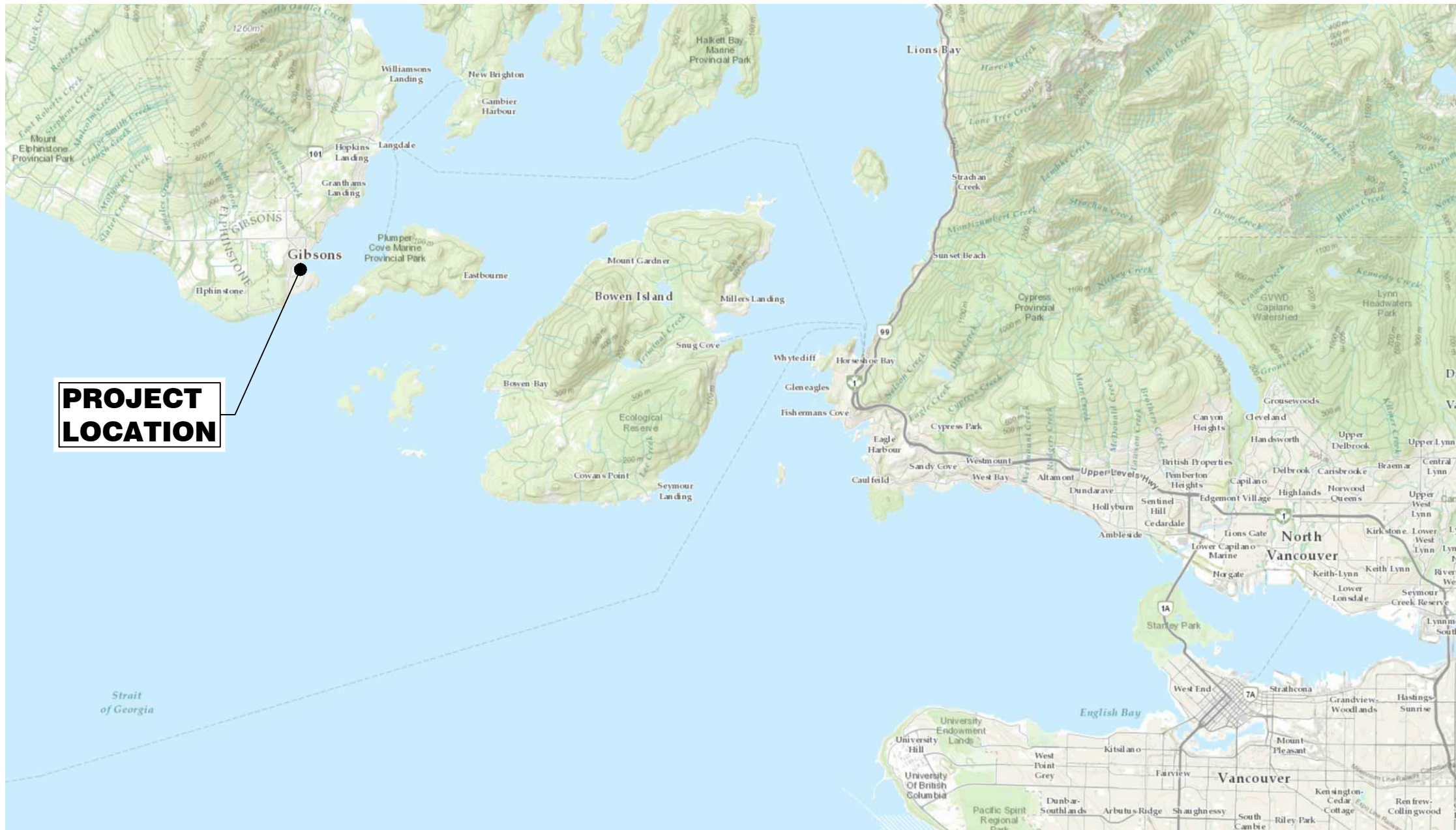
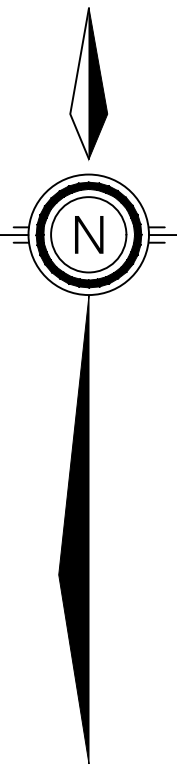


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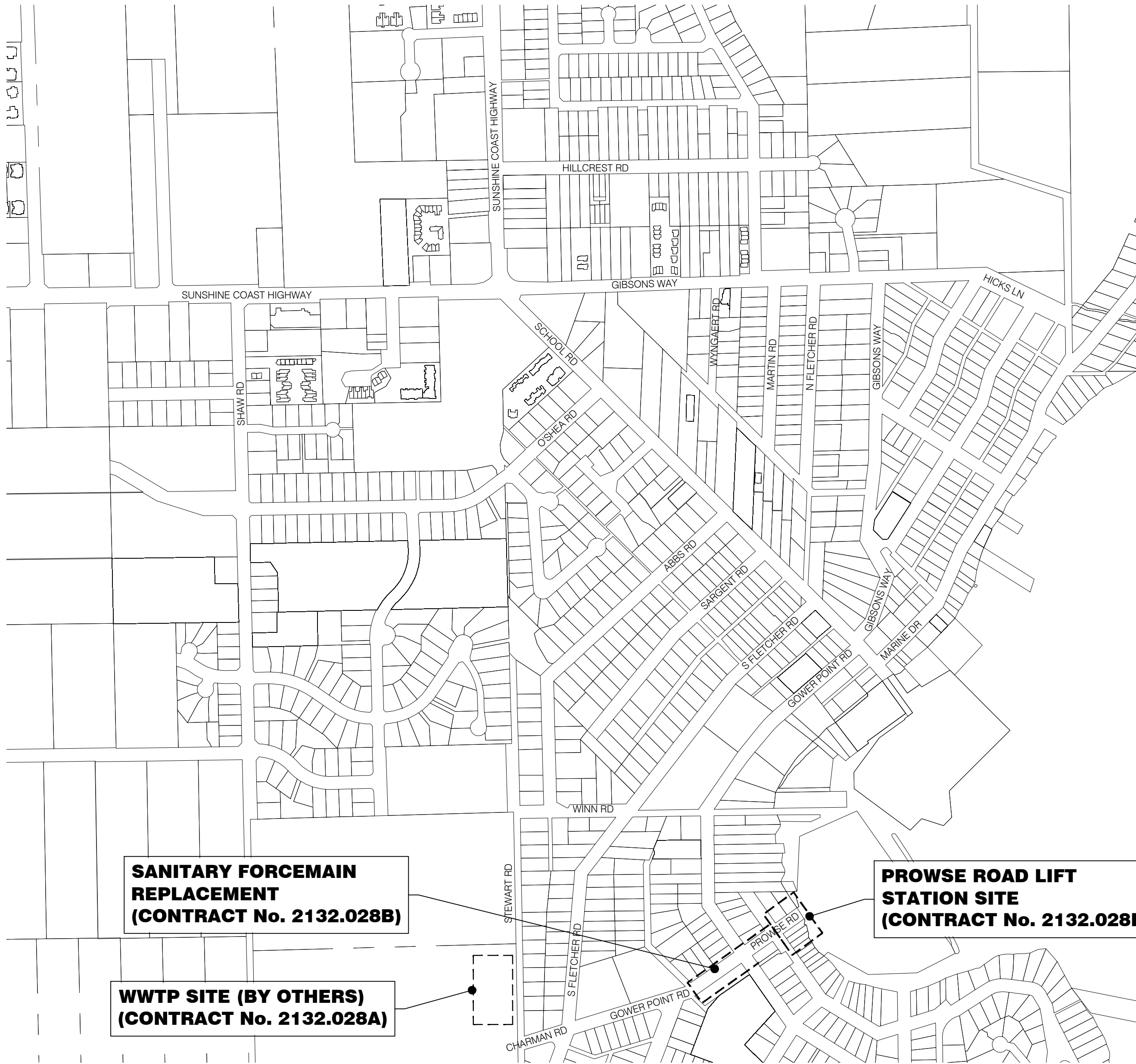
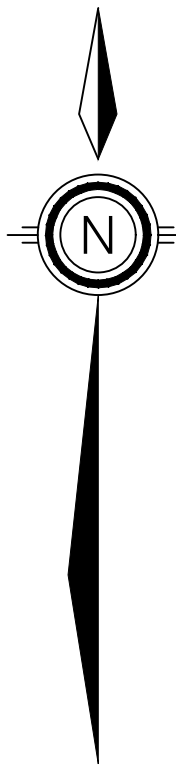
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**PROJECT
LOCATION**

LOCATION PLAN
N.T.S.

