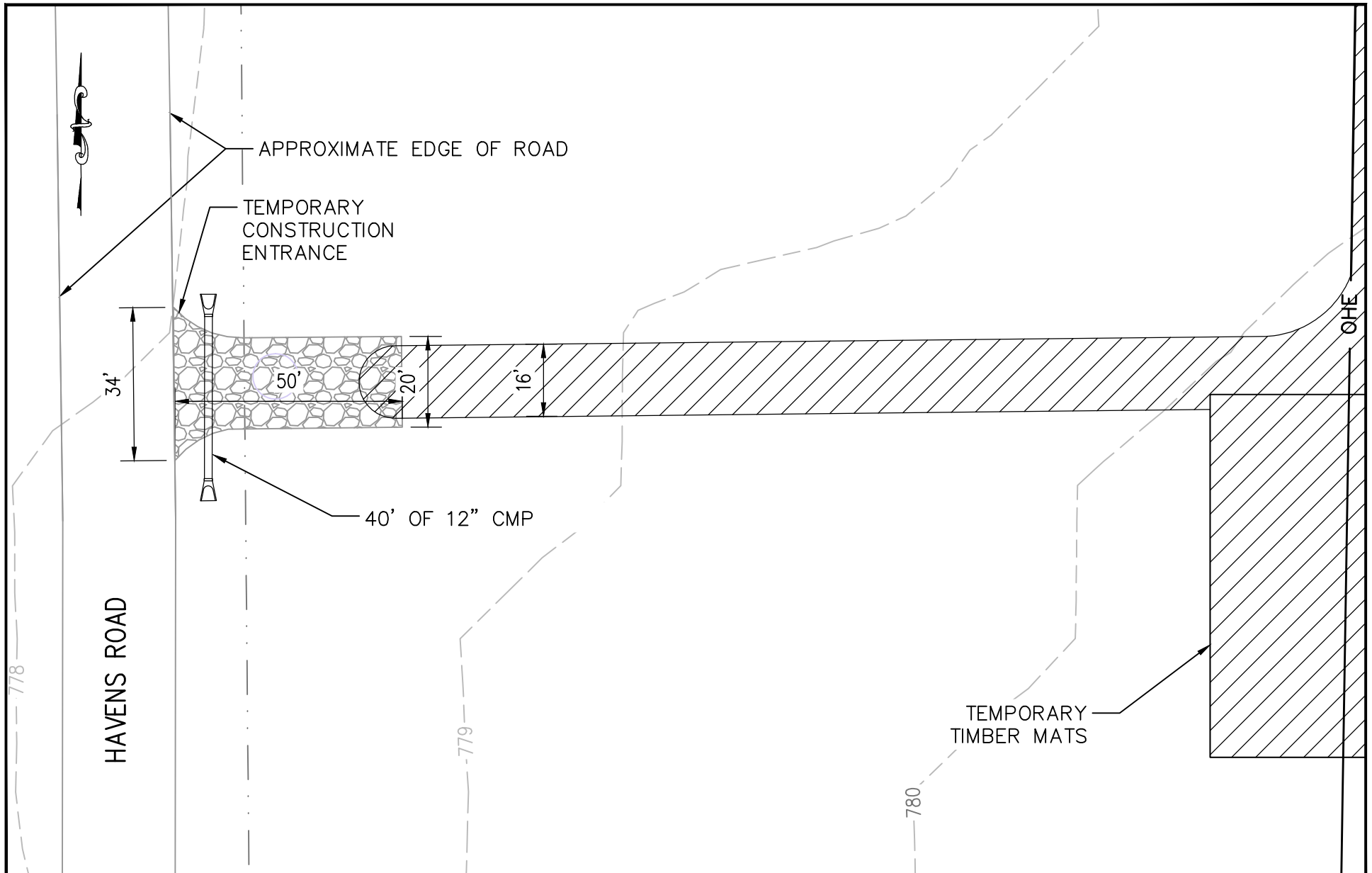
ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

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	EMPIRE STATE LINE ENTRANCE PLANS ACCESS 27 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-P002-27	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)

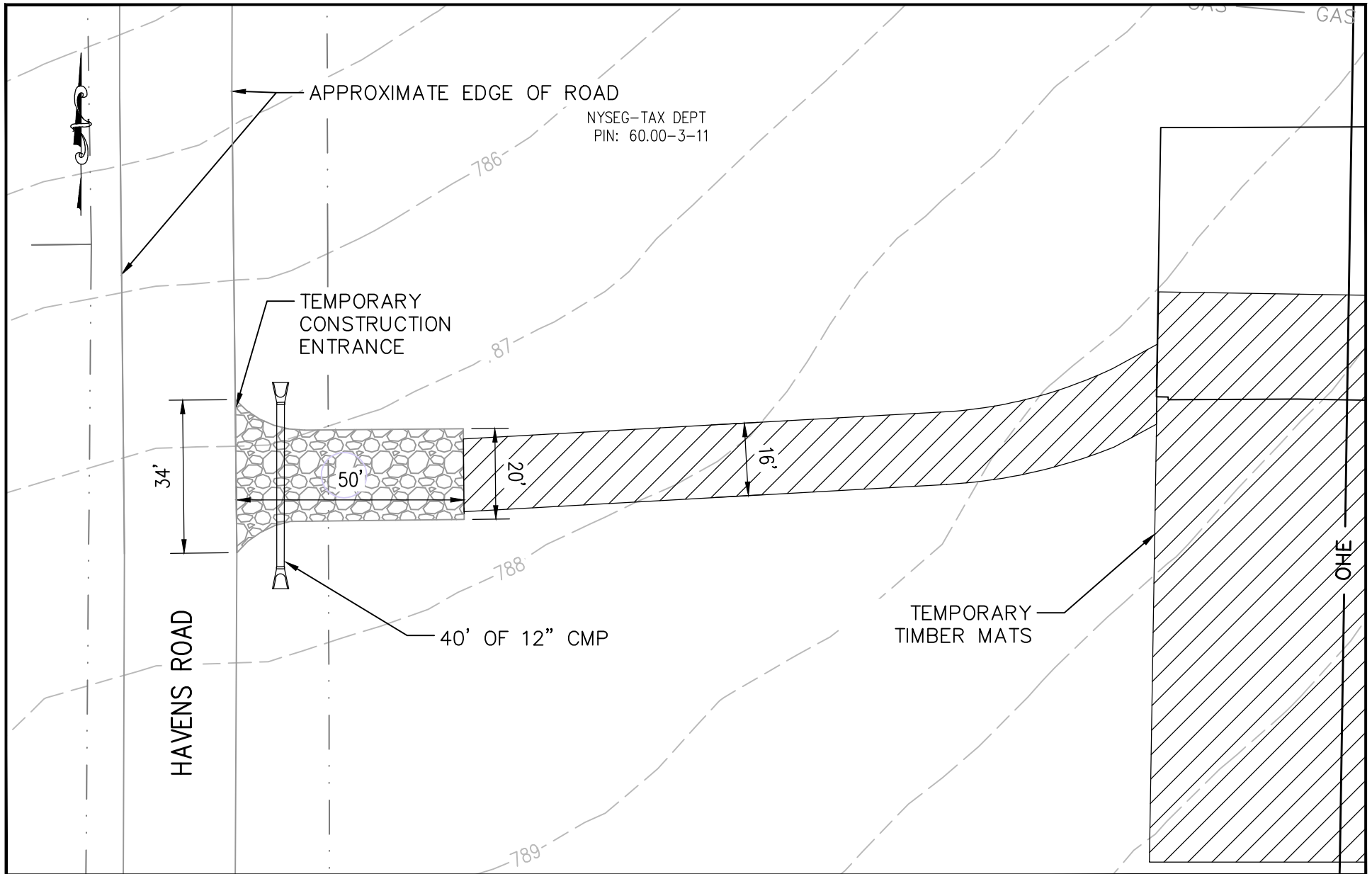


**ECI ENGINEERING
SERVICES, P.C.**

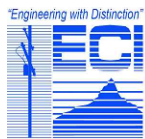


ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 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)

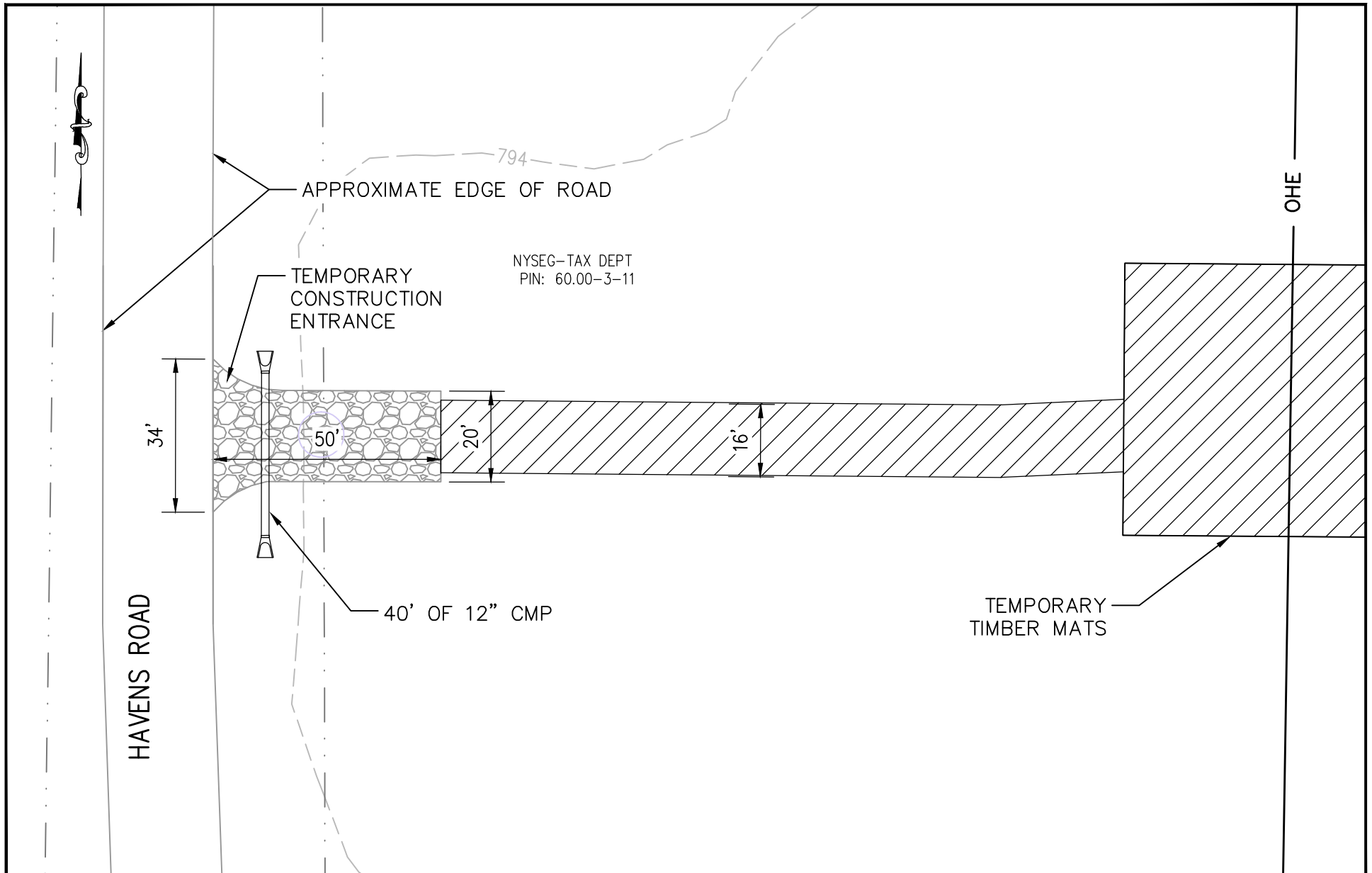


**ECI ENGINEERING
SERVICES, P.C.**



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)

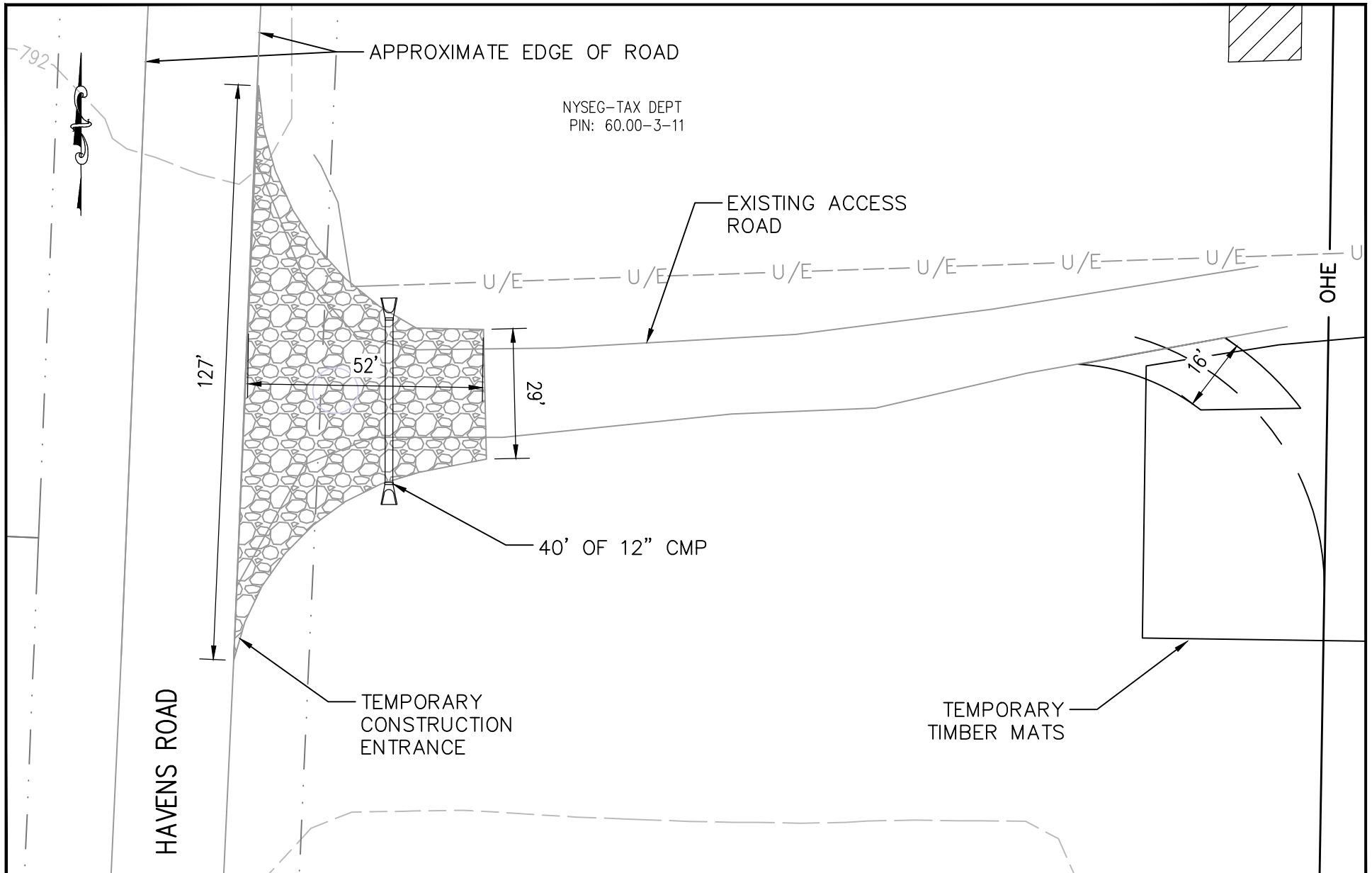


**ECI ENGINEERING
SERVICES, P.C.**



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

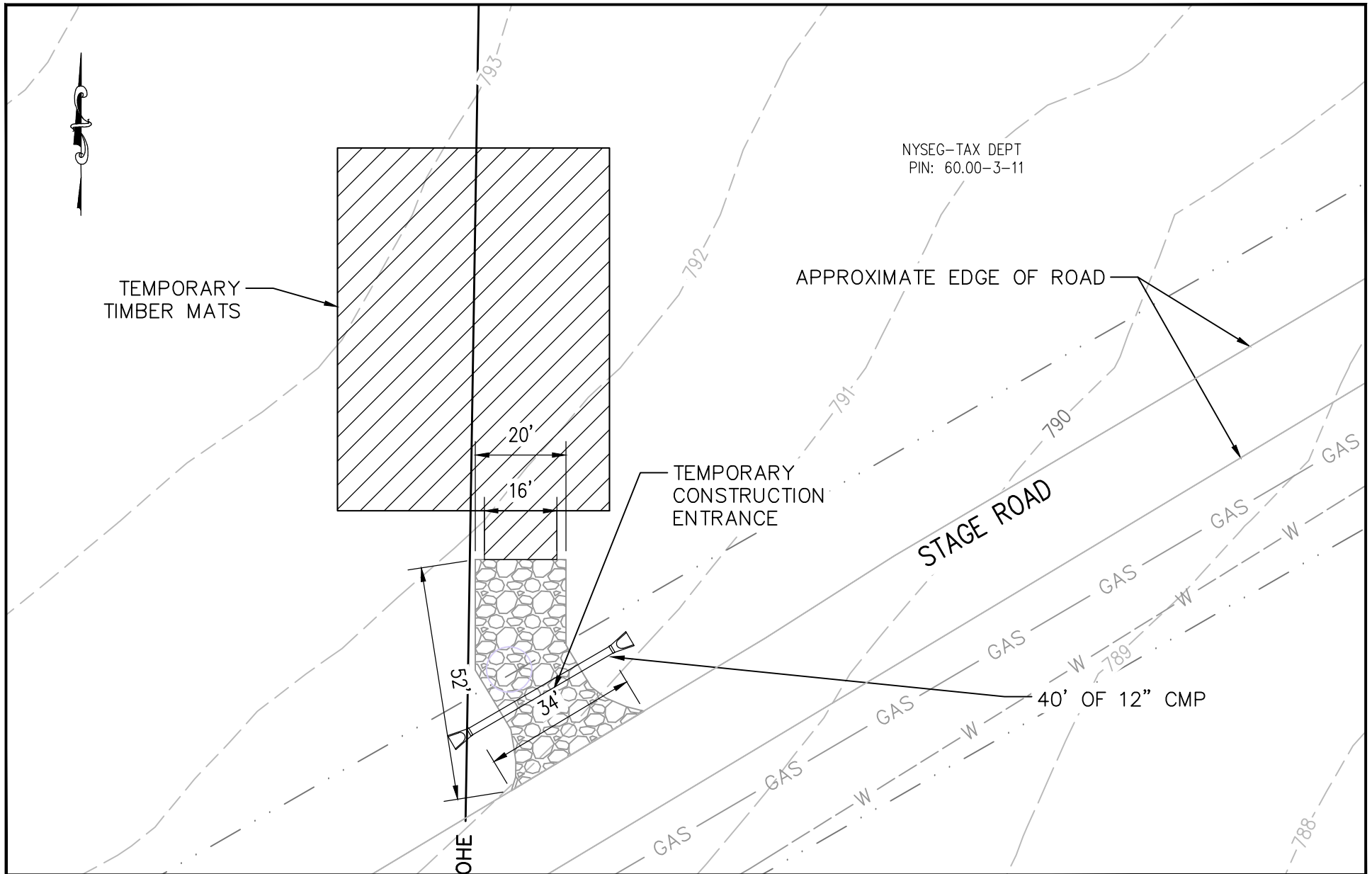


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 18-35 2020-08-06.DWG LAST SAVED BY: nrfoster 8/14/2020 8:47 AM PLOTTED BY: Nolan R. Foster 9/3/2020 3:40 PM Tab:31 (35)



ENGINEERING 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 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)

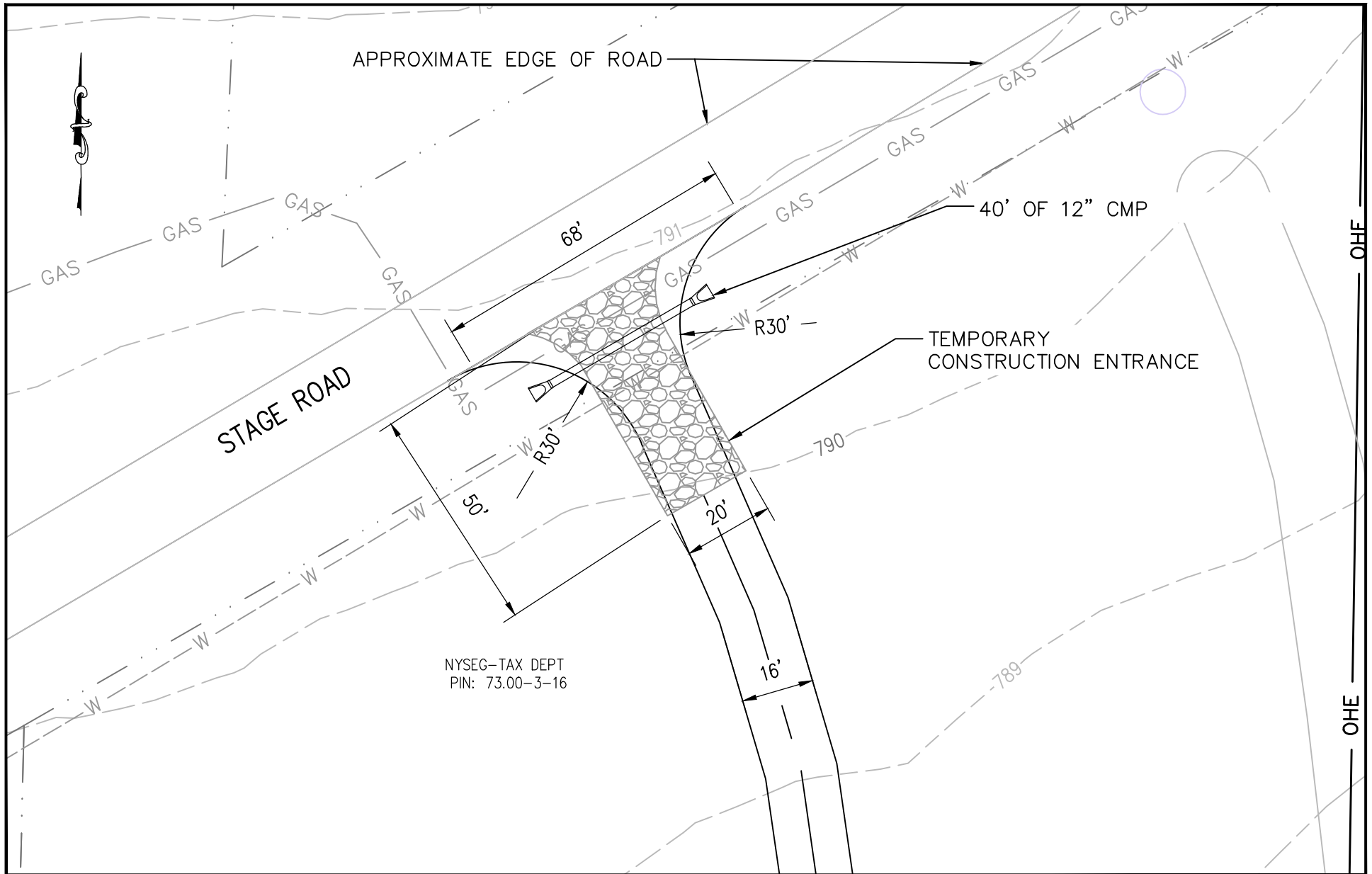


ECI ENGINEERING
SERVICES, P.C.

