

**TEXAS GENERAL LAND OFFICE
HURRICANE IKE/DOLLY ROUND 1 CRITICAL INFRASTRUCTURE PROJECT
DISASTER RECOVERY DIVISION**

**JEFFERSON COUNTY, TEXAS
JEFFERSON COUNTY WC&ID NO. 10 - WATER AND SEWER IMPROVEMENTS
GRANTEE CONTRACT NO. DRS010219**

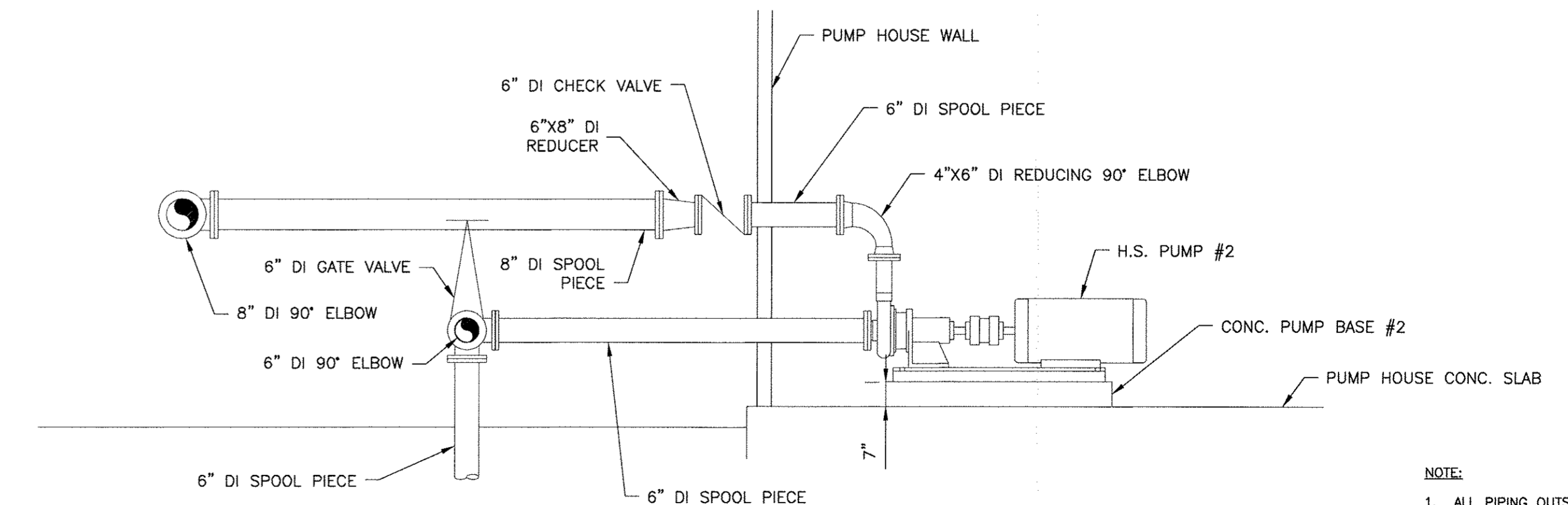
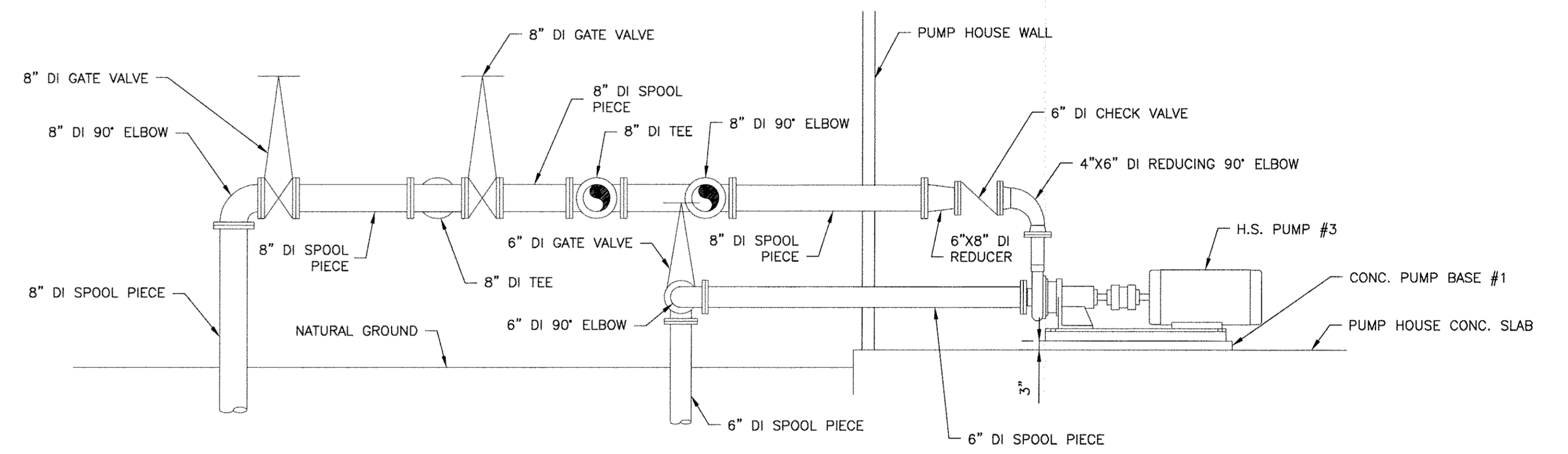
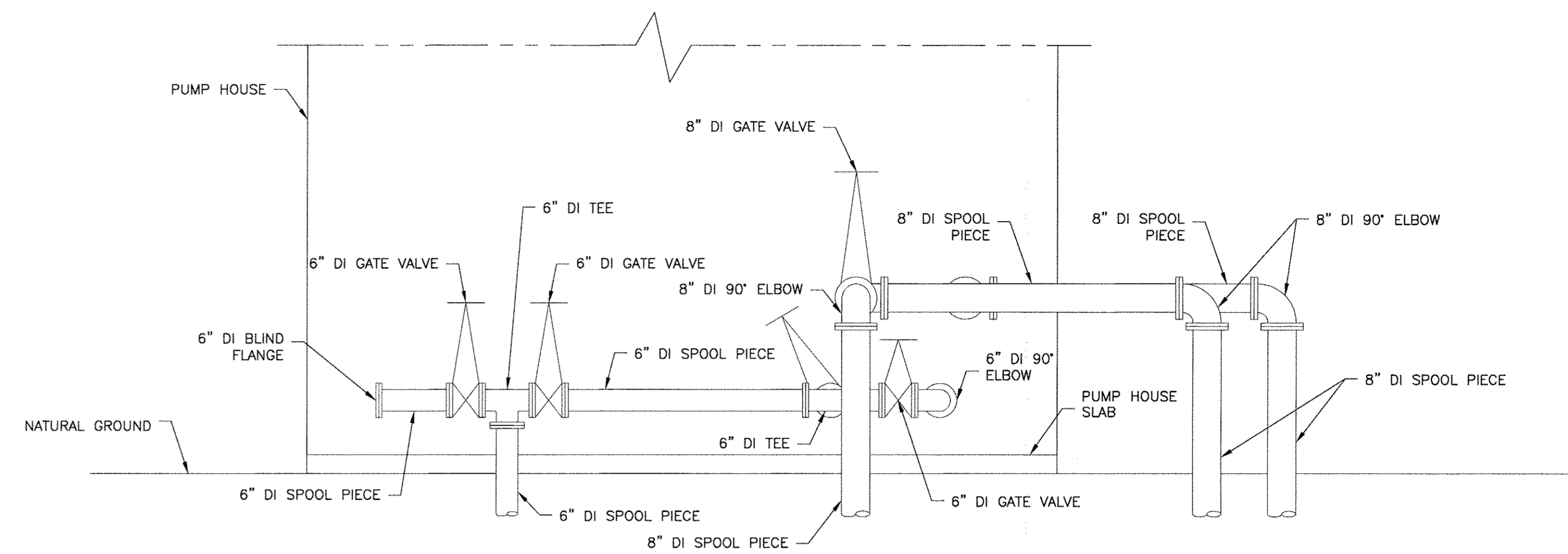
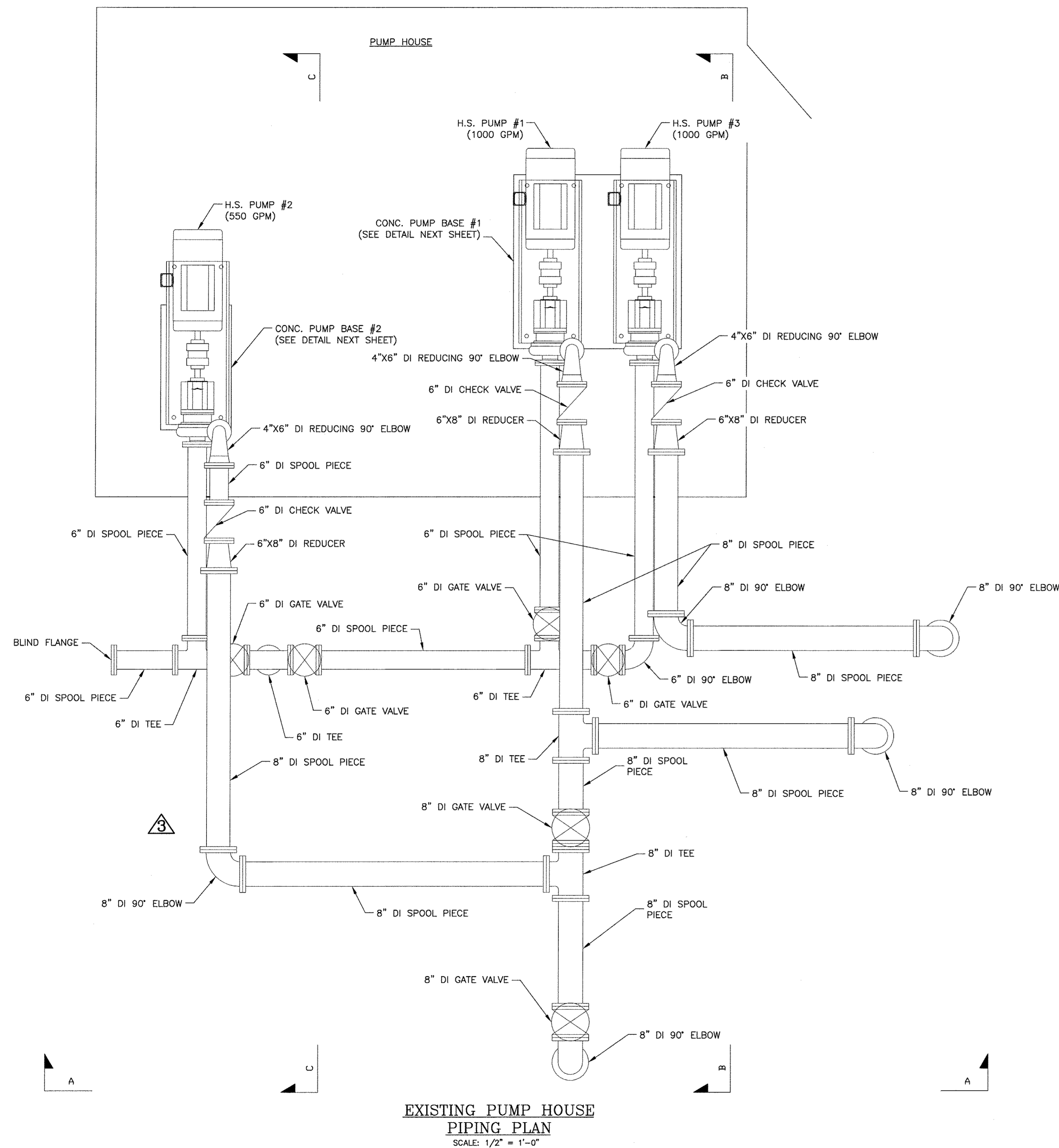
ISSUED ON JANUARY 11, 2013

