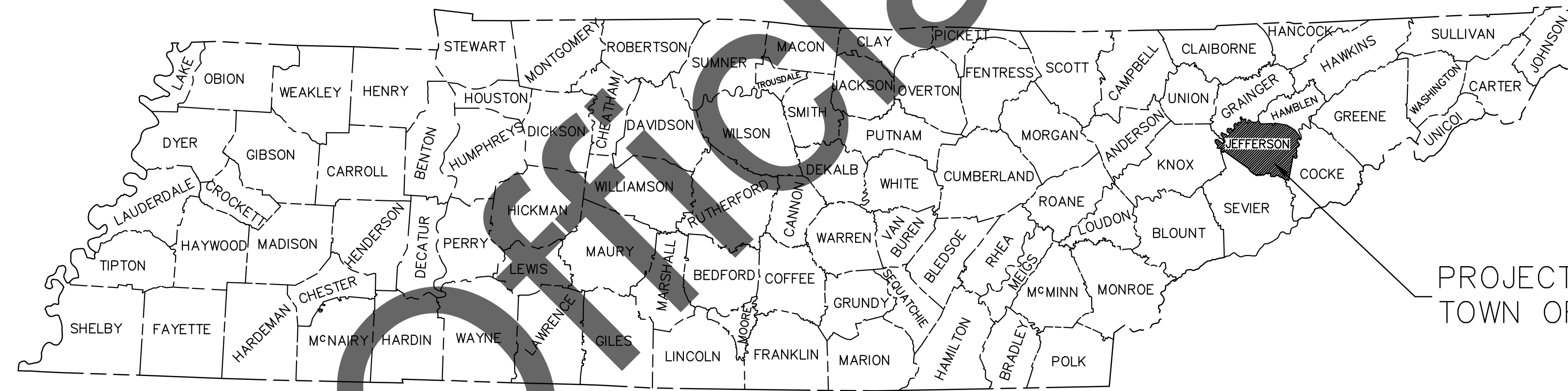


TOWN OF DANDRIDGE ARC SANITARY SEWER IMPROVEMENTS

DANDRIDGE, TENNESSEE



LOCATION MAP
(Not to Scale)

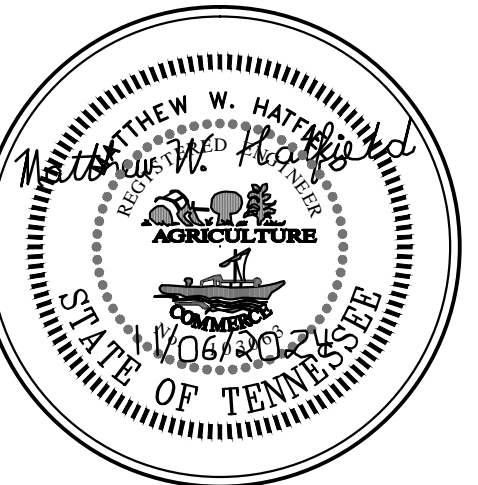
PROJECT LOCATION:
TOWN OF DANDRIDGE, TENNESSEE

Index to Drawings

SHEET No.	SHEET TITLE	ISSUE DATE	LATEST REVISION DATE
C-0	COVER SHEET	08/15/2024	11/06/2024
C-1.0	OVERALL PLAN VIEW STATION 0+00 TO STATION 63+82	08/15/2024	11/06/2024
C-1.1	SANITARY SEWER FORCE MAIN PLAN AND PROFILE STATION 0+00 TO STATION 7+00	08/15/2024	11/06/2024
C-1.2	SANITARY SEWER FORCE MAIN PLAN AND PROFILE STATION 7+00 TO STATION 19+00	08/15/2024	11/06/2024
C-1.3	SANITARY SEWER FORCE MAIN PLAN AND PROFILE STATION 19+00 TO STATION 31+00	08/15/2024	11/06/2024
C-1.4	SANITARY SEWER FORCE MAIN PLAN AND PROFILE STATION 31+00 TO STATION 43+00	08/15/2024	11/06/2024
C-1.5	SANITARY SEWER FORCE MAIN PLAN AND PROFILE STATION 43+00 TO STATION 54+00	08/15/2024	11/06/2024
C-1.6	SANITARY SEWER FORCE MAIN PLAN AND PROFILE STATION 54+00 TO STATION 63+84	08/15/2024	11/06/2024
C-1.7	SANITARY SEWER FORCE MAIN BY OTHERS STATION 0+00 TO STATION 15+00	08/15/2024	11/06/2024
C-1.8	SANITARY SEWER FORCE MAIN BY OTHERS STATION 15+00 TO STATION 29+50	08/15/2024	11/06/2024
C-1.9	SANITARY SEWER FORCE MAIN BY OTHERS STATION 30+00 TO STATION 50+00	08/15/2024	11/06/2024
C-1.10	SANITARY SEWER FORCE MAIN BY OTHERS STATION 60+00 TO STATION 63+82	08/15/2024	11/06/2024
C-2.0	SANITARY SEWER FORCE MAIN CONNECTION PLAN AT STATION 0+00	08/15/2024	11/06/2024
C-2.1	SANITARY SEWER FORCE MAIN DETAILS & SPECIFICATIONS	08/15/2024	11/06/2024
C-2.2	EXISTING SANITARY SEWER PUMP STATION DETAILS FOR REFERENCE ONLY	08/15/2024	11/06/2024
C-2.3	PROPOSED SANITARY SEWER PUMP STATION DETAILS & SPECIFICATIONS WET WELL FOR REFERENCE ONLY	08/15/2024	11/06/2024
C-3.0	TRAFFIC CONTROL PLAN STATION 0+00 TO STATION 16+00	08/15/2024	11/06/2024
C-3.1	TRAFFIC CONTROL PLAN STATION 21+00 TO STATION 63+82	08/15/2024	11/06/2024



HATFIELD & ALLEN
ASSOCIATES
ENGINEERING & PLANNING
775 RANDES ROAD
STRAWBERRY PLAINS, TN 37871
PHONE: (865) 388-5031



TOWN OF DANDRIDGE
ARC SEWER SYSTEM
IMPROVEMENTS
DANDRIDGE, TENNESSEE

X-REFERENCED DRAWINGS	
1)	24-128 Base-d.dwg
2)	24-128 Base.dwg
3)	
4)	
5)	

REVISION HISTORY

10/27/2024	REVISED AND ADDED PLAN NOTES
10/31/2024	REVISED PIPELINE MATERIAL AND ROAD CROSSINGS
11/01/2024	REVISED ROAD CROSSINGS TO OPEN CUT
11/06/2024	REVISED PER DANDRIDGE COMMENTS

PROJ NO. • 24-128
DWG FILE • 24-128 C-0
ISSUE DATE • 08/15/2024

TOWN OF
DANDRIDGE
SANITARY SEWER
IMPROVEMENTS

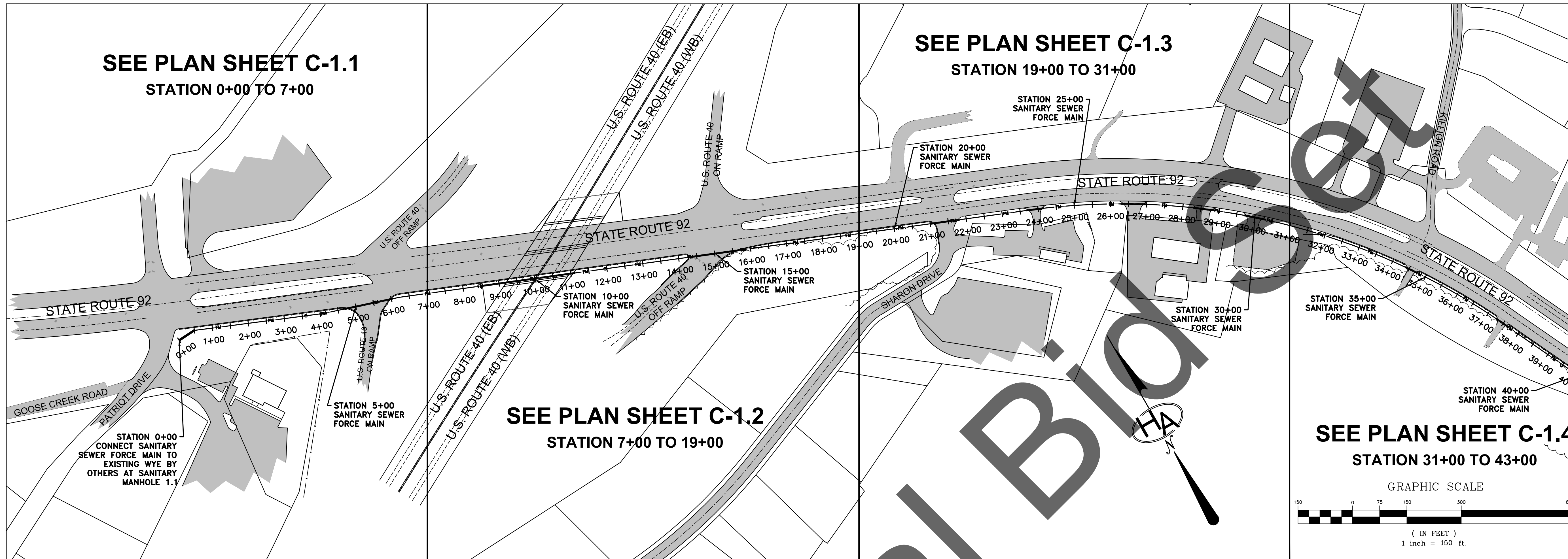
COVER SHEET

SHEET NUMBER

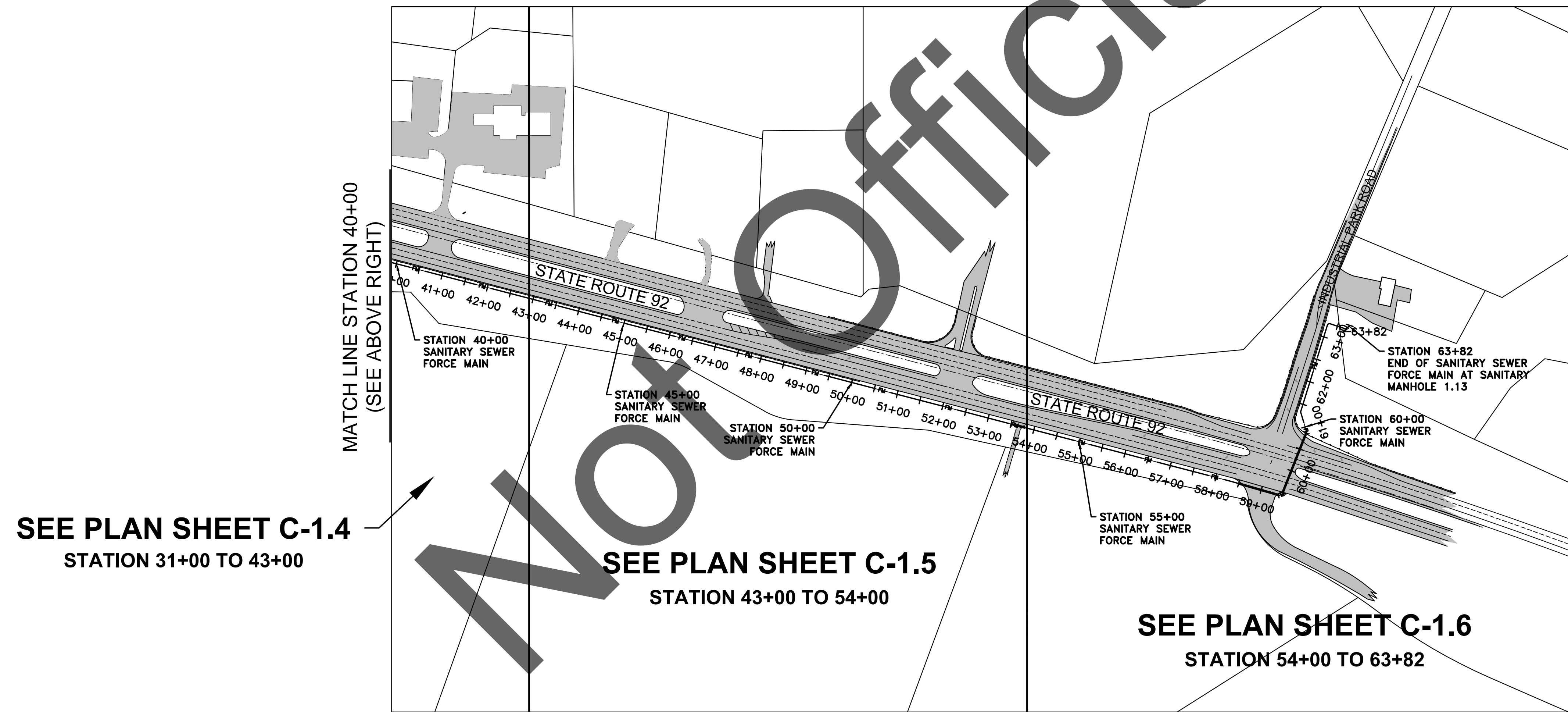
C-0

List of Project Contacts

ENGINEER	TELEPHONE	PUBLIC WORKS (WATER)	PUBLIC WORKS (SEWER)	ELECTRIC COMPANY	GAS COMPANY	PLANNING AND ZONING	BUILDING OFFICE
HATFIELD & ALLEN ASSOCIATES (865) 388-5031 CONTACT: MATTHEW HATFIELD, P.E. 775 RANDES ROAD STRAWBERRY PLAINS, TN 37871	AT&T COMMUNICATIONS (865) 694-3668 CONTACT: ED SKEENES 9733 PARKSIDE DRIVE, KNOXVILLE, TN 37922	TOWN OF DANDRIDGE (865) 397-7420 CONTACT: TANA BENSON 131 E. MAIN STREET DANDRIDGE TN, 37725	TOWN OF DANDRIDGE (865) 397-7420 CONTACT: TANA BENSON 131 E. MAIN STREET DANDRIDGE TN, 37725	APPALACHIAN ELECTRIC CO-OP (865) 475-2033 CONTACT: RONNIE COX P.O. BOX 710 JEFFERSON CITY TENNESSEE 37760	JEFFERSON - COCKE COUNTY UTILITY (423) 475-7911 CONTACT: RUSSELL BLAZER 243 E. BROADWAY BOULEVARD JEFFERSON CITY, TN 37760	CODES ENFORCEMENT OFFICER / BUILDING INSPECTOR (865) 397-7420 EXT. 13 CONTACT: TERRY RENEAU 202 WEST MAIN STREET DANDRIDGE, TN 37725	CODES ENFORCEMENT OFFICER / BUILDING INSPECTOR (865) 397-7420 EXT. 13 CONTACT: TERRY RENEAU 202 WEST MAIN STREET DANDRIDGE, TN 37725



MATCH LINE STATION 40+00
(SEE BELOW LEFT)



HA
 HATFIELD & ALLEN
 ASSOCIATES
 ENGINEERING & PLANNING
 775 RANDELS ROAD
 STRAWBERRY PLAINS, TN 37871
 PHONE: (865) 388-5031



**TOWN OF DANDRIDGE
 ARC SEWER SYSTEM
 IMPROVEMENTS**
 DANDRIDGE, TENNESSEE

X-REFERENCED DRAWINGS

1)	25-128 Bord-d.dwg
2)	25-128 Base.dwg
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4)	
5)	

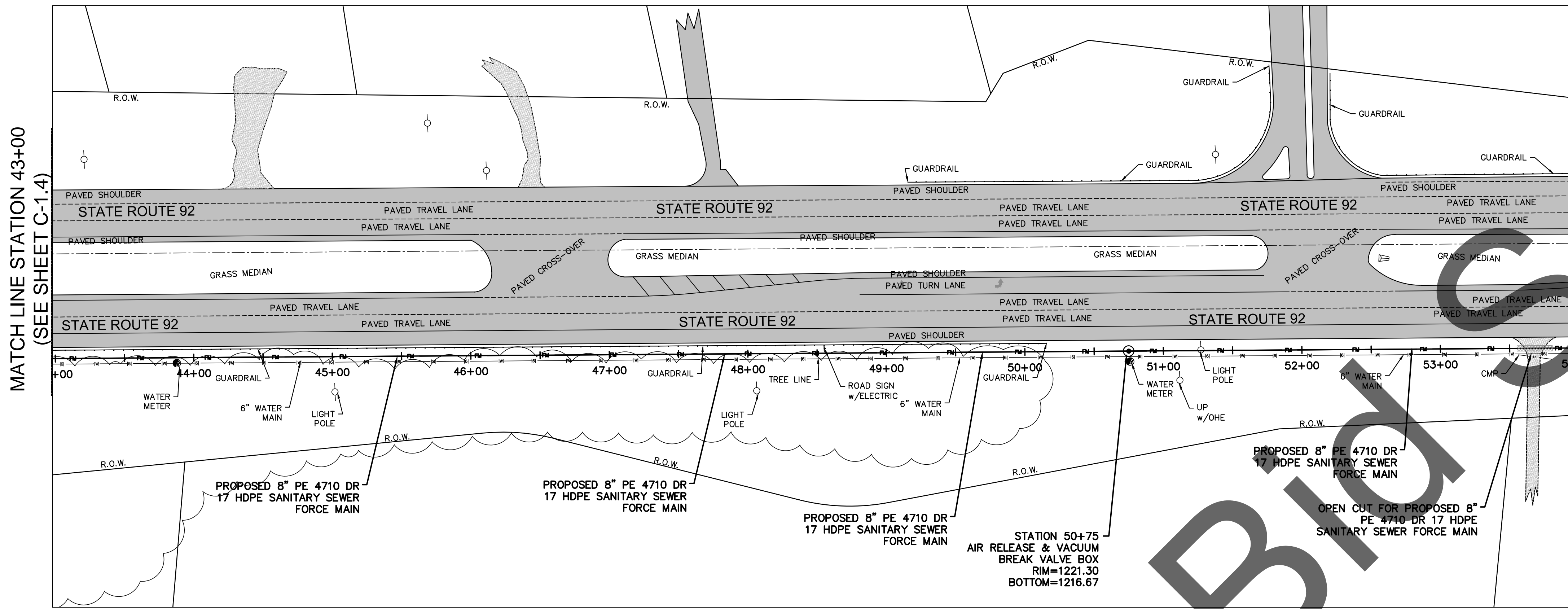
REVISION HISTORY

10/21/2024	REVISED AND ADDED PLAN NOTES
10/31/2024	REVISED PIPELINE MATERIAL AND ROAD CROSSINGS
11/01/2024	REVISED ROAD CROSSINGS TO OPEN CUT
11/06/2024	REVISED PER DANDRIDGE COMMENTS
01/08/2025	REVISED I-40 BRIDGE APRON CROSSING PER DANDRIDGE COMMENTS
01/24/2025	REVISED I-40 CROSSING PROFILE AND VARIOUS NOTES

