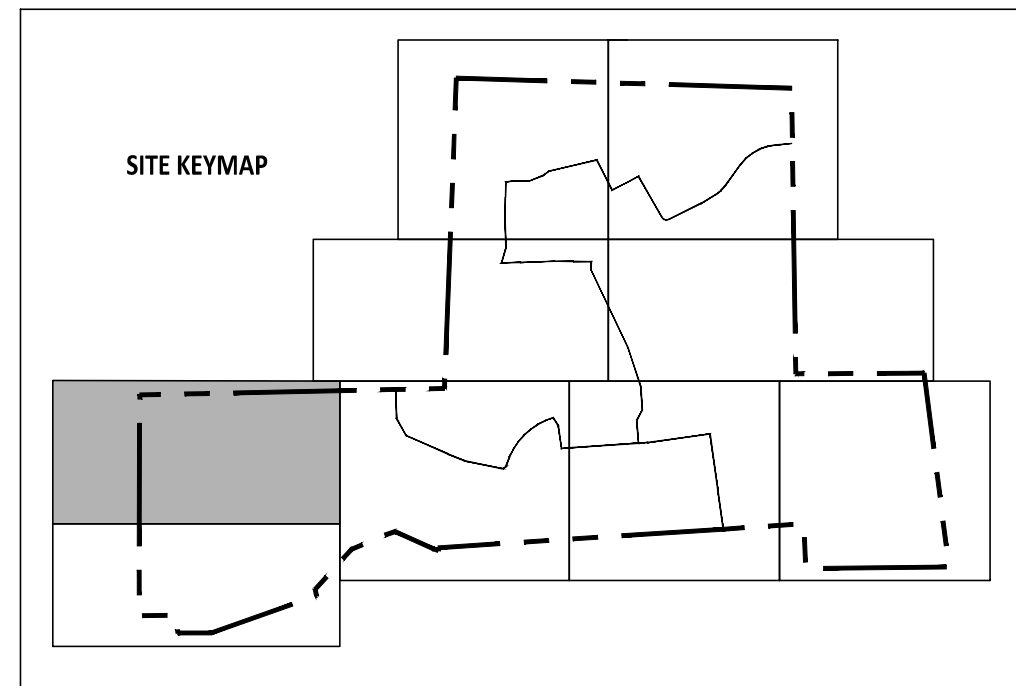
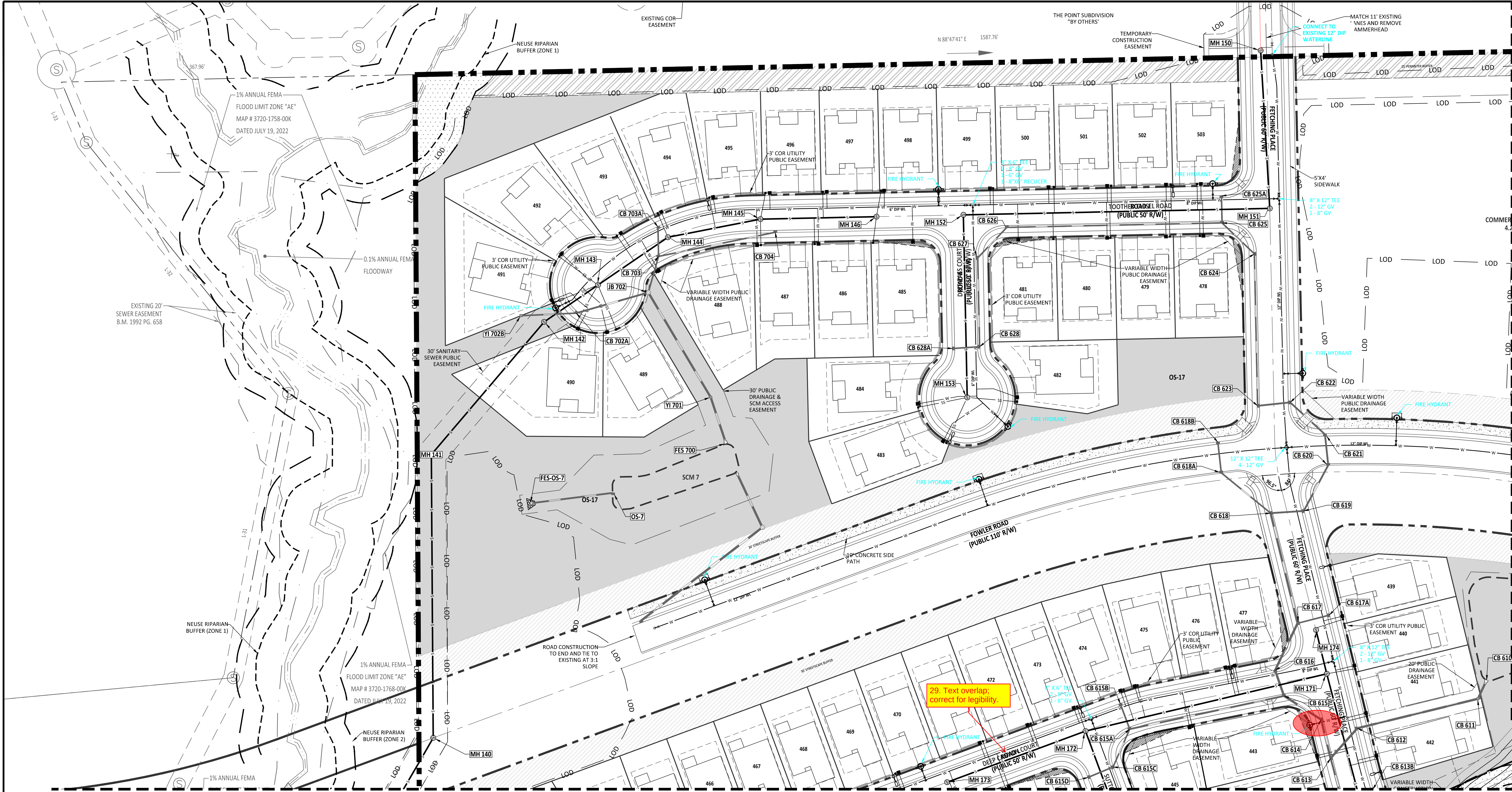


UTILITY PLAN LEGEND	
WATER VALVE	
SEWER METER	
WATER METER	
FH	
MANHOLE	
WATER LINE	
SCM LOCATIONS	
SEWER LINE	
30' STREETScape BUFFER	
PERIMETER BUFFER	
NEUSE RIVER BUFFER	



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ROLESVILLE RD
WAKE COUNTY NC 27312

JOB NUMBER: 23-0004

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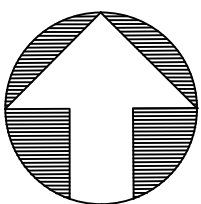
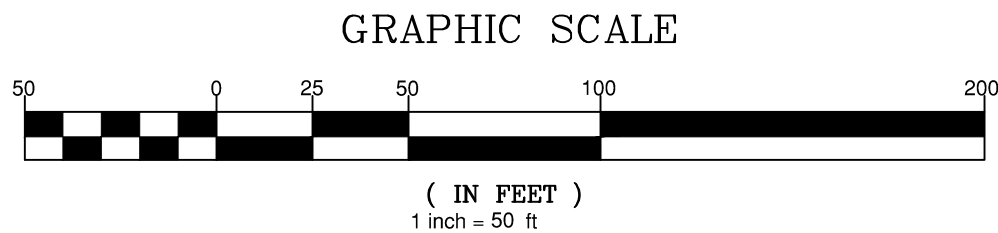
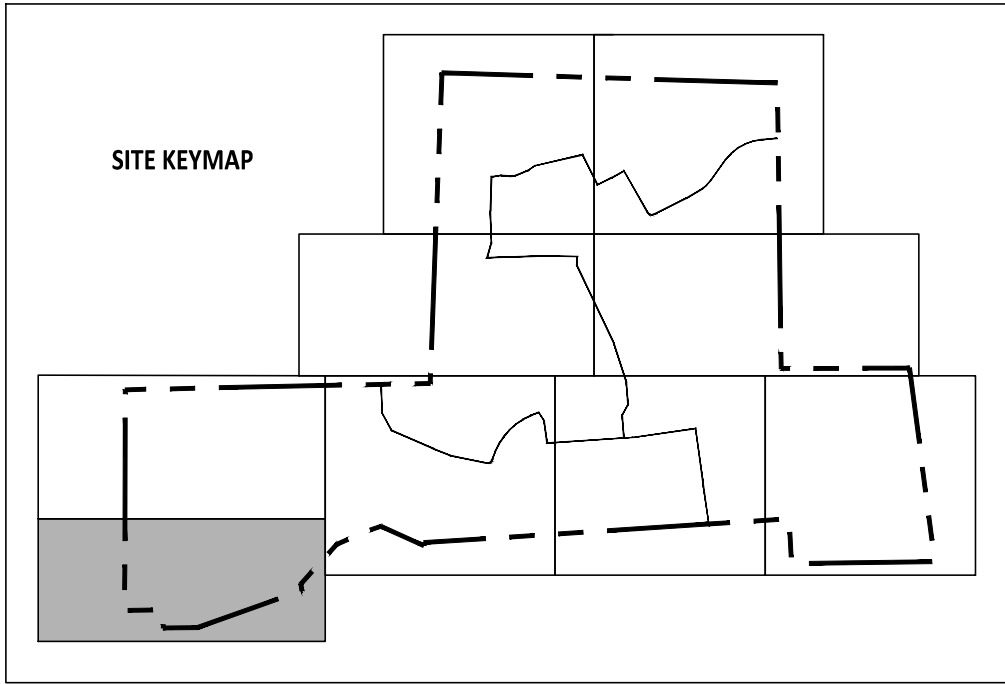
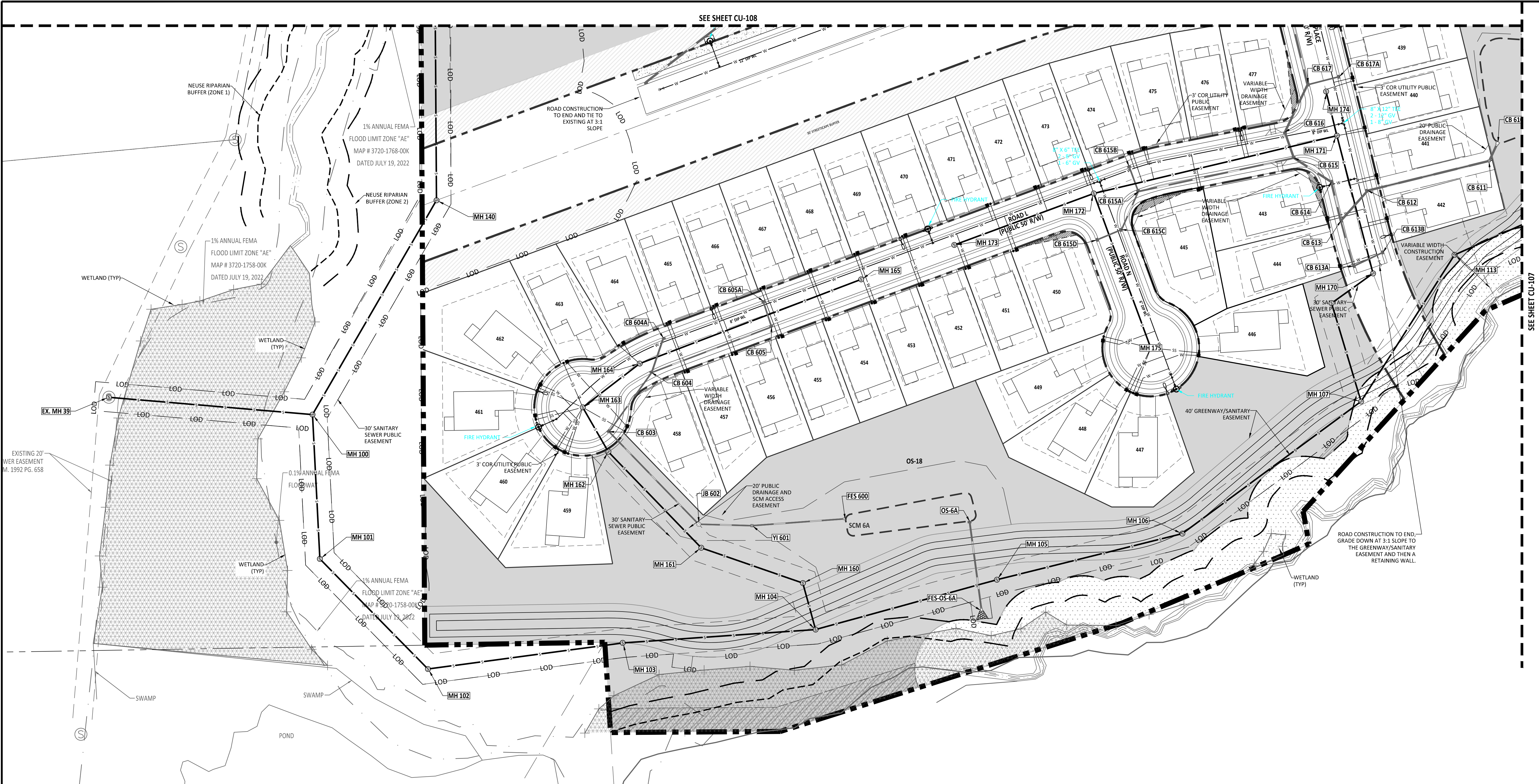
DRAWN BY: DH/RC/SM/GE/MA/LL/JB

DATE: 05/01/2025

SHEET TITLE:

UTILITY PLAN

SHEET NO.:
CU-108



UTILITY PLAN LEGEND	
WATER VALVE	
SEWER METER	
WATER METER	
FH	
MANHOLE	
WATER LINE	
SCM LOCATIONS	
SEWER LINE	
30' STREETSCAPE BUFFER	
PERIMETER BUFFER	
NEUSE RIVER BUFFER	



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UTILITY PLAN

ROLESVILLE RD

WAKE COUNTY NC 27312

JOB NUMBER: 23-0004

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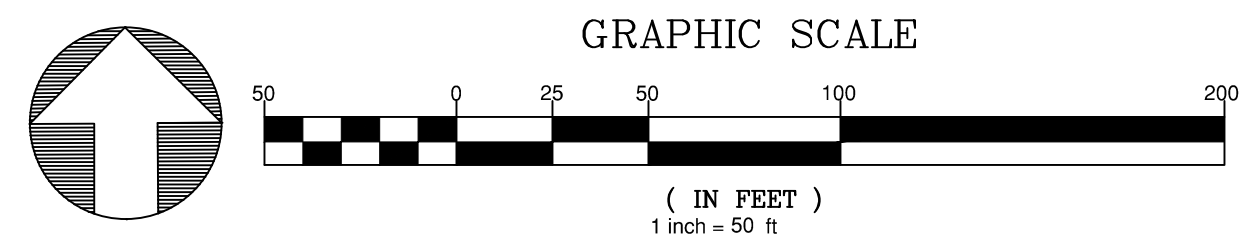
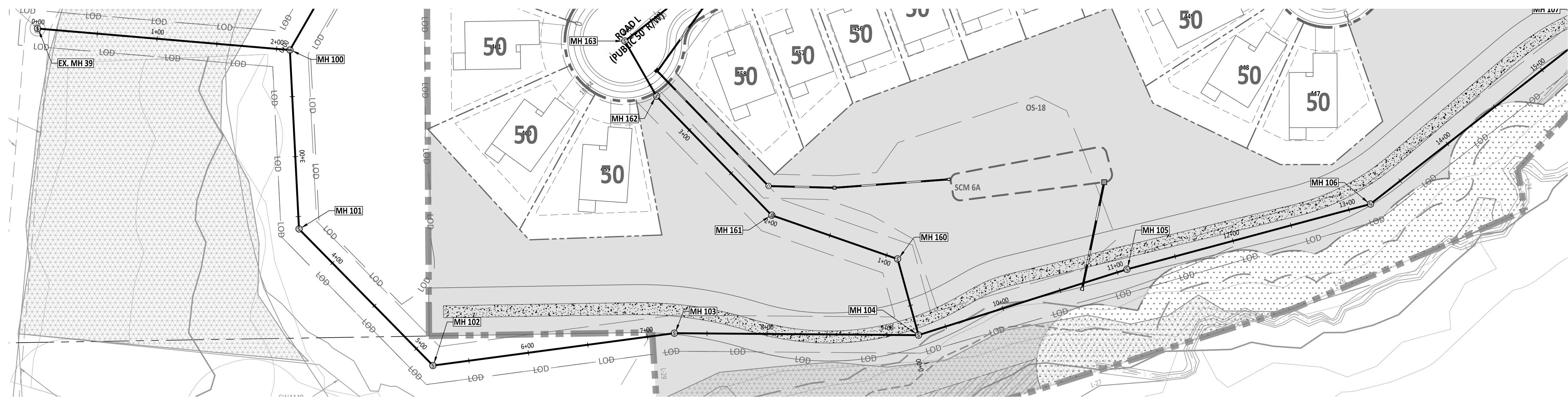
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DATE: 05/01/2025

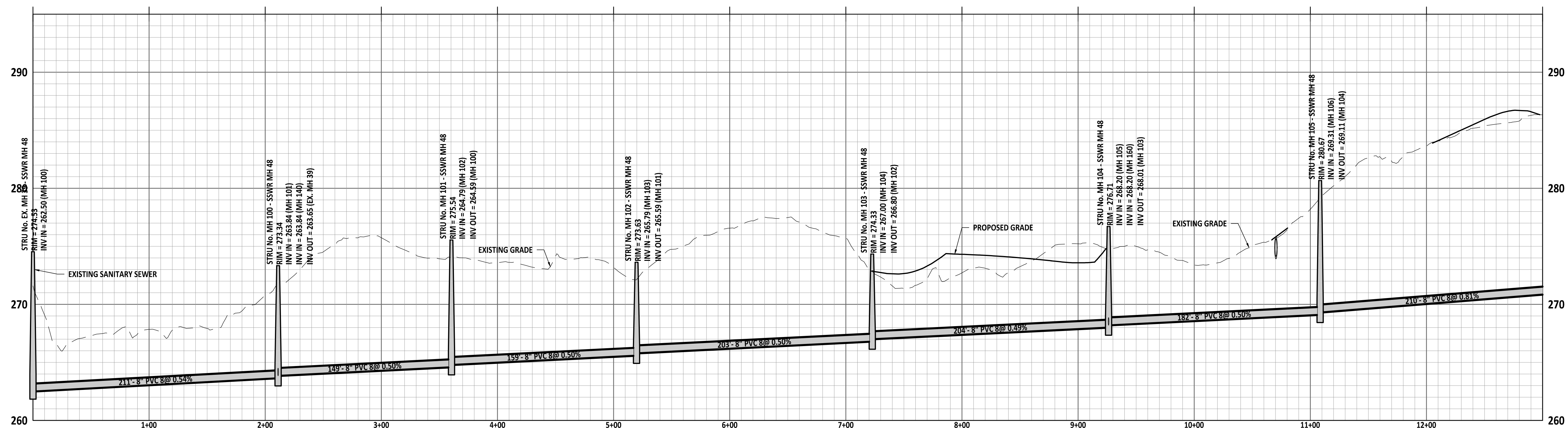
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SHEET NO.: **CU-109**



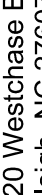
EX. MH# 39 TO MH# 105



99. Correct sheet number. This applies to multiple sheets.

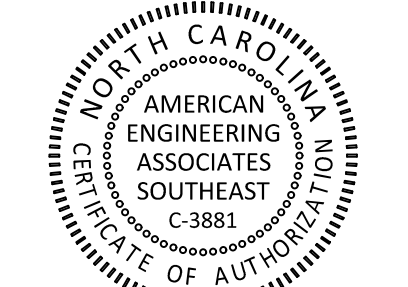


PROJECT NUMBER = PSP-24-07



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CU-200 PLAN & PROFILE
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WAKE COUNTY NC 27312

