

SHEET INDEX

PROJECT: 25-04
DATE: JUNE 2025

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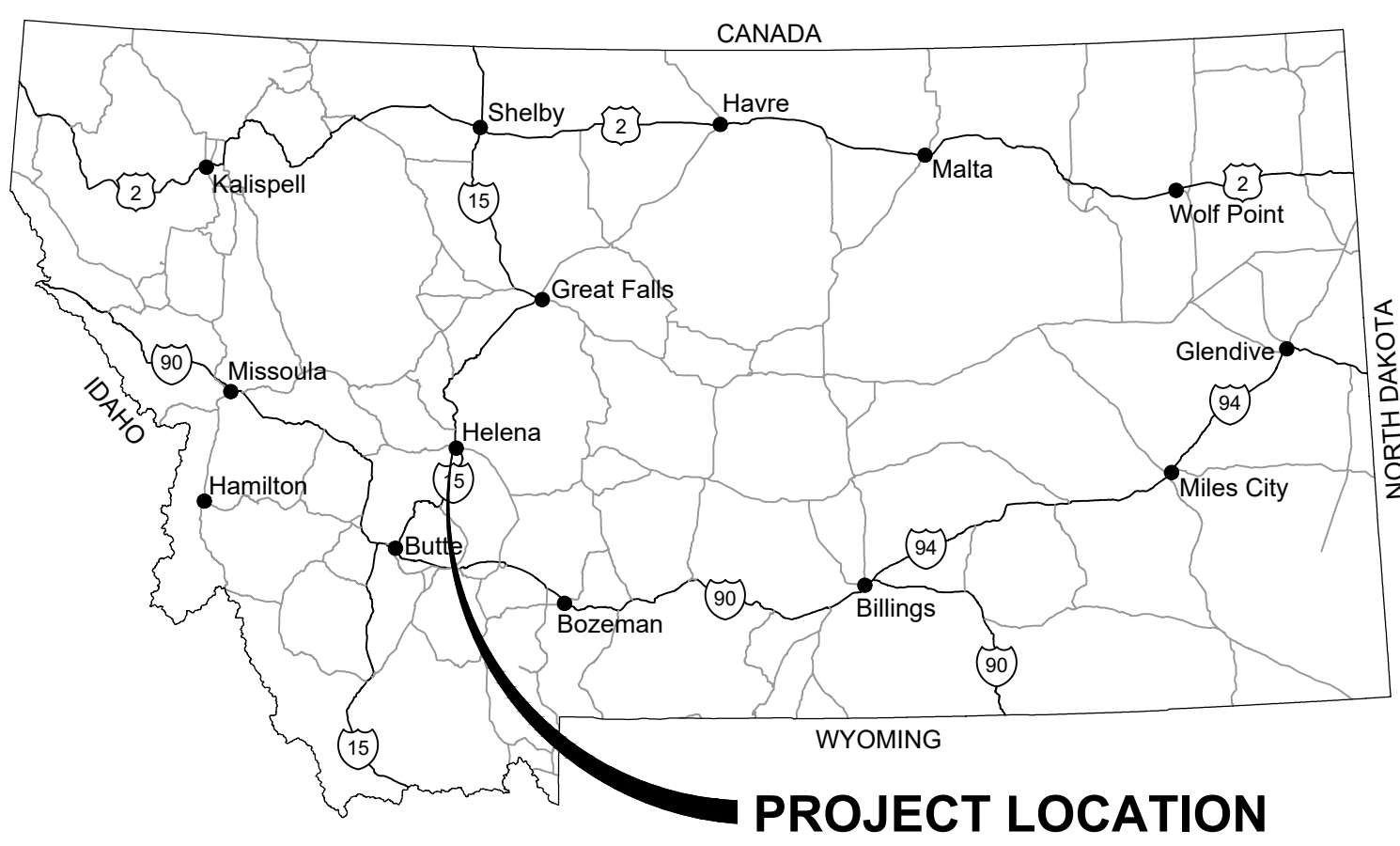
SHEET 5
- COVER

NOTES - LEGEND

EXISTING INLET DEMOLITION DETAIL

18" RCP STA. 0+00 to 0+94

96" MANHOLE INSTALLATION DETAIL



MONTANA
STATE MAP



PLANS REVIEWED BY:

- RYAN LELAND, P.E.

CITY OF HELENA - PUBLIC WORKS DIRECTOR
- JAMIE CLARK, P.E.

