

TIP PROJECT: HL-0065

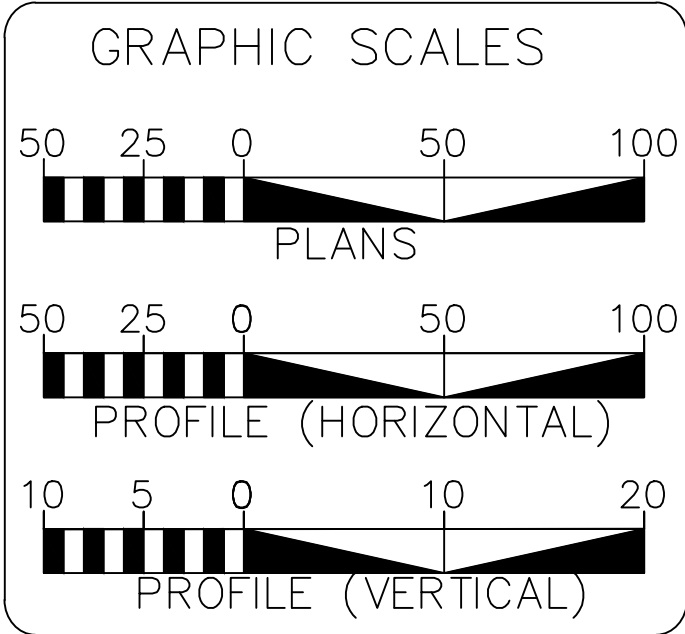
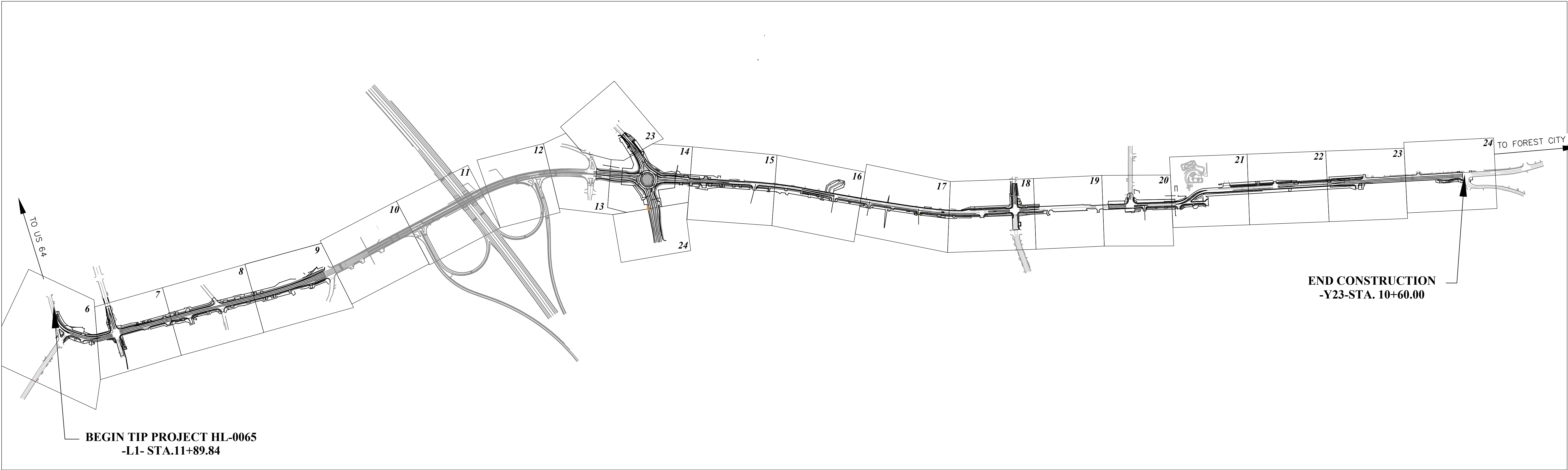
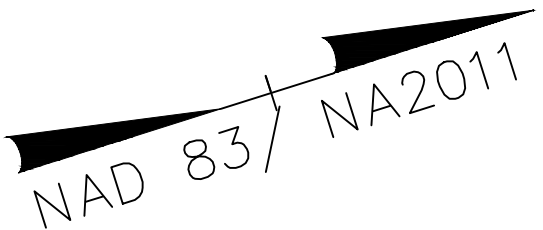
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	HL-0065	UC-1	36

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

UTILITY CONSTRUCTION PLANS
RUTHERFORD COUNTY

LOCATION: US 221A (CHARLOTTE ROAD/ MAIN STREET) IN RUTHERFORDTON.
CONSTRUCT COMPLETE STREET.

TYPE OF WORK: WATER AND SEWER LINE CONSTRUCTION



SHEET NO:	INDEX OF SHEETS	DISCRIPTON:
UC-1	TITLE SHEET	
UC-2	UTILITY SYMBOLOLOGY	
UC-3	NOTES	
UC-4 THRU 5	DETAILS	
UC-6 THRU UC-26	UTILITY CONSTRUCTION	
UC-27 THRU UC-36	UTILITY PROFILE	

WATER AND SEWER OWNERS ON PROJECT
(A) SANITARY SEWER: TOWN OF RUTHERFORDTON & TOWN OF SPINDALE
(B) WATER: BROAD RIVER WATER AUTHORITY

PREPARED IN THE OFFICE OF

E Odom Engineering PLLC

169 Oak Street, Forest City, N.C. 28043
ph: 828.247.4495 fax: 828.247.4498
NC Firm#: P-08880

DAVID ODOM _____ CONSULTANT CONTACT #1
SCOTT ROACH _____ CONSULTANT CONTACT #2
LUCAS TOLLEY _____ CONSULTANT CONTACT #3

SEAL

DIVISION OF HIGHWAYS
UTILITIES UNIT
1555 MAIL SERVICES CENTER
RALEIGH, NC 27699-1555
PHONE (919) 707-6690
FAX (919) 250-4151

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

PROJECT REFERENCE NO.	SHEET NO.
HL-0065	UC-2

UTILITIES PLAN SHEET SYMBOLS

PROPOSED WATER SYMBOLS

Water Line (Sized as Shown)	
11\° Degree Bend	
22\° Degree Bend	
45 Degree Bend	
90 Degree Bend	
Plug	
Tee	
Cross	
Reducer	
Gate Valve	
Butterfly Valve	
Tapping Valve	
Line Stop	
Line Stop with Bypass	
Blow Off	
Fire Hydrant	
Relocate Fire Hydrant	
Remove Fire Hydrant	REM FH
Water Meter	
Relocate Water Meter	
Remove Water Meter	REM WM
Water Pump Station	
RPZ Backflow Preventer	
DCV Backflow Preventer	
Relocate RPZ Backflow Preventer	
Relocate DCV Backflow Preventer	

PROPOSED SEWER SYMBOLS

Gravity Sewer Line (Sized as Shown)	
Force Main Sewer Line (Sized as Shown)	
Manhole (Sized per Note)	
Sewer Pump Station	

PROPOSED MISCELLANEOUS UTILITIES SYMBOLS

Power Pole	
Telephone Pole	
Joint Use Pole	
Telephone Pedestal	
Utility Line by Others (Type as Shown)	
Trenchless Installation	
Encasement by Open Cut	
Encasement	

Thrust Block	
Air Release Valve	
Utility Vault	
Concrete Pier	
Steel Pier	
Plan Note	
Pay Item Note	

NOTE
PAY ITEM

EXISTING UTILITIES SYMBOLS

Power Pole	
Telephone Pole	
Joint Use Pole	
Utility Pole	
Utility Pole with Base	
H-Frame Pole	
Power Transmission Line Tower	
Water Manhole	
Power Manhole	
Telephone Manhole	
Sanitary Sewer Manhole	
Hand Hole for Cable	
Power Transformer	
Telephone Pedestal	
CATV Pedestal	
Gas Valve	
Gas Meter	
Located Miscellaneous Utility Object	
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

*Underground Power Line	
*Underground Telephone Cable	
*Underground Telephone Conduit	
*Underground Fiber Optics Telephone Cable	
*Underground TV Cable	
*Underground Fiber Optics TV Cable	
*Underground Gas Pipeline	
Aboveground Gas Pipeline	
*Underground Water Line	
Aboveground Water Line	
*Underground Gravity Sanitary Sewer Line	
Aboveground Gravity Sanitary Sewer Line	
*Underground SS Forced Main Line	
Underground Unknown Utility Line	
SUE Test Hole	
Water Meter	
Water Valve	
Fire Hydrant	
Sanitary Sewer Cleanout	

*For Existing Utilities
Utility Line Drawn from Record
(Type as Shown)
Designated Utility Line
(Type as Shown)

UTILITY CONSTRUCTION

GENERAL NOTES:

1. THE PROPOSED UTILITY CONSTRUCTION SHALL MEET THE APPLICABLE REQUIREMENTS OF THE NC DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES"DATED JANUARY 2024.
2. THE EXISTING UTILITIES BELONG TO
Town of Rutherfordton sewer, Town of Spindale sewer and
Broad River Water Authority water system
3. ALL WATER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY, DIVISION OF WATER RESOURCES, PUBLIC WATER SUPPLY SECTION. ALL SEWER LINES TO BE INSTALLED WITHIN COMPLIANCE OF THE RULES AND REGULATIONS OF THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT QUALITY, DIVISION OF WATER RESOURCES, WATER QUALITY SECTION. PERFORM ALL WORK IN ACCORDANCE WITH THE APPLICABLE PLUMBING CODES.
4. THE UTILITY OWNER OWNS THE EXISTING UTILITY FACILITIES AND WILL OWN THE NEW UTILITY FACILITIES AFTER ACCEPTANCE BY THE DEPARTMENT. THE DEPARTMENT OWNS THE CONSTRUCTION CONTRACT AND HAS ADMINISTRATIVE AUTHORITY. COMMUNICATIONS AND DECISIONS BETWEEN THE CONTRACTOR AND UTILITY OWNER ARE NOT BINDING UPON THE DEPARTMENT OR THIS CONTRACT UNLESS AUTHORIZED BY THE ENGINEER. AGREEMENTS BETWEEN THE UTILITY OWNER AND CONTRACTOR FOR THE WORK THAT IS NOT PART OF THIS CONTRACT OR IS SECONDARY TO THIS CONTRACT ARE ALLOWED, BUT ARE NOT BINDING UPON THE DEPARTMENT.
5. PROVIDE ACCESS FOR THE DEPARTMENT PERSONNEL AND THE OWNER'S REPRESENTATIVES TO ALL PHASES OF CONSTRUCTION. NOTIFY DEPARTMENT PERSONNEL AND THE UTILITY OWNER TWO WEEKS PRIOR TO COMMENCEMENT OF ANY WORK AND ONE WEEK PRIOR TO SERVICE INTERRUPTION. KEEP UTILITY OWNERS' REPRESENTATIVES INFORMED OF WORK PROGRESS AND PROVIDE OPPORTUNITY FOR INSPECTION OF CONSTRUCTION AND TESTING.

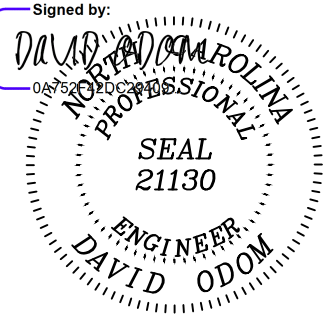
6. THE PLANS DEPICT THE BEST AVAILABLE INFORMATION FOR THE LOCATION, SIZE, AND TYPE OF MATERIAL FOR ALL EXISTING UTILITIES. MAKE INVESTIGATIONS FOR DETERMINING THE EXACT LOCATION, SIZE, AND TYPE MATERIAL OF THE EXISTING FACILITIES AS NECESSARY FOR THE CONSTRUCTION OF THE PROPOSED UTILITIES AND FOR AVOIDING DAMAGE TO EXISTING FACILITIES. REPAIR ANY DAMAGE INCURRED TO EXISTING FACILITIES TO THE ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE DEPARTMENT.
7. MAKE FINAL CONNECTIONS OF THE NEW WORK TO THE EXISTING SYSTEM WHERE INDICATED ON THE PLANS, AS REQUIRED TO FIT THE ACTUAL CONDITIONS, OR AS DIRECTED.
8. MAKE CONNECTIONS BETWEEN EXISTING AND PROPOSED UTILITIES AT TIMES MOST CONVENIENT TO THE PUBLIC, WITHOUT ENDANGERING THE UTILITY SERVICE, AND IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS. MAKE CONNECTIONS ON WEEKENDS, AT NIGHT, AND ON HOLIDAYS IF NECESSARY.
9. ALL UTILITY MATERIALS SHALL BE APPROVED PRIOR TO DELIVERY TO THE PROJECT. SEE 1500-7, *SUBMITTALS AND RECORDS*IN SECTION 1500 OF THE STANDARD SPECIFICATIONS.

PROJECT SPECIFIC NOTES:

1. CONTRACTOR'S ATTENTION IS DIRECTED TO SECTIONS 102, 107, AND 1550 OF THE STANDARD SPECIFICATIONS CONCERNING TRENCHLESS INSTALLATION. IT IS CONTRACTOR'S RESPONSIBILITY TO HAVE BORE DESIGNED AND SEALED BY A LICENSED NORTH CAROLINA PROFESSIONAL ENGINEER. NO DAMAGE IS ALLOWED TO RIVER, WETLANDS, OR BUFFER ZONES.
2. IF HDPE PIPE IS INSTALLED BY DIRECTIONAL DRILL. IT SHALL BE FILLED WITH WATER AND NOT BE CONNECTED TO ANY OTHER PIPE OR FITTINGS FOR ONE WEEK FROM THE TIME OF INSTALLATION.

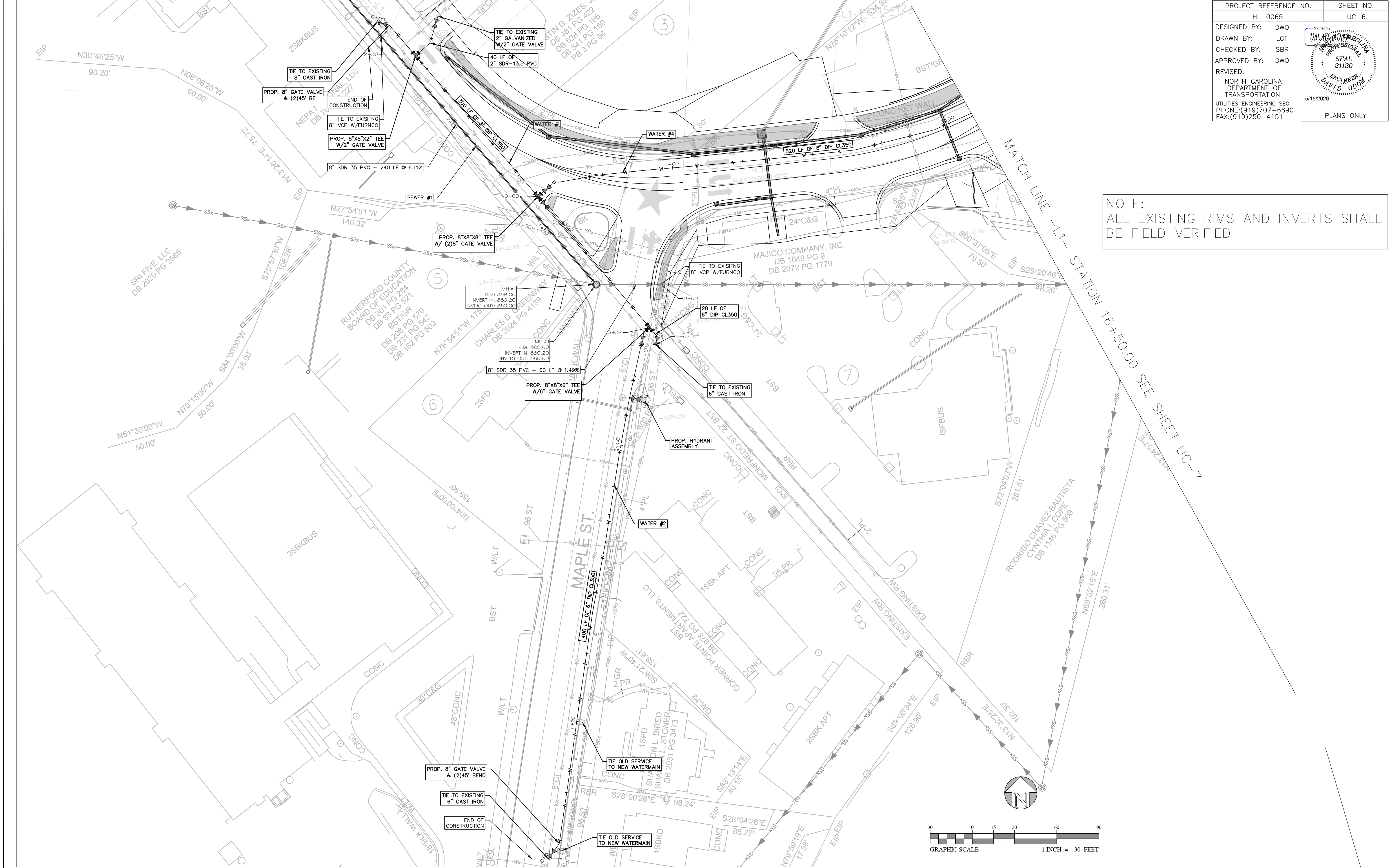
LIST OF STANDARD DRAWINGS

- 1515.01 WATER METER
- 1515.02 FIRE HYDRANT
- 1520.01 SEWER CLEAN OUT
- 1525.06 PRECAST CONCRETE SANITARY SEWER MANHOLE WITH CAST-IN-PLACE BOTTOM

PROJECT REFERENCE NO.		SHEET NO.
HL-0065		UC-3
DESIGNED BY: DWO	Signed by: 	
DRAWN BY: LCT		
CHECKED BY: SBR		
APPROVED BY: DWO		
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		5/15/2026
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		UTILITY CONSTRUCTION PLANS ONLY

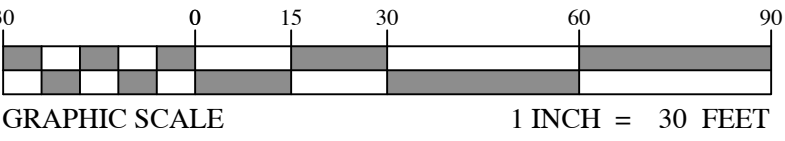
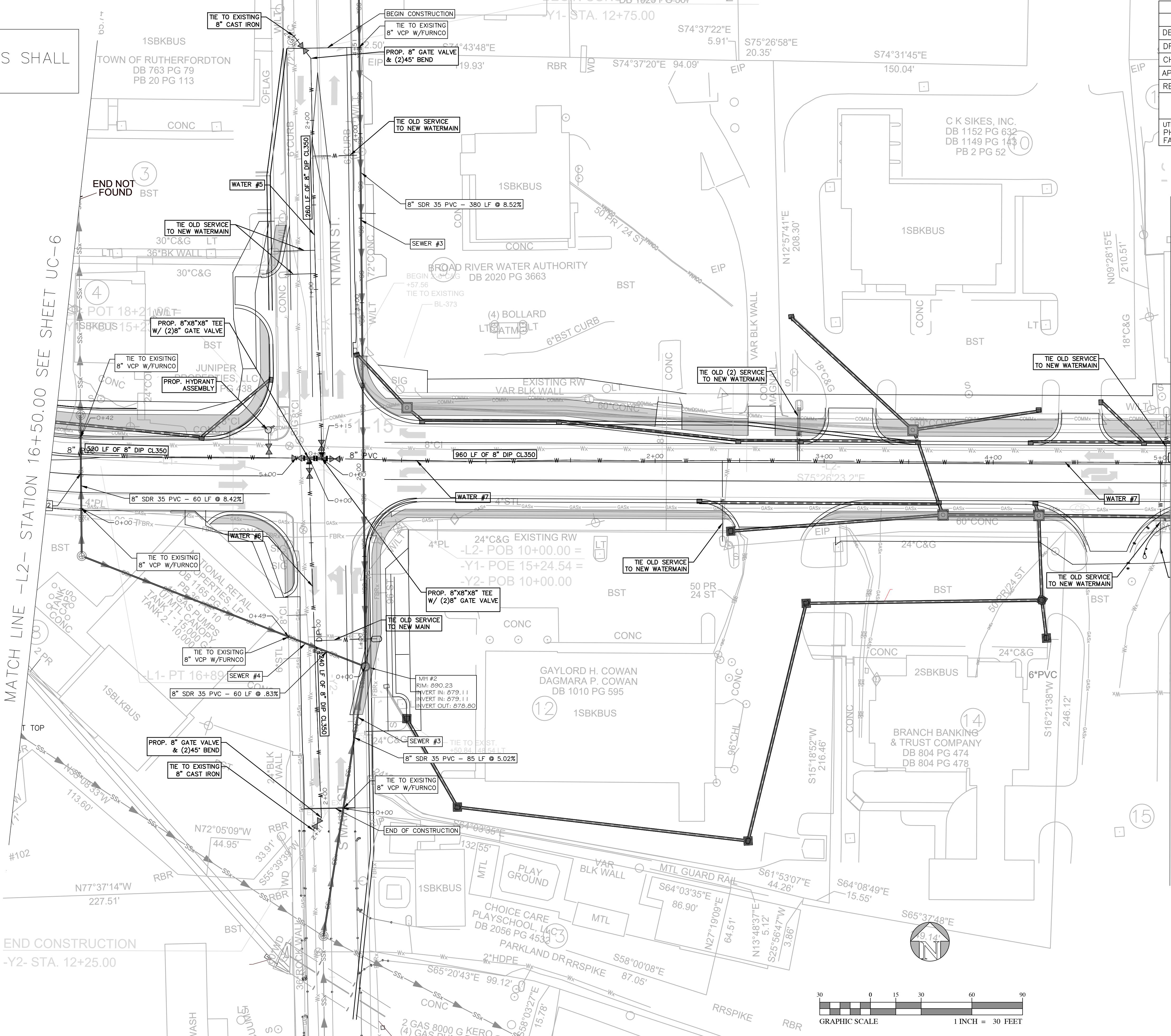
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HL-0065		UC-6	
DESIGNED BY: DWO	DAVID ODOM Professional Engineer SEAL 21130 DAVID ODOM	5/15/2026	
DRAWN BY: LCT			
CHECKED BY: SBR			
APPROVED BY: DWO			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		PLANS ONLY	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			

NOTE:
ALL EXISTING RIMS AND INVERTS SHALL
BE FIELD VERIFIED

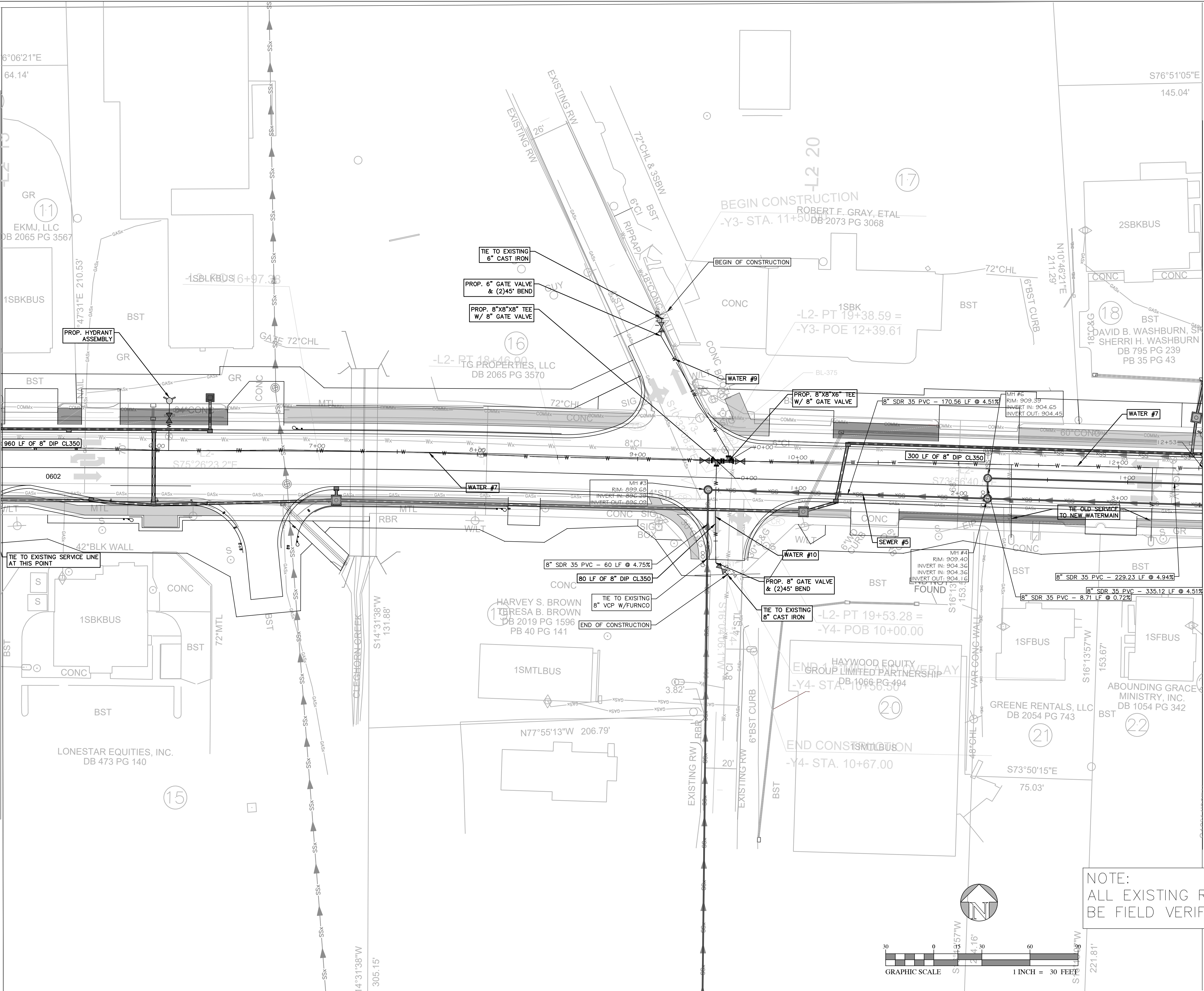


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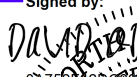
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DRAWN BY: LCT			
CHECKED BY: SBR			
APPROVED BY: DWO			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			



