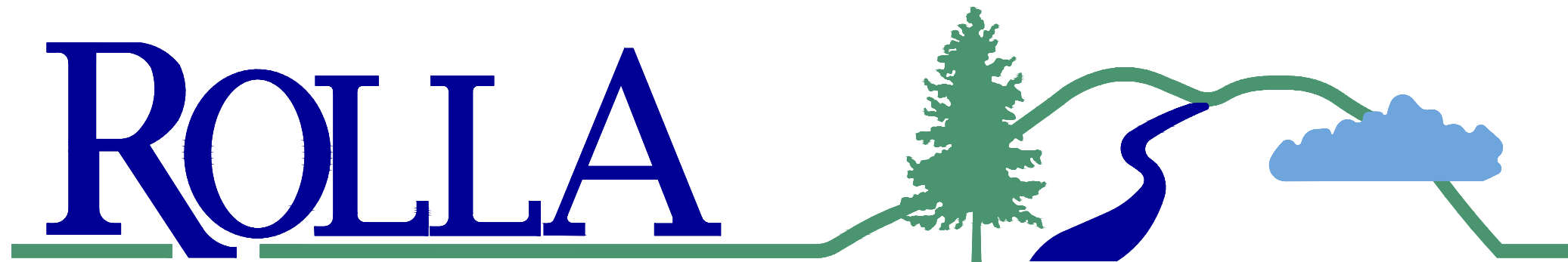


PROJECT 449
LITTLE OAKS ROAD IMPROVEMENTS

OCTOBER 2025



PREPARED BY:

CITY OF ROLLA PUBLIC WORKS DEPARTMENT

GENERAL NOTE:

ALL WORK SHALL BE DONE IN ADHERENCE TO THE CITY OF ROLLA STANDARDS AND SPECIFICATIONS.

CONTRACTOR SHALL PERFORM ALL WORK ASSOCIATED WITH THE PROJECT UNLESS OTHERWISE NOTED AS "BY OTHERS" BY OTHERS SHALL INCLUDE THE CITY OF ROLLA AND ALL APPROPRIATE UTILITY COMPANIES.

ALL CONSTRUCTION STAKING SHALL BE COMPLETED BY CITY PROJECT COORDINATORS UNLESS OTHERWISE SPECIFIED. NOTIFICATION OF REQUEST FOR STAKING SHALL BE SUBMITTED IN WRITING TO CITY PROJECT COORDINATOR NO LESS THAN TWO WEEKS PRIOR TO DATE NEEDED. CONSTRUCTION STAKING SHALL INCLUDE (BUT NOT BE LIMITED TO) ALIGNMENT, GRADES, FLOWLINE ELEVATIONS FOR STORM SEWER STRUCTURES, AND UTILITY ADJUSTMENTS NECESSARY FOR COMPLETION OF PROJECT.

UTILITIES ARE SHOWN FOR REFERENCE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION FOR A FIELD LOCATE TO VERIFY THE DEPTH AND POSITION OF THE RESPECTIVE UTILITY.

STREET LANE RESTRICTIONS AND/OR CLOSINGS SHALL BE COORDINATED WITH THE CITY OF ROLLA STREET DEPARTMENT.

ALL EXCAVATIONS MUST BE CLOSED AT THE END OF EACH DAY OR MUST BE FENCED TO PREVENT INJURY TO PERSONS AND/OR PROPERTY.

SEEDING AND MULCHING OF ALL DISTURBED AREAS SHALL BE BY OTHERS.

ALL TREE REMOVAL SHALL BE BY OTHERS. ALL CLEARING, GRUBBING AND DISPOSAL OF TREES, BRUSH, AND DEBRIS SHALL BE BY OTHERS.

RESTORATION OF EXISTING GRAVEL DRIVES AND DRIVEWAYS TO PRECONSTRUCTION CONDITION AND GRADE SHALL BE BY OTHERS.

ROAD SHALL BE OPEN TO LOCAL TRAFFIC AND CLOSED TO THROUGH TRAFFIC. DETOUR ROUTE SHALL BE DETERMINED IN COORDINATION WITH THE PUBLIC WORKS DEPARTMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING AND MAINTAINING ALL SIGNAGE AND BARRICADES NECESSARY TO CARRY OUT DETOUR PLAN.

TRAFFIC CONTROL/SAFETY SHALL BE STRICTLY ENFORCED. DEMOBILIZATION AND REMOBILIZATION FEES WILL NOT BE REIMBURSED UNDER ANY CIRCUMSTANCES.

CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING AND MAINTAINING FINAL GRADE SURFACE UNTIL SUCH TIME AS CONCRETE CAN BE LAID.

CONTRACTOR SHALL BE RESPONSIBLE FOR BARRICADING ALL WATER VALVES AND MANHOLES TO PREVENT PERSONAL INJURY OR PROPERTY DAMAGE BY OTHERS.

ALL WORK DONE ON STATE RIGHT OF WAY SHALL BE COORDINATED THROUGH MODOT. LANE CLOSURES SHALL FOLLOW MODOT SPECIFICATIONS FOR TRAFFIC CONTROL.

CONTRACTOR SHALL CONTACT PROPERTY OWNER PRIOR TO CONSTRUCTION OF NEW DRIVEWAYS TO AVOID CONFINING VEHICLES DURING CONSTRUCTION

UNIT PRICE FOR INSTALLATION OF CURB, DRIVEWAY APRONS AND SIDEWALK SHALL INCLUDE ALL CONCRETE, LABOR, FORMS AND EQUIPMENT NECESSARY FOR THE COMPLETE INSTALLATION OF THE ITEM. ROCK SHALL BE FURNISHED BY THE CITY OF ROLLA.

EROSION CONTROL NOTE:

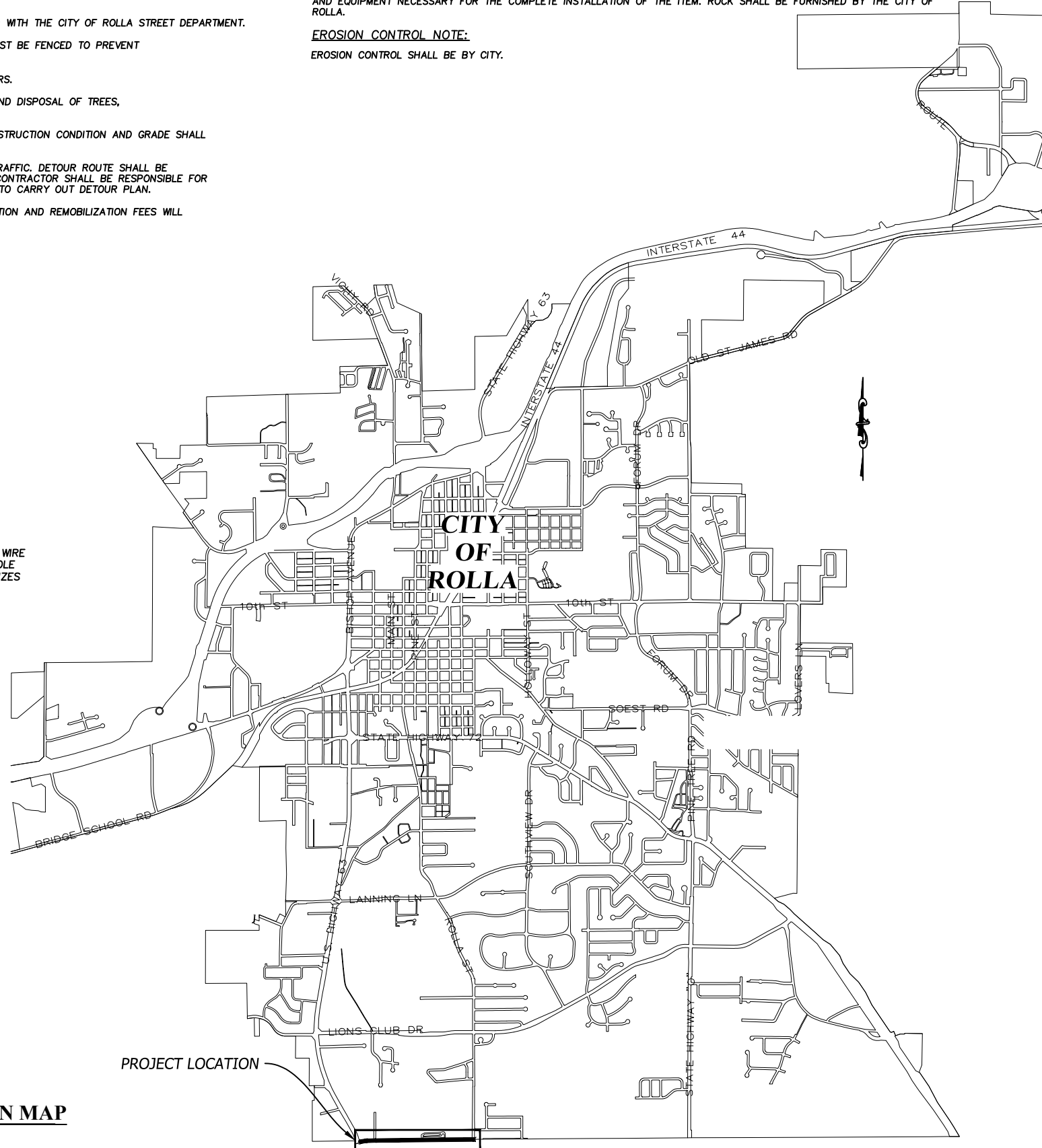
EROSION CONTROL SHALL BE BY CITY.

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18-26	CROSS SECTIONS
27,28	STANDARD DETAILS

LEGEND

△	- CONTROL POINT
—	- RIGHT OF WAY LINE
•	- PROPERTY CORNER PIN
WAT	- EXISTING WATER LINE
⊕	- EXISTING WATER VALVE
⊕	- EXISTING HYDRANT
⊕	- EXISTING WATER METER
⊕	- EXISTING UTILITY POLE WITH GUY WIRE
⊕	- EXISTING SANITARY SEWER MANHOLE
⊕	- EXISTING CURB INLET, VARIOUS SIZES
⊕	- EXISTING STORM SEWER LINE
⊕	- EXISTING SIGN
⊕	- EXISTING MAILBOX

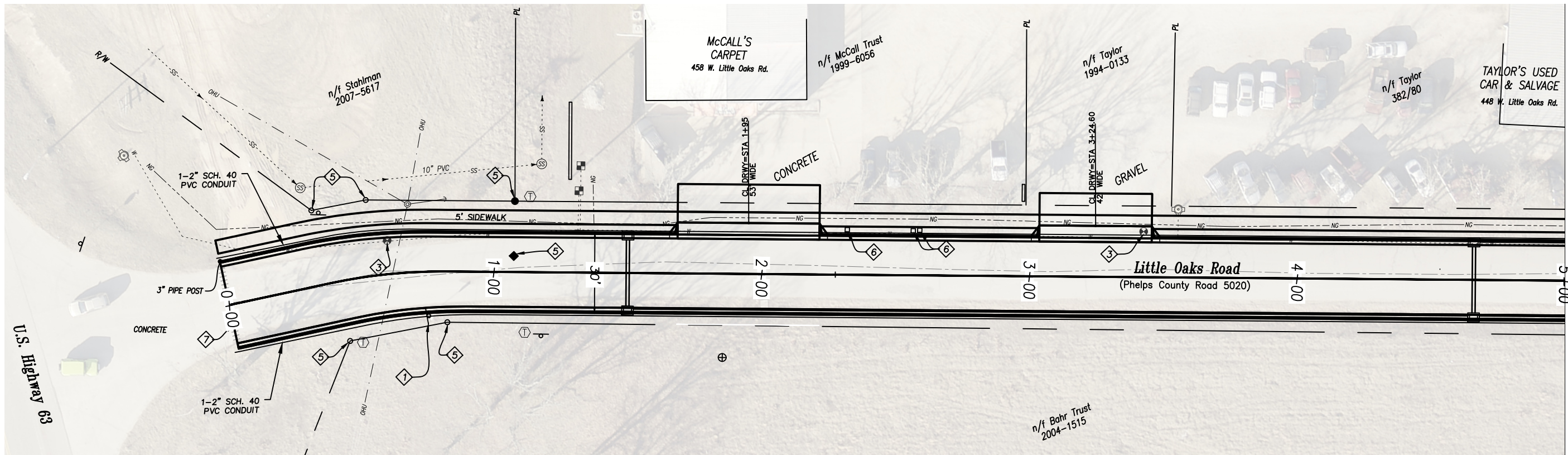


UTILITIES

DIGRITE - 1-800-DIG-RITE or 811		
STREET/SEWER -	CITY OF ROLLA PUBLIC WORKS DEPARTMENT	573-364-8659
WATER/ELECTRIC -	ROLLA MUNICIPAL UTILITIES	573-364-1572
NATURAL GAS -	AMEREN MISSOURI	573-368-3440
	EMERGENCY	1-800-552-7583
TELEPHONE -	CENTURYLINK	573-341-0405
CABLE -	FIDELITY CABLEVISION INC.	573-426-6111
MODOT		
	MISSOURI DEPARTMENT OF TRANSPORTATION	
	PERMIT INSPECTOR - KIM HILBURN	573-265-0760
	SIGNAL MAINTENANCE SHED - STEVE HELTON	573-364-2218
	ASK MODOT	1-888-275-6636
	CENTRAL DISTRICT - JEFFERSON CITY	573-751-3322
BURLINGTON NORTHERN SANTA FE RAILROAD		
	JOHN MANNING	918-352-8775
	WHITNEY WESTON - ROADMASTER	360-600-0060

LOCATION MAP
not to scale

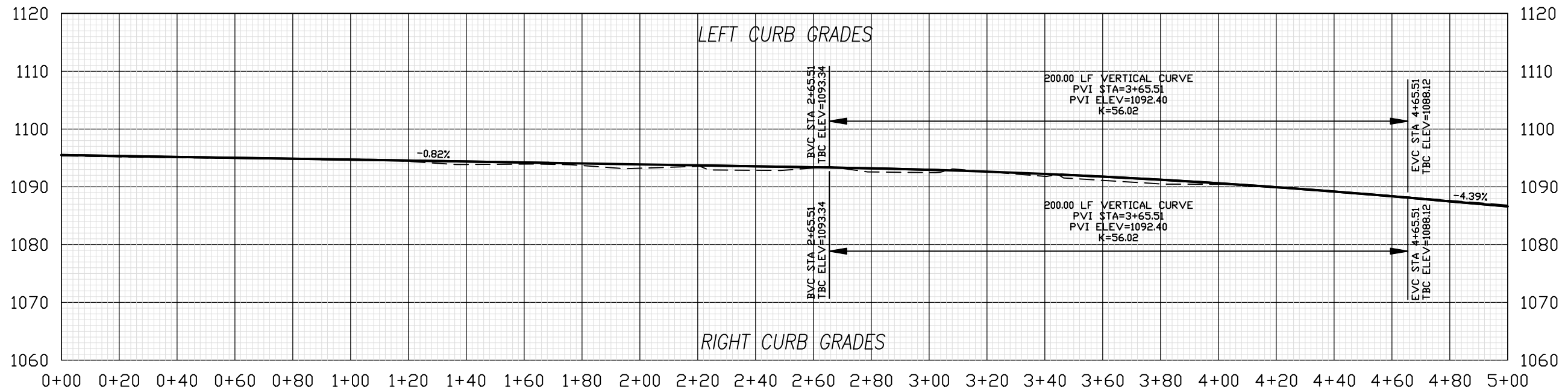
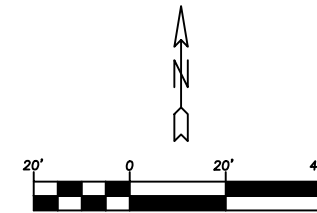
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City of Rolla Department of Public Works 102 West 9th Street Phone: 573-364-8659	
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1 LITTLE OAKS ROAD PLAN - Station 0+00 to Station 5+00
2 Scale: 1" = 40'

KEYED NOTES

- 1 CONTRACTOR SHALL ENSURE THAT ALL SPECIFIED TRAFFIC SIGNS REMAIN IN PLACE DURING CONSTRUCTION AND REMAIN VISIBLE AT ALL TIMES. CONTRACTOR SHALL INSTALL SIGN POST SLEEVES FOR SIGN UPGRADES AND RELOCATIONS.
- 2 ADJUST MANHOLE LID AND RING AS NEEDED BY OTHERS.
- 3 ADJUST WATER VALVE AS NEEDED BY OTHERS. CONTACT ROLLA MUNICIPAL UTILITIES REPRESENTATIVE FOR STANDARD DETAILS.
- 4 REMOVE AND DISCARD EXISTING DRAIN PIPE BY OTHERS.
- 5 CONTRACTOR SHALL ENSURE ALL PROPERTY PINS, RIGHT-OF-WAY MARKERS, MONUMENTS AND BENCH MARKS REMAIN UNDISTURBED AS PER MISSOURI REVISED STATUTES, CHAPTER 60 "COUNTY SURVEYORS AND LAND SURVEYS", SECTION 60.355. CONTRACTOR SHALL BE AWARE THAT VIOLATION OF THIS STATUTE IS CONSIDERED A CLASS B MISDEMEANOR. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH REESTABLISHMENT OF MONUMENTS OR MARKERS DISTURBED DURING CONSTRUCTION.
- 6 REMOVE AND RELOCATE EXISTING MAILBOXES BY OTHERS. CONTRACTOR SHALL ENSURE POSTAL SERVICE IS UNINTERRUPTED.
- 7 SAWCUT ASPHALT AT MATCH LINES BY OTHERS.



2 LITTLE OAKS ROAD PROFILE - Station 0+00 to Station 5+00
2 Scale: 1" = 40' H
 1" = 20' V

MATCH LINE
 SEE SHEET 3

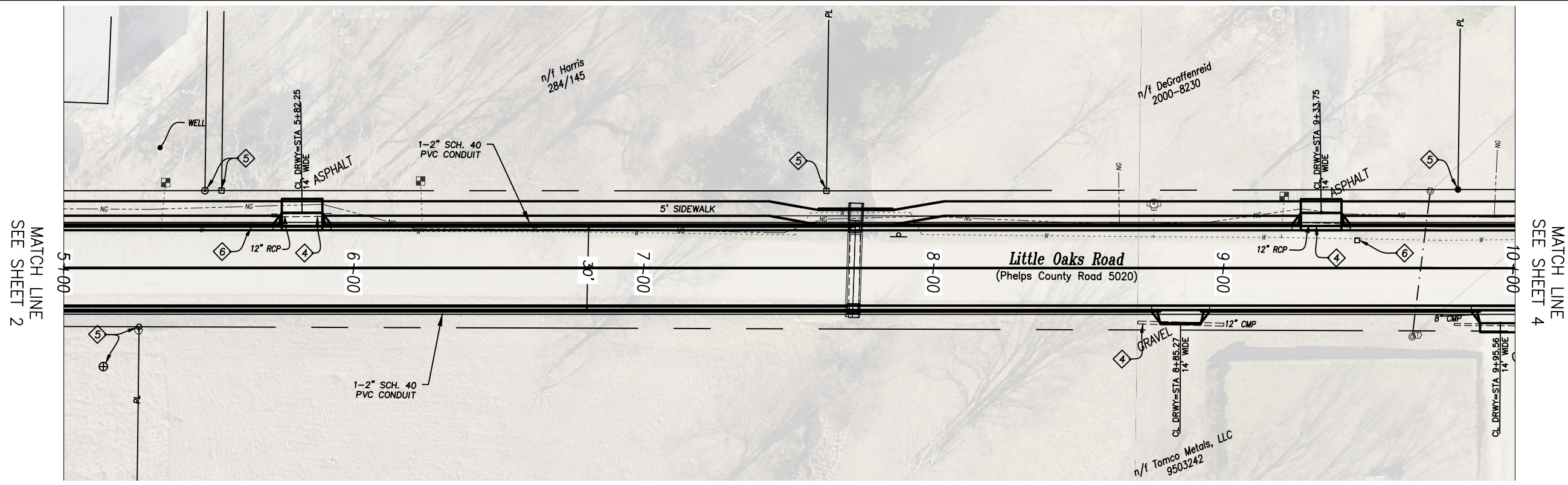
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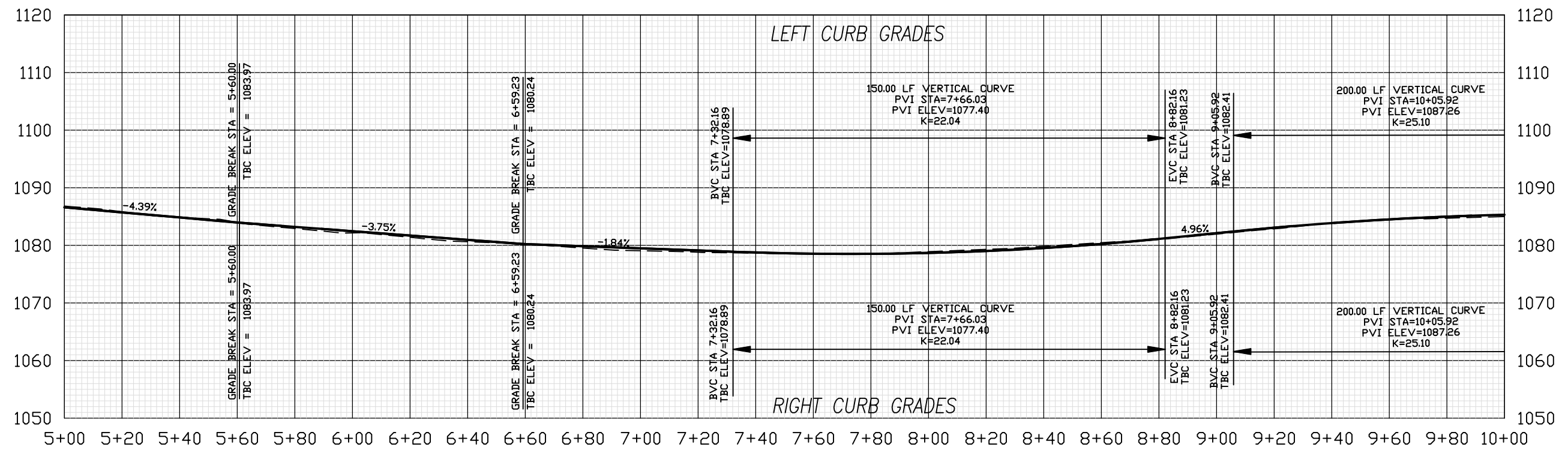
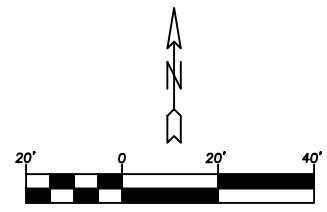


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3 **LITTLE OAKS ROAD PLAN - Station 5+00 to Station 10+00**
Scale: 1" = 40'

KEYED NOTES

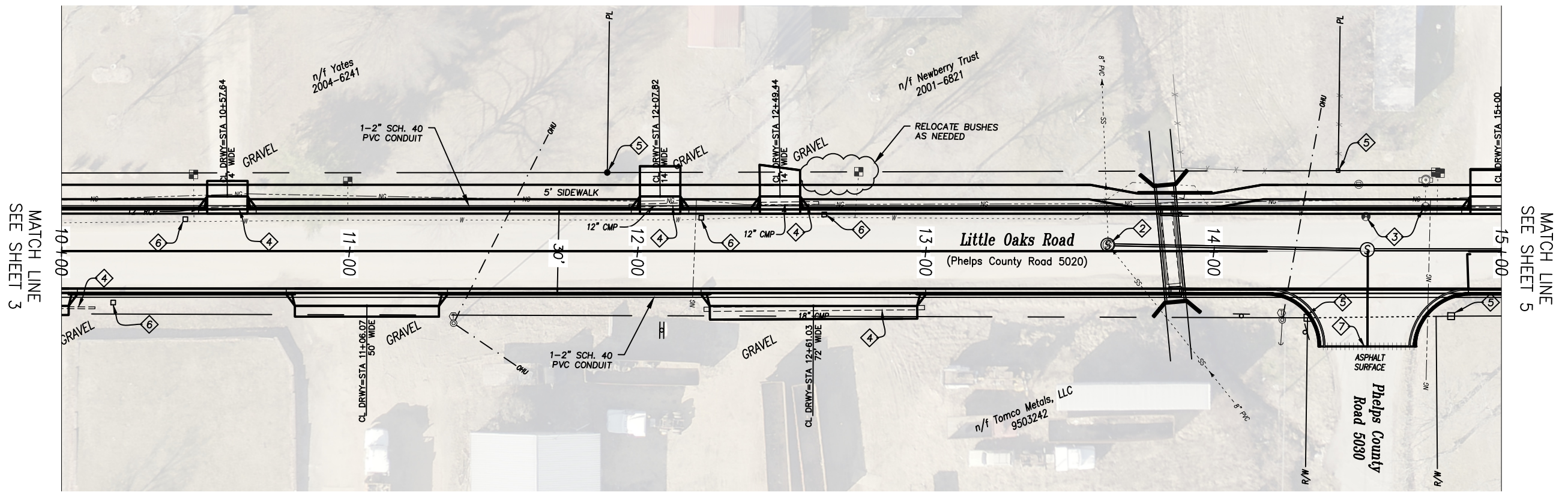
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2
3 **LITTLE OAKS ROAD PROFILE - Station 5+00 to Station 10+00**
Scale: 1" = 40' H
1" = 20' V