JOB NUMBER: 23-0004

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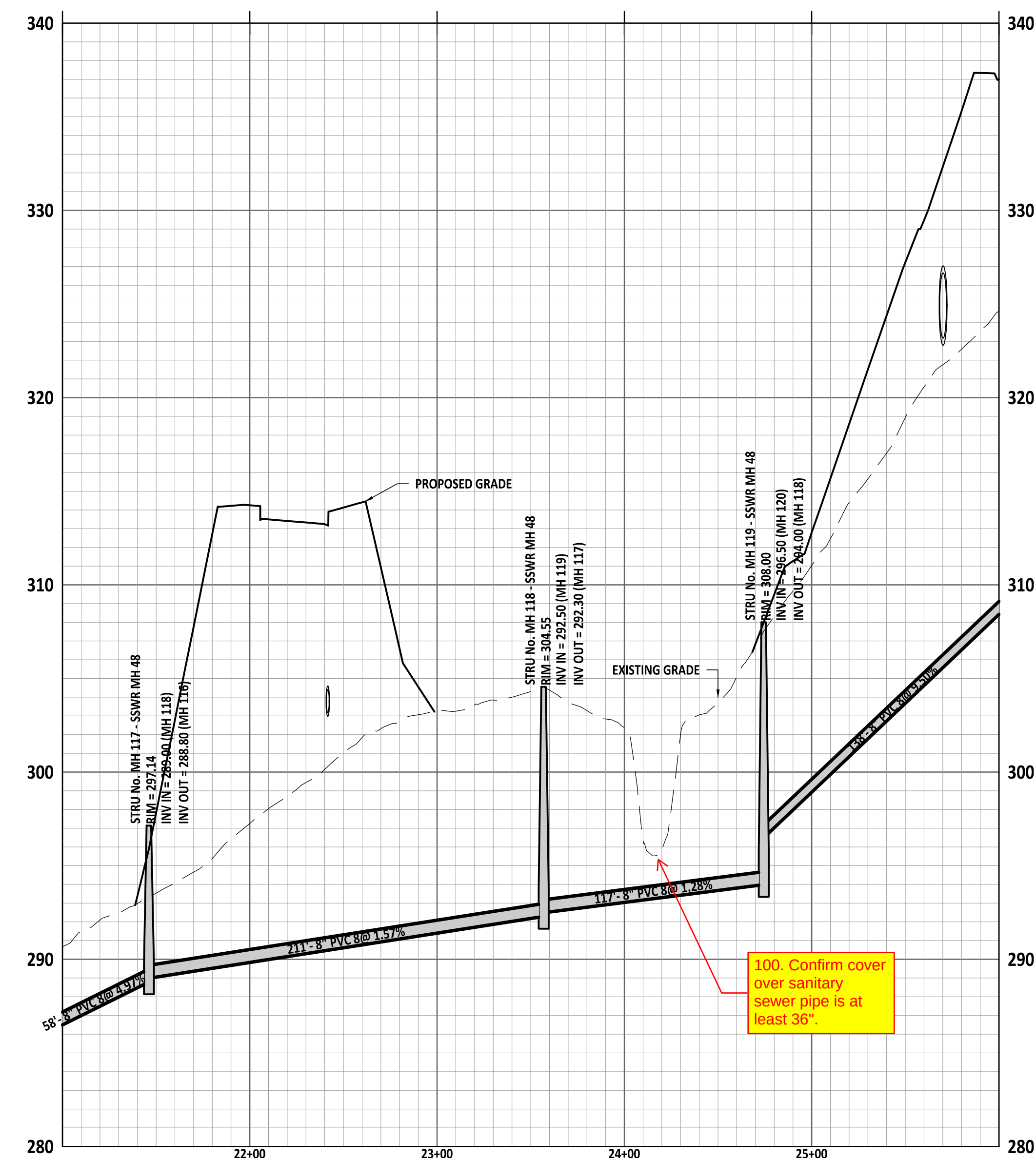
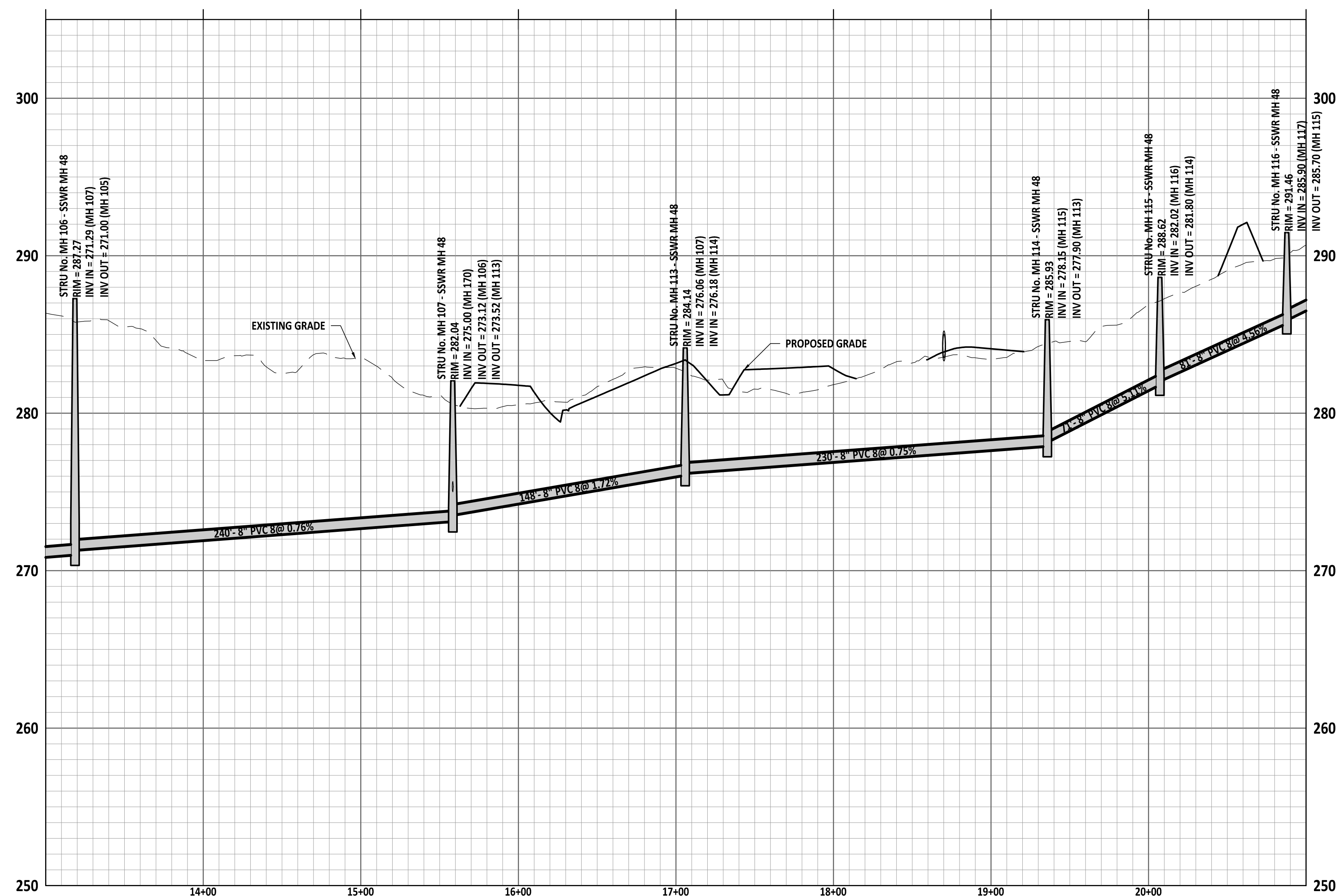
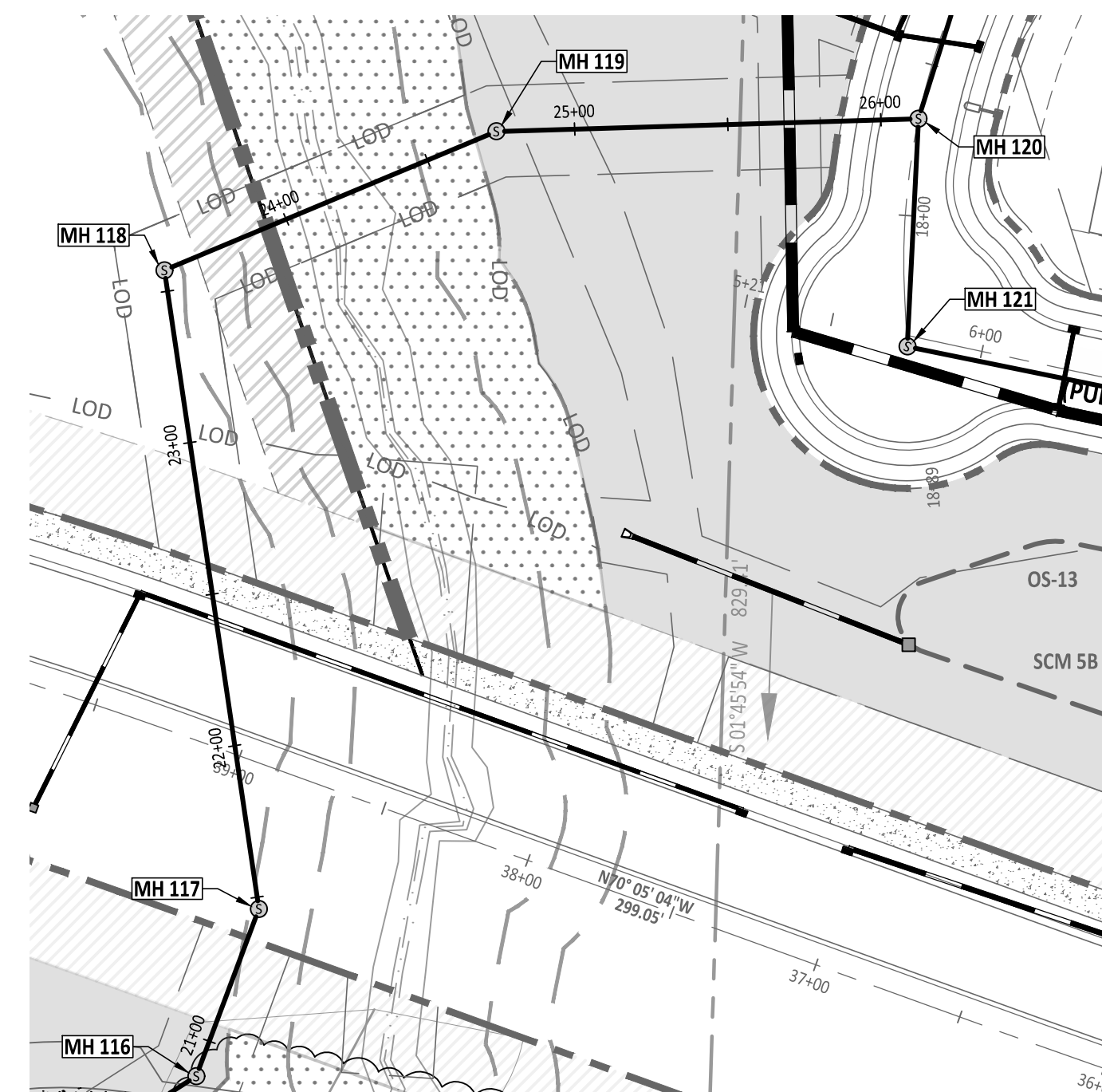
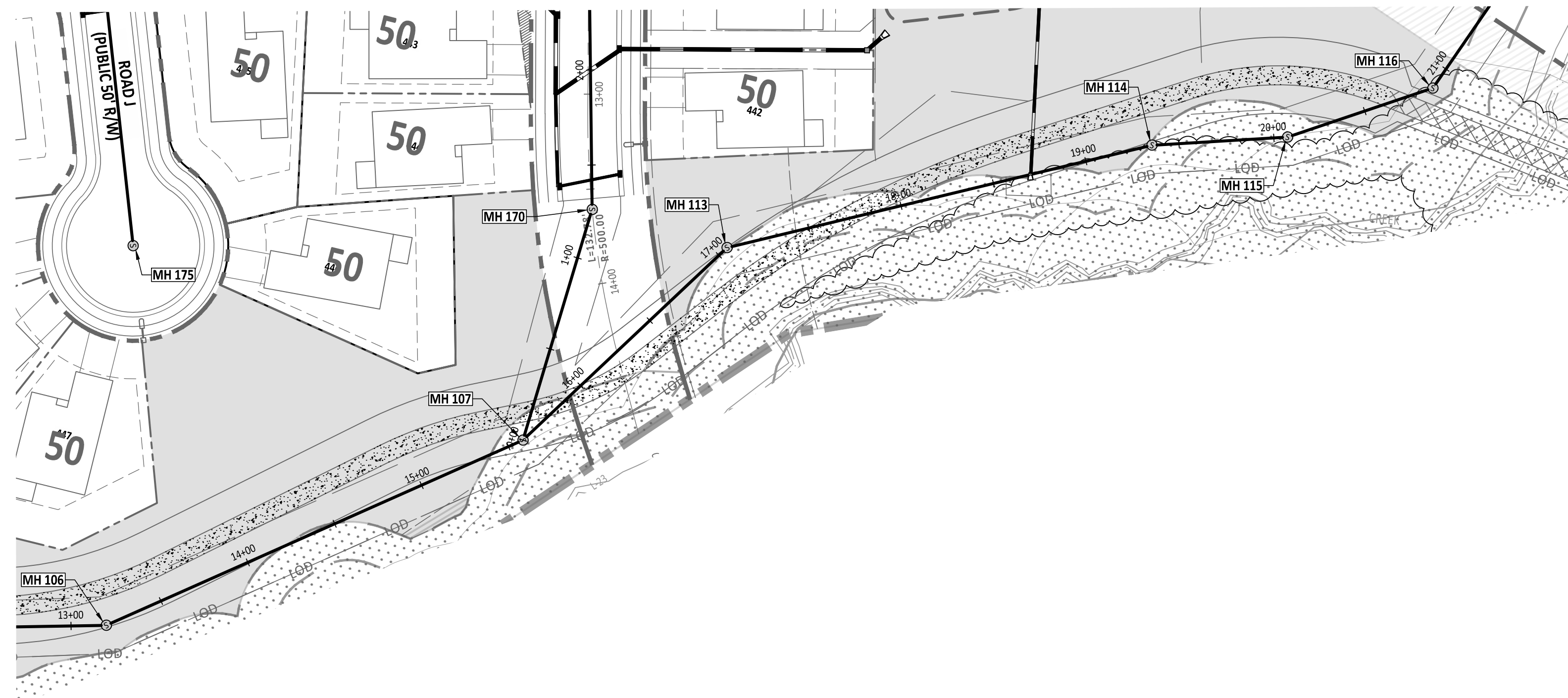
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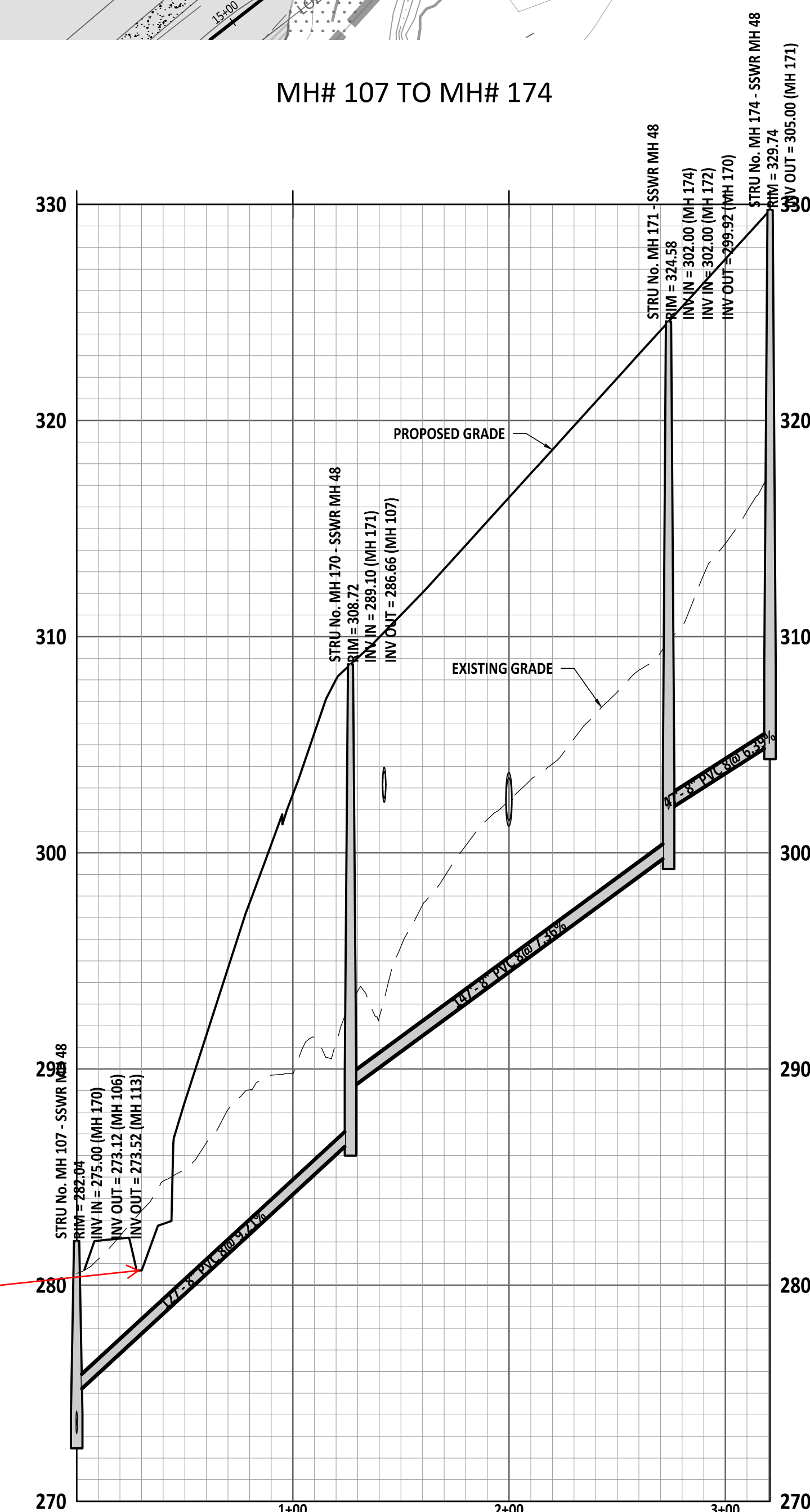
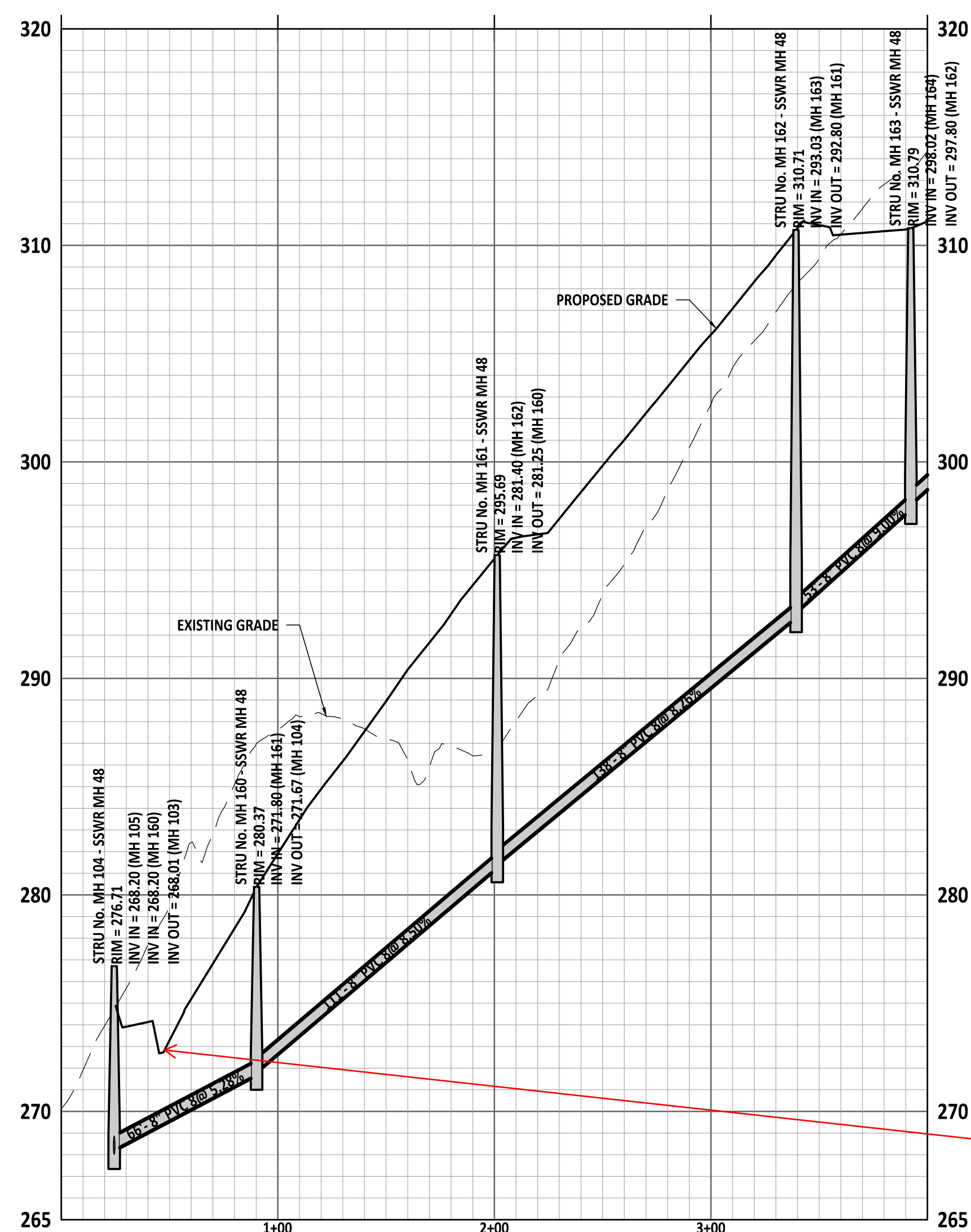
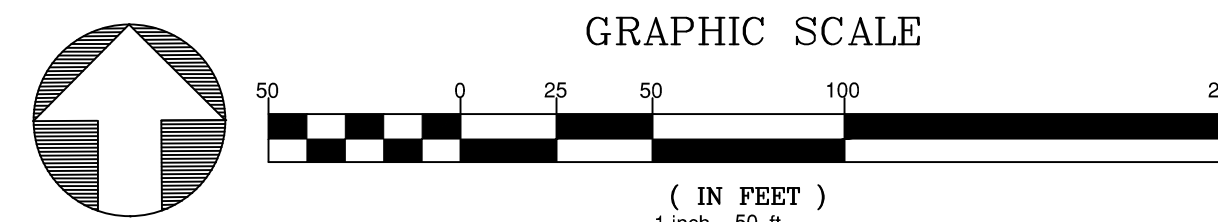
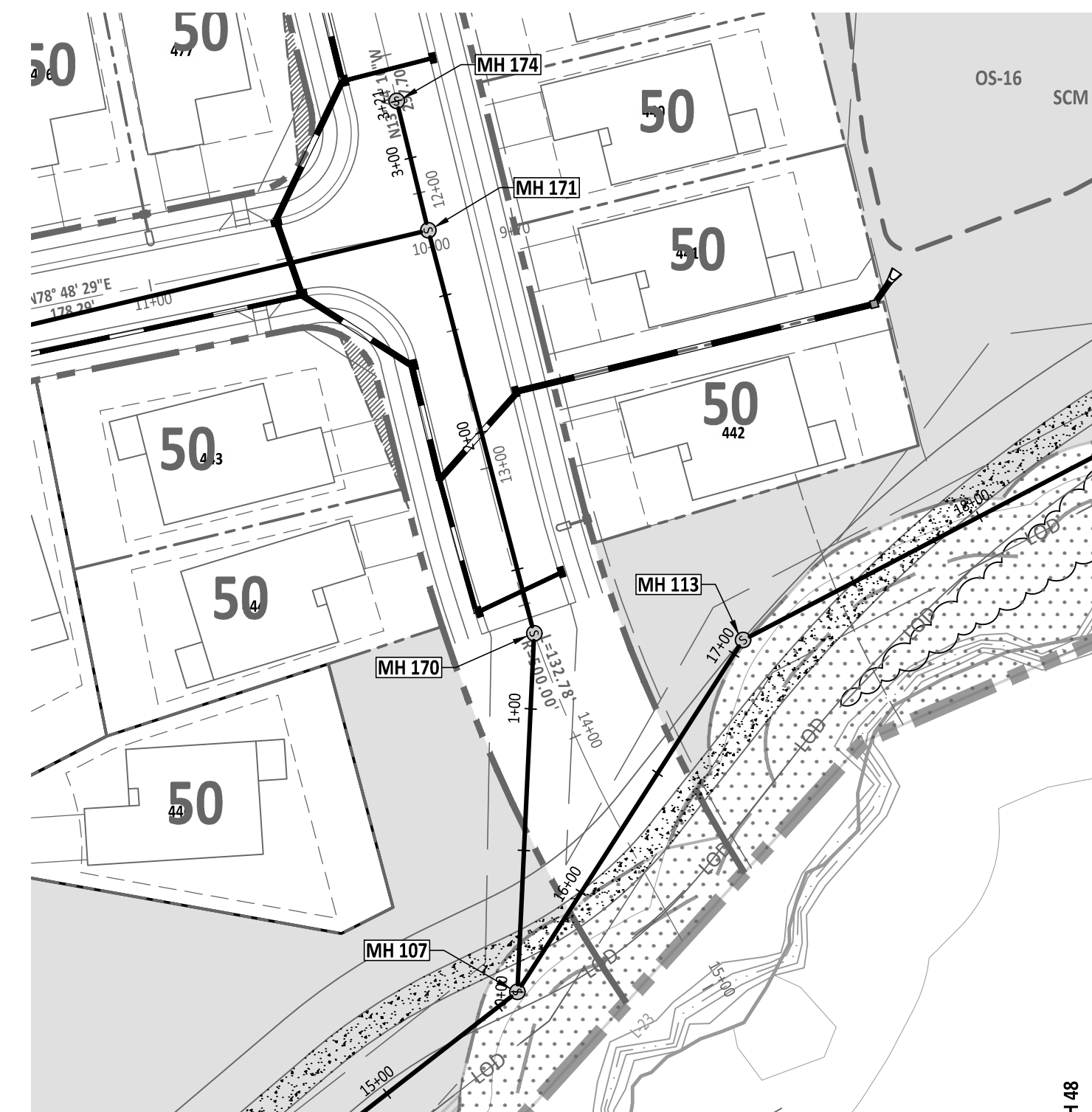
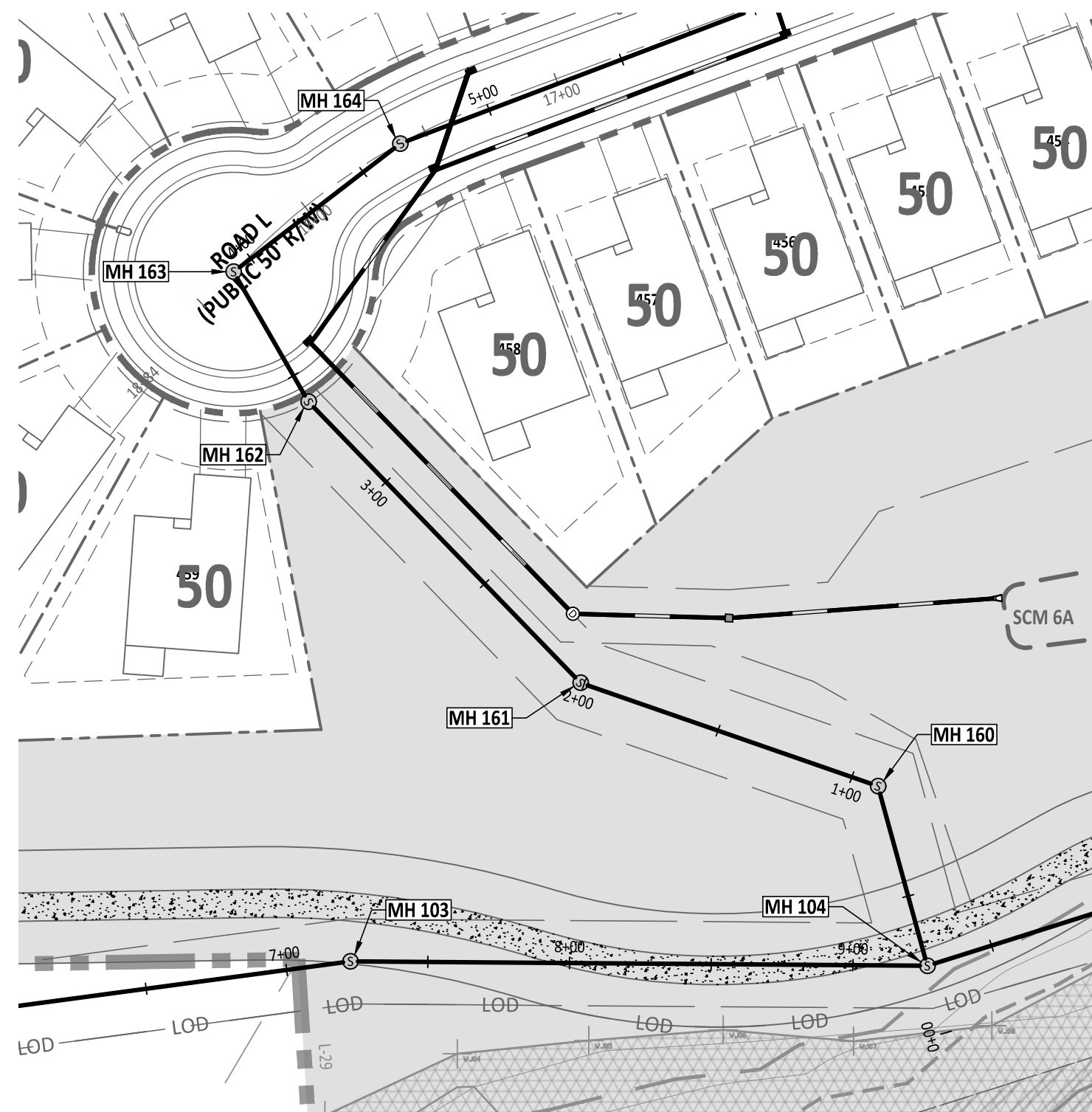
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S SET THREE.

