


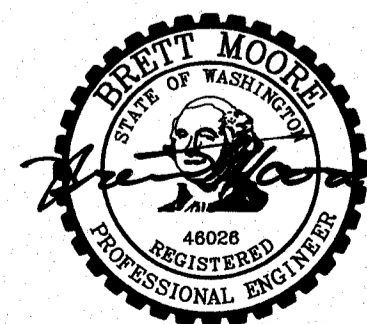
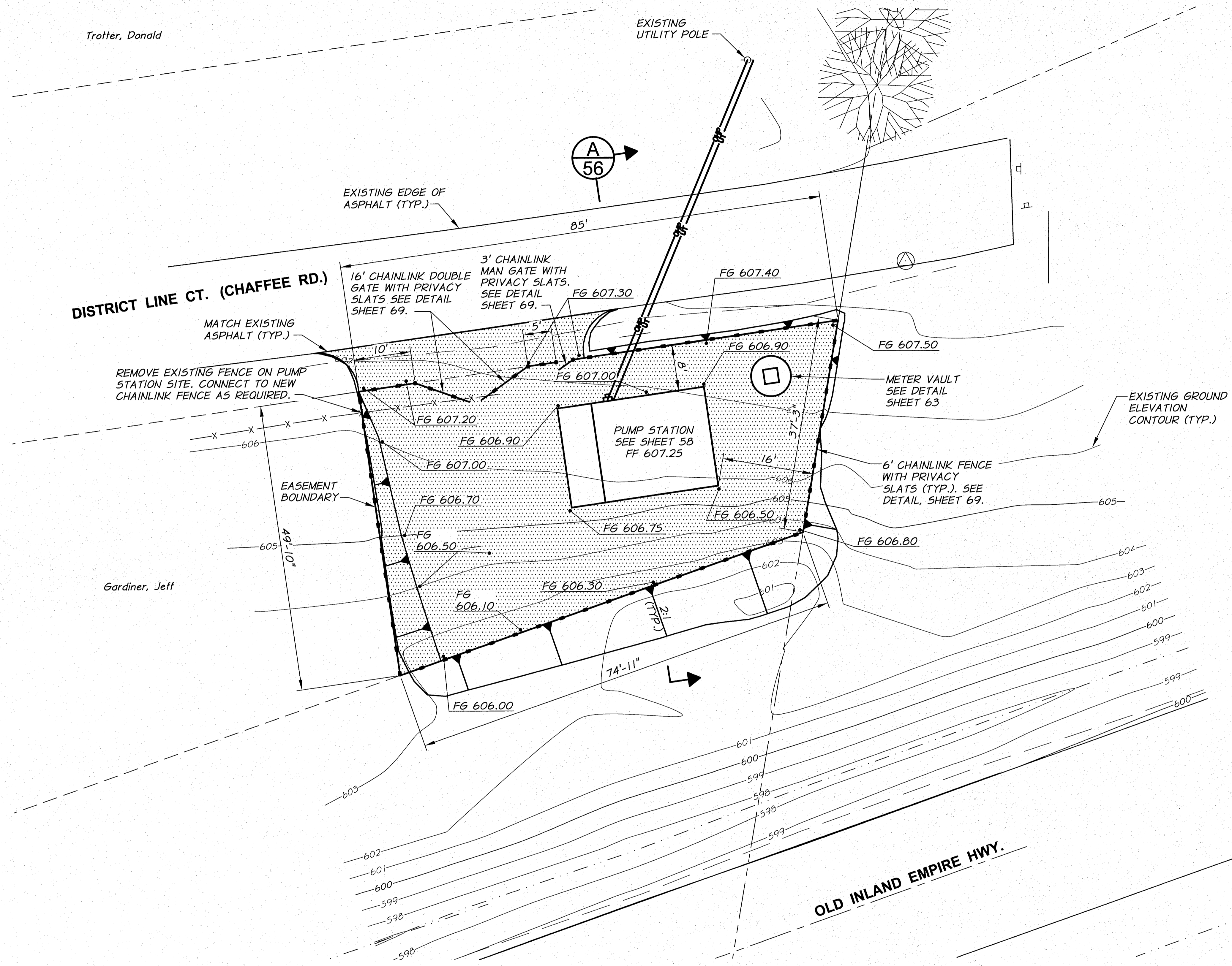


LEGEND

 PLACE 6" OF COMPACTED BASE ROCK OVER COMPACTED NATIVE AND EMBANKMENT MATERIAL IN THIS AREA

NOTES

1. PIPING NOT SHOWN FOR CLARITY. SEE SHEET 55 FOR PIPING PLAN.
2. SITE SHALL BE CLEARED AND GRUBBED PRIOR TO CONSTRUCTION. MATERIAL REMOVED TO BE DISPOSED OF OFF SITE.
3. IMPORT GENERAL FILL AS REQUIRED TO ACHIEVE FINISH GRADES AS SHOWN.
4. FENCE CORNERS, BUILDING CORNERS, VAULT LOCATIONS, AND PIPE FITTING LOCATIONS WILL BE STAKED BY THE ENGINEER.
5. HYDROSEED DISTURBED AREAS WITHOUT BASE ROCK WITH APPROVED GRASS SEED MIX.
6. GRADING OUTSIDE OF FENCE AS REQUIRED BY THE ENGINEER.
7. ALL WORK THIS SHEET INCLUDED IN PAY ITEM "O.I.E. BOOSTER PUMP STATION".

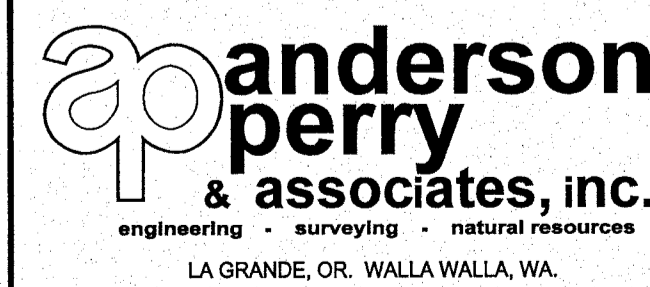


SIGNED 06-04-12
RECORD DRAWINGS

REVISION		BY	DATE	HORIZ. SCALE 1"=10'	VERT. SCALE
DESIGNED BY R. HARRIS		XREFS: TB-BID.dwg		JOB NUMBER 1199-336	DATE 2011
DRAWN BY D. CHRISTMAN		ACAD FILE: OIE-PumpSta.dwg		COPYRIGHT 2011 BY ANDERSON-PERRY & ASSOC., INC.	
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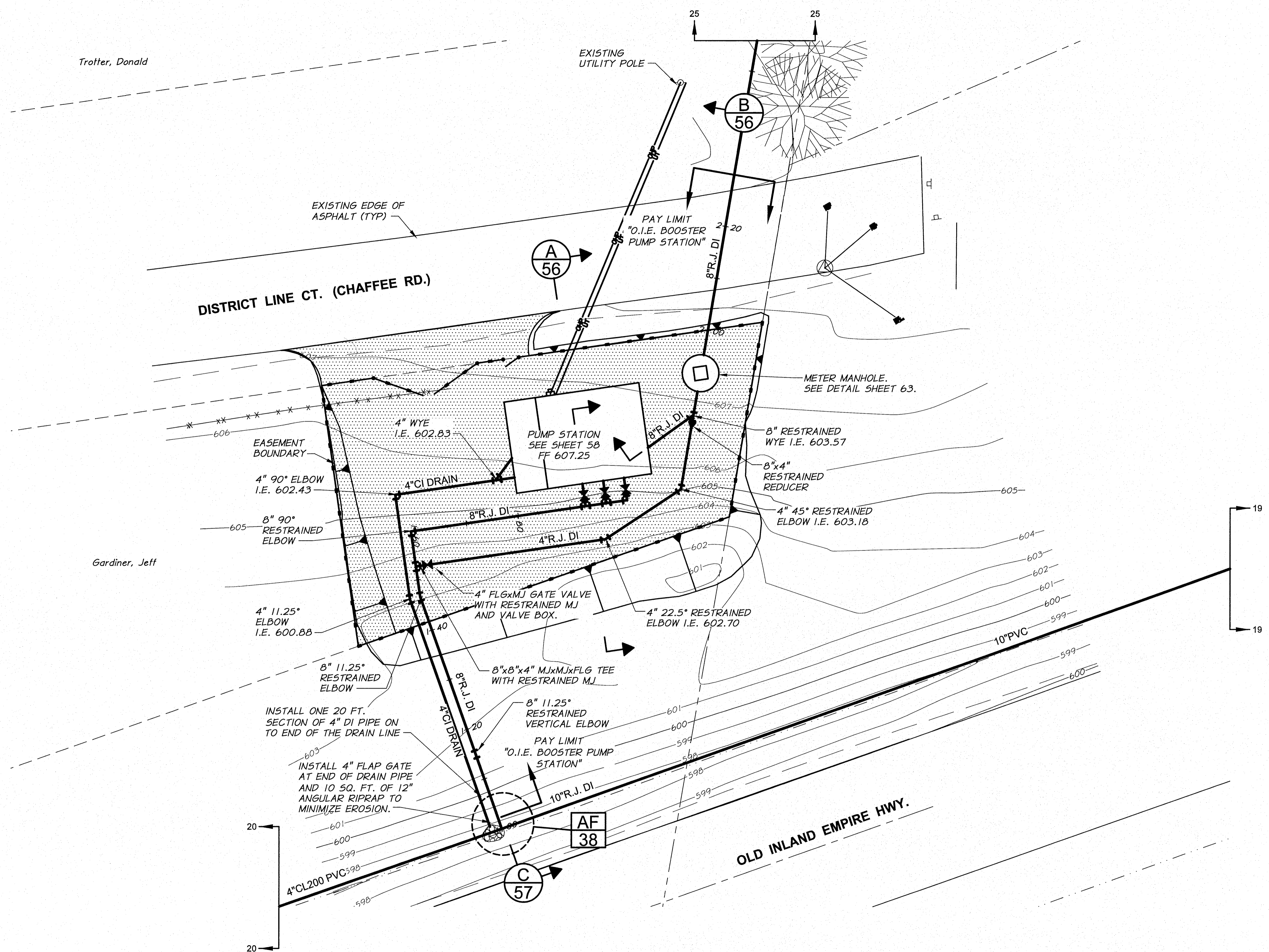
BENTON IRRIGATION DISTRICT
IRRIGATION SYSTEM IMPROVEMENTS
PHASE 2B

O.I.E. PUMP STATION
SITE PLAN

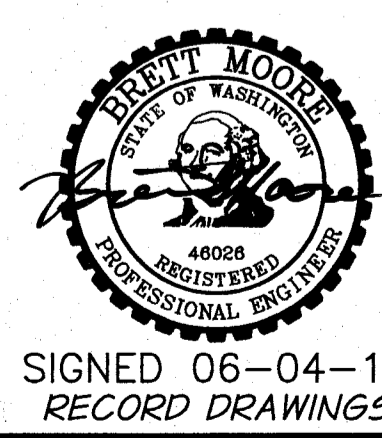
SHEET

54

ARCHIVED

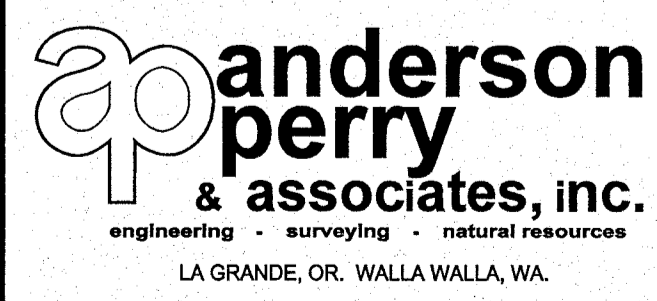


- NOTES**
1. BUILDING, VAULTS, AND PIPE FITTING LOCATIONS WILL BE STAKED BY THE ENGINEER.
 2. SEED DISTURBED AREAS WITHOUT BASE ROCK WITH APPROVED GRASS SEED MIX.
 3. SEE SITE PLAN, SHEET 54, FOR ADDITIONAL INFORMATION.
 4. SEE PUMP STATION MECHANICAL SHEETS 60-61, FOR PIPING ELEVATIONS AND DETAILS NOT SHOWN.
 5. SEE TRENCH DETAILS, SHEET 52, FOR REQUIRED SURFACE RESTORATION.



REVISION		BY	DATE	HORIZ. SCALE 1"=10'	VERT. SCALE
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REVIEWED BY B. MOORE					

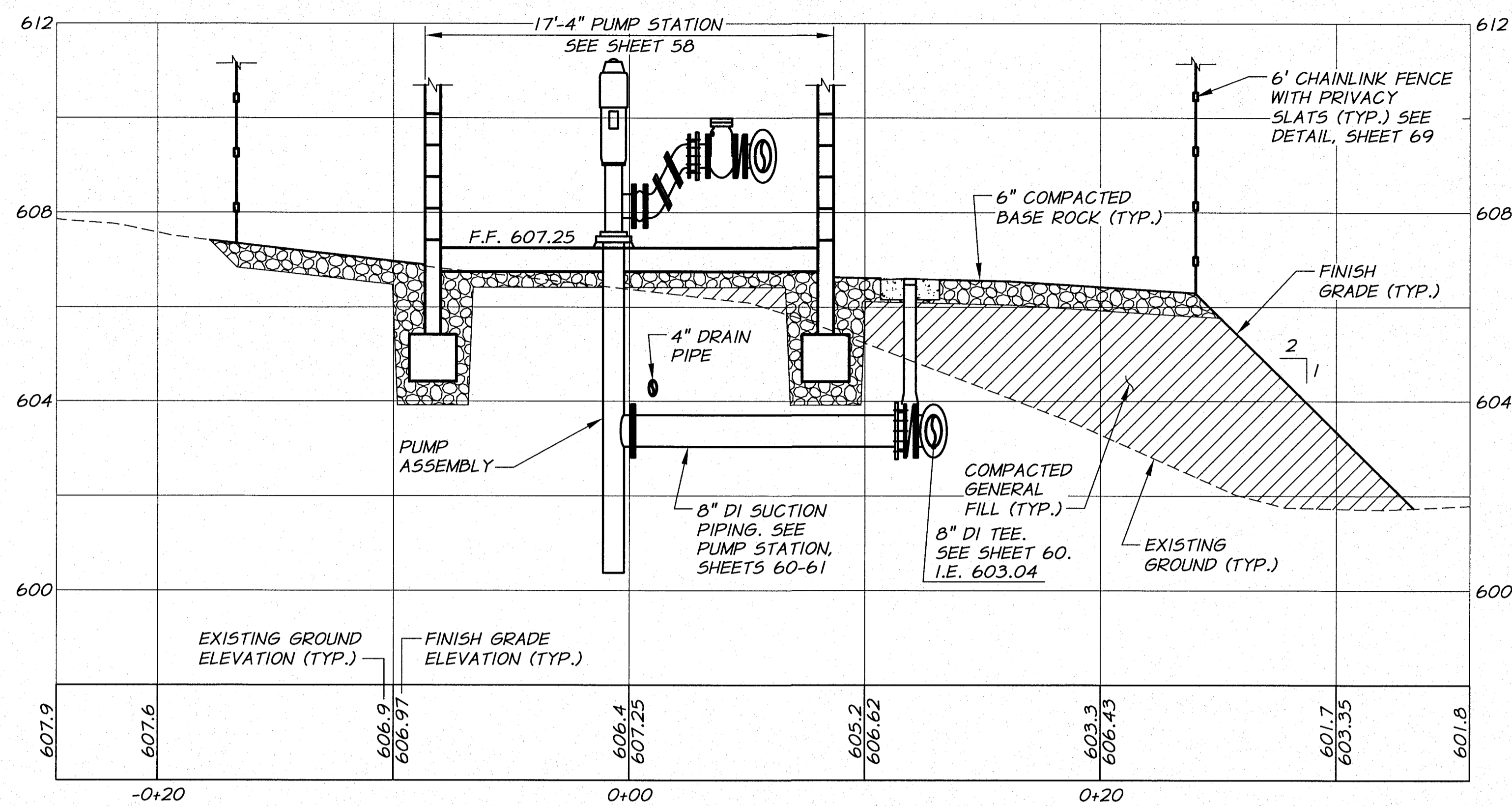
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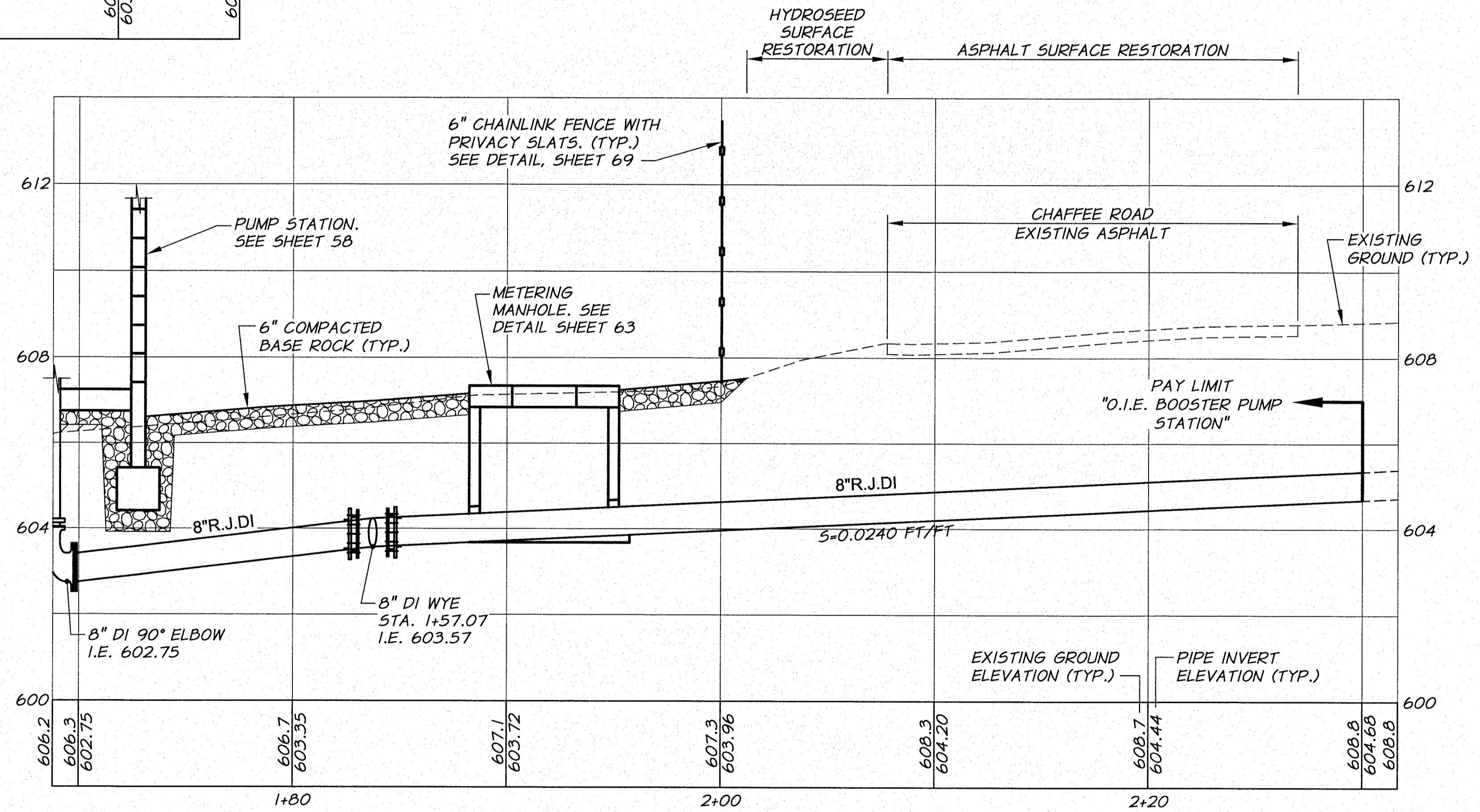
BENTON IRRIGATION DISTRICT
IRRIGATION SYSTEM IMPROVEMENTS
PHASE 2B

O.I.E. PUMP STATION
SITE PIPING PLAN

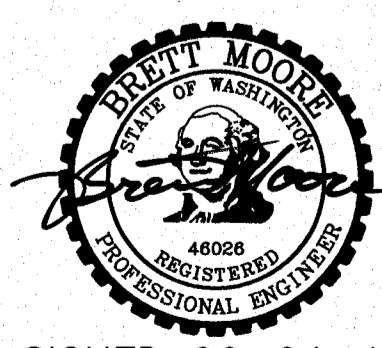
SHEET
55



SECTION A
 1/4"=1'-0" HORZ.
 1/2"=1'-0" VERT.



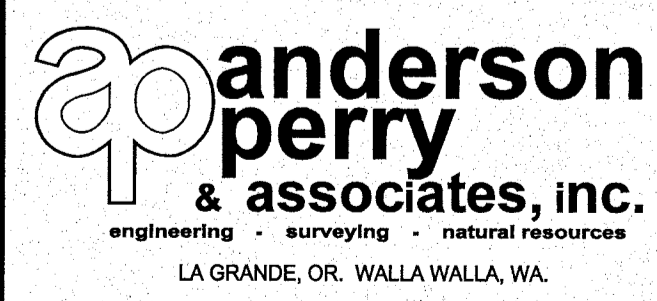
SECTION B
 DISCHARGE PIPING PROFILE
 1/4"=1'-0" HORZ.
 1/2"=1'-0" VERT.



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 RECORD DRAWINGS

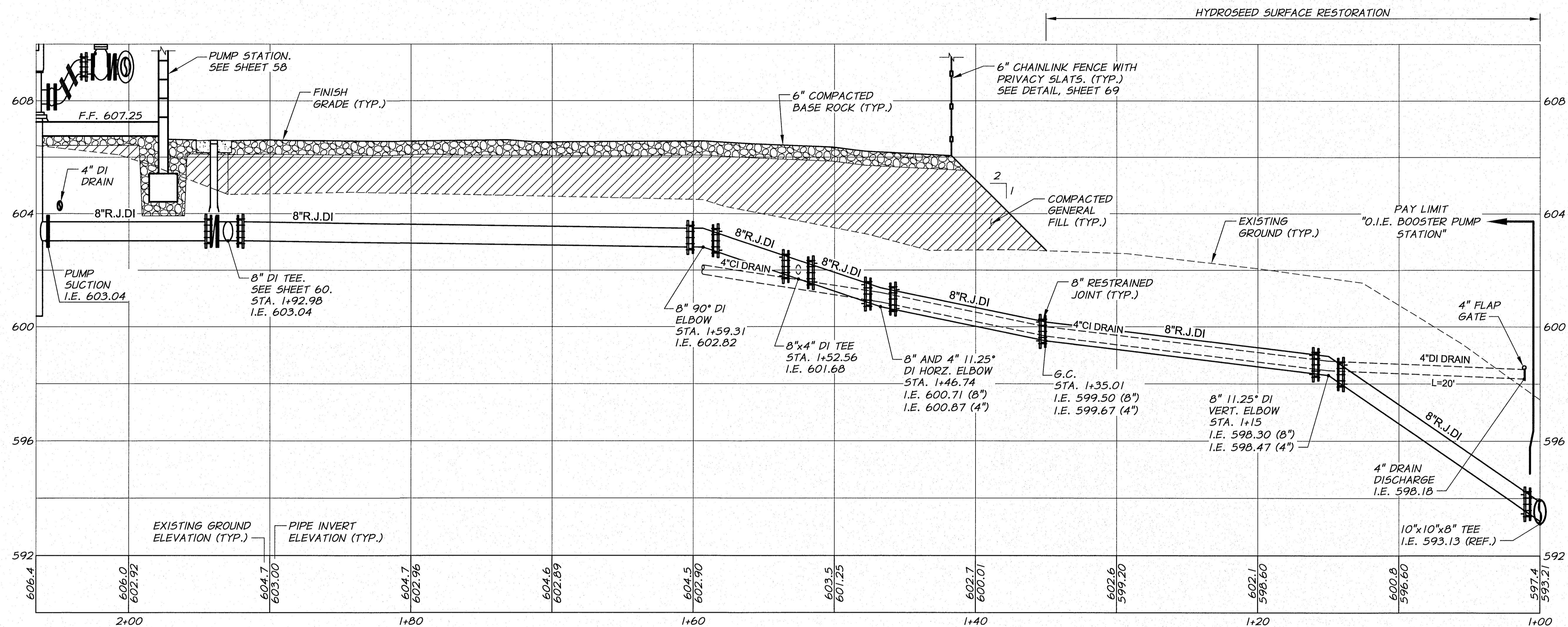
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DESIGNED BY R. HARRIS	XREFS: TB-BID.dwg		JOB NUMBER 1199-336	DATE 2011
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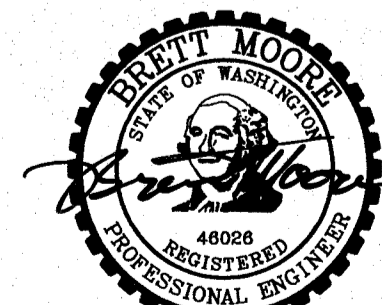


BENTON IRRIGATION DISTRICT
 IRRIGATION SYSTEM IMPROVEMENTS
 PHASE 2B
 O.I.E. PUMP STATION
 PIPING SECTIONS I

SHEET
56



SECTION C
 SUCTION PIPING PROFILE
 1/4"=1'-0" HORIZ.
 1/2"=1'-0" VERT.

