

Texas Parks and Wildlife Department  
Infrastructure Division  
4200 Smith School Road  
Austin, Texas 78744

ADDENDUM

Addendum Number:	01	Dated:	December 3, 2025
Solicitation Number:	MR11973		
Solicitation Title:	Move Dump Station at Bonham State Park		
Due Date/Deadline:	<b>Revised December 12, 2025, at 2:00 PM CT</b>		
Contract Manager:	Anthony Habermann, CTCD, CTCM		

PURPOSE OF ADDENDUM: NOTIFICATION OF CHANGES AND ANSWERS/CLARIFICATIONS TO QUESTIONS SUBMITTED

Except as provided herein, all terms and conditions of the document referenced herein remain unchanged and in full force and effect. The following are official revisions, specifications and/or clarifications to this solicitation. This Addendum shall be attached to and form a part of the referenced solicitation document and any resulting awarded contract and must be considered in your response.

---

***NOTIFICATION OF CHANGES***

---

**The bid's due date has CHANGED from December 09, 2025, to December 12, 2025, at 2:00 PM CT.**

**Performance period is increased from Sixty (60) calendar days to One Hundred Twenty (120) calendar days.**

**The PREFERRED completion date for all work is March 06, 2026.**

**Work may be scheduled for Weekend Days in advance, no later than the preceding Thursday prior to the Weekend, with the Park Superintendent, Jason Schooley, with the FINAL Weekend Day of work being March 01, 2026.**

**The following revision was included on sheet C1: ADDED AN ADDITIONAL WASTE DROP AT THE CENTER DUMP STATION.**

---

***OWNER'S WRITTEN RESPONSES TO BIDDER'S QUESTIONS***

---

Q1: Is there a specific size gravel required under the concrete paving area. A specification requirement was not provided.

**A1: REFER TO SHEET C1 FOR UPDATED SUBGRADE REQUIREMENTS AT THE CONCRETE PAVEMENT AREA.**

Q2: What safety interpretive signage is required for this project. It is mentioned, but do not see any references of actual requirements.

**A2: REFER TO SHEET C3 FOR REQUIRED SIGN AT HOSE BIB LOCATIONS.**

Q3: Detail 2 on Sheet C3 indicates new duplex 2 HP submersible effluent pumps, however there is no specification. Please advise. Also note, site staff indicated that new pumps were not required as this lift station is only eight (8) months old.

**A3: EXISTING LIFT STATION TO REMAIN, DETAIL 2/C3 HAS BEEN UPDATED.**

Q4: Please advise if new stainless steel lifting chain is required at existing lift station.

**A4: EXISTING STAINLESS STEEL LIFTING CHAIN TO REMAIN, DETAIL 2/C3 HAS BEEN UPDATED.**

Q5: Please advise if there are any elevations associated with the 4" wastewater tie-in in relation to the new drain at the new dump station?

**A5: EXISTING WATER AND WASTEWATER LINE ELEVATIONS ARE UNKNOWN AND SHALL BE FIELD VERIFIED. KEYNOTES ON SHEET C1 HAVE BEEN UPDATED.**

Q6: Sixty (60) Calendar days is shown as the performance period, however our experience with TPWD is that this performance period is potentially tight if one were to take into account some of the tasks within the pre-construction and submittal phases prior to commencement of work. Please advise if this performance period starts at Notice to Proceed or upon commencement of construction.

**A6: THE PERFORMANCE PERIOD HAS BEEN REVISED TO 120 CALENDAR DAYS AND BEGINS WITH ISSUANCE OF NOTICE TO PROCEED. PLEASE NOTE, IF POSSIBLE, THE PROJECT SHALL BE COMPLETED ON OR BEFORE MARCH 6, 2026.**

Q7: Please provide the Geo Tech Report ?

**A7: A GEOTECHNICAL REPORT IS NOT AVAILABLE FOR THIS PROJECT. LIMESTONE WAS ENCOUNTERED IN SOME LOCATIONS NEAR THE SURFACE DURING THE RECENT TXDOT ROAD PROJECT.**

Q8: The existing dump station shall be removed or abandoned in place. Please clarify if the existing dump station is to be removed or abandoned in place. Reference G1 note 5 on the drawing.

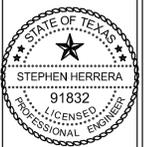
**A8: THE EXISTING DUMP STATION SHALL BE ABANDONED IN PLACE. SHEET G1 NOTES HAVE BEEN UPDATED.**

Q9: Is there a designated laydown/ materials storage area ?