PROJ. NO. • 25-128
 DWG. FILE • 25-128 C-1.0
 ISSUE DATE • 08/15/2024

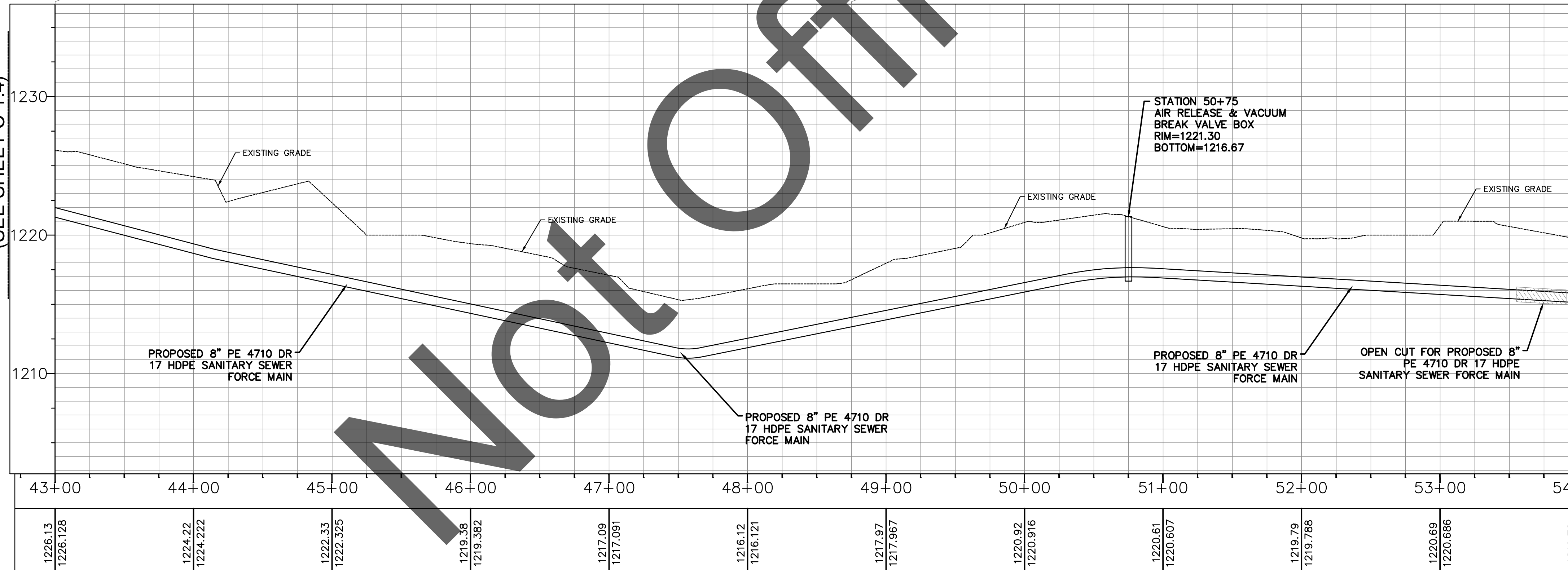
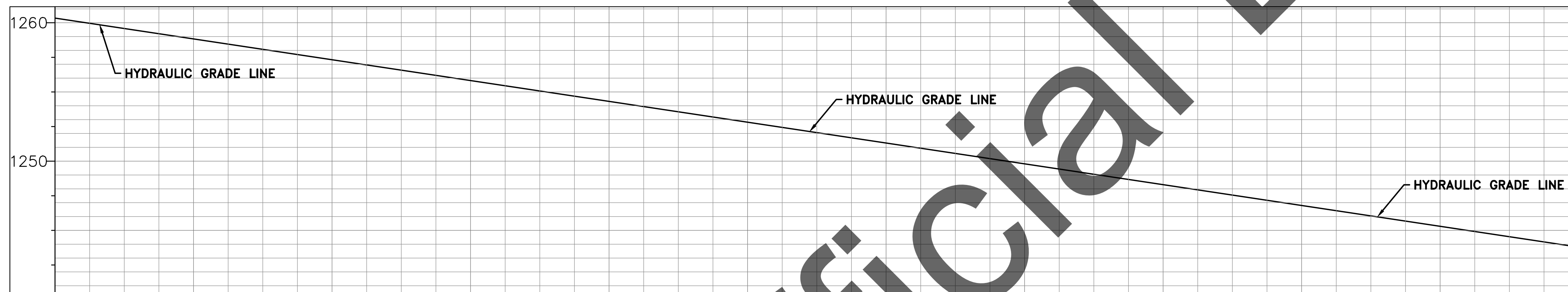
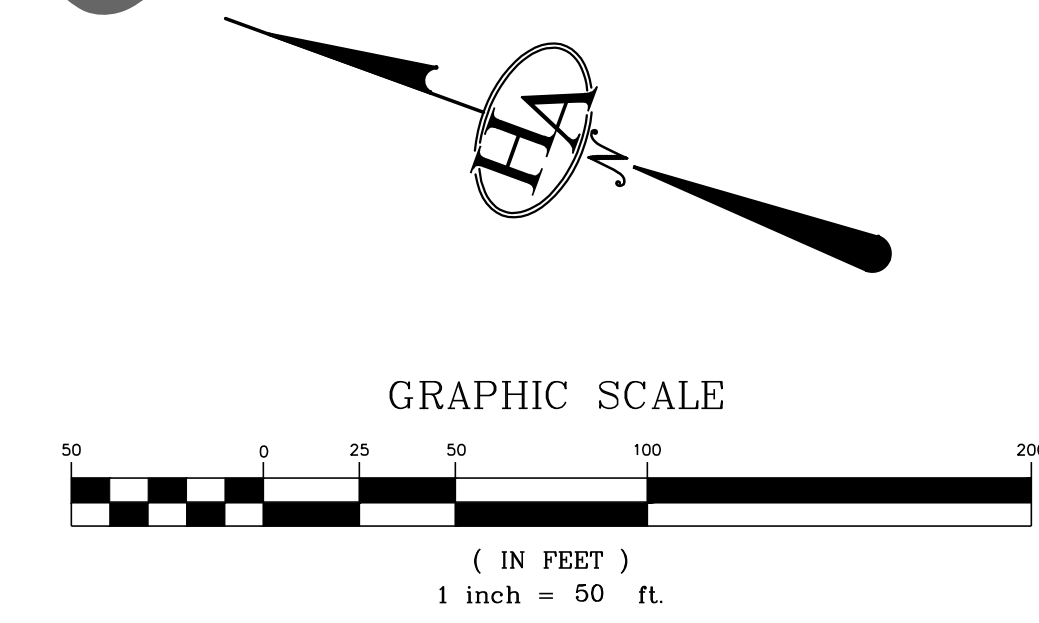
TOWN OF DANDRIDGE
 SANITARY SEWER
 IMPROVEMENTS
 OVERALL PLAN VIEW
 STATION 0+00
 TO
 STATION 63+82

SHEET NUMBER
C-1.0



MATCH LINE STATION 43+00
(SEE SHEET C-1.4)

MATCH LINE STATION 54+00
(SEE SHEET C-1.6)



MATCH LINE STATION 43+00
(SEE SHEET C-1.4)

MATCH LINE STATION 54+00
(SEE SHEET C-1.6)

LEGEND	
PROPOSED	EXISTING
FM	FORCE MAIN
⊙	AIR RELEASE VACUUM BREAK
▨	DIRECTIONALLY BORE CROSSING
▧	DIRECTIONALLY BORE CROSSING WITH CASING PIPE
▩	OPEN CUT CROSSING
—	BOUNDARY LINE
—	CURB LINE
—	EDGE OF PAVING
—	SIDEWALK
⊙	MANHOLE USE NOTED
⊙	INLET
⊙	WATER VALVE IN BOX
⊙	FIRE HYDRANT
⊙	GAS VALVE
⊙	TELEPHONE PEDISTAL
⊙	ELECTRIC TRANSFORMER
⊙	STREET LIGHT
⊙	SIGN
—SS—	SANITARY SEWER
—W—	WATER MAIN
—G—	GAS MAIN
—OHE—	OVERHEAD ELECTRIC LINE

SCALES:
1"= 50' HORIZONTALLY
1"= 5' VERTICALLY

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ASSOCIATES
ENGINEERING & PLANNING
775 RANDELES ROAD
STRAWBERRY PLAINS, TN 37871
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**TOWN OF DANDRIDGE
ARC SEWER SYSTEM
IMPROVEMENTS**
DANDRIDGE, TENNESSEE

X-REFERENCED DRAWINGS

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2)	25-128 Base.dwg
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4)	
5)	

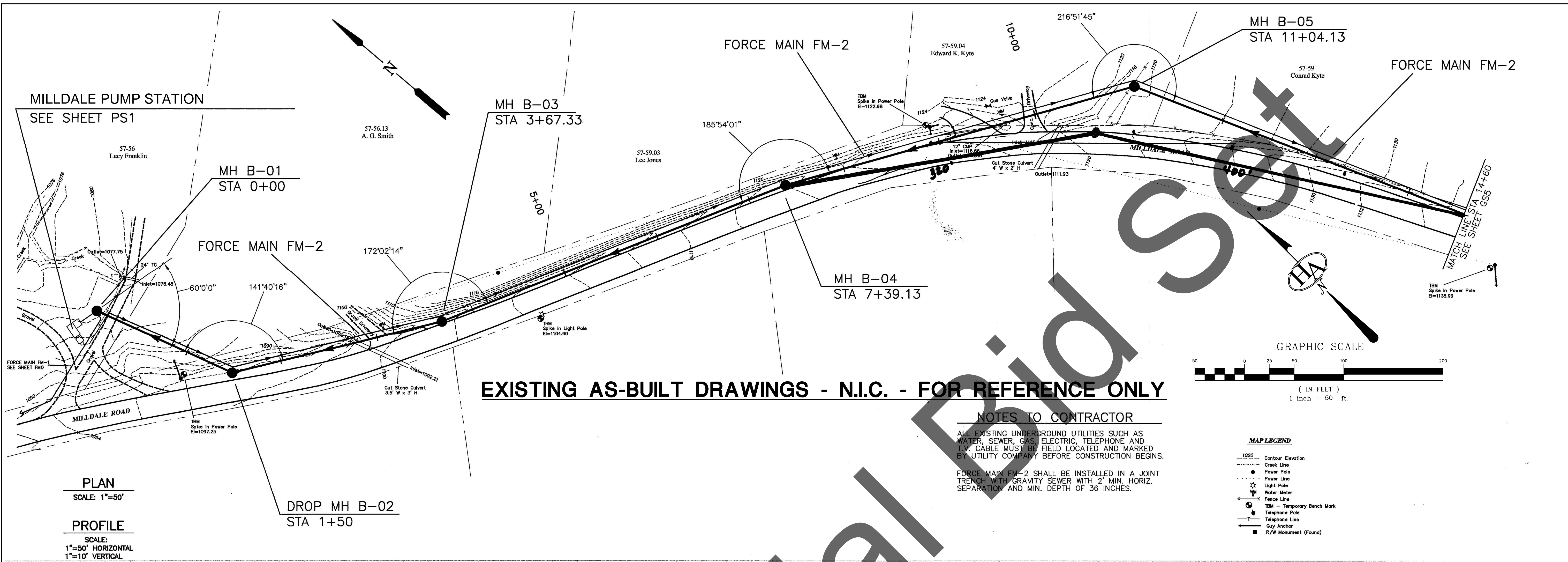
REVISION HISTORY

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11/01/2024	REVISED ROAD CROSSINGS TO OPEN CUT
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01/08/2025	REVISED I-40 BRIDGE APRON CROSSING PER DANDRIDGE COMMENTS
01/24/2025	REVISED I-40 CROSSING PROFILE AND VARIOUS NOTES

PROJ. NO. ● 25-128
DWG FILE ● 25-128 C-1.5
ISSUE DATE ● 08/15/2024

**TOWN OF
DANDRIDGE
SANITARY SEWER
IMPROVEMENTS**
**STATION 43+00
TO
STATION 54+00**

SHEET NUMBER
C-1.5

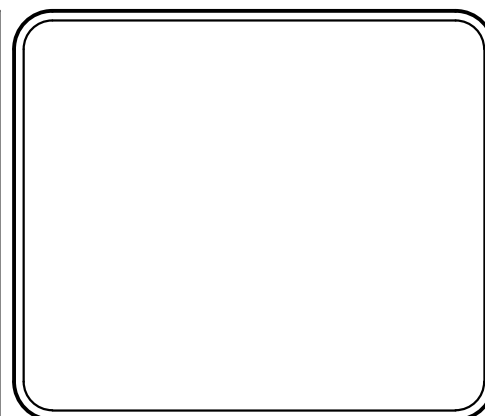
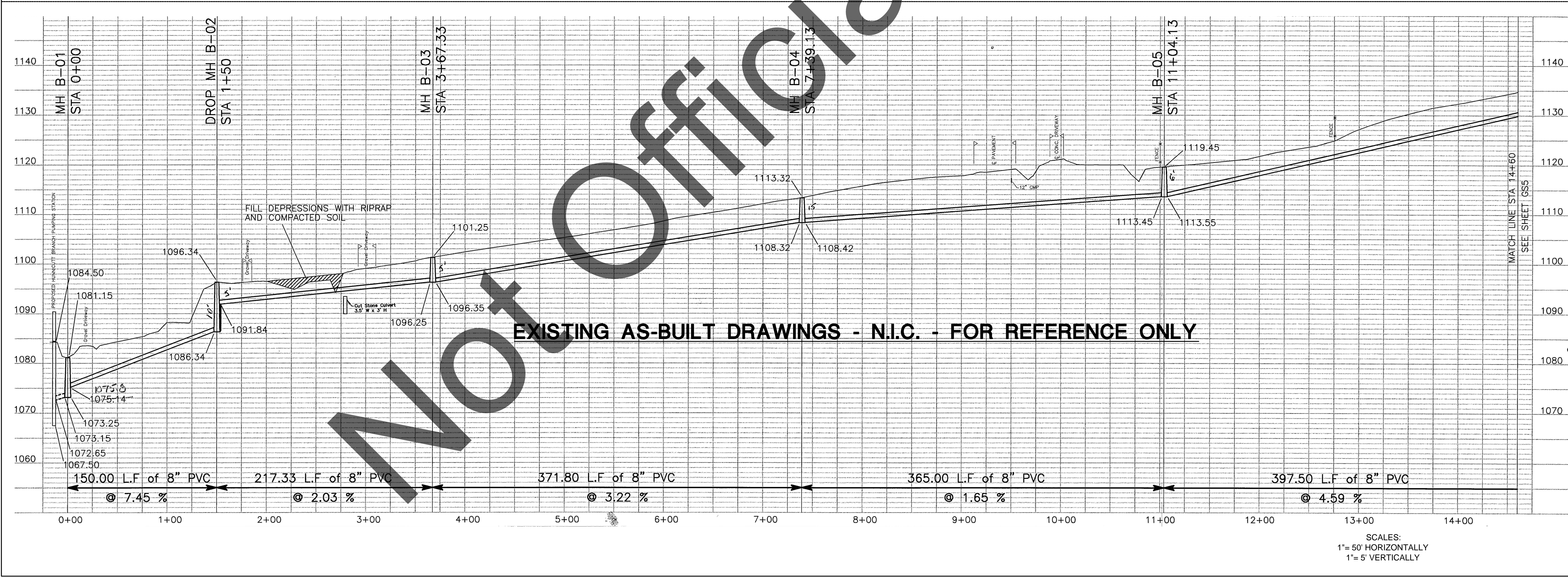


EXISTING AS-BUILT DRAWINGS - N.I.C. - FOR REFERENCE ONLY

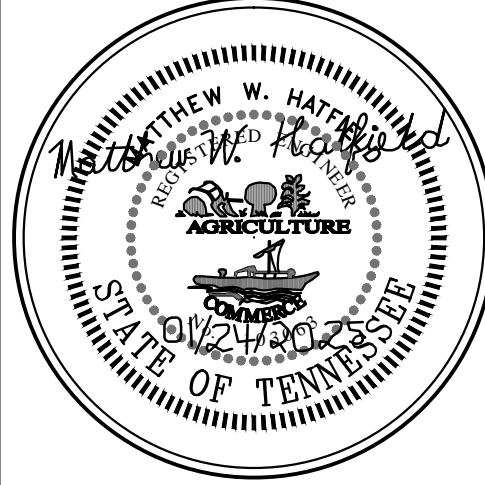
NOTES TO CONTRACTOR

ALL EXISTING UNDERGROUND UTILITIES SUCH AS WATER, SEWER, GAS, ELECTRIC, TELEPHONE AND T.V. CABLE MUST BE FIELD LOCATED AND MARKED BY UTILITY COMPANY BEFORE CONSTRUCTION BEGINS.

FORCE MAIN FM-2 SHALL BE INSTALLED IN A JOINT TRENCH WITH GRAVITY SEWER WITH 2' MIN. HORIZ. SEPARATION AND MIN. DEPTH OF 36 INCHES.



HATFIELD & ALLEN ASSOCIATES ENGINEERING & PLANNING
775 RANDELS ROAD
STRAWBERRY PLAINS, TN 37871
PHONE: (865) 388-5031



TOWN OF DANDRIDGE
ARC SEWER SYSTEM IMPROVEMENTS
DANDRIDGE, TENNESSEE

X-REFERENCED DRAWINGS

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2)	25-128 Base.dwg
3)	
4)	
5)	

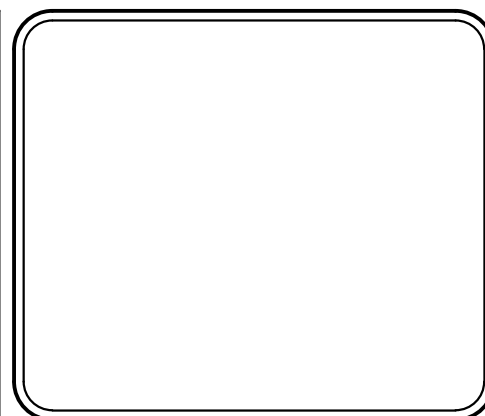
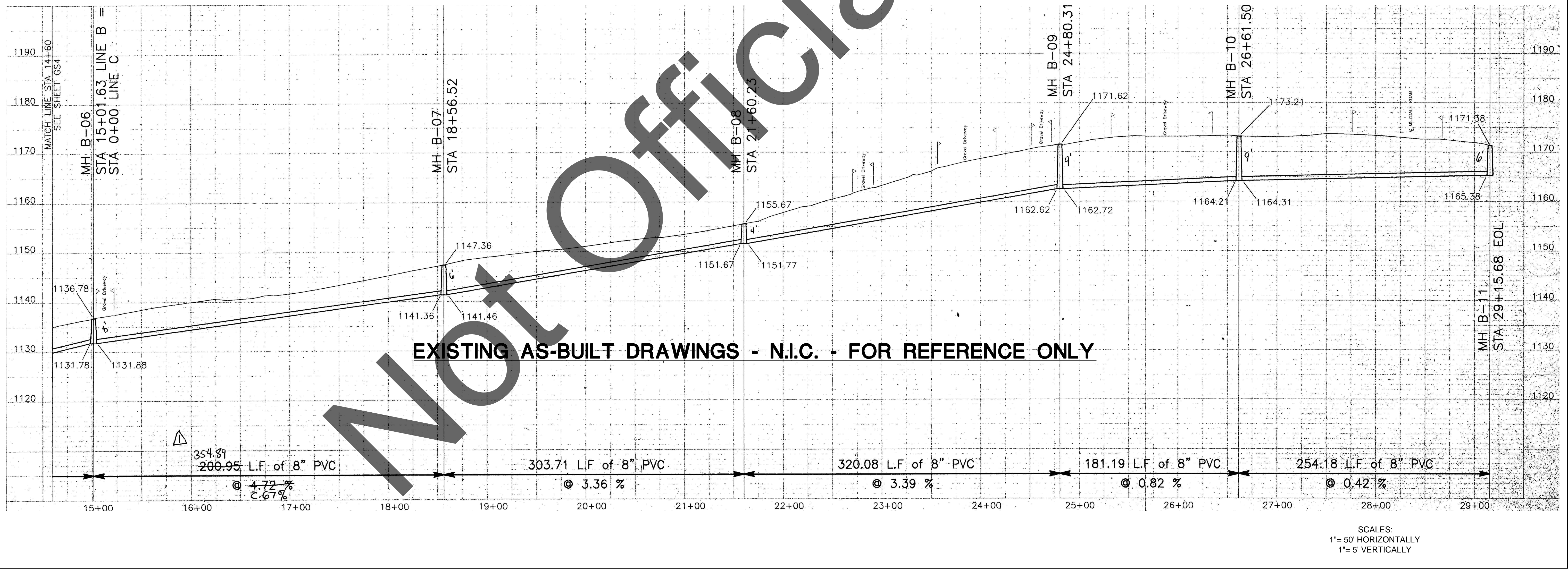
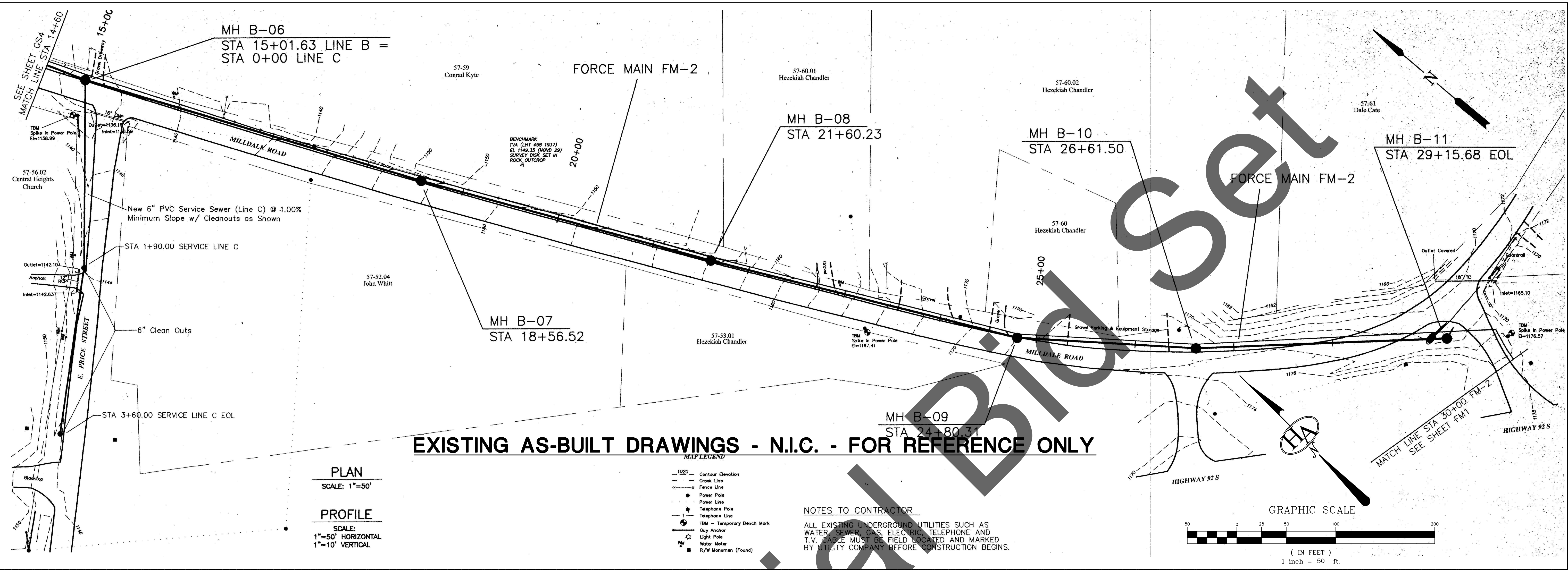
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01/08/2025	REVISED I-40 BRIDGE APRON CROSSING PER DANDRIDGE COMMENTS
01/24/2025	REVISED I-40 CROSSING PROFILE AND VARIOUS NOTES