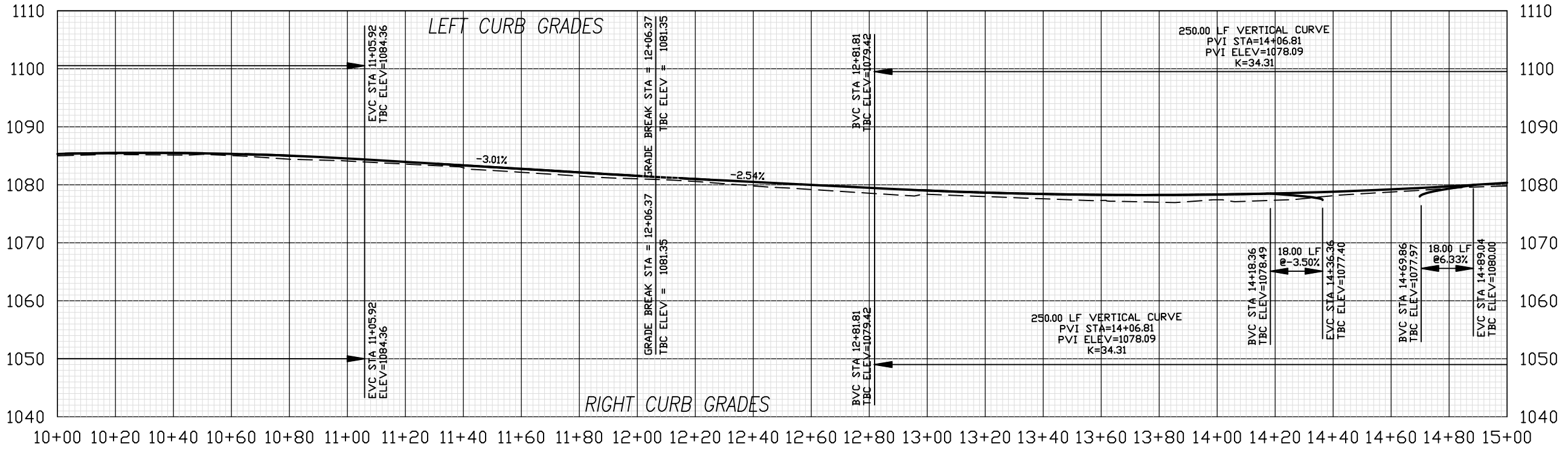
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1 LITTLE OAKS ROAD PLAN - Station 10+00 to Station 15+00
4 Scale: 1" = 40'

KEYED NOTES

- ① CONTRACTOR SHALL ENSURE THAT ALL SPECIFIED TRAFFIC SIGNS REMAIN IN PLACE DURING CONSTRUCTION AND REMAIN VISIBLE AT ALL TIMES. CONTRACTOR SHALL INSTALL SIGN POST SLEEVES FOR SIGN UPGRADES AND RELOCATIONS.
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2 LITTLE OAKS ROAD PROFILE - Station 10+00 to Station 15+00
4 Scale: 1" = 40' H
 1" = 20' V

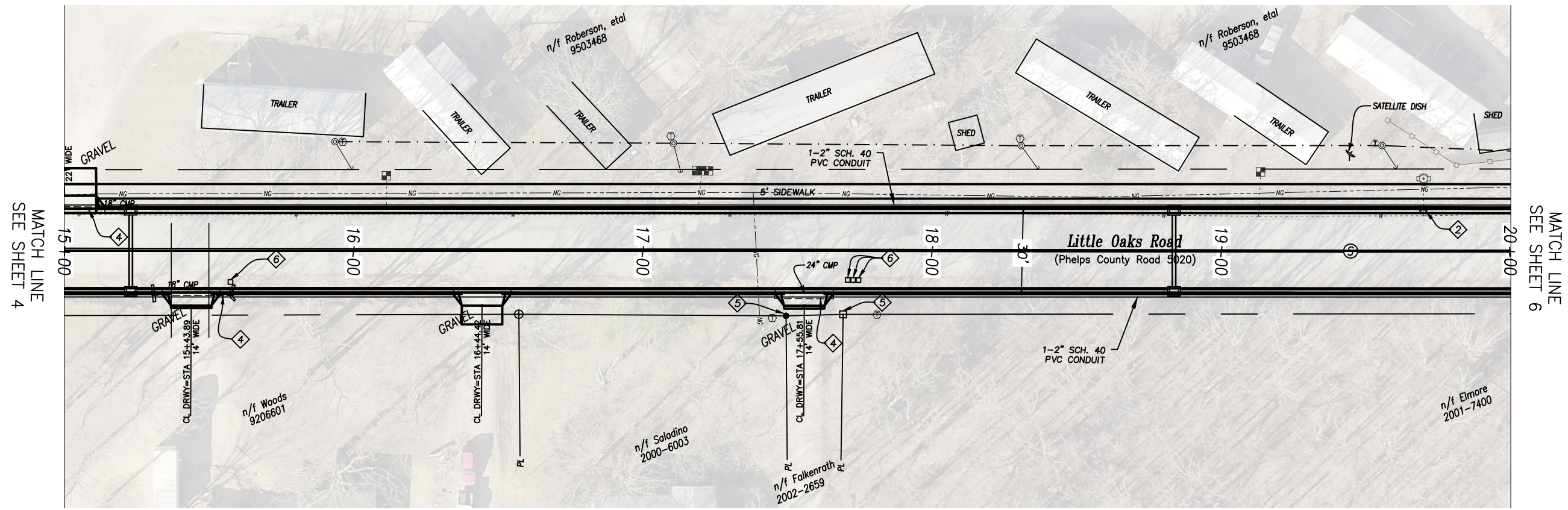
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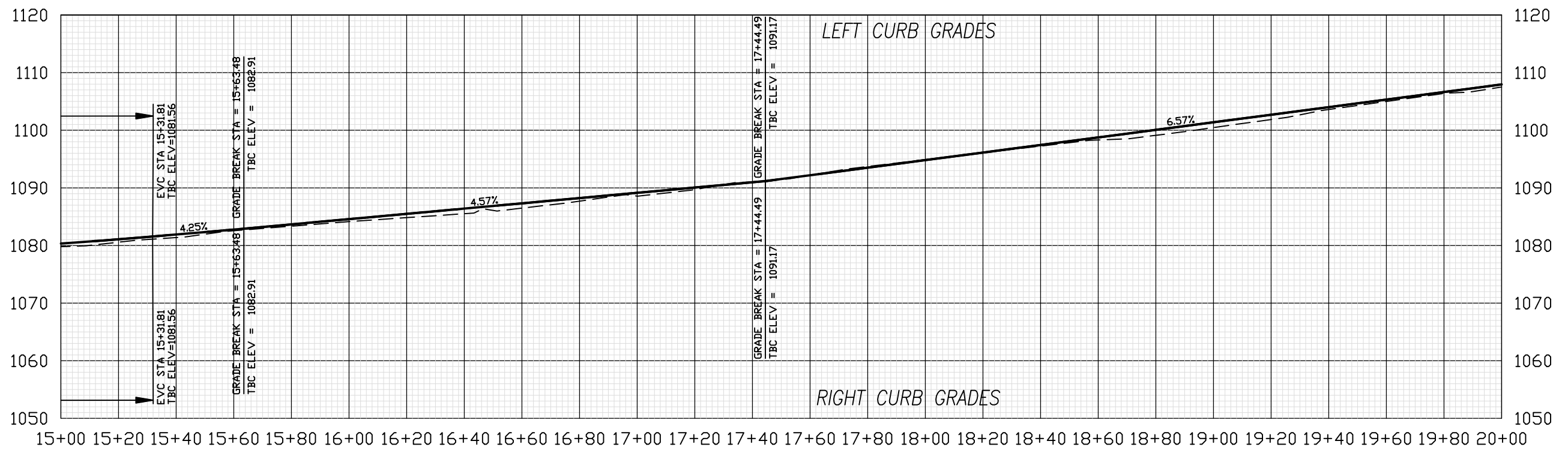
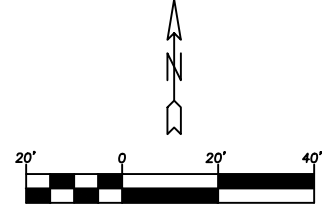


1 **LITTLE OAKS ROAD PLAN - Station 15+00 to Station 20+00**
5 Scale: 1" = 40'

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- Ⓛ REMOVE AND DISCARD EXISTING DRAIN PIPE BY OTHERS.

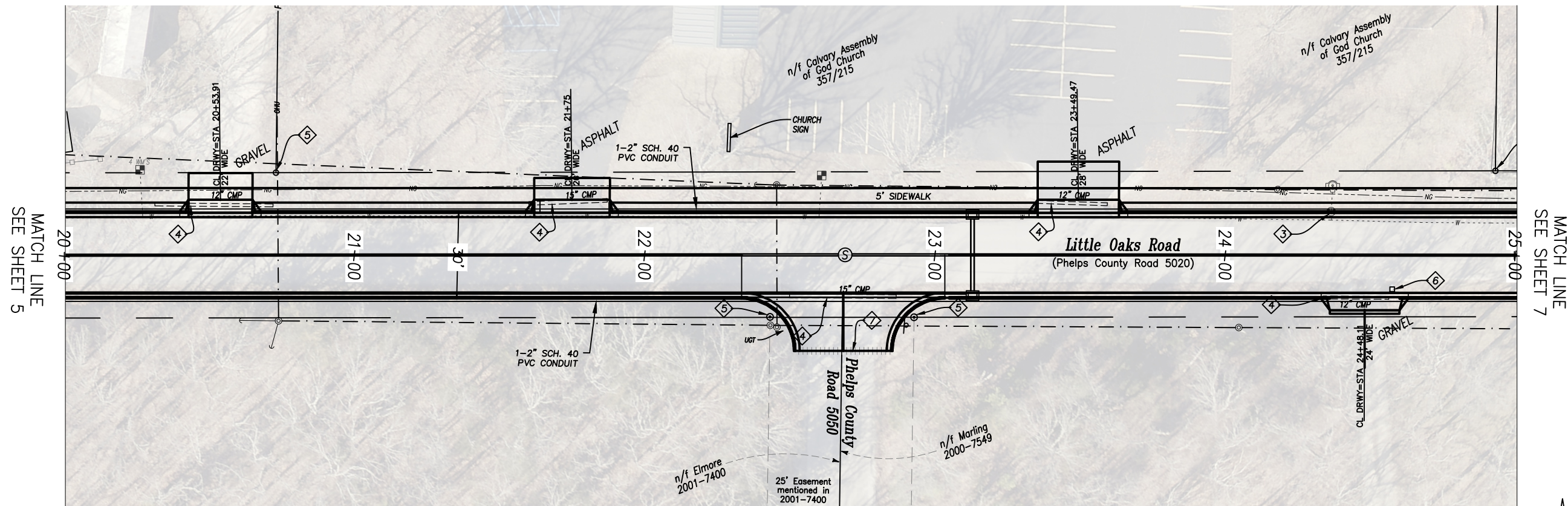
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2 **LITTLE OAKS ROAD PROFILE - Station 15+00 to Station 20+00**
5 Scale: 1" = 40' H
 1" = 20' V

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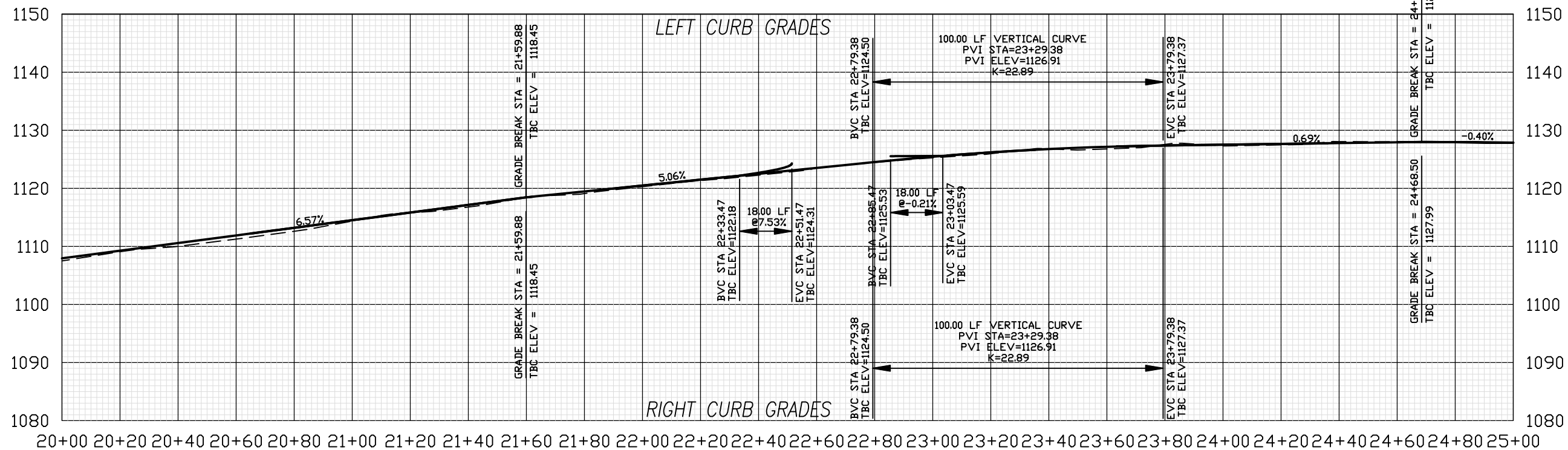
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1 LITTLE OAKS ROAD PLAN - Station 20+00 to Station 25+00
6 Scale: 1" = 40'

KEYED NOTES

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2 LITTLE OAKS ROAD PROFILE - Station 20+00 to Station 25+00
6 Scale: 1" = 40' H
 1" = 20' V

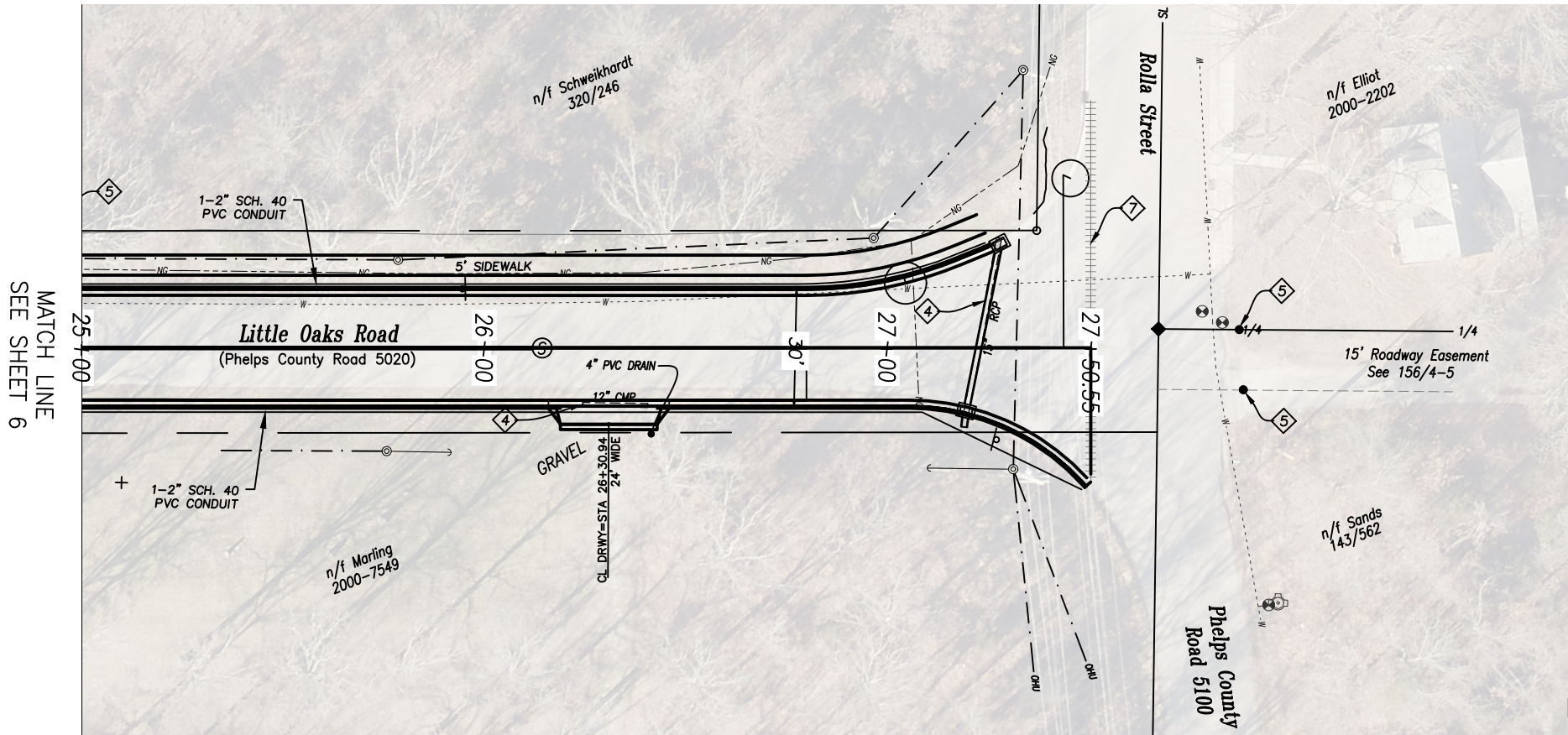
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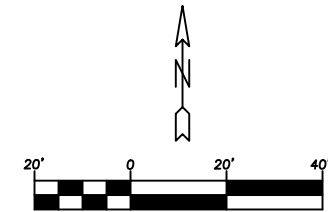
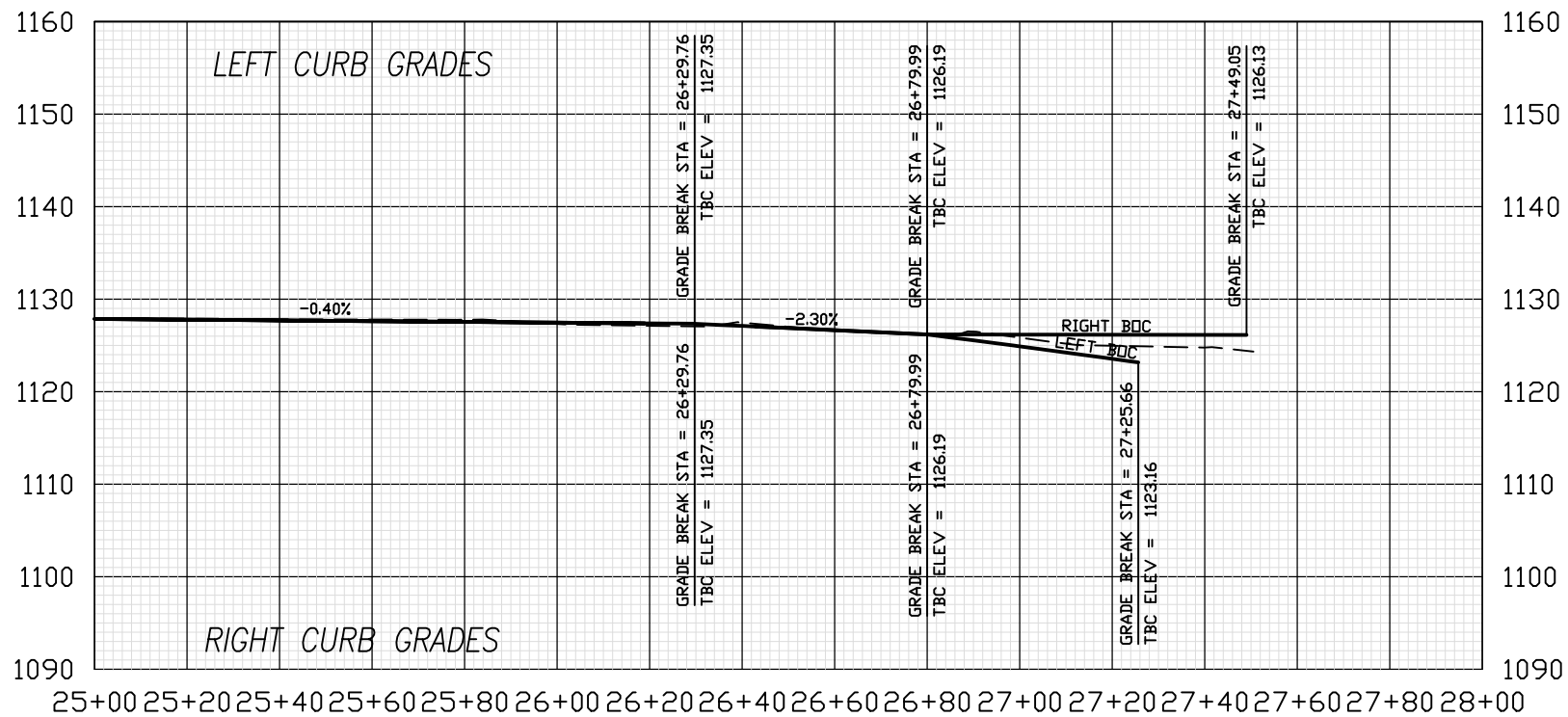
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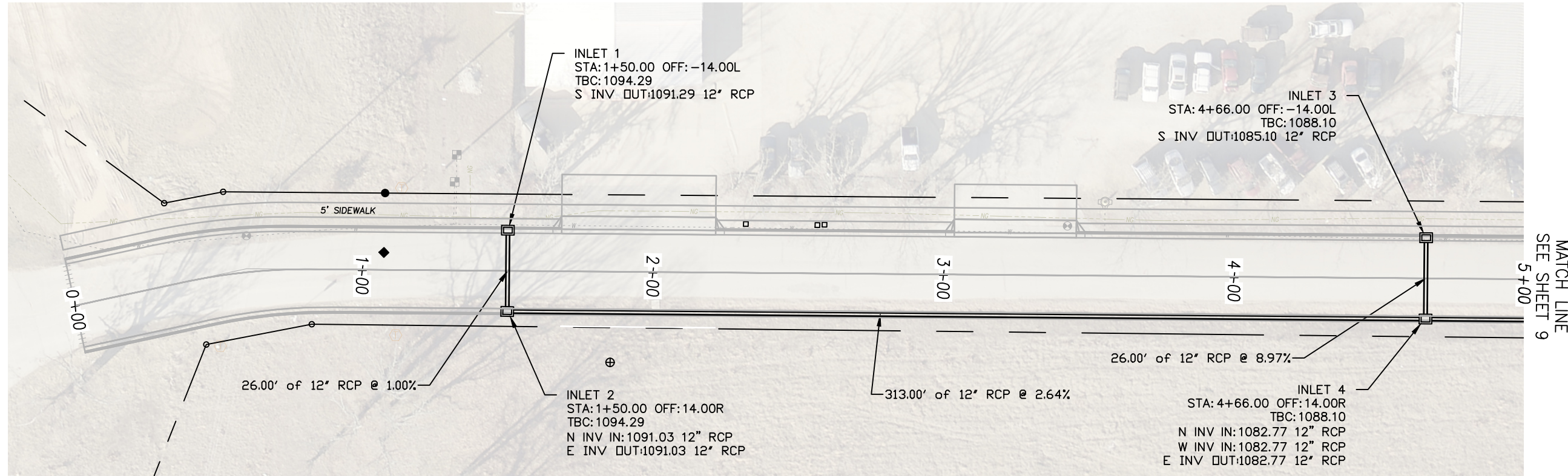
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① LITTLE OAKS ROAD PLAN - Station 25+00 to Station 27+67.32
Scale: 1" = 40'

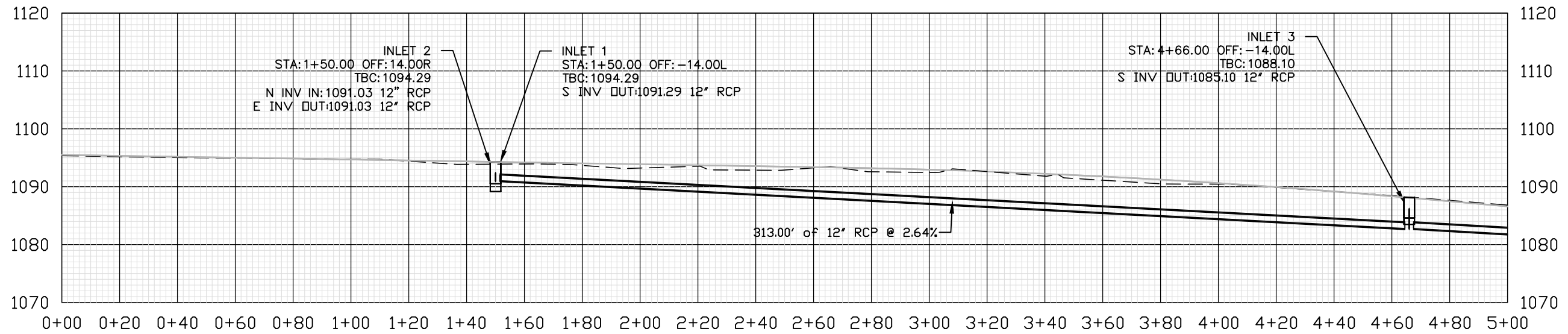


② LITTLE OAKS ROAD PROFILE - Station 25+00 to Station 27+67.32
Scale: 1" = 40' H
1" = 20' V

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1
8 **LITTLE OAKS ROAD STORM PLAN - Station 0+00 to Station 5+00**
Scale: 1" = 40'



2
8 **LITTLE OAKS ROAD STORM PROFILE - Station 0+00 to Station 5+00**
Scale: 1" = 40' H
1" = 20' V

