

C.S.A.H. 52 TURN LANE & MEDIAN IMPROVEMENTS BLAINE, MINNESOTA

PERMIT SET
MAY 27st, 2025

CSAH 52 &
106TH LN NE
INTERSECTION

BLAINE, MN

EB BLAINE
DEVELOPMENT

3020 FRANCE AVENUE SOUTH
MINNEAPOLIS, MN 55416

LOUCKS
PLANNING
CIVIL ENGINEERING
LAND SURVEYING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL

12755 Highway 55, Suite R100
Plymouth 55441
763.424.5505
www.loucksinc.com

CADD QUALIFICATION

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SUBMITTAL/REVISIONS

COUNTY SUBMITTAL	02/26/25
COUNTY RESPONSE	03/28/25
PERMIT SET	05/27/25

PROFESSIONAL SIGNATURE

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

License No. 49933
Date 05-27-25

QUALITY CONTROL

Loucks Project No. 23026C
Project Lead PJD
Drawn By TRG
Checked By PJD
Review Date 05-27-25

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COVER SHEET

C0-1

LEGEND

EXISTING		PROPOSED
	CATCH BASIN	
	FLARED END SECTION	
	SANITARY MANHOLE	
	HYDRANT	
	GATE VALVE	
	POST INDICATOR VALVE	
	WATER MANHOLE / WELL	
	LIGHT POLE	
	POWER POLE	
	ELECTRIC METER	
	GAS METER	
	TELEPHONE PEDESTAL	
	SIGN	
	BENCHMARK	
	SOIL BORING	
	PARKING STALL COUNT	
	ACCESSIBLE PARKING STALL	
	STORM SEWER	
	DRAIN TILE	
	SANITARY SEWER	
	FORCE MAIN	
	WATER MAIN	
	SANITARY SEWER SERVICE	
	WATER SERVICE	
	UNDERGROUND ELECTRIC	
	UNDERGROUND FIBER OPTIC	
	UNDERGROUND GAS	
	UNDERGROUND TELEPHONE	
	OVERHEAD UTILITY	
	FENCE	
	CHAIN LINK FENCE	
	CONCRETE CURB	
	RETAINING WALL	
	CONCRETE	
	NO PARKING	
	BUILDING	
	CONTOUR	
	SPOT ELEVATION	
	DIRECTION OF FLOW	
	TREE LINE	
	PARKING SETBACK LINE	
	BUILDING SETBACK LINE	

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X	05/27/25	C8-1	DETAILS
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X	05/27/25	L1-1	LANDSCAPE PLAN

APPROVED FOR ANOKA COUNTY TURN LANE ITEMS ONLY

DATE: _____
ANOKA CO. ENGINEER



CALL BEFORE YOU DIG!

Gopher State One Call

TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

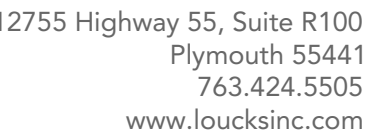
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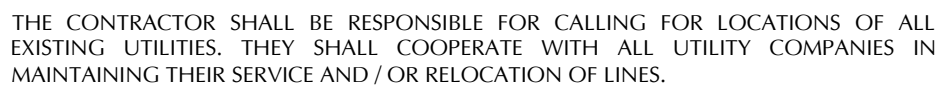
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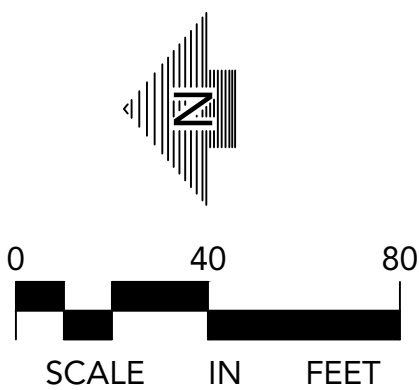
Locks Project No. 23026C
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

C1-1



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- FOUND 1/2 INCH OPEN IRON MONUMENT UNLESS SHOWN OTHERWISE
- SET 1/2 INCH X 14 INCH IRON MONUMENT, MARKED "LS 48988"
- ▨ CATCH BASIN
- ◎ STORM MANHOLE
- SANITARY MANHOLE
- ⊕ HYDRANT
- ⌘ GATE VALVE
- Ⓢ ELECTRIC TRANSFORMER
- Ⓢ ELECTRIC METER
- Ⓢ GAS METER
- ← GUY WIRE
- Ⓢ HAND HOLE
- Ⓢ LIGHT POLE
- Ⓢ POWER POLE
- Ⓢ ROOF DRAIN
- Ⓢ TELEPHONE PEDESTAL
- Ⓢ SIGN
- ② PARKING STALL COUNT
- ♿ DISABLED PARKING STALL
- 1 SCHEDULE B II ITEM

	REMOVE BITUMINOUS PAVEMENT (ROADWAY)
	REMOVE BITUMINOUS PAVEMENT (TRAIL)
	REMOVE CONCRETE

1. CONTRACTOR TO COORDINATE ACTIVITIES WITH UTILITY COMPANIES & OWNER.
2. ALL REMOVALS SHALL BE PERFORMED PER THE CONTRACT SPECIFICATIONS. EROSION CONTROL MEASURES SHALL BE IMMEDIATELY ESTABLISHED UPON REMOVAL.
3. CONTRACTOR SHALL PROTECT SURFACE AND SUBSURFACE FEATURES NOT NOTED FOR REMOVAL. CONTRACTOR TO NOTIFY ENGINEER WITH ANY CONFLICTS OR PLAN DISCREPANCIES.
4. CONTRACTOR TO SCHEDULE PRE-CONSTRUCTION MEETING(S) WITH UTILITY OWNER(S) TO DISCUSS DISCONNECTIONS AND/OR RELOCATIONS.
5. BITUMINOUS PAVEMENT REMOVALS ARE TO BE MADE TO A VERTICAL SAW CUT OR TO A NEAT MILLED EDGE.
6. CONCRETE PAVEMENT, SIDEWALK, CURB & GUTTER AND OTHER POURED CONCRETE ITEMS ARE TO BE REMOVED TO AN EXISTING EXPANSION OR CONTRACTION JOINT. SAW CUT AS NECESSARY FOR A NEAT EDGE OF REMOVAL.
7. ANY DAMAGE TO ITEMS NOT NOTED TO BE REMOVED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REPAIRED OR REPLACED TO ORIGINAL CONDITION WITH NO ADDITIONAL COMPENSATION.
8. CONTRACTOR SHALL COORDINATE ALL WORK WITHIN THE PUBLIC RIGHT OF WAY WITH THE APPLICABLE GOVERNING AGENCIES. ALL WORK SHALL BE PERFORMED PER THE REQUIREMENTS OF THE APPLICABLE GOVERNING AGENCIES.
9. CONTRACTOR TO COORDINATE ALL WORK WITHIN THE ADJACENT PROPERTIES WITH THE OWNER AND ADJACENT PROPERTY OWNER.
10. REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION INCLUDING BUT NOT LIMITED TO GROUNDWATER CONDITIONS AND RECOMMENDATIONS FOR EXCAVATION DEWATERING.
11. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER FOR ANY REPAIRS TO THE IRRIGATION SYSTEM THAT IS AFFECTED DURING CONSTRUCTION.



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.....
PJ Disch - PE

License No. 4993
Date 05-27-2

Loucks Project No.	23026
Project Lead	PJ
Drawn By	TR
Checked By	PJ
Review Date	05-27-2

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C8-1,2	CIVIL DETAIL
L1-1	LANDSCAPE PLAN

C2-1



- MINNESOTA STATE STATUTE REQUIRES NOTIFICATION PER "GOPHER STATE ONE CALL" PRIOR TO COMMENCING ANY GRADING, EXCAVATION OR UNDERGROUND WORK.
2. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM THE PLANS.
3. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASE OF THIS PROJECT. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ANY DAMAGES TO ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASE OF THIS PROJECT.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, WARNING SIGNS, DIRECTIONAL SIGNS, FLAGMEN AND LIGHTS TO CONTROL THE MOVEMENT OF TRAFFIC WHERE NECESSARY. PLACEMENT OF THESE DEVICES SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT. TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE APPROPRIATE MINNESOTA DEPARTMENT OF TRANSPORTATION STANDARDS.
5. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
6. THE DUTY OF THE ENGINEER OR THE DEVELOPER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTORS PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTORS SAFETY MEASURES IN, OR NEAR THE CONSTRUCTION SITE.
7. BEFORE BEGINNING CONSTRUCTION THE CONTRACTOR SHALL INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH NPDES PERMIT REQUIREMENTS, BEST MANAGEMENT PRACTICES, STATE AND LOCAL REQUIREMENTS AND THE DETAILS SHOWN ON THE DETAIL SHEET(S) OF THE PROJECT PLANS.
8. ALL CONSTRUCTION PERMITS, APPLICATIONS AND FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
9. ALL ENTRANCES AND CONNECTIONS TO CITY STREETS SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF THE STATE AND LOCAL JURISDICTIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND NOTIFICATIONS AS REQUIRED.
10. ALL STREET REPAIRS AND PATCHING SHALL BE PERFORMED PER THE REQUIREMENTS OF THE CITY. ALL TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR AND SHALL BE ESTABLISHED PER THE REQUIREMENTS OF THE MINNESOTA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE CITY. THIS SHALL INCLUDE ALL SIGNAGE, BARRICADES, FLASHERS AND FLAGGERS AS NEEDED. ALL PUBLIC STREETS SHALL BE OPEN TO TRAFFIC AT ALL TIMES.
11. ADJUST ALL EXISTING STRUCTURES, BOTH PUBLIC AND PRIVATE TO THE PROPOSED GRADES WHERE DISTURBED AND COMPLY WITH ALL REQUIREMENTS OF THE UTILITY OWNERS. STRUCTURES BEING RESET TO PAVED AREAS MUST MEET OWNERS REQUIREMENTS FOR TRAFFIC LOADING.
12. EXISTING TOPOGRAPHY PROVIDED BY LOUCKS ASSOCIATES, TOPOGRAPHIC SURVEY.

13. SUBGRADE PREPARATION SHALL BE PERFORMED IN ACCORDANCE WITH MNDOT 2112. THE TOP 3 FEET SHALL BE COMPACTED TO 100% OF THE STANDARD PROCTOR DENSITY.
14. AGGREGATE BASE SHALL BE MNDOT 2211 CLASS 5. COMPACTION SHALL BE BY THE QUALITY COMPACTION METHOD.
15. PLANT MIXED BITUMINOUS PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH MNDOT 2610 WITH MIX DESIGN AS SHOWN ON THE DETAILS. COMPACTION SHALL BE BY THE ORDINARY COMPACTION METHOD.
16. CONCRETE CURB & GUTTER SHALL BE PERFORMED IN ACCORDANCE WITH MNDOT 2531. CURING SHALL BE BY THE MEMBRANE CURING METHOD. EXPANSION JOINTS EVERY 200 FEET AT ALL FIXED OBJECTS. CONTRACTIONS JOINTS EVERY 10 FEET.
17. CONCRETE WALK SHALL BE PERFORMED IN ACCORDANCE WITH MNDOT 2521. CURING SHALL BE BY THE MEMBRANE CURING METHOD. EXPANSION JOINTS AT ALL FIVES OBJECTS. CONTRACTION JINTS EVERY 5 FEET.
18. WORKING HOURS ARE 7 AM - 9 PM (MONDAY - FRIDAY) AND 7 AM - 9 PM (SATURDAY.) A 48 HOUR NOTICE IS REQUIRED FOR SATURDAY WORK.
19. THE CONTRACTOR MUST HAVE A CITY LICENSE.
20. A CITY RIGHT-OF-WAY PERMIT IS REQUIRED TO WORKING WITHIN CITY ROW.
21. THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

1. ALL PAVING, CONCRETE CURB, GUTTER AND SIDEWALK SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE DETAILS SHOWN PER THE DETAIL SHEET(S) AND STATE/LOCAL JURISDICTION REQUIREMENTS.
2. ALL CURB DIMENSIONS SHOWN ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.

CONCRETE MEDIAN

BITUMINOUS TRAIL

BITUMINOUS PAVEMENT



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CALL BEFORE YOU DIG

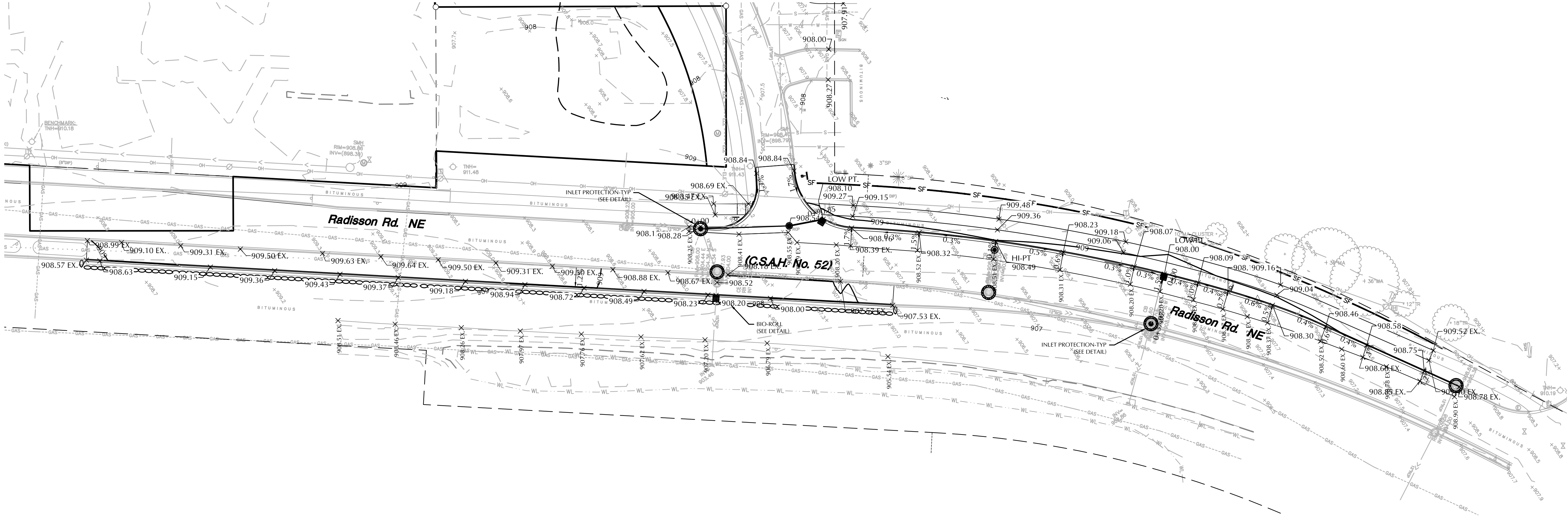
Gopher State One Call

TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166



0 40 80

SCALE IN FEET



LEGEND

EXISTING		PROPOSED
	CATCH BASIN	
	STORM MANHOLE	
	FLARED END SECTION	
	SANITARY MANHOLE	
	HYDRANT	
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	FORCE MAIN	
	WATER MAIN	
	SANITARY SEWER SERVICE	
	WATER SERVICE	
	UNDERGROUND ELECTRIC	
	UNDERGROUND FIBER OPTIC	
	UNDERGROUND GAS	
	UNDERGROUND TELEPHONE	
	OVERHEAD UTILITY	
	FENCE	
	CHAIN LINK FENCE	
	CONCRETE CURB	
	RETAINING WALL	
	CONCRETE	
	NO PARKING	
	BUILDING	
	CONTOUR	
	SPOT ELEVATION	
	DIRECTION OF FLOW	
	TREE LINE	
	PARKING SETBACK LINE	
	BUILDING SETBACK LINE	

GRADING, DRAINAGE & EROSION CONTROL NOTES

- SPOT ELEVATIONS REPRESENT FINISHED SURFACE GRADES, GUTTER/FLOW LINE, FACE OF BUILDING, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- ALL PUBLIC SIDEWALKS SHALL BE CONSTRUCTED WITH A CROSS SLOPE NOT EXCEEDING 2% AND A RUNNING SLOPE NOT EXCEEDING 5%.
- CATCH BASINS AND MANHOLES IN PAVED AREAS SHALL BE SUMPED 0.04 FEET. ALL CATCH BASINS IN GUTTERS SHALL BE SUMPED 0.16 FEET. RIM ELEVATIONS SHOWN ON PLANS DO NOT REFLECT SUMPED ELEVATIONS.
- CITY AND WATERSHED SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO CONSTRUCTION OF STORMWATER BMPS.
- ALL DISTURBED UNPAVED AREAS ARE TO RECEIVE MINIMUM OF 4 INCHES OF TOP SOIL AND SEED/MULCH OR SOD. THESE AREAS SHALL BE WATERED/MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION IS ESTABLISHED. REFER TO THE LANDSCAPE PLANS, DETAILS AND SPECIFICATIONS FOR FINAL SITE STABILIZATION.
- STREETS MUST BE CLEANED AND SWEEPED WHENEVER TRACKING OF SEDIMENTS OCCURS AND BEFORE SITES ARE LEFT IDLE FOR WEEKENDS AND HOLIDAYS. A REGULAR SWEEPING SCHEDULE MUST BE ESTABLISHED.
- DUST MUST BE ADEQUATELY CONTROLLED.
- SEE UTILITY PLAN FOR WATERMAIN, STORM SEWER, AND SANITARY SEWER INFORMATION.
- SEE SITE PLAN FOR CURB AND BITUMINOUS TAPER LOCATIONS.
- THE CONTRACTOR ALONG WITH THE OWNER SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM GOVERNING AUTHORITIES, INCLUDING ANY CITY PERMITS.
- INSTALL EROSION CONTROL MEASURES BEFORE BEGINNING SITE GRADING ACTIVITIES. SOME EROSION CONTROLS SUCH AS BALE CHECKS AND TEMPORARY SILT PONDS MAY BE INSTALLED AS GRADING OCCURS IN SPECIFIC AREAS. MAINTAIN EROSION CONTROLS THROUGHOUT THE GRADING PROCESS AND REMOVE WHEN TURF HAS BEEN ESTABLISHED.
- PER NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM/STATE DISPOSAL SYSTEM (NPDES/SDS) REQUIREMENTS, THE WASHOUT AND CLEANOUT OF STUCCO, PAINT, CONCRETE, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS SHALL BE PROPERLY CONTAINED AND DISPOSED OF. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND USING APPROVED METHODS OF CONTAINMENT SUCH AS PRE-FABRICATED WASHOUT CONTAINERS, CONCRETE WASHOUT TOTE, READY MIX TRUCKS WITH SELF-CONTAINED CHUTE CLEANOUT, ETC.
- CONTRACTOR SHALL PROVIDE AS-BUILT INFORMATION OF GRADING ACTIVITIES AS NEEDED PER APPLICABLE PERMIT REQUIREMENTS AND/OR DEVELOPMENT AGREEMENTS.

