



Public Works Department

390 Towne Centre Dr. – Lathrop, CA 95330

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ADDENDUM NO. 4 – July 20, 2026

**Mossdale Wastewater Pump Station Access Modifications and Upgrades
CIP WW 26-09**

This addendum amends the Contract Drawings and Specifications for this project as follows:

1. See Attachment A, City and Engineer responses to RFIs.

When submitting the bid for the project, the Contractor must acknowledge receipt of the addendum.

Recommended by:

Steve Hollenbeak

Steven Hollenbeak
Assistant Engineer

7.20.26

Date

Approved by:

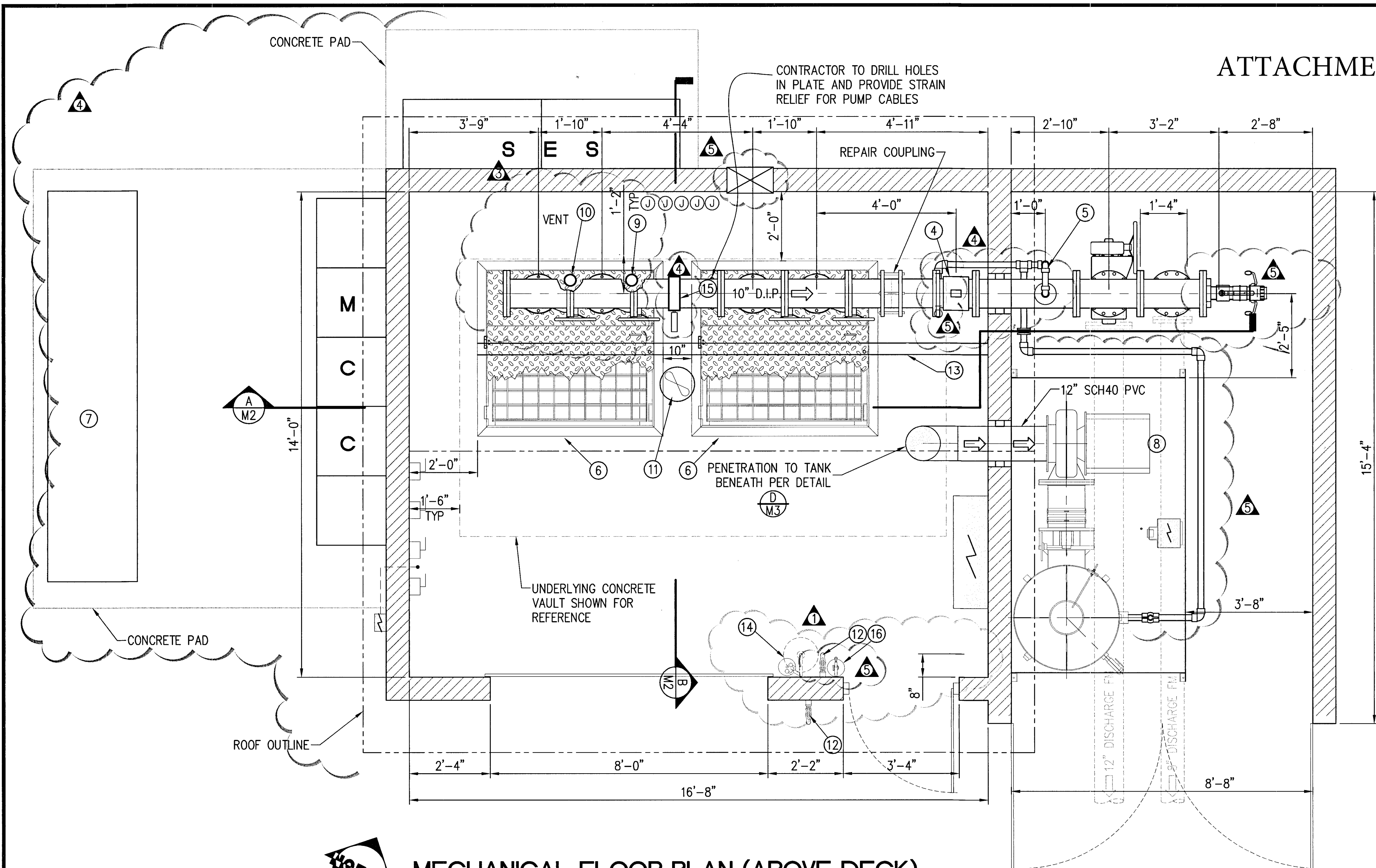
Brad Taylor

Brad Taylor, PE
Public Works Director / City Engineer

7/20/2026

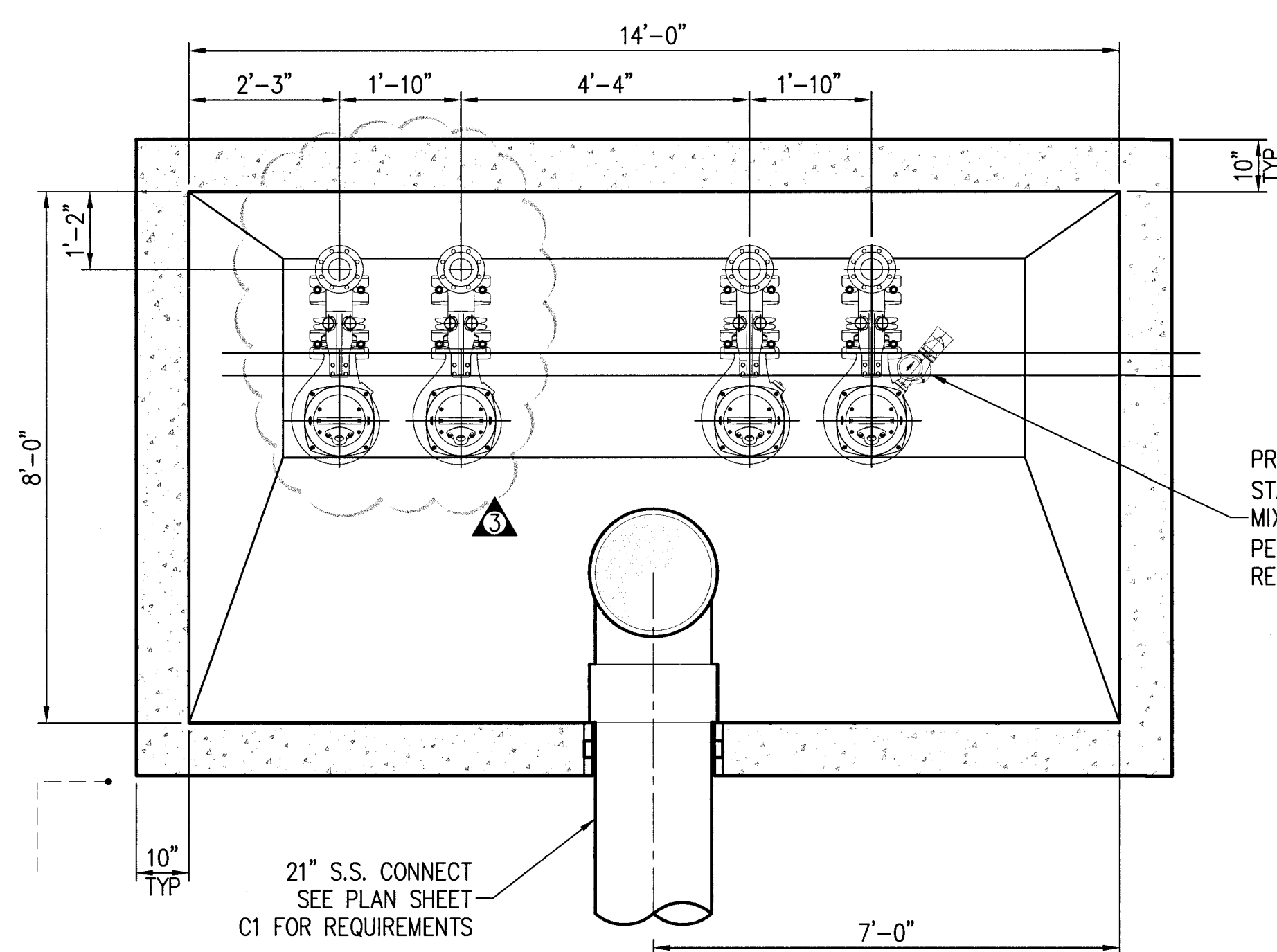
Date

Xrefs: 7774-MECH.dwg; 7774-20-Isk.dwg
Dimstyle = 24; Lstyle = 0.5; Pstyle = 1; Acad Ver. = 16.0a (LMS Tech); Version = 1



MECHANICAL FLOOR PLAN (ABOVE DECK)

1/2"=1'-0"