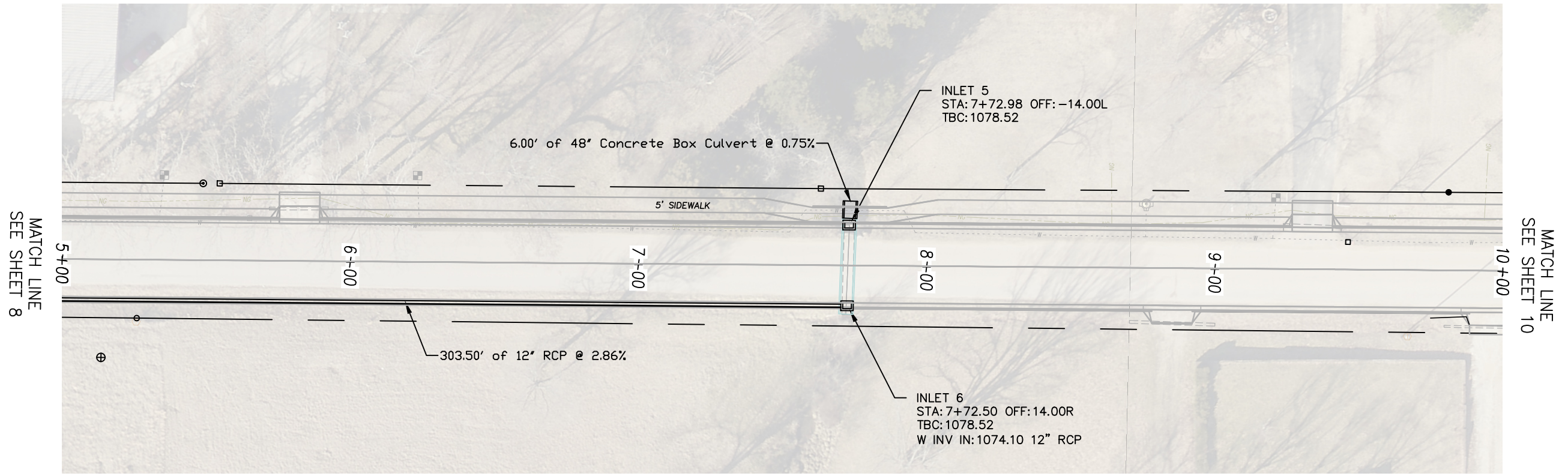
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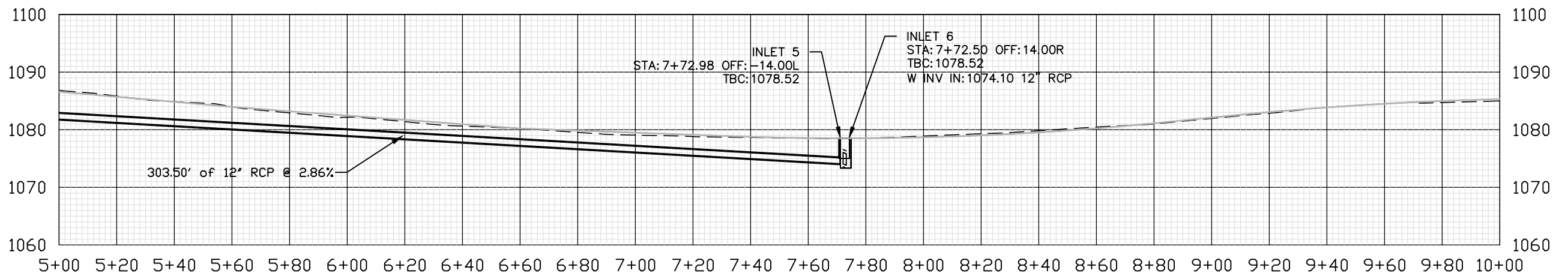
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1
9 **LITTLE OAKS ROAD STORM PLAN - Station 5+00 to Station 10+00**
Scale: 1" = 40'



2
9 **LITTLE OAKS ROAD STORM PROFILE - Station 5+00 to Station 10+00**
Scale: 1" = 40' H
1" = 20' V

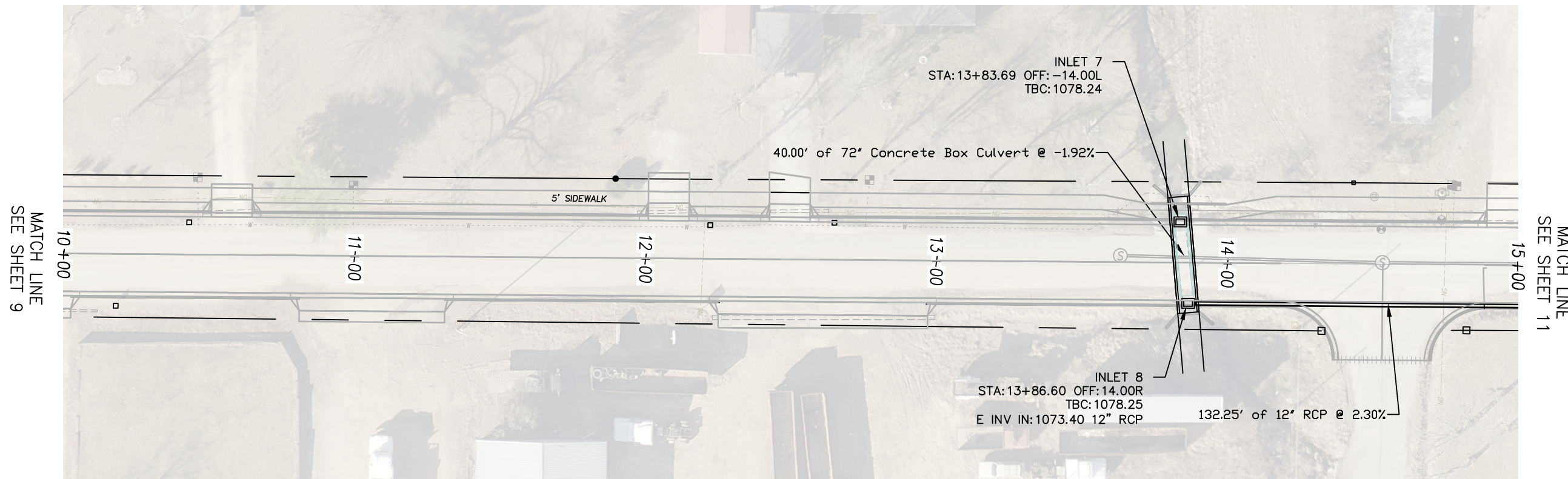
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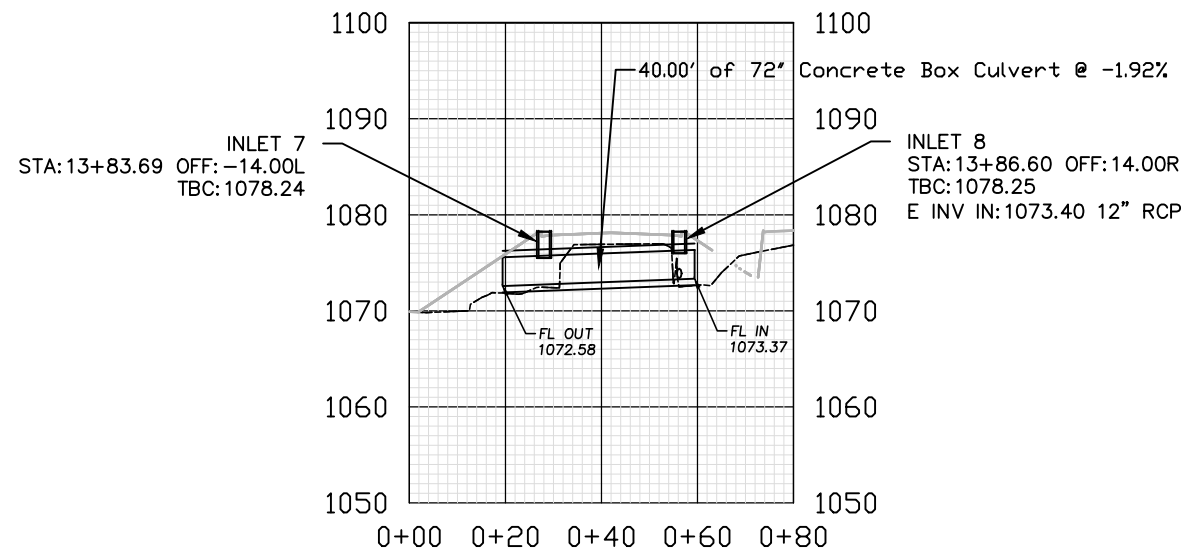
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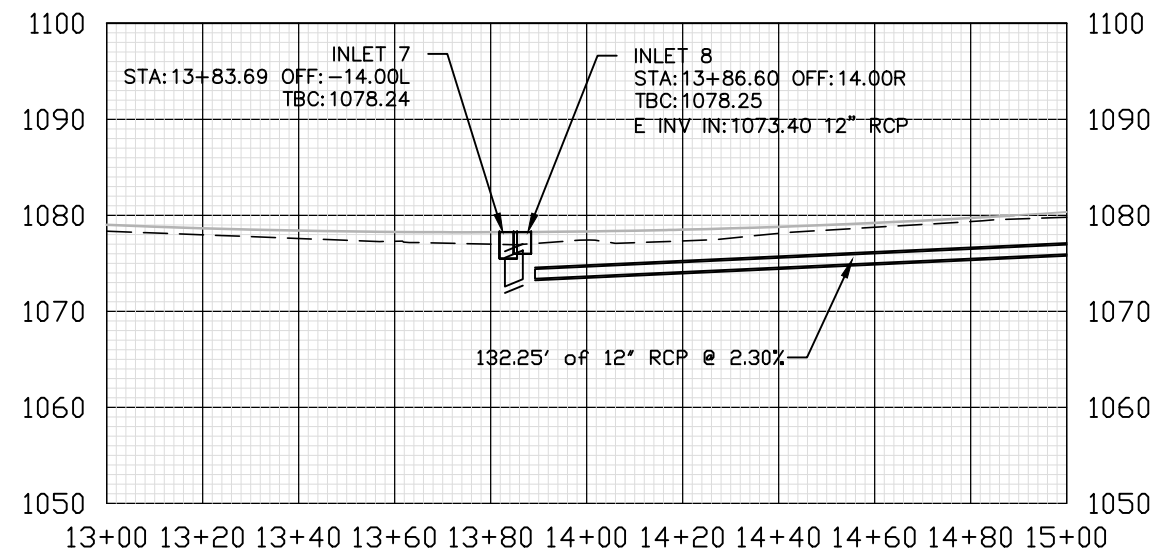
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1 LITTLE OAKS ROAD STORM PLAN - Station 10+00 to Station 15+00
10 Scale: 1" = 40'



2 LITTLE OAKS ROAD - BOX CULVERT CROSS SECTION
10 Scale: 1" = 40' H
 1" = 20' V



3 LITTLE OAKS ROAD STORM PROFILE - Station 13+00 to Station 15+00
10 Scale: 1" = 40' H
 1" = 20' V

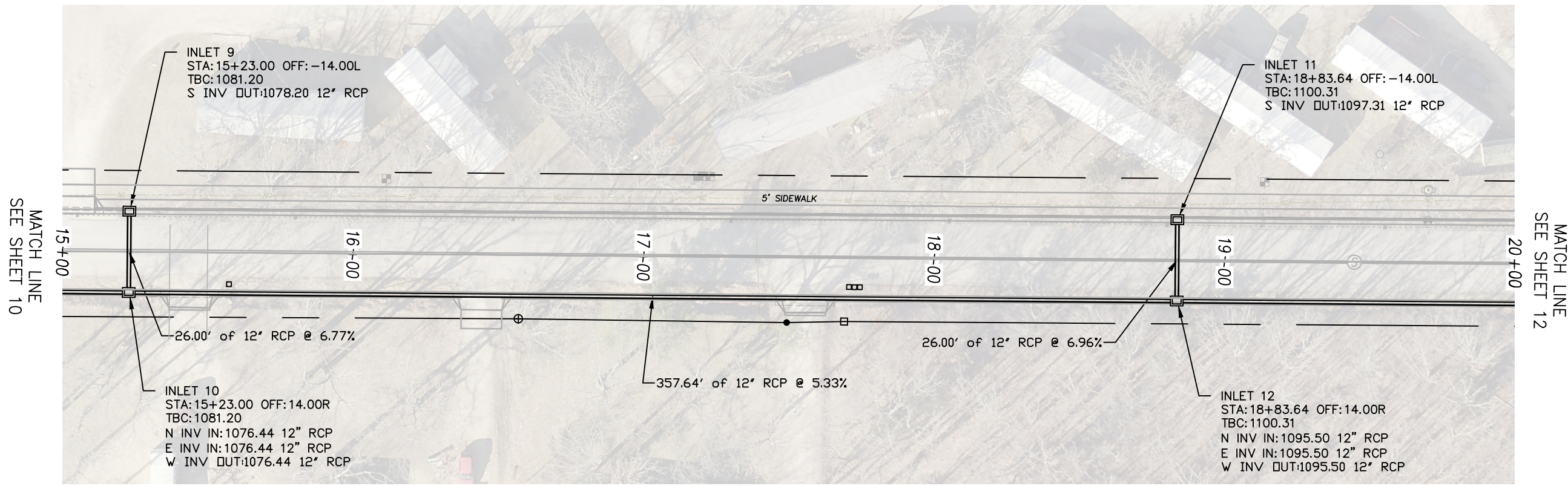
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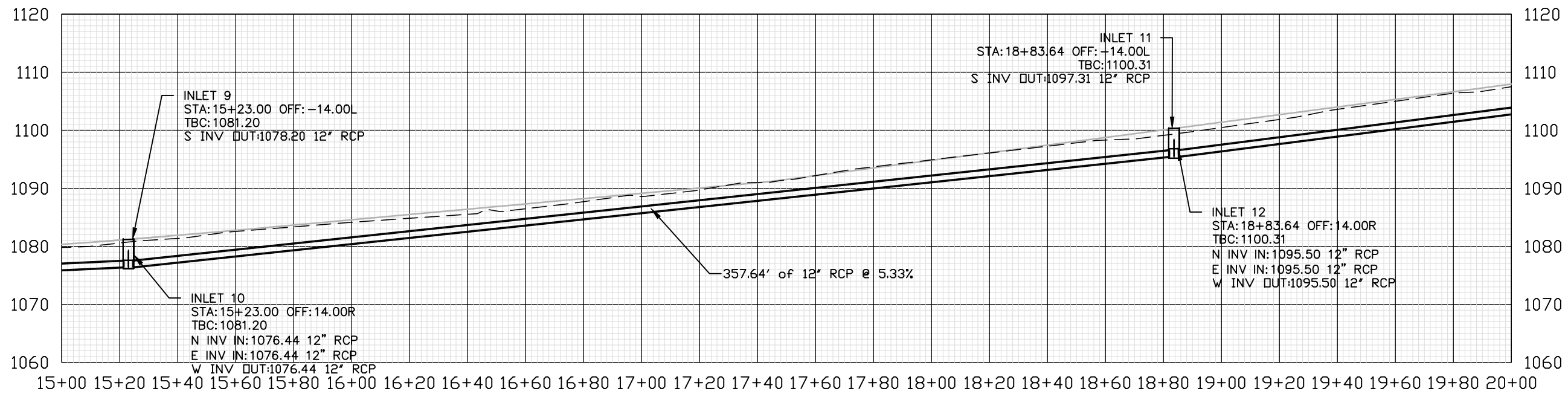
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PROJ 449 - LITTLE OAKS ROAD IMPROVEMENTS
City of Rolla Public Works Department
Storm Plan/Profile - Sta 10+00 - Sta 15+00

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1 LITTLE OAKS ROAD STORM PLAN - Station 15+00 to Station 20+00
 Scale: 1" = 40'



2 LITTLE OAKS ROAD STORM PROFILE - Station 15+00 to Station 20+00
 Scale: 1" = 40' H
 1" = 20' V

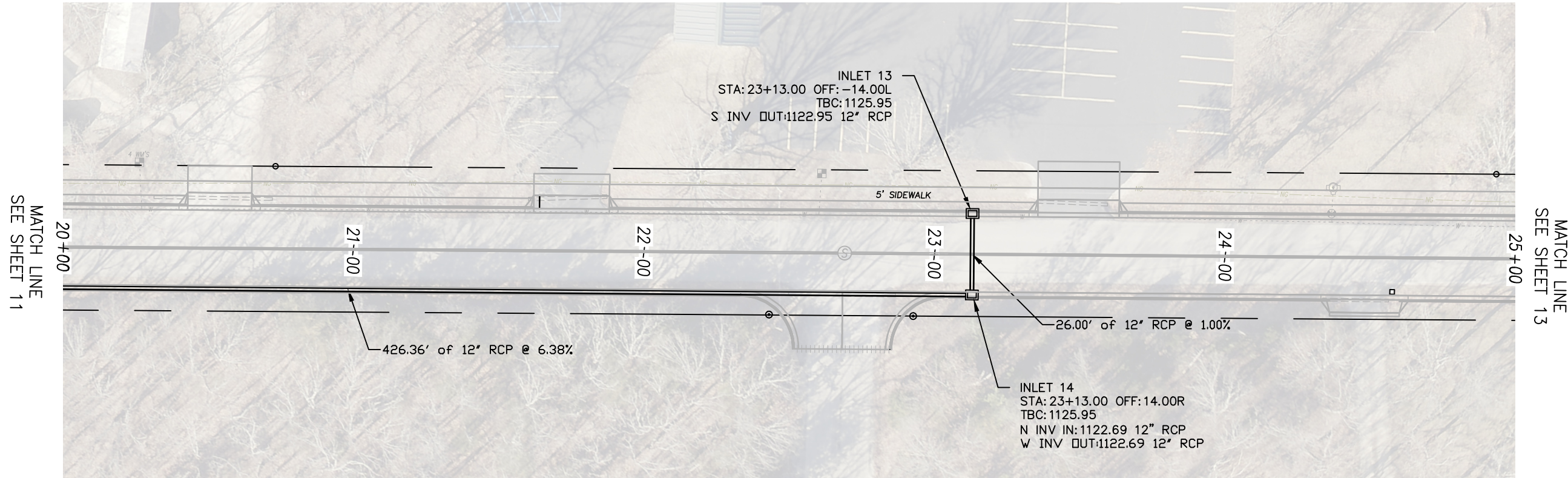
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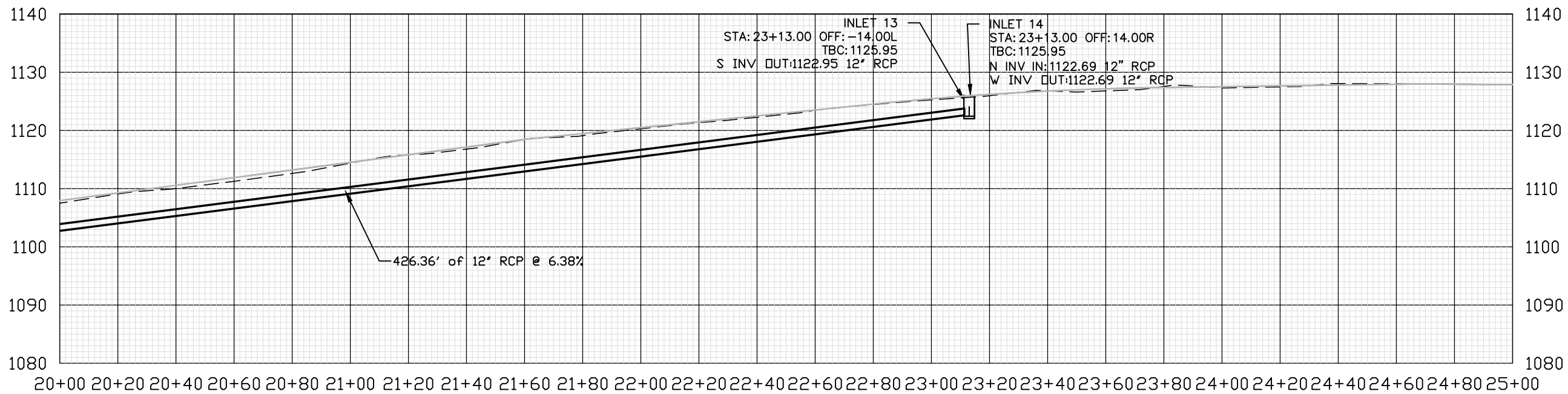
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PROJ 449 - LITTLE OAKS ROAD IMPROVEMENTS	
City of Rolla Public Works Department	
Storm Plan/Profile - Sta 15+00 - Sta 20+00	

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1 LITTLE OAKS ROAD STORM PLAN - Station 20+00 to Station 25+00
 Scale: 1" = 40'



2 LITTLE OAKS ROAD STORM PROFILE - Station 20+00 to Station 25+00
 Scale: 1" = 40' H
 1" = 20' V

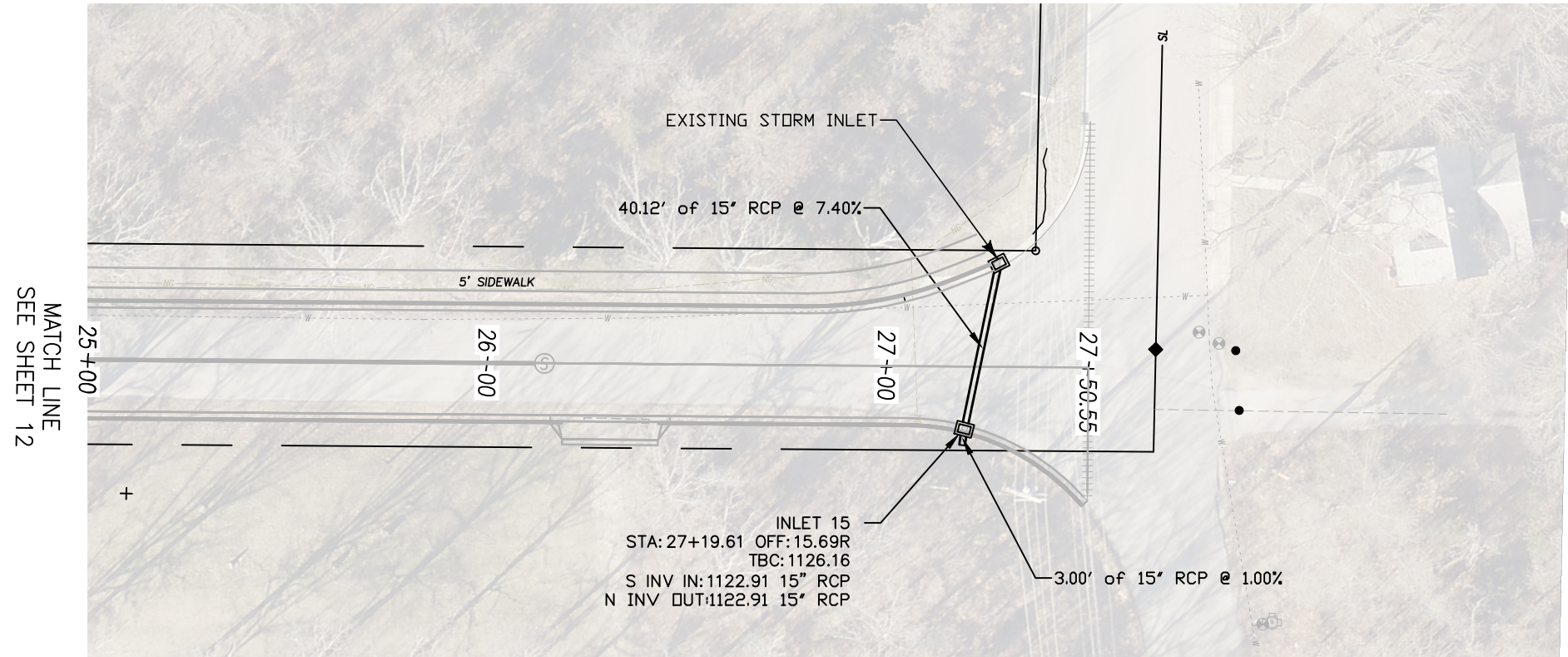
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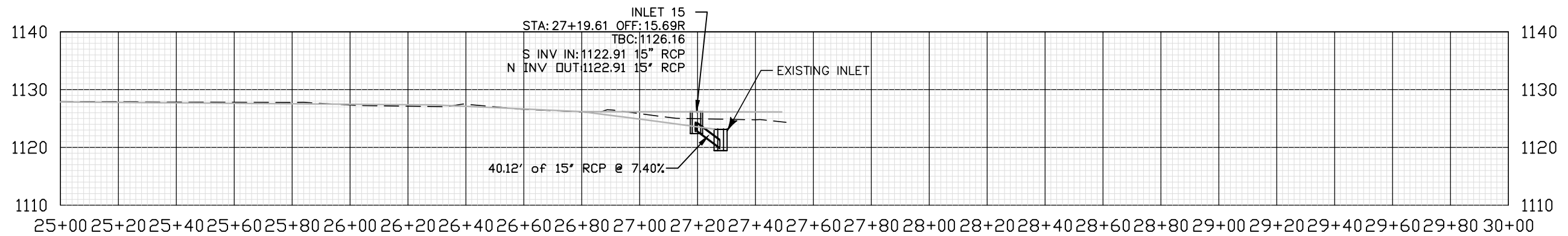
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PROJ 449 - LITTLE OAKS ROAD IMPROVEMENTS City of Rolla Public Works Department Storm Plan/Profile - Sta 20+00 - Sta 25+00