**A9: THE DESIGNATED LAYDOWN/MATERIAL STORAGE AREA HAS BEEN UPDATED AND IS NOTED ON SHEET G1.**

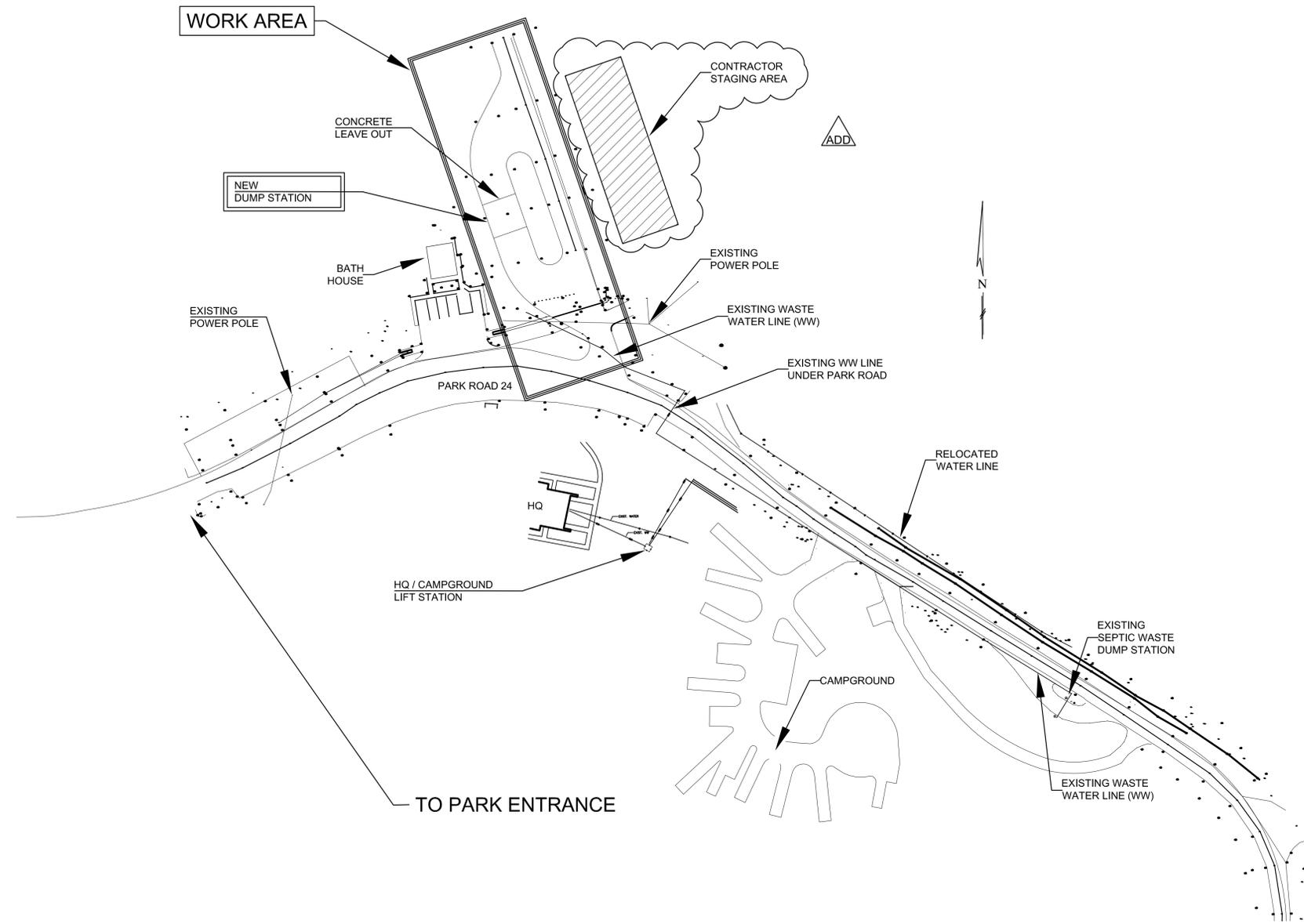
**Attachments: Drawing Sheets G1, C1, and C3 with clouded revisions.**

Respondents are to acknowledge receipt of this Addendum by physically or electronically signing this Addendum and returning it with the other required submittals and bid documents via electronic mail (email).



Stephen Herrera  
12/1/2025

BONHAM STATE PARK  
MOVE DUMP STATION  
PROJECT NUMBER: MR11973



**GENERAL NOTES:**

- IT IS IMPERATIVE THAT THE NEW DUMP STATION BE COMPLETELY INSTALLED AND READY FOR OPERATION PRIOR TO THE ABANDONMENT OF THE EXISTING DUMP STATION DESCRIBED ON THESE PLANS. FINAL CONNECTIONS TO EXISTING PIPING SHALL BE MADE AT THE BEGINNING OF THE SCHEDULED SHUTDOWN OF THE EXISTING SYSTEM, AT WHICH TIME THE NEW DUMP STATION SHALL BE PLACED INTO OPERATION.
- USE EXTRA CARE WHEN EXCAVATING IN ALL AREAS OF THIS PROJECT TO AVOID DAMAGE TO EXISTING PIPING AND BURIED CONDUIT. CONTACT AND CONSULT WITH PARK STAFF BEFORE BEGINNING ANY EXCAVATION TO DETERMINE THE LOCATION OF ANY KNOWN UTILITIES. IF ANY ACTIVE UTILITY IS DAMAGED DURING THE WORK OF THIS PROJECT, CONTRACTOR SHALL IMMEDIATELY STOP WORK AND REPAIR DAMAGE AT NO ADDITIONAL COST TO THE OWNER. SEE ALSO PLAN NOTES REQUIRING SPECIAL ATTENTION TO EXCAVATION(S) DEEPER THAN 5 FEET.
- NOTE THAT THE FEATURES OF THE PLANS ARE SHOWN IN APPROXIMATE DIMENSIONS AND LOCATIONS. THE ACTUAL FEATURES SHOWN MAY NOT BE DIMENSIONED EXACTLY AS INDICATED. CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS ON SITE AND SHALL NOT SCALE FROM PLAN.
- NOTE THAT CONSTRUCTION DRAWINGS ARE DIAGRAMMATIC BY THEIR NATURE, AND ARE NOT INTENDED TO SHOW EVERY CONNECTION IN DETAIL OR EVERY PIPE, BOX, OR CONDUIT IN ITS EXACT LOCATION. FEATURES AND COMPONENTS NOT SHOWN ARE SUBJECT TO THE REQUIREMENTS OF STANDARDS REFERENCED ELSEWHERE IN THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL COORDINATE THE VARIOUS TRADES IN ORDER TO AVOID INTERFERENCE BETWEEN THE VARIOUS SEGMENTS OF THE PROJECT.
- ALL WORK SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO THE BUILDING LINES OR ROADS UNLESS NOTED OTHERWISE.
- WORK SHALL MINIMIZE THE TIME REQUIREMENT FOR FACILITIES TO BE OUT OF SERVICE. TEMPORARY ALTERNATE ARRANGEMENTS WILL BE SCHEDULED FOR THE FACILITIES TO BE OUT OF SERVICE, BUT THESE ARRANGEMENTS WILL INCONVENIENCE THE OPERATION OF THE PARK AND PUBLIC FACILITIES. ANY AND ALL PERIODS OF EQUIPMENT OUTAGE SHALL BE SCHEDULED WITH THE CONSTRUCTION MANAGER AND PARK STAFF. COMPLETION DATE OF CONSTRUCTION WORK IS REQUESTED TO BE 3/6/2026.