EROSION CONTROL LEGEND

	SILT FENCE
	BIO-ROLLS
	INLET PROTECTION

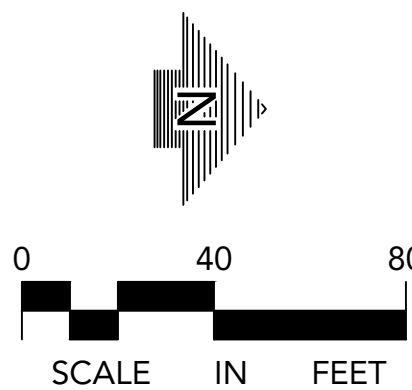


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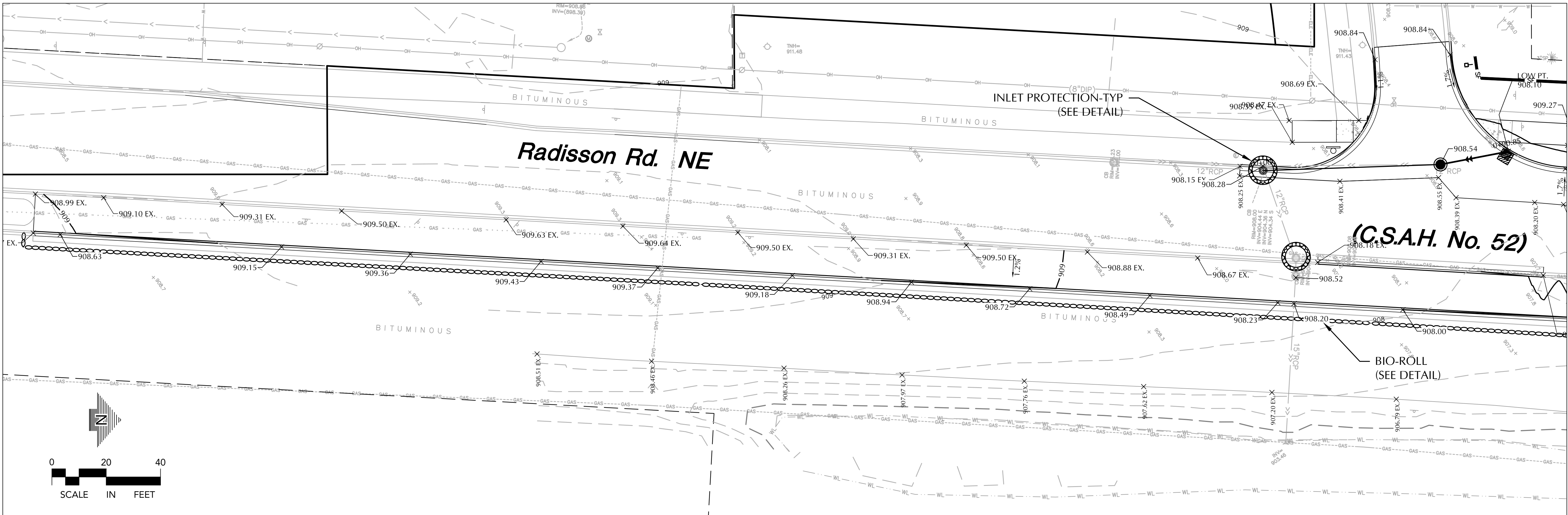
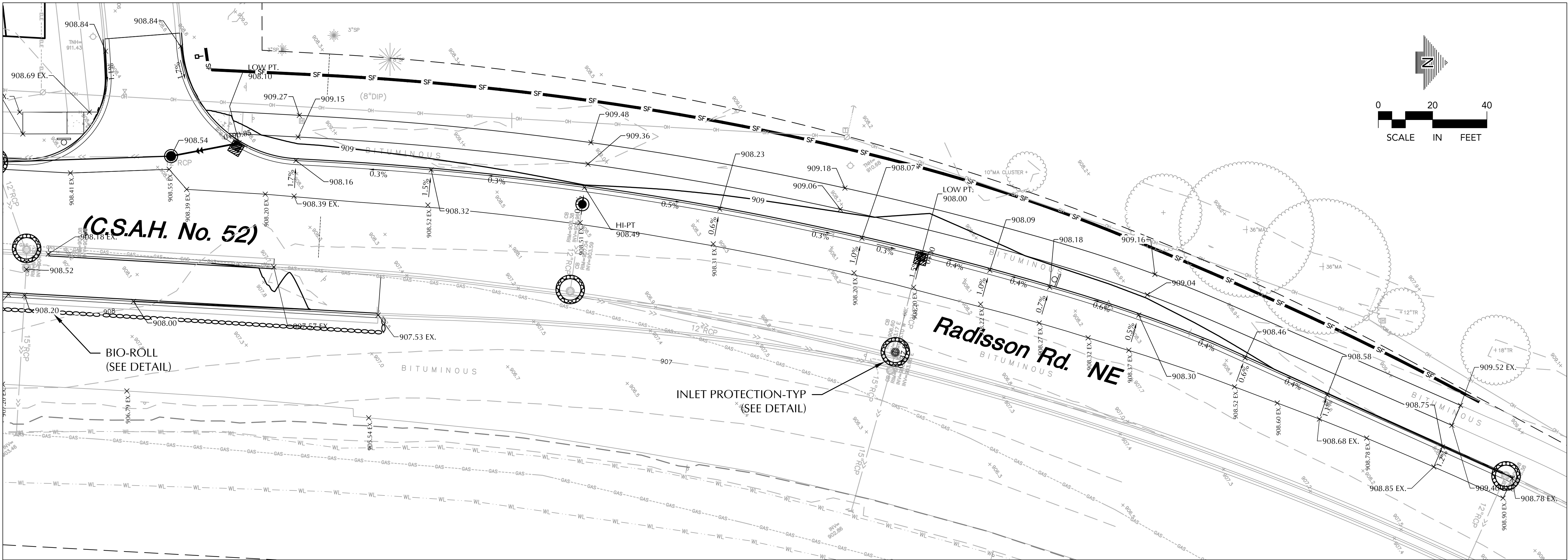
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GRADING & E.C. PLAN

C3-1

Plotted: 05/27/2025 11:58 AM W:\2023\2026\CADD DATA\CIVIL\dwg Sheet Files\CSAH 52 TURN LANES\C3-2 GRADING DETAIL



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License No.	49933
Date	05-27-25

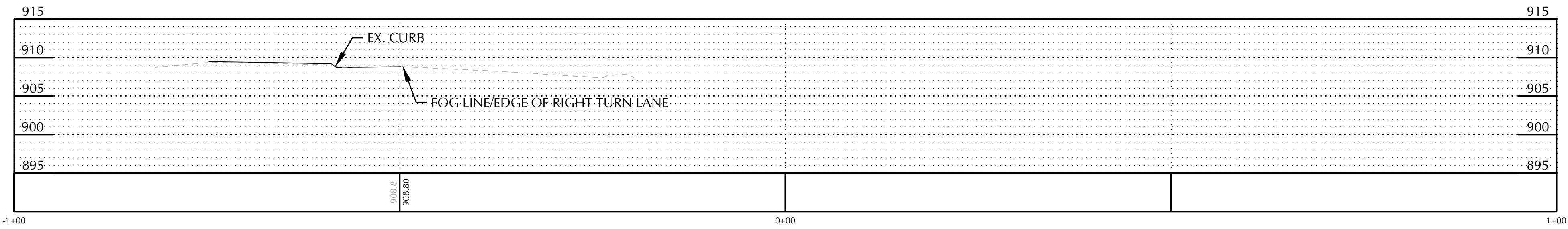
QUALITY CONTROL

Loucks Project No.	23026C
Project Lead	PJD
Drawn By	TRG
Checked By	PJD
Review Date	05-27-25

SHEET INDEX

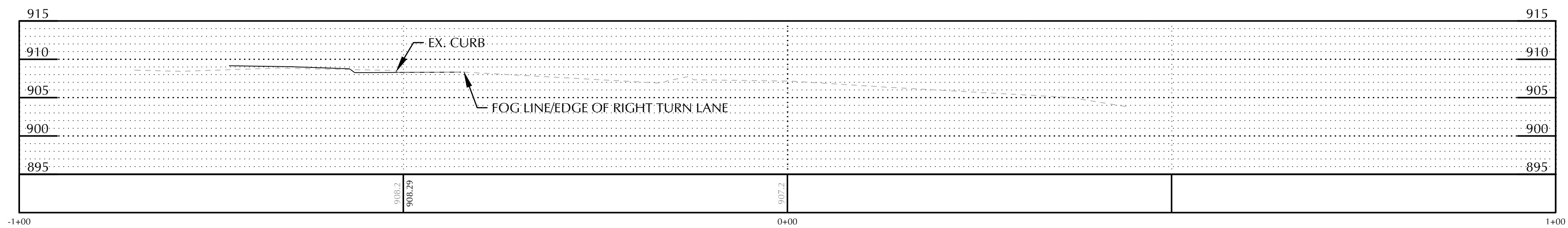
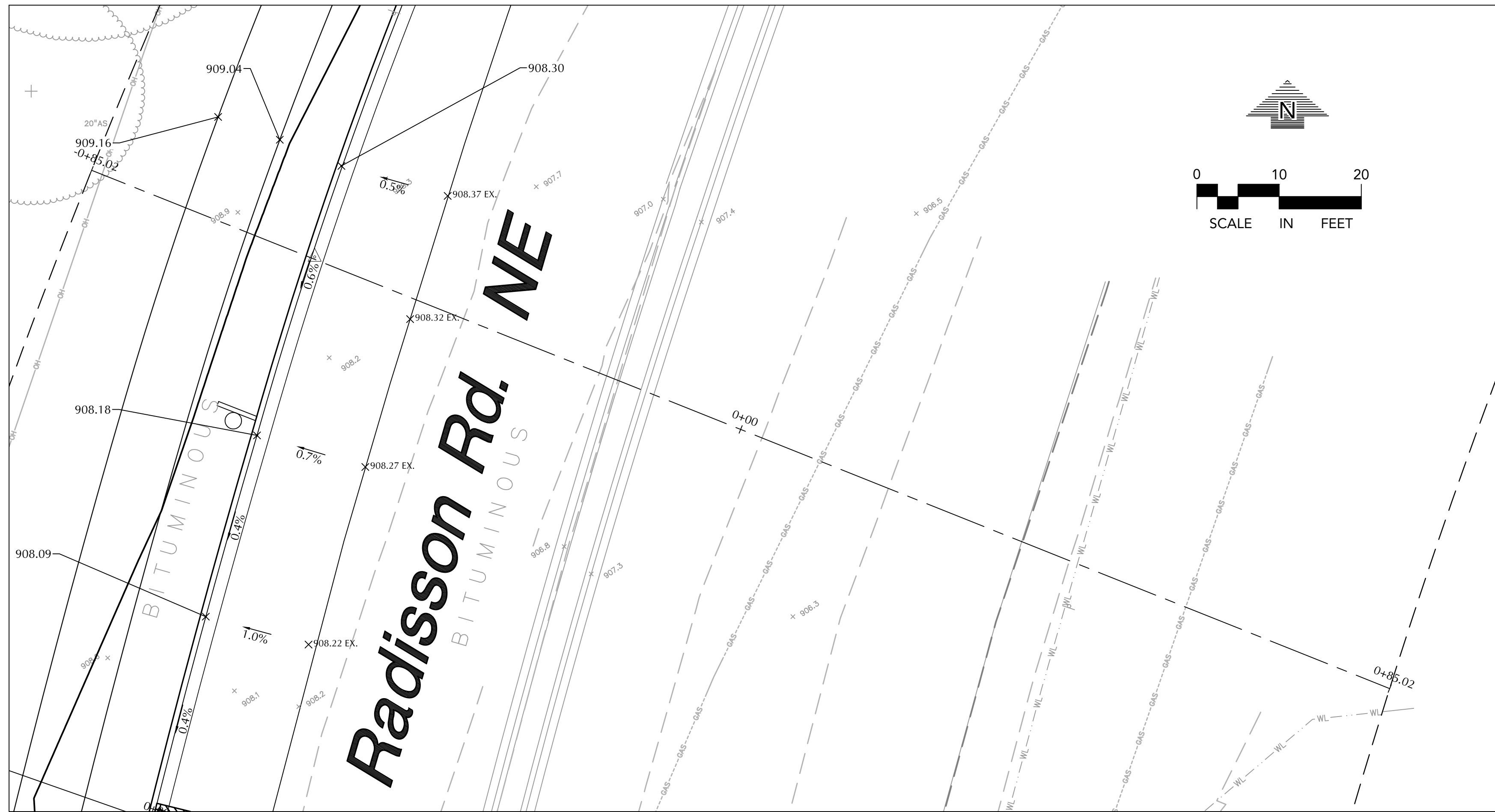
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C2-1	SITE PLAN
C3-1	GRADING & EROSION CONTROL PLAN
C3-2	GRADING DETAIL
C3-3 - C3-12	CROSS SECTIONS
C4-1	UTILITY PLAN
C4-2	STORM SEWER PROFILES
C8-1,2	CIVIL DETAILS
L1-1	LANDSCAPE PLAN

AA

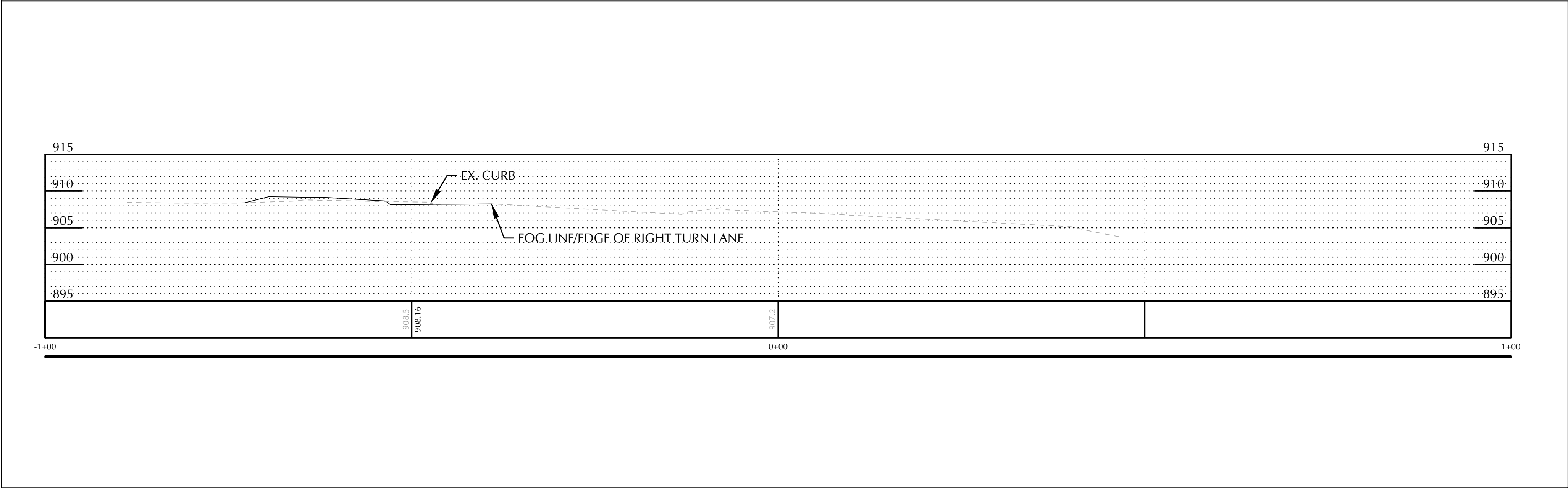


C3-3

BB



C3-4



CSAH 52 &
106TH LN NE
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BLAINE, MN

