

**LENAWEE COUNTY DRAIN COMMISSION
ADRIAN, MI
SANITARY DRAIN LIFT STATION IMPROVEMENTS - REBID
CWSRF PROJECT NO. 5728-01**

**ADDENDUM NO. 1
September 24, 2021**

TO: Prospective Bidders

FROM: Arcadis of Michigan, LLC
One Seagate, Suite 700
Toledo, OH 43604

OWNER: Lenawee County Drain Commission
320 Springbrook Avenue, Suite 102
Adrian, Michigan 49221

SUBJECT: Rollin-Woodstock
Sanitary Drain Lift Station improvements - Rebid
CWSRF Project No. 5728-01

This Addendum is part of the Bidding Documents and the Contract Documents and modifies the original Bidding Documents dated September 2021, as indicated below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification for award of the associated Contract.

This Addendum consists of 2 pages and the attachments, if any, listed on page 2.

CHANGES TO BIDDING REQUIREMENTS

1. Page 00 11 13-2 - Delete this page in its entirety and substitute revised page 00 11 13-2 included with this Addendum No. 1.

CHANGES TO DRAWINGS

2. Drawing P-1, sheet 17 of 24, LIFT STATION DETAILS, DUPLEX STATIONS – Delete this sheet in its entirety and substitute revised Drawing P-1, Sheet 17 of 24 included with this Addendum No. 1.
3. Drawing P-2, sheet 18 of 24, STATION DETAILS, TRIPLEX STATIONS – Delete this sheet in its entirety and substitute revised Drawing P-2, Sheet 18 of 24 included with this Addendum No. 1.

4. Drawing P-3, sheet 19 of 24, STATION N, WET WELL DETAILS – Delete this sheet in its entirety and substitute revised Drawing P-3, Sheet 19 of 24 included with this Addendum No. 1.
5. Drawing P-4, sheet 20 of 24, STATION N, VALVE VAULT DETAILS – Delete this sheet in its entirety and substitute revised Drawing P-4, Sheet 20 of 24 included with this Addendum No. 1.
6. Drawing P-6, sheet 22 of 24, MISCELLANEOUS DETAILS – Delete this sheet in its entirety and substitute revised Drawing P-6, Sheet 22 of 24 included with this Addendum No. 1.

ATTACHMENTS

Changes to Bidding Requirements attachments hereto are as follows:

- Page 00 11 13-2

New Drawings attachments hereto are as follows:

- Drawing P-1, sheet 17 of 24, LIFT STATION DETAILS, DUPLEX STATIONS
- Drawing P-2, sheet 18 of 24, STATION DETAILS, TRIPLEX STATIONS
- Drawing P-3, sheet 19 of 24, STATION N, WET WELL DETAILS
- Drawing P-4, sheet 20 of 24, STATION N, VALVE VAULT DETAILS
- Drawing P-6, sheet 22 of 24, MISCELLANEOUS DETAILS

+ + END OF ADDENDUM NO. 1 + +

Bidding Documents and shipping is non-refundable. Upon Issuing Office's receipt of payment, printed Bidding Documents will be sent via the prospective Bidder's delivery method of choice; the shipping charge will depend on the shipping method chosen. The date that the Bidding Documents are transmitted by the Issuing Office will be considered the Bidder's date of receipt of the Bidding Documents. Partial sets of the Bidding Documents will not be available from the Issuing Office. Neither Owner nor Engineer will be responsible for full or partial sets of Bidding Documents, including Addenda, if any, obtained from sources other than the Issuing Office.

A list of Bidding Documents Holders will be available online via Newfax's website at:
http://www.newfaxcorp.com/bid-projects-and-listings/bidder_listing_main.html

A pre-bid conference will be held at 10:00 a.m. local time on September 28th, 2021. Due to ongoing COVID-19 restrictions, the pre-bid conference will be a live, virtual meeting using the Zoom platform [at the following link:](#)

<https://us02web.zoom.us/j/84253361963?pwd=OWFOQStaakZ2a3FyZ0dhMHUwajAxdz09>
~~— A meeting link will be provided to Bidding Documents Holders prior to the meeting.~~
Attendance at the pre-bid conference is highly encouraged but is not mandatory.

As the Covid-19 situation is continuously evolving, please check the Lenawee County Drain Commission website, <https://www.lenawee.mi.us/447/Drain-Commission>, at time of events for any additional safety precautions or restrictions that must be taken when visiting the Drain Commissioner's Office. State of Michigan rules will apply.

Each Bidder must be a Bidding Documents Holder as defined in Article 1 of the Instructions to Bidders.

Bid security shall be furnished in accordance with the Instructions to Bidders.

Bidders shall submit proof of qualifications to perform the Work as described in the Instructions to Bidders.

