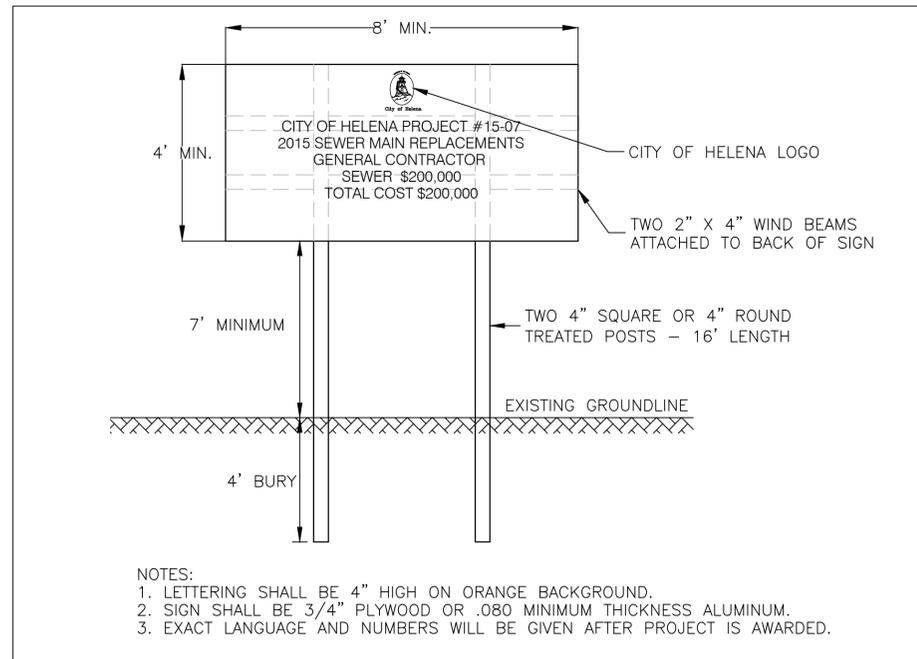


GENERAL PROJECT NOTES:

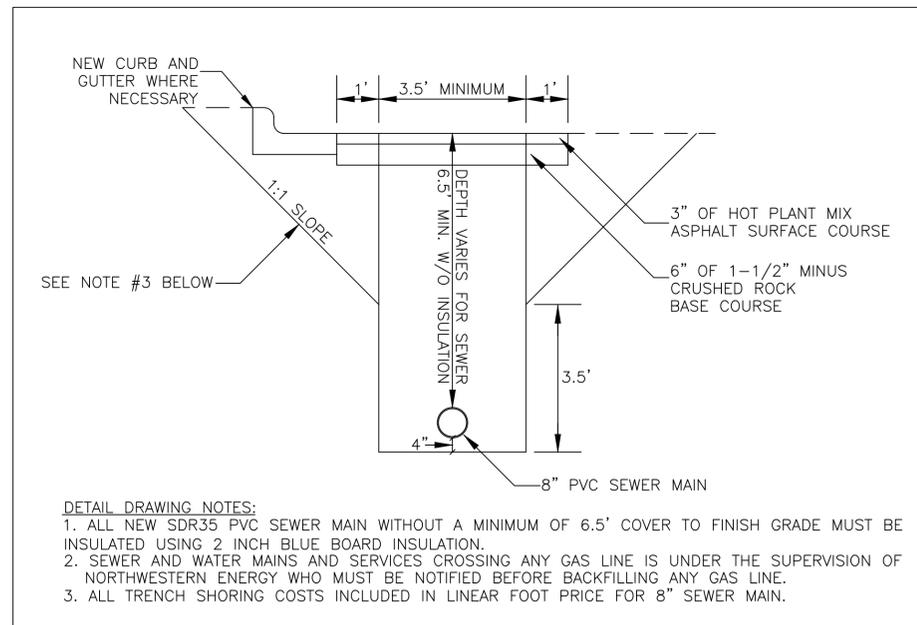
1. CONTRACTOR TO OBTAIN ALL REQUIRED PERMITS FOR CONSTRUCTION, DEWATERING AND STORMWATER DISCHARGES AT THEIR OWN EXPENSE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR USE OF STORM WATER BEST MANAGEMENT PRACTICES (BMPs) TO CONTROL STORMWATER RUNOFF AND RUNON TO EACH PROJECT AREA. BMPs SHALL BE IMPLEMENTED FOR 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 AND CURB AND GUTTER 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 WHEREVER ASPHALT, CONCRETE, SIDEWALK OR CURB AND GUTTER REMOVAL ABUTS EXISTING INFRASTRUCTURE TO REMAIN.
12. SEWER BYPASS PUMPING IS NOT PAID FOR AS A SEPARATE BID ITEM UNLESS NOTED ON THE BID SHEETS. SEWER BYPASS PUMPING IS CONSIDERED INCIDENTAL TO THE WORK IN ALL LOCATIONS AND SEPARATE PAYMENT WILL NOT BE MADE FOR PUMPING IF NEEDED.
13. 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. THE ENGINEER HAS OBTAINED UNDERGROUND UTILITY INFORMATION FROM OWNERS OF THE UNDERGROUND UTILITIES AND HAS INCLUDED THAT INFORMATION AS PART OF THESE PLANS. THIS UTILITY LOCATION INFORMATION IS APPROXIMATE AND MAY BE INCOMPLETE OR INACCURATE.
2. 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**.
3. 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.
4. 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.
5. 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.
6. 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.