DRAWING LIST	
Sheet Number	Sheet Title
GENERAL	
G1101	LOCATION PLAN KEY PLAN DRAWING LIST
G1102	LEGEND AND GENERAL NOTES
CIVIL	
C1101	SITE PLAN
C1102	FORCEMAIN PLAN AND PROFILE
C1103	FORCEMAIN TIE-IN
C1301	CONCRETE BENCHING AND REPAIRS
C1501	STANDARD DETAILS
MECHANICAL	
M1101	PLAN
M1301	SECTIONS AND DETAILS - SHEET 1 OF 2
M1302	SECTIONS AND DETAILS - SHEET 2 OF 2
M1501	STANDARD DETAILS
ELECTRICAL	
E1101	UPGRADES



KEY PLAN
Scale: 1:5000

SURVEY CONTROL				
VERTICAL AND HORIZONTAL CONTROL ORIGINATED AT MONUMENT 94H1221 LOCATED ON THE SOUTH WEST CORNER OF WINN RD AND GROWER POINT RD WITH PUBLISHED GEODETIC ELEVATION OF 11.540m (CVD28BC) CONFIRMED BY TRAVERSE WITH CONVENTIONAL TOTAL STATION TO MONUMENT 94H1229.				
HORIZONTAL COORDINATES ARE IN A GROUND SCALED PROJECTION OF UTM NAD 83 COORDINATES ESTABLISHED BY CONVENTIONAL TOTAL STATION SURVEY. TO CONVERT FROM UTM NAD83 TO GROUND: SCALE ABOUT 0.0 BY 1/0.999616267 (1.000383881)				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
101	5473813.963	462924.015	43.422	SPIKE #101
102	5473780.621	462946.114	38.916	SPIKE #102
5859	5473945.251	463264.028	5.612	KWL #5859
5861	5473955.402	463405.721	2.878	KWL #5861
5862	5473989.193	463315.887	5.453	KWL #5862
5863	5473833.190	463232.432	11.149	KWL #5863
5864	5473758.745	462967.189	32.470	KWL #5864
5865	5473888.987	462957.106	40.424	KWL #5865
5866	5473888.145	462945.476	42.051	KWL #5866
5867	5473879.108	462911.747	46.954	KWL #5867
5868	5473824.369	462945.728	41.815	KWL #5868
941205	5473778.120	463040.927	25.292	MON-94H1205
941221	5474104.600	463243.753	11.540	MON-94H1220
941229	5474120.593	463148.947	20.944	MON-94H1229

TOWN OF GIBSONS

2019 PROWSE LIFT STATION UPGRADES

KWL Project No. 2132.028B

CONTRACT No. XXX.XXXX-XX



Info:

Seal:

Rev	Date	Des	Dwn	Chk	Description
A	2018-12-14	TMAH	CKTI		ISSUED FOR 90% CLIENT REVIEW

Rev	Date	Des	Dwn	Chk	Description

TOWN OF GIBSONS			
2019 PROWSE LIFT STATION UPGRADES			
LOCATION PLAN, KEY PLAN & DRAWING LIST			
Project No.	2132.028B	Drawing No.	
Group	GENERAL		

G1101

Rev.

A

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LEGEND			
EXISTING		PROPOSED	
ALIGNMENTS			
ALIGNMENTS / CENTRELINES			
ALIGNMENT EXTENTIONS			
HYDROLOGY			
FLOWPATH - MAJOR (CREEK OR RIVER)			
FLOWPATH - MINOR (DITCH OR SWALE)			
FLOWPATH - OVERLAND			
ROADS			
EDGE OF PAVED ROADS / DRIVEWAYS			
EDGE OF CONCRETE/PAVER ROADS/DRIVEWAYS			
EDGE OF PAVED PATH			
EDGE OF GRAVEL PATH			
EDGE OF CONCRETE OR PAVERS PATH			
SURFACES			
CONTOUR - MAJOR			
CONTOUR - MINOR			
TOPOGRAPHY			
TOE OF BANK			
TOP OF BANK			
VEGETATION			
TREE LINE			
BUSH LINE / HEDGE LINE			
LAWN EDGE			
STRUCTURES			
GENERAL STRUCTURES			
BUILDING EDGE			
FENCE - BARBED & GENERAL			
ROADSIDE BARRIER - CENTERED			
RETAINING WALL			
SURVEY			
MON 75445632 100.000 MONUMENT			
△ KWL/1234 100.000 SURVEY TAG			
⊕ TBM 1 100.000 TEMP. BENCH MARK			
● OIP IRON PIN		● IP	
■ OLP LEAD PLUG		■ LP	
⊞			
STORM			
MAIN		MAIN	
SERVICE CONNECTION		SERVICE CONNECTION	
LAWN DRAIN		LAWN DRAIN	
CATCH BASIN (STANDARD)		CATCH BASIN (STANDARD)	
CATCH BASIN MANHOLE		CATCH BASIN MANHOLE	
MANHOLE		MANHOLE	
SANITARY			
MAIN		MAIN	
FORCEMAIN		FORCEMAIN	
SERVICE CONNECTION		SERVICE CONNECTION	
INSPECTION CHAMBER		INSPECTION CHAMBER	
MANHOLE		MANHOLE	
WATER			
MAIN		MAIN	
SERVICE CONNECTION		SERVICE CONNECTION	
VALVE		VALVE	
REDUCER		REDUCER	
END CAP		END CAP	
HYDRANT		HYDRANT	
STANDPIPE		STANDPIPE	
AIR VALVE CHAMBER		AIR VALVE CHAMBER	
AIR VALVE CHAMBER VENT		AIR VALVE CHAMBER VENT	
BLOW-OFF		BLOW-OFF	
BLOW-OFF VENT		BLOW-OFF VENT	
CORP. STOP / CURB STOP		CORP. STOP / CURB STOP	
THRUST BLOCK		THRUST BLOCK	
PUMP STATION		PUMP STATION	
WATER MANHOLE		WATER MANHOLE	
UTILITIES			
CABLE MAIN		CABLE MAIN	
CABLE SERVICE CONNECTION		CABLE SERVICE CONNECTION	
ELECTRICAL MAIN		ELECTRICAL MAIN	
ELECTRICAL SERVICE CONNECTION		ELECTRICAL SERVICE CONNECTION	
TELEPHONE MAIN		TELEPHONE MAIN	
GAS MAIN		GAS MAIN	
GAS SERVICE		GAS SERVICE	
UTILITY POLE		UTILITY POLE	
ANCHOR		ANCHOR	
ANCHOR POLE		ANCHOR POLE	
SERVICE BOX		SERVICE BOX	
JUNCTION BOX		JUNCTION BOX	
TRANSFORMER		TRANSFORMER	
TELEPHONE BOOTH		TELEPHONE BOOTH	
GAS VALVE		GAS VALVE	
GAS MARKER		GAS MARKER	
STREET LIGHT (POST TOP)		STREET LIGHT (POST TOP)	

GENERAL NOTES

- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS. IN CASE OF CONFLICT OR UNCERTAINTY, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO PROVIDE CLARIFICATION.
- COORDINATE ALL PERMITS AND NOTIFICATIONS FOR WORK AS REQUIRED WITH THE APPROPRIATE AUTHORITY.
- ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, AND UNLESS OTHERWISE NOTED, SHALL BE SUPPLIED BY THE CONTRACTOR. SUBMIT ALTERNATE MATERIALS FOR APPROVAL.
- ALL DIMENSIONS AND UTILITY LOCATIONS ARE ONLY INDICATIVE AND SHALL BE VERIFIED BY THE CONTRACTOR ON SITE.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL SURVEY LAYOUT DURING CONSTRUCTION USING BENCHMARK INFORMATION PROVIDED ON THE CONTRACT DRAWINGS.
- ANY UTILITY OR SERVICE DISTURBED DURING CONSTRUCTION SHALL BE IMMEDIATELY RECTIFIED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S COST.
- EXISTING UTILITIES ARE BASED ON PARTIAL FIELD SURVEY, RECORD DRAWINGS, AND A GROUND-PENETRATING RADAR UTILITY LOCATE. ACCURACY AND COMPLETENESS IS NOT GUARANTEED. PROCEED WITH CAUTION WHEN EXCAVATING AS SOME EXISTING BURIED UTILITIES MAY NOT BE SHOWN ON THE PLAN. THE CONTRACTOR SHALL CONTACT BC ONE CALL TO CONFIRM ADDITIONAL SERVICING LOCATIONS PRIOR TO CONSTRUCTION.
- PRIOR TO CONSTRUCTION, LOCATE AND CONFIRM ELEVATION OF EXISTING UNDERGROUND UTILITIES BY POT HOLING OR OTHER MEANS AT ALL TIE-IN AND MAINLINE UTILITY CROSSING LOCATIONS. NOTIFY THE ENGINEER AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION OF ANY DISCREPANCIES OR CONFLICTS, OR REQUIREMENTS TO CHANGE PIPELINE GRADES.
- THE CONTRACTOR SHALL NOTIFY THE CONTRACT ADMINISTRATOR AT LEAST 72 HOURS IN ADVANCE OF ANY REQUIRED UTILITY RELOCATIONS.
- ALL WORK WITHIN VICINITY OF THIRD PARTY UTILITIES SHALL CONFORM TO THE APPLICABLE UTILITY REQUIREMENTS.
- CONTRACTOR SHALL KEEP PROPER AS-BUILT INFORMATION DURING CONSTRUCTION AND SUBMIT THE INFORMATION TO THE CONTRACT ADMINISTRATOR AS REQUESTED DURING CONSTRUCTION, AND PRIOR TO ACCEPTANCE OF THE WORK.
- THE CONTRACTOR SHALL BE CONSIDERED THE 'PRIME CONTRACTOR' AND IS RESPONSIBLE FOR ALL ASPECTS OF SAFETY WITHIN THE VICINITY OF THE CONTRACT WORK. PROVIDE TEMPORARY FENCING AND SIGNAGE TO ISOLATE WORK AREAS.
- DISPOSE OF ALL EXCAVATED MATERIAL, CONCRETE, ASPHALT, TRENCH MATERIAL, PIPING, AND OTHER MISCELLANEOUS DEBRIS IN AN APPROVED MANNER TO AN OFFSITE DUMP SITE.
- DEMOLITION AND DISPOSAL OF ASBESTOS CONCRETE PIPE SHALL BE IN STRICT ACCORDANCE WITH WORKSAFE BC REQUIREMENTS AND ENVIRONMENTAL REGULATIONS OF THE AUTHORITY HAVING JURISDICTION.
- INSTALL MATERIALS AND EQUIPMENT IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS. DEVIATIONS FROM THE MANUFACTURER'S WRITTEN INSTRUCTIONS SHALL BE APPROVED BY THE ENGINEER IN WRITING.
- ADJUST ALL MANHOLES, CATCH BASINS, VALVE BOXES, JUNCTION BOXES, ETC. TO FINAL GRADE, AS REQUIRED.
- ALL INSTALLED PIPING SHALL BE HYDROSTATICALLY TESTED IN ACCORDANCE WITH THE SPECIFICATIONS PRIOR TO SYSTEM TIE-IN. VALVES SHALL NOT BE UTILIZED TO ISOLATE FOR PRESSURE TESTING PURPOSES WITHOUT THE ENGINEER'S PRIOR WRITTEN APPROVAL. WHERE IT CAN BE SHOWN THAT A HYDROSTATIC TEST IS IMPRACTICAL, AN IN-SERVICE LEAK TEST SHALL BE USED. ALL HYDROSTATIC AND IN-SERVICE LEAK TESTS SHALL BE WITNESSED BY THE OWNER'S REPRESENTATIVE; PROVIDE 48 HOURS MINIMUM NOTICE.
- FOLLOWING CONSTRUCTION, THE CONTRACTOR SHALL ENSURE THAT ALL WORK AREAS ARE RESTORED TO ORIGINAL CONDITION.
- ALL BURIED METALLIC PIPING AND APPURTENANCES (COUPLINGS, BACKING RINGS, NUTS, BOLTS, TIE-RODS, ETC.) SHALL BE COATED WITH DENSO PASTE AND TAPE OR POLYGUARD MASTIC. CONFIRM CHEMICAL COMPATIBILITY WITH HDPE MANUFACTURER PRIOR TO APPLICATION.
- CONVEYANCE OF SEWAGE TO THE WASTEWATER TREATMENT PLANT MUST BE MAINTAINED AT ALL TIMES. COORDINATE WORK WITH TOWN OF GIBSONS OPERATIONS STAFF TO MINIMIZE INTERRUPTIONS.
- THE CONTRACTOR SHALL COORDINATE WITH THE WWTP CONTRACTOR (CONTRACT No. 2132.028A) AS REQUIRED TO FACILITATE SHUT DOWNS AND BYPASS WORKS AT THE PLANT.
- FOLLOWING CONSTRUCTION, THE CONTRACTOR SHALL RESTORE ALL WORK AREAS TO ORIGINAL CONDITION IN ACCORDANCE WITH TOWN OF GIBSONS CONSTRUCTION STANDARDS AND THE REQUIREMENTS OF THIS CONTRACT. WHERE THERE IS A CONFLICT, THE MORE STRINGENT REQUIREMENT SHALL APPLY UNLESS APPROVED OTHERWISE BY THE CONTRACT ADMINISTRATOR.