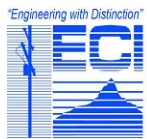


ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

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)

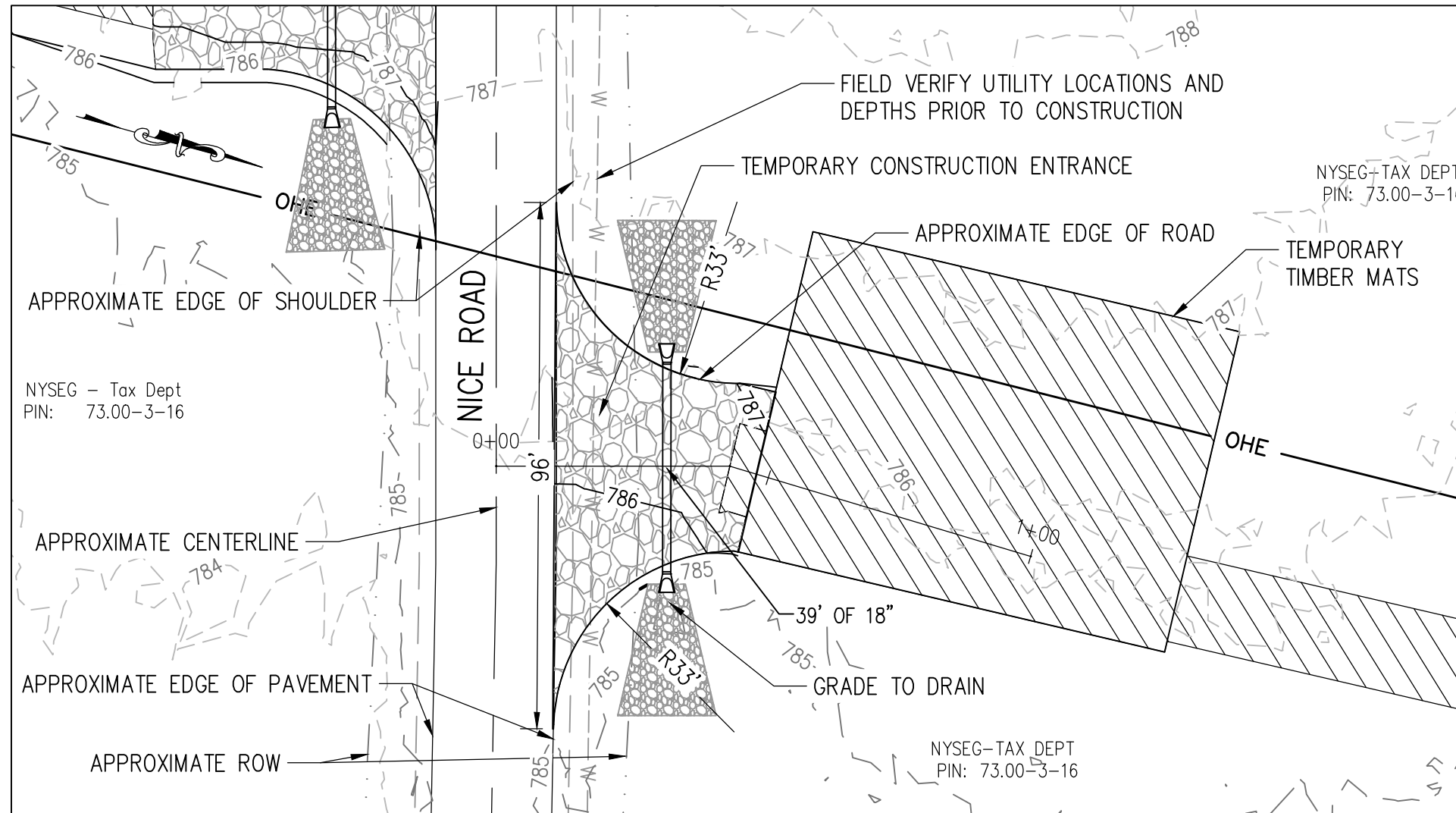


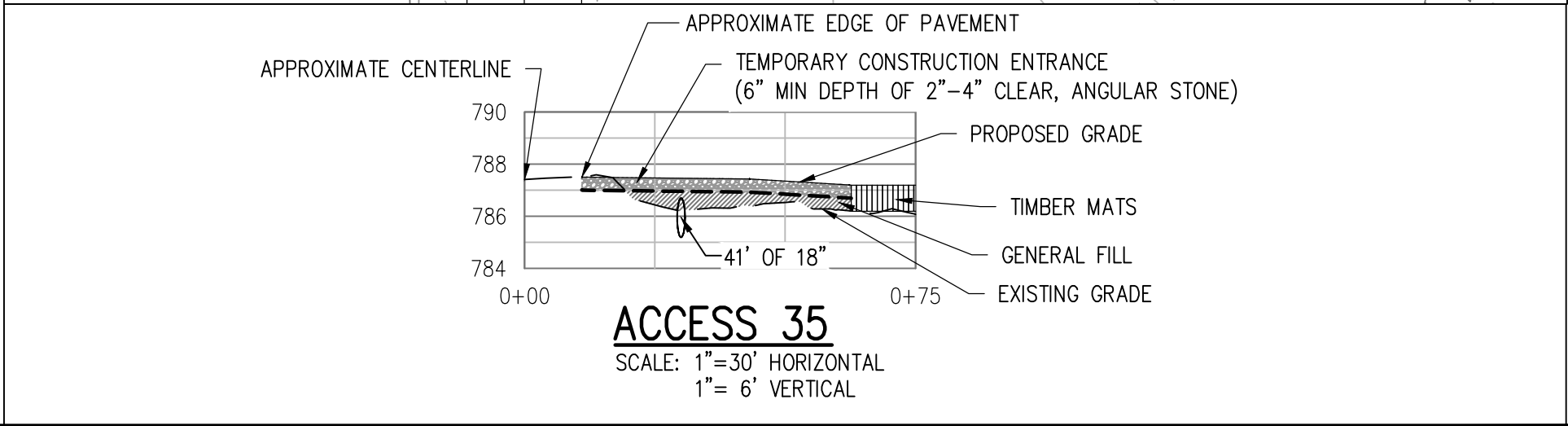
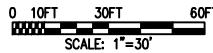
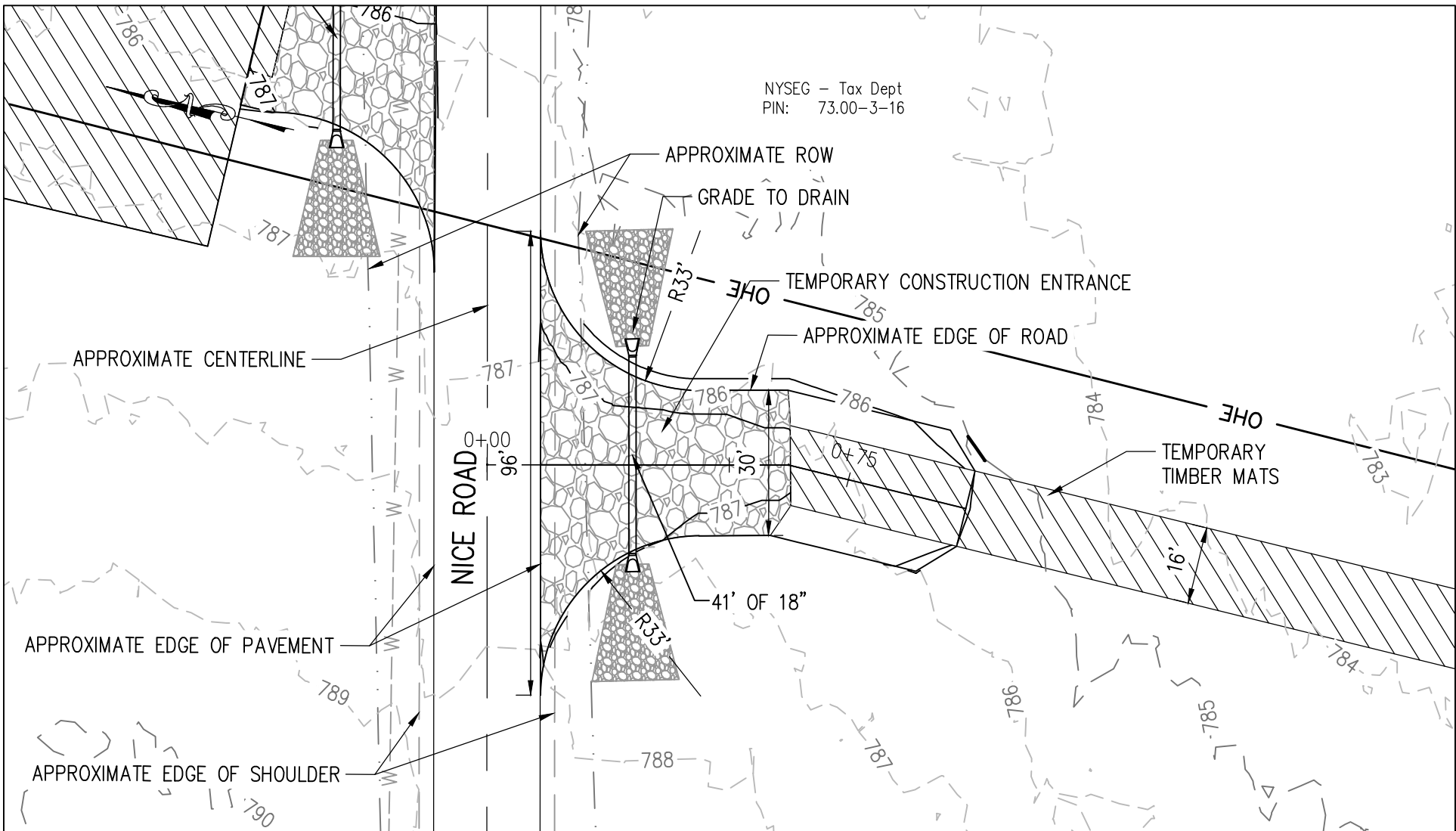
ECI ENGINEERING
SERVICES, P.C.



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





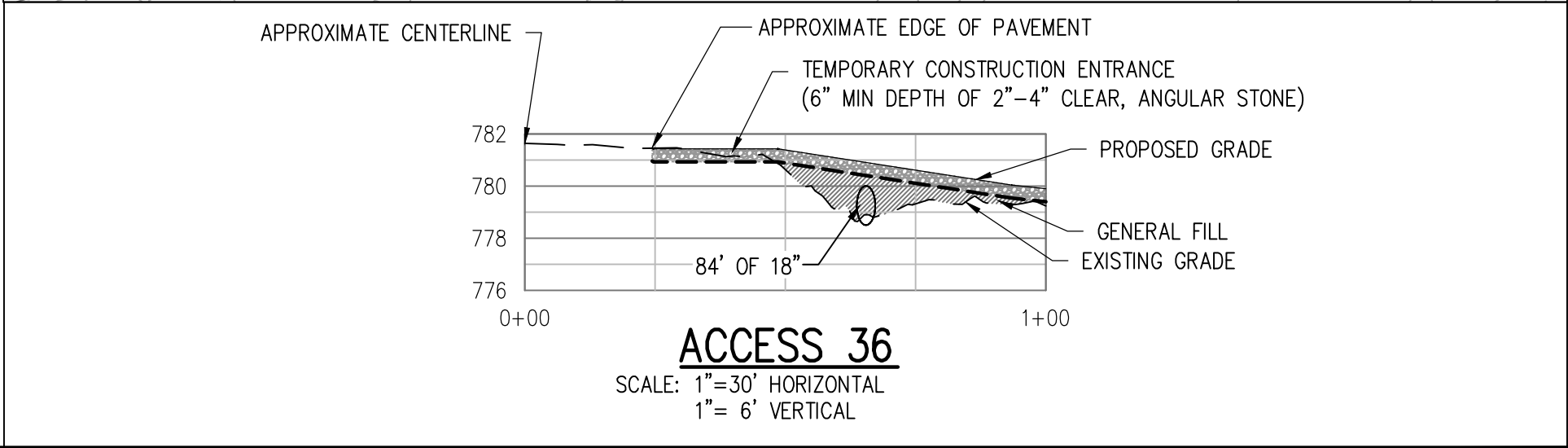
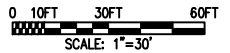
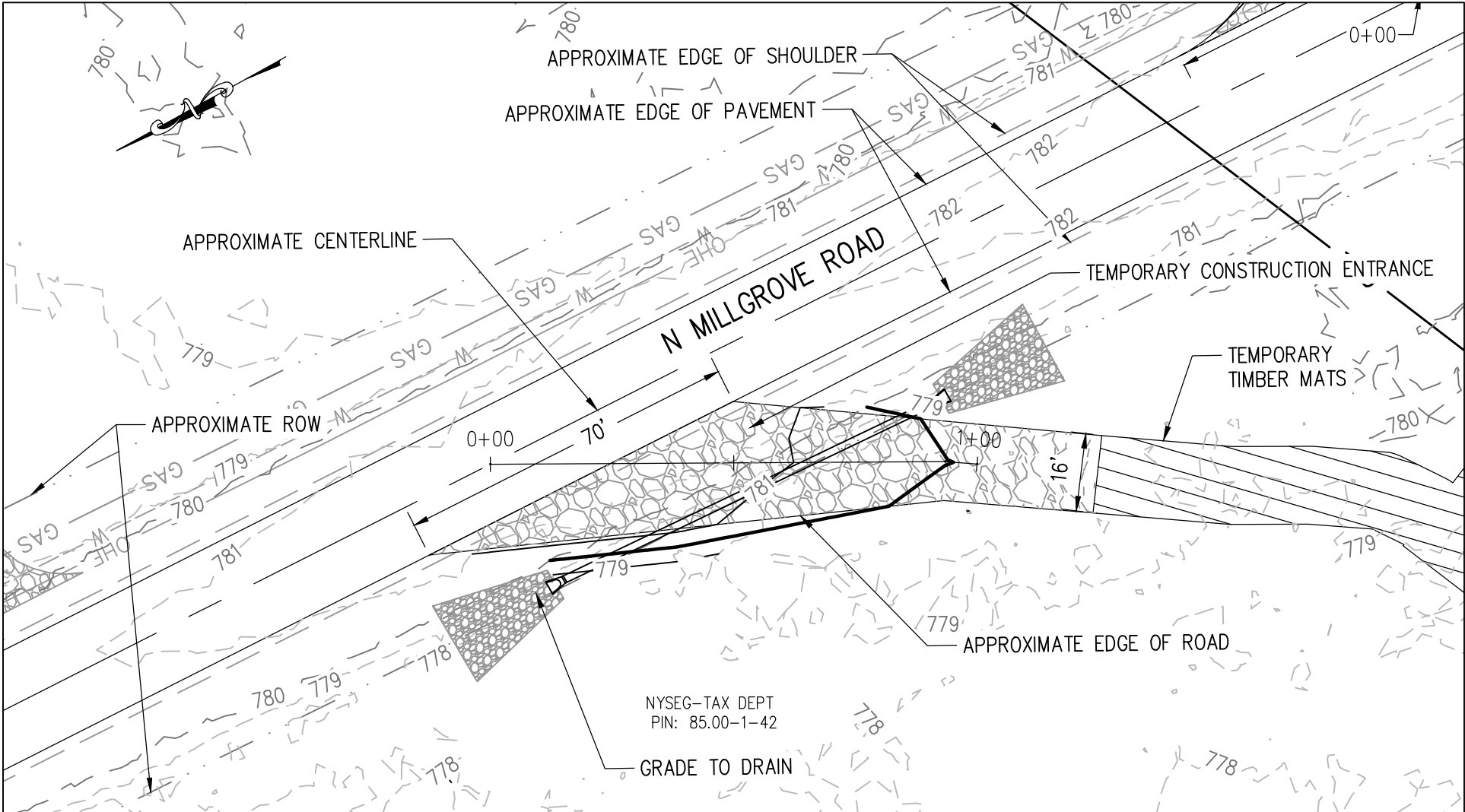
- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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: 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



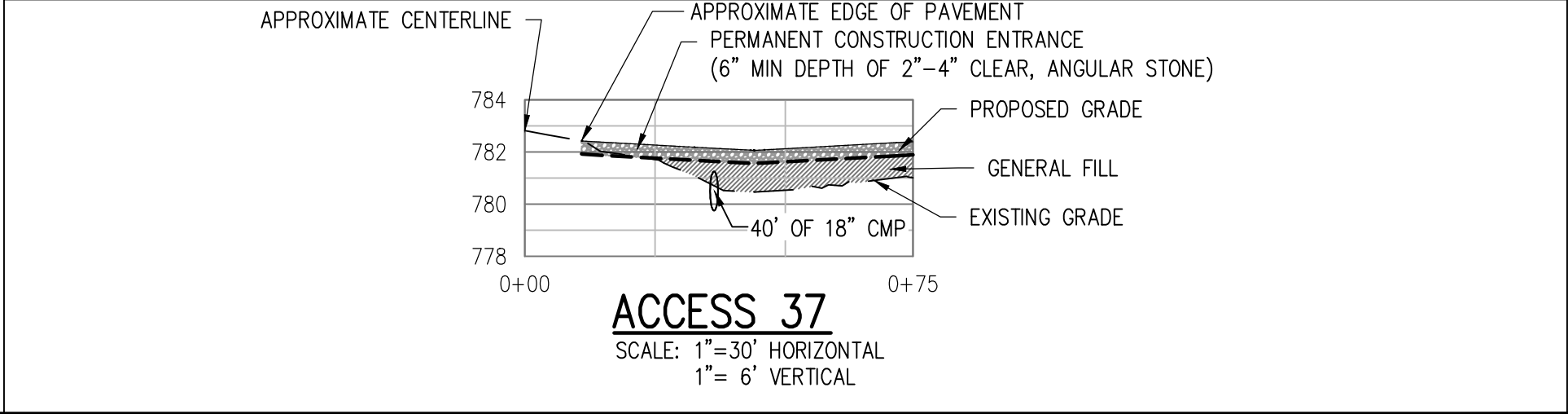
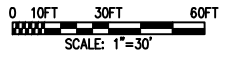
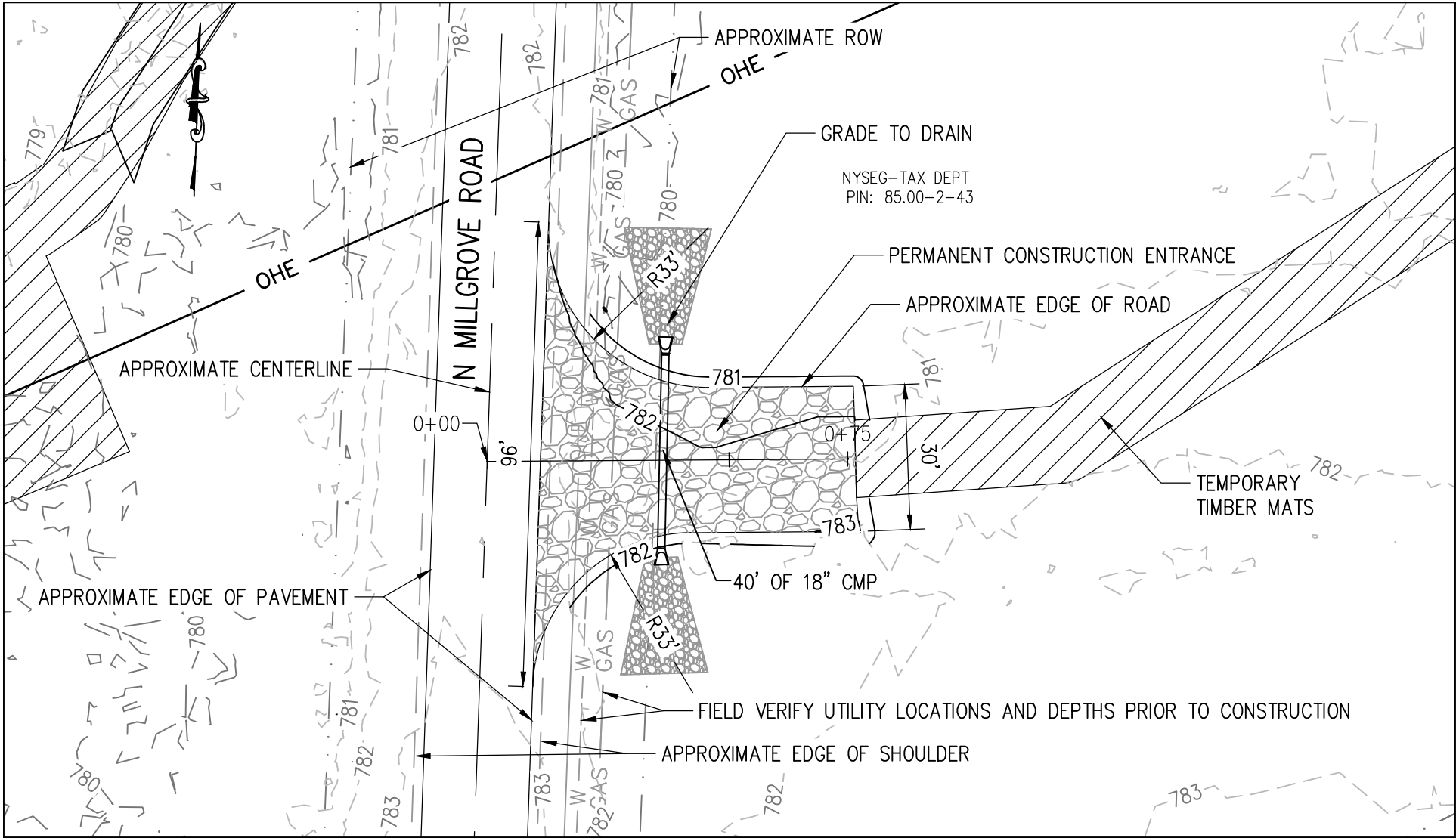
- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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

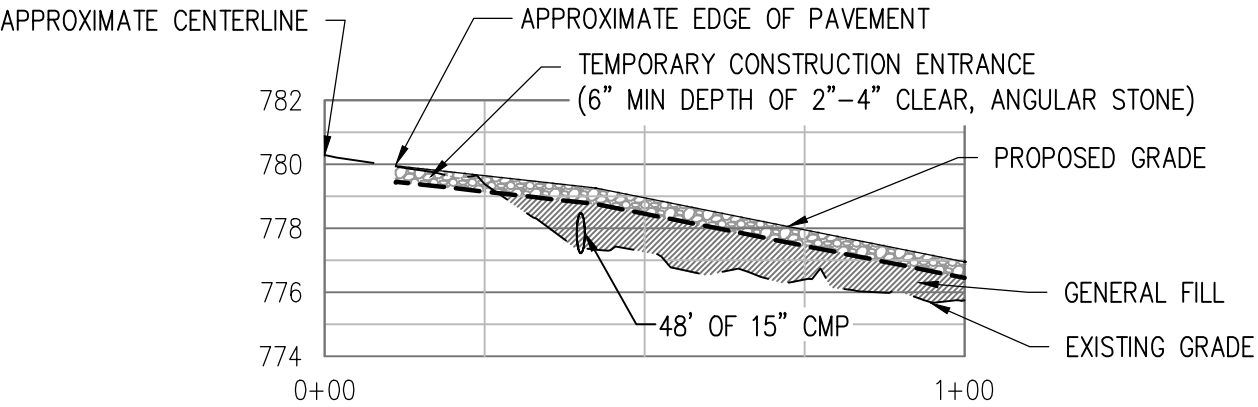
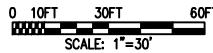
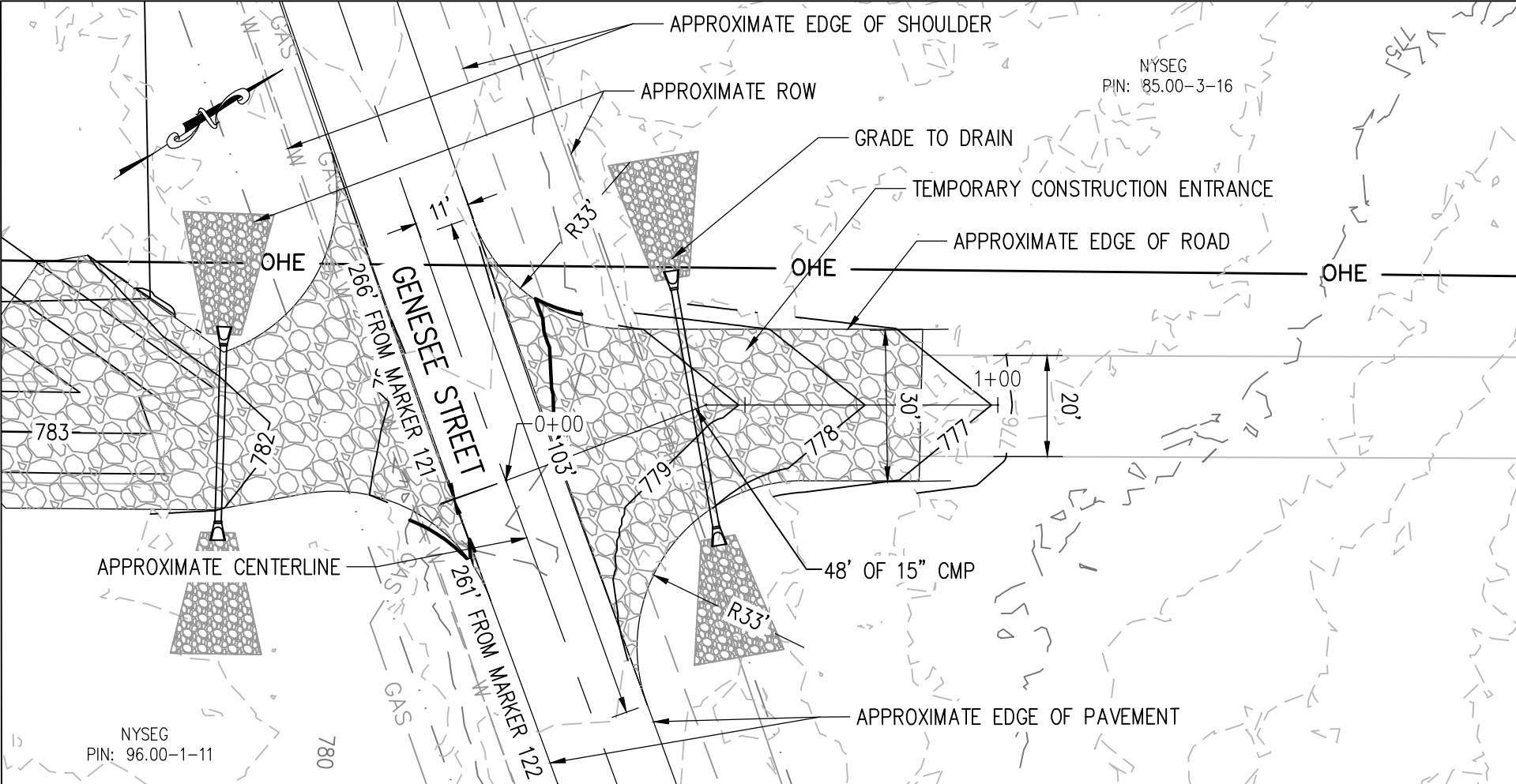
- NOTES:
- 1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 - 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 - 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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: nrfoster 9/3/2020 3:29 PM PLOTTED BY: Nolan R. Foster 9/15/2020 8:49 AM 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