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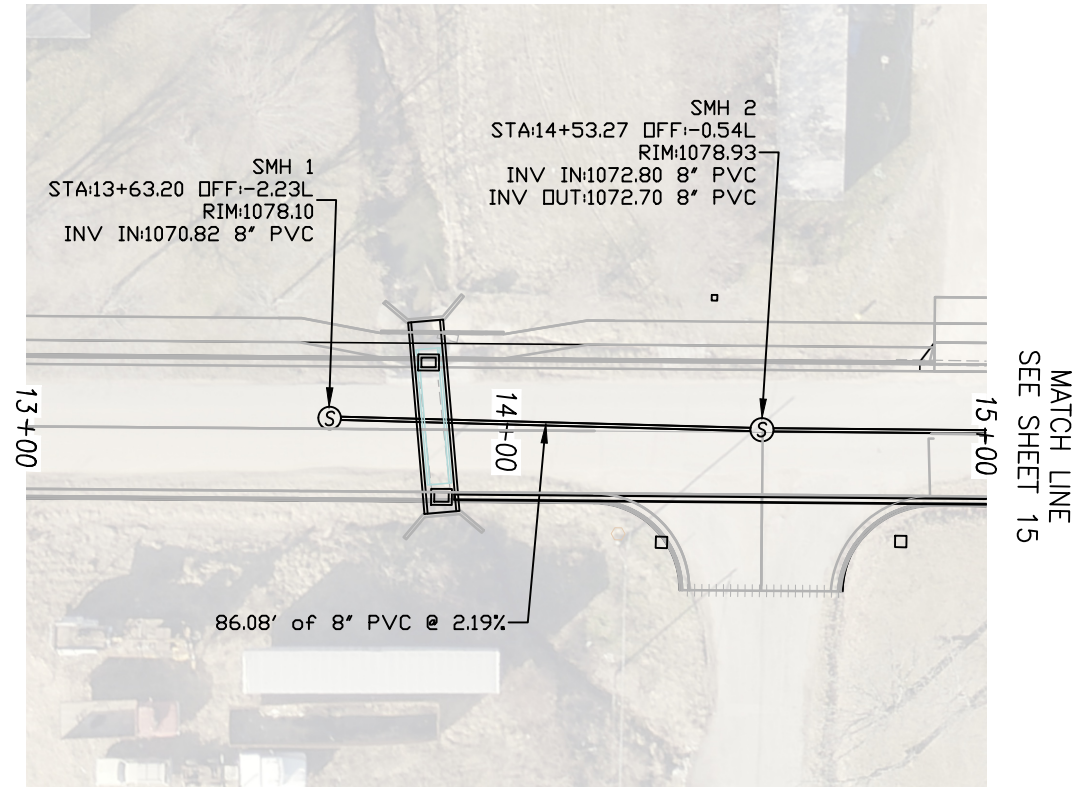


1 LITTLE OAKS ROAD STORM PLAN - Station 25+00 to Station 27+67.32
13 Scale: 1" = 40'

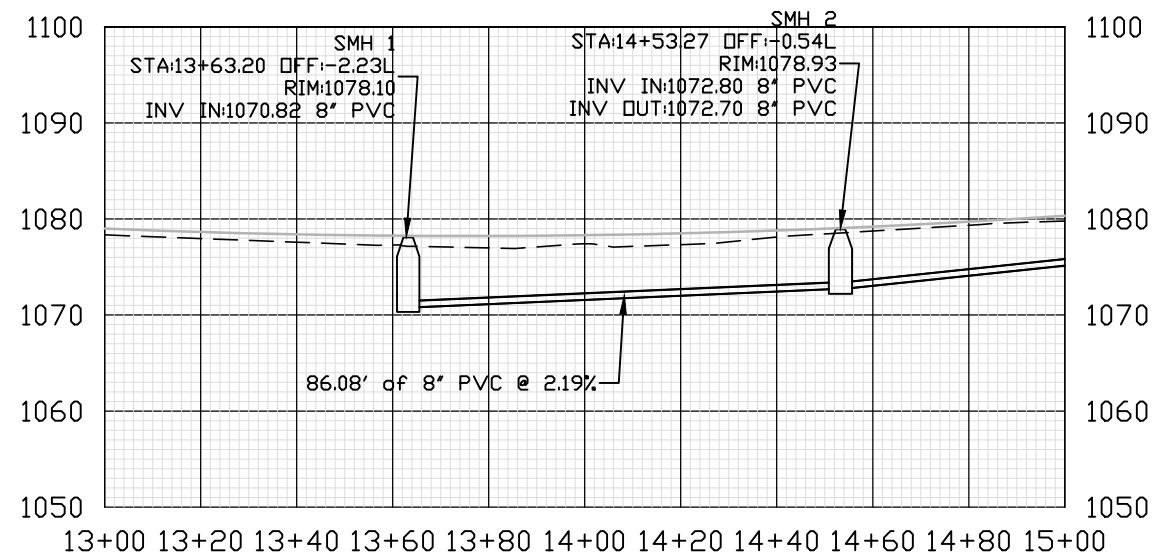


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13 Scale: 1" = 40' H
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City of Rolla Department of Public Works 901 North Elm Street Phone: 573-364-8659 www.rollacity.org	Designed: CAF Drawn: CAF Checked: MBK	Date: OCT. 2025 Scale: AS SHOWN Proj. No.: 449	Rev.	Description	Date
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1 LITTLE OAKS ROAD SANITARY PLAN - Station 10+00 to Station 15+00
14 Scale: 1" = 40'



2 LITTLE OAKS ROAD SANITARY PROFILE - Station 10+00 to Station 15+00
14 Scale: 1" = 40' H
 1" = 20' V

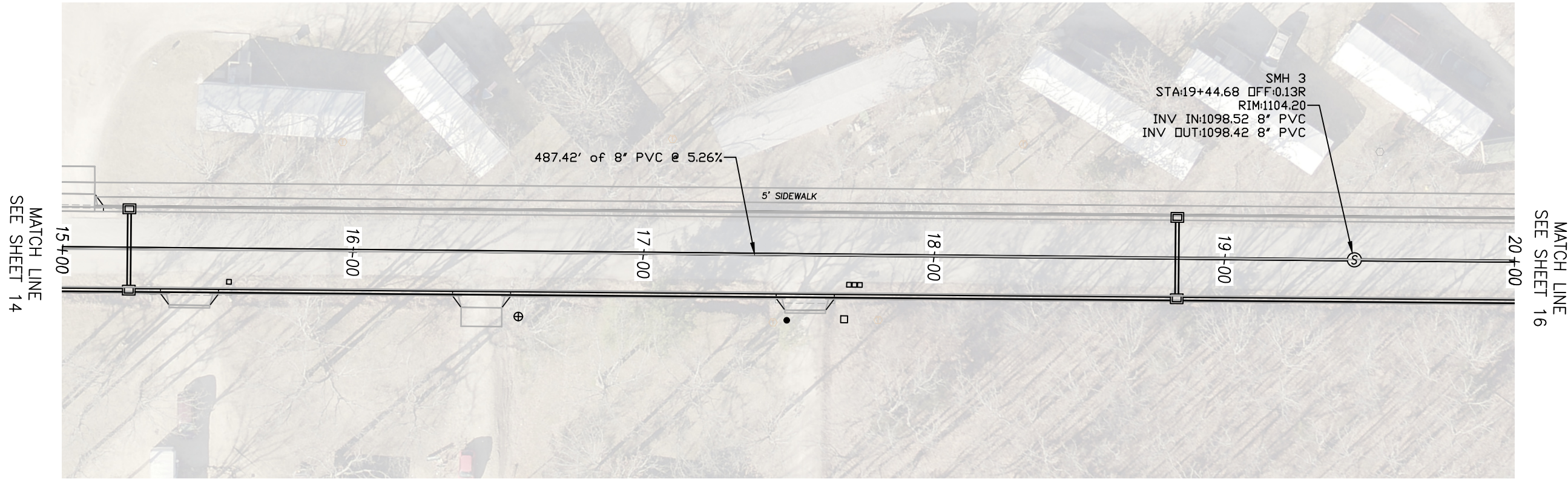
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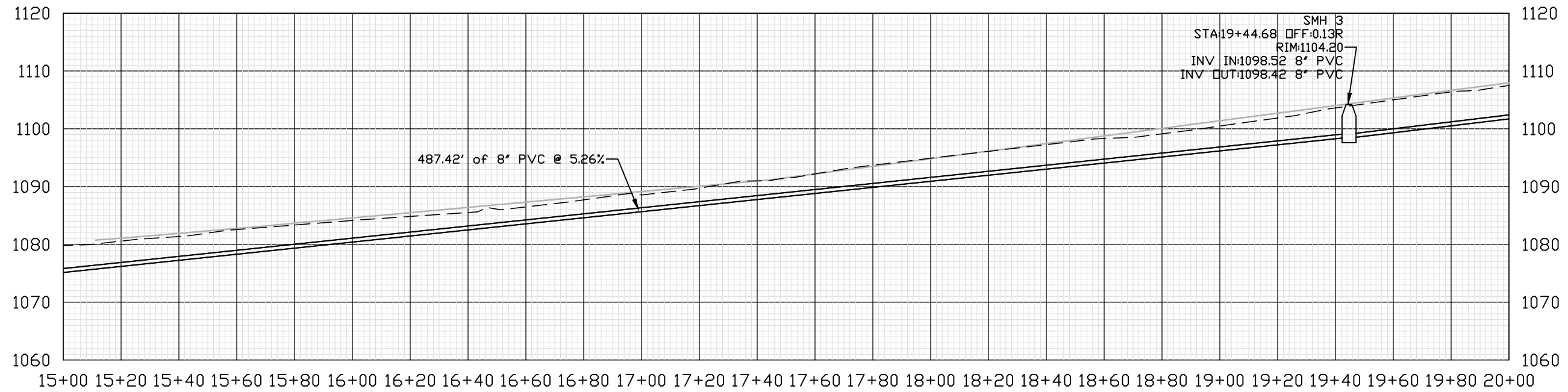
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Sanitary Plan/Profile - Sta 13+00 - Sta 15+00

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1 LITTLE OAKS ROAD SANITARY PLAN - Station 15+00 to Station 20+00
 Scale: 1" = 40'



2 LITTLE OAKS ROAD SANITARY PROFILE - Station 15+00 to Station 20+00
 Scale: 1" = 40' H
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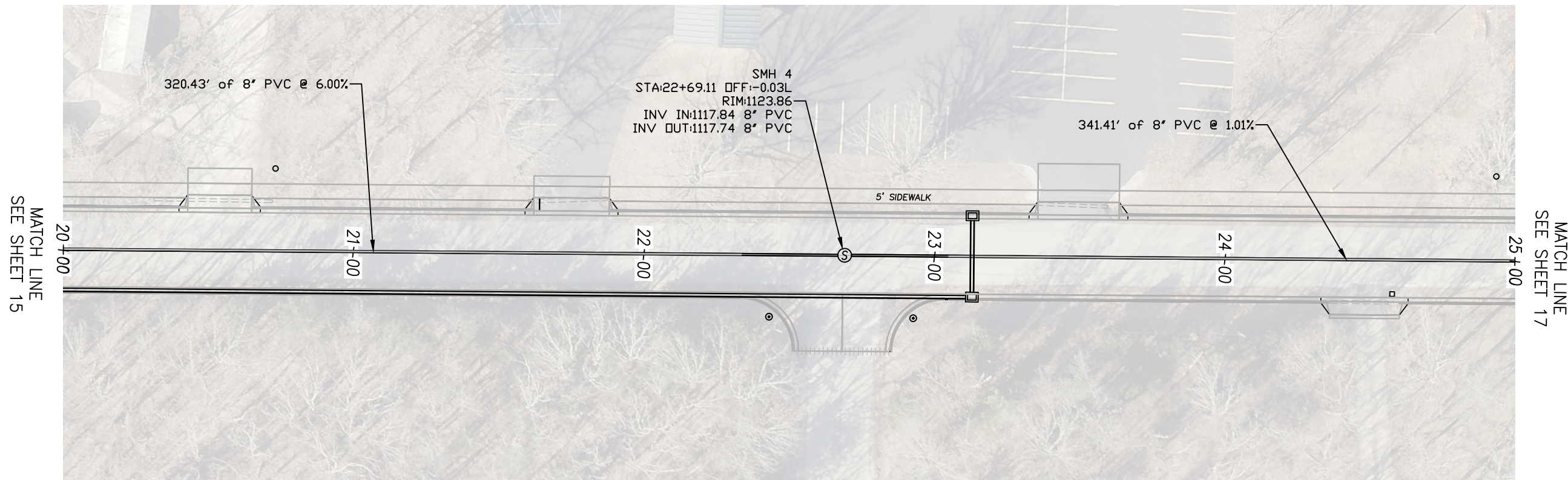
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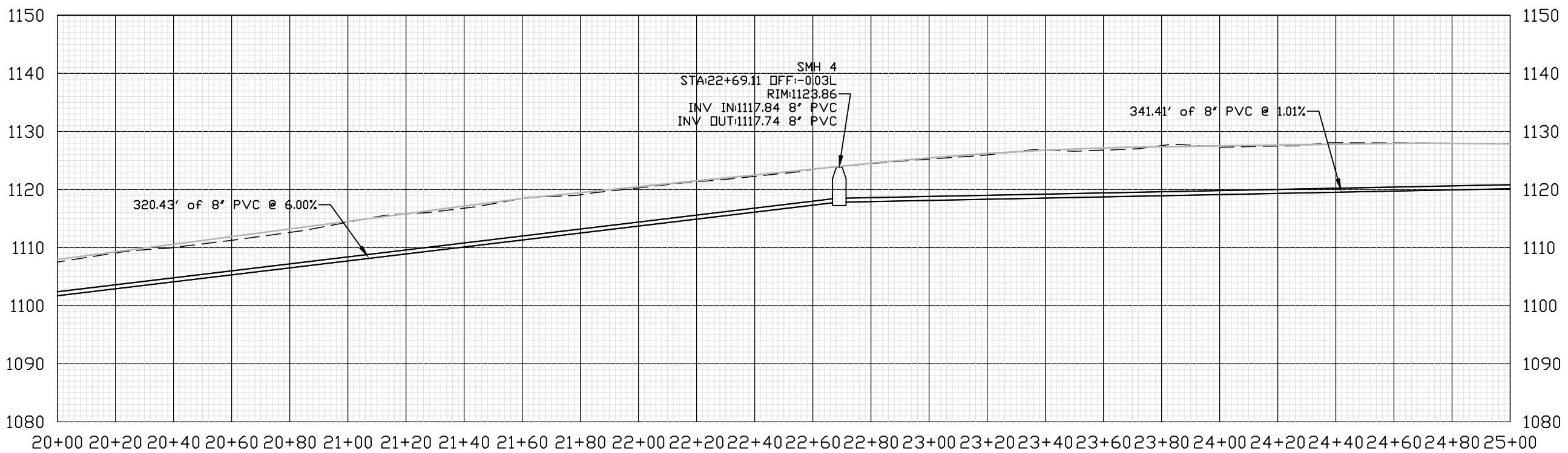
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Sanitary Plan/Profile - Sta 15+00 - Sta 20+00

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1 LITTLE OAKS ROAD SANITARY PLAN - Station 20+00 to Station 25+00
 Scale: 1" = 40'



2 LITTLE OAKS ROAD SANITARY PROFILE - Station 20+00 to Station 25+00
 Scale: 1" = 40' H
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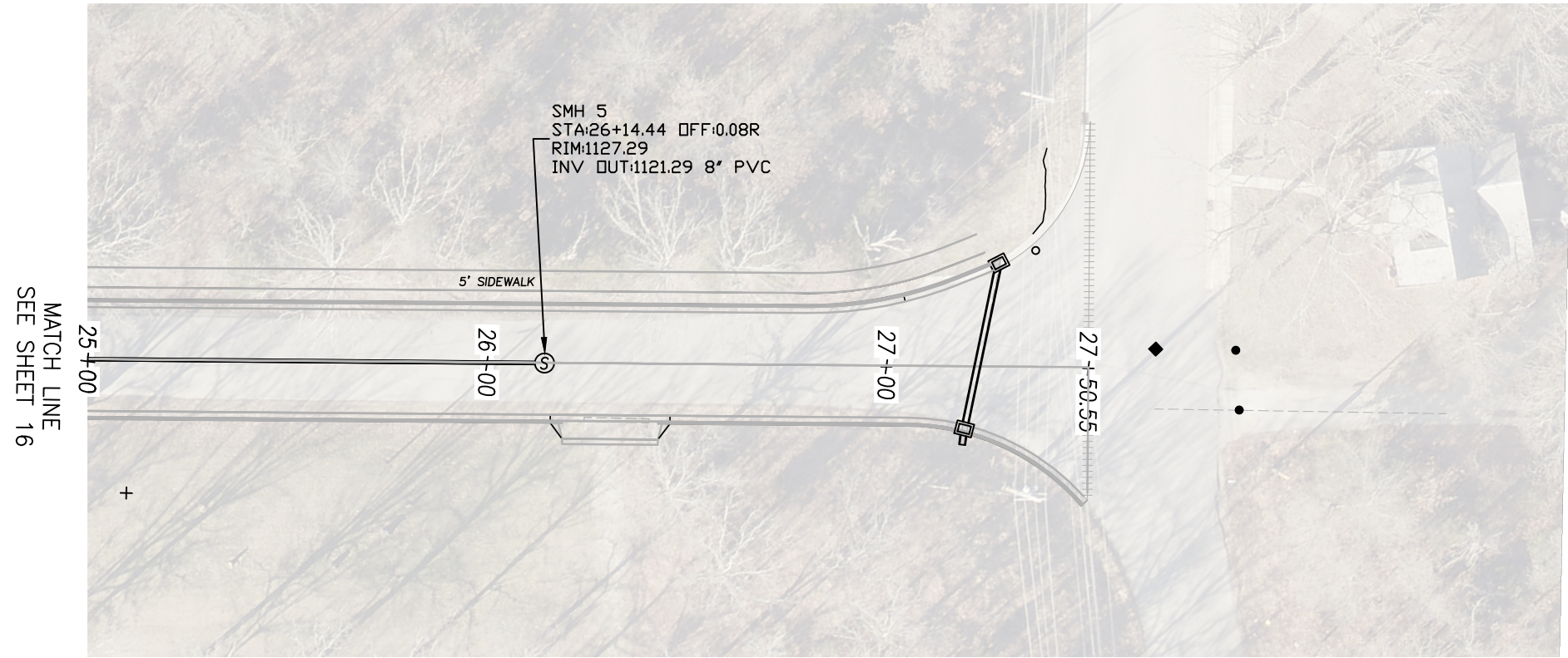
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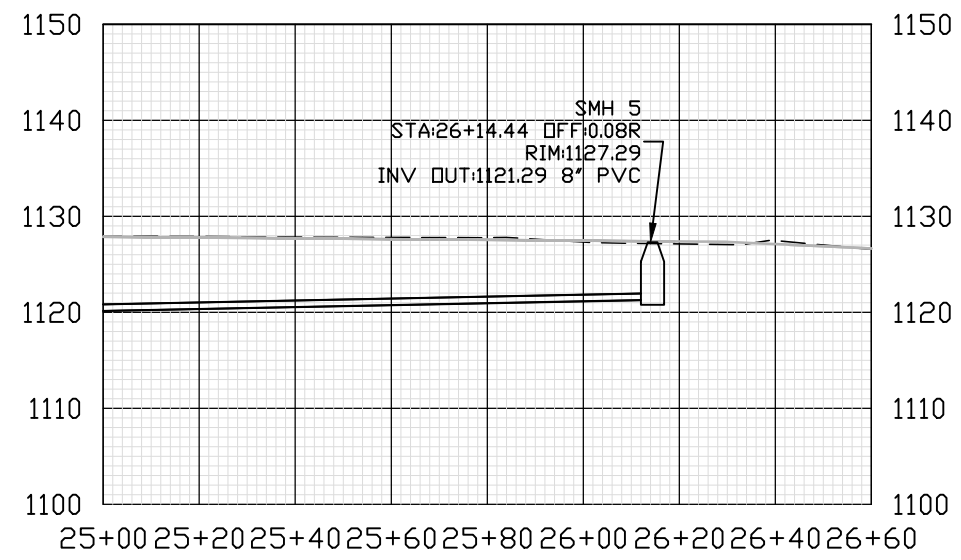
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1 LITTLE OAKS ROAD SANITARY PLAN - Station 25+00 to Station 27+67.32
17 Scale: 1" = 40'



2 LITTLE OAKS ROAD SANITARY PROFILE - Station 25+00 to Station 27+67.32
17 Scale: 1" = 40' H
 1" = 20' V

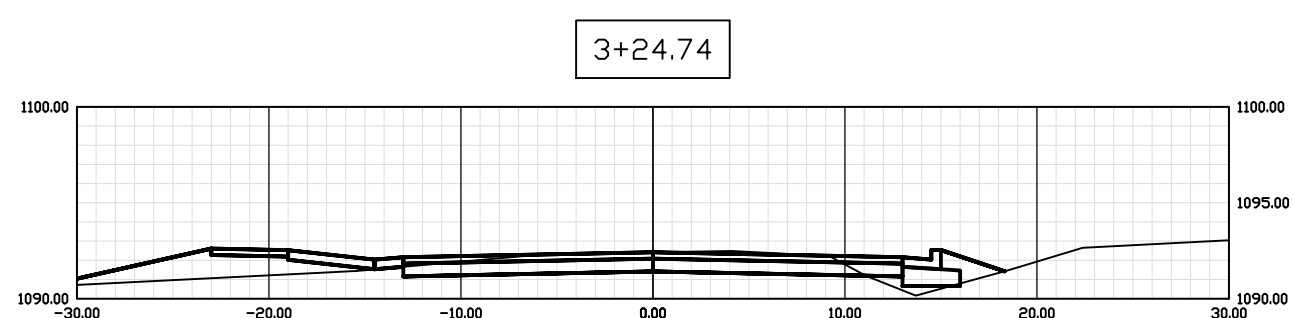
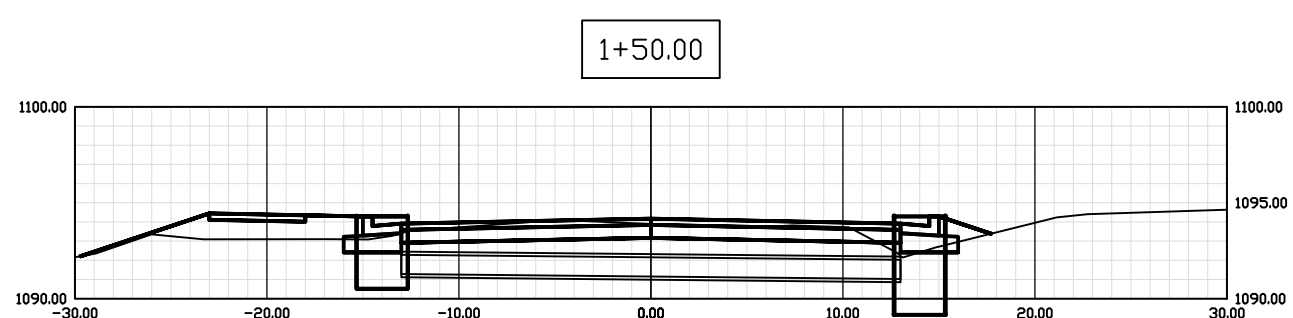
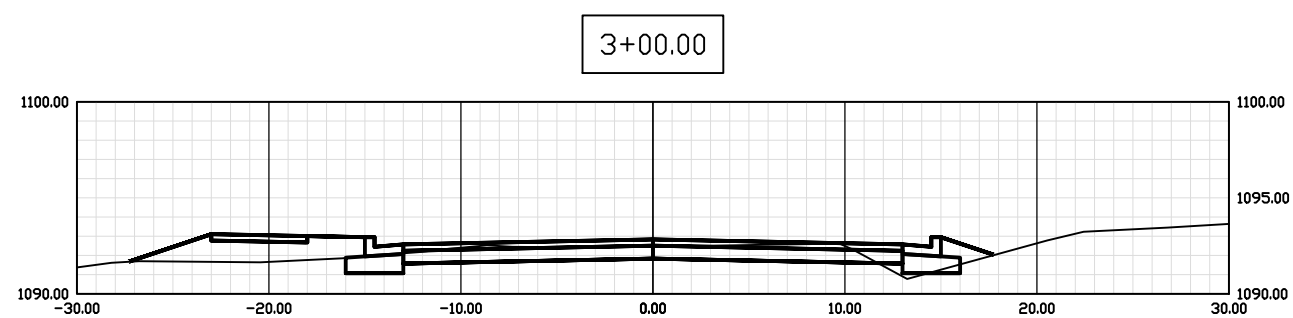
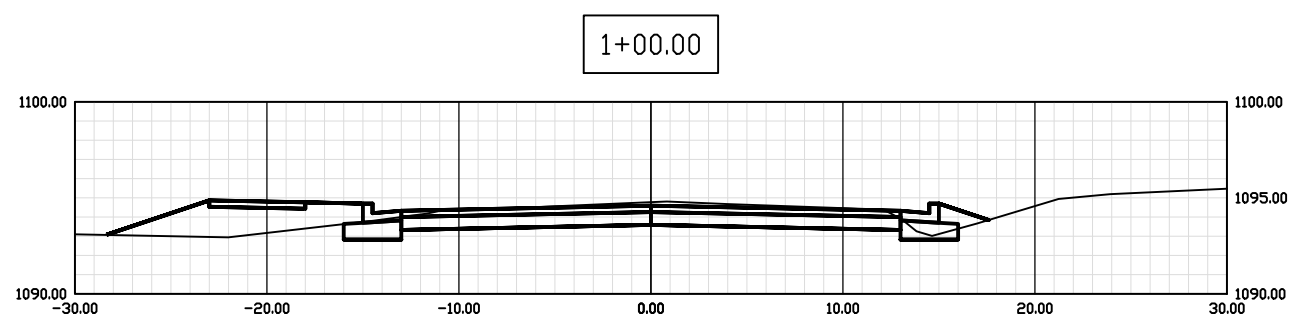
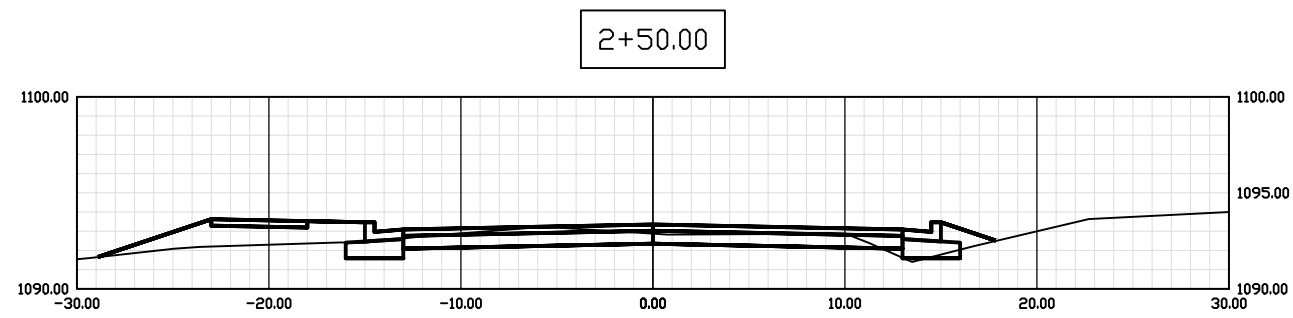
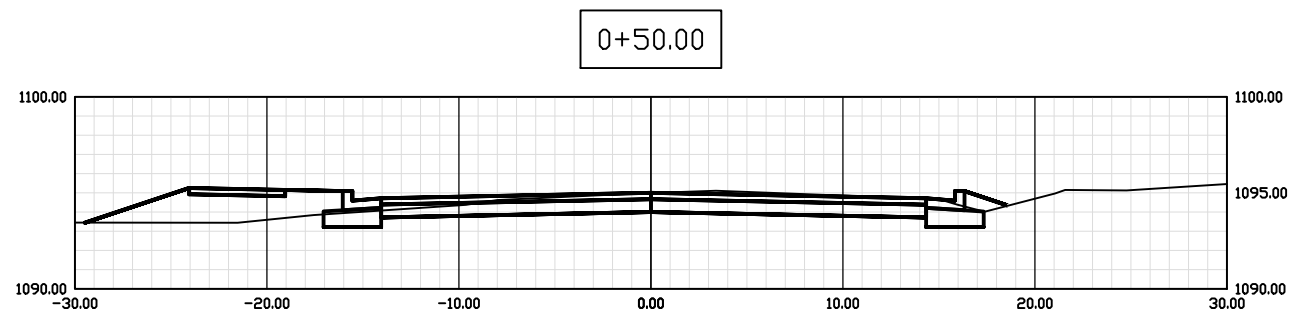
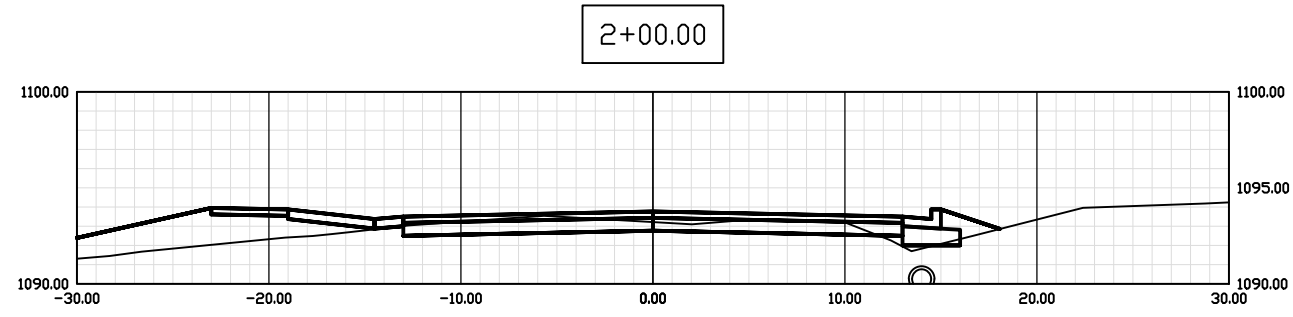
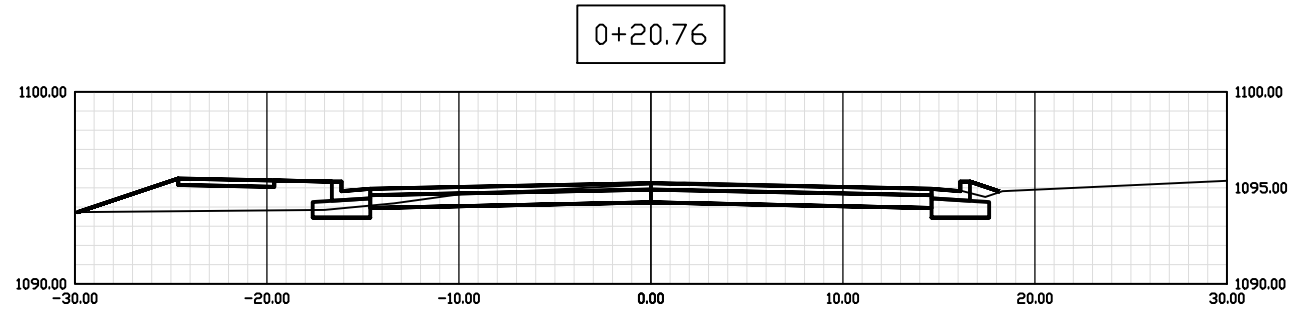
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City of Rolla Public Works Department
Sanitary Plan/Profile - Sta 25+00 - Sta 27+50.55