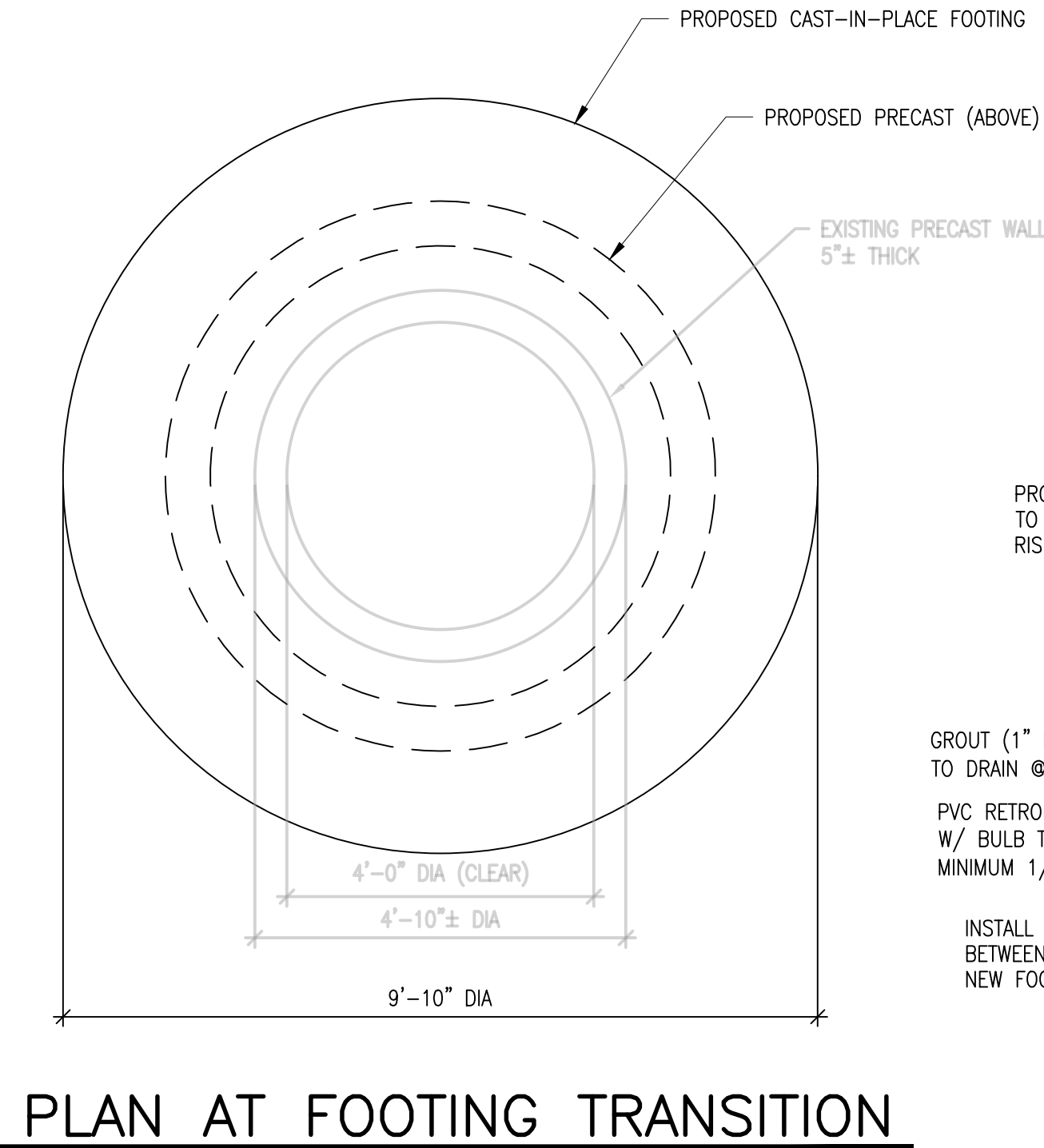
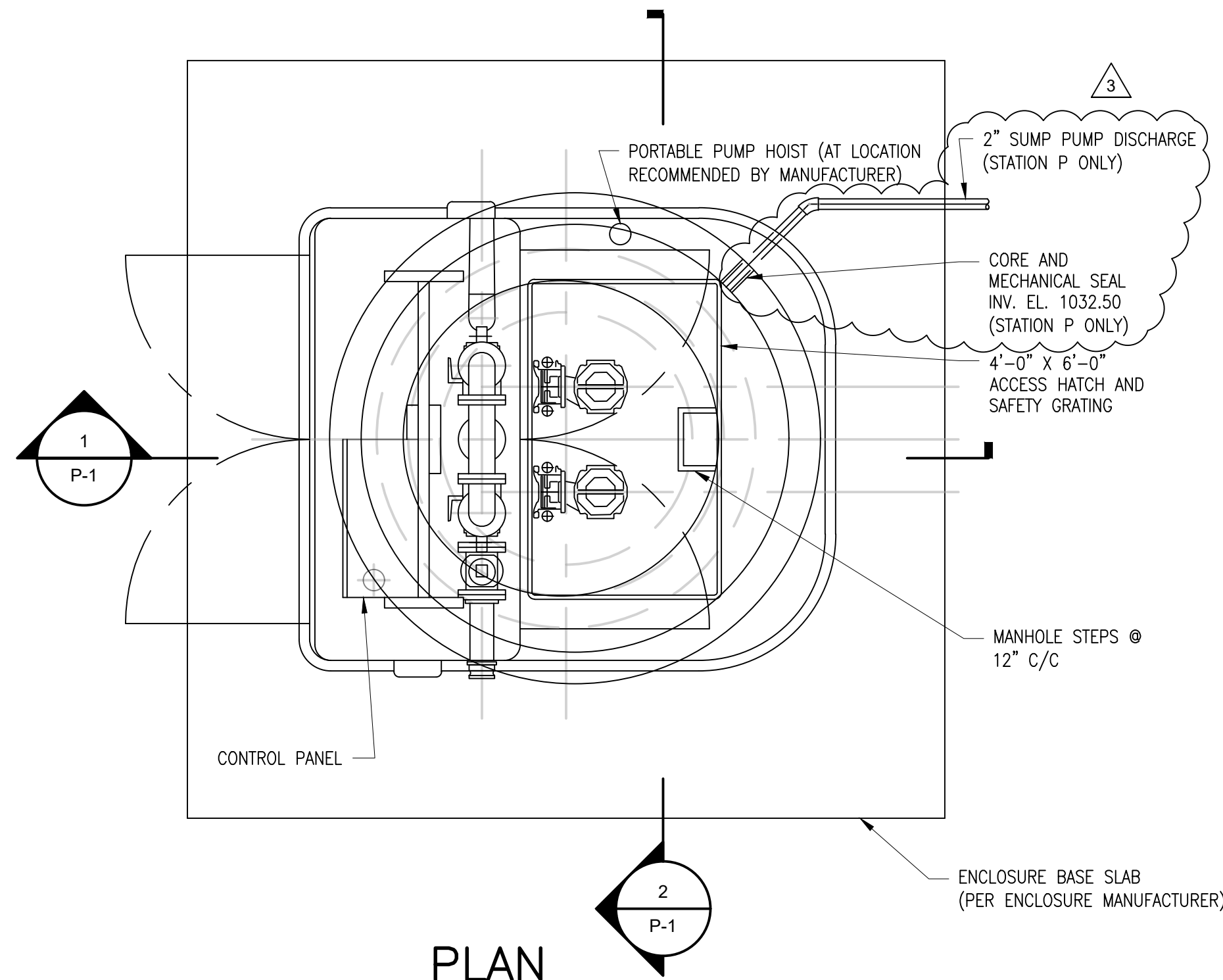
The Contract Times will commence running as indicated in the General Conditions. Contract Times for completion and provisions on liquidated and special damages, if any, are indicated in the Agreement.

Owner: Lenawee County Drain Commission
By: Jenny Escott
Title: Lenawee County Drain Commissioner
Date: September 9, 2021

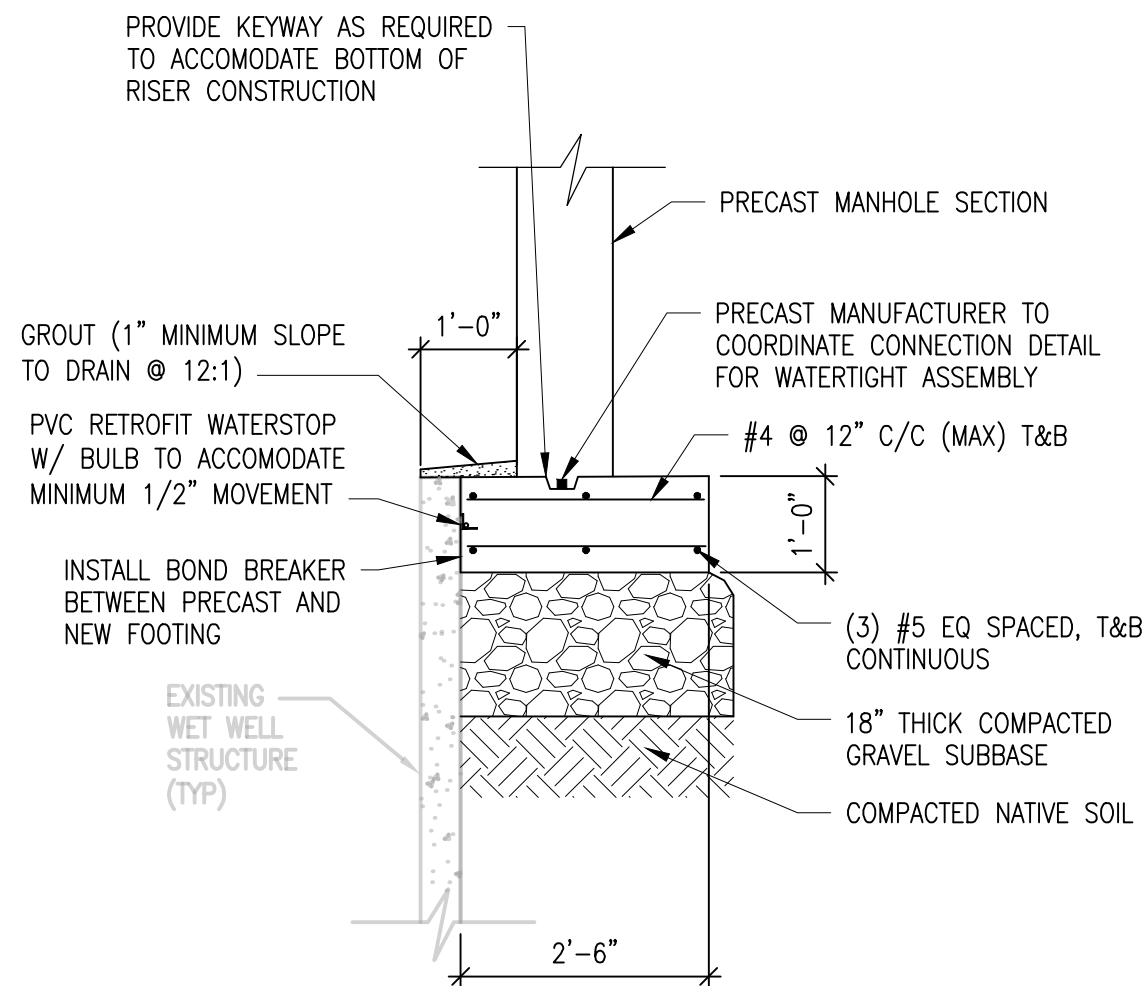
Engineer: Arcadis of Michigan, LLC
One Seagate, Suite 700
Toledo, OH 43604
Phone: 419 473 1121