4' X 8' PROJECT INFORMATIONAL SIGN DETAIL
SCALE : NOT TO SCALE

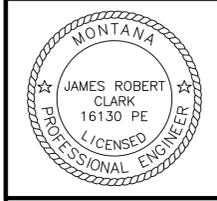


UTILITY TRENCH DETAIL
SCALE : NOT TO SCALE

PROJECT PLANS LEGEND/KEY:

- 4235.00 — EXISTING MAJOR TOPOGRAPHIC LINE (5' INTERVAL)
- - - - - EXISTING MINOR TOPOGRAPHIC LINE (1' INTERVAL)
- ===== EXISTING CURB AND GUTTER
- ===== EXISTING EDGE OF CONCRETE OR PAVEMENT
- ===== EXISTING EDGE OF GRAVEL ROAD SURFACE
- ===== EXISTING BUILDING
- EXISTING FENCE (TYPE VARIES)
- ☉ EXISTING UTILITY POLE
- ☀ EXISTING LIGHT POLE
- EXISTING OVERHEAD UTILITY
- UGE—UGE— EXISTING UNDERGROUND ELECTRICAL
- GAS—GAS— EXISTING NATURAL GAS MAIN (SIZE UNKNOWN)
- 12SD—12SD— EXISTING 12 INCH DIAMETER RCP STORM SEWER
- 18SD—18SD— EXISTING 18 INCH DIAMETER RCP STORM SEWER
- 24SD—24SD— EXISTING 24 INCH DIAMETER RCP STORM SEWER
- 30SD—30SD— EXISTING 30 INCH DIAMETER RCP STORM SEWER
- 36SD—36SD— EXISTING 36 INCH DIAMETER RCP STORM SEWER
- ⊞ EXISTING STORM SEWER INLET
- ===== EXISTING VALLEY GUTTER
- 4W—4W— EXISTING 4 INCH DIAMETER CI WATER MAIN
- 6W—6W— EXISTING 6 INCH DIAMETER DI/CI WATER MAIN
- 12W—12W— EXISTING 12 INCH DIAMETER DI WATER MAIN
- WS—WS— EXISTING WATER SERVICE LINE (SIZE VARIES)
- ⊞ EXISTING WATER VALVE AND VALVE RISER BOX
- ☀ EXISTING FIRE HYDRANT
- ⊞ EXISTING RESIDENTIAL IRRIGATION WELL
- 6SAN—6SAN— EXISTING 6 INCH VCP SEWER MAIN
- 8SAN—8SAN— EXISTING 8 INCH SEWER MAIN
- 6SAN—6SAN— EXISTING 6 INCH SEWER SERVICE
- 4SAN—4SAN— EXISTING 4 INCH SEWER SERVICE
- ⊞ EXISTING 48" DIAMETER MANHOLE TO REMAIN
- 8SAN—8SAN— NEW 8" SDR35 PVC SEWER MAIN
- ⊞ NEW 48" DIAMETER MANHOLE
- ⊞ NEW 60" DIAMETER MANHOLE
- 4SAN—4SAN— NEW 4 INCH SEWER SERVICE LINE EXTENSION
- 6SAN—6SAN— NEW 6 INCH SEWER SERVICE LINE EXTENSION

| NO. | REVISION DESCRIPTION | BY | DATE |
|-----|----------------------|-----|------|
| 1 | | JRC | 4/15 |
| 2 | | JRC | 8/15 |
| | | | |
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CITY OF HELENA PROJECT #15-07
2015 SANITARY SEWER
REPLACEMENT PROJECT
DETAILS, LEGEND AND NOTES