ADDENDUM NO. 3

1. The attached Construction Plan, Sheet 6 of 23, Pump House Existing Piping shall replace the existing Construction Plan, Sheet 6 of 23, Pump House Existing Piping in its entirety.
2. The attached Construction Plan, Sheet 6A of 23, Pump House shall be inserted into the Construction Plans.
3. The attached Construction Plan, Sheet 7 of 23, Pump House Proposed Piping and Pump Base Details shall replace the existing Construction Plan, Sheet 7 of 23, Pump House Proposed Piping and Pump Base Details in its entirety.
4. The attached Construction Plan, Sheet 12 of 23, Electric Building-Electric Plan shall replace the existing Construction Plan, Sheet 12 of 23, Electric Building-Electric Plan in its entirety.

END OF ADDENDUM NO. 3





NOTE:
1. ALL PIPING OUTSIDE PUMP HOUSE IS AND SHALL BE INSULATED.

Date : 9/2011
File Name : 6304
File Drawer No. : 6304

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JEFFREY D. LEAVINS, P.E. 111537, ON 1/11, 2013.

JEFFREY D. LEAVINS
111537
REGISTERED PROFESSIONAL ENGINEER

No.	Revisions	By	Checked	Date
1	ADDENDUM #3	LA	JL	1/13

Carroll & Blackman, Inc.

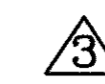
TEXAS REGISTERED ENGINEERING FIRM F-001054
Consulting Engineers & Surveyors
3120 Fannin Street
Beaumont, Texas 77701
(409) 833-3363

TEXAS GENERAL LAND OFFICE
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JEFFERSON COUNTY WATER AND SEWER SYSTEM IMPROVEMENTS
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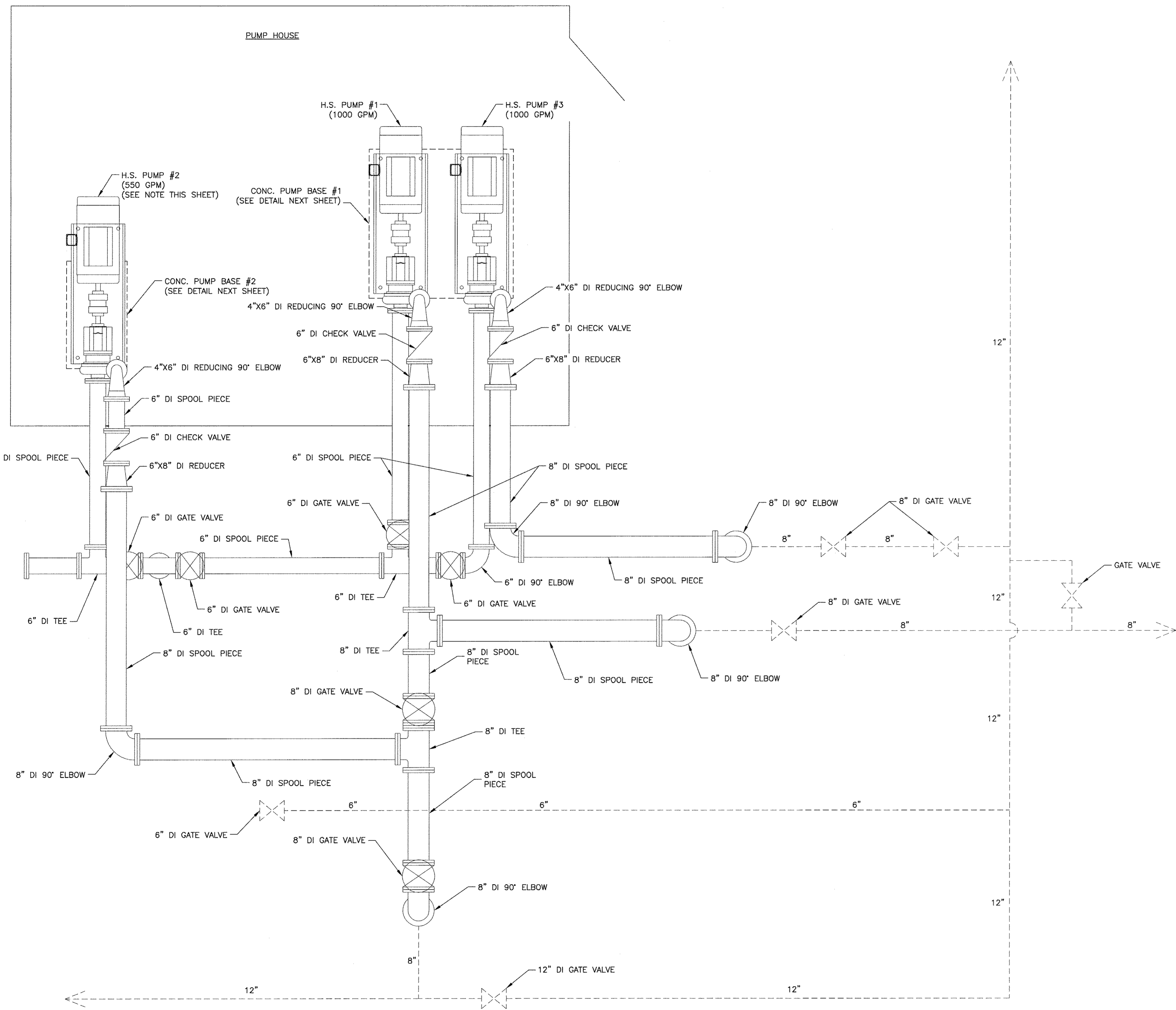
JEFFERSON COUNTY WC&ID NO. 10
PUMP HOUSE EXISTING PIPING

Action	Name	Date
Design	T.S.	4/11
Drawn	K.H.	5/11
Checked	T.S.	5/11
Approved	T.J.D.	5/11
Scale	3/8" = 1'-0"	
Sheet	6 of 23	