ACCESS 38

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

NOTES:

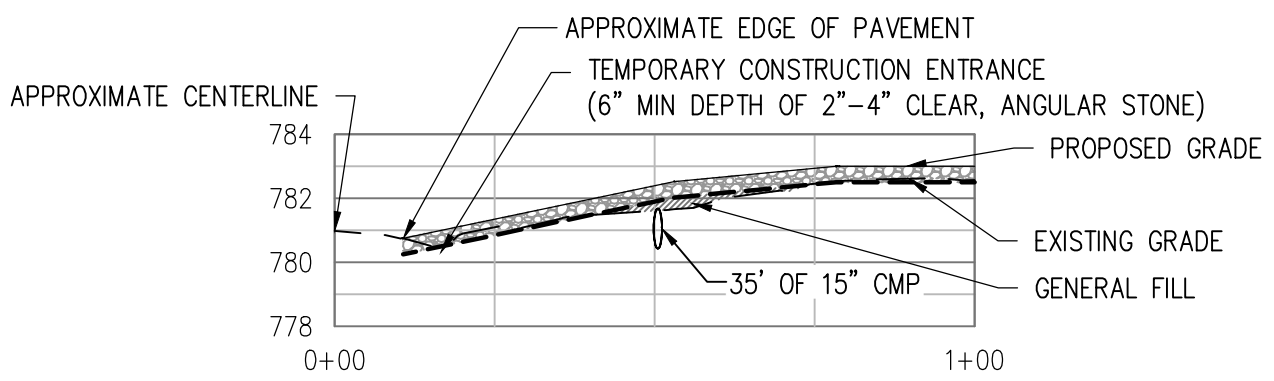
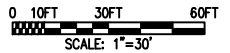
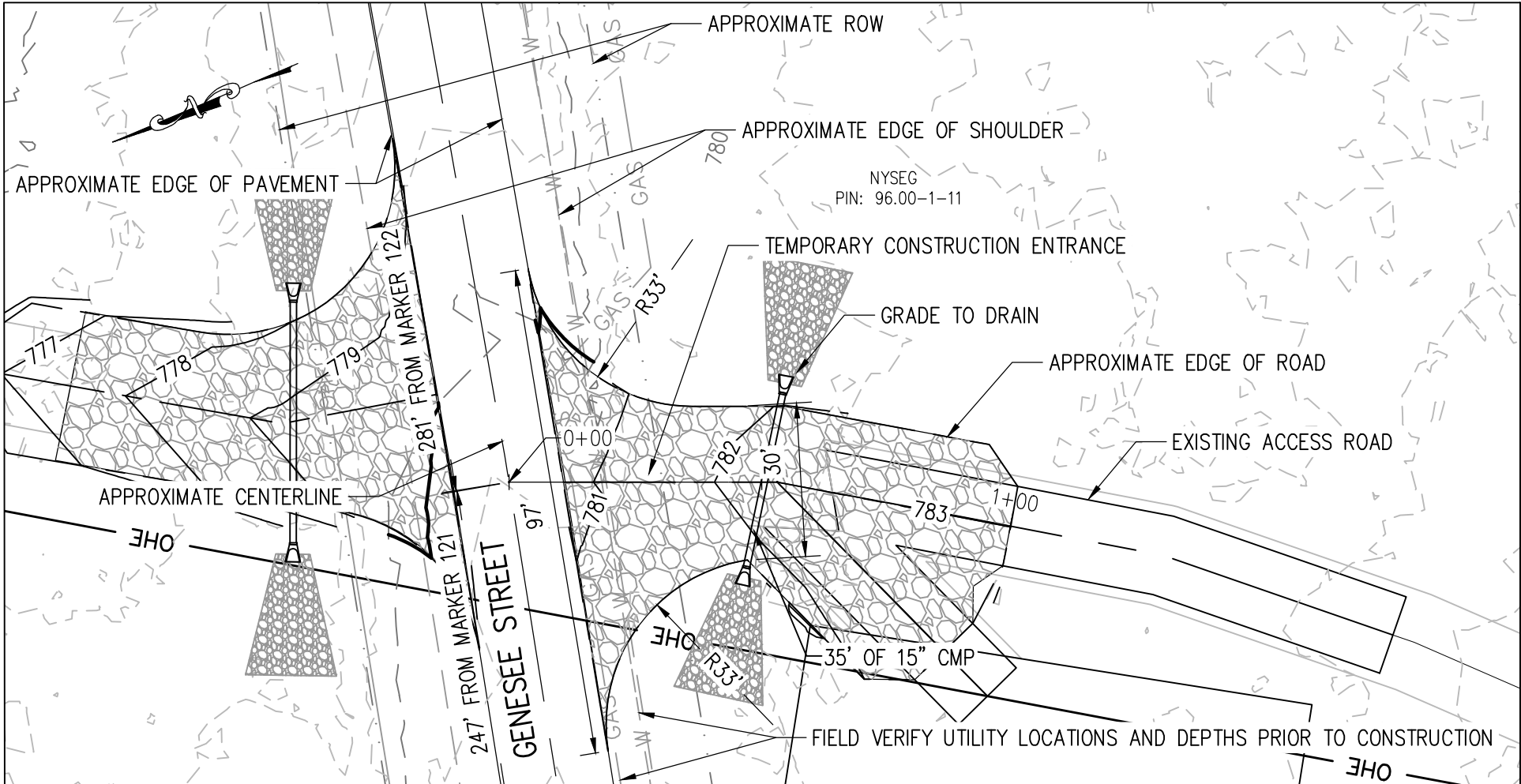
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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 3:56 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

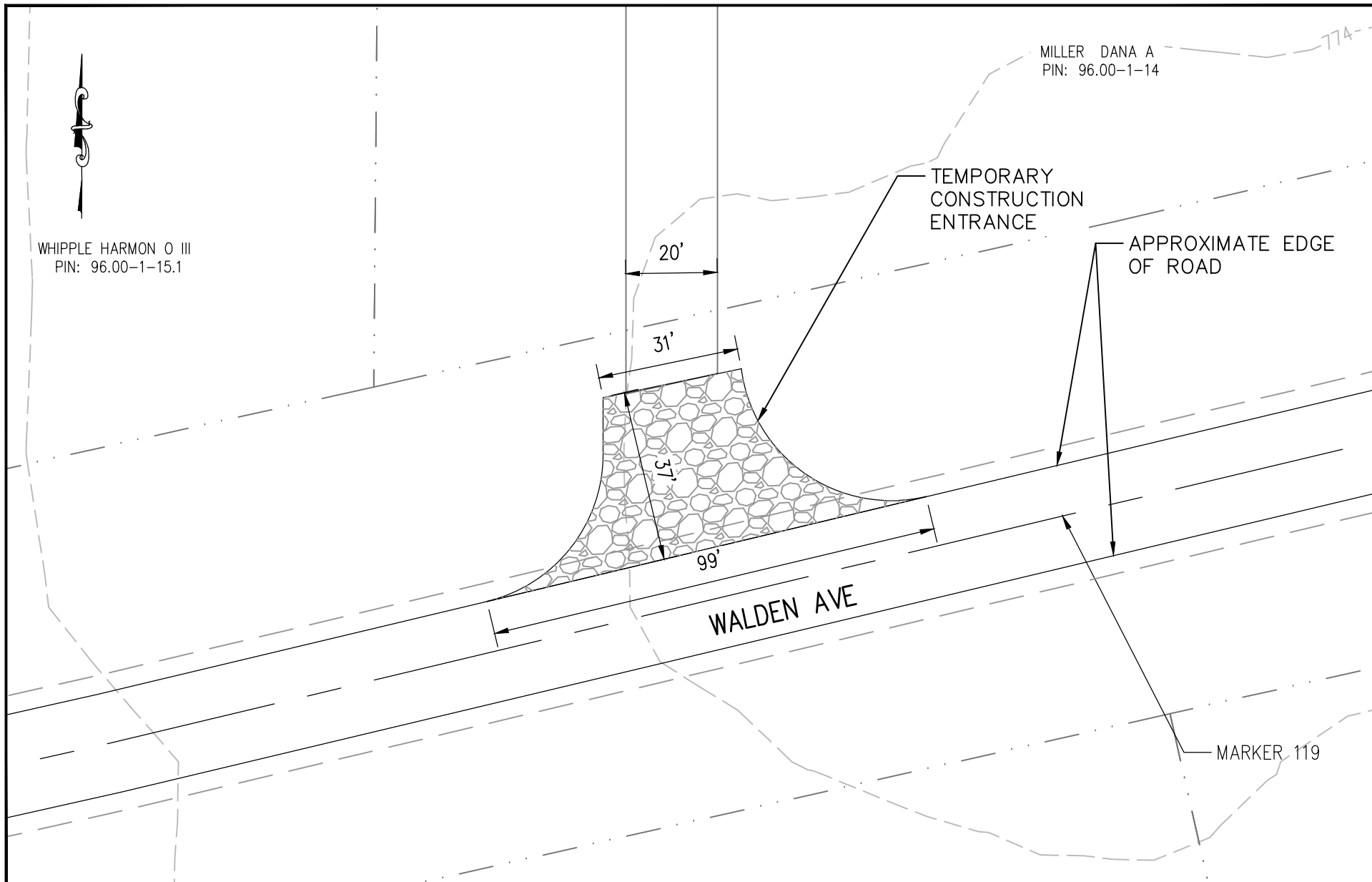
- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: 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 3:57 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

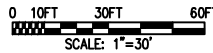
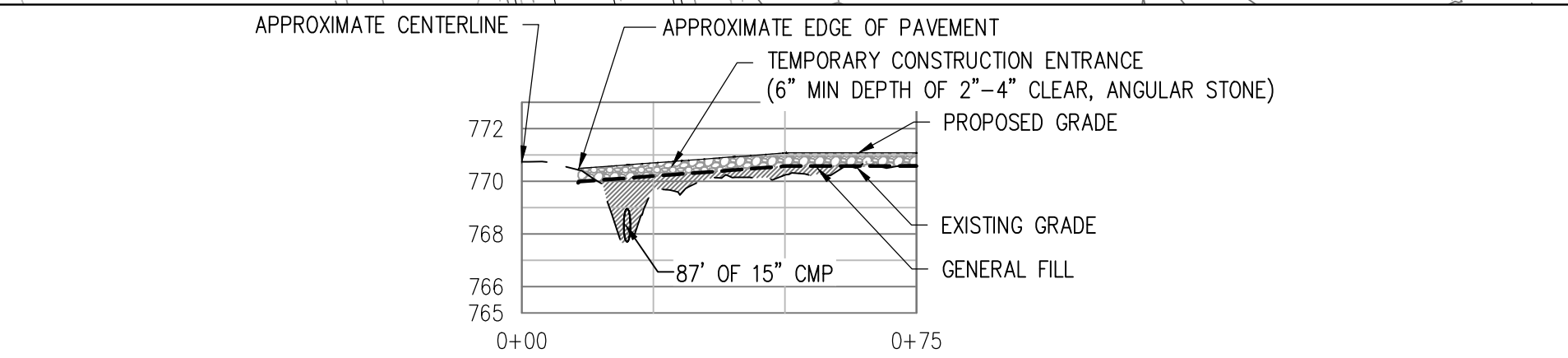
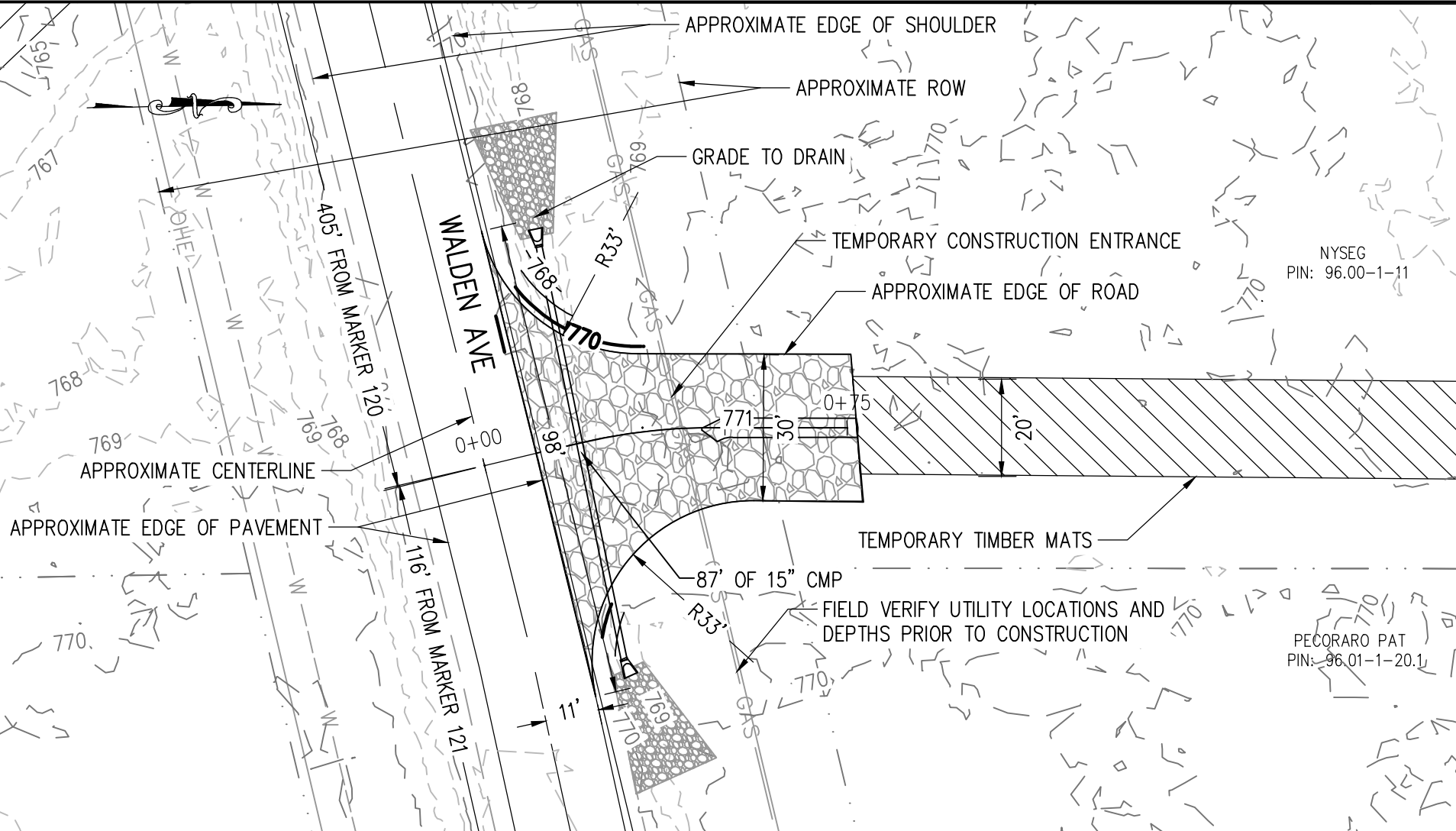


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 36-51 (2020-08-06).DWG LAST SAVED BY: nrfoster 8/14/2020 7:57 AM PLOTTED BY: Nolan R. Foster 9/3/2020 3:52 PM Tab:40 (WAS ADDED)



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

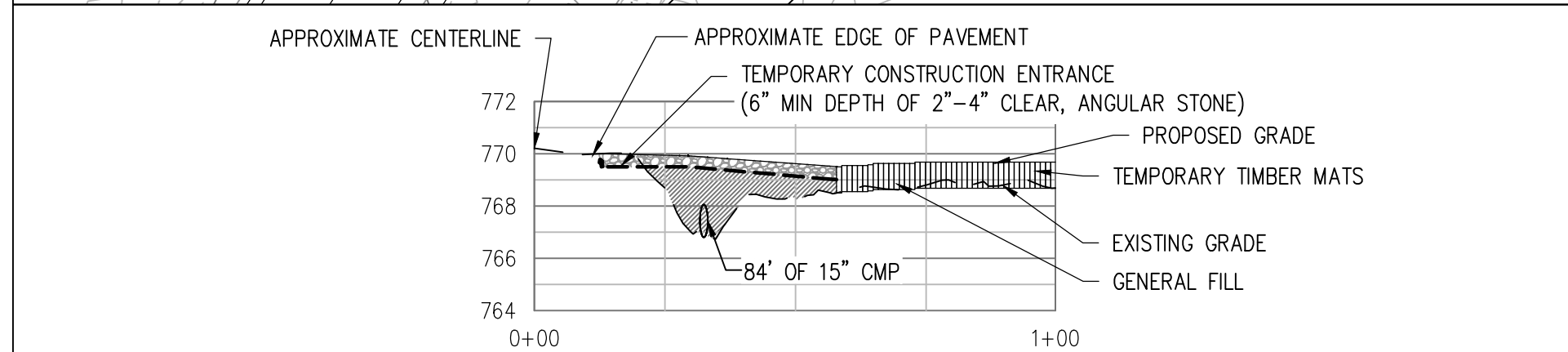
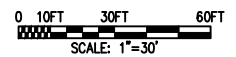
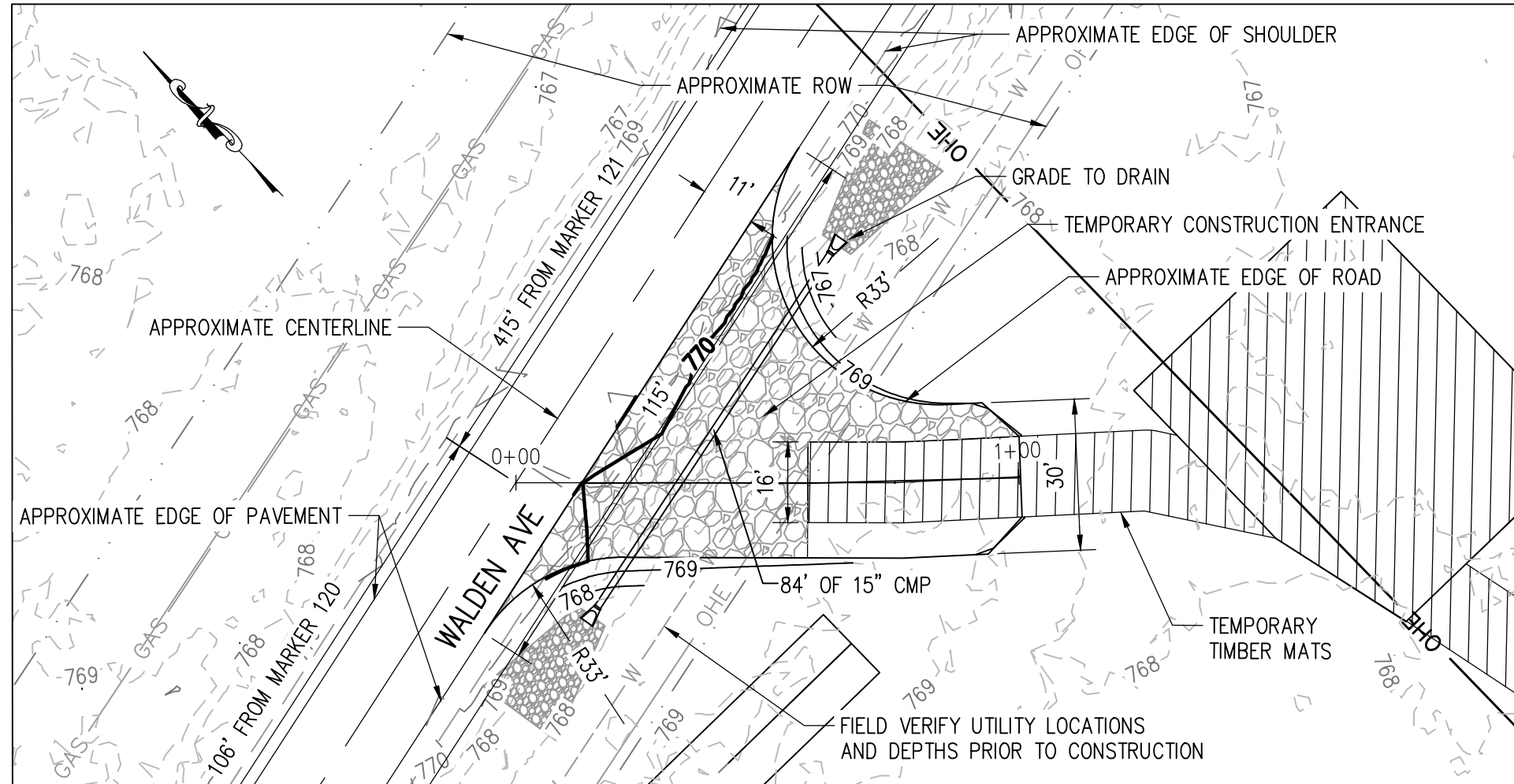
SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

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.

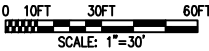
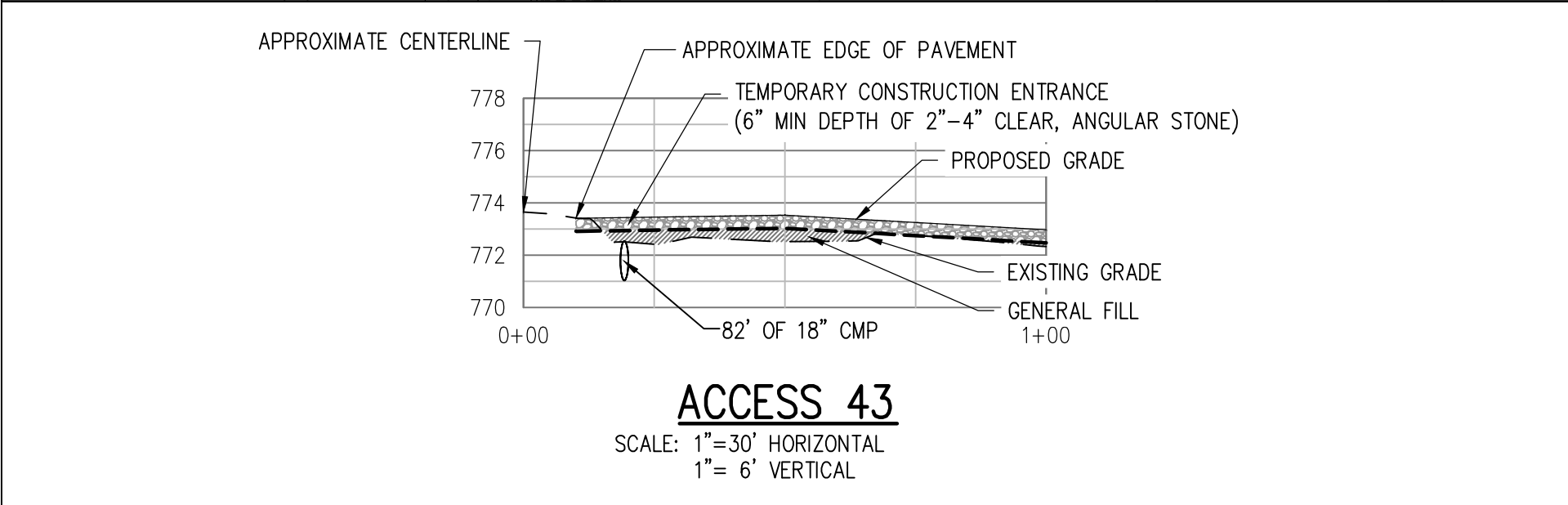
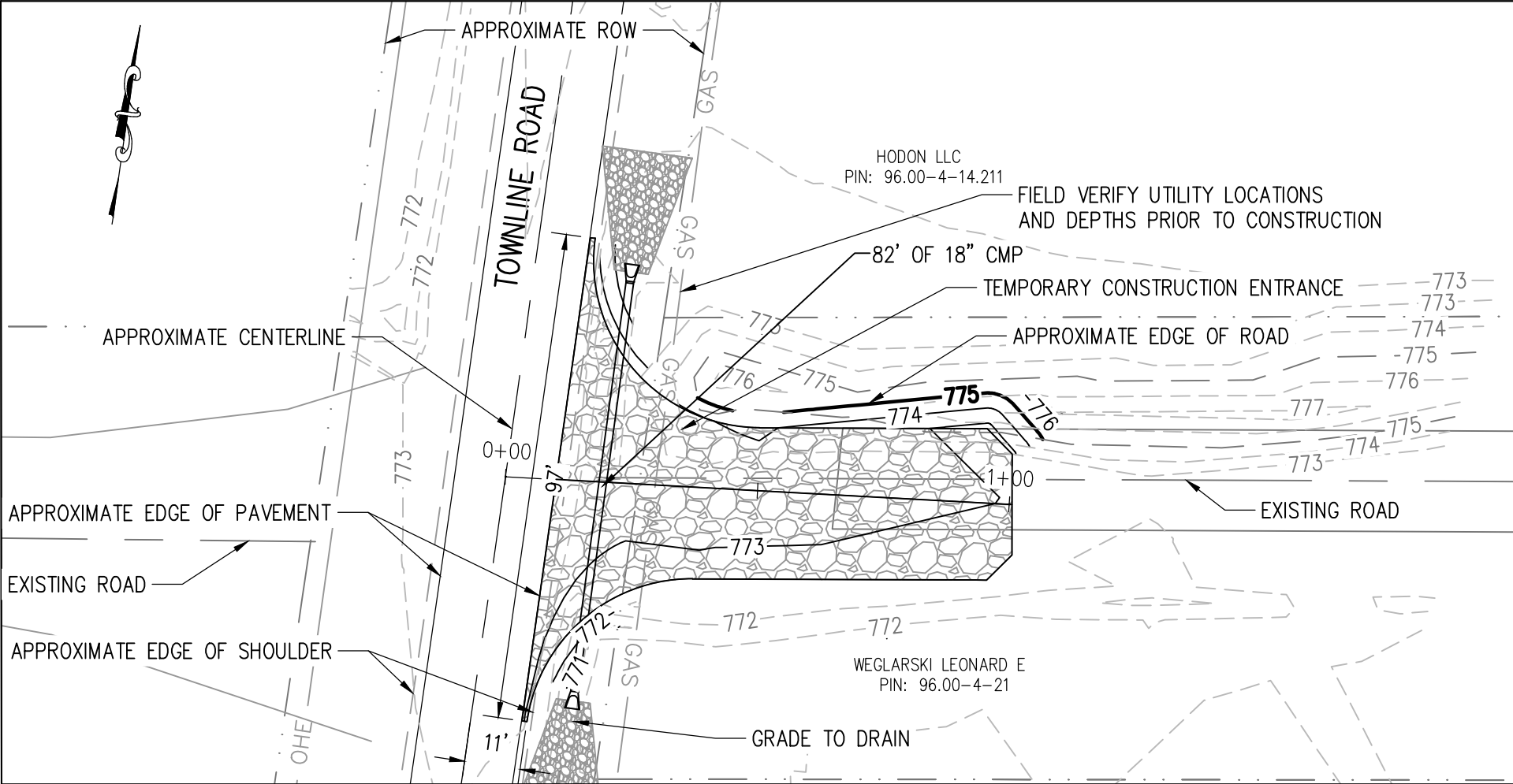
FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 38-53.DWG LAST SAVED BY: nrfoster 9/3/2020 2:33 PM PLOTTED BY: Nolan R. Foster 9/3/2020 3:59 PM Tab:42 (11x17)



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.