**1 DUMP STATION PROJECT LOCATION MAP**

SCALE: NONE

**SCOPE OF WORK:**

- BACKGROUND:** THIS DUMP STATION IS LOCATED NEXT TO THE RESTROOM BUILDING LOCATED ACROSS THE STREET FROM THE HQ WITHIN BONHAM STATE PARK. THIS NEW DUMP STATION WILL REPLACE THE EXISTING NEARBY DUMP STATION WITHIN THE PARK. THE NEW DUMP STATION SHALL MEET TCEQ AND FANNIN COUNTY REQUIREMENTS.
- CONSTRUCTION:** CONNECTION POINTS OF PIPING TO THE DUMP STATION SHALL BE CAREFULLY EXPOSED IN THE LOCATIONS INDICATED IN THE PLANS BEFORE CONSTRUCTION COMMENCES. AFTER INSTALLATION OF THE NEW DUMP STATION, INCLUDING PRELIMINARY PIPING THE EXISTING DUMP STATION PIPING SYSTEMS SHALL BE CONNECTED INTO THE NEW DUMP STATION. THESE CONNECTIONS WILL INVOLVE WASTEWATER FORCE MAIN(S) AND GRAVITY DRAIN PIPING. ALL CONSTRUCTION WASTE SHALL BE DISPOSED OF BY CONTRACTOR OFF SITE IN CONFORMANCE WITH LOCAL, STATE AND FEDERAL LAWS AND ORDINANCES.
- SCOPE OF REPLACEMENT:** THE DUMP STATION SHALL BE REPLACED COMPLETELY. THE NEW DUMP STATION SHALL INCLUDE NEW FOUNDATION AND STABILIZATION CONCRETE.
- EXISTING EXCAVATED SOIL:** UNUSED SOIL MAY BE DISCARDED IN THE PARK, IF APPROVED BY THE PARK SUPERINTENDENT. THE EXCAVATION SHALL BE LINED COMPLETELY WITH PERMEABLE SOIL FILTRATION MATERIAL TO KEEP FINE NATURAL SOIL IN PLACE.
- SEQUENCE OF WORK:** IN ORDER TO MINIMIZE THE DURATION OF EQUIPMENT DOWN TIME, THE FOLLOWING SHALL BE ESSENTIAL:
  - THE NEW DUMP STATION SHALL BE FULLY INSTALLED WITH PIPING, VALVES, AND ALL ACCESSORIES. THIS SHALL INCLUDE PLUMBING PENETRATIONS.
  - AT THE TIME OF "SWITCHOVER" TO THE NEW INSTALLATION, THE SHUTDOWN OF THE EXISTING DUMP STATION SHALL BE COORDINATED WITH THE RMS, CONSTRUCTION MANAGER, INSPECTOR, AND THE PARK SUPERINTENDENT.
  - WHEN THE "SWITCHOVER" HAS BEGUN, CONTRACTOR SHALL CONFORM TO THE SCHEDULE AGREED AND SHALL MAKE ALL NEW CONNECTIONS NECESSARY FOR FULL, RELIABLE OPERATION AND SHALL START THE NEW DUMP STATION INTO COMPLETE, AUTOMATIC OPERATION IN AS SHORT A TIME AS POSSIBLE.
  - AFTER THE NEW DUMP STATION CONSTRUCTION AND CONFIGURATION ARE FULLY OPERATIONAL, THE CURRENT EXISTING DUMP STATION SHALL BE ABANDONED IN PLACE.

DATE: 8/25/2025  
DESIGNED BY: SWH  
DRAWN BY: SWH  
REVIEWED BY:  
REVISED: 12/1/2025  
REVISED:  
REVISED:

**SHEET TITLE**  
GENERAL NOTES,  
SCOPE, AND  
SEQUENCE OF WORK

**SHEET NUMBER**  
**G1**  
OF  
MR11973

LEGEND	
---	CW - COLD WATER
---	WW - WASTEWATER
---	WW - WASTEWATER EXISTING
○-○	DCO - DOUBLE CLEAN OUT
○	CO - CLEAN OUT
○	CONNECT NEW TO EXISTING
ⓧ	VALVE BOX
++	HB - HOSE BIBB

