

EQUIPMENT SCHEDULE

- ① 16" RJ DI SPOOL, LENGTH AS REQUIRED
- ② 16" FLGxRJ PE SPOOL, LENGTH AS REQUIRED
- ③ 16" MJ 45° ELBOW RESTRAINED
- ④ 16" FLG BUTTERFLY VALVE WITH HANDWHEEL OPERATOR AND POSITION INDICATOR
- ⑤ 16" FLG 90° ELBOW
- ⑥ 16" STEEL PIPE WITH 1/4" WALL THICKNESS, 11 FT. LONG (FIELD VERIFY). 16" FLG WELDED TO ONE END AND 1/4" PLATE WELDED TO OTHER END. 10" DISCHARGE HOLES TO BE CUT IN PIPE CENTERED ON WALL OPENINGS. PIPE TO BE INSTALLED WITH HOLES POINTING DOWN.
- ⑦ 2" SERVICE SADDLE WITH 2" TRAVIS AIR/VACUUM RELIEF VALVE OR APPROVED EQUAL (INCIDENTAL TO THE PIPELINE WORK).
- ⑧ 3/8"x2" GALVANIZED STRAP. FASTEN TO CONCRETE STRUCTURE WITH 3/8" ANCHOR BOLTS. FORM STRAPS AS REQUIRED TO SECURE 16" STEEL PIPE TO TOP OF EXISTING CONCRETE STRUCTURE. 4 REQUIRED
- ⑨ EXISTING SCREENS TO BE REMOVED AND RETURNED TO OWNER (TYP. 4)
- ⑩ 6" THICK CONCRETE WALL TO BE POURED IN PLACE OF SCREENS. 3000 PSI CONCRETE, #4 BAR REINFORCING 12" O.C. E.W. TOP OF WALLS TO BE 8" BELOW THE TOP OF THE EXISTING STRUCTURE (TYP. IN 4 LOCATIONS)
- ⑪ EXISTING REGULATING GATE TO BE REMOVED AND RETURNED TO OWNER.
- ⑫ REMOVE WALKWAY BOARDS AS REQUIRED FOR CONSTRUCTION. REINSTALL WALKWAY AFTER 16" PIPE INSTALLATION. REPLACE ANY DAMAGED BOARDS AS REQUIRED.
- ⑬ 16" RESTRAINED FLG COUPLING ADAPTER
- ⑭ 16" FLGxMJ 22 1/2° ELBOW WITH RESTRAINED MJ