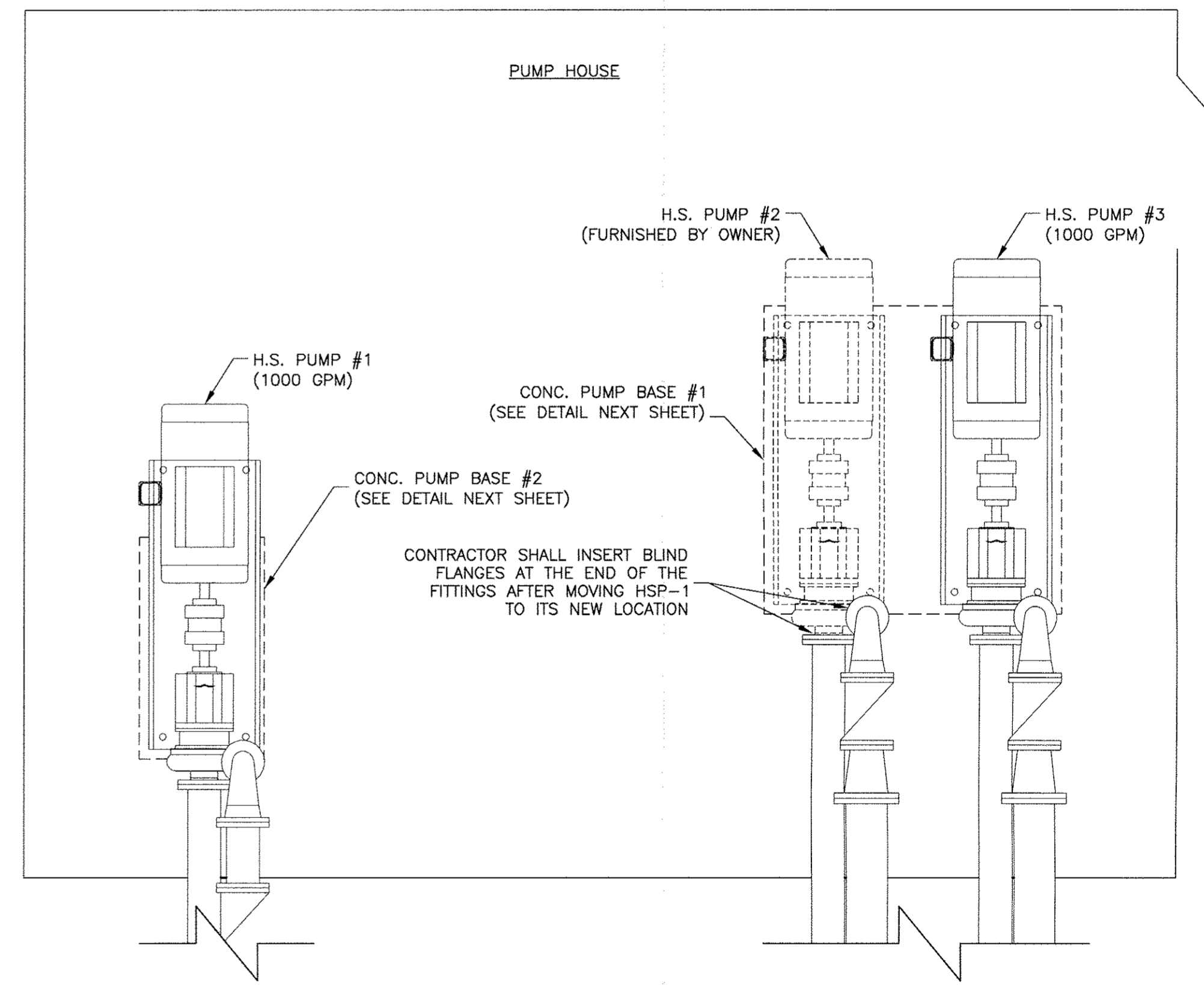
CONSTRUCTION NOTES:



1. CONTRACTOR SHALL REMOVE EXISTING H.S. PUMP #2 (550 GPM) FROM PUMP HOUSE. CONTRACTOR SHALL COORDINATE WITH OWNER ON WHERE PUMP SHALL BE STORED.
2. CONTRACTOR SHALL MOVE EXISTING H.S. PUMP #1 (1000 GPM) TO PROPOSED CONCRETE PUMP PAD (LOCATION OF EXISTING H.S. PUMP #2).
3. THE CONTRACTOR SHALL PERFORM ALL WORK ASSOCIATED WITH MOVING AND RAISING H.S. PUMP #1 BEFORE BEGINNING WORK ON H.S. PUMP #2/H.S. PUMP #3 AND ASSOCIATED PIPES.
4. H.S. PUMP #1 SHALL BE OPERATIONAL AND ONLINE BEFORE WORK CAN BE PERFORMED ON H.S. PUMP #2/H.S. PUMP #3.
5. THE CONTRACTOR SHALL GIVE THE OWNER A MINIMUM OF ONE (1) WEEK NOTICE PRIOR TO ANY WORK BEING PERFORMED ON THE HIGH SERVICE PUMPS.
6. THE CONTRACTOR WILL HAVE A MAX. 12 HOURS TO COMPLETE ALL WORK ASSOCIATED WITH EACH HIGH SERVICE PUMP.
7. CONTRACTOR SHALL INSTALL NEW H.S. PUMP #2 (1000 GPM) FURNISHED BY OWNER ON PROPOSED CONCRETE PUMP PAD. (LOCATION OF EXISTING H.S. PUMP #1)



EXISTING PIPE SCHEMATIC
SCALE: 1/2" = 1'-0"



PROPOSED PUMP HOUSE
SCALE: 1/2" = 1'-0"

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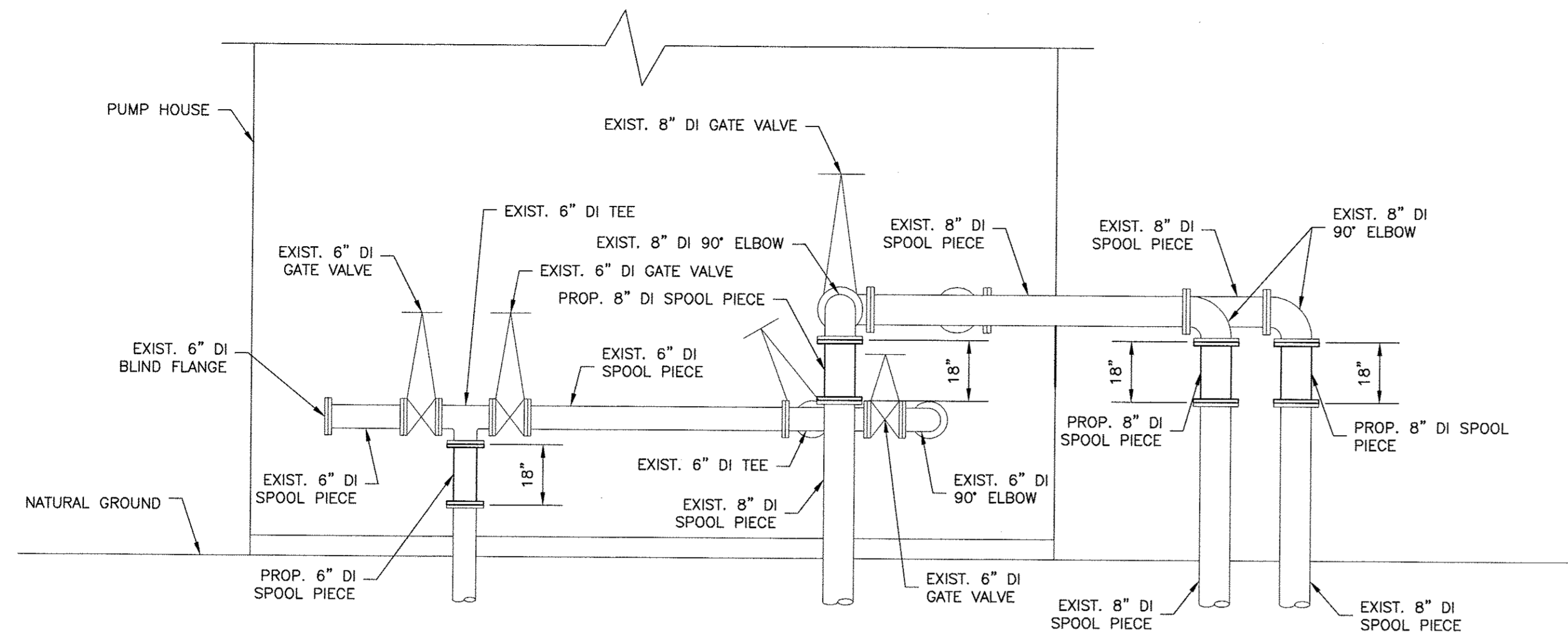
No.	Revisions	By	Checked	Date
3	ADDENDUM #3	LA	JL	1/13