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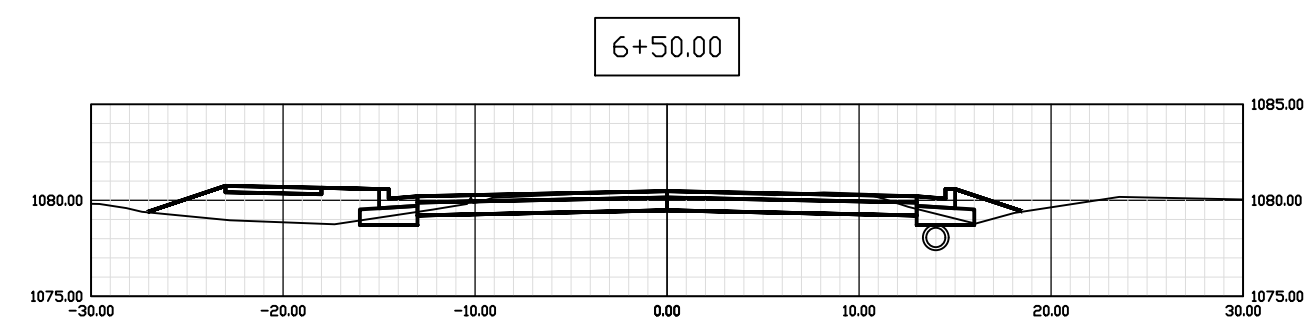
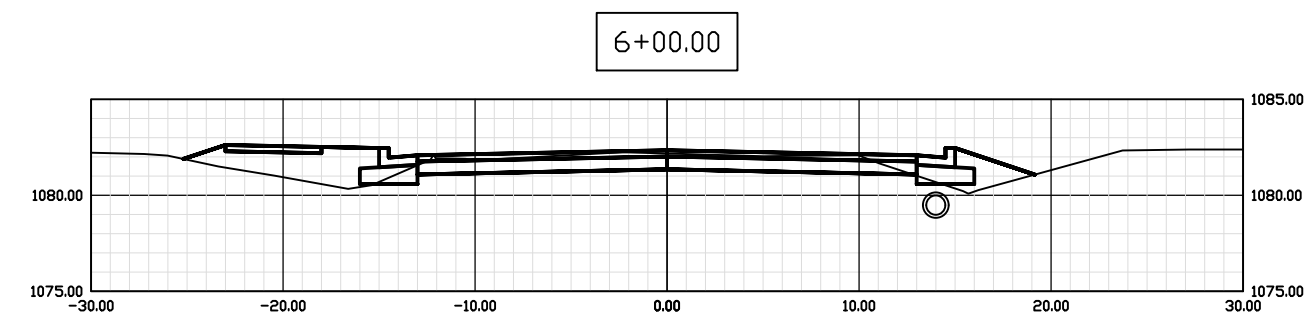
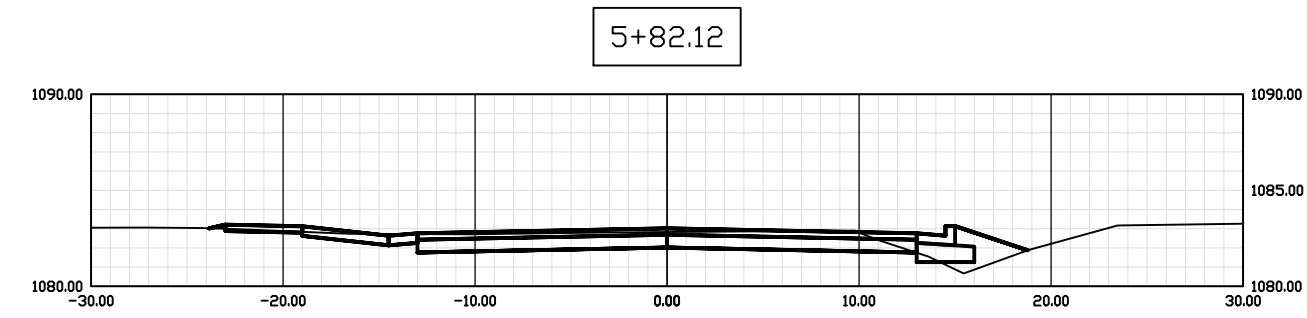
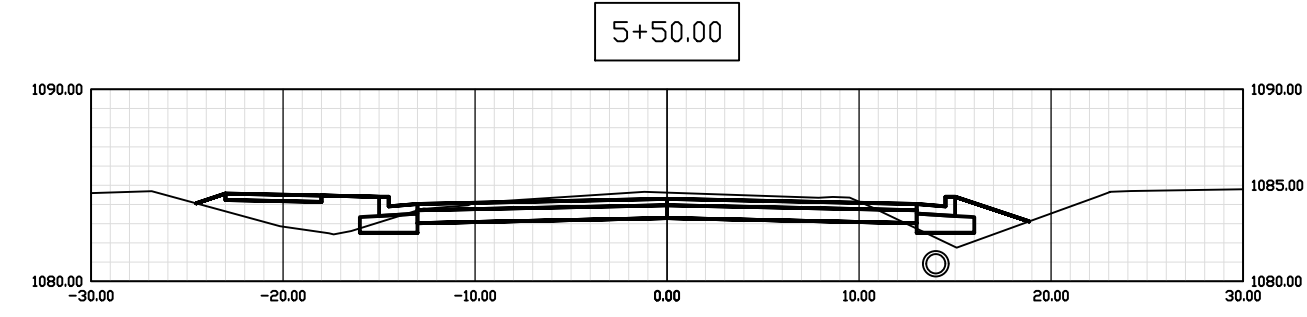
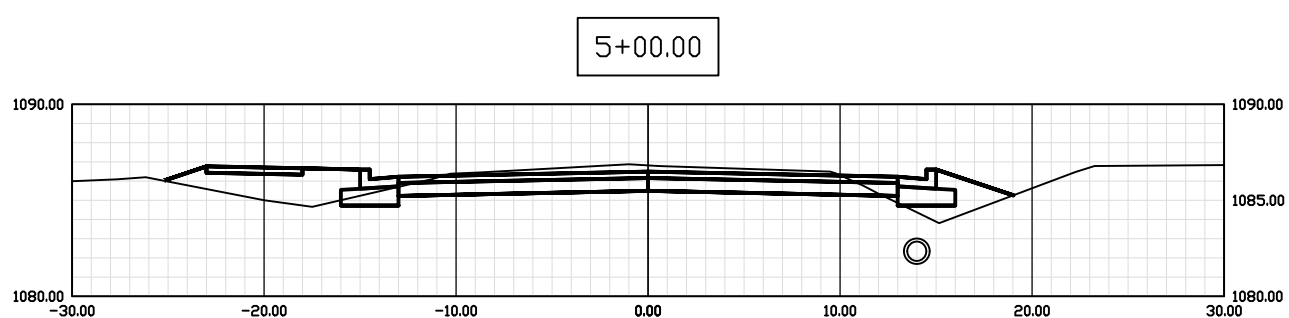
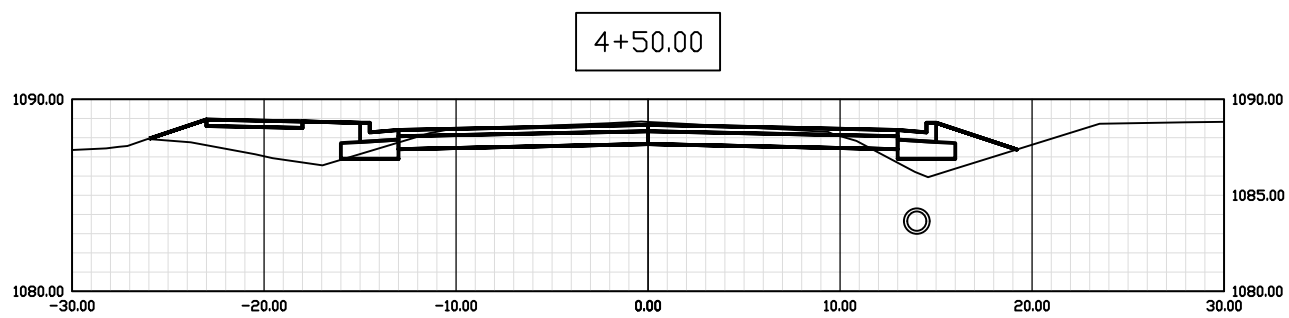
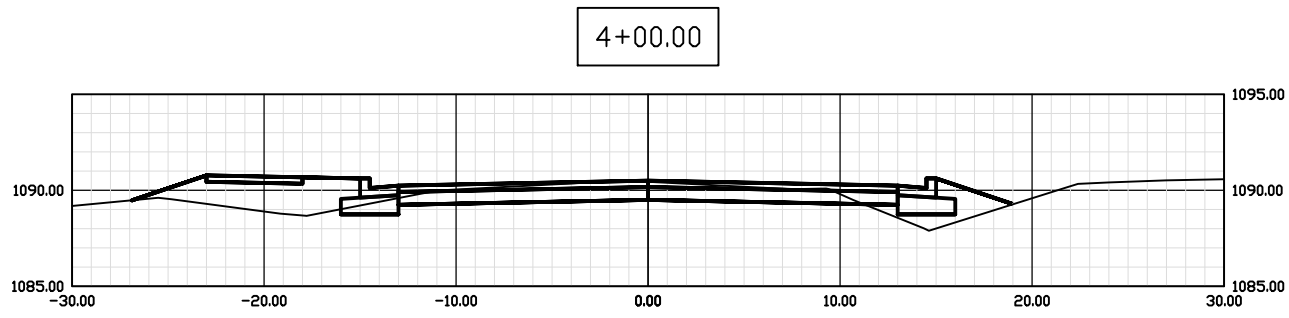
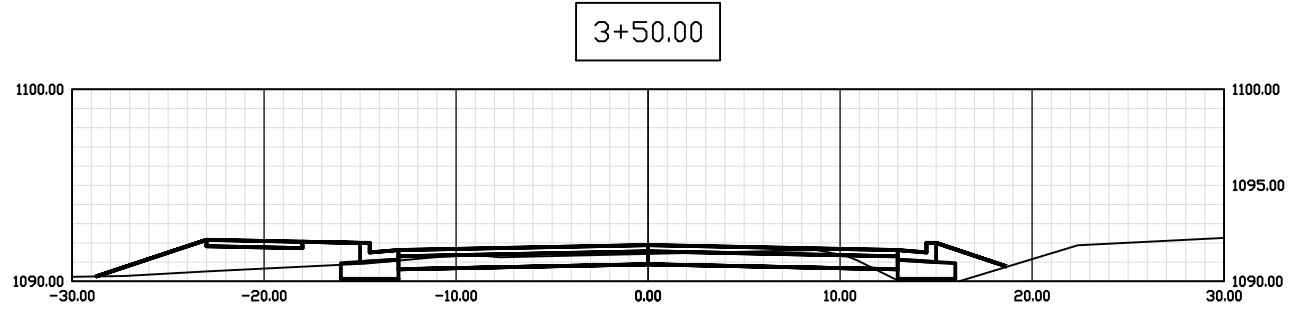
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 Cross Sections- Sta 0+20.76 - Sta 3+24.74

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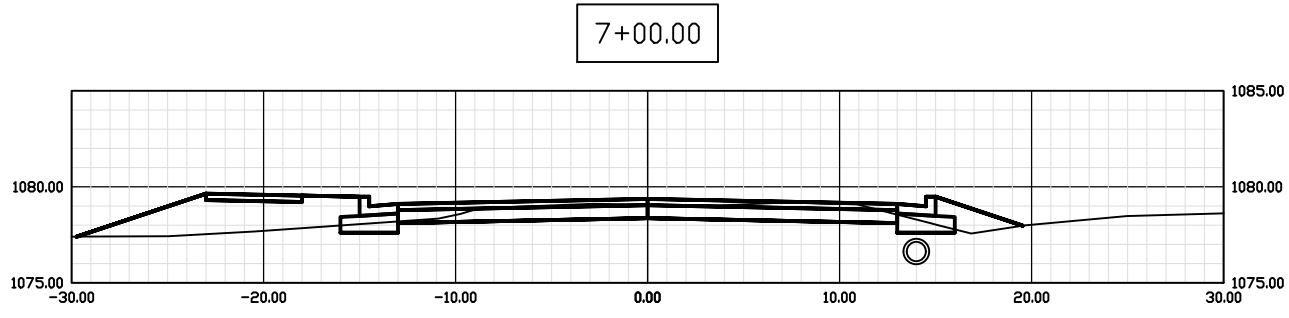
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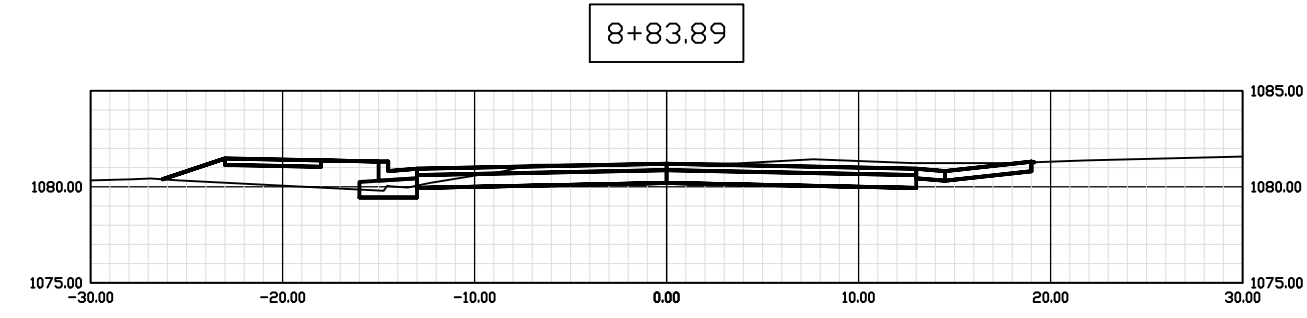
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City of Rolla Public Works Department	
Cross Sections - Sta 3+50 - Sta 6+50	

