

STREETS OF WEST PRYOR
FOR
SOUTH POND IMPROVEMENTS
LEE'S SUMMIT, MO

UTILITIES
Electric Service
Evergy
Nathan Michael
913-347-4310
Nathan.michael@evergy.com

Gas Service
Spire
Katie Darnell
816-969-2247
Katie.darnell@spireenergy.com

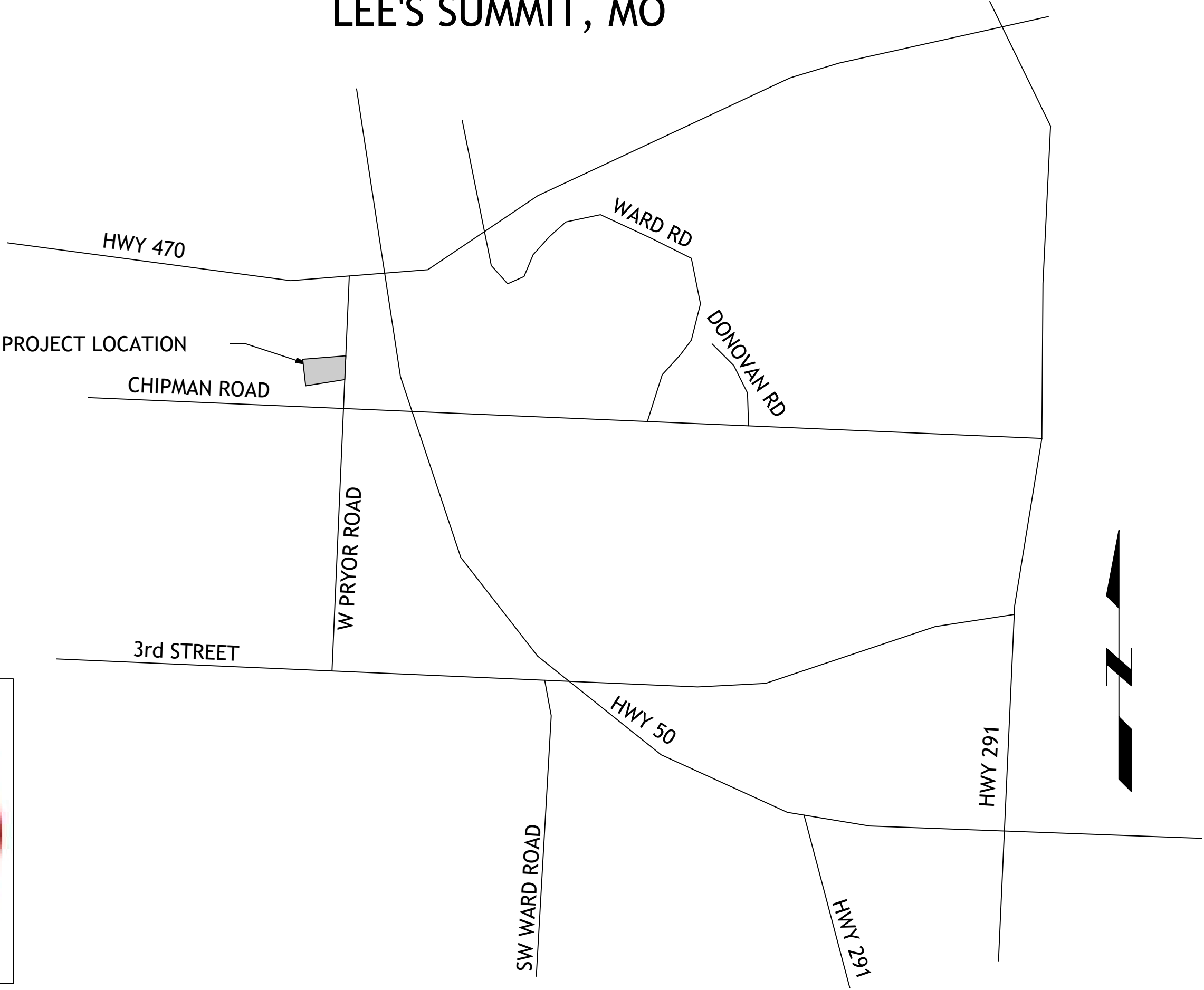
Water/Sanitary Sewer
Water Utilities Department
1200 SE Hamblen Road
Lee's Summit, Mo 64081
Jeff Thorn
816-969-1900
jeff.thorn@cityofls.net

Communication Service
AT&T Carrie Cilke
816-703-4386
cc3527@att.com

Time Warner Cable
Steve Baxter
913-643-1928
steve.baxter@charter.com

Comcast
Ryan Alkire
816-795-2218
ryan.alkire@cable.comcast.com

Google Fiber
Becky Davis
913-725-8745
rebeccadavis@google.com



LOCATION MAP

INDEX OF SHEETS

- C-1 COVER SHEET
- C-2 POND IMPROVEMENTS
- F1.00-F6.00 FOUNTAIN AND WATERFALL IMPROVEMENTS
- E1 FOUNTAIN CONTROL PANEL

UTILITY STATEMENT:

THE UNDERGROUND UTILITIES SHOWN HEREON ARE FROM FIELD SURVEY INFORMATION OF ONE-CALL LOCATED UTILITIES, FIELD SURVEY INFORMATION OF ABOVE GROUND OBSERVABLE EVIDENCE, AND/OR THE SCALING AND PLOTTING OF EXISTING UTILITY MAPS AND DRAWINGS AVAILABLE TO THE SURVEYOR AT THE TIME OF SURVEY. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHERMORE, THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES BY EXCAVATION UNLESS OTHERWISE NOTED ON THIS SURVEY.

SAFETY NOTICE TO CONTRACTOR

IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICE, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

WARRANTY/DISCLAIMER

THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENEDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER SM ENGINEERING NOR ITS PERSONNEL CAN OR DO WARRANTY THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT IN THE SPECIFIC CASES WHERE SM ENGINEERING PERSONNEL INSPECT AND CONTROL THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.

CAUTION- NOTICE TO CONTRACTOR

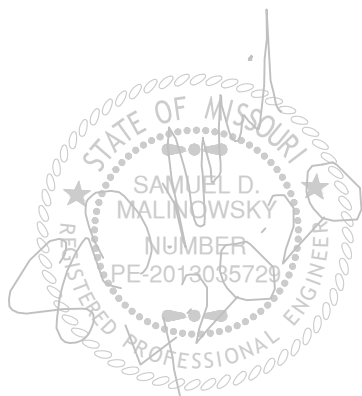
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.

ALL EXISTING TOPOGRAPHIC DATA AND INFRASTRUCTURE IMPROVEMENTS SHOWN BASED ON INFORMATION BY KAW VALLEY ENGINEERING

BENCHMARKS:

#1 CHISELED "SQUARE" ON TOP OF CURB POINT OF INTERSECTION OF WEST PARK PARKING LOT AT EAST DRIVE ENTRANCE
ELEVATION 985.05

#2 CHISELED "SQUARE" ON NORTHWEST CORNER AREA INLET, 25' EAST OF CURB LINE AND ON-LINE WITH SOUTH CURB OF LOWENSTEIN DRIVE AT 90° BEND IN ROAD
ELEVATION 971.06