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COUNTY SUBMITTAL	02/26/25
COUNTY RESPONSE	03/28/25
PERMIT SET	05/27/25

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[Signature]

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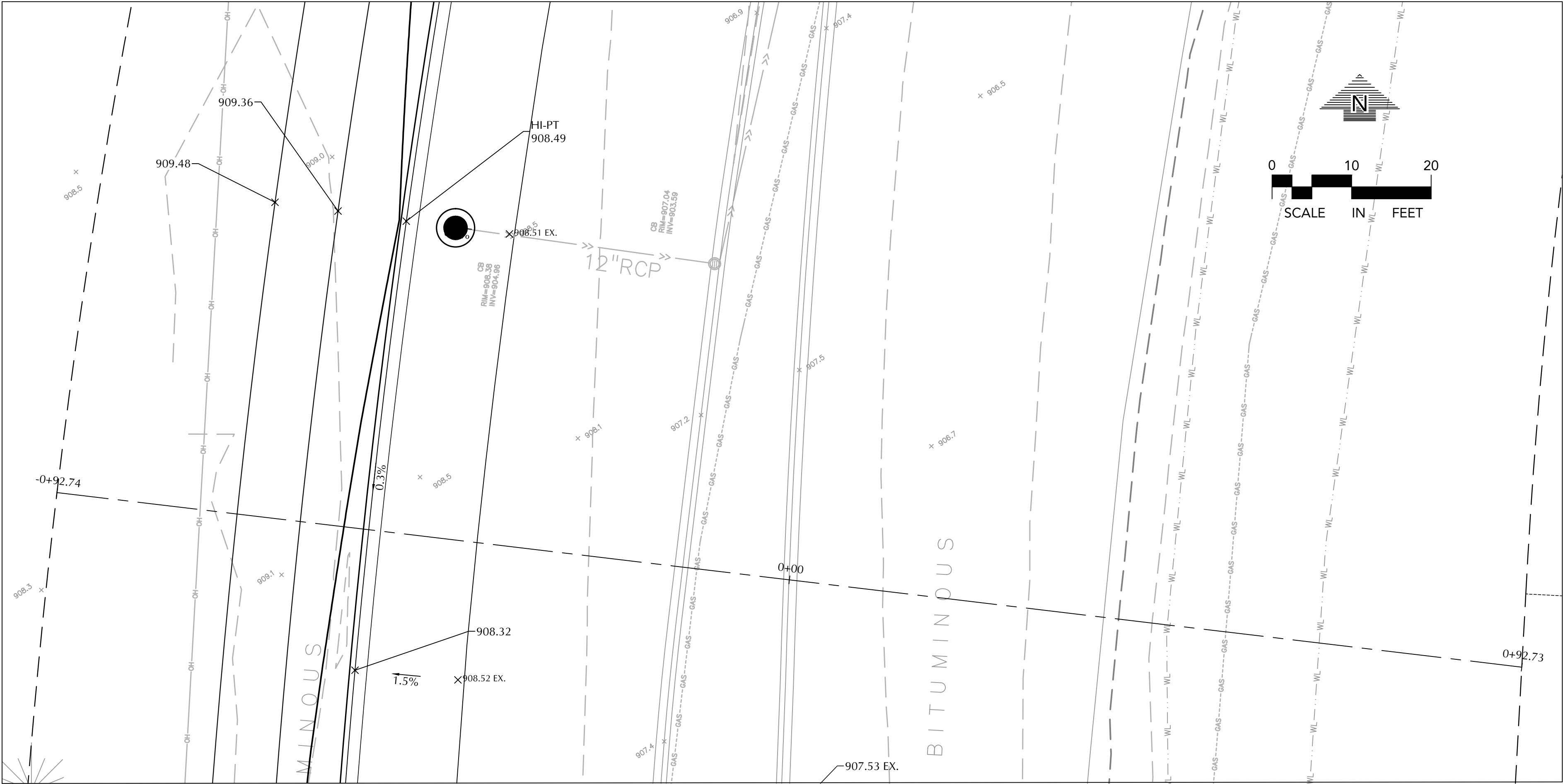
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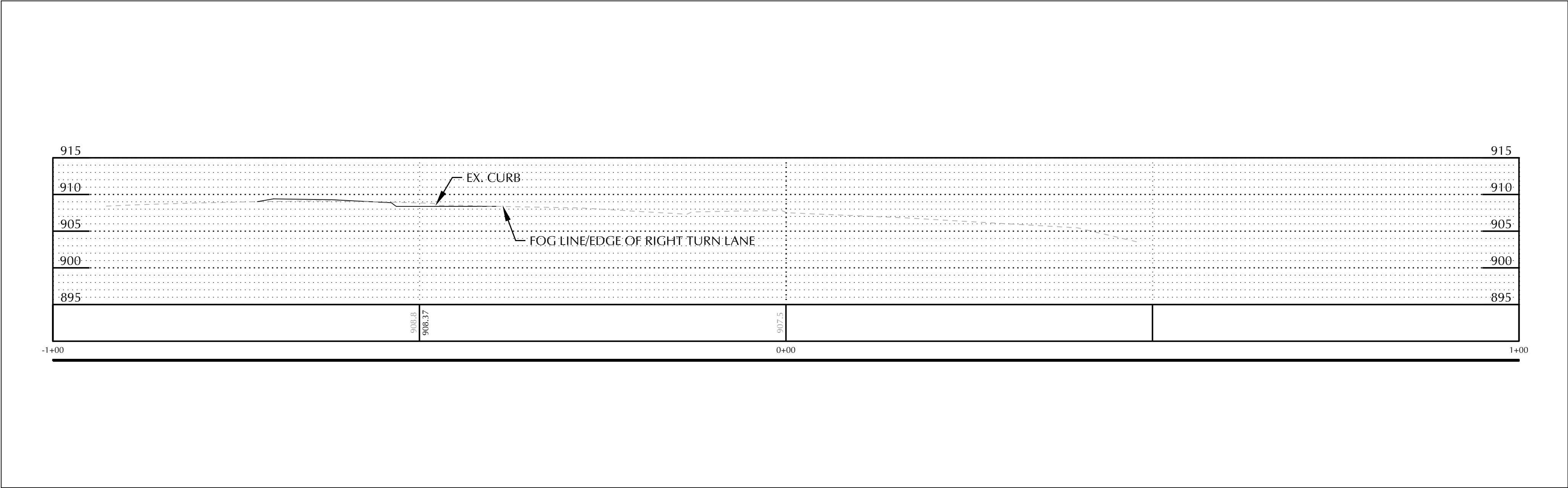
**CROSS
SECTIONS**

C3-5

DD



DD



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P.J. Disch - P.E.

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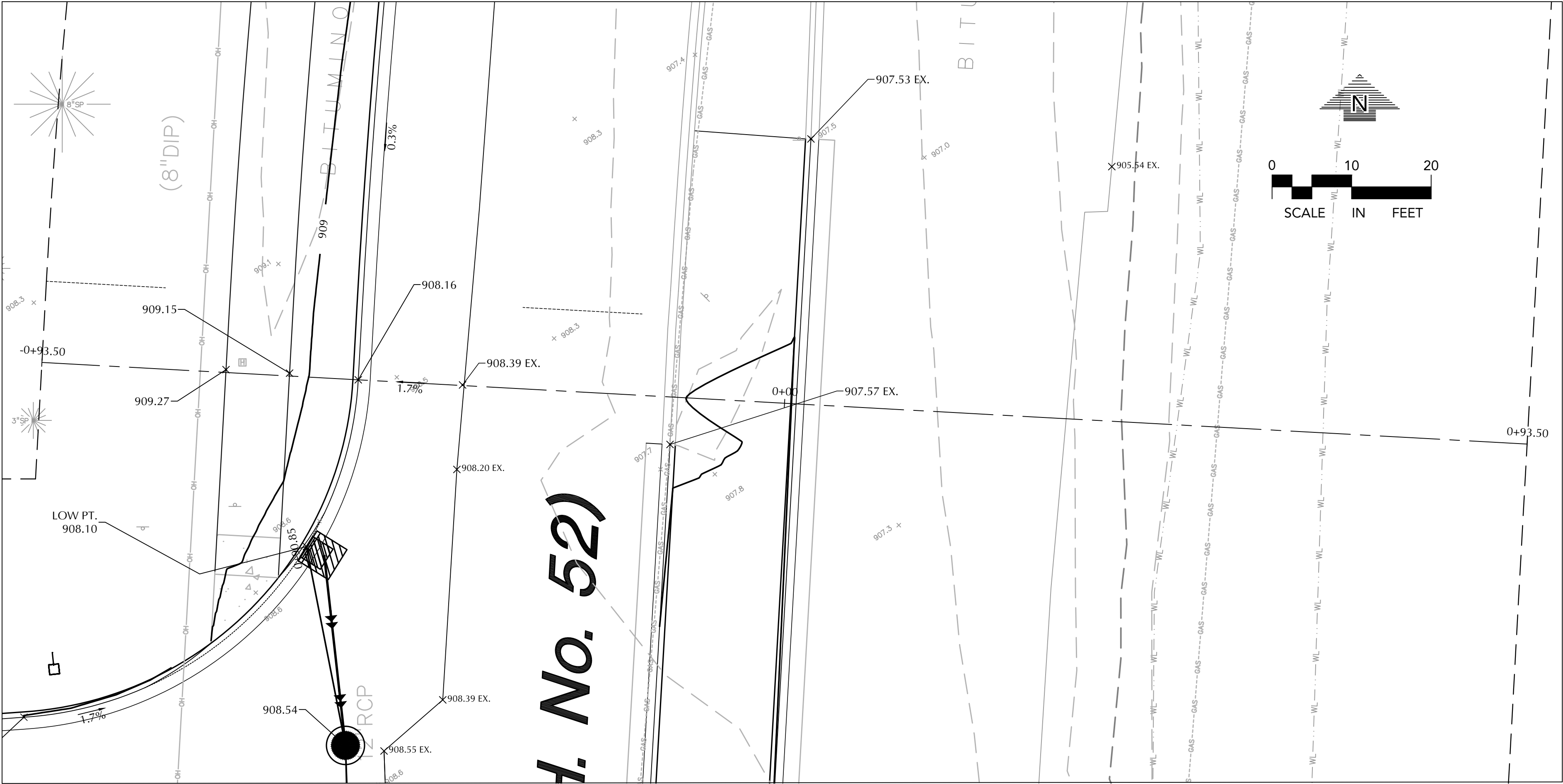
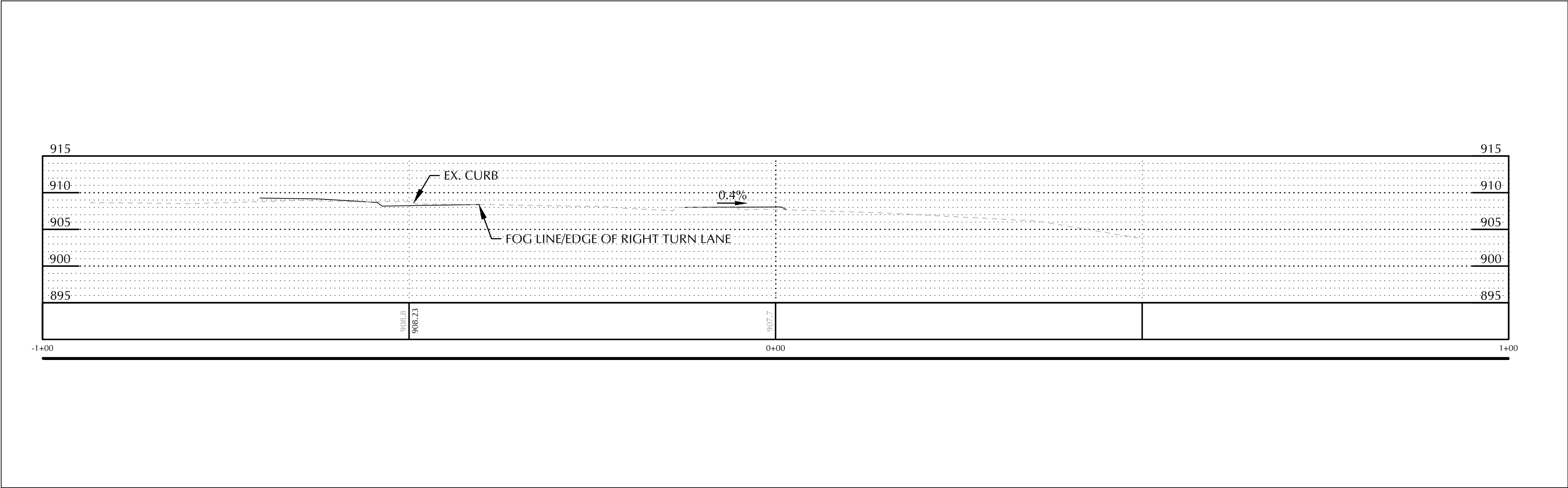
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C4-2 STORM SEWER PROFILES
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L1-1 LANDSCAPE PLAN

CROSS
SECTIONS

C3-6



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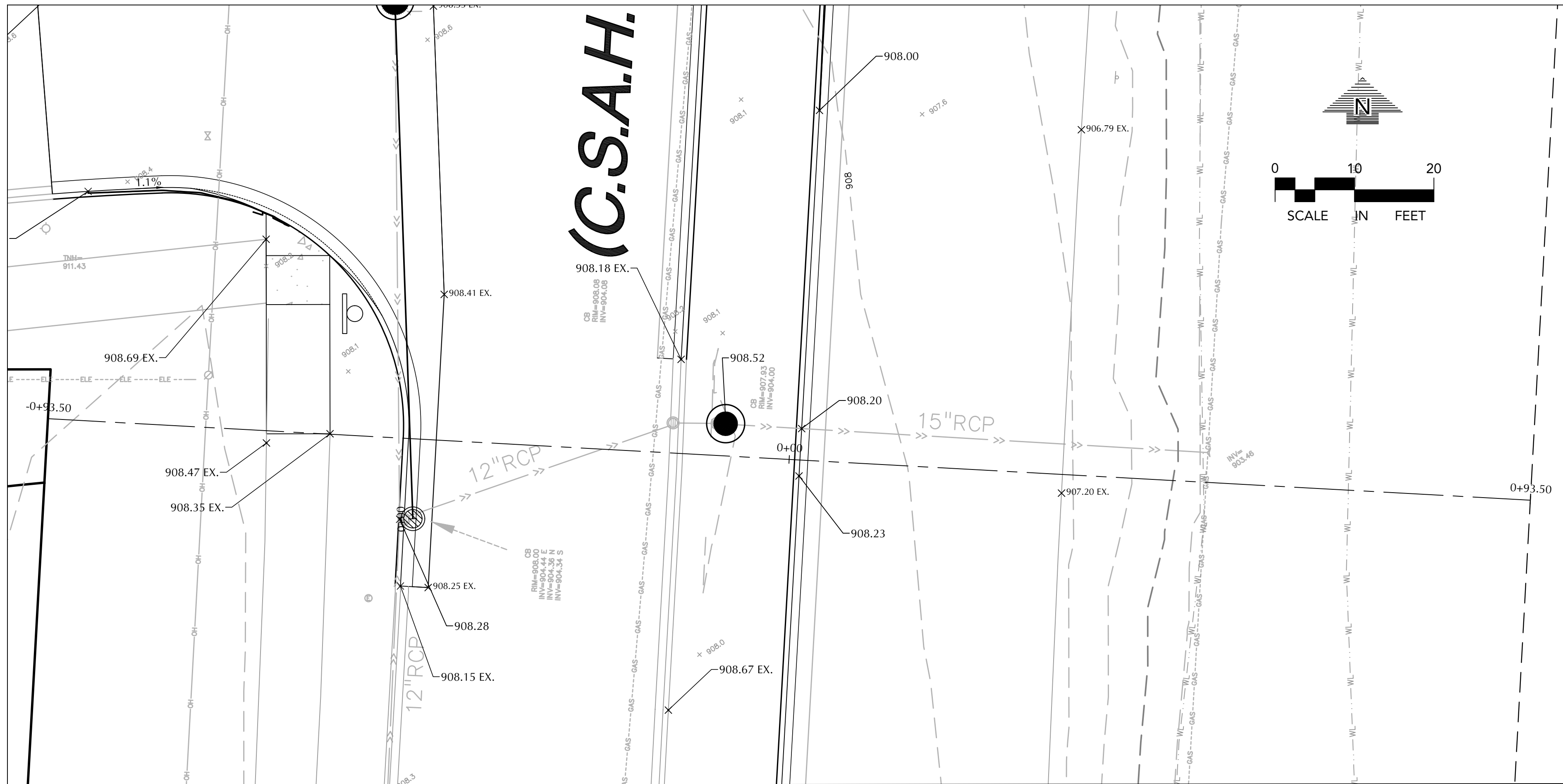
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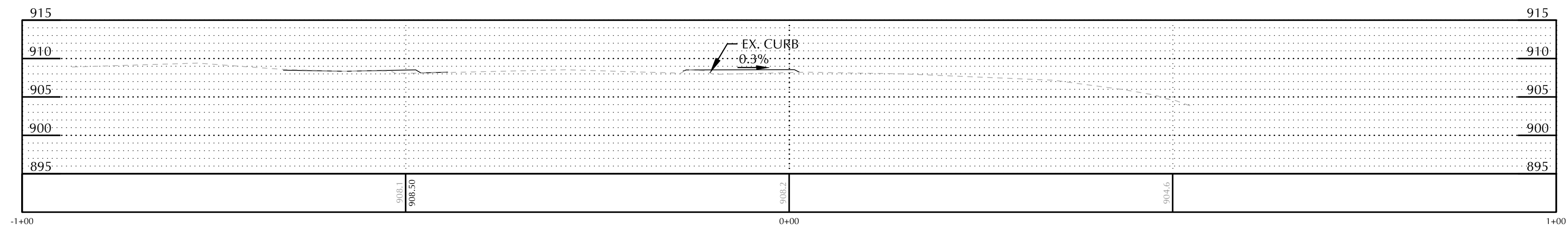
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SECTIONS