CITY OF HELENA - CITY ENGINEER
- TRENT SCHEUER

UTILITY MAINTENANCE SUPERINTENDENT

CITY OF HELENA PROJECT #25-04
BROADWAY STORM SEWER

VICINITY MAP



CITY OF HELENA VICINITY MAP
NOT TO SCALE

APPROVED BY:

JAMIE CLARK, P.E.
CITY OF HELENA - CITY ENGINEER

QA/QC BY:

JAMIE CLARK, PE
CITY ENGINEER

PLANS PREPARED BY:

NAME: AMJ

GENERAL PROJECT NOTES:

1. CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS FOR CONSTRUCTION, DEWATERING AND STORMWATER DISCHARGES AT THEIR OWN EXPENSE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR USE OF STORM WATER BEST MANAGEMENT PRACTICES (BMPS) TO CONTROL STORMWATER RUNOFF AND RUNON TO EACH PROJECT AREA. BMPS SHALL BE IMPLEMENTED FOR ANY STORMWATER COLLECTED PRIOR TO ANY DISCHARGE TO THE MUNICIPAL STORM SEWER SYSTEM.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DUST CONTROL DURING CONSTRUCTION.
4. THE LATEST EDITION OF THE CITY OF HELENA ENGINEERING AND DESIGN STANDARDS AND THE MONTANA PUBLIC WORKS STANDARDS (IN THAT ORDER) SHALL APPLY IN THE CASE OF ANY APPLICABLE CLARIFICATION OR INTERPRETATION OF THE PROJECT DRAWINGS OR SPECIFICATIONS.
5. WHEN WORKING NEAR AND/OR EXPOSING EXISTING UTILITIES AND SERVICE LINES, WORKERS SHALL UTILIZE HAND-DIGGING METHODS IN ORDER TO AVOID DAMAGE TO THOSE UTILITIES. IF DAMAGE OCCURS, THE COST OF REPAIR WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
6. THE OWNER AND ALL AFFECTED RESIDENTS SHALL BE NOTIFIED NO LATER THAN ONE WEEK PRIOR TO CONSTRUCTION THAT WILL IMPACT ACCESSIBILITY TO THEIR PROPERTY, PARKING OR SERVICES.
7. ALL ASPHALT, CONCRETE, CURB AND GUTTER LANDSCAPING THAT IS DEMOLISHED OR REMOVED UNDER THIS AGREEMENT SHALL BE PROPERLY DISPOSED OF AND ALL COSTS THEREOF SHALL BE BORNE BY THE CONTRACTOR.
8. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO DEMOLITION, INSTALLATION OR PLANTING OPERATIONS. ANY DAMAGE TO OR RESULTING FROM ENCOUNTERING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
9. ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE RETURNED TO THEIR PRE-CONSTRUCTION CONDITION AT THE SOLE EXPENSE OF THE CONTRACTOR.
10. A PORTION OF THE PROJECT INVOLVES THE REMOVAL AND INSTALLATION OF INFRASTRUCTURE WITHIN THE TRAVELED RIGHT-OF-WAY. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL MEASURES NECESSARY TO ASSURE SAFE AND EFFICIENT FLOW OF VEHICULAR AND PEDESTRIAN TRAFFIC THROUGH THE CONSTRUCTION AREA(S).
11. A NEAT, VERTICAL SAWCUT SHALL BE MADE 1' FROM EACH SIDE OF THE TRENCH WHEREVER ASPHALT, CONCRETE, SIDEWALK OR CURB AND GUTTER REMOVAL ABUTS EXISTING INFRASTRUCTURE TO REMAIN.
12. DISPOSE OF ALL EXCAVATED SOIL, DEBRIS, ASPHALT, AND CONCRETE OFF THE PROJECT SITE AND IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

