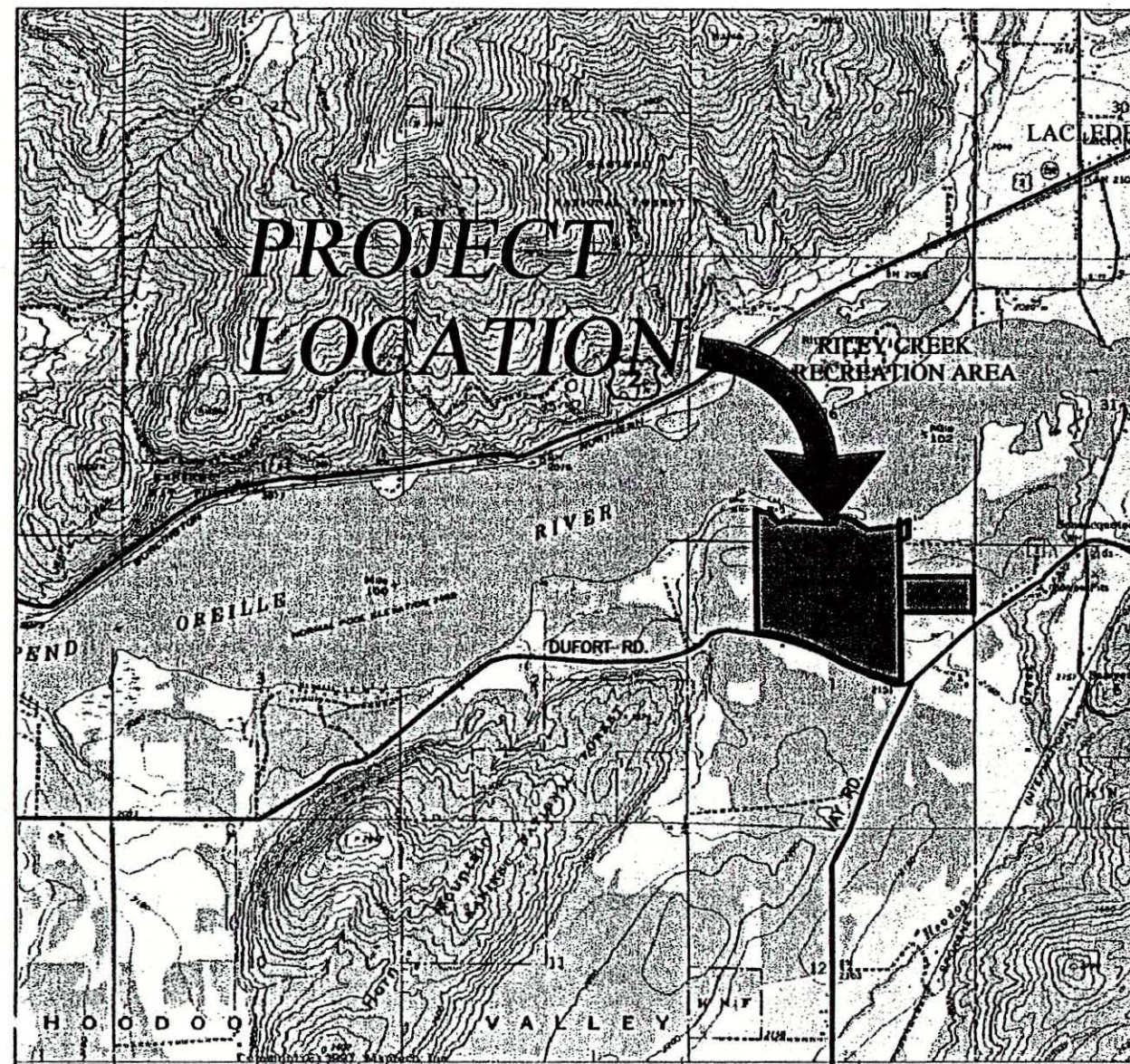


SHEET INDEX

T 1	PROJECT OVERVIEW WITH VICINITY MAP
T 2	SHEET INDEX AND GENERAL NOTES
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OV 2	STORM WATER MANAGEMENT OVERVIEW
OV 3	SANITARY SEWER OVERVIEW
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PP 2	DAWSON DRIVE PLAN AND PROFILE STA: 11+50-21+00
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PP 7	GRAHAM DRIVE PLAN AND PROFILE STA: 00+50-11+50
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PP 13	SAWYER AVENUE PLAN AND PROFILE
PP 14	BEACH AREA
D 1	TYPICAL ROAD CROSS SECTIONS
D 2	CONSTRUCTION DETAILS
D 3	CONSTRUCTION DETAILS
D 4	CONSTRUCTION DETAILS
D 5	CONSTRUCTION DETAILS
D 6	CONSTRUCTION DETAILS
D 7	CONSTRUCTION DETAILS

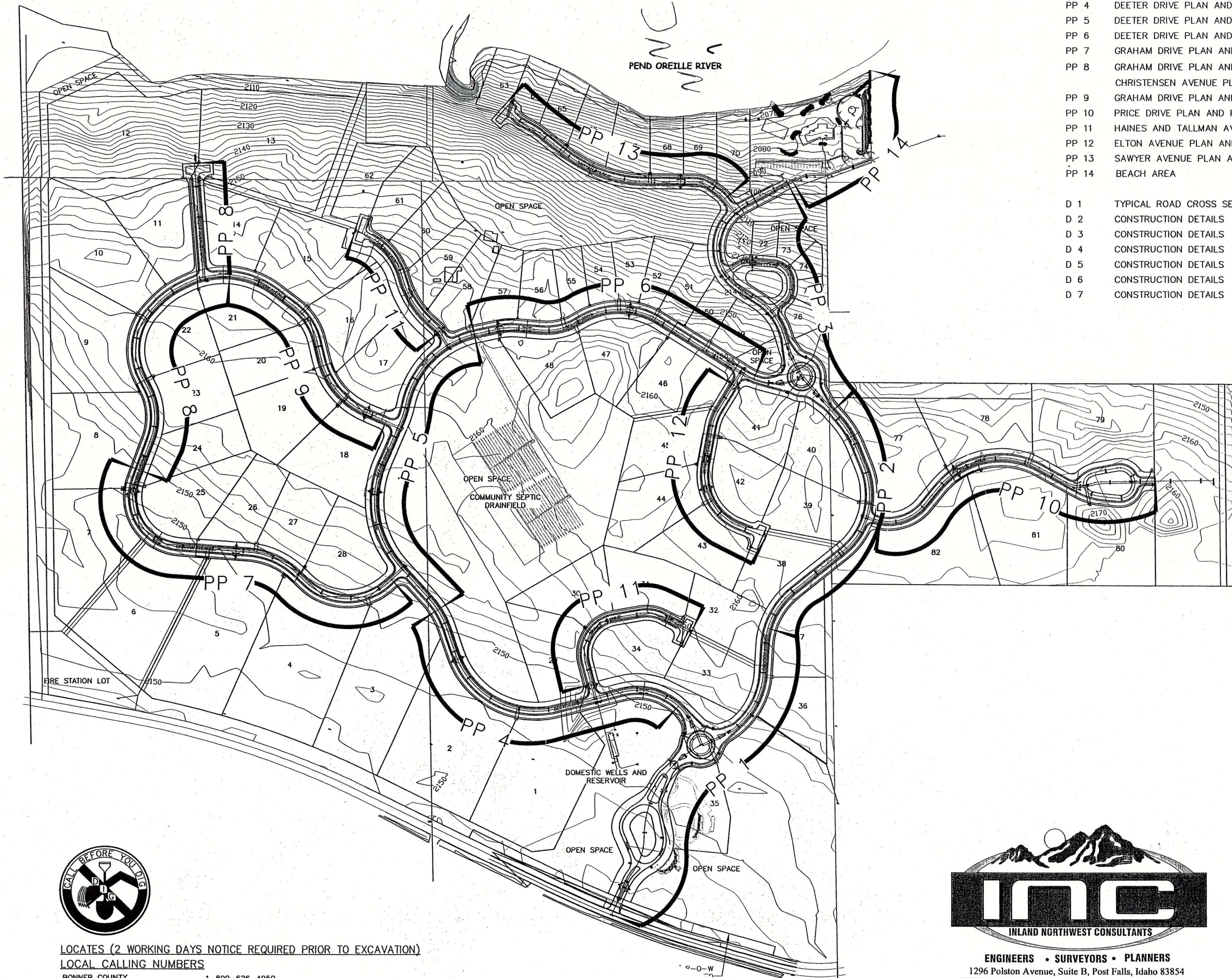


A PORTION OF SEC. 36, T56N, R4W
VICINITY MAP

N.T.S.

SHEET SYMBOL LEGEND

- | | | | |
|--|---|--|-----------------------|
| | CONTINUOUS ROADSIDE SWALE | | THRUST BLOCK |
| | STOP/STREET SIGN INSTALL PER CITY STANDARDS | | WATER LINE VALVE |
| | FORCE MAIN VALVE | | 90° BEND |
| | SEWER SERVICE | | TEE |
| | WATER SERVICE | | 11-1/4° BEND |
| | STREET LIGHT AT CITY APPROVED | | 22-1/2° BEND |
| | 20' CASSED WATER/SEWER CROSSING | | 45° BEND |
| | 4" WATER SERVICE = 6" CL 160 PVC | | CROSSING |
| | 1" WATER SERVICE = 2" SCH 40 PVC | | |
| | 8" WATER MAIN = 12" CL 160 PVC | | |
| | 8" SEWER MAIN = 12" CL 160 PVC | | FIRE HYDRANT ASSEMBLY |



OWNER / DEVELOPER:
CROSSINGS DEVELOPMENT LLC
316 N 2ND AVE., SUITE A2
SANDPOINT, ID

[illegible]

T1

**Bonner County
Approval**

Approved By:

County Engineer Date



LOCATES (2 WORKING DAYS NOTICE REQUIRED PRIOR TO EXCAVATION)
LOCAL CALLING NUMBERS
BONNER COUNTY 1-800-626-4950



ENGINEERS • SURVEYORS • PLANNERS
1296 Polston Avenue, Suite B, Post Falls, Idaho 83854
PHONE (208) 773-8370 www.inlandnwc.com FAX (208) 777-2128