KEYNOTES: **1**

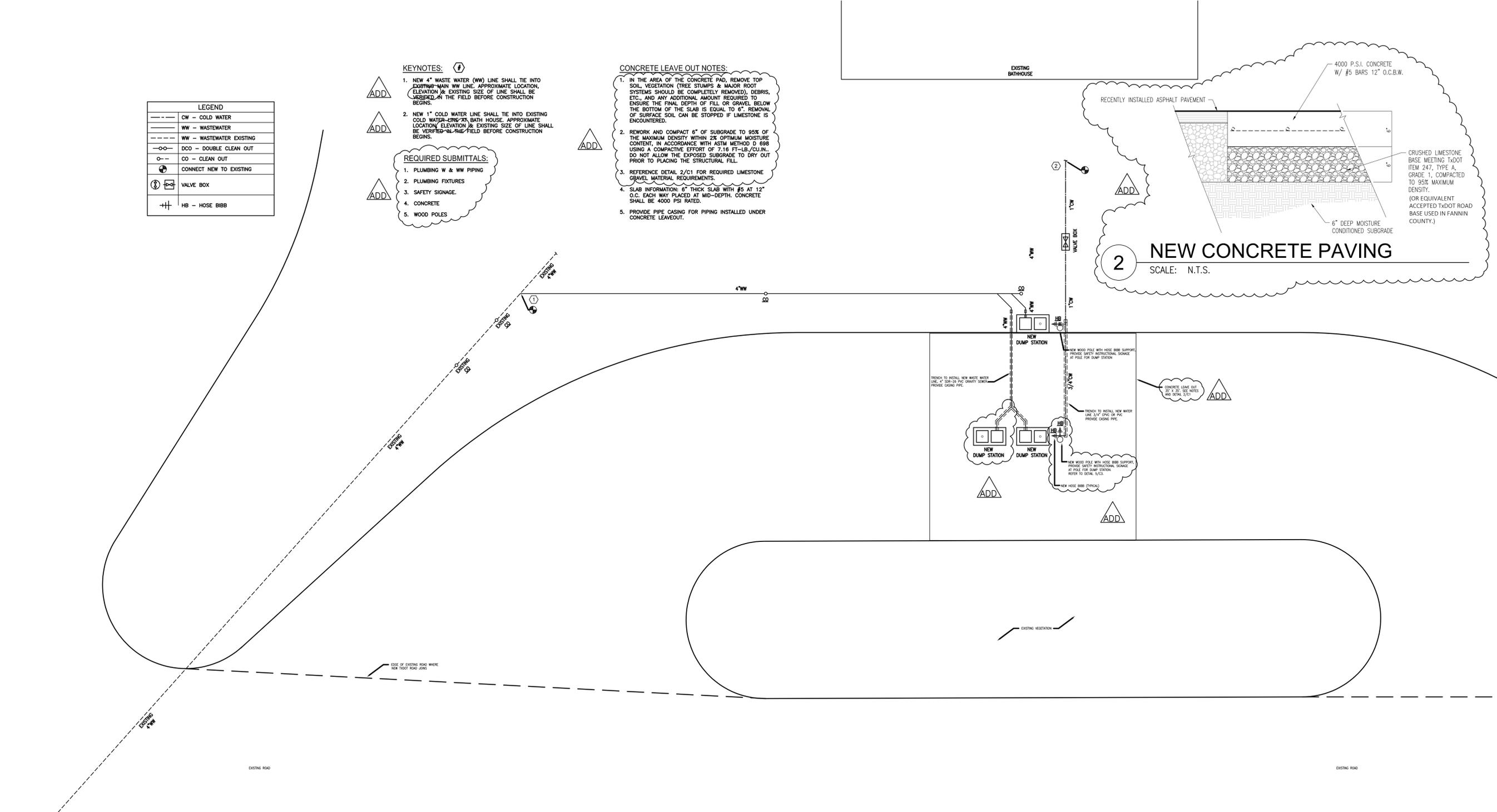
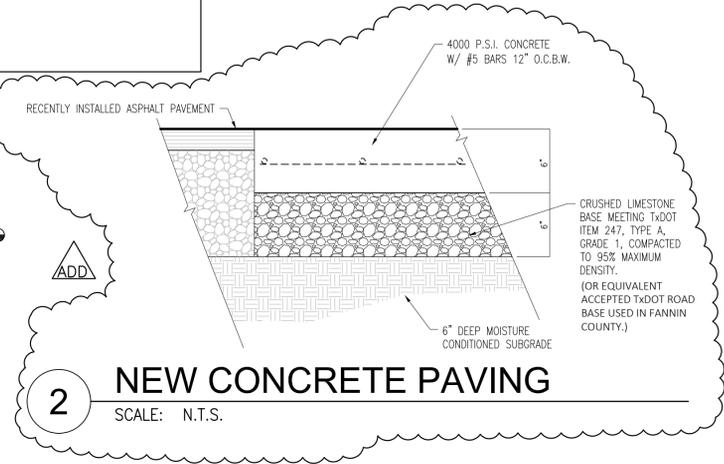
- NEW 4" WASTE WATER (WW) LINE SHALL TIE INTO EXISTING MAIN WW LINE. APPROXIMATE LOCATION, ELEVATION & EXISTING SIZE OF LINE SHALL BE VERIFIED IN THE FIELD BEFORE CONSTRUCTION BEGINS.
- NEW 1" COLD WATER LINE SHALL TIE INTO EXISTING COLD WATER LINE AT BATH HOUSE. APPROXIMATE LOCATION, ELEVATION & EXISTING SIZE OF LINE SHALL BE VERIFIED IN THE FIELD BEFORE CONSTRUCTION BEGINS.