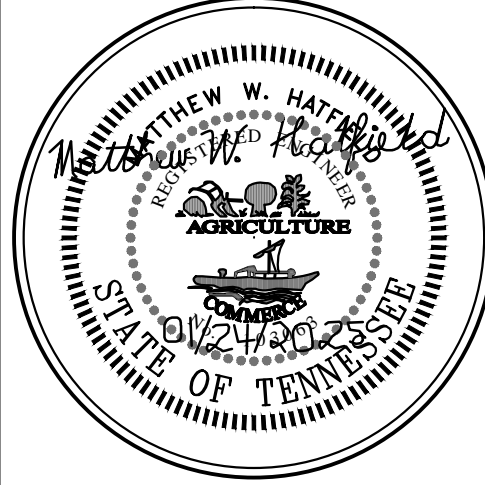
PROJ. NO. ● 25-128
DWG FILE ● 25-128 C-1.7
ISSUE DATE ● 08/15/2024

TOWN OF DANDRIDGE
SANITARY SEWER IMPROVEMENTS
STATION 0+00 TO STATION 15+00

SHEET NUMBER
C-1.7



HATFIELD & ALLEN ASSOCIATES
ENGINEERING & PLANNING
775 RANDELS ROAD
STRAWBERRY PLAINS, TN 37871
PHONE: (865) 388-5031



TOWN OF DANDRIDGE
ARC SEWER SYSTEM
IMPROVEMENTS
DANDRIDGE, TENNESSEE

X-REFERENCED DRAWINGS

1)	25-128 Base-d.dwg
2)	25-128 Base.dwg
3)	
4)	
5)	

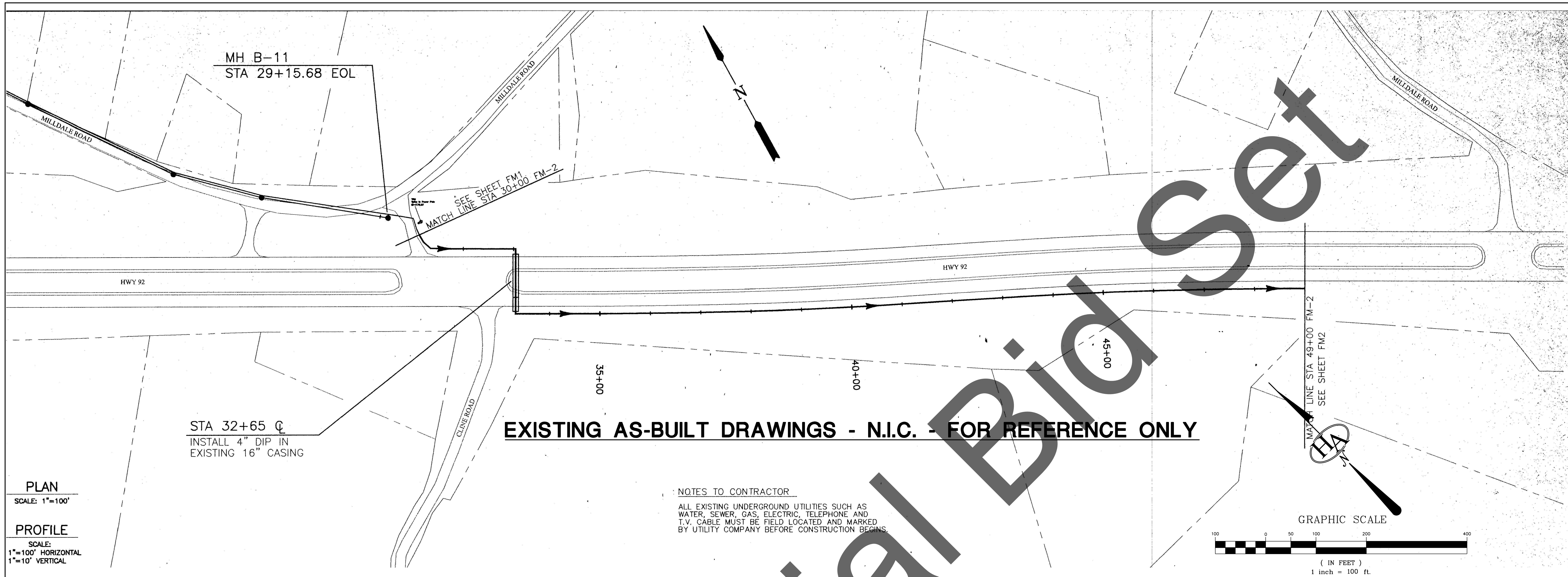
REVISION HISTORY

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11/01/2024	REVISED ROAD CROSSINGS TO OPEN CUT
11/06/2024	REVISED PER DANDRIDGE COMMENTS
01/08/2025	REVISED I-40 BRIDGE APRON CROSSING PER DANDRIDGE COMMENTS
01/24/2025	REVISED I-40 CROSSING PROFILE AND VARIOUS NOTES

PROJ. NO. • 25-128
DWG. FILE • 25-128 C-1.8
ISSUE DATE • 08/15/2024

TOWN OF DANDRIDGE
SANITARY SEWER
IMPROVEMENTS
STATION 15+00
TO
STATION 29+50

SHEET NUMBER
C-1.8

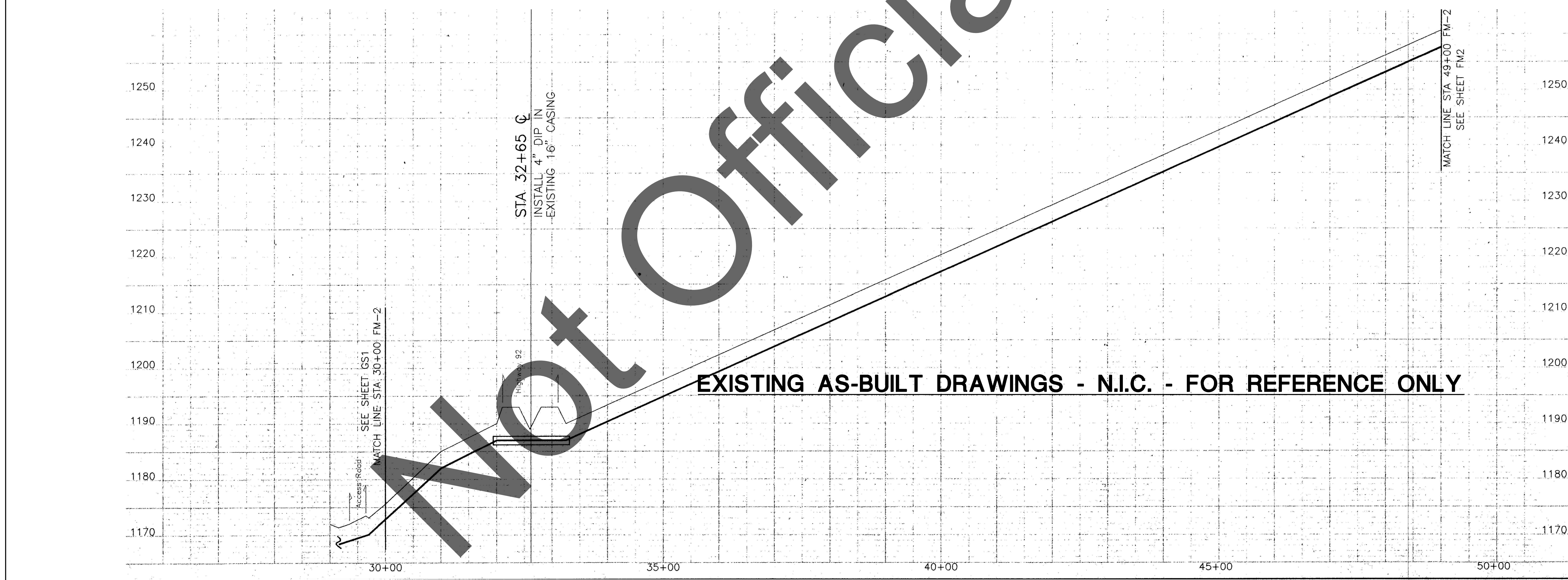
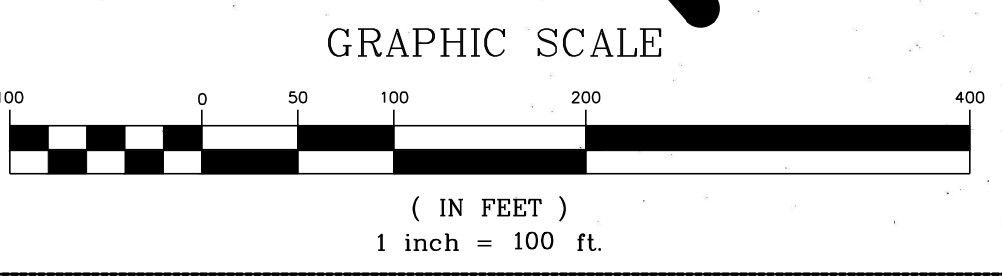


PLAN
SCALE: 1"=100'

PROFILE
SCALE:
1"=100' HORIZONTAL
1"=10' VERTICAL

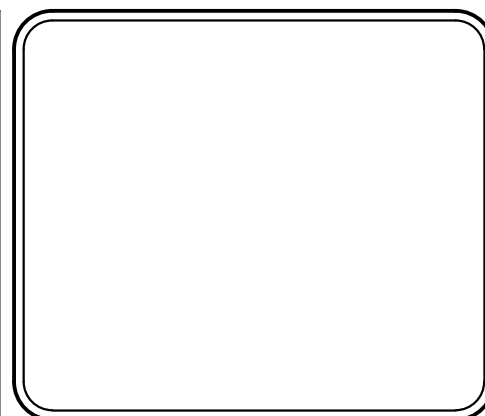
EXISTING AS-BUILT DRAWINGS - N.I.C. - FOR REFERENCE ONLY

NOTES TO CONTRACTOR
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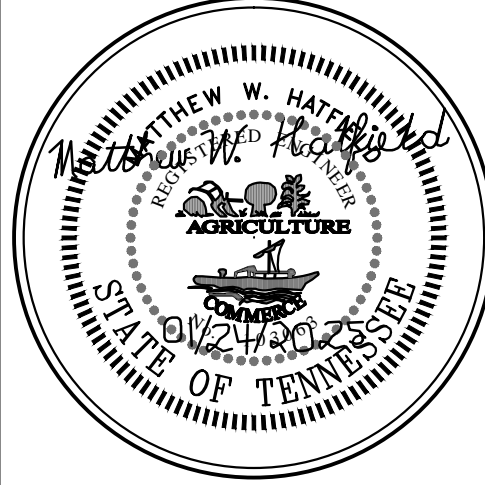


EXISTING AS-BUILT DRAWINGS - N.I.C. - FOR REFERENCE ONLY

SCALES:
1"= 100' HORIZONTALLY
1"= 10' VERTICALLY



HATFIELD & ALLEN ASSOCIATES
ENGINEERING & PLANNING
775 HANDLES ROAD
STRAWBERRY PLAINS, TN 37871
PHONE: (865) 388-5031



TOWN OF DANDRIDGE
ARC SEWER SYSTEM
IMPROVEMENTS
DANDRIDGE, TENNESSEE

X-REFERENCED DRAWINGS

1)	25-128 Bord-d.dwg
2)	25-128 Base.dwg
3)	
4)	
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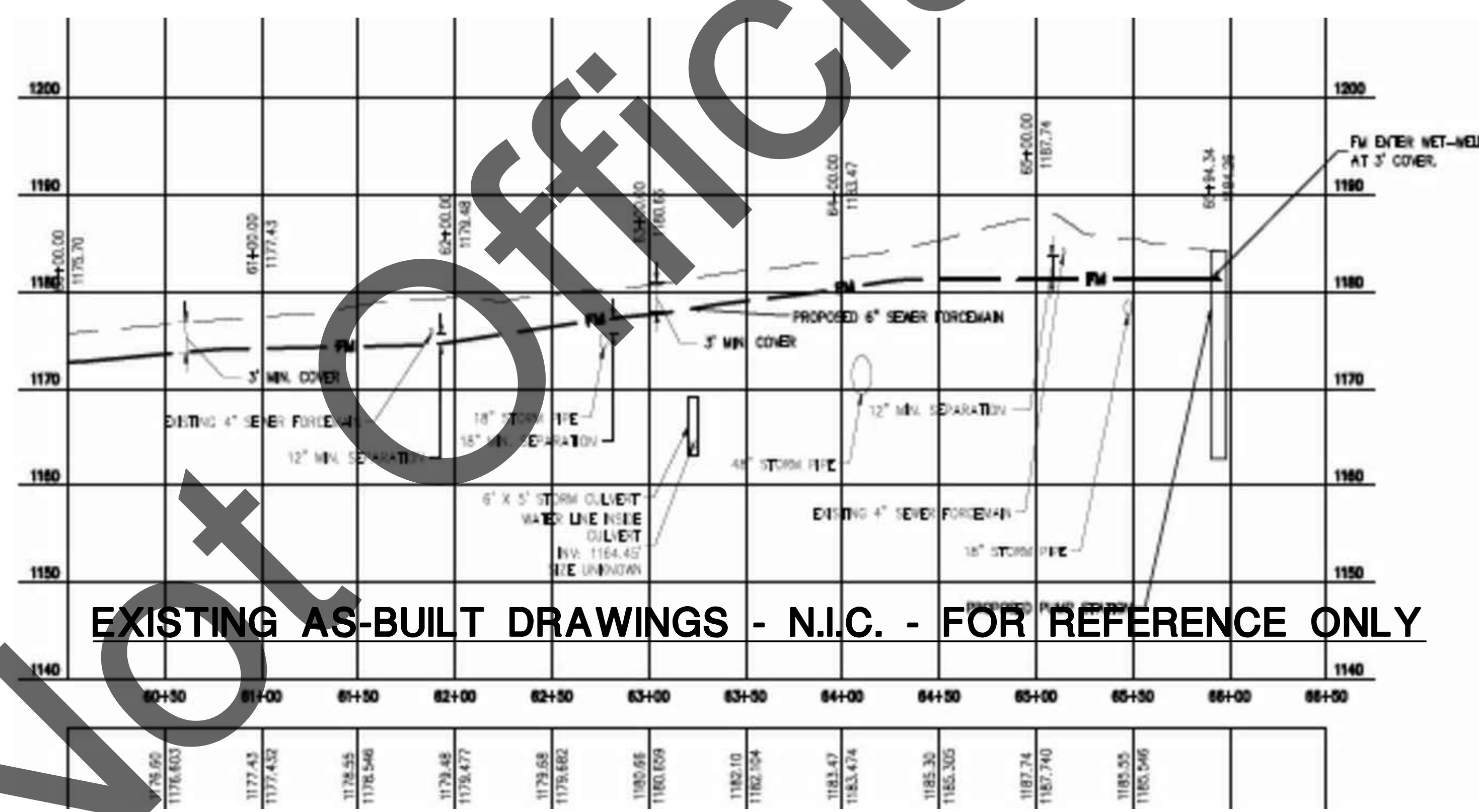
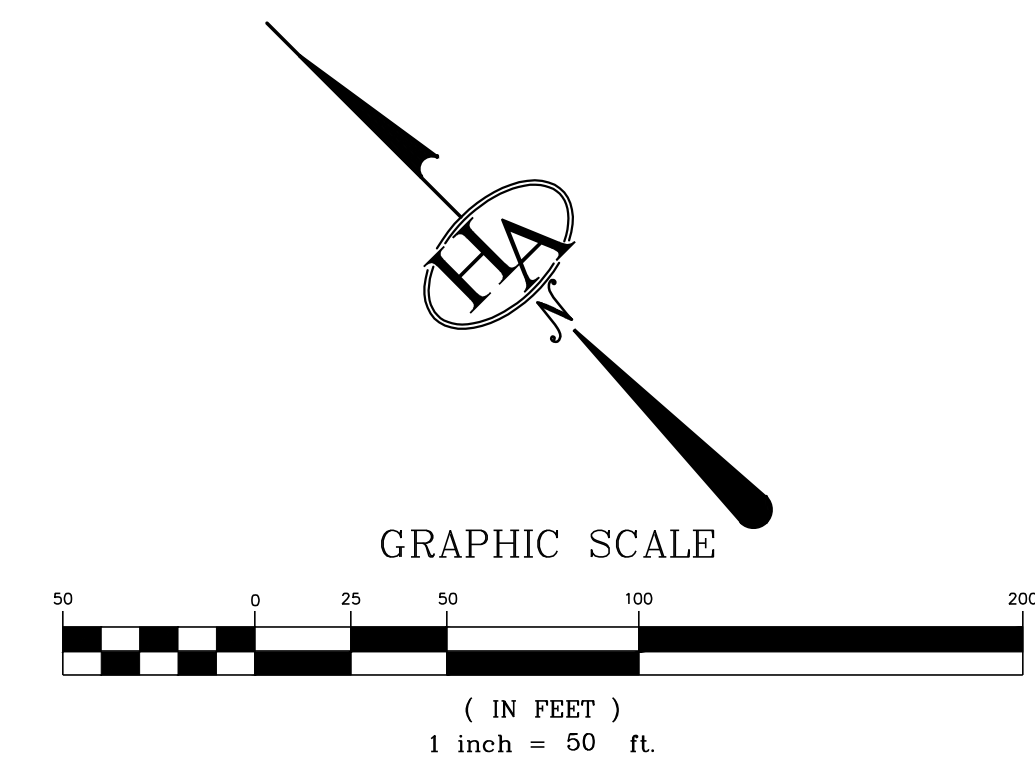
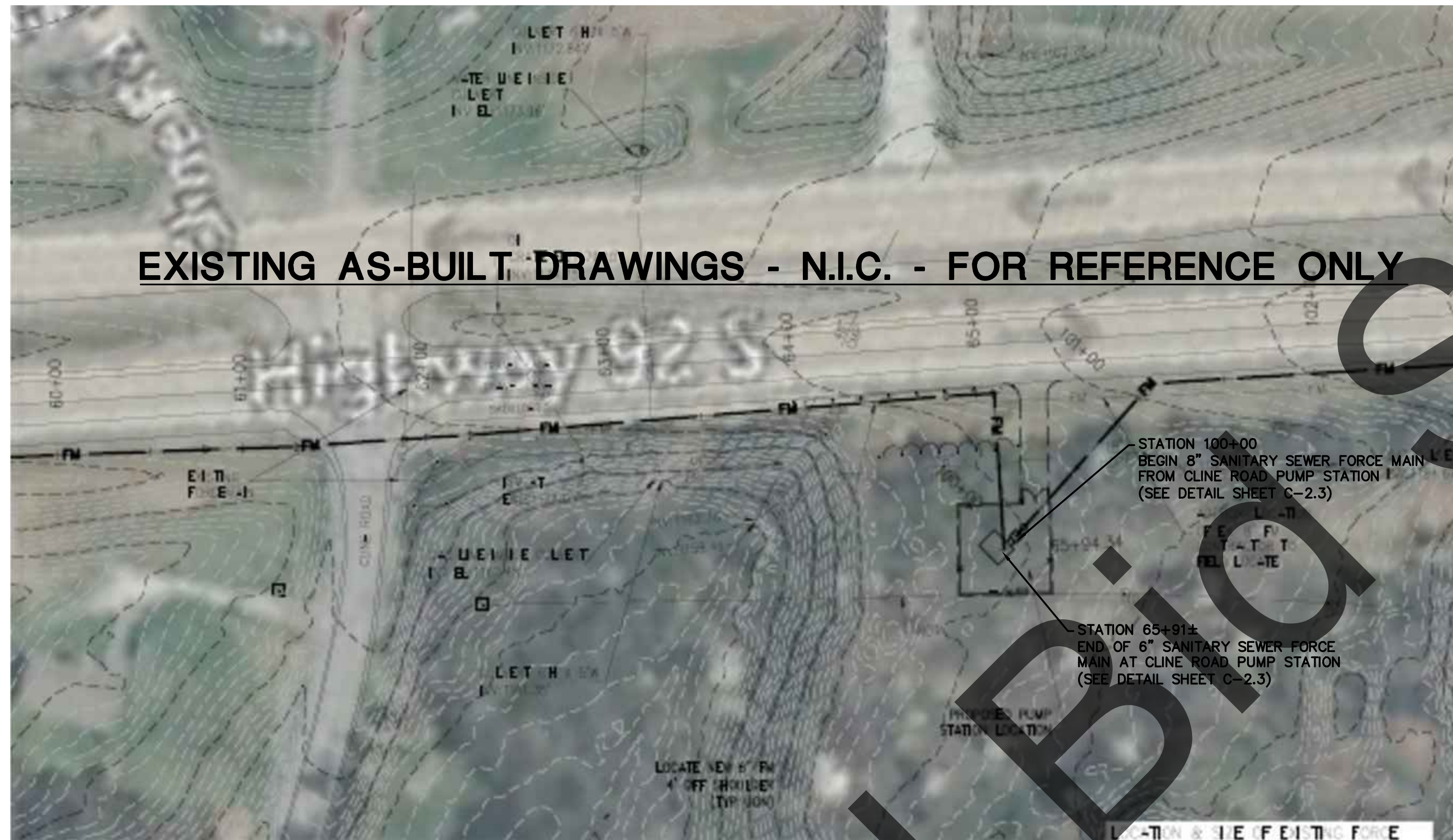
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11/01/2024	REVISED ROAD CROSSINGS TO OPEN CUT
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01/08/2025	REVISED I-40 BRIDGE APRON CROSSING PER DANDRIDGE COMMENTS
01/24/2025	REVISED I-40 CROSSING PROFILE AND VARIOUS NOTES

