

**ADDENDUM NO. TWO**  
**REQUEST FOR PROPOSALS**

**WES BROWN PAC FACILITY AND LAGOON DISCHARGE  
IMPROVEMENTS PROJECT**

**PROJECT NO. 24-147.149**

**CITY OF THORNTON, CO**

TO: Prospective Proposing Firms and all others concerned

DATE: July 10, 2024

PURPOSE: To provide additional information and clarification to the solicitation documents for the above-referenced Project.

1. The following information shall become part of the original Request for Proposal (RFP) for this Project.

2. The following questions and answers are provided for additional clarification to the RFP.

Question 1: Can you provide the density of the PAC that the City is currently using?

Answer 1: Calgon suggests assuming 0.4 g/mL (3.34 lb/gal).

Question 2: Can you confirm if a permanent and automated dosing system from the new PAC storage to the PAC slurry tank will be required or if a temporary (e.g. hoses at grade) and manual operation is preferred since it is a backup operation?

Answer 2: A manual operation is preferred.

Question 3: Can you confirm if neutralization of free chlorine and monochloramines will be required or solely free chlorine?

Answer 3: Neutralization of both free chlorine and monochloramine will be needed.

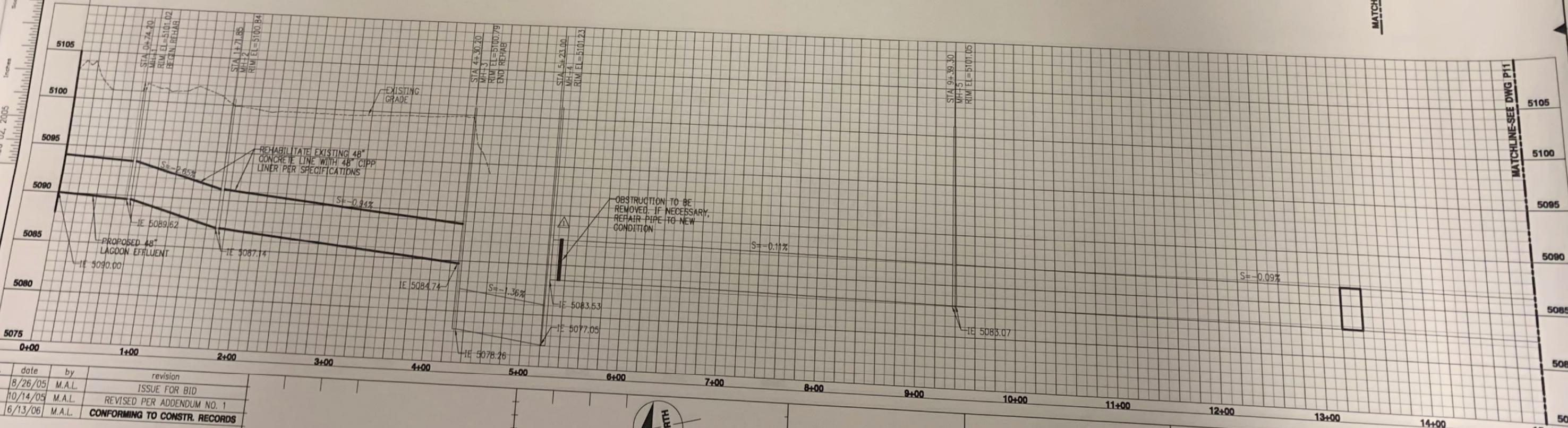
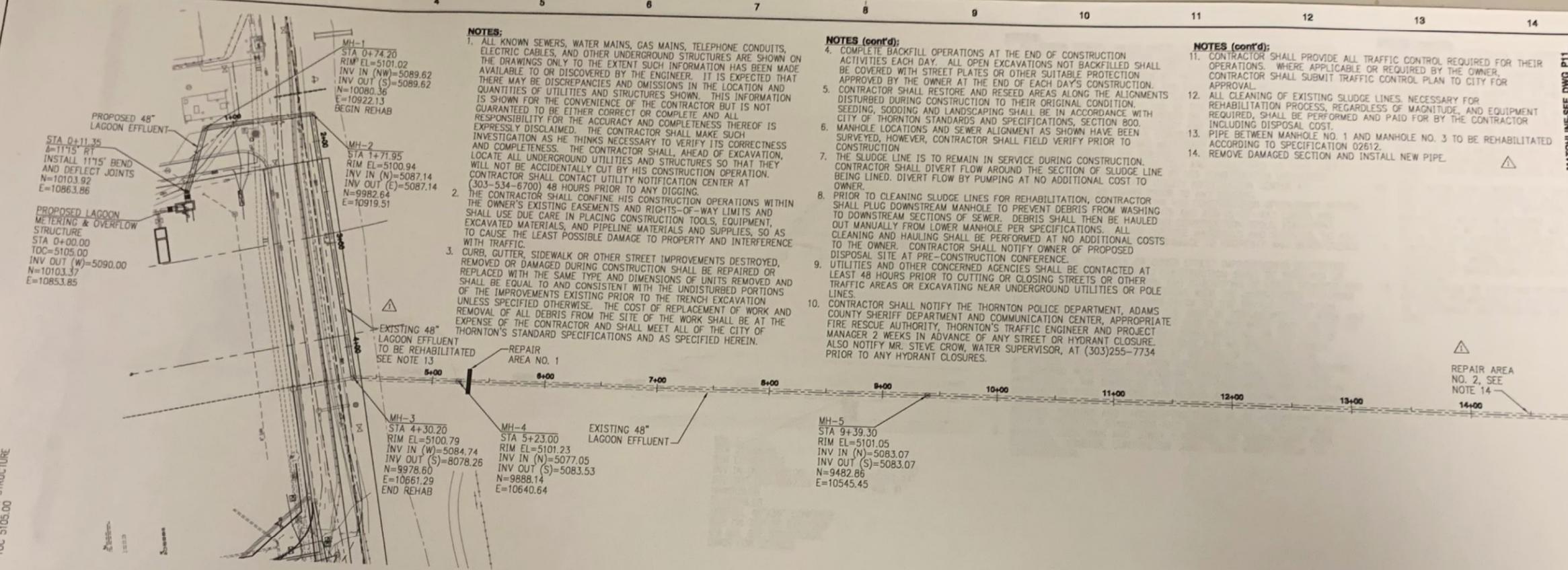
3. As-Built for the lagoon overflow discharge pipeline are attached.