C3-7

FF



FF



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.....
P.J. Dirsch - 15

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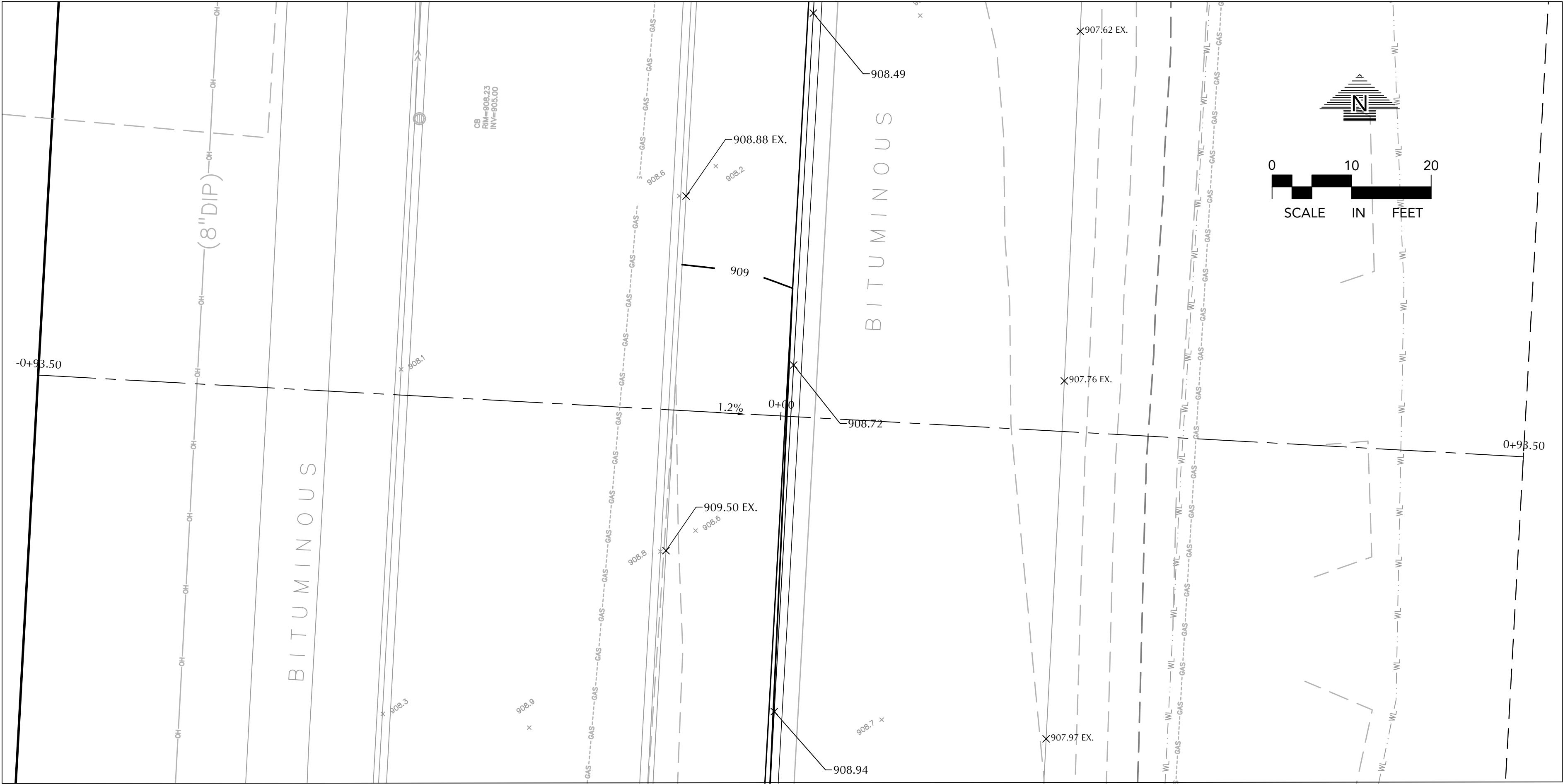
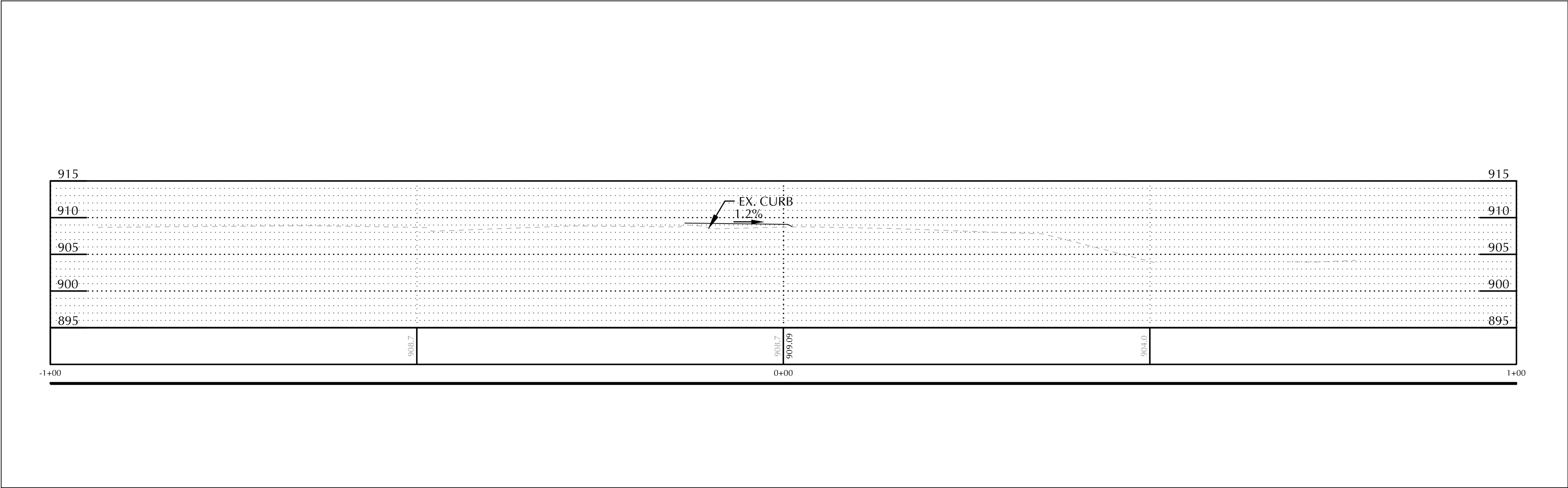
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C4-2	STORM SEWER PROFILES
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L1-1	LANDSCAPE PLAN

CROSS SECTIONS

C3-8



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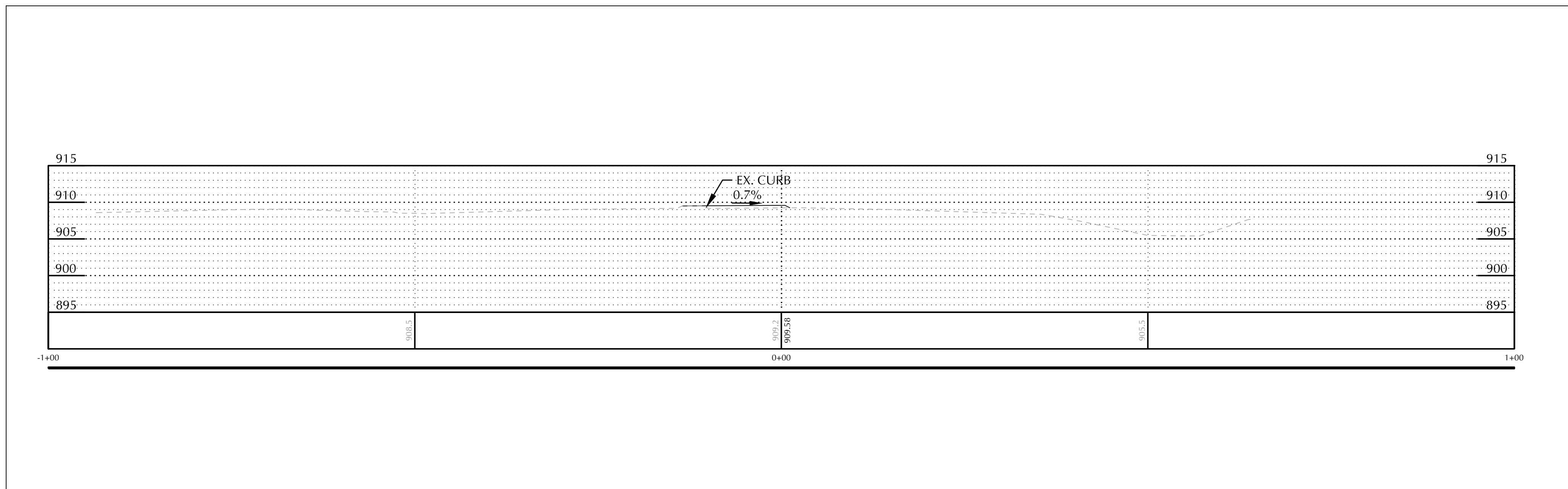
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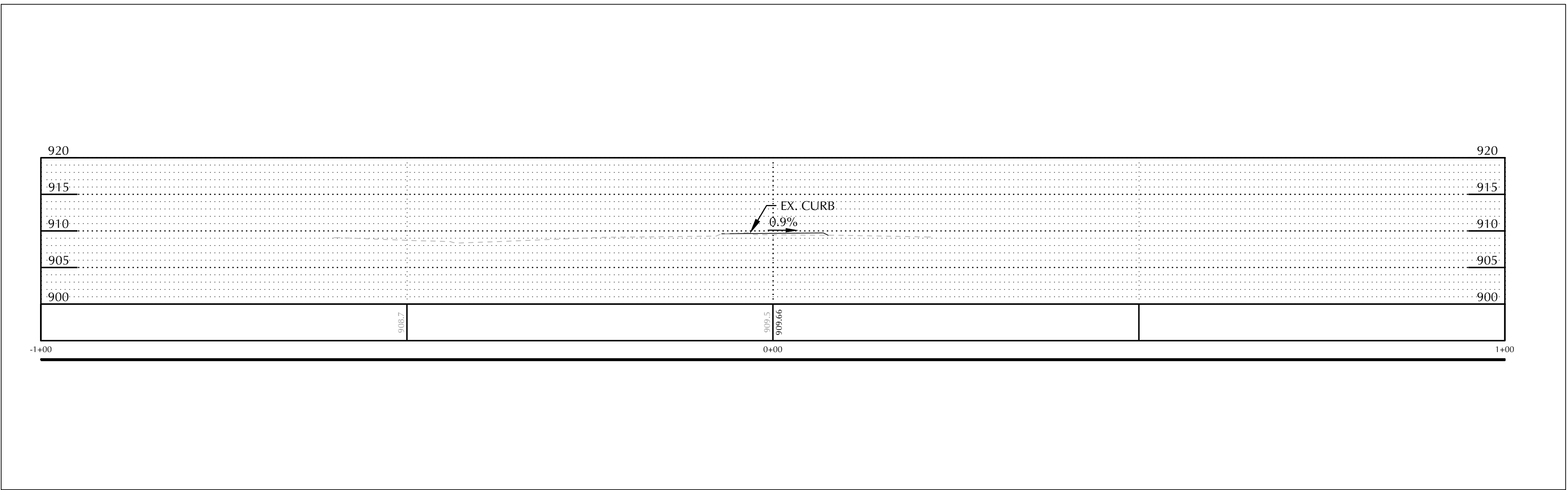
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Locucks Project No.	23026
Project Lead	PJL
Drawn By	TRM
Checked By	PJL
Review Date	05-27-2018