REQUIRED SUBMITTALS:

- PLUMBING W & WW PIPING
- PLUMBING FIXTURES
- SAFETY SIGNAGE.
- CONCRETE
- WOOD POLES

CONCRETE LEAVE OUT NOTES:

- IN THE AREA OF THE CONCRETE PAD, REMOVE TOP SOIL, VEGETATION (TREE STUMPS & MAJOR ROOT SYSTEMS SHOULD BE COMPLETELY REMOVED), DEBRIS, ETC., AND ANY ADDITIONAL AMOUNT REQUIRED TO ENSURE THE FINAL DEPTH OF FILL OR GRAVEL BELOW THE BOTTOM OF THE SLAB IS EQUAL TO 6". REMOVAL OF SURFACE SOIL CAN BE STOPPED IF LIMESTONE IS ENCOUNTERED.
- REWORK AND COMPACT 6" OF SUBGRADE TO 95% OF THE MAXIMUM DENSITY WITHIN 2% OPTIMUM MOISTURE CONTENT, IN ACCORDANCE WITH ASTM METHOD D 698 USING A COMPACTIVE EFFORT OF 7.16 FT-LB./CU.IN. DO NOT ALLOW THE EXPOSED SUBGRADE TO DRY OUT PRIOR TO PLACING THE STRUCTURAL FILL.
- REFERENCE DETAIL 2/C1 FOR REQUIRED LIMESTONE GRAVEL MATERIAL REQUIREMENTS.
- SLAB INFORMATION: 6" THICK SLAB WITH #5 AT 12" O.C. EACH WAY PLACED AT MID-DEPTH. CONCRETE SHALL BE 4000 PSI RATED.
- PROVIDE PIPE CASING FOR PIPING INSTALLED UNDER CONCRETE LEAVEOUT.



**1**

NEW DUMP STATION LAYOUT PLAN

SCALE: 1/8" = 1'-0"

**GENERAL NOTES**

- THE SITE WILL REMAIN IN USE THROUGHOUT THE DURATION OF THE WORK PERFORMED BY THIS CONTRACT. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE SITE OPERATIONS STAFF TO MINIMIZE THE EFFECT UPON THE SITE AND SITE OPERATION BY THE PROJECT.
- DUMP STATION RENOVATION MAY BE UNDER CONSTRUCTION DURING THE WORK OUTLINED HEREIN. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES THAT ARE ON-SITE.
- CONTRACTOR SHALL CALL ONE CALL (800) 245-4545 PRIOR TO CONSTRUCTION.
- CONTRACTOR TO EXERCISE DILIGENCE IN MAINTAINING THE SAFETY OF THE SITE TOWARD THE PUBLIC INCLUDING THE USE OF BARRICADES, WARNING SIGNS AND OTHER SAFETY DEVICES IN CONSTRUCTION AREAS.
- THE CONTRACTOR SHALL CONTACT THE SITE MANAGER FOR THEIR ASSISTANCE IN DETERMINING EXISTING UTILITY LOCATIONS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL UTILITIES TO BE EXTENDED, ALTERED OR SUBJECT TO DAMAGE BY HIS CONSTRUCTION OPERATIONS.
- CONTRACTOR SHALL BE REQUIRED TO DEVELOP A TRENCH SAFETY PLAN SHOULD FOUR FEET OR GREATER TRENCH DEPTHS BE REQUIRED. THE TRENCH SAFETY PLAN SHALL BE IN COMPLIANCE WITH TEXAS HOUSE BILL 1569. THE CONTRACTOR'S TRENCH SAFETY PLAN MUST BE RECEIVED BY TPWD BEFORE THE START OF ANY WORK FOR TRENCHES OR ANY EXCAVATION OF FOUR FEET OR GREATER DEPTH.
- ALL TRENCHING AND EXCAVATION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND THE TRENCH SAFETY PLAN AS APPLICABLE.
- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING FACILITIES FROM DAMAGE. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES TO UTILITIES AND EXISTING IMPROVEMENTS CAUSED BY HIS CONSTRUCTION ACTIVITIES. THE CONTRACTOR, AT NO ADDITIONAL COST TO TPWD, SHALL REPAIR ANY DAMAGE TO EXISTING FACILITIES CAUSED BY HIS OPERATIONS.
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS REGARDING THE HANDLING AND DISPOSAL OF EXCESS AND WASTE MATERIALS AND THE EXECUTION OF THE WORK. TPWD SITE MANAGER WILL INDICATE THE LOCATION OF AN APPROVED SPOILS AREA ON SITE AVAILABLE TO CONTRACTOR.
- CONTRACTOR SHALL MAINTAIN DRAINAGE OF THE SITE DURING ALL PHASES OF CONSTRUCTION.
- CONTRACTOR SHALL LOCATE, ESTABLISH AND MAINTAIN ANY REQUIRED BENCHMARKS, MONUMENTS, AND CONTROL POINTS NEEDED FOR THE EXECUTION OF THE WORK.
- CONTRACTOR TO CONTROL DUST CAUSED BY THE WORK AND COMPLY WITH THE POLLUTION CONTROL REGULATIONS OF THE GOVERNING AUTHORITIES.
- CONTRACTOR SHALL INSTALL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR TO OBTAIN ANY REQUIRED PERMITS. CONTRACTOR SHALL KEEP COPIES OF ALL APPROVED PERMITS ON THE JOB SITE.
- CONTRACTOR SHALL PROVIDE TEMPORARY TOILET FACILITIES AS REQUIRED FOR WORKERS AT NO ADDITIONAL COST TO OWNER.

**EROSION CONTROL**

- CONTRACTOR IS RESPONSIBLE FOR PLANNING, PERMITTING AND IMPLEMENTATION OF STORM WATER POLLUTION PREVENTION PLAN (SWPP3) AS REQUIRED UNDER GENERAL PERMIT TXR150000.
- EROSION CONTROLS SHOWN HEREON ARE THE MINIMUM REQUIRED. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION AND MODIFICATION TO COMPLY WITH APPLICABLE LAWS.