**CU-200 PLAN
& PROFILE**

SHEET NO.:





100. Confirm cover over sanitary sewer pipe is at least 36".

PROJECT NUMBER = PSP-24-07



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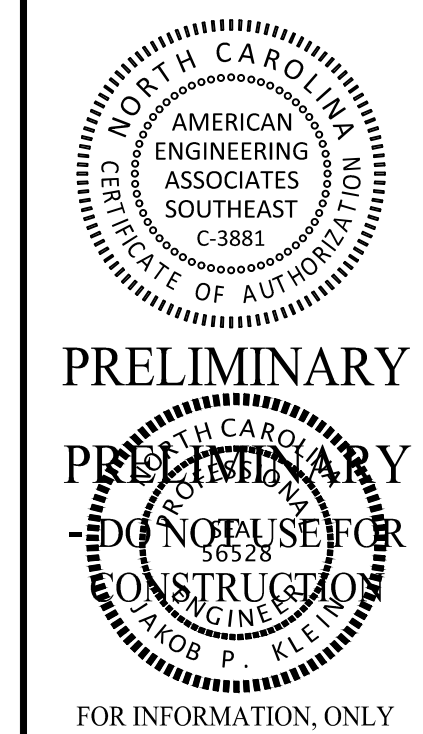
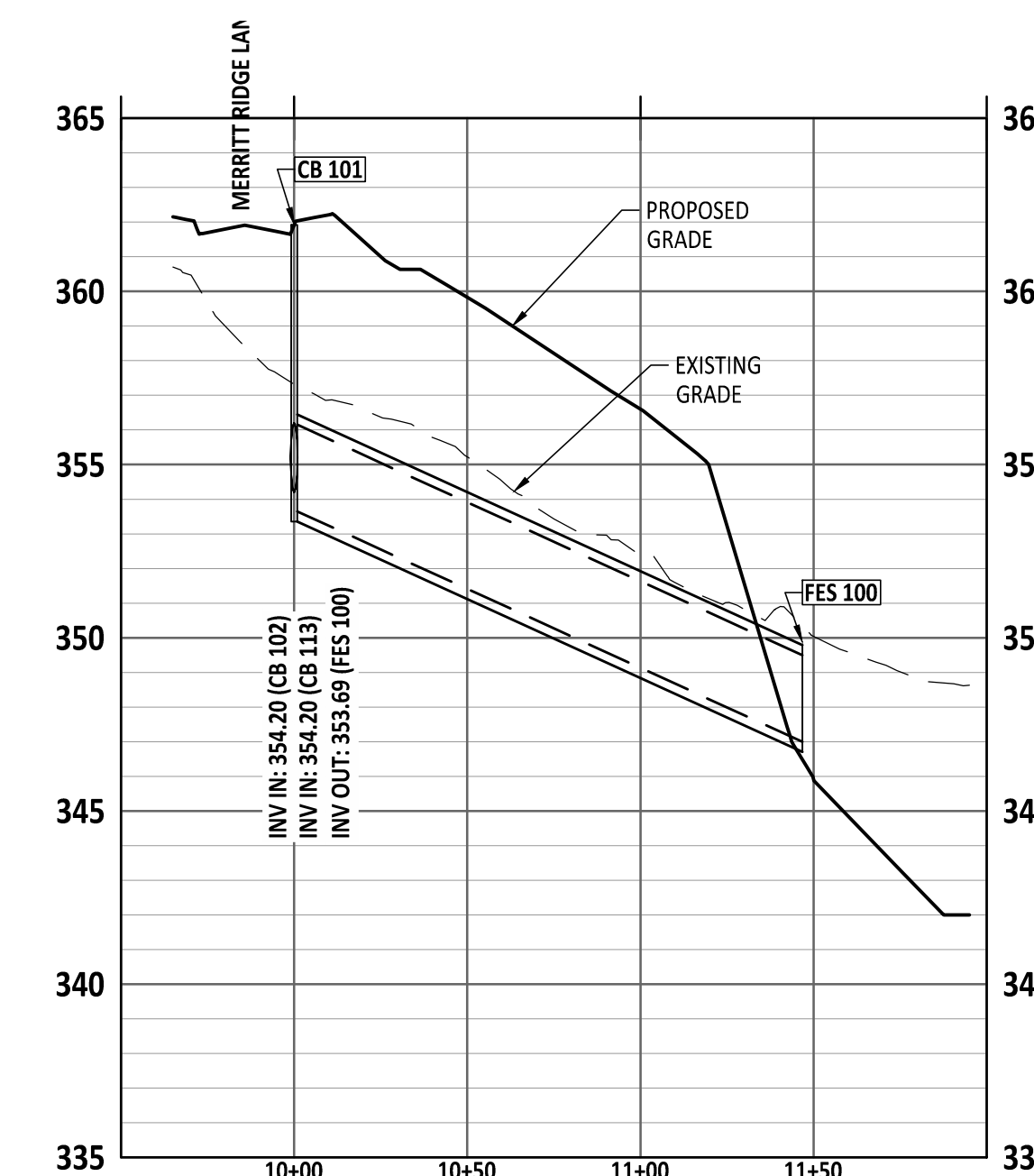
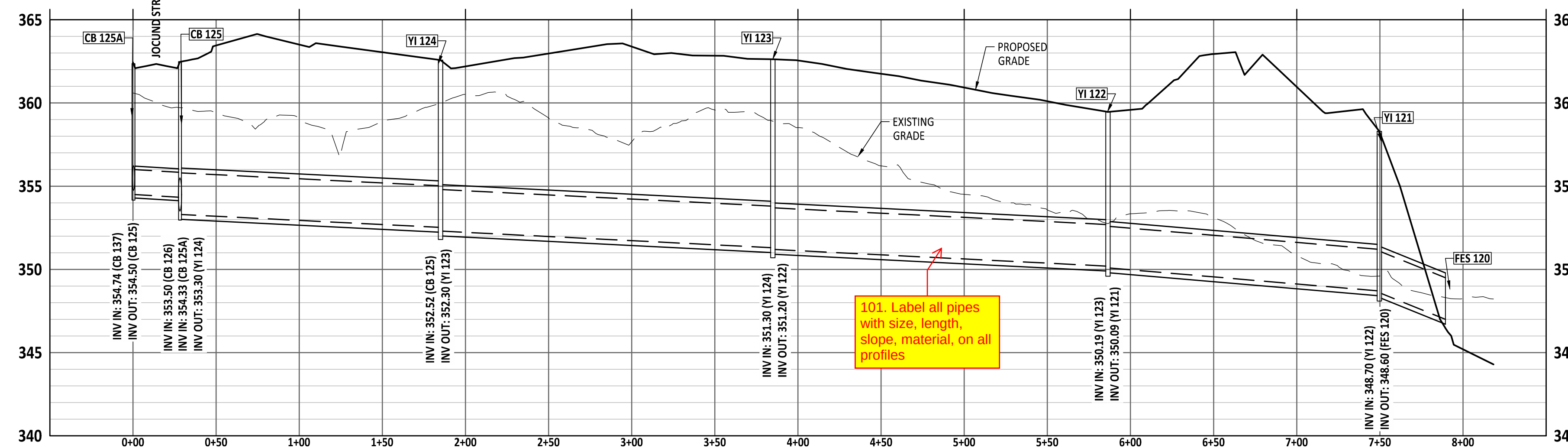
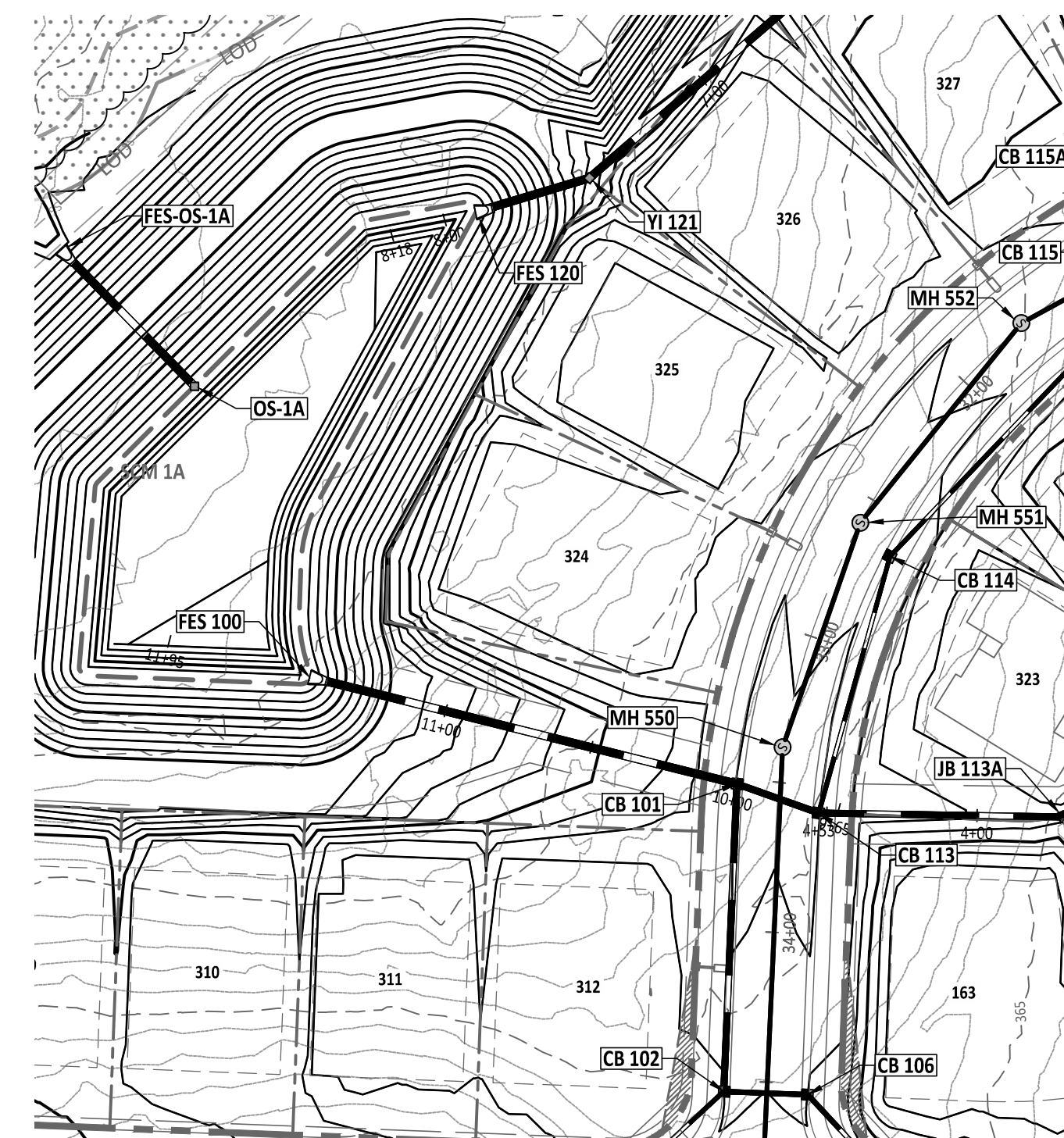
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WAKE COUNTY NC 27312

JOB NUMBER:	23-000
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DATE:	04/14/202
SHEET TITLE:	

SHEET NO.:

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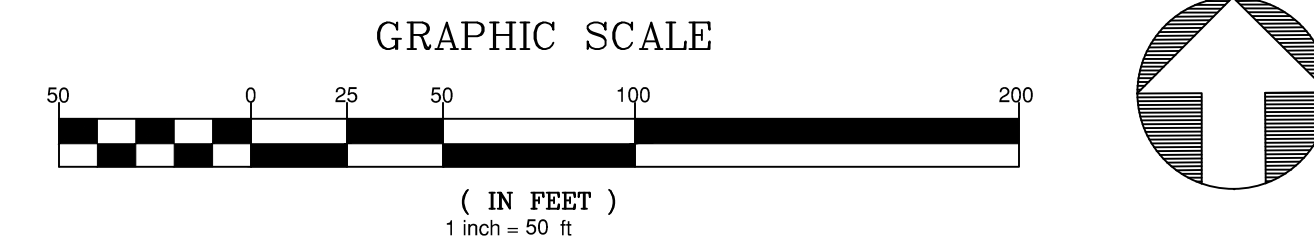
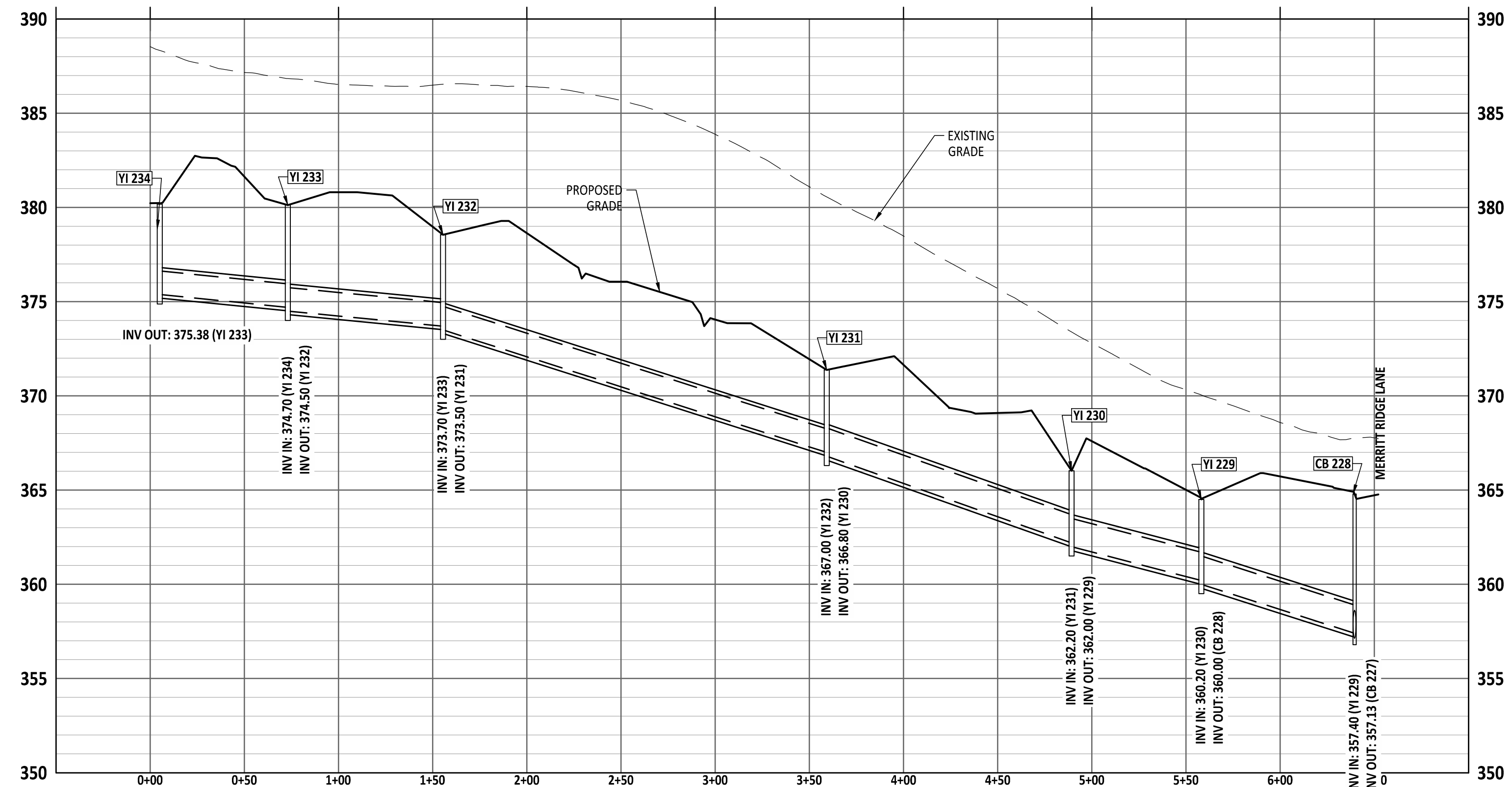
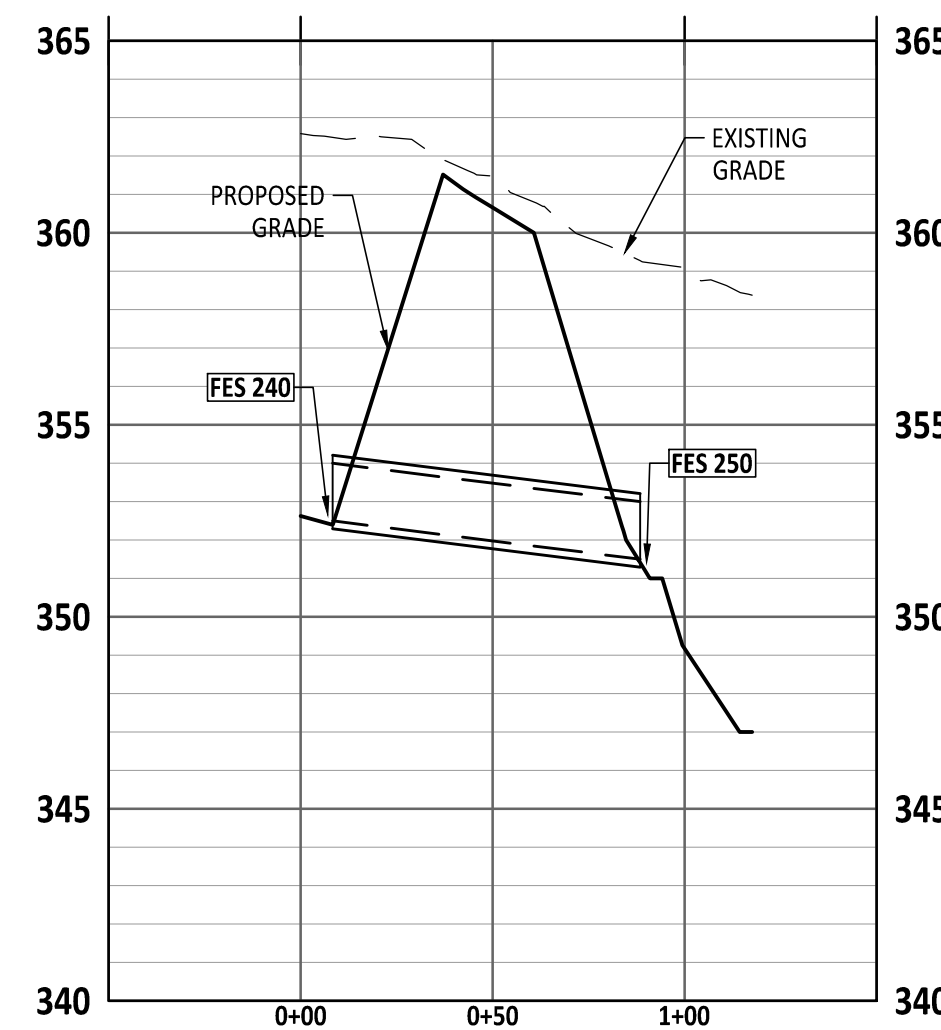
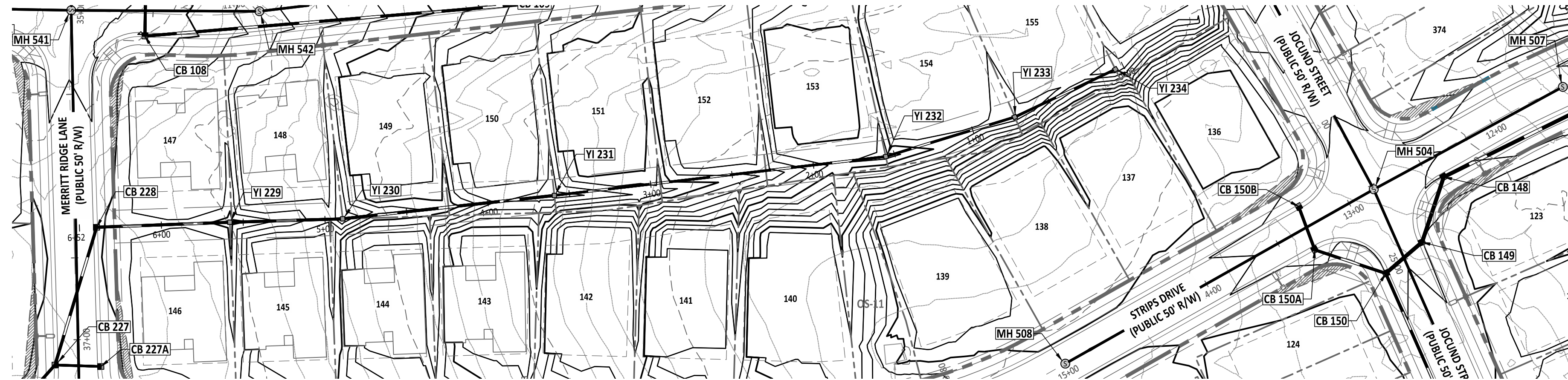
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WAKE COUNTY NC 27312

JOB NUMBER:	23-000
CHECKED BY:	B
DRAWN BY:	DH/RC/SM/GE/MA/LL/J
DATE:	05/01/202

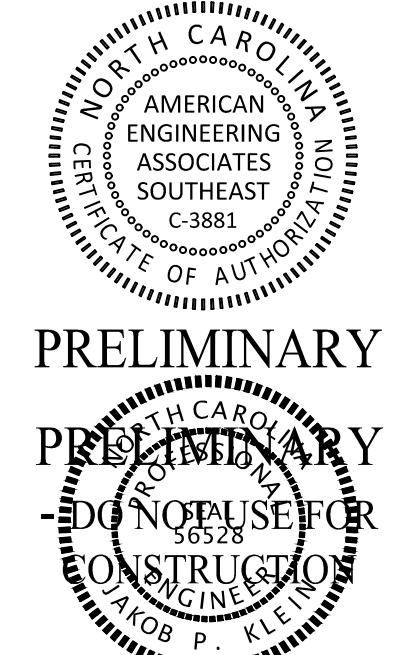
STORM OUFALL PLAN & PROFILE

SHEET NO.: **CU-300**

The logo for American Engineering Associates features a stylized graphic of three horizontal, slightly curved lines in shades of gray and black, resembling a flame or a stylized 'A'.