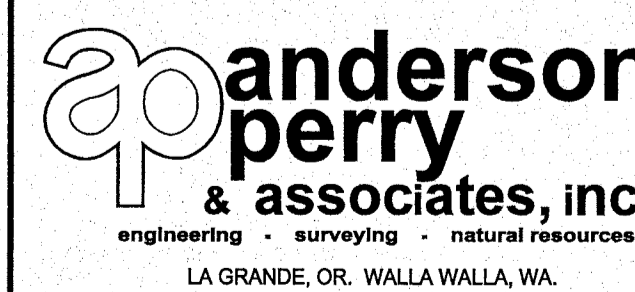


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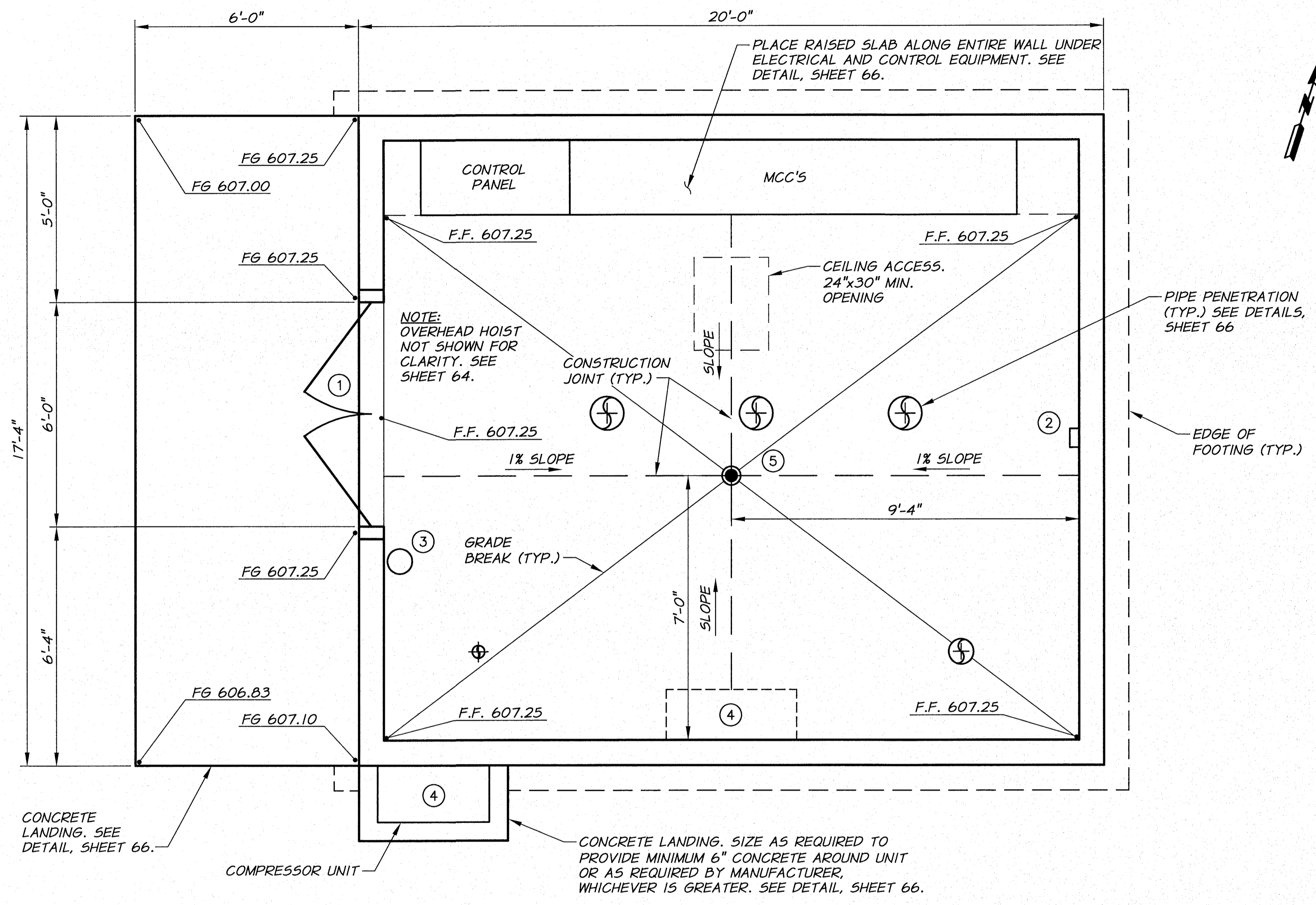


BENTON IRRIGATION DISTRICT
 IRRIGATION SYSTEM IMPROVEMENTS
 PHASE 2B

O.I.E. PUMP STATION
 PIPING SECTIONS II

SHEET

57



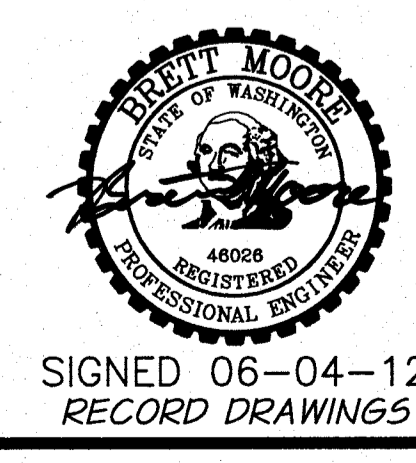
EQUIPMENT SCHEDULE

- ① 6'-0" X 6'-8" HOLLOW CORE EXTERIOR INSULATED STEEL DOORS WITH 5" WIDE X 1'-8" HIGH WINDOW IN EACH DOOR. PROVIDE HINGED TRANSOM PANELS ABOVE WITH REMOVABLE FRAME BETWEEN DOORS AND PANELS. SEE TECHNICAL SPECIFICATIONS "BUILDINGS AND STRUCTURES".
- ② THERMOSTAT, HEATING/COOLING CONTROL
- ③ 10 LB. TYPE ABC FIRE EXTINGUISHER. WALL MOUNT 4'-0" ABOVE FINISH FLOOR.
- ④ SPLIT SYSTEM AIR CONDITIONER. SEE TECHNICAL SPECIFICATIONS.
- ⑤ FLOOR DRAIN. SEE DETAIL, SHEET 67.

NOTES

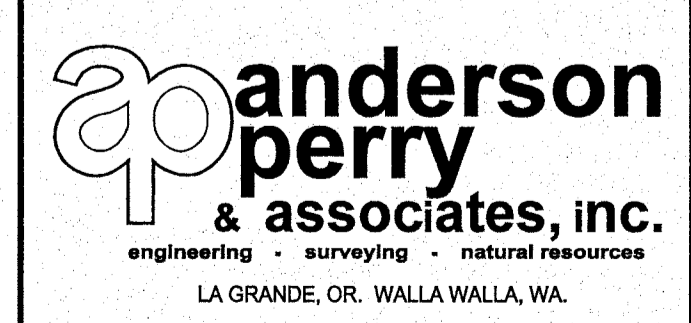
- 1. SEE TECHNICAL SPECIFICATIONS, AND TYPICAL DETAILS FOR BUILDING CONSTRUCTION REQUIREMENTS.
- 2. SEE SHEET 60 FOR MECHANICAL DETAILS NOT SHOWN.
- 3. ORIENT ROOF LINE EAST-WEST.
- 4. CEILING HEIGHT = 11'-1" (FINISHED FLOOR TO CEILING).
- 5. BLOCK WALLS SHALL BE GROUTED SOLID.
- 6. SEE ELECTRICAL DRAWINGS FOR ACTUAL EQUIPMENT LOCATION AND REQUIREMENTS.
- 7. PAINT BUILDING PER REQUIREMENTS OF TECHNICAL SPECIFICATIONS "PAINTING".
- 8. PROVIDE TEMPERATURE SENSOR, INTRUSION ALARM AND SMOKE DETECTOR. CONNECT ALL SYSTEMS TO CONTROL PANEL AS REQUIRED.

FLOOR PLAN
1/2"=1'-0"



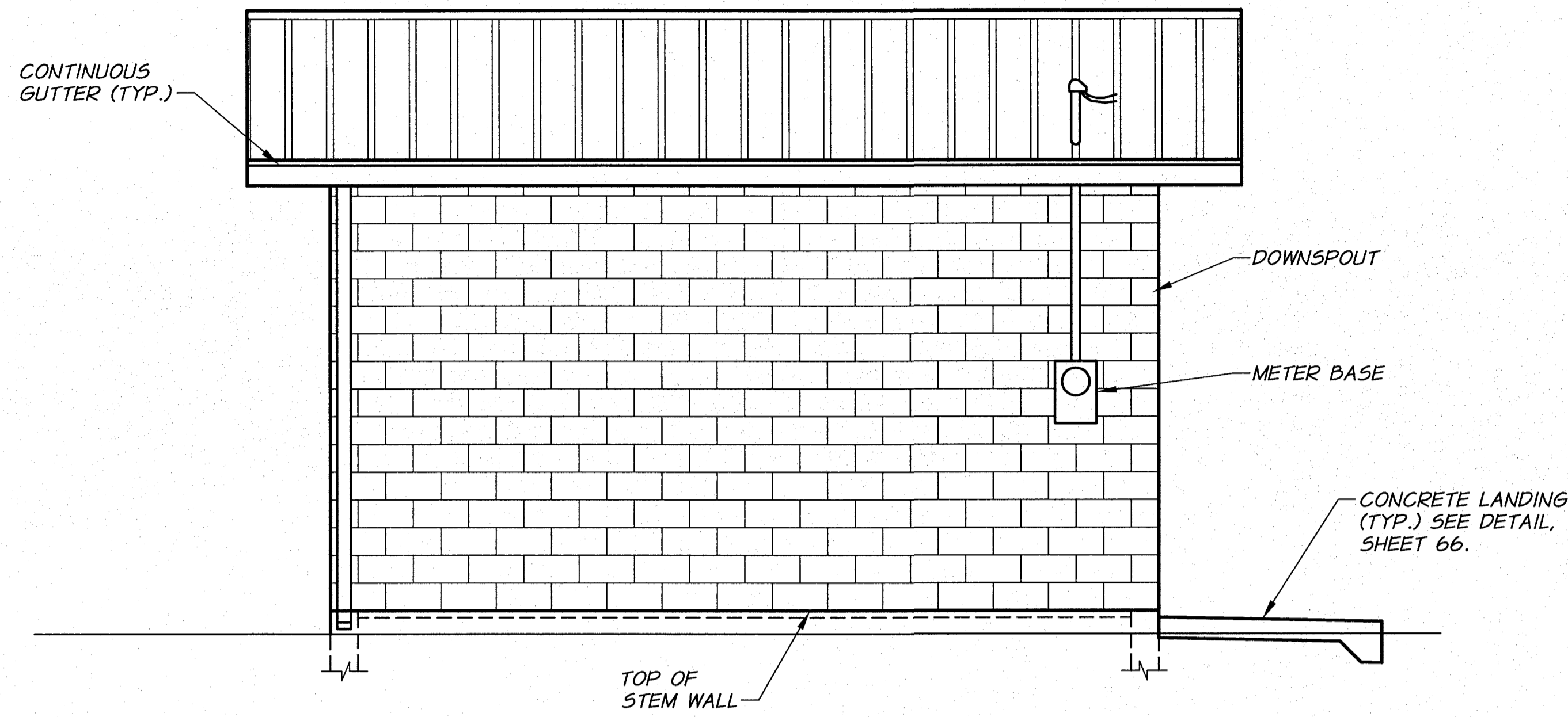
REVISION	BY	DATE	HORIZ. SCALE 1/2"=1'-0"	VERT. SCALE
DESIGNED BY R. HARRIS			JOB NUMBER 1199-336	DATE 2011
DRAWN BY D. CHRISTMAN			ACAD FILE: OIE-PumpSta.dwg	
REVIEWED BY B. MOORE			COPYRIGHT 2011 BY ANDERSON-PERRY & ASSOC., INC.	

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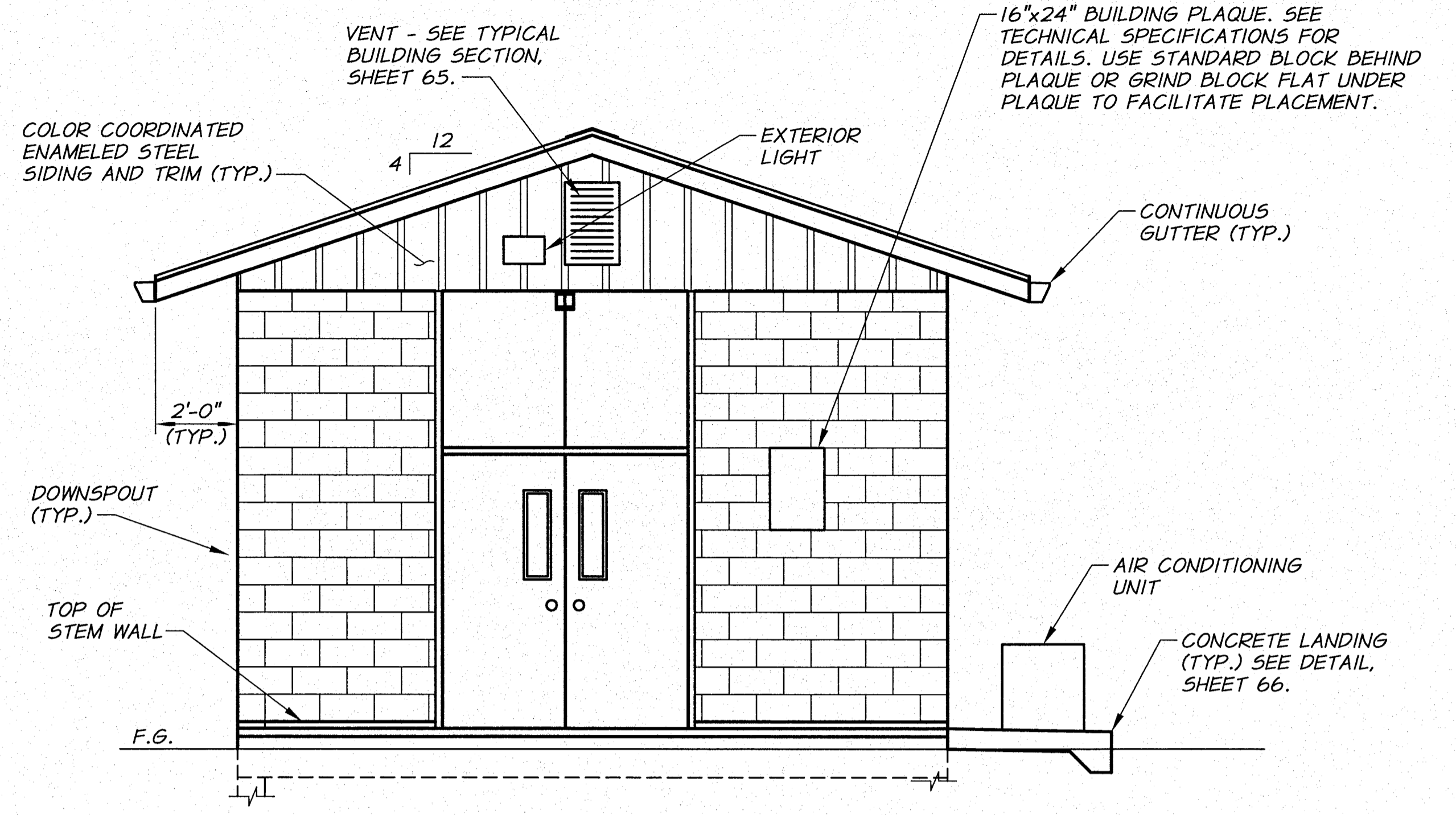


BENTON IRRIGATION DISTRICT
IRRIGATION SYSTEM IMPROVEMENTS
PHASE 2B

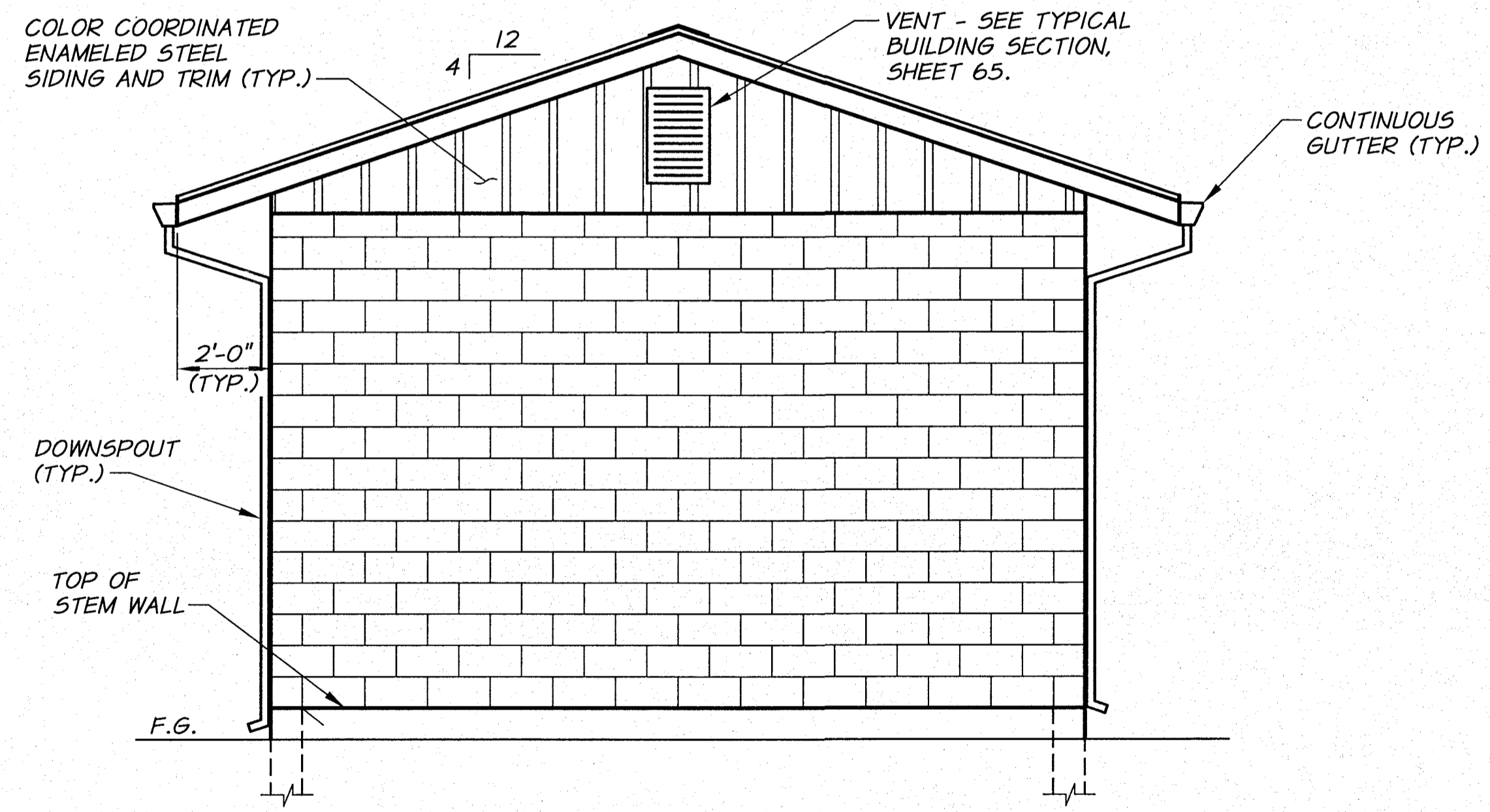
O.I.E. PUMP STATION
FLOOR PLAN



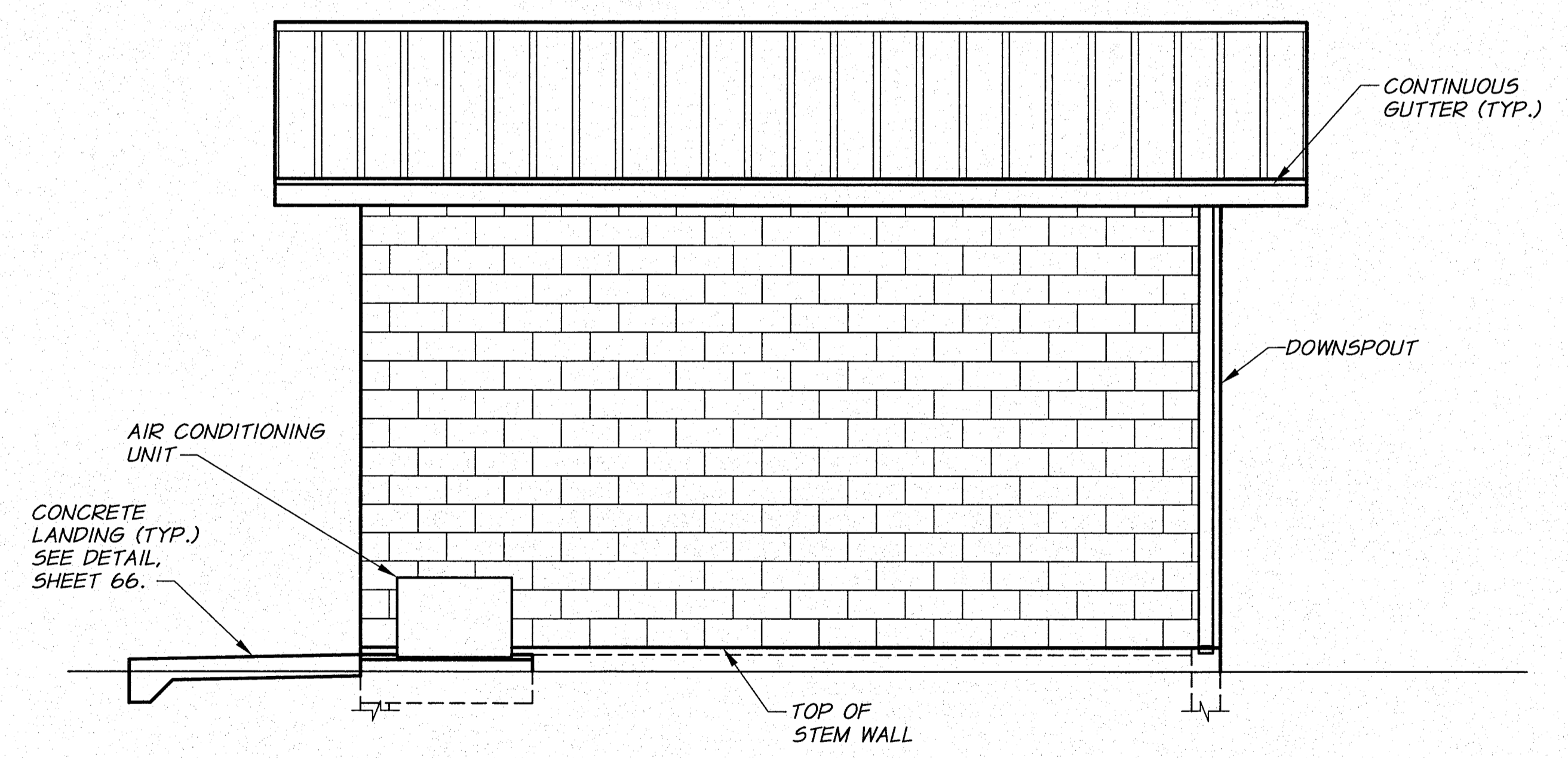
NORTH ELEVATION
3/8"=1'-0"