PROJ. NO. • 25-128
DWG FILE • 25-128 C-1.9
ISSUE DATE • 08/15/2024

TOWN OF DANDRIDGE
SANITARY SEWER
IMPROVEMENTS
STATION 30+00
TO
STATION 50+00

SHEET NUMBER
C-1.9



EXISTING AS-BUILT DRAWINGS - N.I.C. - FOR REFERENCE ONLY

SCALES:
1"= 50' HORIZONTALLY
1"= 5' VERTICALLY

HA
HATFIELD & ALLEN
ASSOCIATES
ENGINEERING & PLANNING
775 RANDELS ROAD
STRAWBERRY PLAINS, TN 37871
PHONE: (865) 388-5031



**TOWN OF DANDRIDGE
ARC SEWER SYSTEM
IMPROVEMENTS**
DANDRIDGE, TENNESSEE

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1)	25-128 Bord-d.dwg
2)	25-128 Base.dwg
3)	
4)	
5)	

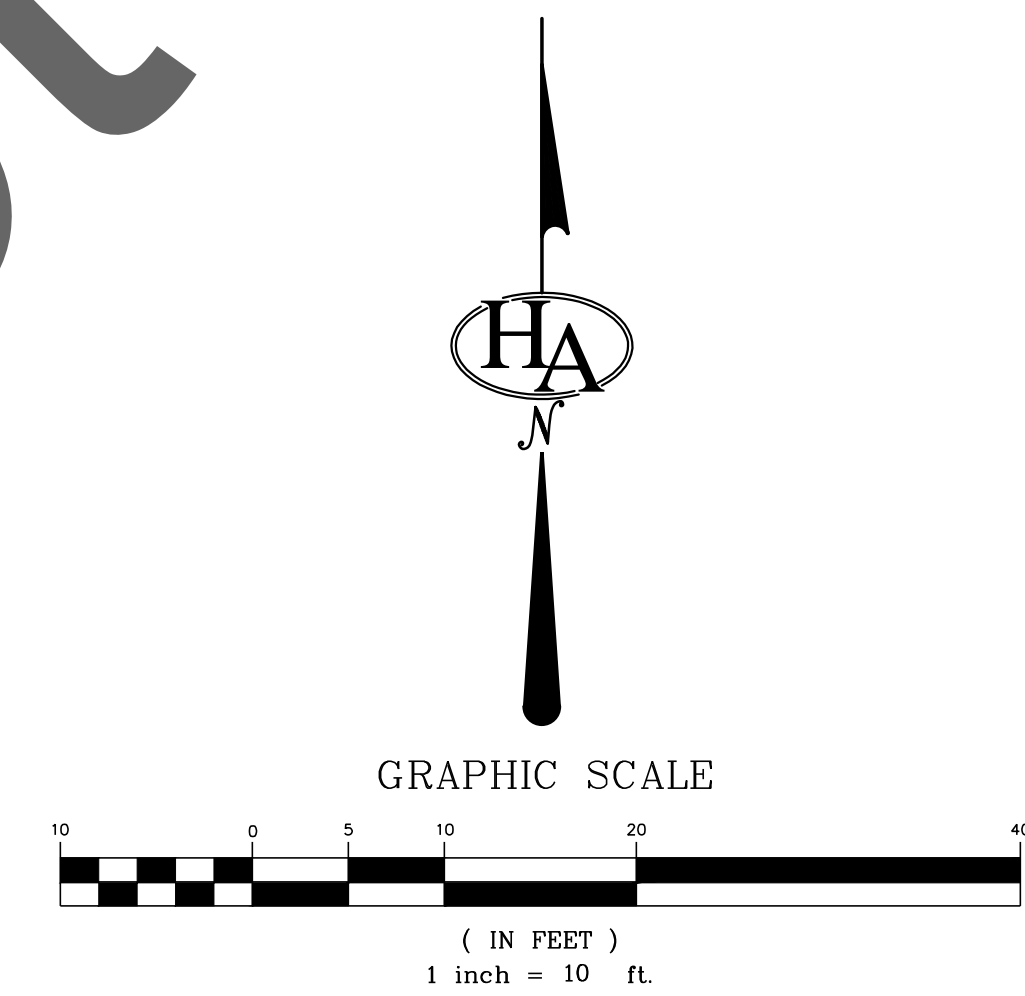
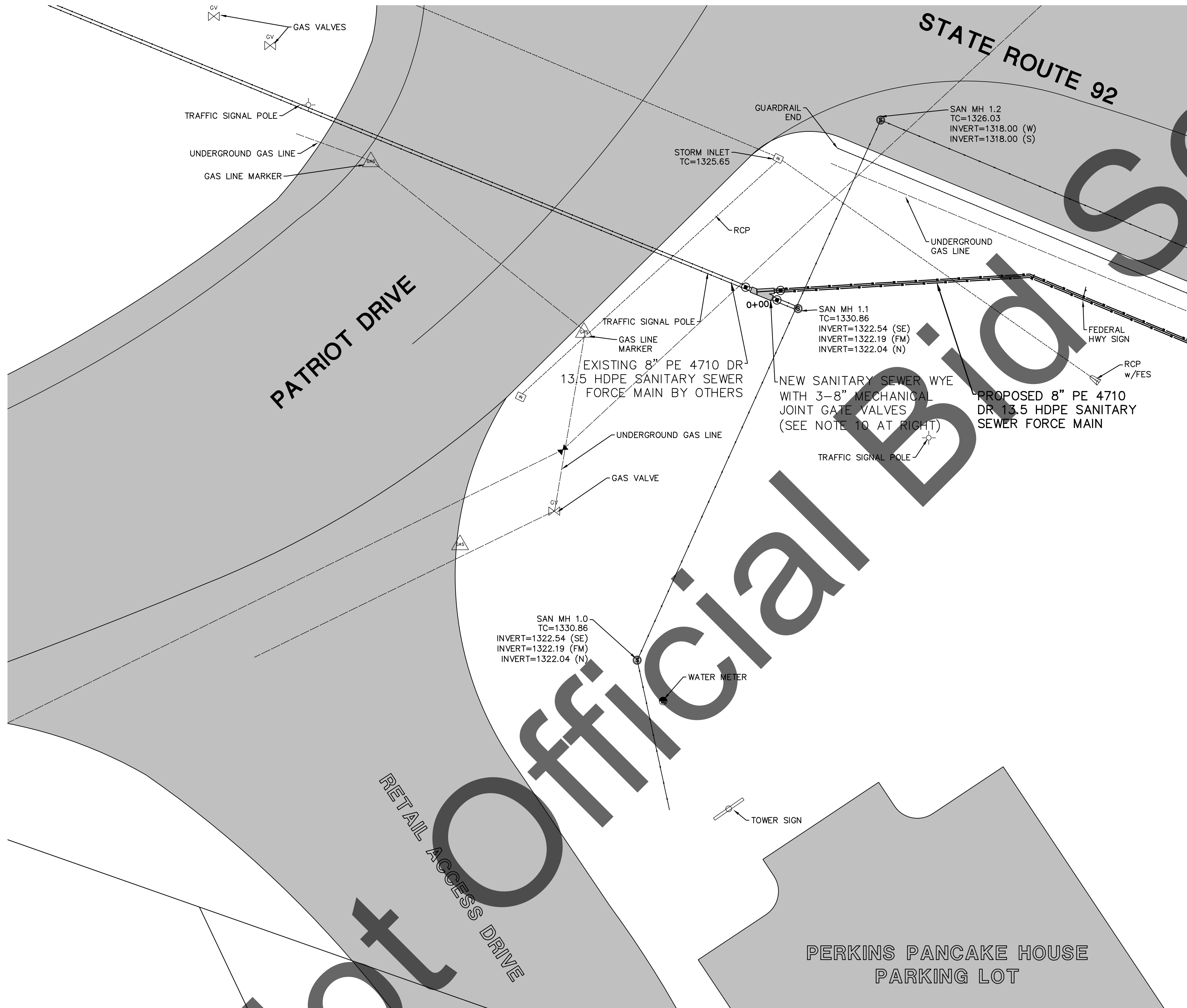
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11/01/2024	REVISED ROAD CROSSINGS TO OPEN CUT
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01/08/2025	REVISED I-40 BRIDGE APRON CROSSING PER DANDRIDGE COMMENTS
01/24/2025	REVISED I-40 CROSSING PROFILE AND VARIOUS NOTES

PROJ. NO. • 25-128
DWG FILE • 25-128 C-1.10
ISSUE DATE • 08/15/2024

**TOWN OF
DANDRIDGE
SANITARY SEWER
IMPROVEMENTS**
STATION 60+00
TO
STATION 66+50

SHEET NUMBER
C-1.10



FORCE MAIN GENERAL NOTES:

1. THE LOCATION OF UTILITIES SHOWN ON THESE PLANS IS APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE TOWN OF DANDRIDGE (865) 397-7420.
2. RIGHT OF WAY AND BOUNDARY INFORMATION SHOWN ON THE PLAN SHEETS HAVE BEEN TAKEN FROM TENNESSEE DEPARTMENT OF TRANSPORTATION PLANS, JEFFERSON COUNTY TAX MAPPING AND OTHER SOURCES. ALL RIGHT OF WAY AND BOUNDARY INFORMATION IS APPROXIMATE ONLY AND SHALL BE DETERMINED BY THE CONTRACTOR IN THE FIELD.
3. THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL THE SEWER LINES AND RELATED ACCESSORIES IN ACCORDANCE WITH THE CURRENT STATE OF TENNESSEE, AND THE TOWN OF DANDRIDGE REGULATIONS AND SPECIFICATIONS.
5. ALL FORCE MEANS, SHALL BE TESTED FOR LEAKAGE BY THE CONTRACTOR. ALL LABOR, MATERIALS, AND EQUIPMENT FOR TESTING, SHALL BE FURNISHED BY THE CONTRACTOR.
6. ALL TESTING SHALL BE PERFORMED IN THE PRESENCE OF A TOWN OF DANDRIDGE REPRESENTATIVE (865) 397-7420.
7. THE MEANS AND METHODS OF CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ADHERENCE TO ALL LOCAL, STATE, AND FEDERAL SAFETY STANDARDS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING EMPLOYEE AND PUBLIC SAFETY THROUGHOUT ALL PHASES OF CONSTRUCTION. HATFIELD & ALLAN ASSOCIATES ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION SITE, SAFETY OR FOR IMPLEMENTATION OF CONSTRUCTION SAFETY.
8. ADD GRIP RINGS TO ALL VALVE INSTALLATIONS.
9. ALL PIPE SHALL BE 8" PE 4710 DR HDPE 13.5 WITH AN INSIDE DIAMETER OF 5.817 INCHES, MINIMUM WALL THICKNESS OF 0.5111 INCHES, AND OUTSIDE DIAMETER OF 9.22 INCHES WITH WELDED END JOINTS AS INDICATED ON THE DRAWINGS AND SHALL CONFORM TO THE SPECIFICATIONS IN THE SPECIFICATION MANUAL FOR THIS PROJECT.
10. A MECHANICAL JOINT TEE MAY BE SUBSTITUTED FOR THE WYE CONNECTION SUPPLIED BY OTHERS.
11. ANY PVC GASKETS REQUIRED FOR THIS PROJECT SHALL COMPLY WITH ASTM F477 AND BE FACTORY INSTALLED.
12. 10 GAUGE COPPER WIRE SHALL BE PLACED IN ALL TRENCHES AND STUBBED UP AT ALL VALVE LOCATIONS.
13. GATE VALVES SHALL MEET AWWA C509 NON-RISING STEM (NRS), O-RING STEM SEAL, COUNTER CLOCKWISE OPENING AS VIEWED FROM THE TOP.
14. FLUSH ENTIRE MAIN AND BRANCH LINE UPON COMPLETION OF LINE INSTALLATION. USE A MINIMUM OF 2.5 FEET PER SECOND FLUSHING VELOCITY TO FLUSH FOREIGN MATERIALS OUT OF VALVES.



**TOWN OF DANDRIDGE
ARC SEWER SYSTEM
IMPROVEMENTS**
DANDRIDGE, TENNESSEE

X-REFERENCED DRAWINGS

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01/08/2025	REVISED I-40 BRIDGE APRON CROSSING PER DANDRIDGE COMMENTS
01/24/2025	REVISED I-40 CROSSING PROFILE AND VARIOUS NOTES

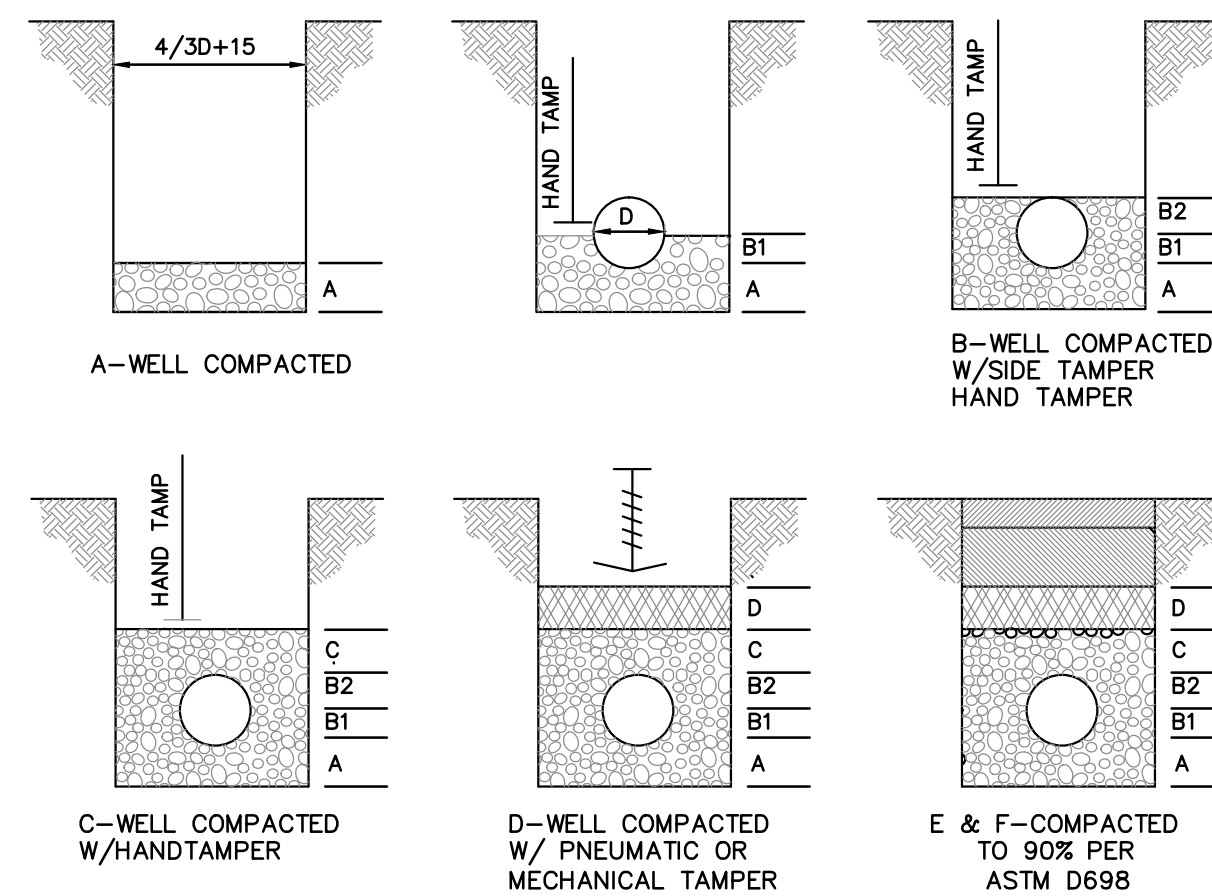
PROJ NO. ● 25-128
DWG FILE ● 25-128 C-2.0
ISSUE DATE ● 08/15/2024

**TOWN OF DANDRIDGE
SANITARY SEWER
FORCE MAIN
CONNECTION**

**SHEET NUMBER
C-2.0**

FORCE MAIN GENERAL NOTES:

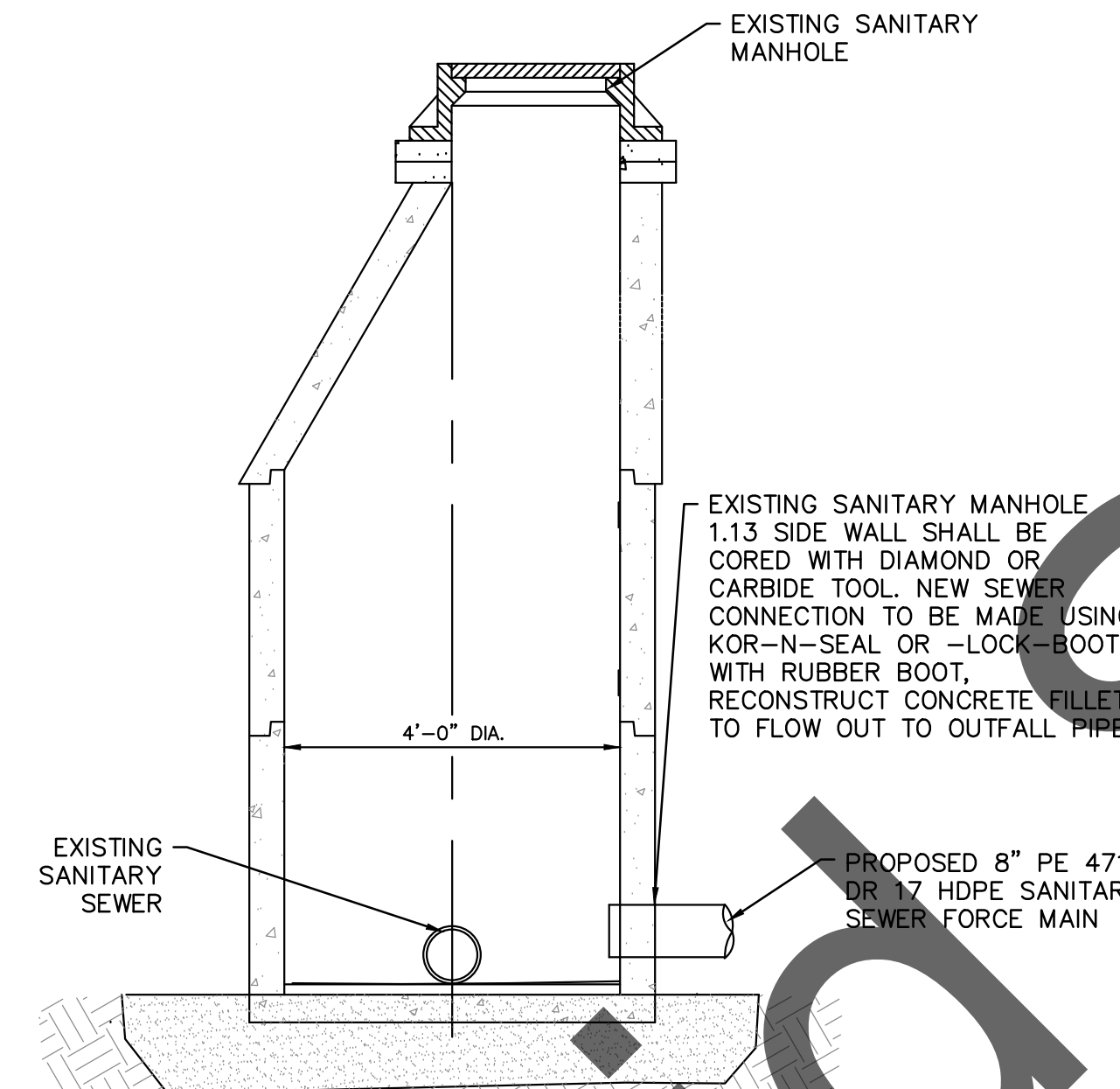
1. THE LOCATION OF UTILITIES SHOWN ON THESE PLANS IS APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE TOWN OF DANDRIDGE (865) 397-7420
2. THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL THE SEWER LINES AND RELATED ACCESSORIES IN ACCORDANCE WITH THE CURRENT STATE OF TENNESSEE, AND THE TOWN OF DANDRIDGE REGULATIONS AND SPECIFICATIONS.
4. ALL FORCE MEANS, SHALL BE TESTED FOR LEAKAGE BY THE CONTRACTOR. ALL LABOR, MATERIALS, AND EQUIPMENT FOR TESTING, SHALL BE FURNISHED BY THE CONTRACTOR.
5. ALL TESTING SHALL BE PERFORMED IN THE PRESENCE OF A THE TOWN OF DANDRIDGE REPRESENTATIVE (865) 397-7420.
6. THE MEANS AND METHODS OF CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ADHERENCE TO ALL LOCAL, STATE, AND FEDERAL SAFETY STANDARDS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING EMPLOYEE AND PUBLIC SAFETY THROUGHOUT ALL PHASES OF CONSTRUCTION. HATFIELD & ALLEN ASSOCIATES ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION SITE, SAFETY OR FOR IMPLEMENTATION OF CONSTRUCTION SAFETY.
7. ADD GRIP RINGS TO ALL VALVE INSTALLATIONS.
8. ALL PIPE SHALL BE 8" PE 4710 DR HDPE 17 WITH AN INSIDE DIAMETER OF 5.817 INCHES, MINIMUM WALL THICKNESS OF 0.5111 INCHES, AND OUTSIDE DIAMETER OF 9.02 INCHES WITH WELDED END JOINTS AS INDICATED ON THE DRAWINGS AND SHALL CONFORM TO THE SPECIFICATIONS IN THE SPECIFICATION MANUAL FOR THIS PROJECT.
9. ANY PVC GASKETS REQUIRED FOR THIS PROJECT SHALL COMPLY WITH ASTM F477 AND BE FACTORY INSTALLED.
10. 10 GAUGE COPPER WIRE SHALL BE PLACED IN ALL TRENCHES AND STUBBED UP AT ALL VALVE LOCATIONS.
11. GATE VALVES SHALL MEET ANWA C509 NON-RISING STEM (NRS), O-RING STEM SEAL, COUNTER CLOCKWISE OPENING AS VIEWED FROM THE TOP.
12. FLUSH ENTIRE MAIN AND BRANCH LINE UPON COMPLETION OF LINE INSTALLATION. USE A MINIMUM OF 2.5 FEET PER SECOND FLUSHING VELOCITY TO FLUSH FOREIGN MATERIALS OUT OF VALVES.