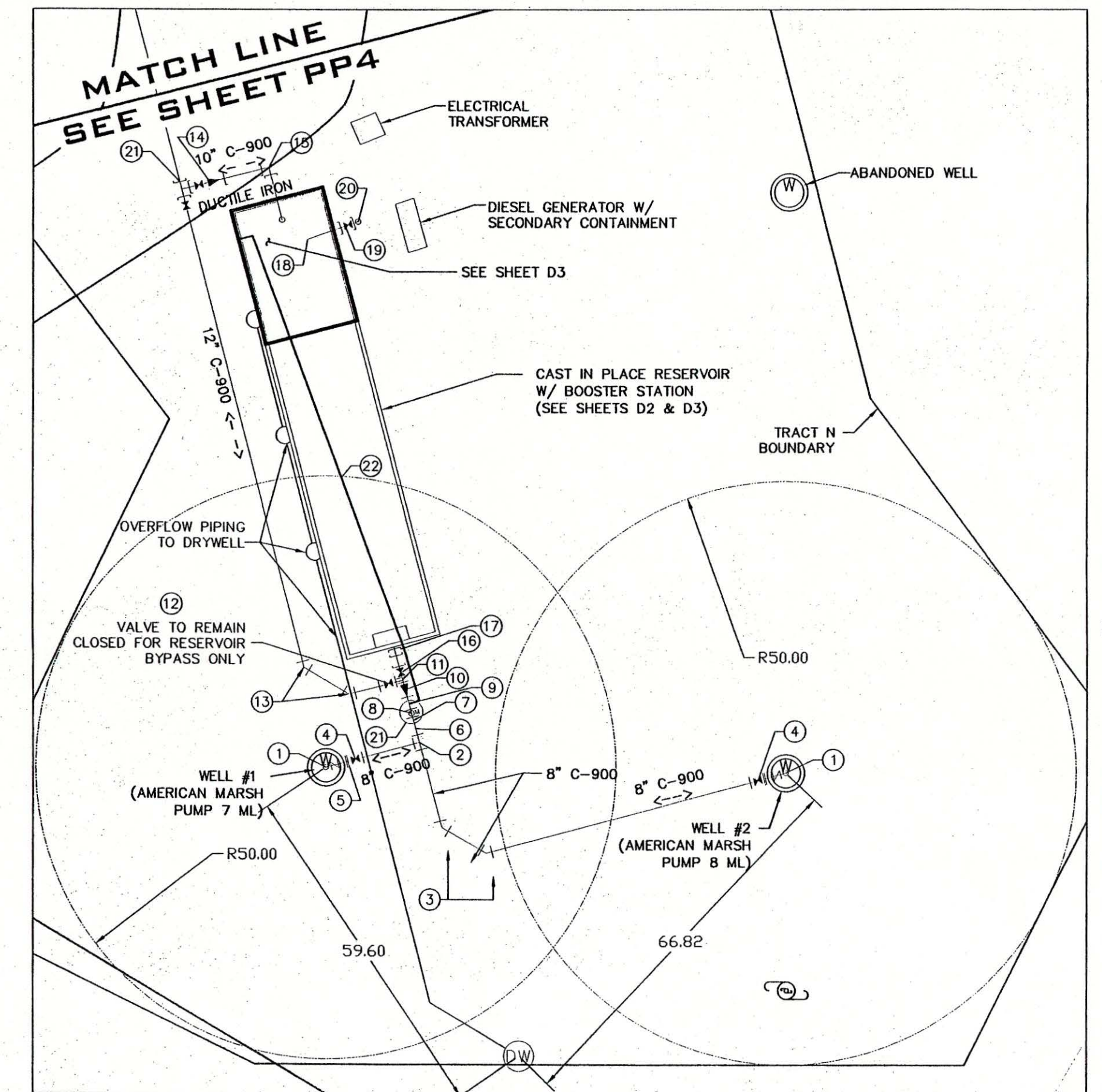
INLAND NORTHWEST CONSULTANTS, INC.
ENGINEERS • SURVEYORS • PLANNERS

APPROVED BY:

CITY ENGINEER DATE

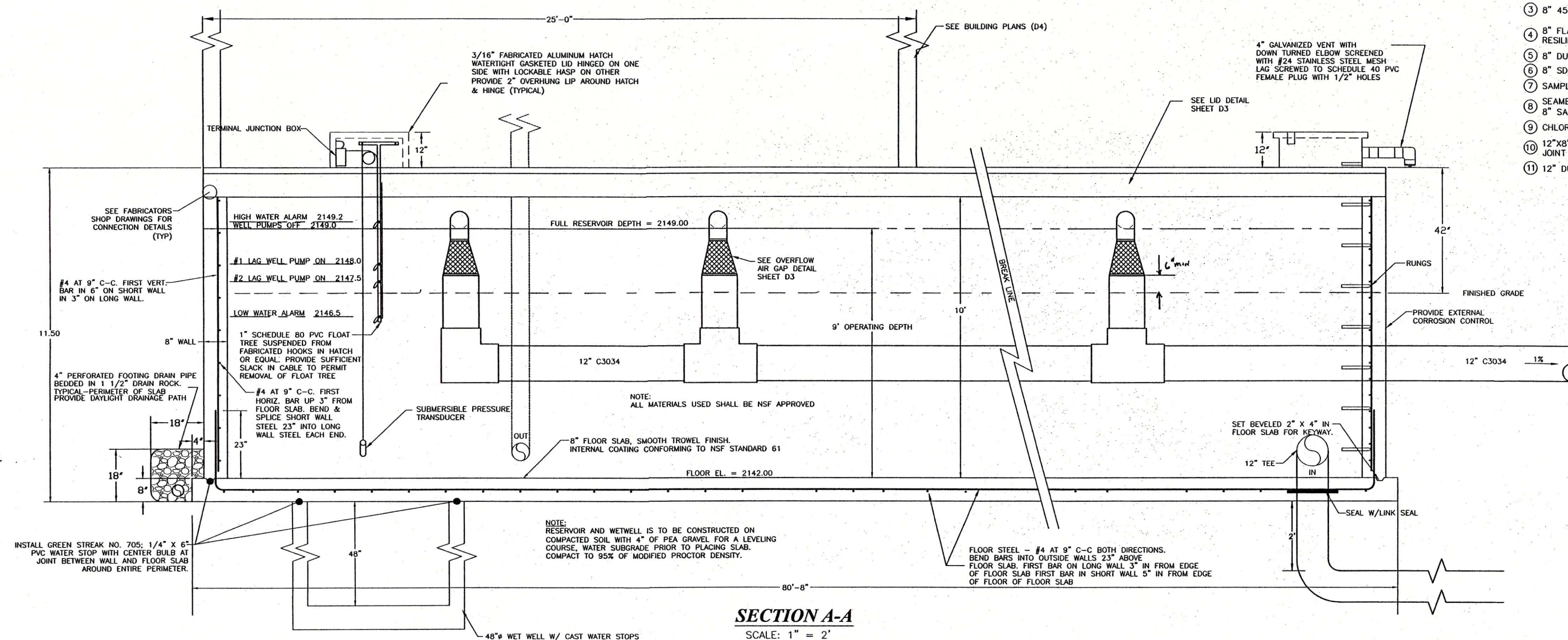
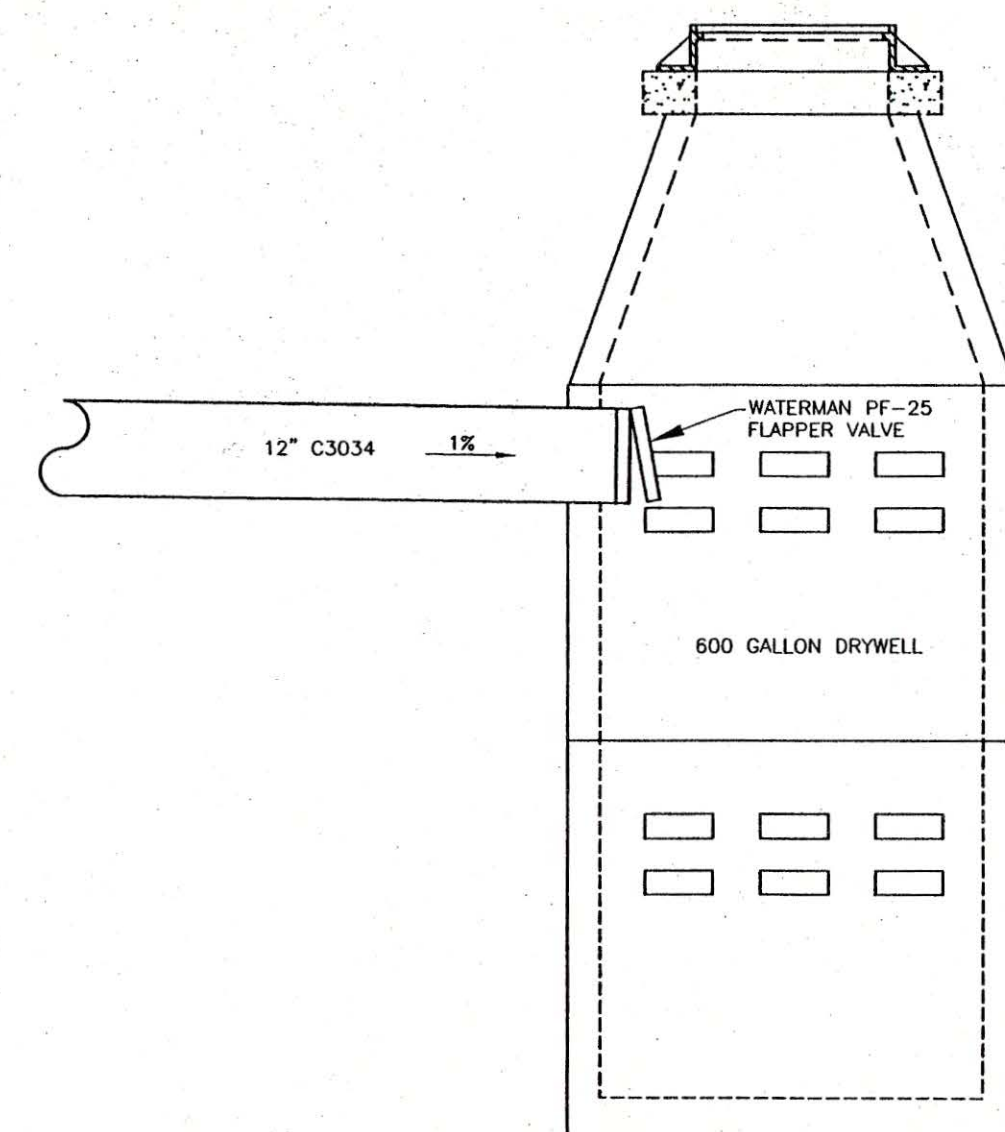
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CHECKED BY:	JH
DWG FILE:	05024-D-AB
PROJ. #	PF05024