4. All other terms and conditions shall remain unchanged except as provided by this Addendum. Proposing firms must acknowledge receipt of this Addendum in their Proposal.

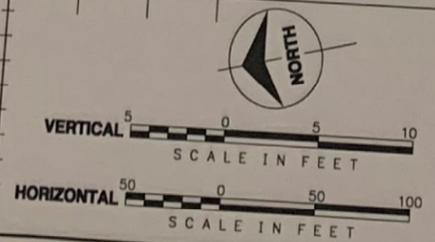
**END OF ADDENDUM NO. TWO**

\_\_\_\_\_  
Dennis Laurita  
Contracts Supervisor

\_\_\_\_\_  
Date



no.	date	by	revision
0	8/26/05	M.A.L.	ISSUE FOR BID
1	10/14/05	M.A.L.	REVISED PER ADDENDUM NO. 1
2	6/13/06	M.A.L.	CONFORMING TO CONSTR. RECORDS



**Burns & McDonnell**  
SINCE 1899

date AUGUST, 2005  
 designed L. LINDEEN  
 detailed R. FULK  
 checked D. NOVAK



CITY OF THORNTON  
LAGOON IMPROVEMENTS

48" TO WGL PLAN & PROFILE  
STA 0+00.00 TO STA 15+00.00

project 30735 contract  
 drawing P10 rev. 2  
 sheet of  
 file P010.dwg 06-14-2006 10:30

AUG 02, 2005  
 LAGOON IMPROVEMENTS\PO10.DWG  
 MCDONNELL ENGINEERS, INC.