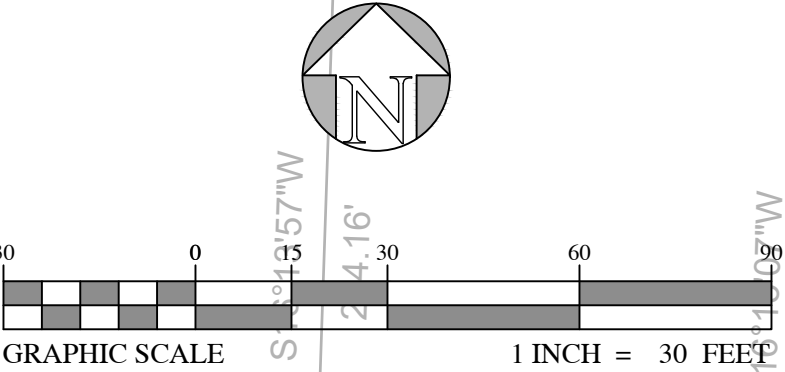
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MATCH LINE -L2- STATION 22+50.00 SEE SHEET UC-9

PROJECT REFERENCE NO.		SHEET NO.	
HL-0065		UC-8	
DESIGNED BY:	DWO	Signed by  DAVID B. WASHBURN, S.E. Professional Engineer SEAL 21130 DAVID ODOM ENGINEER	5/15/2026 PLANS ONLY
DRAWN BY:	LCT		
CHECKED BY:	SBR		
APPROVED BY:	DWO		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			

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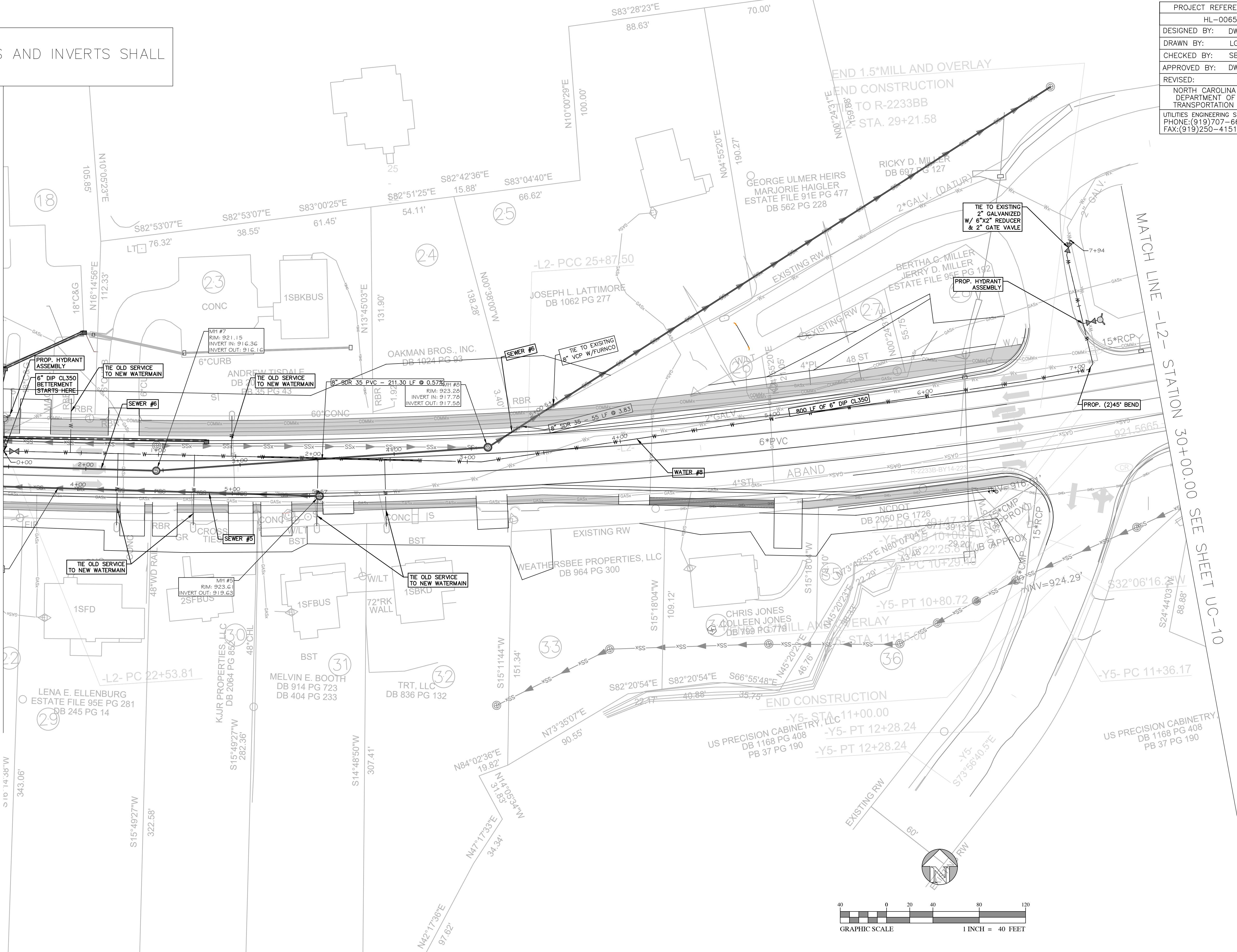


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HL-0065		UC-9	
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DRAWN BY:	LCT		
CHECKED BY:	SBR		
APPROVED BY:	DWO		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		PLANS ONLY	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			

MATCH LINE -L2- STATION 22+50.00 SEE SHEET UC-8

MATCH LINE -L2- STATION 30+00.00 SEE SHEET UC-10

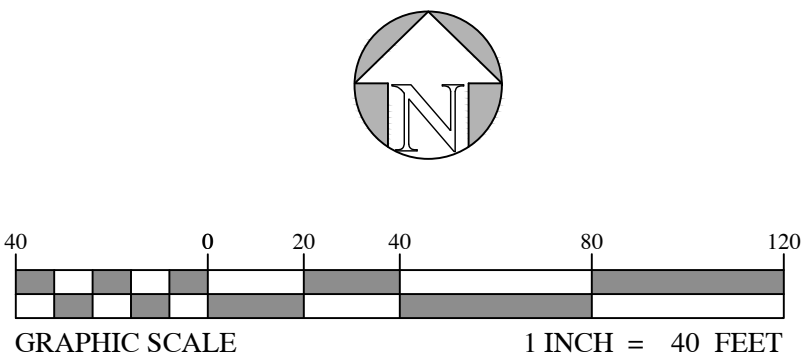
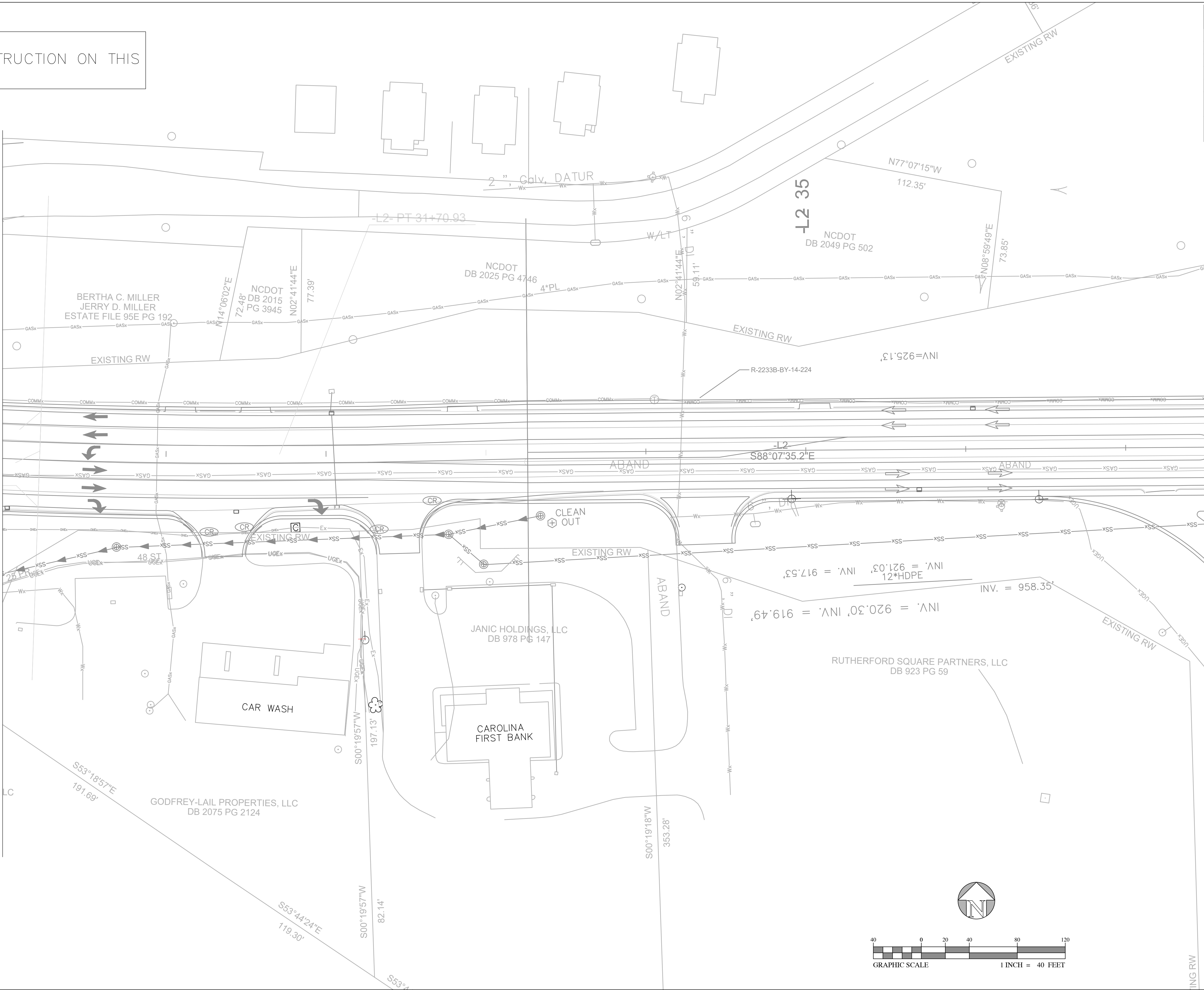


NOTE:
NO UTILITY CONSTRUCTION ON THIS
SHEET

PROJECT REFERENCE NO.		SHEET NO.	
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DRAWN BY: LCT			
CHECKED BY: SBR			
APPROVED BY: DWO			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		5/15/2026	
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151		PLANS ONLY	

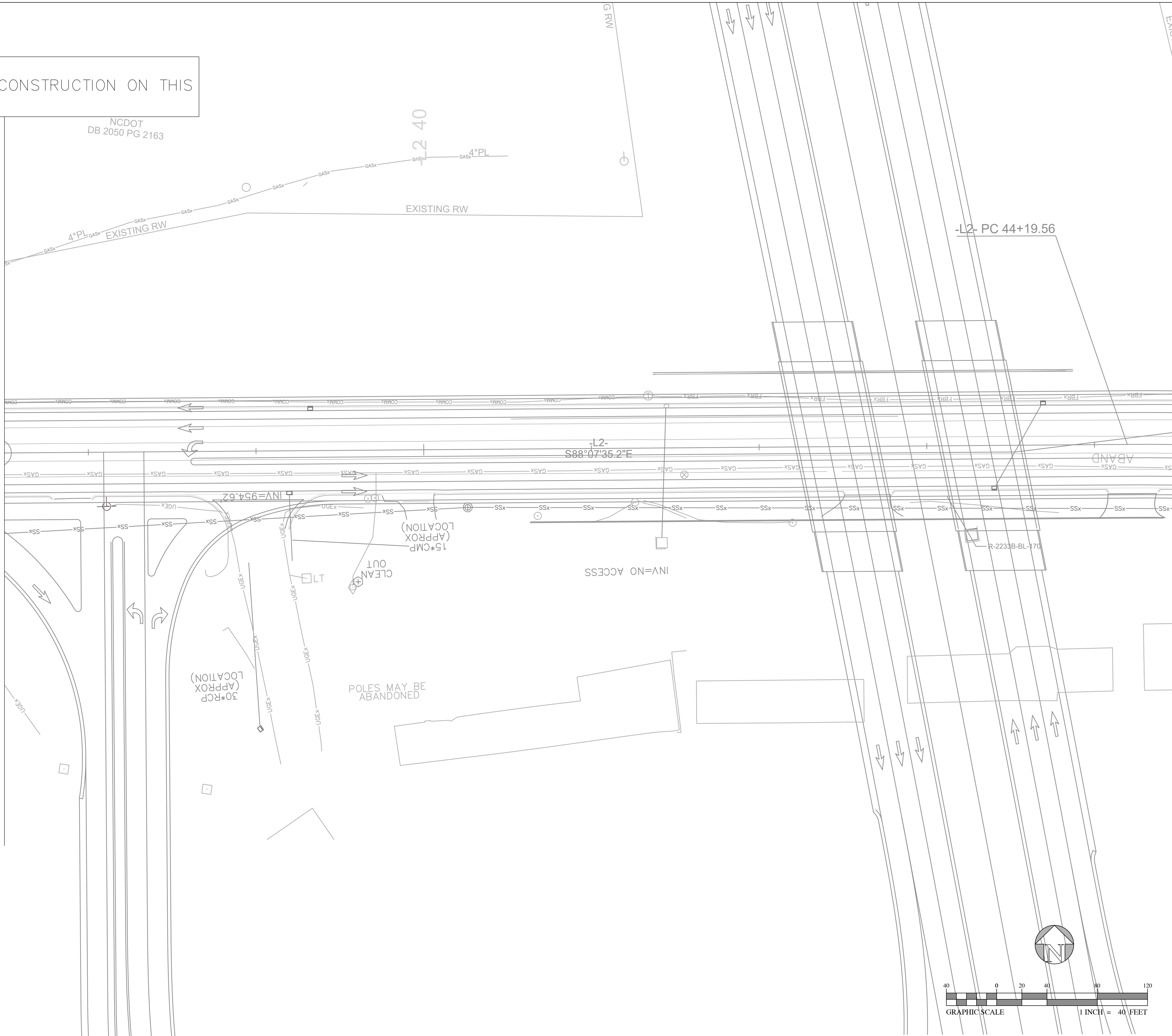
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MATCH LINE -L2- STATION 37+50.00 SEE SHEET UC-11

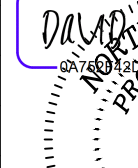


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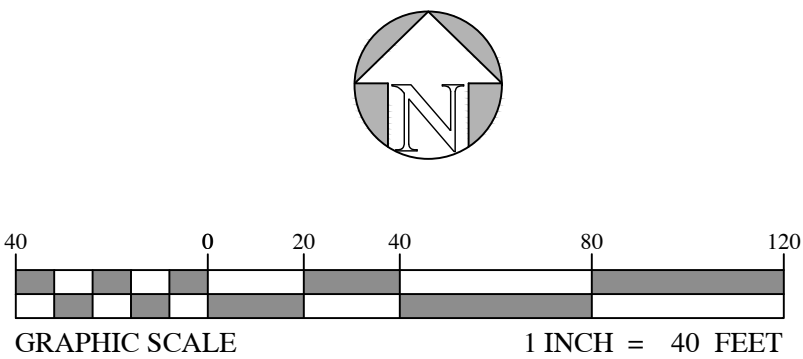
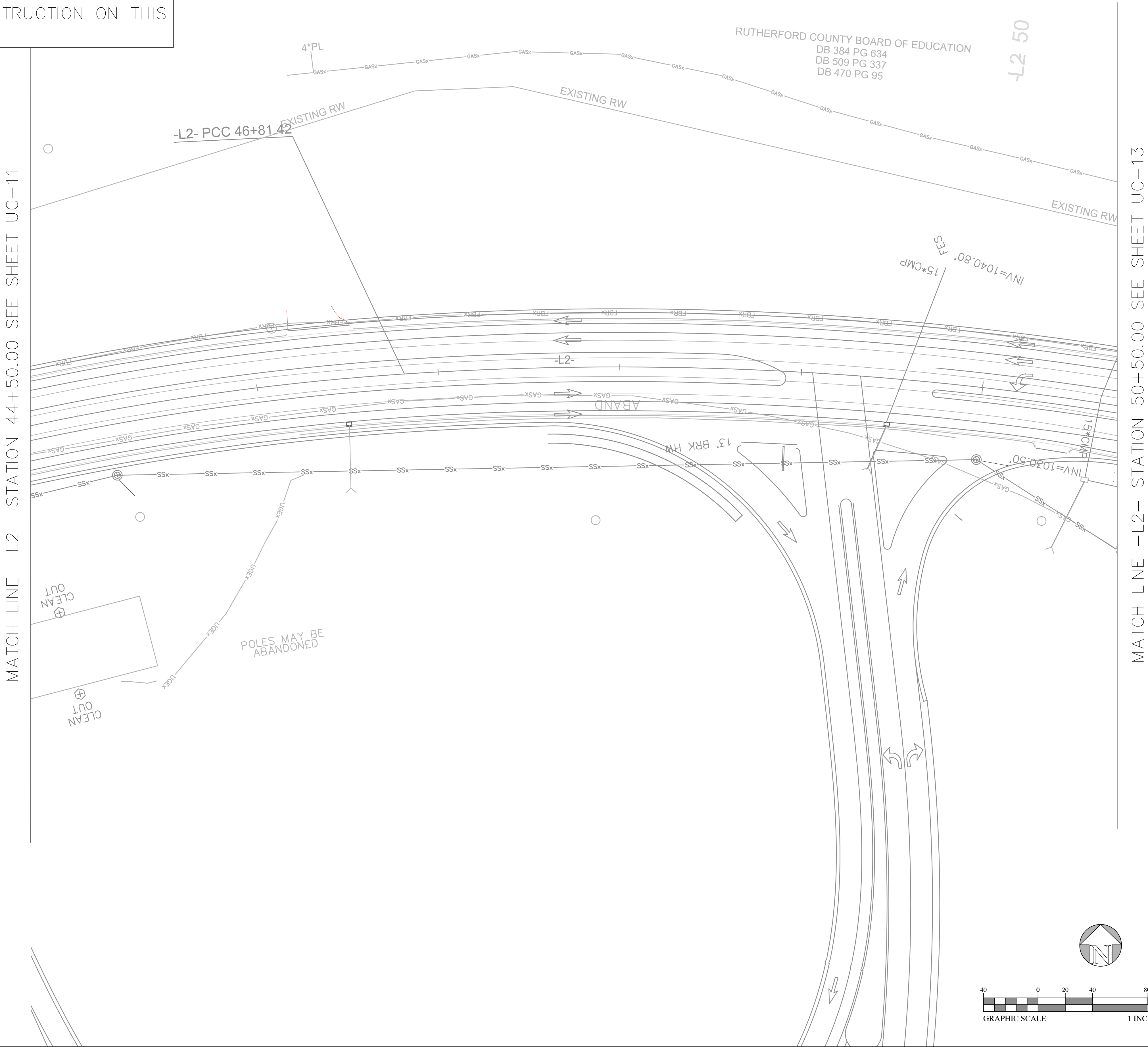
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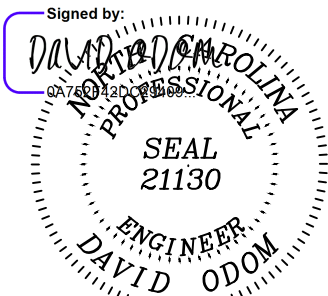


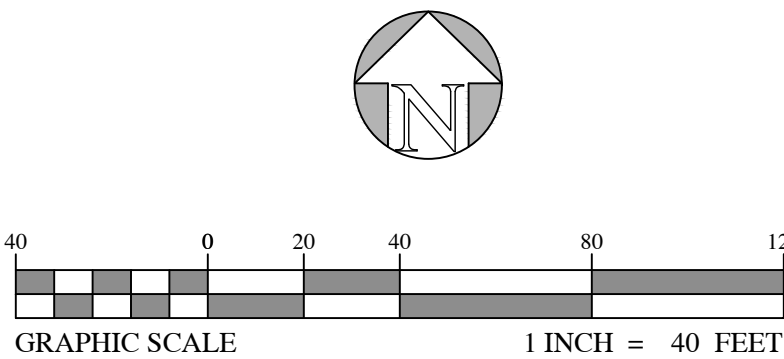
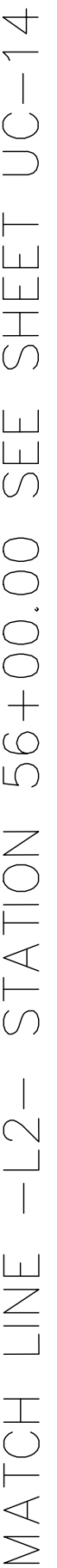
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PROJECT REFERENCE NO.		SHEET NO.	
HL--0065		UC--11	
DESIGNED BY:	DWO	Signed by: 	5/15/2026 PLANS ONLY
DRAWN BY:	LCT		
CHECKED BY:	SBR		
APPROVED BY:	DWO		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			

NOTE:
NO UTILITY CONSTRUCTION ON THIS
SHEET



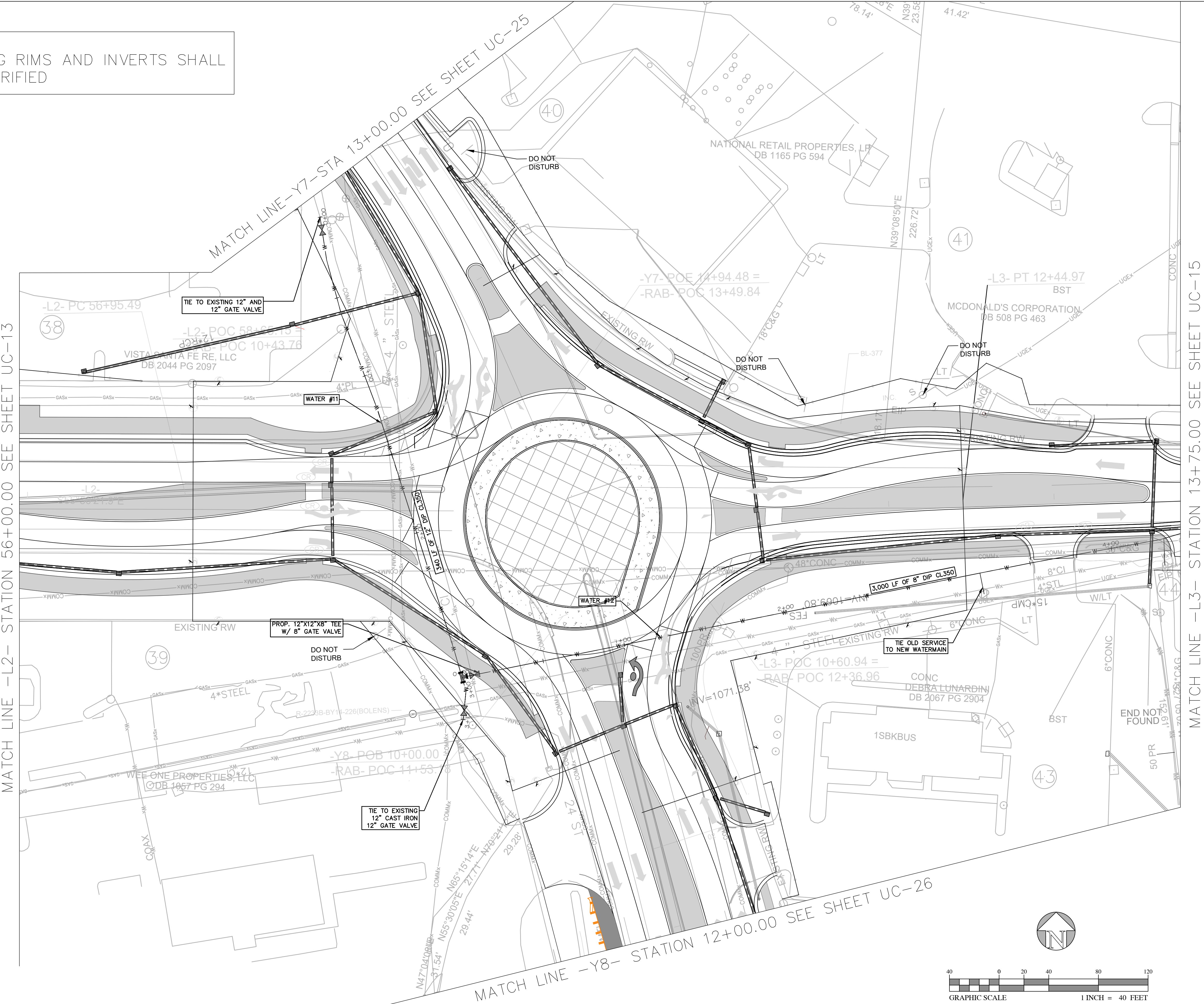
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APPROVED BY: DWO			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151		5/15/2026 PLANS ONLY	

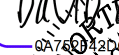


NOTE:
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CHECKED BY:			
APPROVED BY:			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		5/15/2026	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		PLANS ONLY	