LAYER	DEPTH	MATERIAL
A	6" MIN.	CLASS I FOR PLASTIC PIPE. CLASS I - IV FOR ALL OTHER PIPE
B	VARIES	CLASS I FOR PLASTIC PIPE. CLASS I - IV FOR ALL OTHER PIPE TAMPED IN 6" MAXIMUM LAYERS
C	6"	CLASS I FOR PLASTIC PIPE. CLASS I - IV FOR ALL OTHER PIPE
D	6"	SELECTED BACKFILL MATERIAL - CLASS I - IV FOR ALL OTHER PIPES
E	VARIES	CLASS I - IV FOR ALL PIPE. 75% OF BACKFILL MATERIAL MAY CONTAIN BROKEN STONES NOT EXCEEDING 6" IN DIAMETER TAMPED IN 6" MAXIMUM LAYERS
F	12"	CLASS I - IV FOR ALL PIPE-EXCEPT USE CLASS A. GRADE D. CRUSHED STONE ACROSS OR ALONG EXISTING PAVEMENT UNLESS OTHERWISE NOTED.

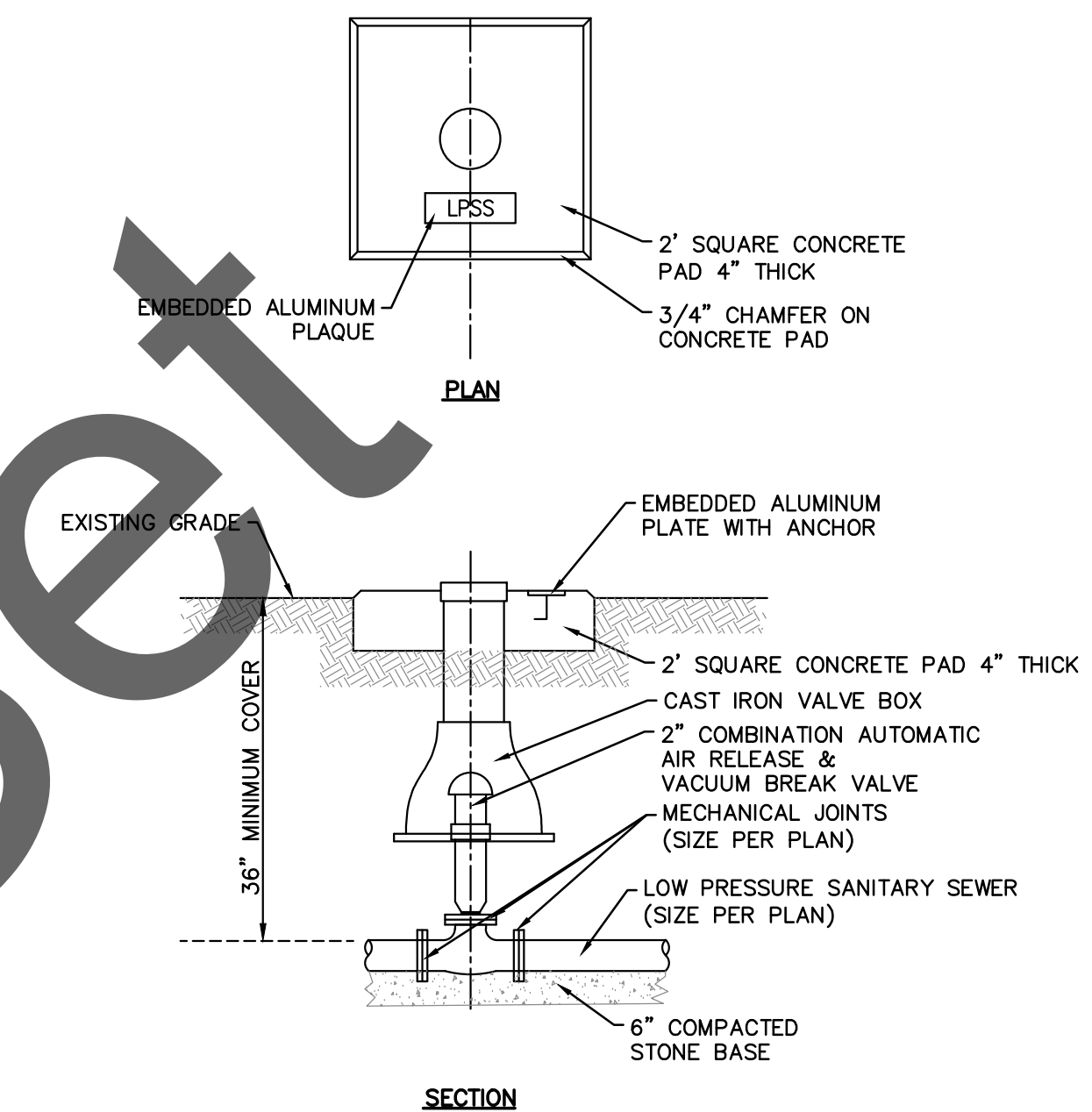
BACKFILLING & COMPACTION OF GRAVITY SEWER TRENCHES IN IMPROVED AREAS

NOT TO SCALE



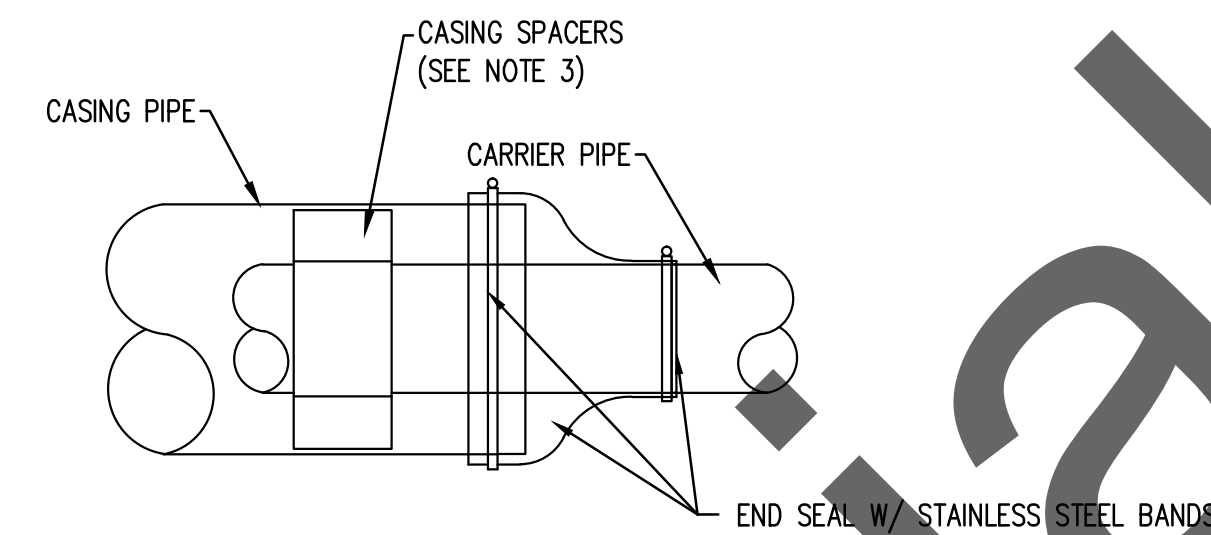
EXISTING SANITARY MANHOLE DETAIL

NOT TO SCALE



AIR RELEASE & VACUUM BREAK VALVE BOX DETAIL

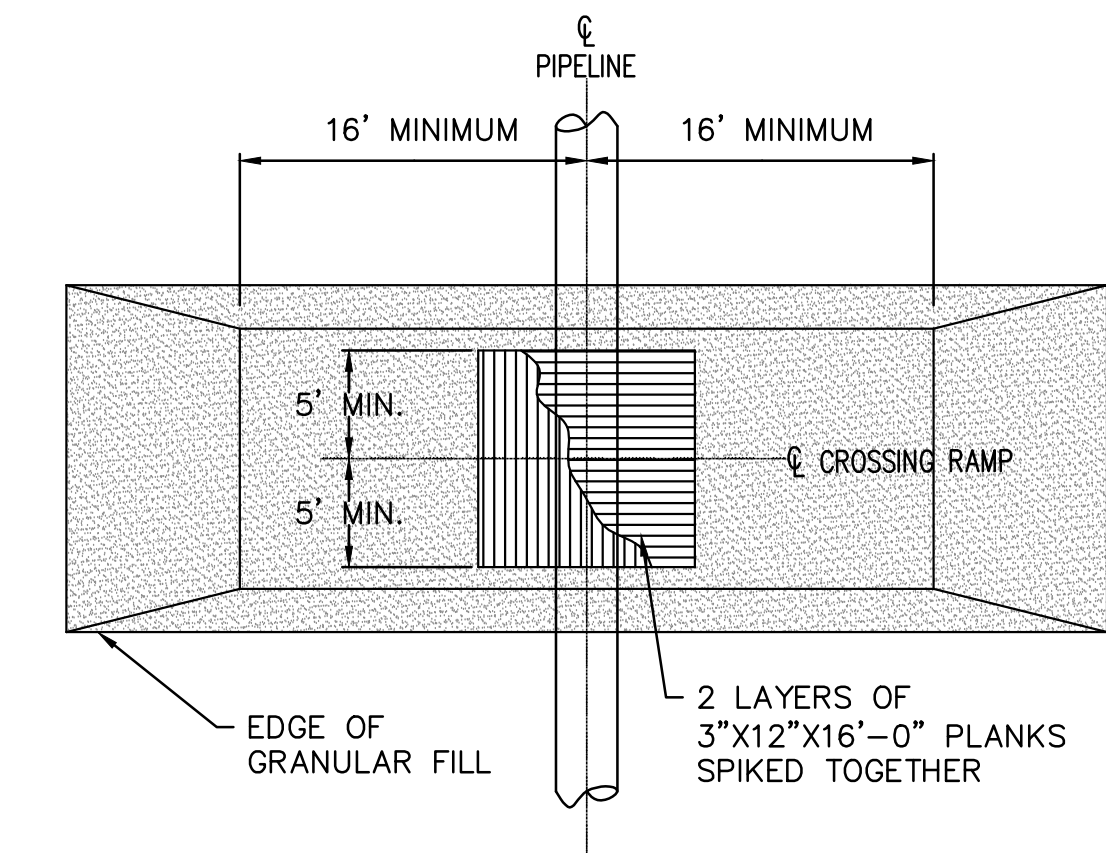
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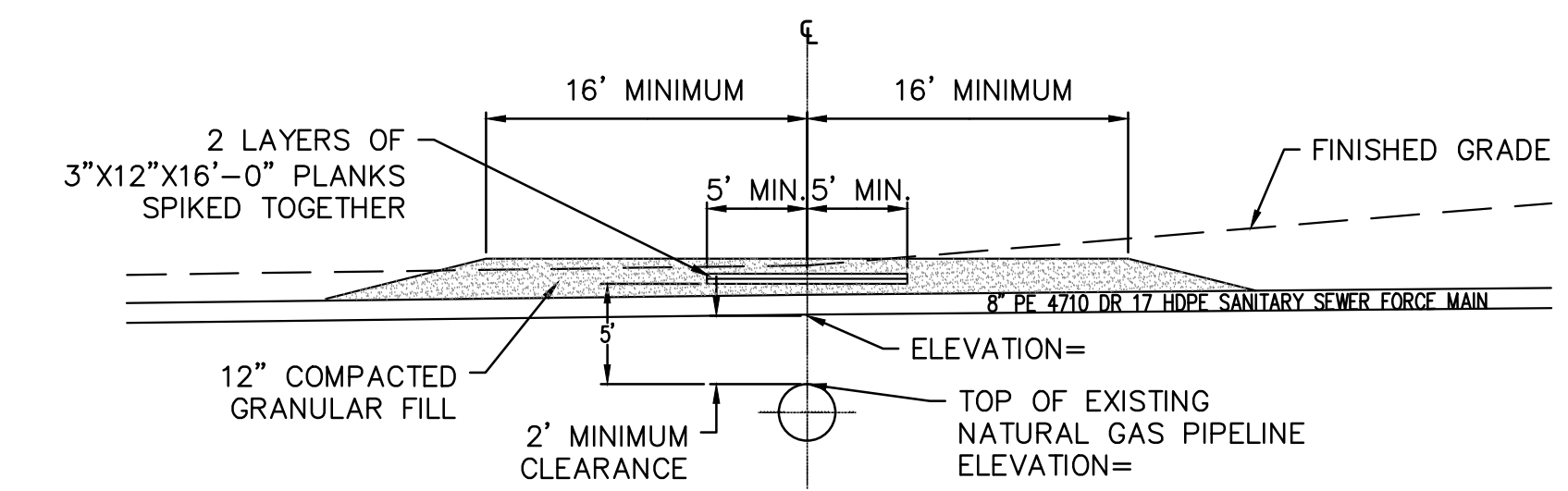
1. FILLING OF ANNULAR SPACE BETWEEN CARRIER PIPE AND CASING PIPE WITH SAND OR PEA GRAVEL IS NOT REQUIRED WHEN UTILIZING CASING SPACERS.
2. WHERE CARRIER PIPE IS NOT CENTERED IN CASING PIPE, PROVIDE CASING SPACERS WITH LEGS THAT EXTEND TO WITHIN 1-INCH OF CASING INSIDE DIAMETER ON ALL SIDES (RESTRAINED TYPE).
3. PROVIDE AMOUNT OF SPACERS AS INSTRUCTED BY SPACER MANUFACTURER, WITH A MINIMUM OF ONE SPACER ON EACH SIDE OF A PIPE JOINT, AND ONE SPACER BETWEEN JOINTS. (THREE PER PIPE LENGTH)

CASING PROFILE DETAIL

NOT TO SCALE



PLAN VIEW

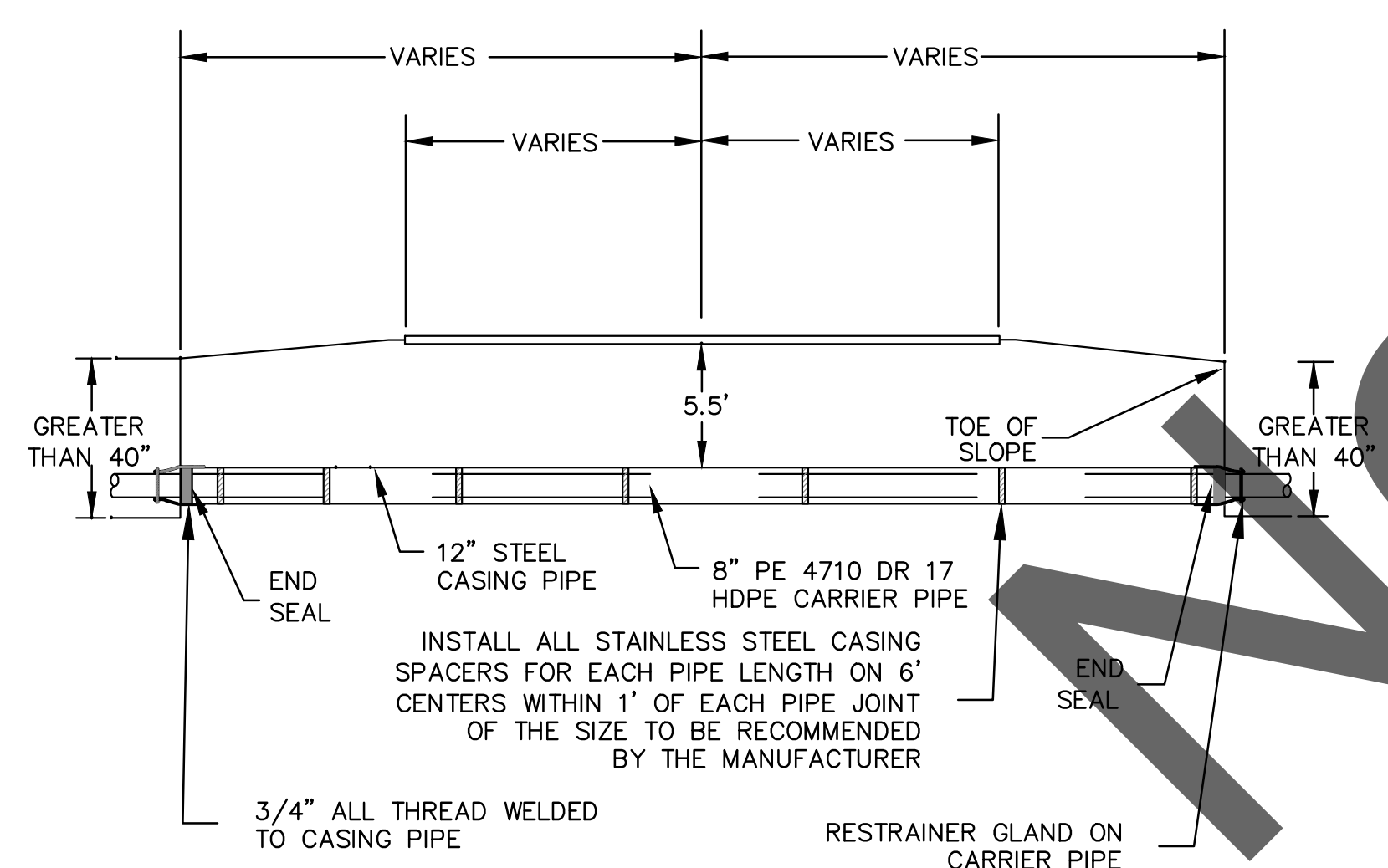


PROFILE VIEW

NOTES:

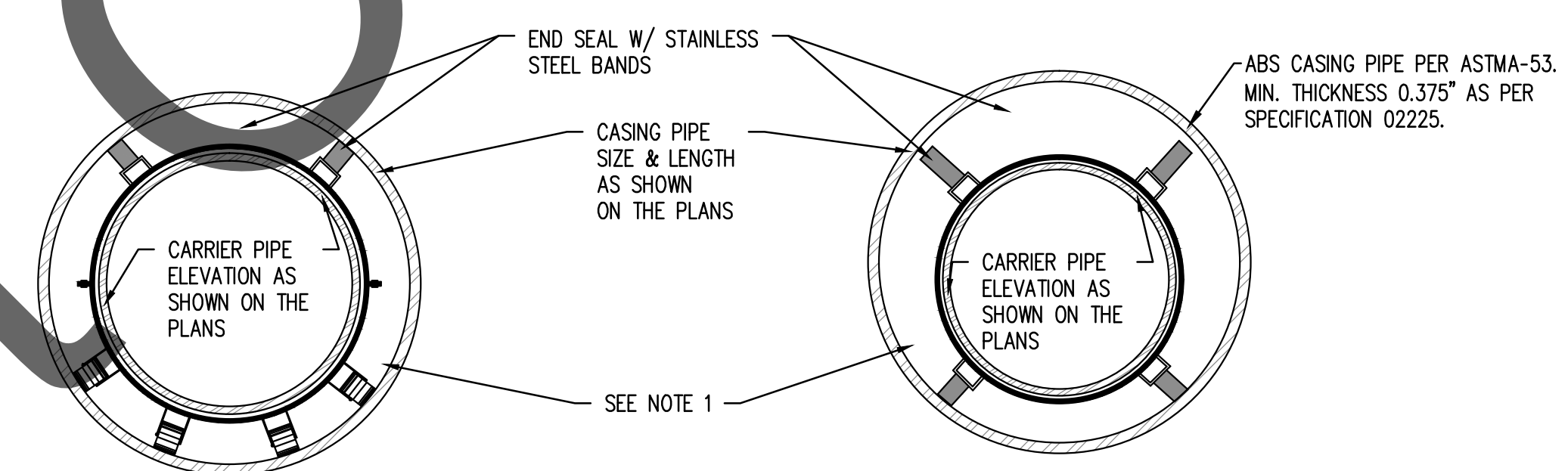
1. ON COMPLETION OF CONSTRUCTION, CONTRACTOR SHALL REMOVE COMPLETE RAMP AND RESTORE AREA TO ORIGINAL CONDITION.
2. IN ROCK TERRAIN, PIPES WILL BE EXPOSED AND DITCH BACKFILLED WITH COMPACTION SAND OR SELECTED FILL.
3. TO CROSS MORE THAN ONE EXISTING PIPELINE, ONE CONTINUOUS RAMP SHALL BE CONSTRUCTED ACROSS THESE LINES.
4. LENGTH OF RAMP TO VARY IN ACCORDANCE WITH CROSSING ANGLE.
5. ALL WORK WITHIN 30' HORIZONTAL FEET SURROUNDING THE EXISTING GAS PIPELINE SHALL BE COMPLETED UNDER THE SUPERVISION OF A REPRESENTATIVE OF THE GAS PIPELINE OWNER.