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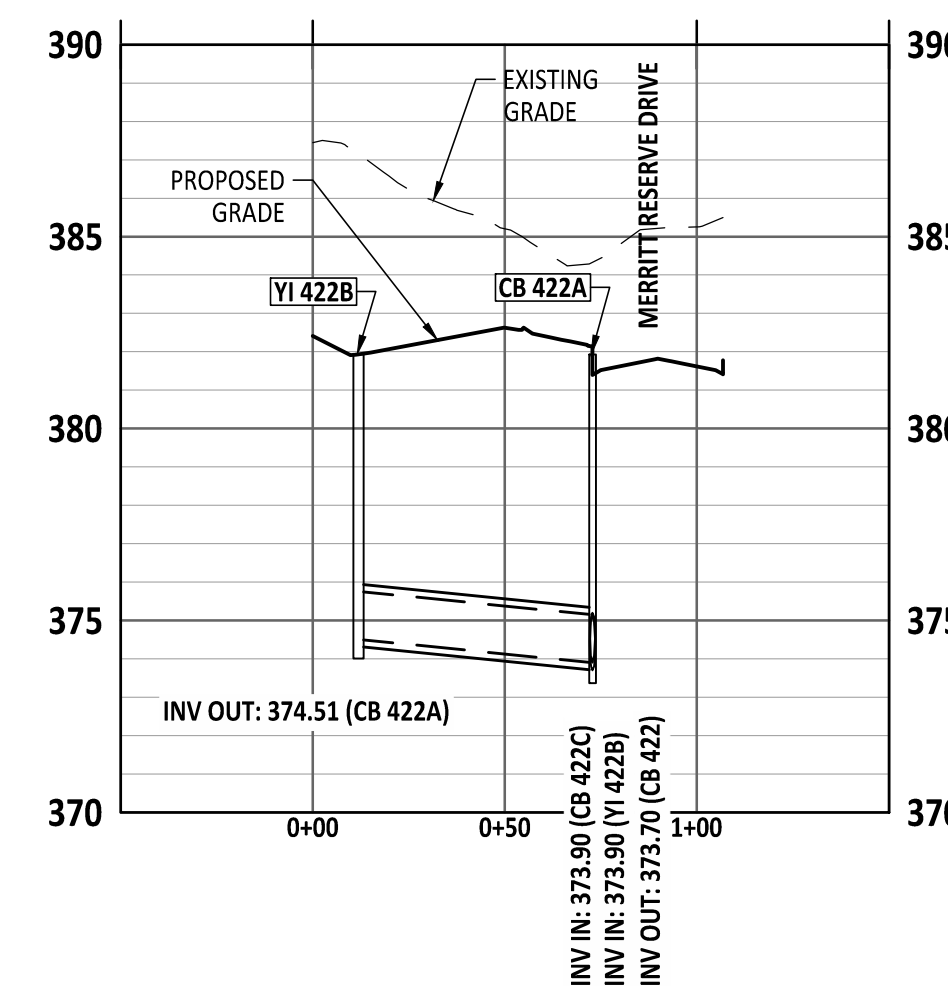
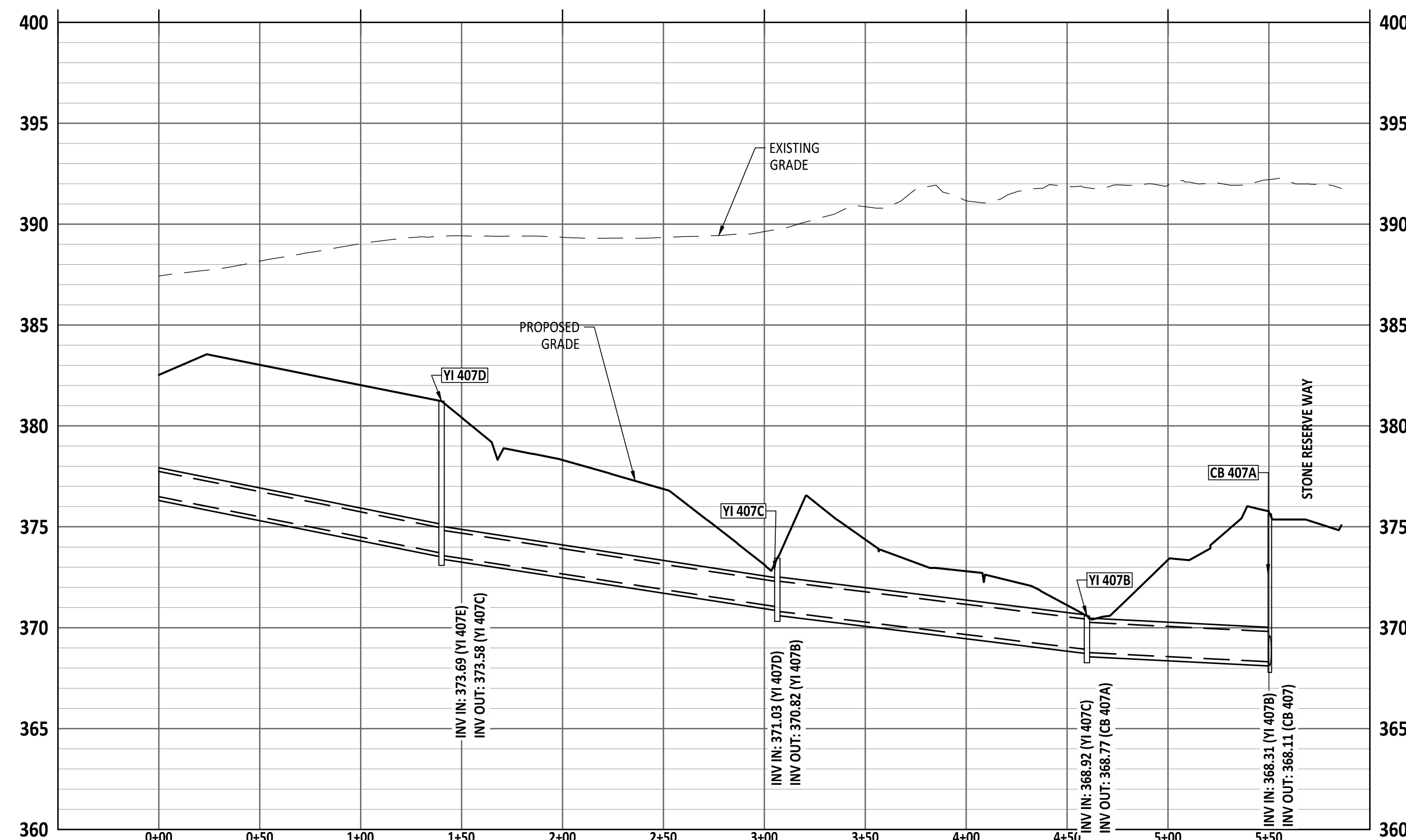
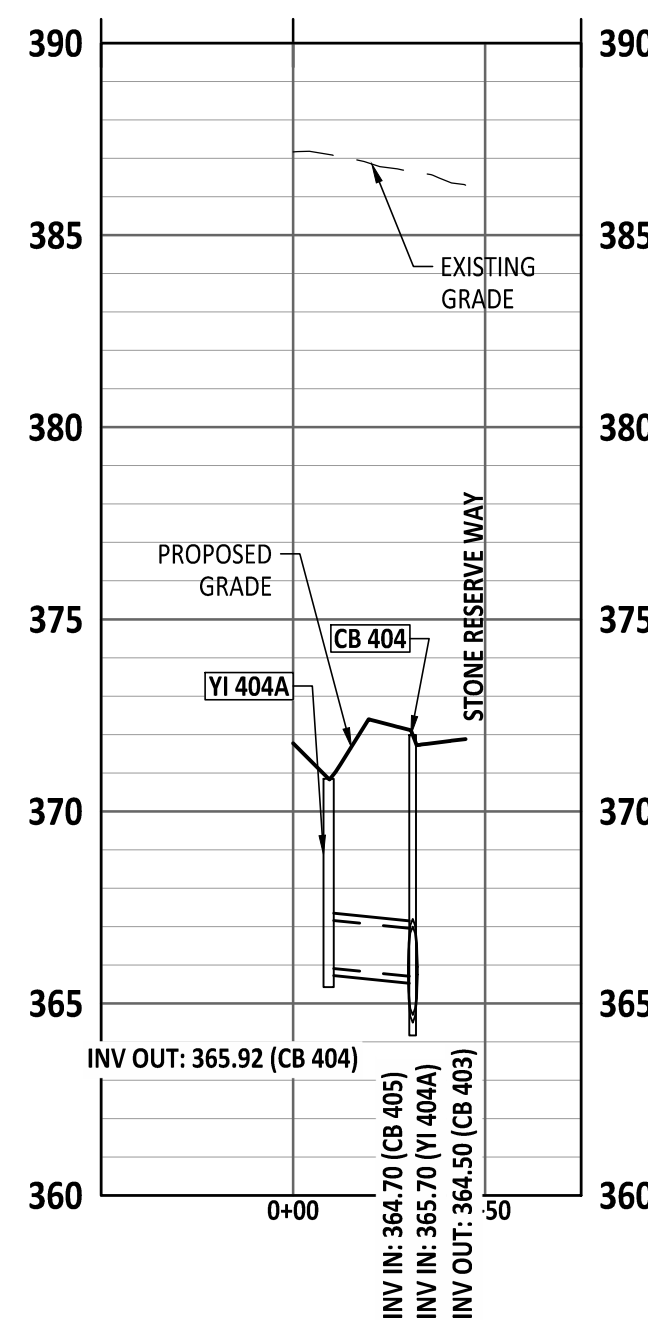
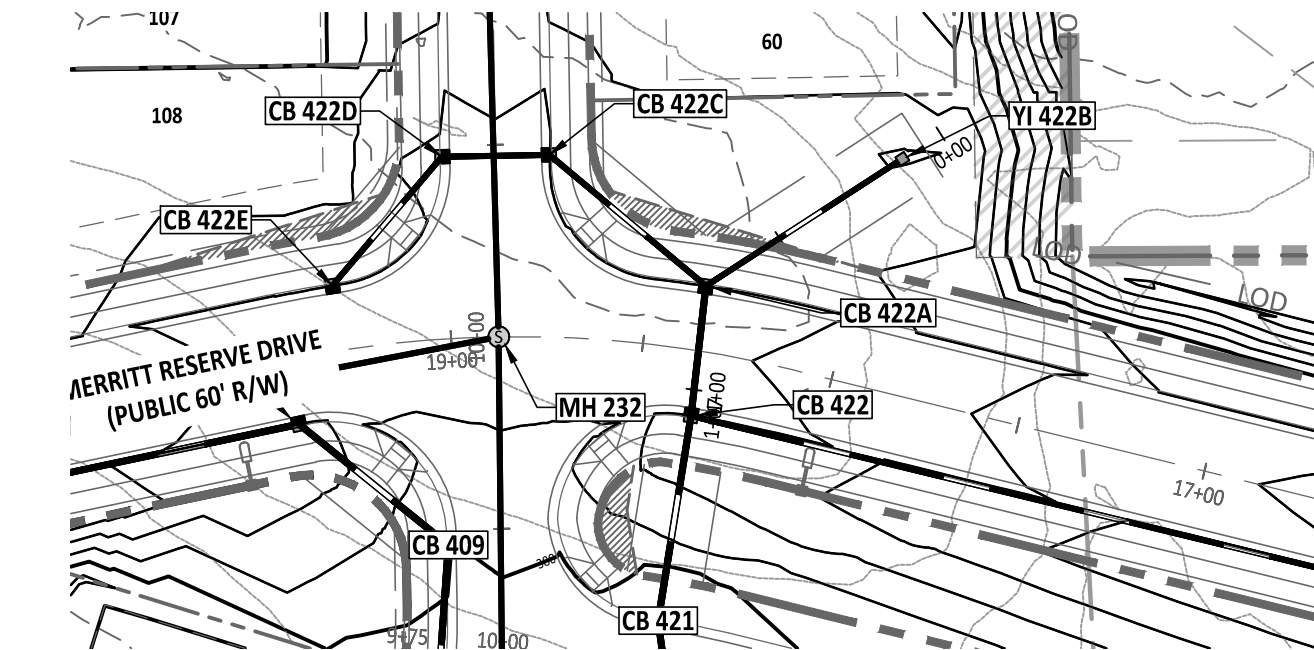
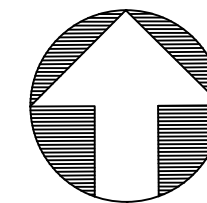
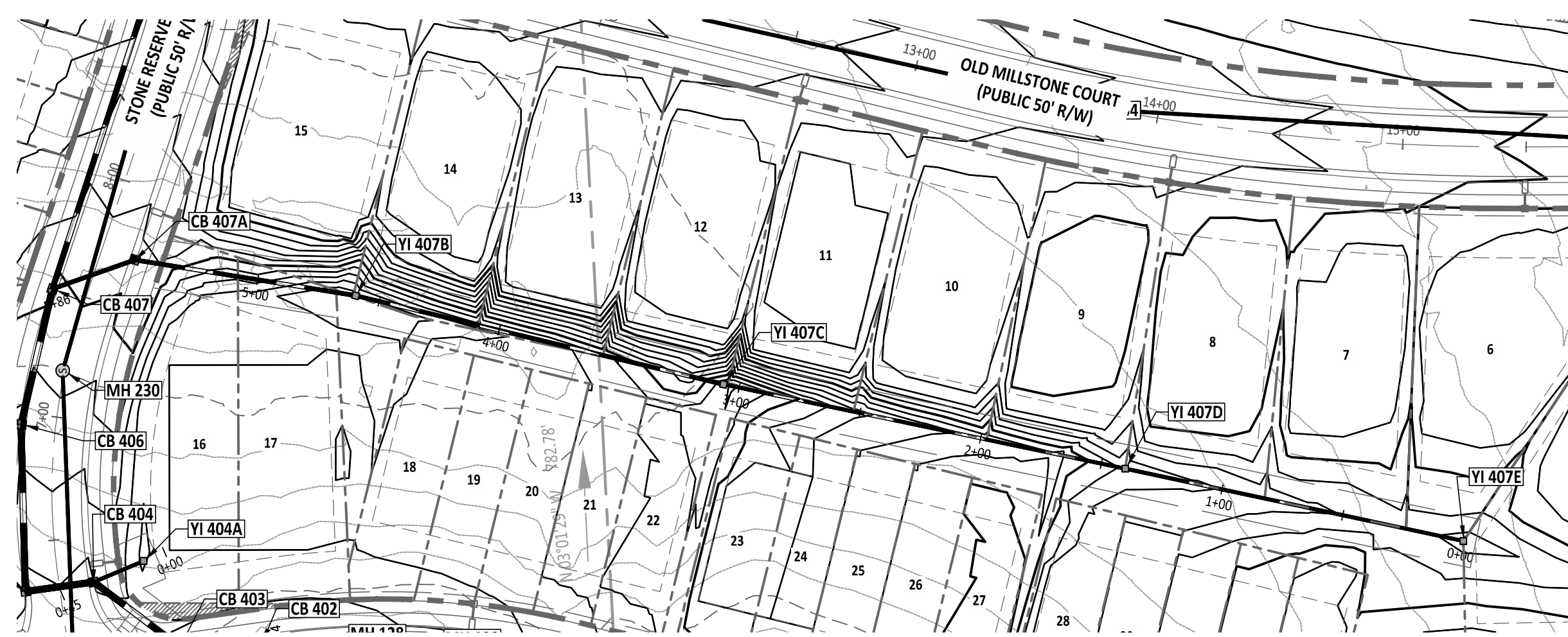
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DATE:	05/01/2025

STORM OUFALL PLAN & PROFILE

SHEET NO.: **CU-303**

North Carolina 811
www.nc.811.org
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
<http://nc811.org/remoteticketentry.htm>

PROJECT NUMBER = PSP-24-07



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www.nc811.org
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Remote Ticket Entry
<http://nc811.org/remoteticketentry.htm>

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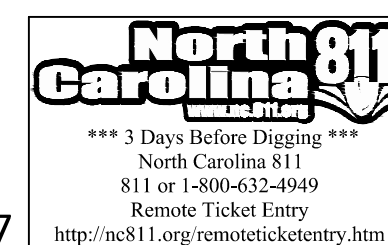
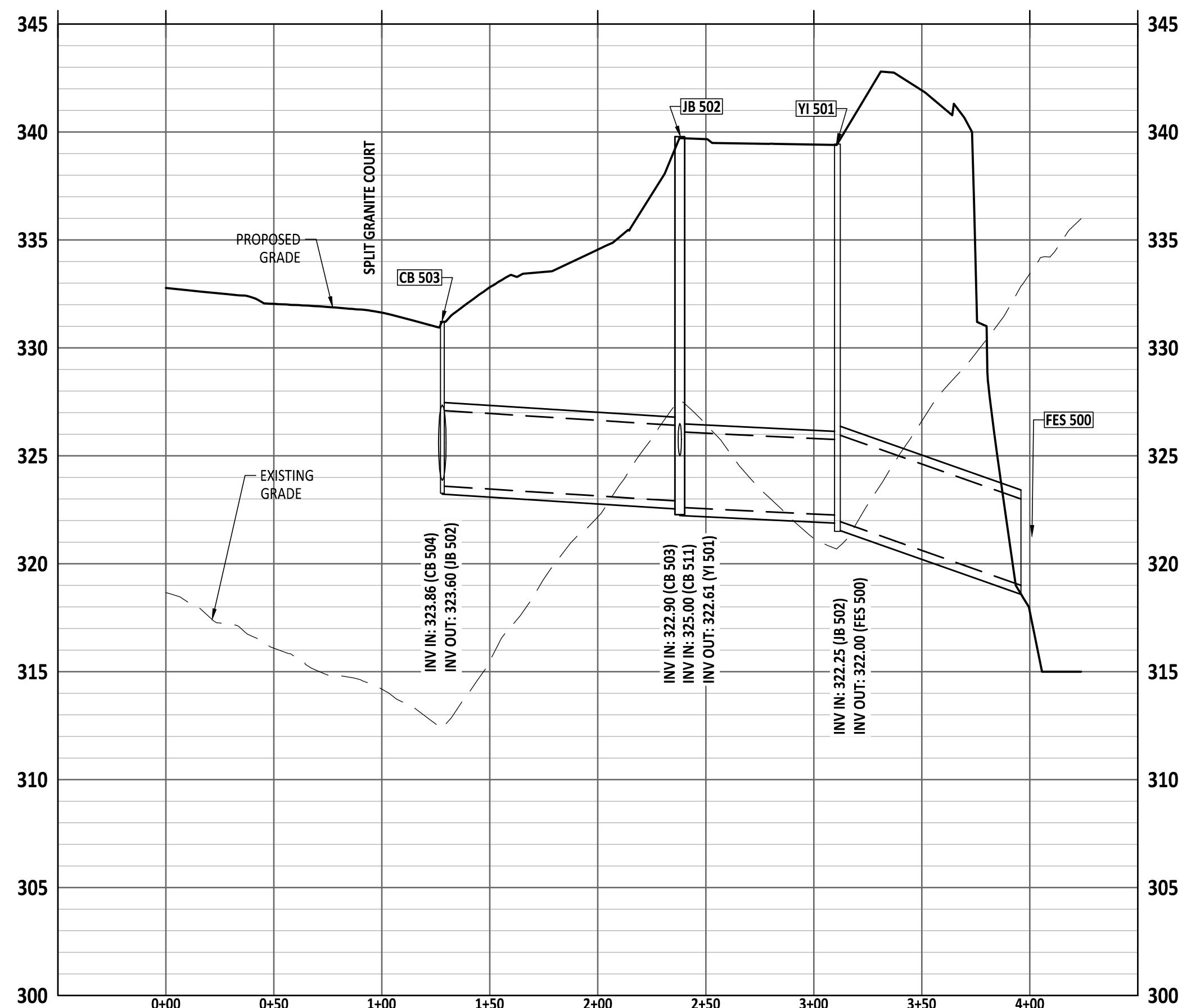
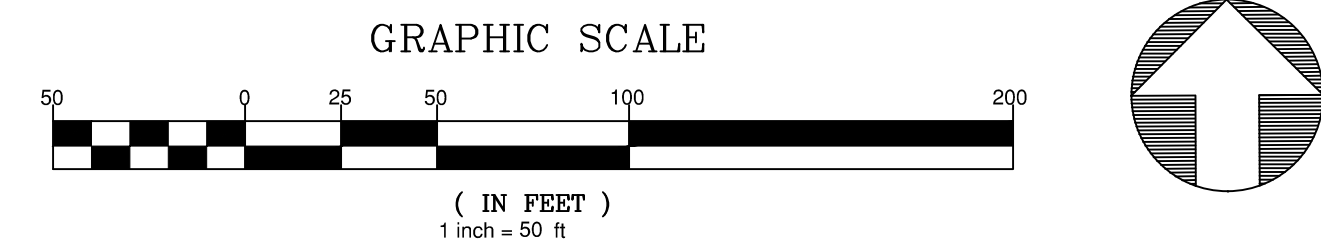
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WAKE COUNTY NC 27312