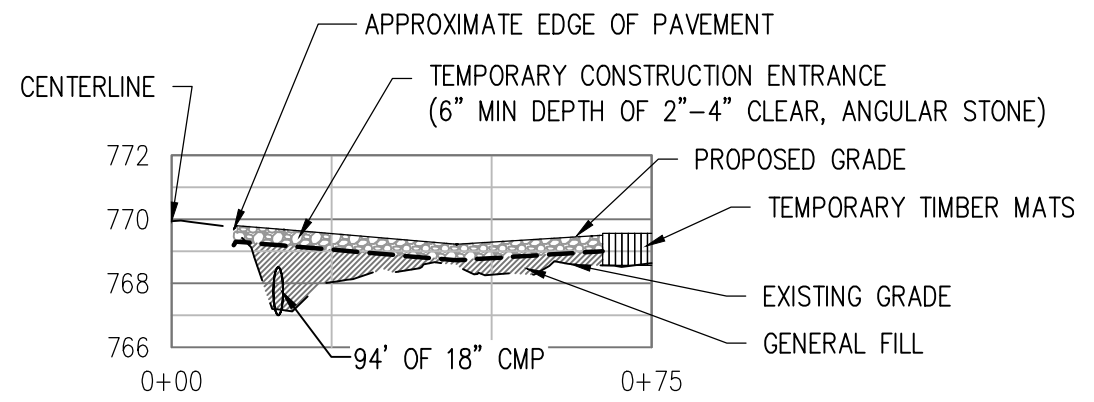
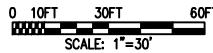
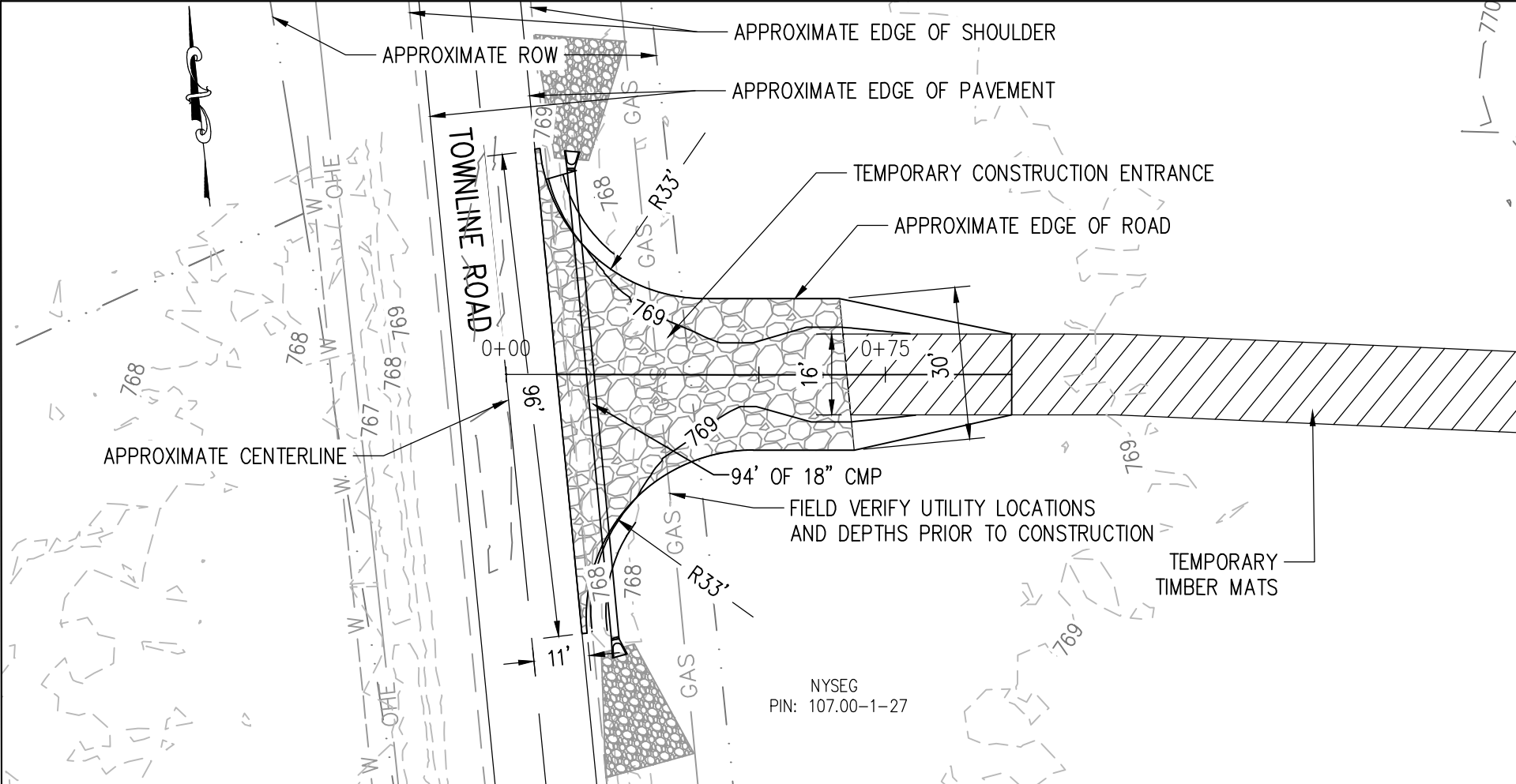
ACCESS 43
SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

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

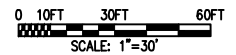
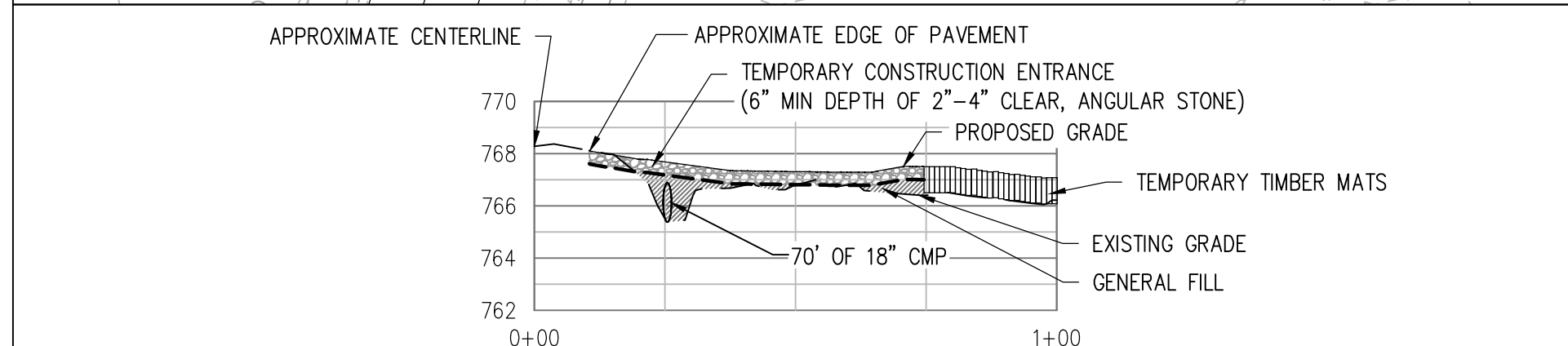
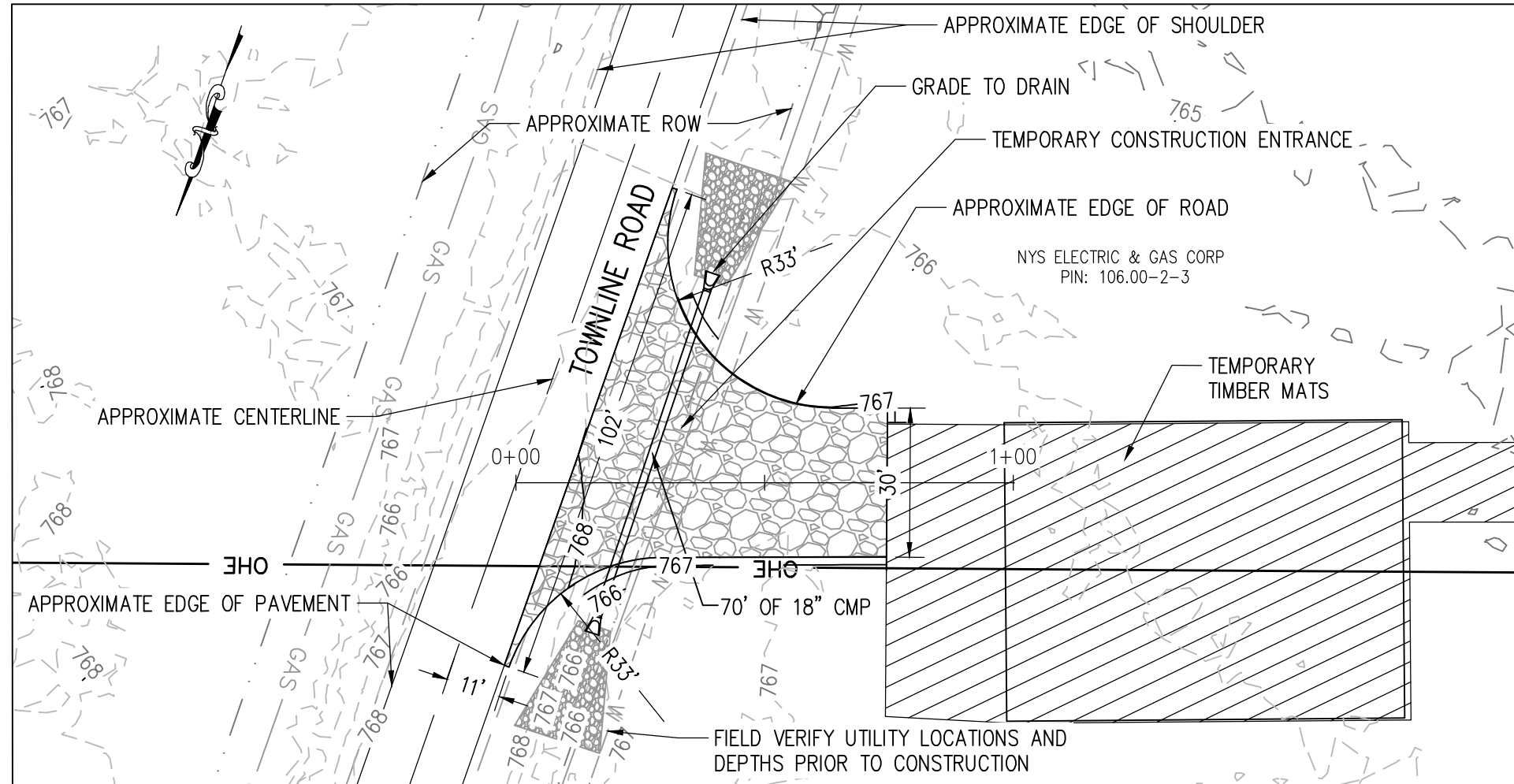
- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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



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 45

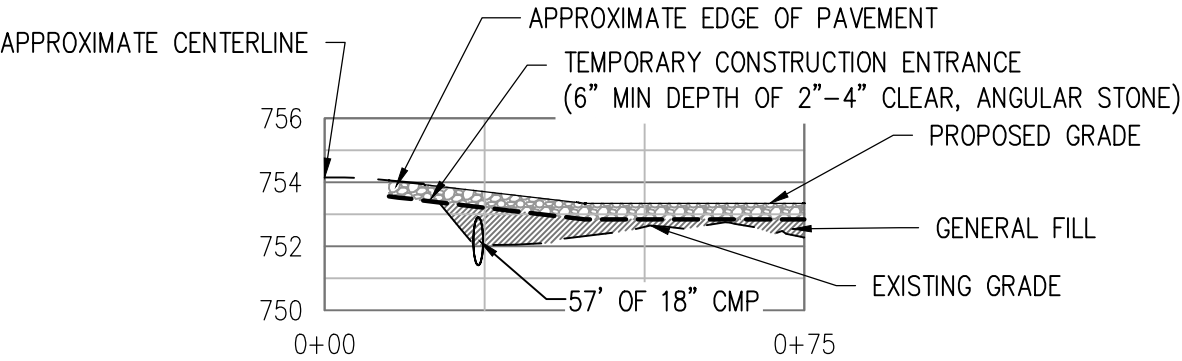
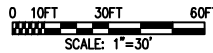
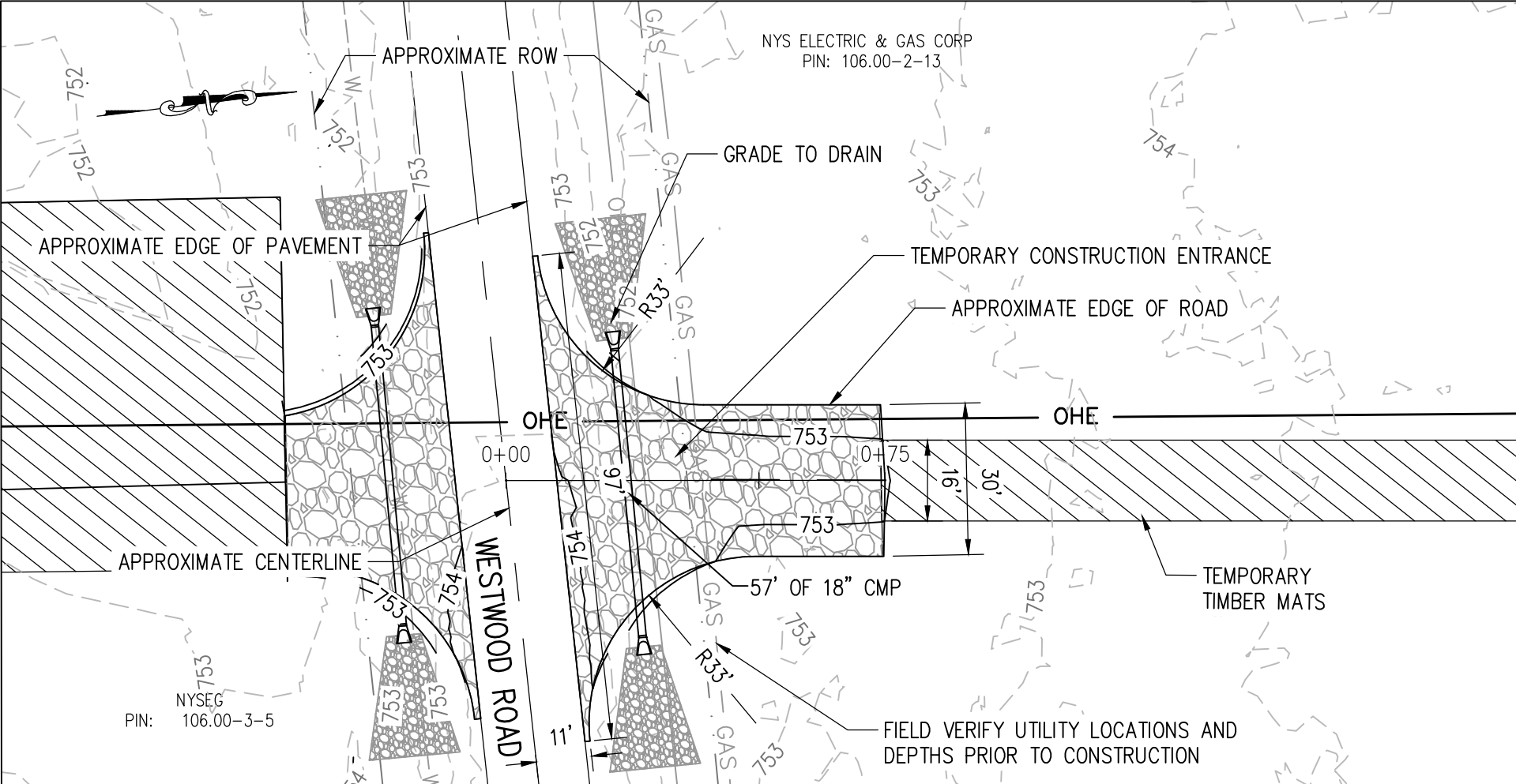
SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

FILE LOCATION: I:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 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:

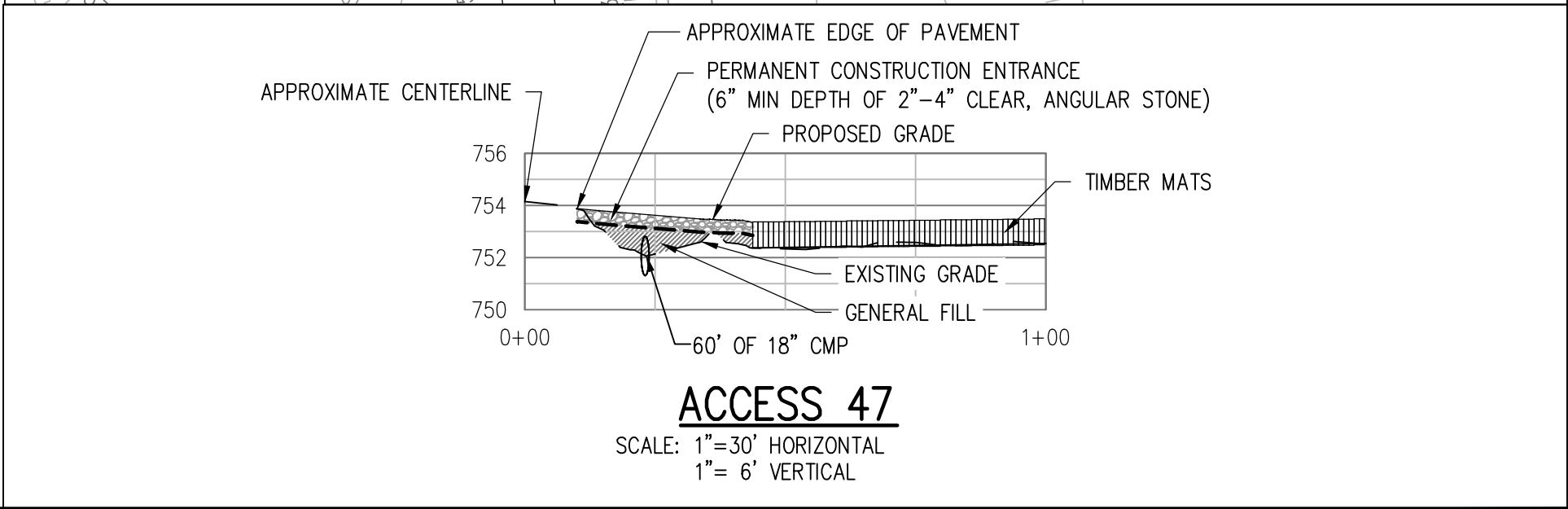
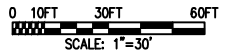
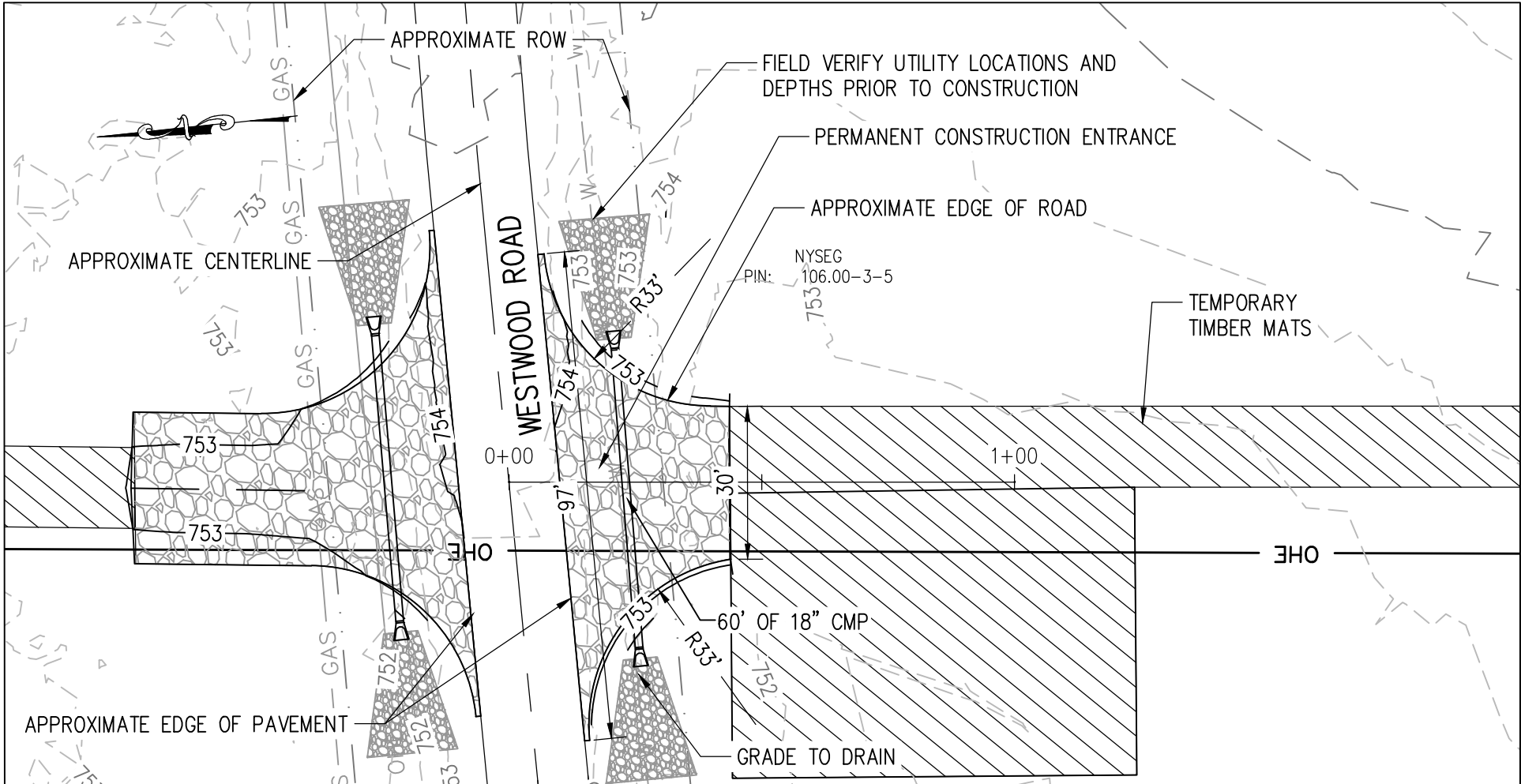
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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