MATCHLINE-SEE DWG P11  
 MATCHLINE-SEE DWG P11

MATCHLINE-SEE DWG P10

MH-6  
 STA 15+95.06  
 RIM EL=5100.83  
 INV IN (N)=5082.46  
 INV OUT (S)=5082.46  
 N=8846.03  
 E=10389.04

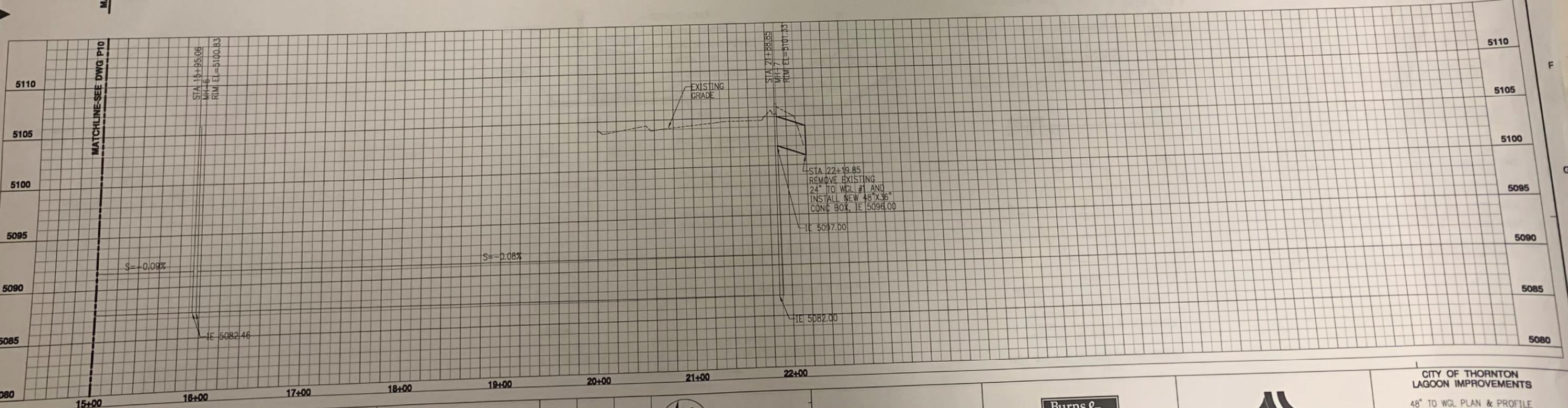
EXISTING 48" LAGOON EFFLUENT

MH-7  
 STA 21+88.85  
 RIM EL=5101.33  
 INV IN (N)=5082.00  
 INV OUT (W)=5097.23  
 N=8269.56  
 E=10246.68  
 INSTALL 48"x36" CONCRETE BOX ON TOP OF EXISTING 6" MH. SEE STRUCTURAL DWGS FOR DETAILS

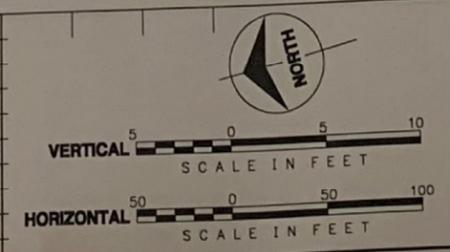
STA 22+19.85  
 EXISTING 24" TO WGL #1

- NOTES:**
1. ALL KNOWN SEWERS, WATER MAINS, GAS MAINS, TELEPHONE CONDUITS, ELECTRIC CABLES, AND OTHER UNDERGROUND STRUCTURES ARE SHOWN ON THE DRAWINGS ONLY TO THE EXTENT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE ENGINEER. IT IS EXPECTED THAT THERE MAY BE DISCREPANCIES AND OMISSIONS IN THE LOCATION AND QUANTITIES OF UTILITIES AND STRUCTURES SHOWN. THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR BUT IS NOT GUARANTEED TO BE EITHER CORRECT OR COMPLETE AND ALL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS THEREOF IS EXPRESSLY DISCLAIMED. THE CONTRACTOR SHALL MAKE SUCH INVESTIGATION AS HE THINKS NECESSARY TO VERIFY ITS CORRECTNESS AND COMPLETENESS. THE CONTRACTOR SHALL, AHEAD OF EXCAVATION, LOCATE ALL UNDERGROUND UTILITIES AND STRUCTURES SO THAT THEY WILL NOT BE ACCIDENTALLY CUT BY HIS CONSTRUCTION OPERATION. CONTRACTOR SHALL CONTACT UTILITY NOTIFICATION CENTER AT (303-534-6700) 48 HOURS PRIOR TO ANY DIGGING.
  2. THE CONTRACTOR SHALL CONFINE HIS CONSTRUCTION OPERATIONS WITHIN THE OWNER'S EXISTING EASEMENTS AND RIGHTS-OF-WAY LIMITS AND SHALL USE DUE CARE IN PLACING CONSTRUCTION TOOLS, EQUIPMENT, EXCAVATED MATERIALS, AND PIPELINE MATERIALS AND SUPPLIES, SO AS TO CAUSE THE LEAST POSSIBLE DAMAGE TO PROPERTY AND INTERFERENCE WITH TRAFFIC.
  3. CURB, GUTTER, SIDEWALK OR OTHER STREET IMPROVEMENTS DESTROYED, REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED WITH THE SAME TYPE AND DIMENSIONS OF UNITS REMOVED AND SHALL BE EQUAL TO AND CONSISTENT WITH THE UNDISTURBED PORTIONS OF THE IMPROVEMENTS EXISTING PRIOR TO THE TRENCH EXCAVATION UNLESS SPECIFIED OTHERWISE. THE COST OF REPLACEMENT OF WORK AND REMOVAL OF ALL DEBRIS FROM THE SITE OF THE WORK SHALL BE AT THE EXPENSE OF THE CONTRACTOR AND SHALL MEET ALL OF THE CITY OF THORNTON'S STANDARD SPECIFICATIONS AND AS SPECIFIED HEREIN.
  4. COMPLETE BACKFILL OPERATIONS AT THE END OF CONSTRUCTION ACTIVITIES EACH DAY. ALL OPEN EXCAVATIONS NOT BACKFILLED SHALL BE COVERED WITH STREET PLATES OR OTHER SUITABLE PROTECTION APPROVED BY THE OWNER AT THE END OF EACH DAY'S CONSTRUCTION.
  5. CONTRACTOR SHALL RESTORE AND RESEED AREAS ALONG THE ALIGNMENTS DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION. SEEDING, SODDING AND LANDSCAPING SHALL BE IN ACCORDANCE WITH CITY OF THORNTON STANDARDS AND SPECIFICATIONS, SECTION 800.
  6. MANHOLE LOCATIONS AND SEWER ALIGNMENT AS SHOWN HAVE BEEN SURVEYED, HOWEVER, CONTRACTOR SHALL FIELD VERIFY PRIOR TO CONSTRUCTION.