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 TEXAS REGISTERED ENGINEERING FIRM F-001054
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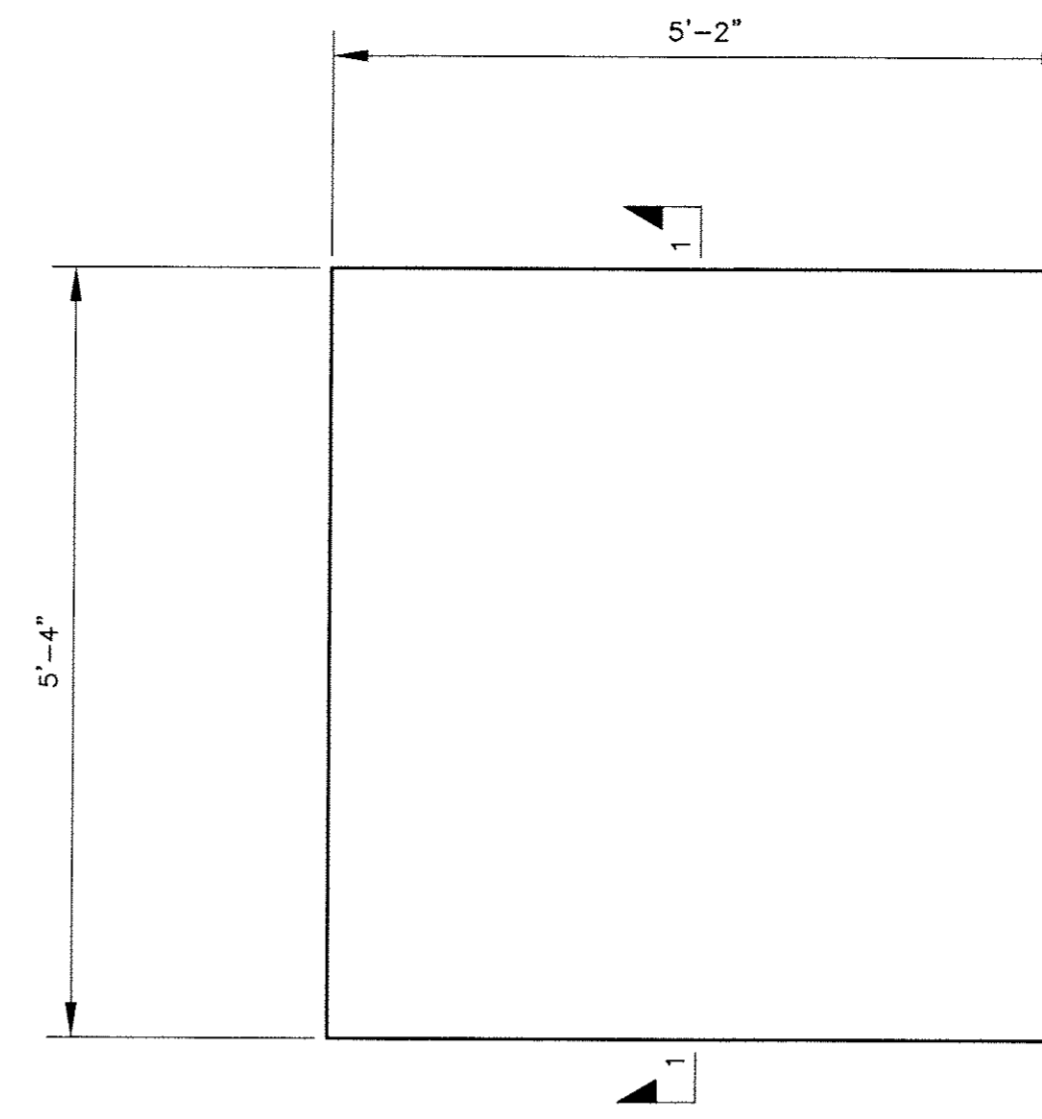
TEXAS GENERAL LAND OFFICE
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JEFFERSON COUNTY WC&ID NO. 10
 PUMP HOUSE

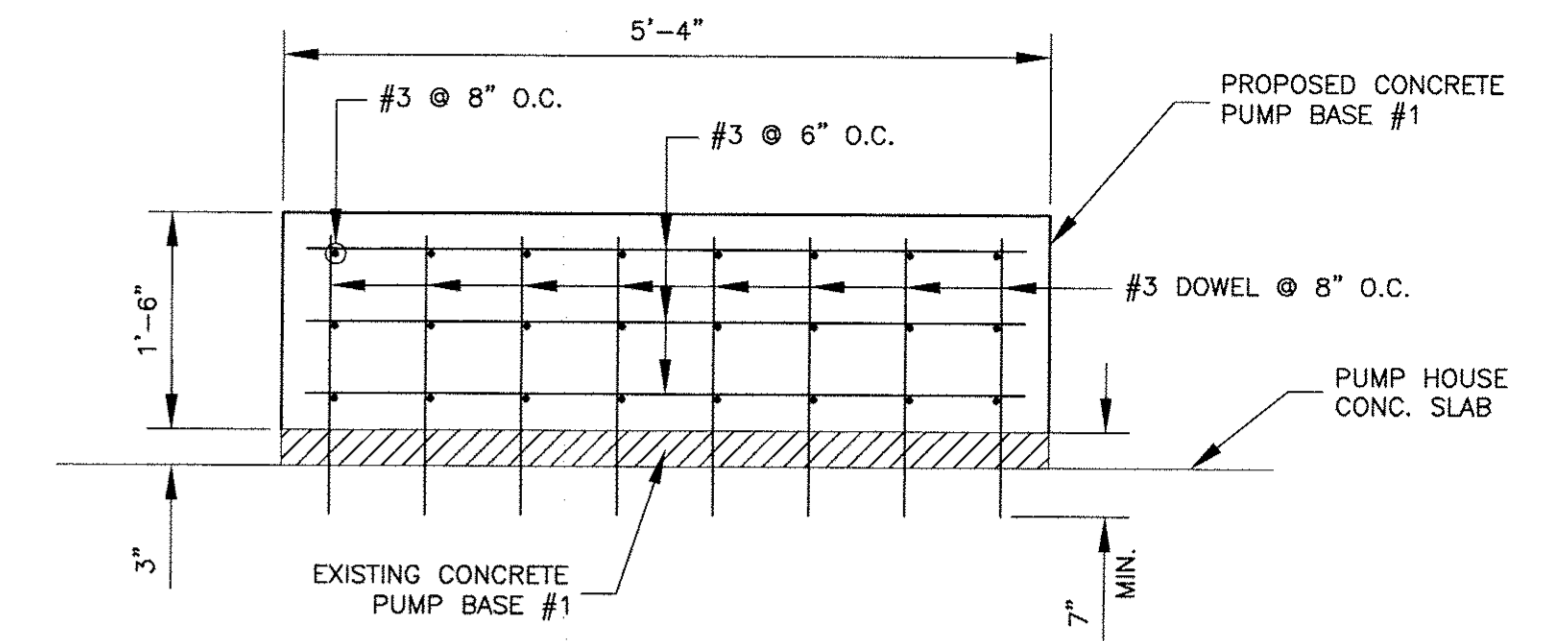
Action	Name	Date
Design	T.S.	4/11
Drawn	K.H.	5/11
Checked	T.S.	5/11
Approved	T.J.D.	5/11
Scale	3/8" = 1'-0"	
Sheet	6A	Of 23



PROPOSED SECTION A-A
SCALE: 3/8" = 1'-0"