KERR WOOD LEIDAL
consulting engineers

Seal:

Rev	Date	Des	Dwn	Chk	Description of Revision	Rev	Date	Des	Dwn	Chk	Description of Revision
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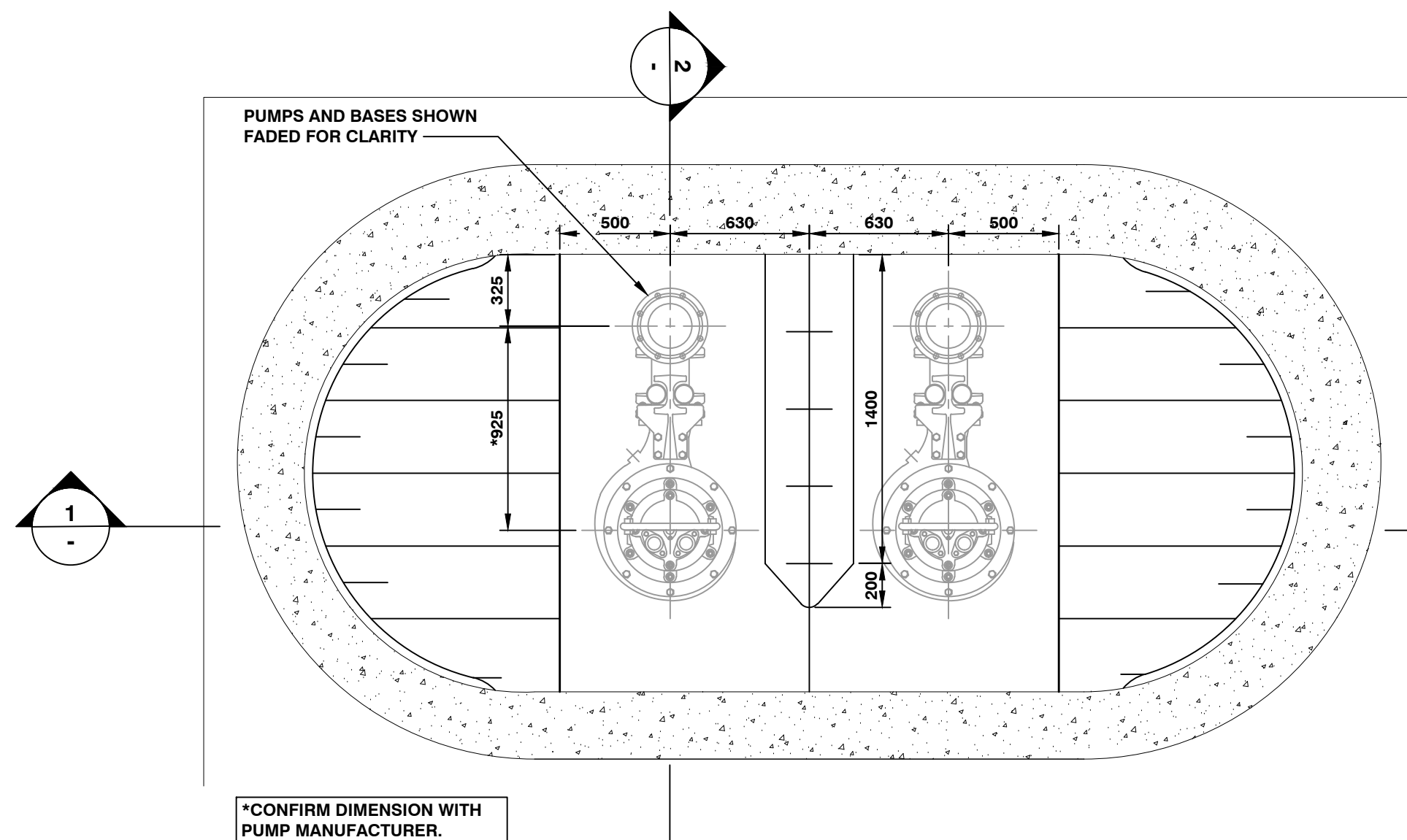
TOWN OF GIBSONS
2019 PROWSE LIFT STATION UPGRADES

LEGEND AND GENERAL NOTES

Project No.	2132.028B	Drawing No.	G1102	Rev.	A
Group	GENERAL				

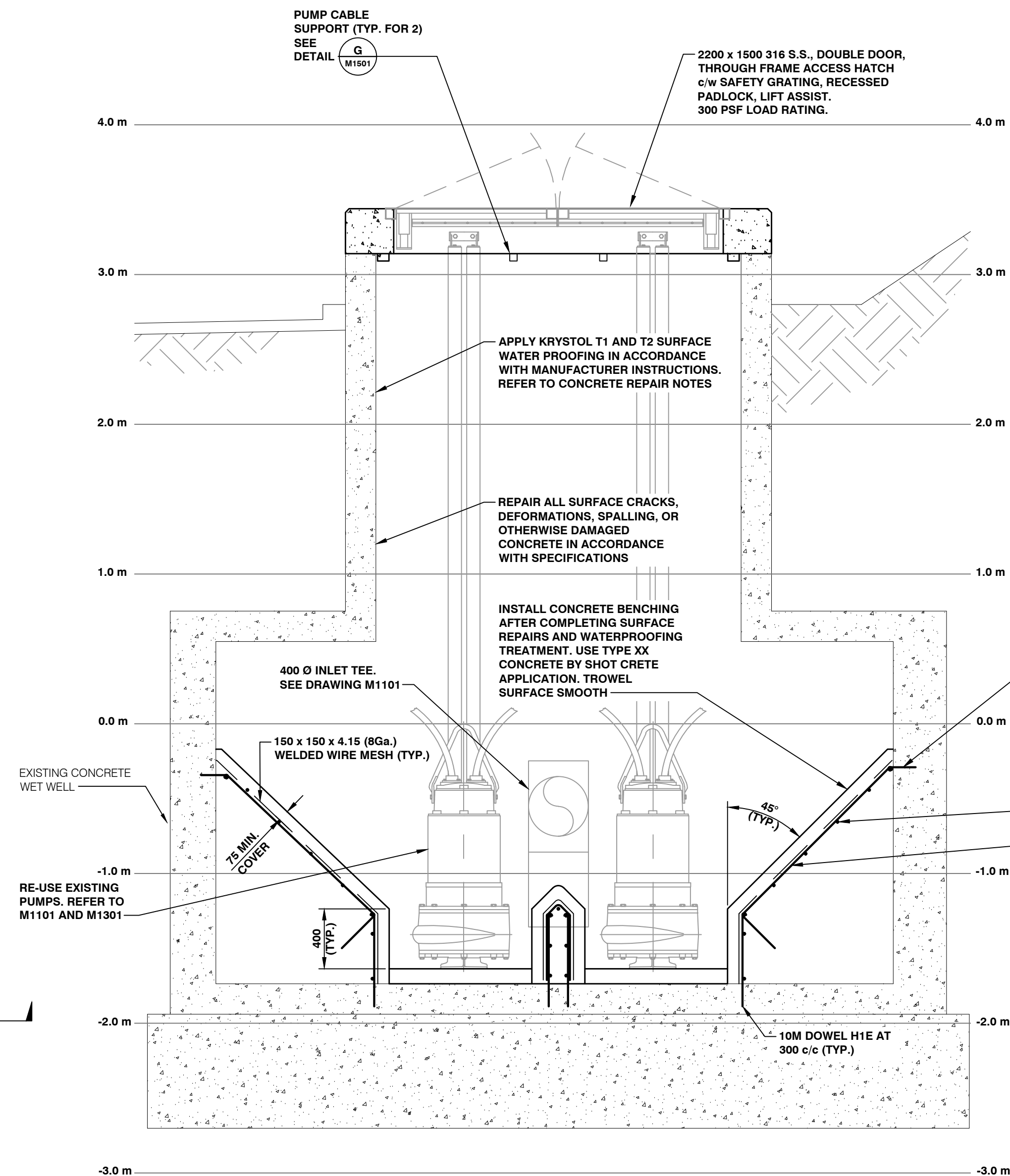
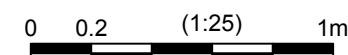
Q:\2100-2199\2132-028\501-Drawings\Production Dwg\2019\Prowse\501 CONC BENCHING AND REPAIRS.dwg

