

# CITY OF MARSHALL, MINNESOTA

## CONSTRUCTION PLANS FOR

# LEGION ROAD FLOOD MITIGATION - PHASE 3

### POND GRADING, DITCH GRADING, STORM SEWER

MARCH, 2024

**RESOURCE LIST**

**CITY OF MARSHALL**  
 CITY HALL  
 344 W MAIN ST  
 MARSHALL, MN 56258  
 507-537-6760

**CITY ADMINISTRATOR:**  
 SHARON HANSON

**DIRECTOR OF PUBLIC WORKS/CITY ENGINEER**  
 JASON ANDERSON  
 507-537-6051

**WASTEWATER SUPERINTENDENT**  
 SCOTT TRUEDSON

**WATER OPERATIONS MANAGER**  
 JEFF LARSON

**ELECTRICAL OPERATIONS MANAGER**  
 TONY MEAD

**PUBLIC WAYS SUPERINTENDENT:**  
 DEAN COUDRON

**SPECIFICATION REFERENCE**

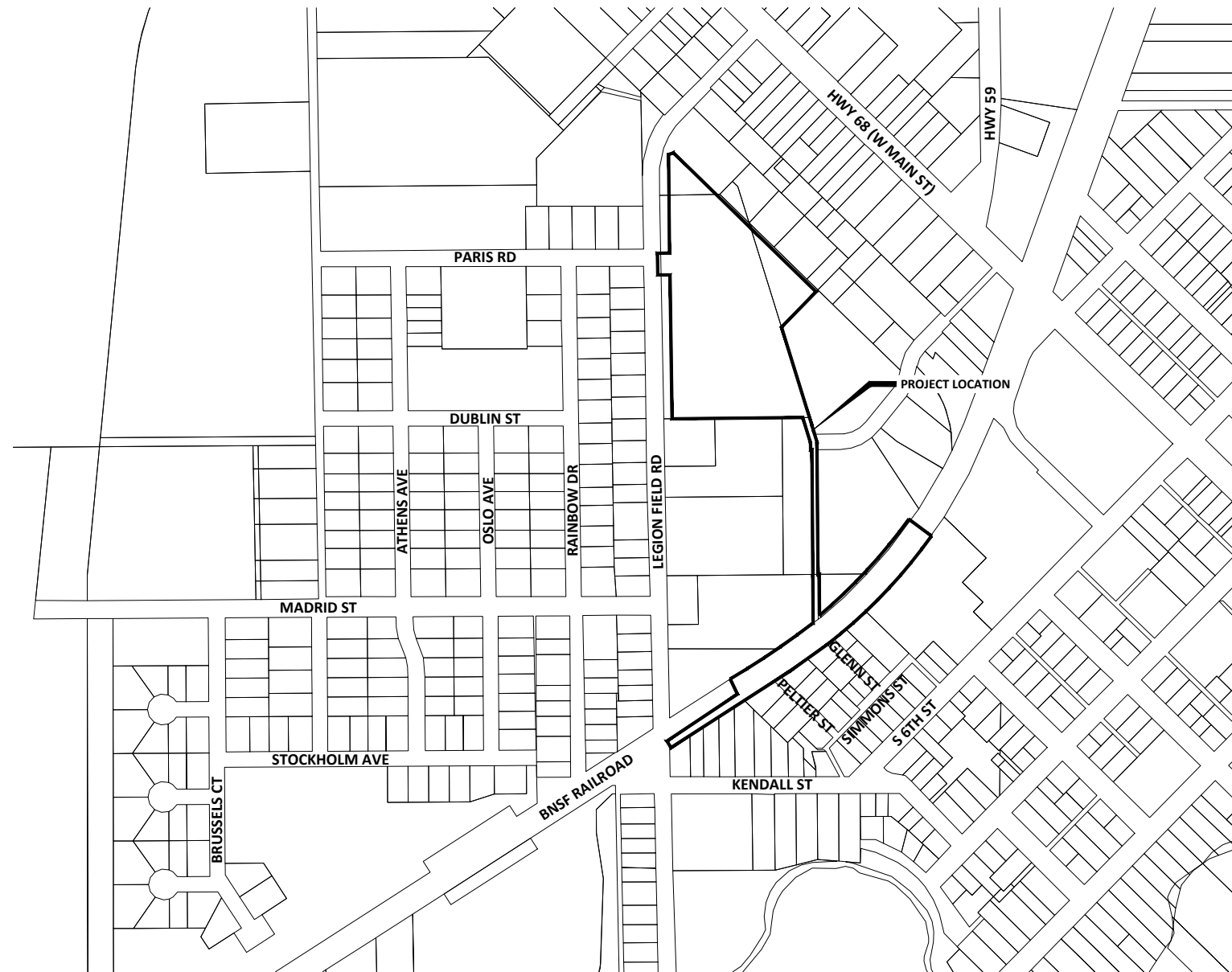
THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE "SUPPLEMENTAL SPECIFICATIONS" DATED SEPTEMBER 2022 SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