NATURAL GAS PIPELINE CROSSING DETAIL



ROAD CROSSING CASING PIPE DETAIL

NOT TO SCALE



1. FILLING OF ANNULAR SPACE BETWEEN CARRIER PIPE AND CASING PIPE WITH SAND OR PEA GRAVEL IS NOT REQUIRED WHEN UTILIZING CASING SPACERS.
2. WHERE CARRIER PIPE IS NOT CENTERED IN CASING PIPE, PROVIDE CASING SPACERS WITH LEGS THAT EXTEND TO WITHIN 1-INCH OF CASING INSIDE DIAMETER ON ALL SIDES (RESTRAINED TYPE).
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CASING PIPE SPACER DETAIL

NOT TO SCALE

HA
HATFIELD & ALLEN ASSOCIATES
ENGINEERING & PLANNING
775 RANDELS ROAD
STRAWBERRY PLAINS, TN 37871
PHONE: (865) 388-5031



**TOWN OF DANDRIDGE
ARC SEWER SYSTEM
IMPROVEMENTS**
DANDRIDGE, TENNESSEE

X-REFERENCED DRAWINGS

1)	25-128 Bord-d.dwg
2)	25-128 Base.dwg
3)	
4)	
5)	

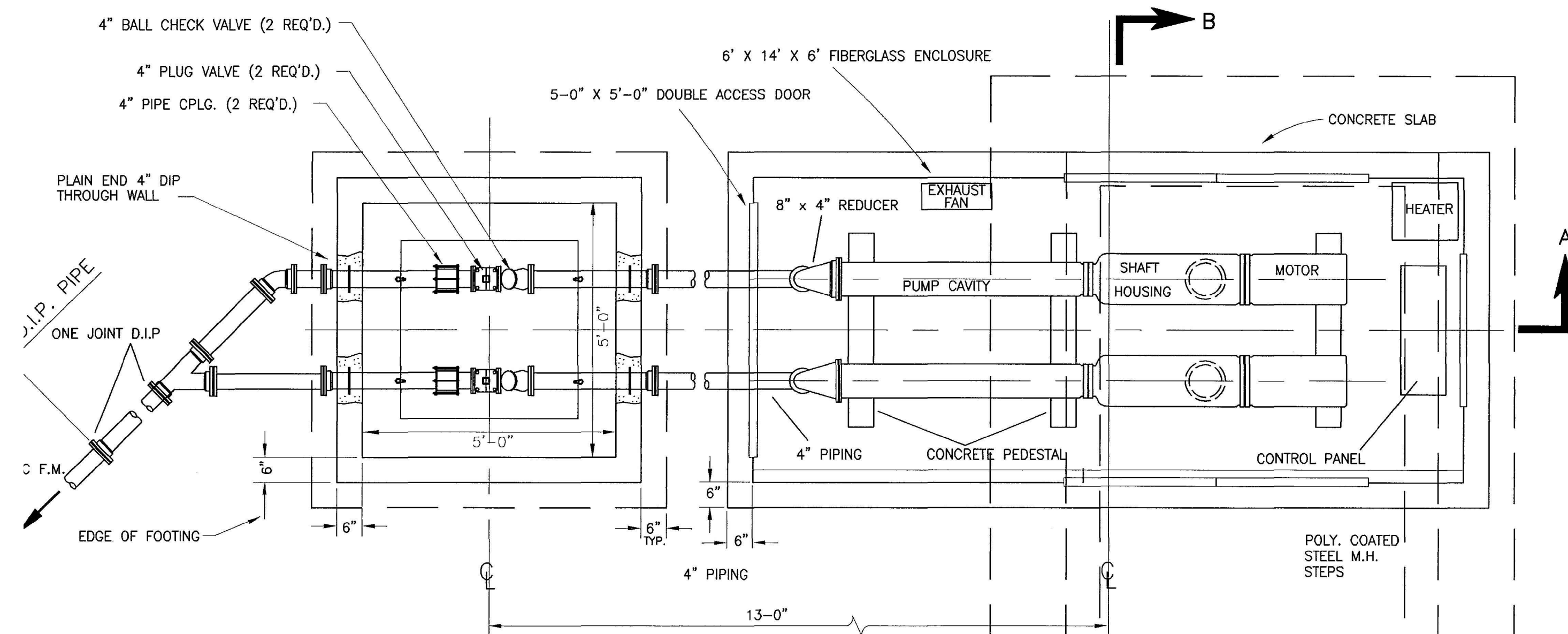
REVISION HISTORY

10/21/2024	REVISED AND ADDED PLAN NOTES
10/31/2024	REVISED PIPELINE MATERIAL AND ROAD CROSSINGS
11/01/2024	REVISED ROAD CROSSINGS TO OPEN CUT
11/06/2024	REVISED PER DANDRIDGE COMMENTS
01/08/2025	REVISED I-40 BRIDGE APRON CROSSING PER DANDRIDGE COMMENTS
01/24/2025	REVISED I-40 CROSSING PROFILE AND VARIOUS NOTES

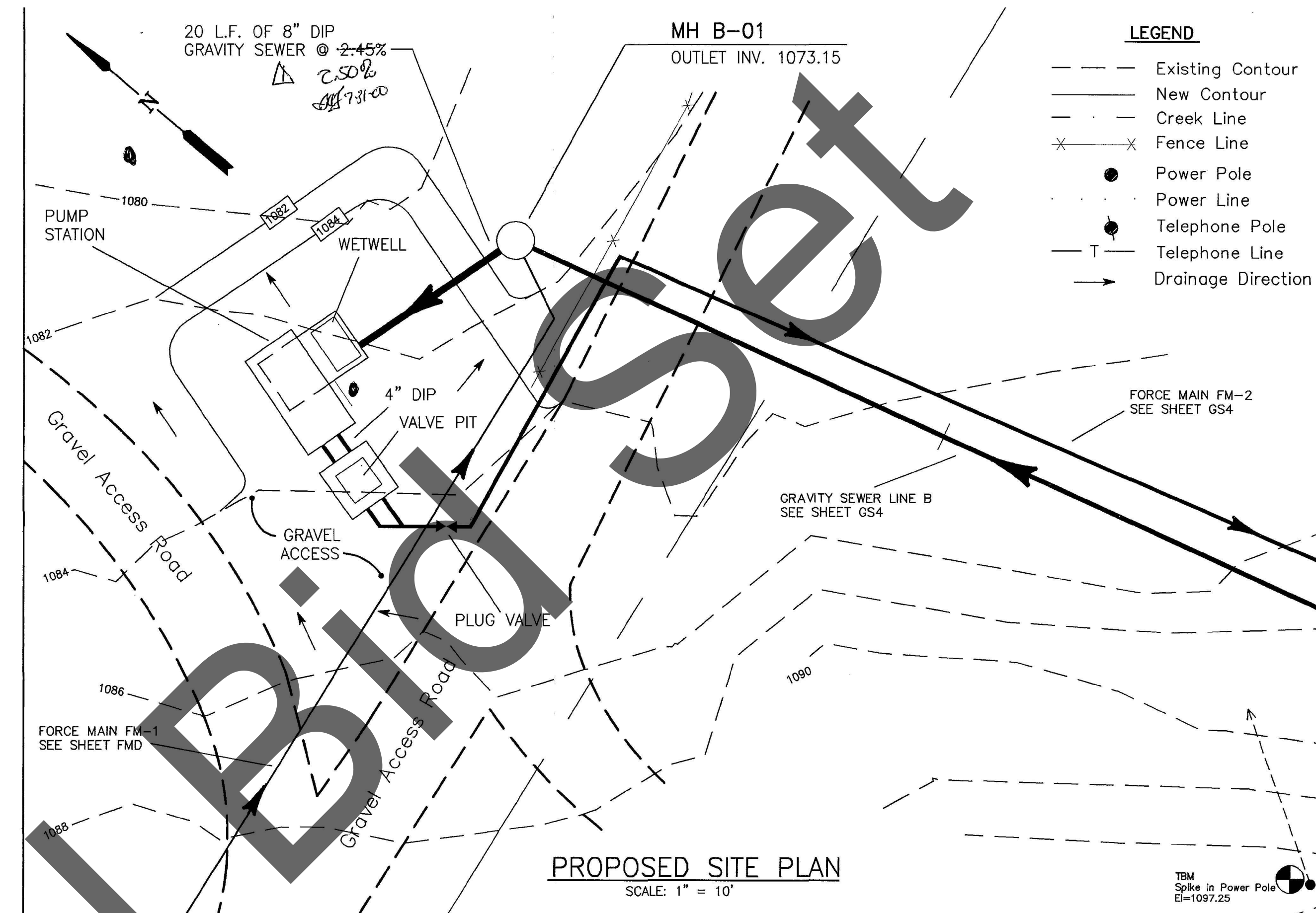
PROJ NO. • 25-128
DWG FILE • 25-128 C-2.1
ISSUE DATE • 08/15/2024

**TOWN OF DANDRIDGE
SANITARY SEWER
FORCE MAIN
DETAILS**

SHEET NUMBER
C-2.1



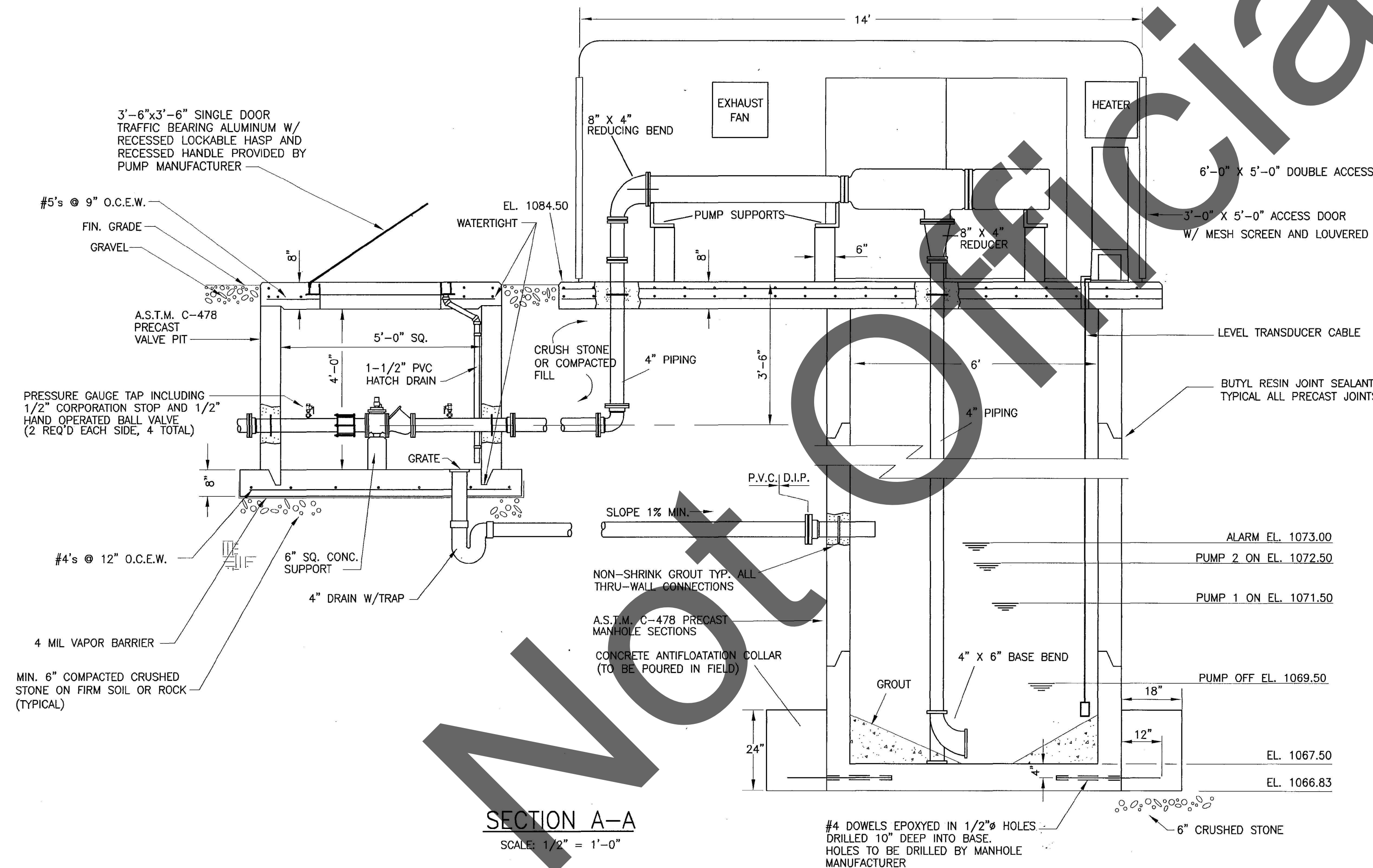
PLAN VIEW
SCALE: 1/2" = 1'-0"



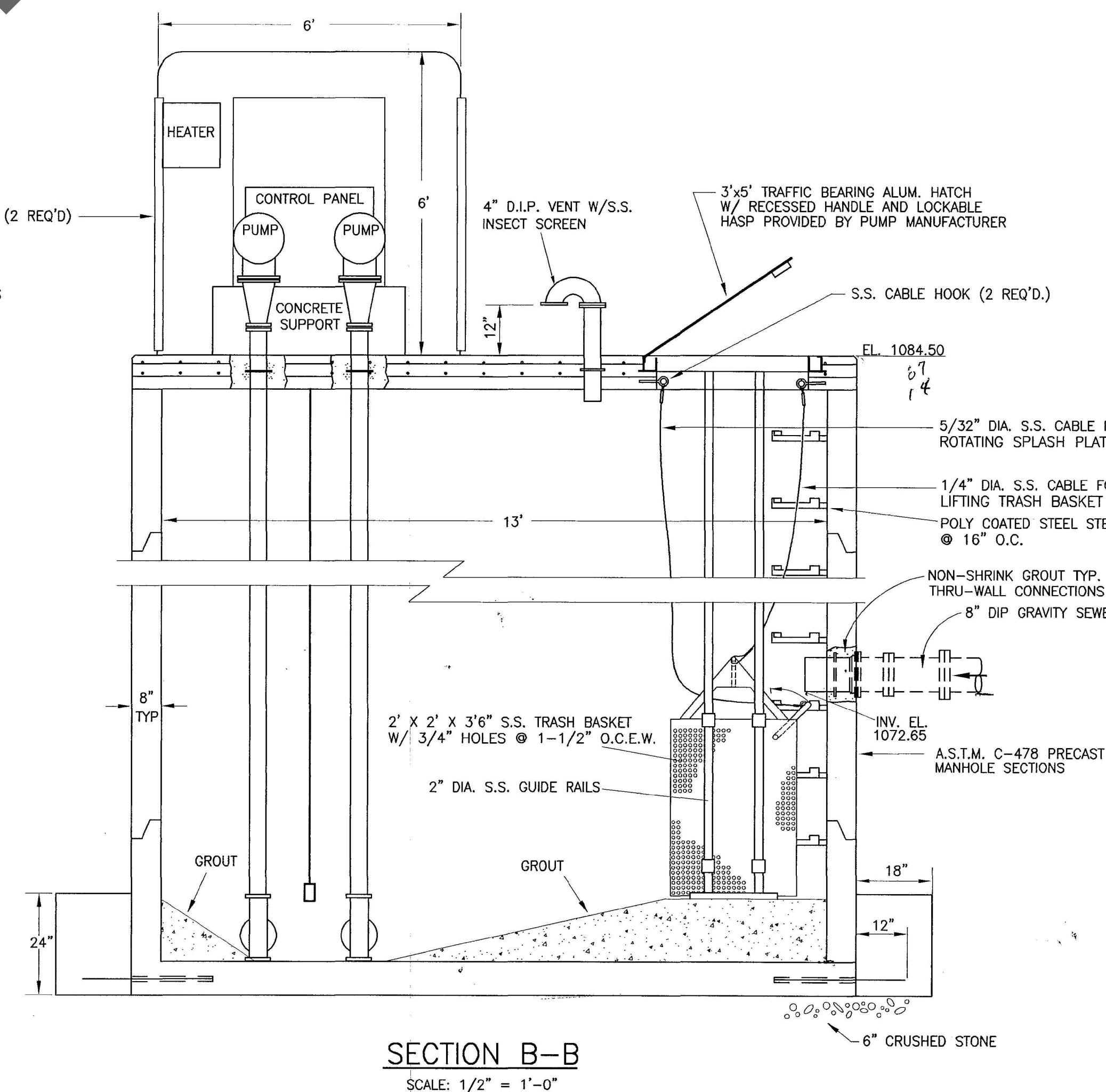
PROPOSED SITE PLAN
SCALE: 1" = 10'

- LEGEND**
- Existing Contour
 - New Contour
 - - - Creek Line
 - x-x- Fence Line
 - Power Pole
 - Power Line
 - Telephone Pole
 - T- Telephone Line
 - Drainage Direction

EXISTING AS-BUILT DRAWINGS - N.I.C. - FOR REFERENCE ONLY



SECTION A-A
SCALE: 1/2" = 1'-0"



SECTION B-B
SCALE: 1/2" = 1'-0"

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TOWN OF DANDRIDGE
ARC SEWER SYSTEM
IMPROVEMENTS
DANDRIDGE, TENNESSEE

X-REFERENCED DRAWINGS

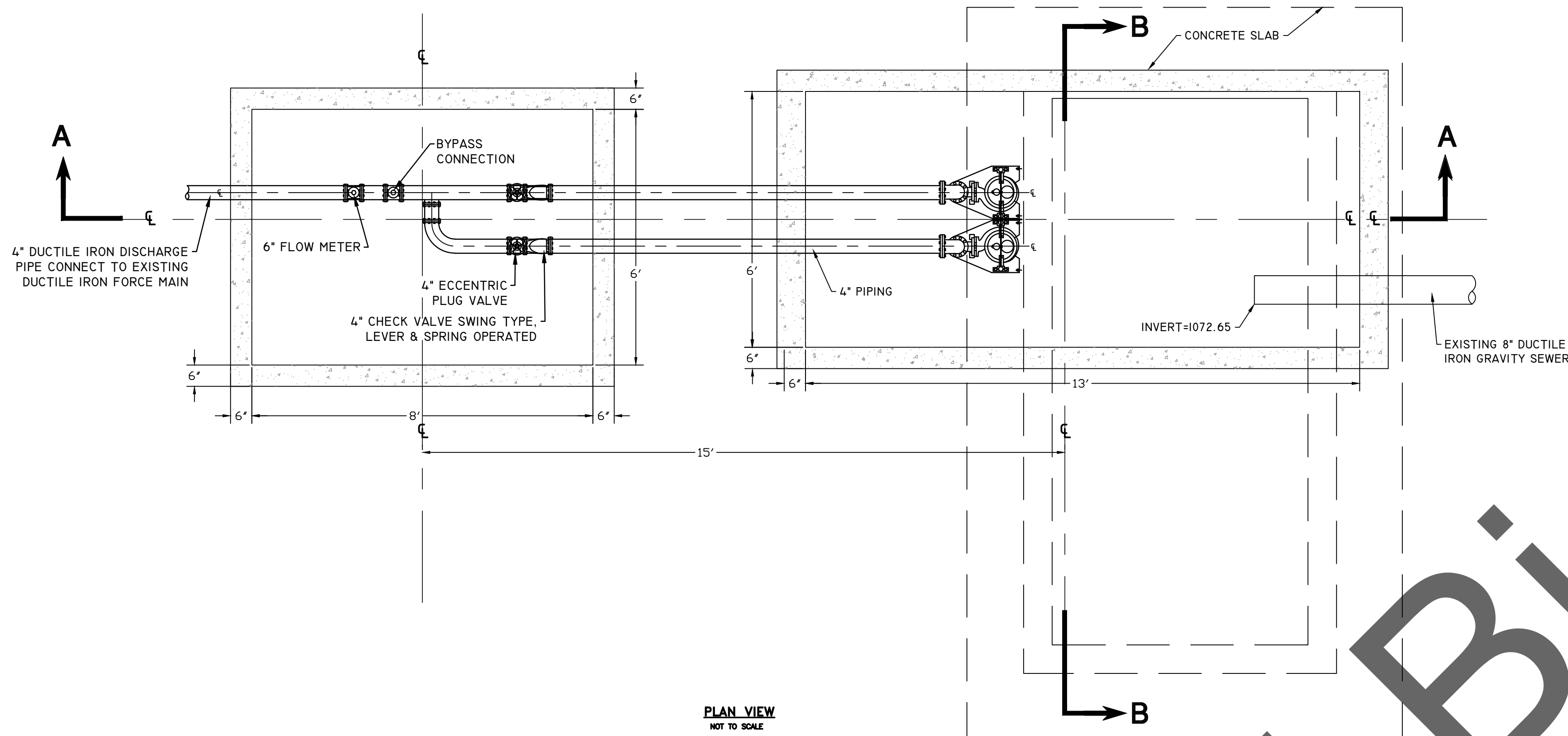
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2)	25-128 Base.dwg
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4)	
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REVISION HISTORY