D2

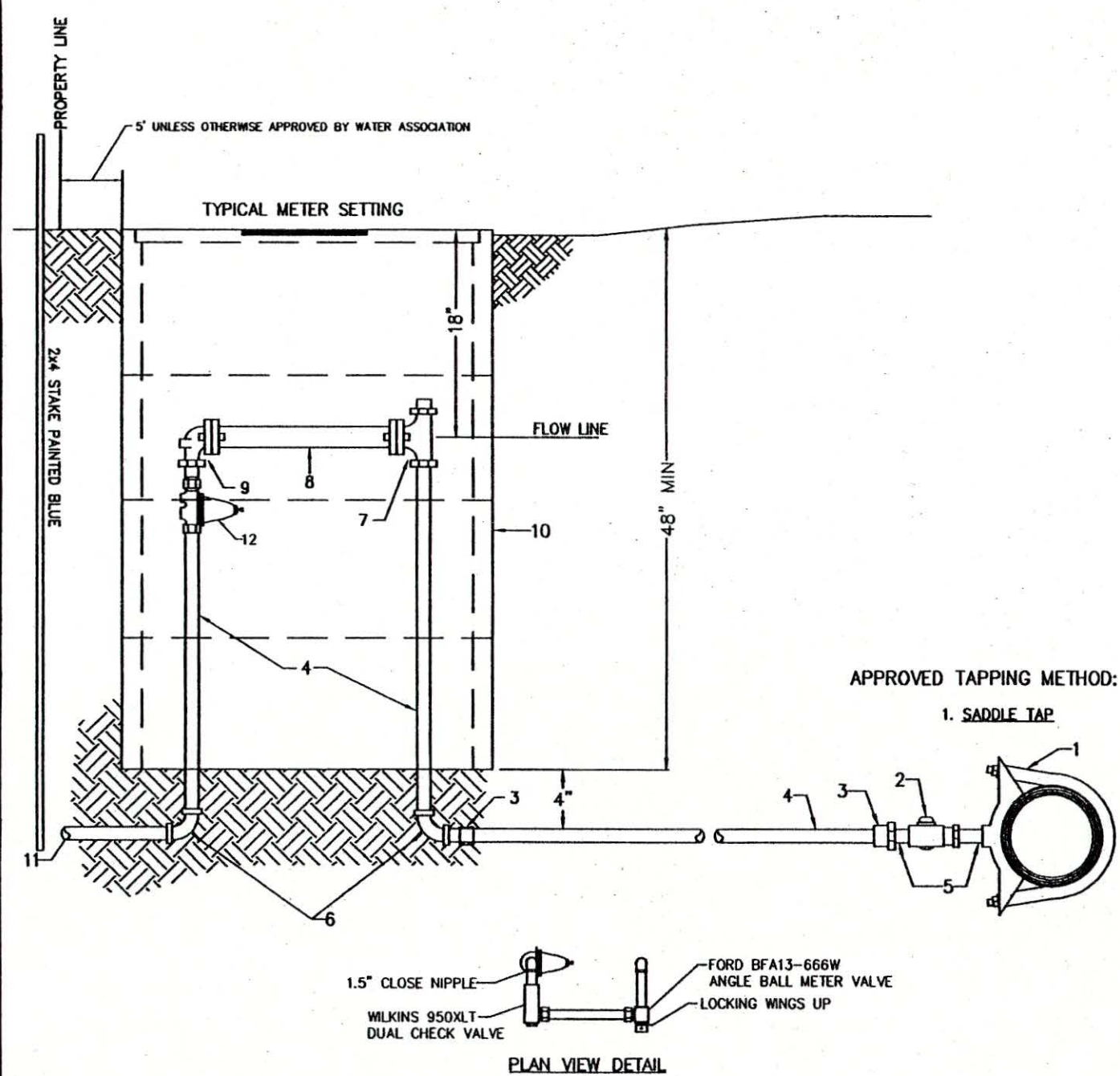


WELL LOT
SCALE: 1" = 20'

- | | | | |
|----|--|----|--|
| 1 | WELL PUMP WITH CHECK VALVE | 12 | 12" FLANGED BY MECHANICAL JOINT
RESILIENT SEALED GATE VALVE |
| 2 | 8" C-900 TEE | 13 | 12" DUCTILE IRON 45° MECHANICAL JOINT ELEVATED |
| 3 | 8" 45° C-900 ELBOW | 14 | 12"x10" MECHANICAL JOINT SMALL END BELL X
PLAIN END DUCTILE IRON REDUCER DUCTILE IRON
FLANGED CONCENTRIC REDUCER |
| 4 | 8" FLANGED X MECHANICAL JOINT
RESILIENT SEALED GATE VALVE | 15 | 10" DUCTILE IRON MECHANICAL JOINT 90° ELBOW |
| 5 | 8" DUCTILE IRON MECHANICAL JOINT X FLANGED ADAPTER | 16 | 12" FLANGED BY MECHANICAL JOINT
RESILIENT SEALED GATE VALVE |
| 6 | 8" SDR-26 (SCH-40) PIPE THROUGH MANHOLE (20' LENGTH) | 17 | 12" DUCTILE IRON MECHANICAL JOINT |
| 7 | SAMPLE TAP WITH SADDLE | 18 | 6" RESERVOIR DRAIN |
| 8 | SEAMETRICS FLOW METER,
8" SADDLE WITH REMOTE READ OUT | 19 | 6" MECHANICAL JOINT GATE VALVE |
| 9 | CHLORINE INJECTION POINT | 20 | 6" DRAFT PORT TO DRAIN TANK WITH AUTO
BALL DRAIN TO PREVENT FREEZING |
| 10 | 12"x8" DUCTILE IRON FLANGED X MECHANICAL
JOINT CONCENTRIC REDUCER | 21 | MANHOLE WITH OPEN BOTTOM |
| 11 | 12" DUCTILE IRON FLANGED TEE | 22 | CHLORINE SUPPLY LINE |

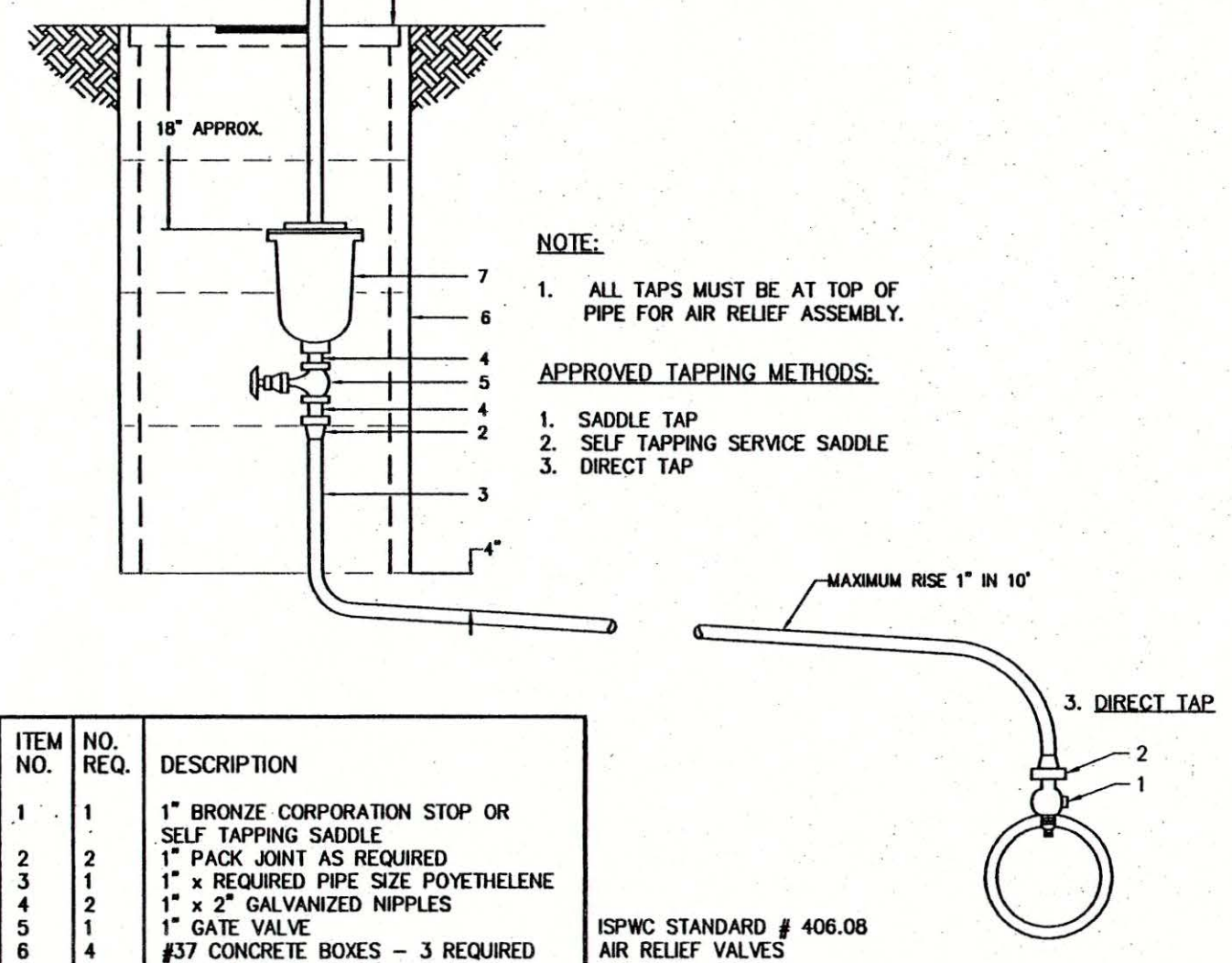
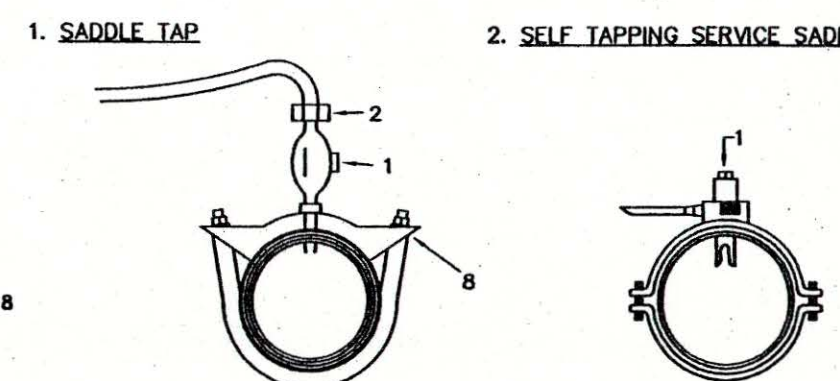