THE CITY OF MARSHALL STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY GOPHER STATE ONE CALL, 1-800-252-1166 OR 651-454-0002.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D UNLESS OTHERWISE NOTED. THIS UTILITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."



**MAP LEGEND**

— PROJECT LIMITS

SHEET NUMBER	SHEET TITLE
1	TITLE SHEET
2 - 3	LEGEND & GENERAL NOTES
4	LOCATION SHEET
5	EXISTING CONDITIONS & REMOVALS
6 - 8	DETAILS
9 - 12	STORM WATER POLLUTION PREVENTION PLAN
13	POND GRADING PLAN
14 - 16	STORM SEWER PLAN & PROFILE
17 - 20	DITCH PLAN & PROFILE
21 - 23	CROSS SECTION

THIS PLAN SET CONTAINS 23 SHEETS.

PARTIAL MAP OF THE  
 CITY OF MARSHALL  
 LYON COUNTY, MN



REVIEWED & APPROVED \_\_\_\_\_ CITY ENGINEER DATE: \_\_\_\_\_

⚡ BM=1164.07 GSID #86047 AT THE JUNCTION OF TH 59 & TH 68 IN MARSHALL	PROJECT DATUM: LYON COUNTY COORDINATES	RECORD DRAWING INFORMATION
	HORIZONTAL: NAD83 VERTICAL: NAVD88	OBSERVER: _____ CONTRACTOR: _____ DATE: _____

CITY OF MARSHALL, MINNESOTA  
 LEGION ROAD FLOOD MITIGATION - PHASE 3

TITLE SHEET

SHEET  
 1  
 OF  
 23

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.  
**95% PLAN SET**  
 SHANE T. TRAUICH, P.E.  
 LIC. NO. 57836 DATE 03/20/2025