**UTILITY INSTALLATION**

- THE LOCATION OF EXISTING UTILITIES SHOWN ON THE DRAWINGS IS ONLY AN ESTIMATE. CONTRACTOR SHALL CONTACT THE SITE MANAGER FOR HIS ASSISTANCE IN DETERMINING EXISTING UTILITY LOCATION PRIOR TO EXCAVATION. CONTRACTOR SHALL FIELD VERIFY THE ACTUAL LOCATION OF ALL UTILITIES THAT ARE TO BE EXTENDED OR MODIFIED AND OTHER UTILITIES IN THE AREAS OF WORK BEFORE COMMENCING WORK. CONTRACTOR SHALL KEEP AS BUILT PLANS NOTATING HORIZONTAL AND VERTICAL LOCATION OF ALL INSTALLED AND ENCOUNTERED UTILITIES.
- UTILITY SERVICES SHALL REMAIN IN OPERATION TO THE GREATEST EXTENT POSSIBLE. CONTRACTOR SHALL SUBMIT A WRITTEN DETAILED CONSTRUCTION PLAN TO THE SITE MANAGER THAT DETAILS THE SCHEDULE AND TECHNIQUES TO BE USED FOR DISRUPTION OF SERVICES TO ALLOW CONNECTION INTO EXISTING UTILITIES AND PLACE NEW UTILITIES INTO SERVICE. CONTRACTOR TO OBTAIN WRITTEN APPROVAL FROM SITE MANAGER BEFORE THE EXECUTION OF WORK. SITE MANAGER SHALL BE INFORMED WHEN UTILITY INTERRUPTIONS ARE TO BE MADE.
- CONTRACTOR TO NOTIFY ALL AFFECTED UTILITY OWNERS OF HIS OPERATIONS PRIOR TO THE COMMENCING OF WORK THAT MAY AFFECT THEIR UTILITIES.
- CONTRACTOR SHALL COORDINATE THE INTERRUPTION OF ANY UTILITY SERVICES REQUIRED FOR THE EXECUTION OF THE WORK WITH TPWD OR THE UTILITY COMPANY INVOLVED. THE INTERRUPTION OF UTILITY SERVICES SHALL BE SCHEDULED FOR PERIODS OF LOW USAGE AND FOR AS SHORT A DURATION AS POSSIBLE.
- WHEN UNKNOWN OR INCORRECTLY LOCATED UTILITY LINES ARE ENCOUNTERED, THE SITE MANAGER AND UTILITY OWNER SHALL BE NOTIFIED TO OBTAIN DIRECTIONS. COOPERATE WITH UTILITY OWNERS TO MAINTAIN ACTIVE UTILITY SERVICE IN OPERATION.
- SHOULD EXISTING UTILITY SERVICES BE DAMAGED DURING CONSTRUCTION OPERATIONS, CONTRACTOR SHALL NOTIFY THE SITE MANAGER AND THE UTILITY OWNER IMMEDIATELY FOR THE DIRECTION OF CORRECTIVE WORK TO BE PERFORMED. CONTRACTOR SHALL PERFORM THE CORRECTIVE WORK AT NO ADDITIONAL COST TO TPWD.
- WHERE WATER LINES AND SEWER LINES ARE IN CLOSE PROXIMITY TO EACH OTHER, THEY SHALL MEET THE INSTALLATION REQUIREMENTS OF TCEQ, SECTION 290.44(e)

TRENCHING NOTE: CONTRACTOR SHALL PROVIDE NOTICE TO TPWD INSPECTOR AND CONSTRUCTION MANAGER AT LEAST 5 DAYS PRIOR TO ANY TRENCHING BEGINS. THERE IS POTENTIAL FOR CULTURAL ARTIFACTS. SOME MONITORING OF TRENCH EXCAVATIONS WILL BE REQUIRED.

**CONSTRUCTION AREA WORK**

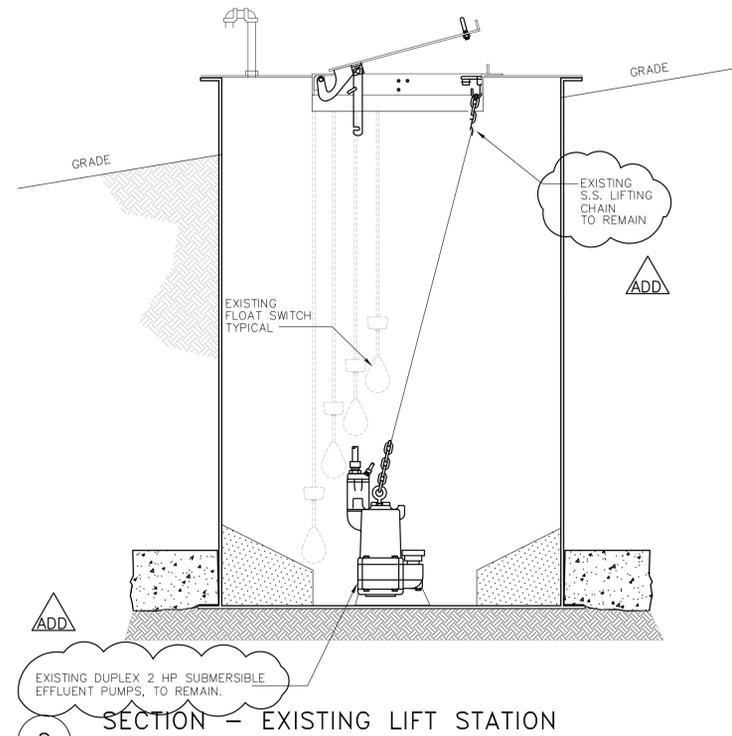
- ORGANIC MATERIAL FROM CLEARING OPERATIONS MAY BE PULVERIZED, CHIPPED OR OTHERWISE MADE INTO SUITABLE MULCH THAT CAN BE DISTRIBUTED AT ON-SITE LOCATIONS AS ALLOWED BY THE FACILITY MANAGER. ALTERNATELY, CONTRACTOR MAY DISPOSE OF THIS MATERIAL AT AN OFFSITE LOCATION.
- TOPSOIL FROM EXCAVATION ACTIVITIES IS TO BE SEGREGATED FROM OTHER EXCAVATED MATERIALS TO THE MAXIMUM EXTENT POSSIBLE. RETURN SITE EXCAVATED TOPSOIL TO THE AREAS WHERE IT WAS REMOVED, SO AS TO RETURN THE SITE TO ITS ORIGINAL CONDITION TO THE EXTENT POSSIBLE.
- EXCESS SOIL AND TOPSOIL FROM EARTHWORK OPERATIONS SHALL BE DISPOSED OF AT AN ONSITE LOCATION AS INDICATED BY THE SITE MANAGER.