RECORD DRAWINGS



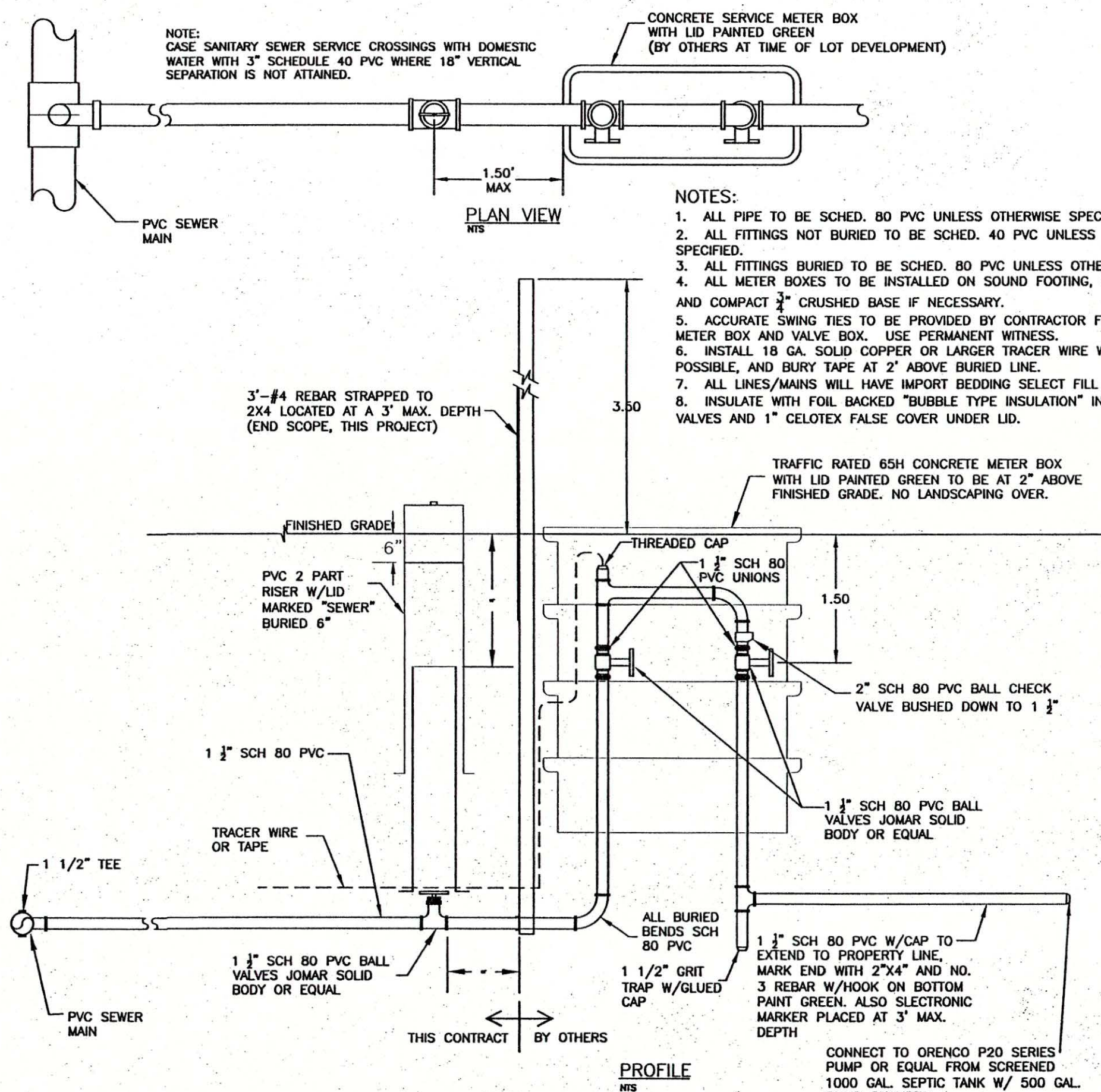
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1.5\"/>

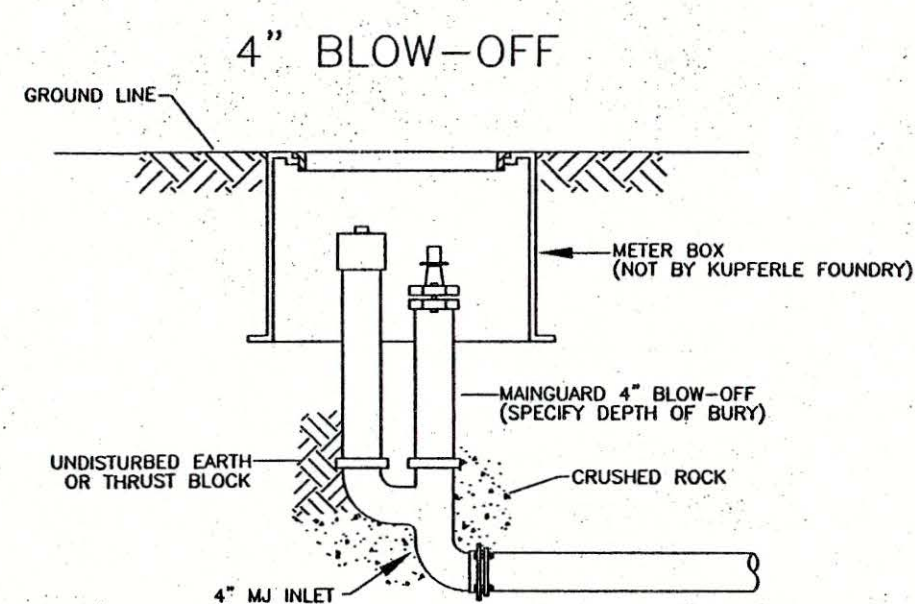


ITEM NO.	NO. REQ.	DESCRIPTION
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4	2	1\"/>
5	1	1\"/>
6	4	#3 CONCRETE BOXES - 3 REQUIRED PLUS 1 WITH LID
7	1	APCO (REGULAR) COMBINATION AIR RELEASE VALVE (150 PSI)
8	4	2\"/>

1\"/>

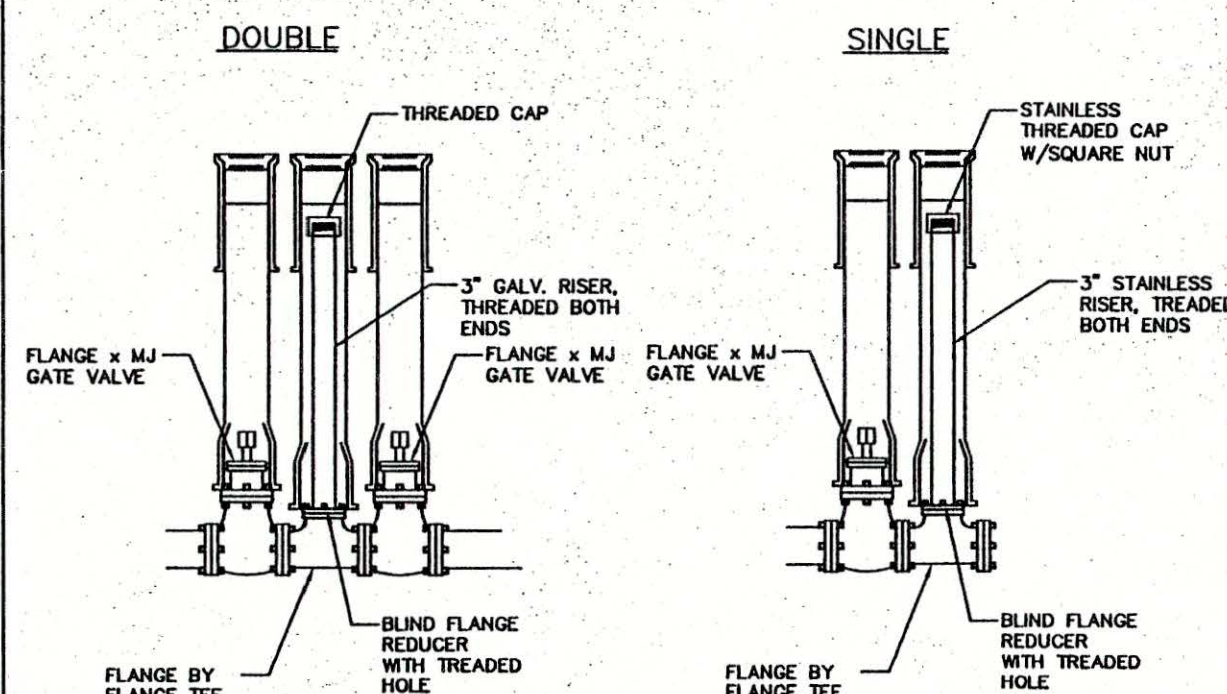


SANITARY SEWER SERVICE
SCALE: N.T.S.