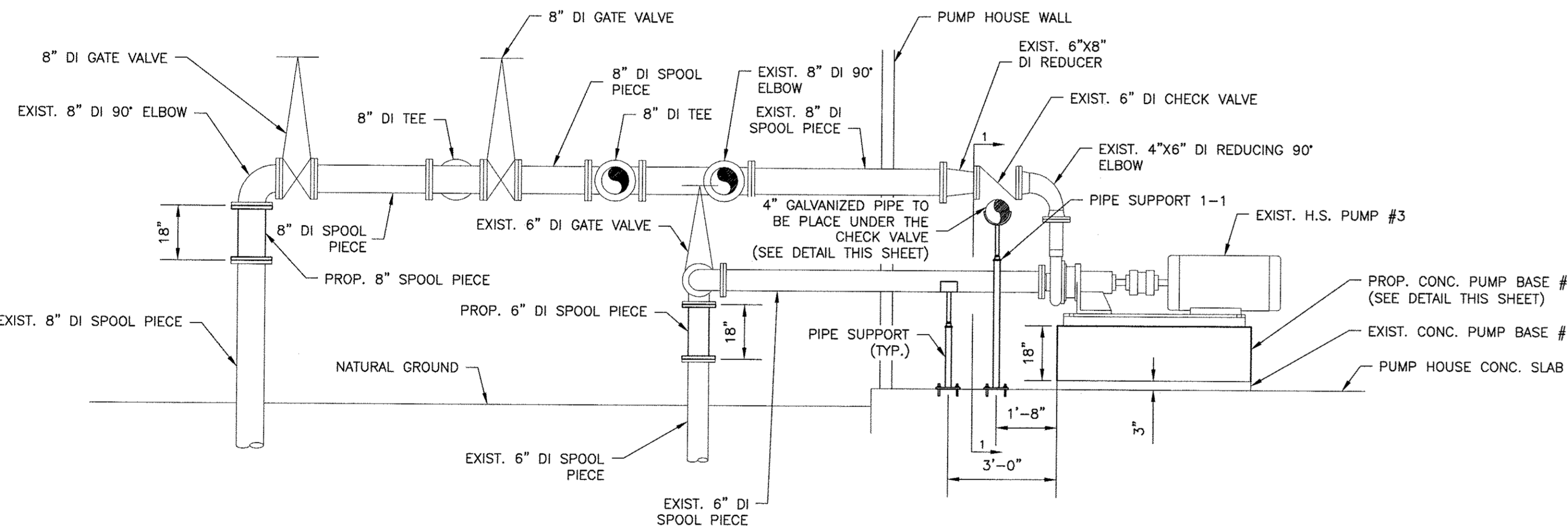


PLAN

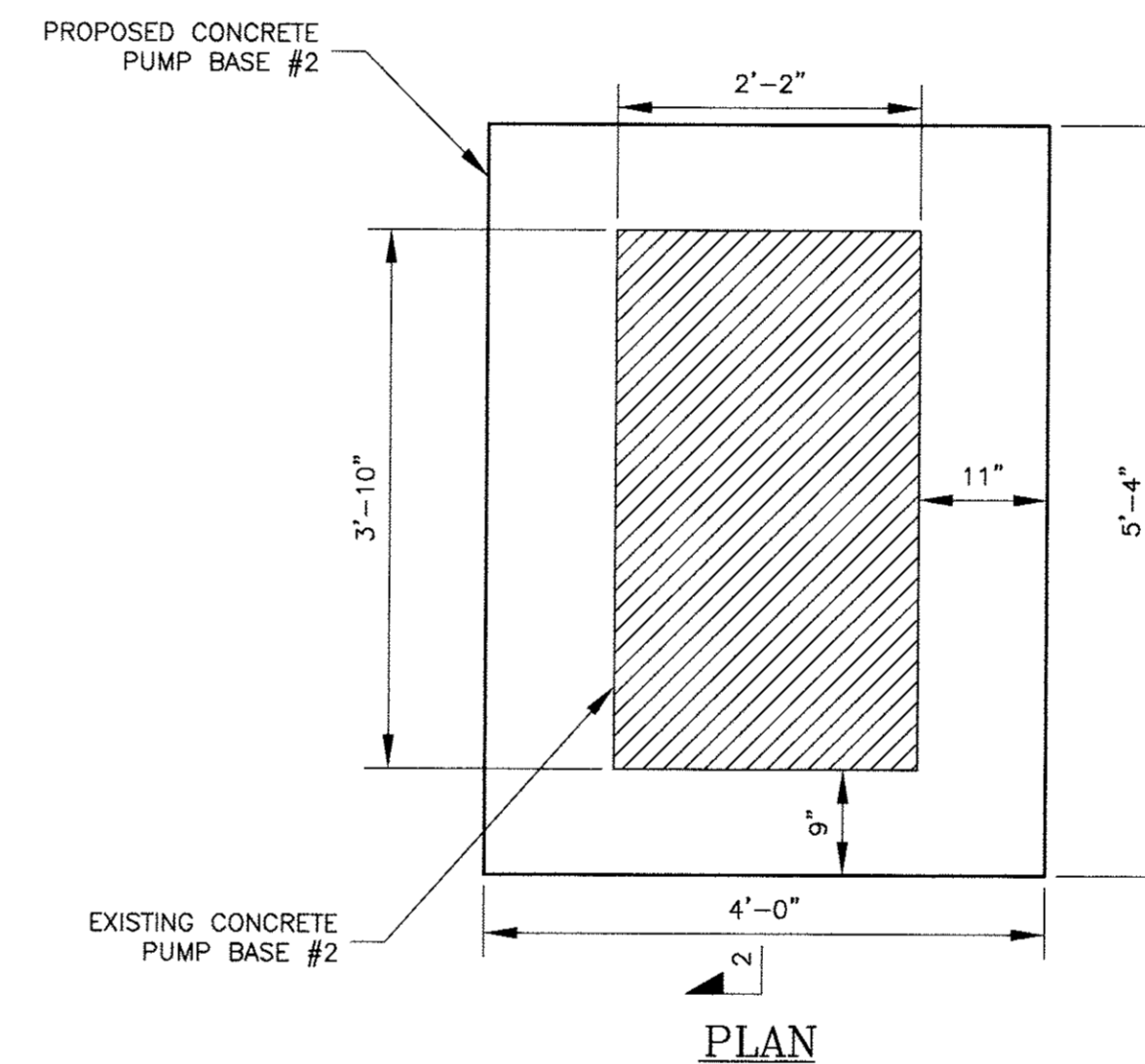


SECTION 1-1

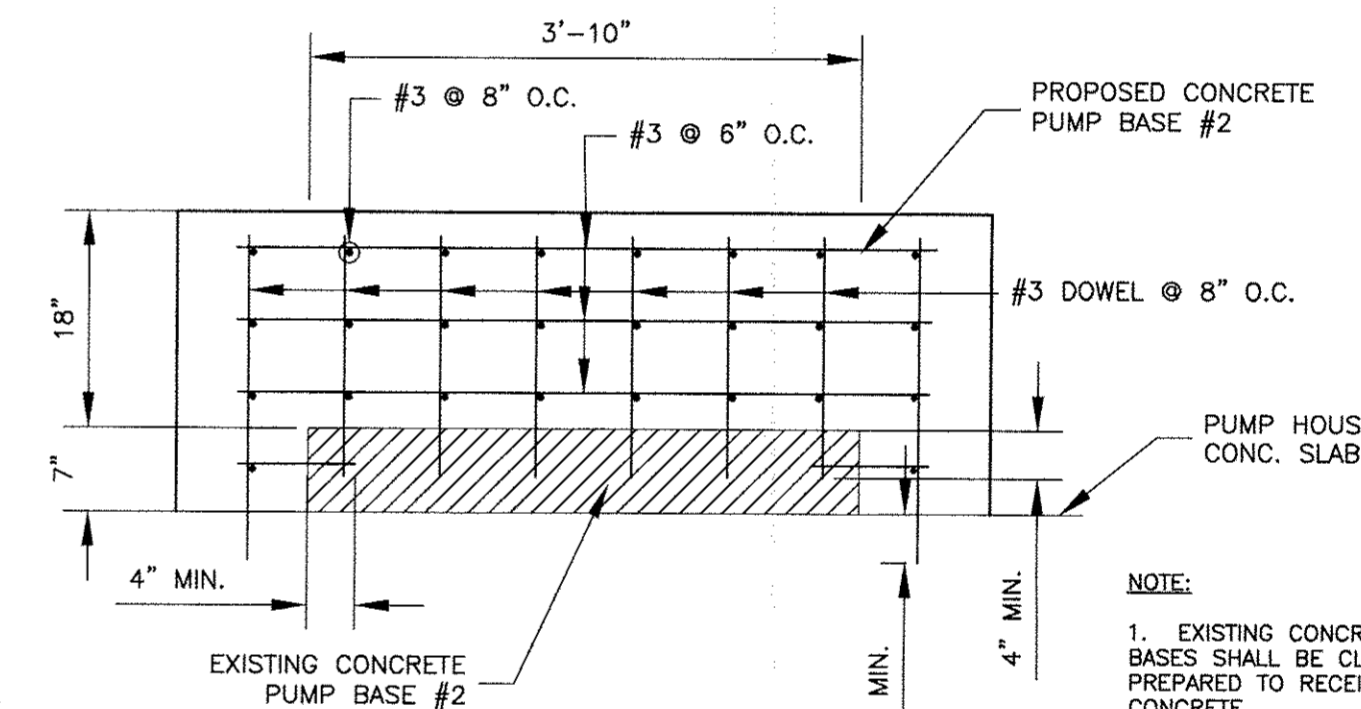
PROPOSED CONCRETE PUMP BASE #1
SCALE: 3/4" = 1'-0"



PROPOSED SECTION B-B
SCALE: 3/8" = 1'-0"