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PJ Disch - PE

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CROSS SECTIONS

C3-11

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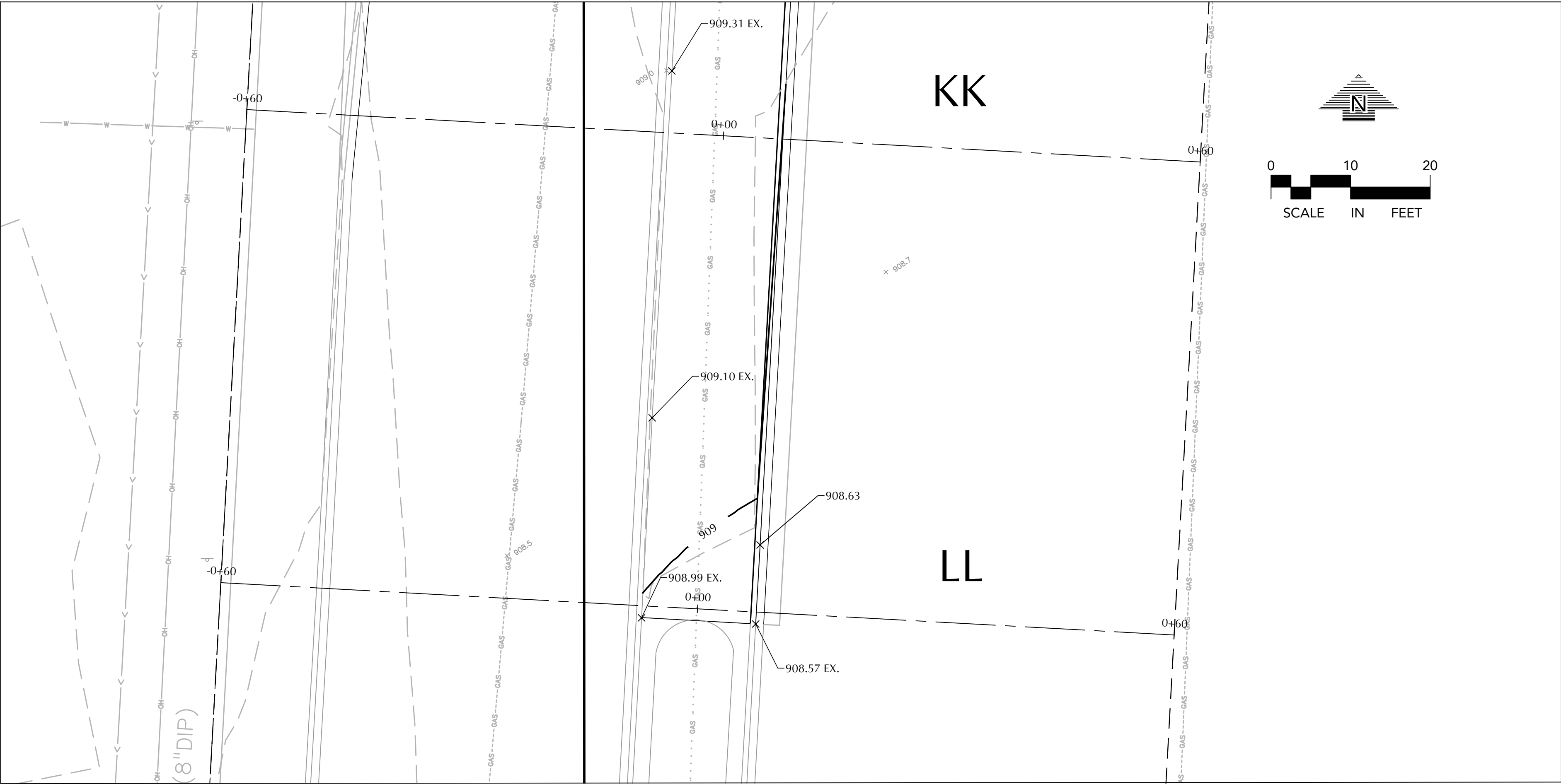
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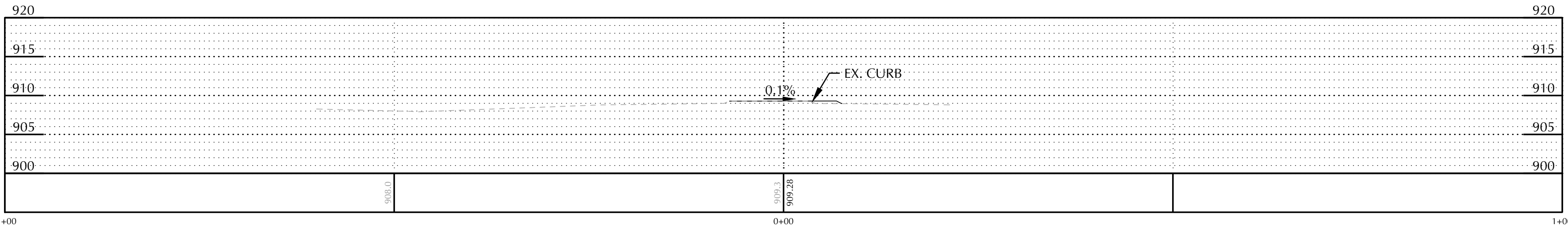
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CROSS
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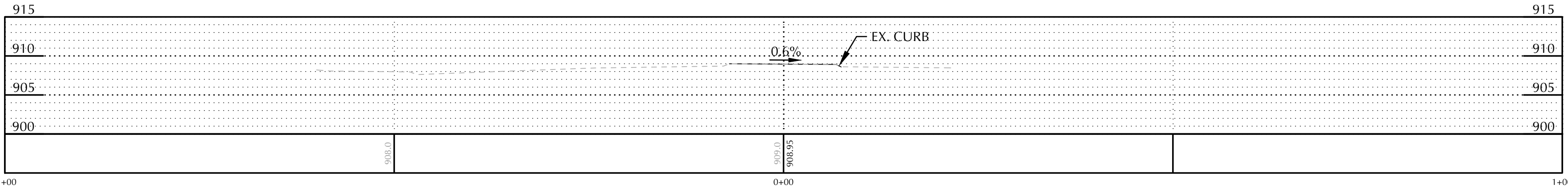
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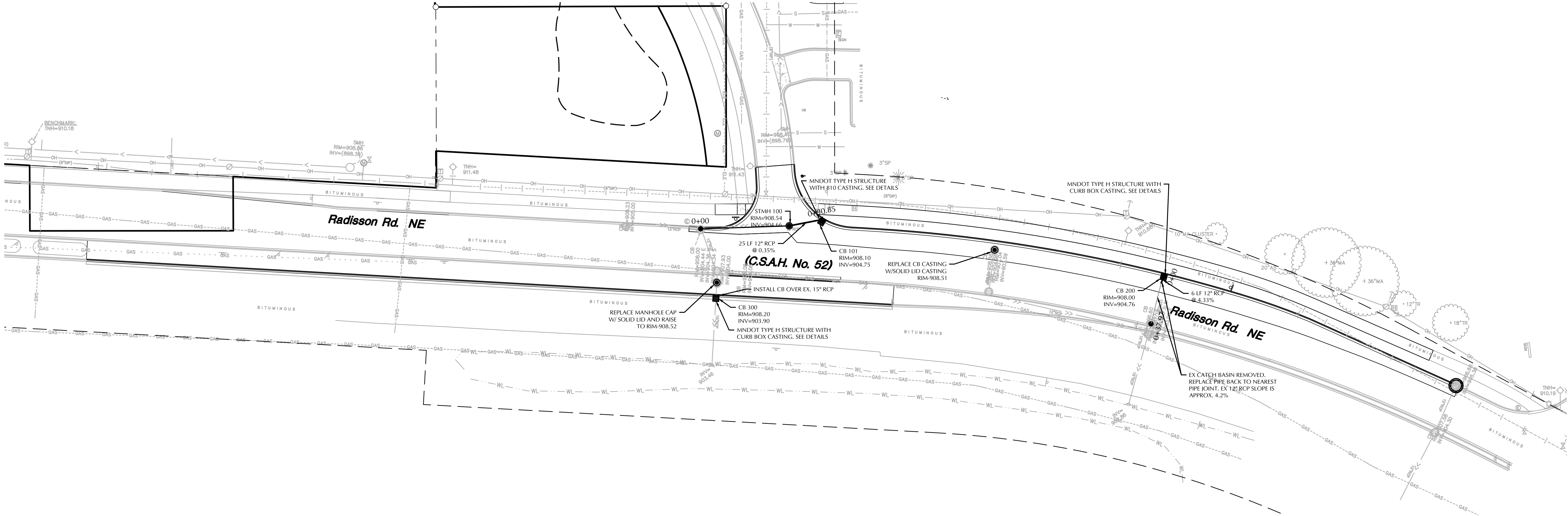
KK



LL



Plotted: 05/27/2025 11:47 AM W:\2023\2026\CADD DATA\CIVIL\dwg Sheet Files\CSAH 52 TURN LANES\C4-1 UTILITY PLAN



LEGEND

EXISTING		PROPOSED
	CATCH BASIN	
	STORM MANHOLE	
	FLARED END SECTION	
	SANITARY MANHOLE	
	HYDRANT	
	GATE VALVE	
	POST INDICATOR VALVE	
	WATER MANHOLE / WELL	
	LIGHT POLE	
	POWER POLE	
	ELECTRIC METER	
	GAS METER	
	TELEPHONE PEDESTAL	
	SIGN	
	BENCHMARK	
	SOIL BORING	
	PARKING STALL COUNT	
	ACCESSIBLE PARKING STALL	
	STORM SEWER	
	DRAIN TILE	
	SANITARY SEWER	
	FORCE MAIN	
	WATER MAIN	
	SANITARY SEWER SERVICE	
	WATER SERVICE	
	UNDERGROUND ELECTRIC	
	UNDERGROUND FIBER OPTIC	
	UNDERGROUND GAS	
	UNDERGROUND TELEPHONE	
	OVERHEAD UTILITY	
	FENCE	
	CHAIN LINK FENCE	
	CONCRETE CURB	
	RETAINING WALL	
	CONCRETE	
	NO PARKING	
	BUILDING	
	CONTOUR	
	SPOT ELEVATION	
	DIRECTION OF FLOW	
	TREE LINE	
	PARKING SETBACK LINE	
	BUILDING SETBACK LINE	

GRADING, DRAINAGE & EROSION CONTROL NOTES

- SPOT ELEVATIONS REPRESENT FINISHED SURFACE GRADES, GUTTER/FLOW LINE, FACE OF BUILDING, OR EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- ALL PUBLIC SIDEWALKS SHALL BE CONSTRUCTED WITH A CROSS SLOPE NOT EXCEEDING 2% AND A RUNNING SLOPE NOT EXCEEDING 5%.
- CATCH BASINS AND MANHOLES IN PAVED AREAS SHALL BE SUMPED 0.04 FEET. ALL CATCH BASINS IN GUTTERS SHALL BE SUMPED 0.16 FEET. RIM ELEVATIONS SHOWN ON PLANS DO NOT REFLECT SUMPED ELEVATIONS.
- CITY AND WATERSHED SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO CONSTRUCTION OF STORMWATER BMPS.
- ALL DISTURBED UNPAVED AREAS ARE TO RECEIVE MINIMUM OF 4 INCHES OF TOP SOIL AND SEED/MULCH OR SOD. THESE AREAS SHALL BE WATERED/MAINTAINED BY THE CONTRACTOR UNTIL VEGETATION IS ESTABLISHED. REFER TO THE LANDSCAPE PLANS, DETAILS AND SPECIFICATIONS FOR FINAL SITE STABILIZATION.
- STREETS MUST BE CLEANED AND SWEEPED WHENEVER TRACKING OF SEDIMENTS OCCURS AND BEFORE SITES ARE LEFT IDLE FOR WEEKENDS AND HOLIDAYS. A REGULAR SWEEPING SCHEDULE MUST BE ESTABLISHED.
- DUST MUST BE ADEQUATELY CONTROLLED.
- SEE UTILITY PLAN FOR WATERMAIN, STORM SEWER, AND SANITARY SEWER INFORMATION.
- SEE SITE PLAN FOR CURB AND BITUMINOUS TAPER LOCATIONS.
- THE CONTRACTOR ALONG WITH THE OWNER SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM GOVERNING AUTHORITIES, INCLUDING ANY CITY PERMITS.
- INSTALL EROSION CONTROL MEASURES BEFORE BEGINNING SITE GRADING ACTIVITIES. SOME EROSION CONTROLS SUCH AS BALE CHECKS AND TEMPORARY SILT PONDS MAY BE INSTALLED AS GRADING OCCURS IN SPECIFIC AREAS. MAINTAIN EROSION CONTROLS THROUGHOUT THE GRADING PROCESS AND REMOVE WHEN TURF HAS BEEN ESTABLISHED.
- PER NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM/STATE DISPOSAL SYSTEM (NPDES/SDS) REQUIREMENTS, THE WASHOUT AND CLEANOUT OF STUCCO, PAINT, CONCRETE, FORM RELEASE OILS, CURING COMPOUNDS, AND OTHER CONSTRUCTION MATERIALS SHALL BE PROPERLY CONTAINED AND DISPOSED OF. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND USING APPROVED METHODS OF CONTAINMENT SUCH AS PRE-FABRICATED WASHOUT CONTAINERS, CONCRETE WASHOUT TOTE, READY MIX TRUCKS WITH SELF-CONTAINED CHUTE CLEANOUT, ETC.
- CONTRACTOR SHALL PROVIDE AS-BUILT INFORMATION OF GRADING ACTIVITIES AS NEEDED PER APPLICABLE PERMIT REQUIREMENTS AND/OR DEVELOPMENT AGREEMENTS.

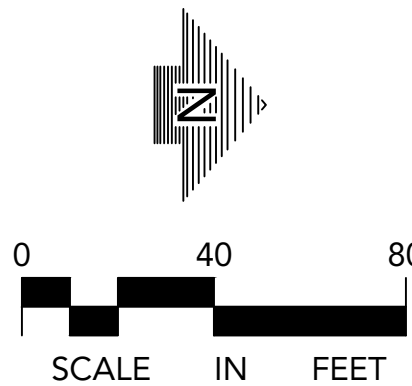


CALL BEFORE YOU DIG!
Gopher State One Call
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND / OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.