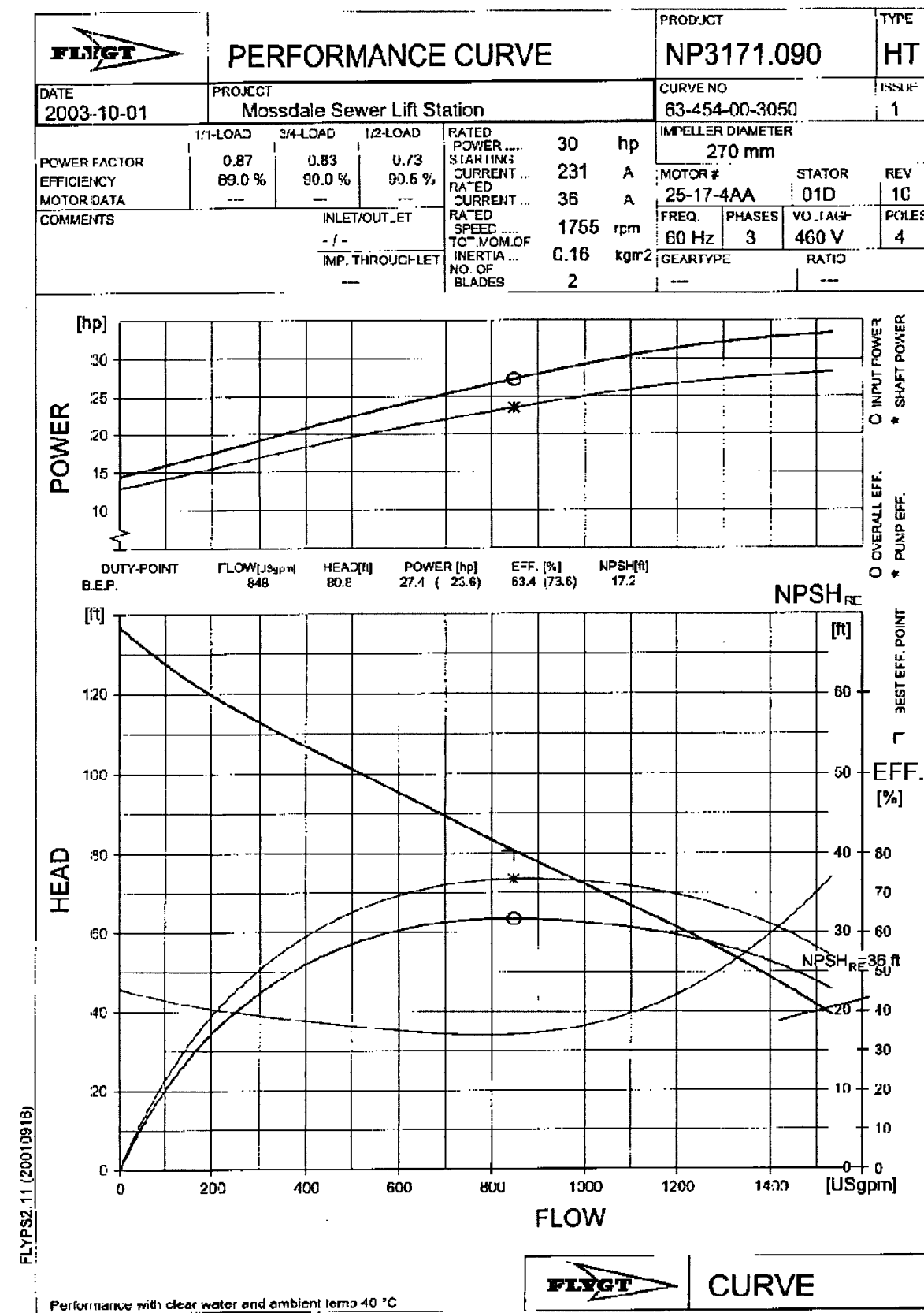