+ + END OF ADVERTISEMENT FOR BIDS + +

User:SPITTMAN Spec:AUS-NC5MOD File:C:\USERS\SPITTMAN\ARCADIS\LOCOC ROLLINWOODSTOCK LIFT STA. MPR - GENERAL\DRAWING\GENERAL\17-LIFT STA-DUPLEX.DWG Scale:1:1 SavedDate:9/8/2021 Time:07:48 Plot Date: Pittman, Steve 9/23/2021 08:14 ; Layout:17



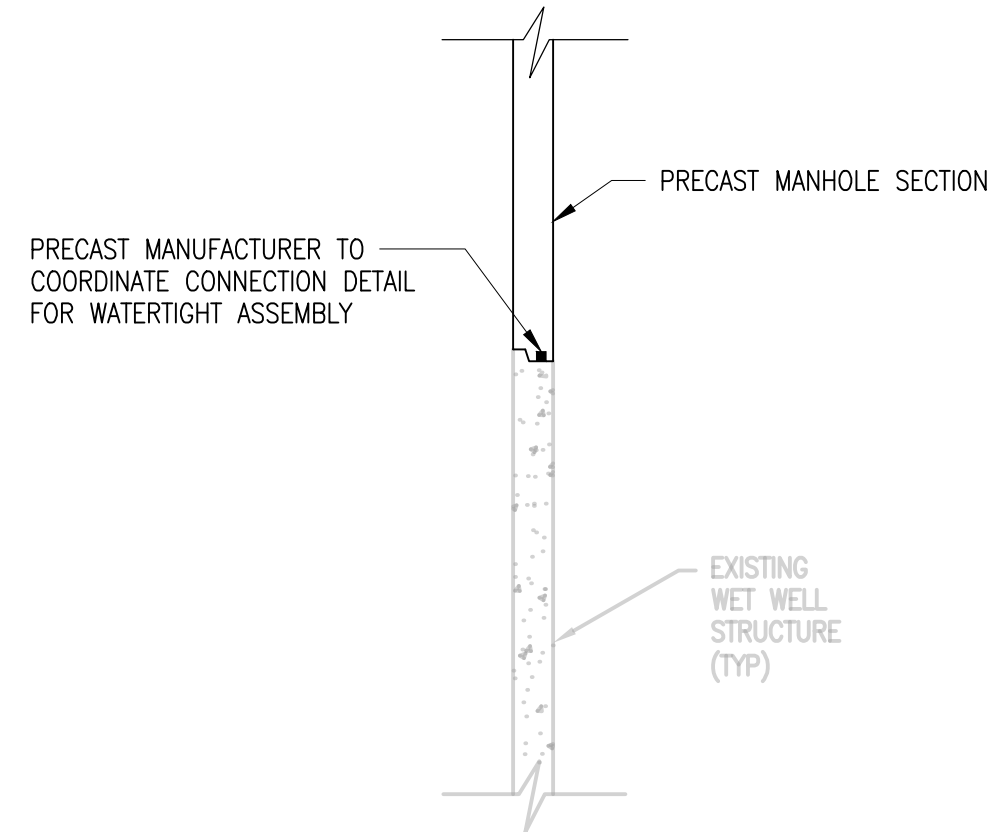
Lift Station	Elevations					Wet Well Dimensions		Pipe Sizes		Pumps			Valves	Bypass Suction Pipe Size
	A	B	C (1)	C (2)	D	E	F	G	H	No.	Flow	TDH	Size	I
A	1050.56	1031.26	1036.42	-	1045.06	4'-0"	6'-0"	4"	6"	2	200	42	4"	4"
B	1049.12	1020.82	1027.30	-	1043.62	4'-0"	6'-0"	4"	6"	2	320	54	4"	4"
C	1045.57	1024.36	1029.85	-	1040.07	6'-0"	6'-0"	6"	8"	2	500	30	4"	6"
D	1046.39	1025.89	1032.28	-	1040.89	6'-0"	6'-0"	6"	8"	2	700	18	6"	6"
F	1045.31	1028.11	1033.31	-	1039.81	4'-0"	6'-0"	4"	6"	2	215	14	4"	4"
G	1048.16	1018.56	1025.76	1025.96	1042.66	4'-0"	6'-0"	4"	8"	2	380	43	4"	4"
I	1046.71	1023.19	1029.64	-	1041.21	6'-0"	6'-0"	6"	8"	2	740	53	6"	6"
J	1053.51	1026.76	1033.23	-	1048.01	6'-0"	6'-0"	4"	8"	2	640	63	4"	6"
K	1047.39	1022.54	1028.56	-	1041.89	6'-0"	6'-0"	6"	8"	2	520	31	6"	6"
L	1051.64	1019.19	1026.34	-	1046.14	4'-0"	6'-0"	4"	8"	2	380	67	4"	4"
M	1044.97	1024.62	1029.69	-	1039.47	4'-0"	6'-0"	4"	6"	2	200	34	4"	4"
P	1040.60	1020.23	1027.41	1027.78	1035.1	6'-0"	6'-0"	6"	8"	2	700	50	6"	6"
Q	1022.02	1001.21	1007.04	-	1016.52	4'-0"	6'-0"	4"	6"	2	200	45	4"	4"
R	1018.05	999.00	1005.75	-	1012.55	4'-0"	6'-0"	4"	6"	2	310	63	4"	4"
S	1026.26	997.86	1003.13	-	1020.76	4'-0"	6'-0"	4"	6"	2	370	73	4"	4"



TRANSITION TYPE 1 CAST-IN-PLACE DETAIL

NOTE:

DETAIL TYPICAL FOR LIFT STATIONS
A, B, F, G, L, M, Q, R, & S.