PLAN

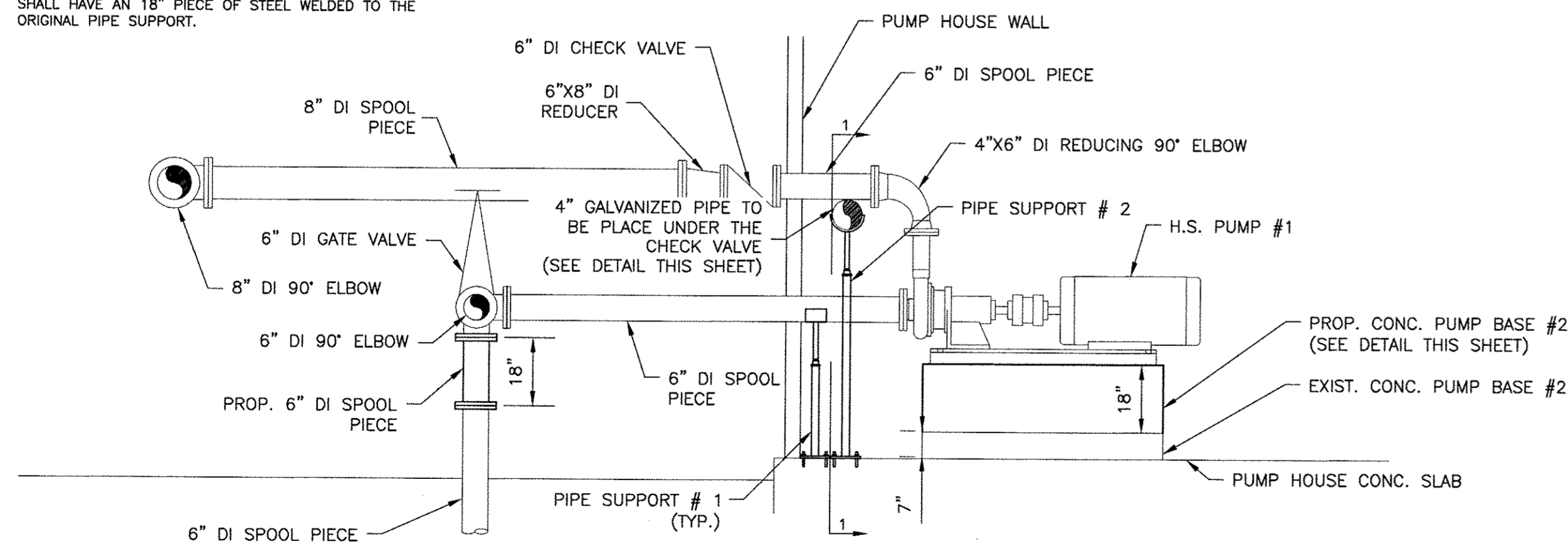


SECTION 2-2

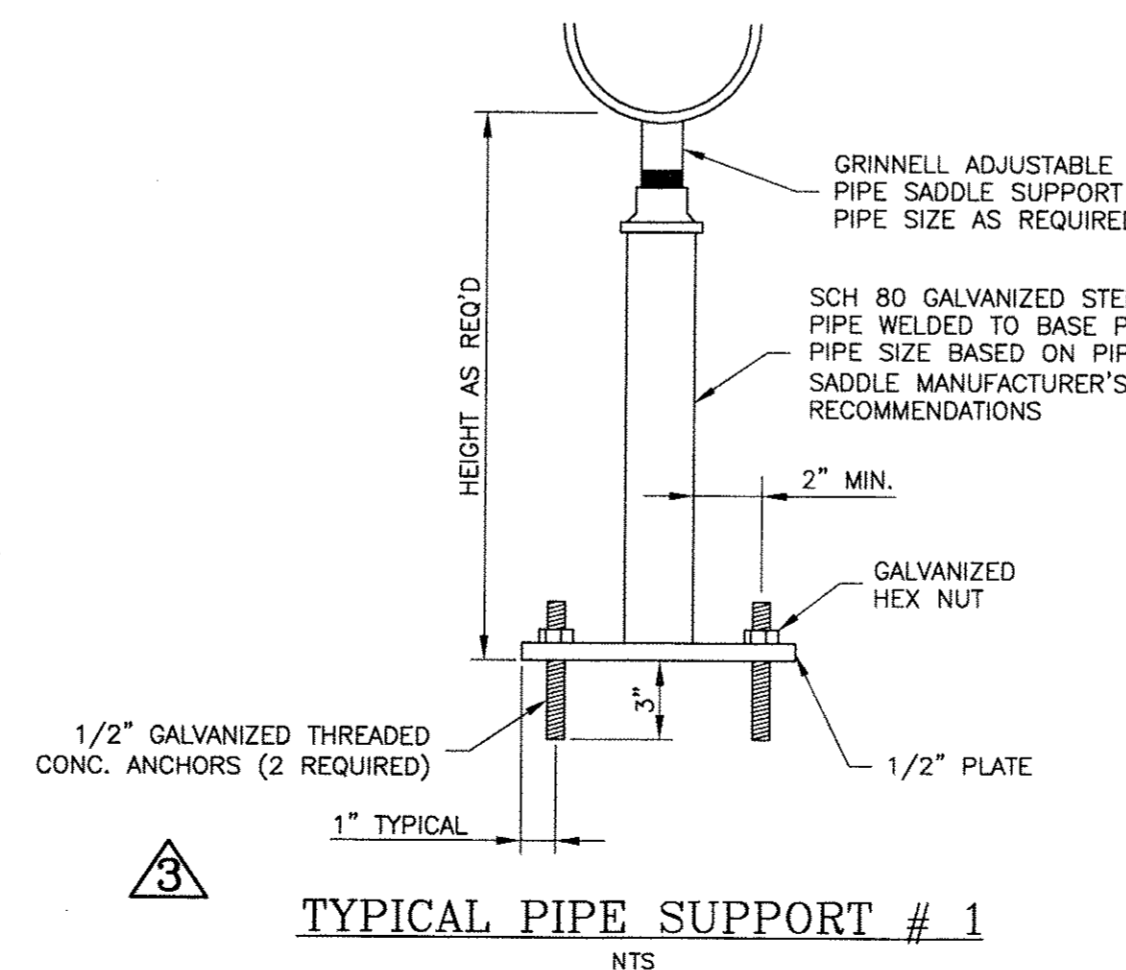
PROPOSED CONCRETE PUMP BASE #2
SCALE: 3/4" = 1'-0"

NOTE:
1. EXISTING CONCRETE PUMP BASES SHALL BE CLEANED AND PREPARED TO RECEIVE NEW CONCRETE.
2. EPOXY SHALL BE APPLIED TO ALL REBAR WHERE DOWELING INTO EXISTING CONCRETE.

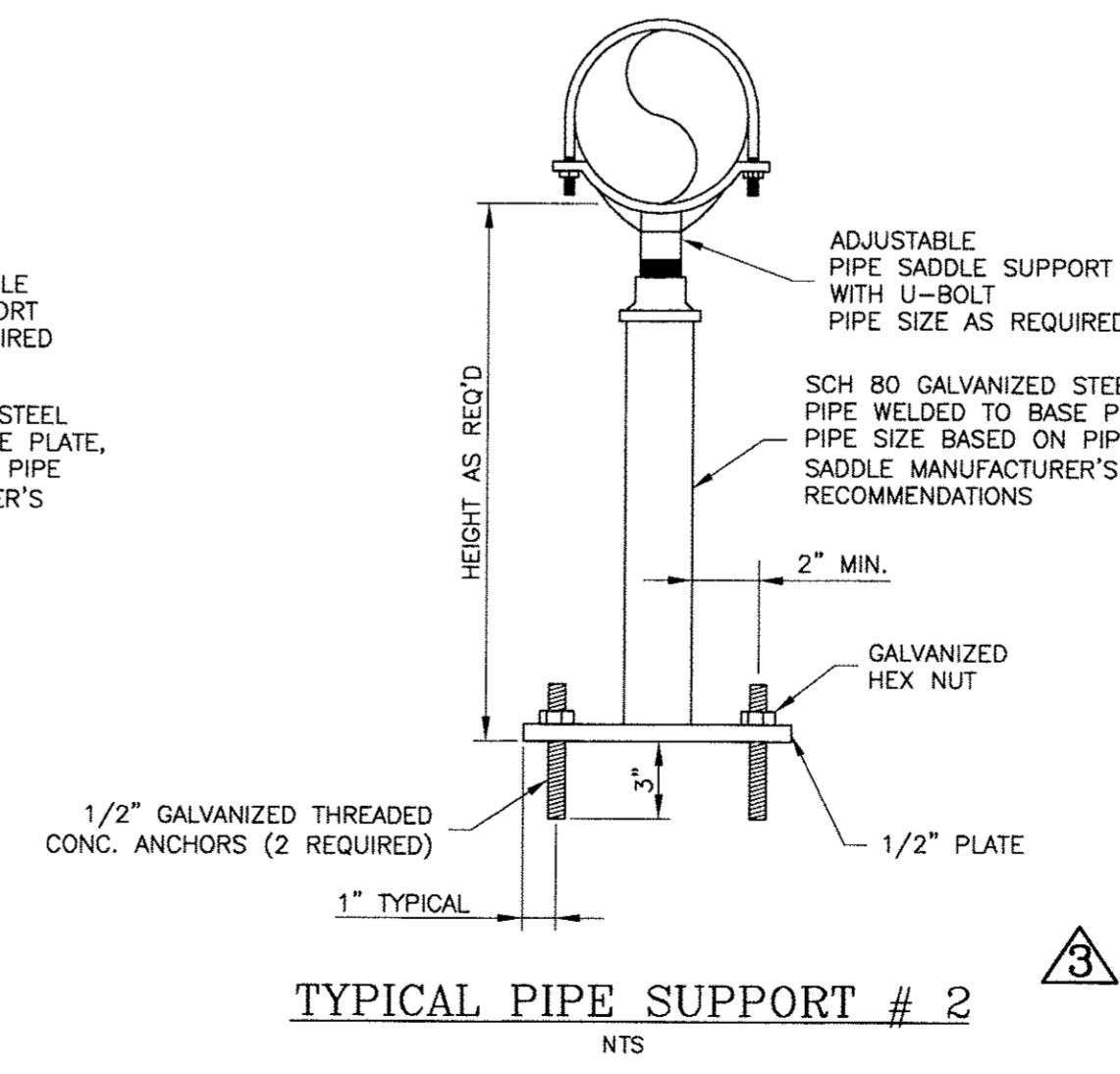
NOTE:
1. ALL EXISTING EXTERIOR PIPING IS INSULATED. ALL PROPOSED EXTERIOR PIPING SHALL BE INSULATED TO MATCH EXISTING INSULATION.
2. ALL PIPE SUPPORTS IN THE BUILDING SHALL BE REPLACED.
3. ALL PIPE SUPPORTS OUTSIDE OF THE BUILDING SHALL HAVE AN 18" PIECE OF STEEL WELDED TO THE ORIGINAL PIPE SUPPORT.