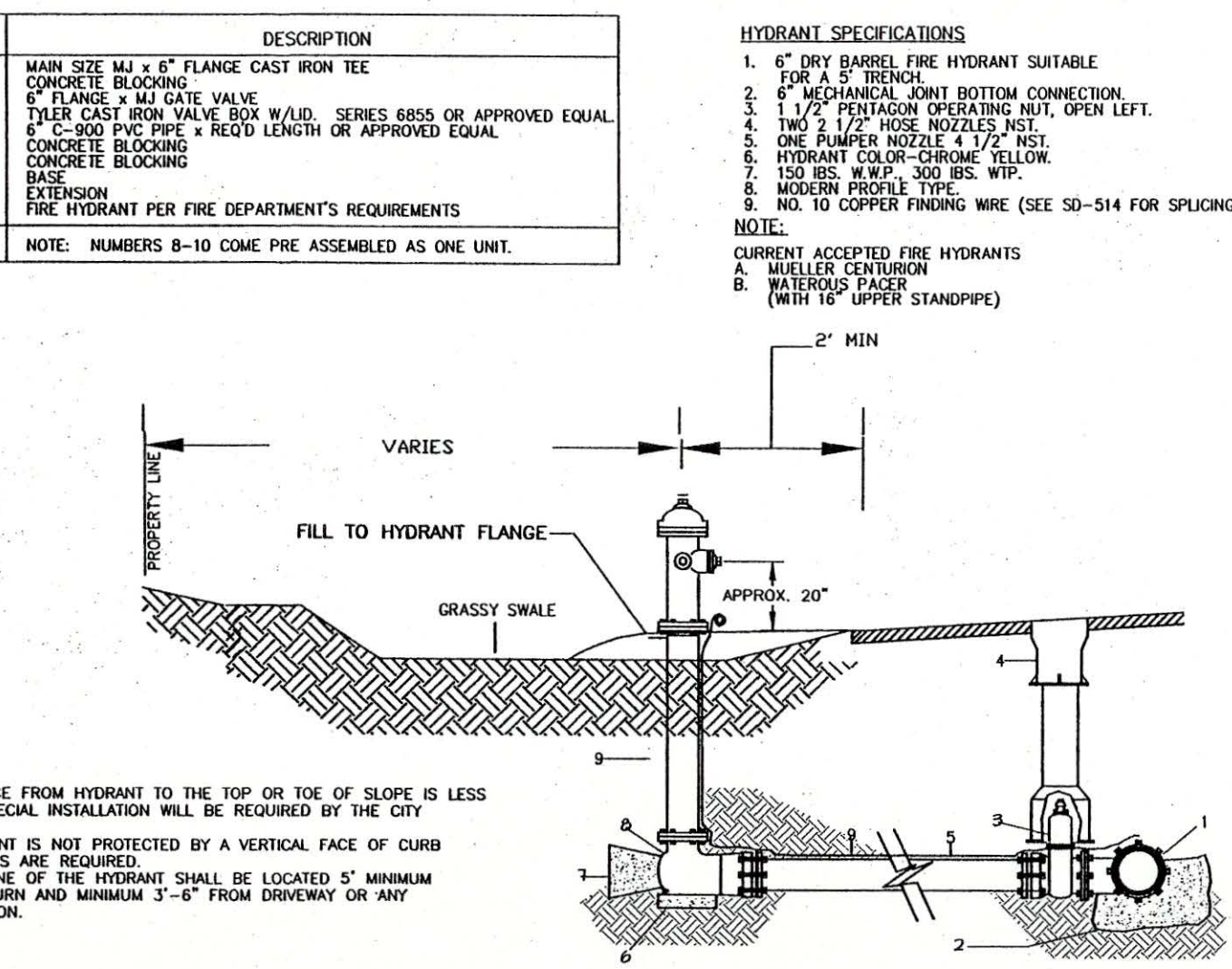
BLOW-OFFS SHALL BE NON-FREEZING, SELF DRAINING TYPE WITH AN OVERALL LENGTH OF 6\"/>

BLOW OFF DETAIL
SCALE: N.T.S.

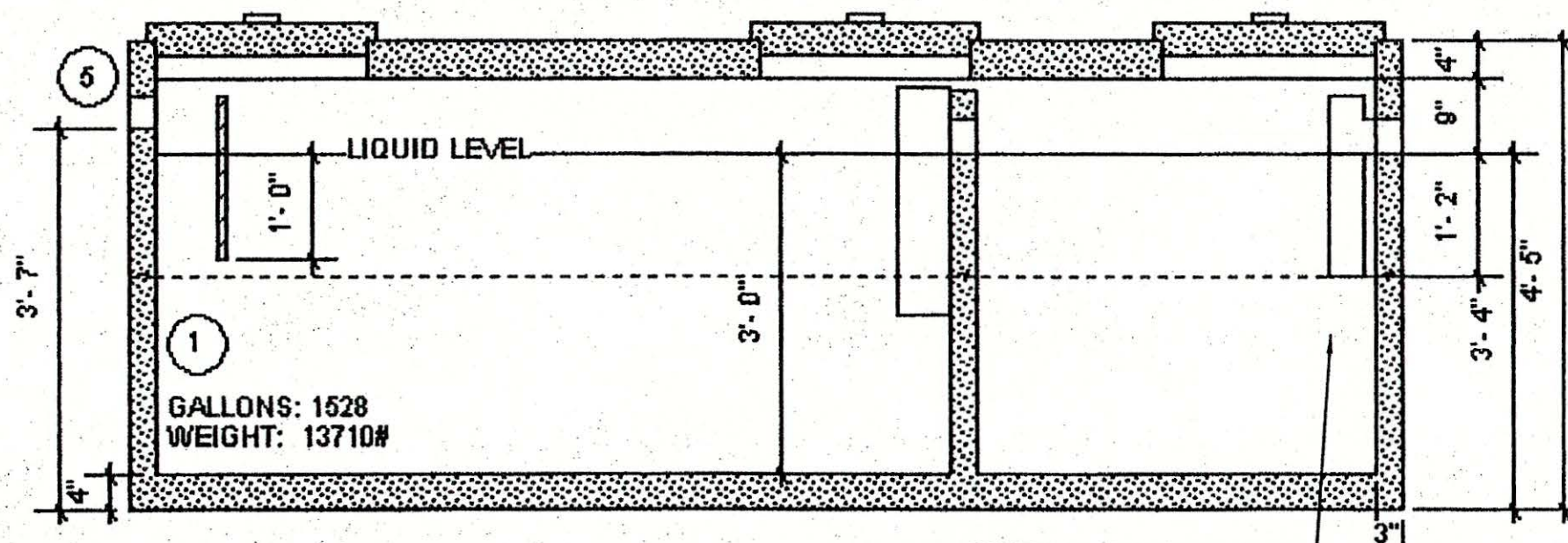


TYPICAL CLEANOUT DETAIL
SCALE: N.T.S.

ITEM NO.	NO. REQ.	DESCRIPTION
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2	1	CONCRETE BLOCKING
3	1	FLANGE x MJ GATE VALVE
4	1	TAPER CAST IRON VALVE BOX W/LID, SERIES 6855 OR APPROVED EQUAL
5	1	1\"/>
6	1	CONCRETE BLOCKING
7	1	CONCRETE BLOCKING
8	1	BASE
9	1	EXTENSION
10	1	FIRE HYDRANT PER FIRE DEPARTMENT'S REQUIREMENTS



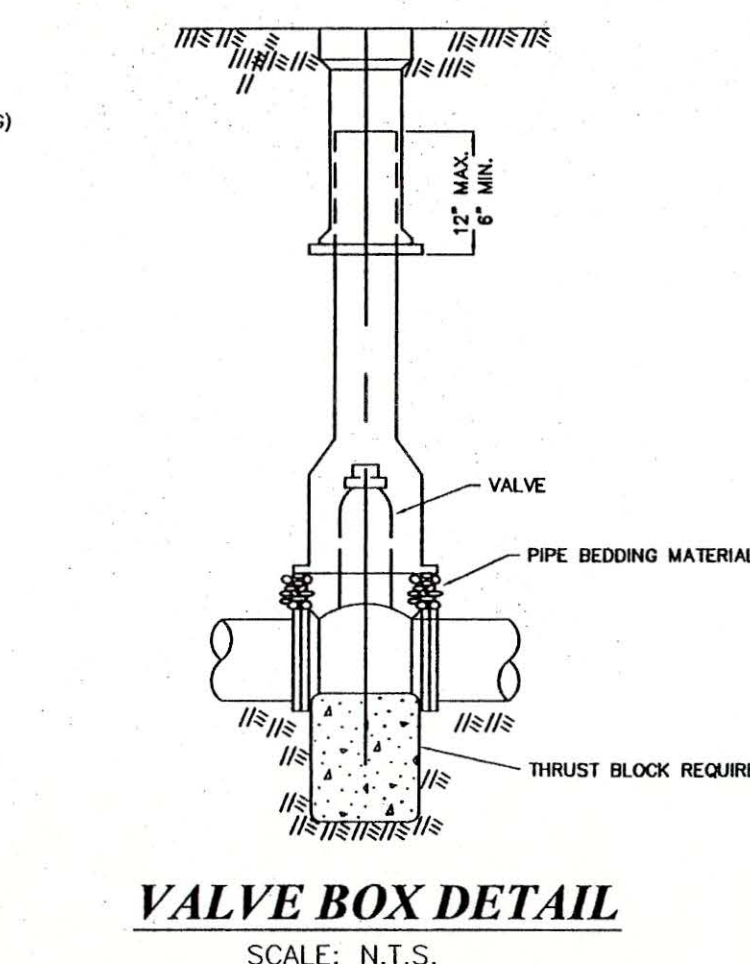
FIRE HYDRANT ASSEMBLY
SCALE: N.T.S.



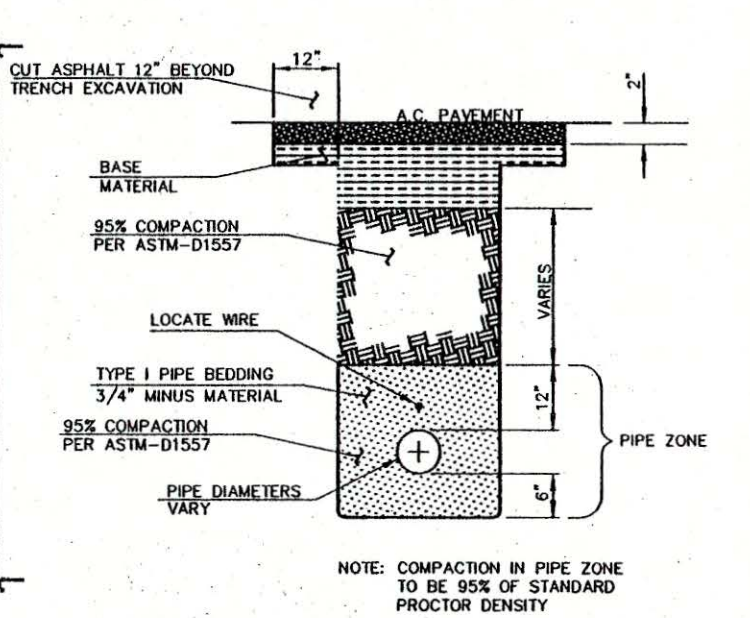
NOTES:
1. 2-PIECE CONSTRUCTION WITH BUTYL TAPE SEAL ASTM C900
2. PLASTIC BAFFLES AT INLET AND PASS THROUGH
3. SIDE INLET/OUTLET CONNECTION BY SPECIAL ORDER
4. CONCRETE OR 4\"/>

SECTION VIEW

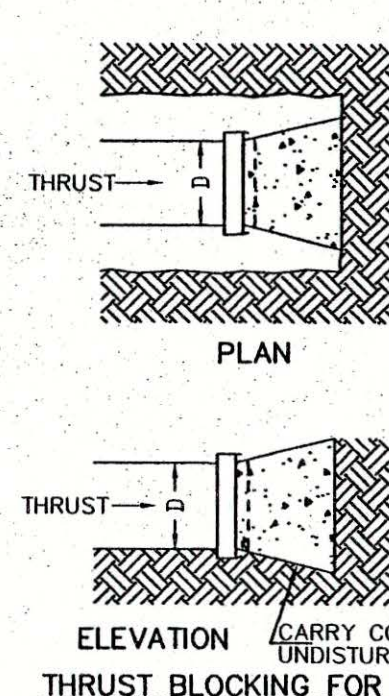
CONNECT TO ORENCO P20 SERIES PUMP OR EQUAL FROM SCREENED 1000 GAL. SEPTIC TANK W/ 500 GAL. PUMP CHAMBER.
PUMP TO BE SIZED BY INSTALLER SEE SHEET 043 FOR CONSTRAINTS.
ORENCO EFFLUENT FILTER SHALL BE USED.