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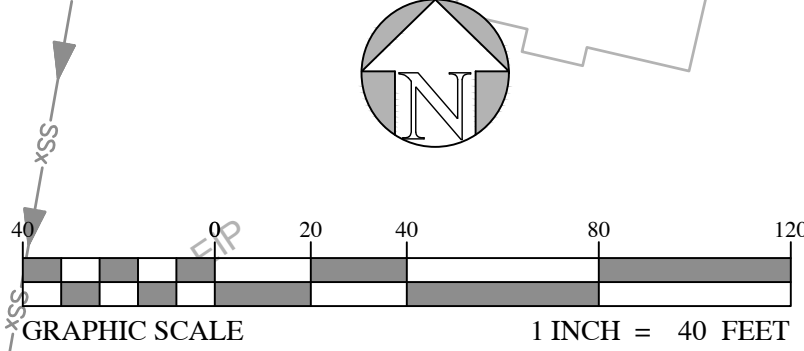
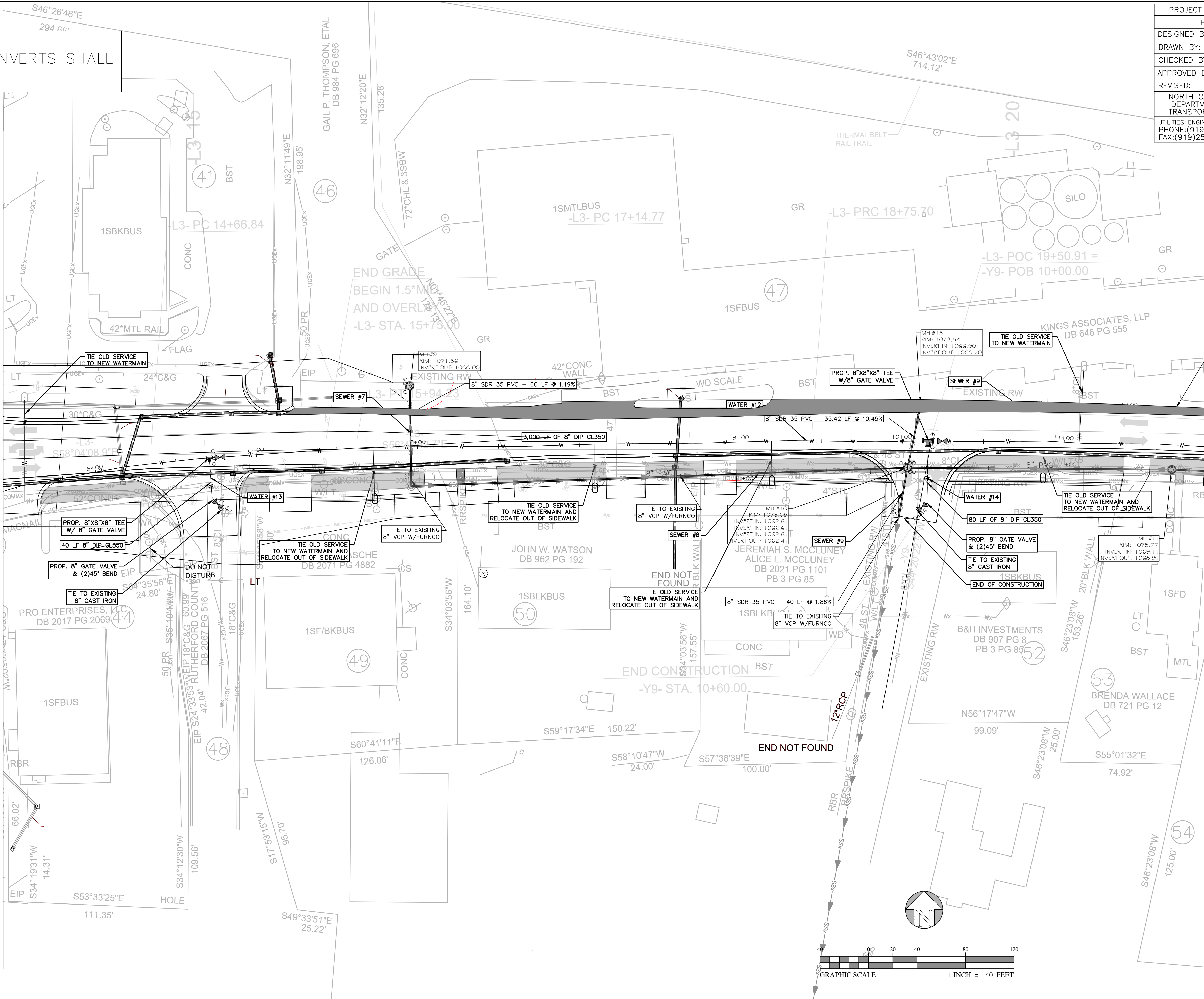
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DESIGNED BY:	DWO	Signed by:  DAVID ODOM Professional Engineer SEAL 21130 DAVID ODOM	5/15/2026 PLANS ONLY
DRAWN BY:	LCT		
CHECKED BY:	SBR		
APPROVED BY:	DWO		
REVISED:			
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PROJECT REFERENCE NO.		SHEET NO.	
HL-0065		UC-15	
DESIGNED BY:	DWO	DAVID ODOM Professional Engineer SEAL 21130 DAVID ODOM	5/15/2026
DRAWN BY:	LCT		
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APPROVED BY:	DWO		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		PLANS ONLY	
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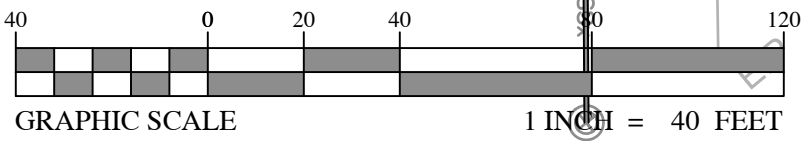
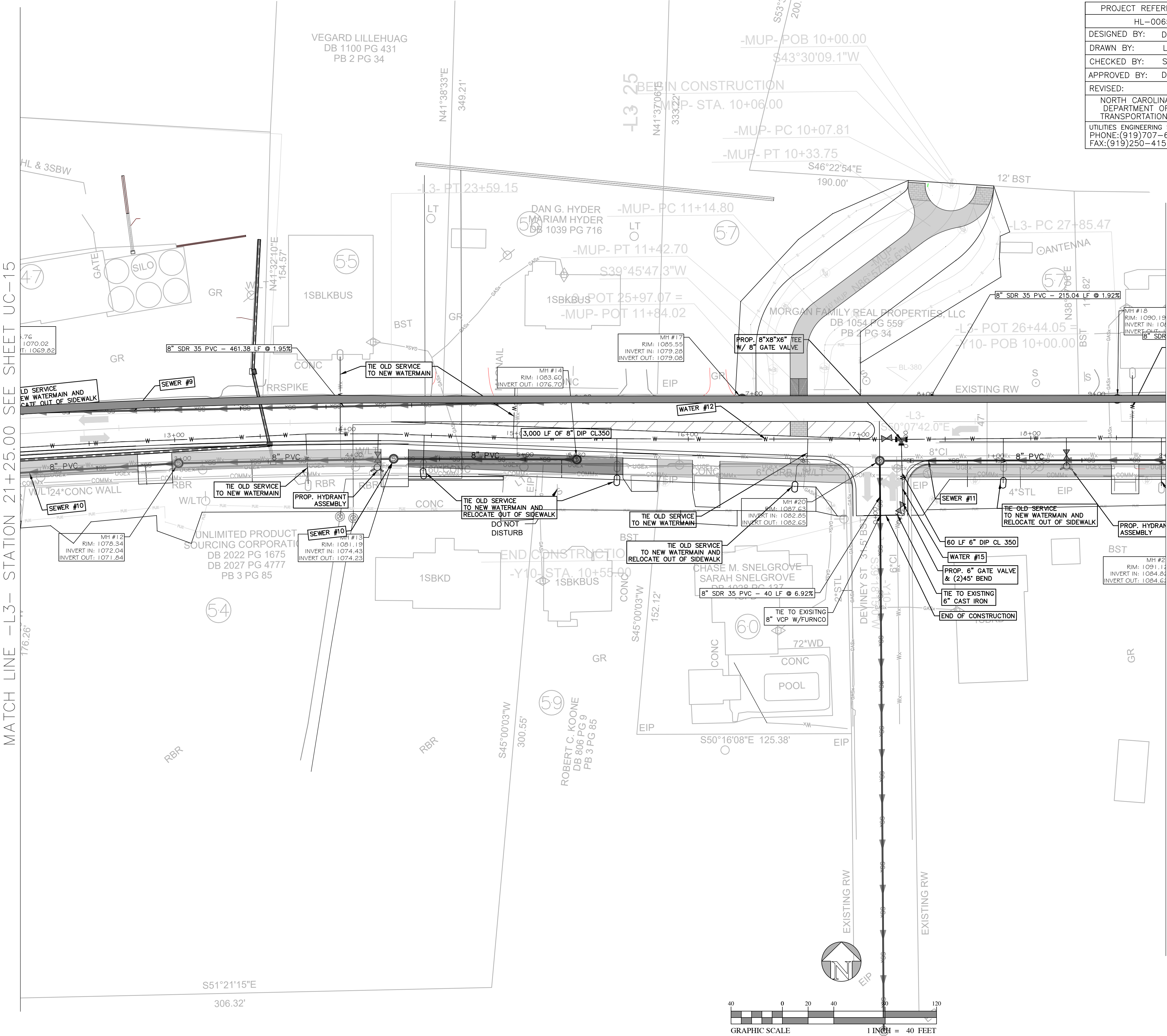
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MATCH LINE -L3- STATION 21+25.00 SEE SHEET UC-16



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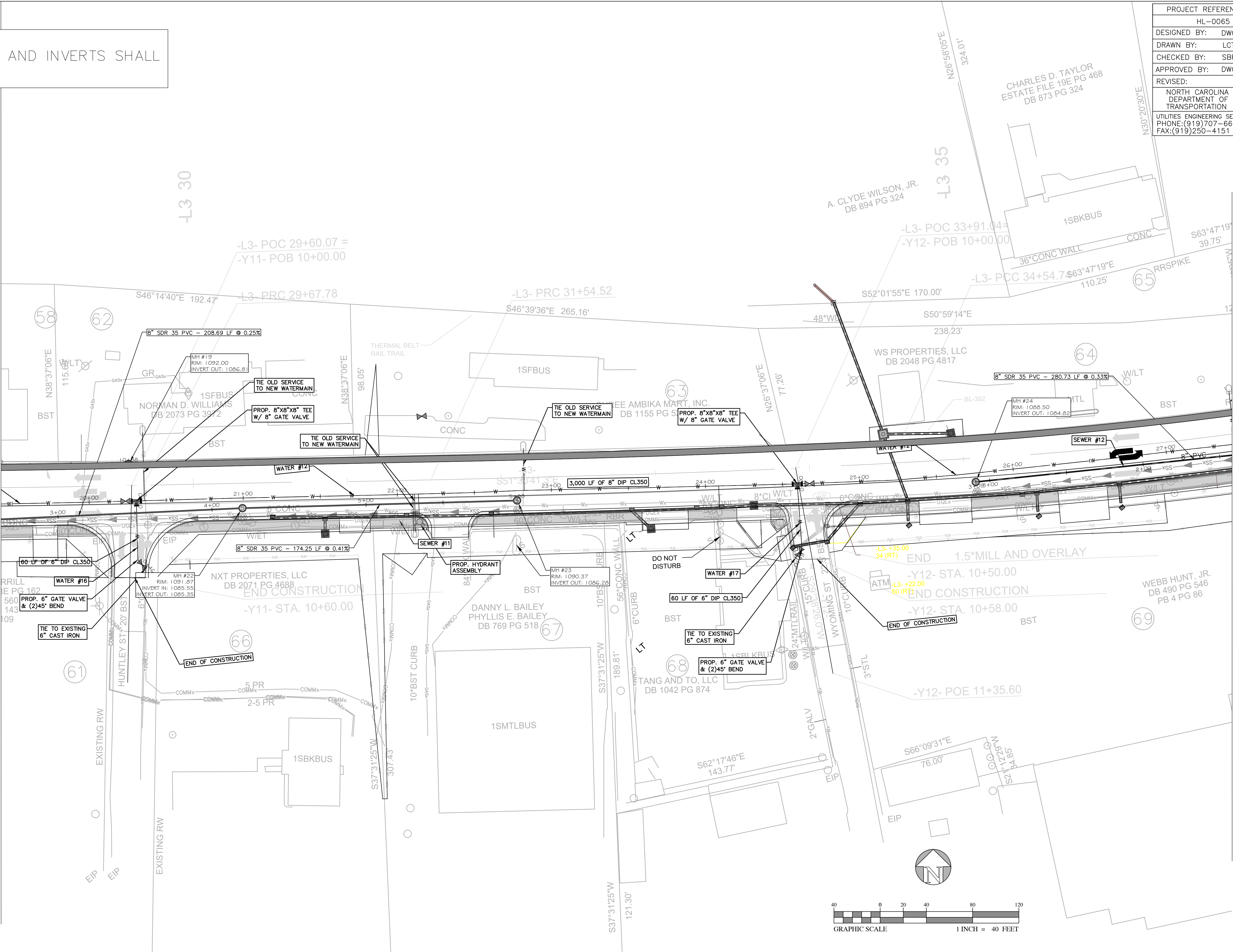
PROJECT REFERENCE NO.		SHEET NO.	
HL-0065		UC-16	
DESIGNED BY:	DWO	DAVID ODOM REGISTERED PROFESSIONAL ENGINEER SEAL 21130 DAVID ODOM 5/15/2026	PLANS ONLY
DRAWN BY:	LCT		
CHECKED BY:	SBR		
APPROVED BY:	DWO		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			



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PROJECT REFERENCE NO.		SHEET NO.
HL-0065		UC-17
DESIGNED BY:	DWO	DAVID ODOM PROFESSIONAL ENGINEER SEAL 21130 DAVID ODOM
DRAWN BY:	LCT	
CHECKED BY:	SBR	
APPROVED BY:	DWO	
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		5/15/2026
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151		PLANS ONLY

MATCH LINE -L3- STATION 29+00.00 SEE SHEET UC-16



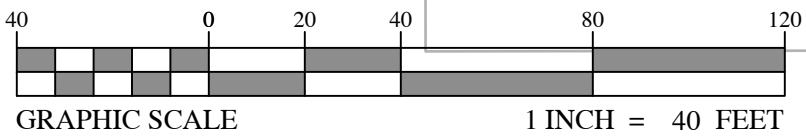
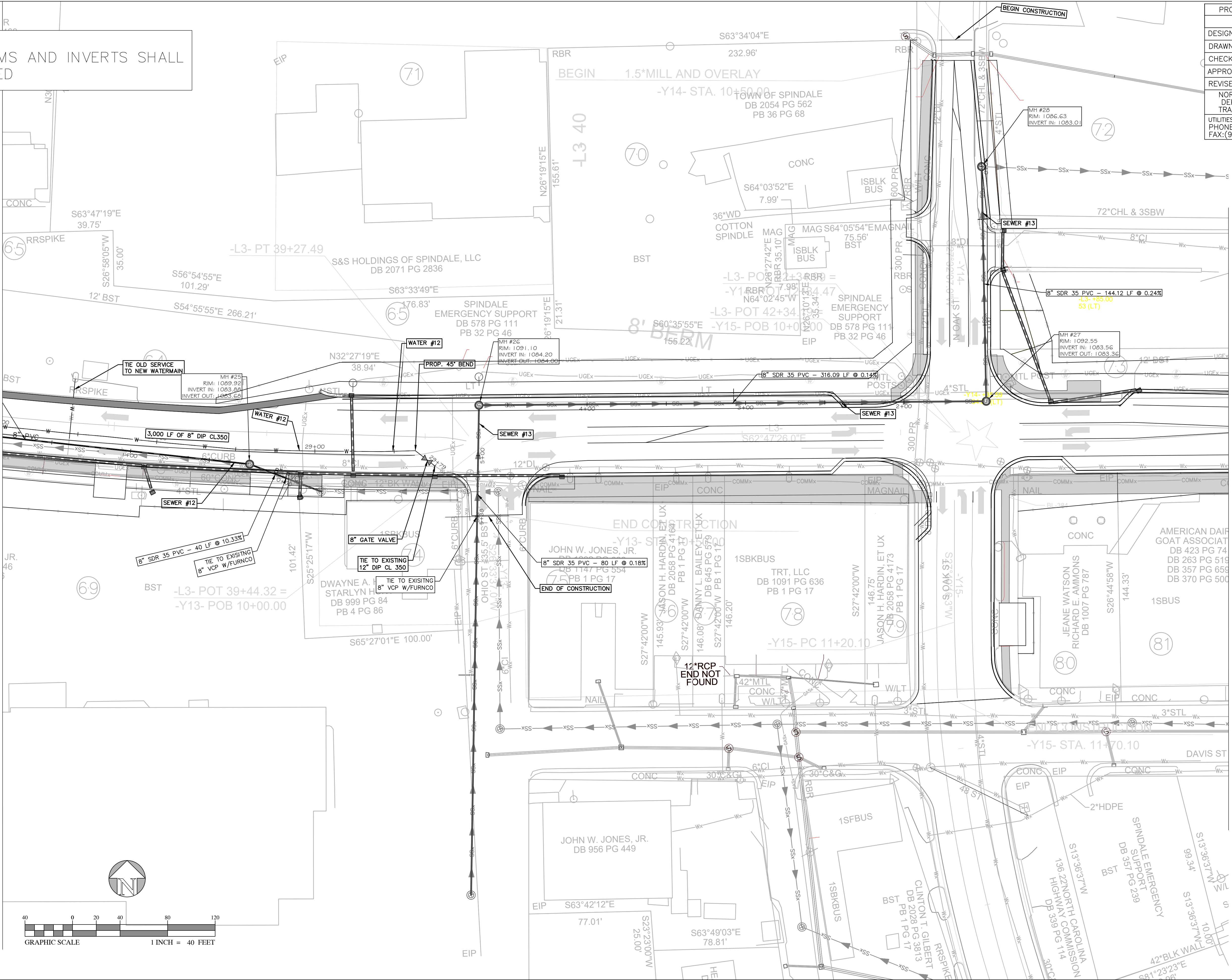
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NOTE:
ALL EXISTING RIMS AND INVERTS SHALL
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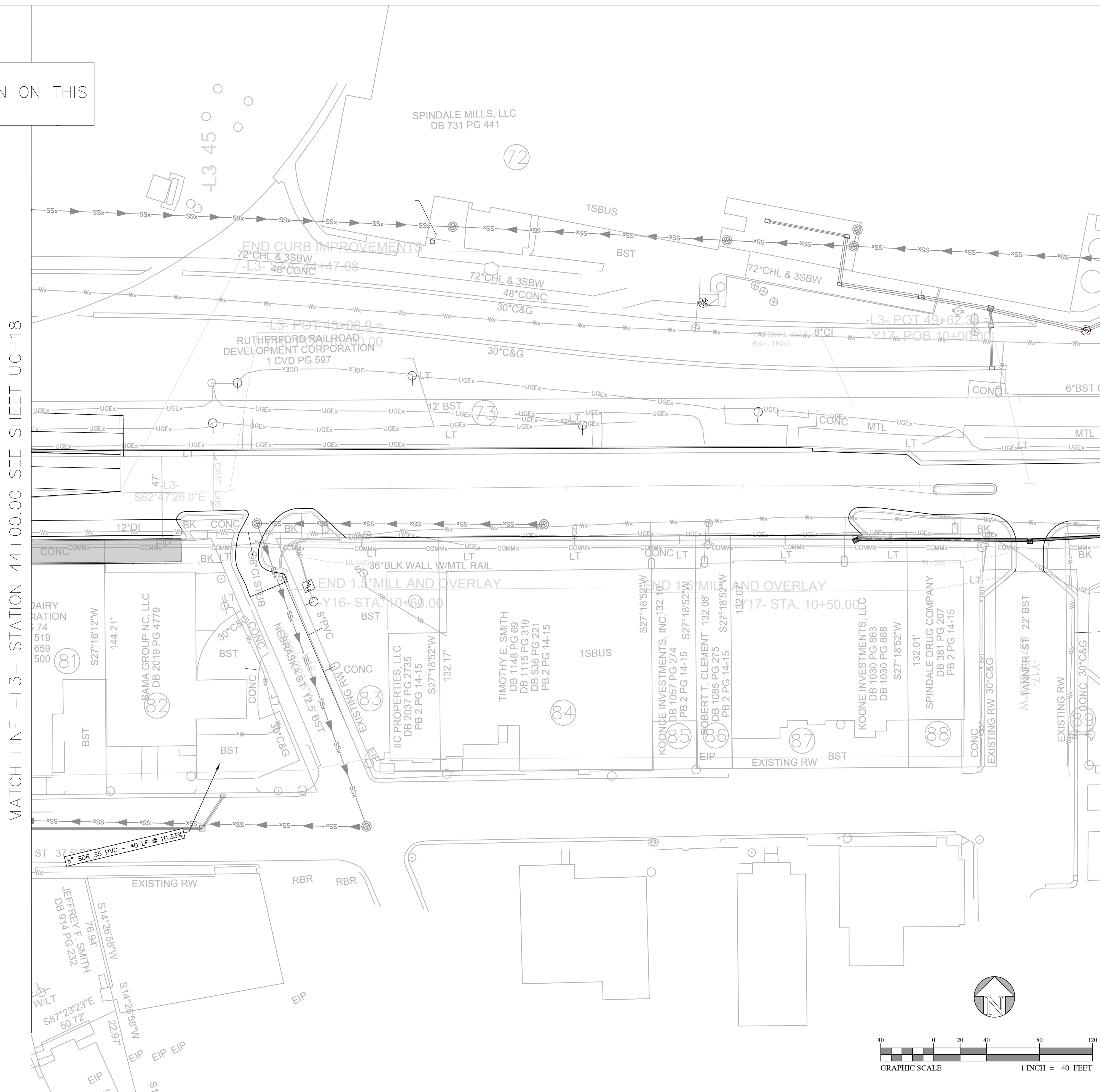
PROJECT REFERENCE NO.		SHEET NO.	
HL-0065		UC-18	
DESIGNED BY:	DWO	DAVID ODOM Professional Engineer SEAL 21130 ENGINEER DAVID ODOM	5/15/2026 PLANS ONLY
DRAWN BY:	LCT		
CHECKED BY:	SBR		
APPROVED BY:	DWO		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			

MATCH LINE -L3- STATION 36+50.00 SEE SHEET UC-17

MATCH LINE -L3- STATION 44+00.00 SEE SHEET UC-19

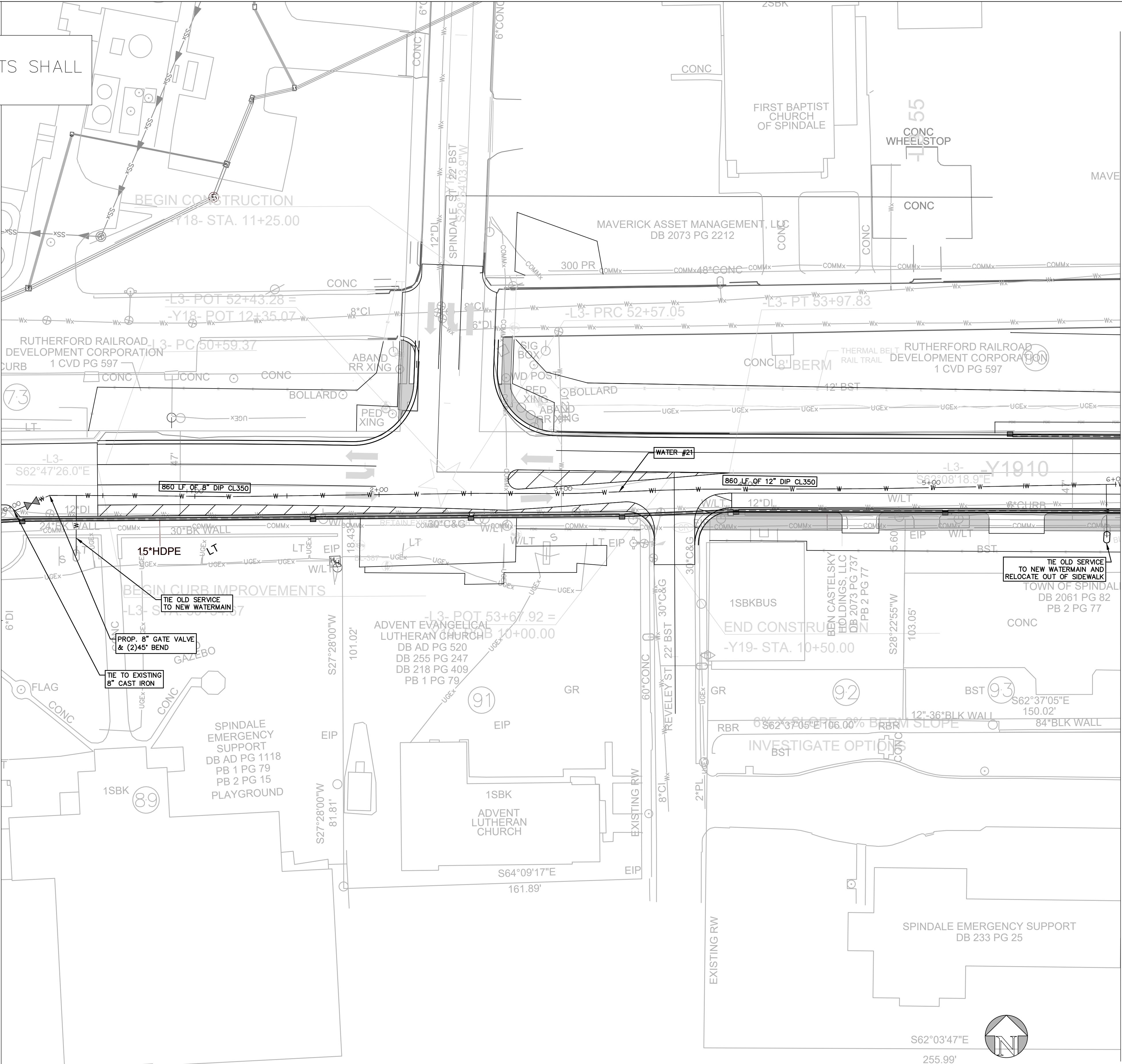


PROJECT REFERENCE NO.	SHEET NO.
HL-0065	UC-19
DESIGNED BY: DWO	
DRAWN BY: LCT	
CHECKED BY: SBR	
APPROVED BY: DWO	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
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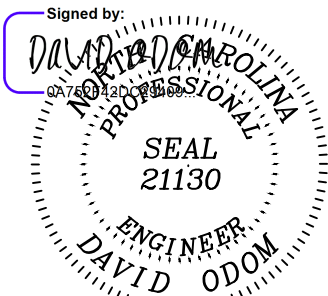
MATCH LINE -L3- STATION 50+00.00 SEE SHEET UC-19



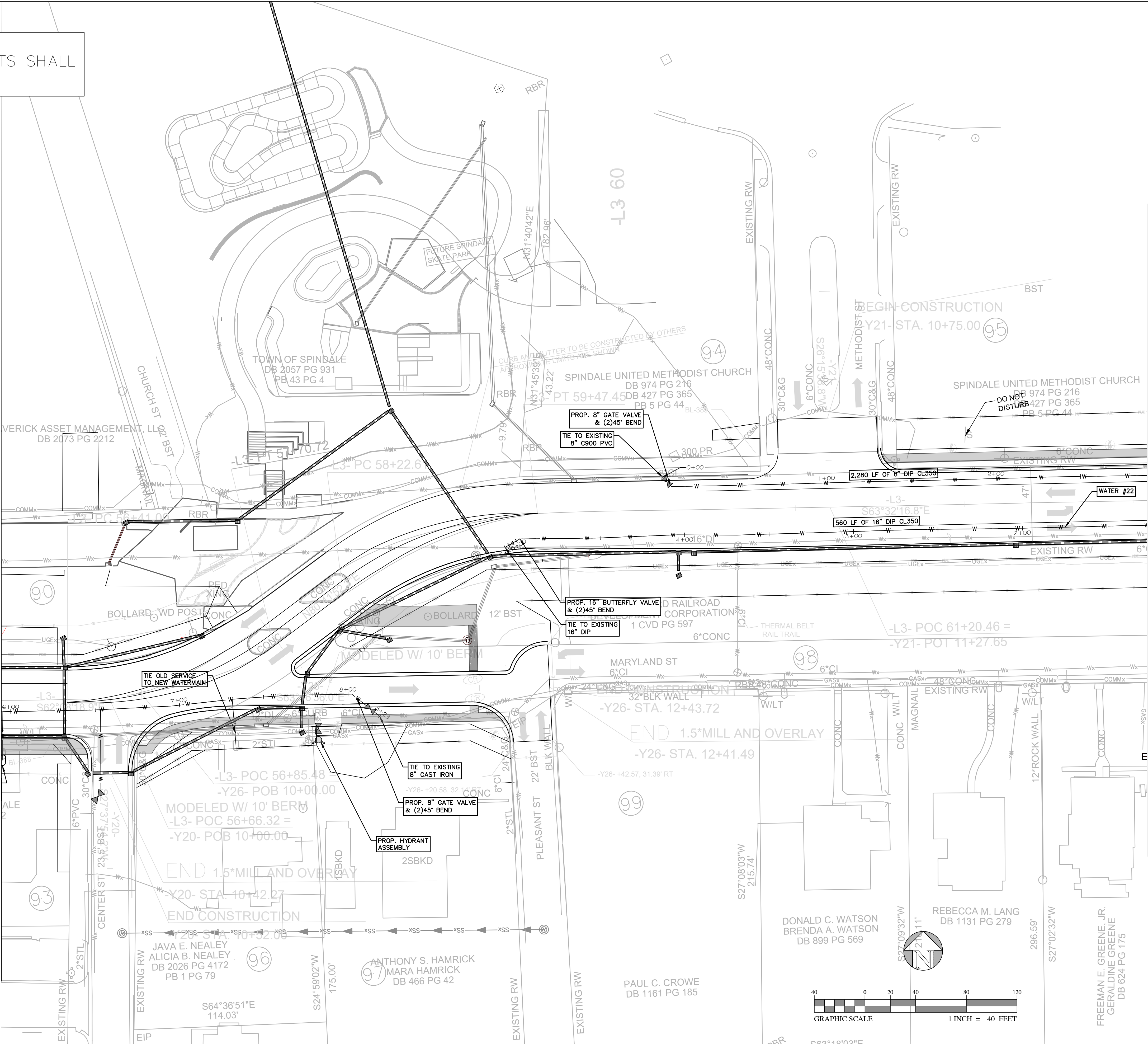
MATCH LINE -L3- STATION 56+00.00 SEE SHEET UC-21