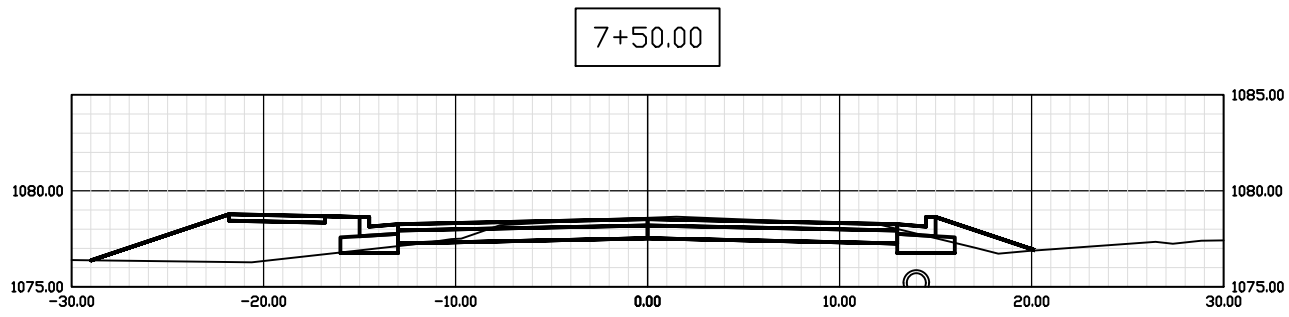
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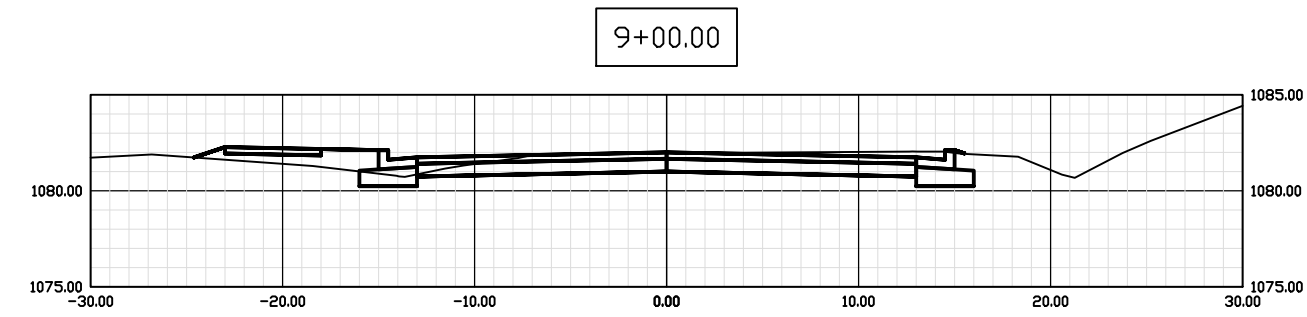
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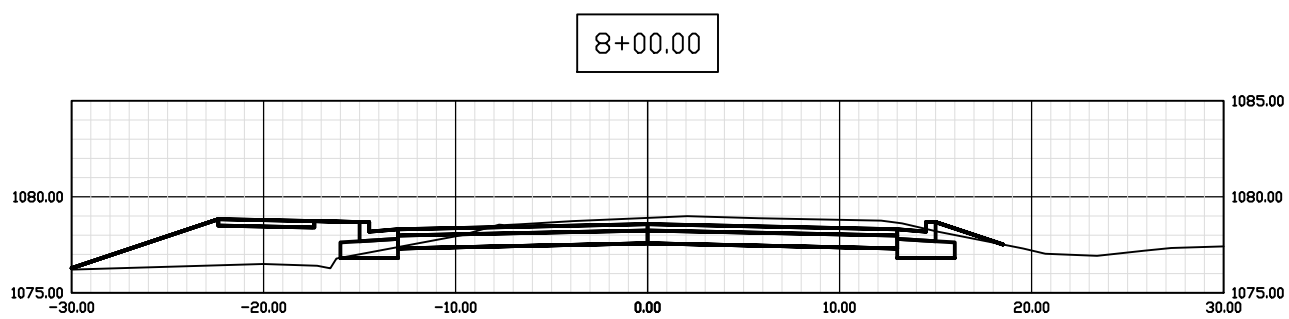
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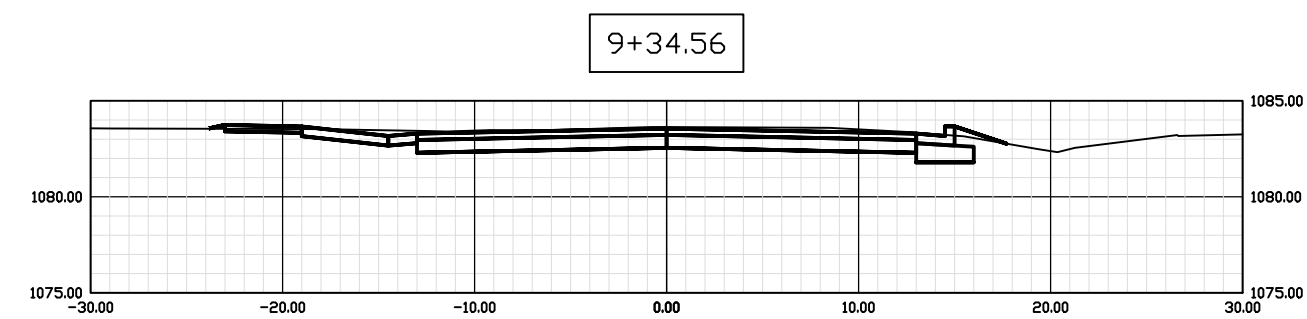
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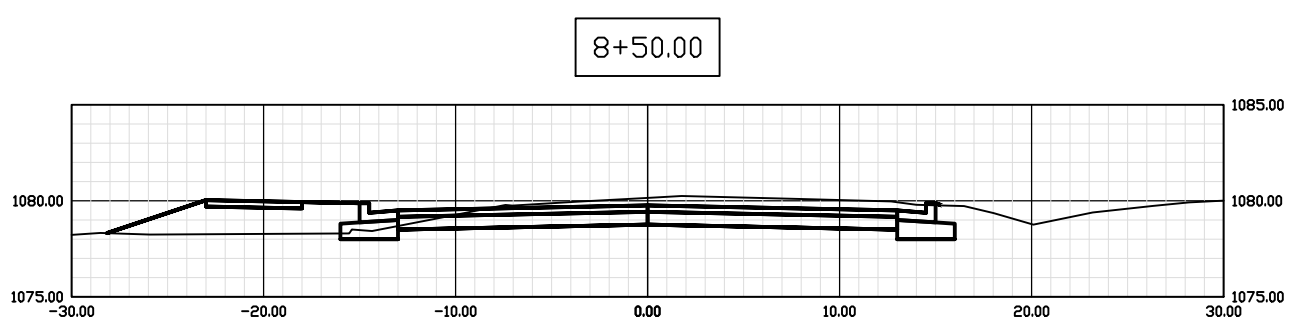
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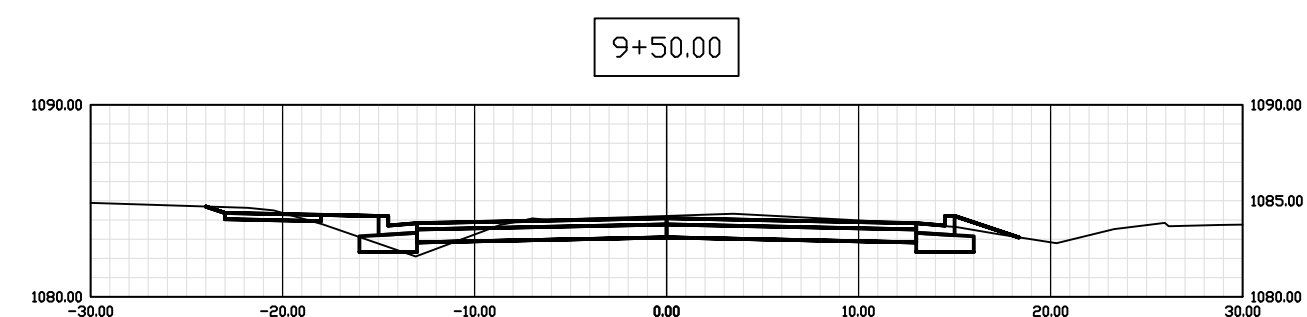
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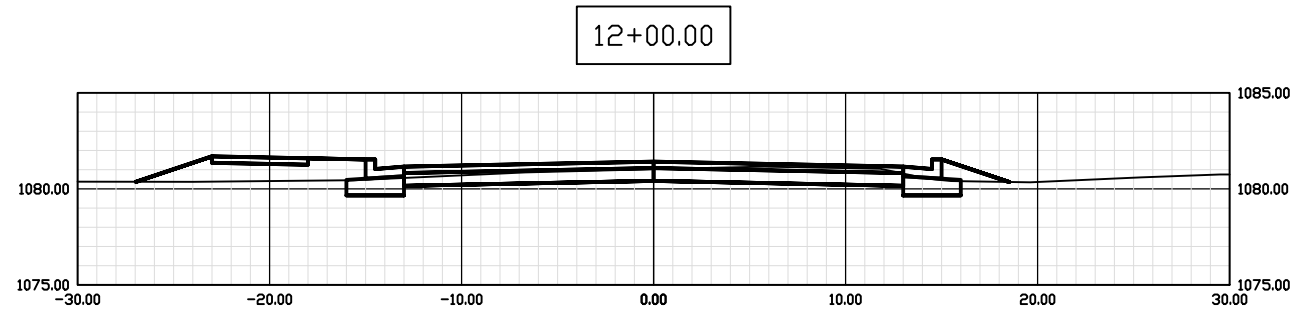
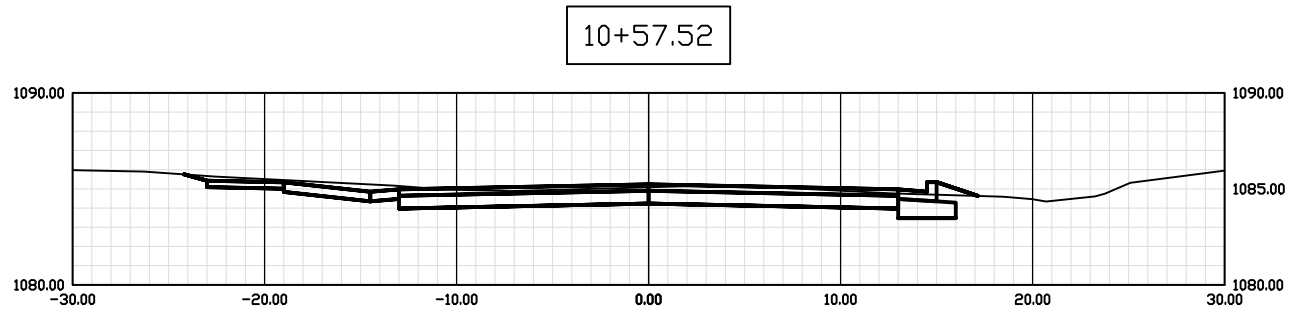
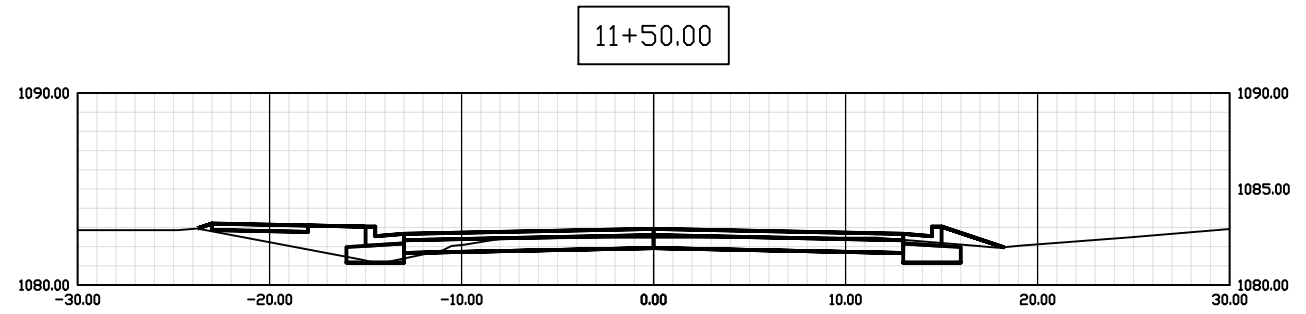
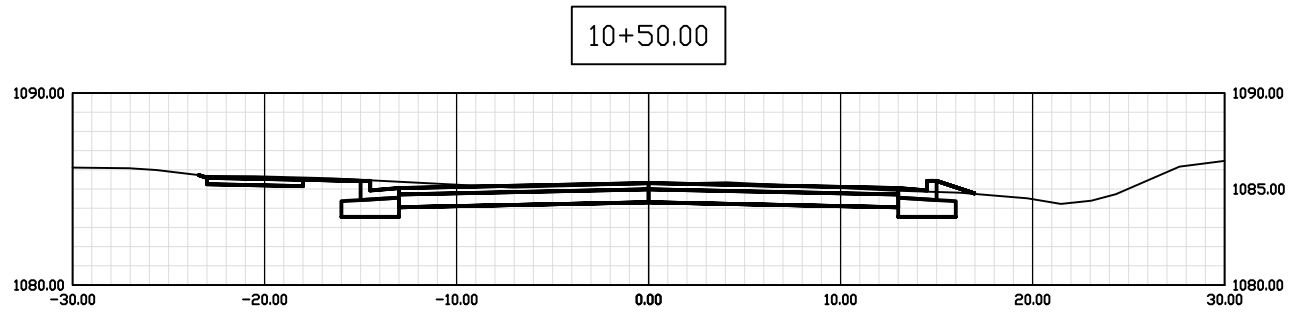
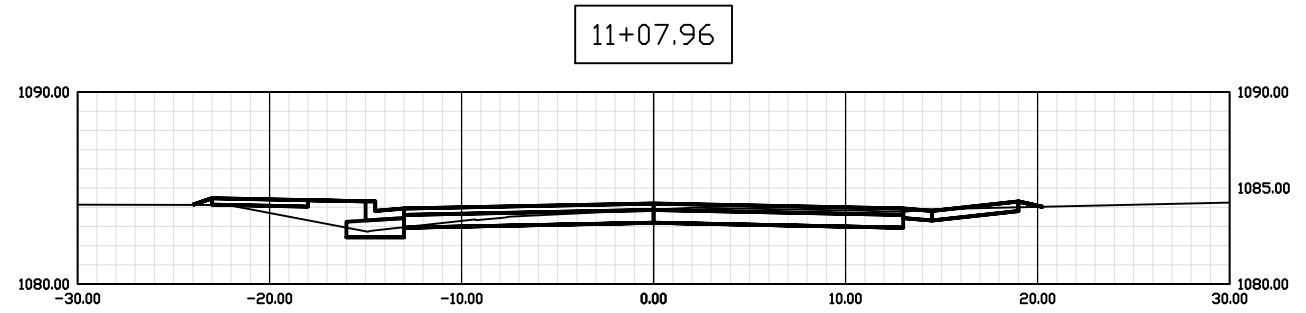
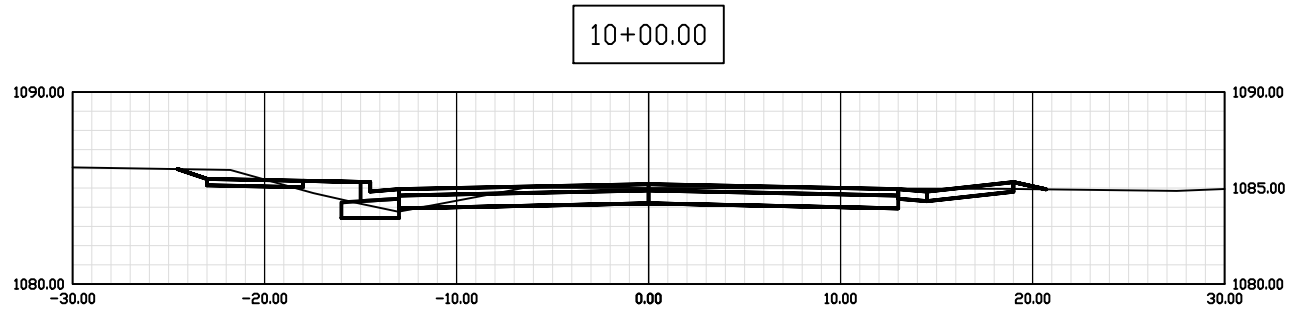
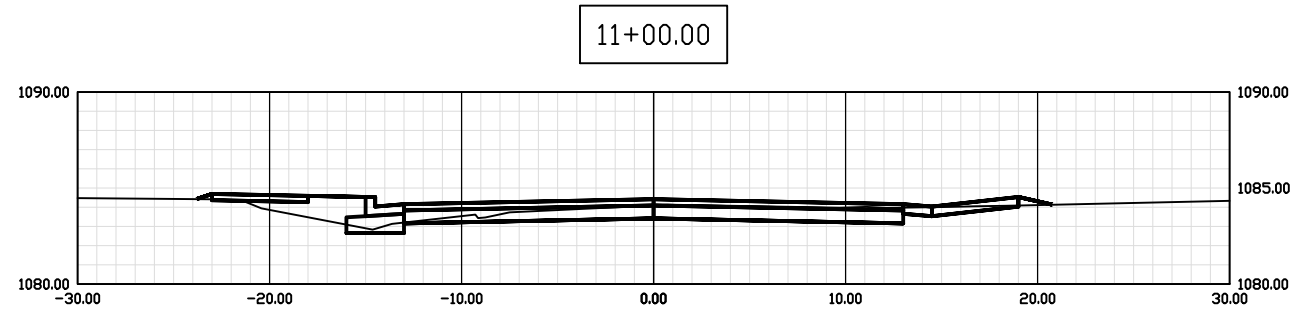
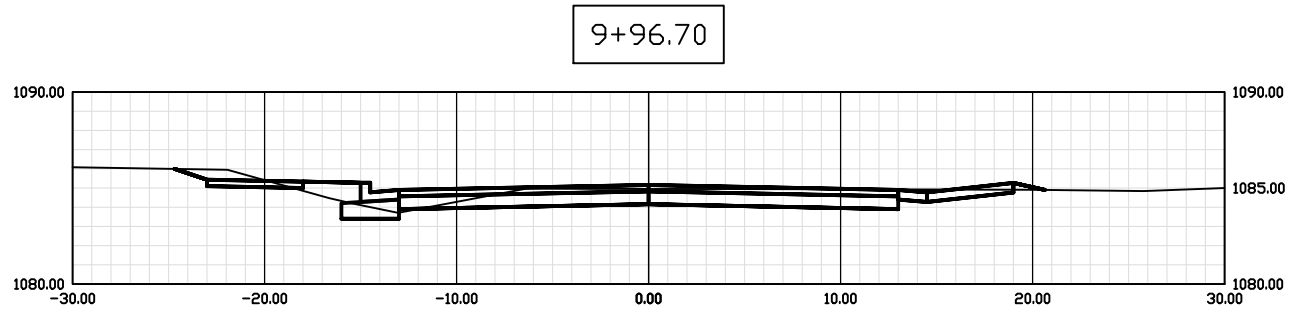
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 City of Rolla Public Works Department
 Cross Sections - Sta 7+00 - Sta 9+50

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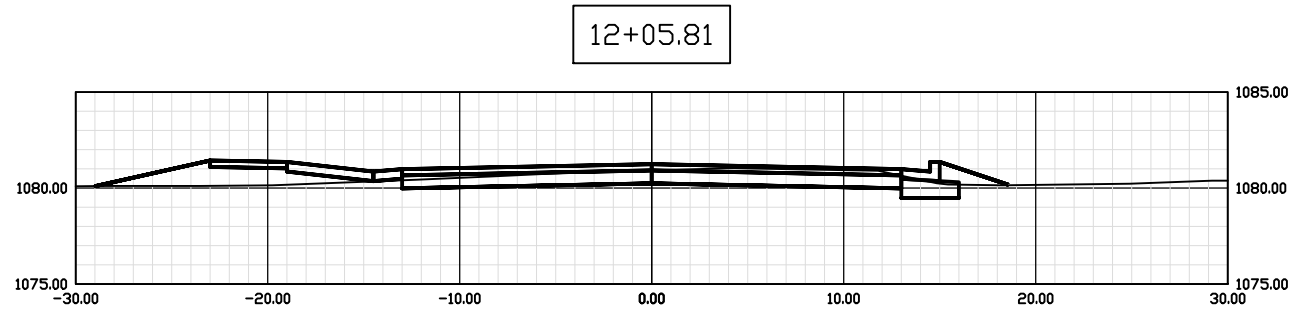
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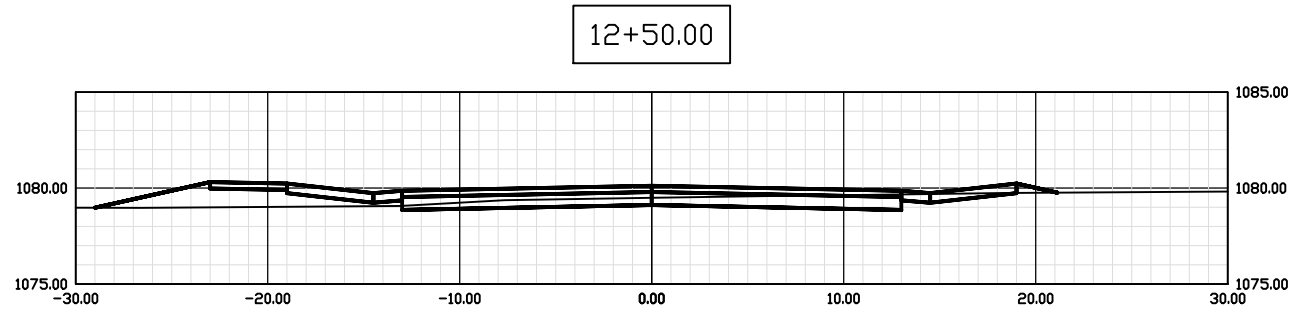
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 City of Rolla Public Works Department
 Cross Sections - Sta 9+96.70 - Sta 12+00

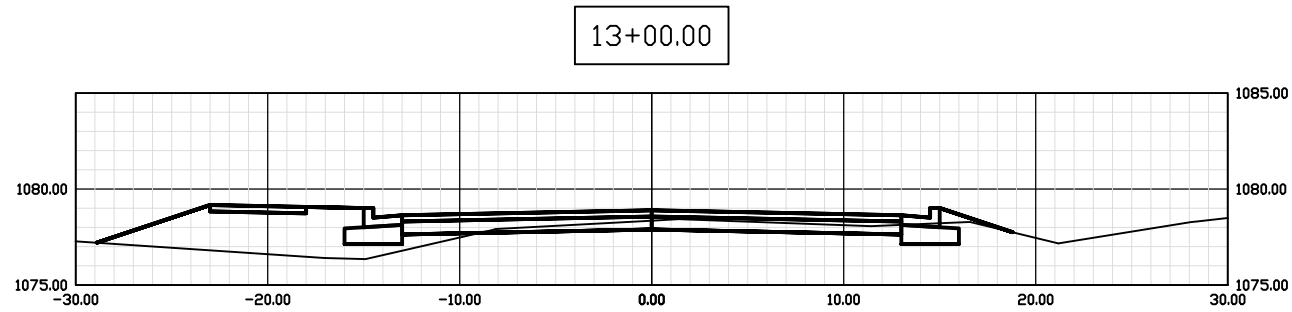
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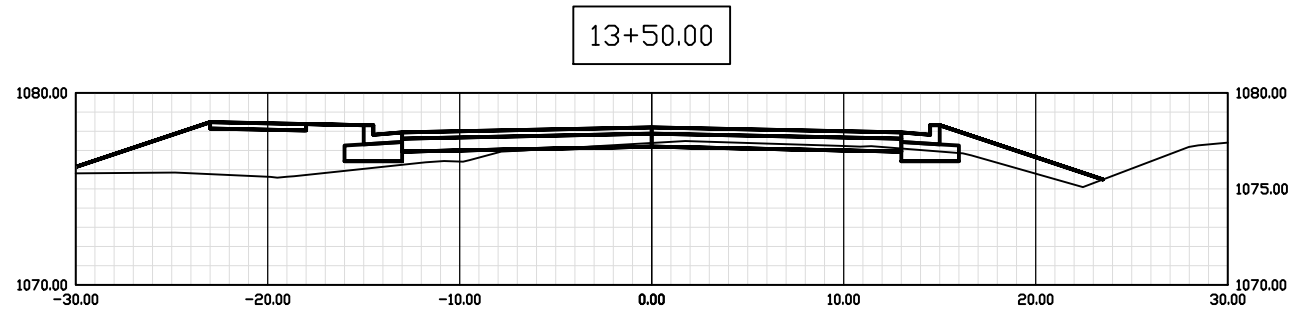
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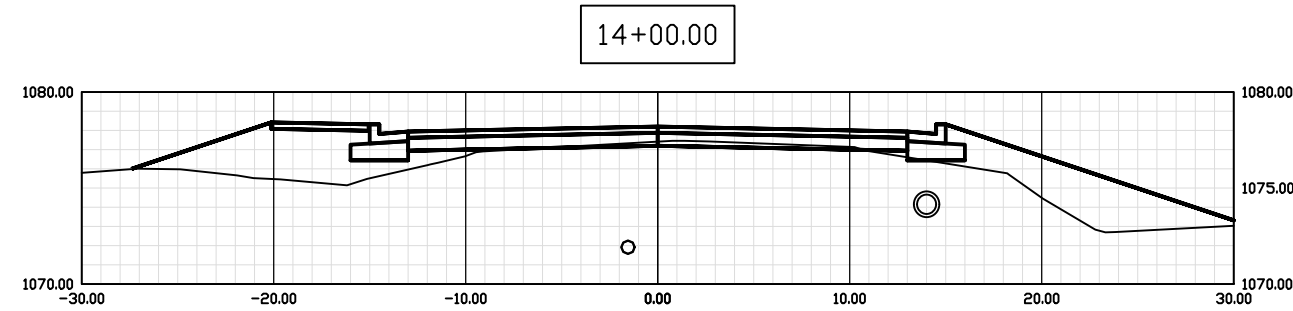
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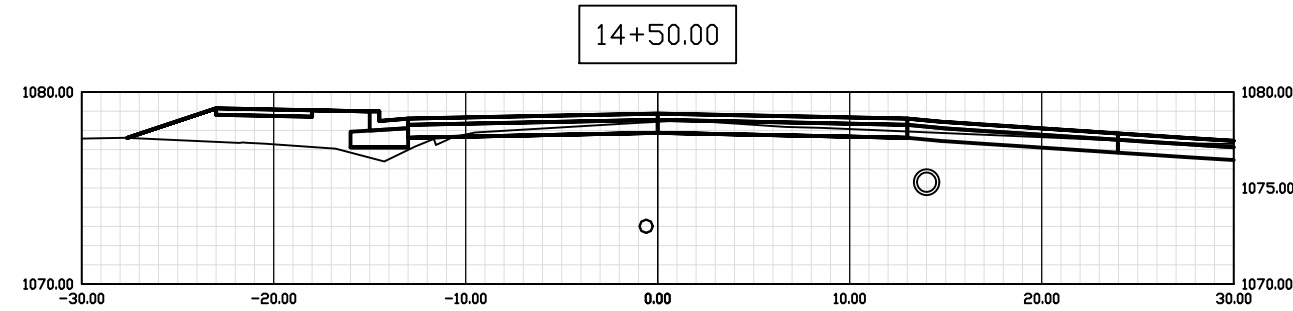
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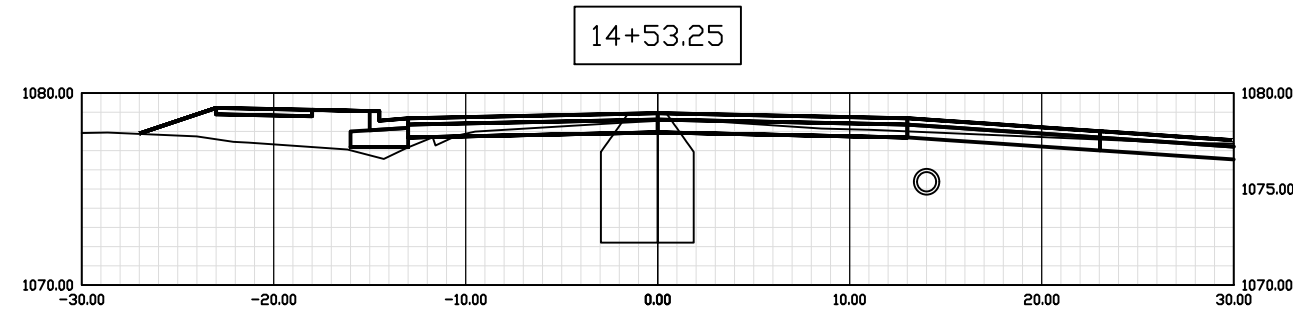
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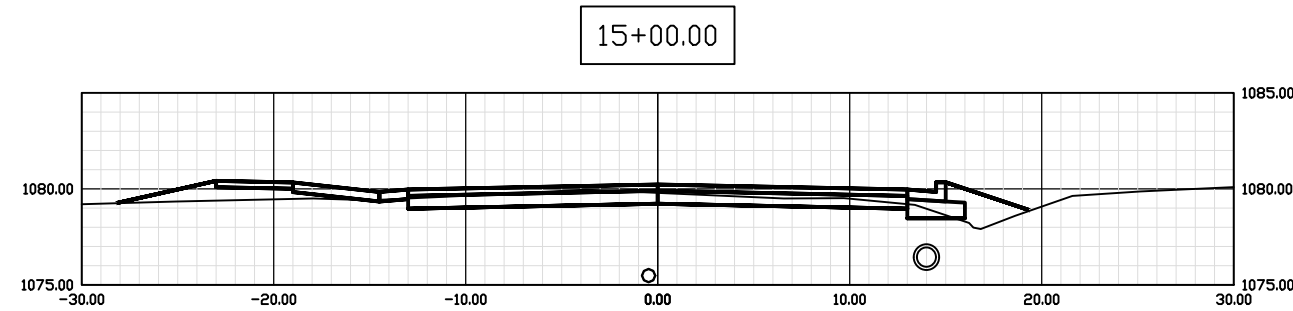
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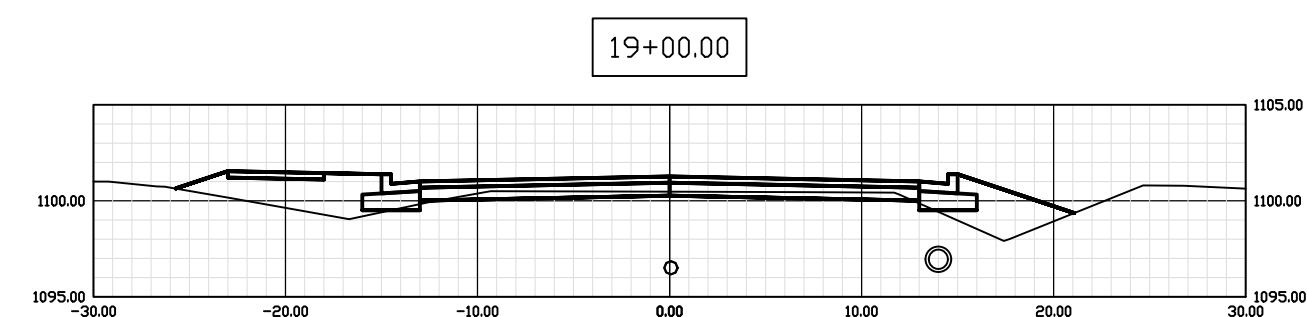
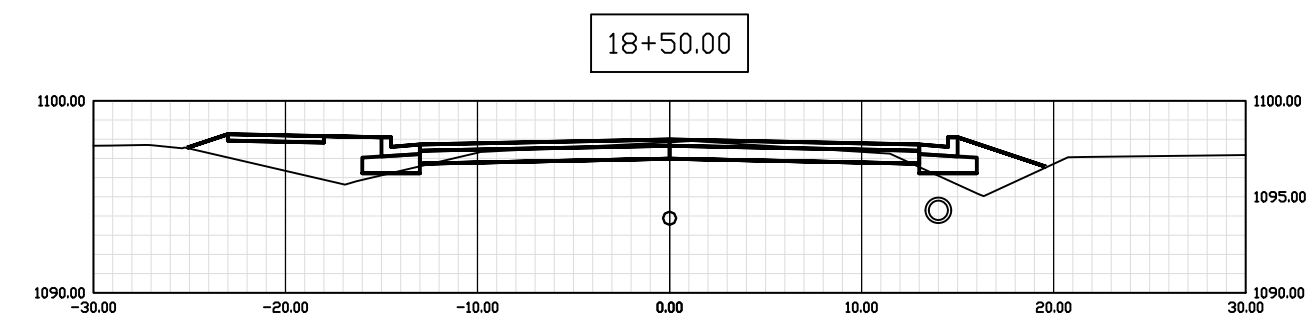
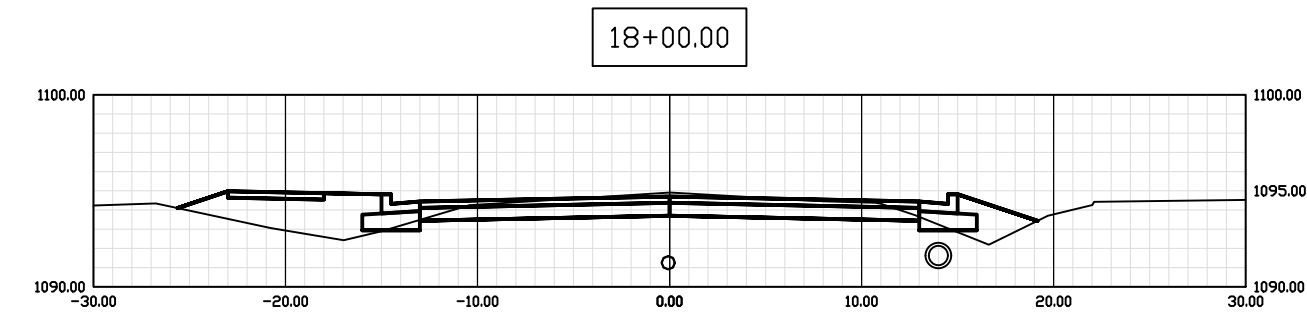
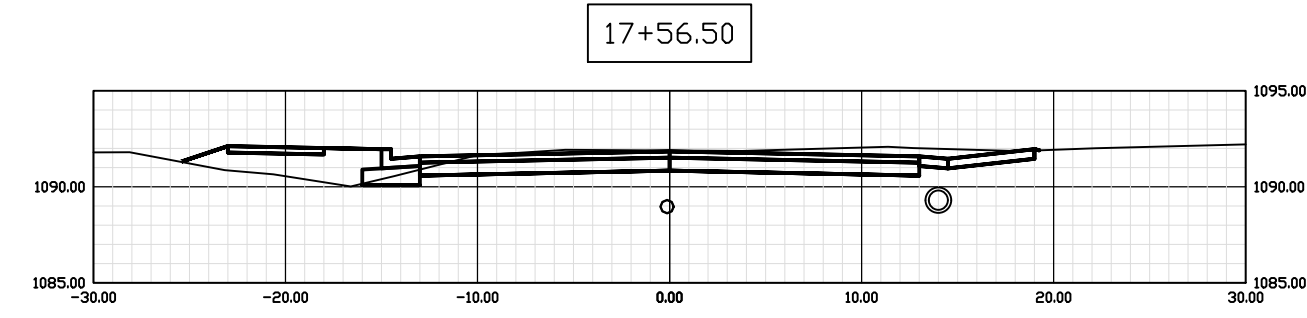
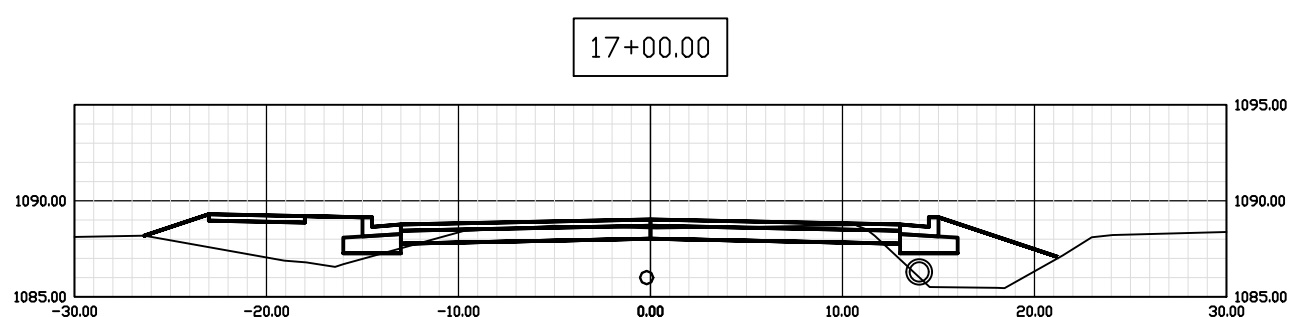
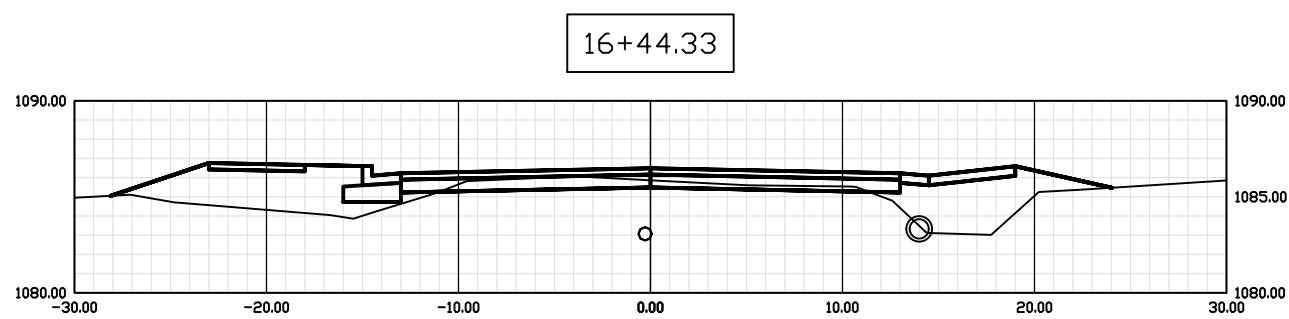
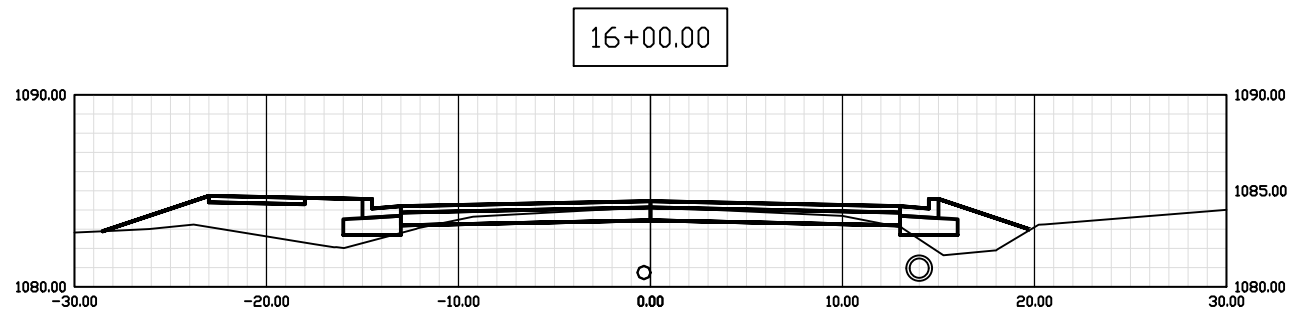
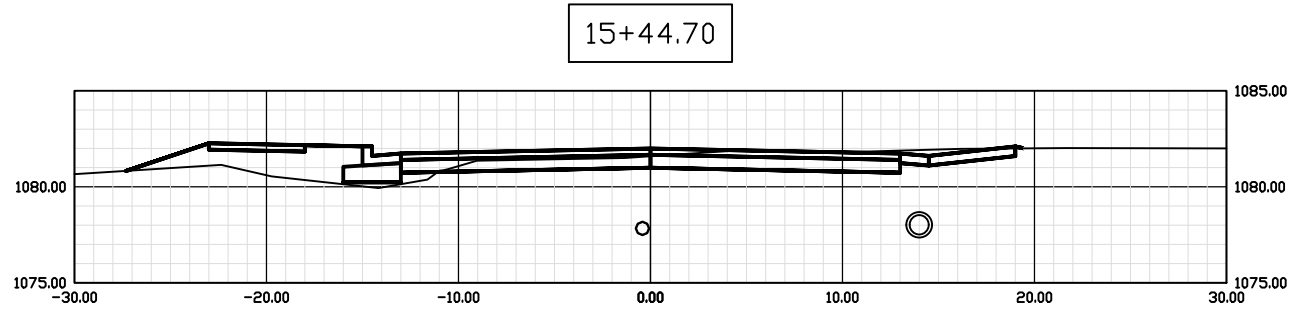
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 Cross Sections - Sta 12+05.81 - Sta 14+53.25