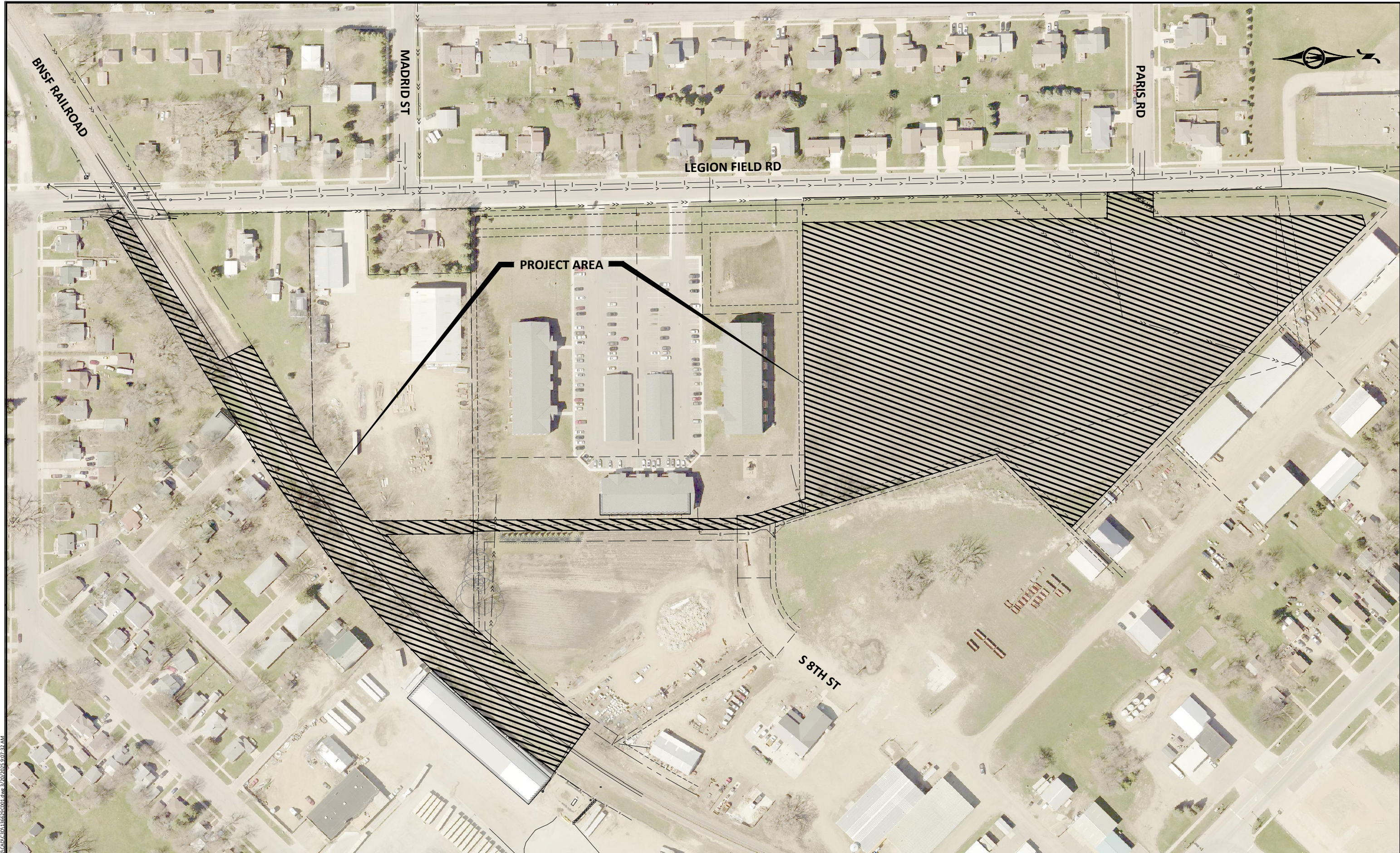


1243 CEDAR STREET NE  
 SLEEPY EYE, MINNESOTA 56085  
 Phone: (507) 794-5541  
 Email: SleepyEye@bolton-menk.com  
 www.bolton-menk.com