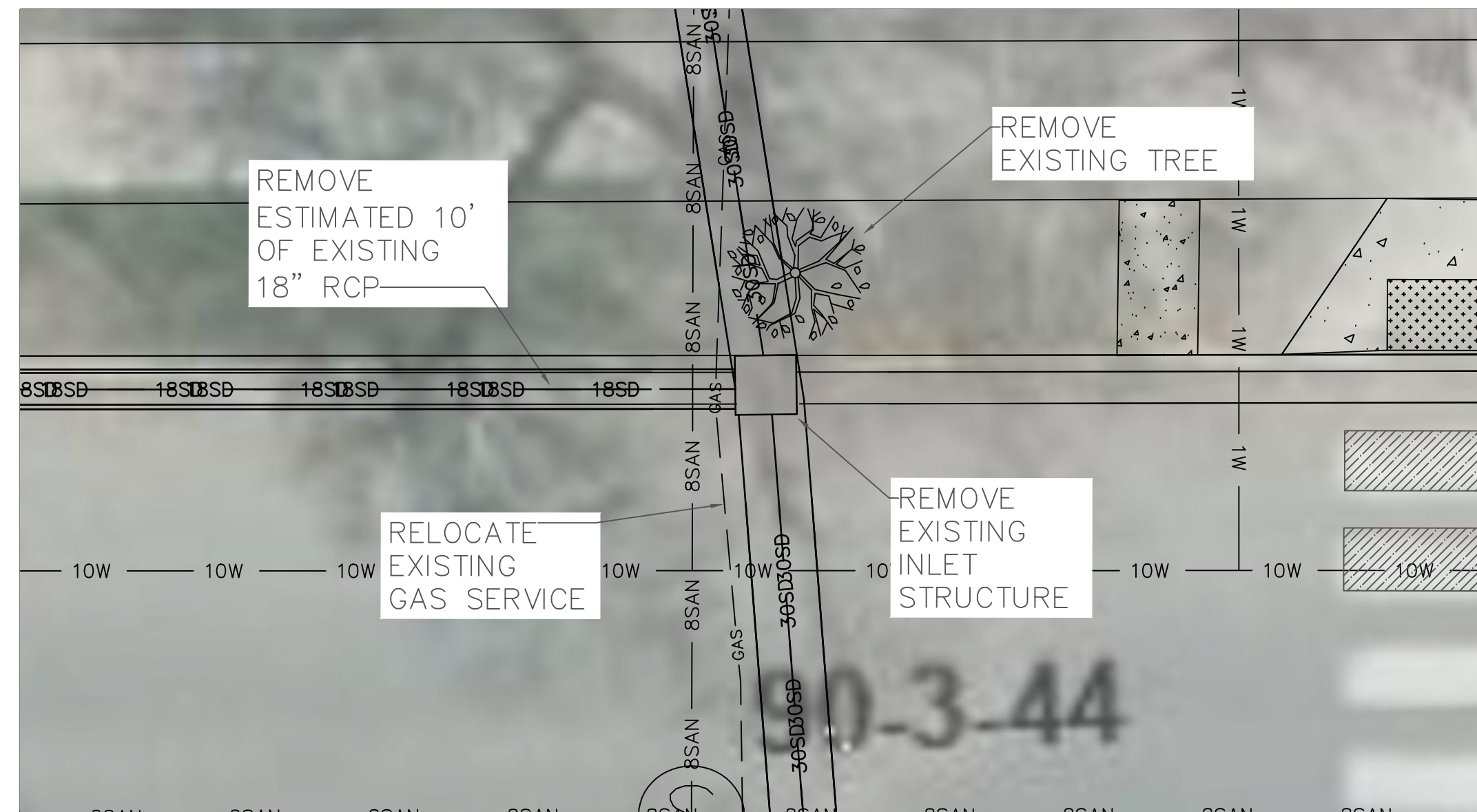
PROJECT UTILITY NOTES:

1. BEFORE BEGINNING ANY EXCAVATION, THE CONTRACTOR SHALL NOTIFY, THROUGH ONE-CALL NOTIFICATION CENTER, ALL OWNERS OF UNDERGROUND FACILITIES IN THE AREA OF THE PROPOSED EXCAVATION. THE PHONE NUMBER IS: **1-800-424-5555**.
2. AFTER AN OWNER OF AN UNDERGROUND FACILITY HAS LOCATED AND MARKED THE UNDERGROUND FACILITIES, THE CONTRACTOR SHALL DETERMINE IF WEATHER, TIME OR OTHER FACTORS MAY HAVE AFFECTED LOCATION MARKS, WARRANTING RELOCATION OF THE UTILITIES.
3. IF EXCAVATION HAS NOT OCCURRED WITHIN 30 DAYS OF THE LOCATE AND MARK, THE CONTRACTOR SHALL REQUEST THAT THE FACILITY BE RELOCATED AND REMARKED BEFORE EXCAVATING UNLESS OTHER ARRANGEMENTS HAVE BEEN MADE WITH THE UNDERGROUND FACILITY OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH RELOCATING AND REMARKING A FACILITY THAT IS NOT EXCAVATED WITHIN 30 DAYS OF THE LOCATE AND MARK.
4. THE CONTRACTOR MAY NOT BEGIN EXCAVATION BEFORE THE LOCATING AND MARKING IS COMPLETE OR BEFORE THE CONTRACTOR IS NOTIFIED THAT LOCATING AND MARKING IS UNNECESSARY.
5. THE CONTRACTOR SHALL LOCATE AND MARK THE AREA TO BE EXCAVATED IF REQUESTED BY THE UNDERGROUND FACILITY OWNER OR THEIR REPRESENTATIVE. IF THE CONTRACTOR DISCOVERS AN UNDERGROUND FACILITY THAT HAS NOT BEEN LOCATED AND MARKED, THE CONTRACTOR SHALL STOP EXCAVATING IN THE VICINITY OF THE FACILITY AND NOTIFY THE FACILITY OWNER OR THE ONE-CALL NOTIFICATION CENTER. IF THIS OCCURS, THE CONTRACTOR SHALL PROCEED WITH OTHER ELEMENTS OF THE PROJECT, AT NO COST TO THE PROJECT OWNER, UNTIL THE UNDERGROUND FACILITY OWNER HAS NOTIFIED THE CONTRACTOR THAT EXCAVATION CAN PROCEED.
6. NO SUBSURFACE EXCAVATION HAS BEEN COMPLETED TO DETERMINE ACCURACY OF UTILITY LOCATIONS, EXACT LOCATION MAY VARY. IT IS THE OBLIGATION OF THE CONTRACTOR TO REPAIR ANY DAMAGED UTILITIES.
7. IT IS THE CONTRACTORS OBLIGATION TO VERIFY ALL MATERIAL DEPTHS PRIOR TO ORDERING MATERIALS, OWNER WILL NOT BE HELD ACCOUNTABLE FOR INCORRECT MANHOLE HEIGHTS.

PROJECT PLANS LEGEND/KEY:

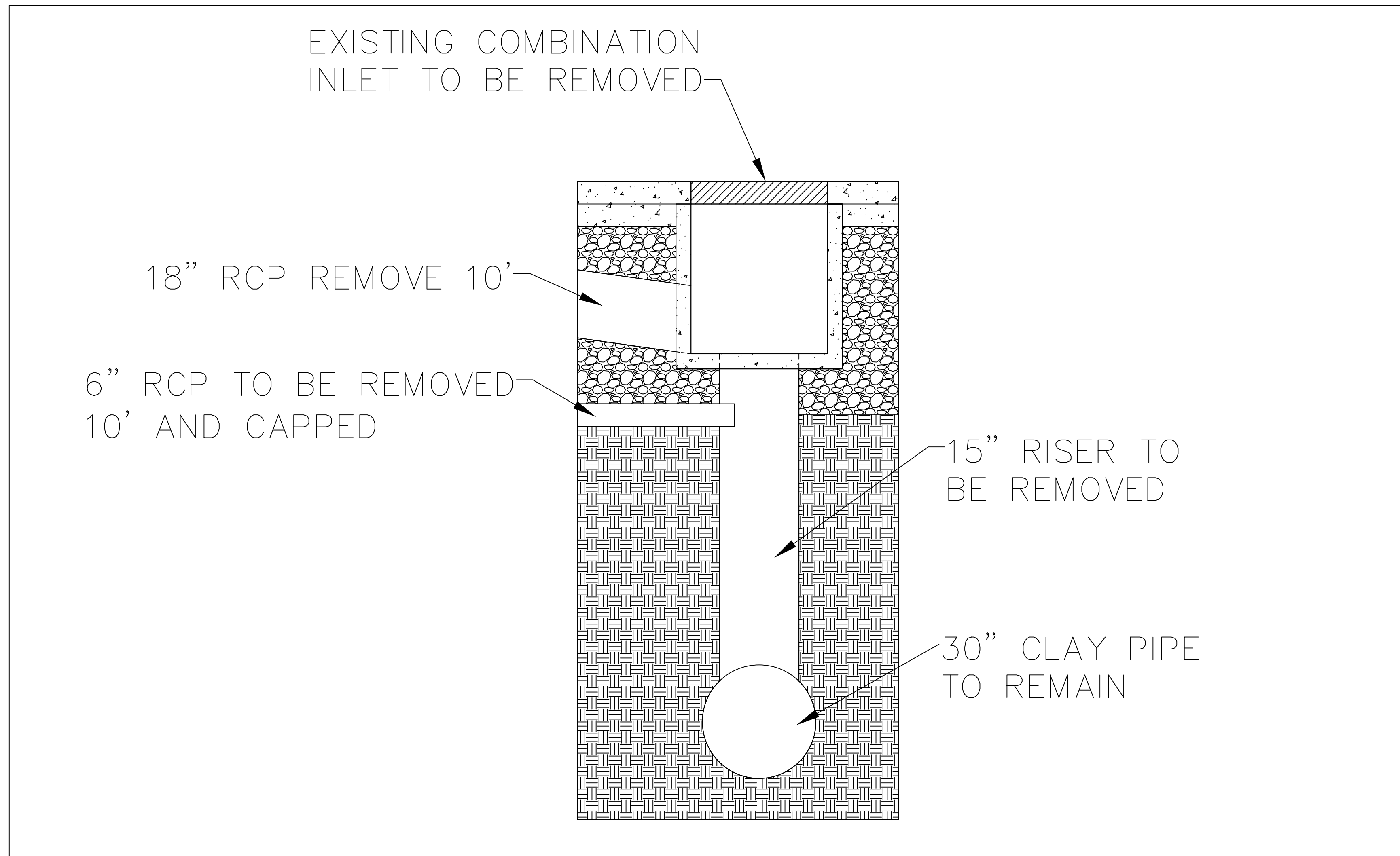
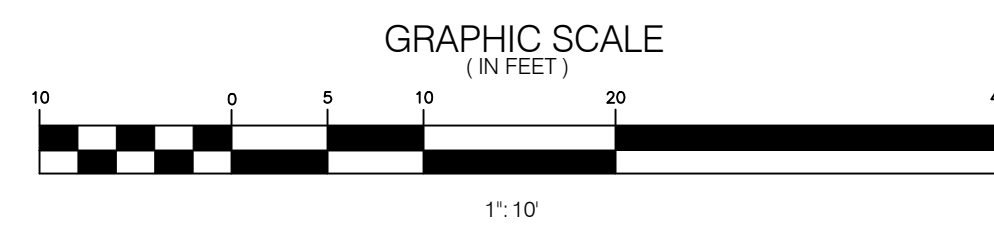
- EXISTING UNDERGROUND GAS
- PROPOSED 1" INCH WATER SERVICE LINE
- EXISTING 6" WATER MAIN
- EXISTING 10" WATER MAIN
- EXISTING 16" WATER MAIN
- EXISTING WATER VALVE (SIZE VARIES)
- EXISTING FIRE HYDRANT
- EXISTING 48 INCH SEWER MANHOLE
- EXISTING 8 INCH SANITARY SEWER MAIN
- EXISTING 4 INCH SANITARY SEWER SERVICE
- EXISTING 30" STORM SEWER
- EXISTING 18" STORM SEWER
- EXISTING STORM INLET (SIZES VARY)
- EXISTING CURBLINE
- PROPOSED 18" STORM SEWER
- PROPOSED 96" STORM MANHOLE
- PROPOSED 48" STORM MANHOLE

REVISION DESCRIPTION		FINAL									
NO.											
PROJECT: #25-04	DESIGNED: AMJ	DRAWN: AMJ	CHECKED: RCL	APPROVED: RCL	DATE: JUNE 2025						
CITY OF HELENA PROJECT #25-04 BROADWAY STORM SEWER PROJECT PROJECT NOTES/KEY AND DETAILS											
SHEET NO. 2 OF 5											



BROADWAY STORM DRAIN INLET DEMOLITION PLAN

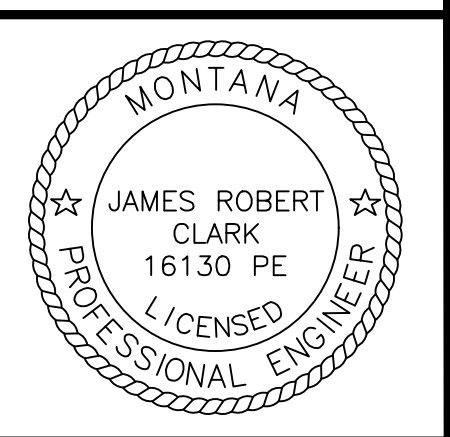
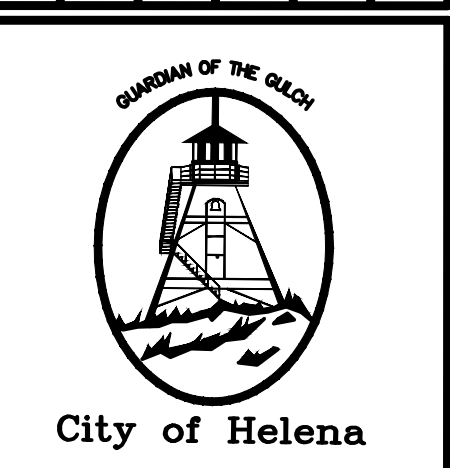
SCALE 1" = 10'