PROJECT REFERENCE NO.		SHEET NO.	
HL-0065		UC-20	
DESIGNED BY: DWO	5/15/2026 DAVID ODOM Professional Engineer SEAL 21130 DAVID ODOM	PLANS ONLY	
DRAWN BY: LCT			
CHECKED BY: SBR			
APPROVED BY: DWO			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			

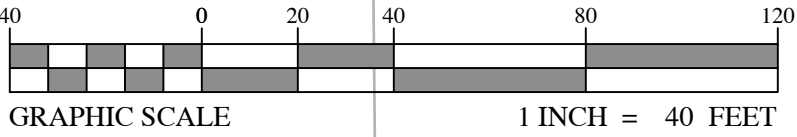
NOTE:
ALL EXISTING RIMS AND INVERTS SHALL
BE FIELD VERIFIED

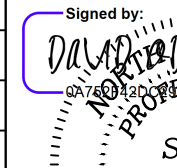
PROJECT REFERENCE NO.		SHEET NO.	
HL-0065		UC-21	
DESIGNED BY:	DWO	Signed by: 	PLANS ONLY
DRAWN BY:	LCT		
CHECKED BY:	SBR		
APPROVED BY:	DWO		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		5/15/2026	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			

MATCH LINE -L3- STATION 56+00.00 SEE SHEET UC-20

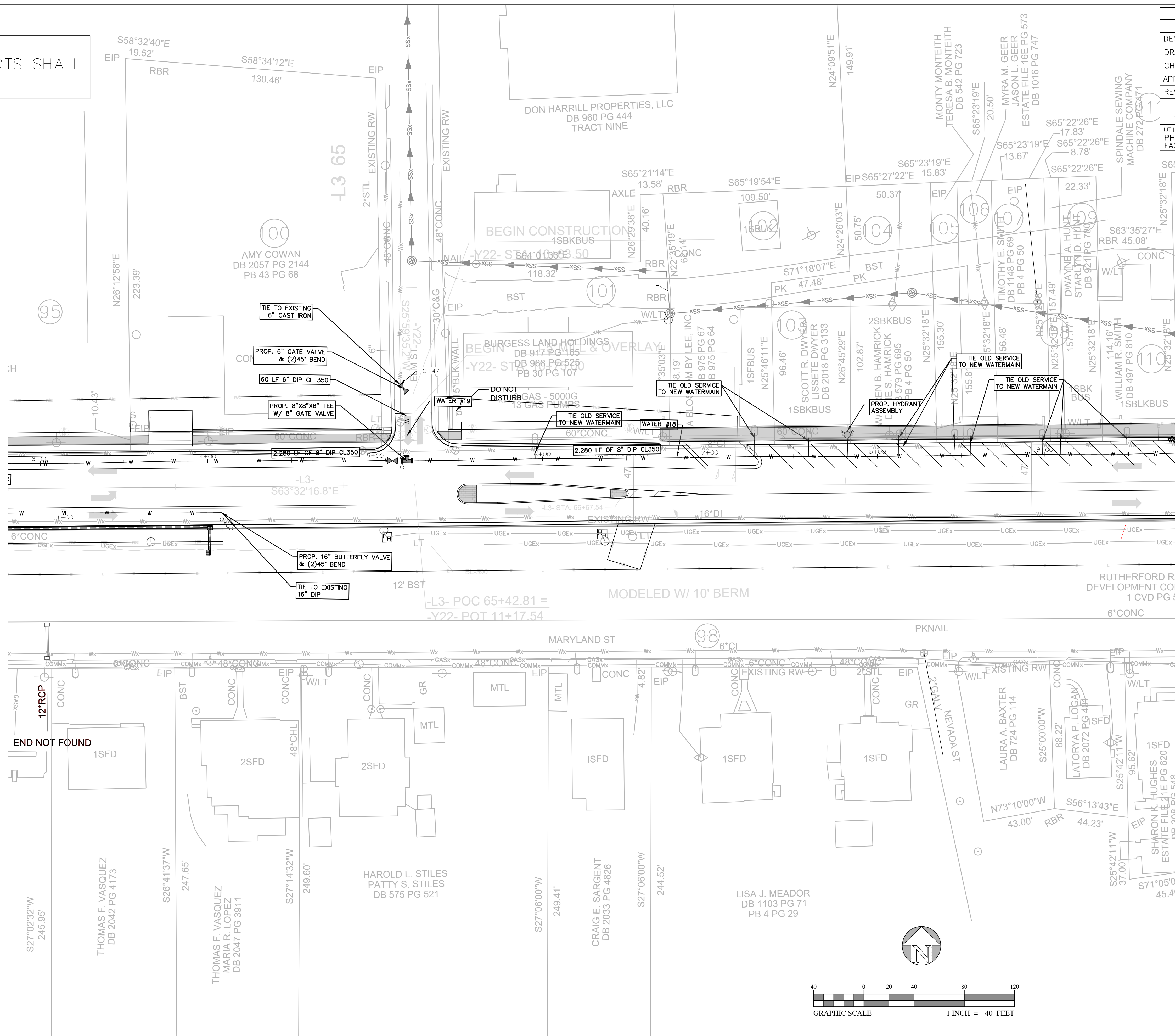


MATCH LINE -L3- STATION 63+00.00 SEE SHEET UC-22

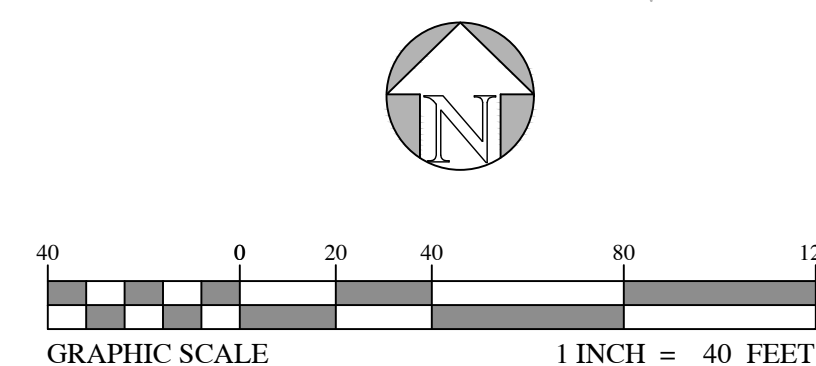


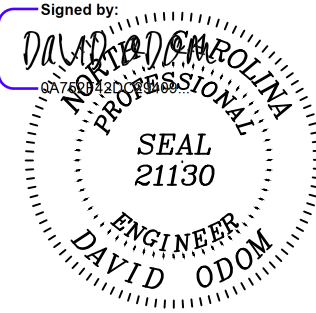
PROJECT REFERENCE NO.	SHEET NO.
HL-0065	UC-22
DESIGNED BY: DWO	
DRAWN BY: LCT	
CHECKED BY: SBR	
APPROVED BY: DWO	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	

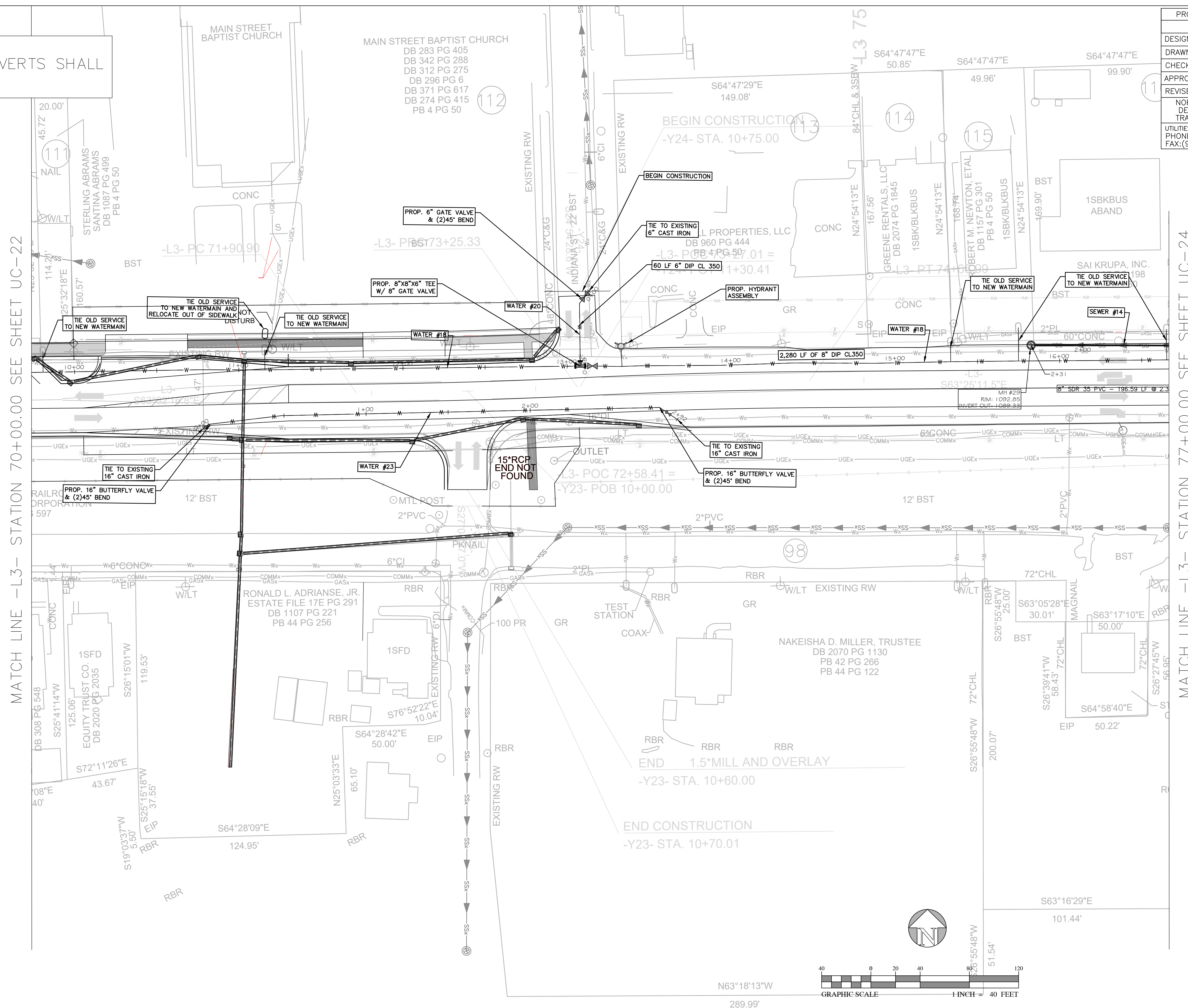
MATCH LINE -L3- STATION 63+00.00 SEE SHEET UC-21



MATCH LINE - L3- STATION 70+00.00 SEE SHEET UC-23



PROJECT REFERENCE NO.	SHEET NO.
HL-0065	UC-23
DESIGNED BY: DWO	
DRAWN BY: LCT	
CHECKED BY: SBR	
APPROVED BY: DWO	
REVISED:	
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151	



NOTE:
ALL EXISTING RIMS AND INVERTS SHALL
BE FIELD VERIFIED

PROJECT REFERENCE NO.		SHEET NO.	
HL-0065		UC-24	
DESIGNED BY: DWO	Signed by: DAVID ODOM Professional Engineer SEAL 21130 DAVID ODOM ENGINEER	5/15/2026 PLANS ONLY	
DRAWN BY: LCT			
CHECKED BY: SBR			
APPROVED BY: DWO			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE: (919) 707-6690 FAX: (919) 250-4151			

MATCH LINE -L3- STATION 77+00.00 SEE SHEET UC-23

BEGIN CONSTRUCTION

-Y25- STA. 10+89.50

BEGIN 1.5" MILL AND OVERLAY

-Y25- STA. 11+00.00

BEGIN CONSTRUCTION

TIE OLD SERVICE
TO NEW WATERMAIN

TIE OLD SERVICE
TO NEW WATERMAIN

TIE OLD SERVICE
TO NEW WATERMAIN

TIE OLD SERVICE
TO NEW WATERMAIN

END CONSTRUCTION

PROP. 8" GATE VALVE
& (2) 45' BEND

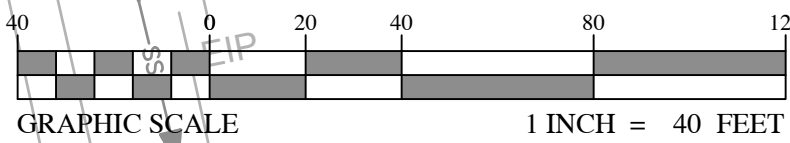
TIE TO EXISTING
8" CAST IRON

END TIP PROJECT HL-0065

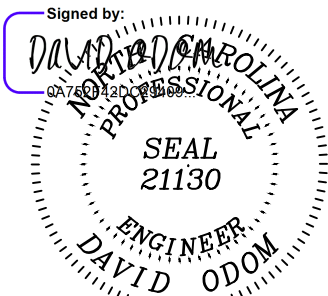
-L3- STA. 81+83.83

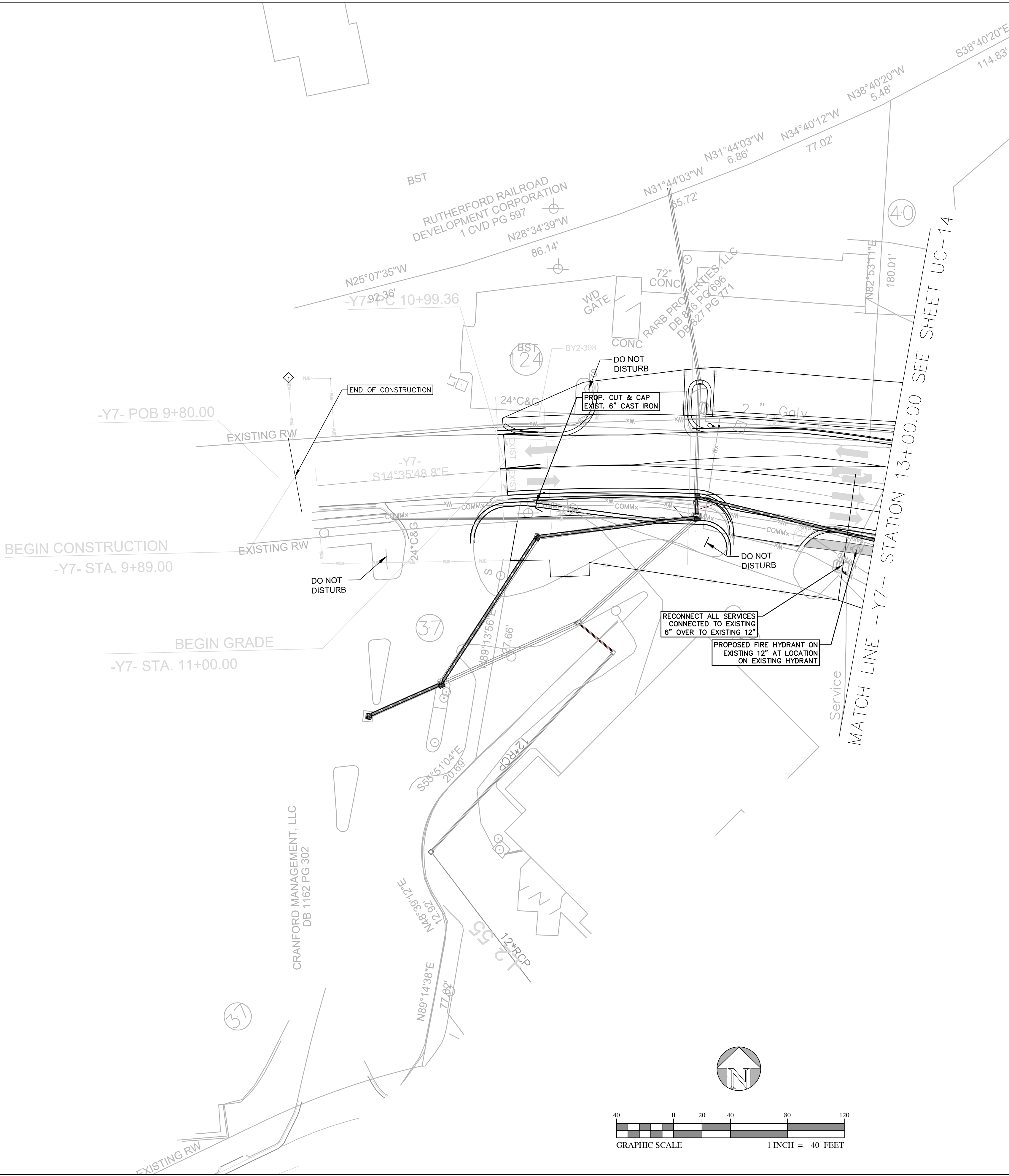
SPINDALE EMERGENCY SUPPORT
DB 687 PG 32
DB 661 PG 11

END NOT
FOUND



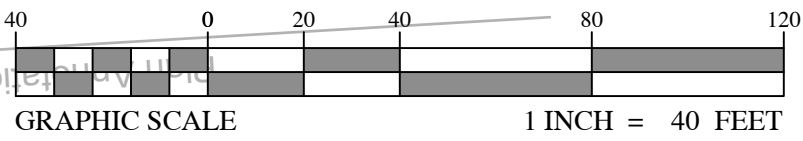
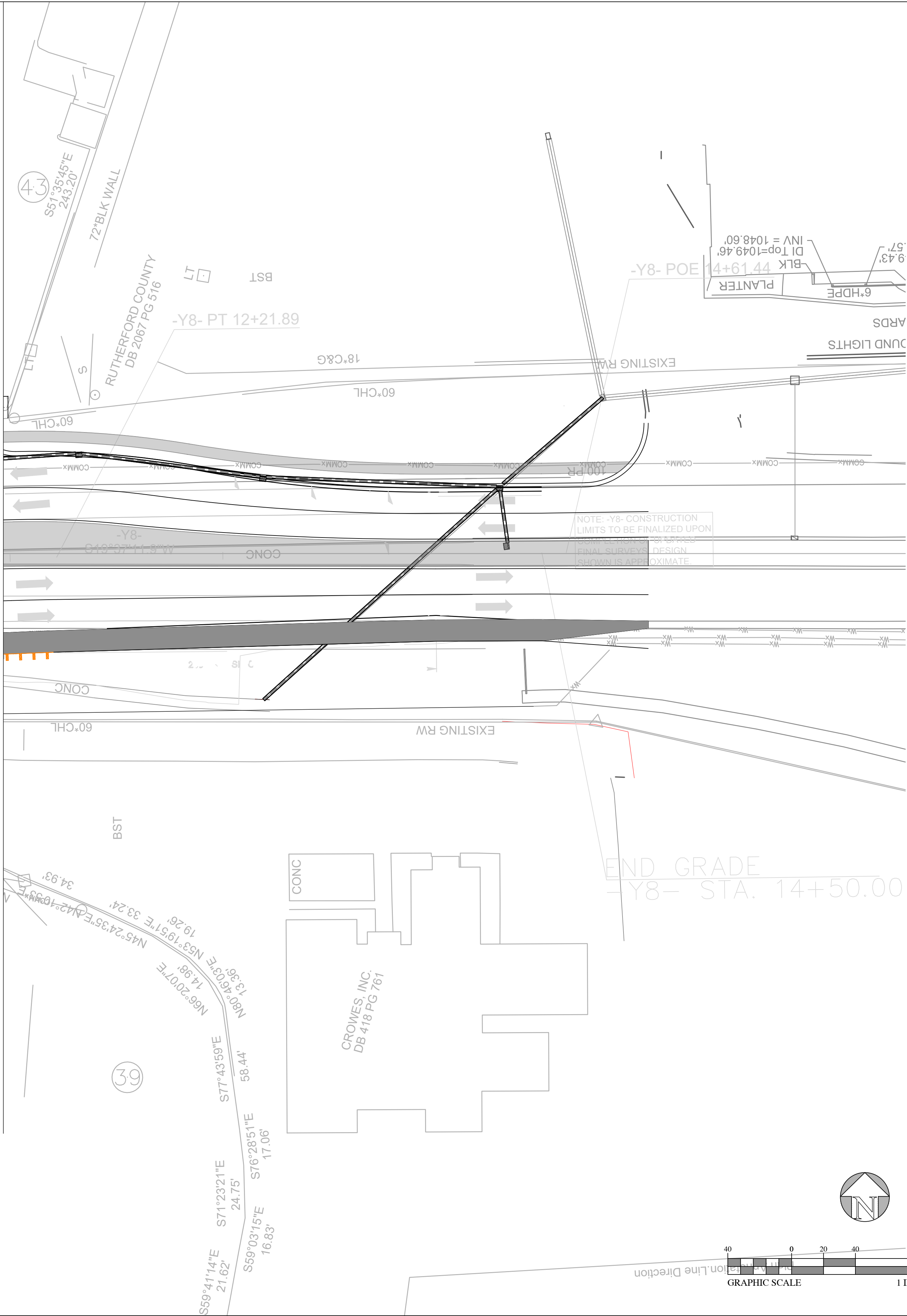
NOTE:
ALL EXISTING RIMS AND INVERTS SHALL
BE FIELD VERIFIED

PROJECT REFERENCE NO.		SHEET NO.	
HL-0065		UC-25	
DESIGNED BY: DWO	Signed by: 	5/15/2026	PLANS ONLY
DRAWN BY: LCT			
CHECKED BY: SBR			
APPROVED BY: DWO			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151			

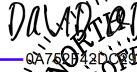


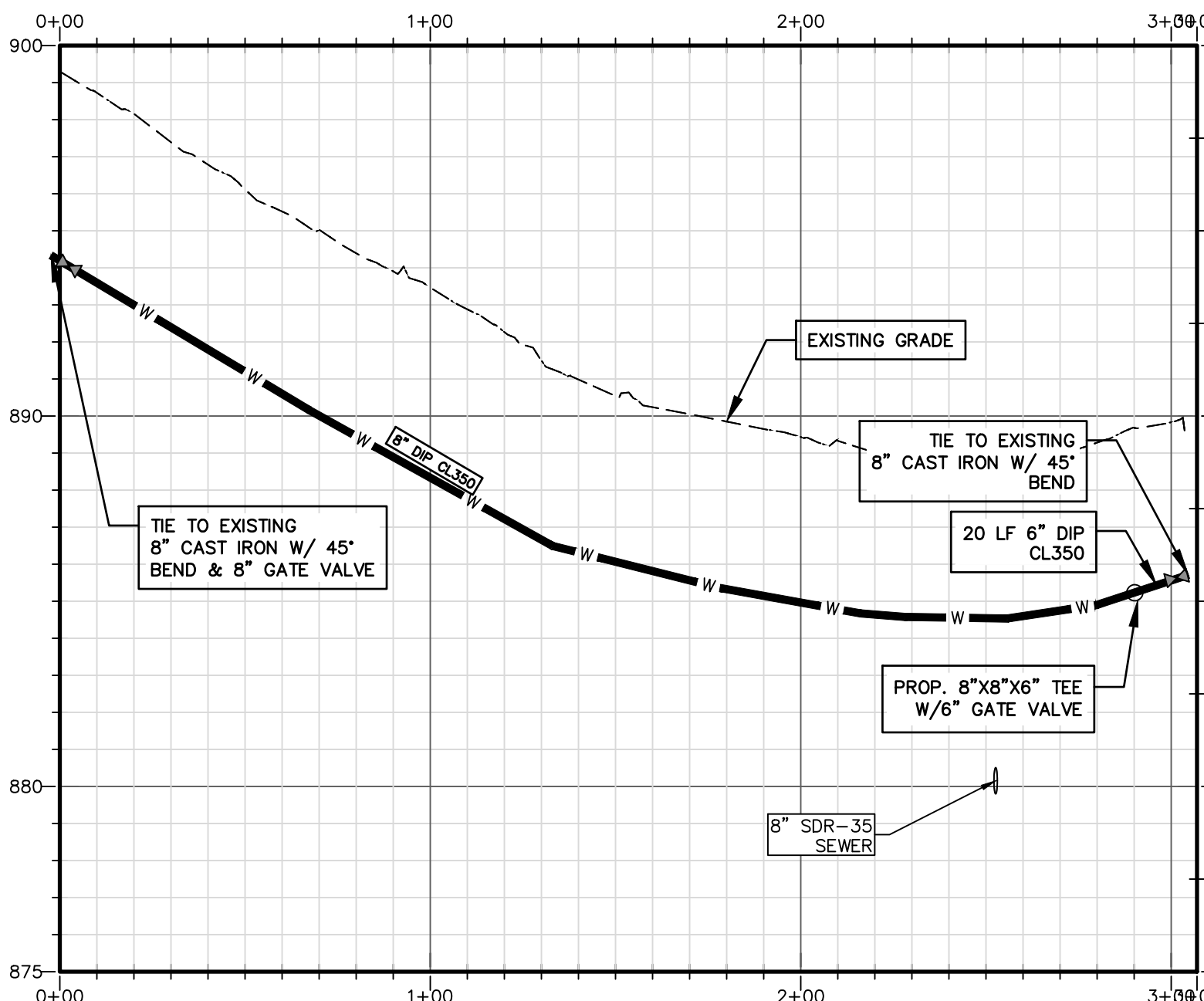
NOTE:
ALL EXISTING RIMS AND INVERTS SHALL
BE FIELD VERIFIED