TRANSITION TYPE 2 CAST-IN-PLACE DETAIL

NOTE:

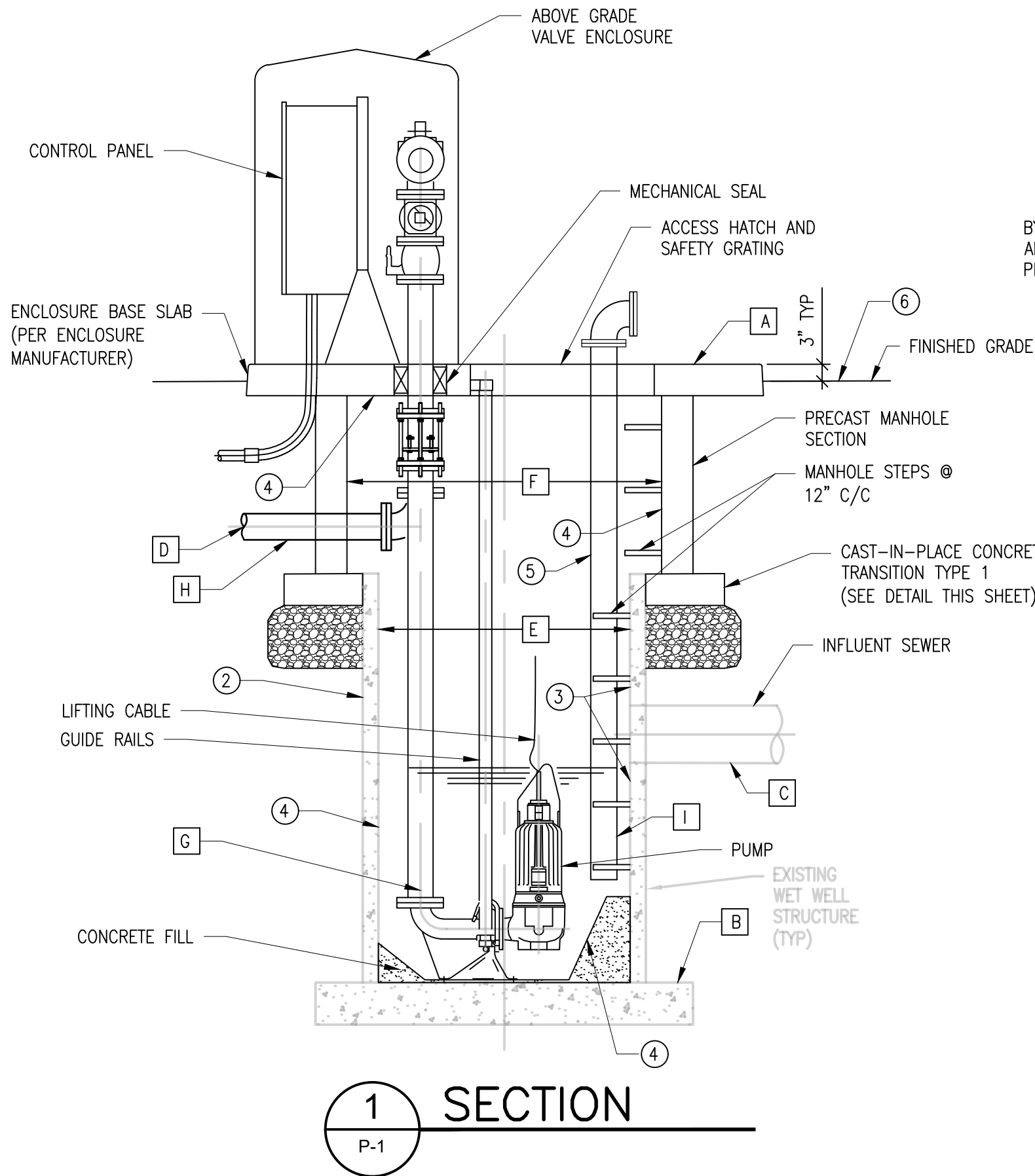
DETAIL TYPICAL FOR LIFT STATIONS
C, D, I, J, K, & P.

KEY NOTES

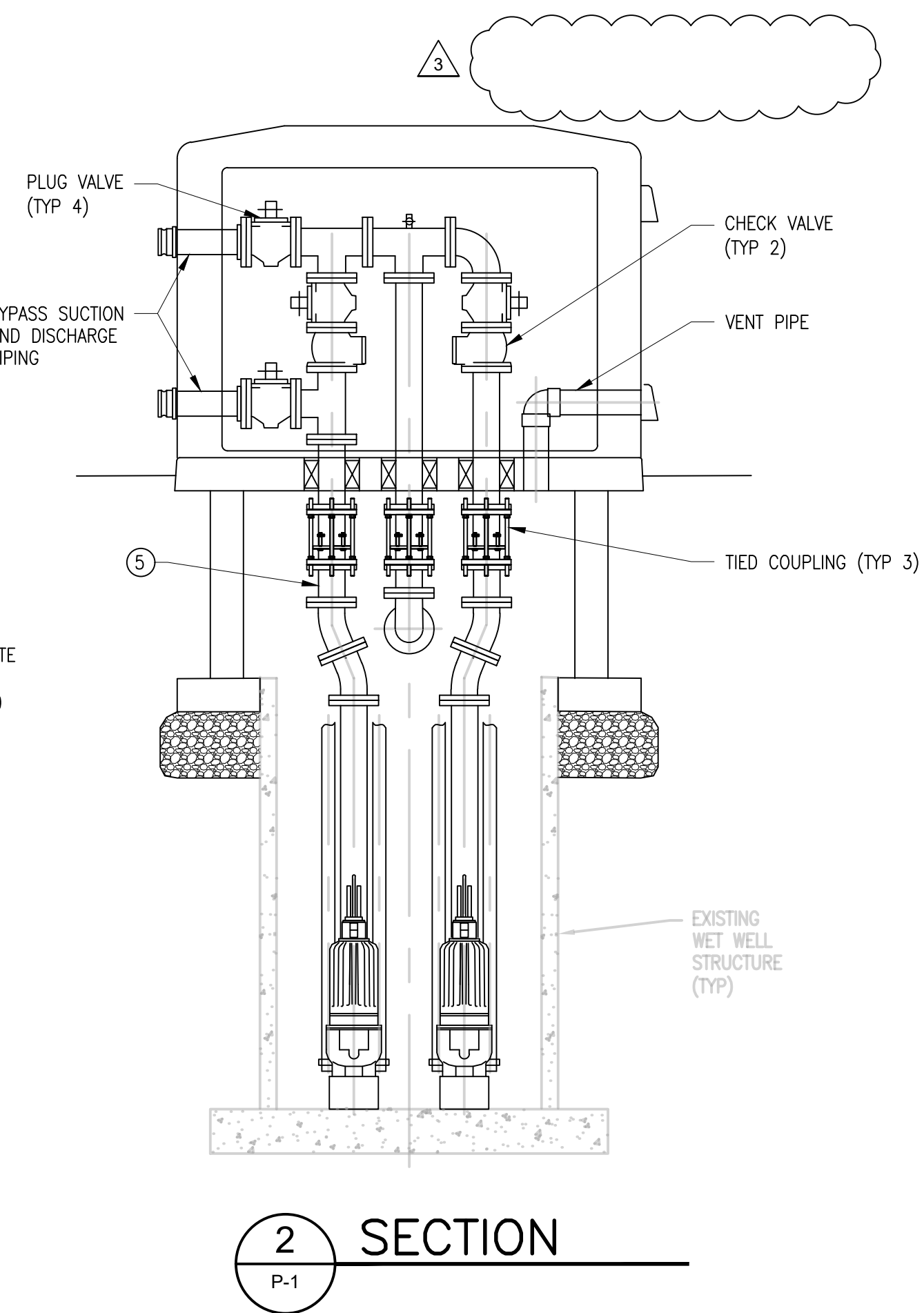
- WET WELL REHABILITATION WORK AS DIRECTED BY ENGINEER.
- CLEAN EXISTING WET WELLS IN ACCORDANCE WITH SECTION 33 01 30.42 - CLEANING OF WET WELLS.
- PERFORM CONCRETE REPAIRS TO EXISTING WET WELL IN ACCORDANCE WITH SECTION 33 01 30.81 - WET WELL REHABILITATION.
- PERFORM CRACK INJECTION GROUTING AT CRACKS AND LEAKS IN ACCORDANCE WITH SECTION 33 01 30.81 - WET WELL REHABILITATION.
- APPLY COATING SYSTEM TO EXISTING WET WELL AND NEW WET WELL SECTION AND BASE IN ACCORDANCE WITH SECTION 33 01 30.82 - EPOXY LINING OF CONCRETE WET WELLS.
- BYPASS PUMP SUCTION PIPING CONFIGURATION TO BE DETERMINED BY PUMP MANUFACTURER, EITHER THROUGH PUMP DISCHARGE LINE OR SEPARATE LINE.
- GRADE SHALL BE 6" BELOW WET WELL TOP SLAB FOR STATIONS I AND P.