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SHEET NO.: **CU-304**



PROJECT NUMBER = PSP-24-07



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WAKE COUNTY NC 27312

JOB NUMBER: 23-0004

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DATE: 05/01/2021

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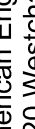
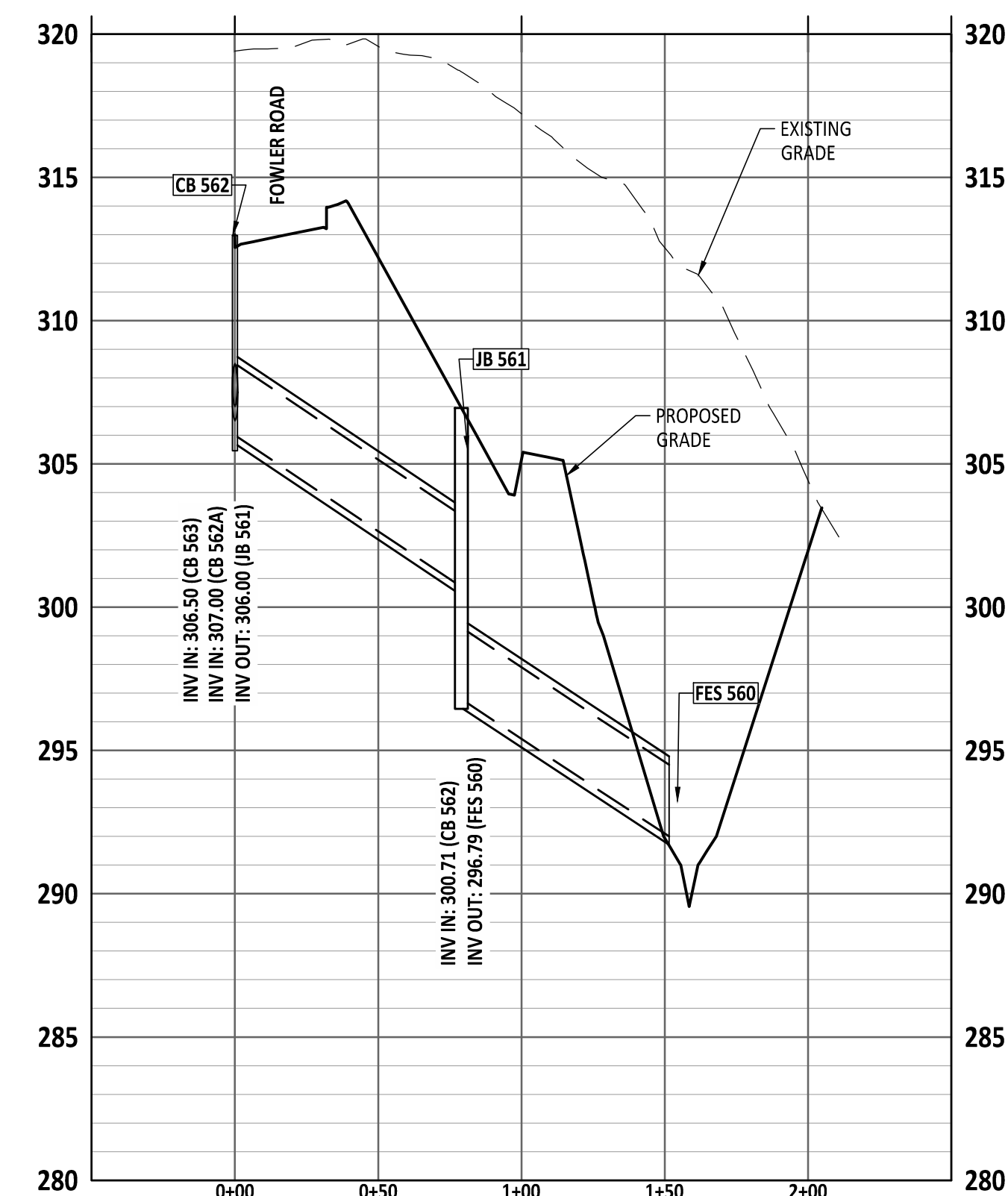
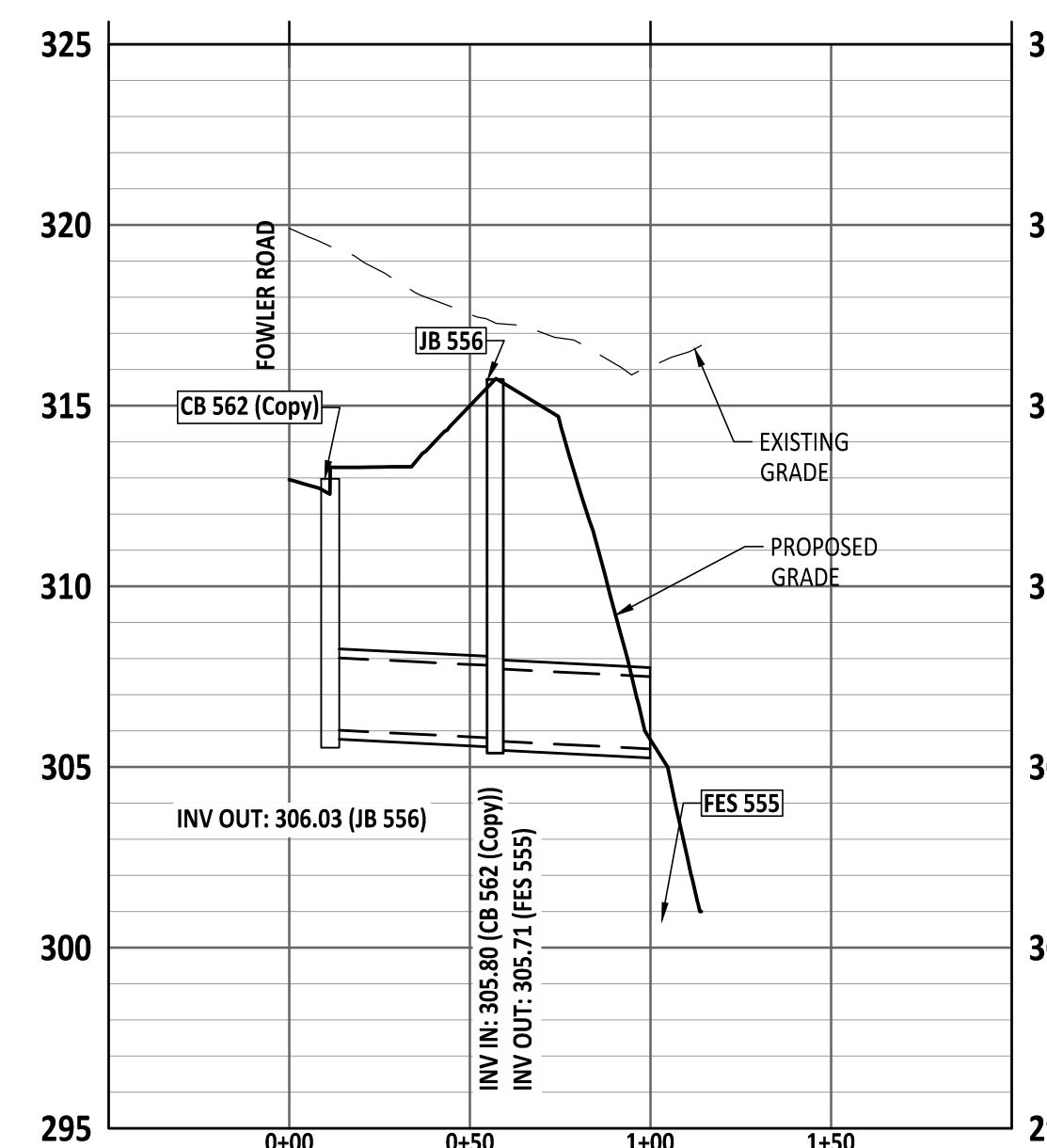
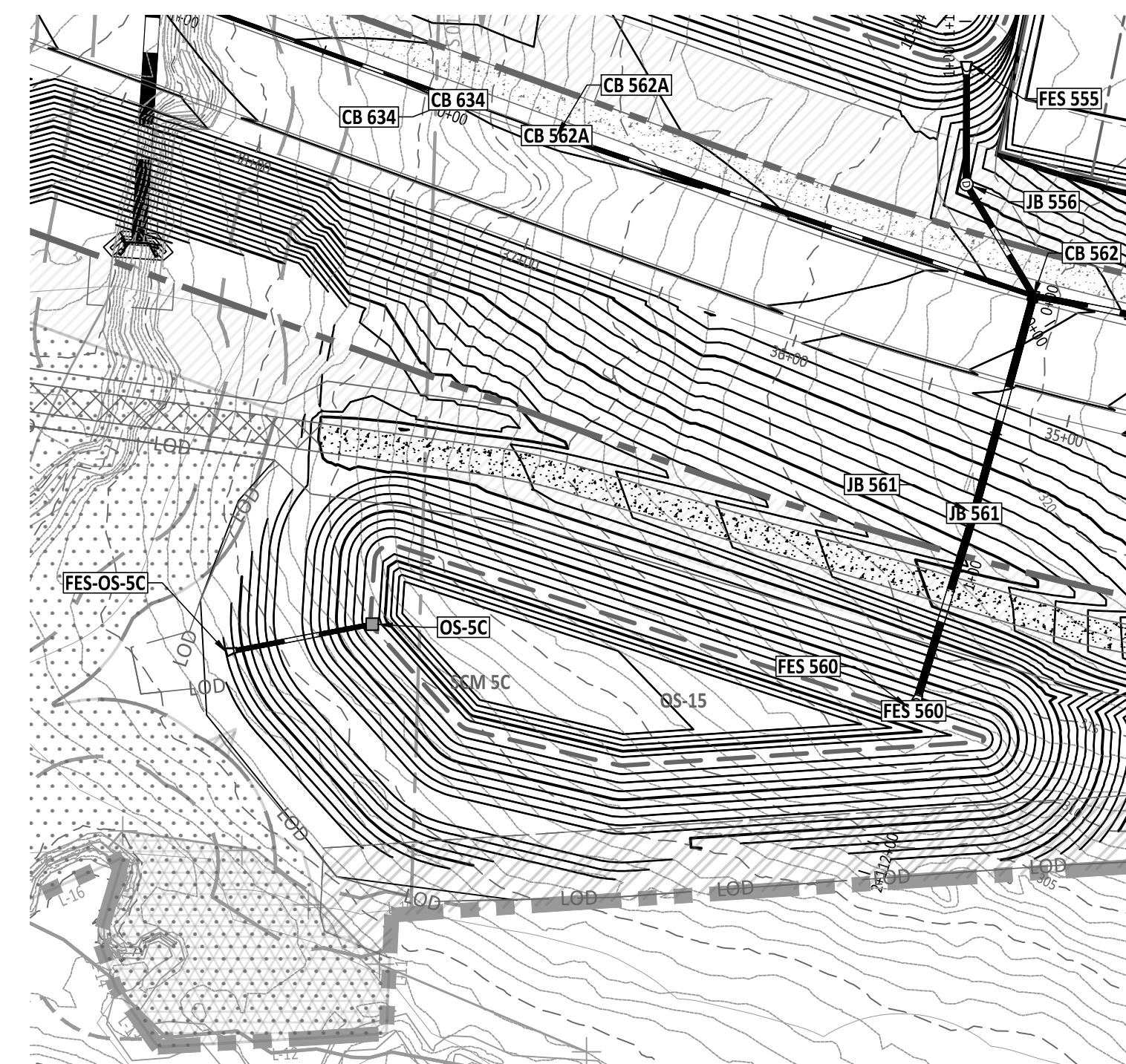
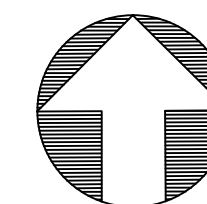
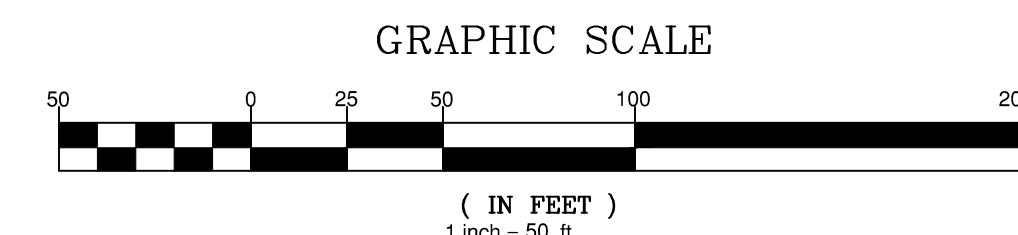
**STORM
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& PROFILE**

SHEET NO.: _____

CU-305

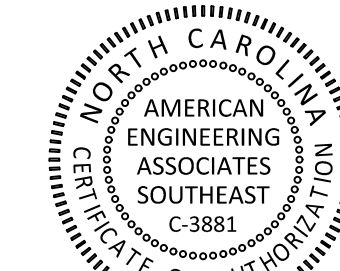
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2025-05-0



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DATE: 05/01/2018

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STORM OUFALL PLAN & PROFILE

SHEET NO.: _____

CU-30

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North Carolina 811
www.nc811.org

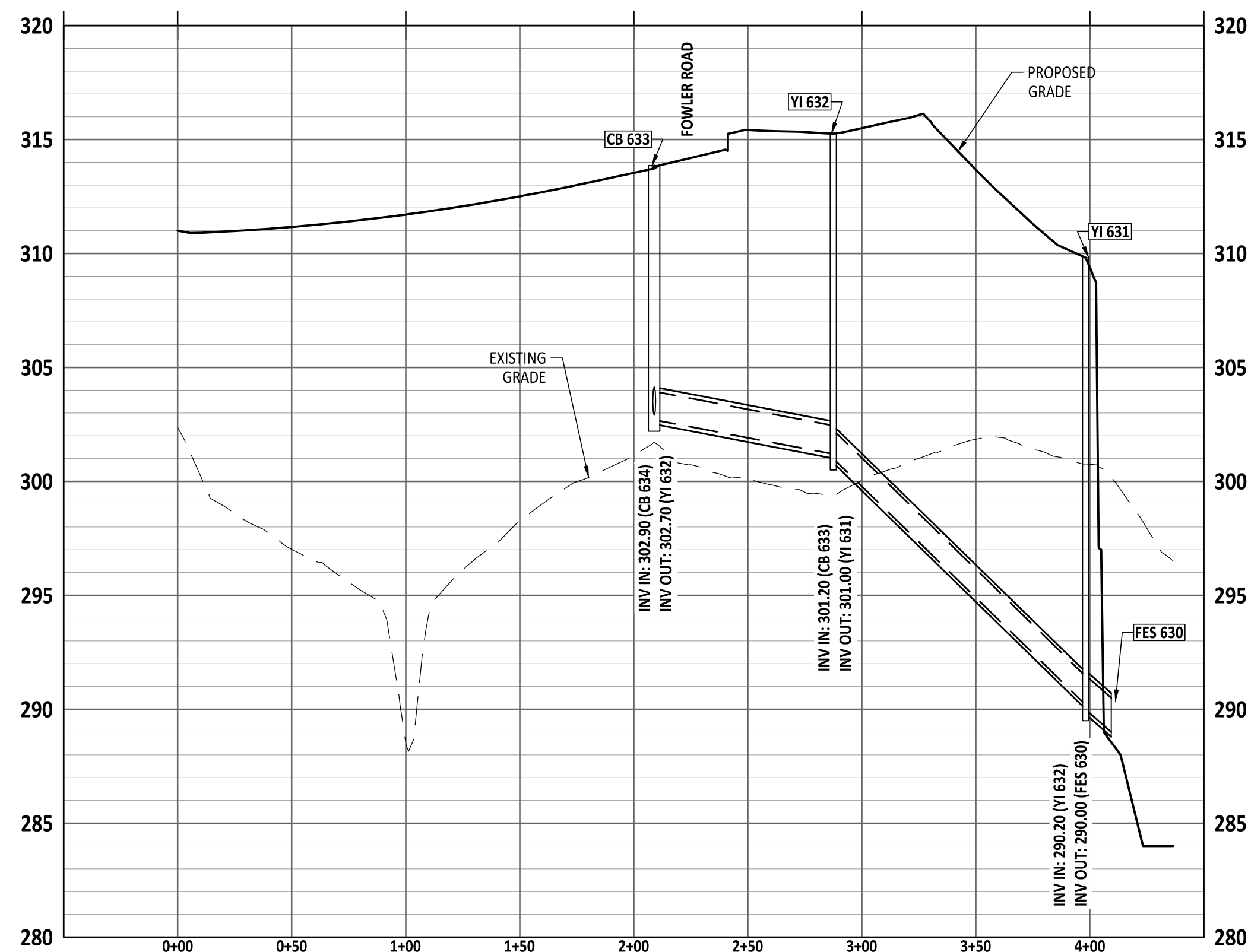
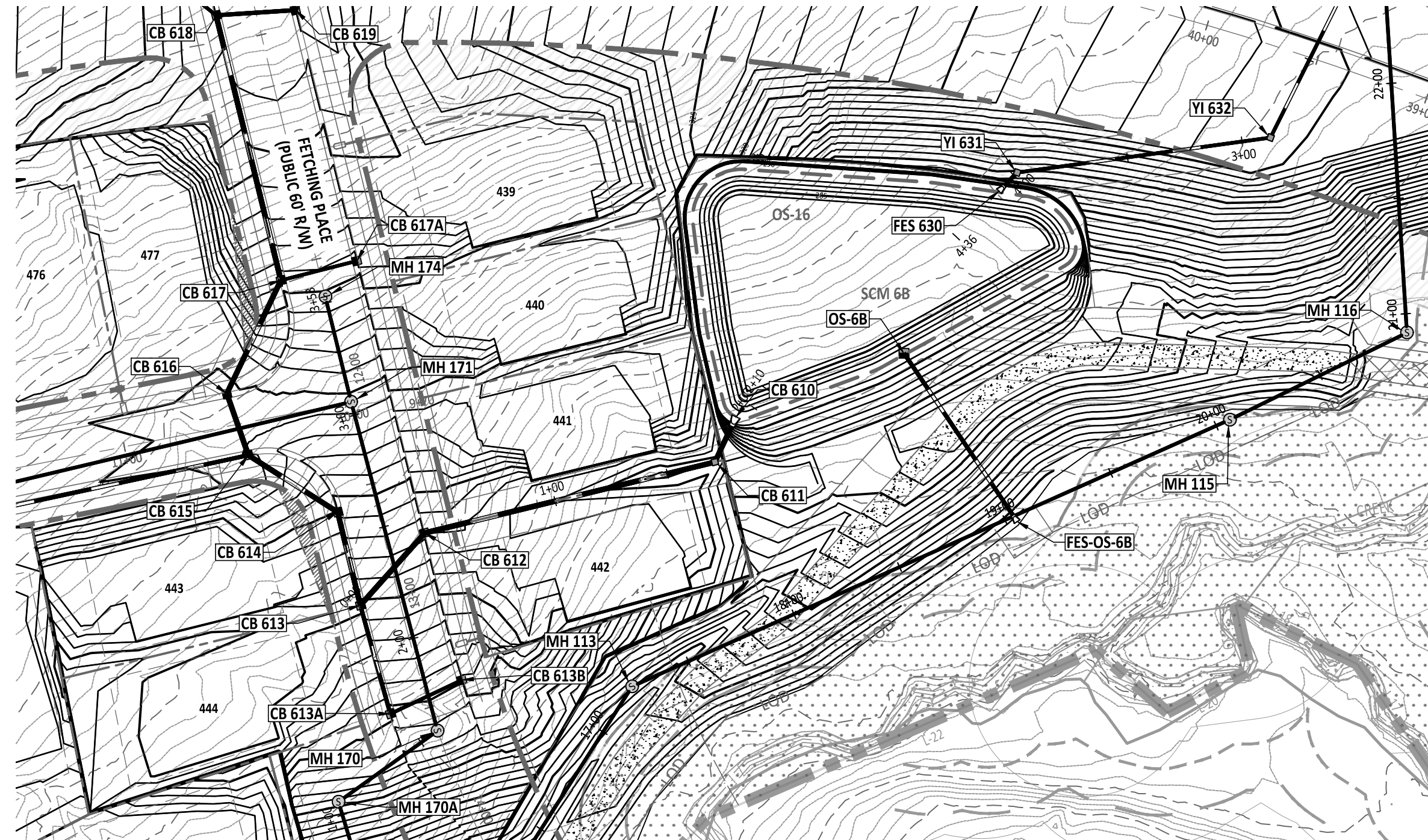
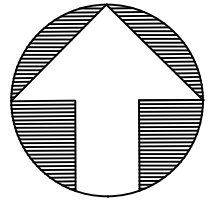
*** 3 Days Before Digging ***

North Carolina 811
811 or 1-800-632-4949

Remote Ticket Entry

<http://nc811.org/remoteticketentry.htm>

PROJECT NUMBER = PSP-24-07



North Carolina 811
www.nc.811.org
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
<http://nc811.org/remoteticketentry.htm>



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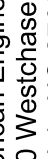
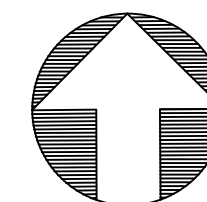
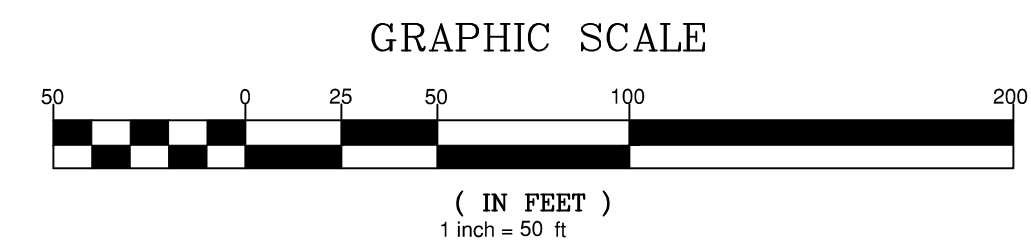
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STORM OUTFALL PLAN & PROFILE
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WAKE COUNTY NC 27312

DB NUMBER:	23-0004
CHECKED BY:	BH
DRAWN BY:	DH/RC/SM/GE/MA/LL/JB
DATE:	05/01/2025

STORM OUFALL PLAN & PROFILE

SHEET NO.:
CU-308



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Raleigh, NC 27607
919-469-1101



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MERRITT RESERVE
STORM OUTFALL PLAN & PROFILE
ROLESVILLE RD
WAKE COUNTY NC 27312

JOB NUMBER: 23-0004

CHECKED BY: BH

DRAWN BY: DH/BC/SM/GE/MA/II/IR

DATE: 05/01/2025

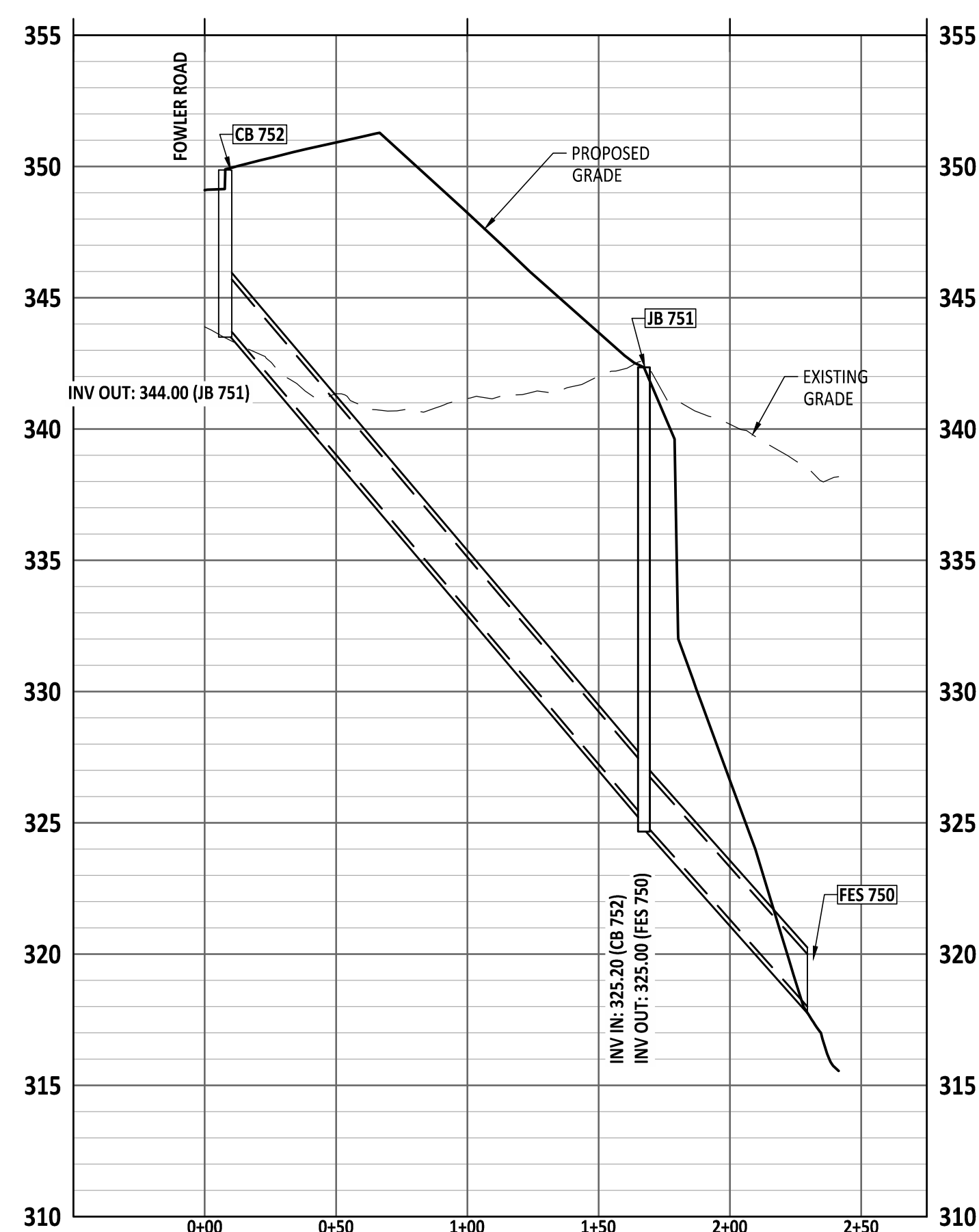
SHEET TITLE:

SHEET TITLE:

STORM OUFALL PLAN & PROFILE

SHEET NO.: _____

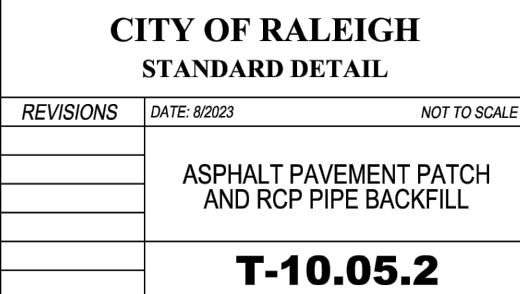
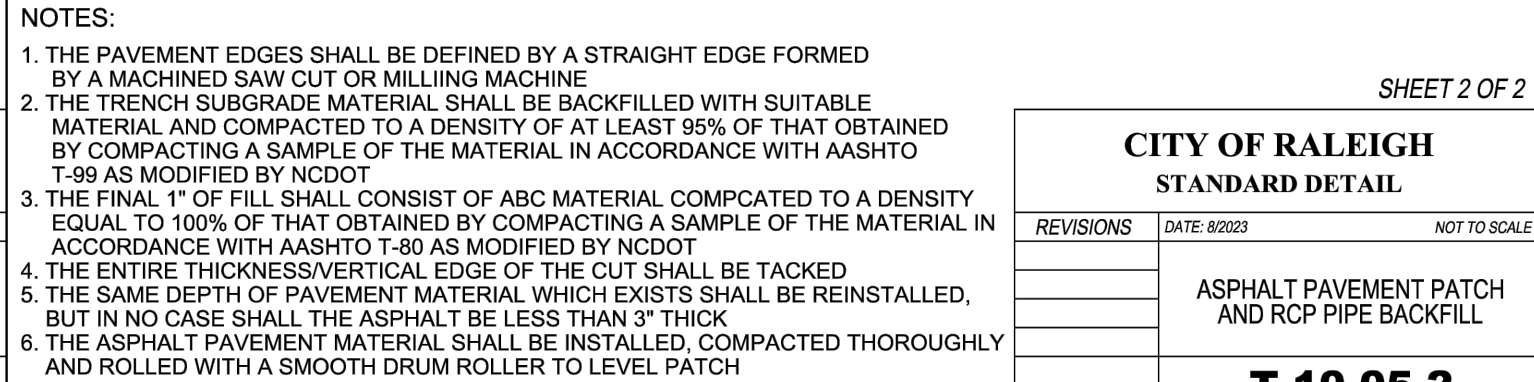
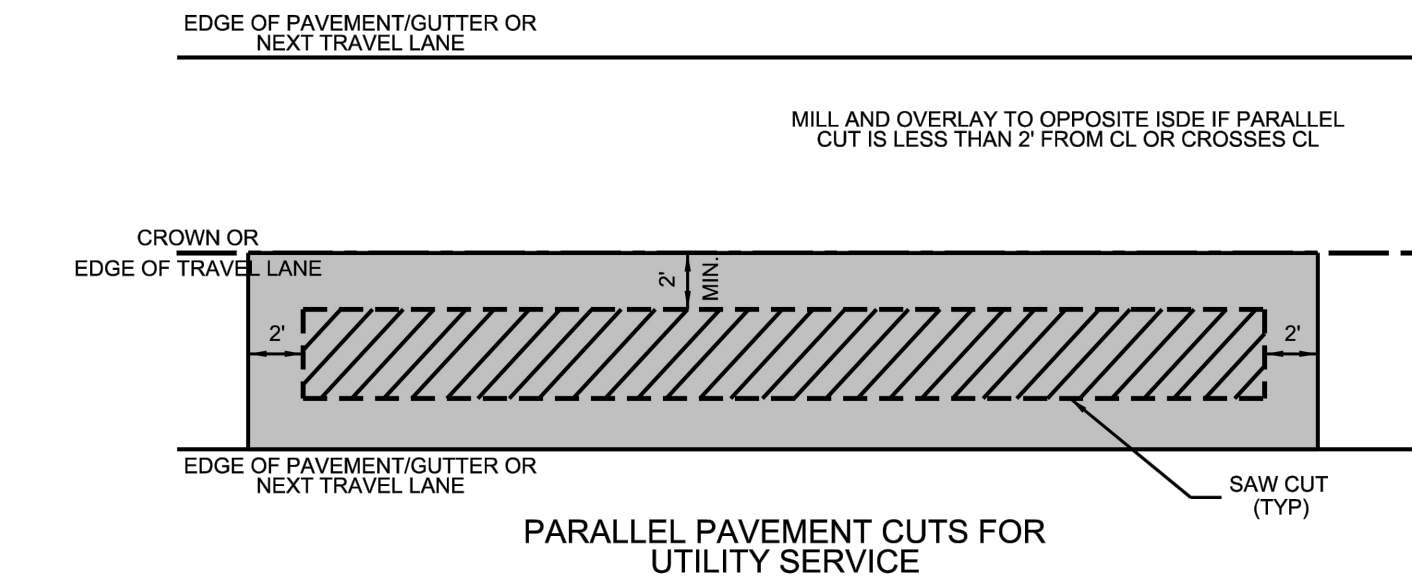
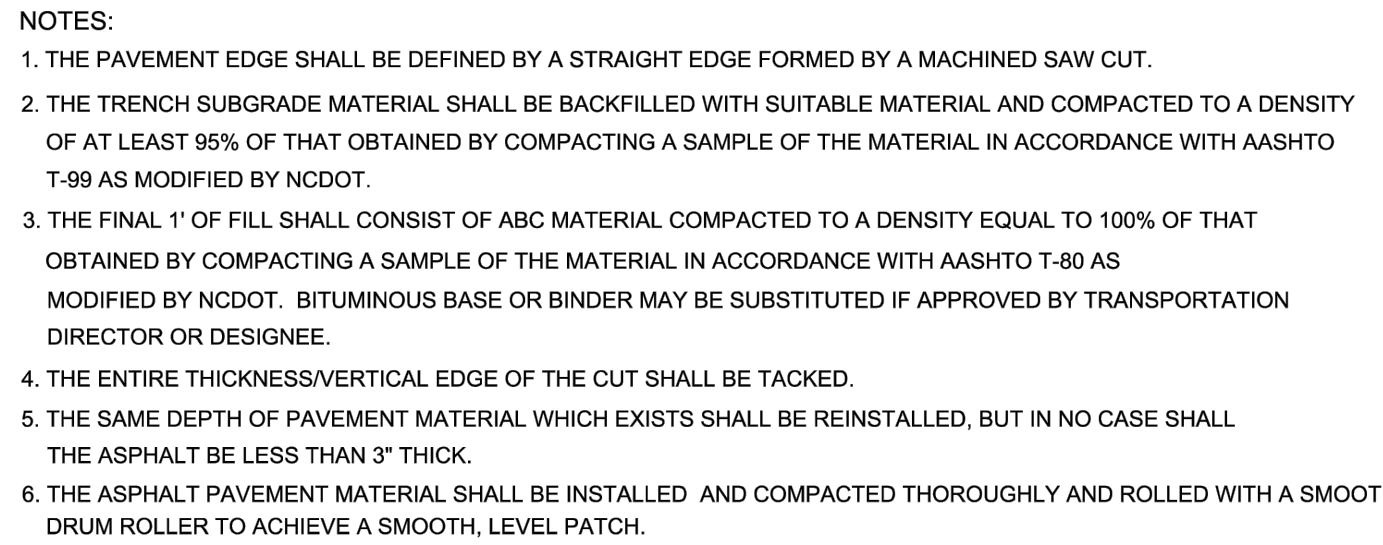
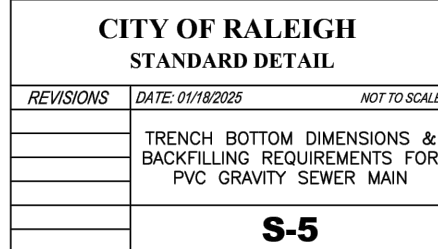
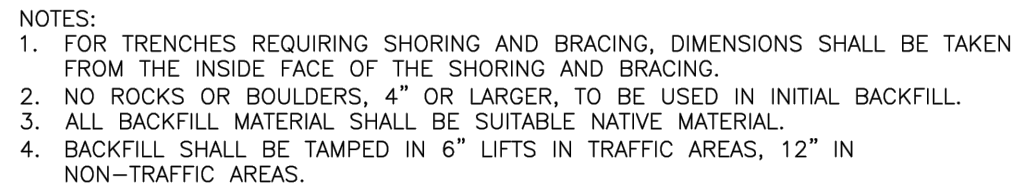
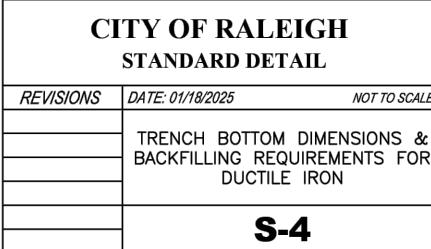
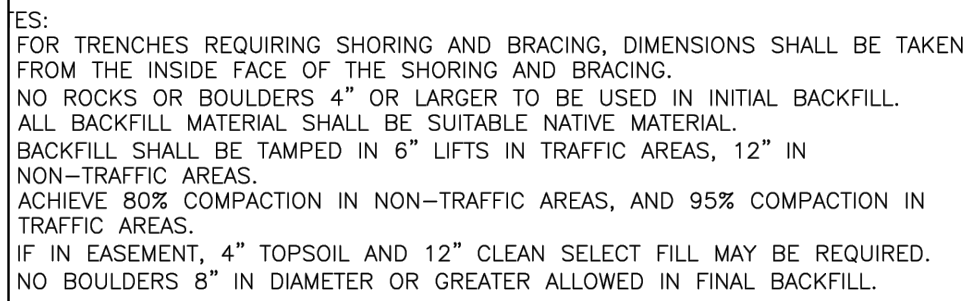
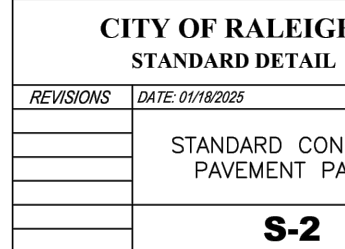
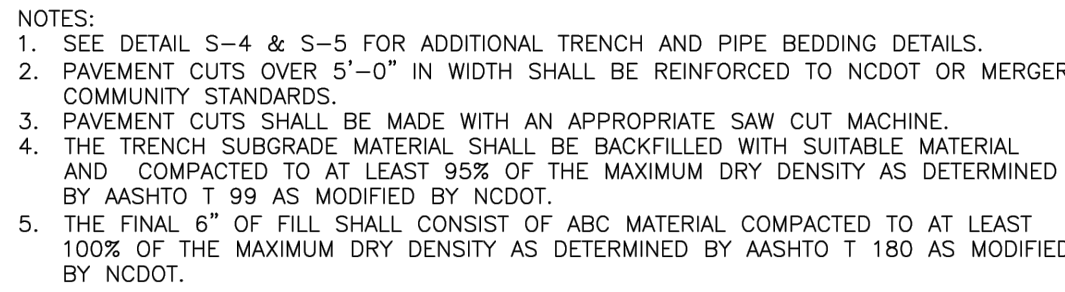
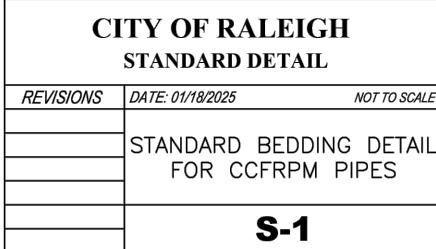
CU-309



North Carolina 811
www.nc.811.org

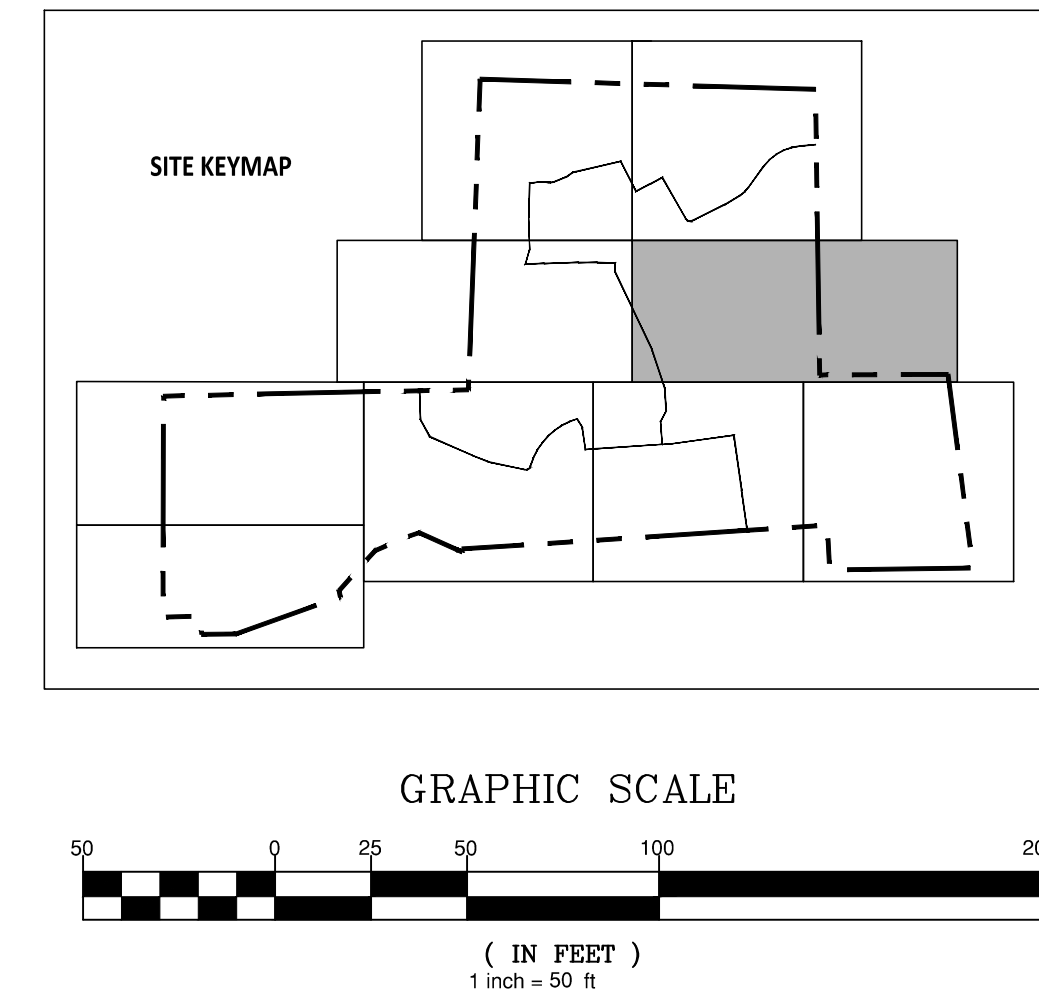
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
<http://nc811.org/remoteticketentry.htm>

PROJECT NUMBER = PSP-24-07



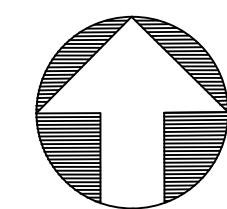


N/F
OPTIMAL DEVELOPMENT, LLC
D.B. 18224 PAGE 1209
B.M. 1985 PAGE 1807
PIN# 1768.03-33-7689
LAND USE: VACANT
ZONING: RL



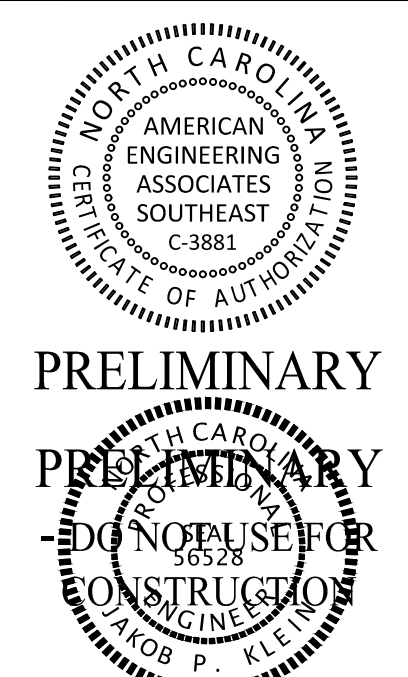
GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft



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MERRITT RESERVE
GRADING AND DRAINAGE
ROLESVILLE RD
WAKE COUNTY NC 27312

JOB NUMBER:	23-0004
CHECKED BY:	BH
DRAWN BY:	DH/RC/SM/GE/MA/LL/JB
DATE:	05/01/2025
SHEET TITLE:	

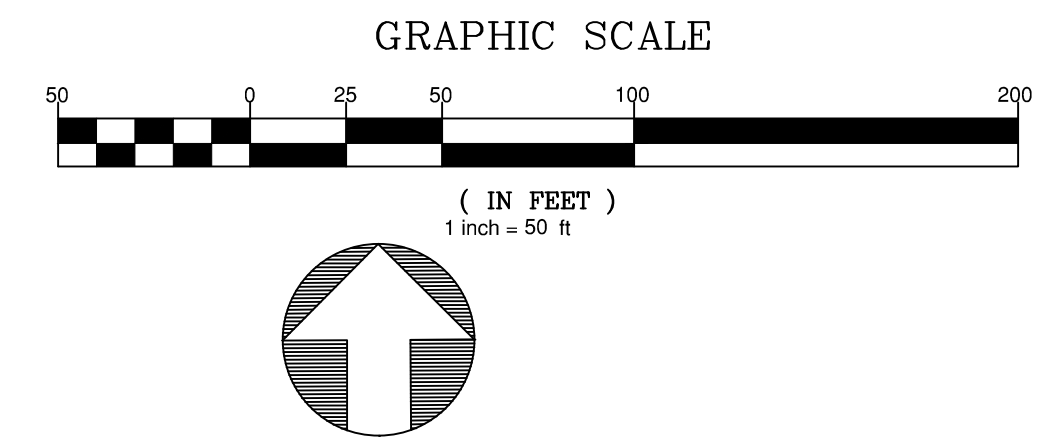
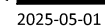
GRADING AND DRAINAGE

SHEET NO.: **CG-102**



PROJECT NUMBER = PSP-24-07

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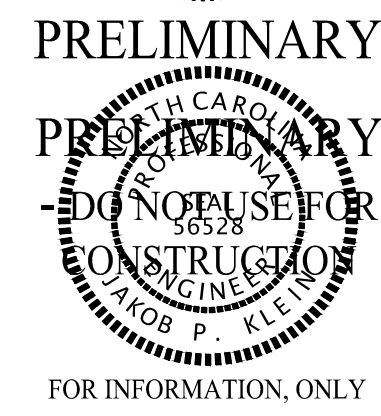
North 811
Carolina
www.nc811.org

*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
<http://nc811.org/remoteticketentry.htm>



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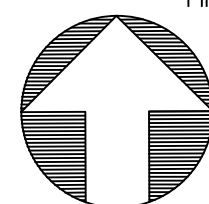
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JOB NUMBER:	23-0004
CHECKED BY:	BH
DRAWN BY:	DH/RC/SM/GE/MA/LL/JB
DATE:	05/01/2025

SHEET NO.: **CG-103**

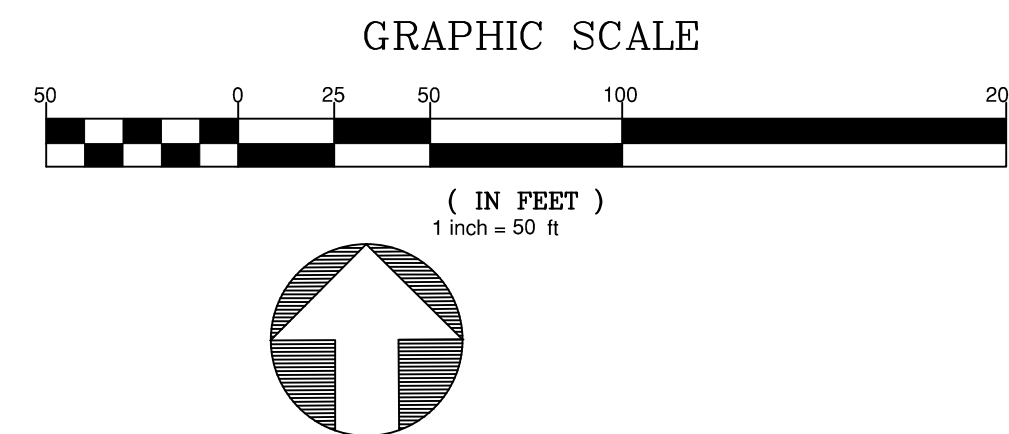


SEE SHEET CG-106



PROJECT NUMBER = PSP-24-07

SHEET NO.: **CG-105**



PROJECT NUMBER = PSP-24-07

North Carolina 811
www.nc811.org
*** 3 Days Before Digging ***
North Carolina 811
811 or 1-800-632-4949
Remote Ticket Entry
<http://nc811.org/remoteticketentry.h>

SHEET NO.: **CG-107**

MERRITT RESERVE
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ROLESVILLE RD
WAKE COUNTY NC 27312

JOB NUMBER:	23-0004
CHECKED BY:	BI
DRAWN BY:	DH/RC/SM/GE/MA/LL/JH
DATE:	05/01/2023
SHEET TITLE:	