WEST ELEVATION
3/8"=1'-0"



EAST ELEVATION
3/8"=1'-0"

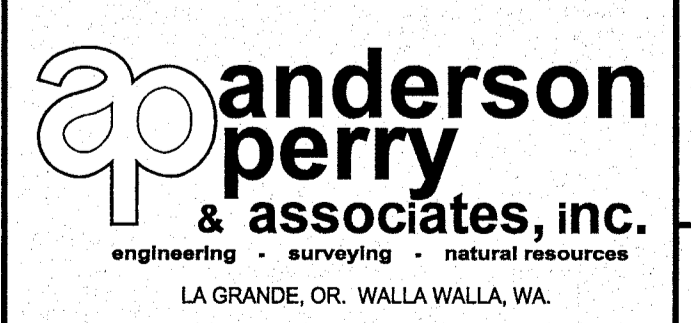


SOUTH ELEVATION
3/8"=1'-0"



REVISION		BY	DATE	HORIZ. SCALE 3/8"=1'-0"	VERT. SCALE
DESIGNED BY R. HARRIS		XREFS: TB-BID.dwg		JOB NUMBER 1199-336	DATE 2011
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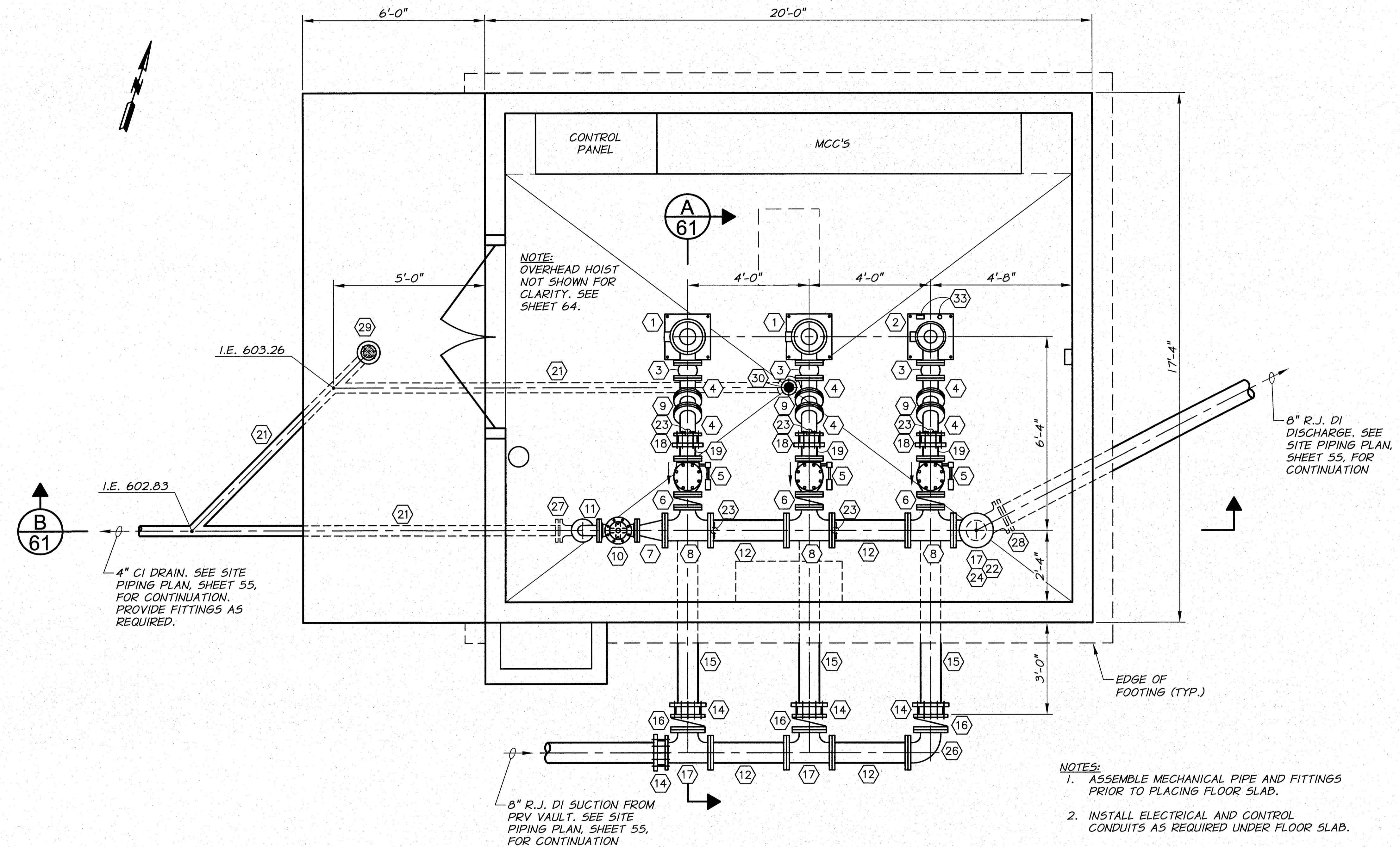


BENTON IRRIGATION DISTRICT
IRRIGATION SYSTEM IMPROVEMENTS
PHASE 2B

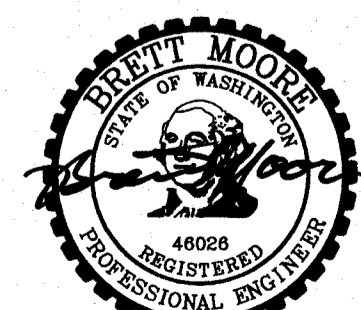
O.I.E. PUMP STATION
ELEVATIONS

PIPE AND FITTING SCHEDULE

- ① 20 HP CANNED VERTICAL TURBINE PUMP ASSEMBLY. SEE TECHNICAL SPECIFICATIONS.
- ② 10 HP CANNED VERTICAL TURBINE PUMP ASSEMBLY. SEE TECHNICAL SPECIFICATIONS.
- ③ 6"x____" FLEXIBLE CONNECTOR WITH TIE RODS. SIZE TO MATCH PUMP DISCHARGE FLANGE.
- ④ 6" FLG 45° ELBOW
- ⑤ 6" FLG SWING CHECK VALVE WITH AIR CUSHION.
- ⑥ 6" FLG BUTTERFLY VALVE WITH HANDWHEEL OPERATOR AND POSITION INDICATOR
- ⑦ 8"x4" FLG CONCENTRIC REDUCER
- ⑧ 8"x8"x6" FLG TEE
- ⑨ 6" FLG SPOOL X 8" LONG
- ⑩ 4" SURGE ANTICIPATOR PRESSURE RELIEF VALVE. SEE TECHNICAL SPECIFICATIONS.
- ⑪ 4" FLG 90° ELBOW
- ⑫ 8" FLG DI SPOOL X 2'-6" LONG
- ⑬ VERTICAL TURBINE PUMP CAN WITH 8" FLG INLET. CAN SIZE TO BE DETERMINED BY PUMP MANUFACTURER.
- ⑭ 8" RESTRAINED FLG COUPLING ADAPTER
- ⑮ 8" FLGxPE SPOOL LENGTH AS REQUIRED
- ⑯ 8" FLG GATE VALVE WITH 2" OPERATOR NUT AND VALVE BOX WITH CONCRETE COLLAR. SEE VALVE BOX DETAIL SHEET 51.
- ⑰ 8" FLG TEE
- ⑱ 6" RESTRAINED FLG COUPLING ADAPTER
- ⑲ 6" FLGxPE SPOOL, LENGTH AS REQUIRED
- ⑳ 8" DI SPOOL, LENGTH AS REQUIRED
- ㉑ 4" CI SPOOL LENGTH AS REQUIRED
- ㉒ 1" COMBINATION AIR VALVE, APCO 143C OR APPROVED EQUAL PRESSURE GAUGE AND TRANSDUCER. SEE DETAIL SHEET 67.
- ㉓ PIPE SUPPORT. SEE DETAIL SHEET 49.
- ㉔ 8" BLIND FLANGE TAPPED FOR 1" IPT
- ㉕ 4" RESTRAINED FLG COUPLING ADAPTER
- ㉖ 8" FLG 90° ELBOW
- ㉗ 4" MJ 90° ELBOW WITH RESTRAINED JOINTS
- ㉘ 8" MJ 90° ELBOW WITH RESTRAINED JOINTS AND 5 SQ.FT. THRUST BLOCK
- ㉙ 4" CLEANOUT. SEE DETAIL SHEET 67.
- ㉚ 4" FLOOR DRAIN. SEE DETAIL SHEET 67.
- ㉛ PIPE PENETRATION. SEE DETAILS, SHEET 66.
- ㉜ 4" DI SPOOL, LENGTH AS REQUIRED
- ㉝ SUCTION LINE PRESSURE TRANSDUCER AND PRESSURE GAUGE TO BE INSTALLED ON THE BASE FLANGE OF THE PUMP BETWEEN THE CAN AND THE PUMP COLUMN PIPE. SEE DETAIL, SHEET 67, AND TECHNICAL SPECIFICATIONS.



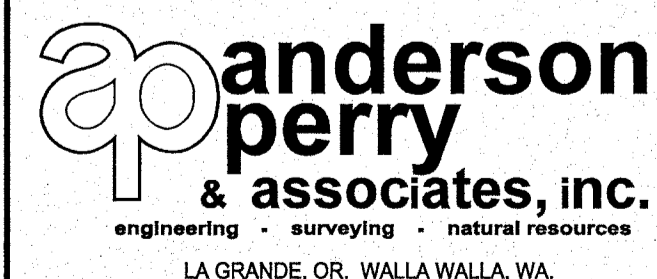
- NOTES:**
1. ASSEMBLE MECHANICAL PIPE AND FITTINGS PRIOR TO PLACING FLOOR SLAB.
 2. INSTALL ELECTRICAL AND CONTROL CONDUITS AS REQUIRED UNDER FLOOR SLAB.
 3. PROVIDE DRAIN FITTINGS AS REQUIRED FOR COMPLETE PIPING SYSTEM
 4. PAINT ALL PIPING AND EQUIPMENT PER TECHNICAL SPECIFICATIONS - "PAINTING".



SIGNED 06-04-12
RECORD DRAWINGS

REVISION	BY	DATE	HORIZ. SCALE 1/2"=1'-0"	VERT. SCALE
DESIGNED BY R. HARRIS			JOB NUMBER 1199-336	DATE 2011
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BENTON IRRIGATION DISTRICT
IRRIGATION SYSTEM IMPROVEMENTS
PHASE 2B

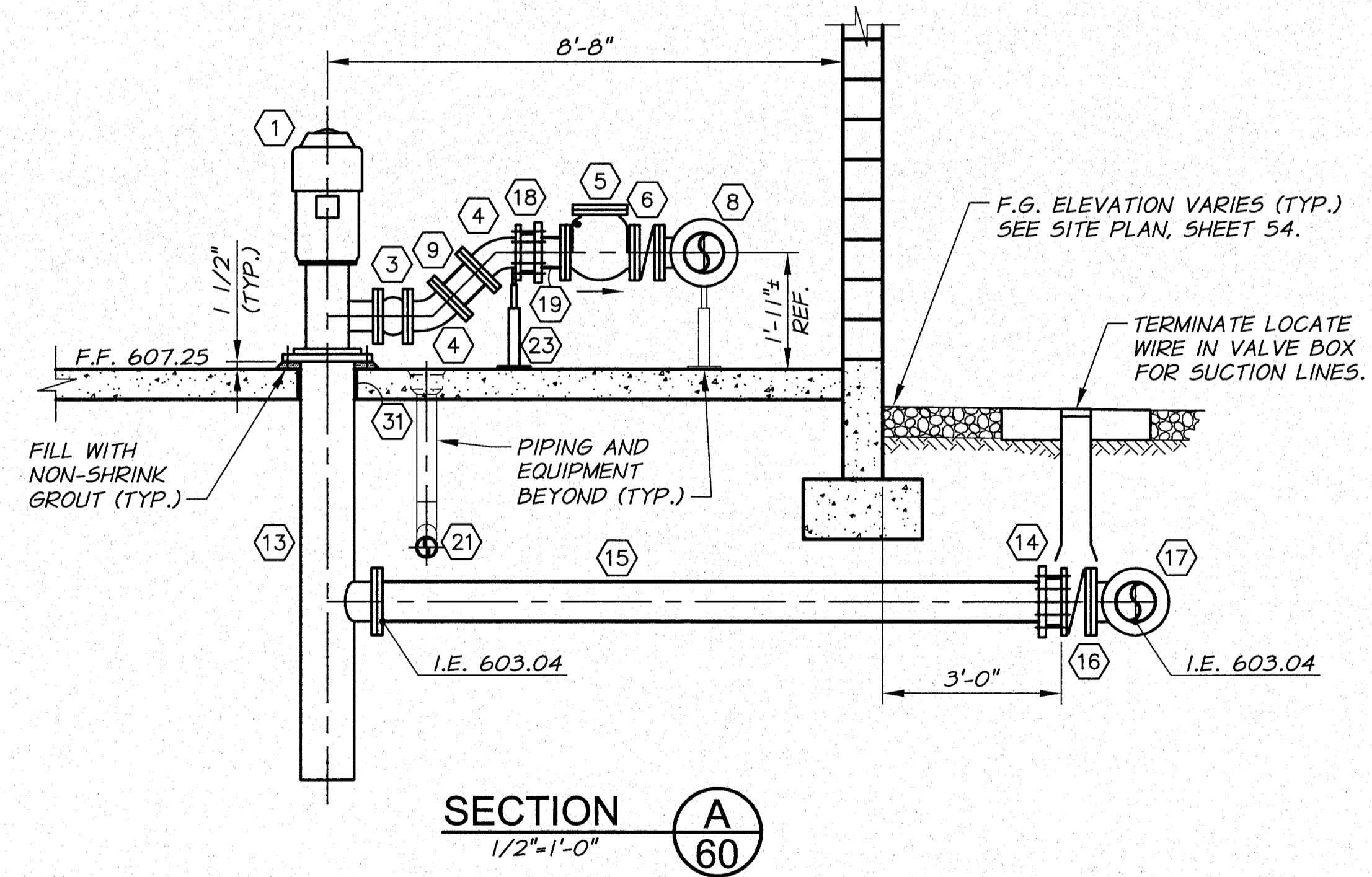
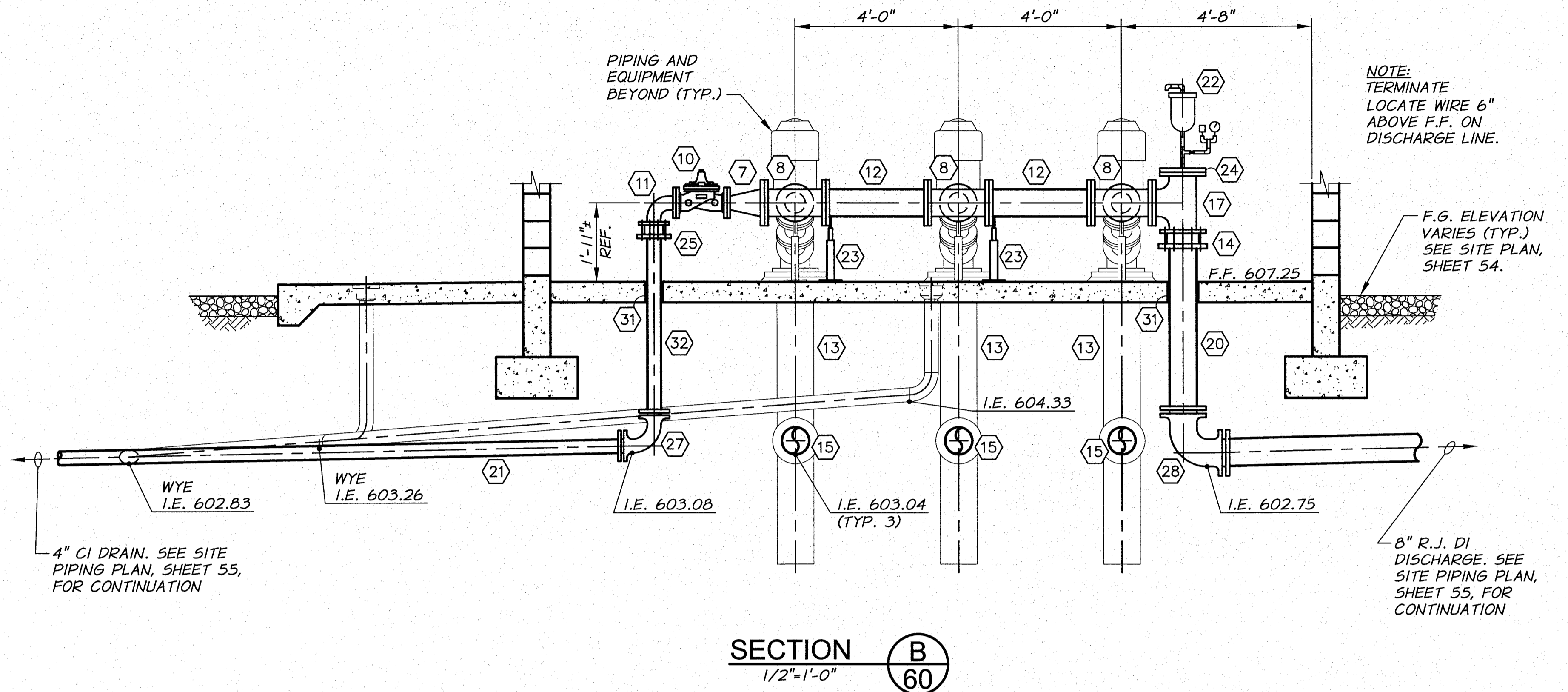
O.I.E. PUMP STATION
MECHANICAL PLAN

SHEET
60

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PIPE AND FITTING SCHEDULE

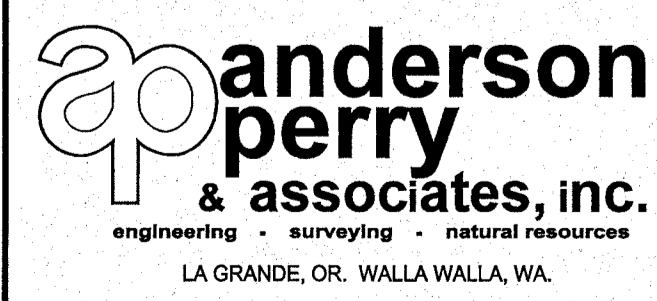
- ① 20 HP CANNED VERTICAL TURBINE PUMP ASSEMBLY. SEE TECHNICAL SPECIFICATIONS.
- ② 10 HP CANNED VERTICAL TURBINE PUMP ASSEMBLY. SEE TECHNICAL SPECIFICATIONS.
- ③ 6"x___" FLEXIBLE CONNECTOR WITH TIE RODS. SIZE TO MATCH PUMP DISCHARGE FLANGE.
- ④ 6" FLG 45° ELBOW
- ⑤ 6" FLG SWING CHECK VALVE WITH AIR CUSHION.
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- ⑦ 8"x4" FLG CONCENTRIC REDUCER
- ⑧ 8"x8"x6" FLG TEE
- ⑨ 6" FLG SPOOL X 8" LONG
- ⑩ 4" SURGE ANTICIPATOR PRESSURE RELIEF VALVE. SEE TECHNICAL SPECIFICATIONS.
- ⑪ 4" FLG 90° ELBOW
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- ⑬ VERTICAL TURBINE PUMP CAN WITH 8" FLG INLET. CAN SIZE TO BE DETERMINED BY PUMP MANUFACTURER.
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- ⑮ 8" FLGxPE SPOOL LENGTH AS REQUIRED
- ⑯ 8" FLG GATE VALVE WITH 2" OPERATOR NUT AND VALVE BOX WITH CONCRETE COLLAR. SEE VALVE BOX DETAIL SHEET 51.
- ⑰ 8" FLG TEE
- ⑱ 6" RESTRAINED FLG COUPLING ADAPTER
- ⑲ 6" FLGxPE SPOOL, LENGTH AS REQUIRED
- ⑳ 8" DI SPOOL, LENGTH AS REQUIRED
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- ㉒ 1" COMBINATION AIR VALVE, APCO 143C OR APPROVED EQUAL, PRESSURE GAUGE AND TRANSDUCER. SEE DETAIL SHEET 67.
- ㉓ PIPE SUPPORT. SEE DETAIL SHEET 49.
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- ㉙ 4" CLEANOUT. SEE DETAIL SHEET 67.
- ㉚ 4" FLOOR DRAIN. SEE DETAIL SHEET 67.
- ㉛ PIPE PENETRATION. SEE DETAILS, SHEET 66.
- ㉜ 4" DI SPOOL, LENGTH AS REQUIRED
- ㉝ SUCTION LINE PRESSURE TRANSDUCER AND PRESSURE GAUGE TO BE INSTALLED ON THE BASE FLANGE OF THE PUMP BETWEEN THE CAN AND THE PUMP COLUMN PIPE. SEE DETAIL, SHEET 67, AND TECHNICAL SPECIFICATIONS.