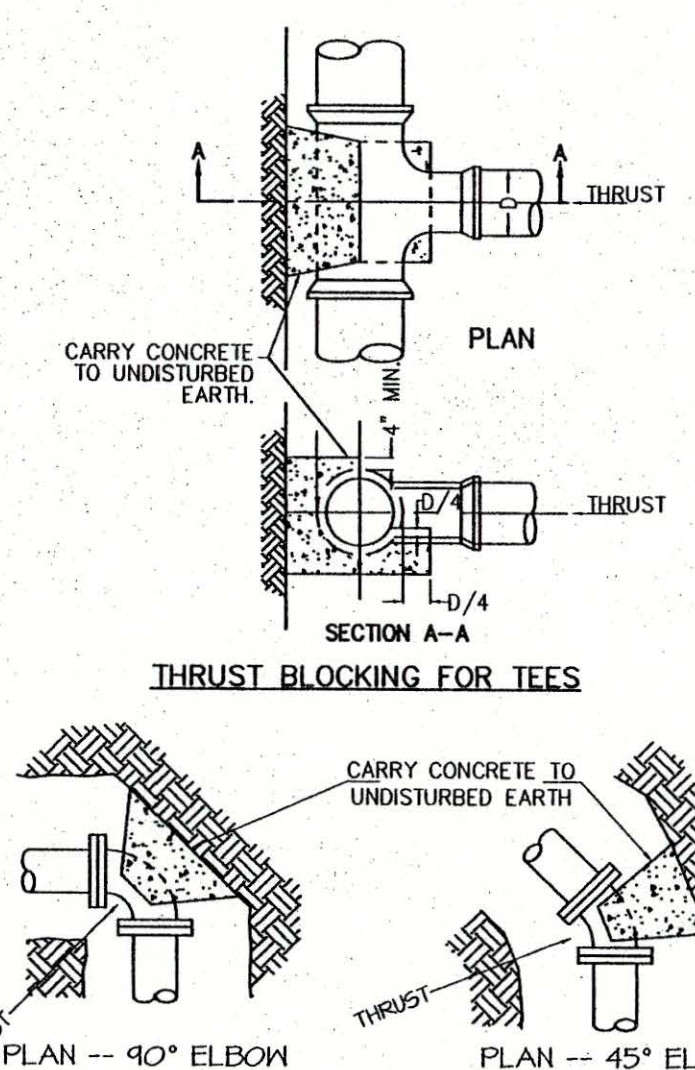
VALVE BOX DETAIL
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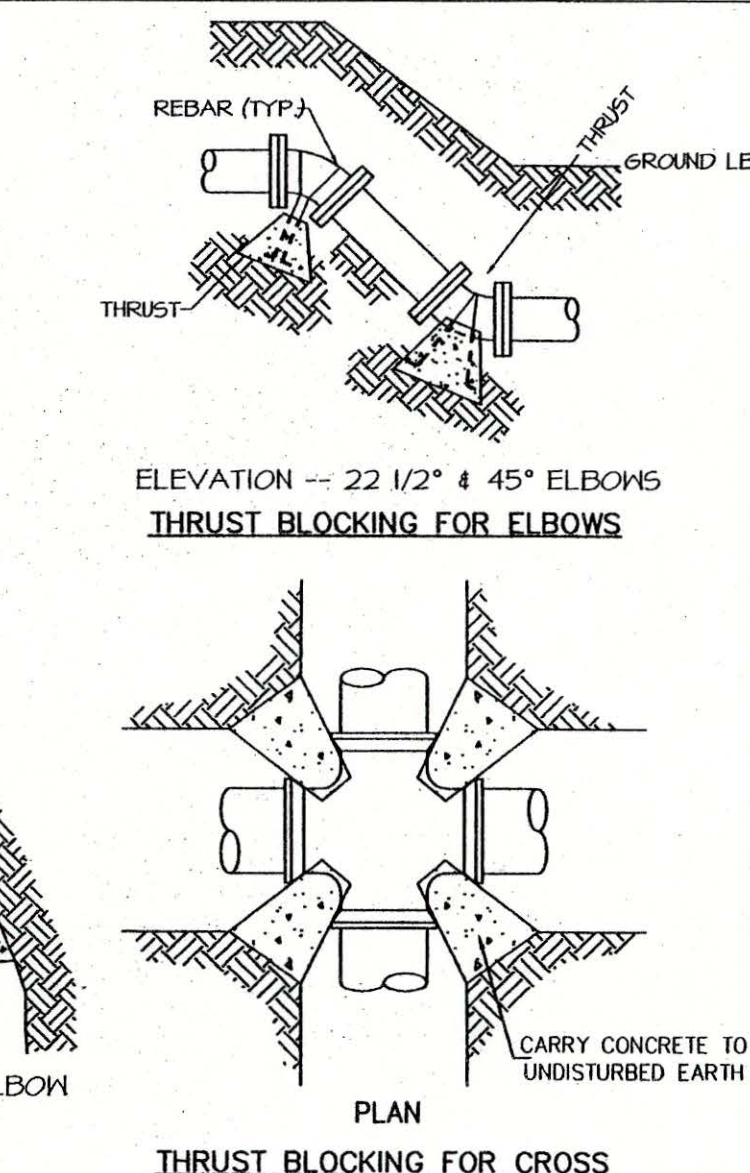
TRENCH / PIPE ZONE DETAIL
SCALE: N.T.S.



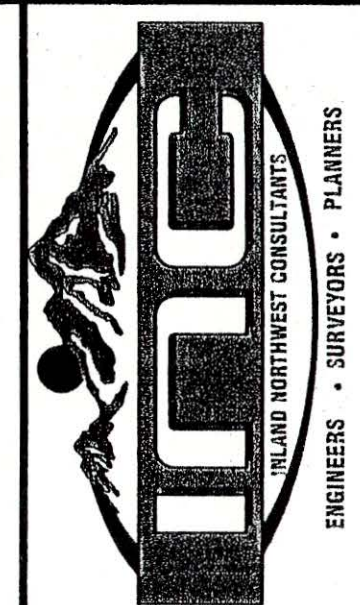
NOTES:
1. ALL CONCRETE TO BE 2500 P.S.I.
2. KEEP CONCRETE CLEAR OF NUTS AND BOLTS WHEN USING FLANGED FITTINGS.



THRUST BLOCK DETAIL
SCALE: N.T.S.



THRUST BLOCKING FOR CROSS



1296 Polson Avenue, Suite B
Post Falls, Idaho 83854
PHONE (208) 773-8370
FAX (208) 777-2128
www.inorthwest.com

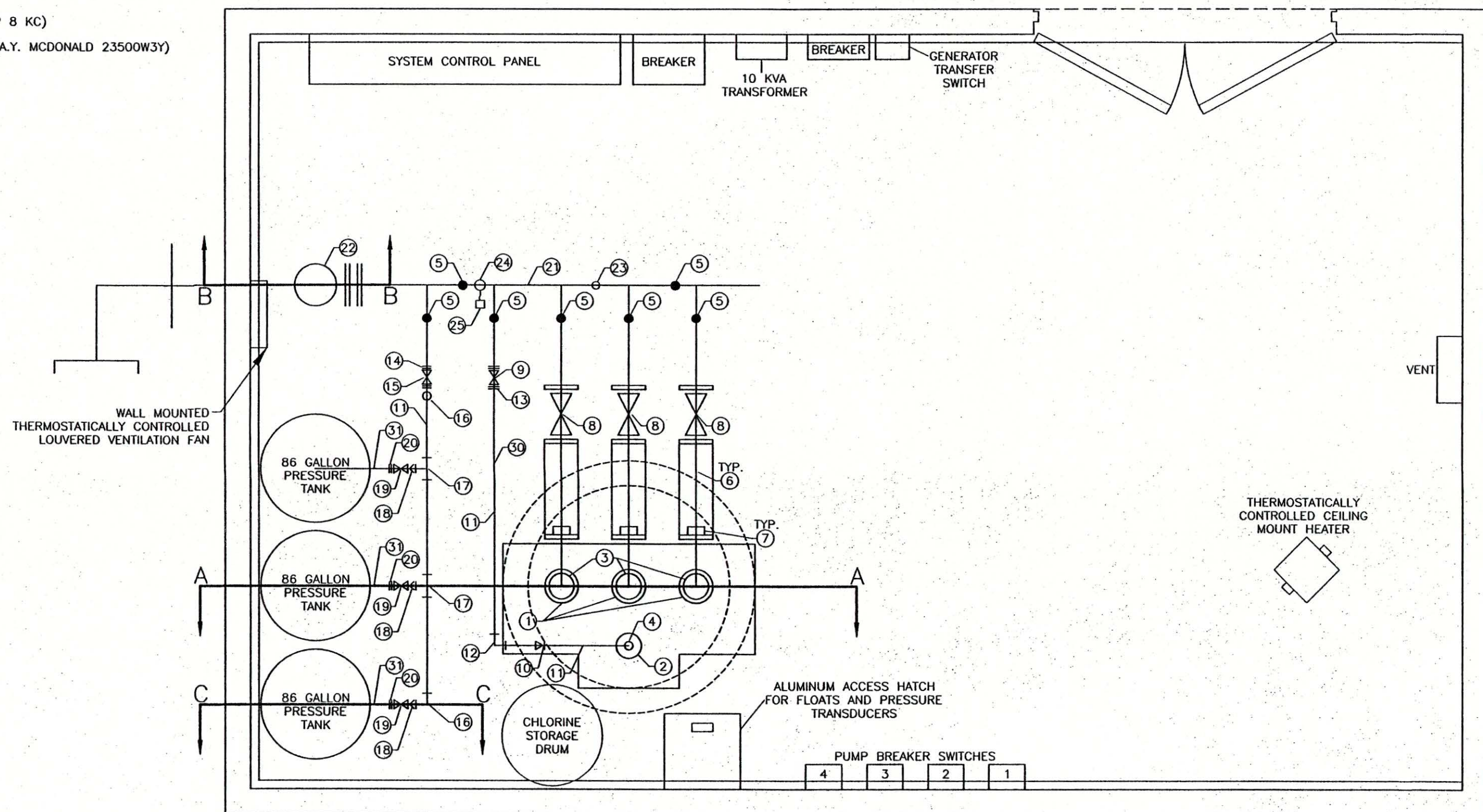


RECORD DRAWINGS
THE CROSSINGS
CONSTRUCTION DETAILS
BONNER COUNTY, ID

APPROVED BY:	
CITY ENGINEER	DATE
DESCRIPTION	DATE
ISSUE DATE: 06/14/07	
DRAWN BY: RF/JH/TLI	
CHECKED BY:	
DWG FILE: 05024-D2-AB	
PROJ. # PF05024	
SHEET TITLE: AS-BUILT CONSTRUCTION DETAILS	