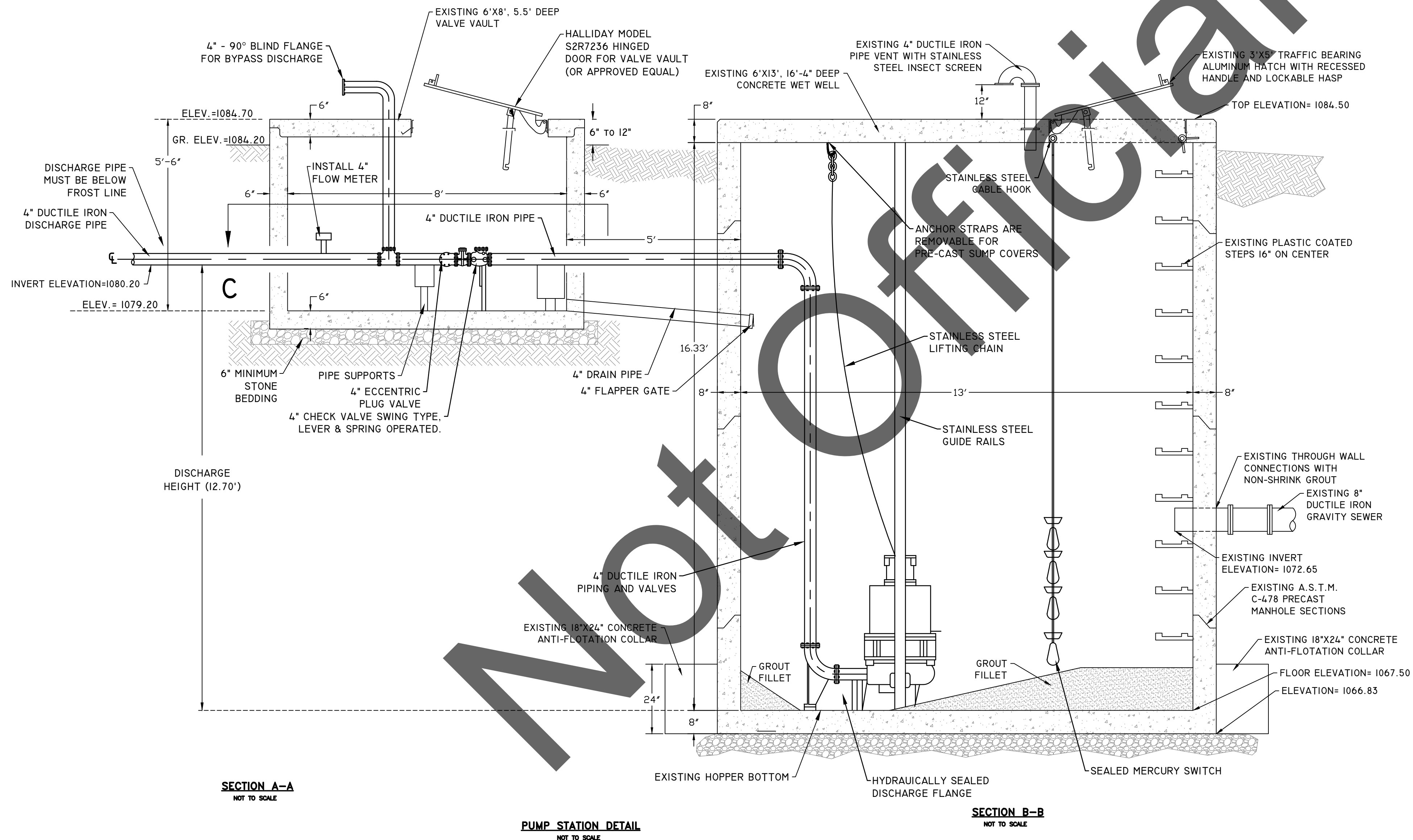
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01/24/2025	REVISED I-40 CROSSING PROFILE AND VARIOUS NOTES

PROJ. NO. ● 25-128
DWG. FILE ● 25-128 C-2.2
ISSUE DATE ● 08/15/2024

TOWN OF
DANDRIDGE
SANITARY SEWER
IMPROVEMENTS
MILLDALE PUMP
STATION EXISTING
CONDITIONS PLAN
SHEET NUMBER
C-2.2

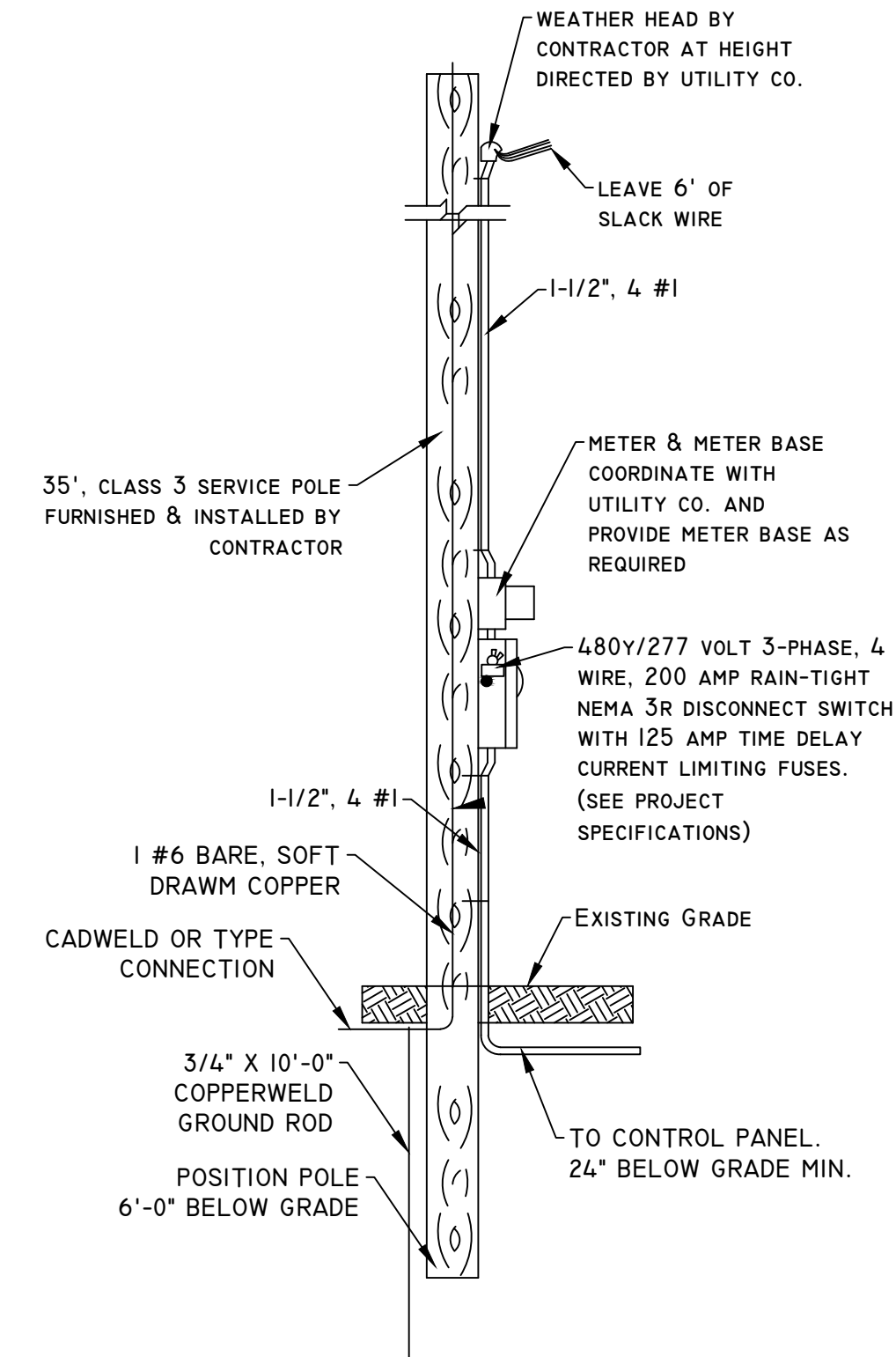


EXISTING WET WELL AS-BUILT DRAWINGS - N.I.C. - FOR REFERENCE ONLY



NOTES:

1. THE PUMP SYSTEM TO BE A DUPLEX THREE PHASE PUMP SYSTEM CAPABLE OF DELIVERING 150 GPM @ 184 FEET OF TDH.
2. EACH PUMP AND MOTOR SHALL BE CAPABLE OF PROVIDING ABOVE CONDITIONS.
3. THE EXISTING VALVE VAULT AND WET WELL ARE TO BE USED. THE CONTRACTOR SHALL INSTALL THE NEW SUBMERSIBLE PUMPS AND MOTORS, INCLUDING NEW GUIDE RAILS, LIFTING CHAINS, FLOAT SWITCHES, FOG ROD, CONTROLS AND WIRING NECESSARY TO HAVE A COMPLETE AND FUNCTIONAL PUMP STATION. THE EXISTING PUMPS MUST BE KEPT OPERATIONAL DURING ALL PHASES OF CONSTRUCTION UNTIL AUTHORIZED TO BE SHUT DOWN BY THE OWNER. THE CONTRACTOR IS TO MAKE ALL PIPING CONNECTIONS REQUIRED TO PLUMB THE NEW SUBMERSIBLE PUMPS INTO THE EXISTING VALVE VAULT AND DISCHARGE PIPING.



RISER POLE DETAIL
NOT TO SCALE



**TOWN OF DANDRIDGE
ARC SEWER SYSTEM
IMPROVEMENTS**
DANDRIDGE, TENNESSEE

X-REFERENCED DRAWINGS

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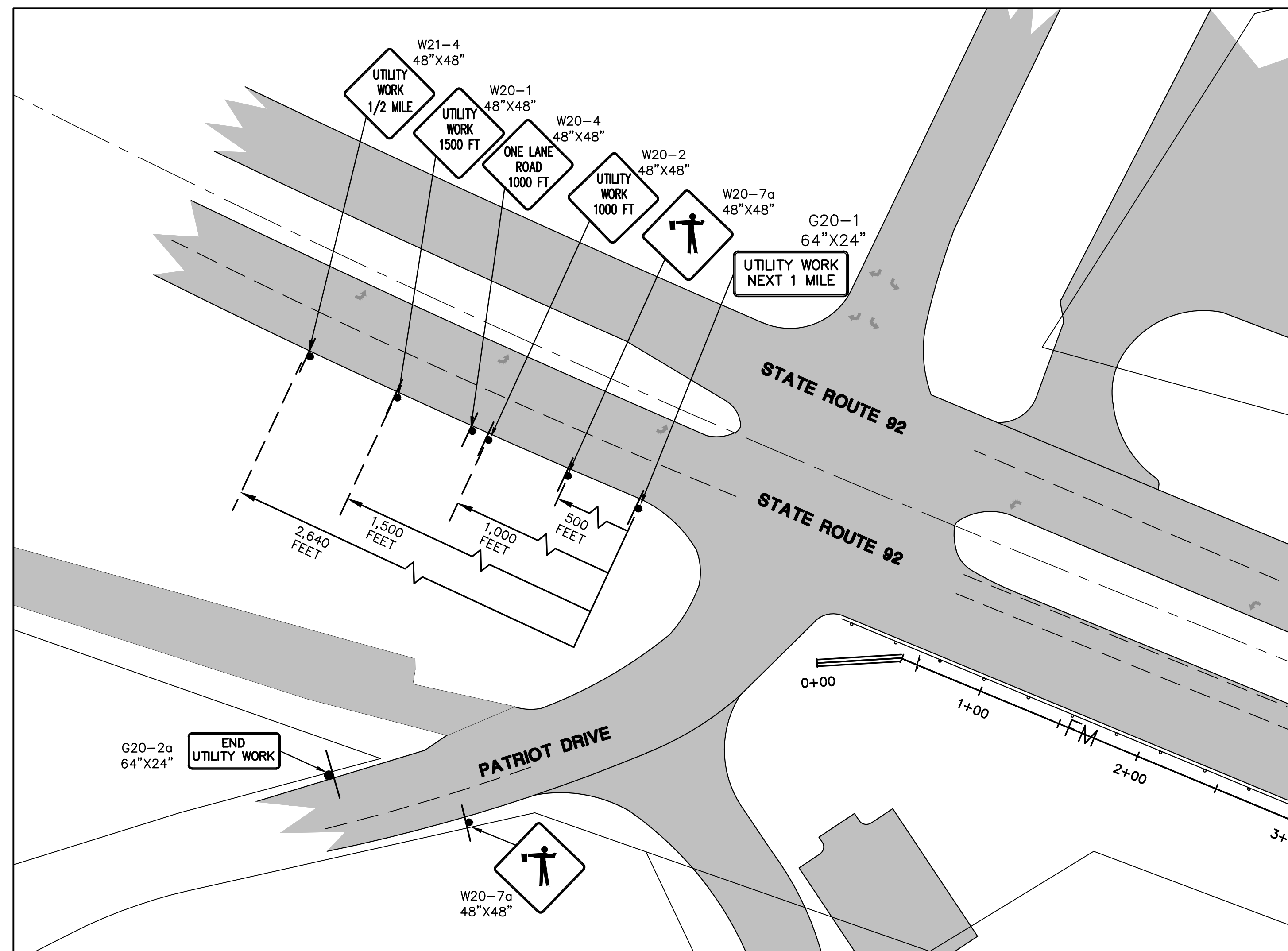
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PROJ. NO. • 25-128
DWG FILE • 25-128 C-2.3
ISSUE DATE • 08/15/2024

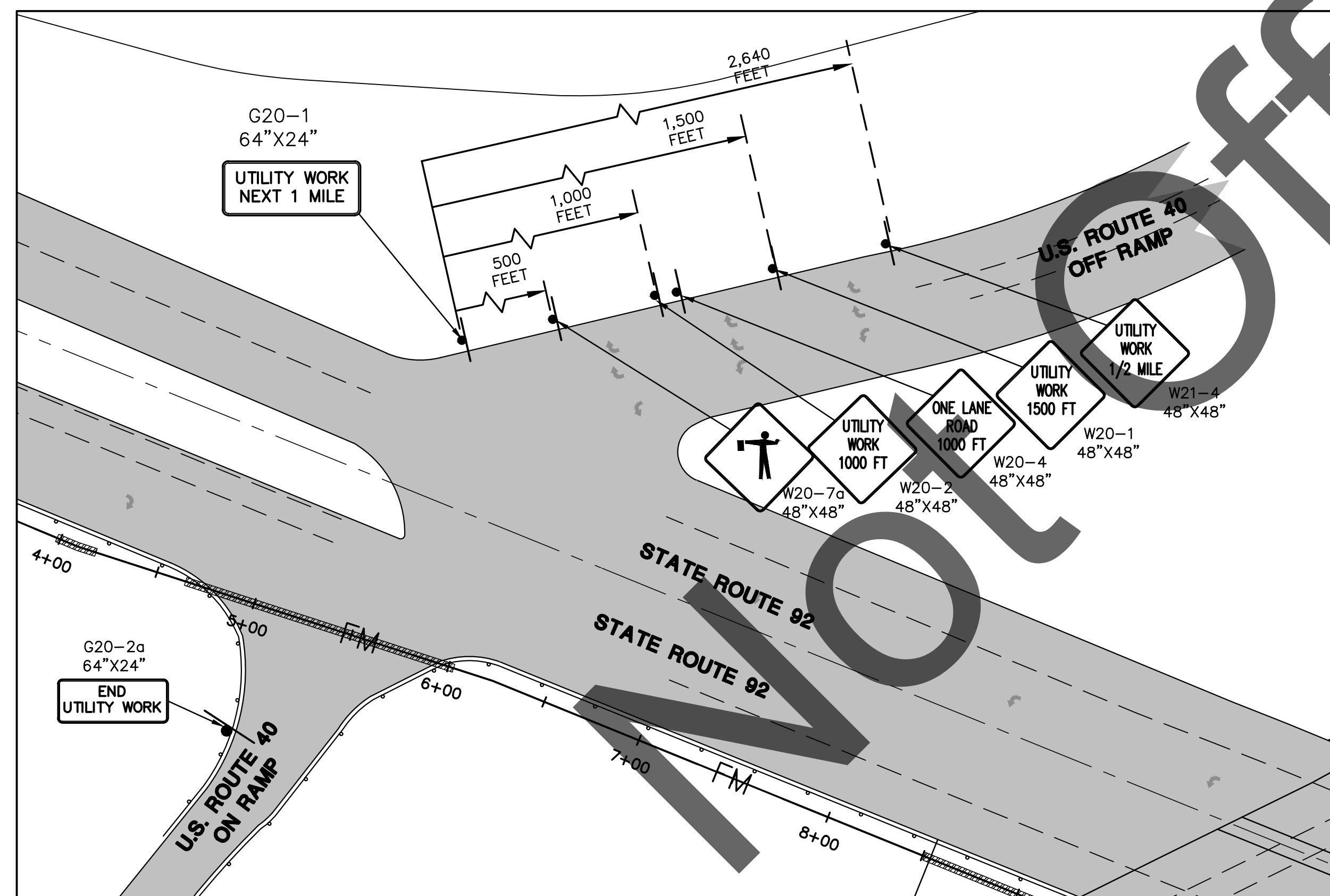
**TOWN OF
DANDRIDGE
SANITARY SEWER
IMPROVEMENTS**