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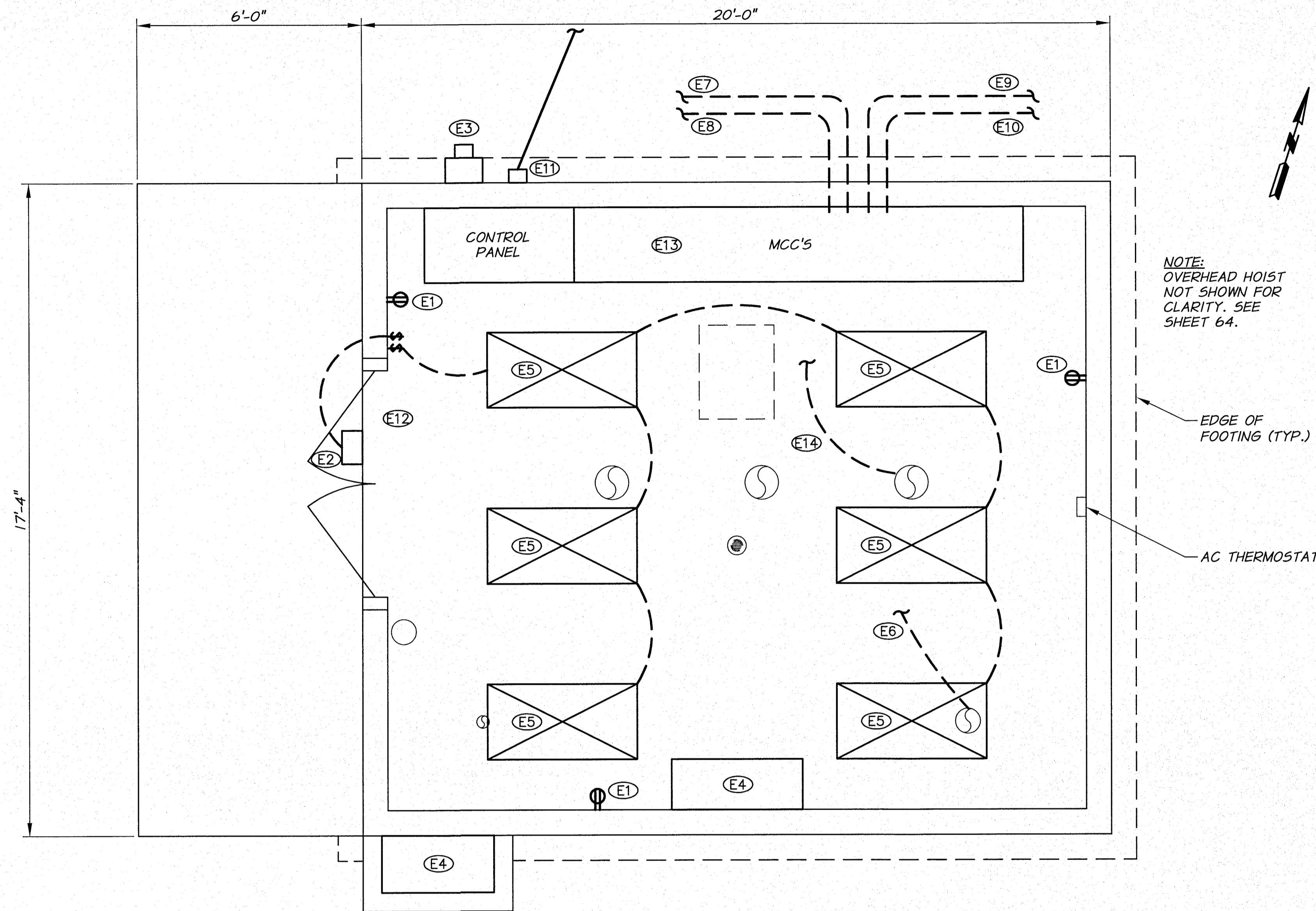
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BENTON IRRIGATION DISTRICT
IRRIGATION SYSTEM IMPROVEMENTS
PHASE 2B

O.I.E. PUMP STATION
MECHANICAL SECTIONS

SHEET
61



NOTE:
OVERHEAD HOIST
NOT SHOWN FOR
CLARITY. SEE
SHEET 64.

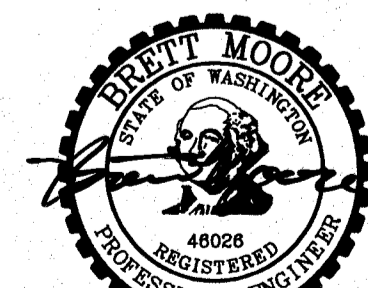
EQUIPMENT SCHEDULE

- (E1) WALL MOUNTED DUPLEX RECEPTICAL, GFI PROTECTED AS REQUIRED BY NEC. MUST BE MOUNTED 18" ABOVE FINISH FLOOR.
- (E2) HIGH PRESSURE SODIUM LIGHT FIXTURE, 100W, 120V. PROVIDE PHOTOELECTRIC CELL SWITCH, MOTION DETECTOR, AND MANUAL OVERRIDE ON/OFF SWITCH.
- (E3) METER AND METER BASE AS REQUIRED BY BREA. COORDINATE OVERHEAD SERVICE AND PROVIDE MATERIALS AS REQUIRED.
- (E4) HEATER AND AIR CONDITIONER SPLIT UNIT WITH WALL MOUNTED INSIDE UNIT. SEE TECHNICAL SPECIFICATIONS.
- (E5) ENERGY EFFICIENT FLOURESCENT WRAP-AROUND LIGHT FIXTURE. FOUR 48" TUBES, 40W, 120V, RAPID START COOL WHITE LAMPS.
- (E6) PRESSURE TRANSDUCER SIGNAL CABLE TO MCC.
- (E7) PRESSURE TRANSDUCER SIGNAL CABLES FROM PRV VAULT TO MCC.
- (E8) POWER SUPPLY TO MOTOR OPERATED SET POINT PRV VALVES.
- (E9) SIGNAL CABLE FROM FLOWMETER VAULT TO CONTROL PANEL.
- (E10) POWER SUPPLY FROM MCC TO FLOWMETER VAULT.
- (E11) UNDERGROUND TELEPHONE SERVICE AS REQUIRED.
- (E12) INTRUSION ALARM
- (E13) SMOKE DETECTOR
- (E14) SUCTION SIDE PRESSURE TRANSDUCER SIGNAL CABLE TO PLC.

NOTE

ALL POWER SUPPLY CABLES AND SIGNAL CABLES TO BE ROUTED IN 1" MIN. ELECTRICAL CONDUIT WITH LONG RADIUS BENDS. ROUTE AS REQUIRED UNDER FLOOR SLAB.

ELECTRICAL SCHEMATIC
1/2"=1'-0"

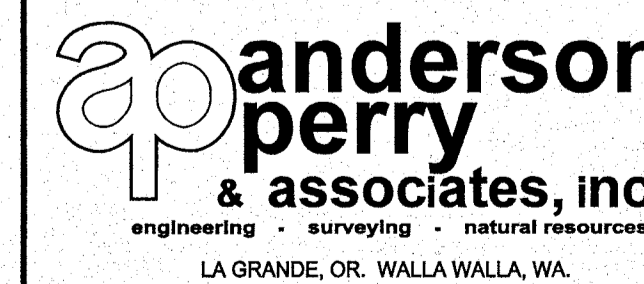


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RECORD DRAWINGS

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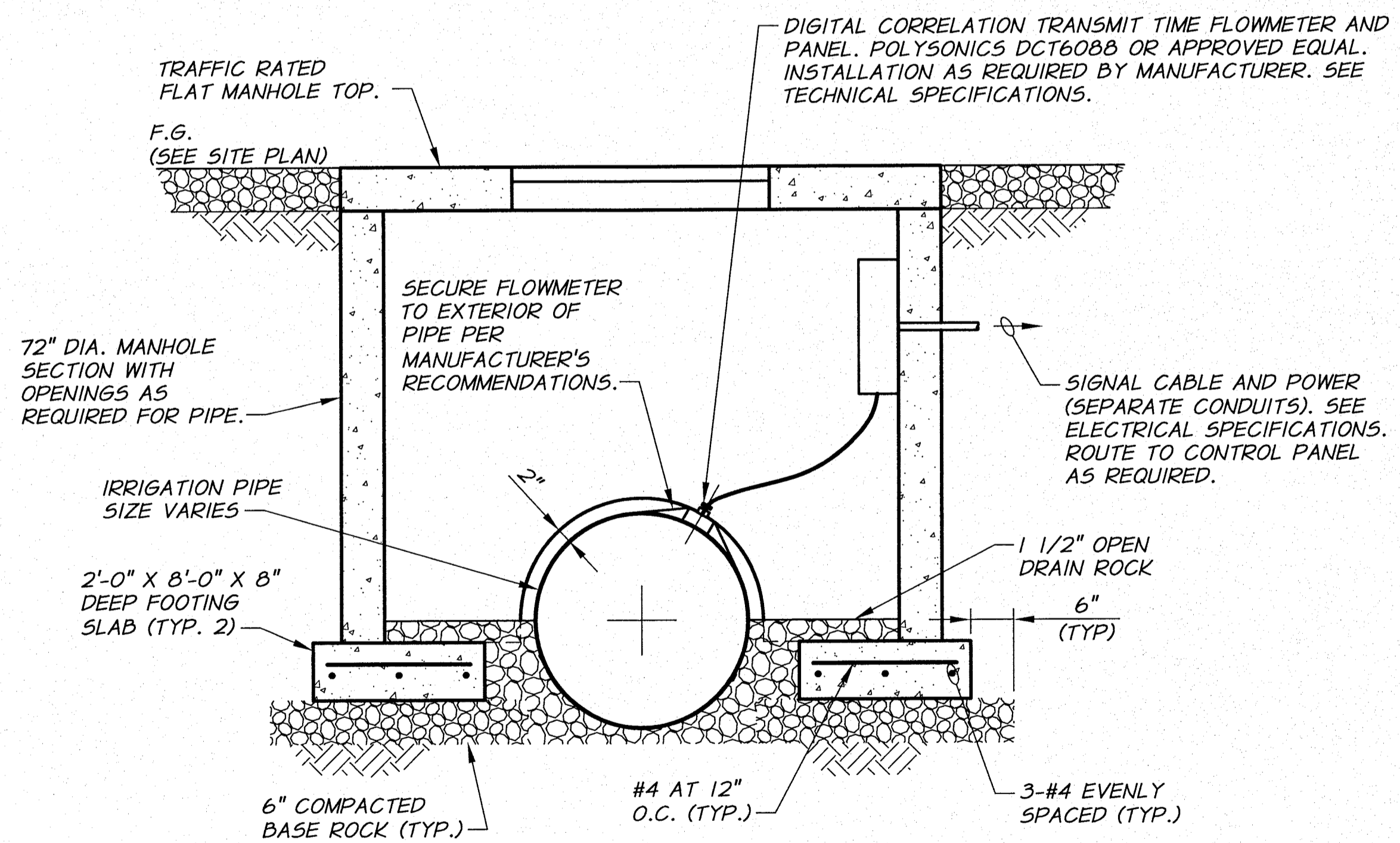
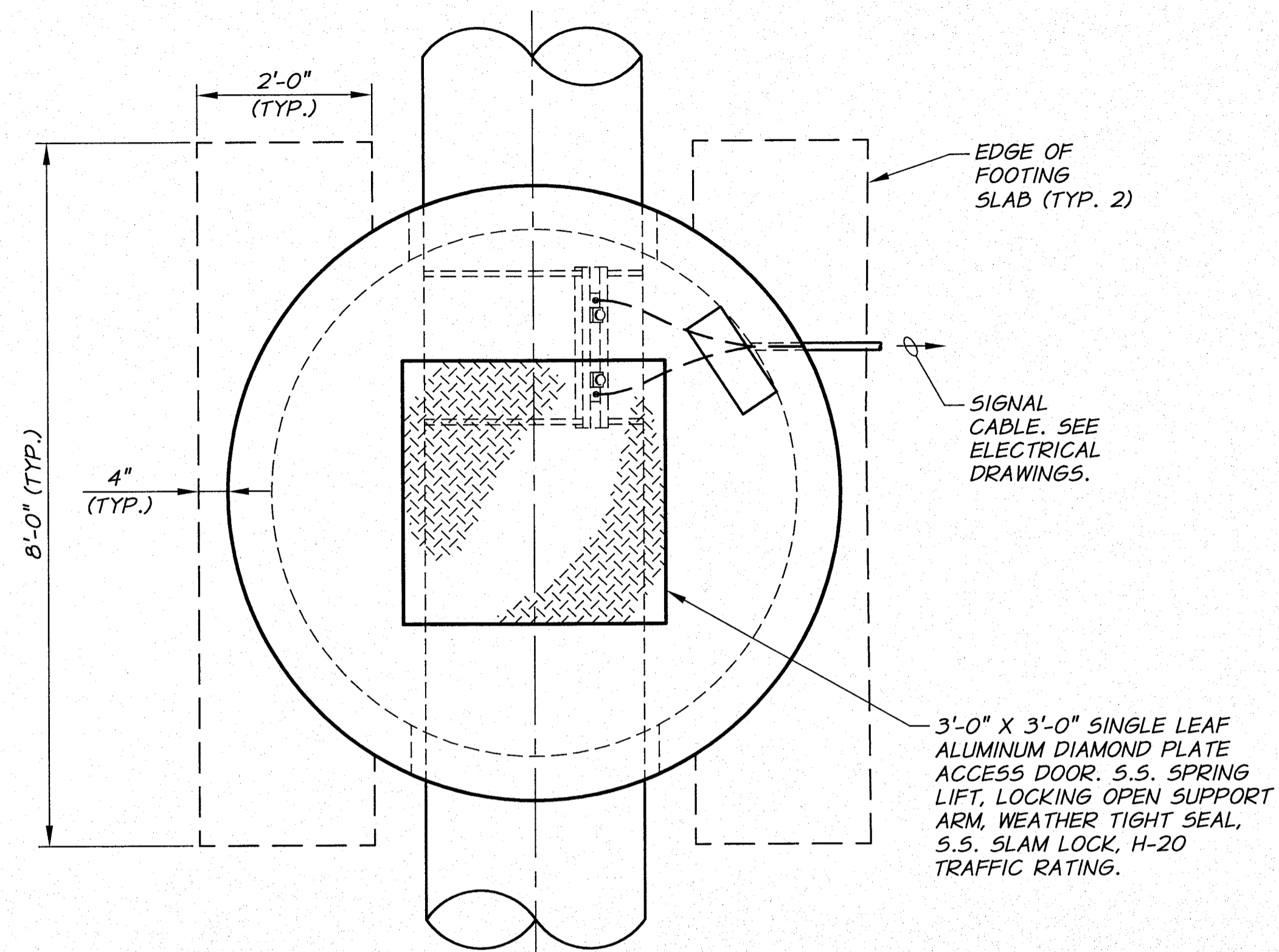
BENTON IRRIGATION DISTRICT
IRRIGATION SYSTEM IMPROVEMENTS
PHASE 2B

O.I.E. PUMP STATION
ELECTRICAL SCHEMATIC

SHEET

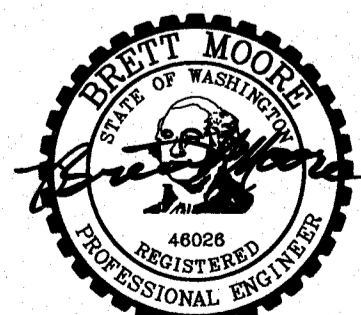
62

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METERING MANHOLE DETAIL

3/4"=1'-0"

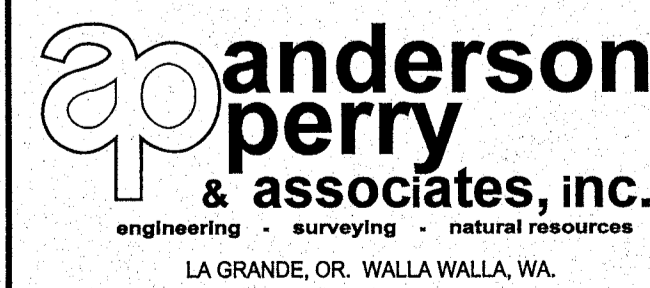


SIGNED 06-04-12
RECORD DRAWINGS

DESIGNED BY	R. HARRIS	DATE	
DRAWN BY	D. CHRISTMAN	DATE	2011
REVIEWED BY	B. MOORE	DATE	
XREFS: TB-BID.dwg		JOB NUMBER 1199-336	
		ACAD FILE: OIE-PumpSta-Vaults.dwg	
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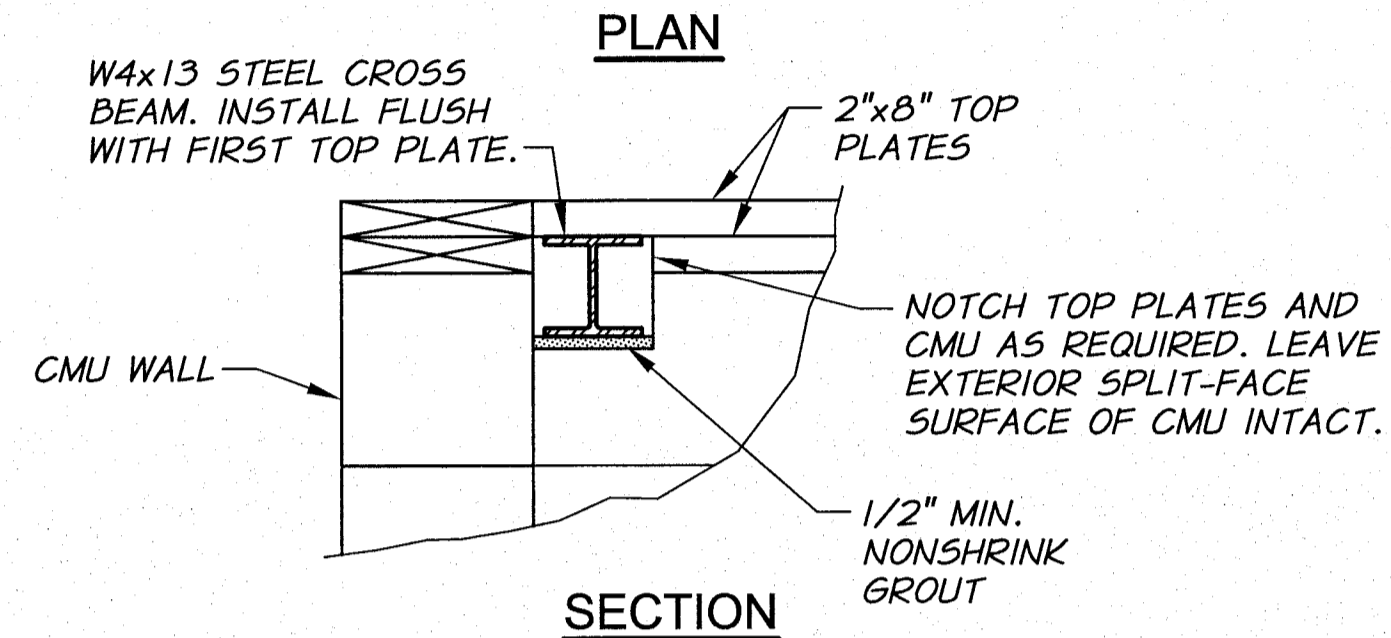
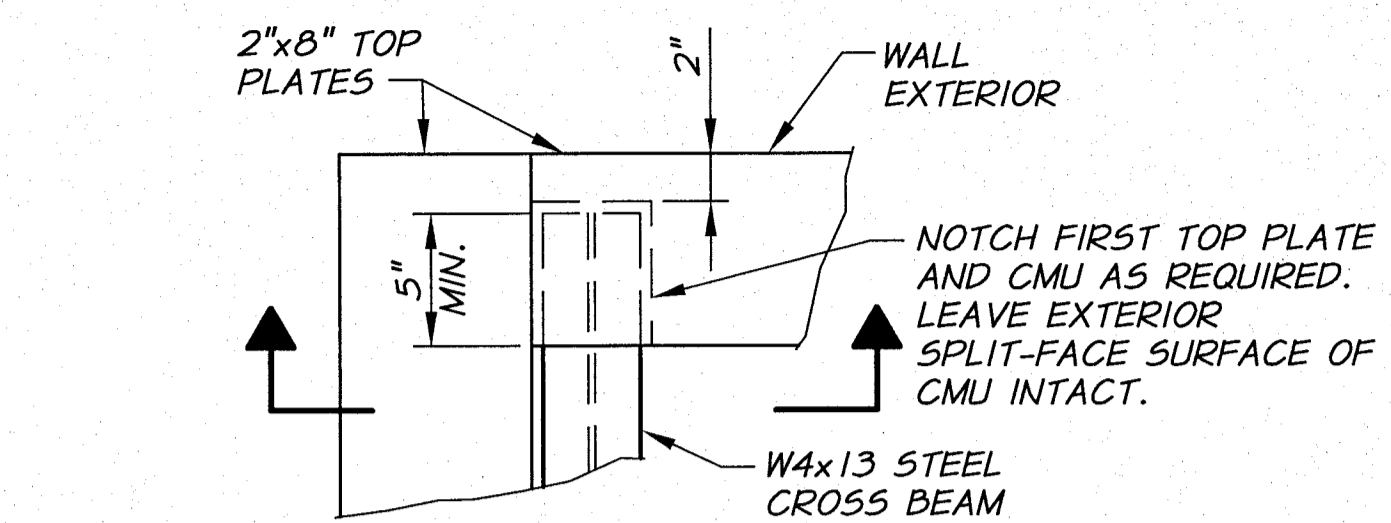
**BENTON IRRIGATION DISTRICT
IRRIGATION SYSTEM IMPROVEMENTS
PHASE 2B**

O.I.E. PUMP STATION
VAULT DETAILS

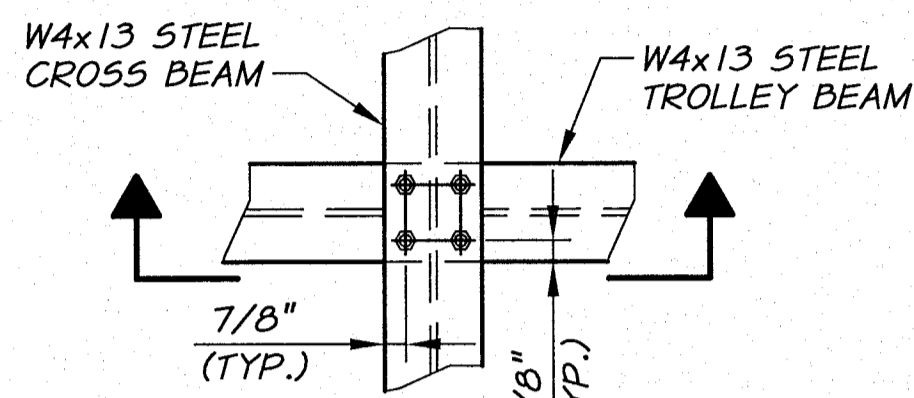
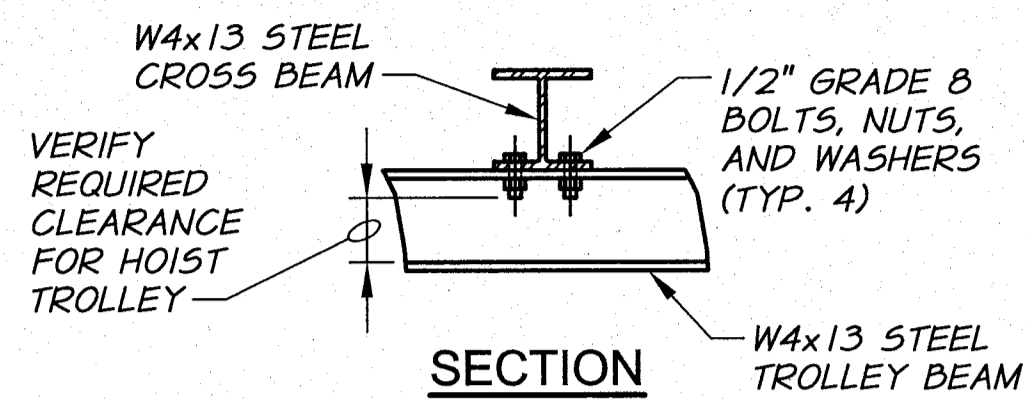
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63