MATCH LINE -Y8- STATION 12+00.00 SEE SHEET UC-14



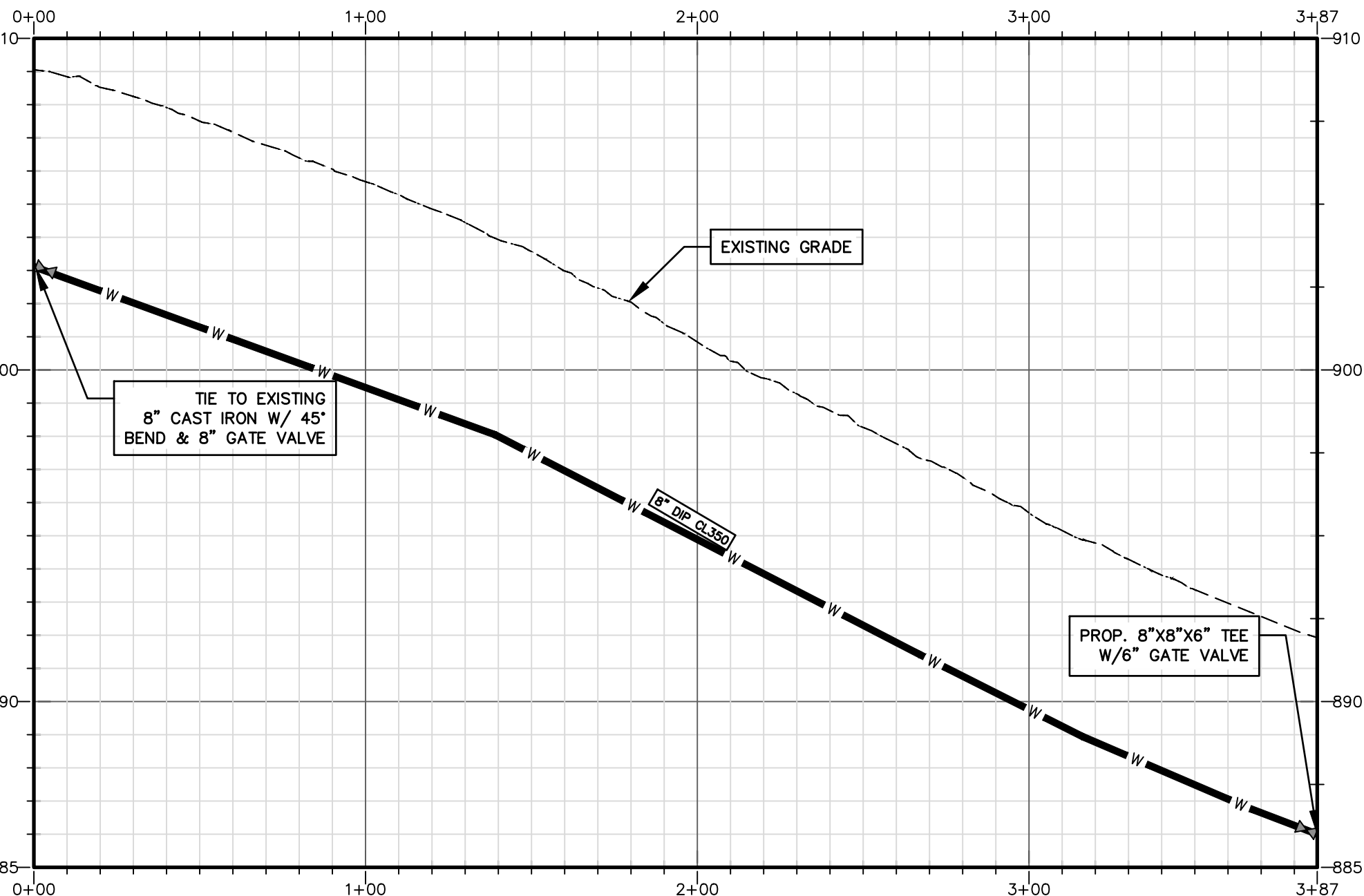
PROJECT REFERENCE NO.		SHEET NO.	
HL-0065		UC-26	
DESIGNED BY:	DWO	DAVID ODOM Professional Engineer SEAL 21130 DAVID ODOM	5/15/2026
DRAWN BY:	LCT		
CHECKED BY:	SBR		
APPROVED BY:	DWO		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151			
		PLANS ONLY	

PROJECT REFERENCE NO.		SHEET NO.	
HL-0065		UC-27	
DESIGNED BY: DWO	Signed by:  DAVID ODOM Professional Engineer SEAL 21130 DAVID ODOM	5/15/2026	PLANS ONLY
DRAWN BY: LCT			
CHECKED BY: SBR			
APPROVED BY: DWO			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151			



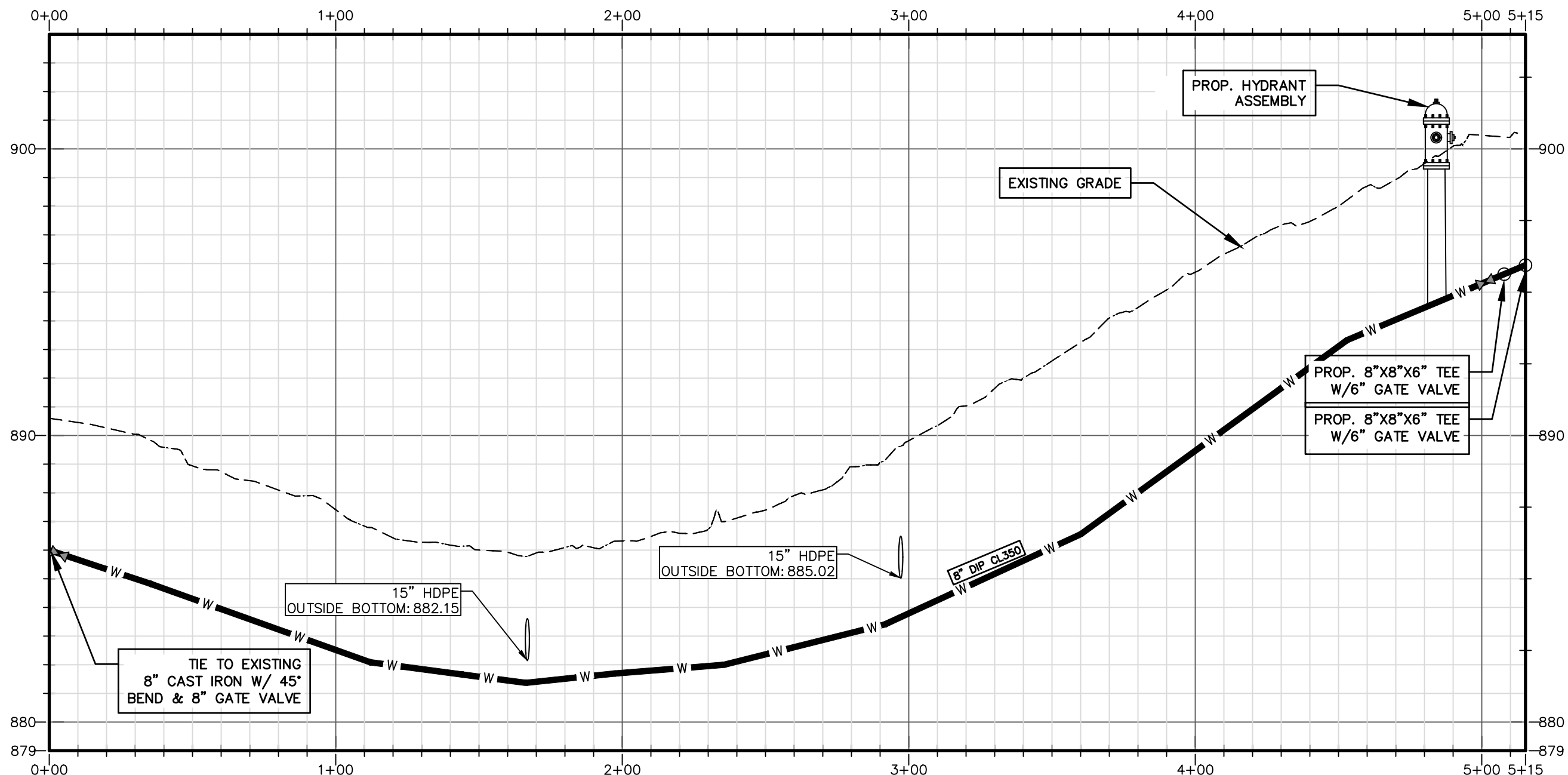
WATER 1

STA 0+00 TO STA 3+07
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



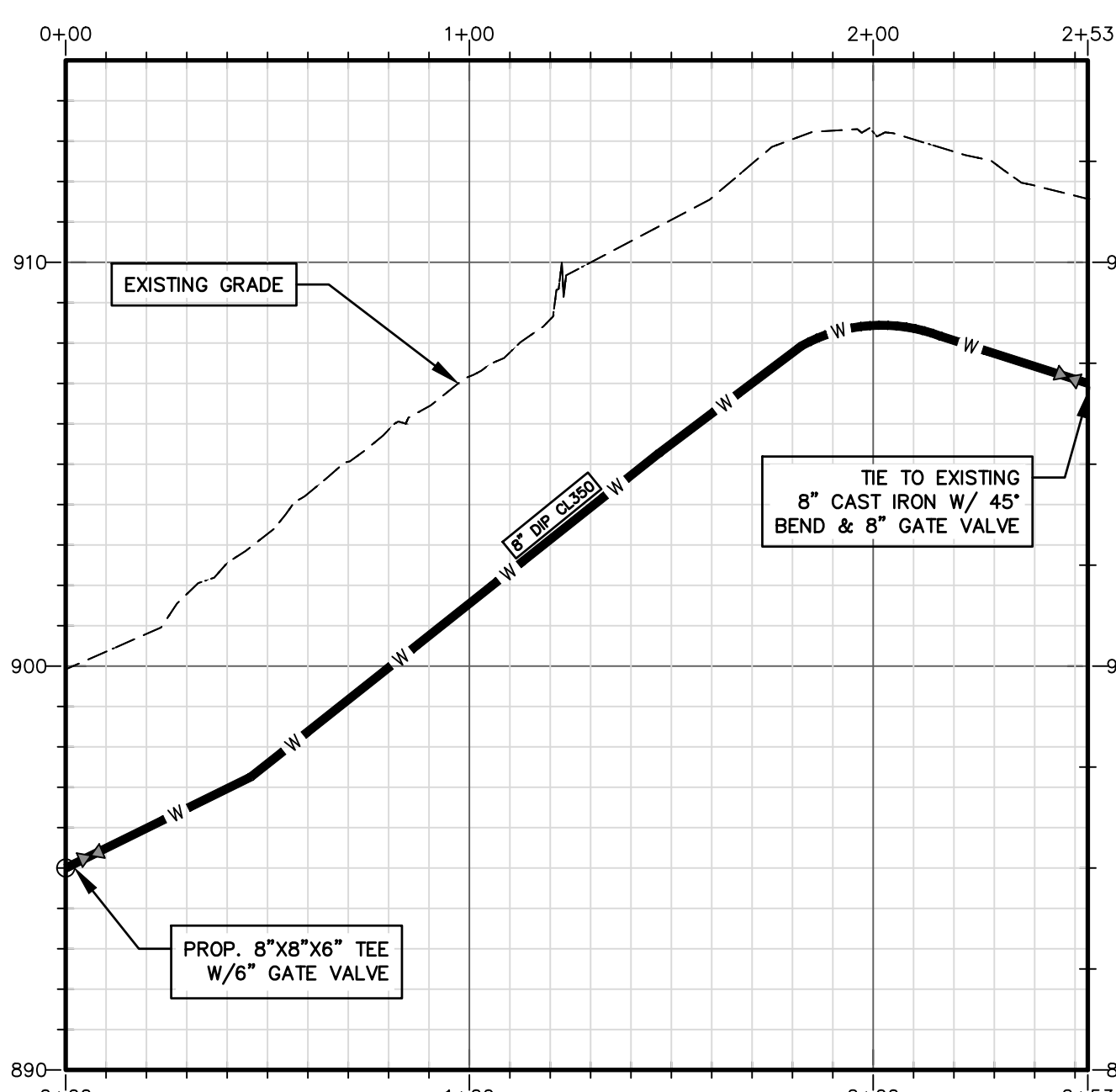
WATER 2

STA 0+00 TO STA 3+87
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



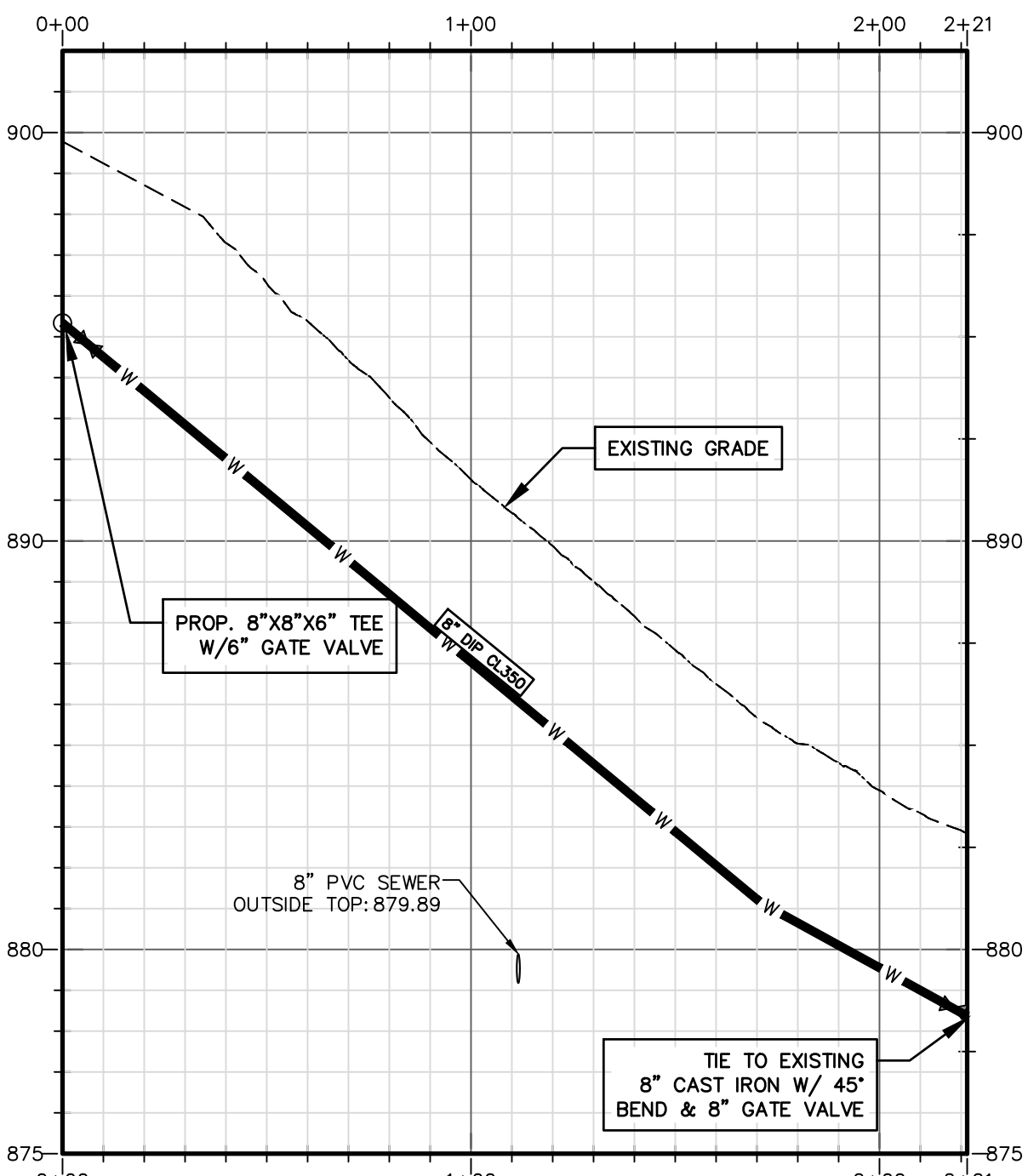
WATER 4

STA 0+00 TO STA 5+15
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



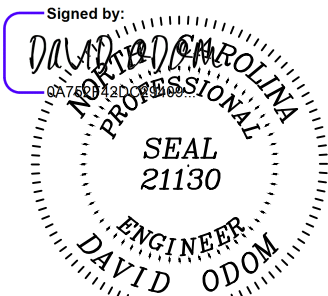
WATER 5

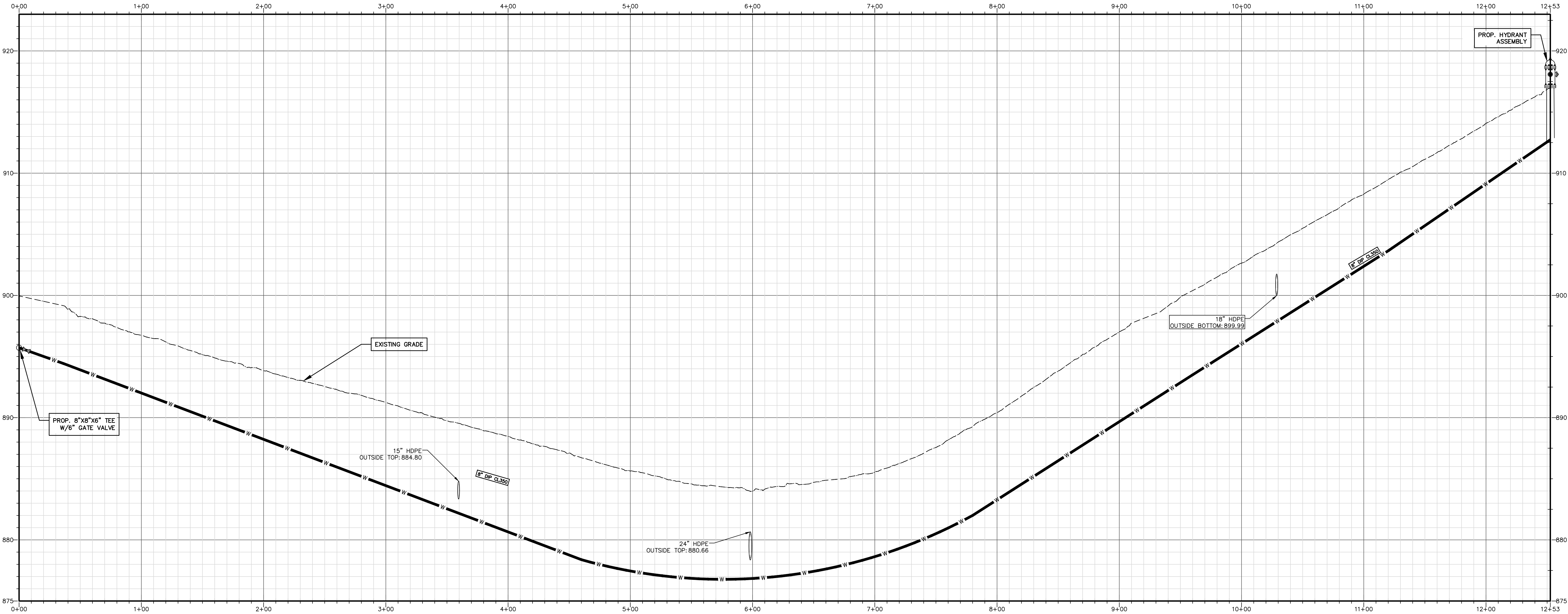
STA 0+00 TO STA 2+53
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



WATER 6

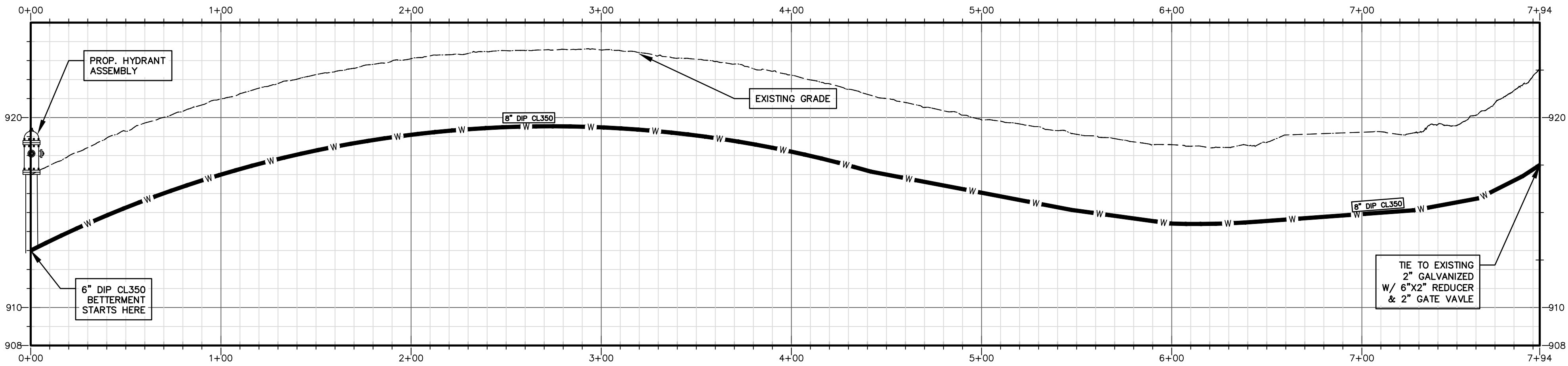
STA 0+00 TO STA 2+21
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)

PROJECT REFERENCE NO.		SHEET NO.	
HL-0065		UC-28	
DESIGNED BY:	DWO	Signed by:  DAVID ODOM ENGINEER	
DRAWN BY:	LCT		
CHECKED BY:	SBR		
APPROVED BY:	DWO		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		5/15/2026	PLANS ONLY
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151			



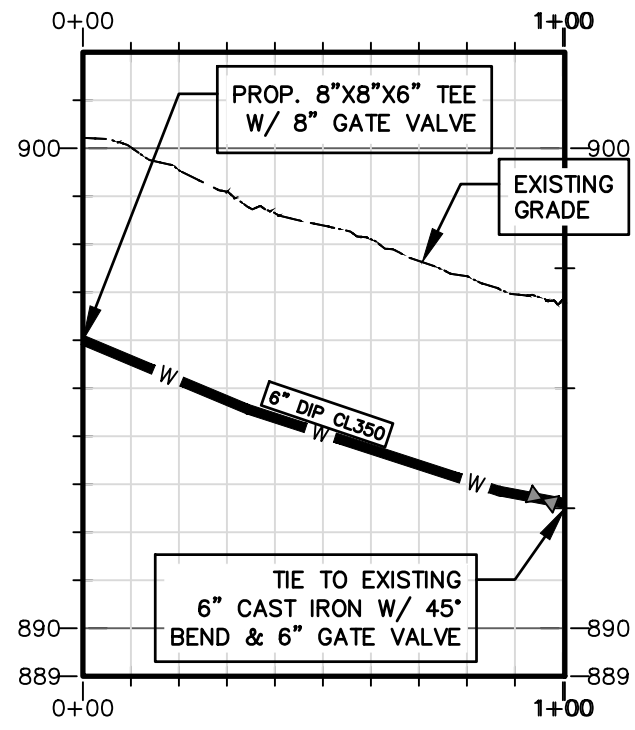
WATER 7
STA 0+00 TO STA 12+53
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)

PROJECT REFERENCE NO.		SHEET NO.	
HL-0065		UC-29	
DESIGNED BY:	DWO	Signed by:  NOT A PROFESSIONAL SEAL SEAL 21130 ENGINEER DAVID ODOM	5/15/2026 PLANS ONLY
DRAWN BY:	LCT		
CHECKED BY:	SBR		
APPROVED BY:	DWO		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151			