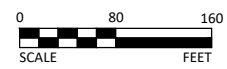


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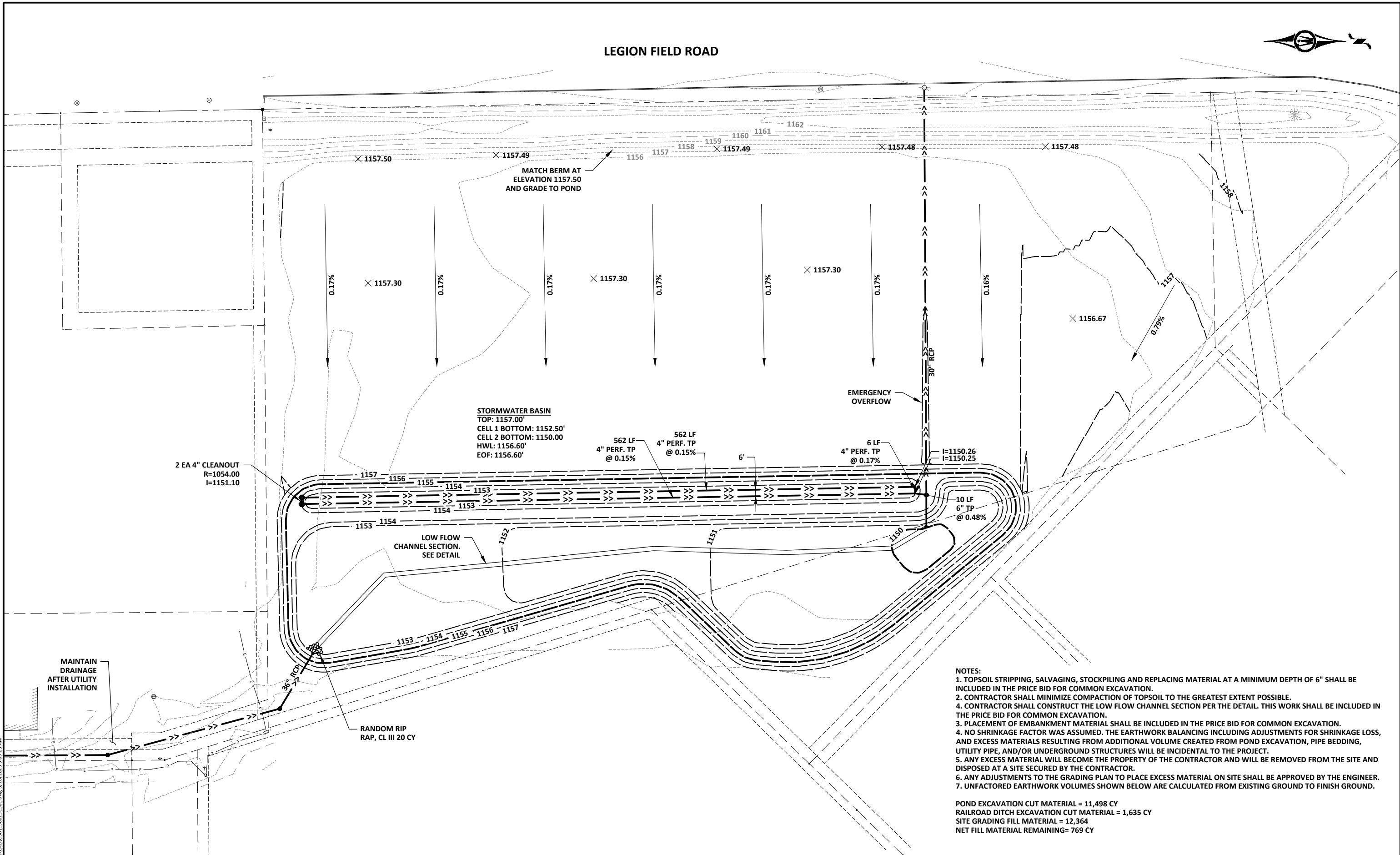
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CITY OF MARSHALL, MINNESOTA  
 LEGION ROAD FLOOD MITIGATION - PHASE 3

LOCATION SHEET

SHEET 4 OF 23

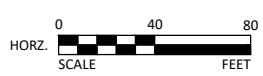
LEGION FIELD ROAD



- NOTES:**
1. TOPSOIL STRIPPING, SALVAGING, STOCKPILING AND REPLACING MATERIAL AT A MINIMUM DEPTH OF 6" SHALL BE INCLUDED IN THE PRICE BID FOR COMMON EXCAVATION.
  2. CONTRACTOR SHALL MINIMIZE COMPACTION OF TOPSOIL TO THE GREATEST EXTENT POSSIBLE.
  3. CONTRACTOR SHALL CONSTRUCT THE LOW FLOW CHANNEL SECTION PER THE DETAIL. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR COMMON EXCAVATION.
  4. CONTRACTOR SHALL CONSTRUCT THE LOW FLOW CHANNEL SECTION PER THE DETAIL. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR COMMON EXCAVATION.
  5. NO SHRINKAGE FACTOR WAS ASSUMED. THE EARTHWORK BALANCING INCLUDING ADJUSTMENTS FOR SHRINKAGE LOSS, AND EXCESS MATERIALS RESULTING FROM ADDITIONAL VOLUME CREATED FROM POND EXCAVATION, PIPE BEDDING, UTILITY PIPE, AND/OR UNDERGROUND STRUCTURES WILL BE INCIDENTAL TO THE PROJECT.
  6. ANY EXCESS MATERIAL WILL BECOME THE PROPERTY OF THE CONTRACTOR AND WILL BE REMOVED FROM THE SITE AND DISPOSED AT A SITE SECURED BY THE CONTRACTOR.
  7. ANY ADJUSTMENTS TO THE GRADING PLAN TO PLACE EXCESS MATERIAL ON SITE SHALL BE APPROVED BY THE ENGINEER.
  8. UNFACTORED EARTHWORK VOLUMES SHOWN BELOW ARE CALCULATED FROM EXISTING GROUND TO FINISH GROUND.