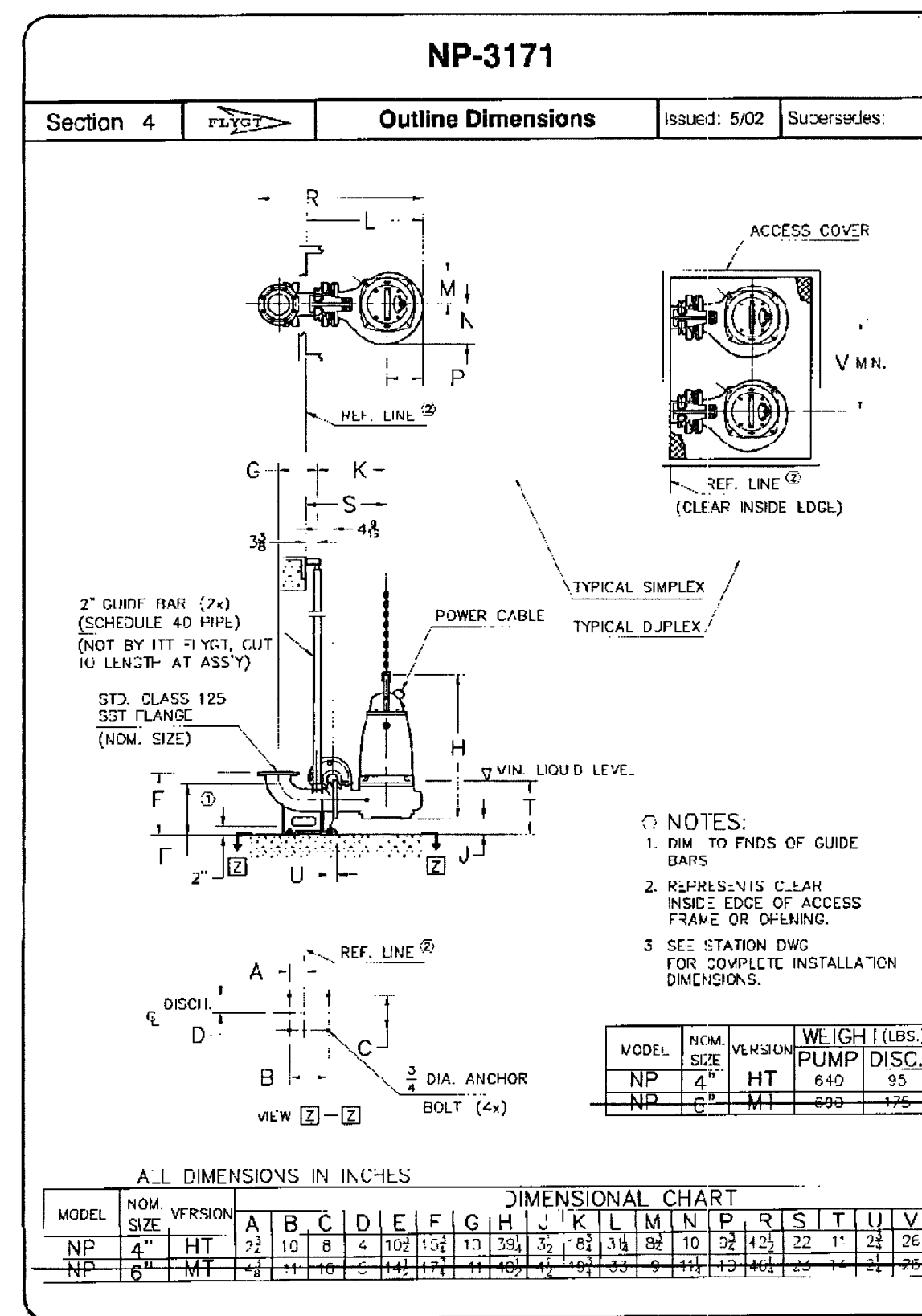