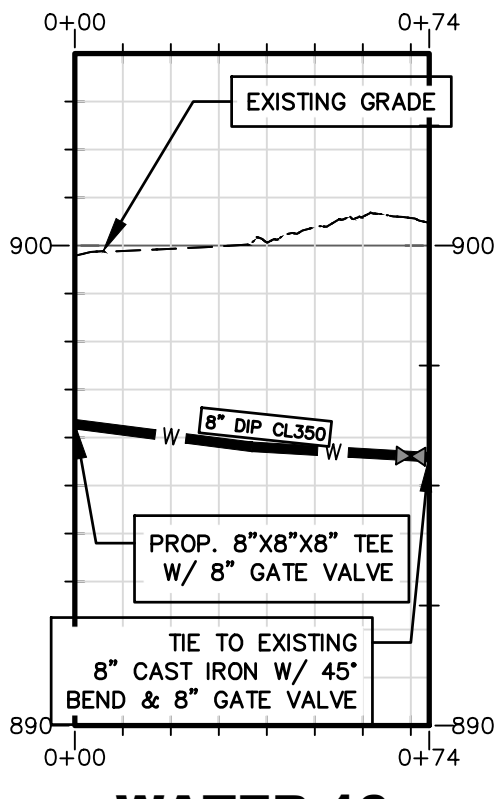
WATER 8

STA 0+00 TO STA 7+94
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



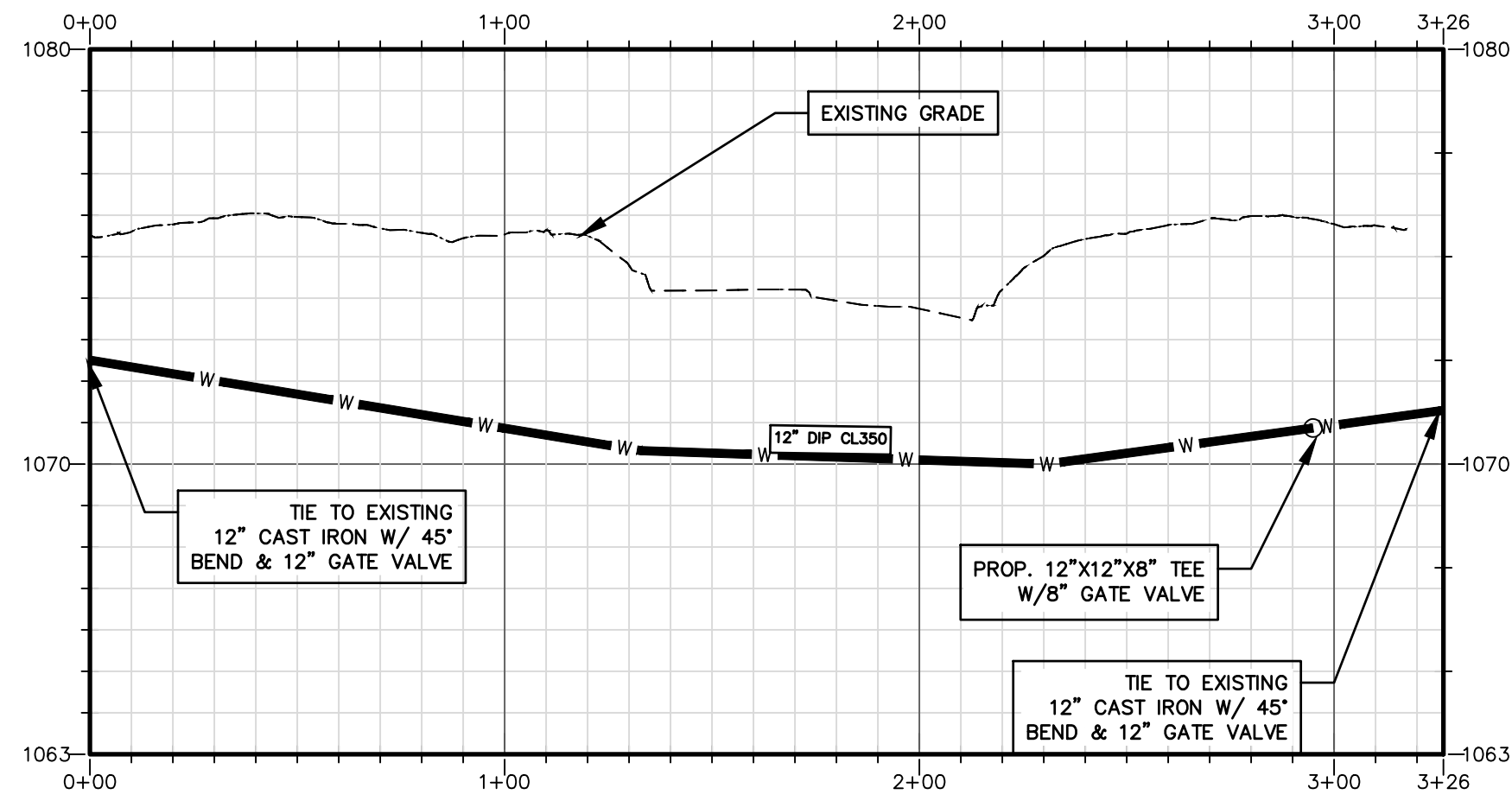
WATER 9

STA 0+00 TO STA 1+00
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



WATER 10

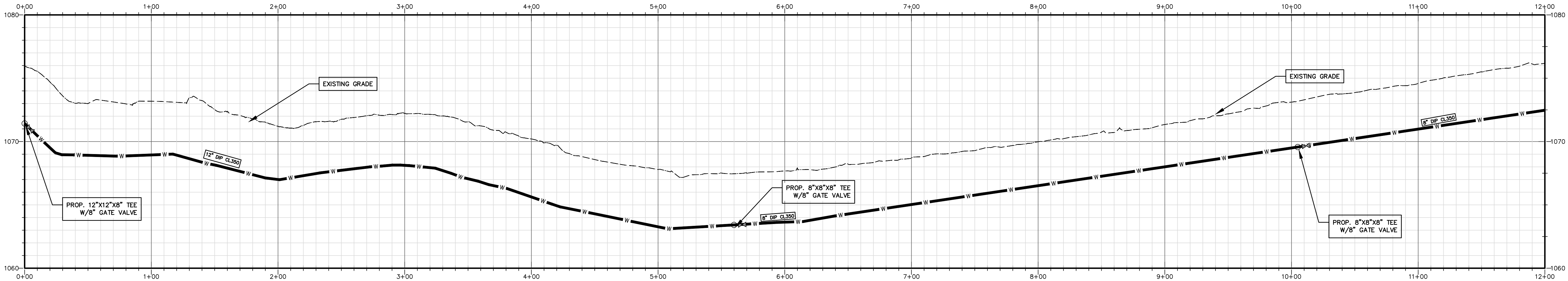
STA 0+00 TO STA 0+74
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



WATER 11

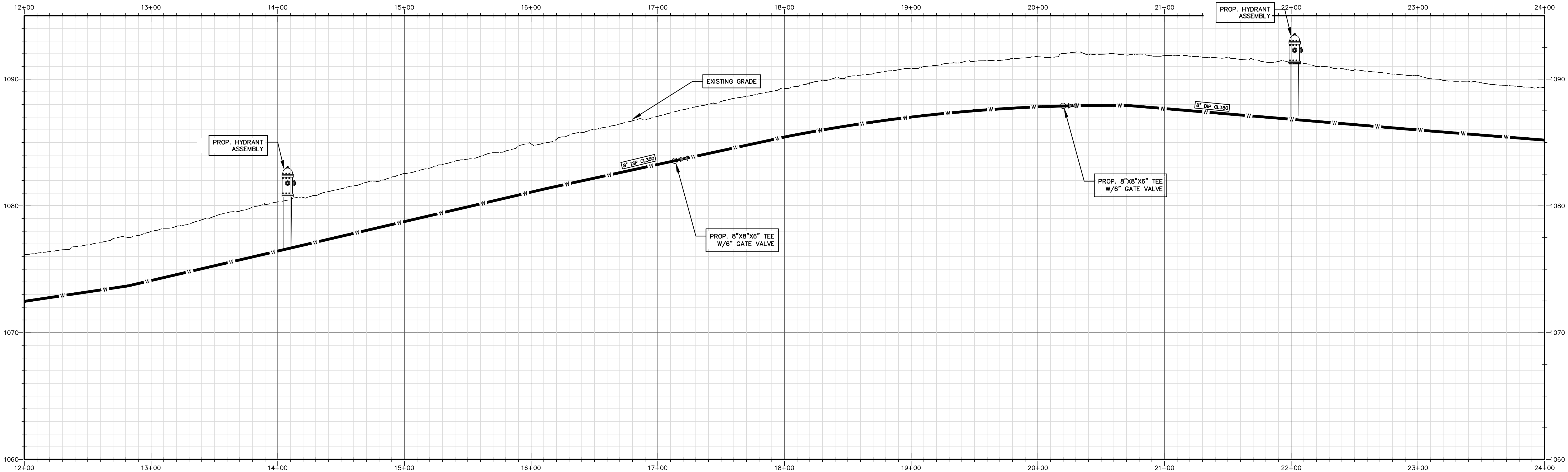
STA 0+00 TO STA 3+26
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)

PROJECT REFERENCE NO.		SHEET NO.		
HL-0065		UC-30		
DESIGNED BY: DWO	Signed by: DAVID ODOM PROFESSIONAL ENGINEER SEAL 21130 DAVID ODOM			
DRAWN BY: LCT				
CHECKED BY: SBR				
APPROVED BY: DWO				
REVISED:	5/15/2026 PLANS ONLY			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION				
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151				



WATER 12

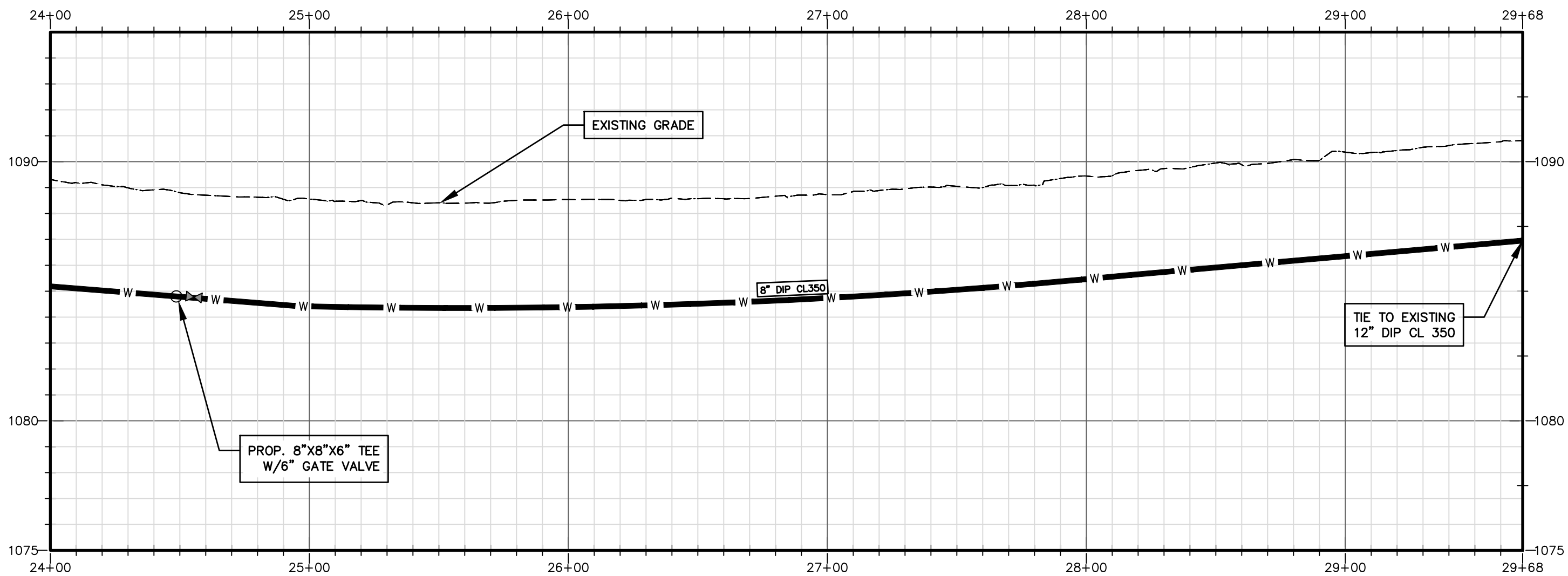
STA 0+00 TO STA 12+00
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



WATER 12

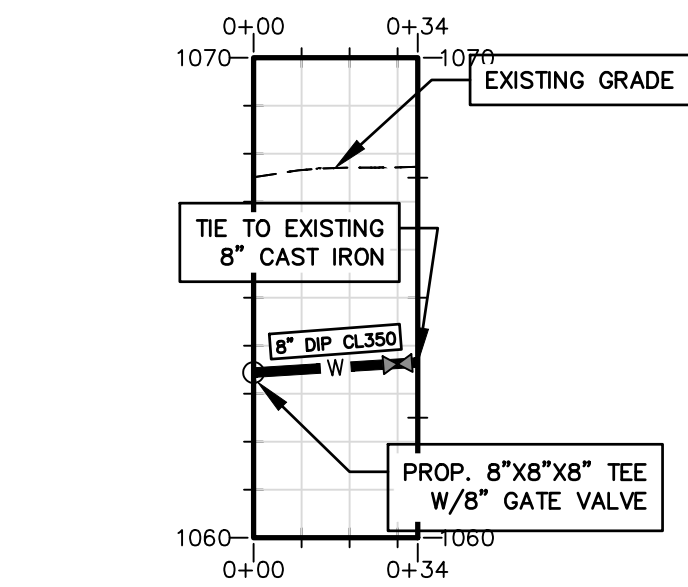
STA 12+00 TO STA 24+00
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)

PROJECT REFERENCE NO.		SHEET NO.	
HL-0065		UC-31	
DESIGNED BY:	DWO	Signed by:  DAVID ODOM Professional Engineer SEAL 21130 ENGINEER DAVID ODOM	5/15/2026 PLANS ONLY
DRAWN BY:	LCT		
CHECKED BY:	SBR		
APPROVED BY:	DWO		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151			



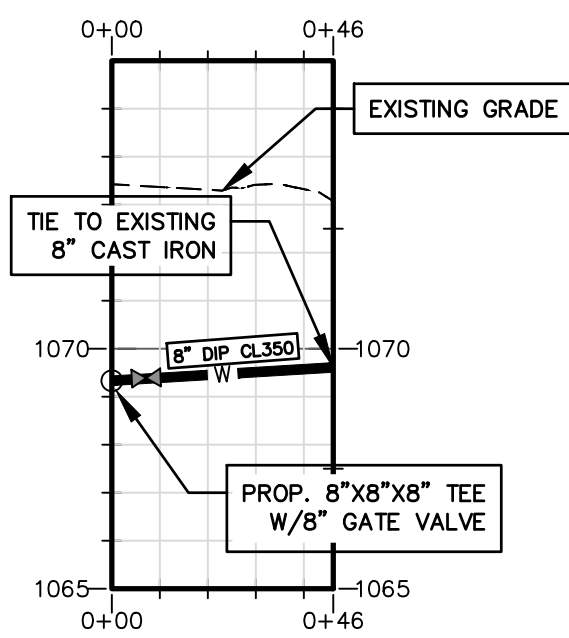
WATER 12

STA 24+00 TO STA 29+68
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



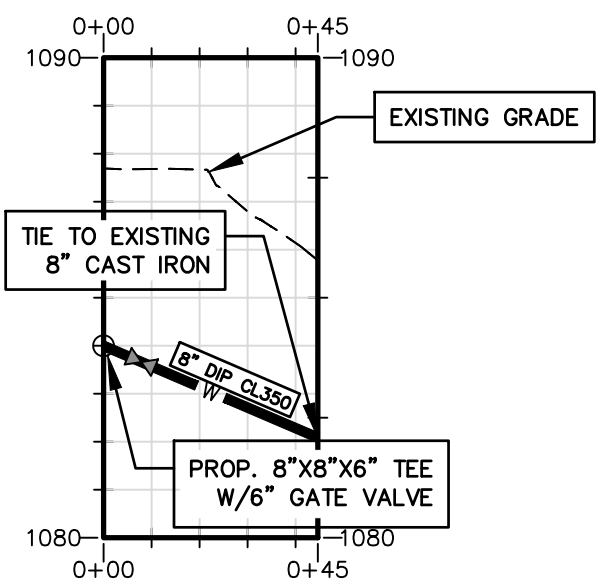
WATER 13

STA 0+00 TO STA 0+34
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



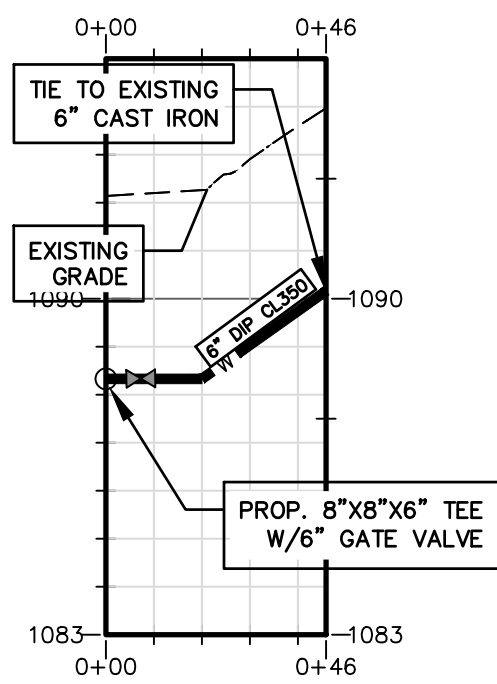
WATER 14

STA 0+00 TO STA 0+46
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



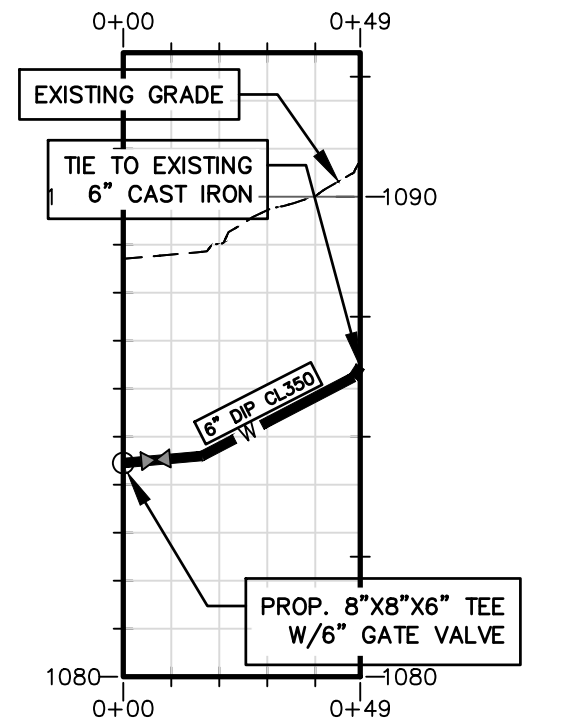
WATER 15

STA 0+00 TO STA 0+45
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



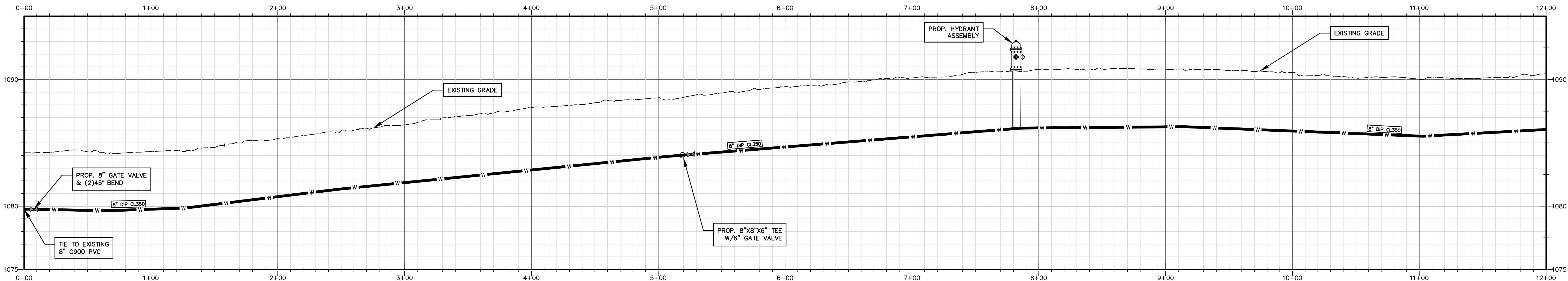
WATER 16

STA 0+00 TO STA 0+46
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



WATER 17

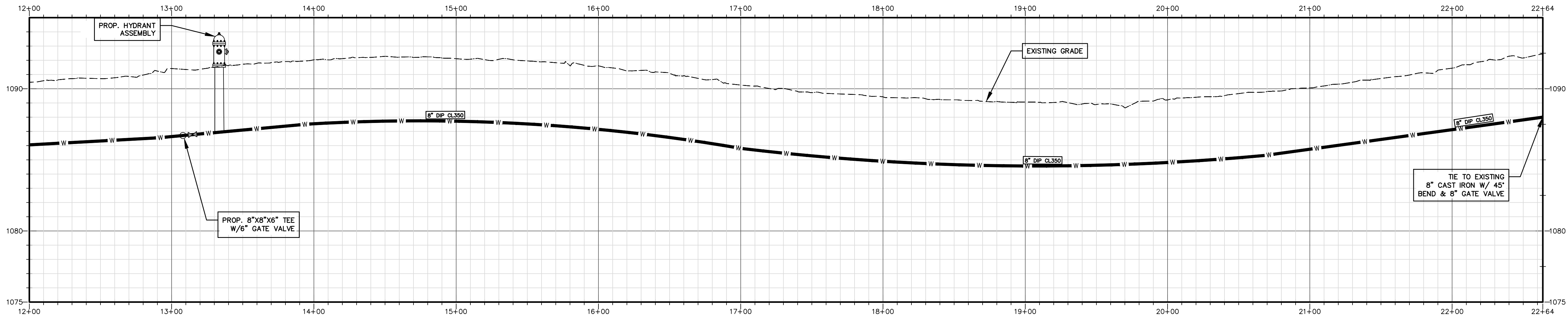
STA 0+00 TO STA 0+49
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



WATER 18

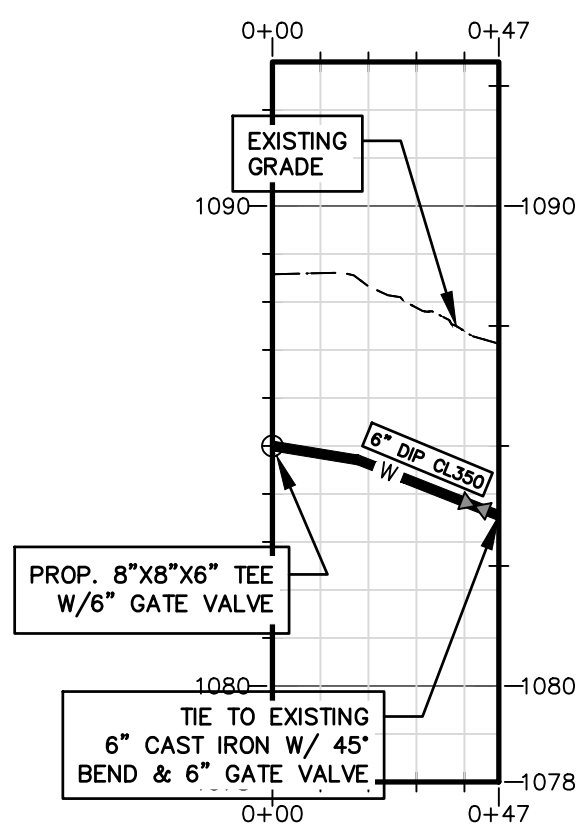
STA 0+00 TO STA 12+00
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)

PROJECT REFERENCE NO.		SHEET NO.	
HL-0065		UC-32	
DESIGNED BY: DWO	Signed by: DAVID ODOM Professional Engineer SEAL 21130 ENGINEER DAVID ODOM		
DRAWN BY: LCT			
CHECKED BY: SBR			
APPROVED BY: DWO			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		5/15/2026	
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151		PLANS ONLY	



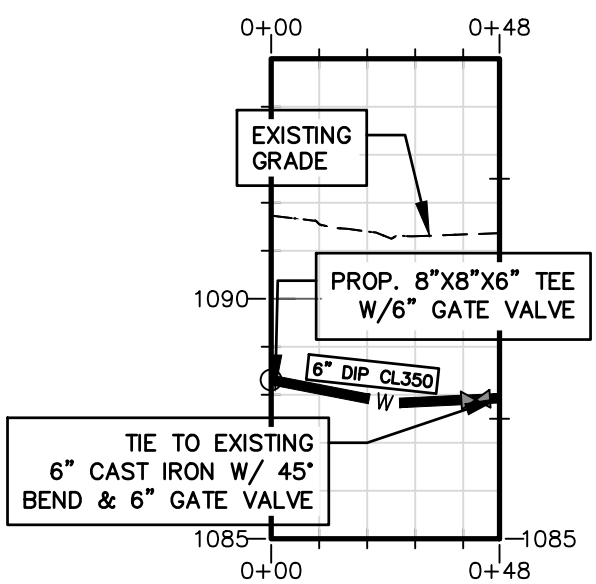
WATER 18

STA 12+00 TO STA 22+64
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



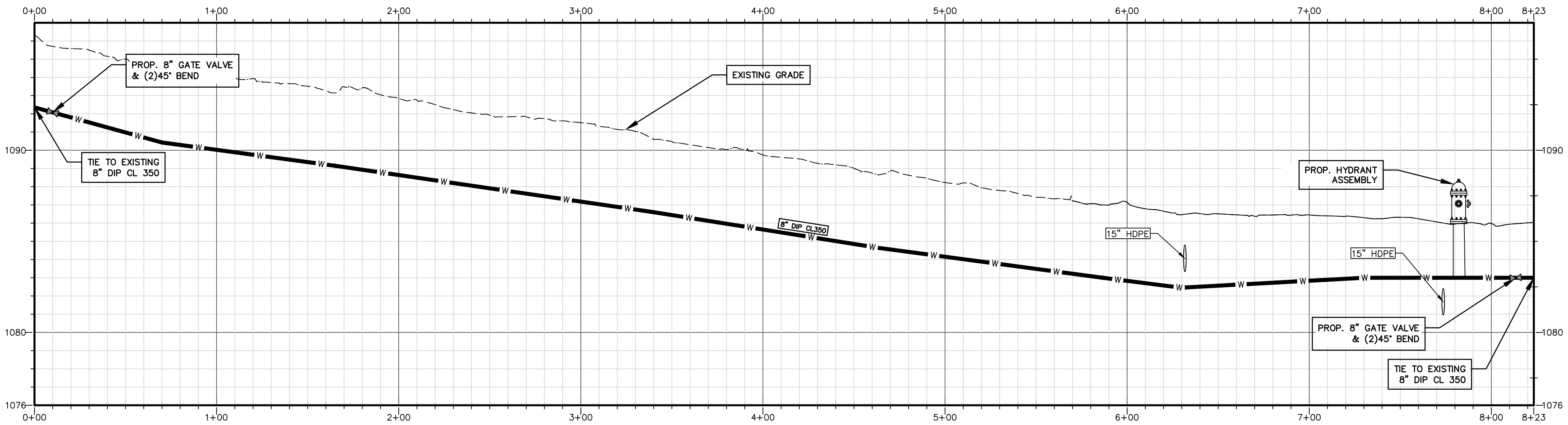
WATER 19

STA 0+00 TO STA 0+47
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



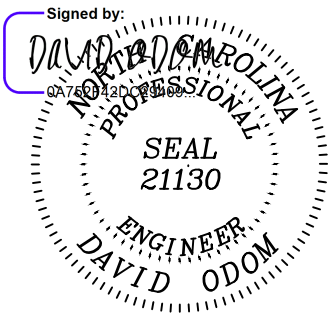
WATER 20

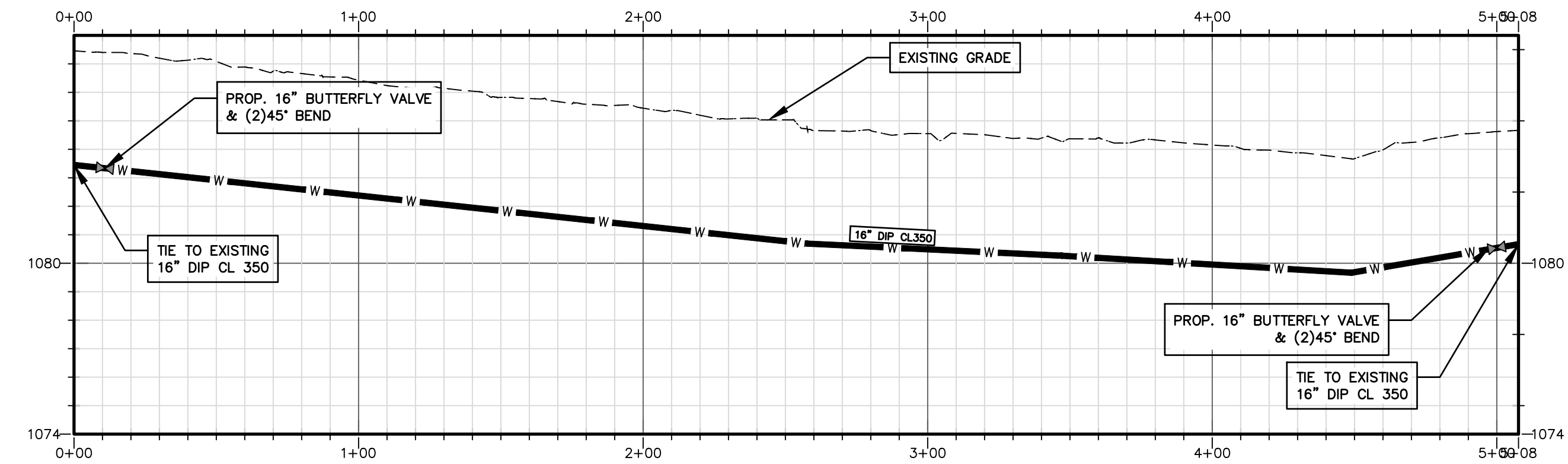
STA 0+00 TO STA 0+48
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