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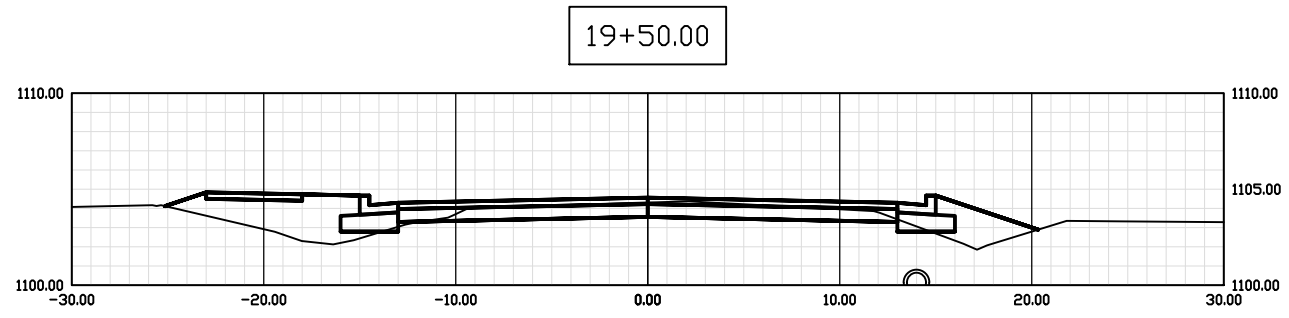
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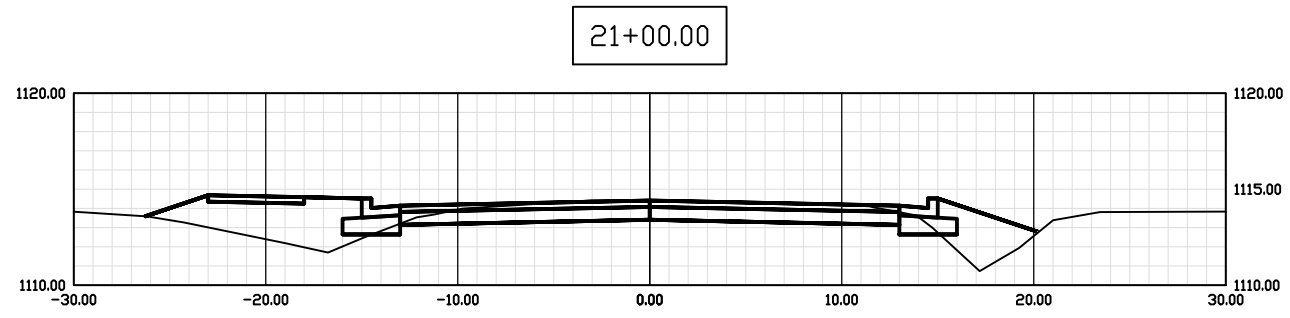
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 City of Rolla Public Works Department
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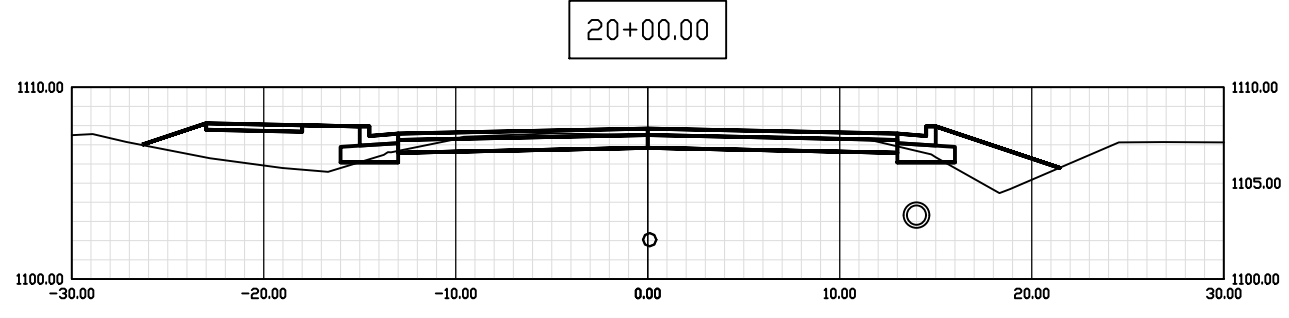
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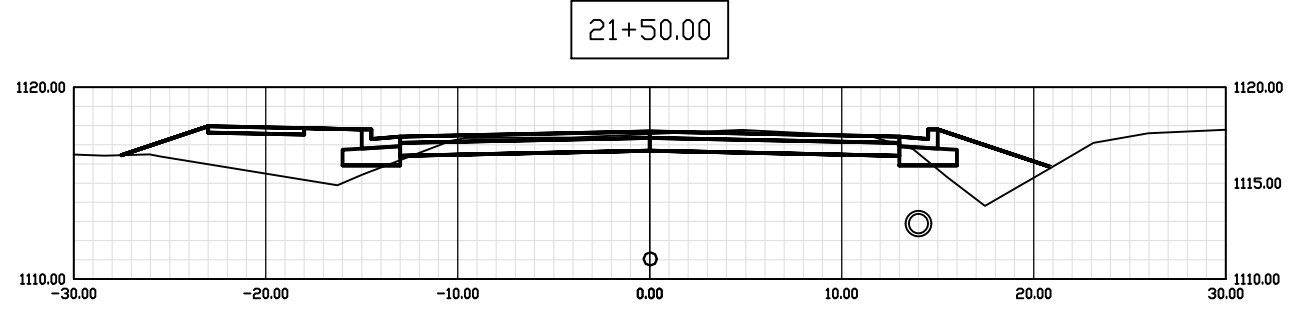
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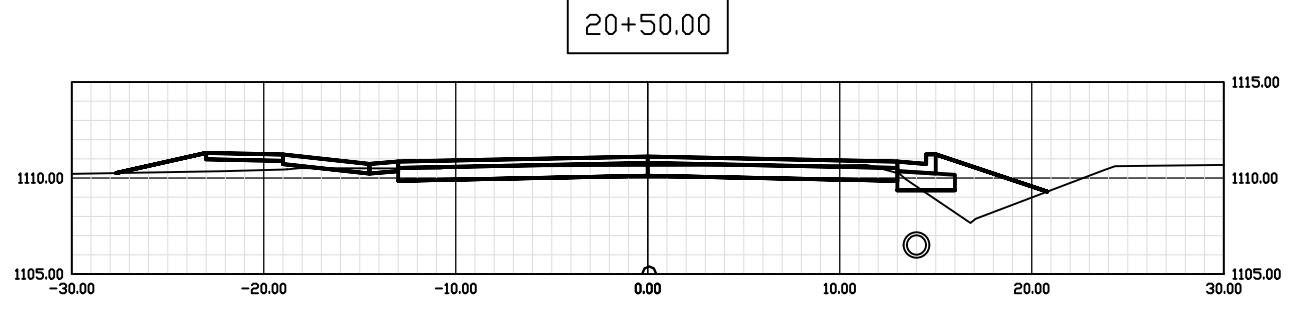
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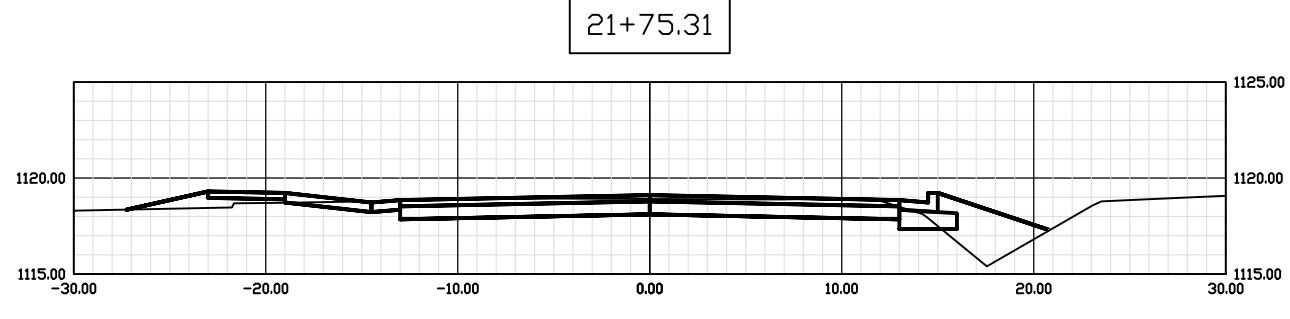
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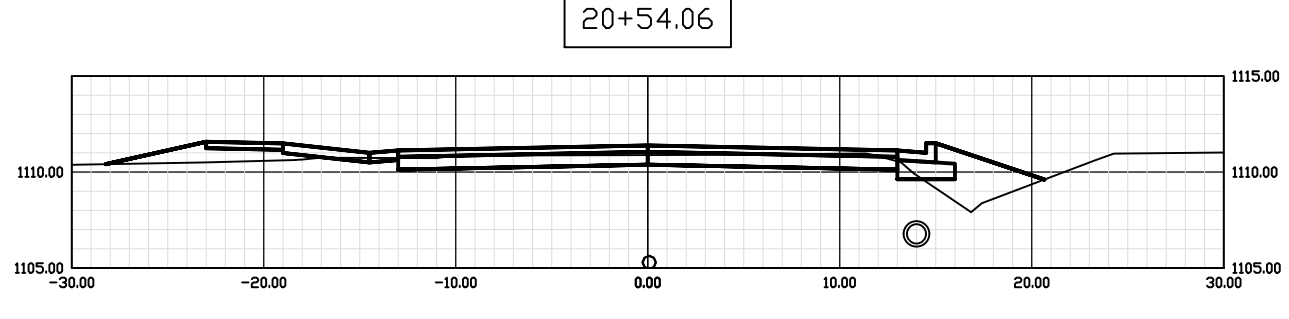
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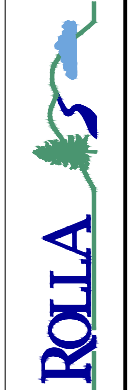


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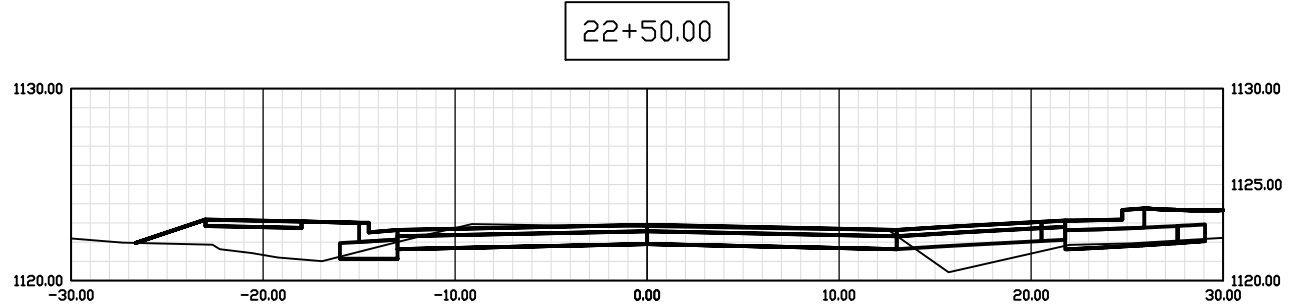
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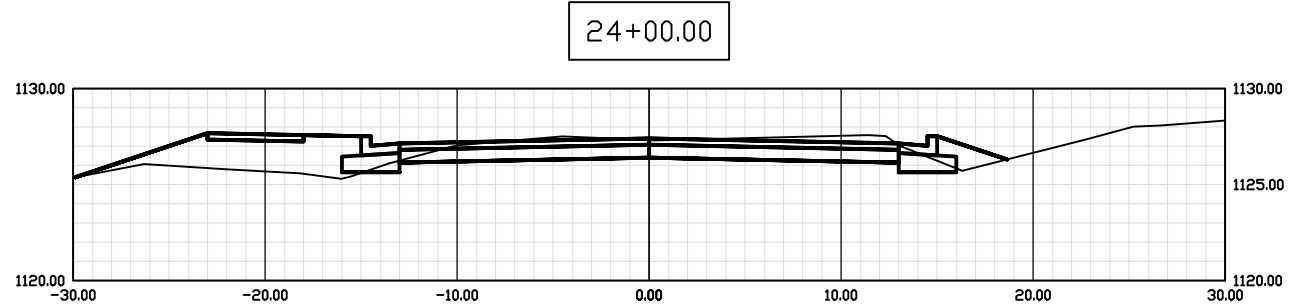
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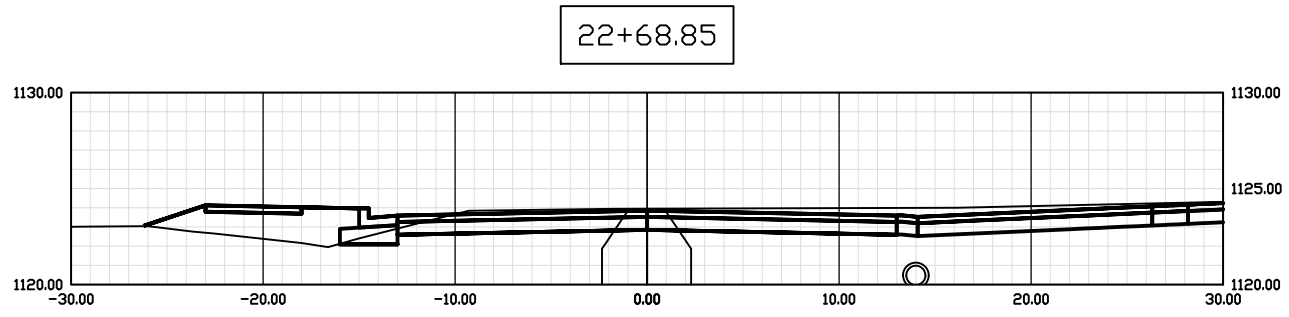
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 City of Rolla Public Works Department
 Cross Sections - Sta 17+50 - Sta 20+50