MECHANICAL PLAN (BELOW DECK)

1/2"=1'-0"

ATTACHMENT A

MECHANICAL EQUIPMENT LIST		
ITEM	DESCRIPTION	QTY
1	SUBMERSIBLE PUMP PER FLYGT MODEL #NP3171.090/454 HT - 4"Ø 90° SWEEP DISCHARGE (1130 GPM @ 66' TDH, 30 HP, 480 VAC, 3Ø, 60 HZ)	4
2	8" Ø BALL CHECK VALVE W/CLEAN OUT PORT PER FLYGT PROVIDED BY FLYGT	4
3	8" Ø CAM-CENTRIC PLUG VALVE PER MILLCENTRIC WITH HAND WHEEL WORM GEAR ACTUATOR OR ANSI 105 FLANGED, EPOXY SEAT, NITRILE TRIM	4
4	10" Ø ELECTROMAGNETIC FLOW DETECTOR PER TOSHIBA #LF434MACBCAB (COMBINED SENSOR AND TRANSMITTER - SEE ELECT. PLANS FOR TRANSMITTER)	1
5	2" Ø SEWAGE COMBINATION AIR/VACUUM RELIEF VALVE PER VAL-MATIC #VM-801ABW W/ BRONZE/CORP STOP, PER DETAIL	1
6	48"x36" CLEAR OPENING ALUMINUM ACCESS HATCH PER FLYGT "SAFETY HATCH" H-20 RATED (SYRACUSE CASTINGS DWG. FLE-HD-SHMOD 9-29-03C)	2
7	80KW EMERGENCY GENERATOR PER KOHLER #80RE02JB WITH SOUND ATTENUATING OUTDOOR ENCLOSURE 60dBA & DOUBLE-WALL-SUB-BASE FUEL TANK 85 GAL	1
8	ODOR CONTROL SCRUBBER PER CARBON HIGH FLOW VENTSORB #HF-600 (600 CFM) W/ASSOCIATED 7.5 HP FAN (480 VAC, 3Ø, 60 HZ)	1
9	ALARM LEVEL SWITCH PER WARRICK MODEL WK2 KIT; READY TO PLC CONTROLLER	1
10	LEVEL TRANSDUCER PROBE PER KPSI #730 (0-15 PSI) PER DETAIL	2
11	AUXILIARY ROOF EXHAUST FAN PER DAYTON #5C530 - CORROSION RESISTANT (1000 CFM @ 5" W.C., 120 VAC, 1Ø, 60 HZ)	1
12	3/4" POTABLE WATER HOSE BIB CONNECT TO WATER SERVICE RPV (SEE C1 DWG.)	2
13	8 x 15 I-BEAM WITH 1/2 TON ELECTRIC HOIST & TROLLEY PER THERN SERIES 4W (2000 LB CAPACITY) 120VAC W/S.S. CABLE ATTACHED	1
14	EYE STATION W/ SHOWER	1
15	PRESSURE TRANSDUCER PER DRUCK, 0-100 PSI, W/2.5" DIA LIQUID FILLED PRESSURE GAUGE 0-30 PSI	1
16	FIRE EXTINGUISHER, ABC CLASS DATED RECEIPT ATTACHED	1