SAMUEL D. MALINOWSKY
PROFESSIONAL ENGINEER

DEVELOPER
SWP III, LLC
C/O DRAKE DEVELOPMENT, LLC
7200 W 132nd ST, SUITE 150
OVERLAND PARK, KS 66213
913-662-2630

ENGINEER

SM ENGINEERING
SAM MALINOWSKY
5507 HIGH MEADOW CIRCLE
MANHATTAN KANSAS, 66503
SMCIVILENGR@GMAIL.COM
785.341.9747

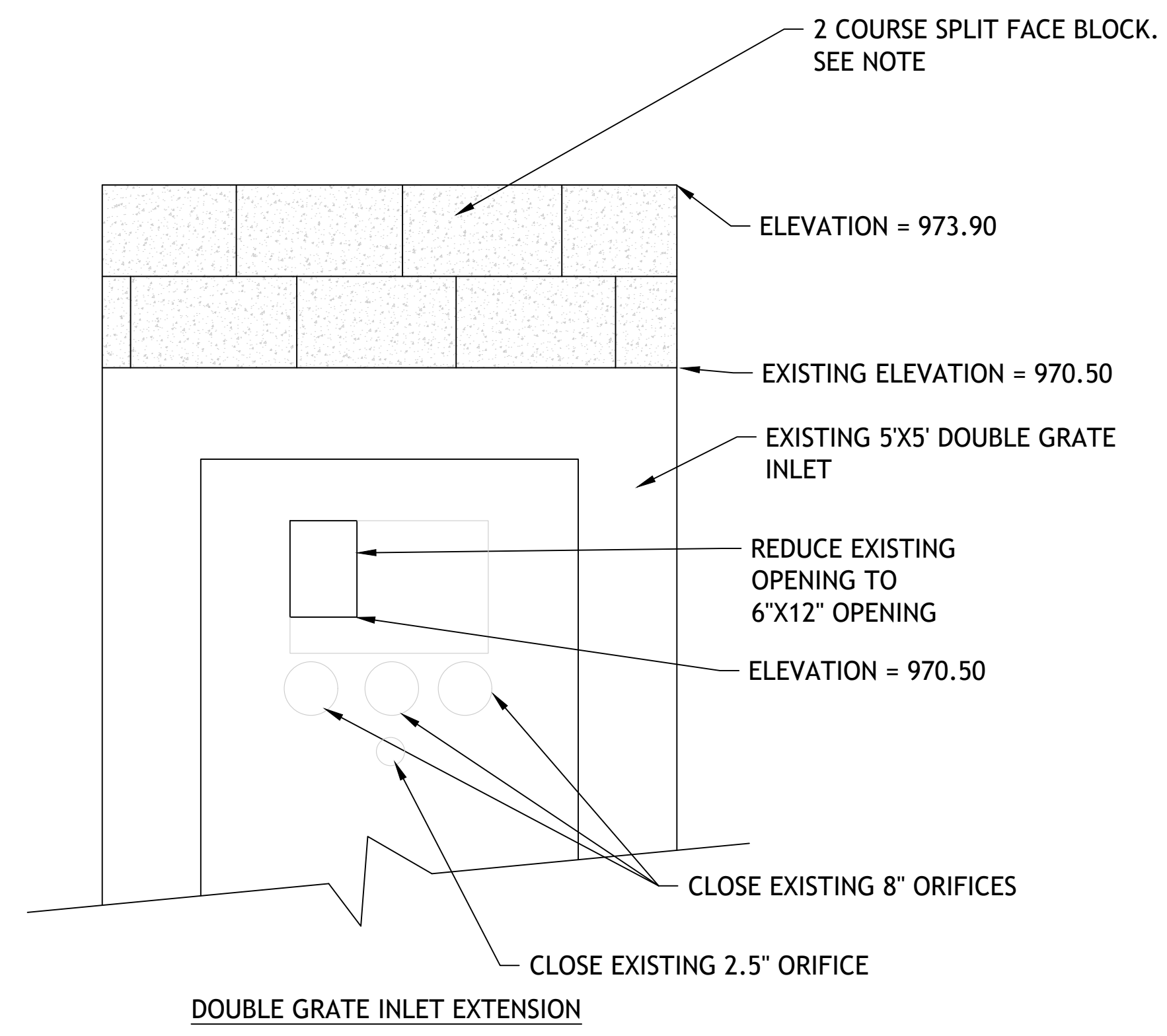
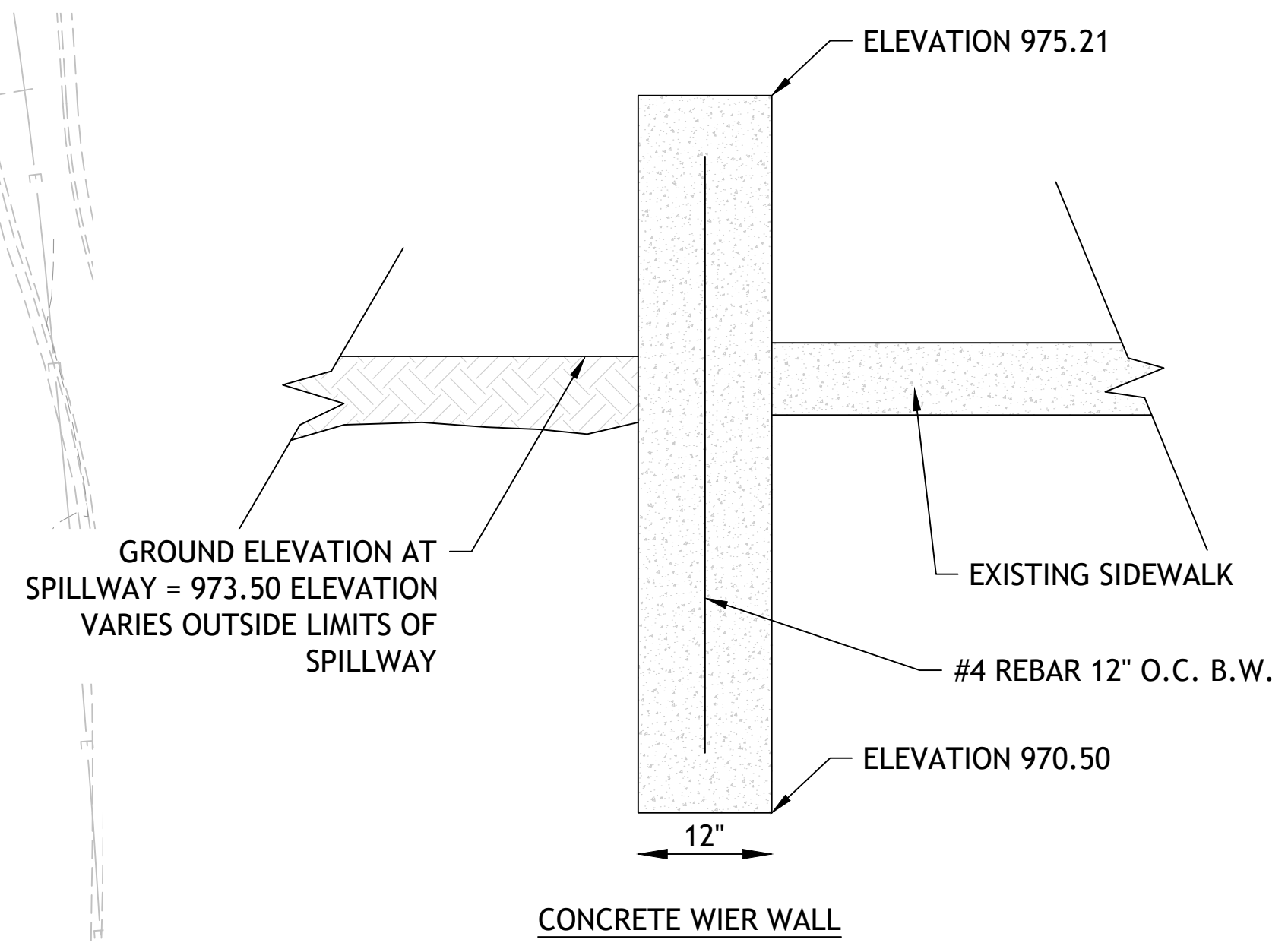
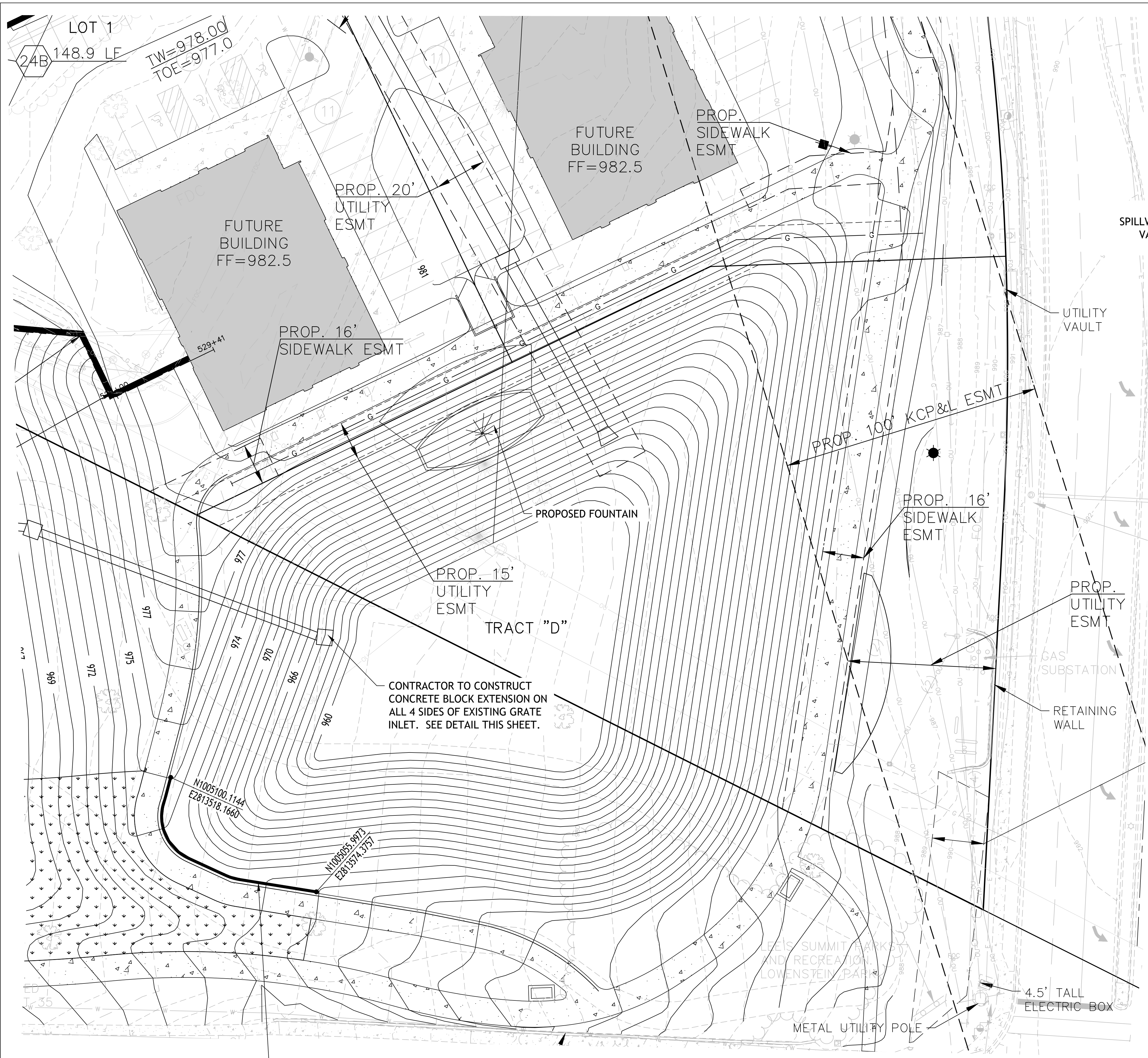
SM Engineering
5507 High Meadow Circle
Manhattan Kansas, 66503
smcivilengr@gmail.com
785.341.9747