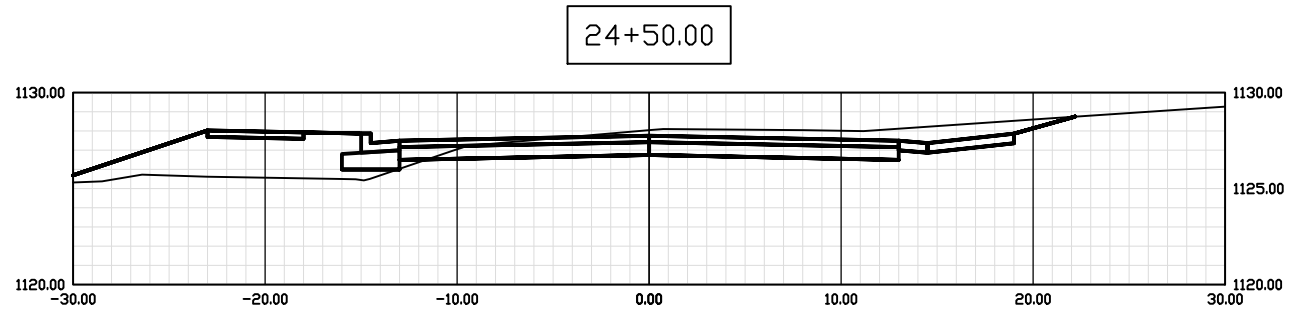
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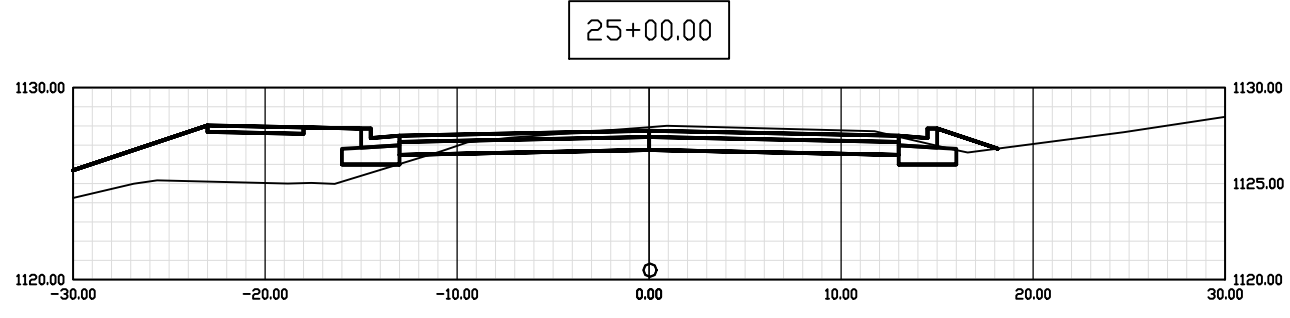
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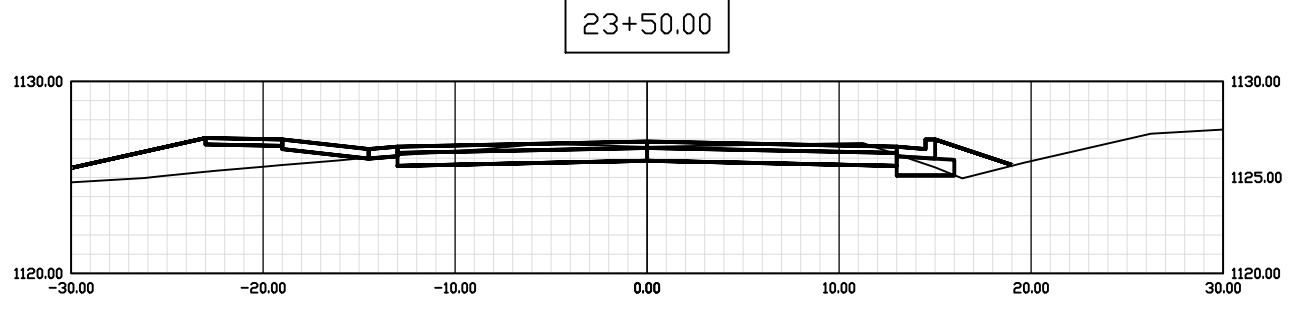
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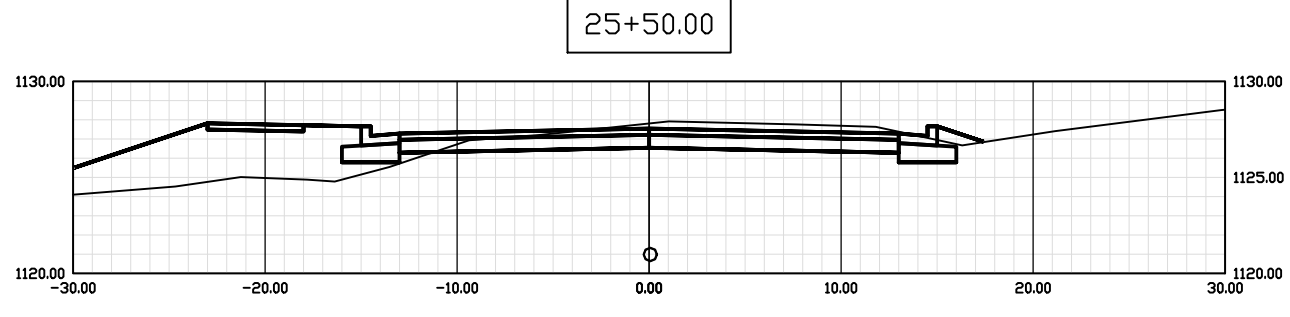
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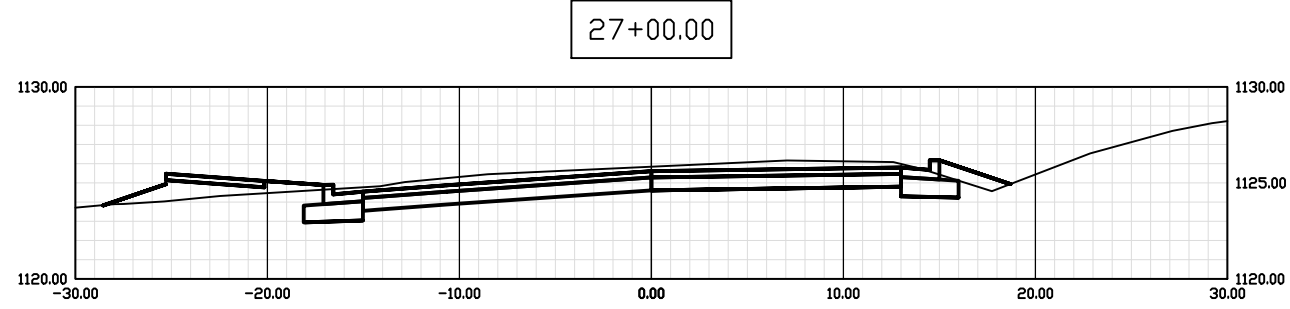
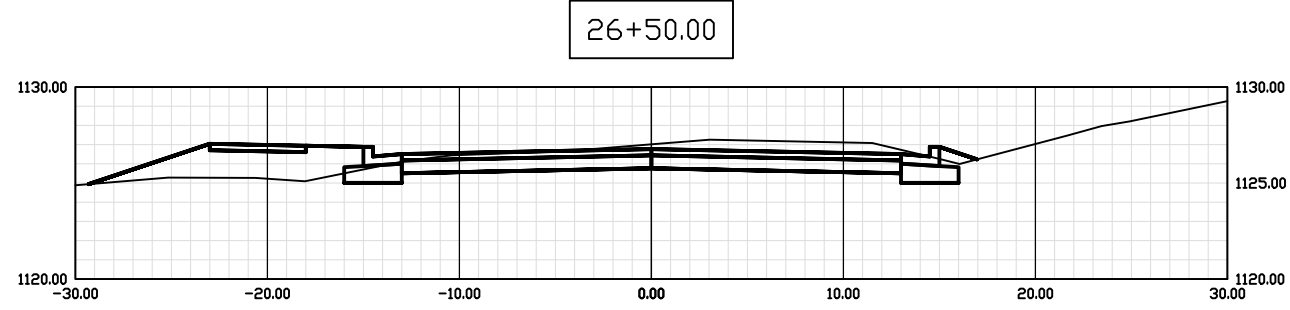
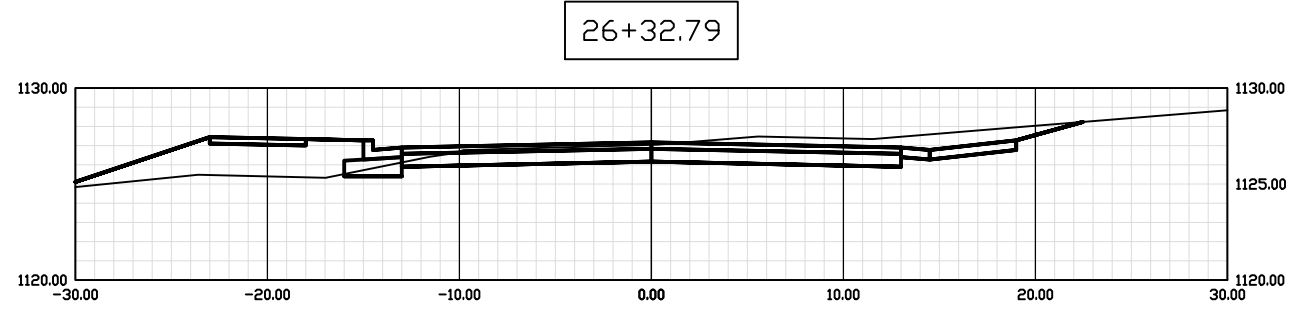
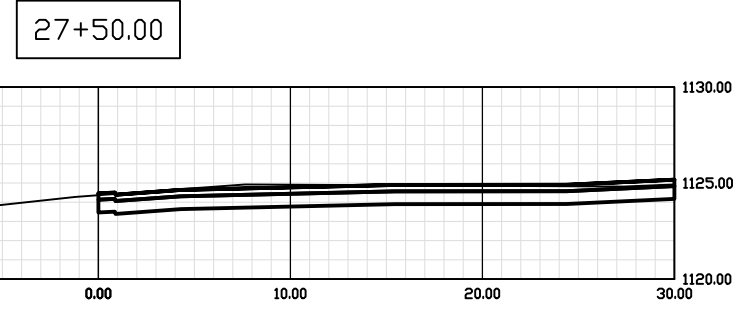
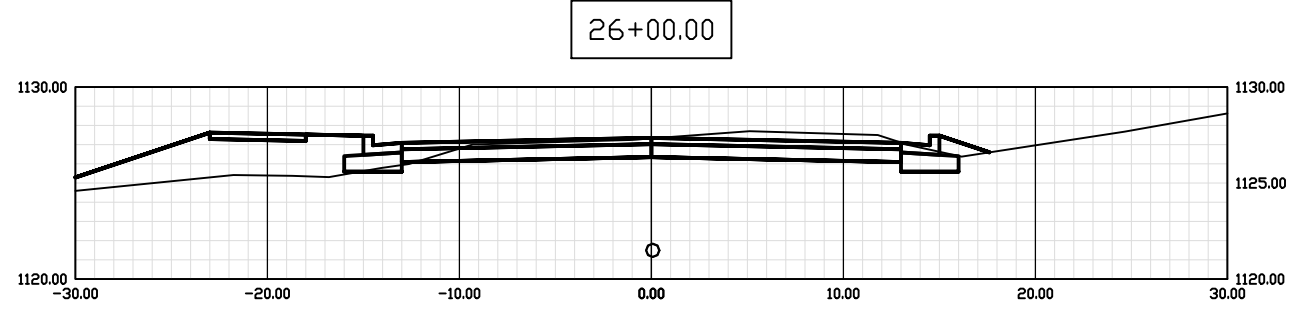
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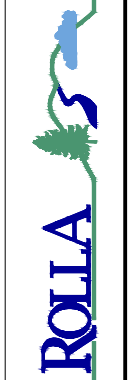
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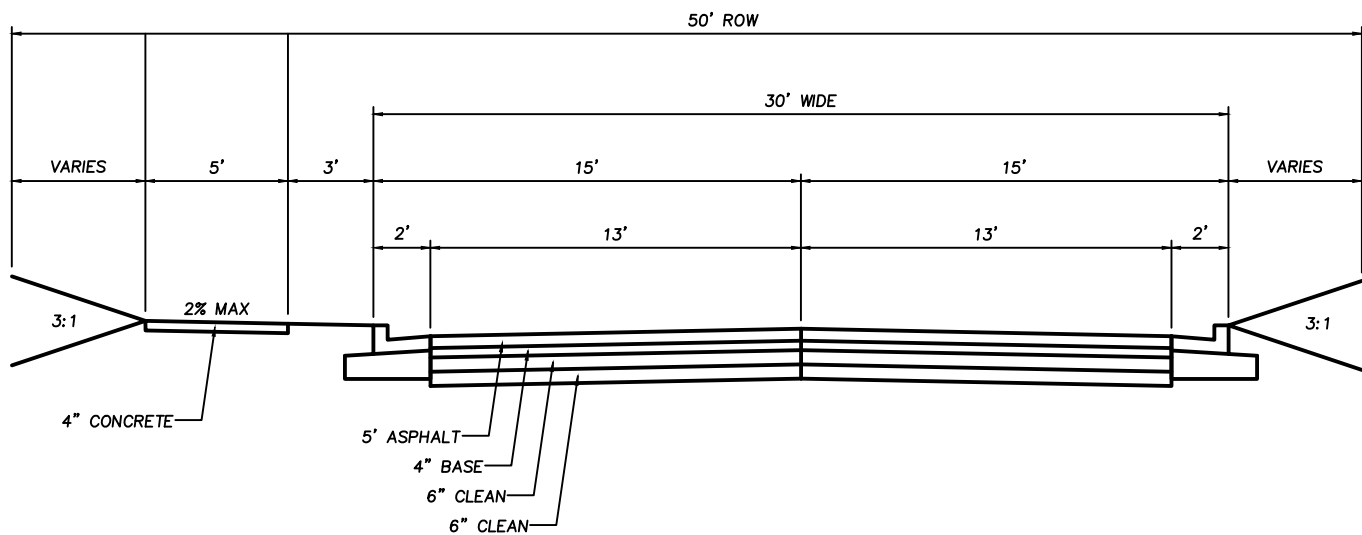
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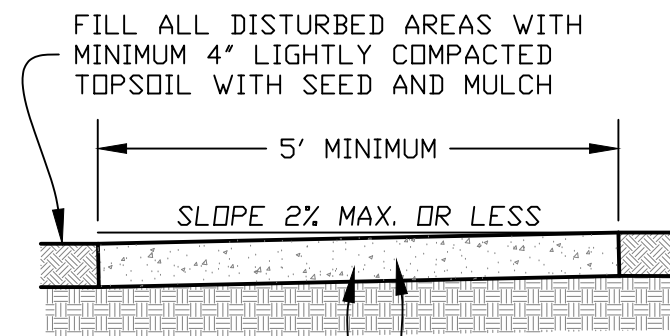
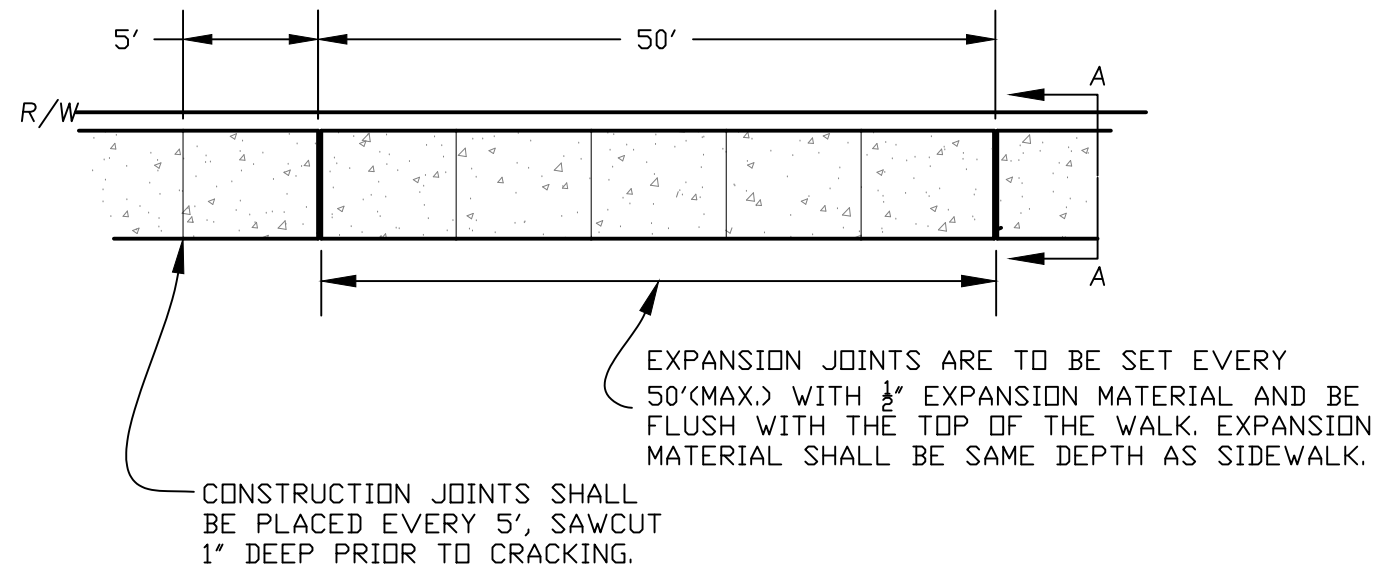
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1 **DETAIL 1**
27 TYPICAL SECTION AT ROADWAY IMPROVEMENT
(not to scale)



SIDEWALK CROSS SLOPE SHALL BE 2.00% MAX. OR LESS TOWARD ROADWAY UNLESS OTHER APPROVED BY DEPT OF PUBLIC WORKS. SLOPE MUST ALLOW FOR APPROPRIATE DRAINAGE.

SIDEWALK SHALL BE 4" THICK

SECTION A-A

NOTES:

- 6 BAG CONCRETE MIX (4,000 PSI) SHALL BE USED ON ALL SIDEWALK.
- COLD WEATHER CONCRETE PROCEDURE MUST BE APPROVED BY CITY ENGINEER.
- ALL FILL UNDER SIDEWALK SHALL BE TO 95% COMPACTION NONORGANIC MATERIAL APPROVED BY DEPARTMENT OF PUBLIC WORKS.
- WHEN CROSSING THE WIDTH OF A DRIVEWAY, SIDEWALK SHALL BE 6" THICK CONCRETE WITH 6" OF 1" CLEAN ROCK UNDERNEATH.
- CONCRETE TO HAVE LIGHT BRUSH FINISH AND 1/4" R EDGE ON EXPOSED CORNERS.

2 **STANDARD 204**
27 CONCRETE SIDEWALK STANDARD
(not to scale)

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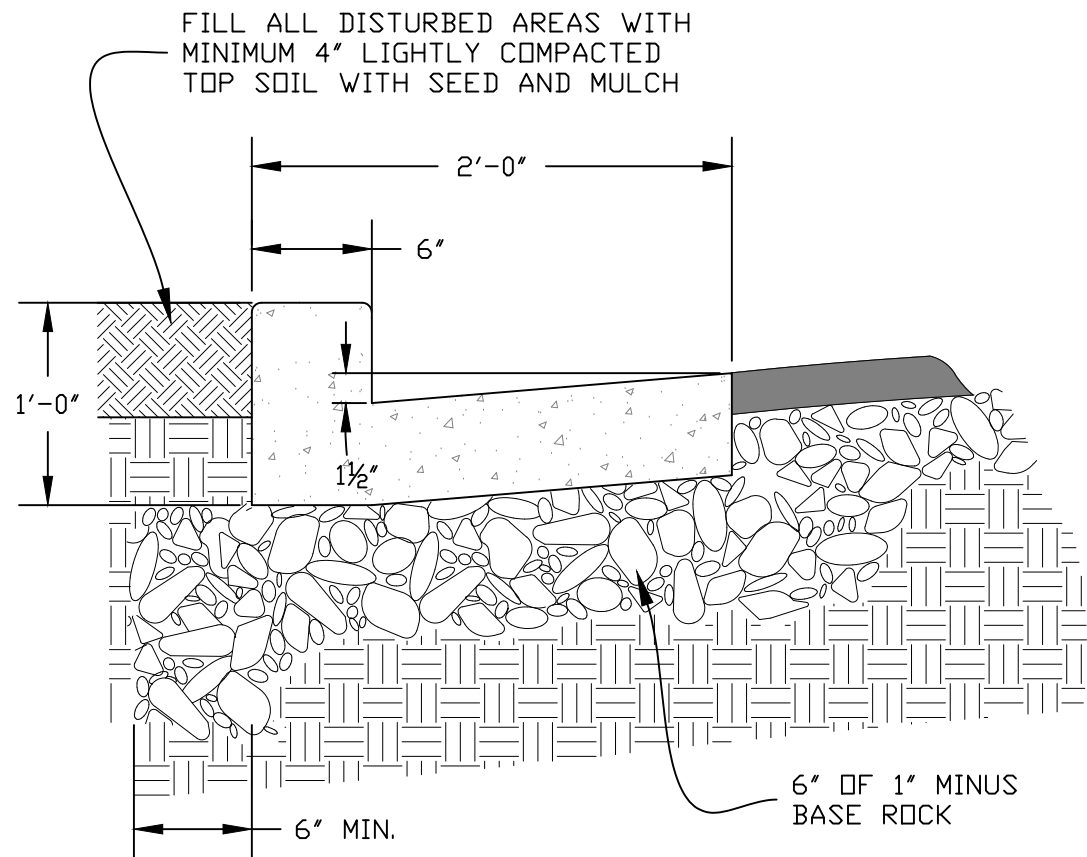
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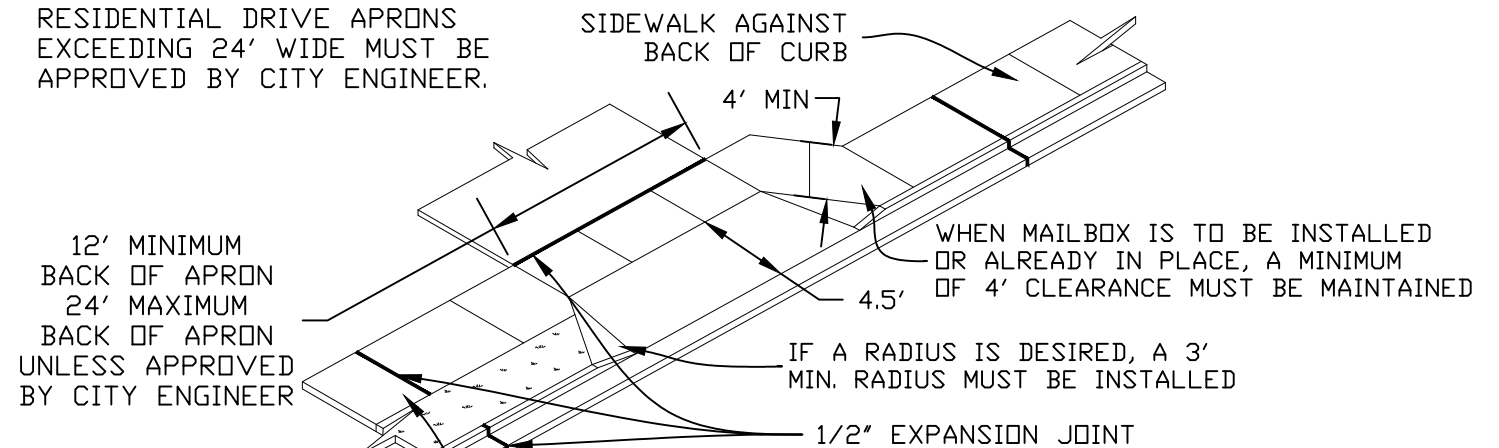
Standard Details

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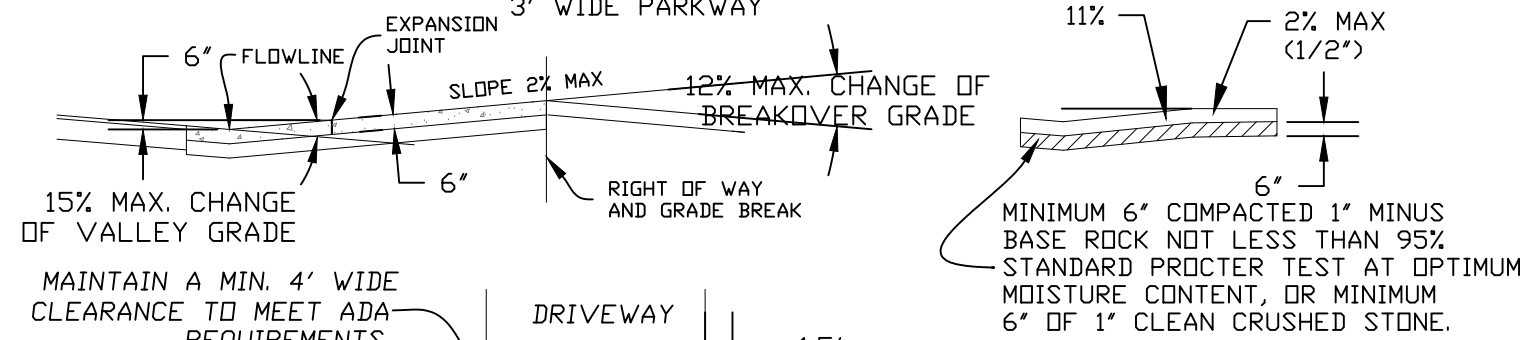


CONSTRUCTION JOINT 1" DEEP AND GROOVED OR SAWCUT AT END OF TAPER PRIOR TO CRACKING. FOR DRIVE APRONS EXCEEDING 12' WIDE, CONSTRUCTION JOINTS SHALL BE EVENLY SPACED ACROSS APRON AT INCREMENTS NO GREATER THAN 12'6". ADDITIONAL EXPANSION JOINTS SHALL BE USED IF APRON IS POURED IN SEPARATE POURS. FOR DRIVE APRONS EXCEEDING 25' WIDE, EXPANSION JOINTS SHALL BE EVENLY SPACED ACROSS APRON AT INCREMENTS NO GREATER THAN 25'.

RESIDENTIAL DRIVE APRONS EXCEEDING 24' WIDE MUST BE APPROVED BY CITY ENGINEER.

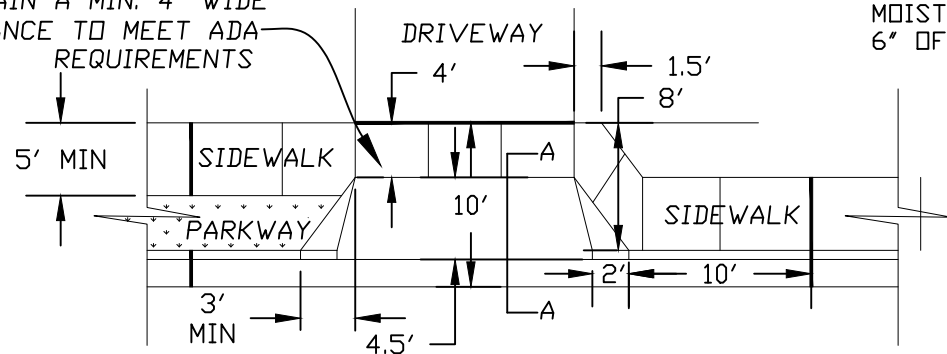


12' MINIMUM BACK OF APRON
24' MAXIMUM BACK OF APRON
UNLESS APPROVED BY CITY ENGINEER



15% MAX. CHANGE OF VALLEY GRADE

MAINTAIN A MIN. 4' WIDE CLEARANCE TO MEET ADA REQUIREMENTS



NOTE:

WHEN INSTALLING A NEW CONCRETE DRIVE AT EXISTING CONCRETE CURB AND GUTTER, THE ENTIRE CURB AND GUTTER SECTION IN THE AREA OF THE NEW DRIVE MUST BE REMOVED BY EITHER SAWCUTTING OR REMOVING TO AN EXISTING JOINT.

CONCRETE SHALL BE 6 BAG MIX (4,000 PSI) WITH SLUMP TEST LIMIT OF NOT LESS THAN 2 INCHES NOR MORE THAN 4 INCHES.

COLD WEATHER CONCRETE PROCEDURE MUST BE APPROVED BY CITY ENGINEER.

AN EXCAVATION PERMIT IS REQUIRED TO DIG IN PUBLIC RIGHT OF WAY. PERMIT SHALL BE OBTAINED FROM THE CITY OF ROLLA COMMUNITY DEVELOPMENT DEPARTMENT AT (573) 364-5333. AN INSPECTION IS REQUIRED BEFORE POURING ANY CONCRETE IN PUBLIC RIGHT OF WAY. CONTACT THE CITY OF ROLLA PUBLIC WORKS DEPARTMENT AT (573) 364-8659 FOR INSPECTION.

NOTES:

CONCRETE SHALL BE 6 BAG MIX (4,000 PSI) WITH SLUMP TEST LIMITS OF NOT LESS THAN 1 INCH NOR MORE THAN 4 INCHES.

COLD WEATHER CONCRETE PROCEDURE MUST BE APPROVED BY CITY ENGINEER.

WHERE CURB IS PLACED WITHOUT STREET IMPROVEMENT, A MIN. OF 6 INCHES BASEROCK IS REQUIRED AT NOT LESS THAN 95% STANDARD PROCTER TEST AT OPTIMUM MOISTURE CONTENT.

1/2" PREMOLDED EXPANSION JOINT PLACED EVERY 100 FT. (MIN.) THROUGH ENTIRE CROSS SECTION OF CURB.

CONSTRUCTION JOINTS SHALL BE PLACED EVERY 10 FT., SAWCUT 1" DEEP PRIOR TO CRACKING.

CONCRETE TO HAVE LIGHT BRUSH FINISH AND 1/4"R EDGE ON EXPOSED CORNERS.

1 STANDARD 202
28 CONCRETE CURB AND GUTTER
(not to scale)

2 STANDARD 212
28 ADA COMPLIANT DISHPAN DRIVEWAY STANDARD
(not to scale)

Date	Description	Rev.
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