RECORD DRAWINGS

CITY COMMENTS	5/04 AK	PHASE II COMMENTS	5/04 AK	AS BUILTS	12/04	REVISIONS	DATE	DATE APP.
SL	5/04	SL	5/04	ATK	12/04	NO	BY	DATE
CITY OF LATHROP DEPARTMENT OF PUBLIC WORKS				APPROVED: <i>[Signature]</i> CITY ENGINEER				DATE: <i>[Signature]</i> RCE NO: <i>[Signature]</i> EXP DATE: <i>[Signature]</i>
SCALE AS SHOWN				DESIGNED A.T.K.				DRAWN T.A.G./P.B.
CHECKED J.A.M.				DATE MAY 2004				JOB NO. 7774E
MOSSDALE LANDING SEWER LIFT STATION PHASE II				PLAN VIEW ABOVE & BELOW DECK				FIGURE M1
PACIFIC ADVANCED CIVIL ENGINEERING 17520 NEWHOPE STREET, SUITE 200 FOUNTAIN VALLEY, CA 92708 PH (714) 481-7500 FAX (714) 481-7299				P:\7774E\Engineering\7774-as built-12-09-04\7774-M.dwg - Tab Layout By: rbl on Apr. 11, 2005 at 04:36 pm				JOB NO. 7774-E

- In order to obtain pricing for the special-order aluminum hatch is it possible to obtain the name of the manufacturer of the original hatch? The new hatches and safety grates are supposed to fit into the existing frame and this will be difficult unless we have more information about the existing frame.
 - ✓ As-built info available from the installation 2014 and Alisto Quote for replacement hatch information attached.
- Can the City confirm whether the Future Cofferdam that is called out S305, is indeed the shoring required to install the new manhole or if this cofferdam is supposed to be a permanent structure.
 - ✓ Cofferdam representation is for reference only. Alisto provides estimated excavation information to determine construction constraints. Exact details for excavation to be determined by contractor. There is no requirement for cofferdam to be constructed or to remain after manhole construction. Temporary cofferdam may be required if groundwater intrusion to excavation cannot be controlled during construction with pumping. There are bore logs from original construction. Groundwater is expected to be at depth of 4' to 6' depth. Alisto cannot provide an estimate of groundwater infiltration at this time.
- Can the City also confirm that the shoring type (Soldier pile and plate) shown in the drawings is the only accepted method for shoring that will be allowed, or if the Contractor will have full autonomy in selecting the safest and most productive method for shoring to install the new manholes.
 - ✓ Soldier Pile and plate depiction is for reference only. Detailed excavation shoring is responsibility of contractor. Single standard manhole is to be constructed.

For the bypassing pump, one of our subcontractors have requested the following information:

- Depth of the suction MH
 - ✓ Location of bypass suction is manhole on south side of river Islands Parkway, opposite of pump station, approximately 150' away, across four lanes of traffic. Surface elevation of this manhole is ~ 11.20'. Invert is ~ -11.2'. This manhole discharge must be to existing force main location at pump station discharge force main lines (12" and 8" fed by a single 10" pump discharge header from the wet well) connected to common discharge header (from four existing pumps – to be replaced after wet well refurbishment) accessible in station. Manifold may be