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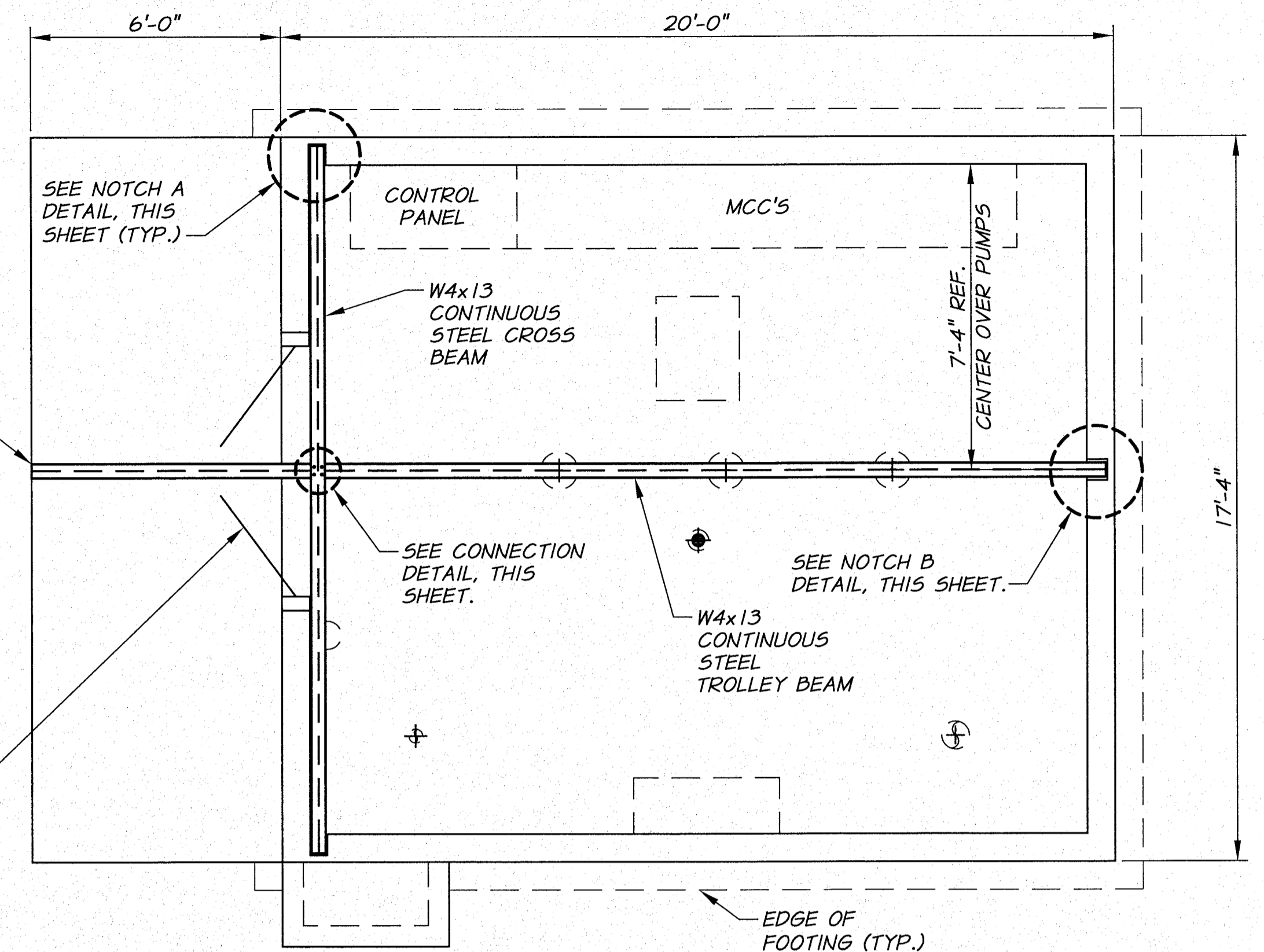
NOTCH "A" DETAIL
1 1/2"=1'-0"



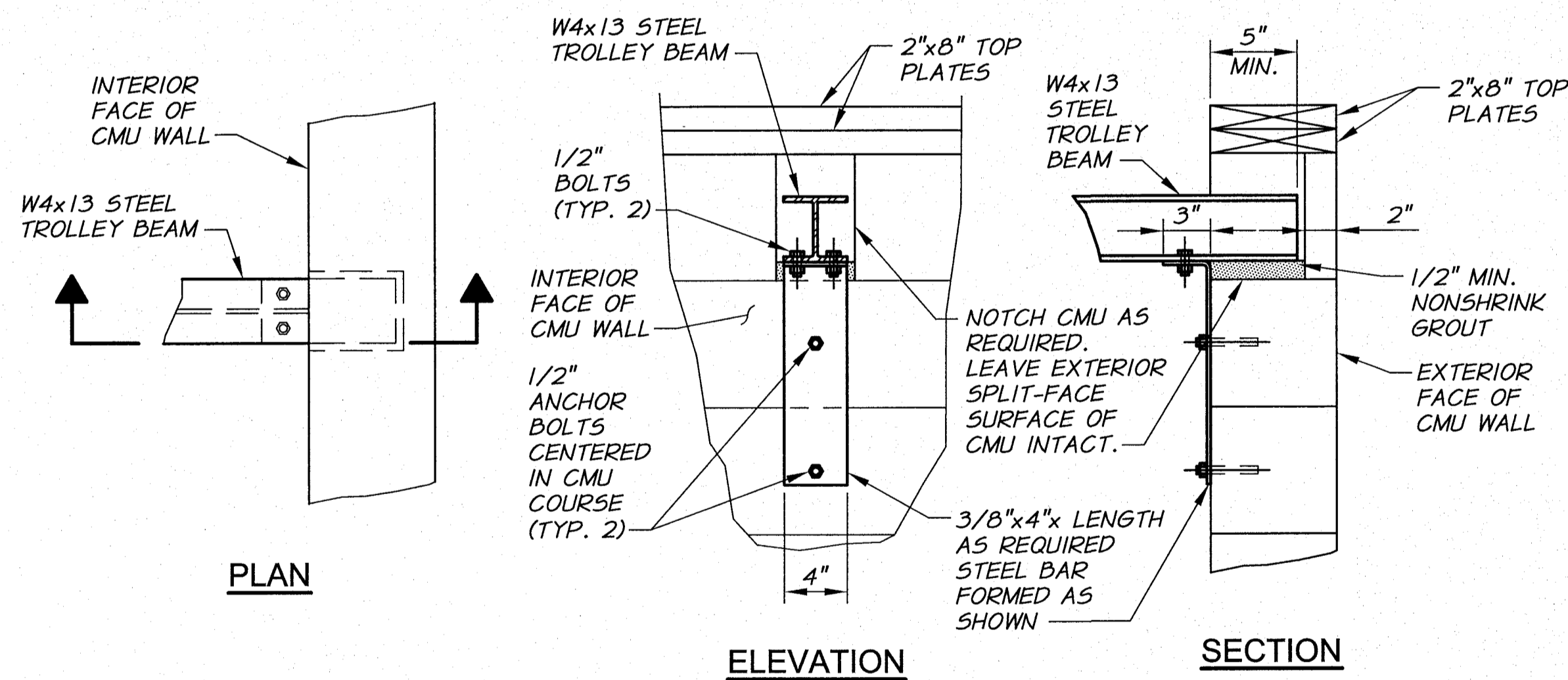
CONNECTION DETAIL
1 1/2"=1'-0"

INSTALL REMOVEABLE SAFETY STOP AT END OF BEAM AS APPROVED BY THE ENGINEER

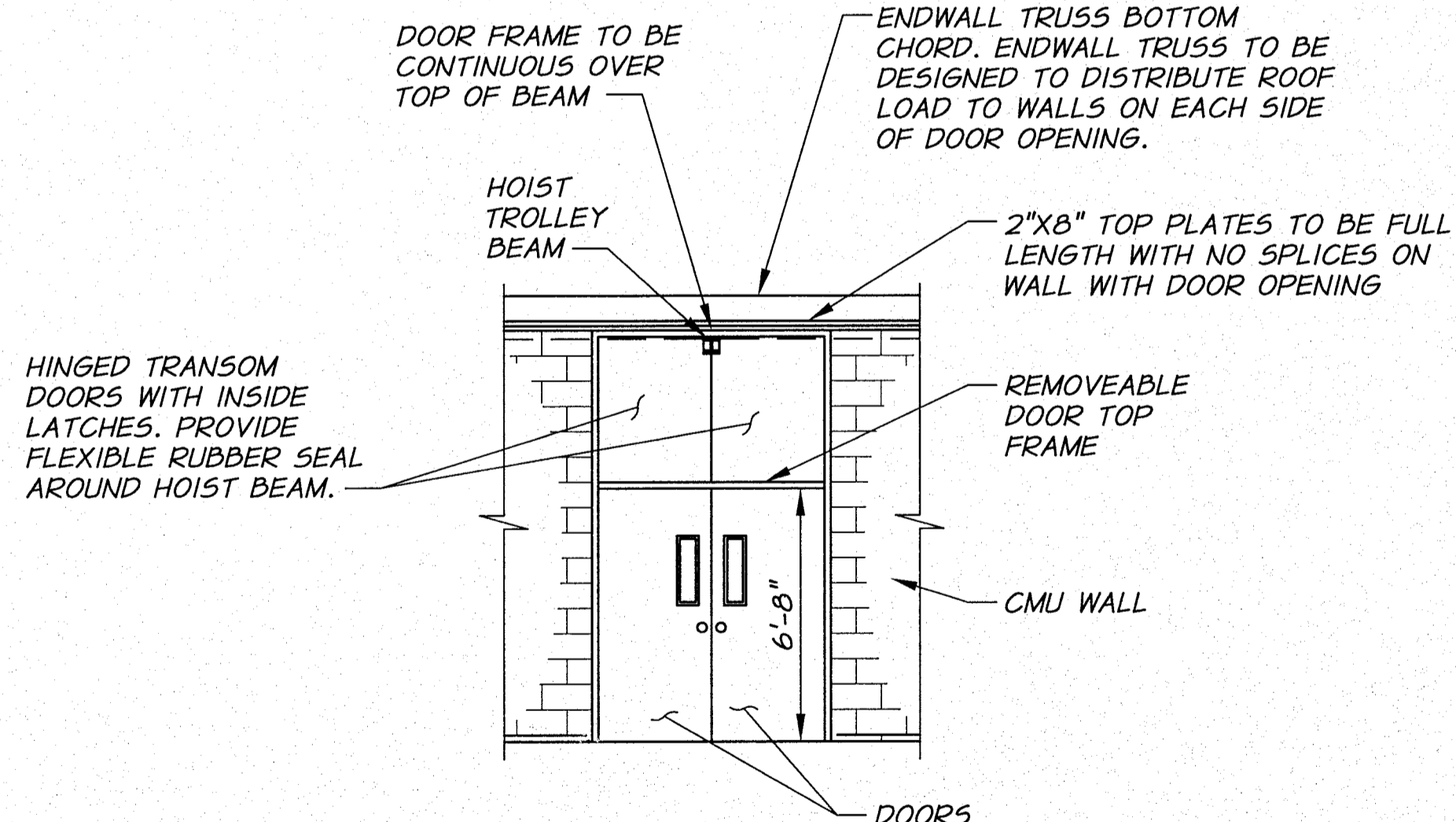
TRANSOM DOORS TO BE NOTCHED AS REQUIRED TO ALLOW BEAM PENETRATION. SEE DOOR ELEVATION, THIS SHEET.



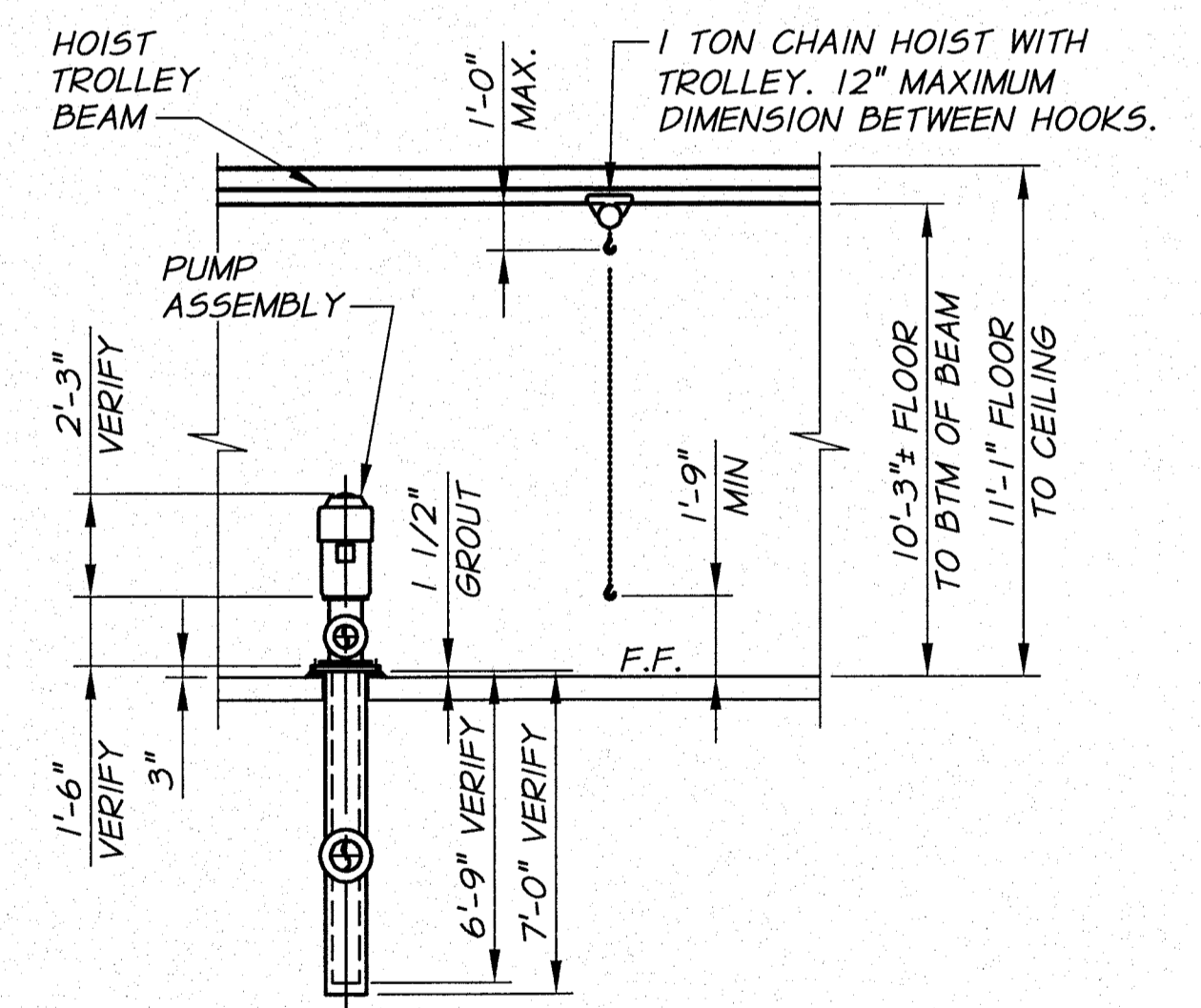
PLAN
3/8"=1'-0"



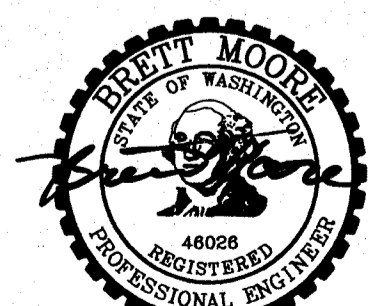
NOTCH "B" DETAIL
1 1/2"=1'-0"



DOOR ELEVATION
1/4"=1'-0"



HOIST ELEVATION
1/4"=1'-0"

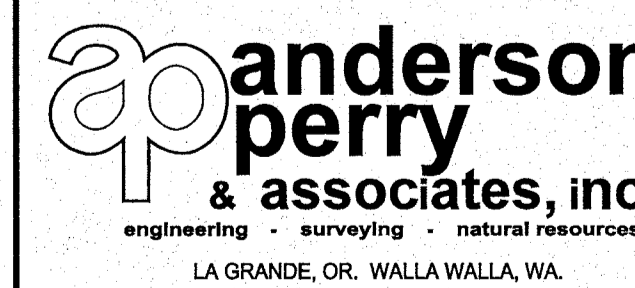


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RECORD DRAWINGS

REVISION	BY	DATE	HORIZ. SCALE AS NOTED	VERT. SCALE
DESIGNED BY R. HARRIS			JOB NUMBER 1199-336	DATE 2011
DRAWN BY D. CHRISTMAN			ACAD FILE: OIE-PumpSta.dwg	
REVIEWED BY B. MOORE			COPYRIGHT 2011 BY ANDERSON-PERRY & ASSOC., INC.	

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BENTON IRRIGATION DISTRICT
IRRIGATION SYSTEM IMPROVEMENTS
PHASE 2B

O.I.E. PUMP STATION
PUMP HOIST PLAN AND DETAILS

SHEET

64

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NOTE:

2"x8" TOP PLATES TO BE FULL LENGTH WITH NO SPLICES ON WALL WITH DOOR OPENING

SOLID 2X BLOCKING BETWEEN EACH TRUSS WITH SIMPSON A35 CLIP.

5/8" CDX PLYWOOD SHEATHING WITH 15 LB. UNDERLAYMENT. NAIL WITH 10d NAILS AT 6" O.C. ALONG SUPPORTED EDGES AND 12" O.C. IN FIELD.

PRE-ENGINEERED TRUSSES AT 24" O.C. DESIGNED FOR DEAD LOAD PLUS 25 PSF SNOW LOAD. ENDWALL TRUSS OVER DOOR OPENING TO BE DESIGNED TO DISTRIBUTE ROOF LOAD TO WALLS ON EACH SIDE OF DOORWAY.

ENAMELED AND GALVANIZED, MIN. 24 GAUGE STANDING SEAM STEEL ROOFING WITH CANT STRIP AND MATCHING RIDGE CAP (COLOR TO BE SELECTED BY OWNER).

18"x24" MINIMUM, INDUSTRIAL GRADE INSECT SCREENED AND LOUVERED VENT, EACH GABLE

ALL TRIM SHALL BE COVERED WITH COLOR COORDINATED STEEL SIDING AS APPROVED BY OWNER

ENAMELED AND GALVANIZED, MINIMUM 26 GAUGE STEEL SIDING. PROVIDE 5/8" CDX PLYWOOD SHEATHING WITH 15 LB. UNDERLAYMENT. TRIM AS REQUIRED. OVERLAP BLOCK 2" MIN. (COLOR TO BE SELECTED BY OWNER)

NOTE: PROVIDE HORIZONTAL "K" WEBBING EVERY FOURTH COURSE (TYP.)

BOND BEAM EVERY 4'-0" O.C. (TYP.) 2-#5 BARS AND GROUTED CELLS

EXTERIOR GRADE AT BUILDING VARIES. SEE SITE PLAN.

PROVIDE PRECAST CONCRETE SPLASH GUARD AT EVERY DOWNSPOUT.

0.8% MIN. SLOPE AWAY FROM BUILDING

PRE-ENGINEERED TRUSSES AT 24" O.C.

2"x8" PRESSURE TREATED TOP PLATE
DOUBLE 2"x6" FASCIA
2 - SIMPSONS A35 CLIPS WITH 12-8dx1-1/2" NAILS (TYP.)
2"x6" OVERHANG BRACING (TYP.)
2"x6" AND BRACE. SEE DETAIL, SHEET 66.
MODIFIED TRUSS EACH END TO ACCOMMODATE OVERHANG BRACING. TRUSS OVER DOOR OPENING TO BE DESIGNED TO DISTRIBUTE ROOF LOAD TO WALL ON EACH SIDE OF DOOR OPENING.
CMU BUILDING WALL
2"x8" PRESSURE TREATED TOP PLATE

NOTE: BRACING FOR PRE-ENGINEERED TRUSSES NOT SHOWN FOR CLARITY

DO NOT JOINT PLYWOOD SHEATHING ON FIRST TRUSS MEMBER. TYPICAL BOTH ENDS OF BUILDING

ROOF FRAMING OVERHANG DETAIL

N.T.S.

TYPICAL DOOR HARDWARE

SEE DRAWINGS AND TECHNICAL SPECIFICATIONS FOR DOOR REQUIREMENTS

HARDWARE - EACH PAIR DOORS (EXTERIOR)

10 EACH	FULL MORTISE S.S. HINGES	FBB 199	SATIN S.S.	STANLEY
1 EACH	HANDSET PAIR	34HTE4A	SATIN CHROME	YALE
2 EACH	FLUSH BOLTS	458	SATIN CHROME	IVES
2 EACH	STOPS	446	SATIN S.S.	IVES
1 EACH	THRESHOLDS	171A	ALUM	PEMCO
1 SET	WEATHERSTRIP	303AV	ALUM	PEMCO
2 EACH	DOOR BOTTOMS	3452AV	ALUM	PEMCO
1 EACH	ASTRAGAL	BY H.M. SUPPLIER	ALUM	PEMCO
2 EACH	CLOSURES	LCN 4040 WITH HOLD OPEN	ALUM	
1 EACH	SPRING ACTIVATED LATCH PAIR FOR TRANSOM DOORS	AS APPROVED BY ENGINEER		

NOTES:

- DOOR FRAMES MUST BE ON SITE PRIOR TO CONSTRUCTION OF BLOCK MASONRY.
- ALL DOORS TO BE KEYPED TO MATCH OWNERS MASTER.

(2) 2"x8" PRESSURE TREATED TOP PLATE WITH 5/8"x12" J ANCHOR BOLTS AT 3'-0" O.C. (TYP.) IN BOND BEAM

DOUBLE 2"x6" FASCIA AS REQUIRED

GUTTER AND DOWNSPOUT

VENTED ALUMINUM OR VENTED COATED STEEL SOFFIT. COLOR AS SELECTED BY OWNER.

TRIM FLUSH WITH TOP OF BLOCK (TYP. ALL SIDES)

CAULK TOP EDGE OF BLOCK WITH CLEAR SILICONE

8" X 8" X 16" SPLIT FACE INTEGRALLY COLORED C.M.U. COLOR TO BE SELECTED BY OWNER

CONCRETE LANDING. SEE DETAIL, SHEET 66.

0.8% MIN.

VARIES, 1/4" AT DOOR

2'-6" MIN. REBAR LAP (TYP.)

#4 AT 12" BOTH WAYS, CENTER IN SLAB

10'-8" BLOCK HEIGHT

VERTICAL REINFORCEMENT: #4 BARS AT 32" O.C. OR #5 BARS AT 48" O.C. (TYP.) GROUT CELLS FULL HEIGHT

F.F. 607.25 SLOPE TO DRAIN. SEE FLOOR PLAN

2" RIGID INSULATION AROUND FOOTING WALLS

0.8% MIN. SLOPE AWAY FROM BUILDING

1/2" PREFORMED EXPANSION JOINT FILLER. TRIM FILLER BELOW TOP OF CONCRETE. FILL WITH POLYURETHANE JOINT SEALANT (TYP.)

MIN. 4" OF COMPACTED BASE ROCK OVER 6'-0" OF PITRUN UNDER FOOTINGS (TYP.)

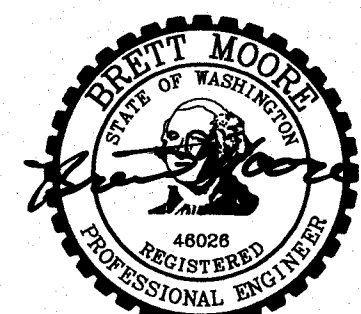
STRIP ALL VEGETATION, TOPSOIL, ETC. REMOVE ALL NATIVE MATERIAL TO 1'-0" BELOW FOOTING AND REPLACE WITH COMPACTED PITRUN TO HELP CONTROL DIFFERENTIAL SETTLEMENT. COMPACT ALL FILL AND TOP 6" OF IN-PLACE SOIL TO 95% OF ASTM D1557 DENSITY. PROVIDE GRANULAR FILL AS NEEDED.

TYPICAL BUILDING SECTION

N.T.S.

BUILDING DESIGN CRITERIA

- ROOF DEAD LOAD - 20 PSF
- SNOW LOAD - 20 PSF
- WIND SPEED 85 MPH (EXPOSURE 'C').
- SEISMIC CATEGORY 2.
- ALLOWABLE SOIL BEARING - 2000 PSF.