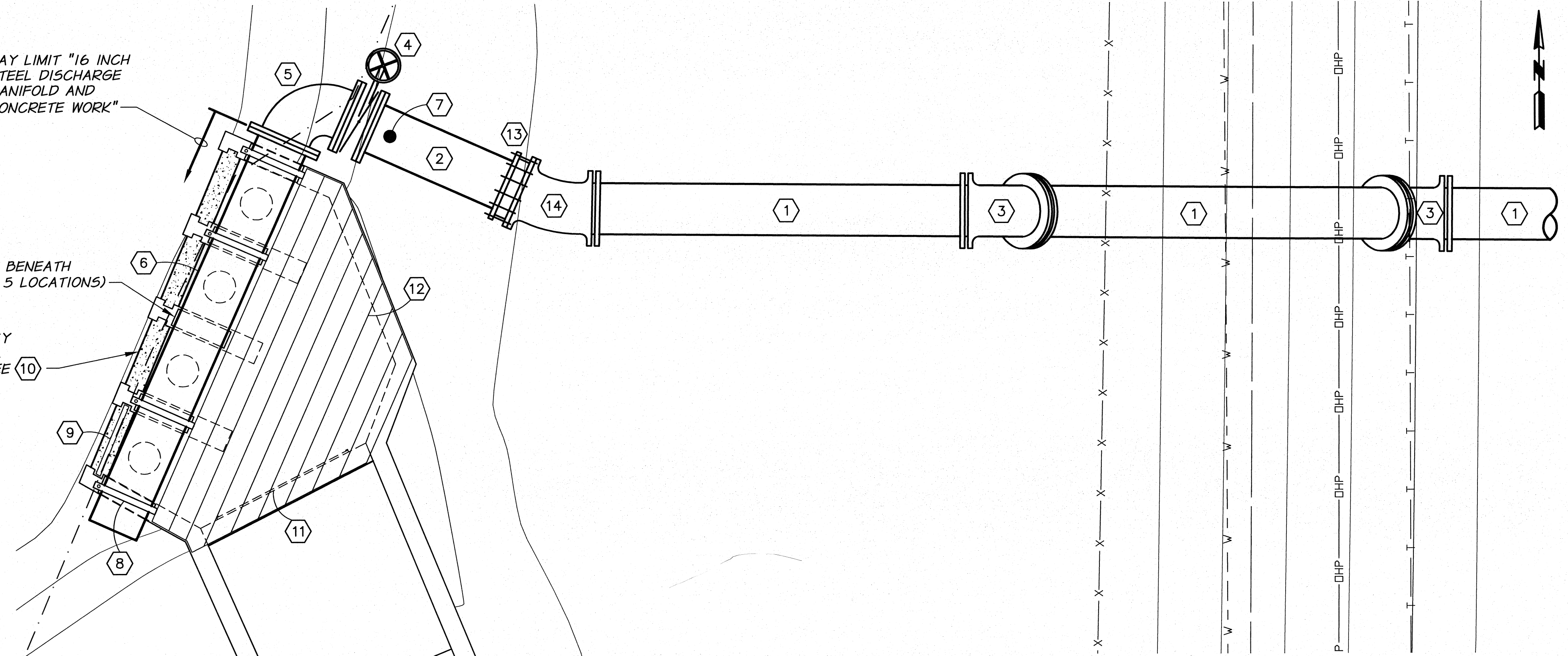
NOTES

- 1. POT HOLE FOR EXISTING WATER AND EXISTING TELEPHONE PRIOR TO CONSTRUCTION TO VERIFY IRRIGATION LINE LOCATION.
- 2. ALL PIPE AND FITTINGS TO BE RESTRAINED JOINT.

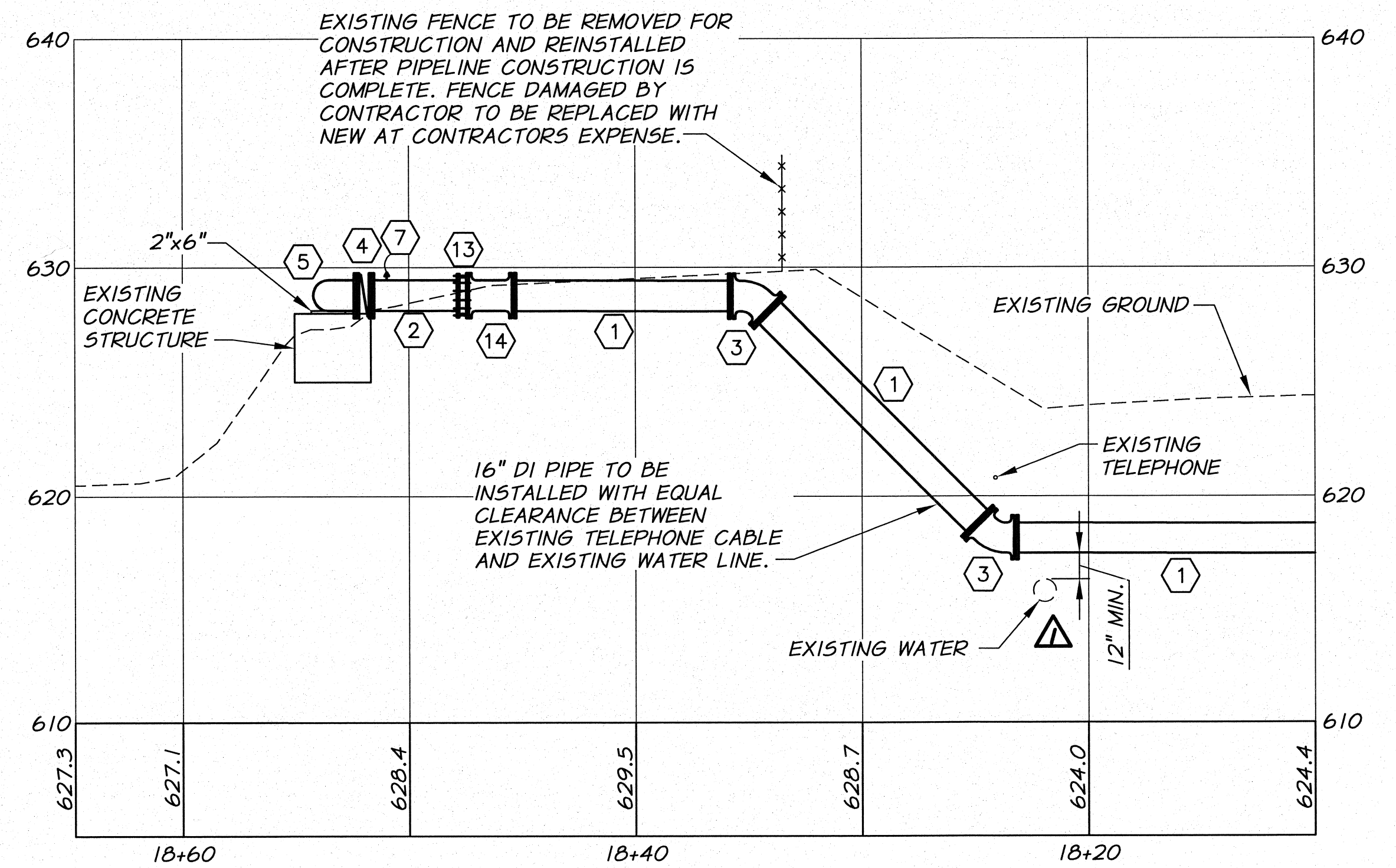
PAY LIMIT "16 INCH STEEL DISCHARGE MANIFOLD AND CONCRETE WORK"