Drawings and/or Specifications are original proprietary work and property of the Engineer and intended specifically for this project. Use of items contained herein without consent of the Engineer is prohibited. Drawings illustrate best information available to the Engineer. Field verification of actual elements, conditions, and dimensions is required.

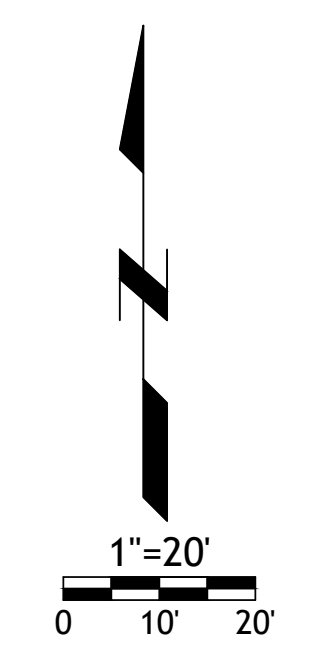
Revisions

STREETS OF WEST PRYOR
LEE'S SUMMIT, MISSOURI

s h e e t
C1.0
Civil
COVER SHEET
permit
20 APRIL 2020

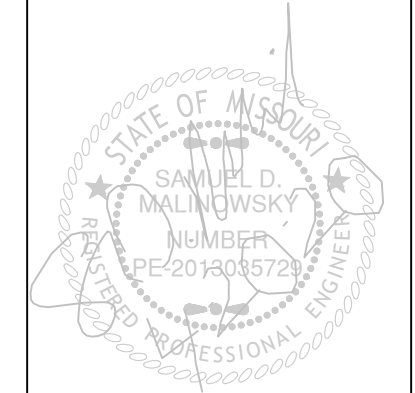


PLACE 2 COURSES ON SPLIT FACE BLOCK ON ALL 4 SIDES OF EXISTING STRUCTURE. ADJUST MORTAR JOINT AS REQUIRED TO ACHIEVE TOP ELEVATION. BLOCK TO BE INTEGRALLY COLORED, WITH COLOR SELECTED BY OWNER. #4 REBAR VERTICAL IN EACH CELL GROUTED FULL. REBAR SHALL BE IMBEDDED INTO EXISTING STRUCTURE A MINIMUM OF 4" WITH EPOXY. TOP COUSE SHALL BE BOND BEAM SHAPE. GROUT SOLID WITH CEMENT WASH ON TOP. MORTAR COLOR TO MATCH CMU.



SM Engineering
SME
5507 High Meadow Circle
Manhattan Kansas, 66503
smcivilengr@gmail.com
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Revisions