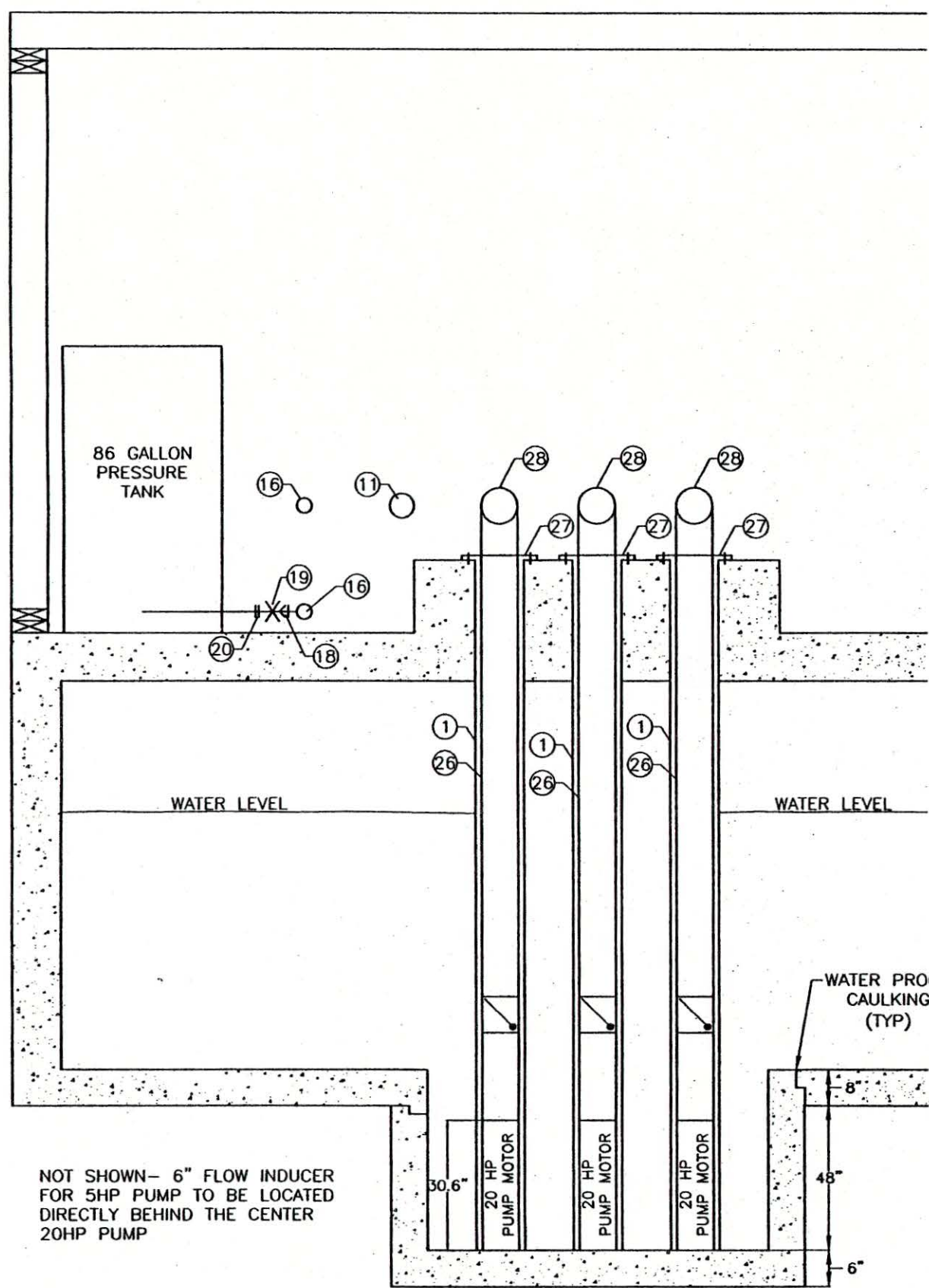
BUILDING MECHANICAL KEYNOTE LEGEND

- 1 8" C900 PVC FLOW INDUCER
2 6" C900 PVC FLOW INDUCER
3 6" SCHEDULE 40 STEEL DROP PIPE W/6" WELD 90°, FLANGED BY SOLE PLATE (AMERICAN MARSH PUMP 8 KC)
4 2" SCHEDULE 40 STEEL DROP PIPE W/2" WELD 90° FLANGED, 3/4" SOLE PLATE WELDED TO DROP PIPE (A.Y. McDONALD 23500W3Y)
5 PIPE STANCHIONS
6 6"x2'6" FLANGE BY PLAIN END DUCTILE IRON SPOOL
7 6" FLANGE COUPLING ADAPTER W/RODS
8 6" FLANGED OUTSIDE SCREW AND YOKE GATE VALVE
9 2 1/2" FLANGED OUTSIDE SCREW AND YOKE GATE VALVE
10 3"x2" GALVANIZED BELL REDUCER
11 2" GALVANIZED PIPE
12 2 1/2"x2" GALVANIZED 90° ELBOW
13 2 1/2" COMPANION FLANGE
14 2" COMPANION FLANGE
15 2" SCREWED GATE VALVE
16 2" GALVANIZED 90° ELBOW
17 2" GALVANIZED TEE
18 2"x1 1/2" GALVANIZED BUSHING
19 1 1/2" GATE VALVE
20 1 1/2" GALVANIZED UNION
21 10" .375 WALL HEADER WITH: 3-EACH 6" PORTS, 1-EACH 4" PORT, 1-EACH 3" PORT.
22 10" FLANGED 90° ELBOW
23 1" SAMPLE TAP
24 2" SADDLE WITH THROW TO 3/4" AND PRESSURE GAUGE
25 PRESSURE TRANSDUCER
26 6" SCHEDULE 40 STEEL DROP PIPE
27 3/4" STEEL SOLE PLATE
28 6" WELD 90°
29 4" GALVANIZED PIPE
30 3" GALVANIZED PIPE
31 1 1/2" GALVANIZED PIPE
32



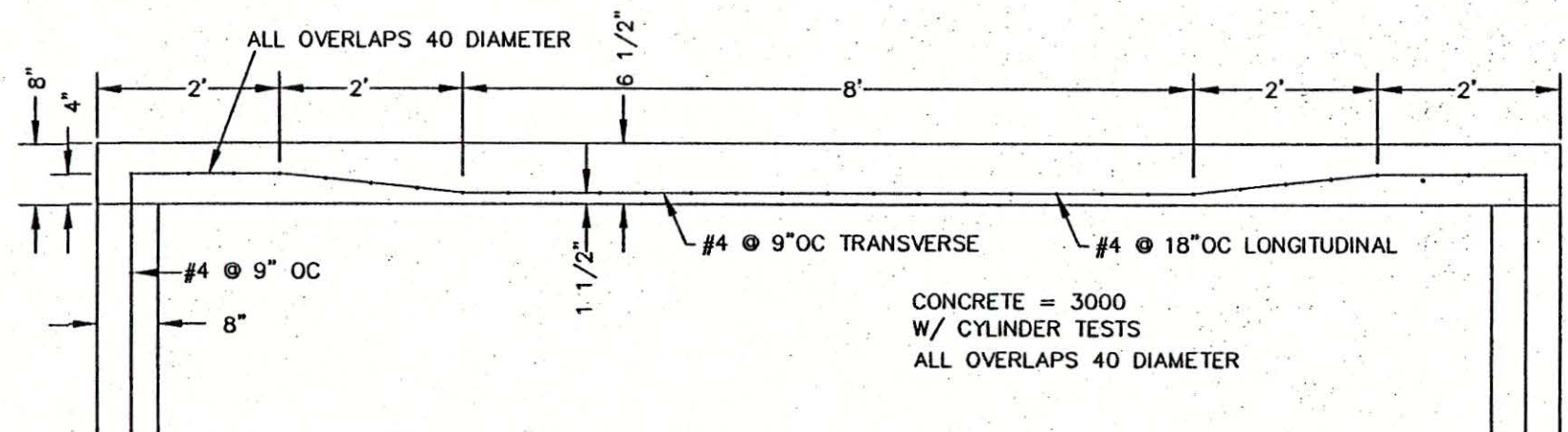
BUILDING MECHANICAL SCHEMATIC

SCALE: 1/2" = 1'