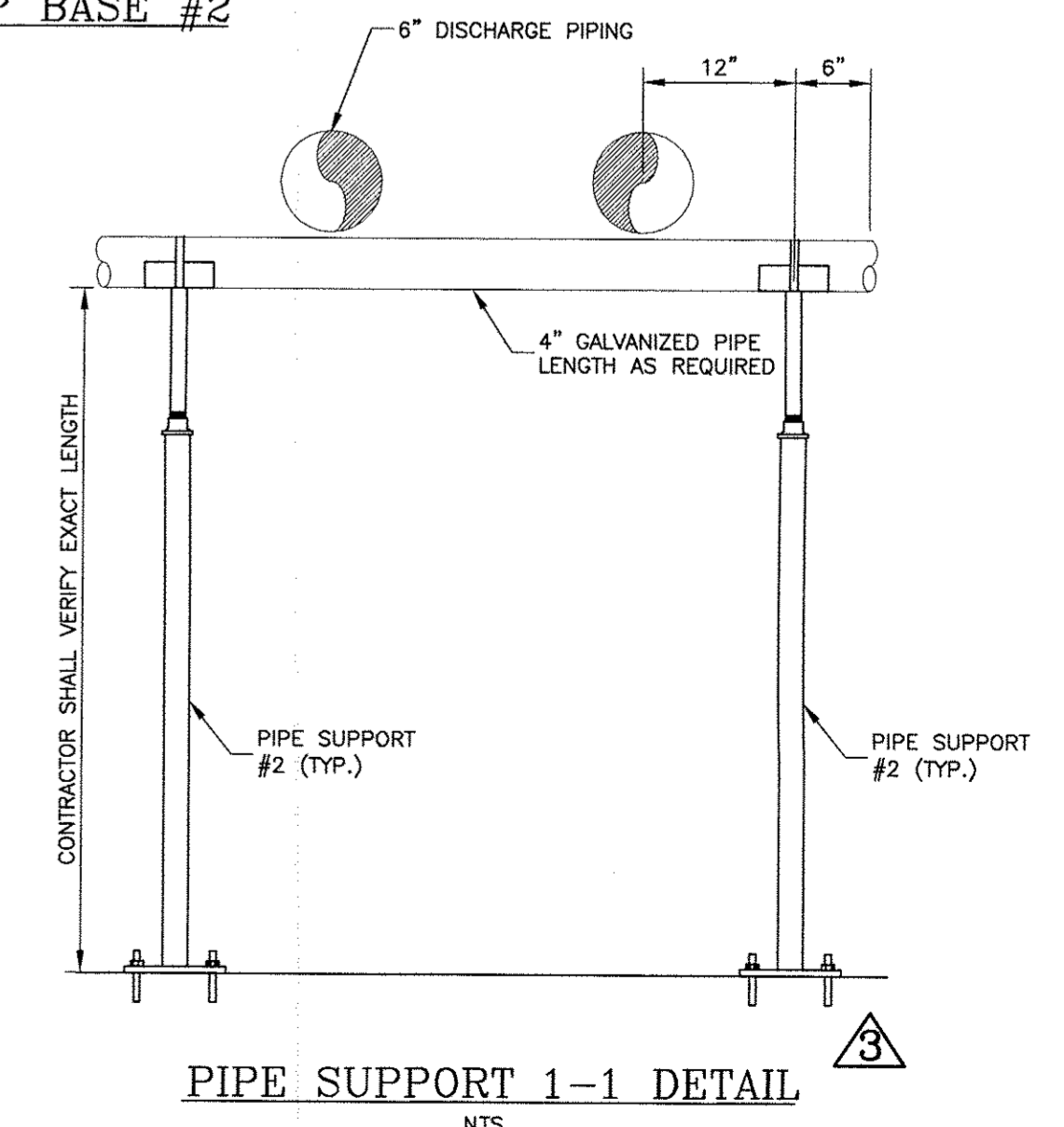
PROPOSED SECTION C-C
SCALE: 3/8" = 1'-0"



TYPICAL PIPE SUPPORT # 1
NTS

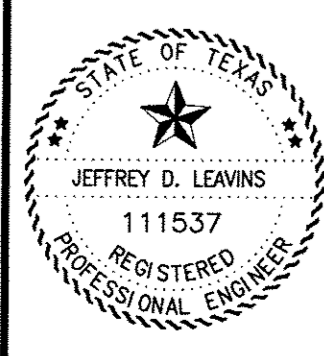


TYPICAL PIPE SUPPORT # 2
NTS



PIPE SUPPORT 1-1 DETAIL
NTS

Date : 9/2011
File Name : 6304
File Drawer No. : 6304



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JEFFREY D. LEAVINS, P.E. 111537, ON 11/11/12.

[Signature]

No.	Revisions	By	Checked	Date
1	ADDENDUM #3	LA	JL	1/13

Carroll & Blackman, Inc.

TEXAS REGISTERED ENGINEERING FIRM F-001054

Consulting Engineers & Surveyors
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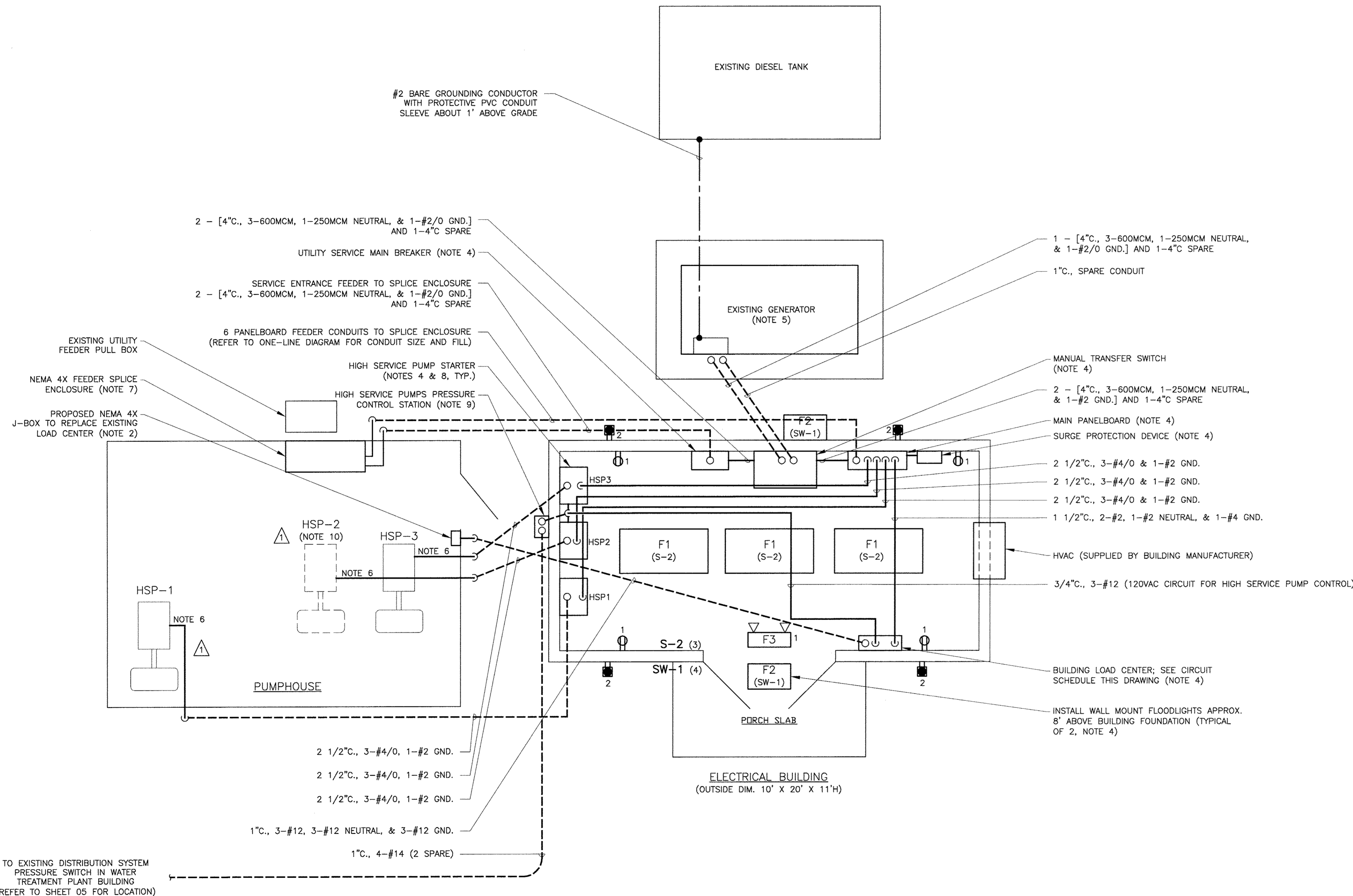
TEXAS GENERAL LAND OFFICE
HURRICANE IKE/DOLLY ROUND 1 CRITICAL INFRASTRUCTURE PROJECT
JEFFERSON COUNTY WATER AND SEWER SYSTEM IMPROVEMENTS
GRANTEE CONTRACT NO. DRS010219