GENERAL NOTES

- EXTENT OF CONCRETE FILL PER PUMP MANUFACTURER'S RECOMMENDATIONS.
- ABOVE GRADE VALVE ENCLOSURE LAYOUT MAY VARY DEPENDING ON MANUFACTURER.



1 SECTION



2 SECTION

LIFT STATION DETAILS

NOT TO SCALE

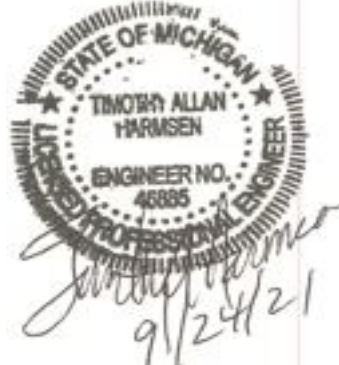
LEGAL ENTITY: ARCADIS OF MICHIGAN, LLC.



CONSULTANTS



SEALS



LENAWEE COUNTY
DRAIN COMMISSION

ROLLIN-WOODSTOCK
SANITARY DRAIN LIFT STATION
IMPROVEMENTS

ARCADIS PROJ. NO. 30027906

NO.	DATE	ISSUED FOR	BY
3	9/24/21	ADDENDUM NO. 1	TAH
2	9/9/21	ISSUED FOR BID	TAH
1	8/18/21	EGL SUBMITTAL	TAH

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2021

DATE: SEPTEMBER 2021
PROJECT NO.: 30027906
FILE NAME: 17-LIFT STA-DUPLEX
DESIGNED BY: K. CELIAN
DRAWN BY: S. PITTMAN
CHECKED BY: T. HARMSEN

SHEET TITLE

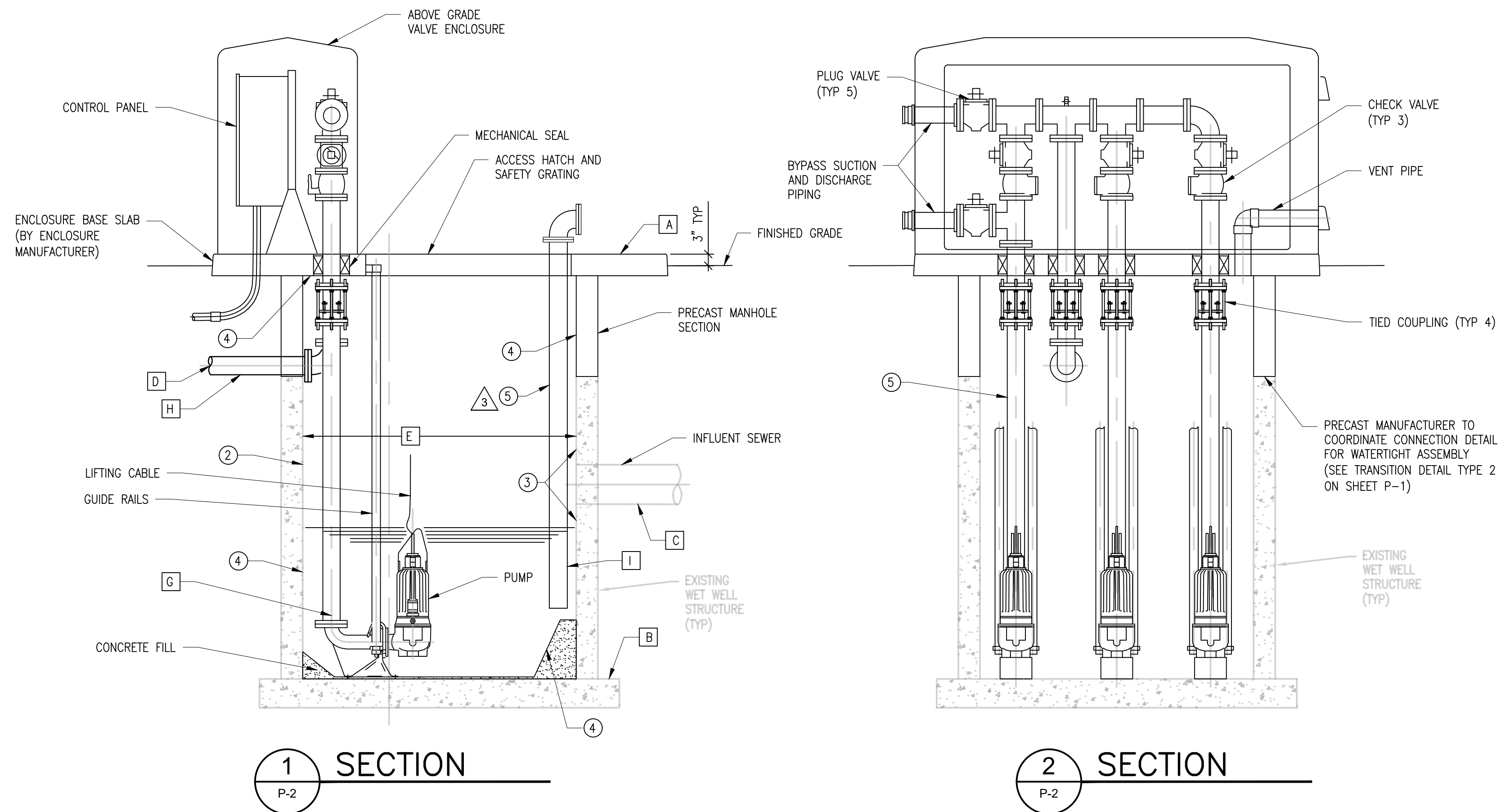
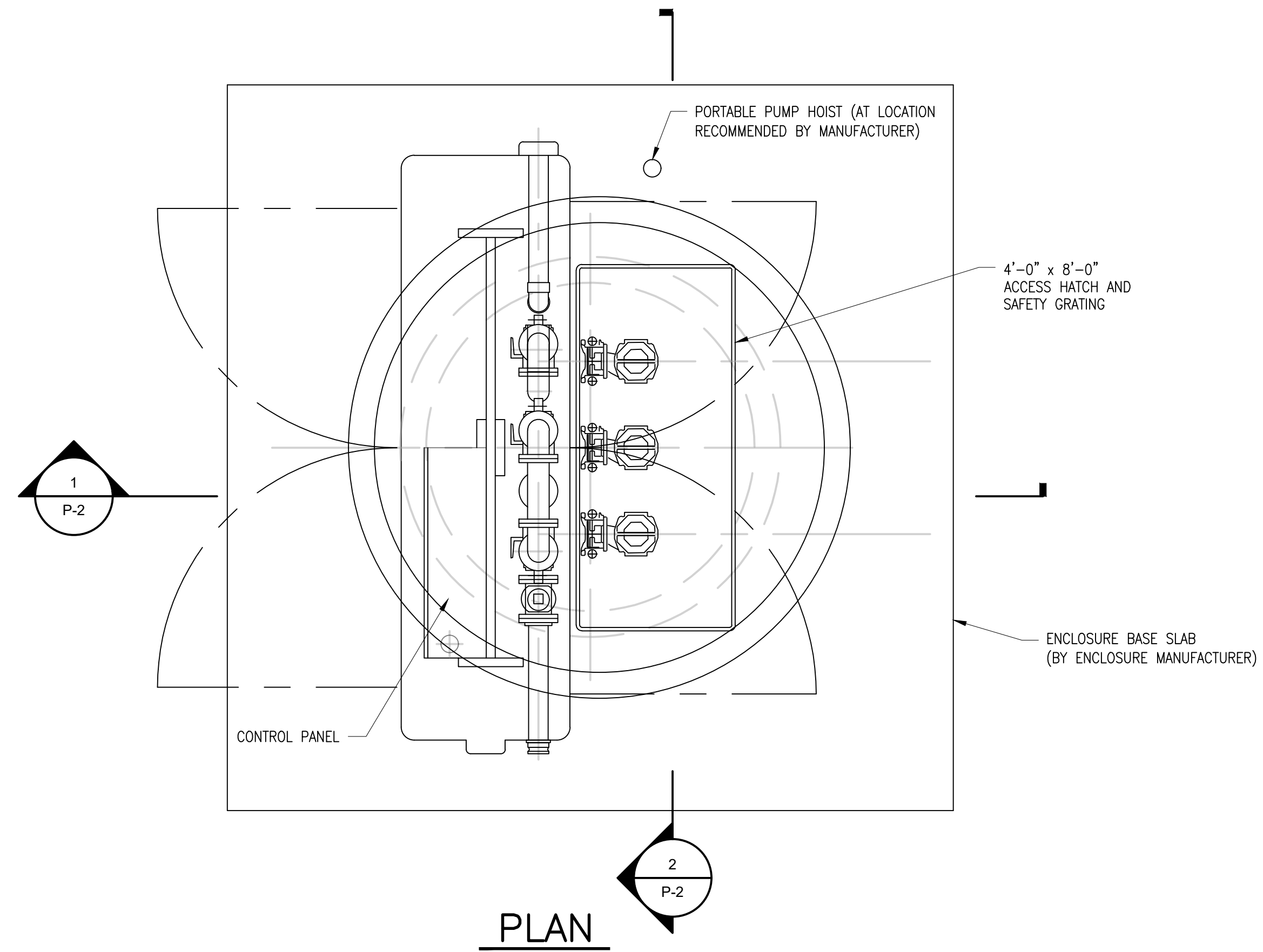
CIVIL