WATER 21

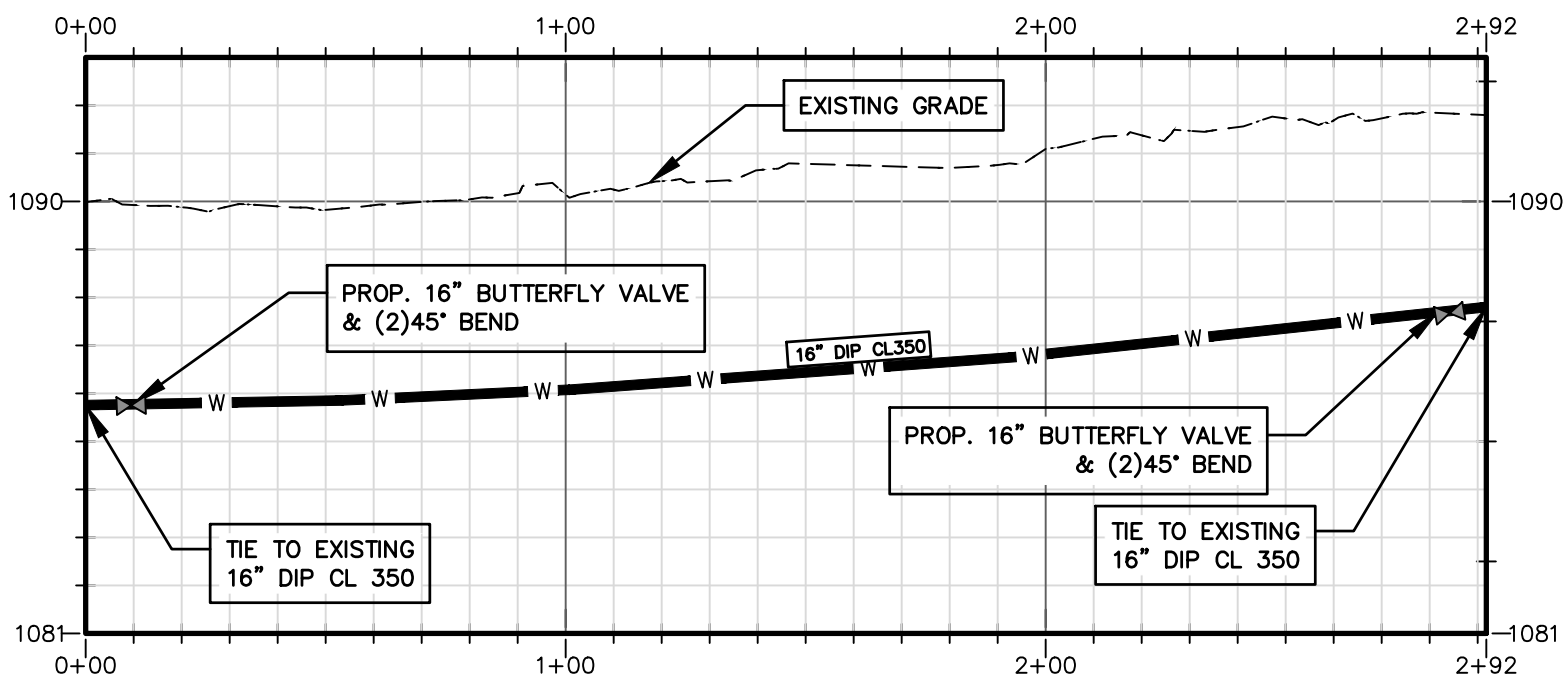
STA 0+00 TO STA 8+23
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)

PROJECT REFERENCE NO.		SHEET NO.	
HL--0065		UC--33	
DESIGNED BY: DWO	Signed by 		
DRAWN BY: LCT			
CHECKED BY: SBR			
APPROVED BY: DWO			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		5/15/2026	
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151			
		PLANS ONLY	



WATER 22

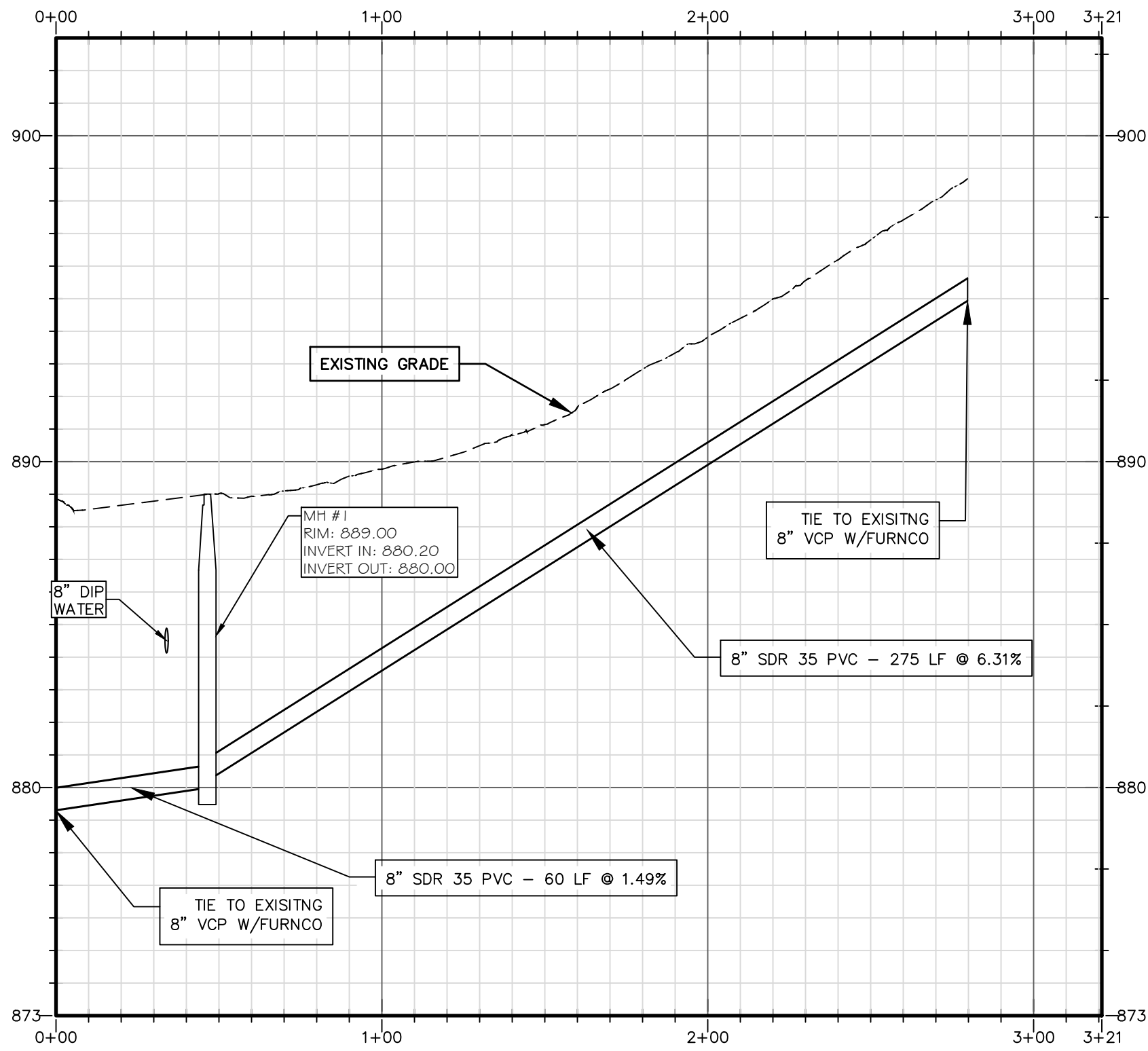
STA 0+00 TO STA 5+08
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



WATER 23

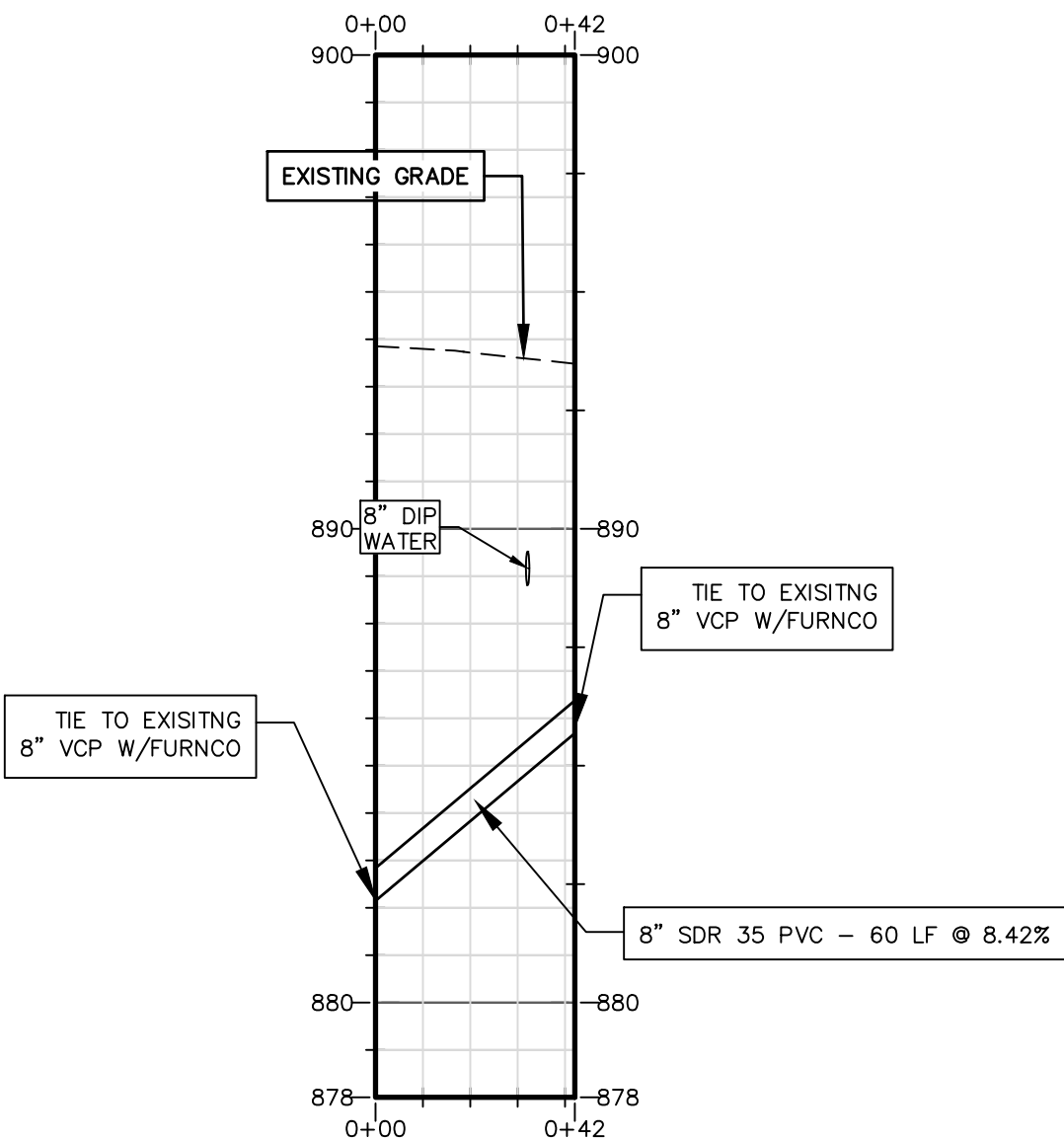
STA 0+00 TO STA 2+92
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)

PROJECT REFERENCE NO.		SHEET NO.	
HL-0065		UC-34	
DESIGNED BY:	DWO	Signed by:  DAVID ODOM Professional Engineer SEAL 21130 DAVID ODOM	5/15/2026 PLANS ONLY
DRAWN BY:	LCT		
CHECKED BY:	SBR		
APPROVED BY:	DWO		
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151			



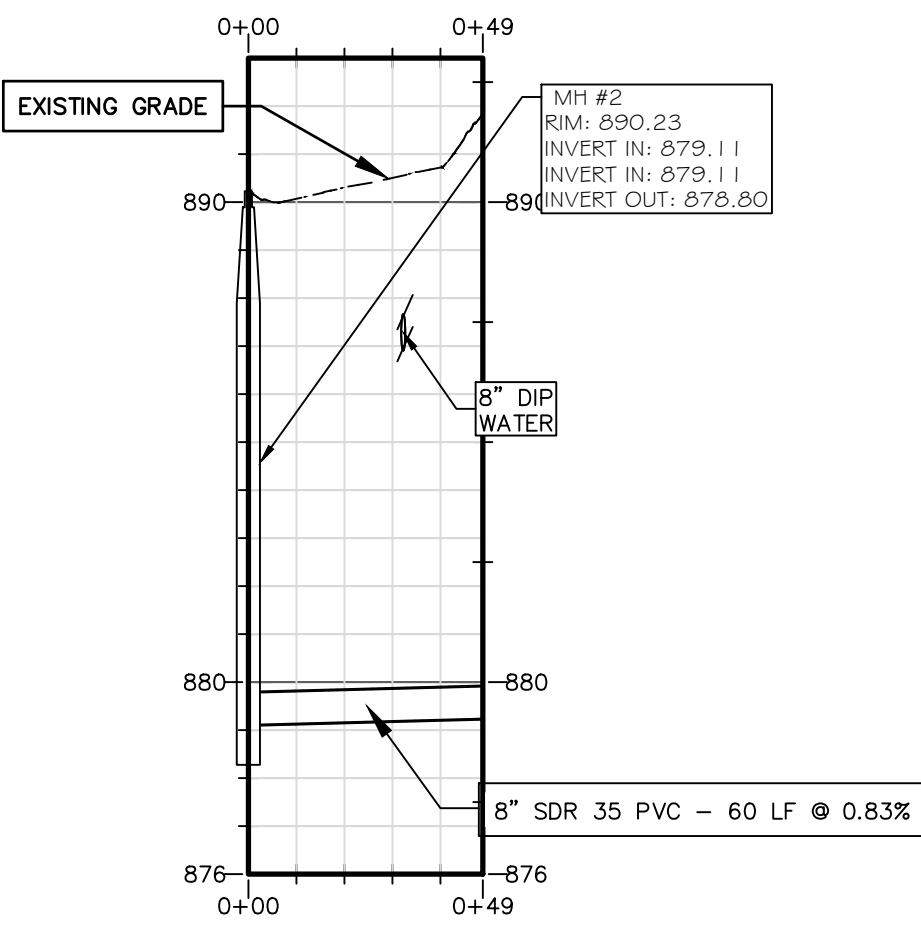
SEWER 1

STA 0+00 TO STA 3+21
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



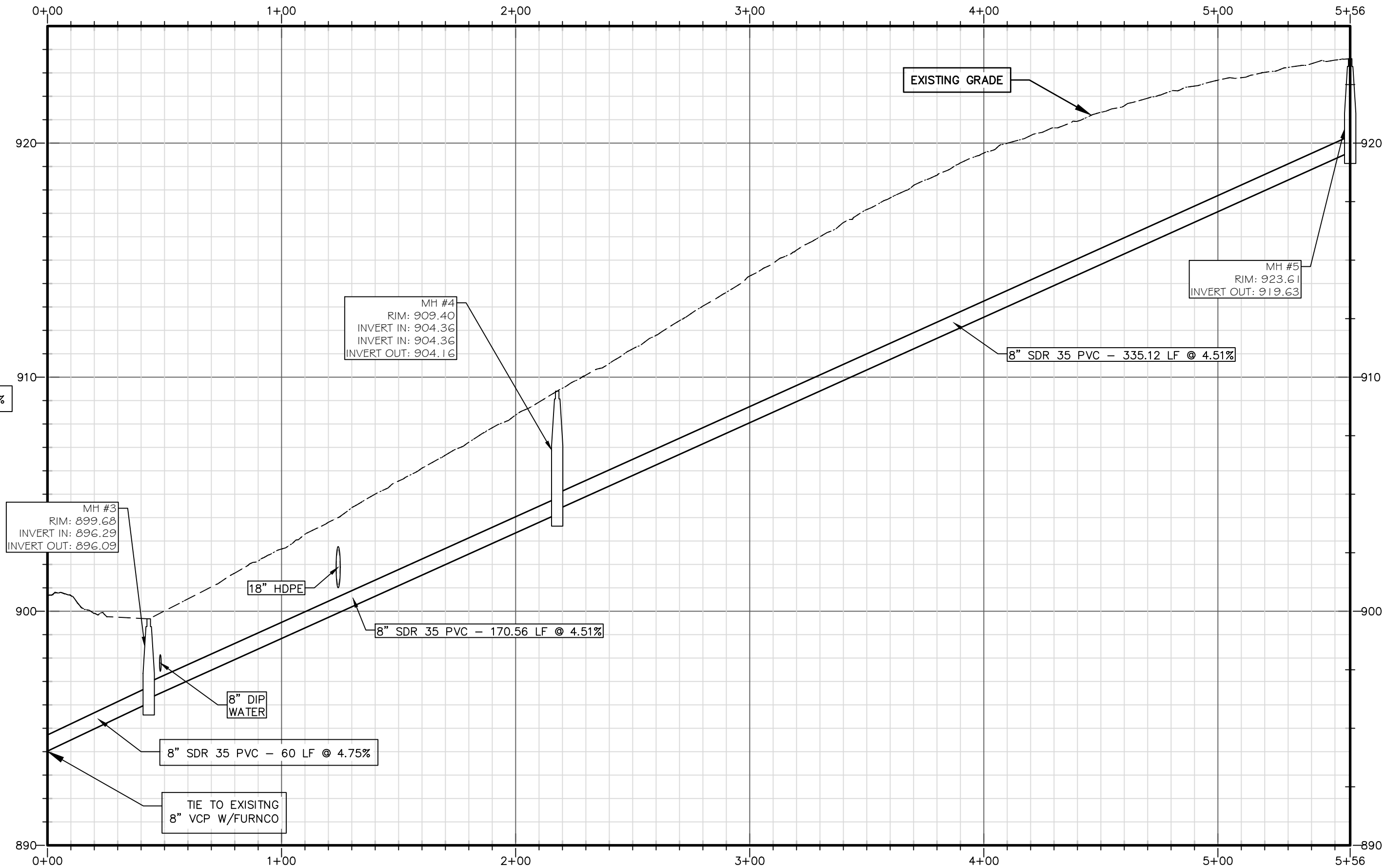
SEWER 2

STA 0+00 TO STA 0+42
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)

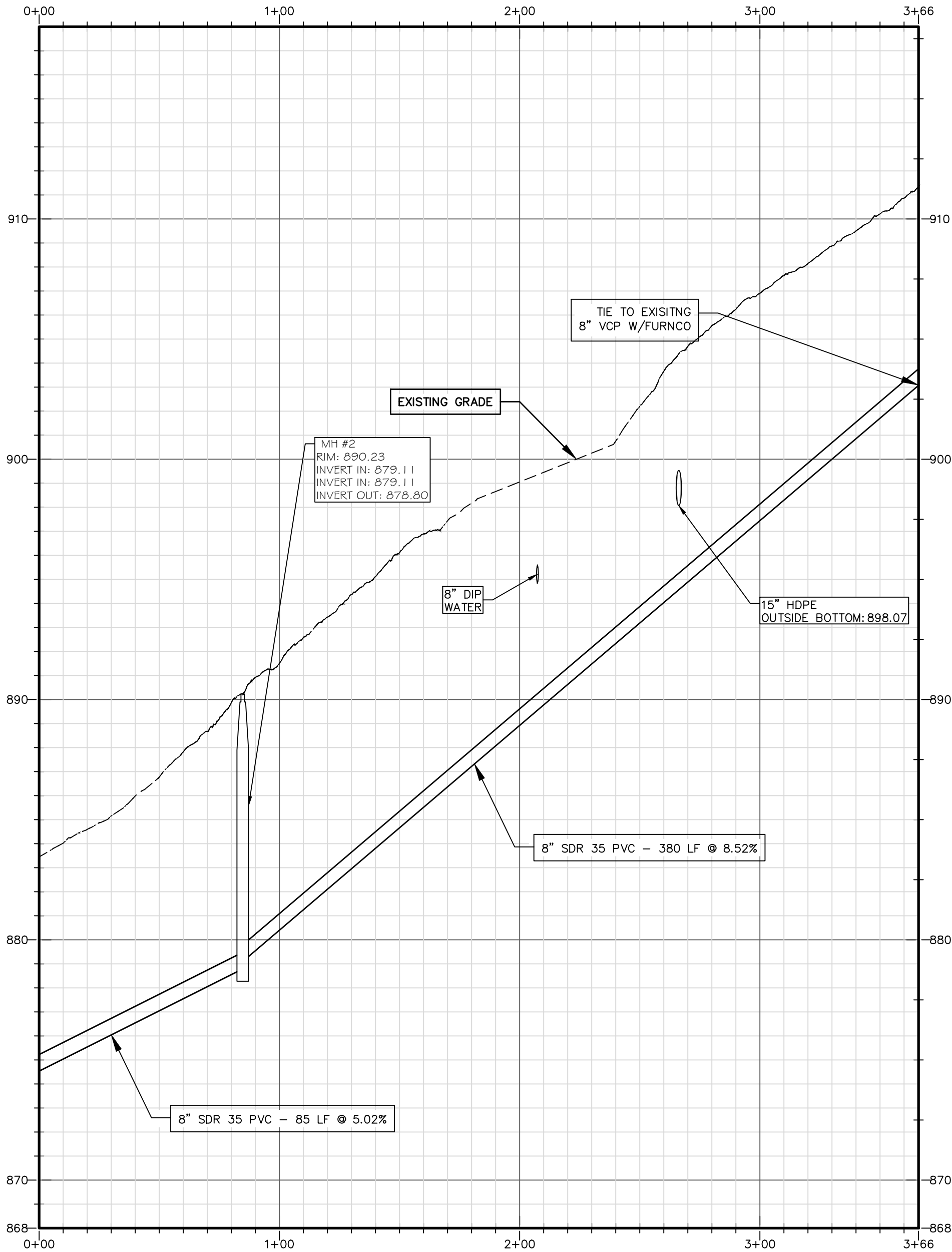


SEWER 4

STA 0+00 TO STA 0+49
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)