**CONSTRUCTION SEQUENCE**

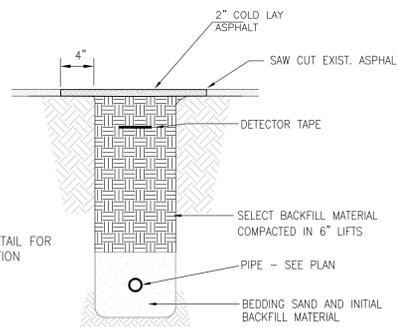
- INSTALL TEMPORARY EROSION CONTROL AND TREE PROTECTION FENCING PRIOR TO ANY CLEARING, GRUBBING OR EXCAVATION.
- CONSTRUCTION OF WATER SYSTEM AND SITE UTILITIES WITH APPURTENANCES AND PAVEMENT REPAIRS.
- COMPLETE FINAL GRADING AND THE RESTORATION OF SITE VEGETATION.
- REMOVE TEMPORARY CONSTRUCTION FACILITIES, EROSION CONTROL DEVICES AND TREE PROTECTION FENCING AFTER GROWTH IS ESTABLISHED.
- COMPLETE ANY NECESSARY FINAL DRESS UP OF AREAS DISTURBED BY CONSTRUCTION ACTIVITIES.

**WATER LINE INSTALLATION**

- THE LOCATION OF EXISTING WATER LINE SHOWN ON THE DRAWINGS IS APPROXIMATE. THERE MAY BE OTHER UNDERGROUND UTILITY LINES IN THE VICINITY OF THE WORK WHOSE LOCATION IS UNKNOWN. CONTRACTOR SHALL TAKE PRECAUTION TO PREVENT DAMAGE TO ALL UNDERGROUND UTILITIES THAT ARE TO REMAIN IN SERVICE.
- WATER SUPPLY AND DISTRIBUTION PIPING SHALL BE INSTALLED IN ACCORDANCE WITH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) CHAPTER 290 "RULES AND REGULATIONS FOR PUBLIC WATER SYSTEMS".
- CONTRACTOR SHALL NOT EXCEED THE MANUFACTURER'S RECOMMENDATIONS FOR THE CURVATURE OF THE LINE OR THE DEFLECTION OF PIPE JOINTS. INSTALL PIPE FITTINGS FOR ALL BENDS IN EXCESS OF 10 DEGREES. PROVIDE THRUST BLOCKING AT ALL JOINTS IN EXCESS OF 10 DEGREES FOR GASKETED JOINT PIPING.
- THE NEW WATER LINE SHALL BE CASED BENEATH ALL ROADWAYS THAT ARE TO BE CROSSED. THE CASING PIPE SHALL EXTEND A MINIMUM OF FOUR FEET BEYOND ROADWAY EDGE WHEN MEASURED PERPENDICULAR TO THE ROADWAY ON EACH SIDE. REFER TO DETAILS FOR CASING MATERIAL AND SIZING. SEAL ENDS OF CASING WITH MANUFACTURED SEALS INTENDED FOR THIS FUNCTION.
- THE WORKING PRESSURE RATING FOR VALVES, FITTINGS AND APPURTENANCES SHALL NOT BE LESS THAN 150 PSIG.
- THE ENDS OF ALL NEW LINES ARE TO BE CAPPED WITH PIPING MATERIAL THAT MATCHES LINE TO BE CAPPED.
- ALL PIPING AND APPURTENANCES SHALL BE NEW. ALL NEWLY INSTALLED PIPING AND RELATED PRODUCTS SHALL CONFORM TO AMERICAN NATIONAL STANDARD INSTITUTE / NATIONAL SANITATION FOUNDATION (ANSI/NSF) STANDARD 61.
- ALL PLASTIC PIPING SHALL BEAR THE NSF SEAL OF APPROVAL (NSF-PW) FOR POTABLE WATER.
- THE DEMOLITION, CUTTING AND CAPPING OF EXISTING WATER LINES AND OTHER COMPONENTS SHALL NOT BE ACCOMPLISHED UNTIL THE NEW WATER LINES, VALVES, AND APPURTENANCES HAVE BEEN CONSTRUCTED TO THE POINT OF FINAL TIE-IN TO THE EXISTING SITE WATER SYSTEM. THE EXISTING WATER LINE SHALL REMAIN IN SERVICE UNTIL FINAL TIE-IN. CONTRACTOR SHALL KEEP DOWN TIME OF SITE FACILITIES TO AN ABSOLUTE MINIMUM. CONTRACTOR SHALL NOTIFY THE SITE MANAGER OF HIS PROPOSED SCHEDULE FOR TIE-INS AT LEAST 7 DAYS IN ADVANCE.
- THE SITE PIPING DRAWINGS DO NOT INDICATE ALL BENDS, FITTINGS, THRUST BLOCKS AND TRANSITIONS. CONTRACTOR SHALL FURNISH AND INSTALL THESE ITEMS AS NEEDED AT NO ADDITIONAL COST TO TPWD.
- CONTRACTOR SHALL INSTALL PIPING TO ATTAIN MINIMUM TCEQ COVERAGE OVER NEW PIPING.
- CONTRACTOR SHALL CLEAN, FLUSH, TEST, AND DISINFECT WATER LINE PIPING PRIOR TO CONNECTION TO EXISTING SERVICE LINES.
- WATER LINE TESTING AND STERILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS. WATER LINE TESTING AND DISINFECTION SHALL BE COMPLETED PRIOR TO FINAL TIE-IN. CONTRACTOR SHALL PROVIDE ANY FITTINGS, PLUGS OR OTHER DEVICES FOR USE IN THE FILLING, FLUSHING, AND TESTING OF WATER LINES.
- TPWD WILL PROVIDE WATER FOR CLEANING, FLUSHING, DISINFECTION, TESTING, AND ASSOCIATED REQUIREMENTS. WATER FOR SOIL MOISTURE CONDITIONING SHALL ALSO BE PROVIDED BY TPWD.
- CONTRACTOR SHALL PROVIDE FOR THE DE-CHLORINIZATION OF HIGHLY CHLORINATED WATER BEFORE DISCHARGE.