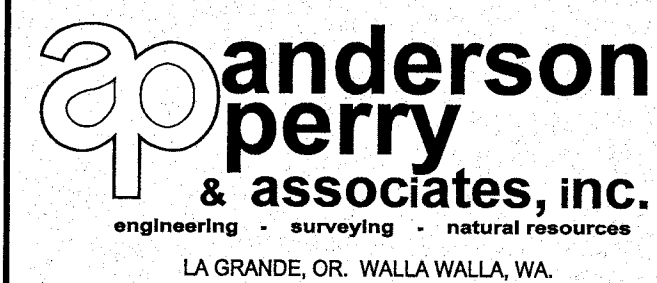


SIGNED 06-04-12
RECORD DRAWINGS

REVISION	BY	DATE	HORZ. SCALE NONE	VERT. SCALE
DESIGNED BY R. HARRIS	XREFS: TB-BID.dwg		JOB NUMBER 1199-336	DATE 2011
DRAWN BY D. CHRISTMAN			ACAD FILE OIE-PumpSta-Dets.dwg	
REVIEWED BY B. MOORE			COPYRIGHT 2011 BY ANDERSON-PERRY & ASSOC., INC.	

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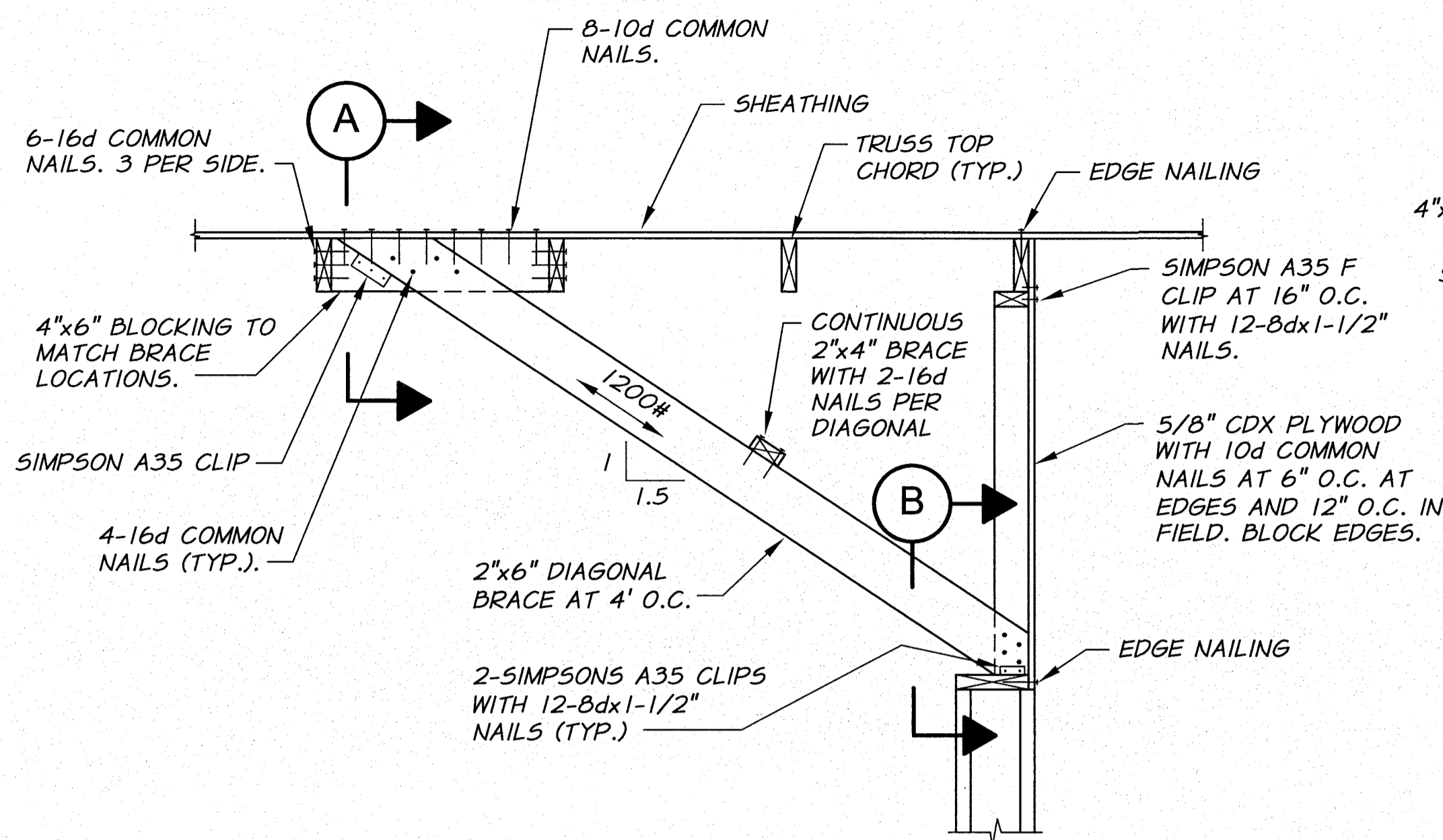


**BENTON IRRIGATION DISTRICT
IRRIGATION SYSTEM IMPROVEMENTS
PHASE 2B**

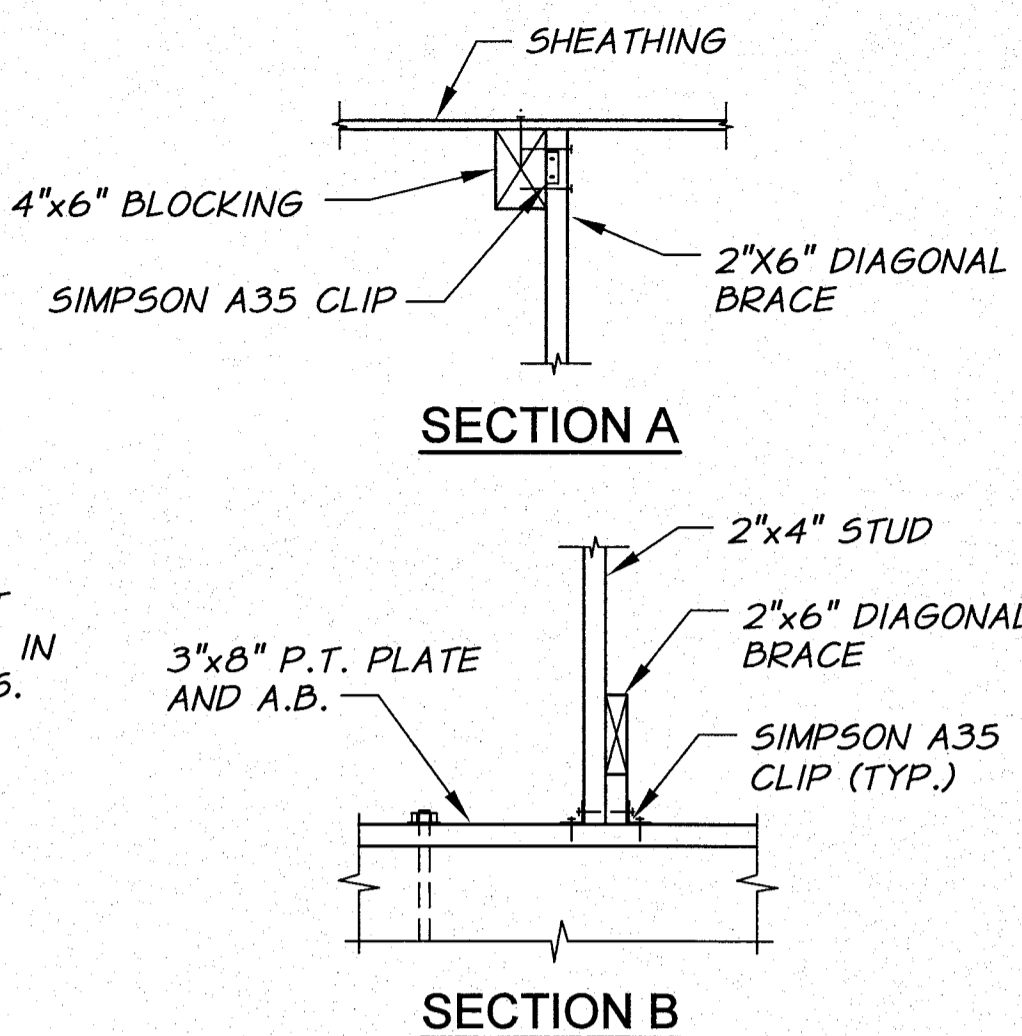
O.I.E. PUMP STATION
STRUCTURAL DETAILS I

SHEET

65

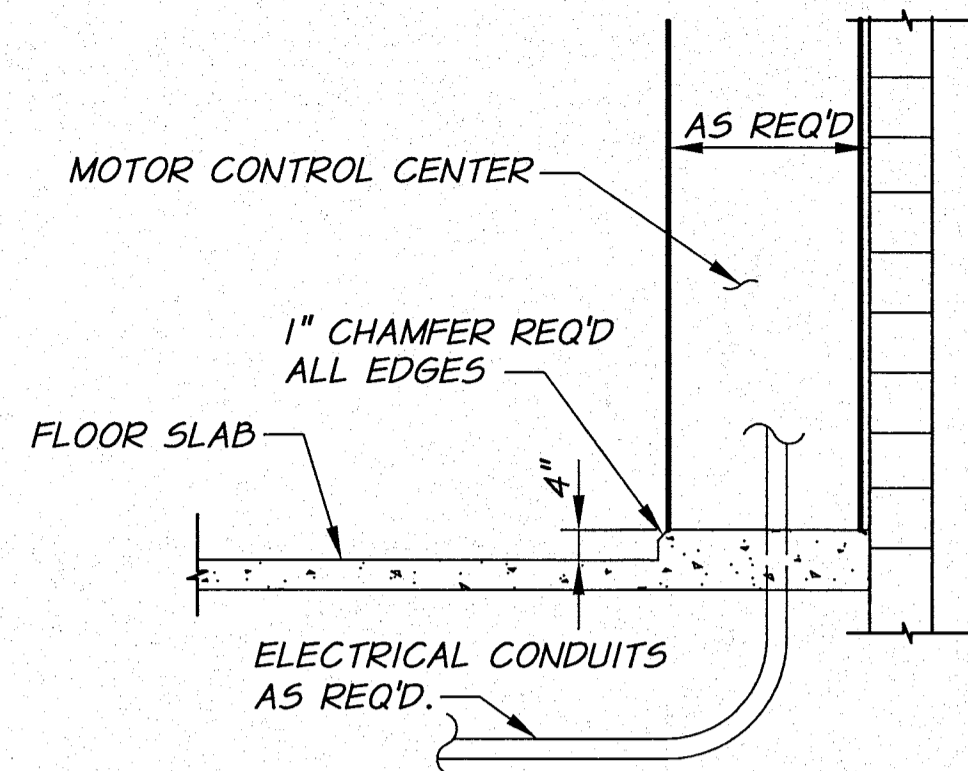


TYPICAL END DETAIL
N.T.S.

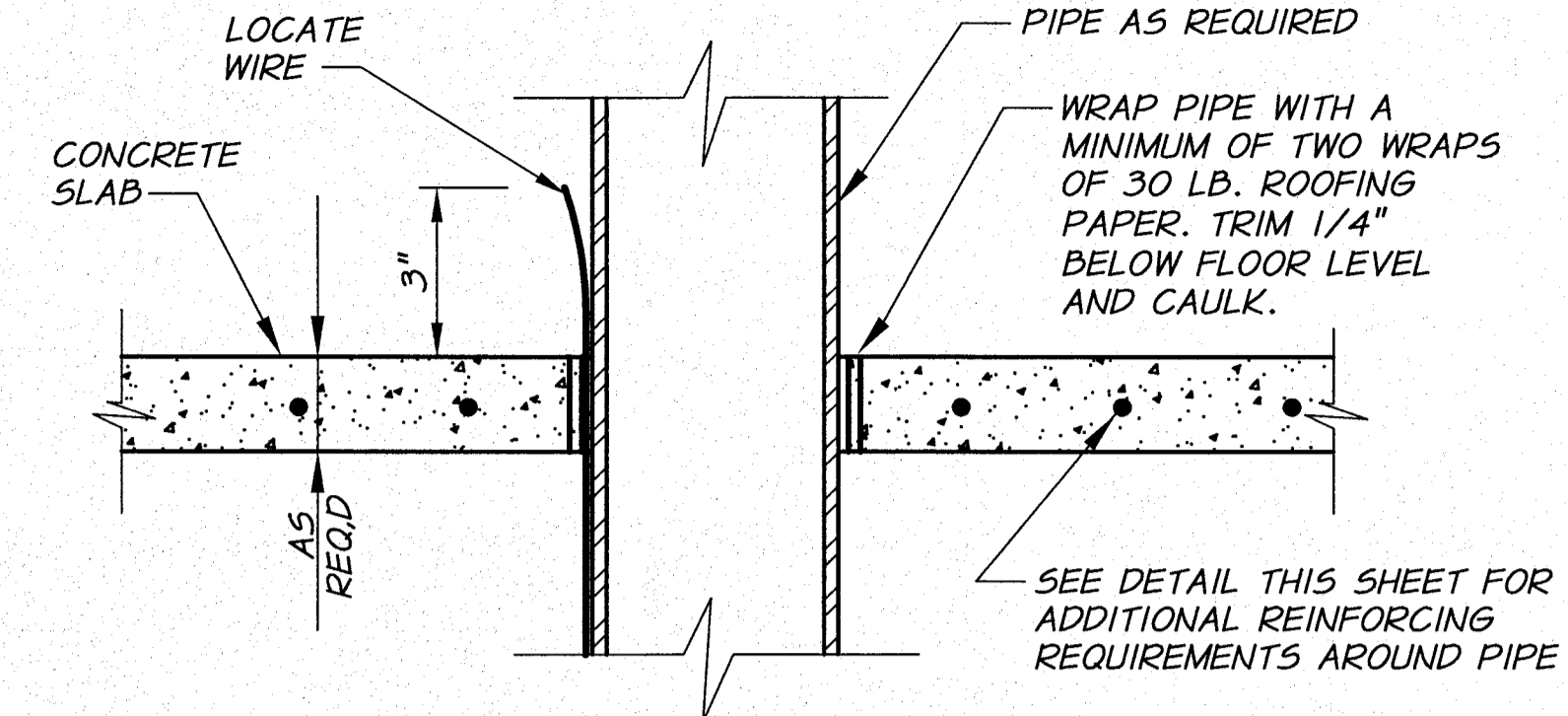


SECTION A

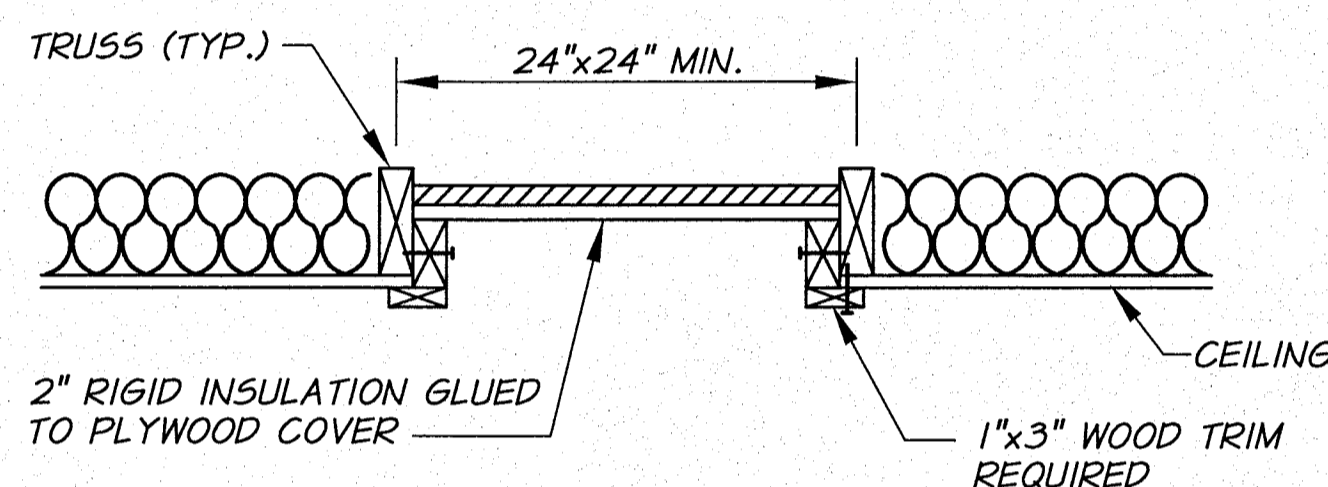
SECTION B



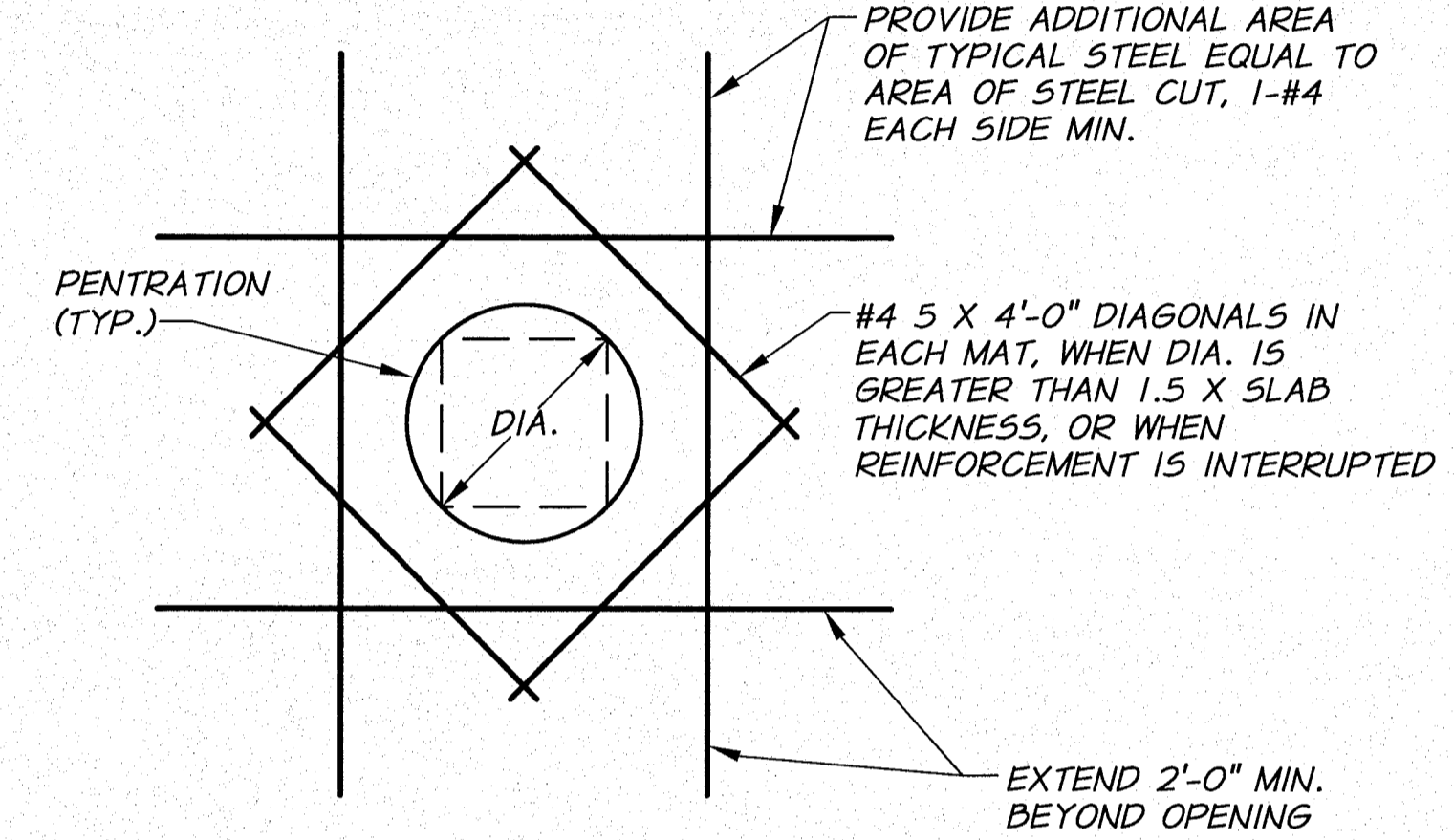
RAISED SLAB DETAIL
N.T.S.



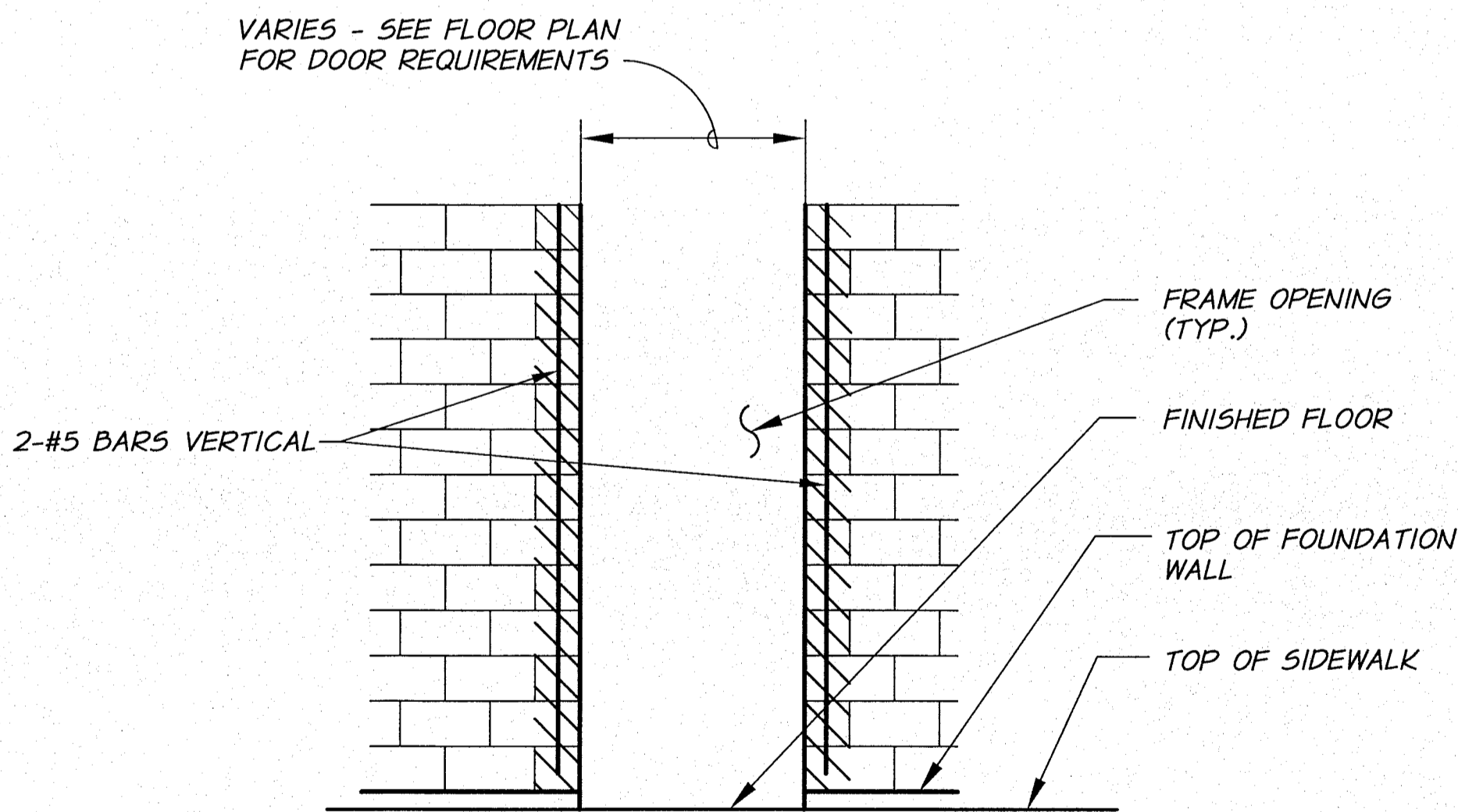
PIPE PENETRATION-SLAB DETAIL
N.T.S.