LIFT STATION DETAILS
DUPLEX STATIONS

SCALE: NOT TO SCALE

P-1

SHEET 17 OF 24



	Elevations					Wet Well Dimensions		Pipe Sizes			Pumps			Valves	Bypass Suction Pipe Size
Lift Station	A	B	C (1)	C (2)	D	E	G	H	No.	Flow	TDH	Size	I		
E	1052.07	1019.67	1031.93	-	1046.57	8'-0"	6"	10"	3	600	28	6"	6"		
H	1049.01	1018.21	1041.51	1026.76	1043.51	8'-0"	6"	12"	3	850	54	6"	6"		

LIFT STATION DETAILS

NOT TO SCALE

KEY NOTES

WET WELL REHABILITATION WORK AS DIRECTED BY ENGINEER.

- ① CLEAN EXISTING WET WELLS IN ACCORDANCE WITH SECTION 33 01 30.42 – CLEANING OF WET WELLS.
- ② PERFORM CONCRETE REPAIRS TO EXISTING WET WELL IN ACCORDANCE WITH SECTION 33 01 30.81 – WET WELL REHABILITATION.
- ③ PERFORM CRACK INJECTION GROUTING AT CRACKS AND LEAKS IN ACCORDANCE WITH SECTION 33 01 30.81 – WET WELL REHABILITATION.
- ④ APPLY COATING SYSTEM TO EXISTING WET WELL AND NEW WET WELL SECTION AND BASE IN ACCORDANCE WITH SECTION 33 01 30.82 – EPOXY LINING OF CONCRETE WET WELLS.
- ⑤ BYPASS PUMP SUCTION PIPING CONFIGURATION TO BE DETERMINED BY PUMP MANUFACTURER, EITHER THROUGH PUMP DISCHARGE LINE OR SEPARATE LINE.

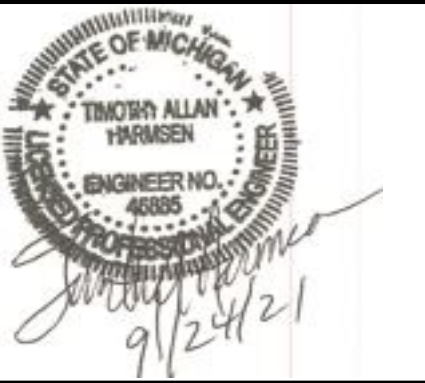
GENERAL NOTES

1. EXTENT OF CONCRETE FILL PER PUMP MANUFACTURER'S RECOMMENDATIONS.
2. ABOVE GRADE VALVE ENCLOSURE LAYOUT MAY VARY DEPENDING ON MANUFACTURER.
3. STATION H IS TO HAVE A WALK-IN ENCLOSURE COMPRISED OF SAME MATERIAL SPECIFIED IN SECTION 33 32 00 - PACKAGED SANITARY DRAIN LIFT STATIONS. MAXIMUM SIZE 130 SQUARE FEET.