- NOTES (cont'd):**
7. THE SEWER IS TO REMAIN IN SERVICE DURING CONSTRUCTION. CONTRACTOR SHALL DIVERT FLOW AROUND THE SECTION OF SEWER BEING LINED. DIVERT FLOW BY PUMPING AT NO ADDITIONAL COST TO OWNER.
  8. PRIOR TO CLEANING SEWERS FOR REHABILITATION, CONTRACTOR SHALL PLUG DOWNSTREAM MANHOLE TO PREVENT DEBRIS FROM WASHING OUT DOWNSTREAM SECTIONS OF SEWER. DEBRIS SHALL THEN BE HAULED OUT MANUALLY FROM LOWER MANHOLE PER SPECIFICATIONS. ALL CLEANING AND HAULING SHALL BE PERFORMED AT NO ADDITIONAL COSTS TO THE OWNER. CONTRACTOR SHALL NOTIFY OWNER OF PROPOSED DISPOSAL SITE AT PRE-CONSTRUCTION CONFERENCE.
  9. UTILITIES AND OTHER CONCERNED AGENCIES SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO CUTTING OR CLOSING STREETS OR POLE TRAFFIC AREAS OR EXCAVATING NEAR UNDERGROUND UTILITIES OR POLE LINES.
  10. CONTRACTOR SHALL NOTIFY THE THORNTON POLICE DEPARTMENT, ADAMS COUNTY SHERIFF DEPARTMENT AND COMMUNICATION CENTER, APPROPRIATE FIRE RESCUE AUTHORITY, THORNTON'S TRAFFIC ENGINEER AND PROJECT MANAGER 2 WEEKS IN ADVANCE OF ANY STREET OR HYDRANT CLOSURE. ALSO NOTIFY MR. STEVE CROW, WATER SUPERVISOR, AT (303)255-7734 PRIOR TO ANY HYDRANT CLOSURES.
  11. CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL REQUIRED FOR THEIR OPERATIONS. WHERE APPLICABLE OR REQUIRED BY THE OWNER, CONTRACTOR SHALL SUBMIT TRAFFIC CONTROL PLAN TO CITY FOR APPROVAL.
  12. ALL CLEANING OF EXISTING SEWERS, NECESSARY FOR REHABILITATION PROCESS, REGARDLESS OF MAGNITUDE, AND EQUIPMENT REQUIRED, SHALL BE PERFORMED AND PAID FOR BY THE CONTRACTOR INCLUDING DISPOSAL COST.



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City of Thornton

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 LAGOON IMPROVEMENTS  
 48" TO WGL PLAN & PROFILE  
 STA 15+00.00 TO STA 22+19.85  
 project 30735 contract  
 drawing **P11** rev. **1**  
 sheet of sheets  
 file P011.dwg 08-02-2005 16:44 RW