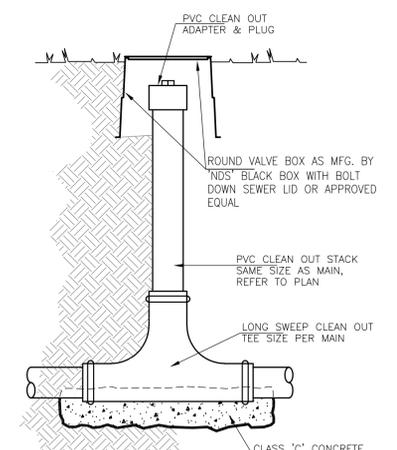


2 SECTION - EXISTING LIFT STATION  
N.T.S.

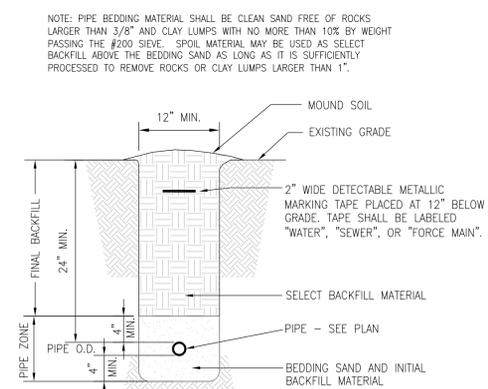


1 PAVED SURFACE ASPHALT REPAIR  
N.T.S.

\*NOTE: COLD LAY ASPHALT SHALL BE IN ACCORDANCE WITH TxDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES ITEM 334, HOT MIX-COLD LAY ASPHALTIC CONCRETE PAVEMENT.



3 TYP. CLEANOUT  
N.T.S.



4 EMBEDMENT DETAIL  
N.T.S.

- GENERAL CONSTRUCTION NOTES:**
- PRIOR TO CONSTRUCTION, CONTACT TEXAS ONE CALL AT 1-800-245-4545 FOR UTILITY LOCATES. UTILITIES AND STRUCTURES SHOWN HEREON ARE APPROXIMATE. FIELD VERIFY EXACT LOCATION & DEPTH.
  - THE INSTALLATION OF THIS SYSTEM REQUIRES INSPECTION BY THE ENGINEER OR THEIR DESIGNATED REPRESENTATIVE. THE ENGINEER MUST BE CONTACTED WITH AT LEAST 48 HOURS ADVANCE NOTICE AT THE FOLLOWING THREE STAGES:
    - UPON SETTING OF TANKS AND FILLING THEM FOR LEAK TESTING.
    - PRESSURE TESTING OF ALL COMPLETE LINES, PRIOR TO BACKFILL.
    - WHEN SYSTEM IS COMPLETE AND READY FOR START-UP.
  - SILT FENCE SHALL BE INSTALLED DOWNSTREAM OF THE PROPOSED CONSTRUCTION SITE.
  - DISTURBED AREAS SHALL BE SEEDED AND WATERED TO ESTABLISH GRASS GROWTH AND PREVENT EROSION. CARE SHALL BE TAKEN TO AVOID BRINGING IN NON-NATIVE PLANTS. REVEGETATION SHALL BE SEED MIXTURE APPROVED BY THE TPWD NATURAL RESOURCE SPECIALIST FOR THE REGION THAT THE PARK IS LOCATED.
  - FILL MATERIAL, IF REQUIRED, SHALL CONSIST OF SANDY LOAM AND BE FREE OF CULTURAL ARTIFACTS. SANDY LOAM TOPSOIL SHALL BE A MIXTURE OF SAND, SILT, CLAY, AND HUMUS WITH LESS THAN 30% BY WEIGHT PASSING THE NO. 200 STANDARD SIEVE.
  - ALL PIPES SHALL BE PRESSURE RATED SCH-40 PVC, UNLESS SPECIFIED OTHERWISE ON PLANS.
  - COPIES OF ALL REFERENCE SPECIFICATIONS ARE ON FILE IN THE OFFICE OF THE ENGINEER AND AVAILABLE FOR REVIEW ON REQUEST.
  - ALL CONCRETE SHALL HAVE A MIN. COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
  - BACKFILL SEPTIC TANK IN ACCORDANCE WITH REQUIREMENTS OF SEPTIC TANK MANUFACTURER.



5 SAFETY SIGNAGE  
N.T.S.