CONSULTANTS

SEALS



LENAWEE COUNTY
DRAIN COMMISSION

ROLLIN-WOODSTOCK SANITARY DRAIN LIFT STATION IMPROVEMENTS

ARCADIS PROJ. NO. 30027906

3	9/24/21	ADDENDUM NO. 1	TAH
2	9/9/21	ISSUED FOR BID	TAH
1	8/18/21	EGLE SUBMITTAL	TAH
NO.	DATE	ISSUED FOR	BY

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2021

DATE: SEPTEMBER 2021

PROJECT NO.: 30027906

FILE NAME: 18-LIFT STA-TRIPLEX

DESIGNED BY: K. CELIAN

DRAWN BY: S. PITTMAN

CHECKED BY: T. HARMSSEN

SHEET TITLE

CIVIL

CML

LIFT STATION DETAILS

TRIPLEX STATIONS

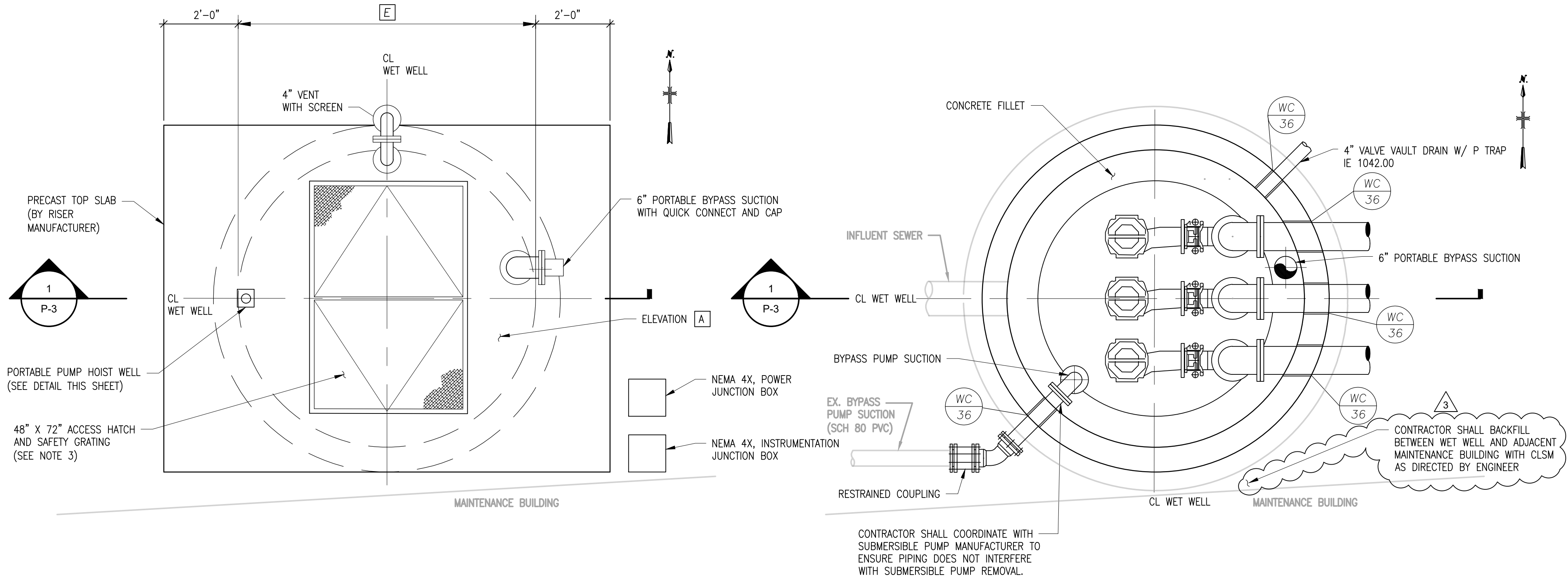
SCALE: NOT TO SCALE

P-2

SHEET 18 OF 24

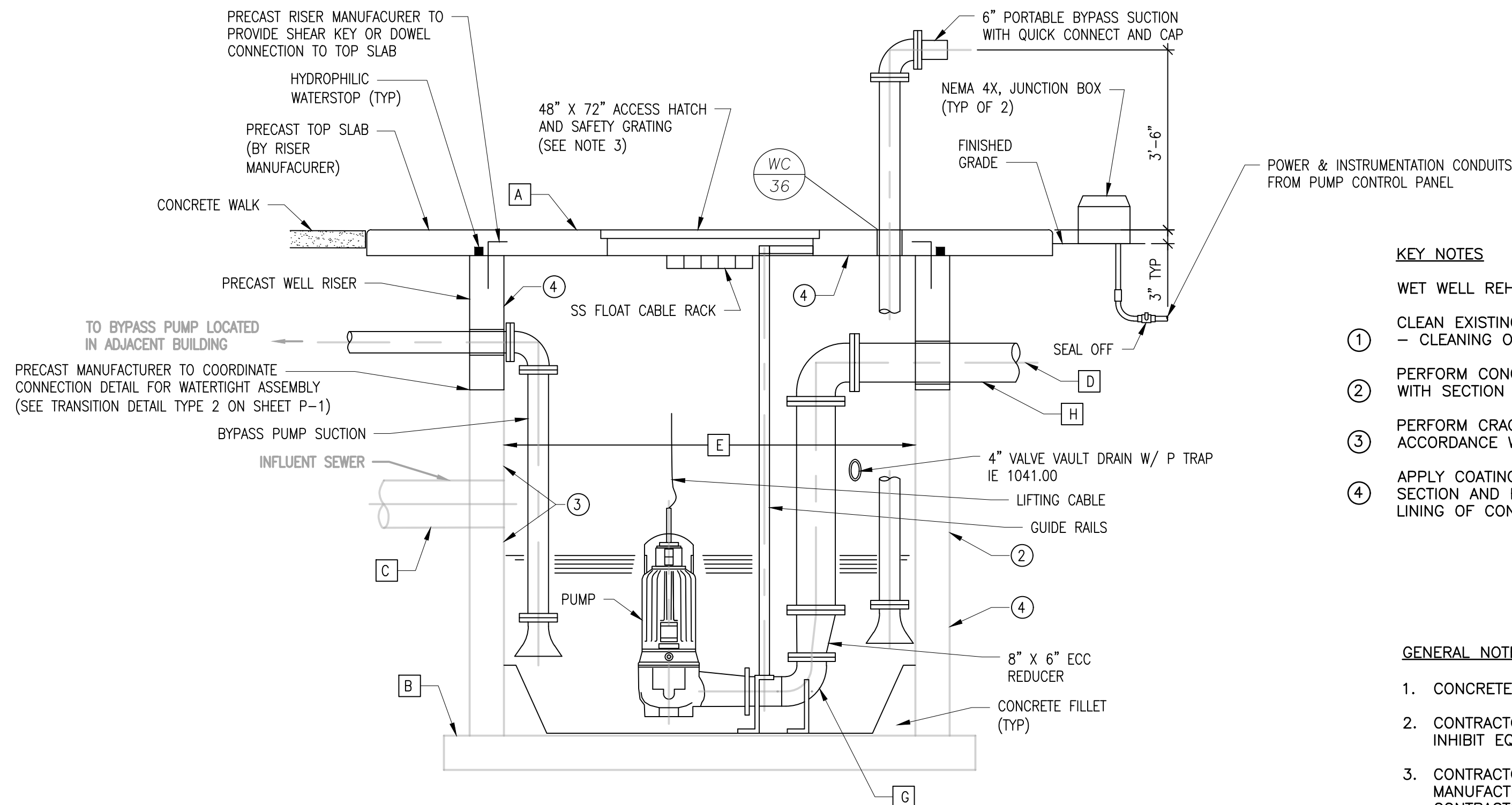
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Lift Station	Elevations					Wet Well Dimensions			Pumps		
	A	B	C (1)	C (2)	D	E	G	H	No.	Flow	TDH
N	1050.37	1024.87	1036.38	-	1044.87	8'-0"	6"	8"	3	1800	77