1. WET WELL CONCRETE SHALL BE CLEAN AND FREE FROM OIL GREASE, PAINT, AND ANY OTHER CONTAMINANTS PRIOR TO CONCRETE REPAIR WORK.
2. REPAIR ALL SURFACE DEFECTS INCLUDING CRACKS, HONEYCOMBS, SPALLING OR DAMAGED/CORRODED CONCRETE. ALL CRACKS LARGER THAN 0.1 mm SHALL BE REPAIRED, WHETHER THEY ARE CURRENTLY LEAKING OR NOT.
3. WHERE CONCRETE IS CHIPPED OUT FOR REPAIRS, THE MINIMUM DEPTH OF REPAIR SHALL BE 50 mm. FILL REPAIRS WITH KRYSTOL REPAIR GROUT. STOP LEAKING WATER WITH KRYSTOL PLUG PRIOR TO REPAIR GROUT APPLICATION. ALL PRODUCTS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
4. CHIP OUT OR GRIND FLUSH ALL MISCELLANEOUS METAL EMBEDMENTS. REPAIR DEFECTIVE PIPING AND CONDUIT PENETRATIONS SUCH THAT THEY ARE WATERTIGHT.
5. COMPLETE ALL GROUTED PIPE PENETRATIONS FOR ALL PROPOSED PIPING PRIOR TO COATING APPLICATION.
6. PRIOR TO COATING APPLICATION, CONCRETE SURFACE SHALL BE MADE CLEAN AND FREE OF PAINT, SEALERS, RELEASE AGENTS, DIRT, LAITANCE, OR ANY OTHER CONTAMINANTS. PREPARE SURFACE BY SANDBLASTING, HIGH-PRESSURE WATER BLASTING (MINIMUM 3000 PSI), SCARIFYING, SHOT BLASTING, OR OTHER METHOD OF MECHANICAL SURFACE PREPARATION TO REMOVE LOOSE CONCRETE AND SURFACE CONTAMINANTS. ACID ETCHING SHALL NOT BE USED.
7. WASH AND RINSE SURFACE WITH CONCRETE DEGREASER.
8. MOISTEN CONCRETE SO THE SURFACE IS BROUGHT TO SATURATED-SURFACE-DRY (SSD) CONDITION.
9. APPLY 1.0 TO 1.5 mm THICK COATING OF KRYSTOL T1 (1ST COAT) TO THE ENTIRE INTERIOR OF THE WET WELL IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
10. WET-CURE 1ST COAT UNTIL FOR 24 HOURS IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DO NOT ALLOW WATER TO POOL ON SURFACE. PROTECT COATING FROM FROST, RAIN, AND TRAFFIC FOR AT LEAST 24 HOURS.
11. ROUGHEN 1ST COAT TO REMOVE LOOSE SURFACE PARTICLES BEFORE APPLYING 1.0 TO 1.5 mm THICK LAYER OF KRYSTOL T2 (2ND COAT) TO THE ENTIRE INTERIOR OF THE WET WELL IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
12. WET-CURE 2ND COAT FOR A MINIMUM OF 3 DAYS IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. DO NOT ALLOW WATER TO POOL ON SURFACE. PROTECT COATING FROM FROST, RAIN, AND TRAFFIC FOR AT LEAST 24 HOURS.
13. AFTER 2-COAT WATERPROOFING COATING SYSTEM HAS CURED, INSTALL REBAR, CONCRETE, AND MISCELLANEOUS BENCHING.
14. USE LOW-SLUMP CONCRETE FOR BENCHING. APPLY AS SHOT-CRETE FOLLOWED BY TROWELLING TO A SMOOTH SURFACE. SURFACE ROUGHEN COLD JOINTS TO 6 mm MINIMUM AMPLITUDE AND APPLY BONDING AGENT BEFORE INSTALLING BENCHING CONCRETE.
15. REFER TO SPECIFICATIONS FOR ADDITIONAL CONCRETING REQUIREMENTS AND CURING METHODOLOGY.
16. BENCHING SHALL CURE FOR A MINIMUM OF 14 DAYS PRIOR TO EXPOSURE TO WASTEWATER.
17. ALTERNATE COATINGS AND REPAIR PRODUCTS WILL BE CONSIDERED. SUBMIT ALTERNATES FOR APPROVAL
18. ALL REBAR AND ANCHOR BOLT EMBEDMENTS INSIDE THE WET WELL SHALL USE HILTI HIT-500 RE EPOXY GROUT WITH A MINIMUM EMBEDMENT LENGTH OF 100 mm UNLESS EXPRESSLY NOTED OTHERWISE.
19. WET WELL DIMENSIONS AND DEPTH IS BASED ON RECORD DRAWINGS AND LIMITED FIELD MEASUREMENTS. ACCURACY IS NOT GUARANTEED. CONTRACTOR SHALL CONFIRM ALL DIMENSIONS IN THE FIELD AND NOTIFY THE CONTRACT ADMINISTRATOR OF ANY DISCREPANCIES.