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QUALITY CONTROL

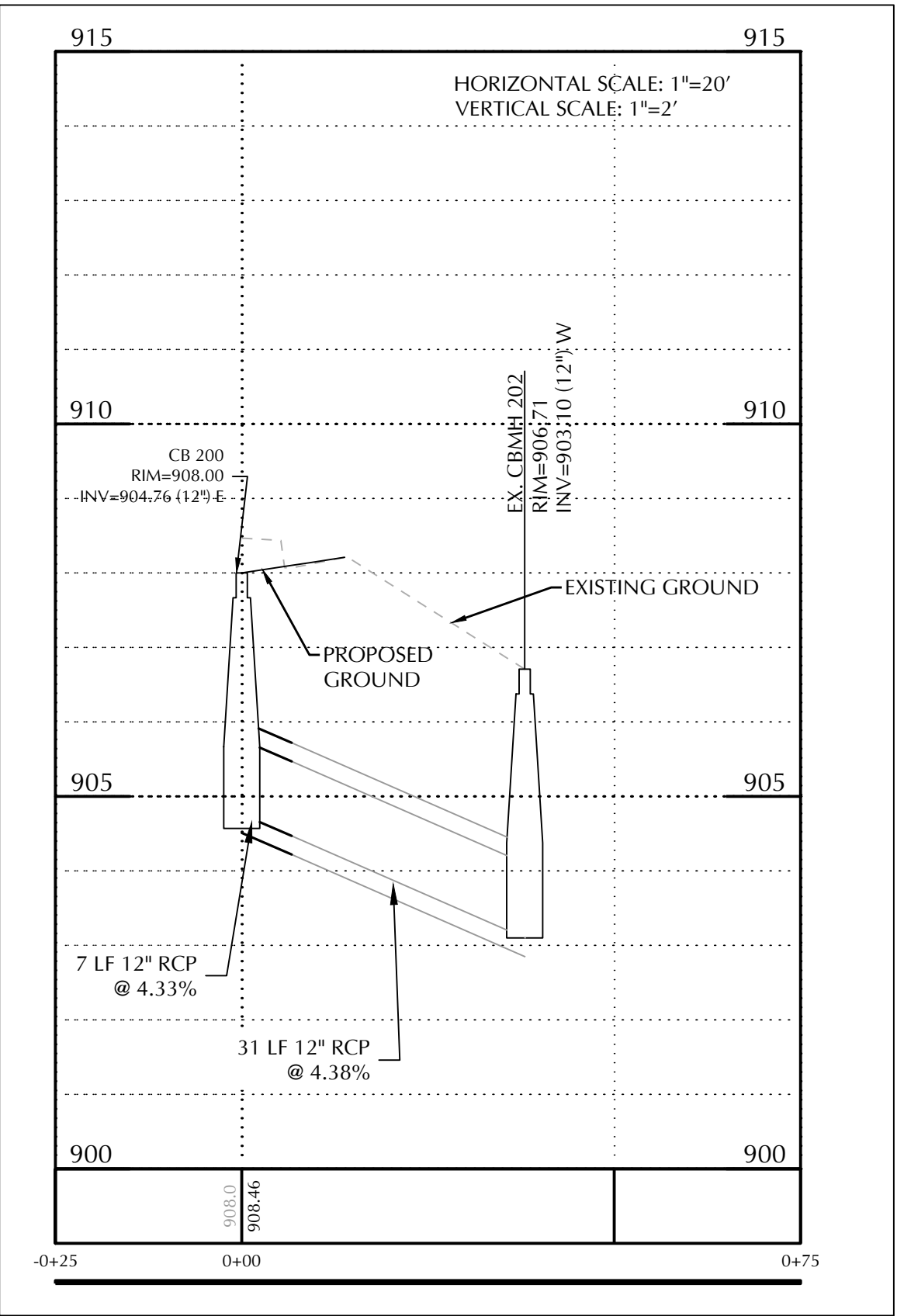
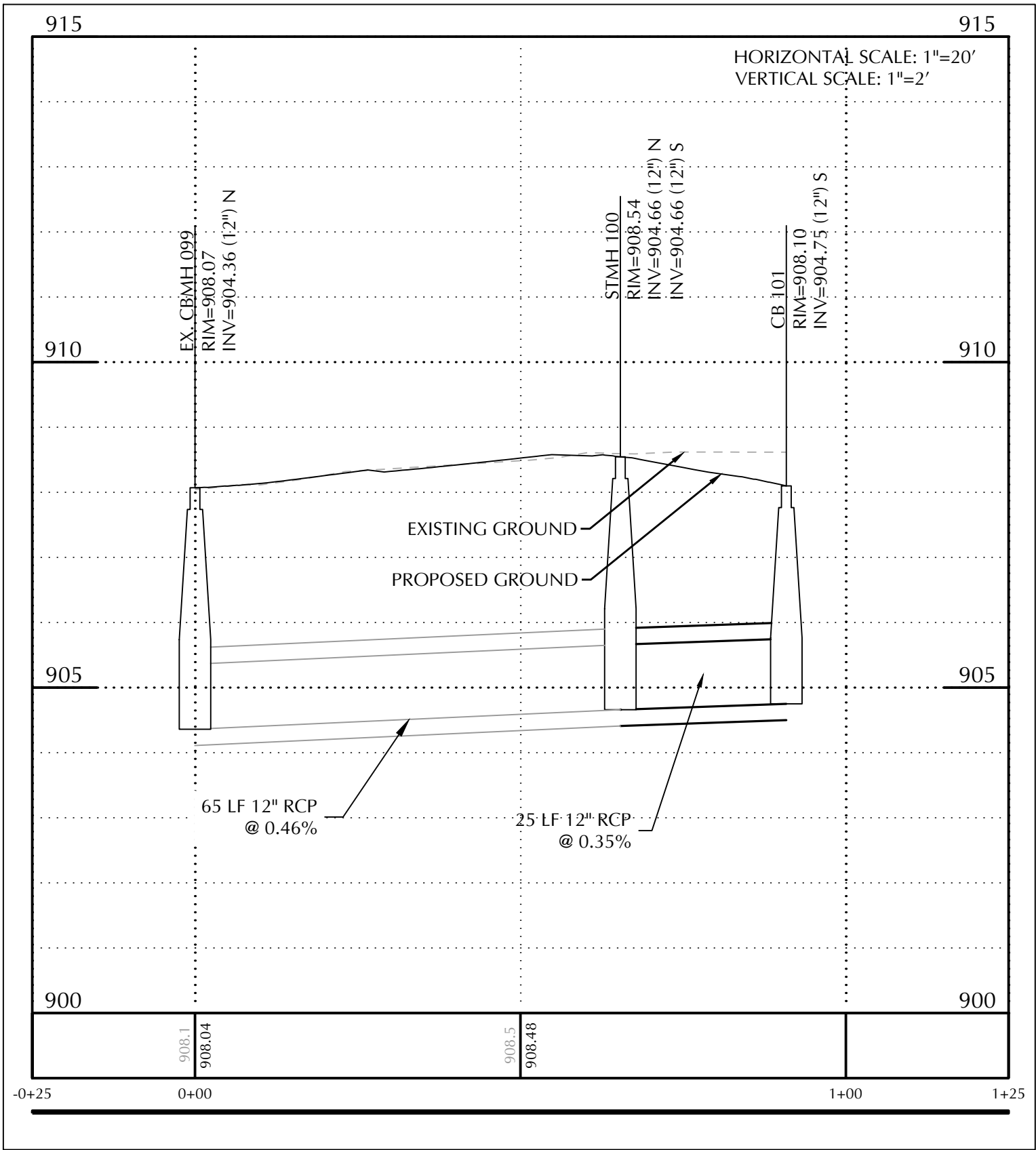
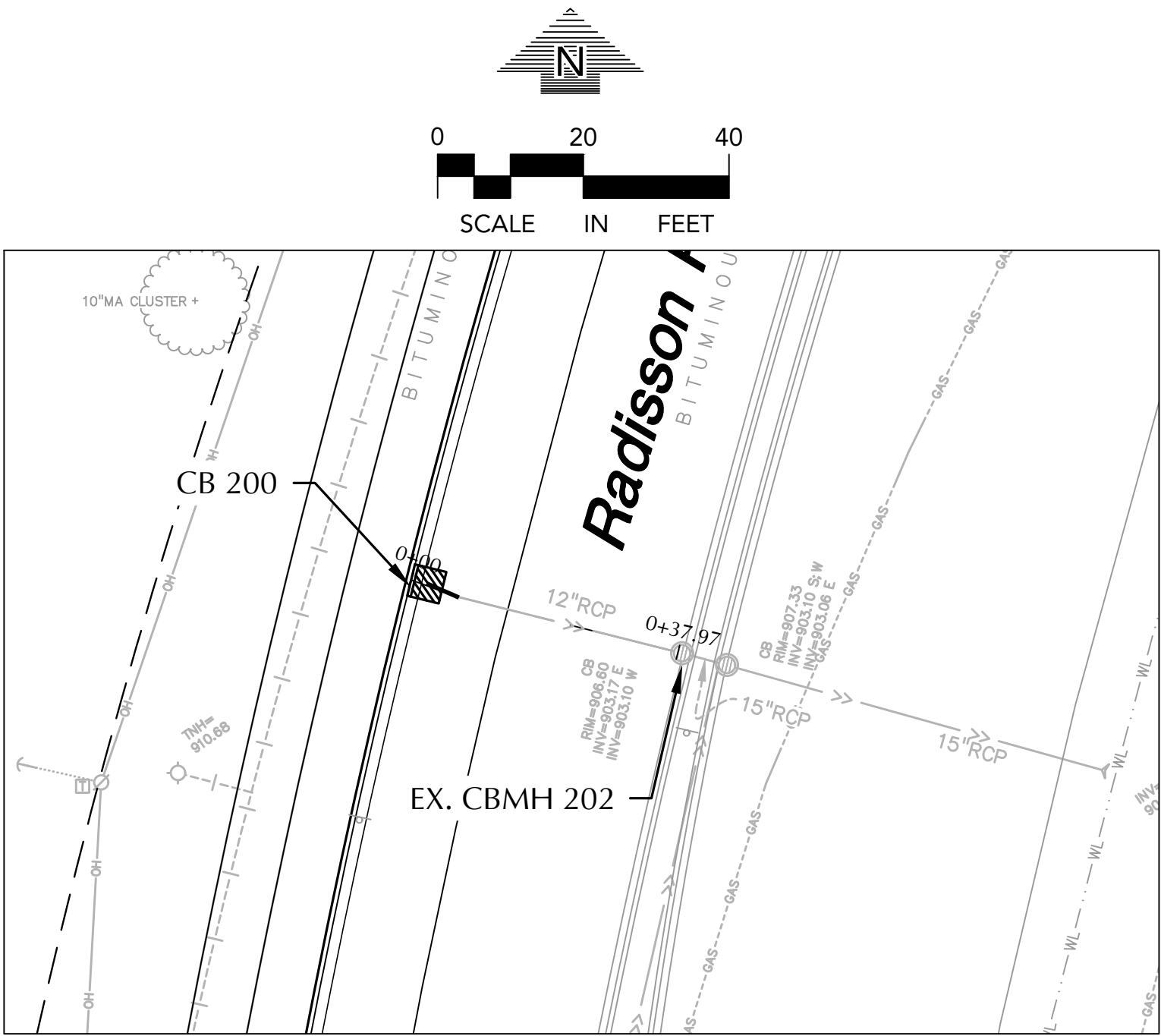
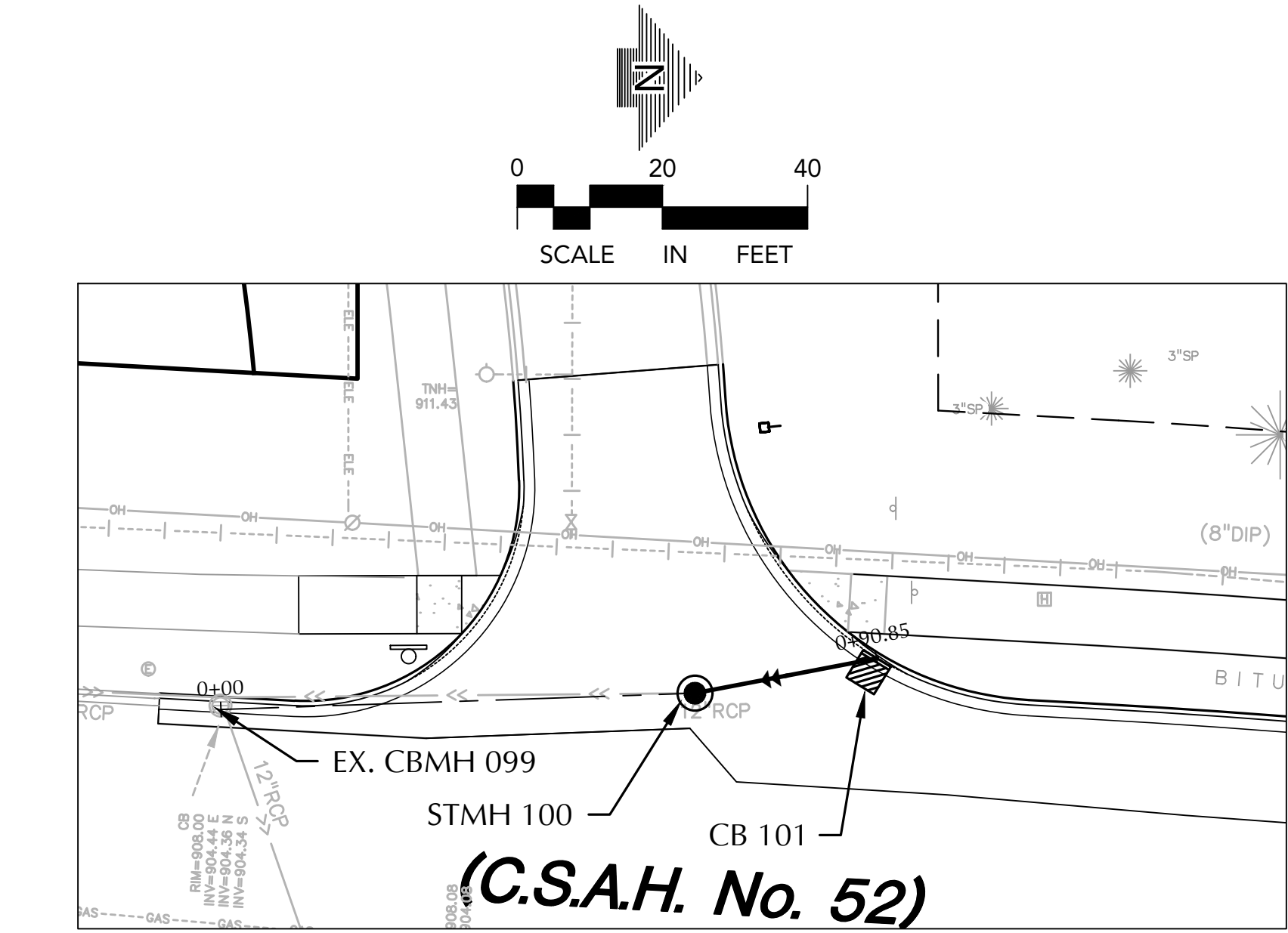
Loucks Project No.	23026C
Project Lead	PJD
Drawn By	TRG
Checked By	PJD
Review Date	05-27-25

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L1-1	LANDSCAPE PLAN

UTILITY PLAN

C4-1



CSAH 52 & 106TH LN NE INTERSECTION

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SUBMITTAL/REVISIONS

COUNTY SUBMITTAL	02/26/25
COUNTY RESPONSE	03/28/25
PERMIT SET	05/27/25

PROFESSIONAL SIGNATURE

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.


License No. 49933
Date 05-27-25

QUALITY CONTROL

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STORM SEWER PROFILES

C4-2

ANOKA COUNTY HIGHWAY DEPARTMENT

TYPICAL LEFT TURN LANE
(USE PAVEMENT SECTION ADT > 10,000 IN DETAIL "A")

TYPICAL BY-PASS
(USE PAVEMENT SECTION ADT > 10,000 IN DETAIL "A")

TYPICAL RIGHT TURN LANE

ALL DISTURBED SOIL SHALL BE SEED, MULCHED, AND DISK ANCHORED IN ACCORDANCE WITH MNDOT STANDARD SPECIFICATIONS. RAPID-DEGRADABLE STRAW BLANKET SHALL BE USED IN AREAS OF HIGH EROSION.

NOT TO SCALE

EXHIBIT 1
January 2020

Turn/Bypass Lane Addition
On Existing Highway

FILE NAME: 80048

ANOKA COUNTY HIGHWAY DEPARTMENT

12' EXIST. TRAVEL LANE

12' BYPASS/TURN LANE (MIN)

SAWCUT BITUMINOUS

2.5%

FINISHED GRADE (TYP)

SUITABLE MATERIAL

4

1

CLASS 5 P.I.

GRADING P.I.

GRADING GRADE (TYP)

ADT \leq 5,000	5,000 < ADT \leq 10,000	ADT > 10,000
2.0" SPWEB340C	1.5" SPWEB340E	2.0" SPWEB340F
2.0" SPWEB340C	1.5" SPWEB340E	2.0" SPWEB340F
N/A	2.0" SPWN330B	2.0" SPWN330B
6.0" CLASS 5	6.0" CLASS 5	8" CLASS 5

MIX DESIGN
(2360 SPEC)

ALL DISTURBED SOIL MUST BE SEEDED, MULCHED, AND DISK ANCHORED IN ACCORDANCE WITH MN/DOT STANDARD SPECIFICATIONS. RAPID-DEGRADABLE STRAW BLANKET SHALL BE USED IN AREAS OF HIGH EROSION.

Base and Bituminous Construction Detail

NOT TO SCALE

DETAIL A
September 2019

FILE NAME: 80008

ANOKA COUNTY HIGHWAY DEPARTMENT

TYPICAL RIGHT TURN LANE (C & G)

15' PAINTED TAPER STRIPE
180' TURN LANE
300' END TURN LANE
15' BUSH
R=30' MIN
END TURN LANE BITUMINOUS CONSTRUCTION

IF NO SHOULDER, BEGIN TURN LANE CONSTRUCTION AT 150' TAPER

SEE DETAIL BELOW FOR BASE AND BITUMINOUS CONSTRUCTION

SAWCUT BITUMINOUS
12' EXIST. TRAVEL LANE
13' BYPASS/TURN LANE (MIN)
2.5%
1.0'
4 1

GRADING GRADE (TYP)
FINISHED GRADE (TYP)
SUITABLE MATERIAL
R44 (4" MIN) OR GREATER
R44 (4" MIN) OR GREATER
CURB/GUTTER - B412 AND B418 MATCH EXISTING
SEE SHEET C2.1 FOR LOCATIONS

ADT <= 5,000	5,000 < ADT <= 10,000	ADT > 10,000
2.0" SPWEB340C	1.5" SPWEB340E	2.0" SPWEB340F
2.0" SPWEB340C	2.0" SPWEB340E	2.0" SPWEB340F
N/A	2.0" SPWN330B	2.0" SPWN330B
6.0" CLASS 5	6.0" CLASS 5	10" CLASS 5

MIX DESIGN (2595 SPEC)