POND EXCAVATION CUT MATERIAL = 11,498 CY  
 RAILROAD DITCH EXCAVATION CUT MATERIAL = 1,635 CY  
 SITE GRADING FILL MATERIAL = 12,364  
 NET FILL MATERIAL REMAINING= 769 CY

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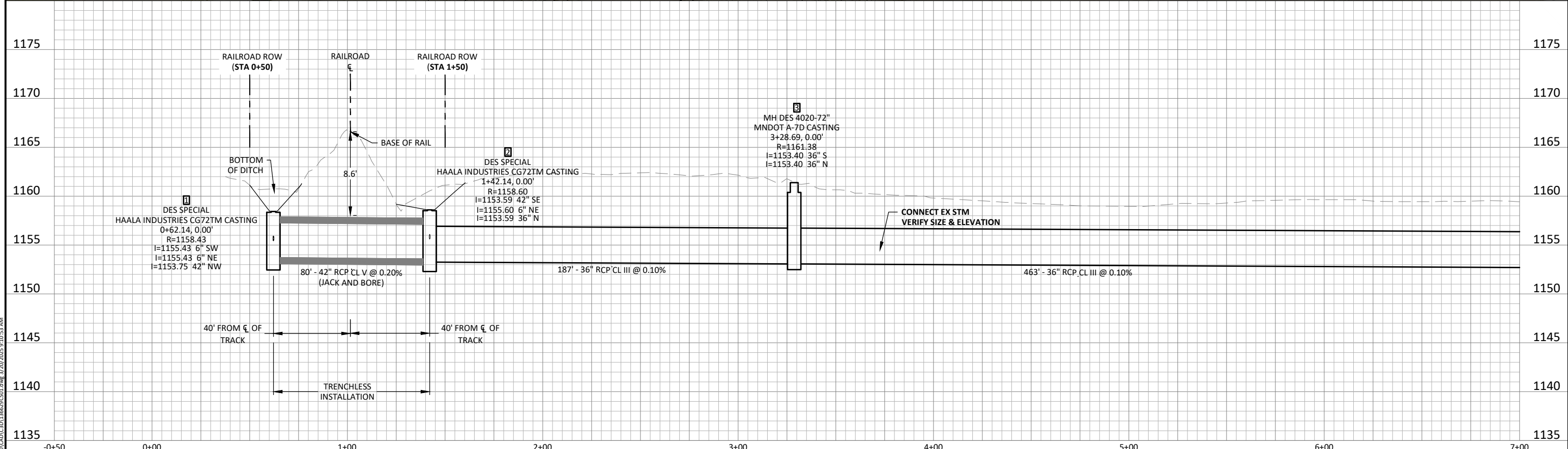
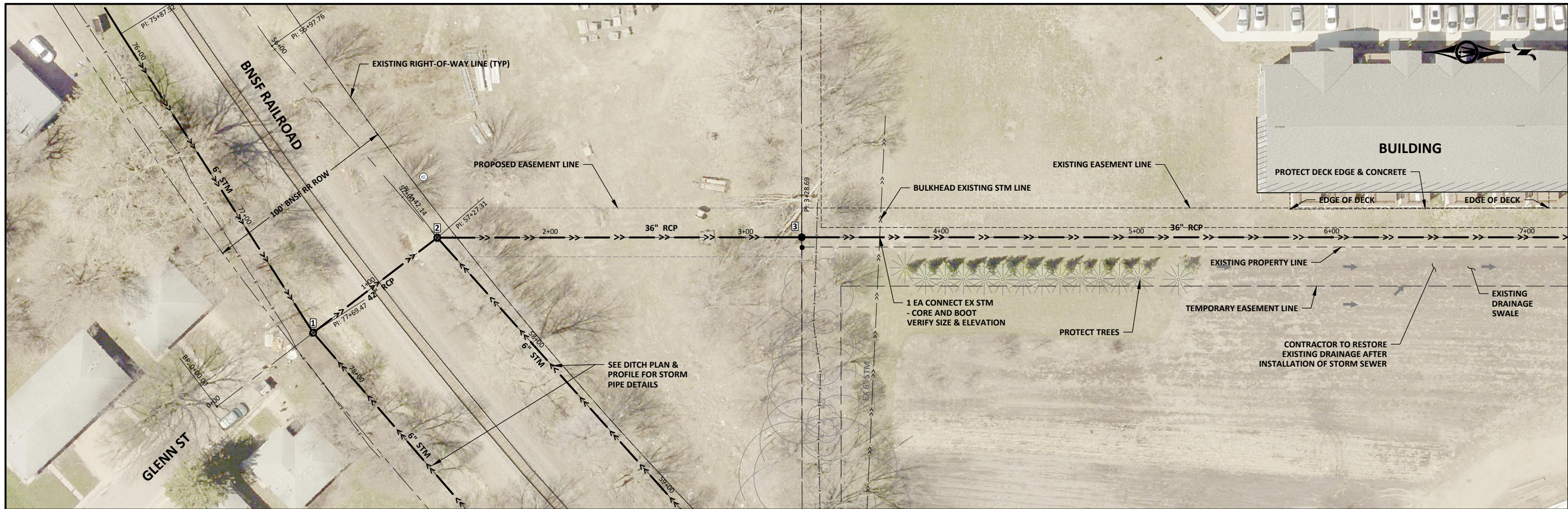
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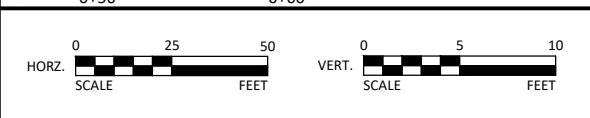
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CITY OF MARSHALL, MINNESOTA  
 LEGION ROAD FLOOD MITIGATION - PHASE 3  
**POND GRADING PLAN**