STREETS OF WEST PRYOR
LEES SUMMIT, MISSOURI

sheet
C2.0
Civil
POND IMPROVEMENTS
permit
20 APRIL 2020

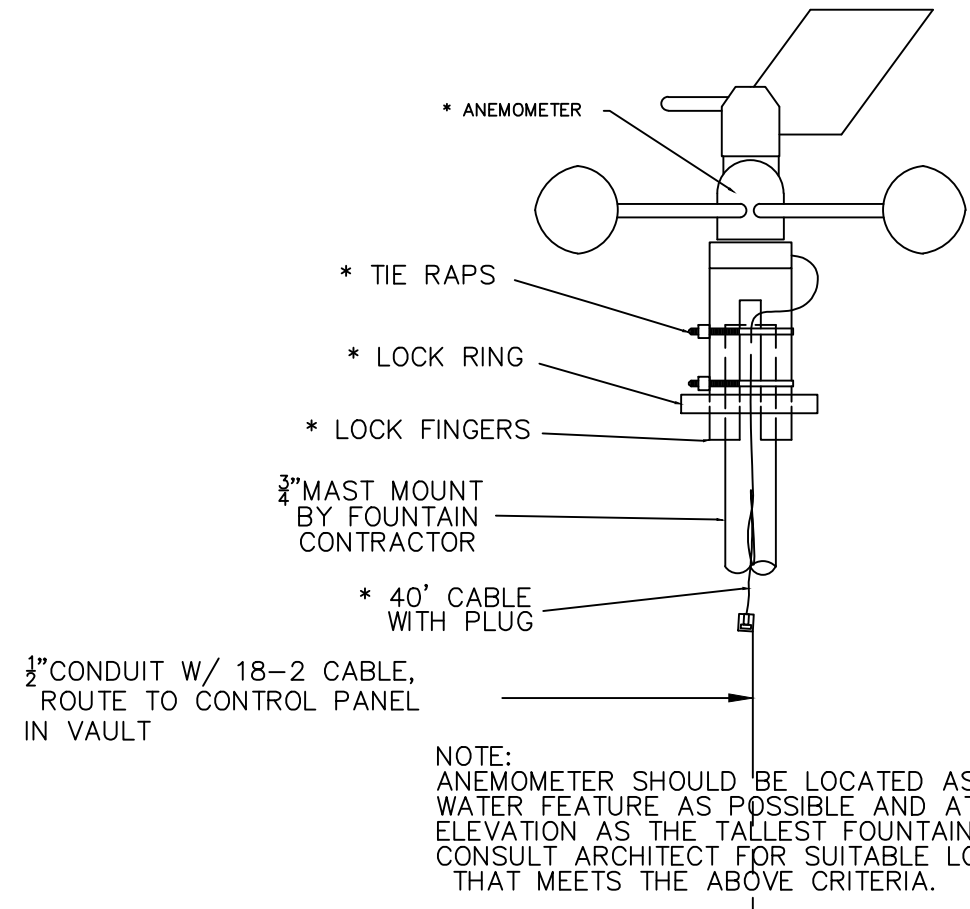
WEST PRYOR
FOUNTAIN AND WATERFALL



1228 SOUTH 8TH ST., ST. LOUIS, MO., 314-231-9806

REVISION DATE:	BY:
DATE:	04-06-2020
SCALE:	SHOWN
DRAWN:	D.E.H.
JOB:	15239
SHEET:	F1.00
OF 6 SHEETS	

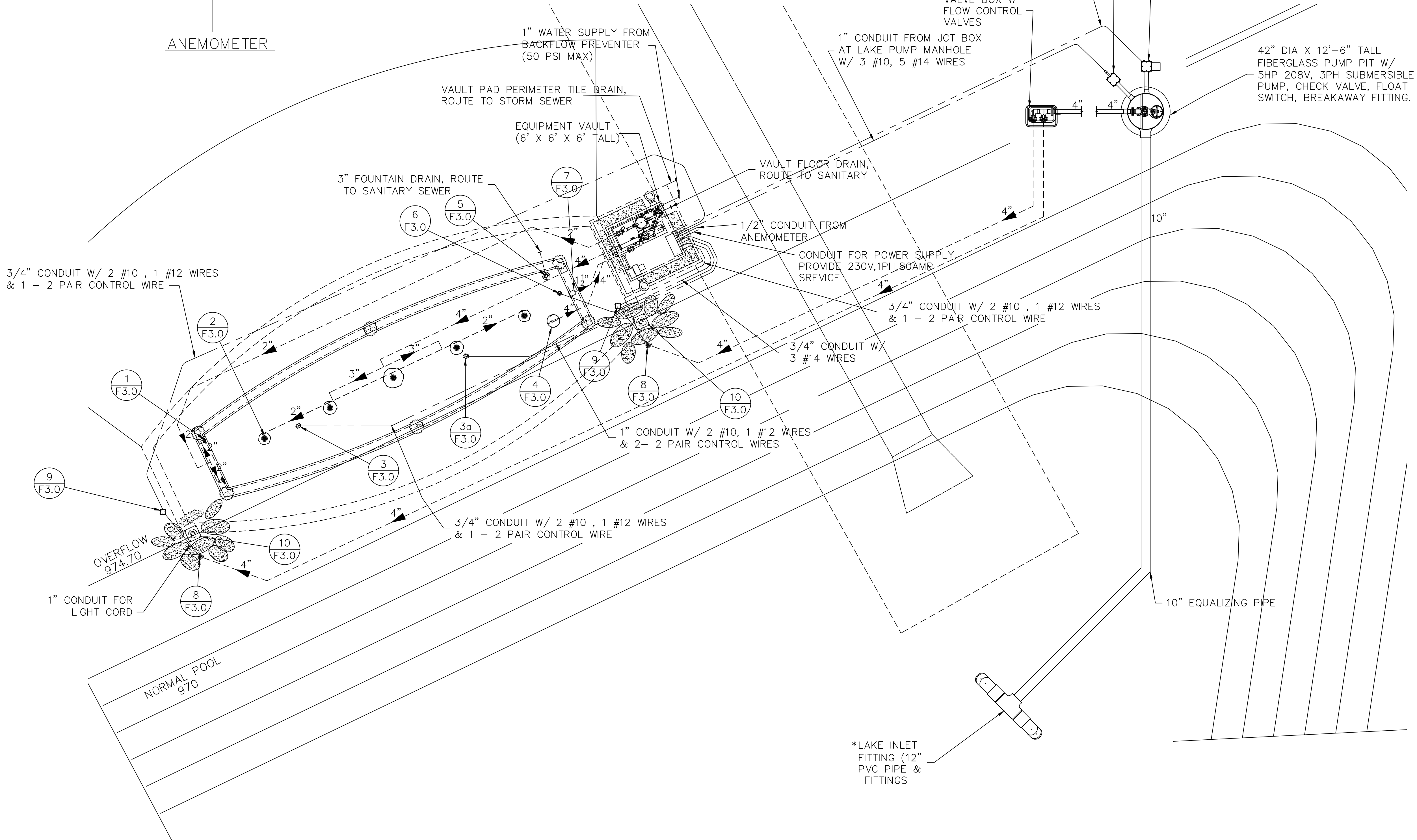
DET.	QTY.	P/N	DESCRIPTION
1\F3.0	2	* EF150/WSC	EYEBALL INLET W/ 2" WATER STOP COUPLING
2\F3.0	5	UL316RW-NIL100	24VDC/24W LED RGBW LIGHT AND NOZZLE ASSEMBLY
3\F3.0	1	* EBJ-204	JCT BOX W/ 3/4" STUB-UP, CORD SEALS (2) AND POTTING COMPOUND
3a\F3.0	1	* EBJ-208	JCT BOX W/ 1" STUB-UP, CORD SEALS (3) AND POTTING COMPOUND
4\F3.0	1	* HDAVF15S4	FIBERGLASS SUMP, WITH 15" STAINLESS STEEL ANTI-VORTEX PLATE (4" OUTLET)
5\F3.0	1	* DOA-300	3" OVERFLOW STANDPIPE AND DRAIN FITTING
6\F3.0	1	* ESG-300	CONDUIT MOUNT LEVEL SENSOR WITH FITTINGS
7\F3.0	1	* SV-SKIM	BLACK PLASTIC SKIMMER W/ S.S. FACE PLATE (FRONT REMOVABLE BASKET)
8\F3.0	2	* UL316-27	24VDC/27W LED RGBW LIGHT W/ 10' CORD & TRIPOD STAND
9\F3.0	2	* PVCJCTBOX	GRADE LEVEL PVC JUNCTION BOX
10\F3.0	2	* O400WSC/DP	4" PVC WATER STOP COUPLING W/ 15" STAINLESS STEEL DIVERTER PLATE



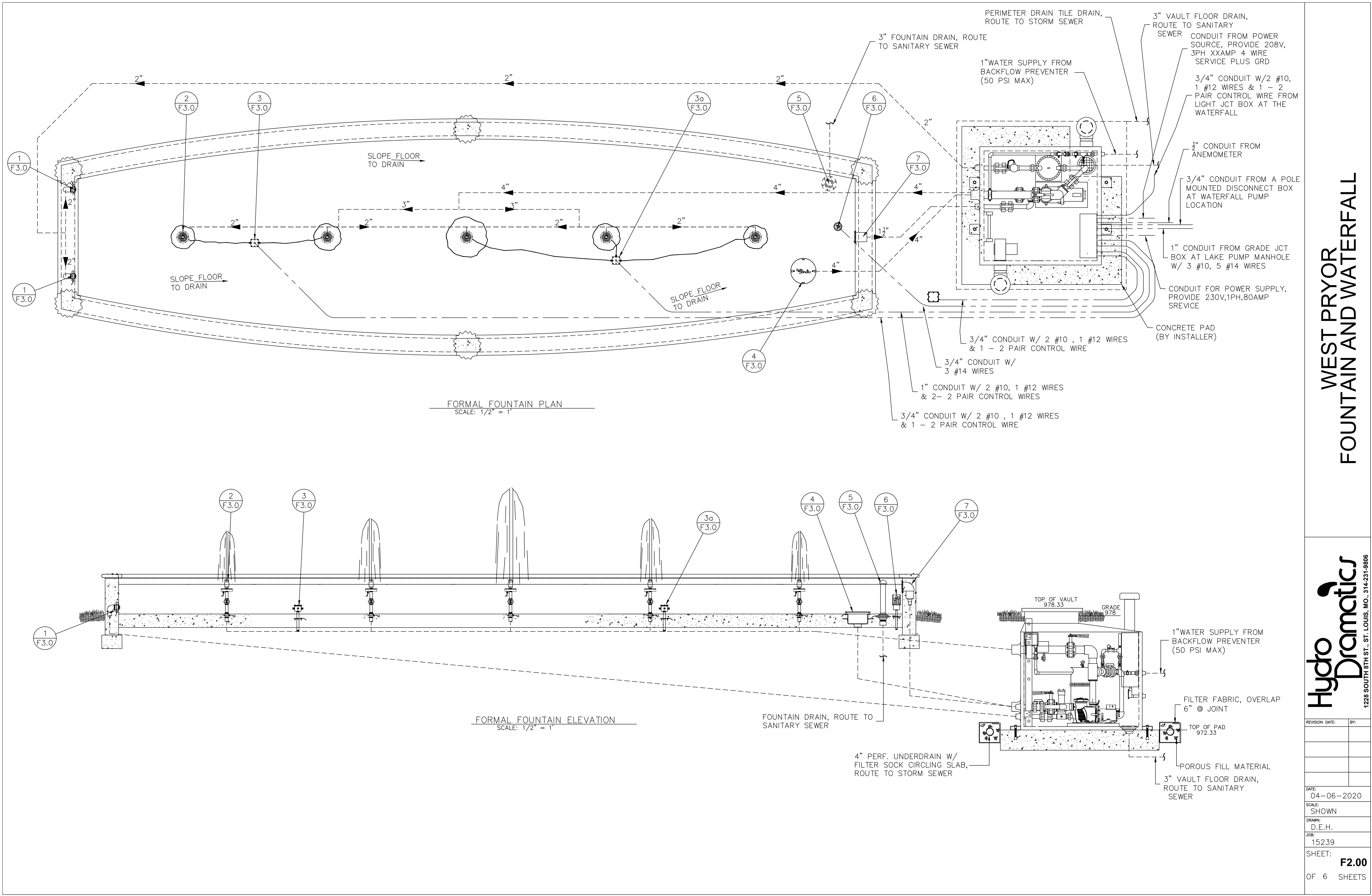
NOTE:
ANEMOMETER SHOULD BE LOCATED AS CLOSE TO WATER FEATURE AS POSSIBLE AND AT THE SAME ELEVATION AS THE TALLEST FOUNTAIN OF WATER. CONSULT ARCHITECT FOR SUITABLE LOCATION THAT MEETS THE ABOVE CRITERIA.