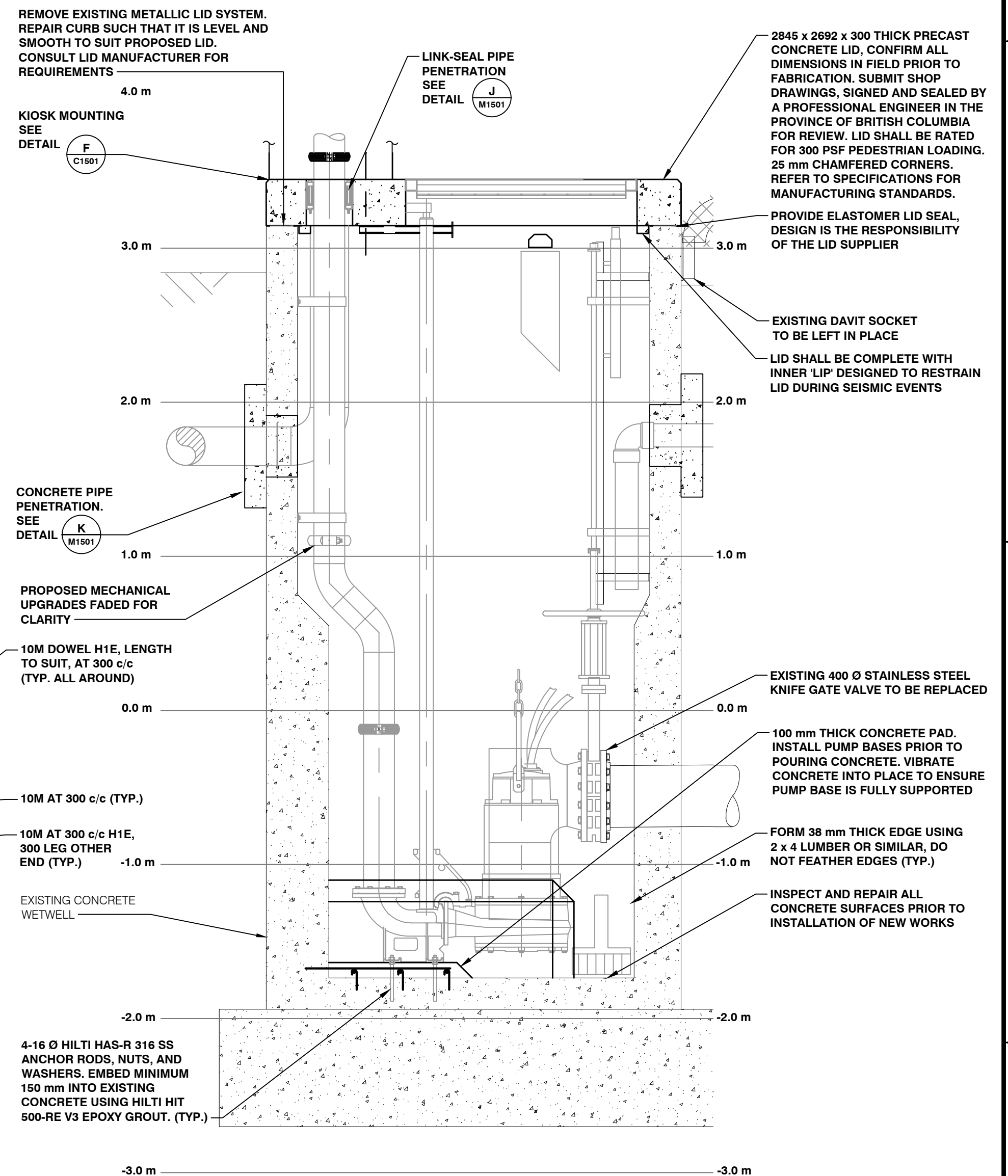


BENCHING PLAN

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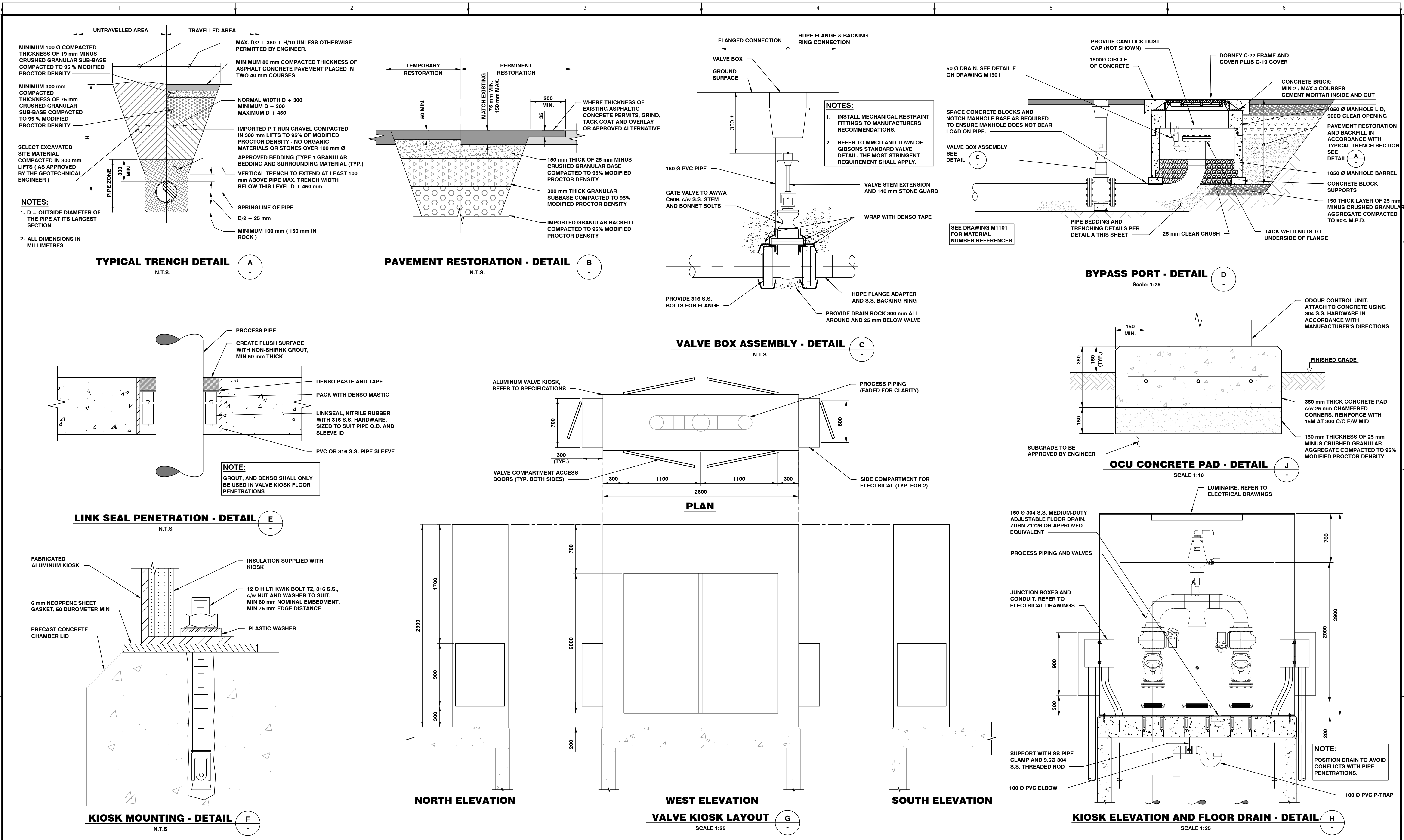
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SECTION 2
-
Scale: 1:25

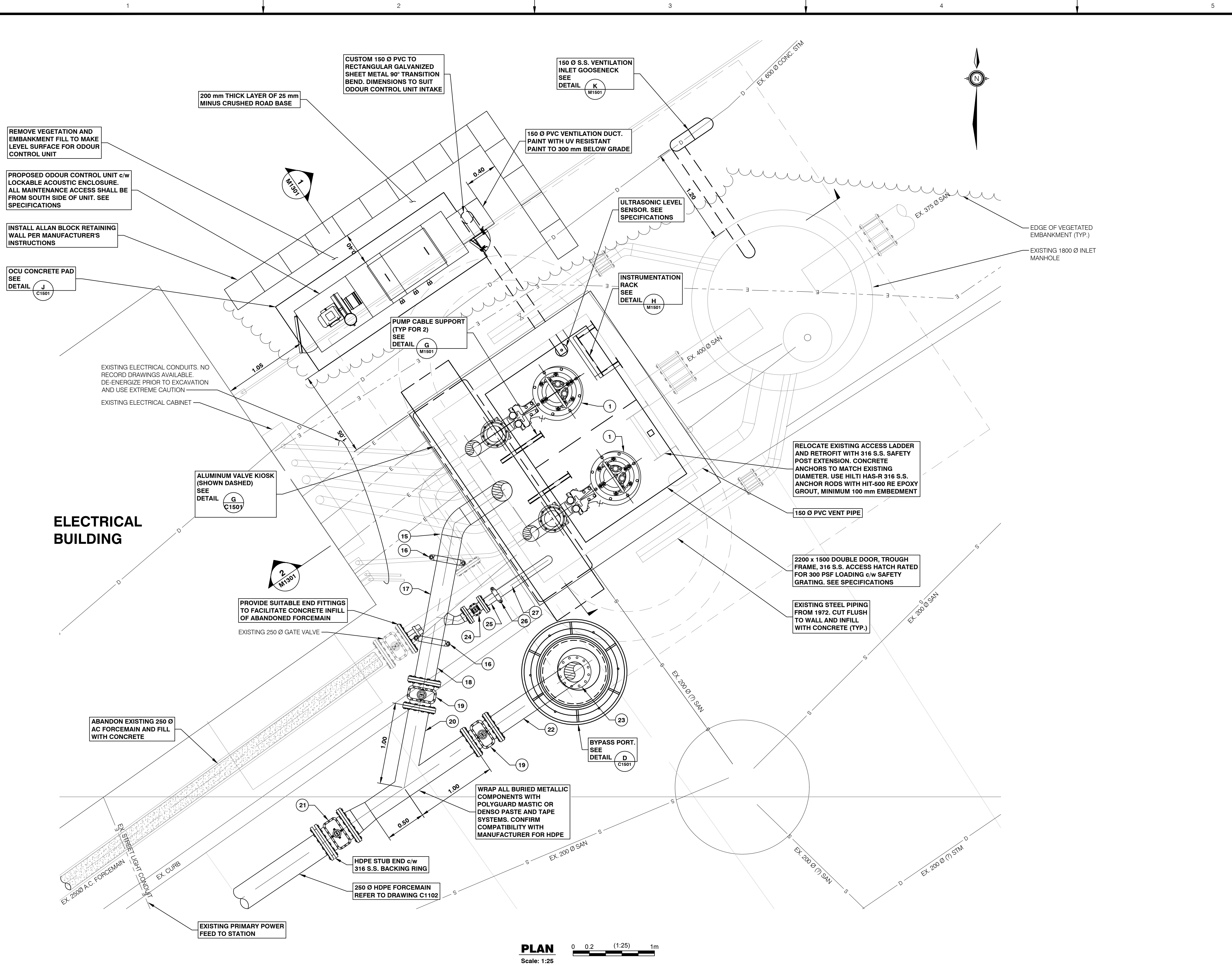
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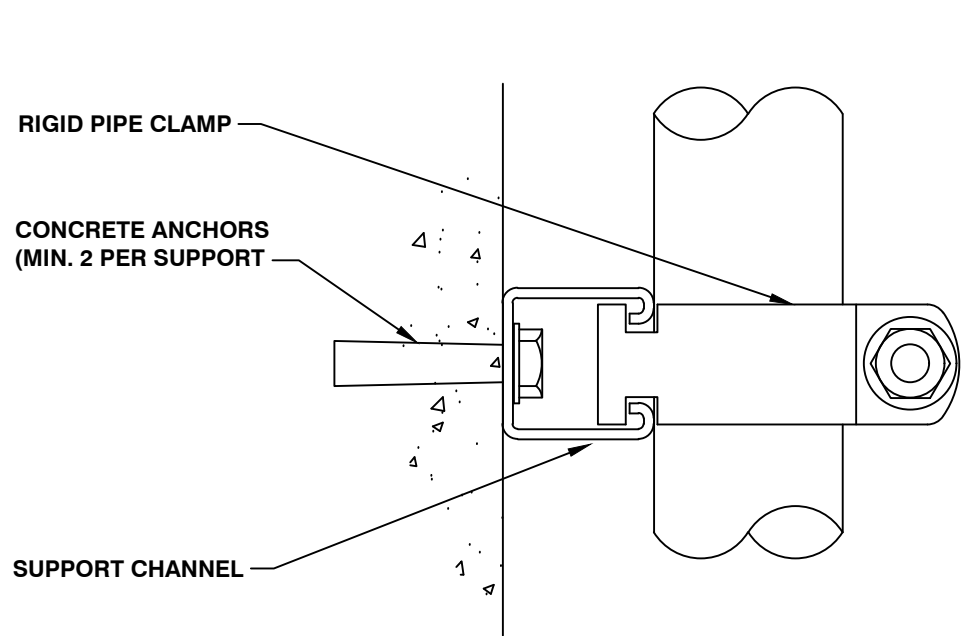
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B	2018-12-14	TMAH	CKTI		ISSUED FOR 90% CLIENT REVIEW						