PLACE 2x6 BENEATH PIPE (TYP. 5 LOCATIONS)

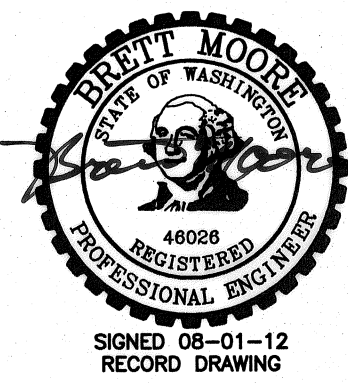
EMERGENCY OVERFLOW, TYP. 4. SEE ⑩



PLAN
1/2"=1'-0"



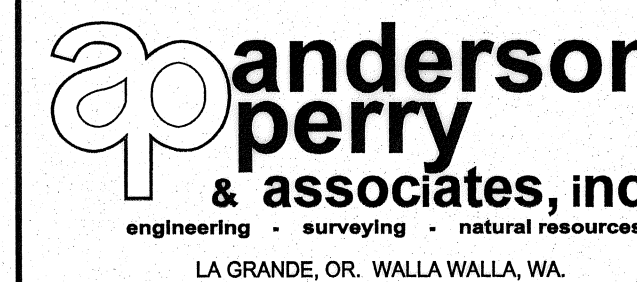
PROFILE
1"=5' HORIZ.
1"=5' VERT.



REVISION		BY		DATE		HORIZ. SCALE		VERT. SCALE	
RECORD DRAWING		E.H.		4/12		AS NOTED			
DESIGNED BY		R. HARRIS		XREFS: TB-BID.dwg		JOB NUMBER		DATE	
DRAWN BY		P. RICHARDSON				1199-336		2010	
REVIEWED BY		J. HOLLOPETER				ACAD FILE		HighlandSouth.dwg	
COPYRIGHT 2010 BY ANDERSON-PERRY & ASSOC., INC.									

RECORD DRAWINGS

These record drawings have been prepared, in part, on the basis of information compiled and furnished by others. They may contain some discrepancies and omissions, and do not necessarily represent "exact" field conditions. The Owner and the Engineer accept no responsibility for their accuracy.



BENTON IRRIGATION DISTRICT
IRRIGATION SYSTEM IMPROVEMENTS
PHASE 2A

HIGHLAND SOUTH PIPING
IRRIGATION POND DISCHARGE PLAN AND PROFILE

SHEET

52