**MILLDALE PUMP
STATION PROPOSED
CONDITIONS PLAN**

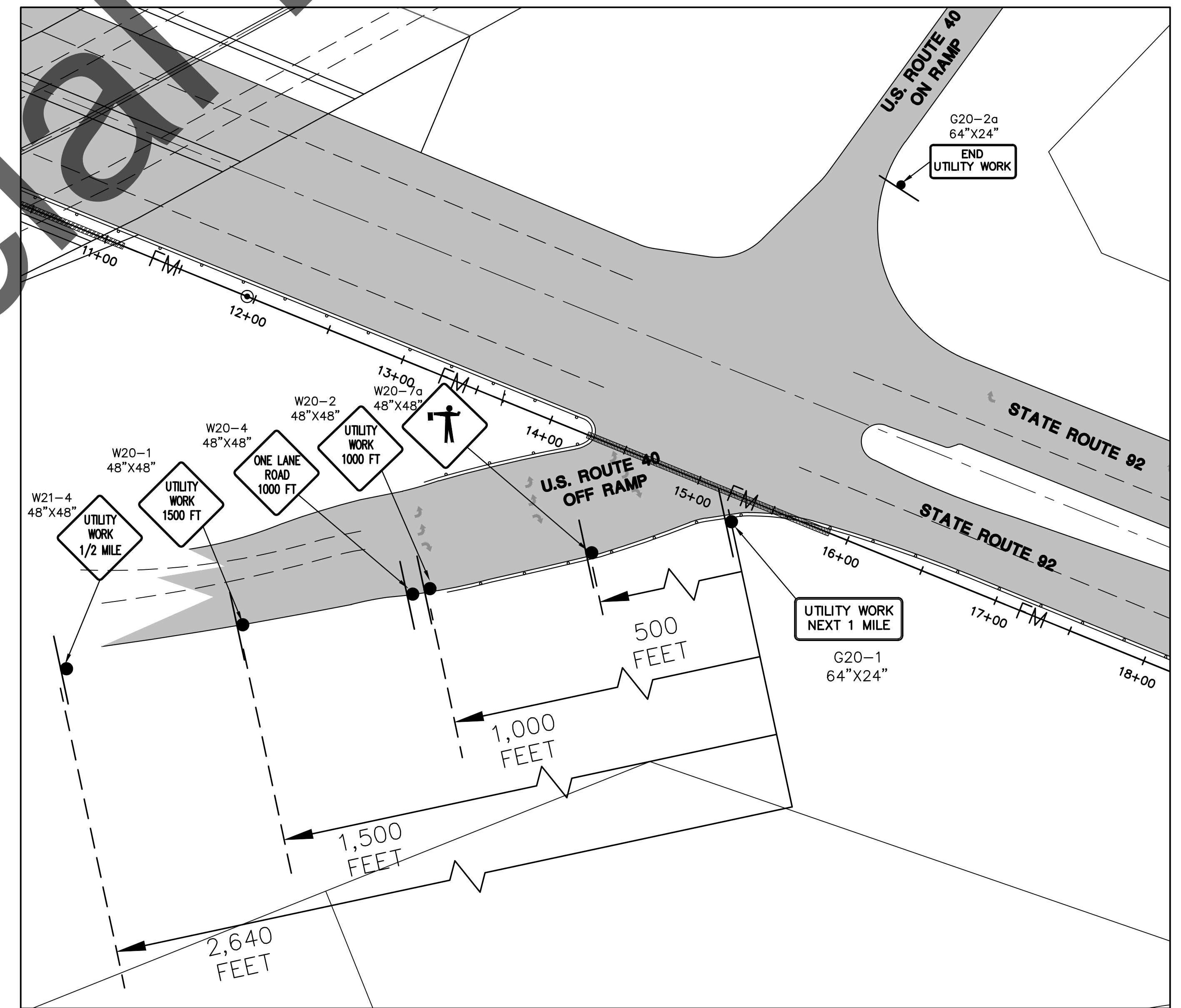
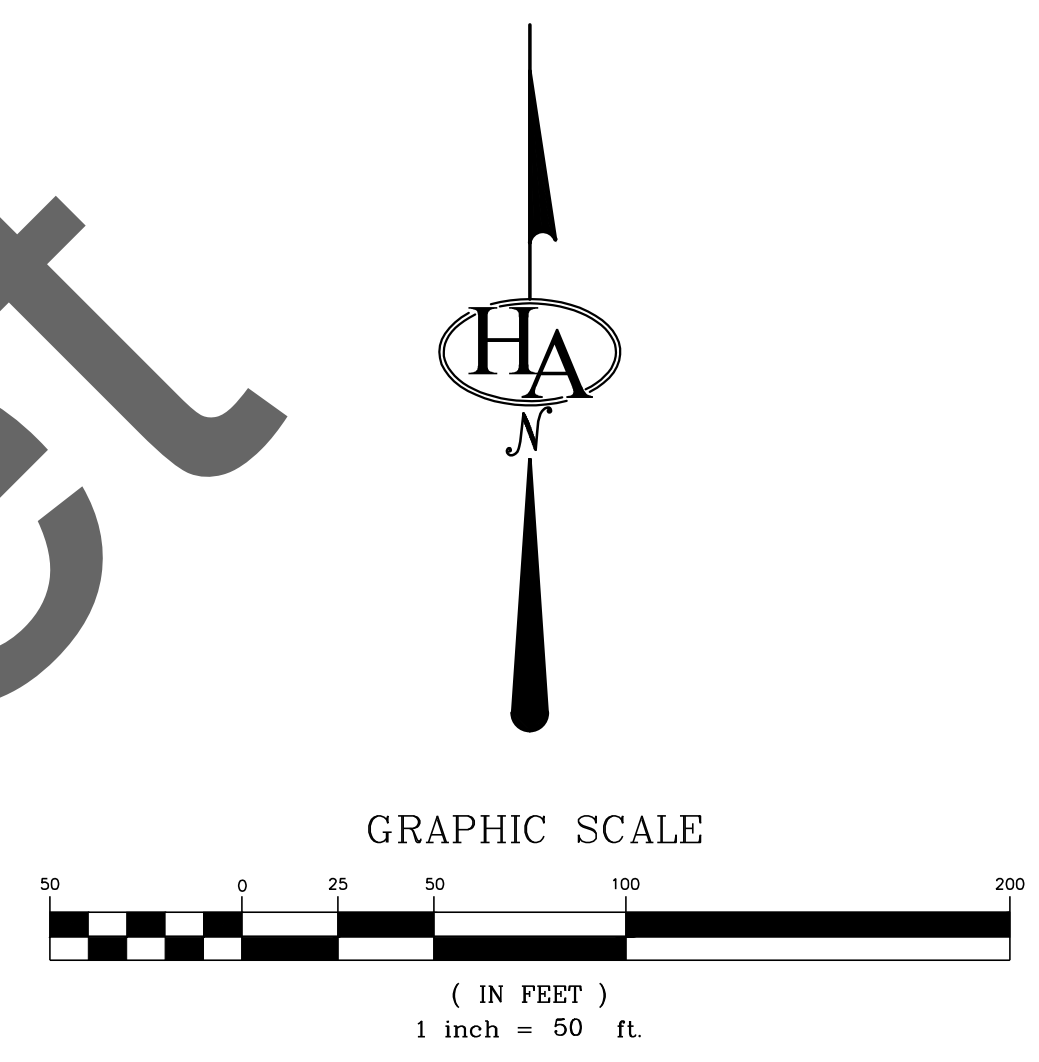
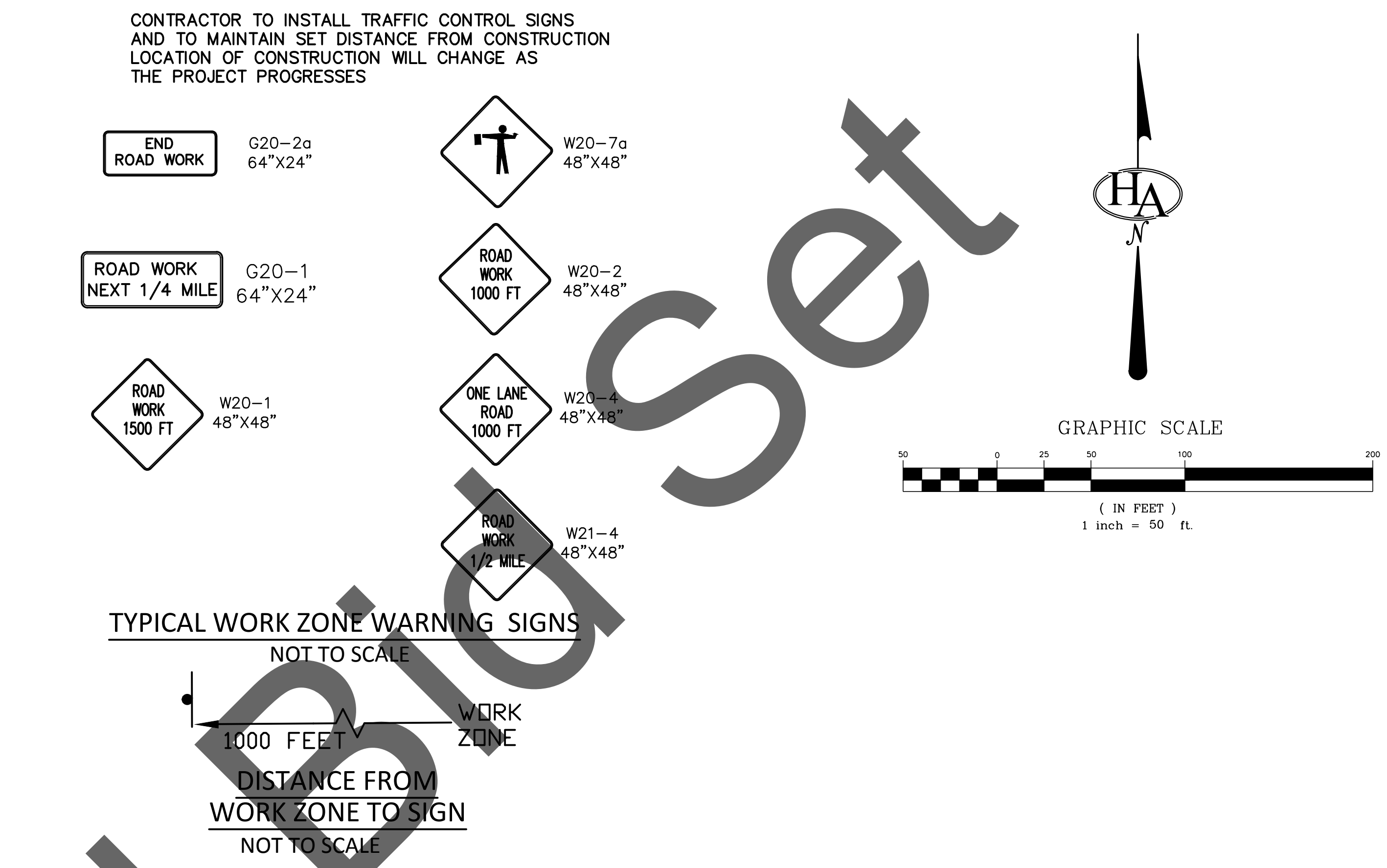
SHEET NUMBER
C-2.3



STATE ROUTE 92 & PATRIOT DRIVE



STATE ROUTE 92 AND U.S. ROUTE 40 OFF RAMP



STATE ROUTE 92 AND U.S. ROUTE 40 OFF RAMP

HATFIELD & ALLEN ASSOCIATES
ENGINEERING & PLANNING
775 RANDELS ROAD
STRAWBERRY PLAINS, TN 37871
PHONE: (865) 388-5031



TOWN OF DANDRIDGE
ARC SEWER SYSTEM
IMPROVEMENTS
DANDRIDGE, TENNESSEE

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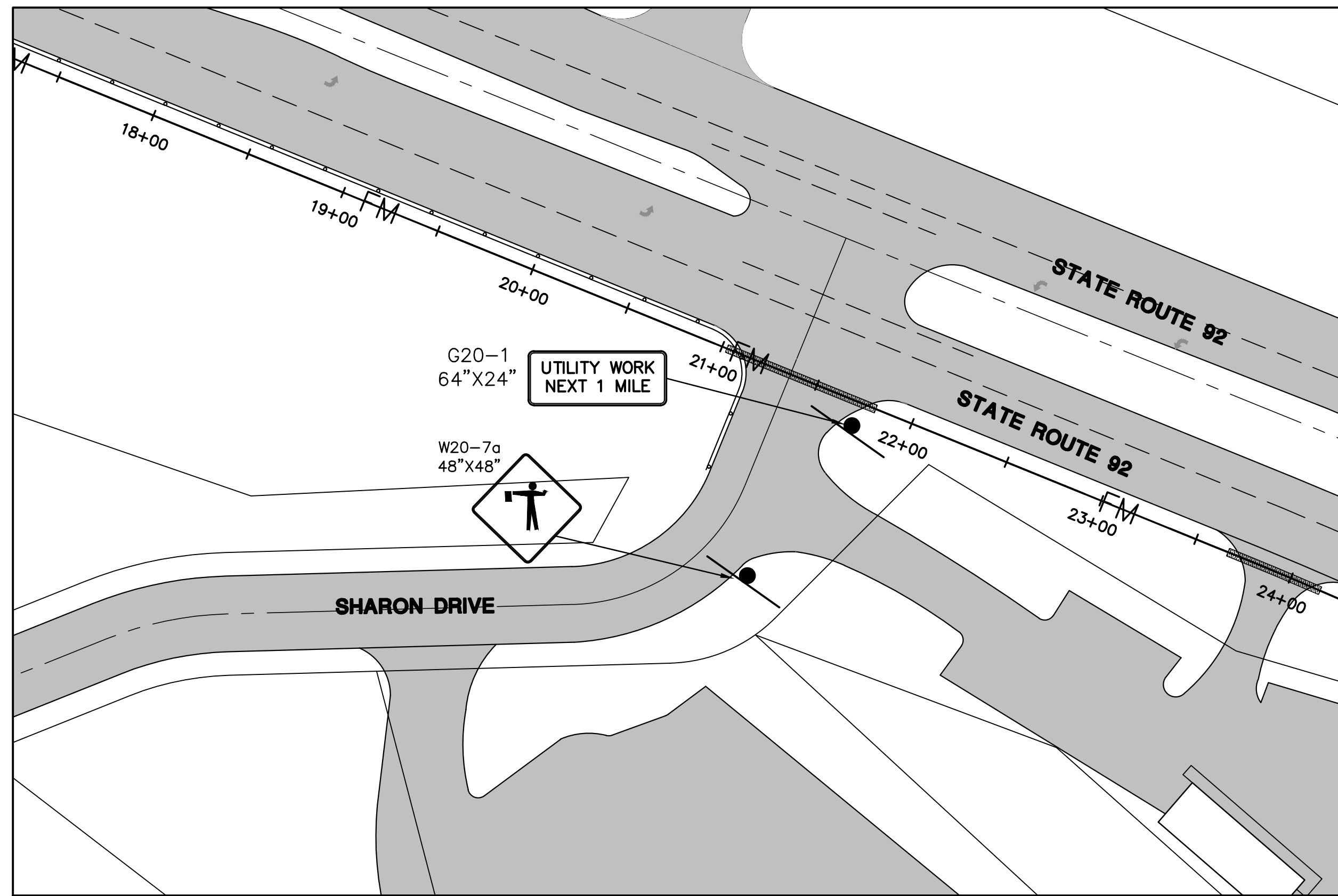
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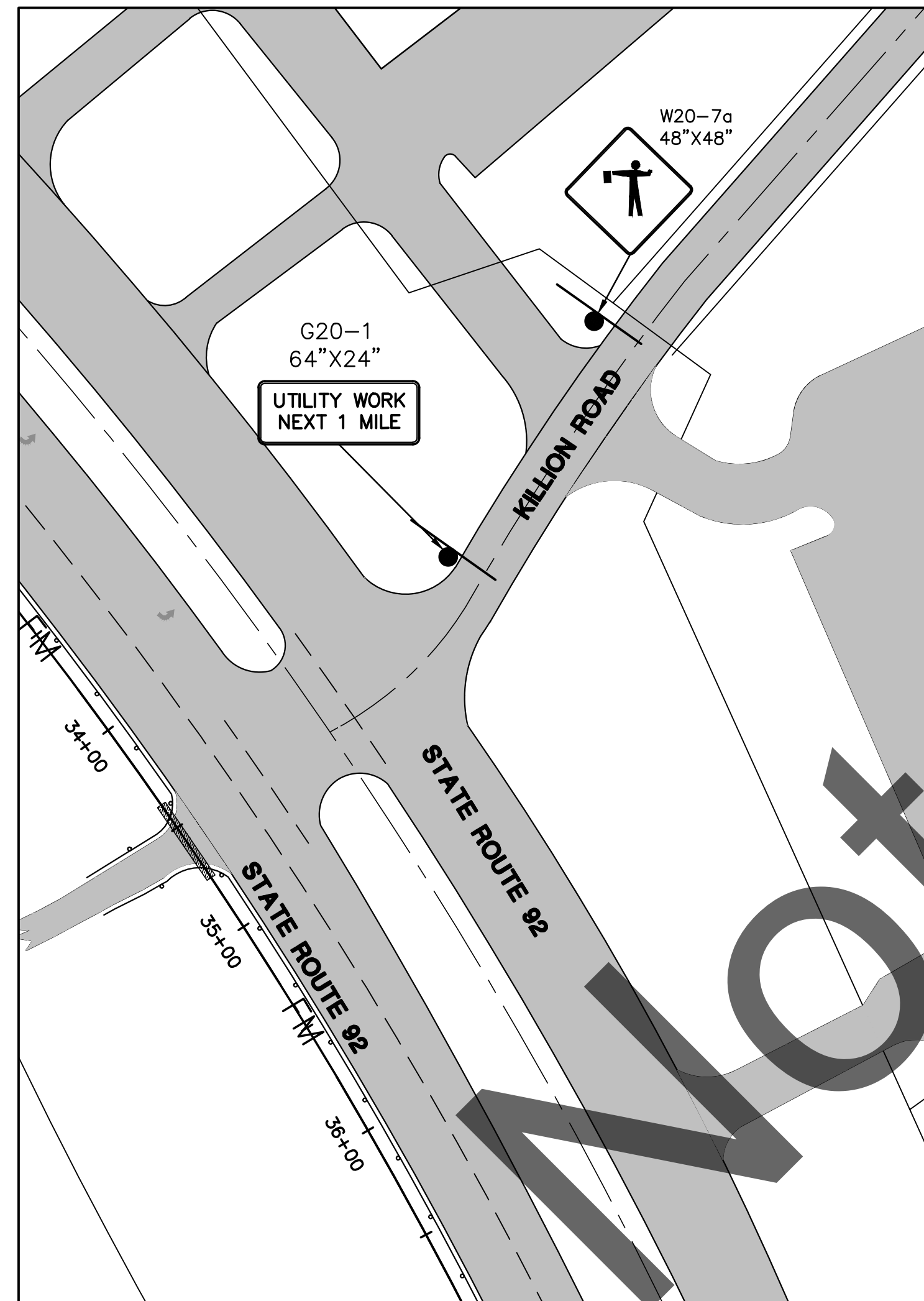
PROJ NO. • 25-128
DWG FILE • 25-128 C-3.0
ISSUE DATE • 08/15/2024

TOWN OF DANDRIDGE
SANITARY SEWER
IMPROVEMENTS
TRAFFIC CONTROL
PLAN
STATION 0+00
TO
STATION 16+00
SHEET NUMBER

C-3.0

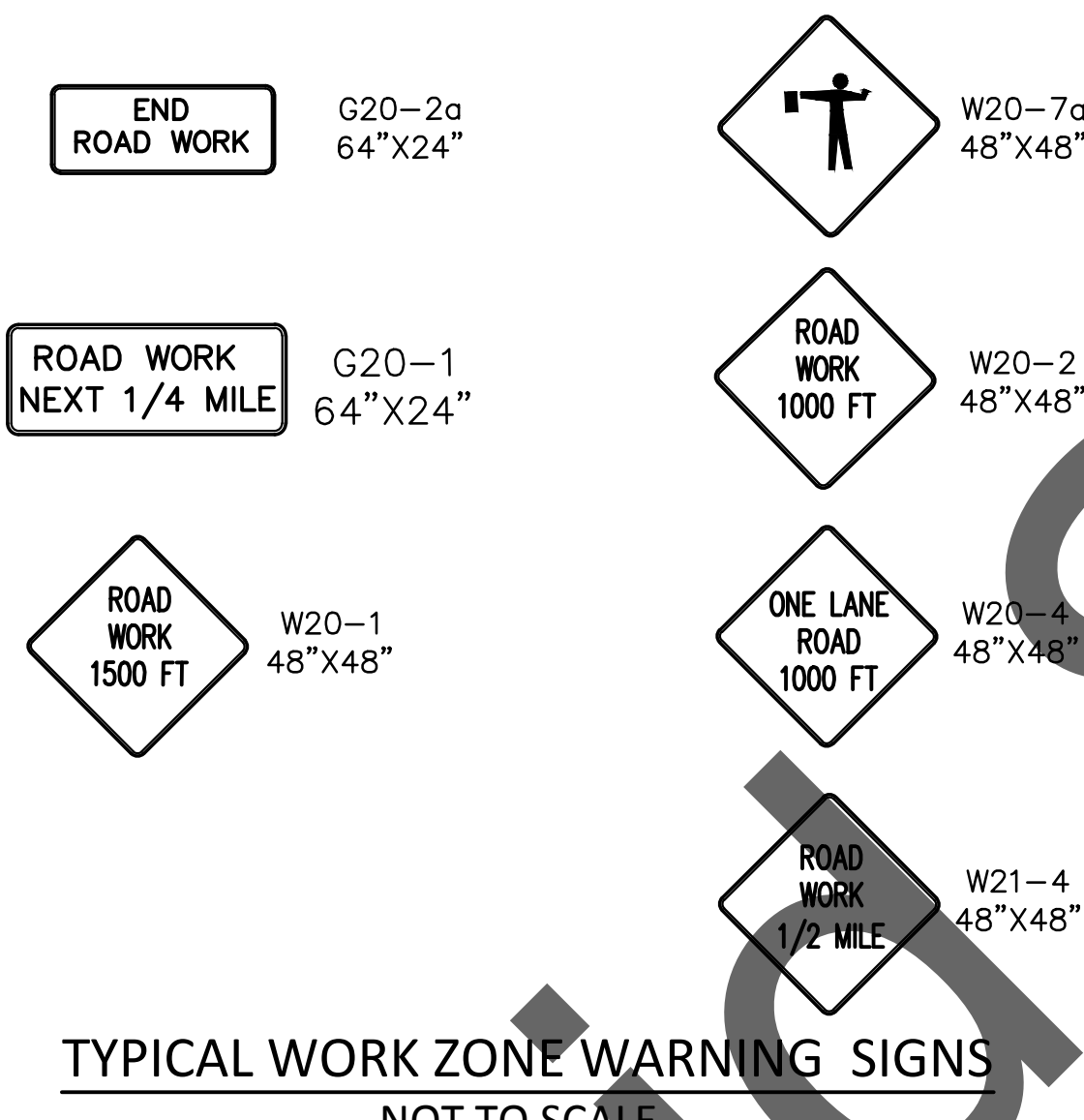


STATE ROUTE 92 AND SHARON DRIVE

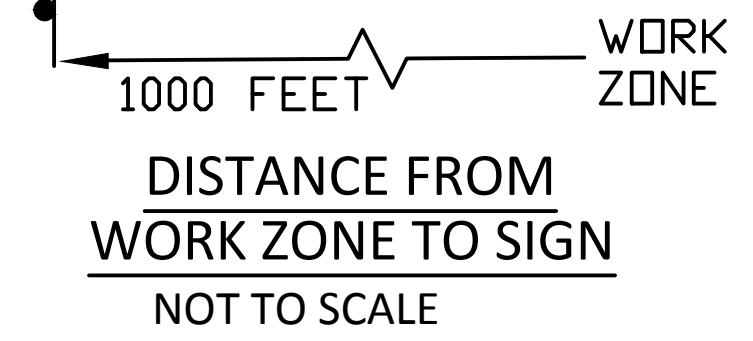
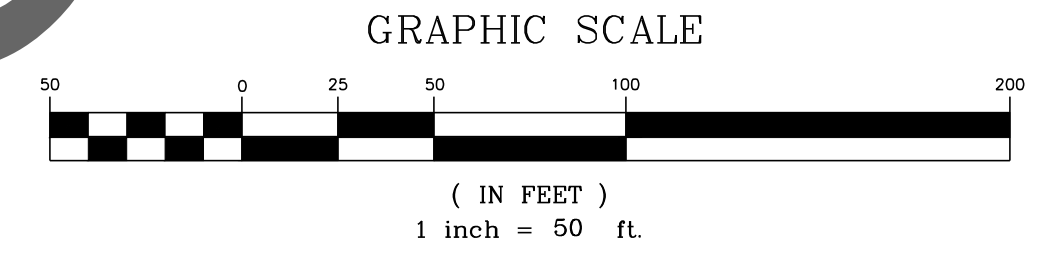


STATE ROUTE 92 & KILLION ROAD

CONTRACTOR TO INSTALL TRAFFIC CONTROL SIGNS AND TO MAINTAIN SET DISTANCE FROM CONSTRUCTION LOCATION OF CONSTRUCTION WILL CHANGE AS THE PROJECT PROGRESSES



TYPICAL WORK ZONE WARNING SIGNS
NOT TO SCALE



STATE ROUTE 92 AND INDUSTRIAL PARK DRIVE



**TOWN OF DANDRIDGE
ARC SEWER SYSTEM
IMPROVEMENTS**
DANDRIDGE, TENNESSEE

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TOWN OF DANDRIDGE
SANITARY SEWER
IMPROVEMENTS
TRAFFIC CONTROL
PLAN
STATION 21+00
TO
STATION 63+82
SHEET NUMBER

C-3.1