1/2\"/>

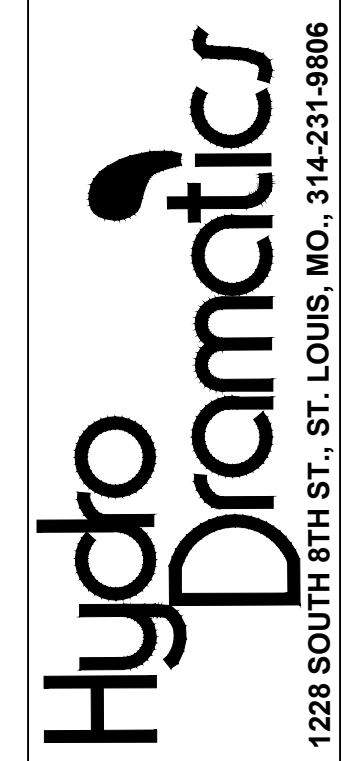
ANEMOMETER



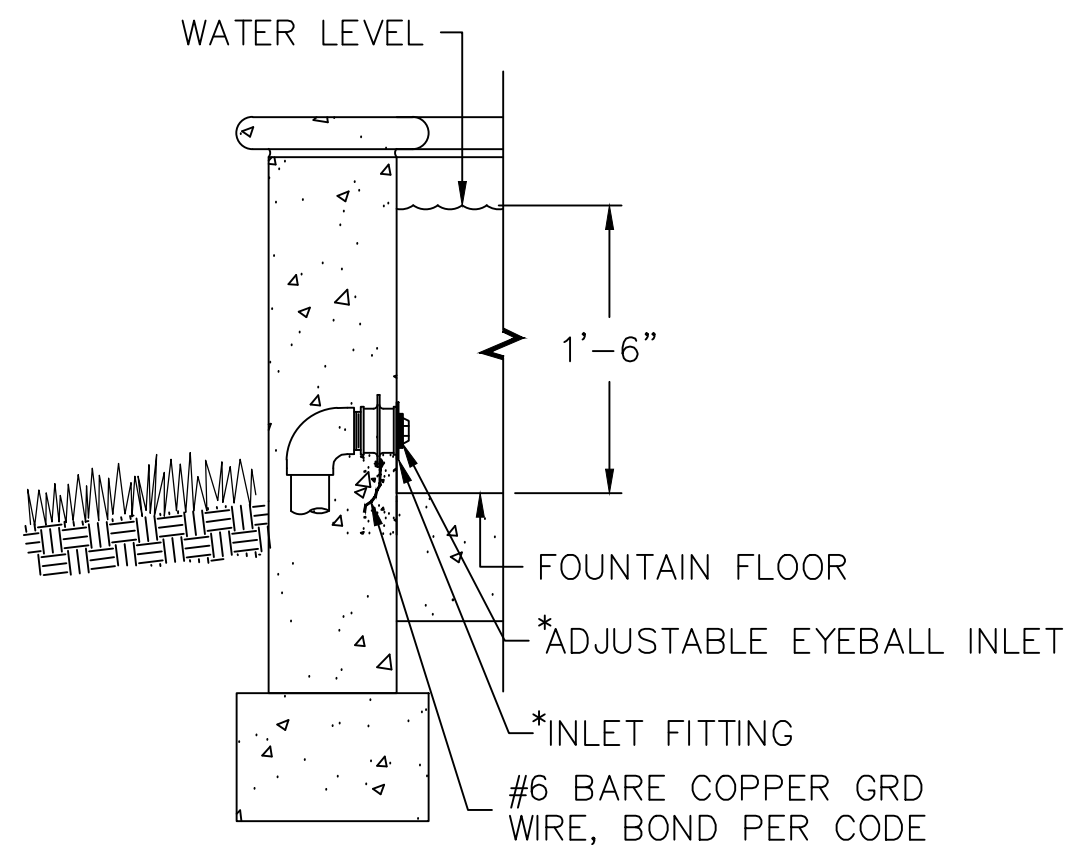
FOUNTAIN AND WATER FALL PLAN
SCALE: 3/16" = 1'



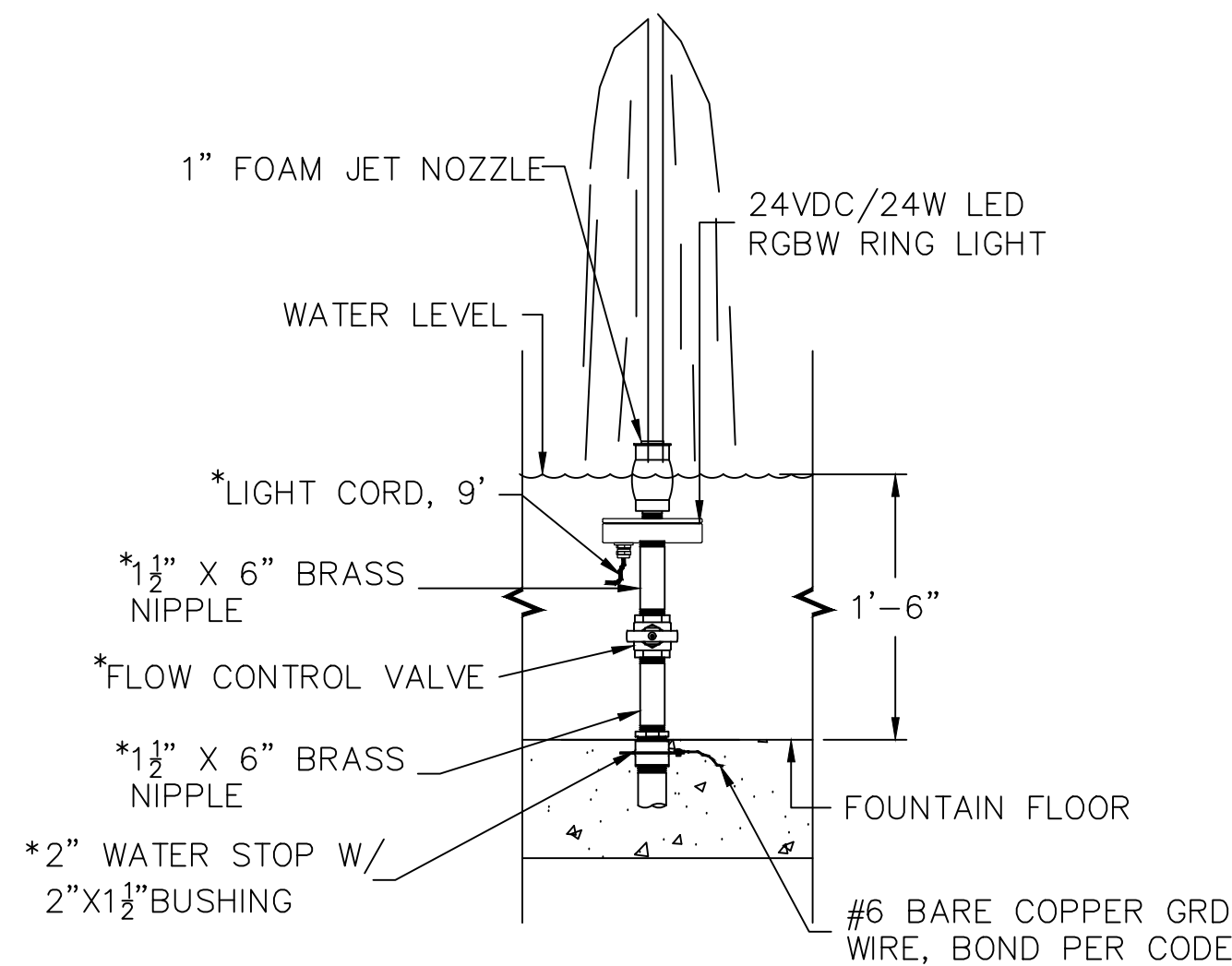
WEST PRYOR
FOUNTAIN AND WATERFALL



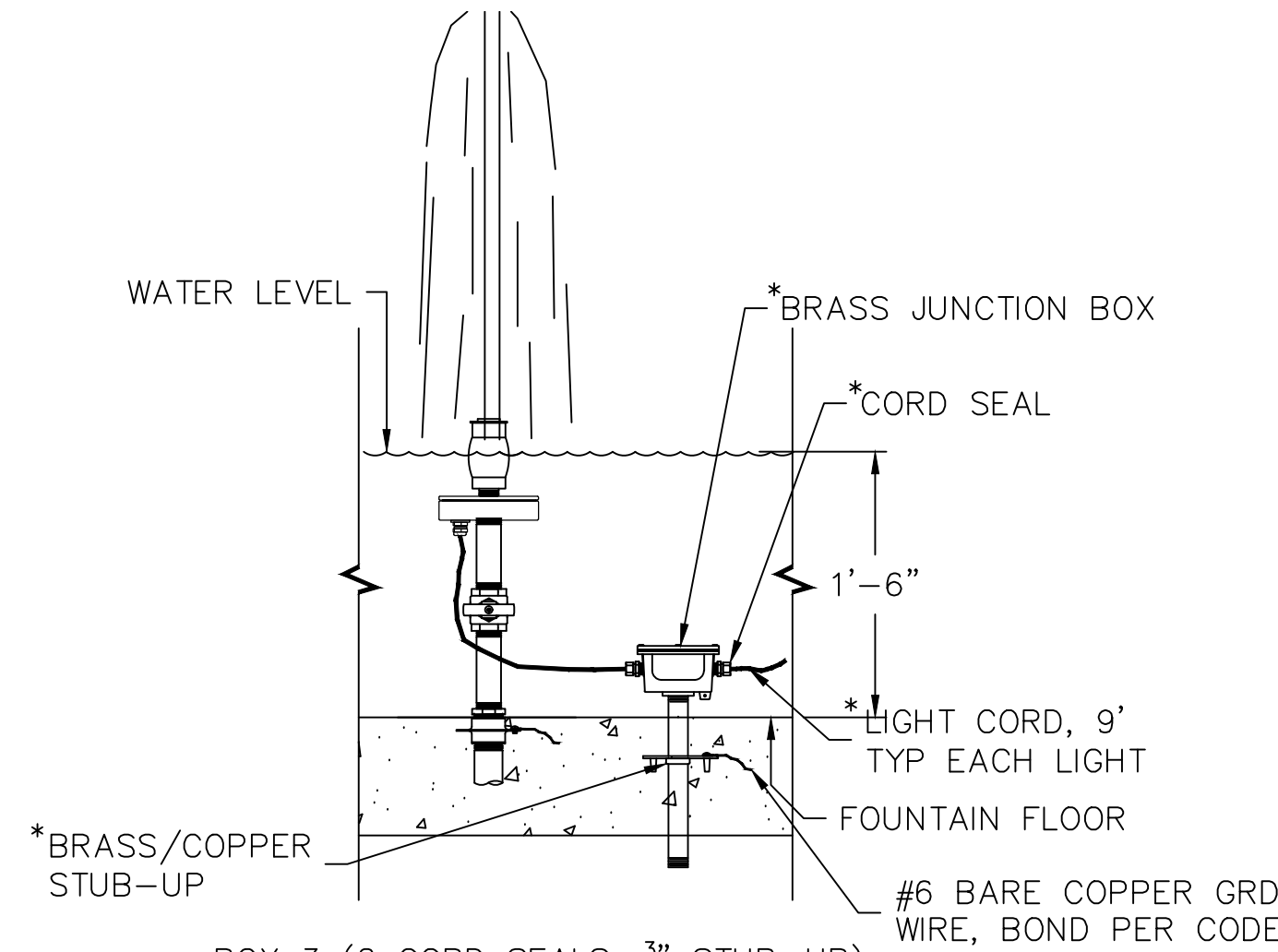
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OF 6 SHEETS	