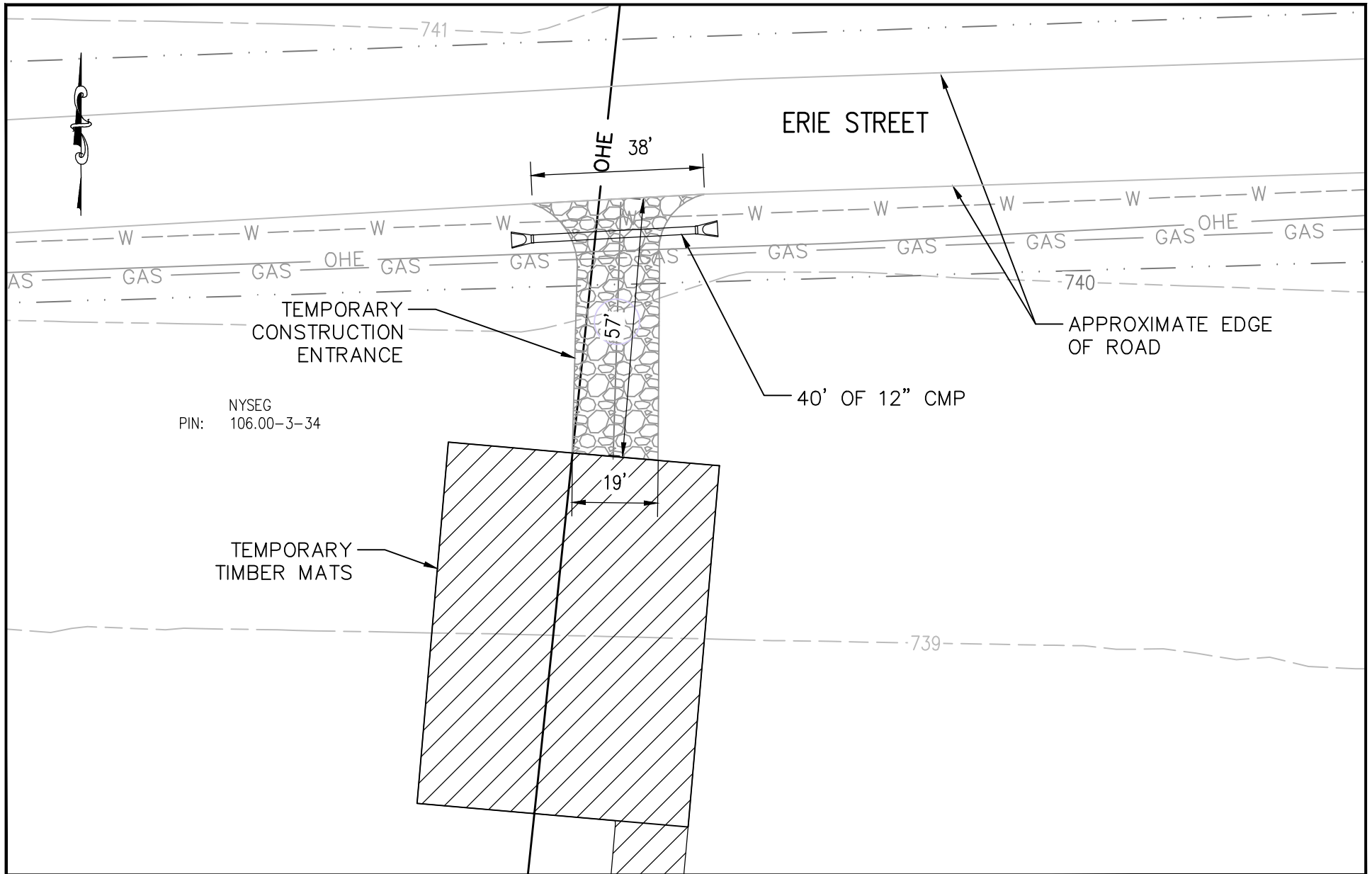
- NOTES:
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
 2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
 3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

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 9/9/2020 4:00 PM PLOTTED BY: Nolan R. Foster 9/15/2020 8:47 AM 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



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 3:54 PM Tab:48 (WAS 51)

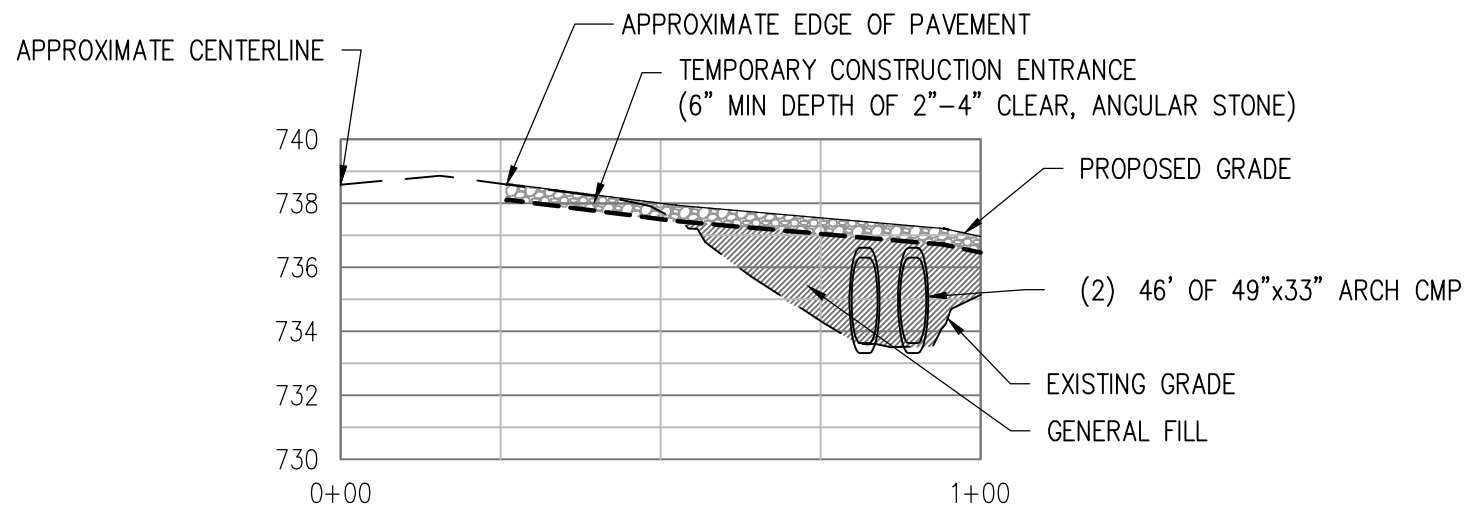
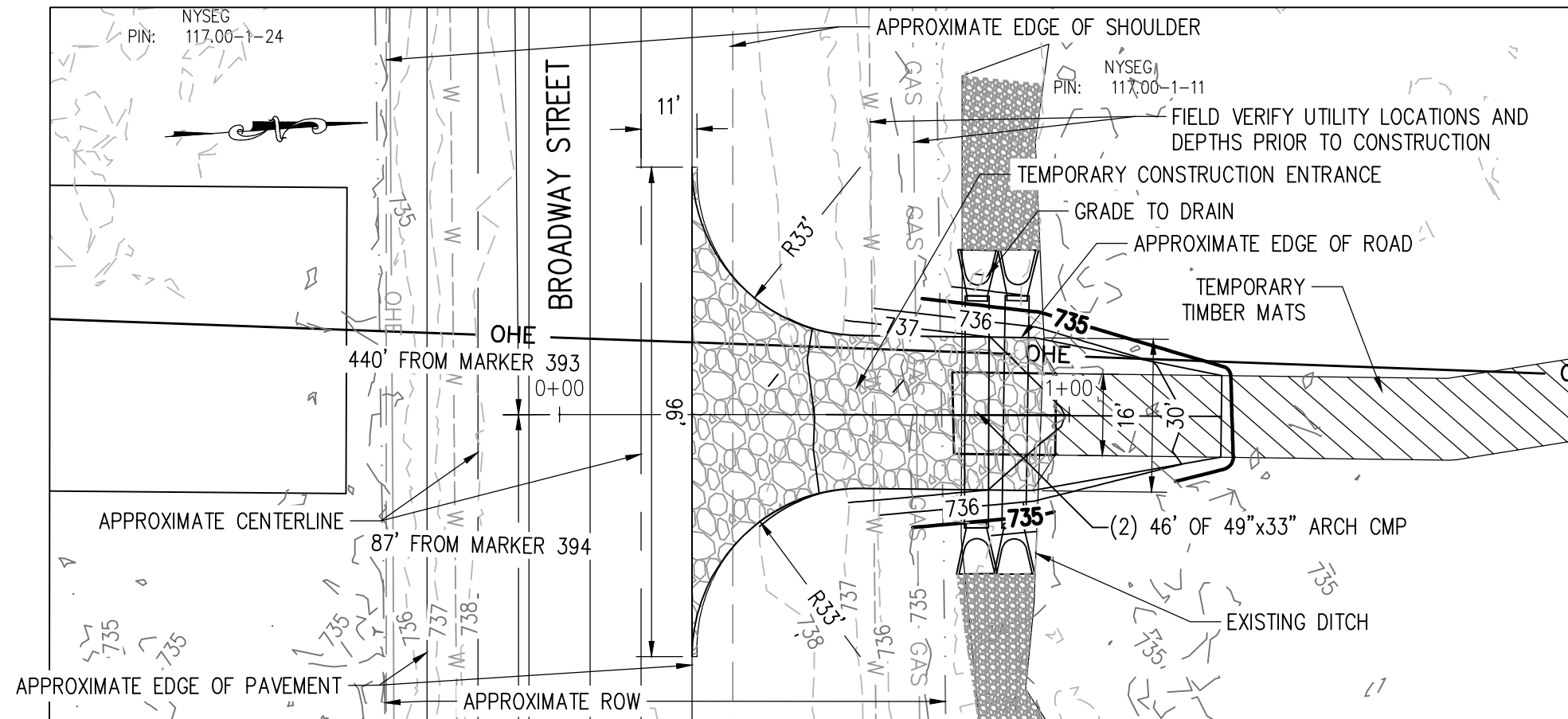


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ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE ENTRANCE PLANS ACCESS 48 PLAN	
DWG. NAME: EST-D-P002-48	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

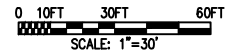
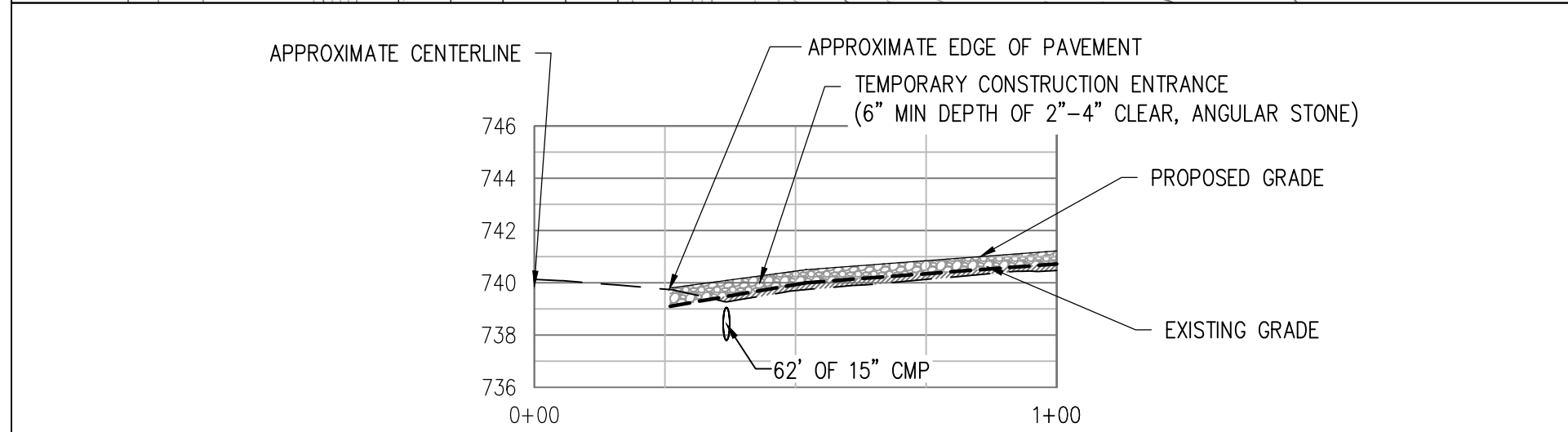
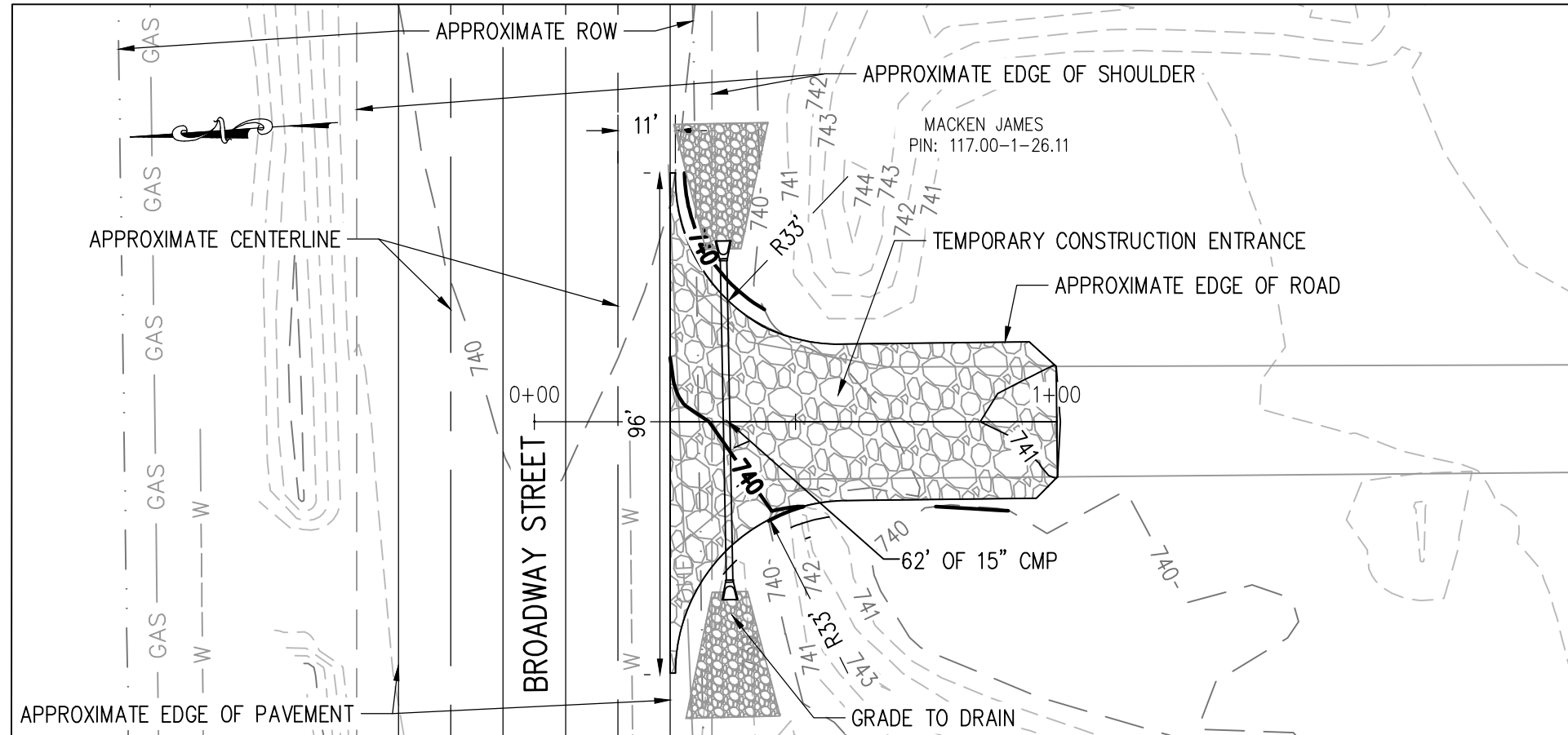
SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

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

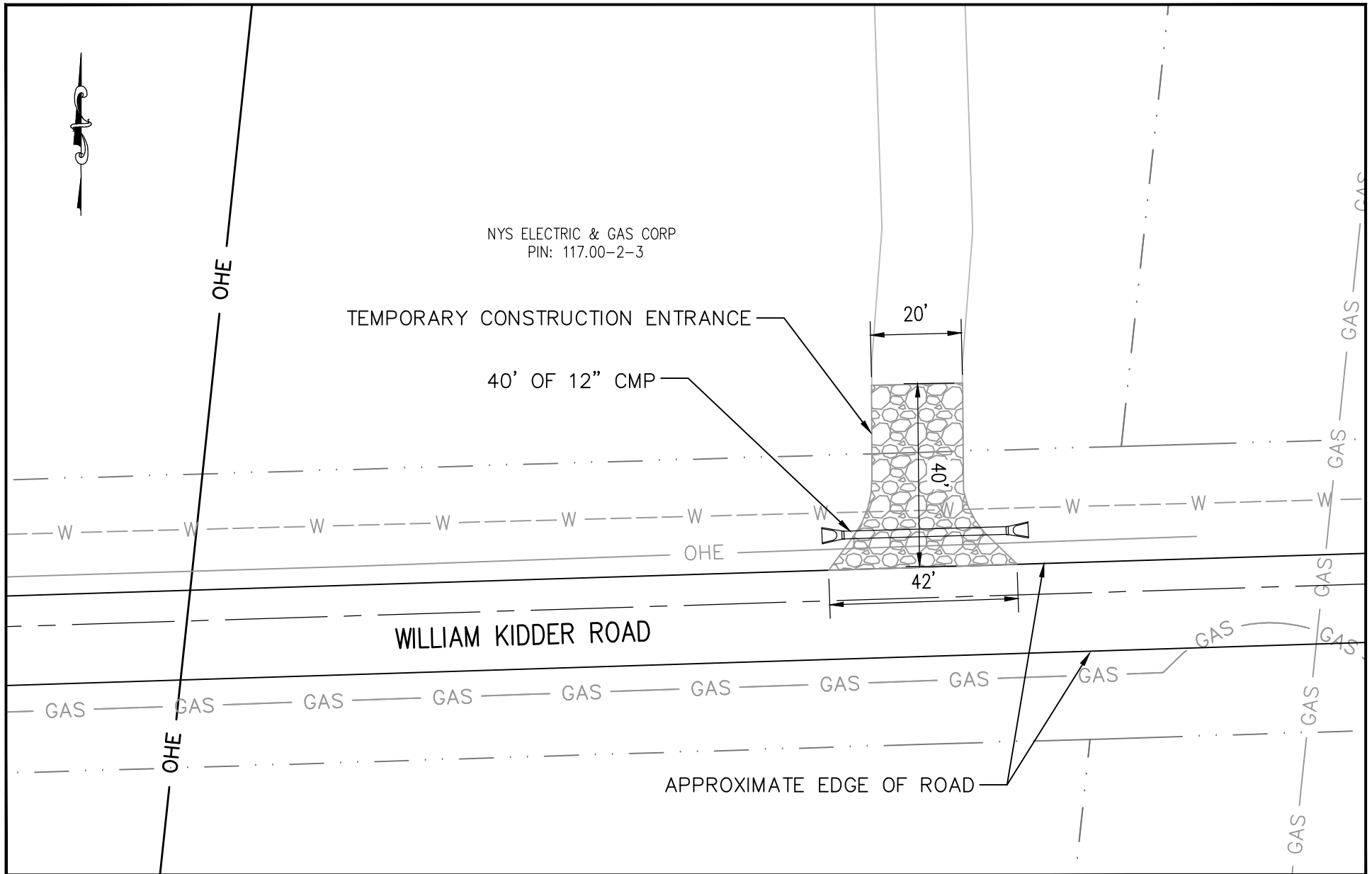
SCALE: 1"=30' HORIZONTAL
1"= 6' VERTICAL

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

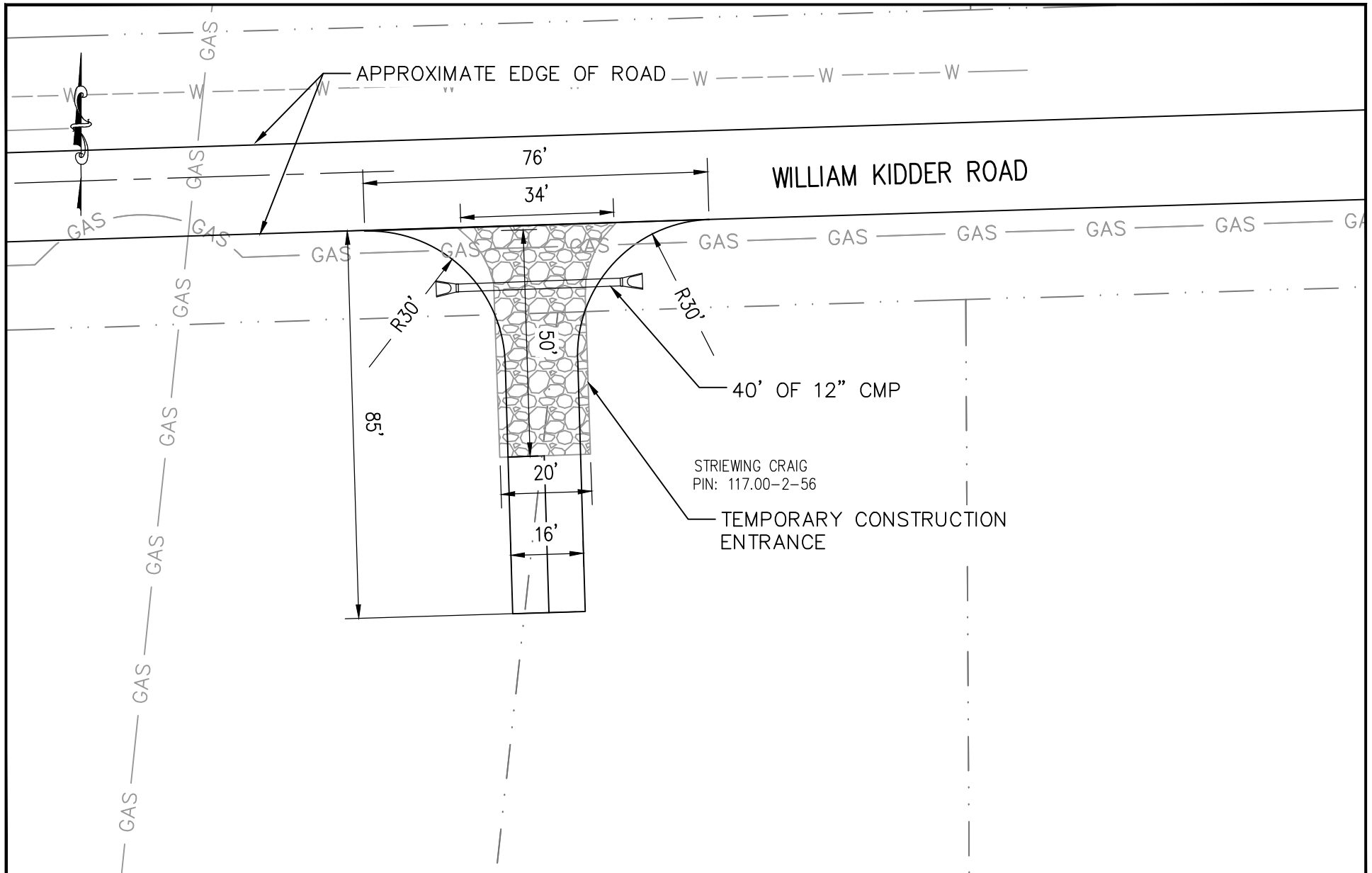


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 52-66 (UPDATED 2020-07-30).DWG LAST SAVED BY: skcomposon 8/13/2020 2:40 PM PLOTTED BY: Nolan R. Foster 9/3/2020 4:07 PM Tab:51 (WAS 55)



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: skcamposan 8/13/2020 2:40 PM PLOTTED BY: Nolan R. Foster 9/3/2020 4:10 PM Tab:52 (WAS 56)