GRADING AND DRAINAGE

SHEET NO.: **CG-107**

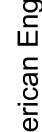
STIPULATION FOR REUSE

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Nº	DATE	REVISION:
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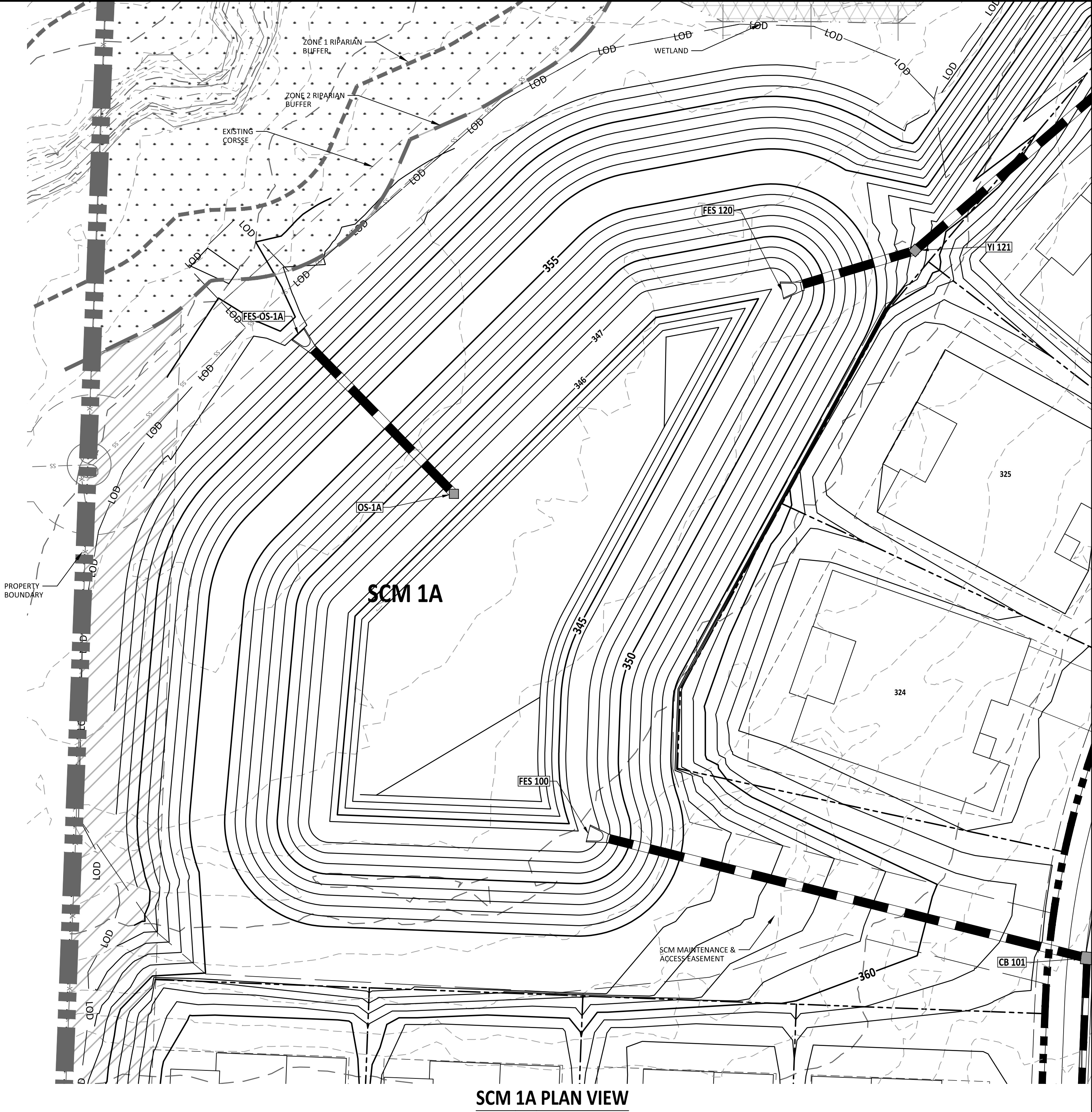
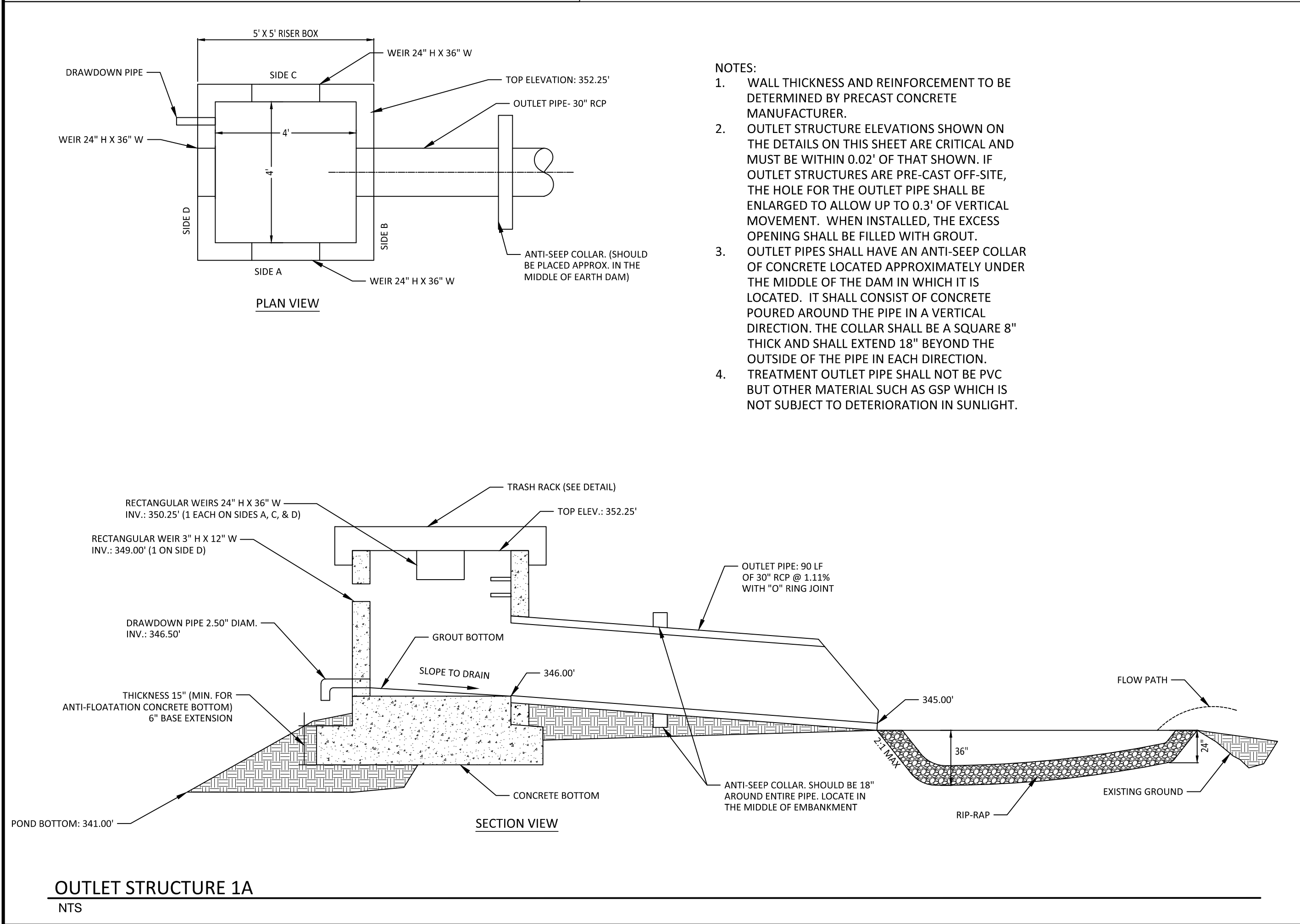
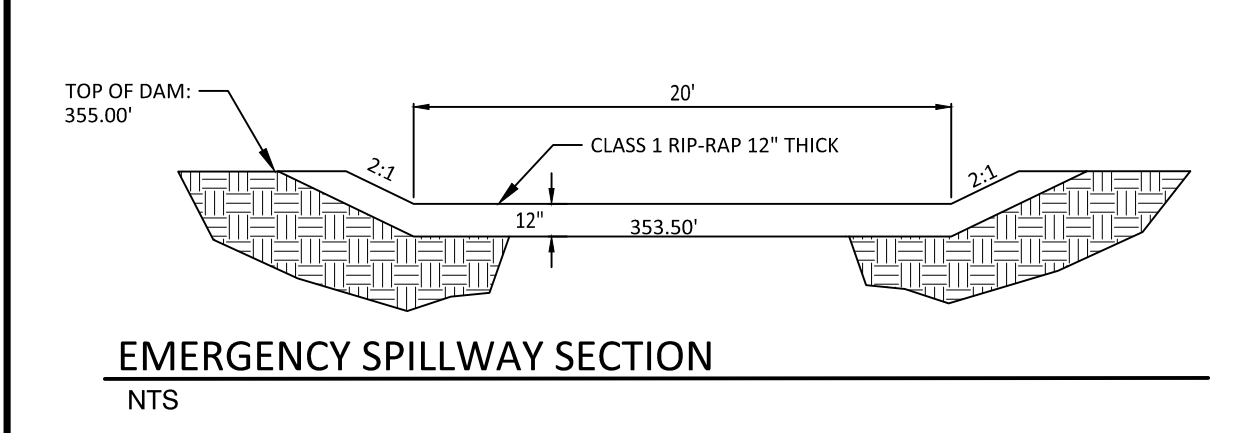
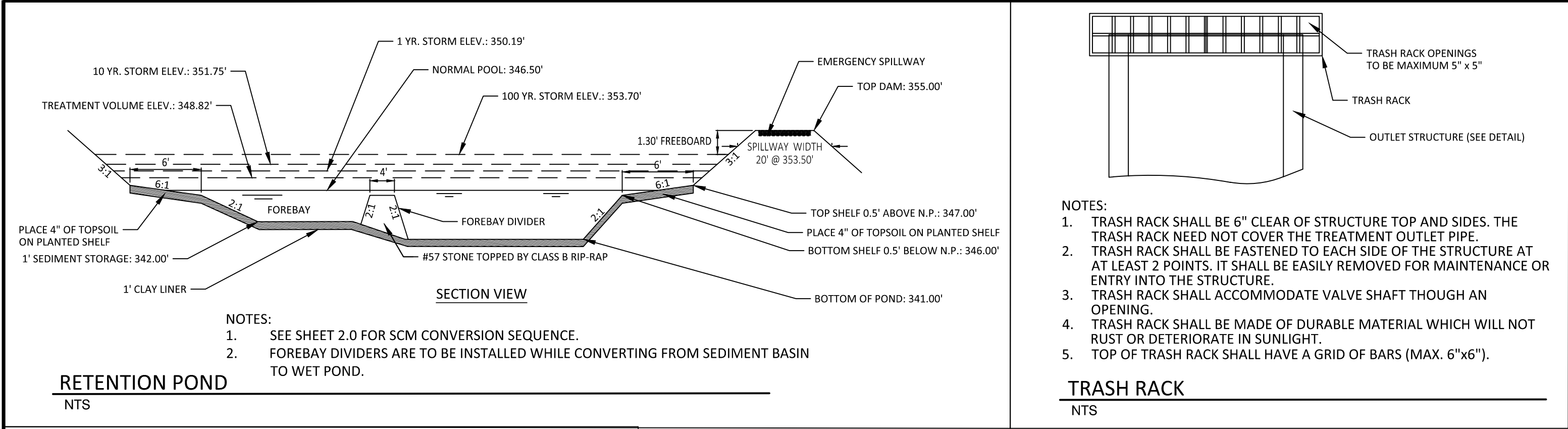
PRELIMINARY
NORTH CAROLINA
PRELIMINARY
-DO NOT USE FOR
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CONSTRUCTION

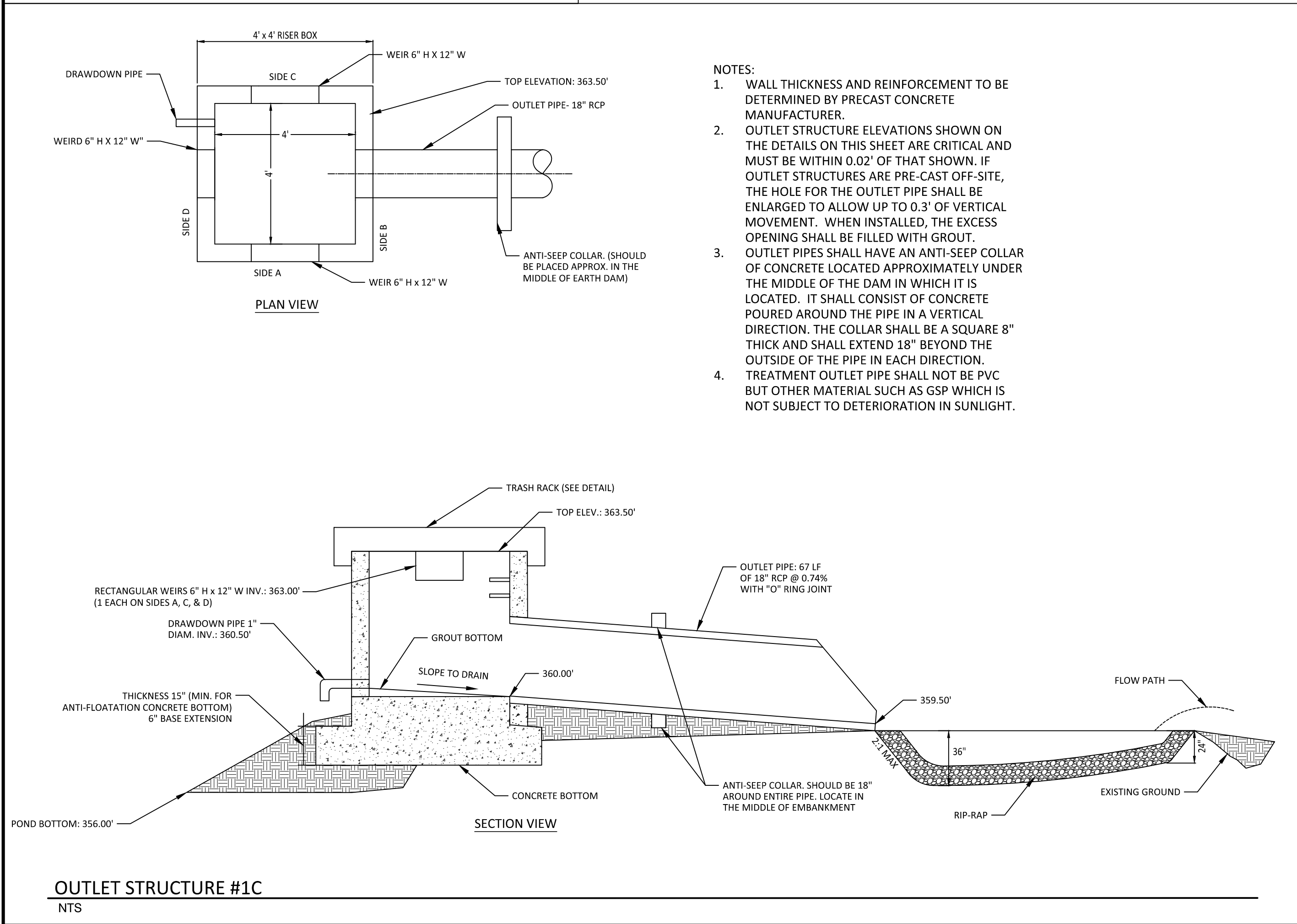
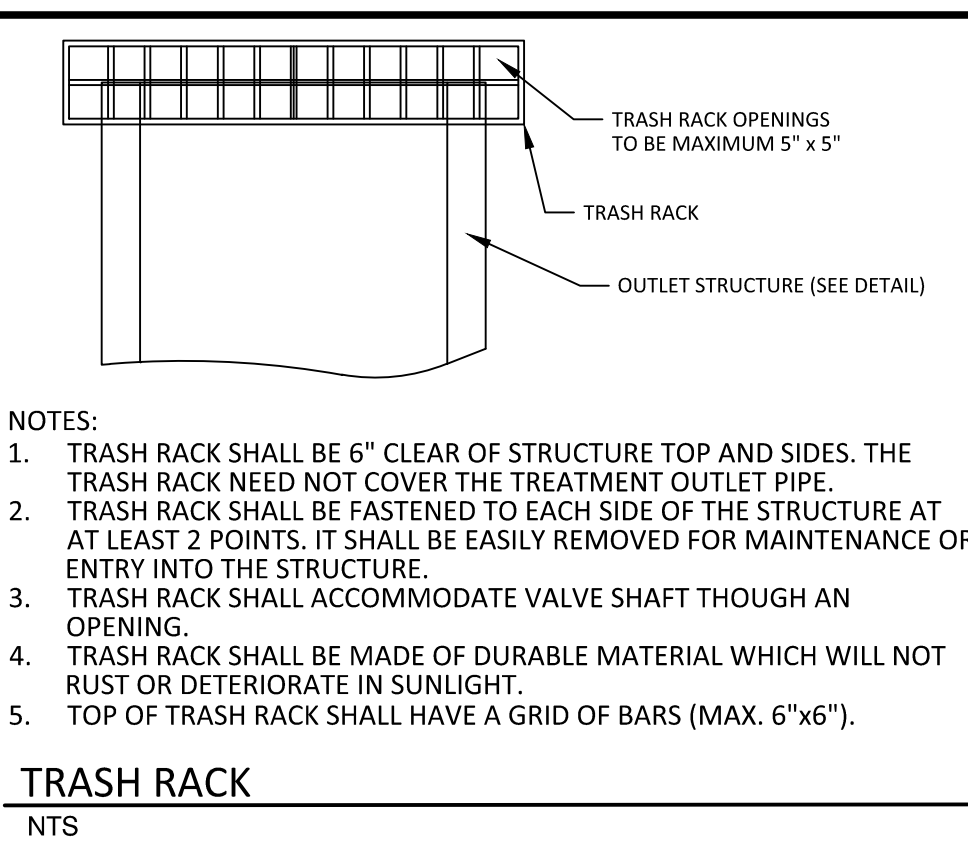


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Z:\shh\23-0004 Merritt Property\8807.dwg, Working Draw Sheet Construction Set\US, CG-401 SCM 1A-2 Detail.dwg
23-05-01



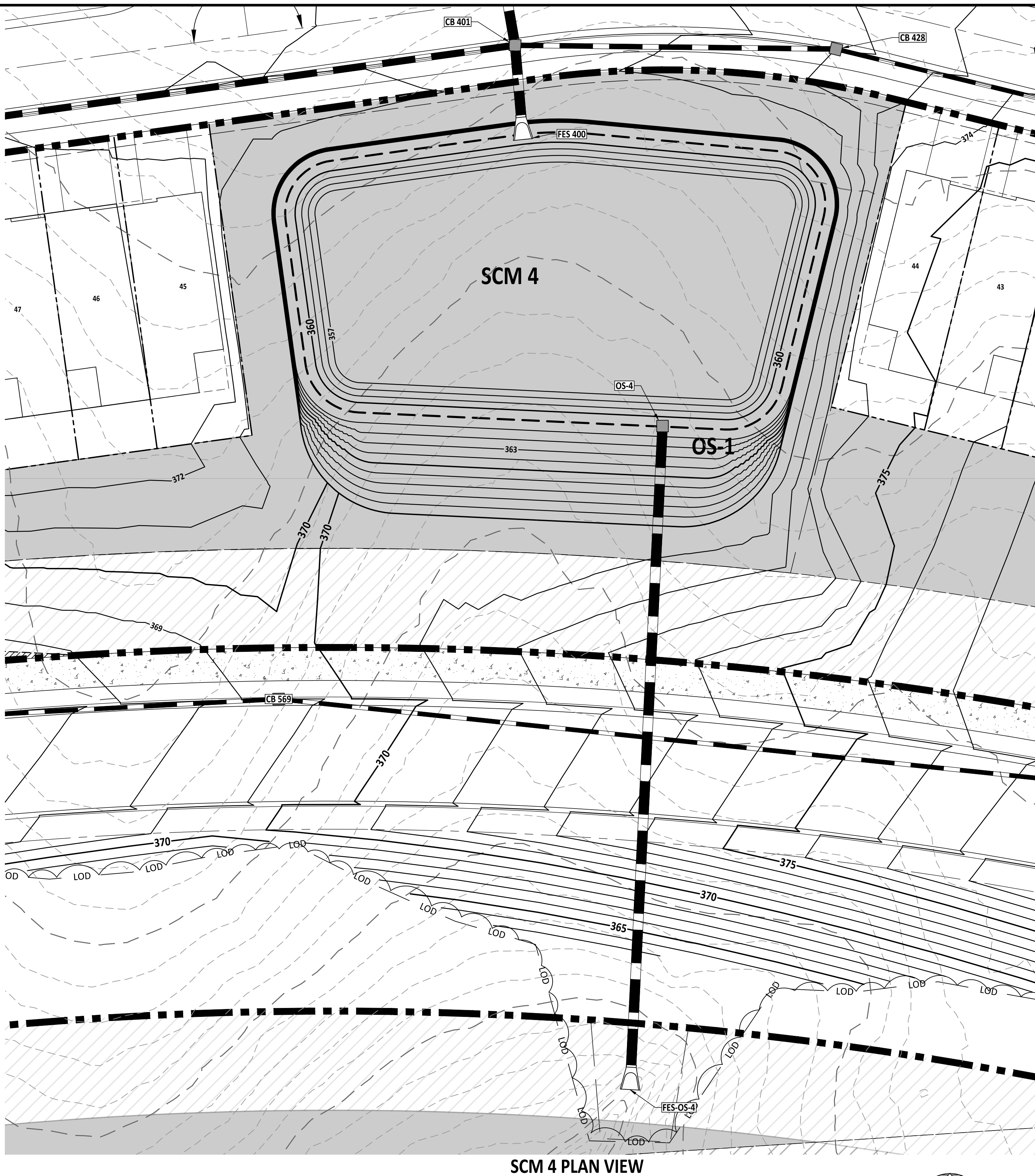
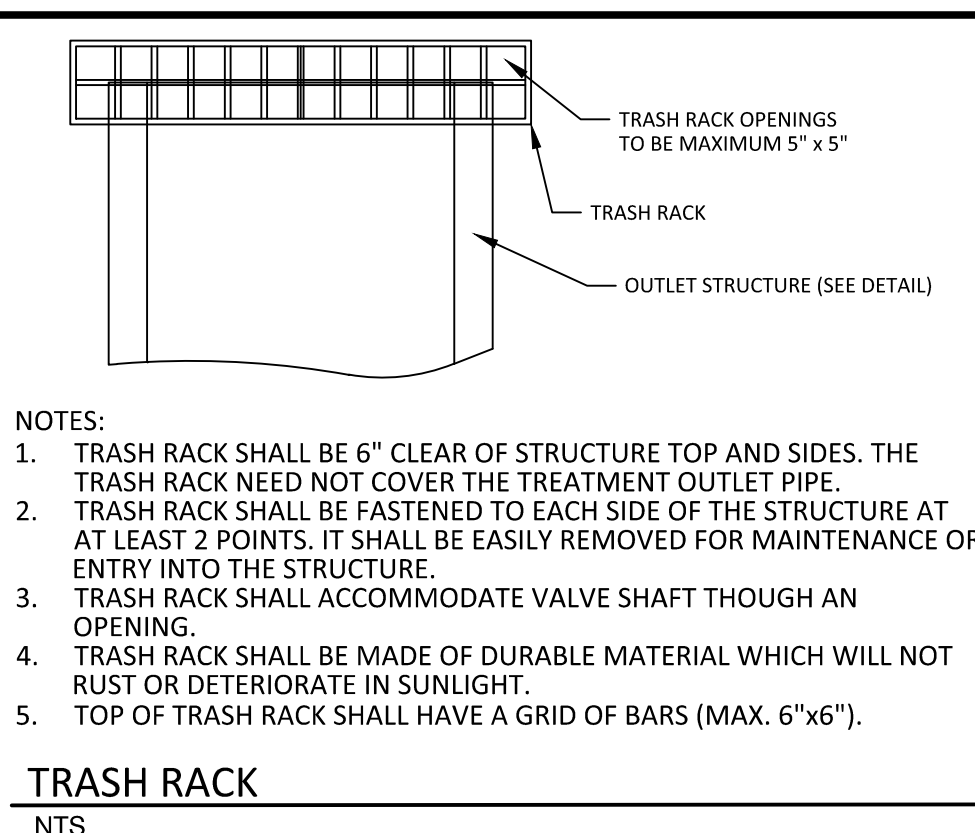


PLANT LIST VEGETATED SHELF PLANT SCHEDULE:			
VEGETATED SHELF (HERB.)			
EF	EUPATORIUM FISTULOSUM	JOE PYE WEED	4-6" POT @ 3' SPACING
HC	HIBISCUS COCCINEA	SCARLET ROSE MALLOW	4-6" POT @ 3' SPACING
CG	CHELONE GLABRA	WHITE TURTLEHEAD	4-6" POT @ 3' SPACING
LC	LOBELIA CARDINALIS	CARDINAL FLOWER	4-6" POT @ 3' SPACING

LANDSCAPE PLAN:
VEGETATED SHELF= 3172 sf (USE 793 PLANTS FROM LIST ABOVE)
USE EQUAL NUMBER OF PLANTS FROM LIST ABOVE

CALCULATION: 50 PLANTS PER 200 SF

[illegible]