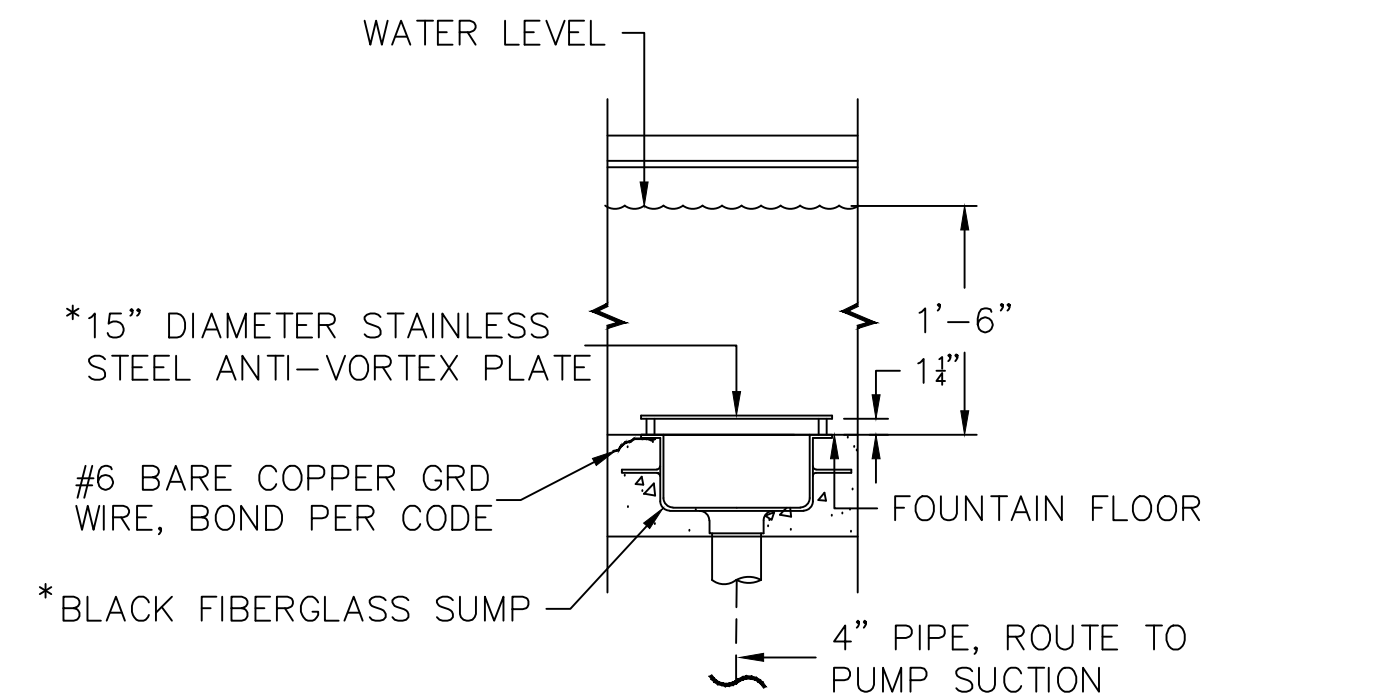
1 EYEBALL INLET W/ WATER STOP
F3.0 SCALE: 1" = 1'



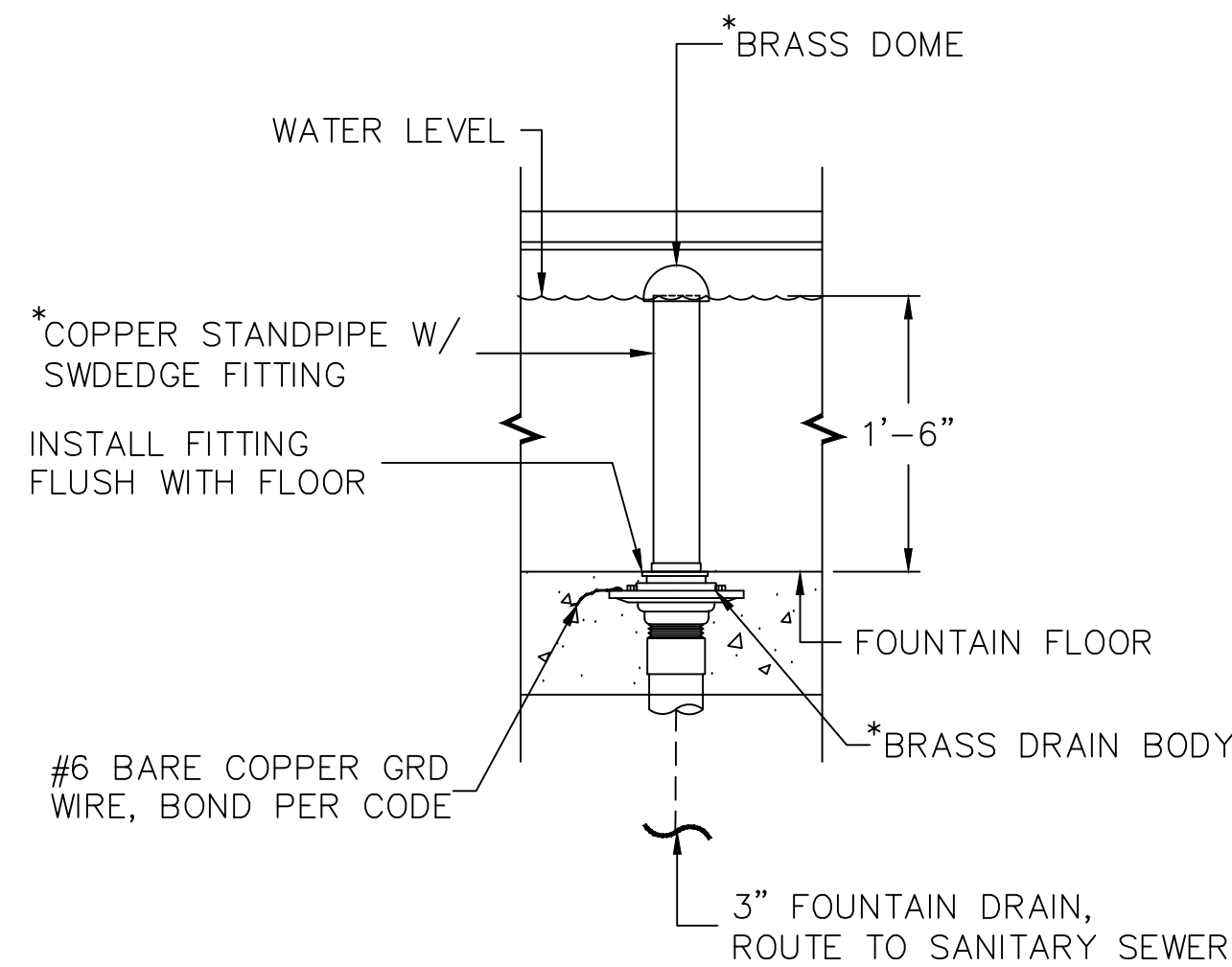
2 LED LIGHT & NOZZLE ASSEMBLY
F3.0 SCALE: 1" = 1'