PLAN

SECTIONAL PLAN



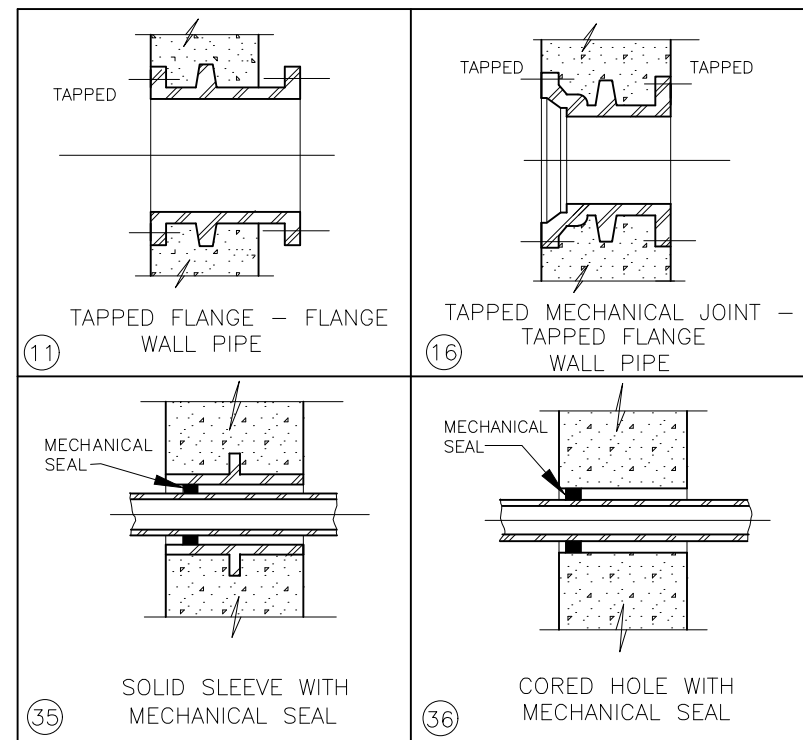
1 SECTION

KEY NOTES

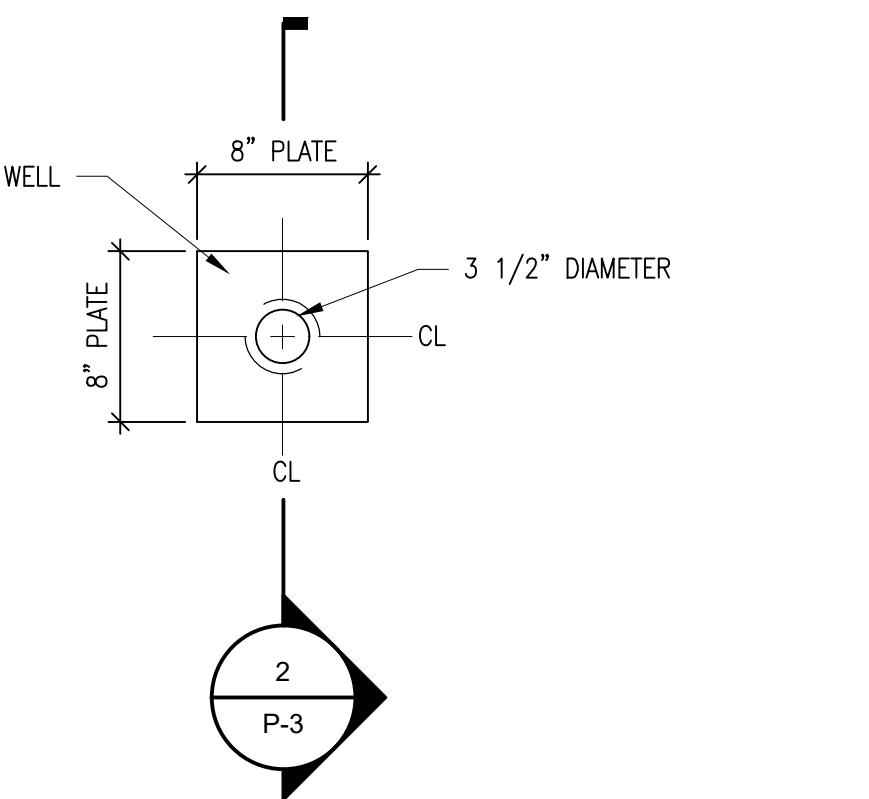
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 - APPLY COATING SYSTEM TO EXISTING WET WELL AND NEW WET WELL SECTION AND BASE IN ACCORDANCE WITH SECTION 33 01 30.82 - EPOXY LINING OF CONCRETE WET WELLS.

GENERAL NOTES

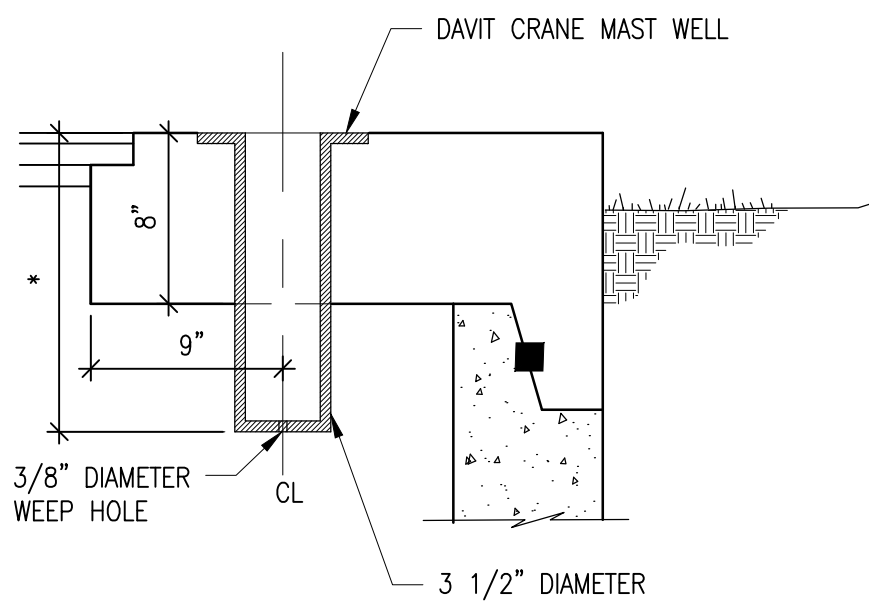
- CONCRETE FILLET PER PUMP MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR TO ADJUST BYPASS PUMP SUCTION ACCORDINGLY TO NOT INHIBIT EQUIPMENT BEING PULLED FROM ACCESS HATCH.
- CONTRACTOR TO COORDINATE ACCESS HATCH SIZE AND LOCATION WITH MANUFACTURER TO VERIFY REMOVAL OF PUMPS THROUGH HATCH. CONTRACTOR TO MAKE ADJUSTMENTS NECESSARY. MINIMUM HATCH SIZE IS SHOWN.
- FLOOR DOOR AND TOP SLAB TO BE DESIGNED FOR 300 PSF LIVE LOAD.



WALL CASTINGS



PLAN



* PER CRANE MANUFACTURER'S SPECIFICATIONS

2 SECTION

PORTABLE PUMP HOIST WELL DETAIL

NO SCALE

STATION N WET WELL DETAILS

1/2" = 1'-0"

LEGAL ENTITY: ARCADIS OF MICHIGAN, LLC.



CONSULTANTS



SEALS



LENAWEE COUNTY
DRAIN COMMISSION

ROLLIN-WOODSTOCK
SANITARY DRAIN LIFT STATION
IMPROVEMENTS

ARCADIS PROJ. NO. 30027906

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2021

DATE: SEPTEMBER 2021
PROJECT NO.: 30027906
FILE NAME: 19-STA N WET WELL
DESIGNED BY: K. CELIAN
DRAWN BY: S. PITTMAN
CHECKED BY: T. HARMSEN

SHEET TITLE

CIVIL

STATION N
WET WELL DETAILS

SCALE:

P-3

SHEET 19 OF 24