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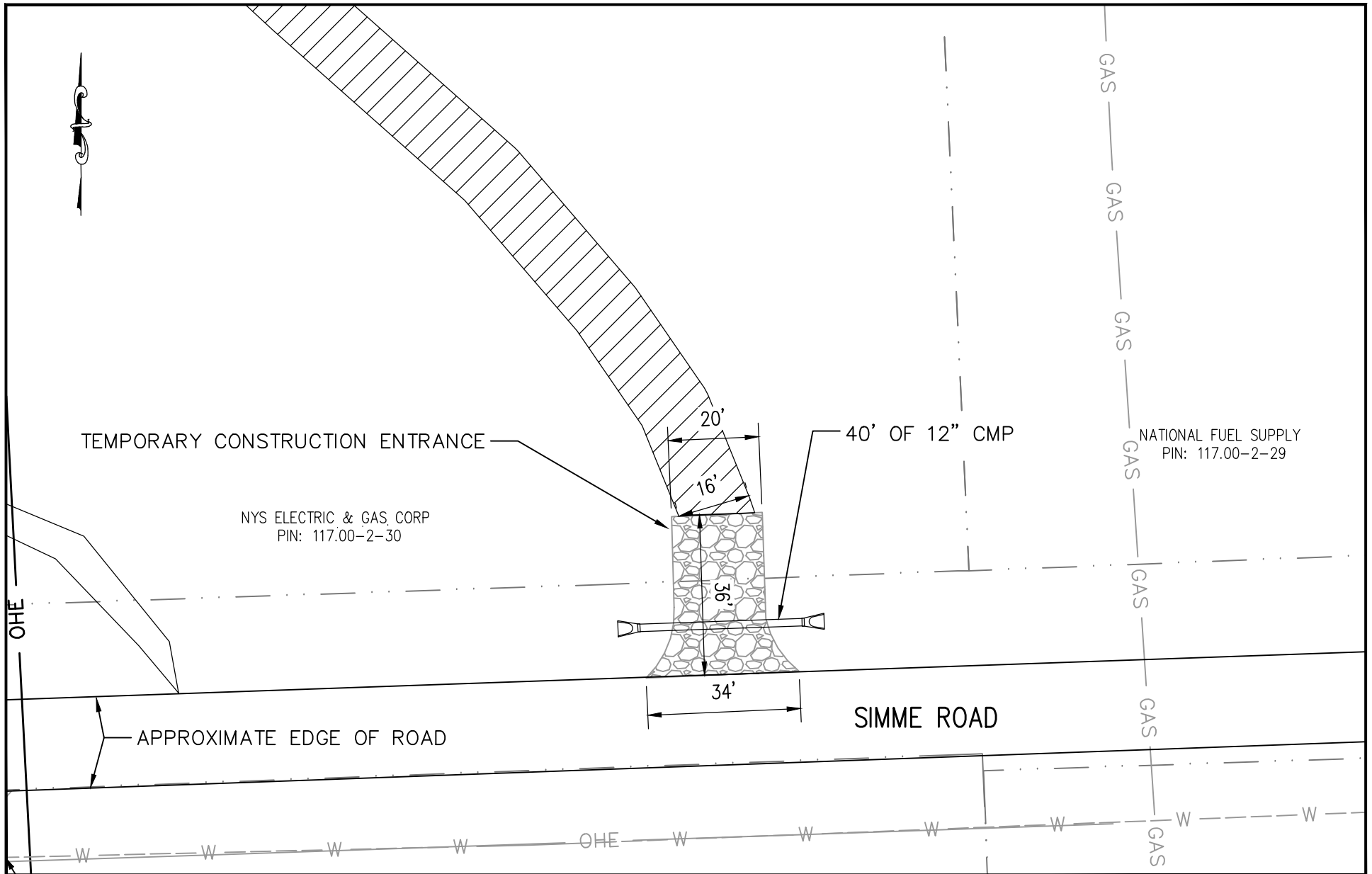
ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI A (8.5x11)

EMPIRE STATE LINE

ENTRANCE PLANS

ACCESS 52 PLAN

DWG. NAME: EST-D-P002-52 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)

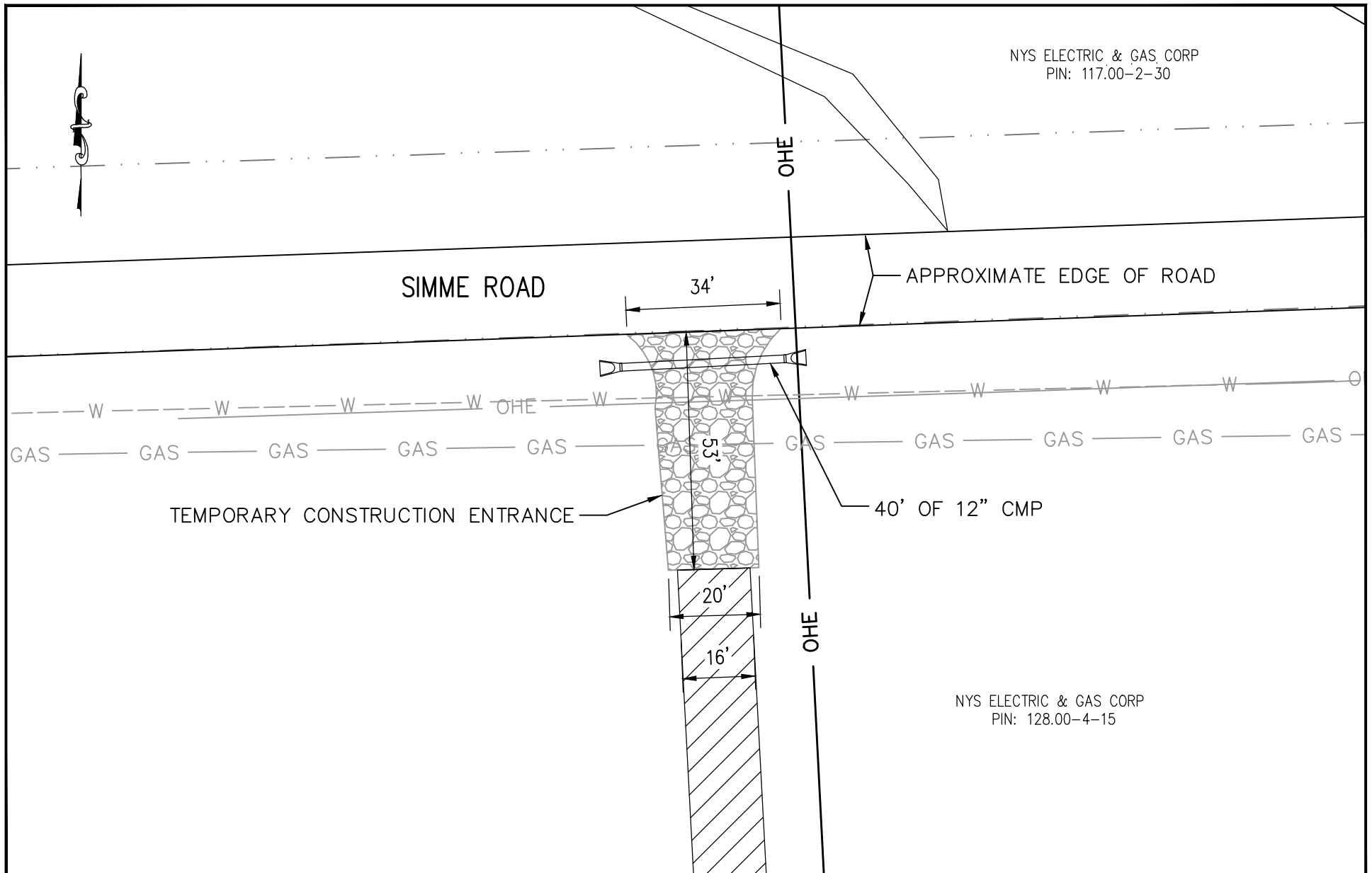


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SERVICES, P.C.



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)

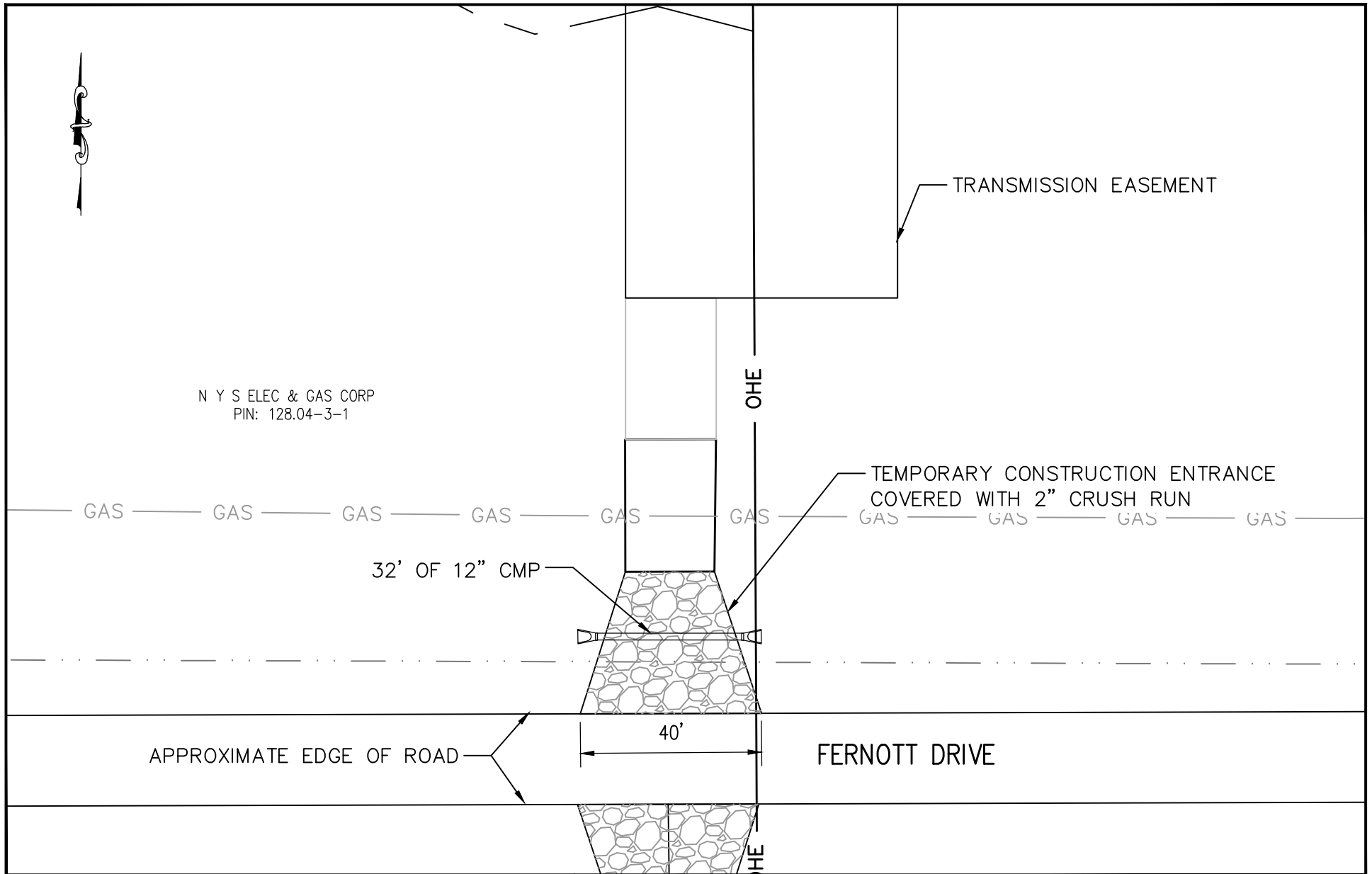
ECI ENGINEERING SERVICES, P.C.

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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 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)

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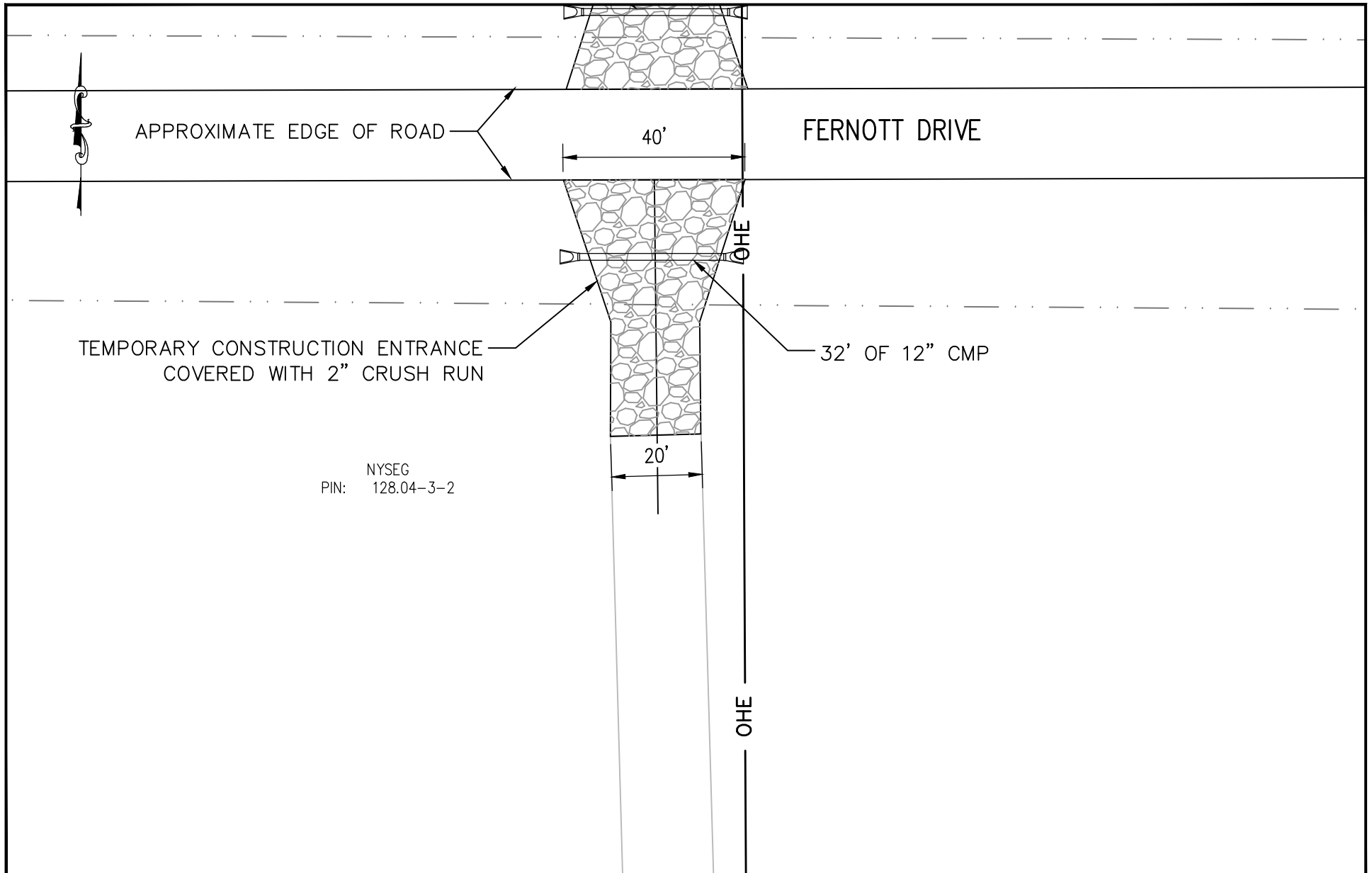
ECI ENGINEERING SERVICES, P.C.

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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 A (8.5x11)

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

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

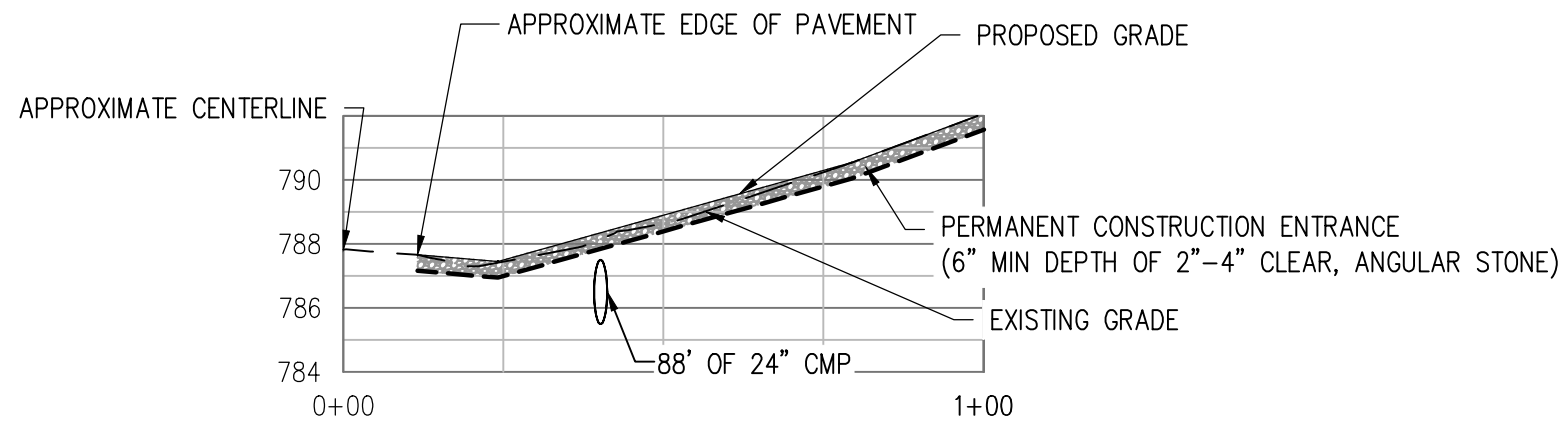
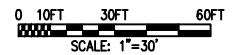
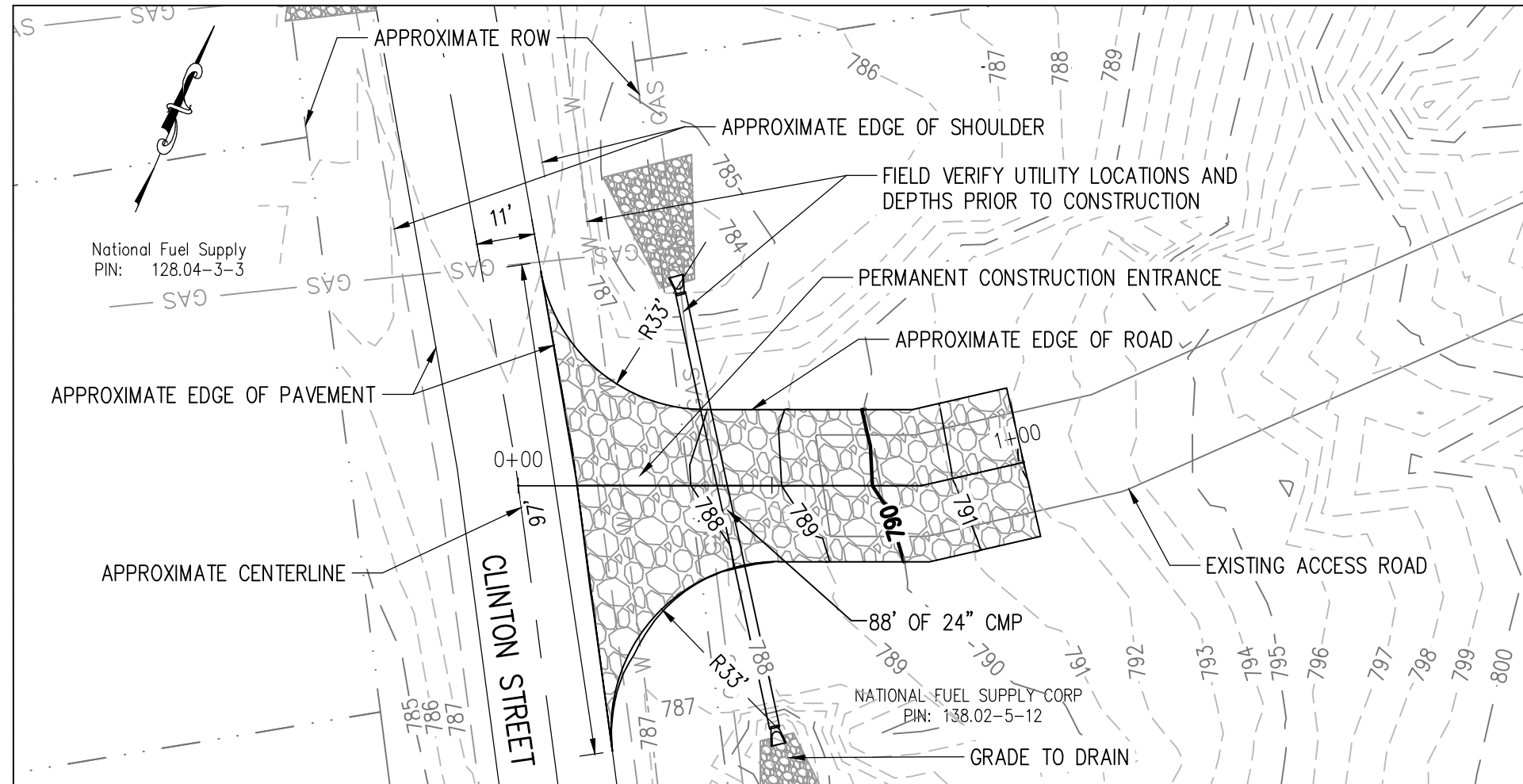


FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\NEXT-159 SHEETS 52-66 (UPDATED 2020-07-30).DWG LAST SAVED BY: skcamposan 8/13/2020 2:40 PM PLOTTED BY: Nolan R. Foster 9/3/2020 4:17 PM Tab:56 (WAS 60)



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:

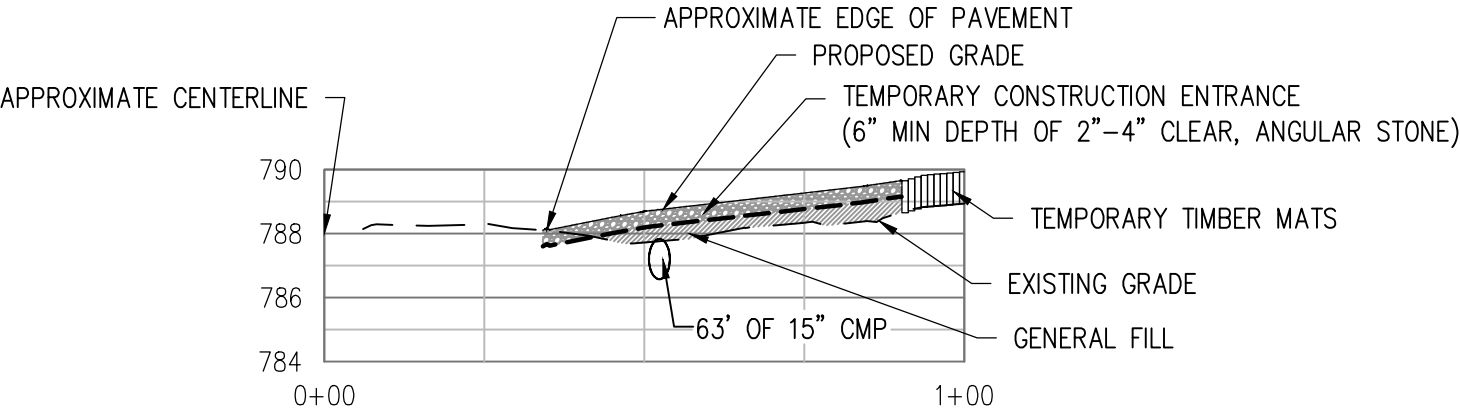
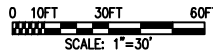
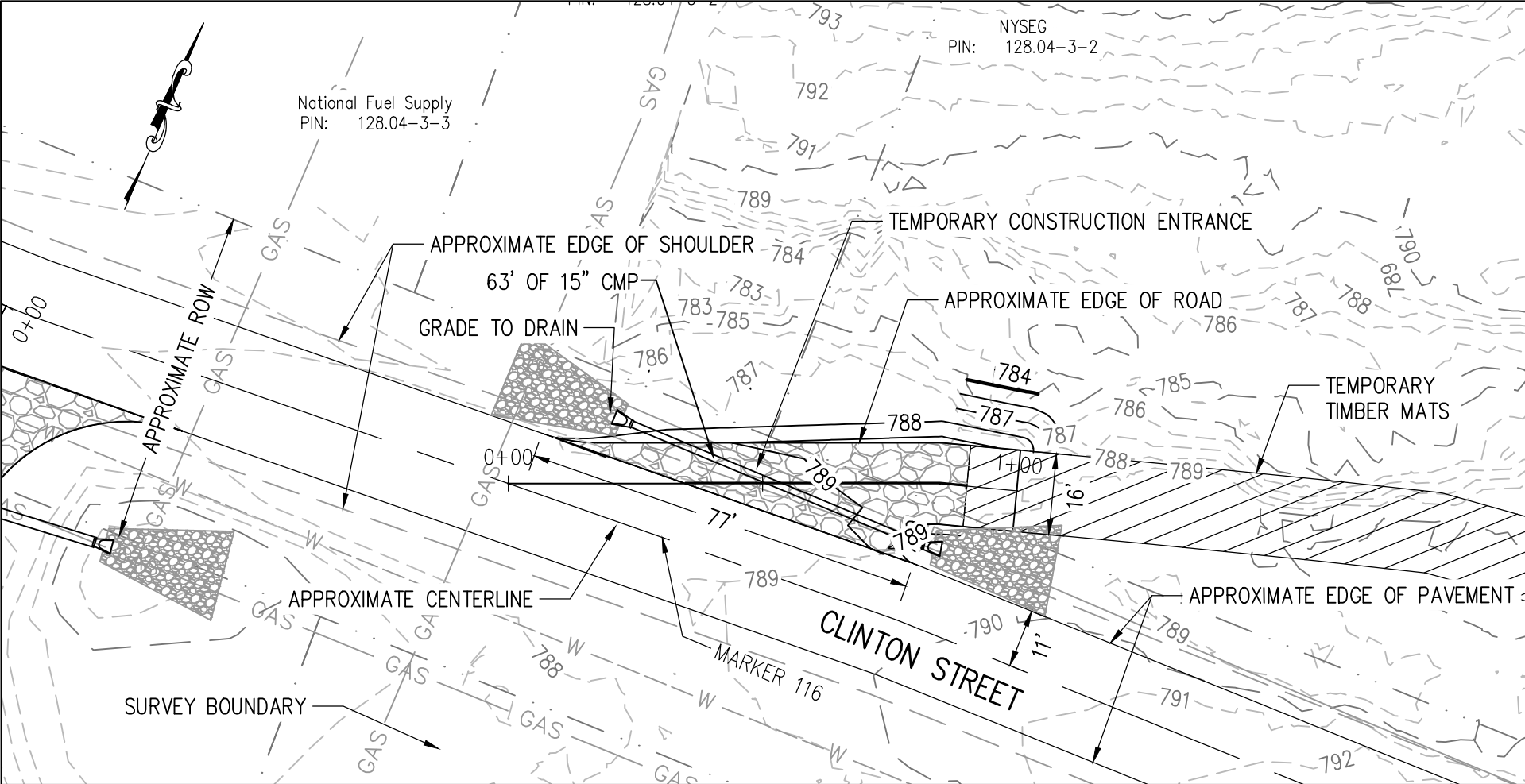
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