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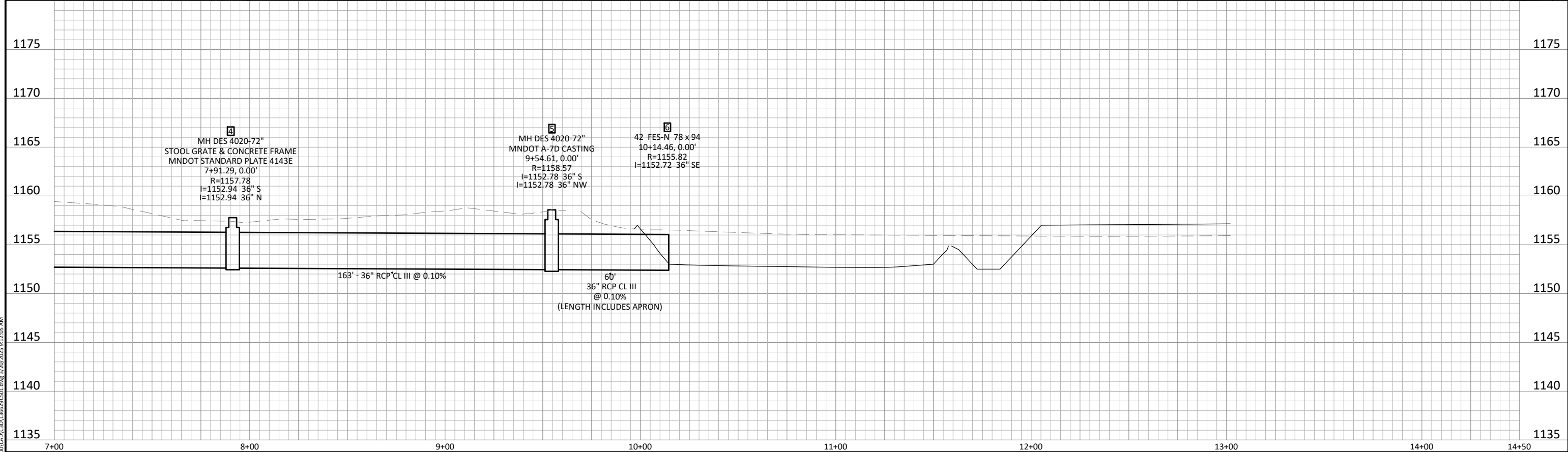
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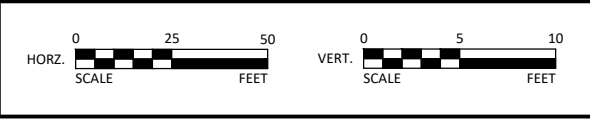
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CITY OF MARSHALL, MINNESOTA  
 LEGION ROAD FLOOD MITIGATION - PHASE 3  
**STORM SEWER PLAN & PROFILE**