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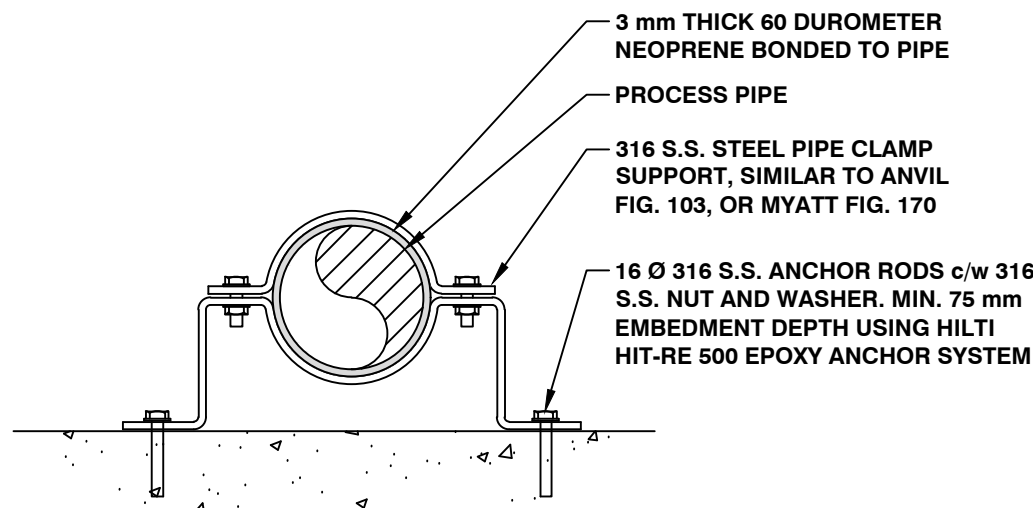


MATERIAL LIST	
ITEM No.	DESCRIPTION
1	REUSE EXISTING PUMPS (FLYGT CP 3300 HT)
2	200 Ø FLYGT DISCHARGE ELBOW SUITABLE FOR EXISTING PUMPS c/w NEW GUIDE RAILS
3	200 Ø F x VIC SCH. 10S 316 STAINLESS STEEL SPOOL c/w 200 S.O. FLANGE
4	200 Ø VICTAULIC STYLE XX RIGID COUPLING
5	200 Ø VIC x VIC SCH. 10S 316 STAINLESS STEEL SPECIAL c/w 2 - 200 L.R. 45° BEND.
6	200 Ø VICTAULIC STYLE XX FLEXIBLE COUPLING
7	200 Ø VIC x VIC SCH. 10S 316 STAINLESS STEEL SPOOL
8	200 Ø VIC x F SCH. 10S 316 STAINLESS STEEL SPOOL c/w 200 S.O. FLANGE
9	200 Ø F x F BALL CHECK VALVE. SEE SPECIFICATIONS
10	200Ø F x F D.I PLUG VALVE. SEE SPECIFICATIONS
11	250 Ø VIC x 200 Ø VIC x 200 Ø VIC SCH. 10S 316 STAINLESS STEEL SPECIAL c/w 200 TEE, 250 x 200 CONC. REDUCER, 2 - 200 L.R. 90° BENDS, 2 - 200 W.N. FLANGES, AND 50 THREADOLET FOR COMBINATION VALVE
12	SPARE
13	250 Ø VICTAULIC STYLE XX RIGID COUPLING
14	250 Ø VIC x VIC SCH. 10S 316 STAINLESS STEEL SPOOL
15	250 Ø VIC x VIC SCH. 10S 316 STAINLESS STEEL SPECIAL c/w 250 L.R. 90° BEND, 200 L.R. 45° BEND, AND 25 x 6 mm LEAKAGE RING.
16	250 Ø VICTAULIC STYLE XX FLEXIBLE COUPLING
17	250 VIC x 250 VIC x 100 F SCH. 10S 316 STAINLESS STEEL SPECIAL c/w 100 WELDOLET, 100 L.R. 45° BEND, AND 100 W.N. FLANGE.
18	250 Ø VIC x F SCH. 10S 316 STAINLESS STEEL SPOOL c/w 200 S.O. FLANGE
19	250 Ø F x F D.I. GATE VALVE. SEE SPECIFICATIONS.
20	300 Ø F x 250 Ø F x 250 Ø F SCH. 10S 316 STAINLESS STEEL SPECIAL c/w 250 x 250 x 250 FABRICATED WYE, 300 x 250 CONC. REDUCER, 300 S.O. FLANGE, AND 2 - 250 S.O. FLANGES.
21	300 Ø F x F D.I. GATE VALVE. SEE SPECIFICATIONS.
22	250 Ø F x F SCH. 10S 316 STAINLESS STEEL SPECIAL c/w 250 L.R. 90° BEND, 200 S.O. FLANGE, AND 50 THREADOLET FOR DRAIN
23	250 Ø BLIND FLANGE c/w 100 CAMLOCK FITTING AND END CAP.
24	100 Ø F x F D.I. GATE VALVE. SEE SPECIFICATIONS.
25	100 Ø F x VIC SCH. 10S 316 STAINLESS STEEL SPOOL c/w 100 S.O. FLANGE.
26	100 Ø VICTAULIC STYLE XX FLEXIBLE COUPLING.
27	100 Ø VIC x PE SCH. 10S 316 STAINLESS STEEL SPECIAL c/w 100 L.R. 90° BEND AND 25 x 6mm LEAKAGE RING.
28	400 Ø F x PE x PE SCH. 10S 316 STAINLESS STEEL SPECIAL c/w 400 TEE AND 400 W.N. FLANGE.
29	400 Ø LUG STYLE KNIFE GATE VALVE, 316 STAINLESS STEEL CONSTRUCTION.