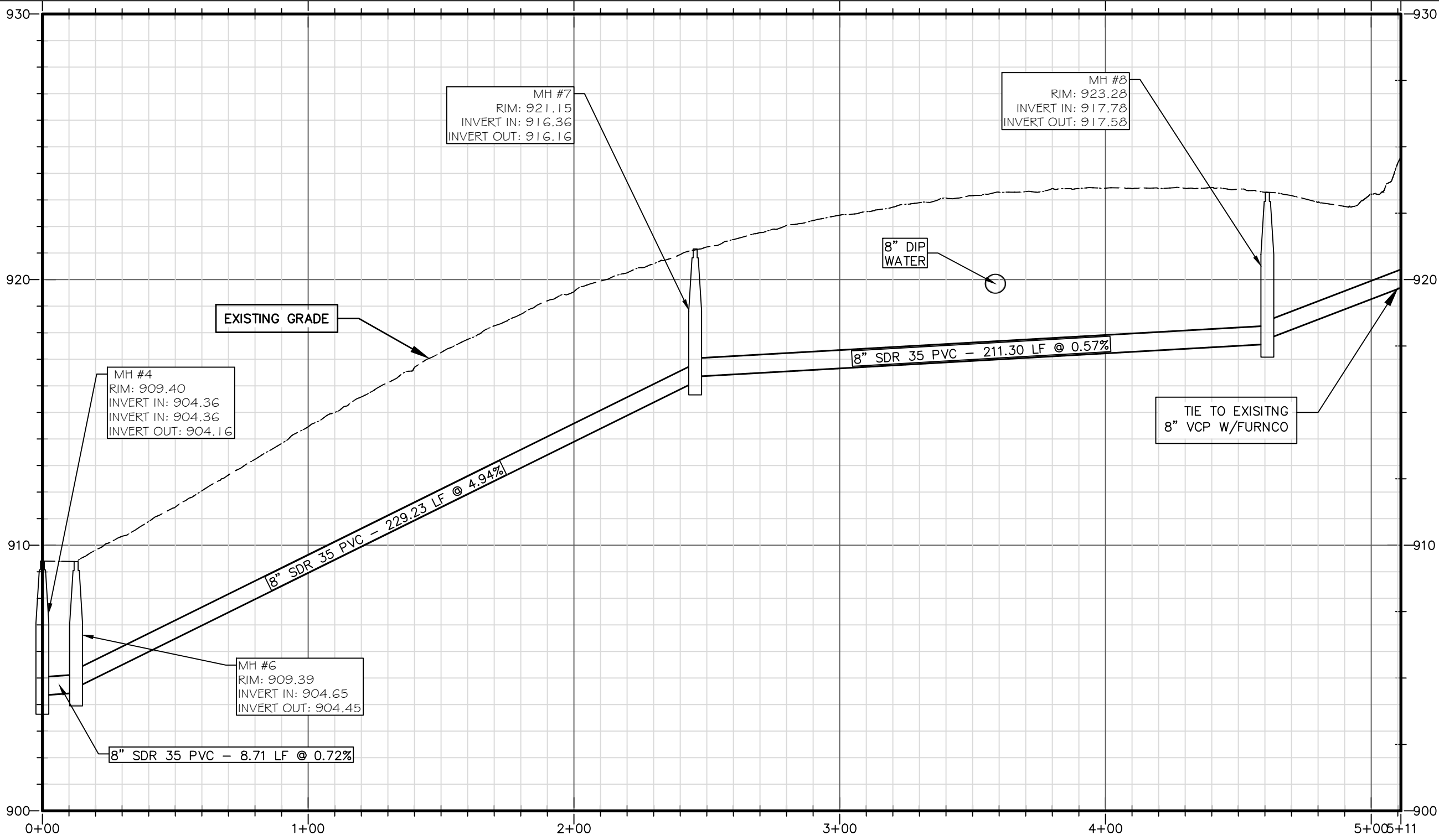


SEWER 5



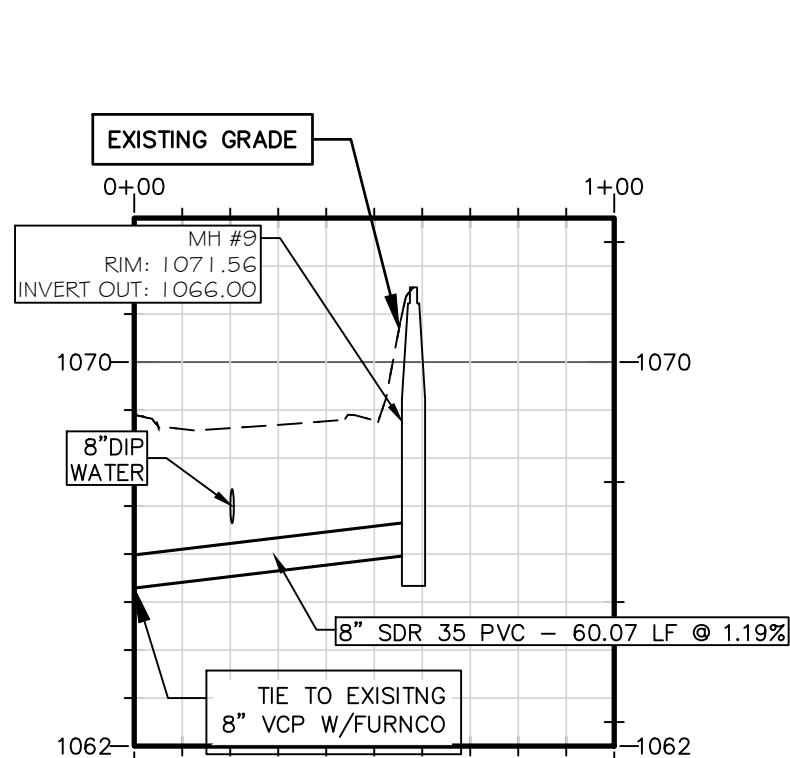
SEWER 3

STA 0+00 TO STA 3+66
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



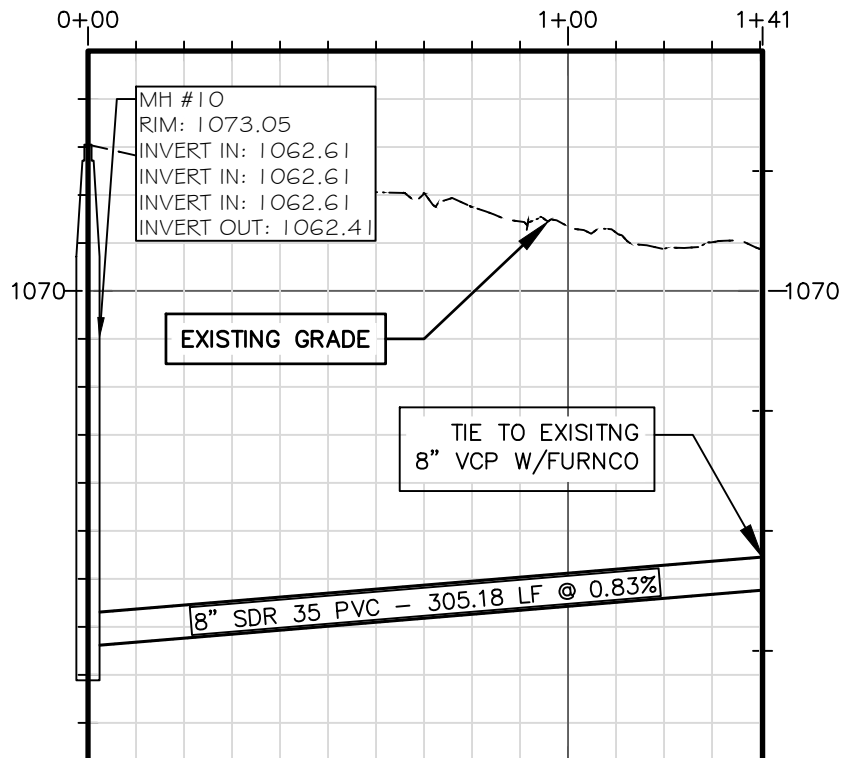
SEWER 6

STA 0+00 TO STA 5+11
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



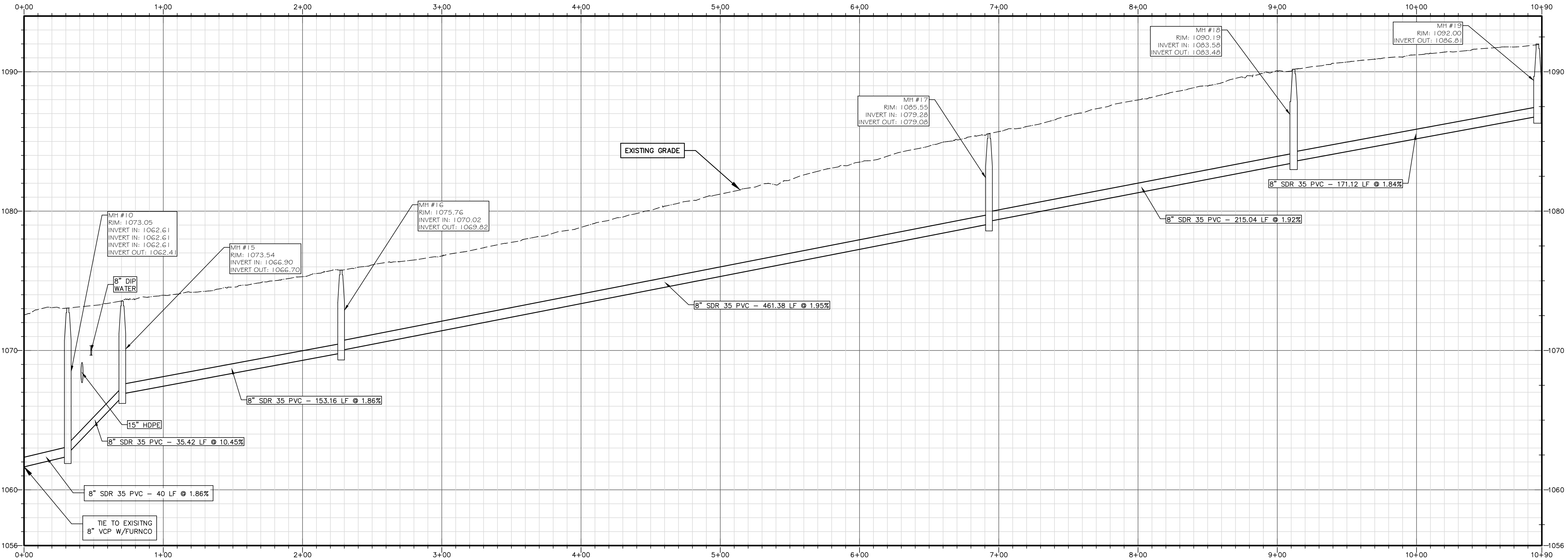
SEWER 7

STA 0+00 TO STA 1+00
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



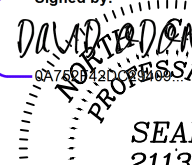
SEWER 8

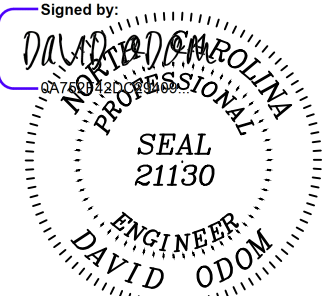
STA 0+00 TO STA 1+41
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)

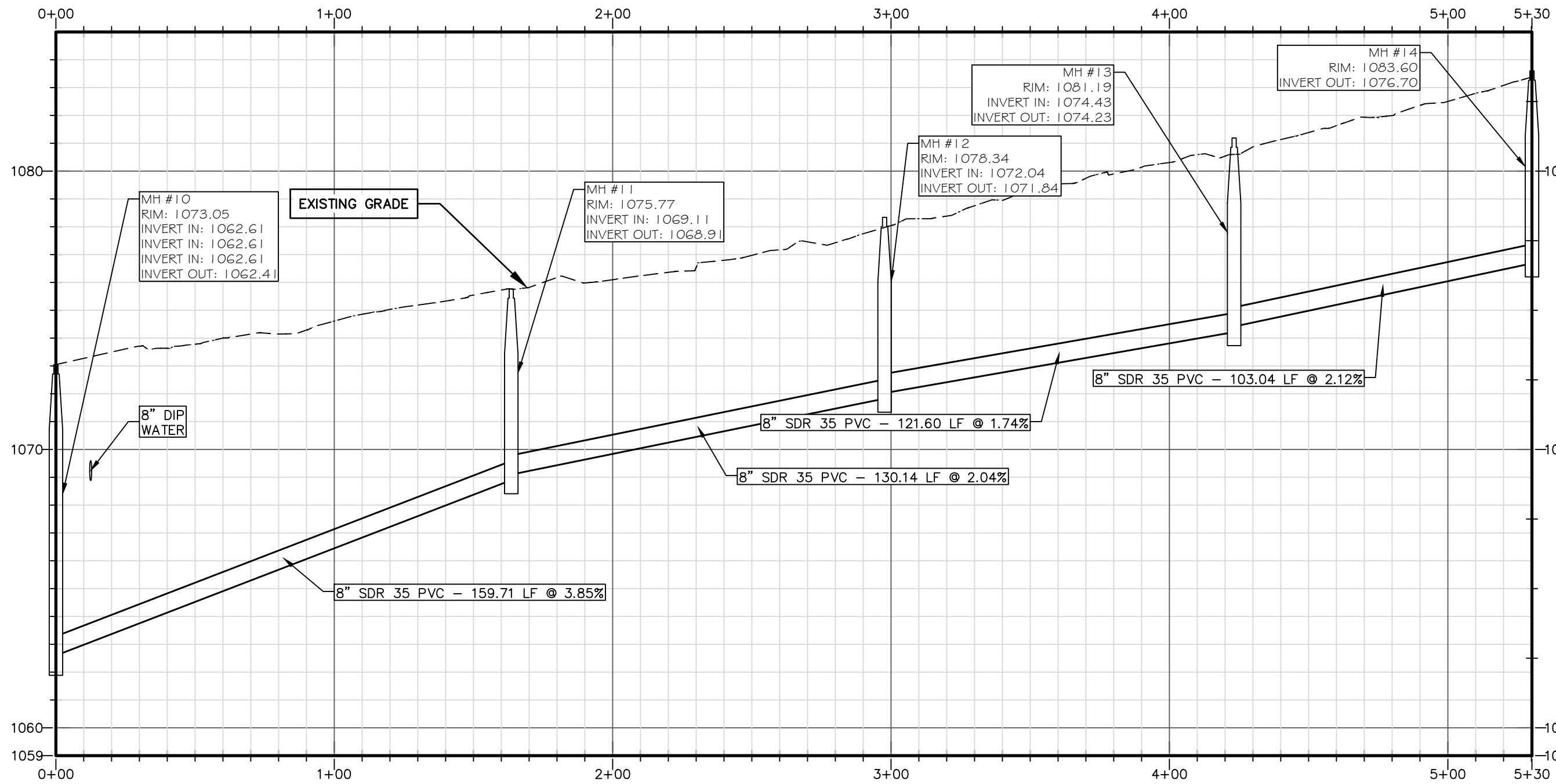


SEWER 9

STA 0+00 TO STA 10+90
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)

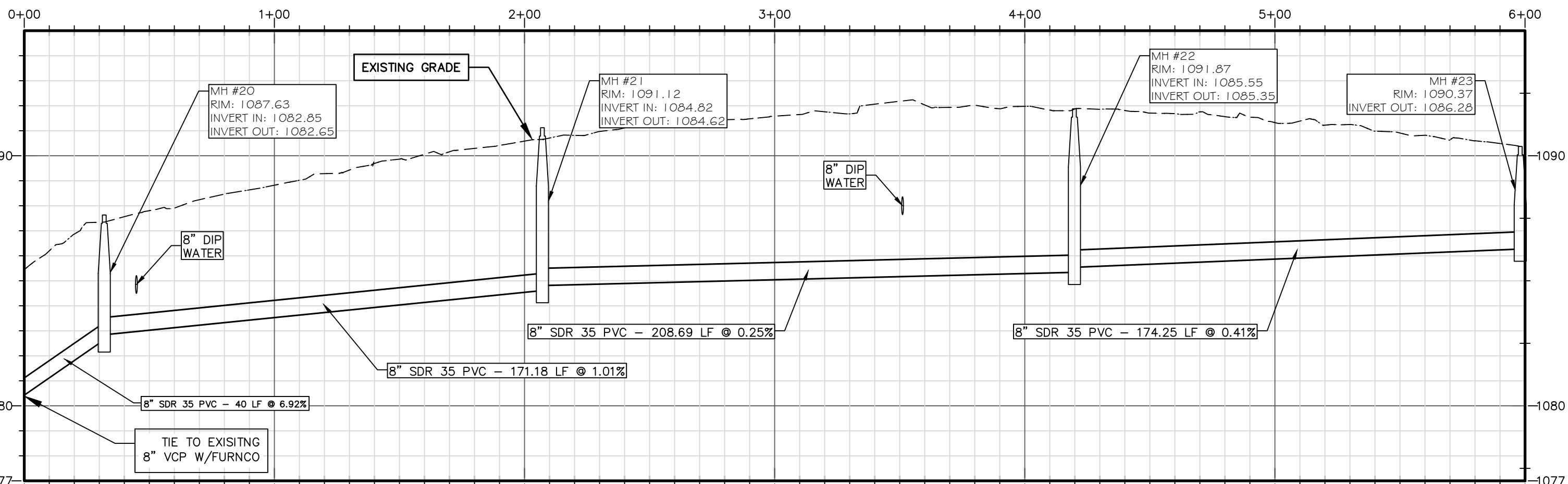
PROJECT REFERENCE NO.		SHEET NO.	
HL-0065		UC-35	
DESIGNED BY: DWO	5/15/2026 	PLANS ONLY	
DRAWN BY: LCT			
CHECKED BY: SBR			
APPROVED BY: DWO			
REVISED:			
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION			
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151			

PROJECT REFERENCE NO.		SHEET NO.
HL-0065		UC-36
DESIGNED BY: DWO	Signed by:  5/15/2026 PLANS ONLY	
DRAWN BY: LCT		
CHECKED BY: SBR		
APPROVED BY: DWO		
REVISED:		
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION		
UTILITIES ENGINEERING SEC. PHONE:(919)707-6690 FAX:(919)250-4151		



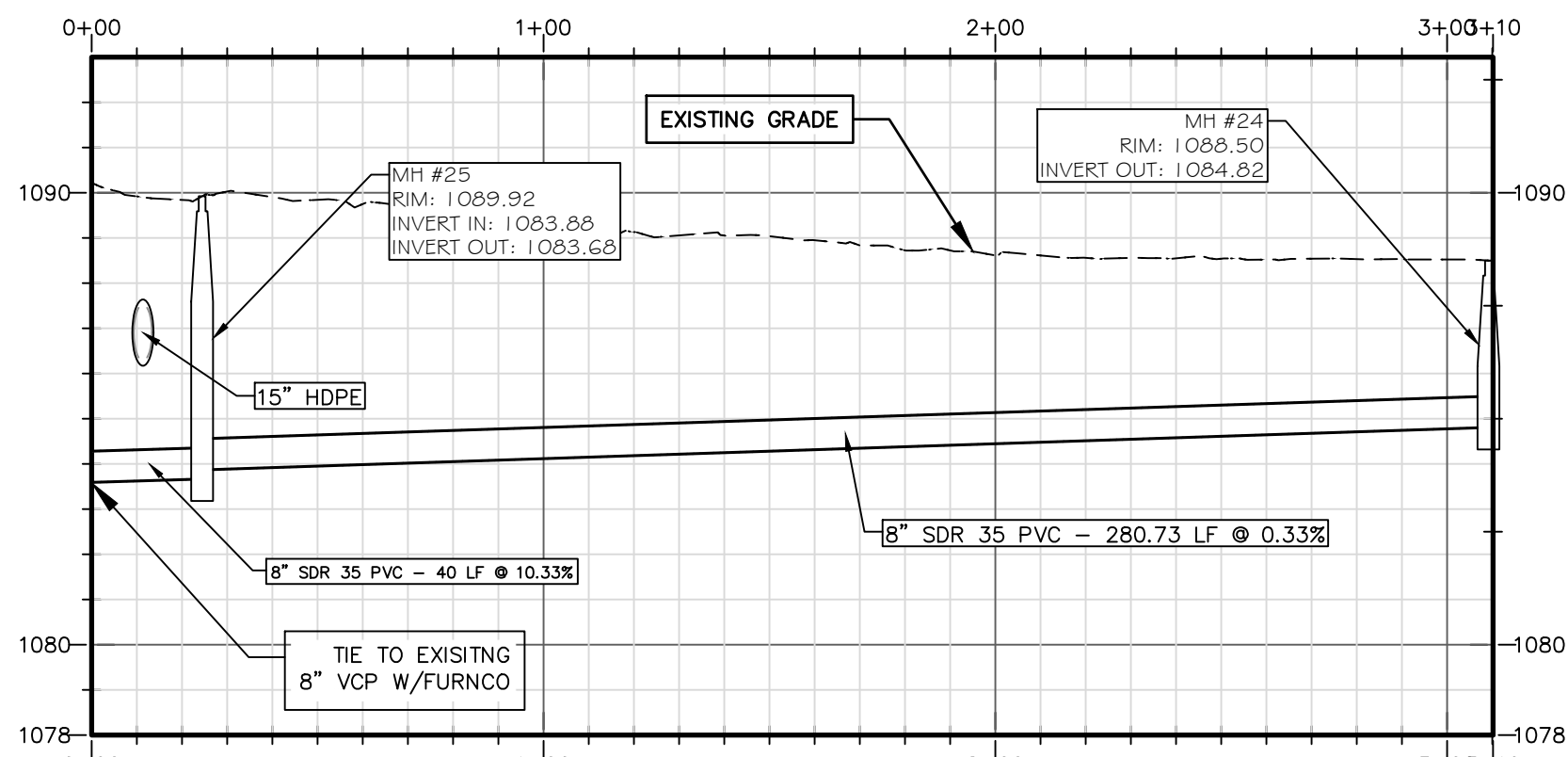
SEWER 10

STA 0+00 TO STA 5+30
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



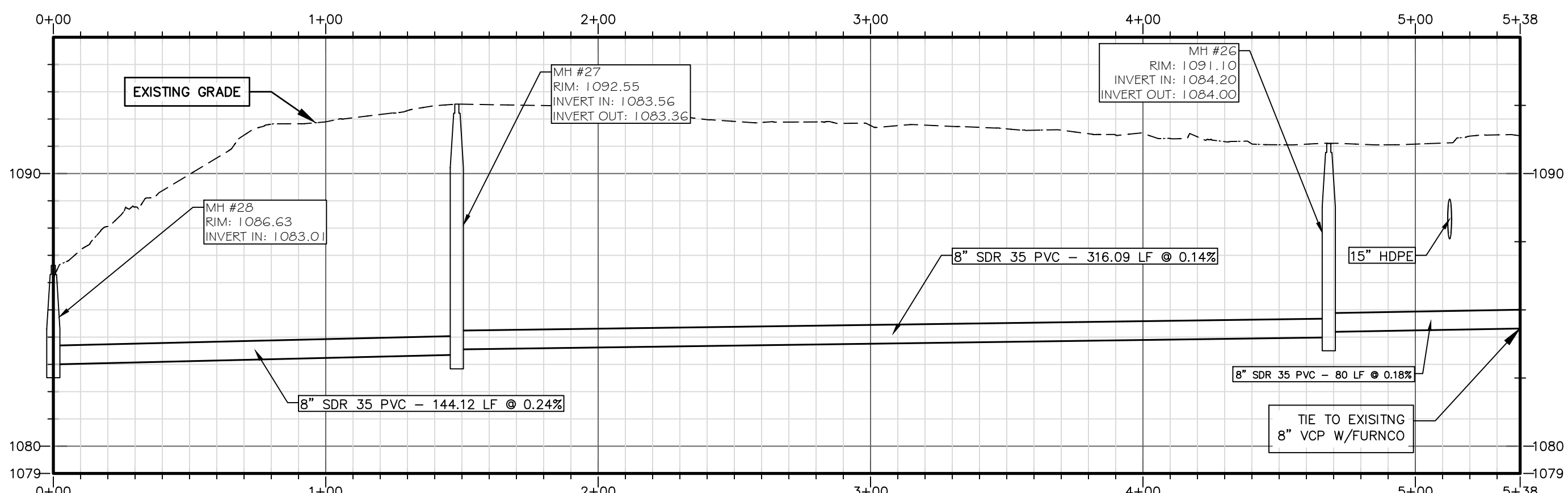
SEWER 11

STA 0+00 TO STA 6+00
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



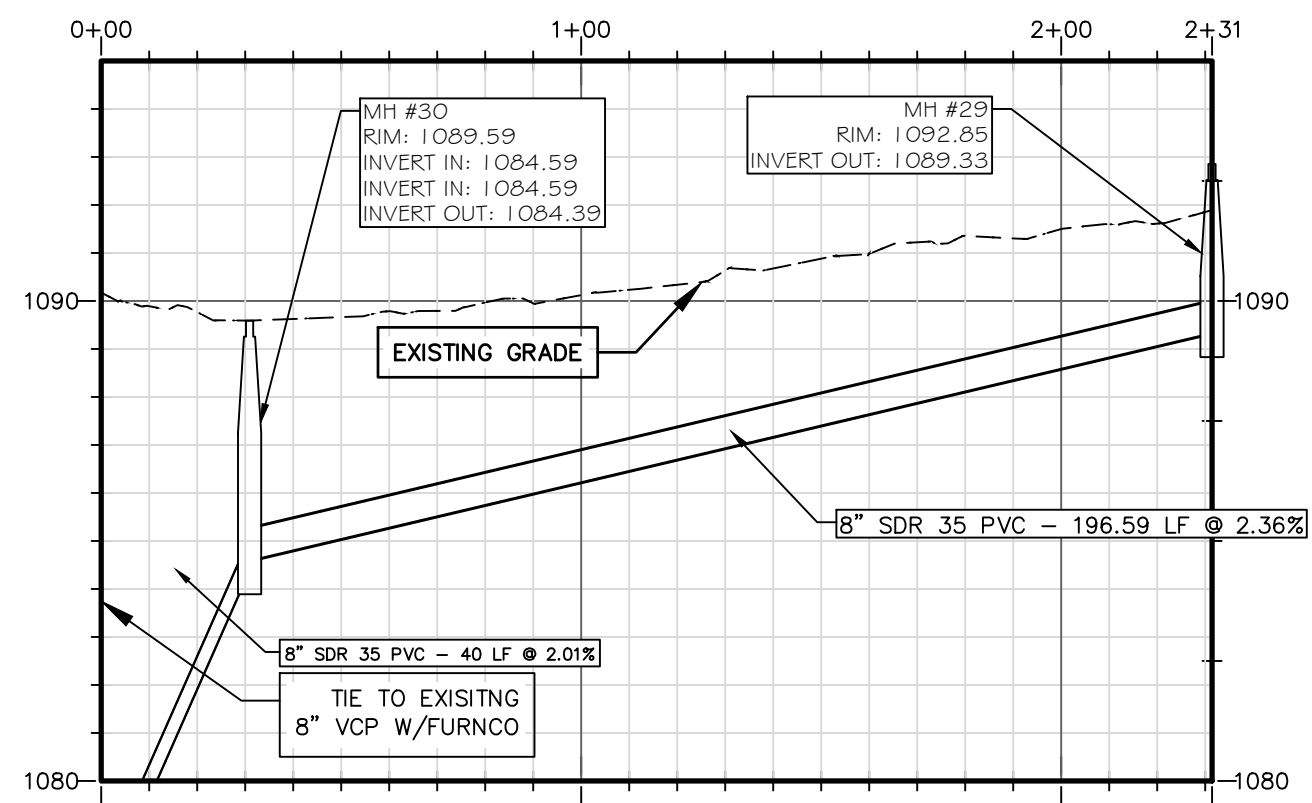
SEWER 12

STA 0+00 TO STA 3+10
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



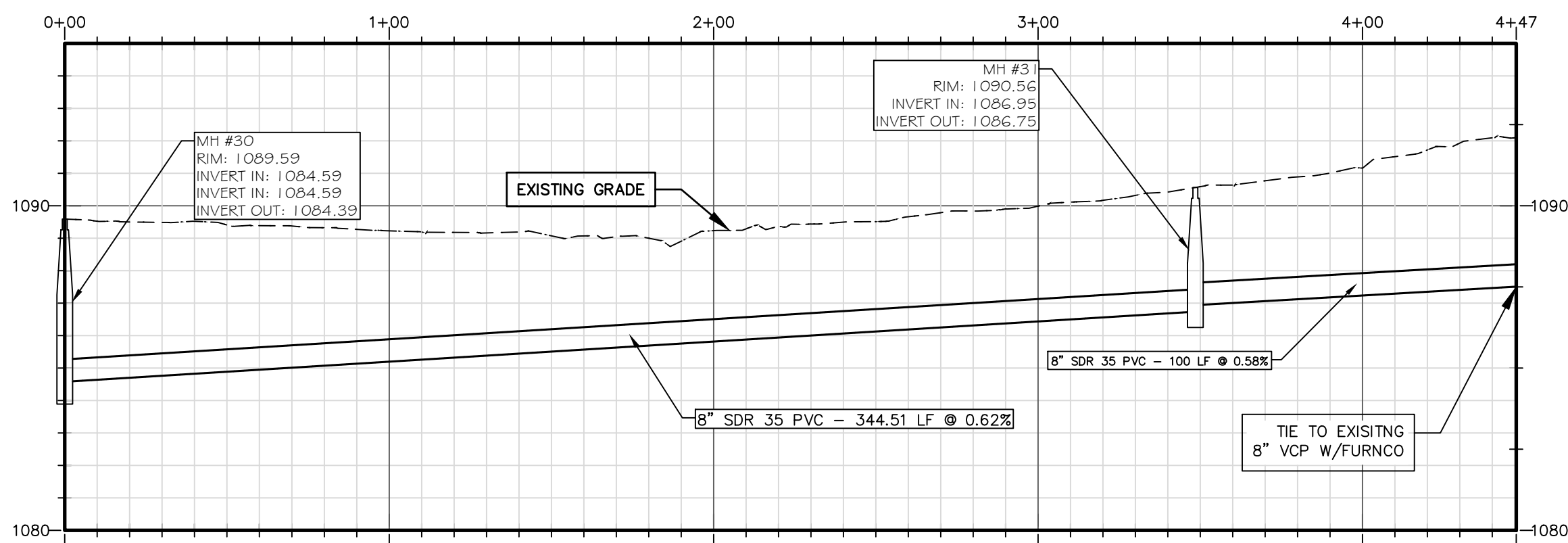
SEWER 13

STA 0+00 TO STA 5+38
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



SEWER 14

STA 0+00 TO STA 2+31
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)



SEWER 15

STA 0+00 TO STA 4+47
SCALE: 1" = 40' (HORIZONTAL) & 1" = 4' (VERTICAL)