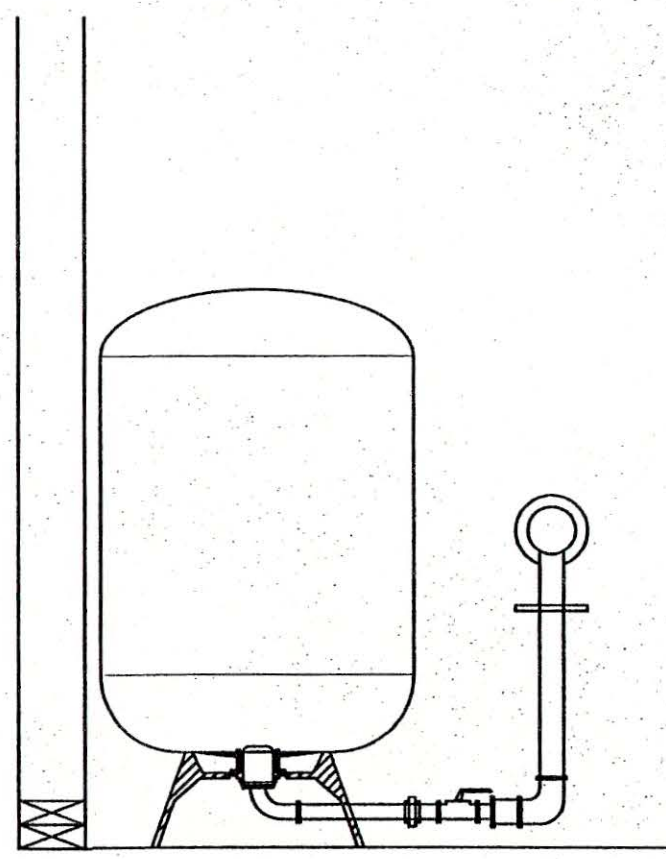
BUILDING SECTION A-A

NTS



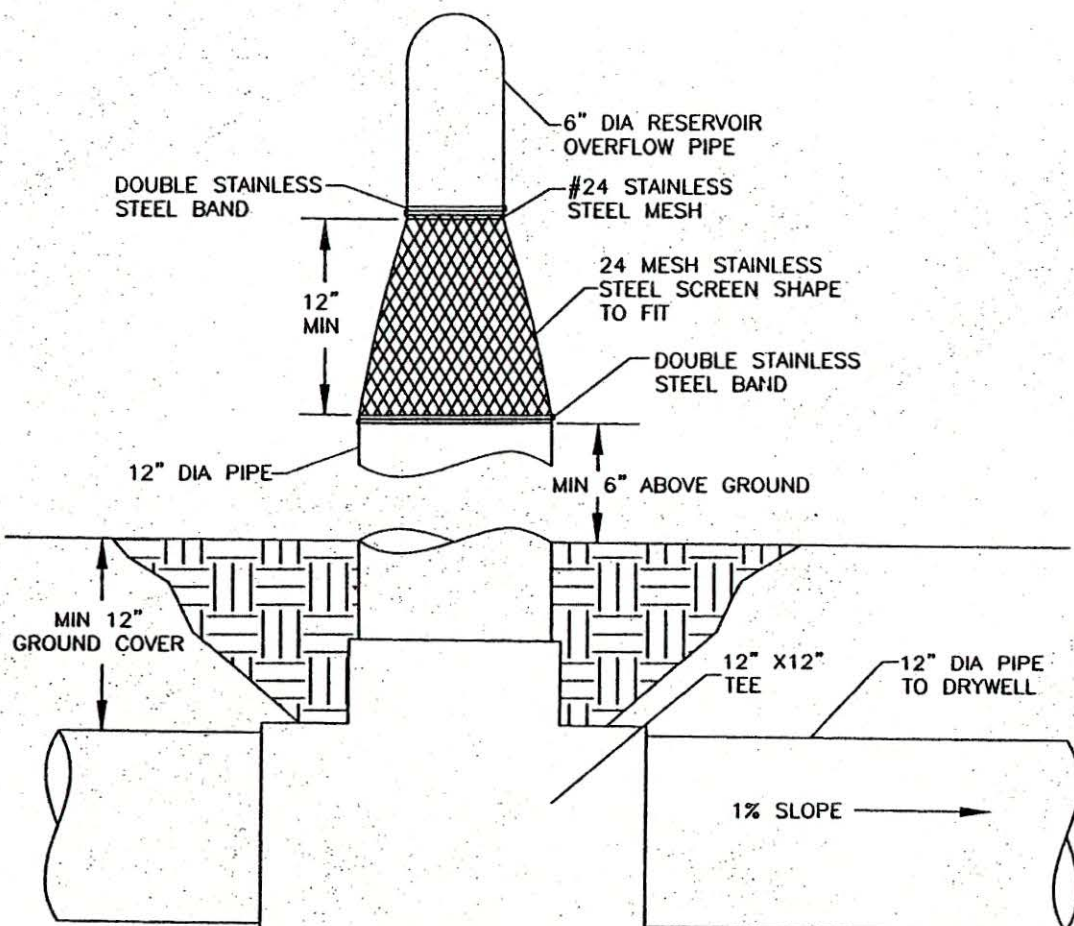
LID DETAIL

SCALE: 1" = 2'



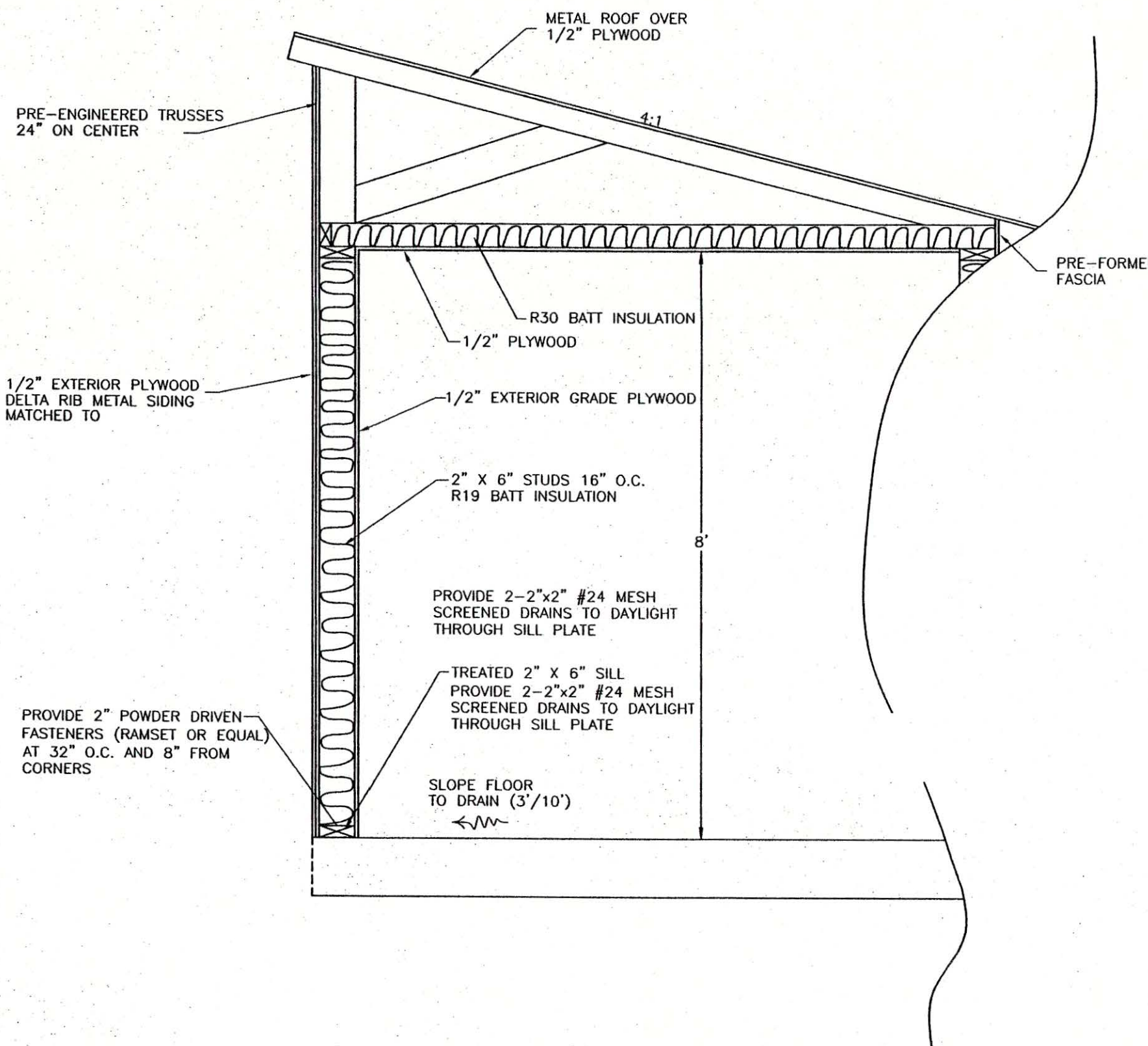
SECTION C-C

SCALE: N.T.S.



OVERFLOW AIR GAP DETAIL

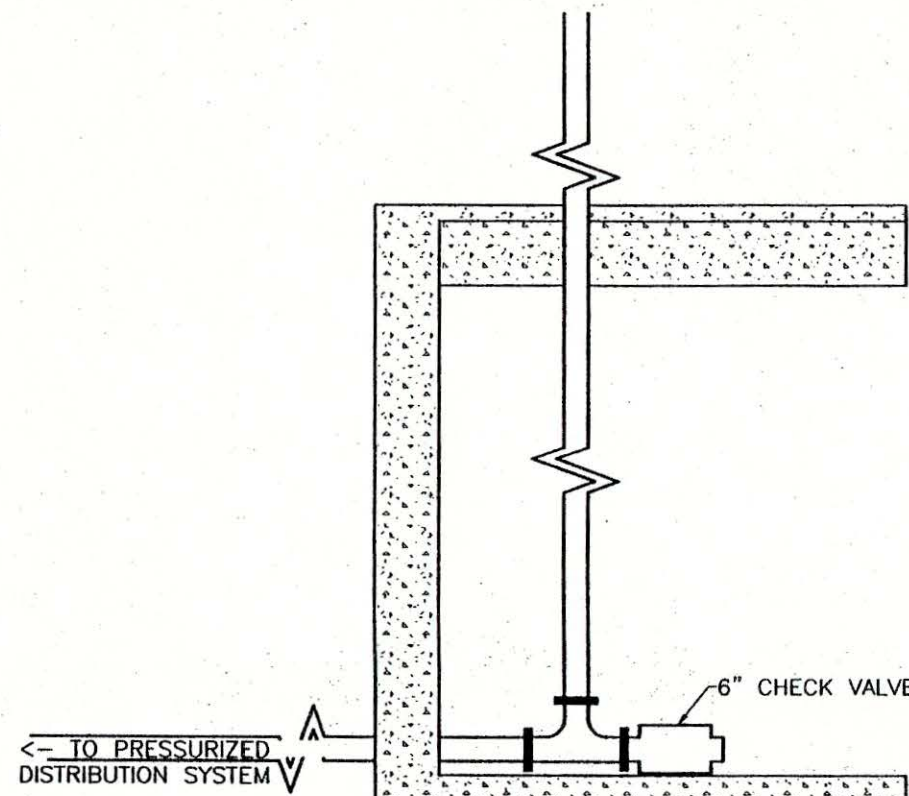
N.T.S.



BUILDING SECTION

SCALE: NTS

RECORD DRAWINGS



SECTION B-B

SCALE: N.T.S.



1296 Polston Avenue, Suite B
Post Falls, Idaho 83854
PHONE (208) 775-4370
FAX (208) 775-2128
WWW.RECORDDRAWINGS.COM



RECORD DRAWINGS
THE CROSSINGS
WELL SITE DETAILS
BONNER COUNTY, ID

APPROVED BY:

CITY ENGINEER DATE

DATE	DESCRIPTION

ISSUE DATE: 06/14/07
DRAWN BY: RF/JHH/ILT
CHECKED BY:
DWG FILE: 05024-02-AB
PROJ. # PF05024

SHEET TITLE:
AS-BUILT
WELL SITE
DETAILS