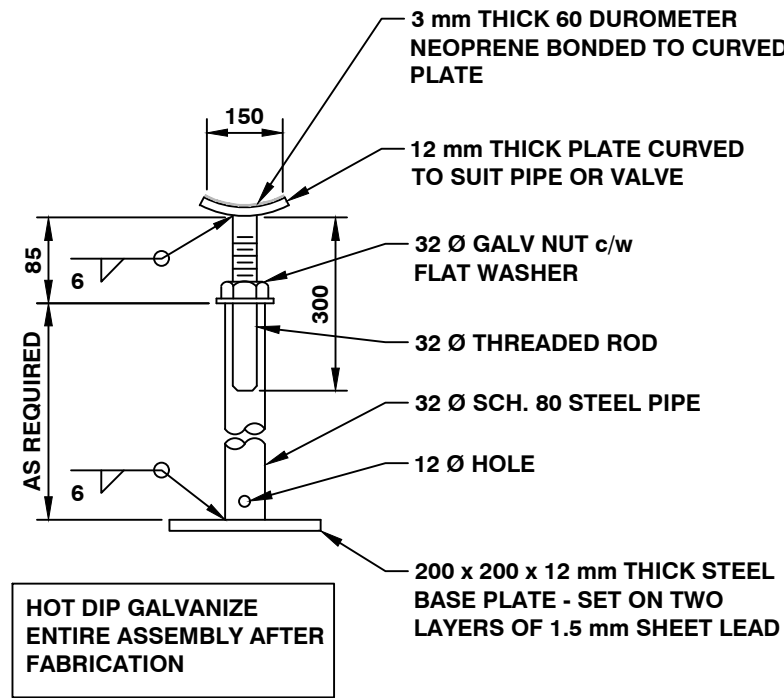
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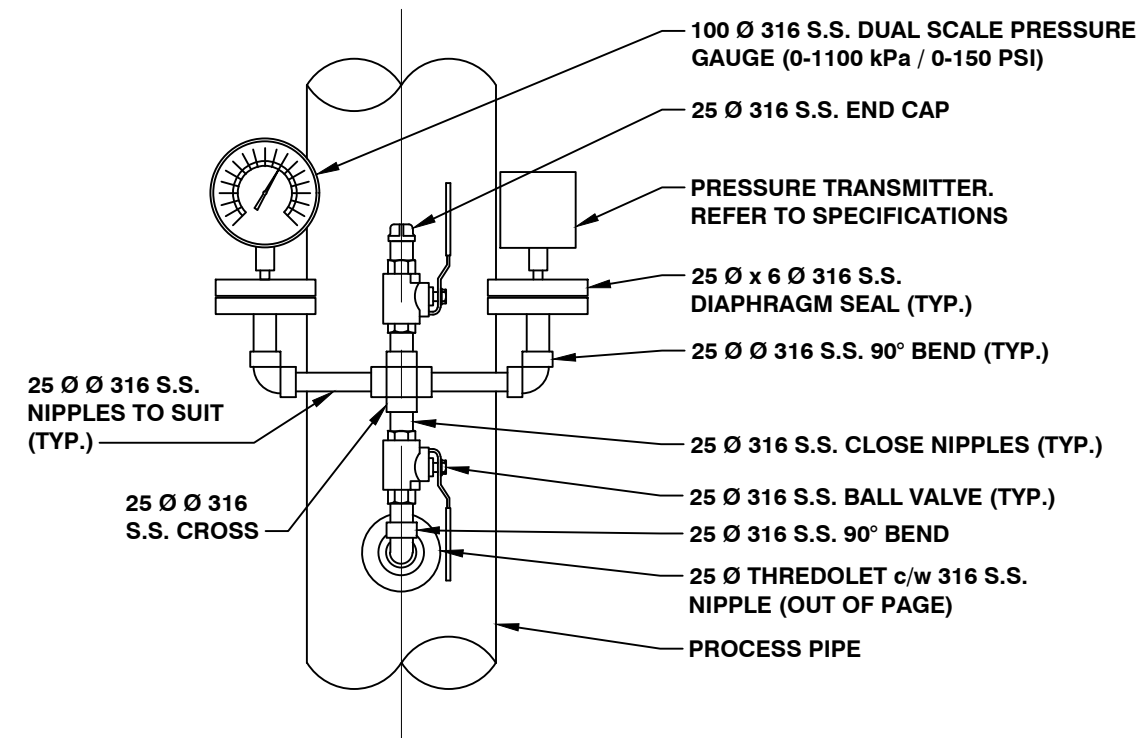
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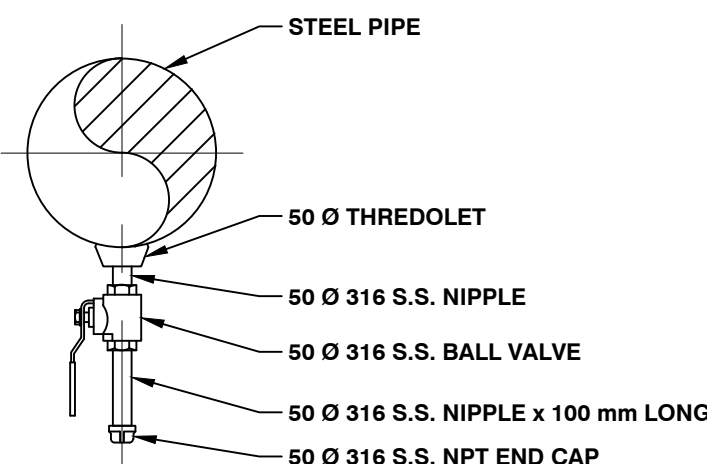
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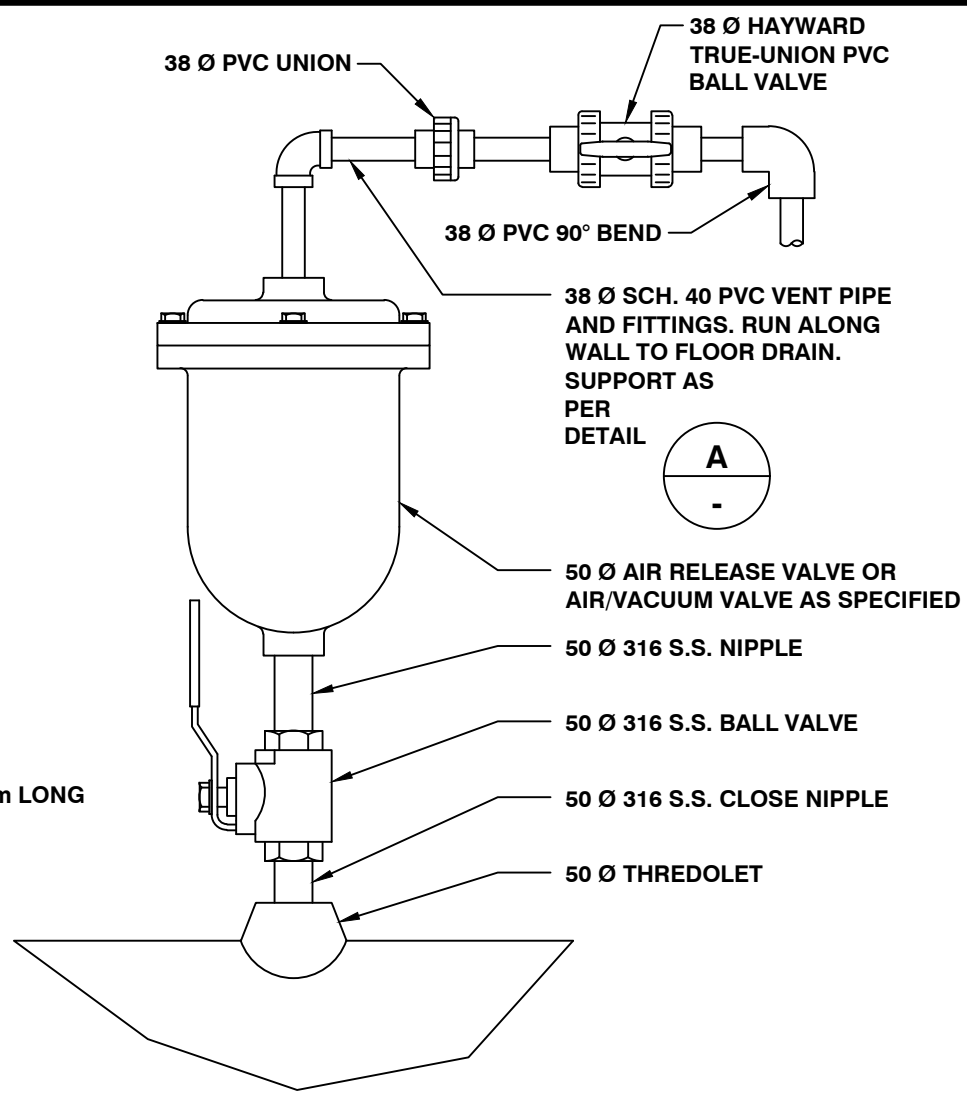
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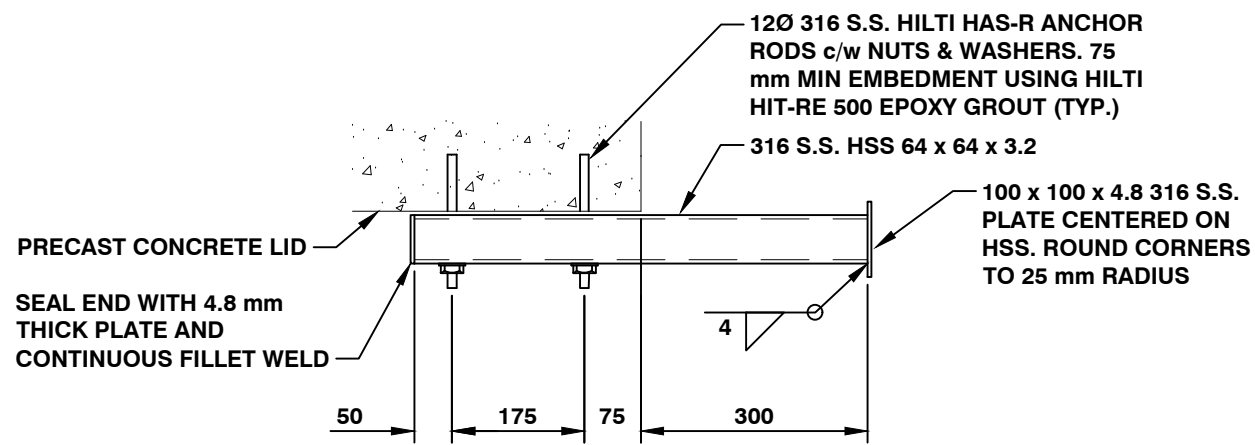
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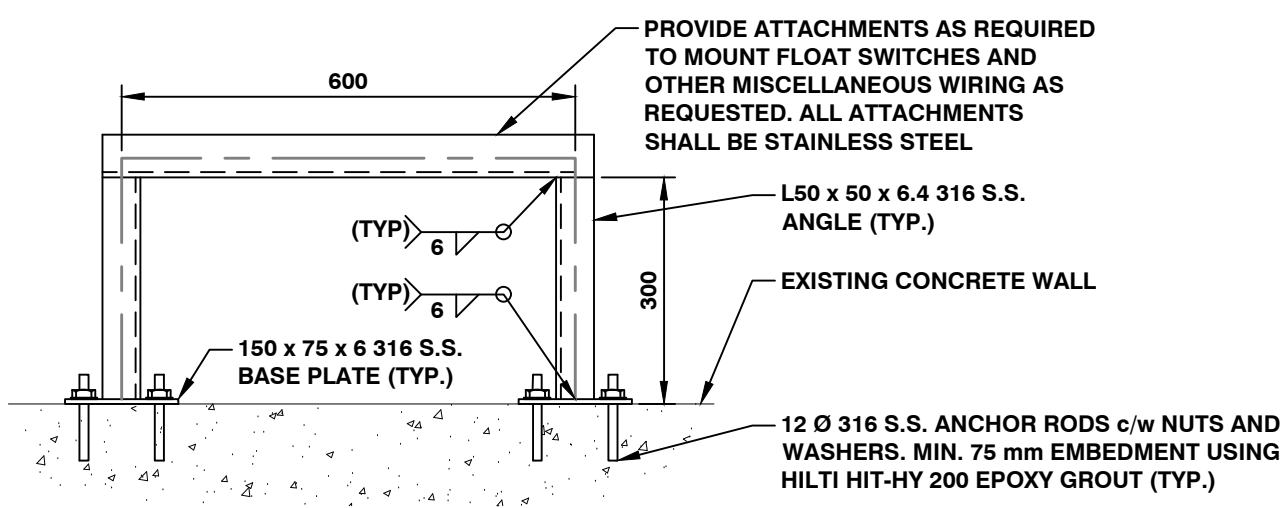
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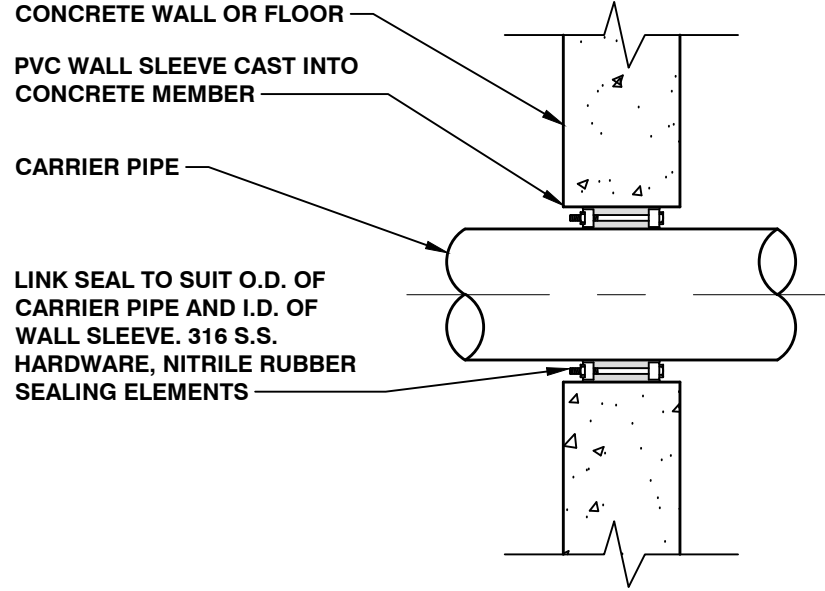
AIR RELEASE ASSEMBLY - DETAIL
N.T.S.