FILE LOCATION: 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 3:30 PM PLOTTED BY: Nolan R. Foster 9/15/2020 8:45 AM 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



ACCESS 58

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

NOTES:

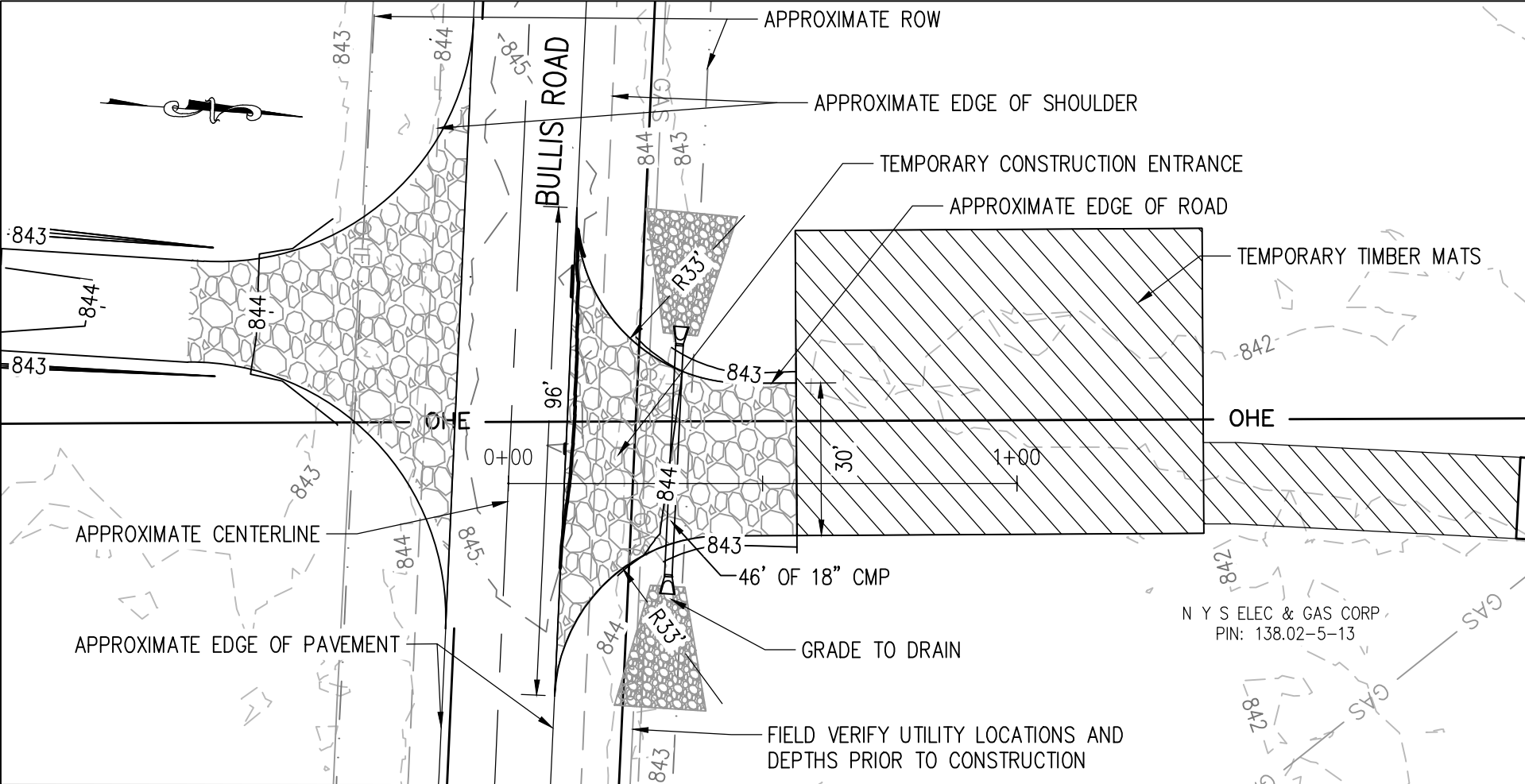
1. CULVERT SHALL HAVE MINIMUM 1' FOOT OF COVER.
2. CULVERT SHALL HAVE A MINIMUM SLOPE OF 2.0%.
3. SEE CULVERT DETAIL FOR END SECTIONS AND INLET AND OUTLET PROTECTION.

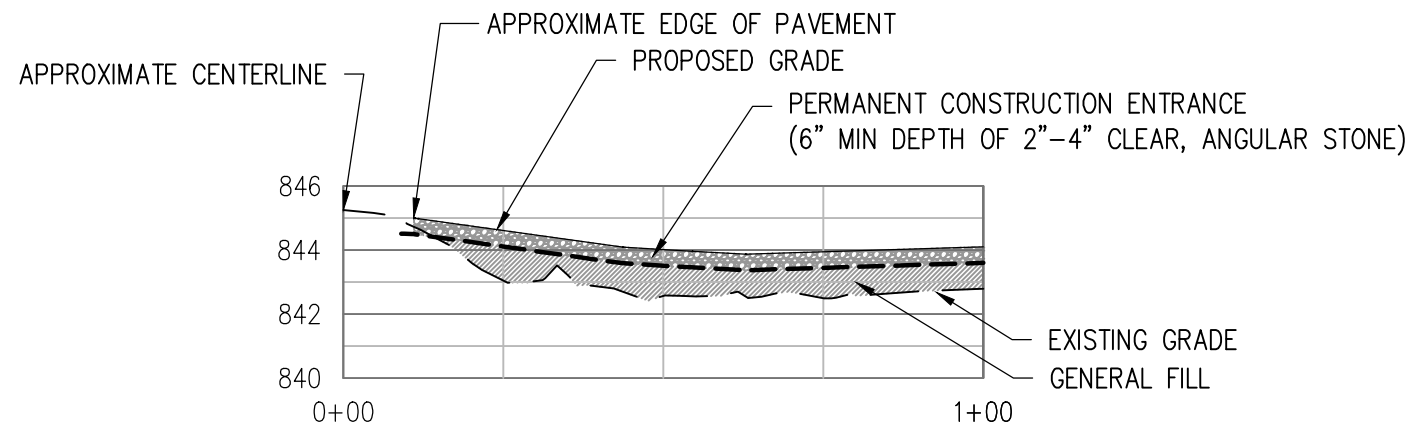
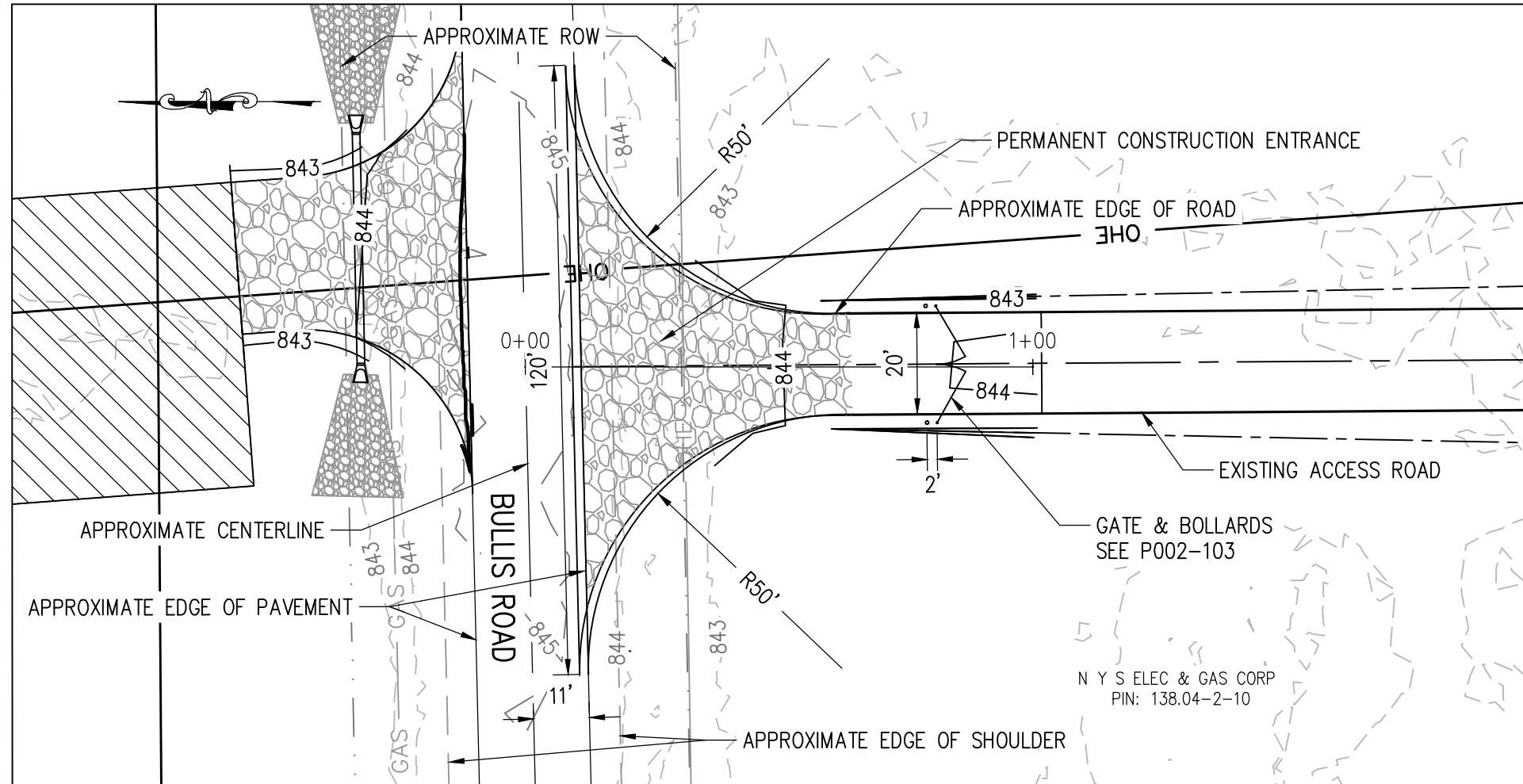
FILE LOCATION: L:\NEXTERA\NEXT-159 EMPIRE STATE LINE\300 DESIGN\320 CIVIL & STRUCTURAL\322 SITE DESIGN\PLAN & PROFILES\NEXT-159 P&P SHEETS 54-68.DWG LAST SAVED BY: nrfoster 9/3/2020 12:13 PM PLOTTED BY: Nolan R. Foster 9/3/2020 4:19 PM Tab:58 (11x17)



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 60

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

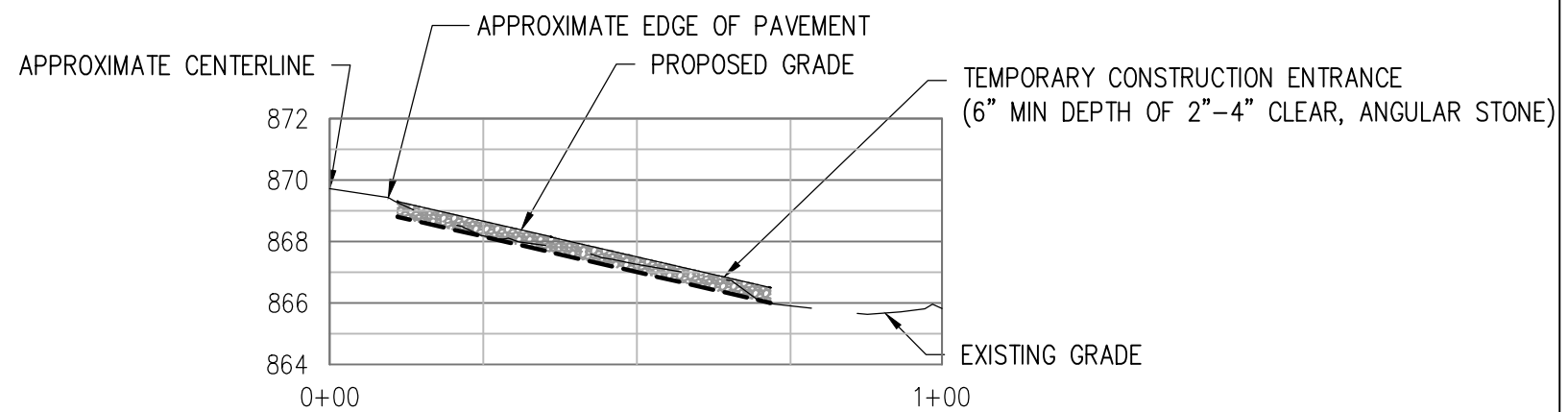
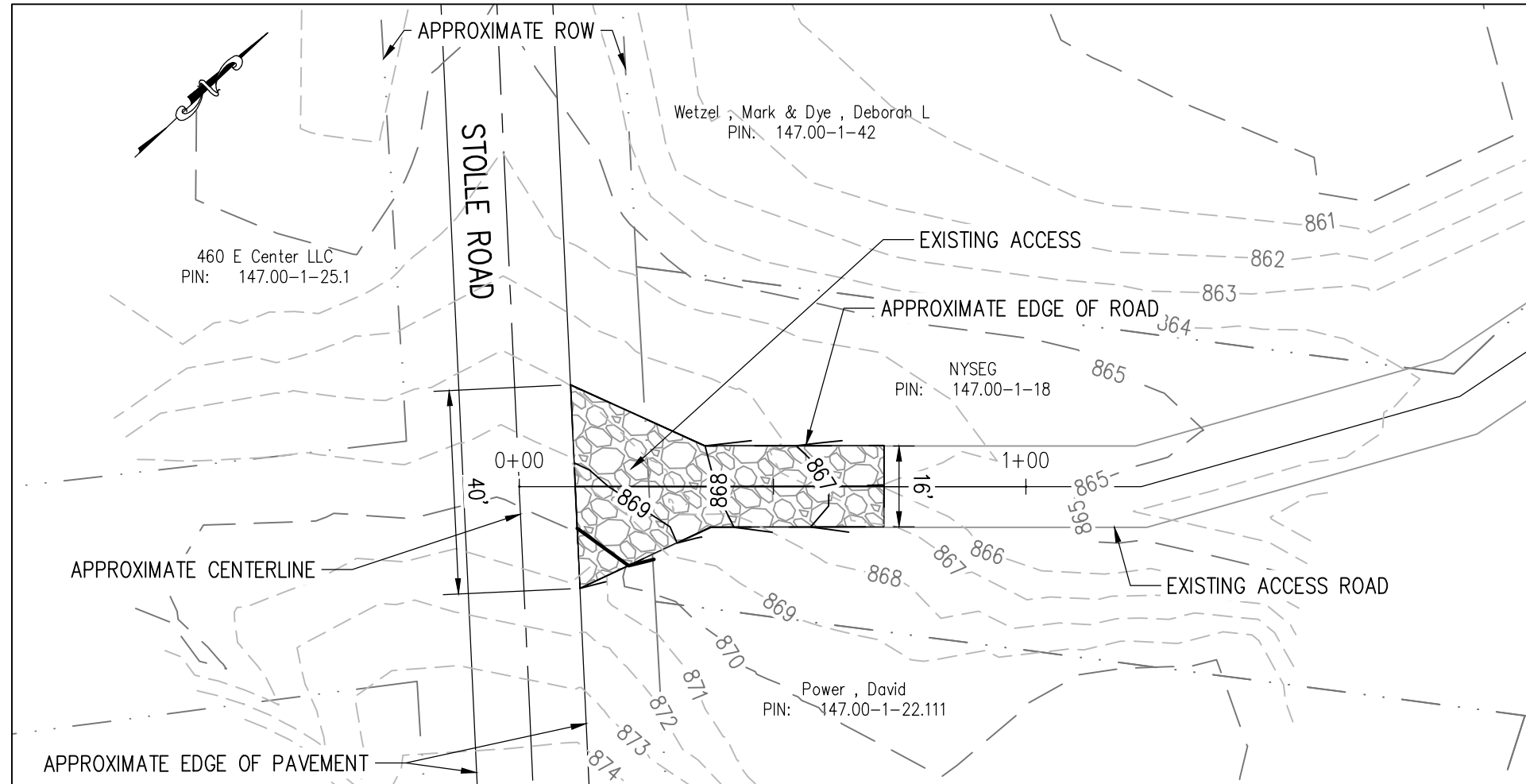
0 10FT 30FT 60FT
SCALE: 1"=30'

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 3:30 PM PLOTTED BY: Nolan R. Foster 9/15/2020 8:45 AM Tab:60 (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 60 PLAN & PROFILE	
DWG. NAME:	EST-D-P002-60
REV NO:	C



ACCESS 61

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

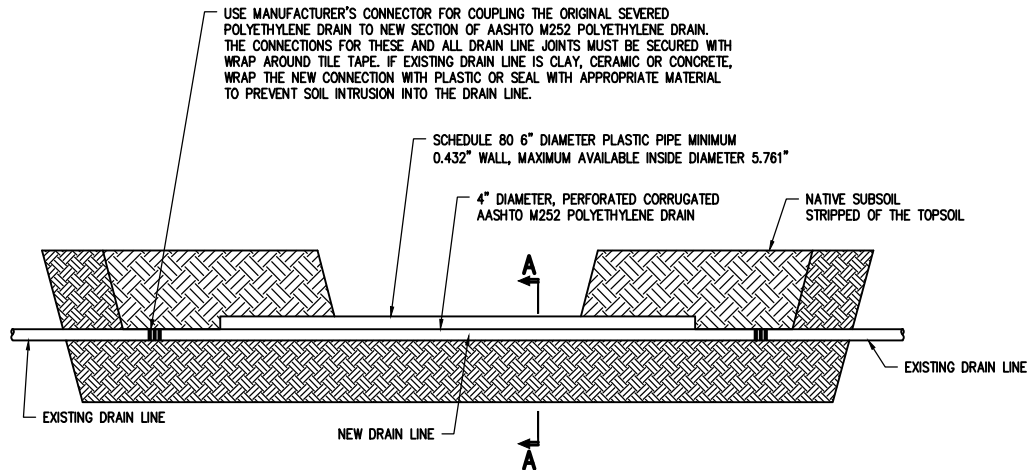
0 10FT 30FT 60FT
SCALE: 1"=30'

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 3:30 PM PLOTTED BY: Nolan R. Foster 9/15/2020 8:38 AM 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
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EMPIRE STATE LINE ENTRANCE PLANS ACCESS 61 PLAN & PROFILE		DWG. NAME:	EST-D-P002-61	REV NO:	C



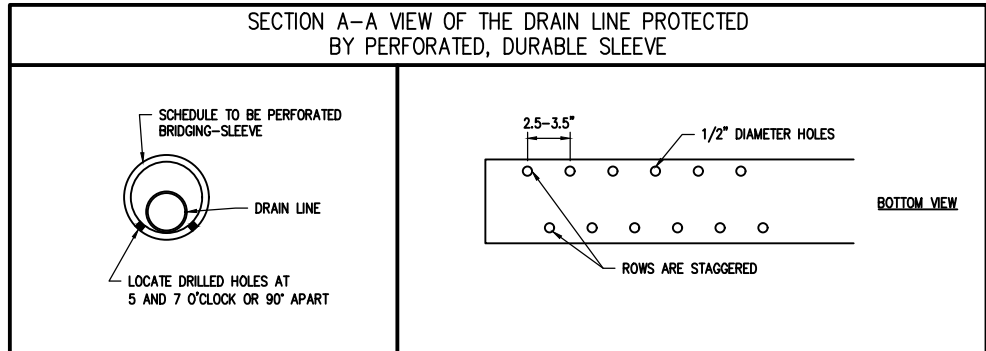
DRAINAGE TILE	DRAINAGE TILE
3" TO 5"	6" PIPE
6" TO 8"	8" PIPE
8" TO 10"	10" PIPE
10" TO 12"	12" PIPE
12" TO 14"	W12 x 14
14" TO 16"	W16 x 26
16" TO 18"	W18 x 46

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.