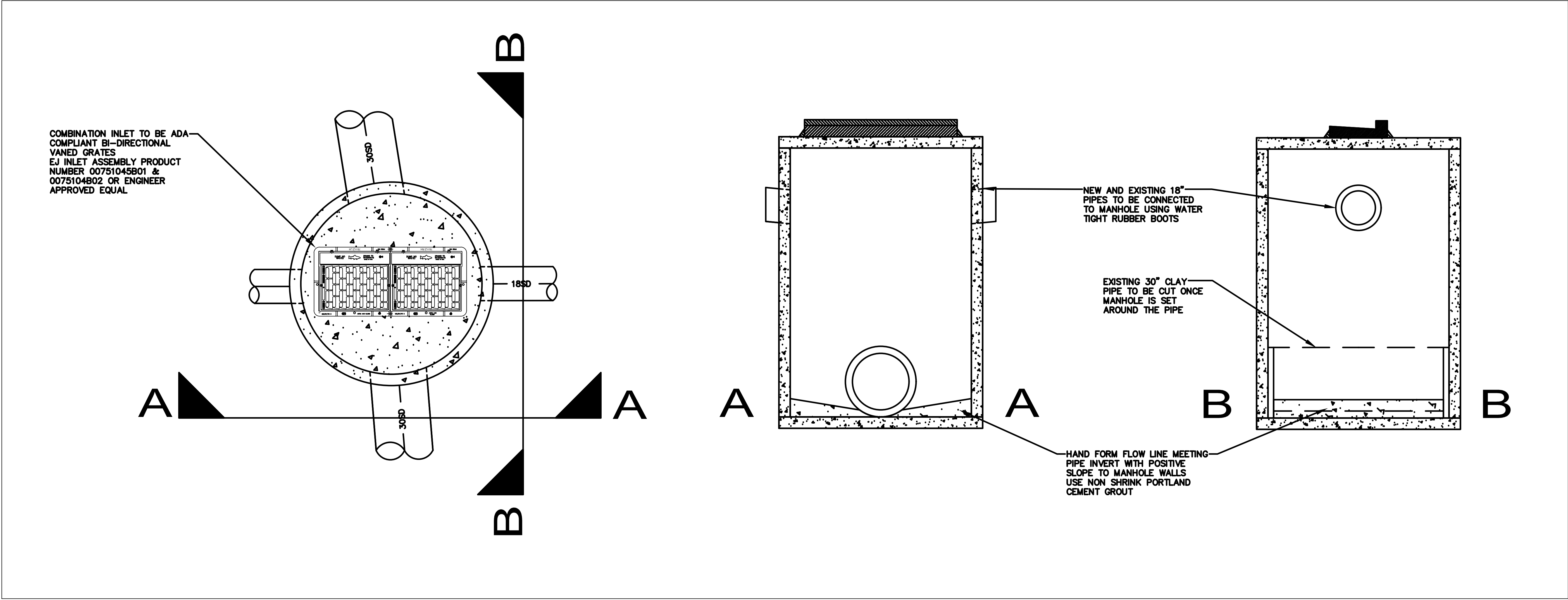
EXISTING STORM DRAIN INLET DEMOLITION DETAIL

SCALE: N.T.S

REVISION DESCRIPTION	
NO.	1
PROJECT: #25-04	DESIGNED: AMJ
	DRAWN: AMJ
	CHECKED: RCL
	APPROVED: RCL
	DATE: JUNE 2025



CITY OF HELENA PROJECT #25-04
BROADWAY STORM SEWER PROJECT
EXISTING INLET DEMOLITION PLAN



96" MANHOLE INSTILLATION DETAIL

SCALE: N.T.S

REVISION DESCRIPTION		NO.			
FINAL		1			
PROJECT: #25-04		DESIGNED: AMJ			
DRAWN: AMJ		CHECKED: RCL			
APPROVED: RCL		DATE: JUNE 2025			
 GUARDIAN OF THE GUILD City of Helena					
 MONTANA JAMES ROBERT CLARK 16130 PE LICENSED PROFESSIONAL ENGINEER					
CITY OF HELENA PROJECT #25-04 BROADWAY STORM SEWER PROJECT 96" MANHOLE INSTILLATION DETAIL					
SHEET NO. 5 OF 5					