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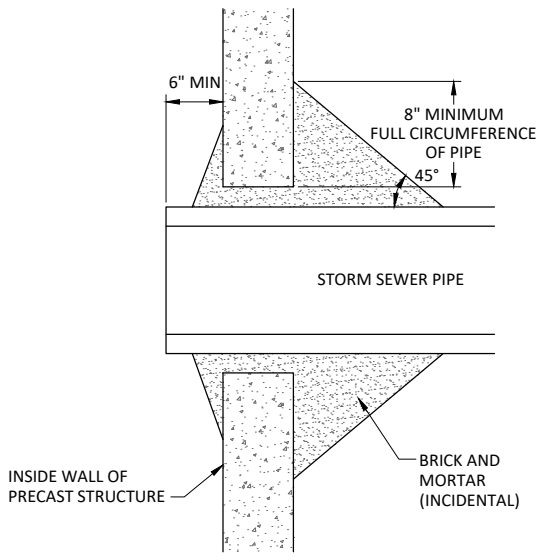
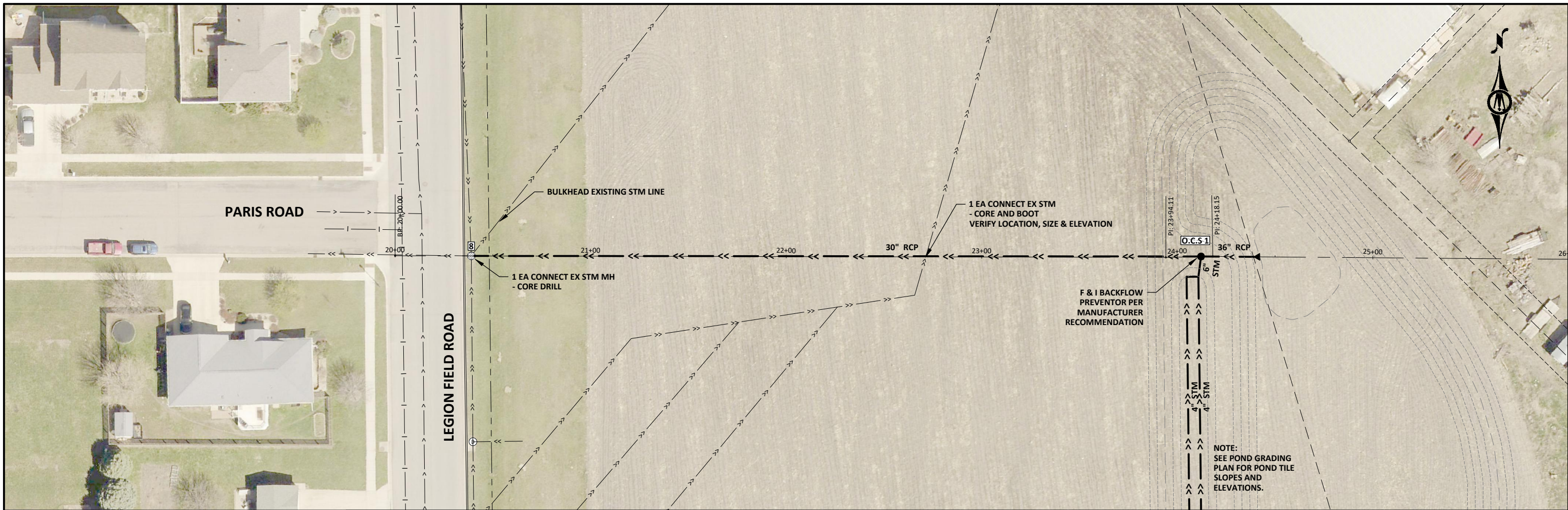
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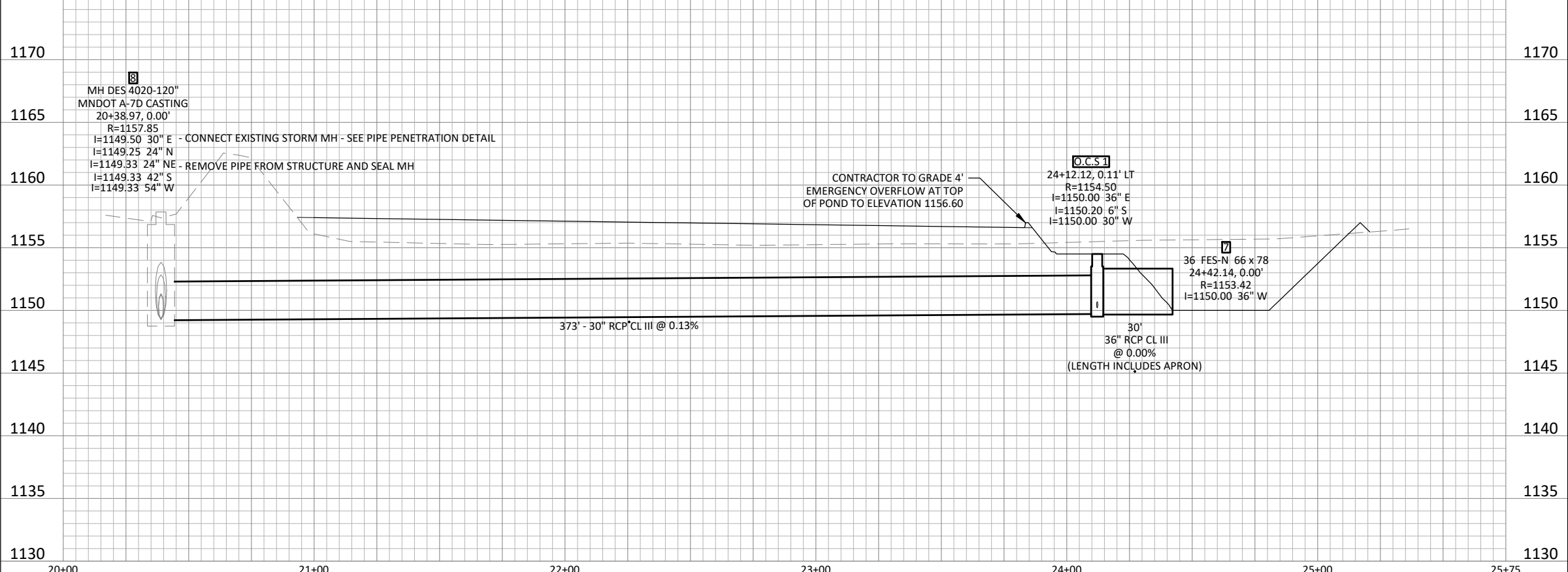
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 LEGION ROAD FLOOD MITIGATION - PHASE 3  
 STORM SEWER PLAN & PROFILE  
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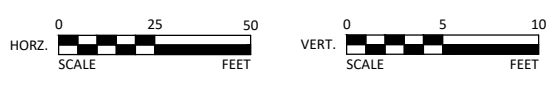
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**DRAINAGE STRUCTURE PIPE PENETRATION DETAIL**  
NOT TO SCALE



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**STORM SEWER PLAN & PROFILE**  
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