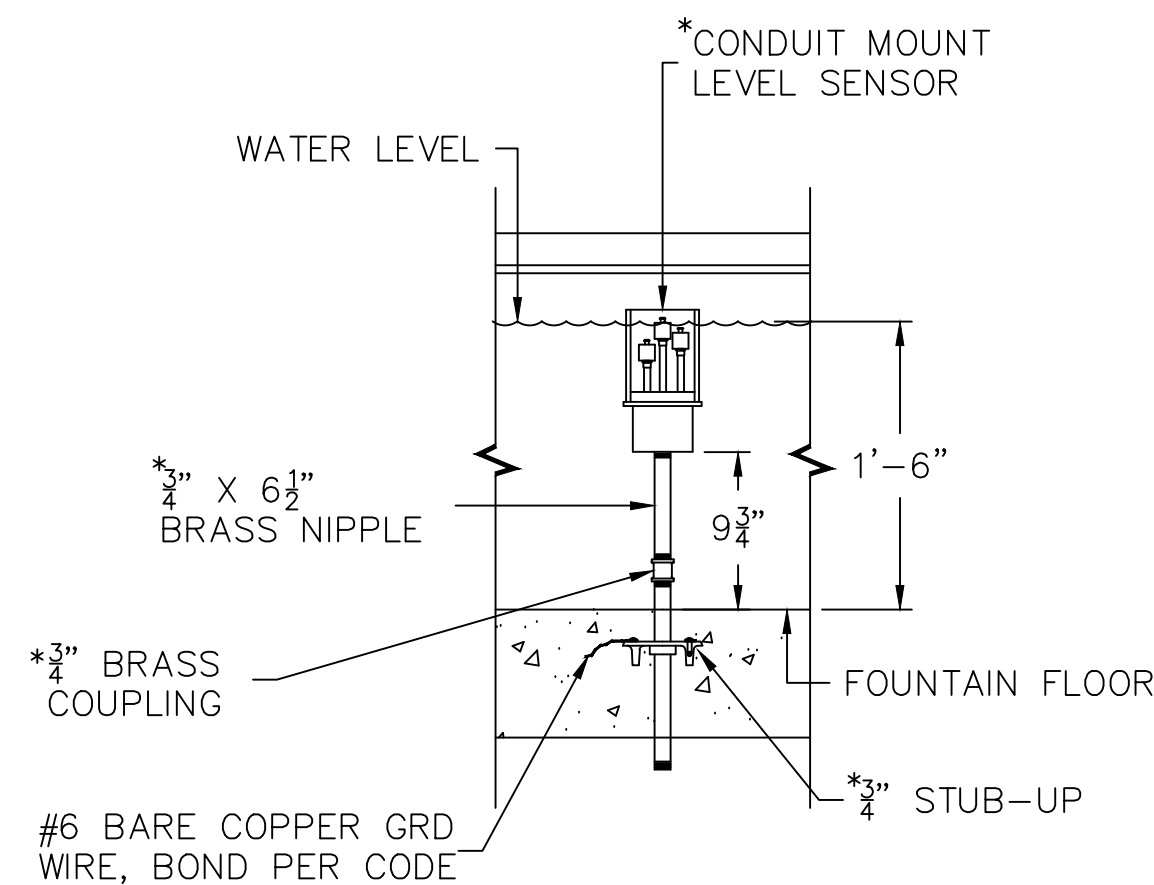
3 JUNCTION BOX & STUB-UP
F3.0 F3.0 SCALE: 1" = 1'



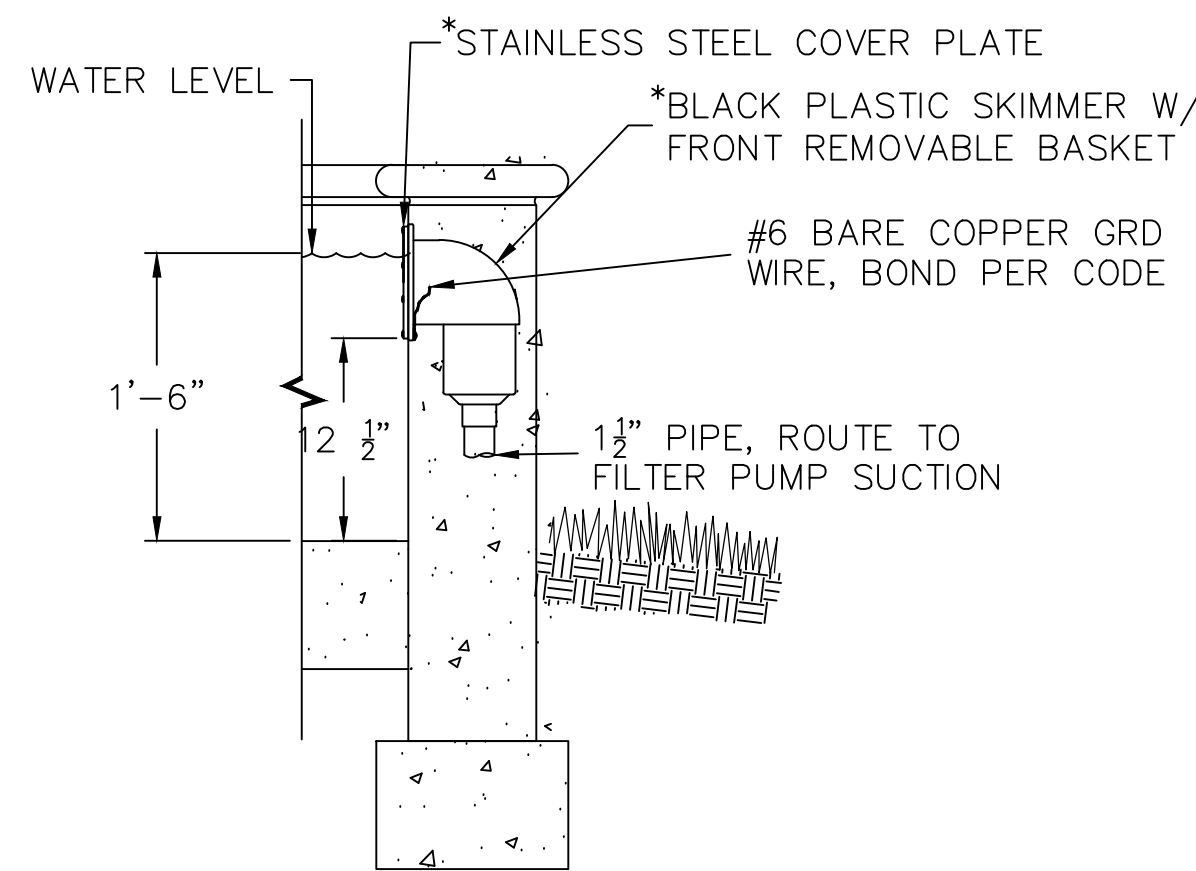
4 FIBERGLASS SUMP W/ S.S. ANTI-VORTEX PLATE
F3.0 SCALE: 1" = 1'



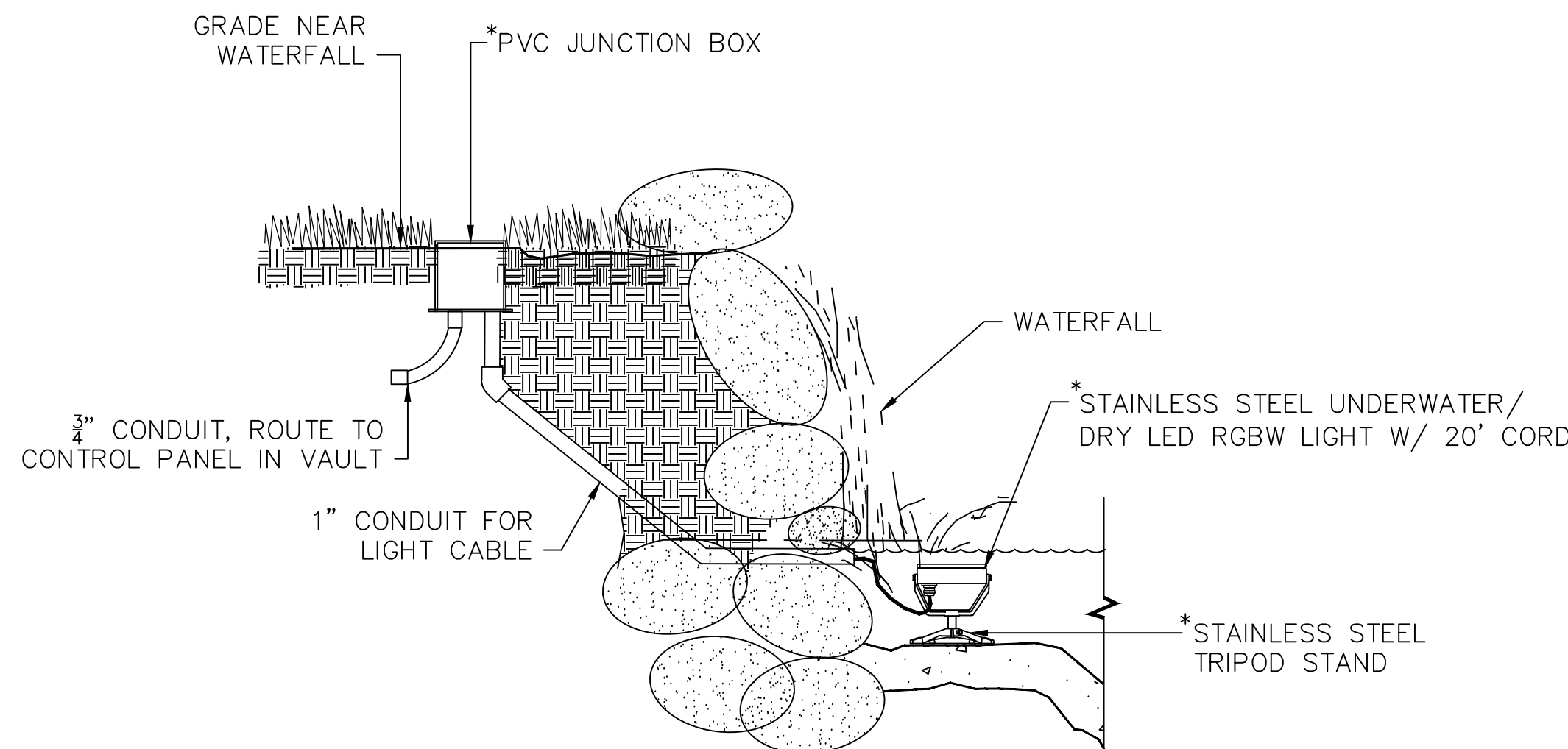
5 OVERFLOW STANDPIPE & DRAIN FITTING
F3.0 SCALE: 1" = 1'