JEFFERSON COUNTY WC&ID NO. 10
PUMP HOUSE PROPOSED PIPING AND PUMP BASE DETAILS

Action	Name	Date
Design	T.S.	4/11
Drawn	K.H.	4/11
Checked	T.S.	5/11
Approved	T.J.D.	5/11
Scale	AS SHOWN	
Sheet	7	Of 23

NOTES

- THIS PROJECT SHALL PROVIDE THE FEEDER BREAKER, STARTER, CONDUIT, AND STARTER INTERLOCK WIRING FOR THE FUTURE, OWNER PROVIDED HIGH SERVICE PUMP HSP-2.
- THREE CIRCUITS FROM THE ELECTRICAL BUILDING LOAD CENTER SHALL REPLACE THE EXISTING 3-CIRCUIT LOAD CENTER IN THE PUMPHOUSE. SPLICE NEW CIRCUITS AT A TERMINAL STRIP IN A NEMA 4X J-BOX REPLACING THE PUMPHOUSE LOAD CENTER.
- FOR THE HVAC EQUIPMENT SUPPLY BREAKER AND CIRCUIT AS REQUIRED BY THE ACTUAL EQUIPMENT SUPPLIED.
- REFER TO SPECIFICATION ITEM 1010 FOR EQUIPMENT DETAILS.
- CONTRACTOR TO DISCONNECT, RELOCATE, AND RECONNECT EXISTING ON-SITE 125KW GENERATOR AS DIRECTED BY THE OWNER. CONDUIT CONNECTIONS TO THE GENERATOR SHALL BE MADE WITH LIQUIDTIGHT FLEXIBLE METAL CONDUIT.
- AT HSP-1, HSP-2, AND HSP-3 REMOVE EXISTING CONDUIT AND STARTERS, ROUTE CONDUIT TO MOTOR, AND WIRE PER APPLICABLE SCHEMATIC DIAGRAM. MAKE FINAL CONNECTION AT MOTORS WITH LIQUIDTIGHT FLEXIBLE STEEL CONDUIT.
- REPLACE THE EXISTING MAIN PANELBOARD IN THE PUMPHOUSE WITH A JUNCTION BOX FOR CONNECTING FEEDERS FROM THE PROPOSED PANELBOARD TO THE EXISTING PANELBOARD FEEDERS. THE BOX SHALL BE NEMA 4X STAINLESS STEEL OR ALUMINUM. CONNECT FEEDERS AT POWER DISTRIBUTION BLOCKS, SQUARE D CLASS 9080 OR EQUAL. THE BOX SHALL BE FREE STANDING OR SURFACE MOUNTED TO A NEW RACK. DO NOT SUPPORT ENCLOSURE OR CONDUITS FROM EXISTING BUILDING FRAME AS IT IS SCHEDULED FOR FUTURE REPLACEMENT BY THE OWNER. INSTALL TERMINATION BLOCKS AS HIGH AS POSSIBLE TO HELP PREVENT THE SPLICES FROM FLOODING.
- CONDUITS FOR HSP STARTER CONTROLS AND INTERLOCKS ARE NOT SHOWN. REFER TO SCHEMATIC DIAGRAMS ON SHEET 15 FOR WIRING REQUIREMENTS.
- PROVIDE A NEMA 4X ALUMINUM J-BOX WITH HINGED DOOR (APPROX. DIM. 12"H X 10"W X 6"D). INSTALL AND WIRE DEVICES PER SCHEMATIC ON SHEET 15. TAG ALL CONDUCTORS AND PROVIDE NAMEPLATES FOR DOOR MOUNTED SWITCHES.
- EXISTING HSP-1 SHALL BE RELOCATED AND THE FUTURE OWNER-SUPPLIED HSP-2 SHALL BE INSTALLED IN ITS PLACE.



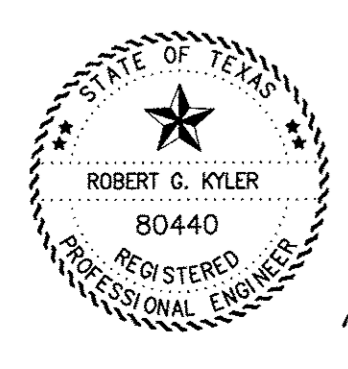
ELECTRICAL BUILDING LOAD CENTER SCHEDULE

FED FROM:	MAIN PANELBOARD	MAINS: 100A	MAIN BREAKER: NONE
SERVICE	BKR. DKT. NO.	SIZE	SERVICE
ELECTRICAL BUILDING INDOOR RECEPTACLES	20A	1	2 20A ELECTRICAL BUILDING OUTDOOR RECEPTACLES
ELECTRICAL BUILDING INDOOR LIGHTING	20A	3	4 20A ELECTRICAL BUILDING OUTDOOR LIGHTING
PUMPHOUSE CIRCUIT #1 (NOTE 2)	20A	5	6 20A PUMPHOUSE CIRCUIT #2 (NOTE 2)
PUMPHOUSE CIRCUIT #3 (NOTE 2)	20A	7	8 30A ELECTRICAL BUILDING HVAC (NOTE 3)
HIGH SERVICE PUMPS PRESSURE CONTROL	15A	9	10 20A SPARE
SPARE	20A	11	12 20A SPARE
SPACE		13	14 SPACE
SPACE		15	16 SPACE
SPACE		17	18 SPACE
SERVICE: 240/120 VAC, 1 PH, 3 WIRE	ENCLOSURE: NEMA 1		LOCATION: ELECTRICAL BUILDING

LEGEND

- CIRCUIT # (TYP.) 120V, 20A, DUPLEX RECEPTACLE
- 120V, 20A, GFCI, DUPLEX RECEPTACLE
- 120V, 20A, GFCI, IN-USE WEATHERPROOF, DUPLEX RECEPTACLE (SEE SPECIFICATION ITEM 1010)
- 120V, 20A, 3-WAY TOGGLE SWITCH
- 120V, 20A, WEATHERPROOF TOGGLE SWITCH (SEE SPECIFICATION ITEM 1010)
- 120V, 20A, SINGLE POLE TOGGLE SWITCH
- TELEPHONE JACK
- LIGHT FIXTURE (SEE SPECIFICATION ITEM 1010)
- ABOVE GROUND CONDUIT
- UNDERGROUND CONDUIT
- UNDERGROUND GROUNDING CONDUCTOR

Date : 11/2012
 File Name : GEN BUILDING
 File Drawer No. : 6304



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY ROBERT G. KYLER, P.E. 80440 ON 1-11, 2013
 Robert Kyle

No.	Revisions	By	Checked	Date
1	CHANGED LOCATION OF HSP-2	JK	JK	01/10/13

Carroll & Blackman, Inc.

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 JEFFERSON COUNTY WC&ID NO. 10
 ELECTRICAL BUILDING - ELECTRICAL PLAN

Action	Name	Date
Design	J.K.	6/11
Drawn	K.H.	5/11
Checked	J.K.	9/12
Approved	J.K.	11/12
Scale	3/8" = 1'-0"	
Sheet	12	Of 23