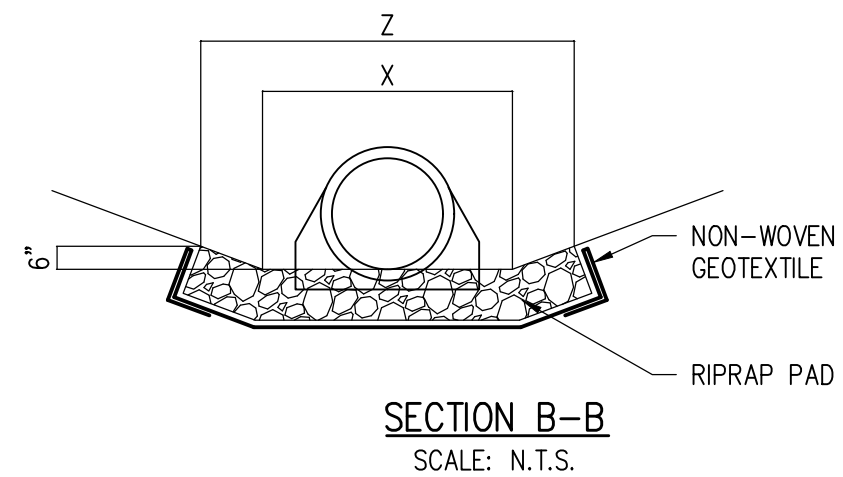
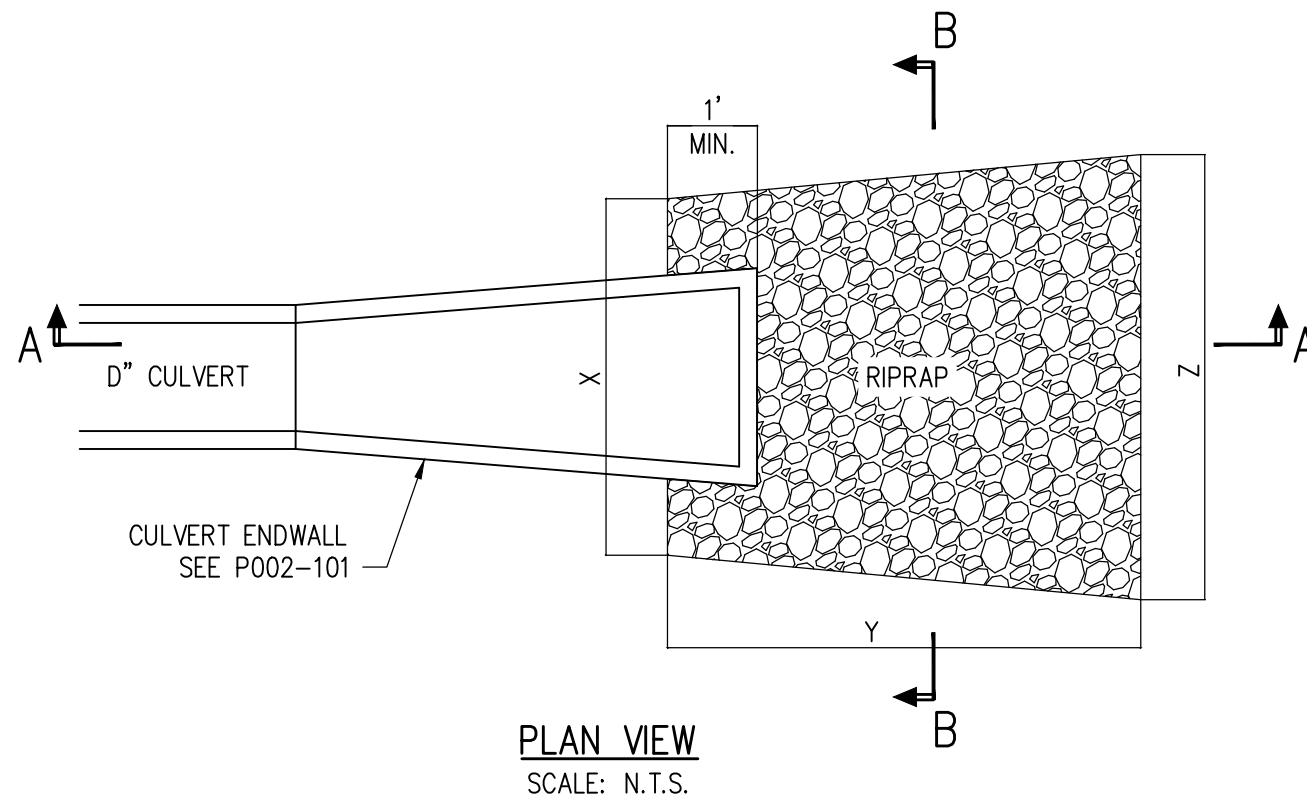
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DATE	REV.	DATE	
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DRAWN	3		
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REVIEWED	5		
APPROVED	6		
	7		



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

ENGINEERING RECORD		DATE
DRAWN	T. WILCOX	08/14/20
DESIGNED		
CHECKED		
APPROVED		
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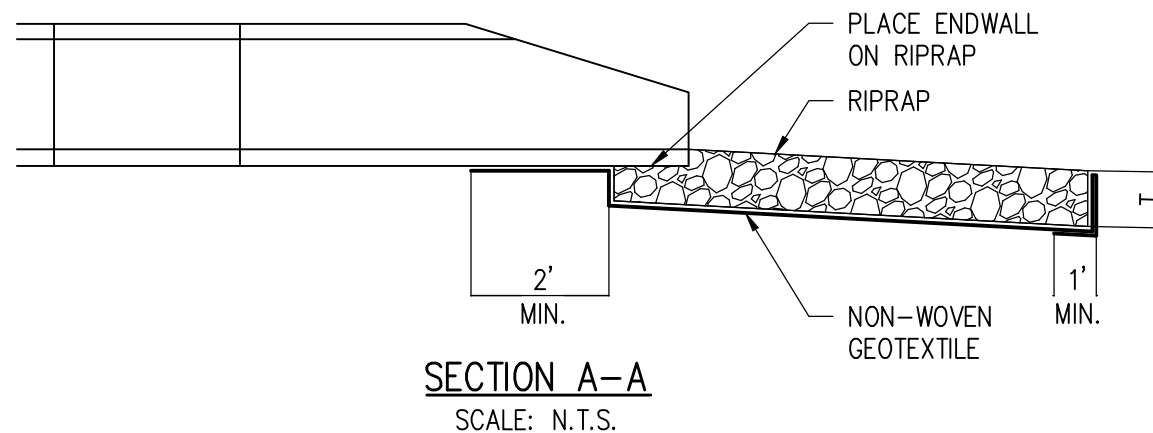
EMPIRE STATE TRANSMISSION LINE		
DRAIN TILE REPAIR TYPICAL		
DWG. NAME:	EST-B-P002-62	REVISION NO : A



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.

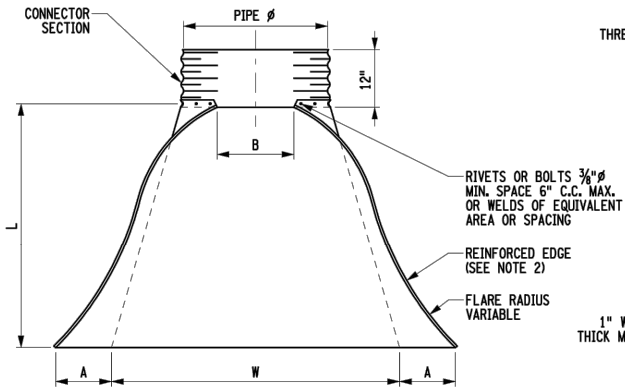


CULVERT DETAIL
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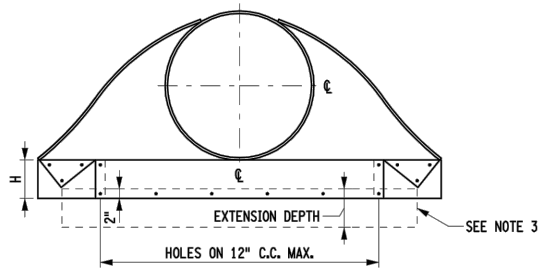
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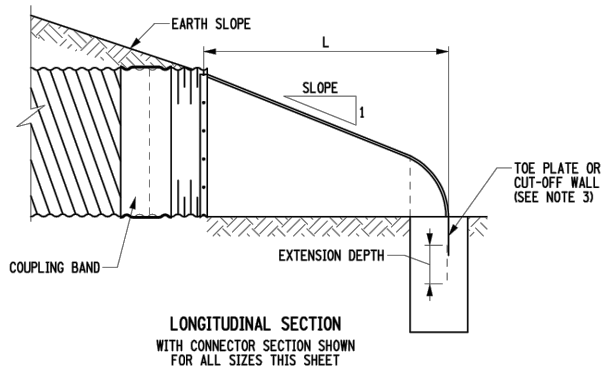
CORRUGATED METAL PIPE										
PIPE DIA.	END SECTION GAUGE AND DIMENSIONS						APPROX. SLOPE	BODY PIECES (NOTE 4)	TOE PLATE EXTENSION	
	GAUGE	A 1"±	B 1"±	H 1"±	L 1 1/2"±	W 2"±			DEPTH	LENGTH 2"±
12"	16	6"	6"	6"	21"	24"	2-1/2	1 OR 2	8"	34"
15"	16	7"	8"	6"	26"	30"	2-1/2	1 OR 2	8"	40"
18"	16	8"	10"	6"	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"



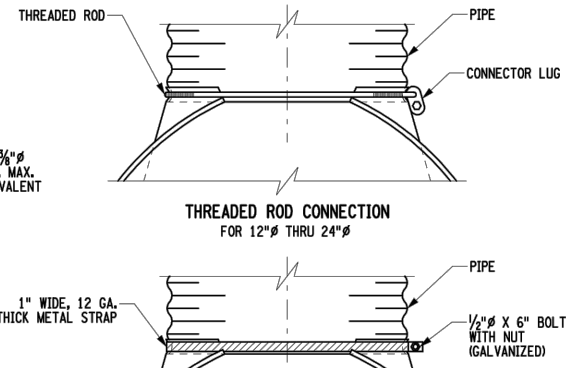
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WITH CONNECTOR SECTION SHOWN
FOR ALL SIZES THIS SHEET



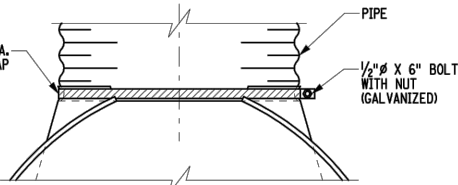
ELEVATION



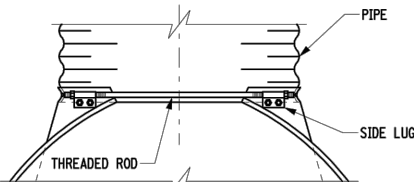
LONGITUDINAL SECTION
WITH CONNECTOR SECTION SHOWN
FOR ALL SIZES THIS SHEET



THREADED ROD CONNECTION
FOR 12"Ø THRU 24"Ø



METAL STRAP CONNECTION
FOR 12"Ø THRU 24"Ø (SEE NOTE 5)

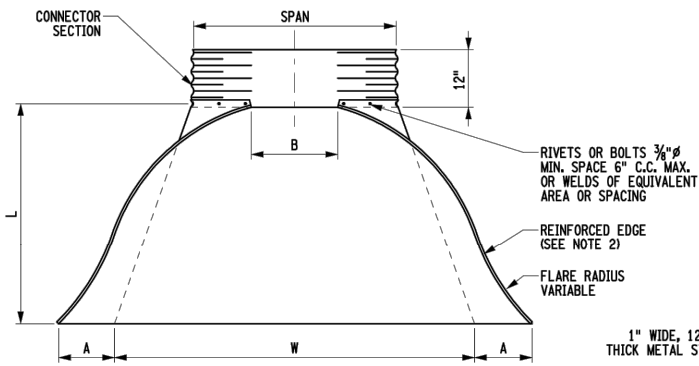


THREADED ROD CONNECTION
FOR 54"Ø AND SMALLER

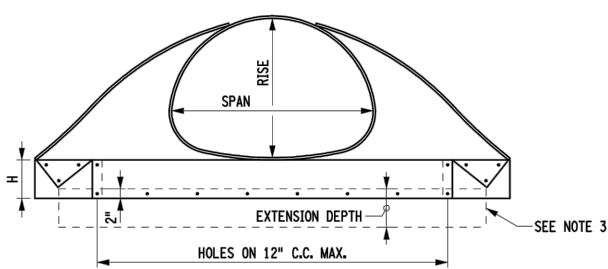
NOTES:

- 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.

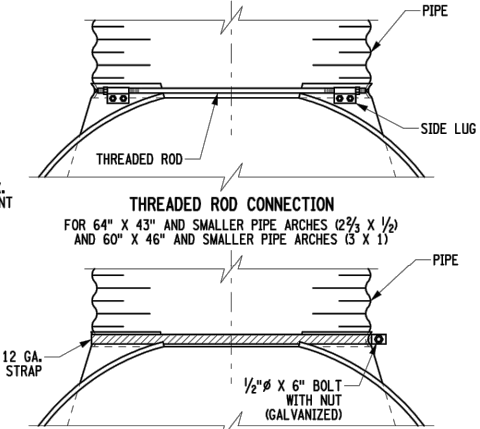
CORRUGATED METAL PIPE ARCH											
2 3/4" X 1/2" CORRUGATION	3" X 1" OR 5" X 1" CORRUGATION	END SECTION GAUGE AND DIMENSIONS						APPROX. SLOPE	BODY PIECES (NOTE 4)	TOE PLATE EXTENSION	
SPAN AND RISE	SPAN AND RISE	GAUGE	A 1"±	B 1"±	H 1"±	L 1 1/2"±	W 2"±			DEPTH	LENGTH 2"±
17" X 13"		16	7"	9"	6"	19"	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"	60"	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"



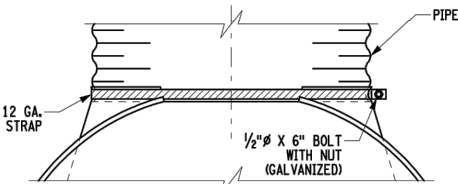
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FOR ALL SIZES THIS SHEET



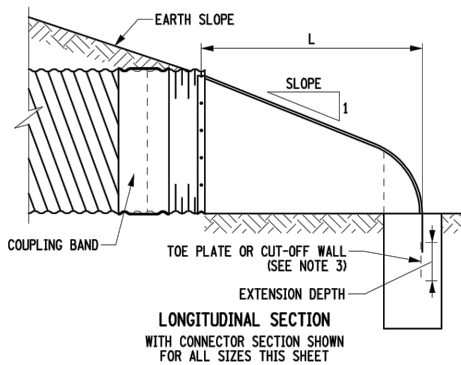
ELEVATION



THREADED ROD CONNECTION
FOR 64" X 43" AND SMALLER PIPE ARCHES (2 1/2" X 1 1/2")
AND 60" X 46" AND SMALLER PIPE ARCHES (3" X 1")



METAL STRAP CONNECTION
FOR 28" X 20" ARCHES AND SMALLER (SEE NOTE 6)



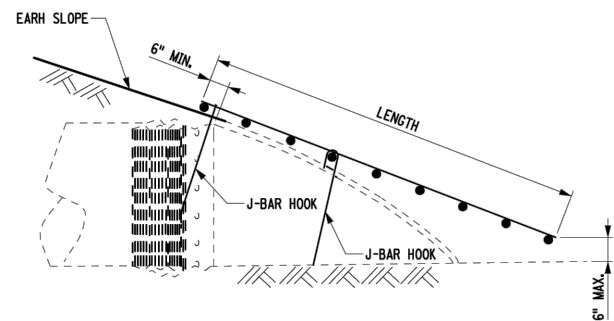
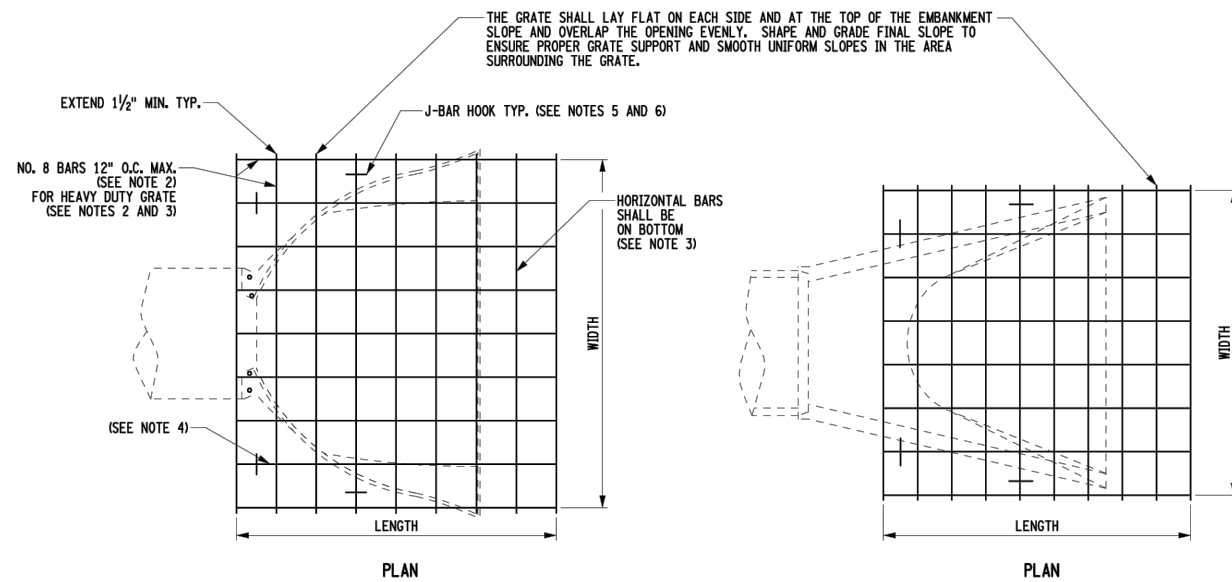
LONGITUDINAL SECTION
WITH CONNECTOR SECTION SHOWN
FOR ALL SIZES THIS SHEET

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

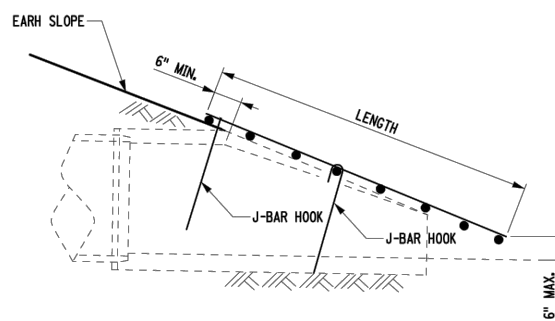
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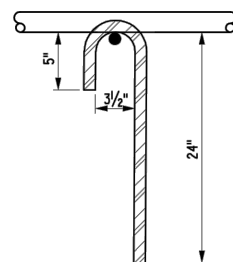
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USER = jturley



SECTION
METAL END SECTION SAFETY GRATE



SECTION
REINFORCED CONCRETE END SECTION SAFETY GRATE



TYPICAL J-BAR HOOK

NOTES:

1. 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.
2. BARS SHALL BE GRADE 60, FULL LENGTH, WITH NO SPLICES OR BUTT WELDS. VERTICAL BARS SHALL BE ON TOP.
3. THE HORIZONTAL BARS SHALL BE NO. 11 FOR THE HEAVY-DUTY GRATES.
4. 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.
5. J-BAR HOOKS SHALL BE NO. 6 BAR, OR NO. 4 GALVANIZED IN ACCORDANCE WITH §719-01.
6. 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.
7. 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 1/2	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	

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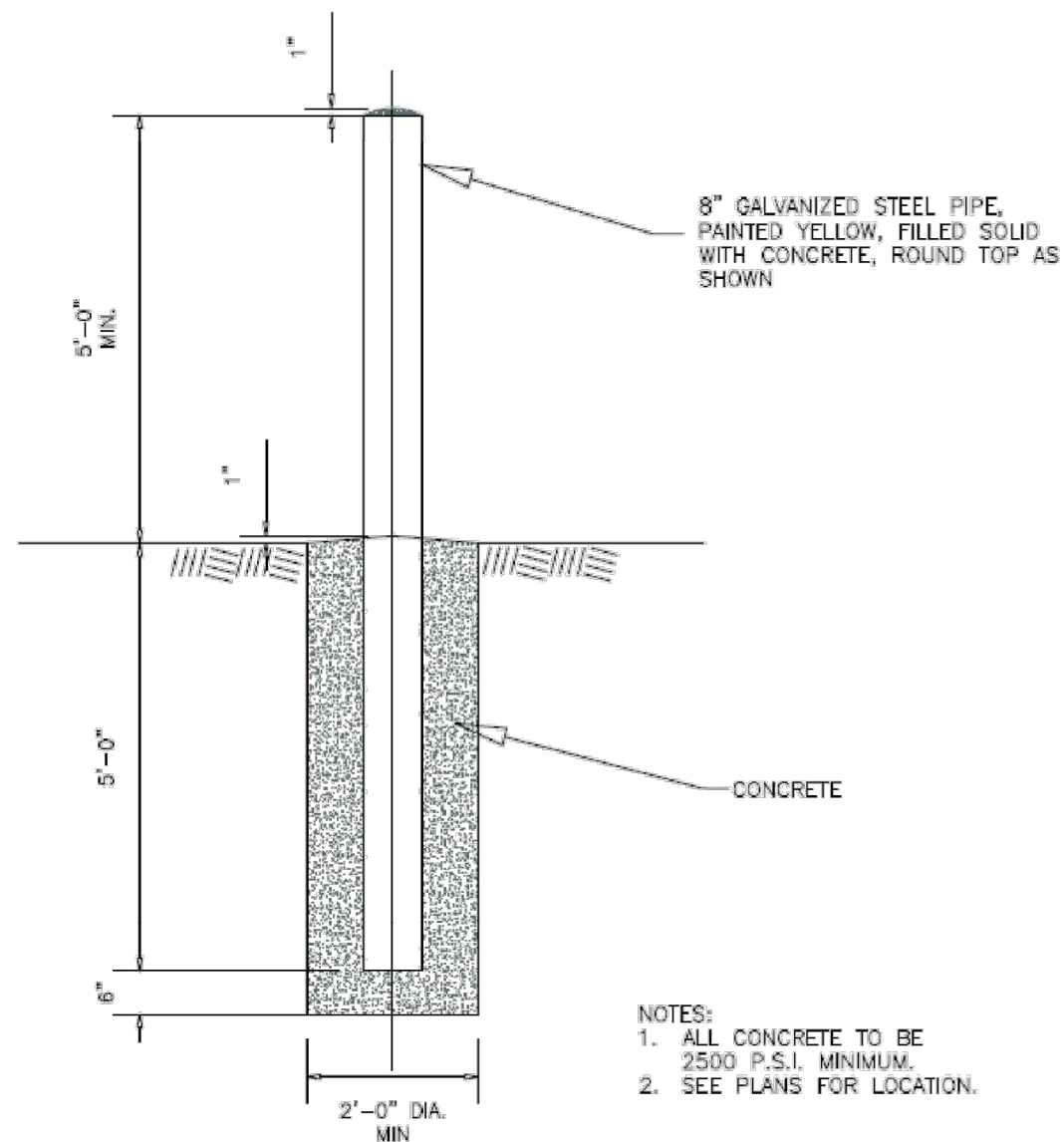


ENGINEERING RECORD		DATE
DRAWN	D. JOHNSON	11/19
DESIGNED	N. FOSTER	11/19
CHECKED	C. JOBES	11/19
APPROVED	B. PUCKETT	11/19
DWG SCALE: 1" = 30'		Sheet Size: ANSI B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS 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
R.O.W. GATES AND FENCES
TYPICAL BOLLARD DETAIL

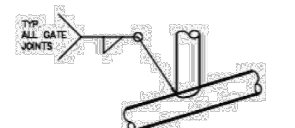
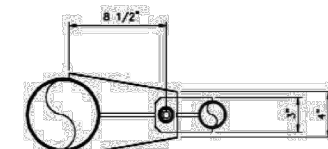
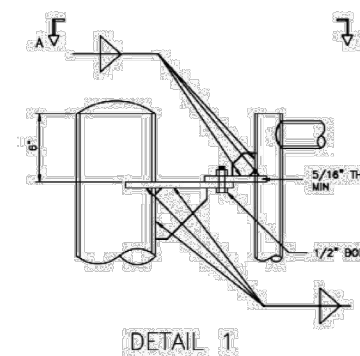
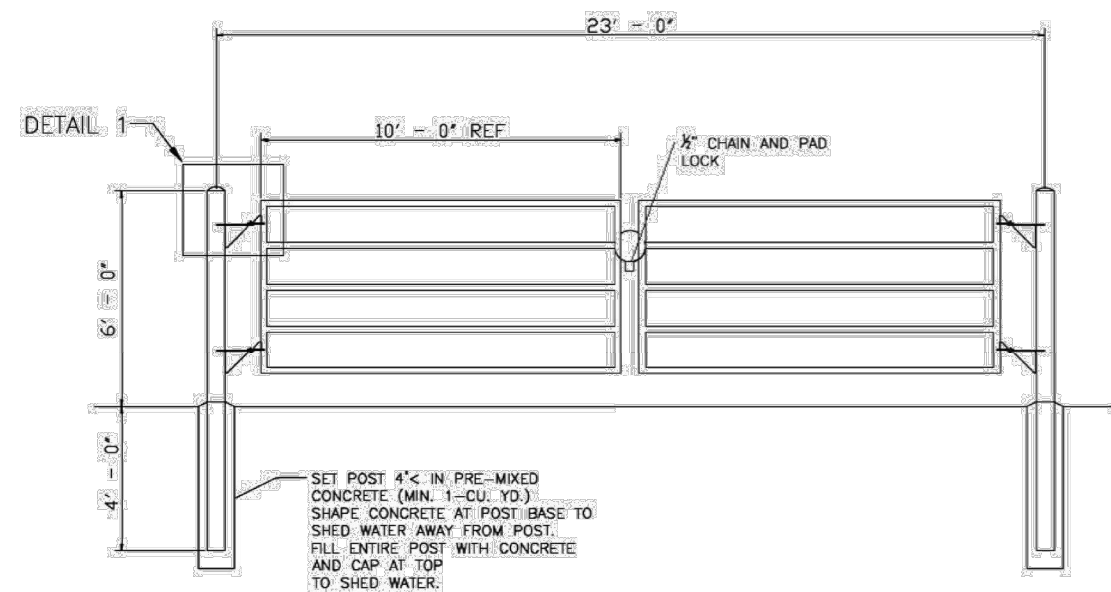
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REVIEWED BY	JLC
APPROVED BY	MSB
SCALE	NTS
SHEET	5 OF 5
INDEX	SP.06.01.301

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SP.06.01.301.103

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- NOTES:
1. GATE COATING - THE FINISHED WELDED GATE AND POST/HINGE ASSEMBLIES SHALL BE HOT-DIP GALVANIZED PER THE LATEST EDITION OF ASTM A123.
 2. GATE: 2" SCH. 40 GALV. PIPE. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AMERICAN WELDING STANDARD D11.
 3. POSTS: 6" SCH. 40 GALVANIZED PIPE.
 4. HINGES ARE WELDED PLATES (5/16" THK. MIN.) AND CASE HARDENED 1/2" BOLTS. THE BOLTS ARE TO BE SPOT WELDED TO PREVENT LOOSENING. SELF LOCKING NUTS CAN BE SUBSTITUTED FOR SPOT WELDING.

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

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AGRICULTURAL STEEL
GATE DETAILS
EM&CP 0543

SCALE: NONE

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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 B (11x17)

EMPIRE STATE LINE ENTRANCE PLANS DETAILS-SHEET 4	
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