CALCULATION: 50 PLANTS PER 200 SF



NORTH CAROLINA
 AMERICAN
 ENGINEERING
 ASSOCIATES
 SOUTHEAST
 C-3881
 CERTIFICATE OF AUTHORIZATION
 STATE NO. 56528
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 CONSTRUCTION
 JAKOB P. KLEIN
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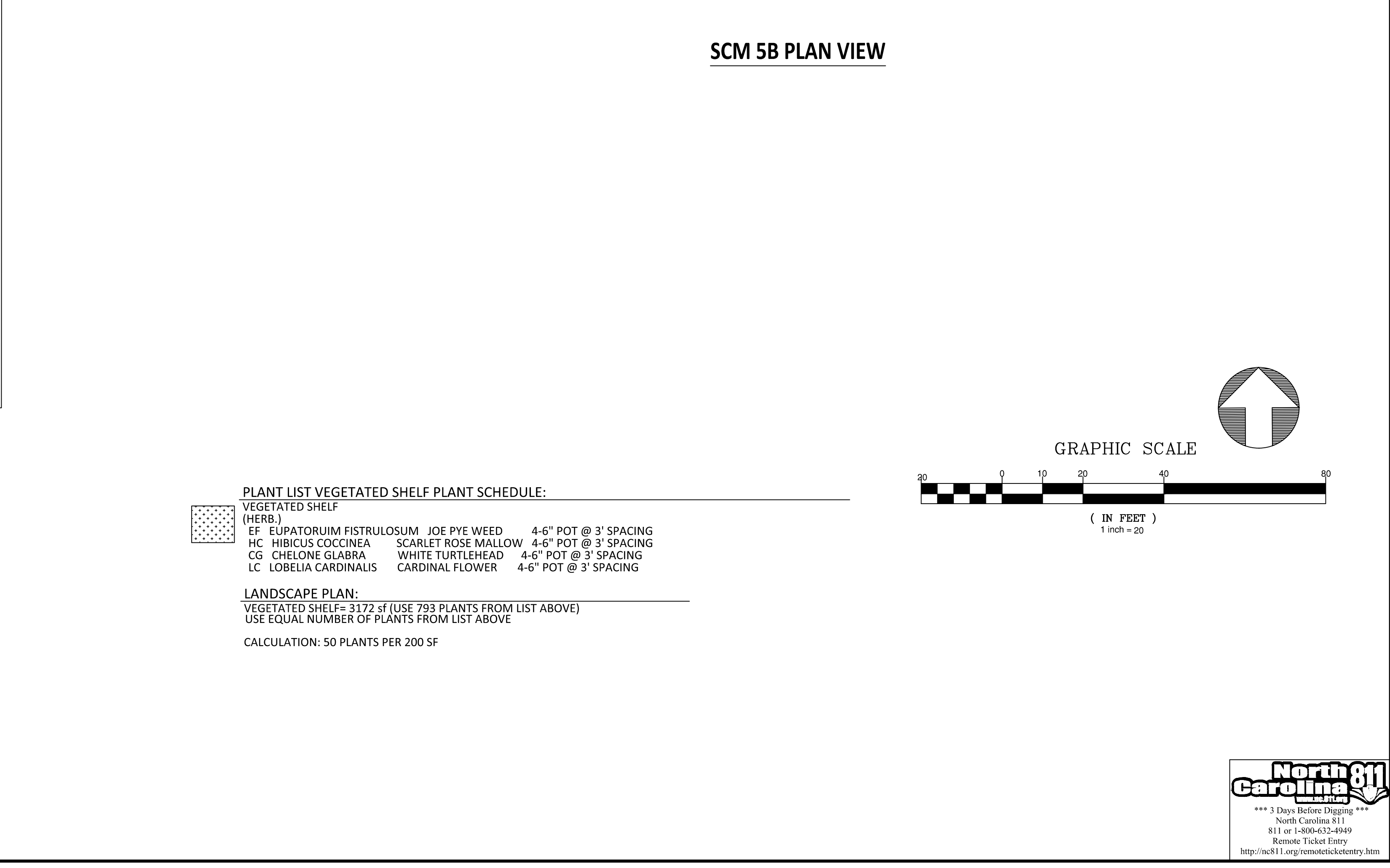
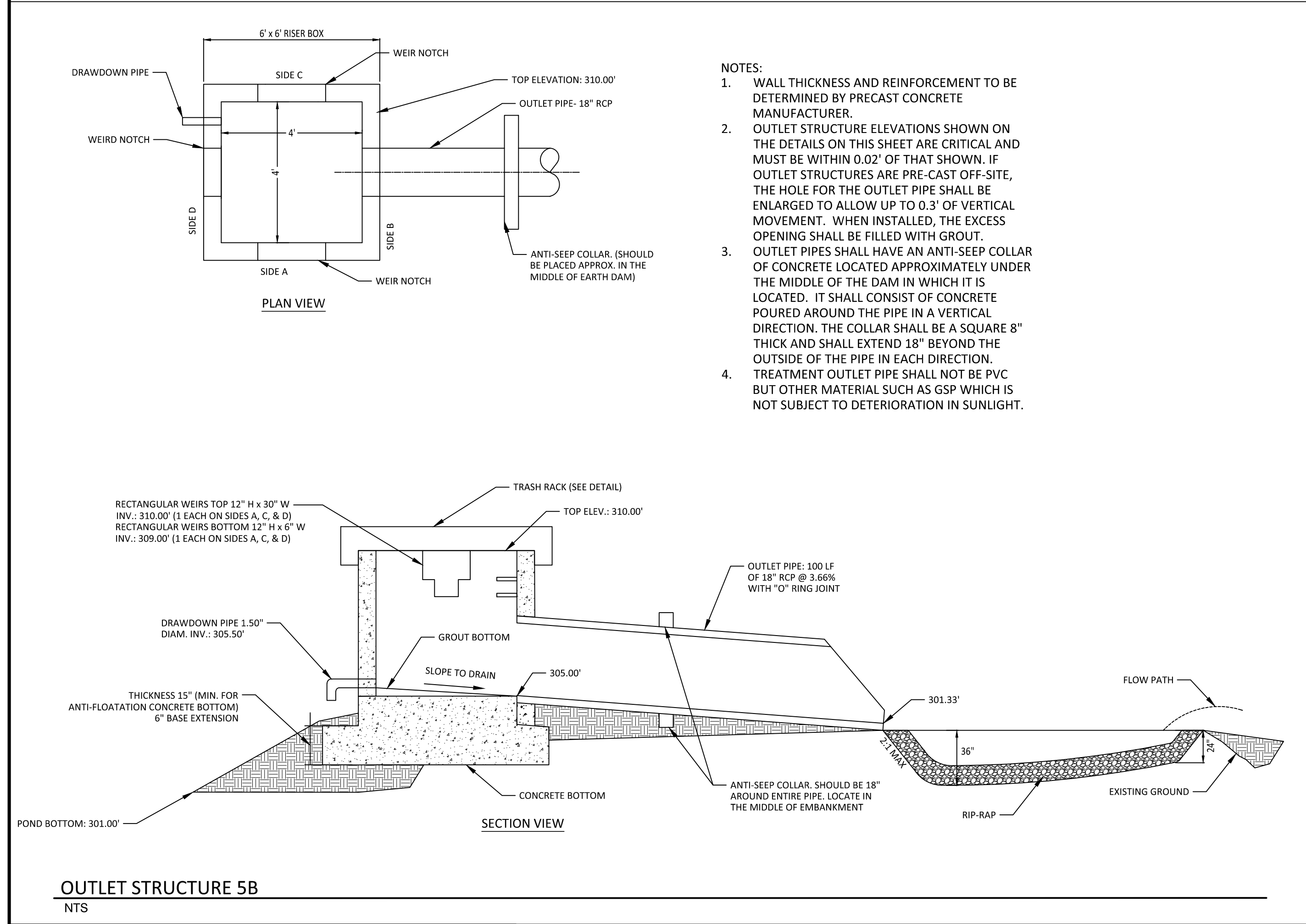
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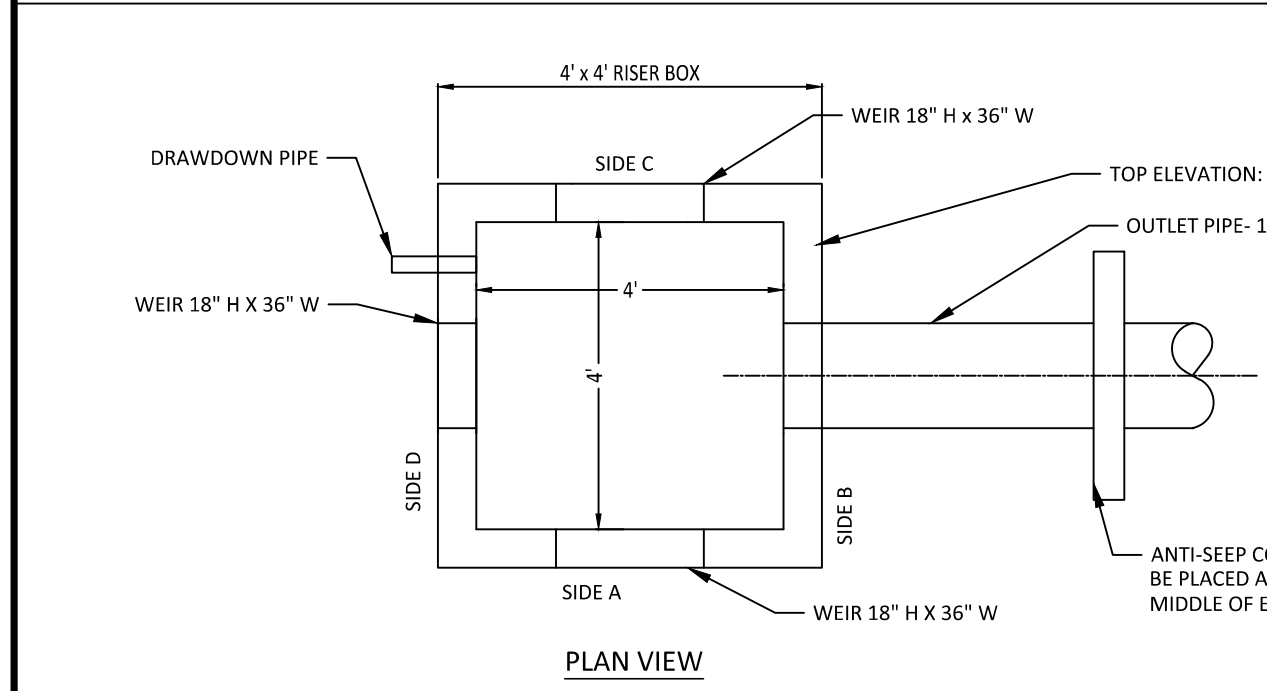
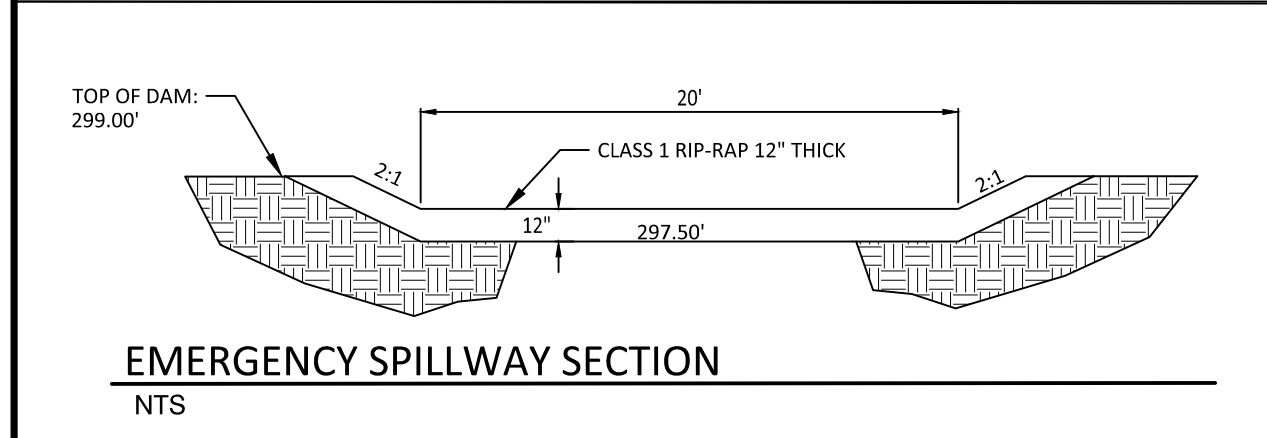
SCM 4 DETAIL
ROLESVILLE RD
WAKE COUNTY NC 27312

BOOK NUMBER:	23-0004
CHECKED BY:	BR
DRAWN BY:	DH/RC/SM/GE/MA/LL/JH
DATE:	05/01/2023
SHEET TITLE:	

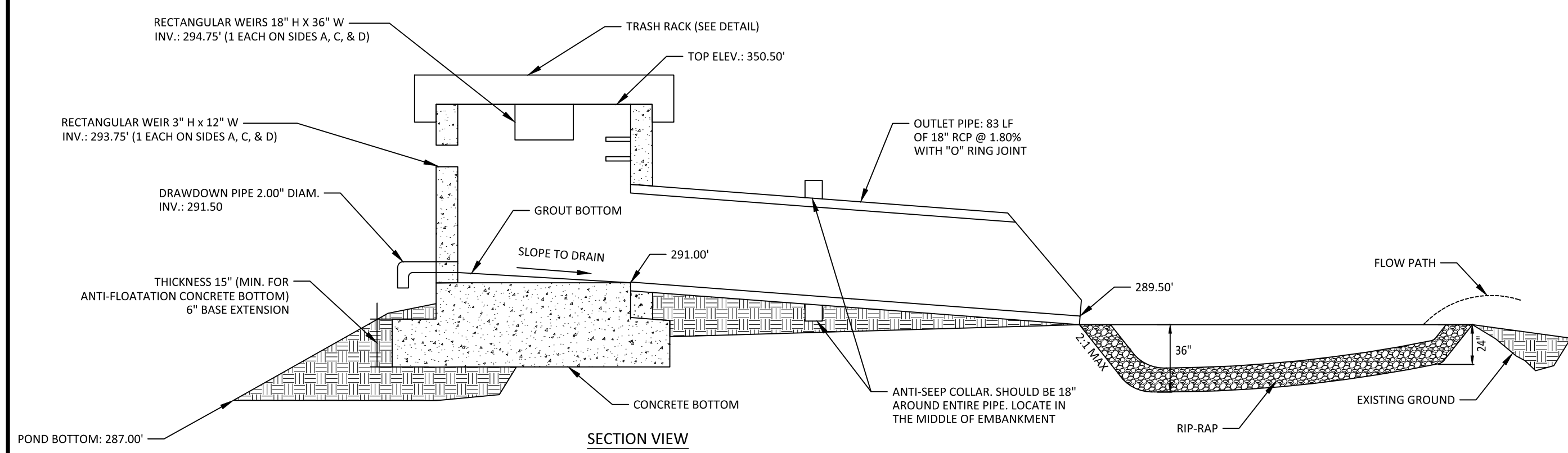
SCM 4 DETAIL

SHEET NO.:
CG-405

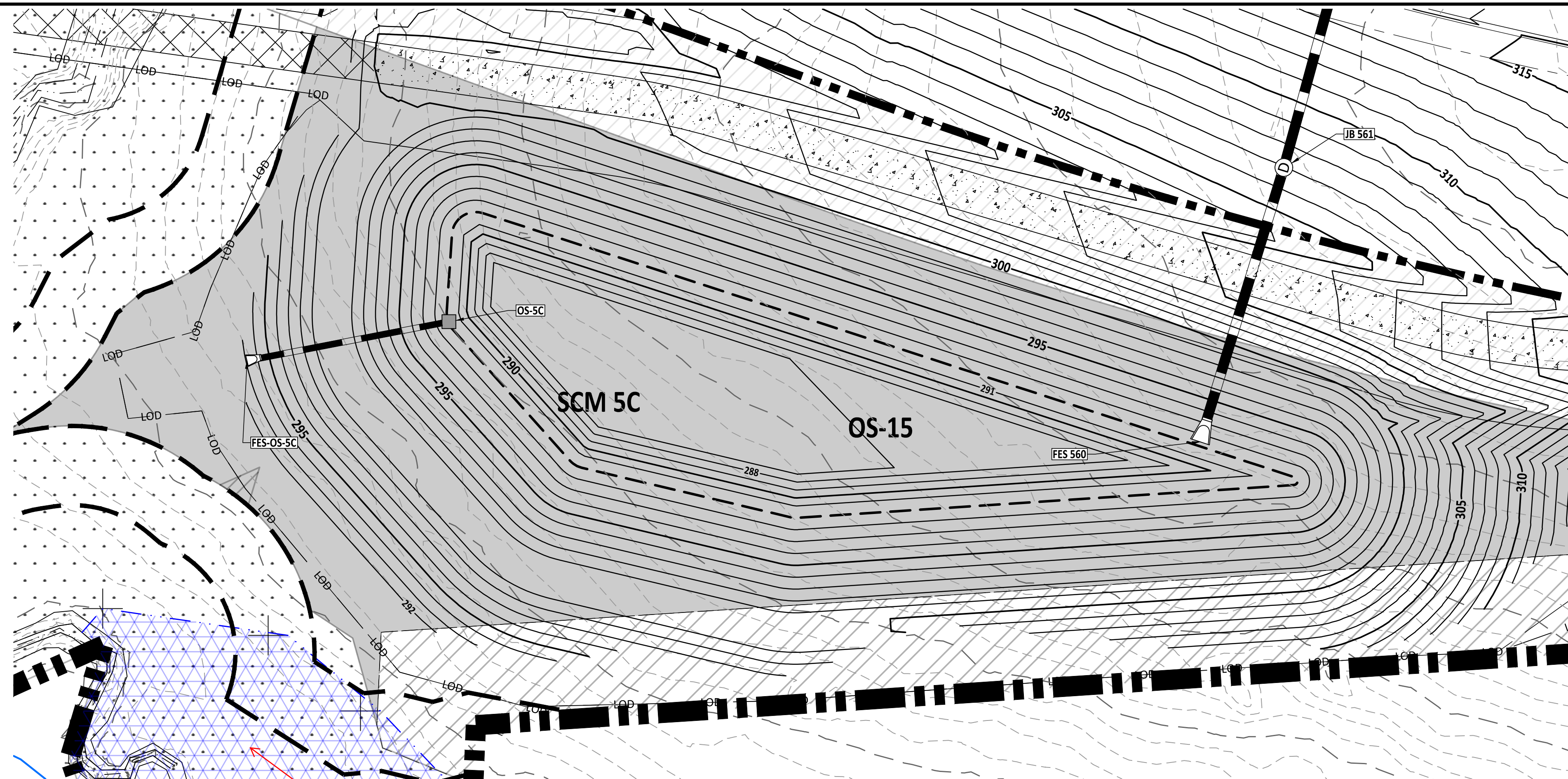
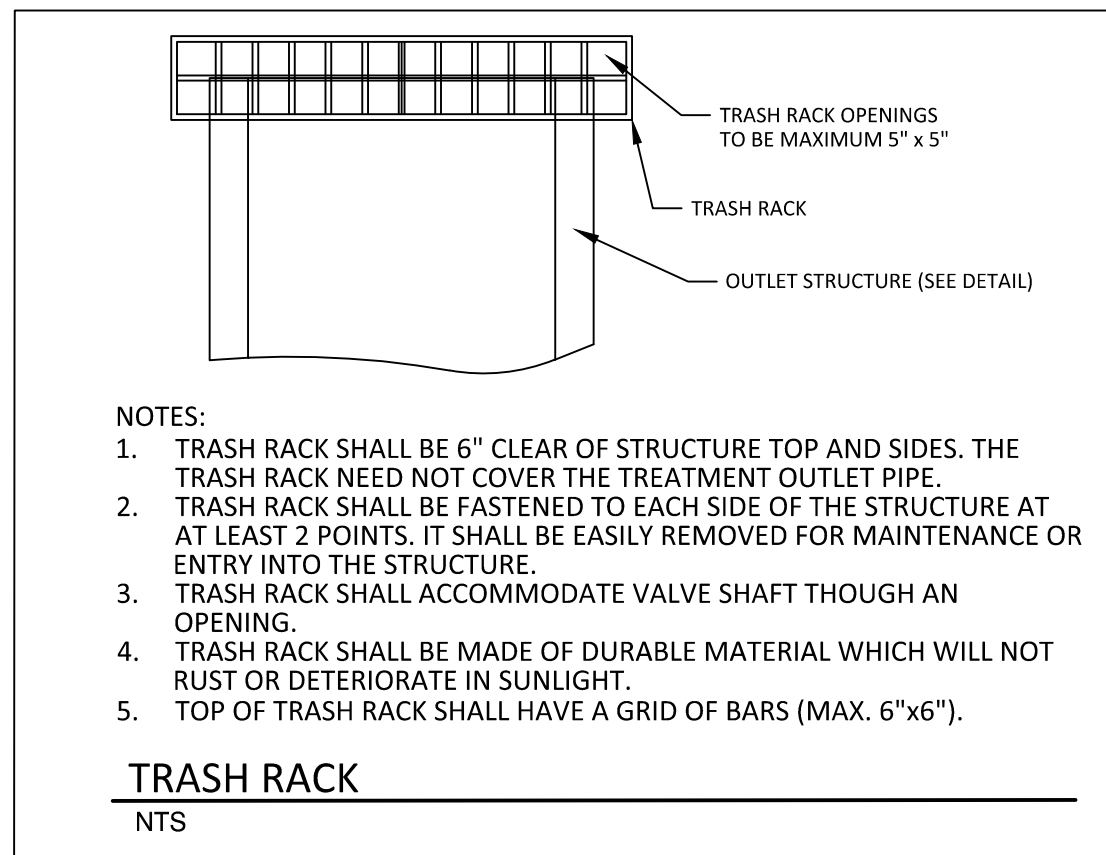




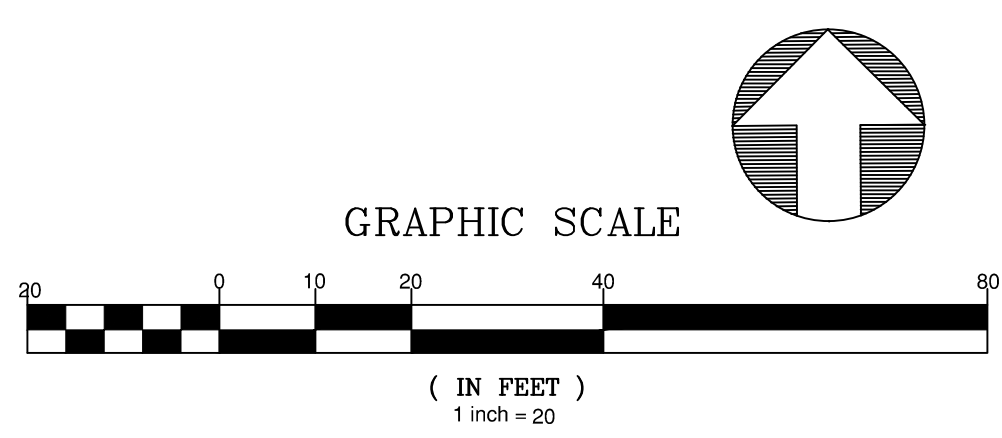
1. WALL THICKNESS AND REINFORCEMENT TO BE DETERMINED BY PRECAST CONCRETE MANUFACTURER.
2. OUTLET STRUCTURE ELEVATIONS SHOWN ON THE DETAILS ON THIS SHEET ARE CRITICAL AND MUST BE WITHIN 0.02' OF THAT SHOWN. IF OUTLET STRUCTURES ARE PRE-CAST OFF-SITE, THE HOLE FOR THE OUTLET PIPE SHALL BE ENLARGED TO ALLOW UP TO 0.3' OF VERTICAL MOVEMENT. WHEN INSTALLED, THE EXCESS CONCRETE SHALL BE FILLED WITH GSP.
3. OUTLET PIPES SHALL HAVE AN ANTI-SEEP COLLAR OF CONCRETE LOCATED APPROXIMATELY UNDER THE MIDDLE OF THE DAM IN WHICH IT IS LOCATED. IT SHALL CONSIST OF CONCRETE POURED AROUND THE PIPE IN A VERTICAL DIRECTION. THE COLLAR SHALL BE A SQUARE 8" ON EACH SIDE AND SHALL BE 12" BY 12" ON THE OUTSIDE OF THE PIPE IN EACH DIRECTION.
4. TREATMENT OUTLET PIPE SHALL NOT BE PVC BUT OTHER MATERIAL SUCH AS GSP WHICH IS NOT SUBJECT TO DETERIORATION IN SUNLIGHT.



OUTLET STRUCTURE 50
NTS



SCM 5C PLAN VIEW

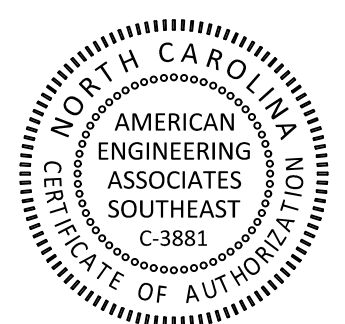


- | PLANT LIST VEGETATED SHELF PLANT SCHEDULE: | | | |
|---|-------------------------|---------------------------------------|-----------------------|
|  | VEGETATED SHELF (HERB.) | | |
| | HF | EUPATORIUM FISTULOSUM JOE PYE WEED | 4-6" POT @ 3' SPACING |
| | HC | HIBISCUS COCCINEA SCARLET ROSE MALLOW | 4-6" POT @ 3' SPACING |
| | CG | CELEBRINE GLABRA WHITE TURTLEHEAD | 4-6" POT @ 3' SPACING |
| | LC | LOBELIA CARDINALIS CARDINAL FLOWER | 4-6" POT @ 3' SPACING |

LANDSCAPE PLAN:

VEGETATED SHELF= 3172 sf (USE 793 PLANTS FROM LIST ABOVE,
USE EQUAL NUMBER OF PLANTS FROM LIST ABOVE

CALCULATION: 50 PLANTS PER 200 SF



PRELIMINARY

PRELIMINARY

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MERRITT RESERVE

CG408_SCM 5C
DETAIL
ROLESVILLE RD
WAKE COUNTY NC 27312

JOB NUMBER: 23-00

CHECKED BY:

DRAWN BY: DH/RC/SM/GE/MA/LL

DATE: 05/01/20

SHEET TITLE:

CG408 SCM EA

CG408_SCM 30

DETAIL

10. *Journal of the American Medical Association*, 2000; 283: 2689-2694.

SHEET NO. :

SHEET NO.:

■■■■

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