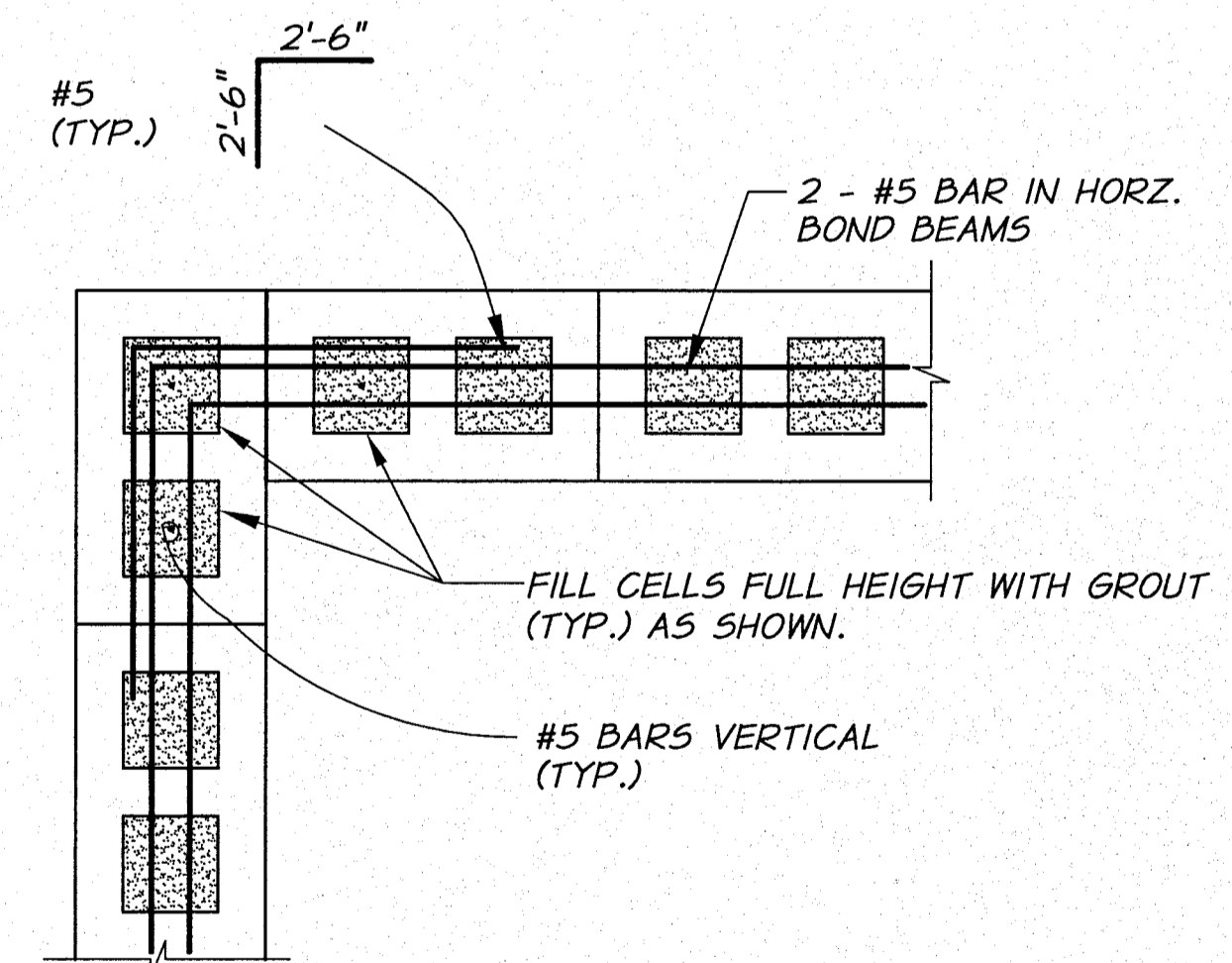
CEILING ACCESS DETAIL
N.T.S.



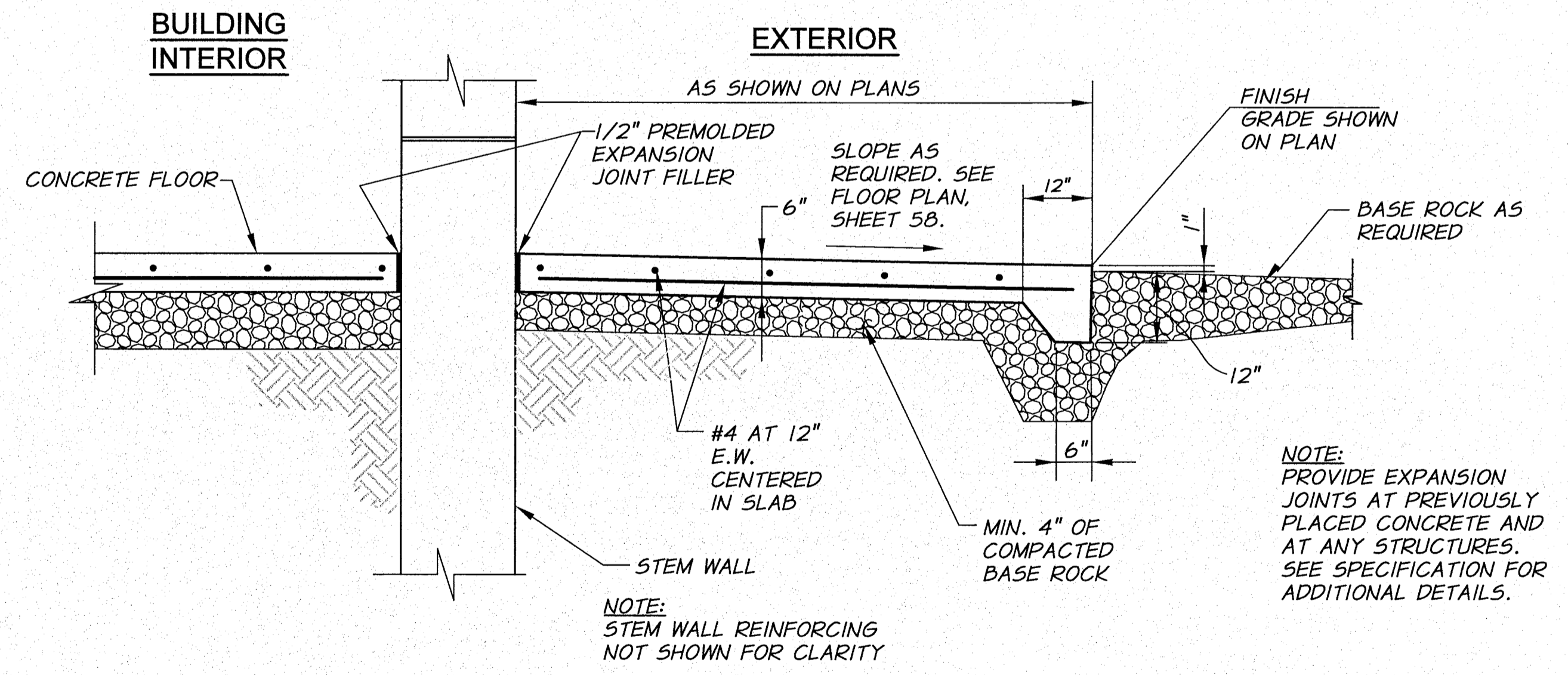
TYPICAL OPENING IN CONCRETE SLABS
N.T.S.



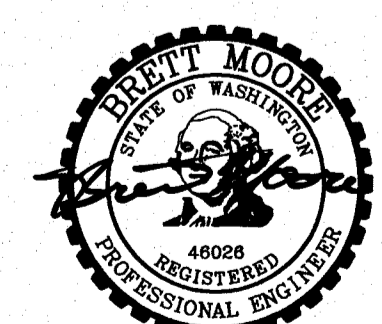
TYPICAL DOOR OPENING
N.T.S.



TYPICAL BOND BEAM AT CORNER DETAIL
N.T.S.



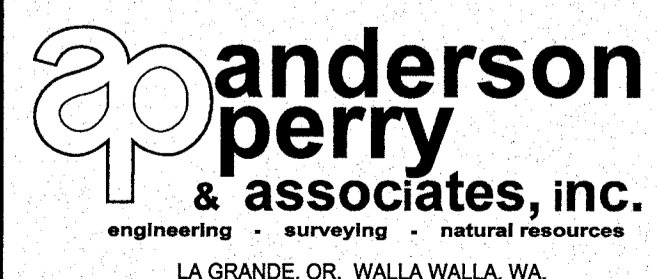
CONCRETE SIDEWALK/LANDING DETAIL
N.T.S.



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RECORD DRAWINGS

REVISION	BY	DATE	HORIZ. SCALE NONE	VERT. SCALE
DESIGNED BY R. HARRIS			JOB NUMBER 1199-336	DATE 2011
DRAWN BY D. CHRISTMAN			ACAD FILE: OIE-PumpSta-Dets.dwg	
REVIEWED BY D. MOORE			COPYRIGHT 2011 BY ANDERSON-PERRY & ASSOC., INC.	

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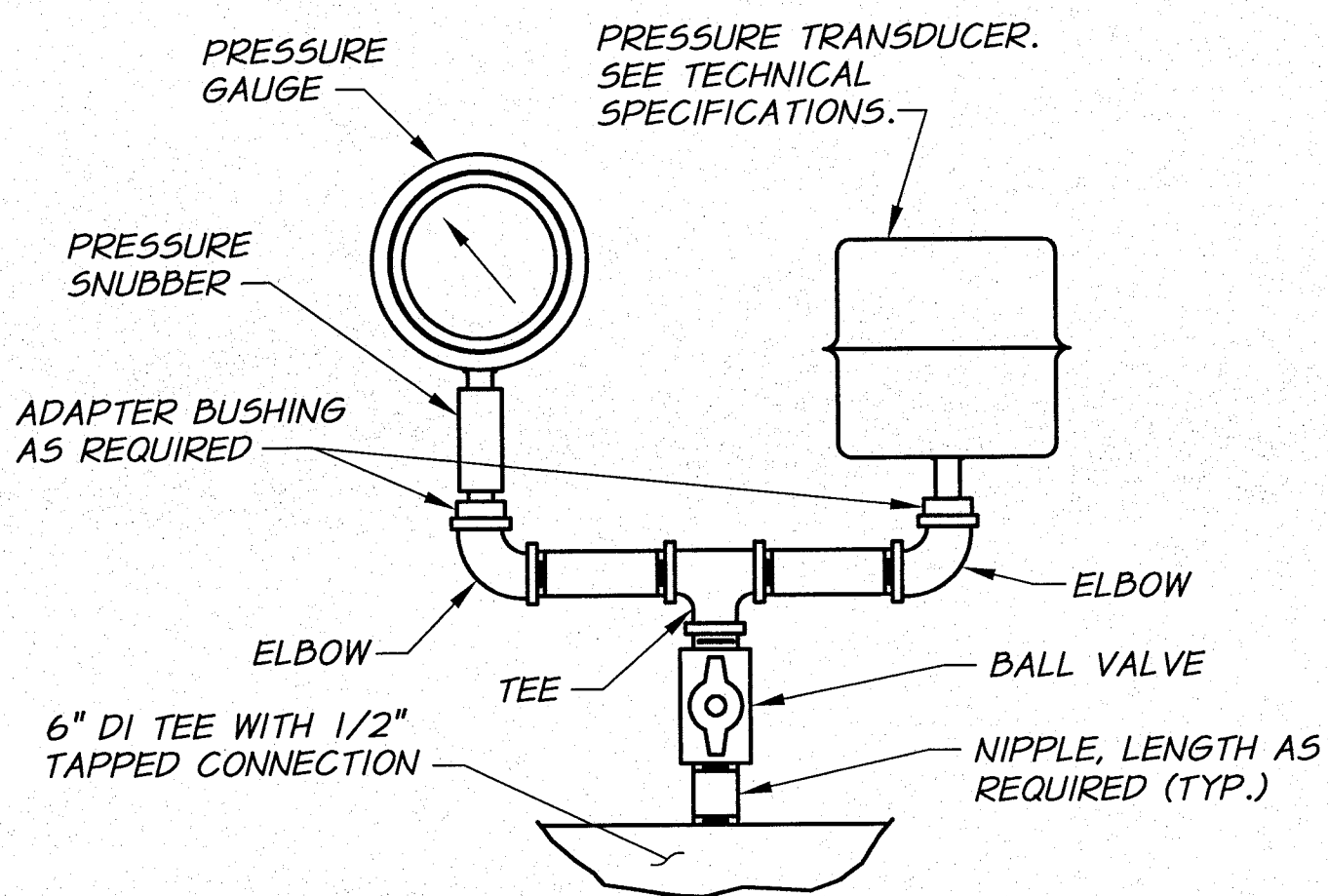


BENTON IRRIGATION DISTRICT
IRRIGATION SYSTEM IMPROVEMENTS
PHASE 2B

O.I.E. PUMP STATION
STRUCTURAL DETAILS II

NOTES:

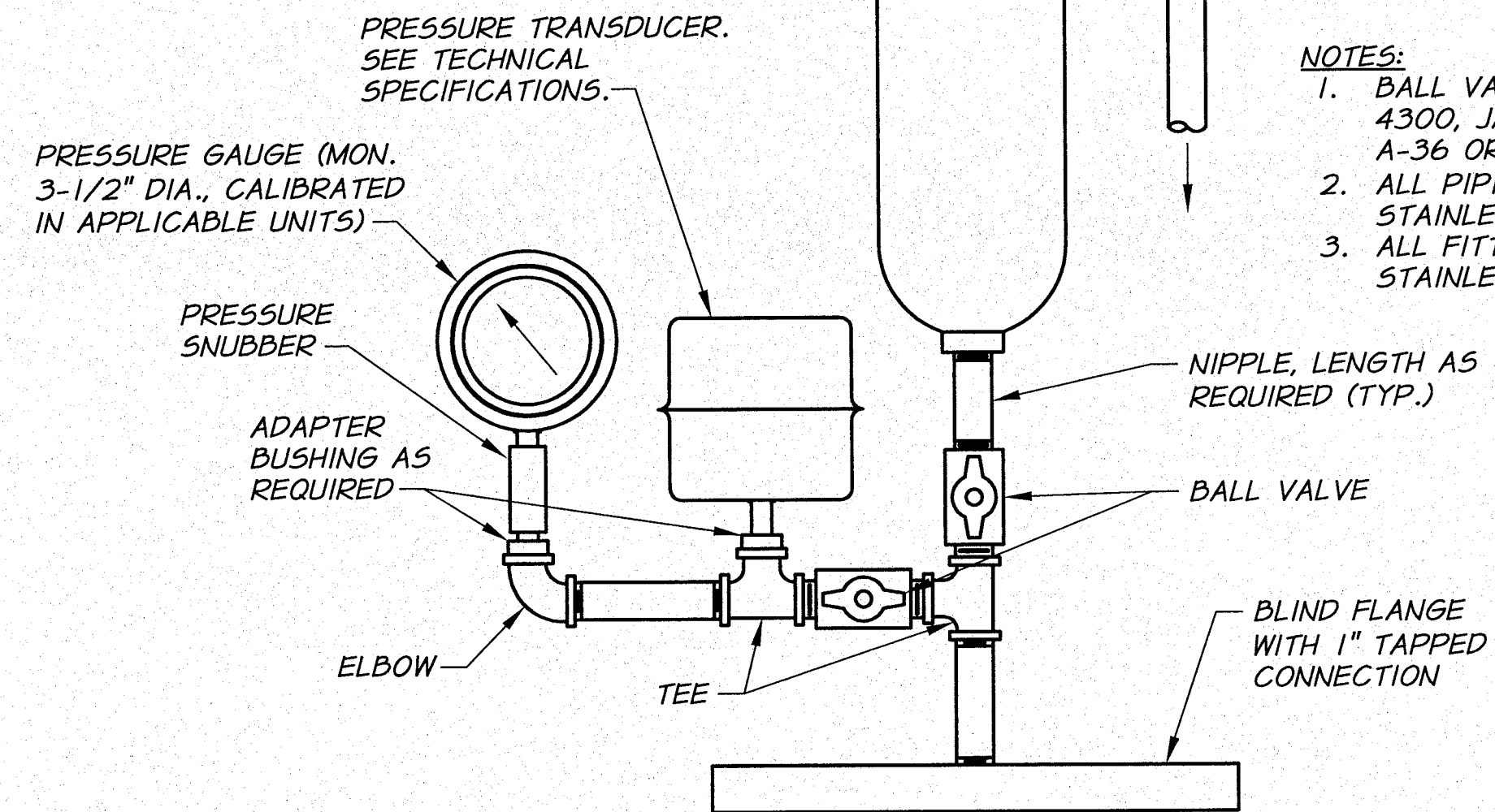
1. BALL VALVES, LADISH CO. NO. 4300, JAMESBURY CORP. TYPE A-36 OR EQUAL.
2. ALL PIPING TO BE 1/2" SCH 80 STAINLESS STEEL.
3. ALL FITTINGS TO BE 3000 LB STAINLESS STEEL.



PRESSURE GAUGE AND TRANSDUCER DETAIL

N.T.S.

DISCHARGE GIP PIPING AND FITTINGS AS REQUIRED. ROUTE TO FLOOR. FINISH WITH 90° ELBOW ORIENTED TOWARD FLOOR DRAIN.

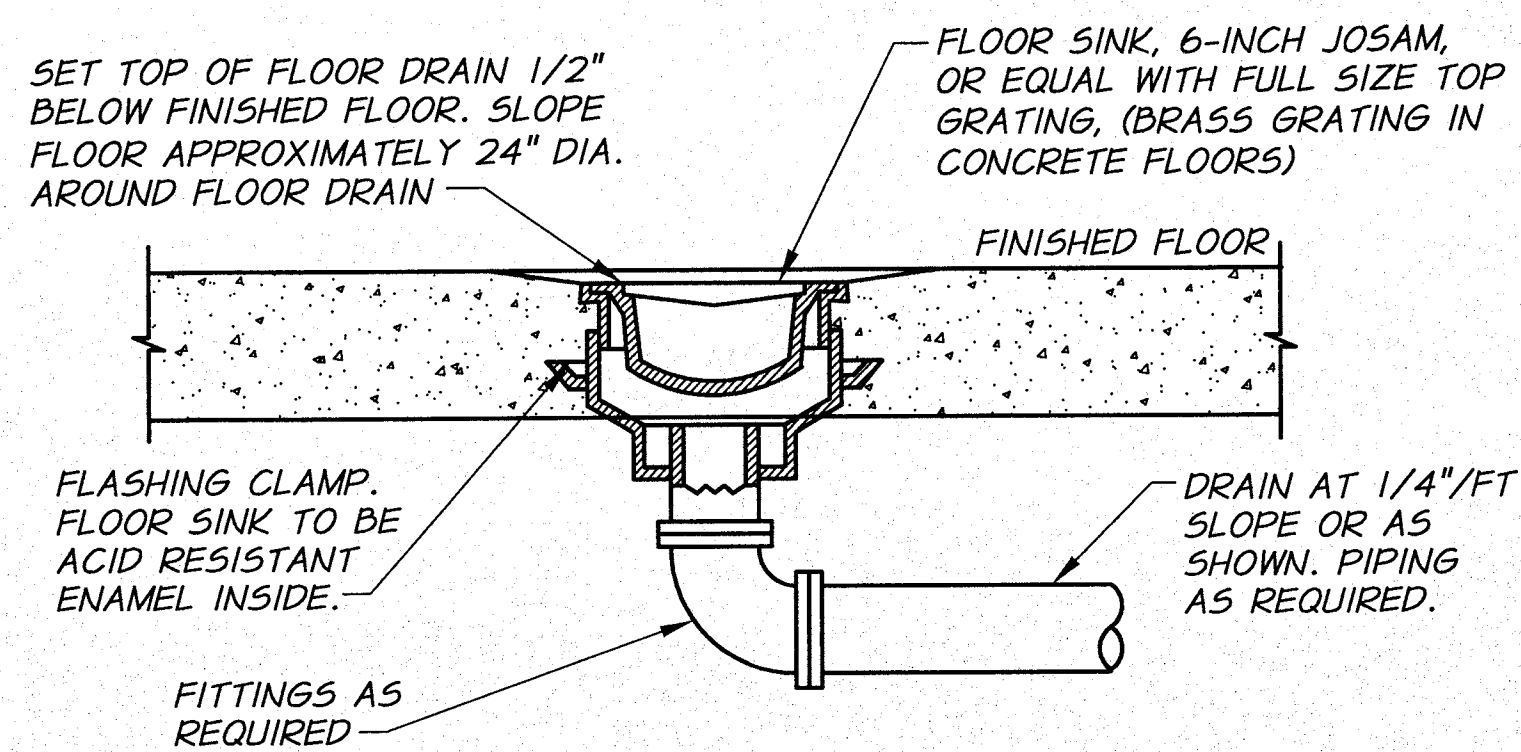


AIR VALVE/PRESSURE MONITOR DETAIL

N.T.S.

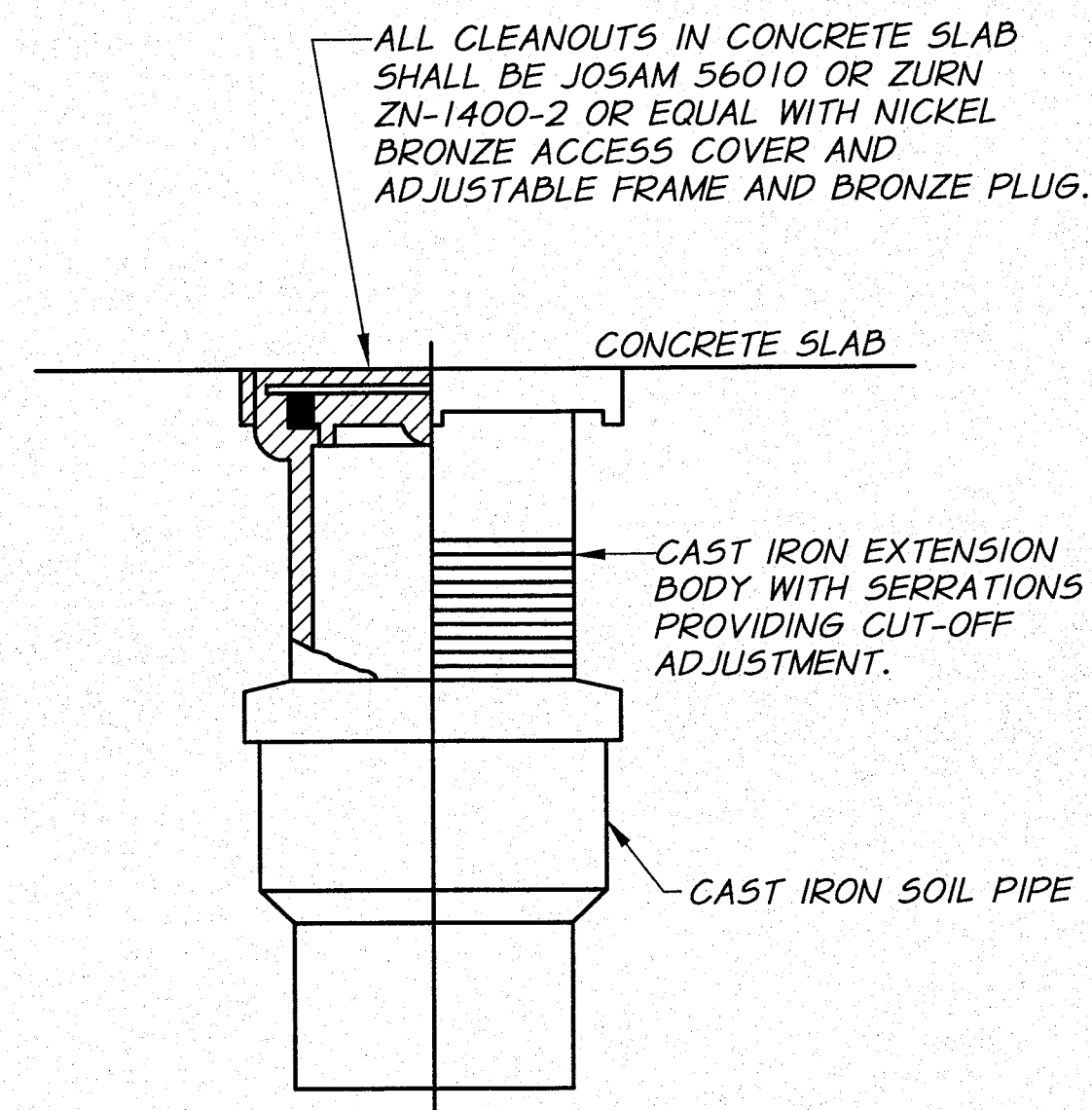
NOTES:

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2. ALL PIPING TO BE 1" SCH 80 STAINLESS STEEL.
3. ALL FITTINGS TO BE 3000 LB STAINLESS STEEL.