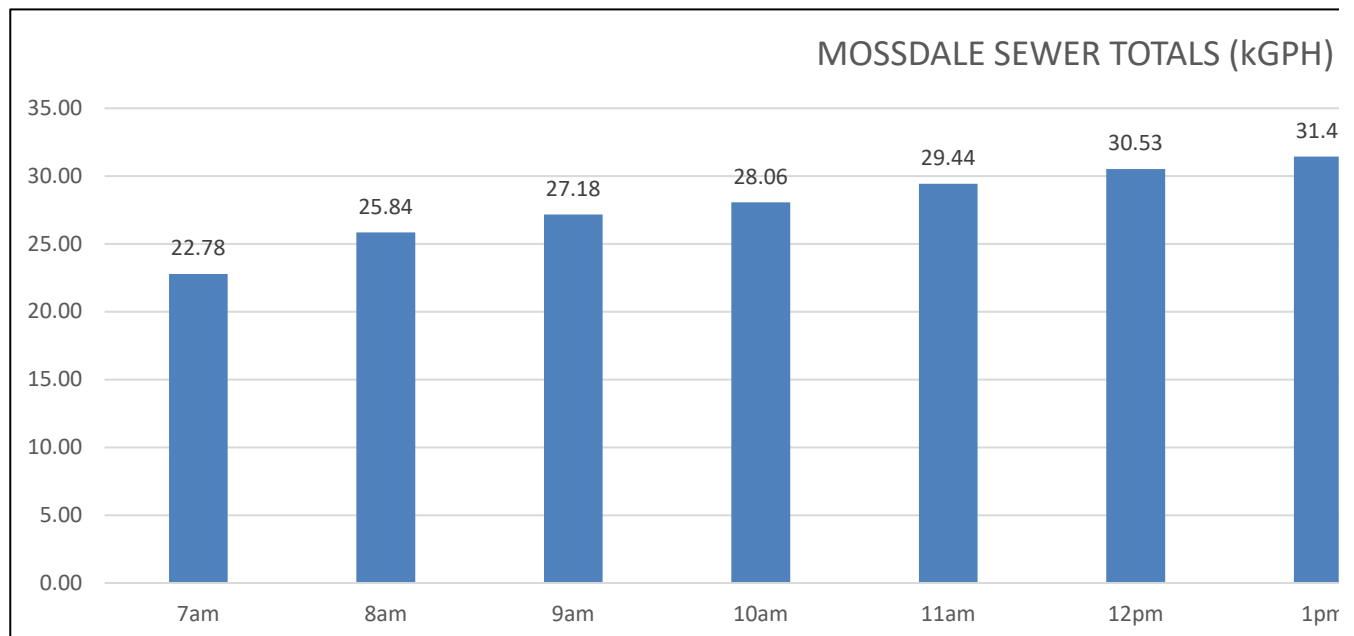
broken down and to be replaced to functional condition after using for bypass discharge, for use by existing pump station infrastructure upon installation of new pumps.

- **Maximum suction MH surcharge levels**
 - ✓ The existing manholes are all gravity lines with no surcharge expected. It will be contractor's responsibility to maintain 100% of the effluent received at the bypass manhole and deliver to the force main(s). Upon completion of the new manhole construction, bypass pumping will continue to be required from the new manhole to the force mains. The new manhole (~ 25' south of pump station) will have an invert of ~ -13.6). Effluent to this manhole will come from the MH on the south side of the parkway and will need to be pumped to the force mains during refurbishment of the wet well and installation of the replacement pumps.
- **Required head pressure for the force main at the peak flow of 550 gpm.**
 - ✓ Design pressure from each of the existing wet well pumps is approximately 45 psi each. This was based off the 2024 Wastewater System Master Plan Amendment submitted by EKI on December 2024.
 - ✓ Design peak capacity of the current system has been available to convey 1300 gpm (peak wet weather flow). Refer to the accompanying flow record depicting a 12-hour flow record for the station that the 550 GPM was based on that was provided by the City.

Mossdale Se

Date	7am	8am	9am	10am	11am	12pm
6/22/2026	21.75	24.90	27.18	26.60	28.11	28.48
6/23/2026	21.92	24.90	24.68	24.32	25.30	25.70
6/24/2026	22.78	23.58	24.57	26.32	26.98	27.94
6/25/2026	22.04	23.63	23.81	25.18	25.35	26.82
6/26/2026	22.06	25.84	26.12	27.08	27.36	28.19
6/27/2026	20.08	24.10	25.92	27.86	29.39	30.53
6/28/2026	19.15	23.93	25.29	28.06	29.44	30.43
6/29/2026	22.61	24.25	24.57	26.63	27.54	28.09
6/30/2026	21.25	22.91	24.19	24.57	25.91	26.84
7/1/2026	21.85	24.49	25.11	25.19	27.35	27.29