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NOT TO SCALE

Base and Bituminous Construction Detail For Curb and Gutter Section

DETAIL A
January 2020

FILE NAME: B00H

BLAINE, MN

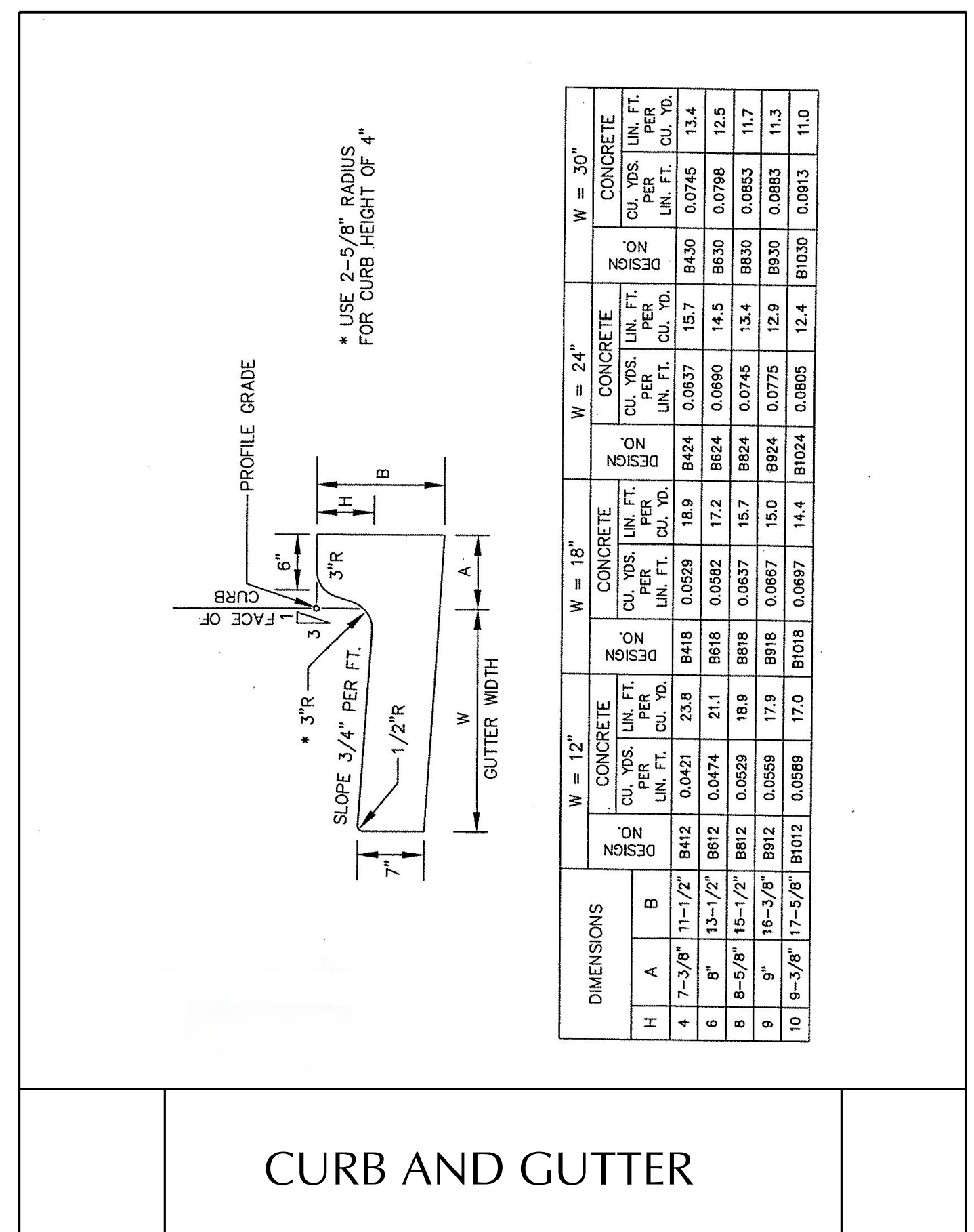
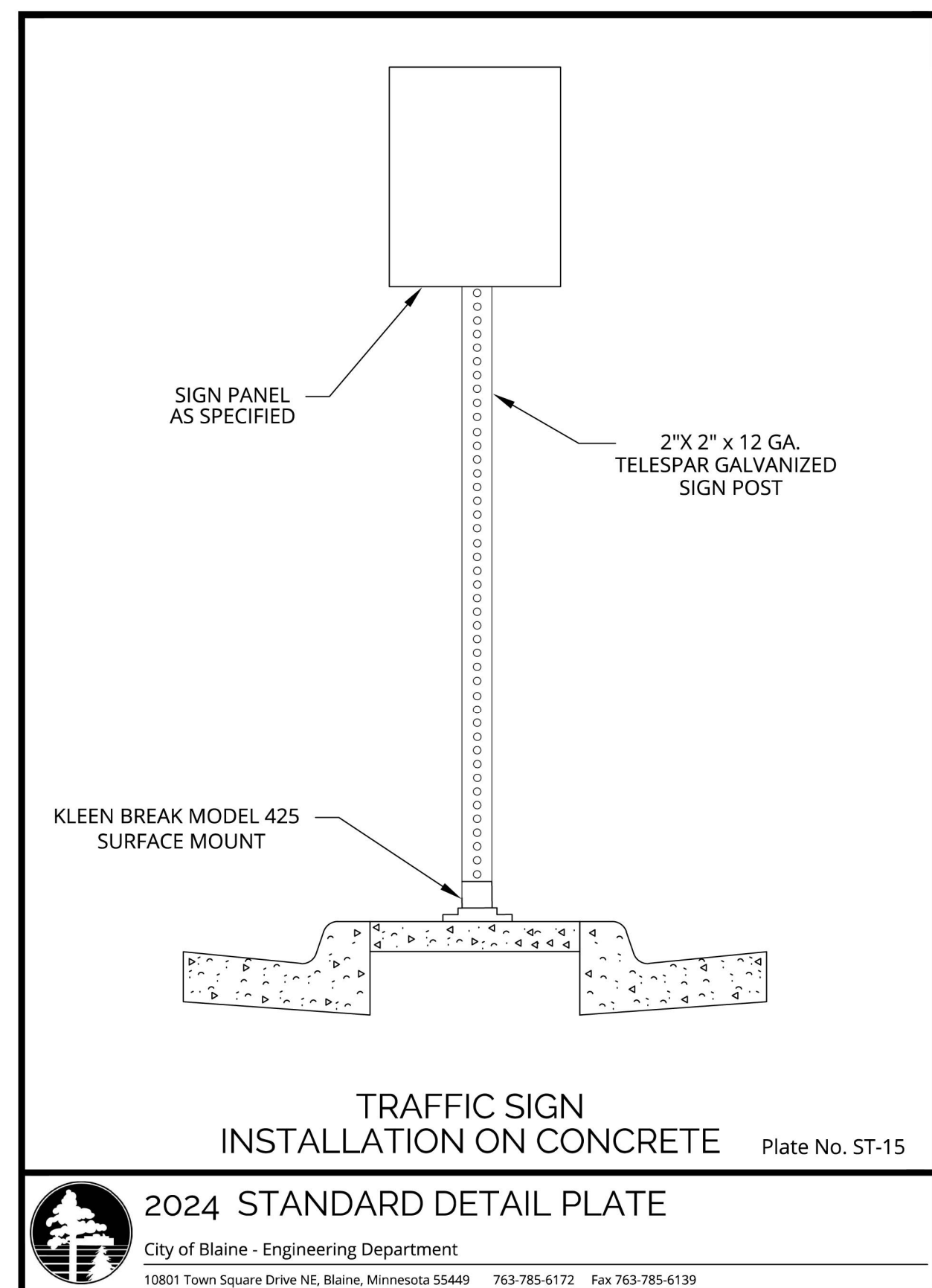
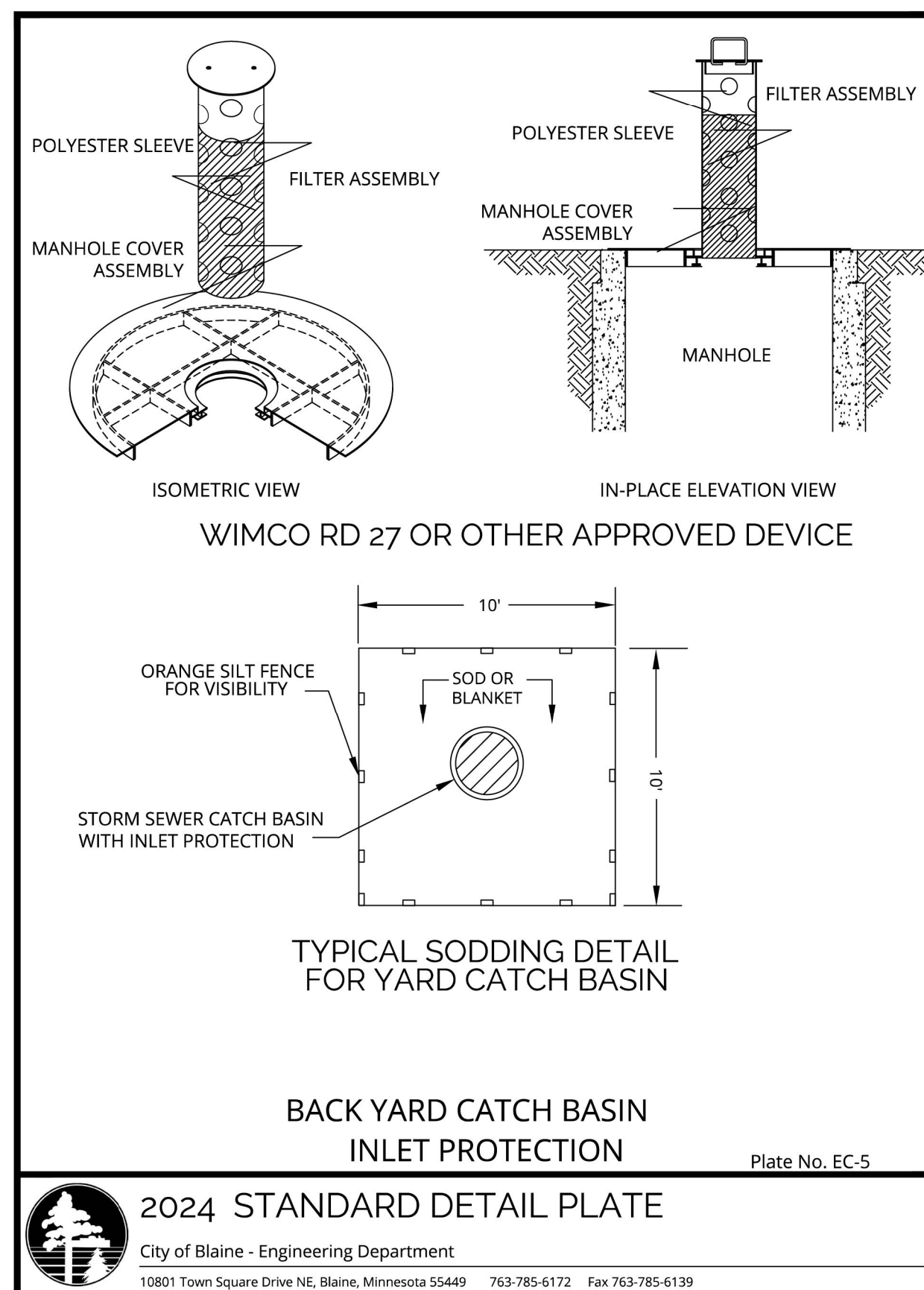
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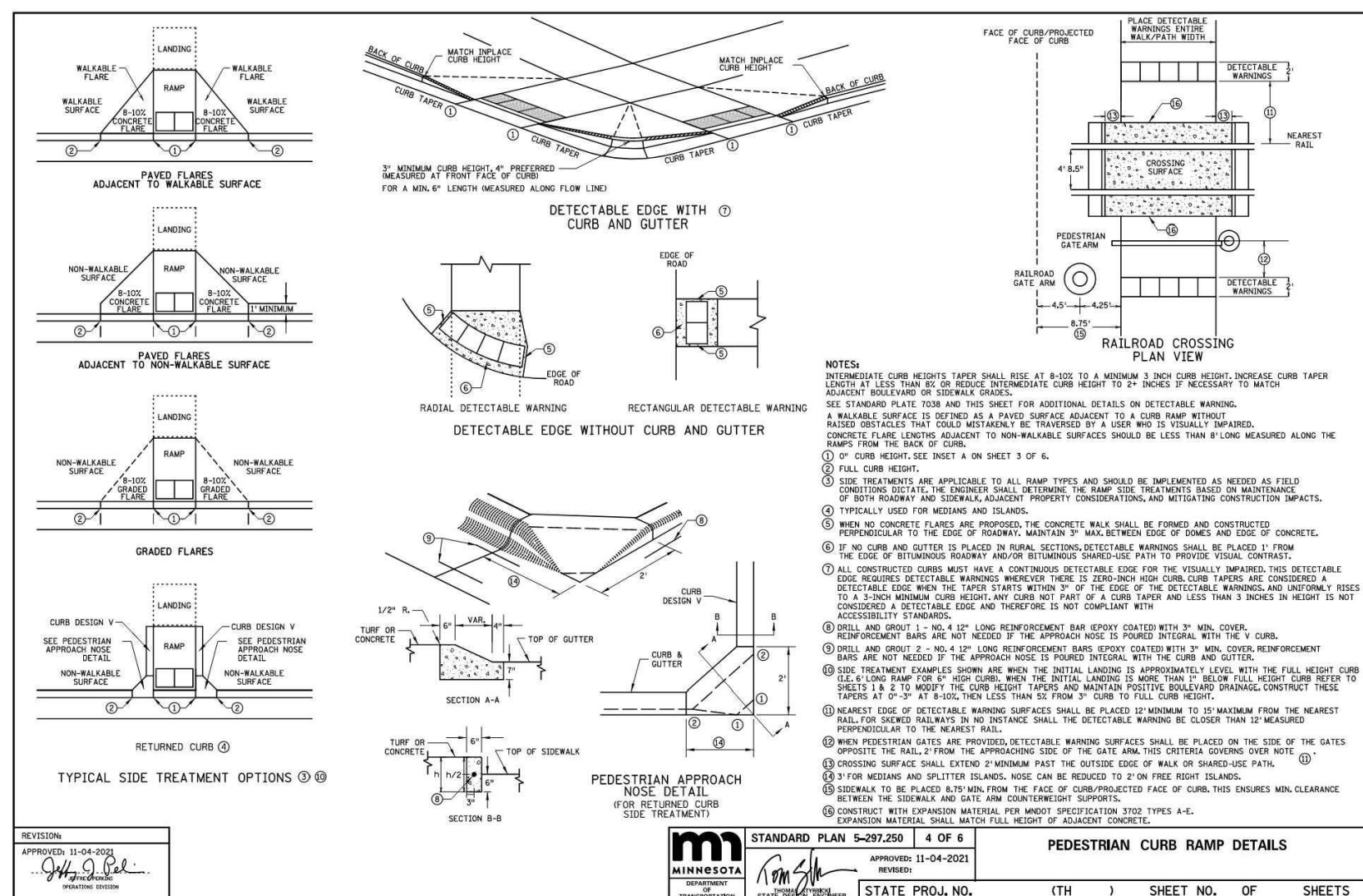
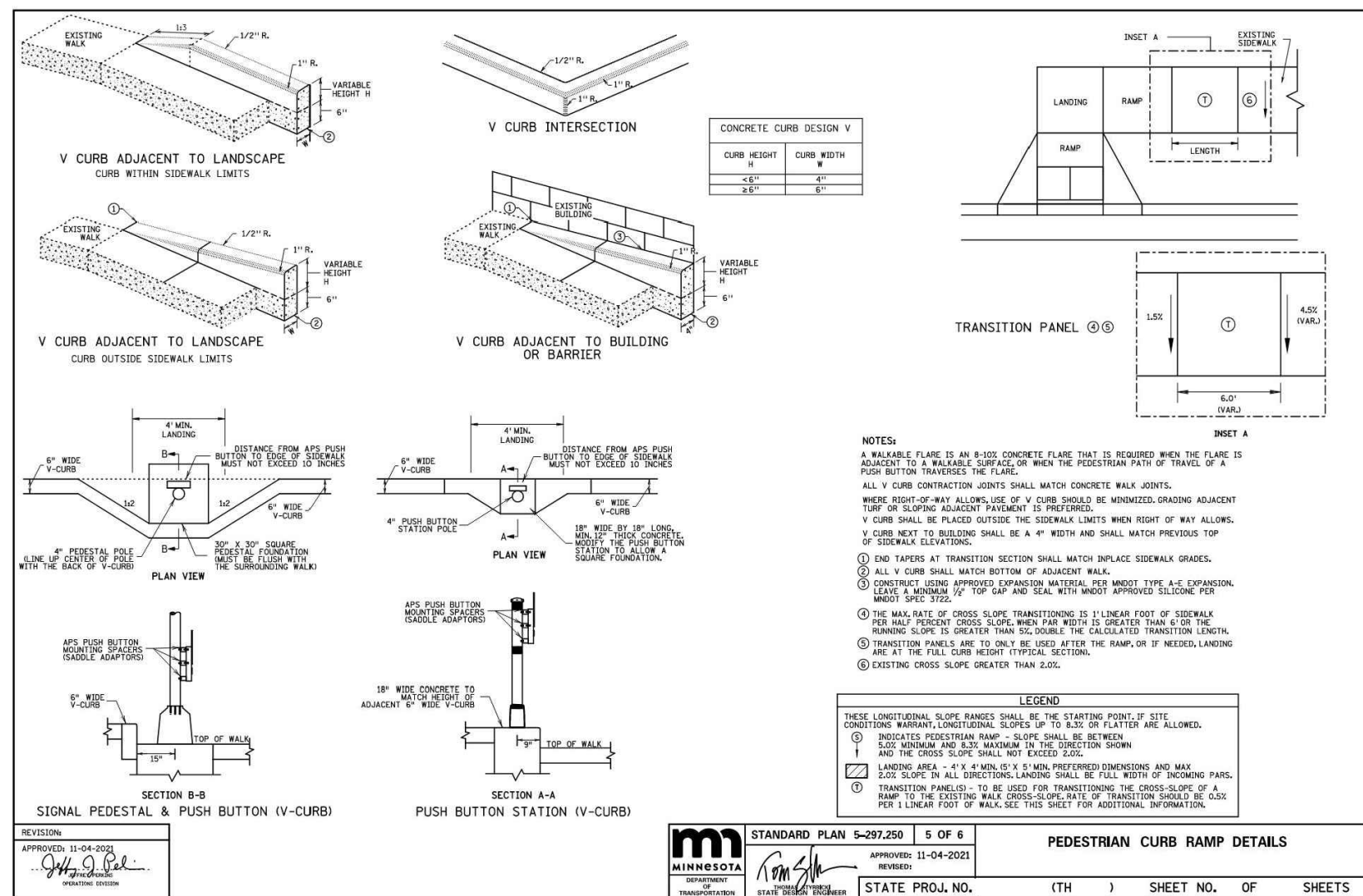
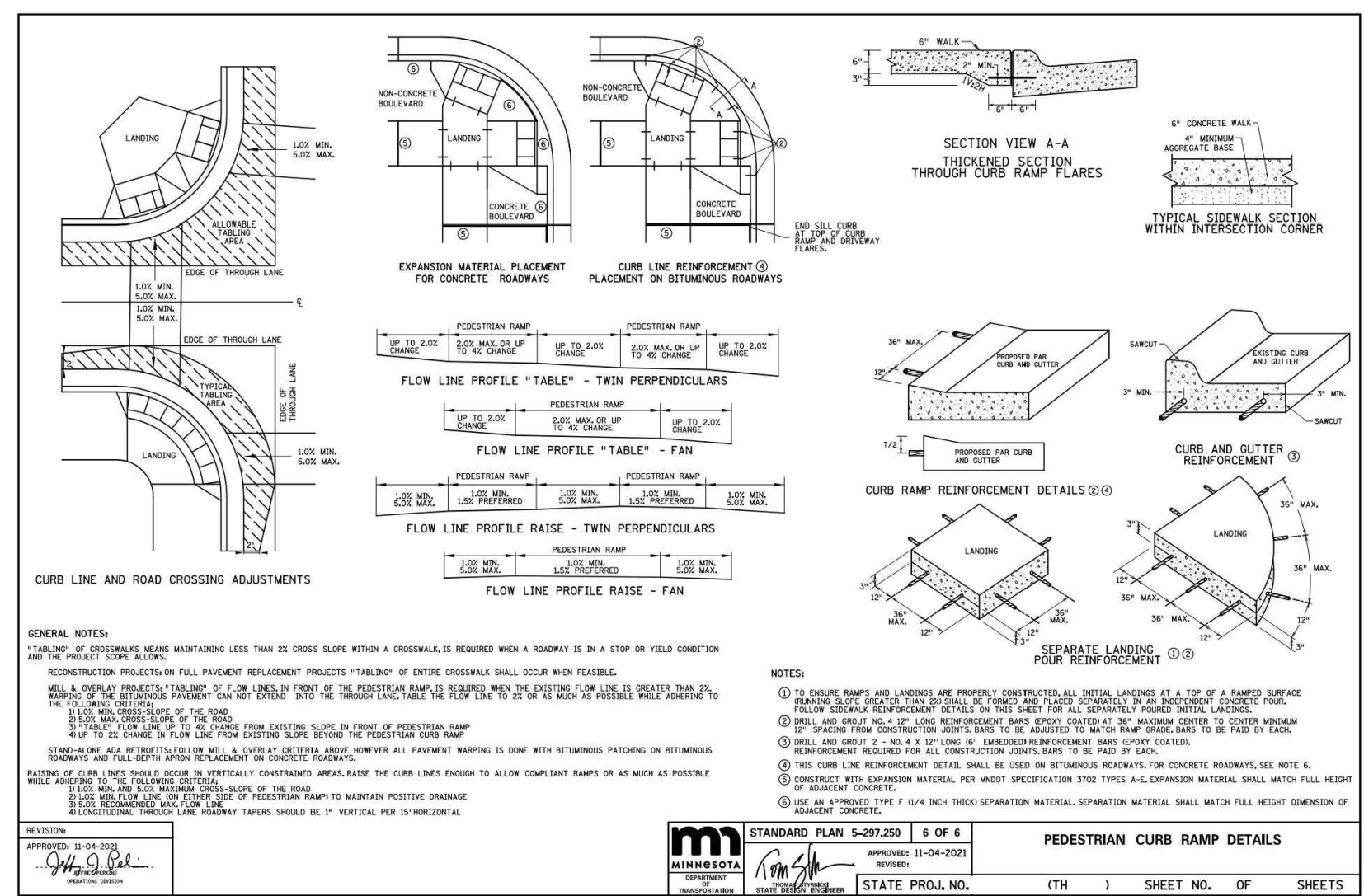
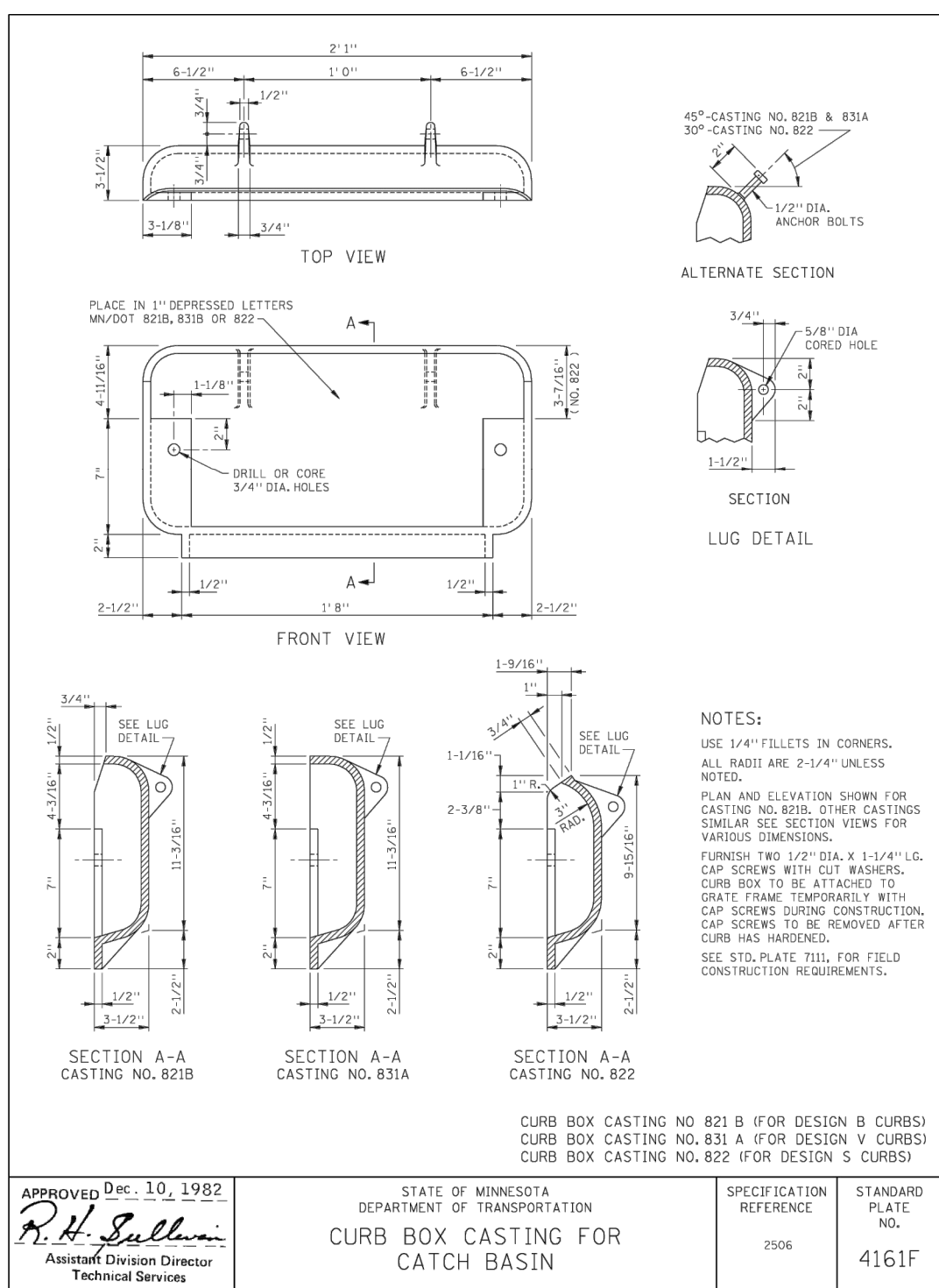
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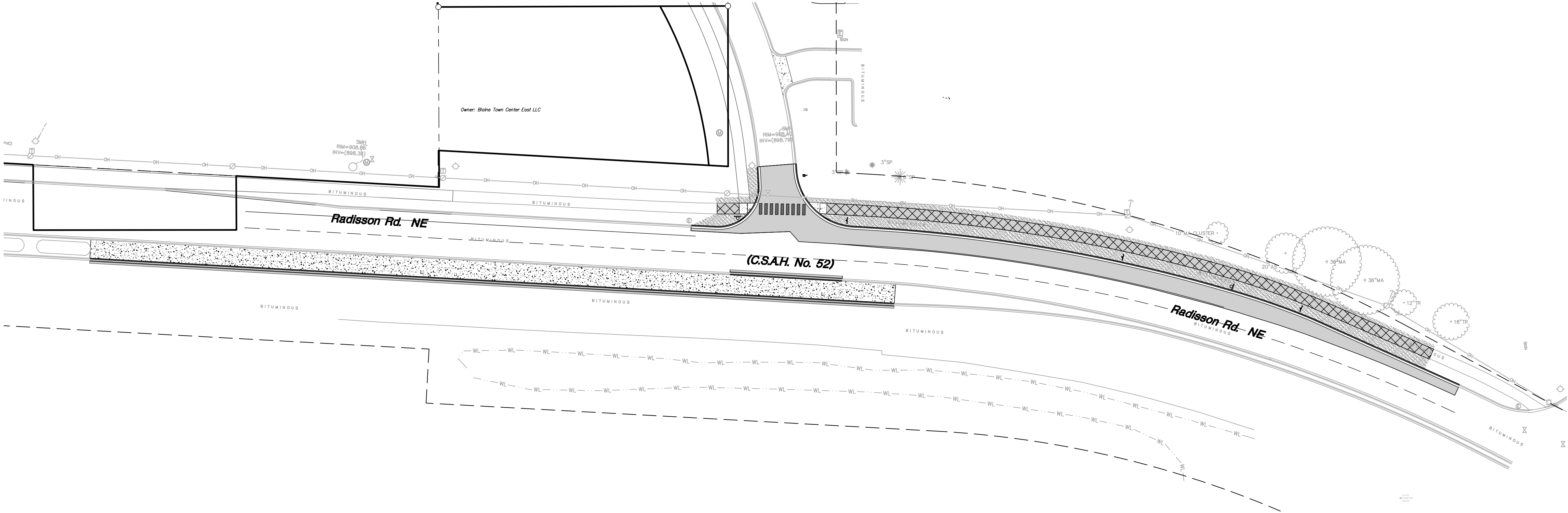
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CIVIL DETAILS
C8-1