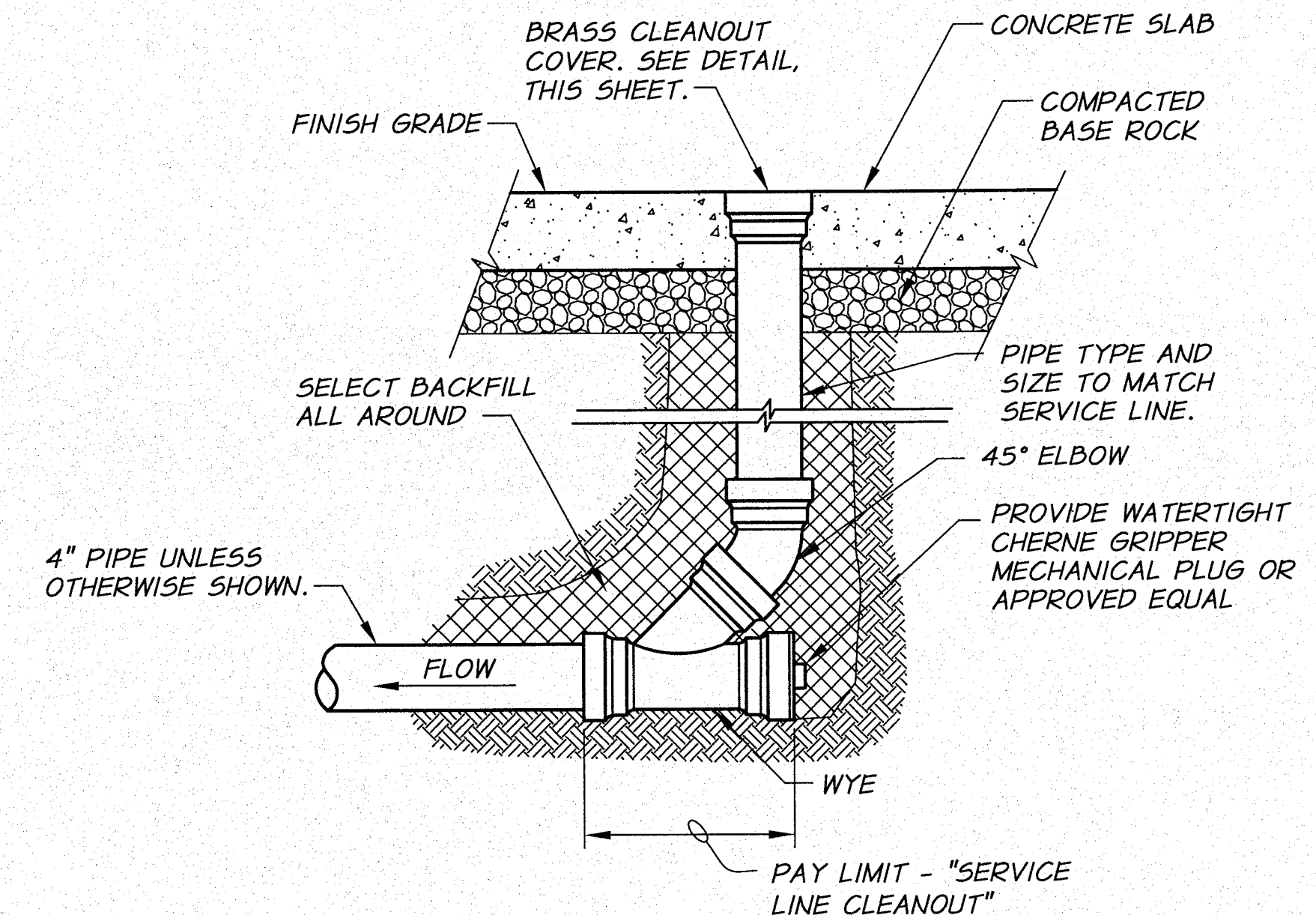
FLOOR DRAIN

N.T.S.



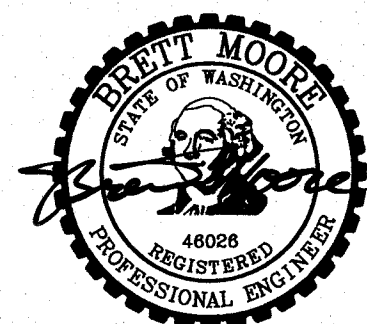
BRASS CLEANOUT COVER DETAIL

N.T.S.



DRAIN LINE CLEANOUT

N.T.S.

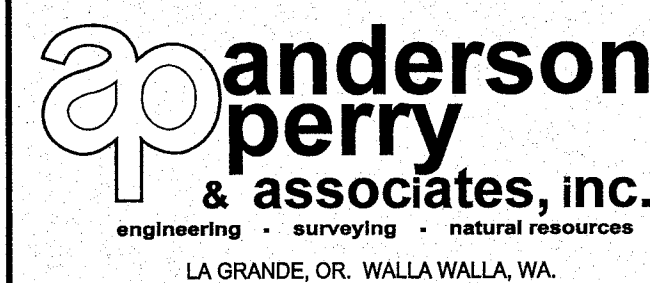


SIGNED 06-04-12
RECORD DRAWINGS

REVISION	BY	DATE	HORIZ. SCALE	NONE	VERT. SCALE
DESIGNED BY	R. HARRIS	XREFS: TB-BID.dwg	JOB NUMBER	1199-336	DATE
DRAWN BY	D. CHRISTMAN		ACAD FILE:	OIE-PumpSta-Dets.dwg	2011
REVIEWED BY	B. MOORE		COPYRIGHT 2011 BY ANDERSON-PERRY & ASSOC., INC.		

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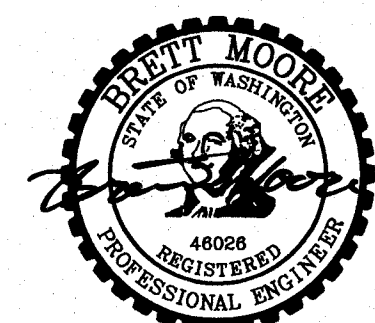
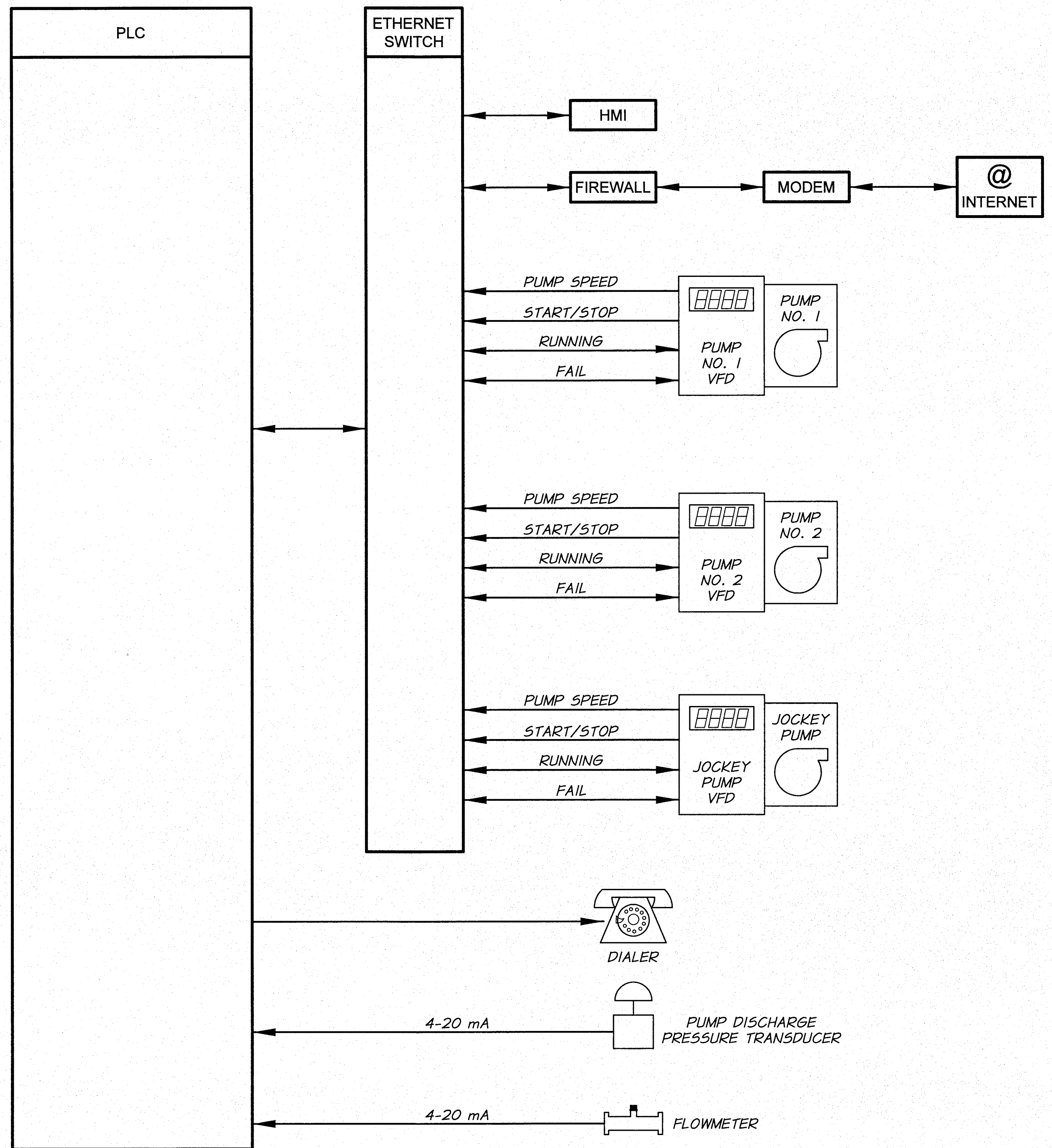
BENTON IRRIGATION DISTRICT
IRRIGATION SYSTEM IMPROVEMENTS
PHASE 2B

O.I.E. PUMP STATION
MISCELLANEOUS DETAILS

SHEET

67

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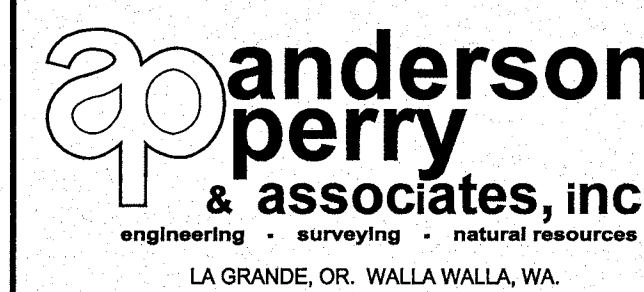


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RECORD DRAWINGS

REVISION	BY	DATE	HORIZ. SCALE	NONE	VERT. SCALE	
DESIGNED BY	R. HARRIS		JOB NUMBER	1199-336	DATE	2011
DRAWN BY	D. CHRISTMAN		ACAD FILE:	OIE-PumpSta-Telem.dwg		
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BENTON IRRIGATION DISTRICT
IRRIGATION SYSTEM IMPROVEMENTS
PHASE 2B

PUMP CONTROL SCHEMATIC

SHEET

68

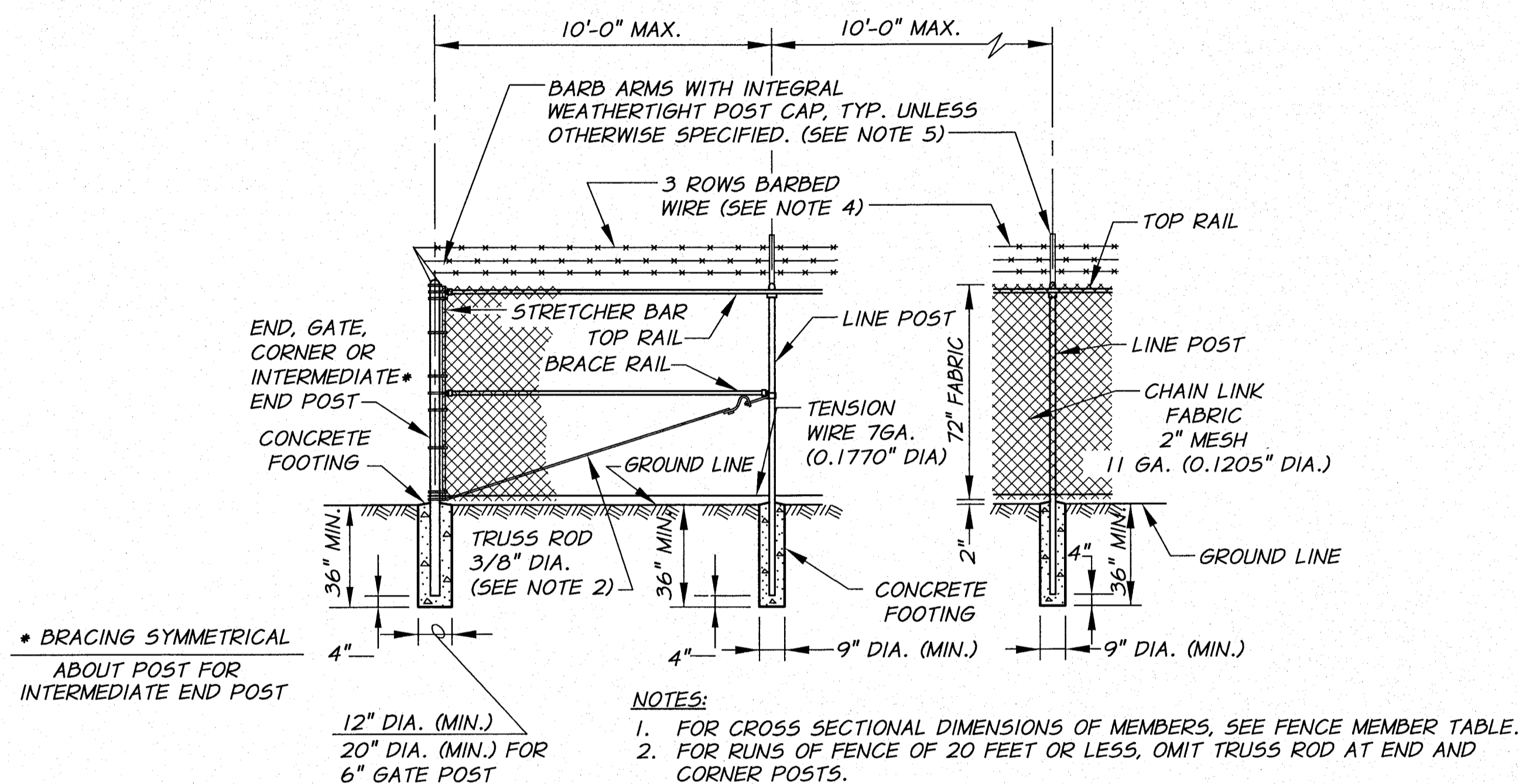
TABLE

MATERIAL	MEMBER											MATERIAL	
	BRACE AND TOP RAILS		LINE POSTS				END, CORNER & INTERMEDIATE END POST		GATE OPENING IN FEET		GATE POSTS		
	TUBULAR		TUBULAR		H-SECTION		TUBULAR		SINGLE GATE	DOUBLE GATE	TUBULAR		
	NOM. DIA. (INCHES)	WT./FT. LBS.	NOM. DIA. (INCHES)	WT./FT. LBS.	SIZE (INCHES)	WT./FT. LBS.	NOM. DIA. (INCHES)	WT./FT. LBS.			NOM. DIA. (INCHES)		WT./FT. LBS.
GALVANIZED OR ALUMINUM COATED STL.	1 1/4	2.27	2	3.65	2 1/4 X 2	4.10	2 1/2	5.79	UP THRU 6 7 THRU 13 14 THRU 18	UP THRU 12 13 THRU 26 27 THRU 36	2 1/2 3 1/2 6	5.79	GALVANIZED OR ALUMINUM COATED STL.
ALUMINUM ALLOY	1 1/4		2				2 1/2		UP THRU 6 7 THRU 13 14 THRU 18	UP THRU 12 13 THRU 26 27 THRU 36	2 1/2 3 1/2 6		ALUMINUM ALLOY

NOTE:
GATE POSTS ON EACH SIDE OF A GATE OPENING TO BE THE SAME SIZE.
AT A DOUBLE GATE INSTALLATION WITH UNEQUAL WIDTH GATES, SIZE OF BOTH POSTS TO BE AS INDICATED FOR A SINGLE GATE INSTALLATION OF THE WIDER GATE WIDTH.
ALL PIPE SHALL BE SCHEDULE 40

FENCE MEMBER TABLE

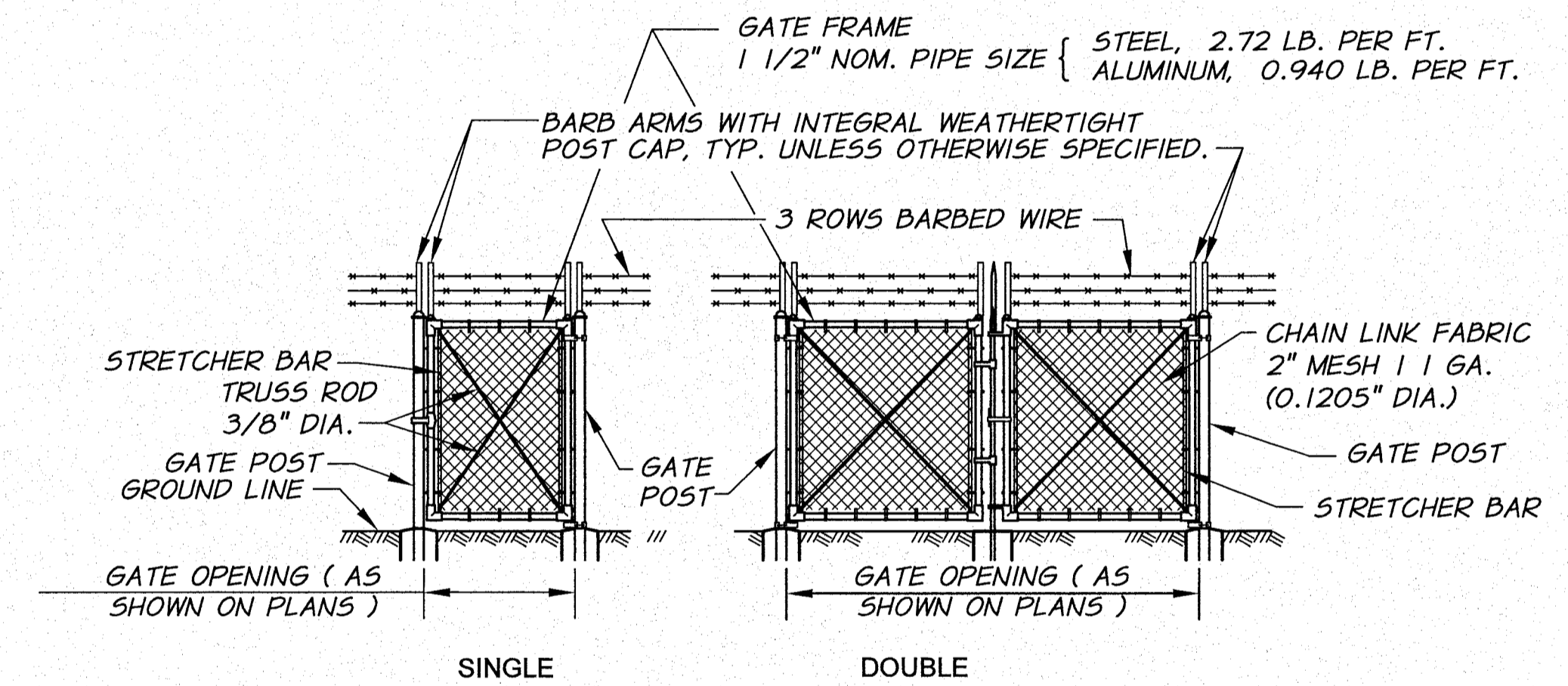
N.T.S.



- NOTES:**
- FOR CROSS SECTIONAL DIMENSIONS OF MEMBERS, SEE FENCE MEMBER TABLE.
 - FOR RUNS OF FENCE OF 20 FEET OR LESS, OMIT TRUSS ROD AT END AND CORNER POSTS.
 - CHAIN LINK FENCE FABRIC TO BE 6'-0" HIGH.
 - THREE STRANDS OF BARBED WIRE SHALL RUN THE ENTIRE LENGTH OF FENCE ABOVE THE FABRIC, WITH THE TOP OUTSIDE WIRE APPROXIMATELY 12" HORIZONTALLY FROM THE FENCE LINE AND THE OTHER WIRES SPACED UNIFORMLY.
 - THE WIRE SHALL BE SUPPORTED ON THE LINE POST BY MEANS OF HEAVY GALVANIZED MALLEABLE IRON CAPS WITH PRESSED STEEL EXTENSION ARMS AT AN ANGLE OF 45°.
 - PROVIDE 4 "DANGER KEEP OUT" SIGNS MOUNTED PERMANENTLY TO EXTERIOR OF FENCE AS DIRECTED BY THE ENGINEER. ALL SIGNS SHALL BE U.V. AND WEATHER PROOF, 10" X 14" IN SIZE, AND WRITTEN IN BOTH ENGLISH AND SPANISH.

FENCE DETAIL

WITH BARBED WIRE
N.T.S.



SWING GATE DETAIL

WITH BARBED WIRE
N.T.S.

NOTE:
PRIVACY SLATS TO BE INSTALLED ON ALL FENCE SECTIONS AND GATES.
COLOR TO BE APPROVED BY OWNER.

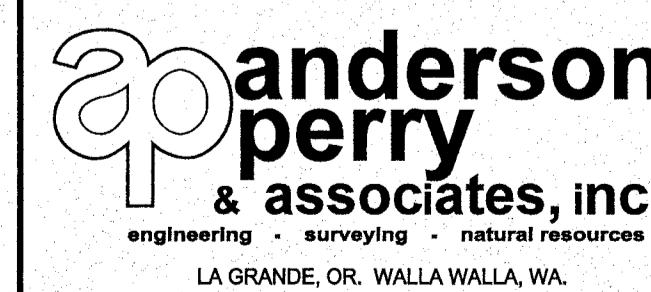


SIGNED 06-04-12
RECORD DRAWINGS

REVISION	BY	DATE	HORIZ. SCALE	NONE	VERT. SCALE
DESIGNED BY	R. HARRIS		JOB NUMBER	1199-336	DATE
DRAWN BY	D. CHRISTMAN		ACAD FILE:	OIE-PumpSta-Fence.dwg	
REVIEWED BY	B. MOORE		COPYRIGHT 2011 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 2B

O.I.E. PUMP STATION
FENCE DETAILS

SHEET

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