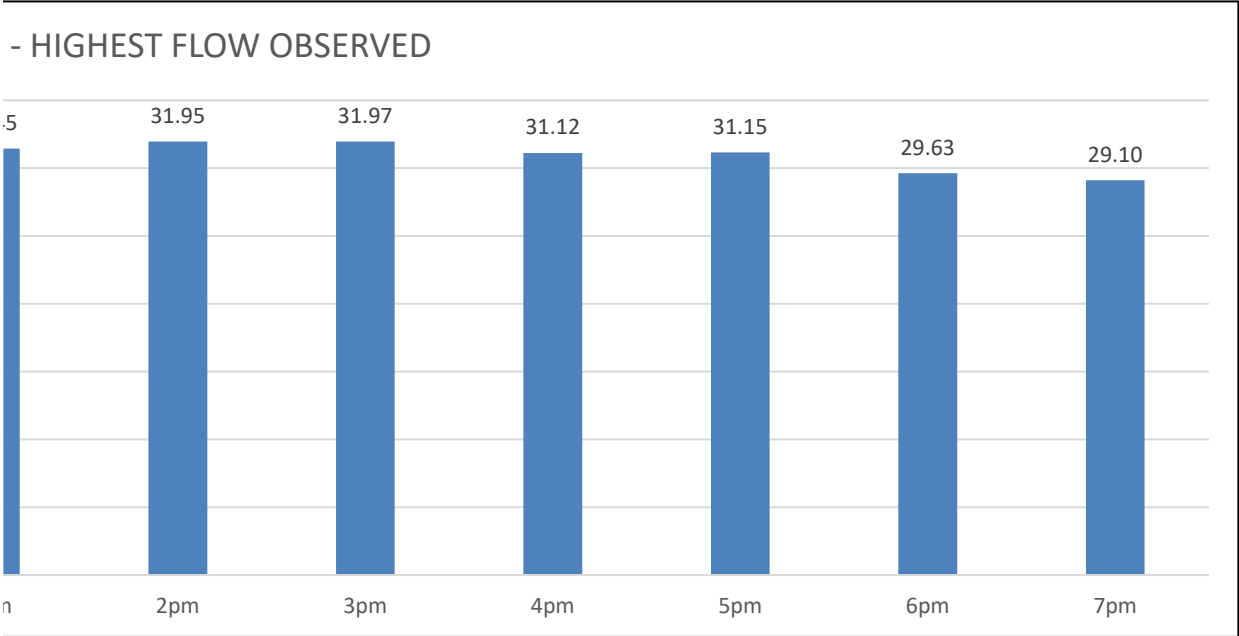
Highest	22.78	25.84	27.18	28.06	29.44	30.53
Lowest	19.15	22.91	23.81	24.32	25.30	25.70
Average	21.55	24.25	25.14	26.18	27.27	28.03



	7AM - 8 AM	8 AM - 9 AM	9AM - 10 AM	10 AM - 11 AM	11 AM - 12 PM	12 PM - 1PM
Area Under Curve	24310	26510	27620	28750	29985	30990
Total Gallons	24310	50820	78440	107190	137175	168165

sewer totals (kGPH)

1pm	2pm	3pm	4pm	5pm	6pm	7pm
28.69	27.92	25.16	25.82	25.69	27.12	27.96
27.14	25.18	23.50	24.72	25.18	24.94	27.29
27.23	26.82	25.74	25.78	25.06	25.94	26.30
26.70	25.78	24.20	25.57	24.92	26.30	27.07
28.32	26.81	20.45	25.74	27.35	26.53	25.53
31.45	31.95	31.97	31.12	31.15	29.59	28.14
30.99	31.27	30.79	30.57	29.50	29.27	29.10
28.96	28.28	26.56	25.28	24.16	26.18	26.70
26.52	26.27	25.96	25.65	25.93	25.96	26.77
27.19	27.85	27.17	23.97	25.85	29.63	25.30
31.45	31.95	31.97	31.12	31.15	29.63	29.10
26.52	25.18	20.45	23.97	24.16	24.94	25.30
28.32	27.81	26.15	26.42	26.48	27.15	27.02



1PM - 2PM	2PM-3PM	3PM-4PM	4PM -5PM	5PM-6PM	6PM -7PM	
31700	31960	31545	31135	30390	29365	354260
199865	231825	263370	294505	324895	354260	

total
345.38
324.77
335.04
327.37
337.38
373.25
367.79
339.81
328.73
338.24

373.25

324.77

341.78