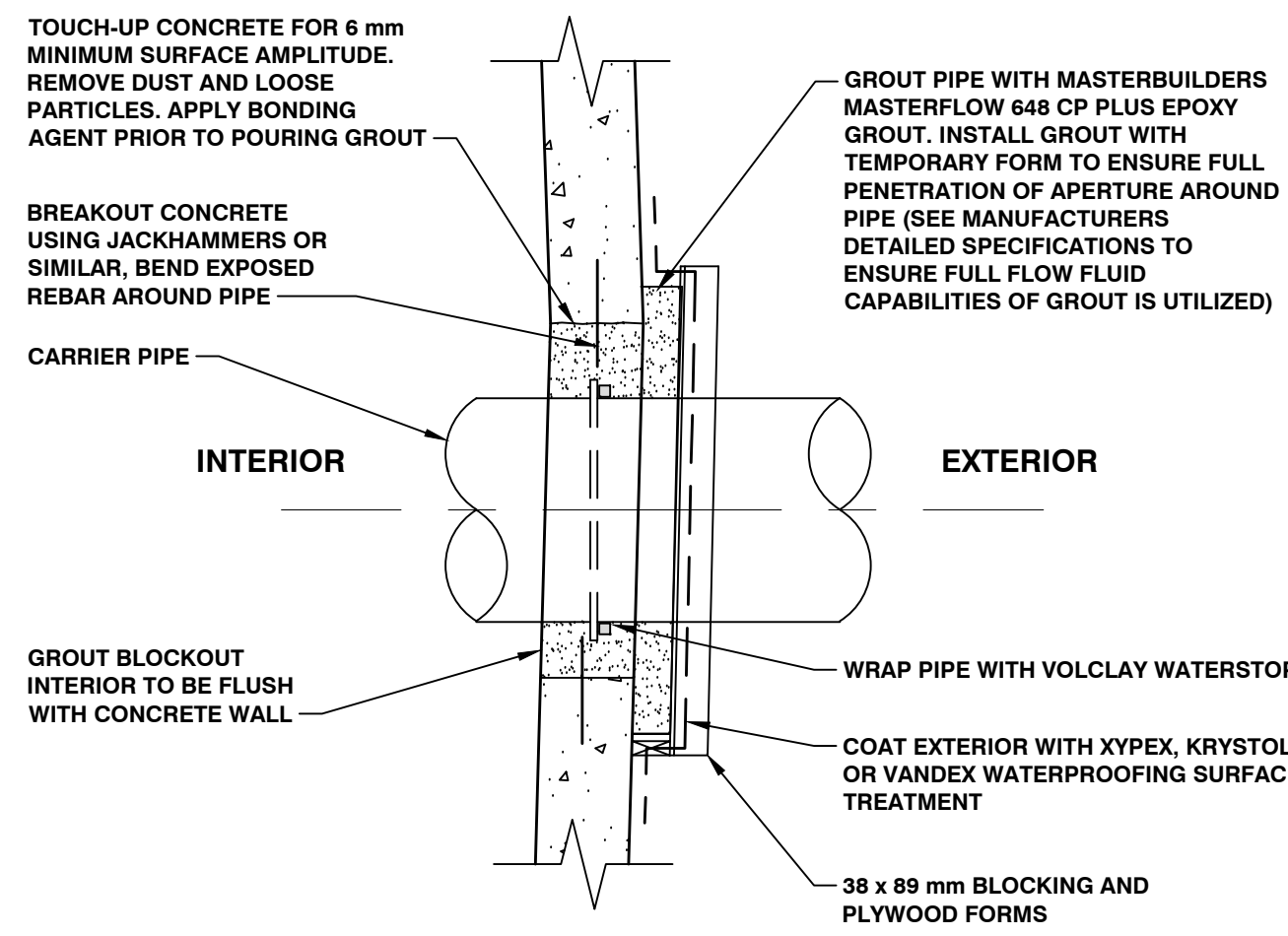
PUMP CABLE SUPPORT - DETAIL
N.T.S.



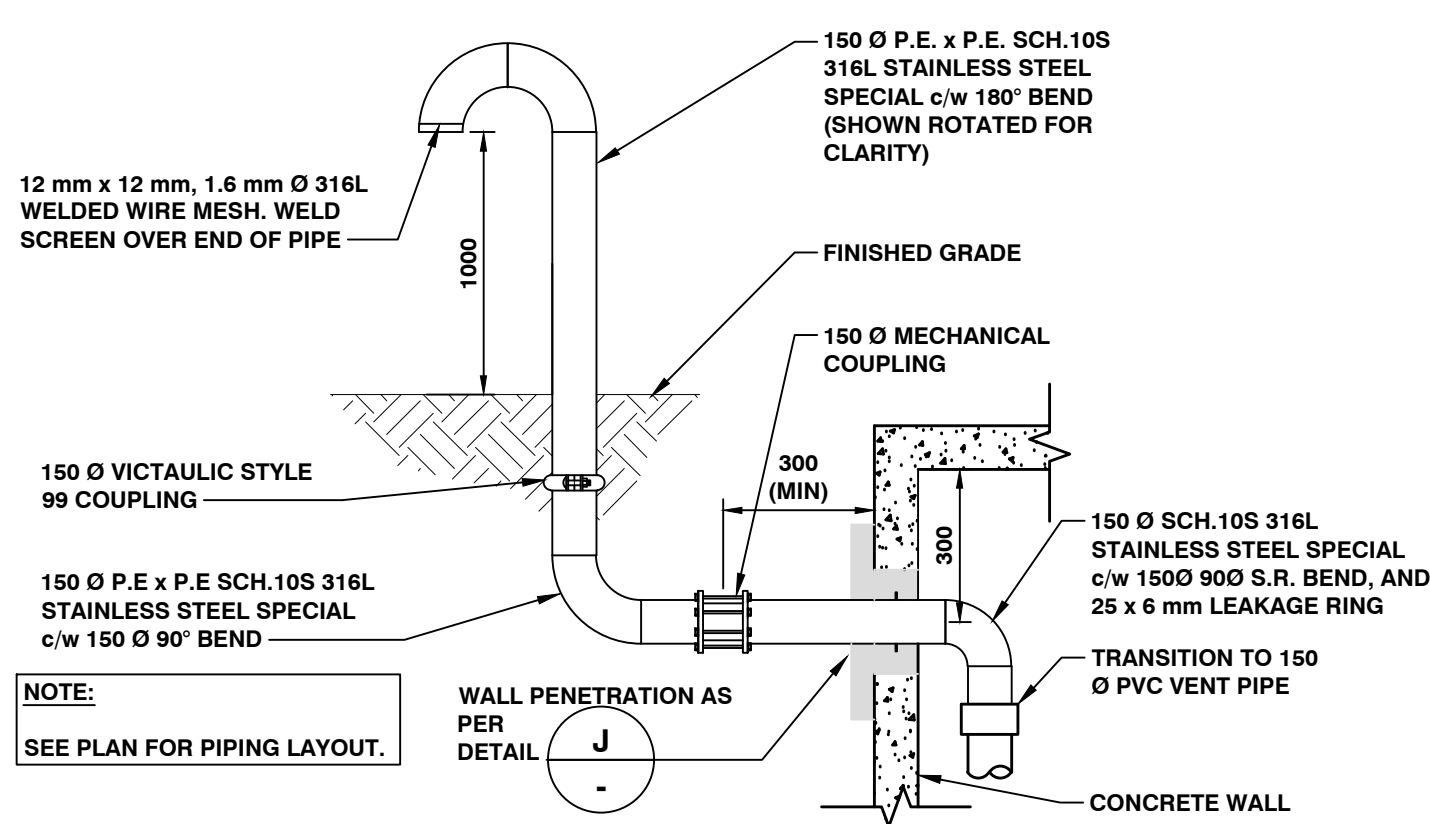
INSTRUMENTATION RACK - DETAIL
N.T.S.



LINK SEAL PENETRATION - DETAIL
N.T.S.



GROUTED PENETRATION - DETAIL
N.T.S.



VENTILATION GOOSENECK - DETAIL
N.T.S.

kwl KERR WOOD LEIDAL
consulting engineers

Rev	Date	Des	Dwn	Chk	Description	Rev	Date	Des	Dwn	Chk	Description
A	2018-06-20	TMAH	CCS	KM	ISSUED FOR 50% CLIENT REVIEW						
B	2018-12-14	TMAH	CKT		ISSUED FOR 90% CLIENT REVIEW						

TOWN OF GIBSONS			
2019 PROWSE LIFT STATION UPGRADES			
PROWSE ROAD LIFT STATION STANDARD DETAILS			
Project No.	2132.028B	Drawing No.	
Group	MECHANICAL		

M1501 B