W:\2023\230226C\CADD DATA\CIVIL\dwg Sheet Files\CSAH 52 TURN LANES\L1-1 LANDSCAPE PLAN
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PLANT SCHEDULE			
SYMBOL	QTY	BOTANICAL NAME	COMMON NAME
GROUND COVERS			
	6,020 SF	MNDOT 25-131 RATE: 220 LBS/ACRE MULCH: HYDROSEED	SEED MIXTURE - COMMERCIAL TURF

LANDSCAPE INSTALLATION:

SOIL & GROUND COVER

ALL PLANTING AREAS RECEIVING GROUND COVER, PERENNIALS, ANNUALS, AND / OR VINES SHALL RECEIVE A MINIMUM OF 12" DEPTH OF PLANTING SOIL CONSISTING OF AT LEAST 45 PARTS TOPSOIL, 45 PARTS PEAT OR MANURE AND 10 PARTS SAND.

WHERE SEED ABUTS PAVED SURFACES, FINISHED GRADE OF SEED SHALL BE HELD 1" BELOW SURFACE ELEVATION OF TRAIL, SLAB, CURB, ETC.

SEED ALL AREAS DISTURBED DUE TO GRADING. SEED SHALL BE INSTALLED AND MULCHED AS PER MNDOT SPECS.

LANDSCAPE CONTRACTOR SHALL VERIFY THAT SOIL AND COMPACTION CONDITIONS ARE ADEQUATE TO ALLOW FOR PROPER DRAINAGE.

INSPECTION AND WARRANTY

CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST FOR THE OWNER ACCEPTANCE INSPECTION OF ALL LANDSCAPE AND SITE IMPROVEMENTS.

CONTRACTOR IS RESPONSIBLE FOR ON-GOING MAINTENANCE OF ALL NEWLY INSTALLED MATERIALS UNTIL TIME OF OWNER ACCEPTANCE. ANY ACTS OF VANDALISM OR DAMAGE WHICH MAY OCCUR PRIOR TO OWNER ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL PROVIDE THE OWNER WITH A MAINTENANCE PROGRAM INCLUDING, BUT NOT NECESSARILY LIMITED TO, PRUNING, FERTILIZATION AND DISEASE / PEST CONTROL.

CONTRACTOR SHALL GUARANTEE NEW PLANT MATERIAL THROUGH ONE (1) CALENDAR YEAR FROM THE DATE OF OWNER ACCEPTANCE.

WARRANTY (ONE (1) FULL GROWING SEASON) FOR LANDSCAPE MATERIALS SHALL BEGIN ON THE DATE OF ACCEPTANCE BY THE LANDSCAPE ARCHITECT AFTER THE COMPLETION OF PLANTING OF ALL LANDSCAPE MATERIALS. NO PARTIAL ACCEPTANCE WILL BE CONSIDERED.

IRRIGATION/WATERING NOTES:

IRRIGATION IS NOT PLANNED FOR THIS SITE. FOR THE HEALTH AND SURVIVAL OF ALL PROPOSED PLANTINGS, REGULAR WATERING OF THE PLANTINGS IS RECOMMENDED.

FOR ESTABLISHMENT OF PLANTINGS, THE CONTRACTOR IS TO REGULARLY WATER NEWLY INSTALLED PLANTINGS DURING PROJECT CONSTRUCTION. CONTRACTOR TO PROVIDE OWNER WITH WATERING RECOMMENDATIONS OR WATERING CONTRACT FOR THE ONE (1) YEAR WARRANTY PERIOD.

GENERAL NOTES:

VERIFY LAYOUT AND ANY DIMENSIONS SHOWN AND BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT ANY DISCREPANCIES WHICH MAY COMPROMISE THE DESIGN AND / OR INTENT OF THE PROJECT'S LAYOUT.

ASSURE COMPLIANCE WITH ALL APPLICABLE CODES AND REGULATIONS GOVERNING THE WORK OR MATERIALS SUPPLIED.

CONTRACTOR SHALL PROTECT ALL EXISTING ROADS, CURBS / GUTTERS, TRAILS, TREES, LAWNS AND SITE ELEMENTS DURING PLANTING OPERATIONS. ANY DAMAGE TO SAME SHALL BE REPAIRED AT NO COST TO THE OWNER.

CONTRACTOR SHALL VERIFY ALIGNMENT AND LOCATION OF ALL UNDERGROUND AND ABOVE GRADE UTILITIES. CONTRACTOR TO PROVIDE THE NECESSARY PROTECTION FOR THE UTILITIES BEFORE CONSTRUCTION / MATERIAL INSTALLATION BEGINS. CONTRACTOR TO NOTIFY GENERAL CONTRACTOR OF ANY CONCERNS PRIOR TO INSTALLATION OF PLANTINGS.

EXISTING CONTOURS, TRAILS, VEGETATION, CURB / GUTTER AND OTHER EXISTING ELEMENTS BASED UPON INFORMATION SUPPLIED TO LANDSCAPE ARCHITECT BY OTHERS. CONTRACTOR SHALL VERIFY ANY AND ALL DISCREPANCIES PRIOR TO CONSTRUCTION AND NOTIFY LANDSCAPE ARCHITECT OF SAME.

THE ALIGNMENT AND GRADES OF THE PROPOSED WALKS, TRAILS AND / OR ROADWAYS ARE SUBJECT TO FIELD ADJUSTMENT REQUIRED TO CONFORM TO LOCALIZED TOPOGRAPHIC CONDITIONS AND TO MINIMIZE TREE REMOVAL AND GRADING. ANY CHANGE IN ALIGNMENT MUST BE APPROVED BY LANDSCAPE ARCHITECT.

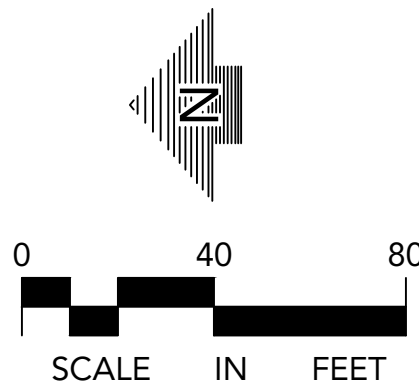


CALL BEFORE YOU DIG!
Gopher State One Call
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND / OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.



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Douglas D. Loken - LA
License No. 45591
Date 05/27/25

QUALITY CONTROL

Loucks Project No.	23026C
Project Lead	PJD
Drawn By	DDL
Checked By	PJD
Review Date	05/27/25

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LANDSCAPE
PLAN

L1-1