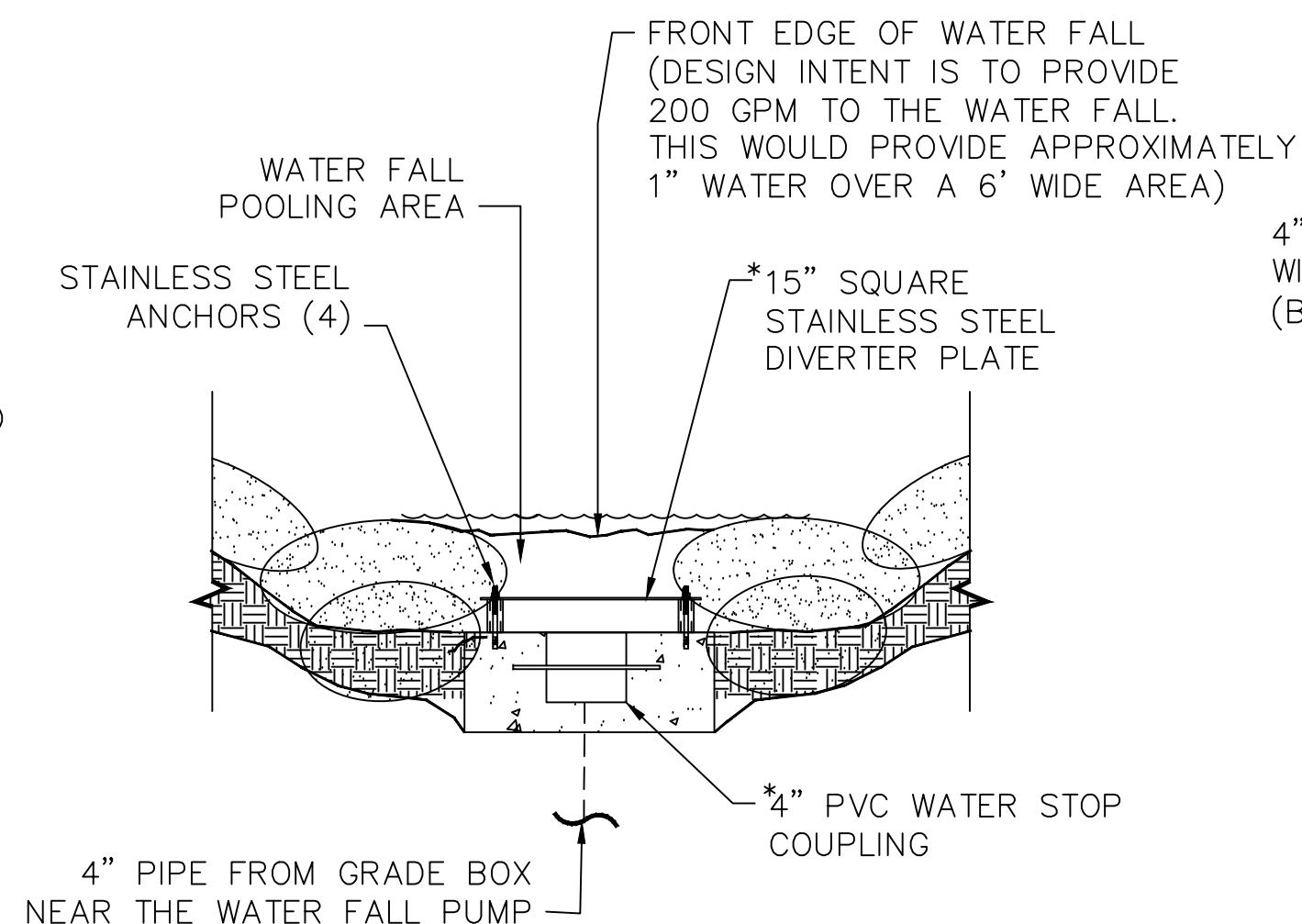
6 CONDUIT MOUNT LEVEL SENSOR
F3.0 SCALE: 1" = 1'



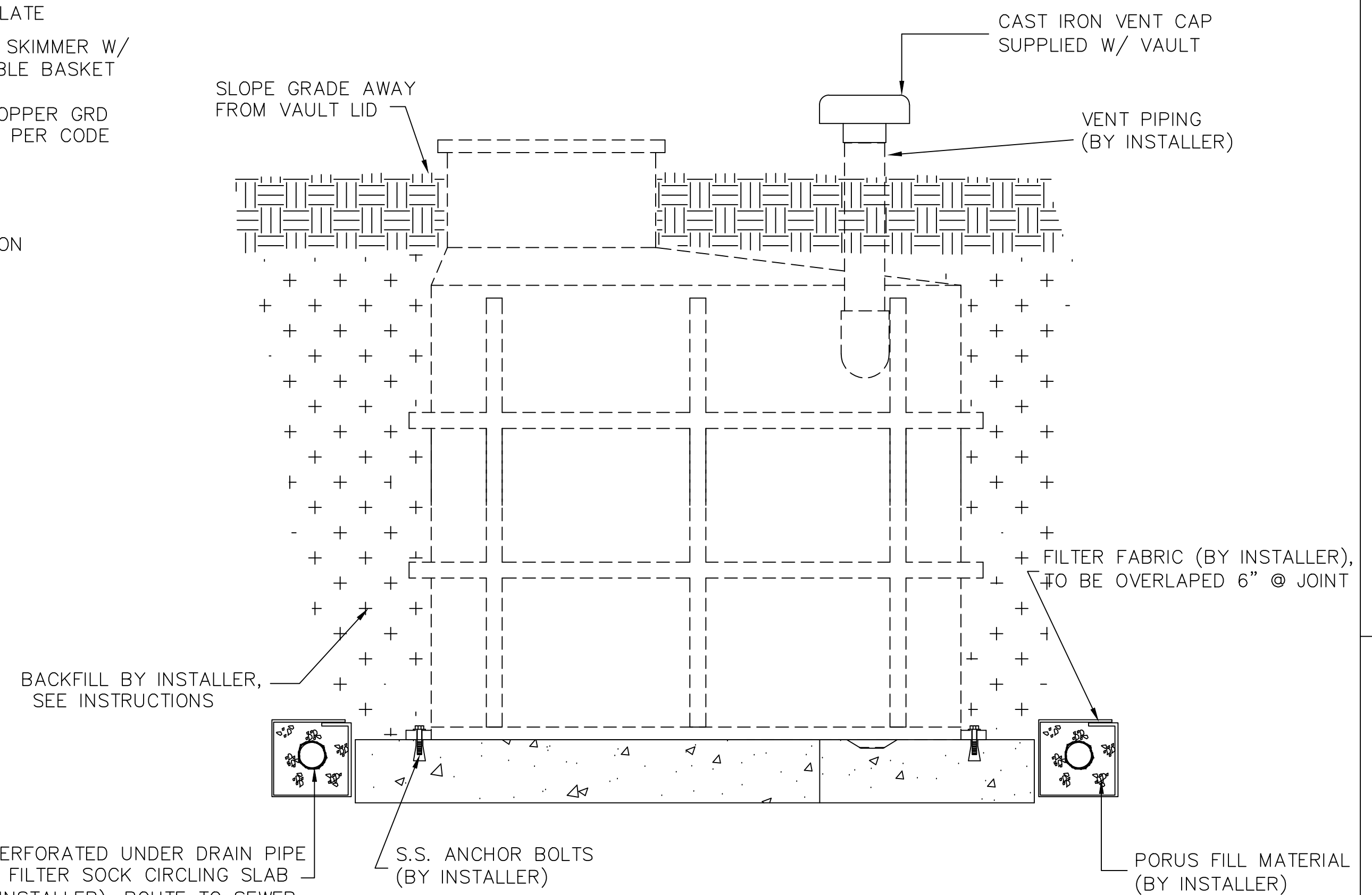
7 WALL SKIMMER W/ S.S. FACEPLATE
F3.0 SCALE: 1" = 1'



8 27W/24V RGBW LED LIGHT W/ TRIPOD
F3.0 F3.0 SCALE: 1" = 1'



9 15" STAINLESS STEEL DIVERTER PLATE
F3.0 SCALE: 1" = 1'



"HYDRO-Vault" INSTALLATION NOTES

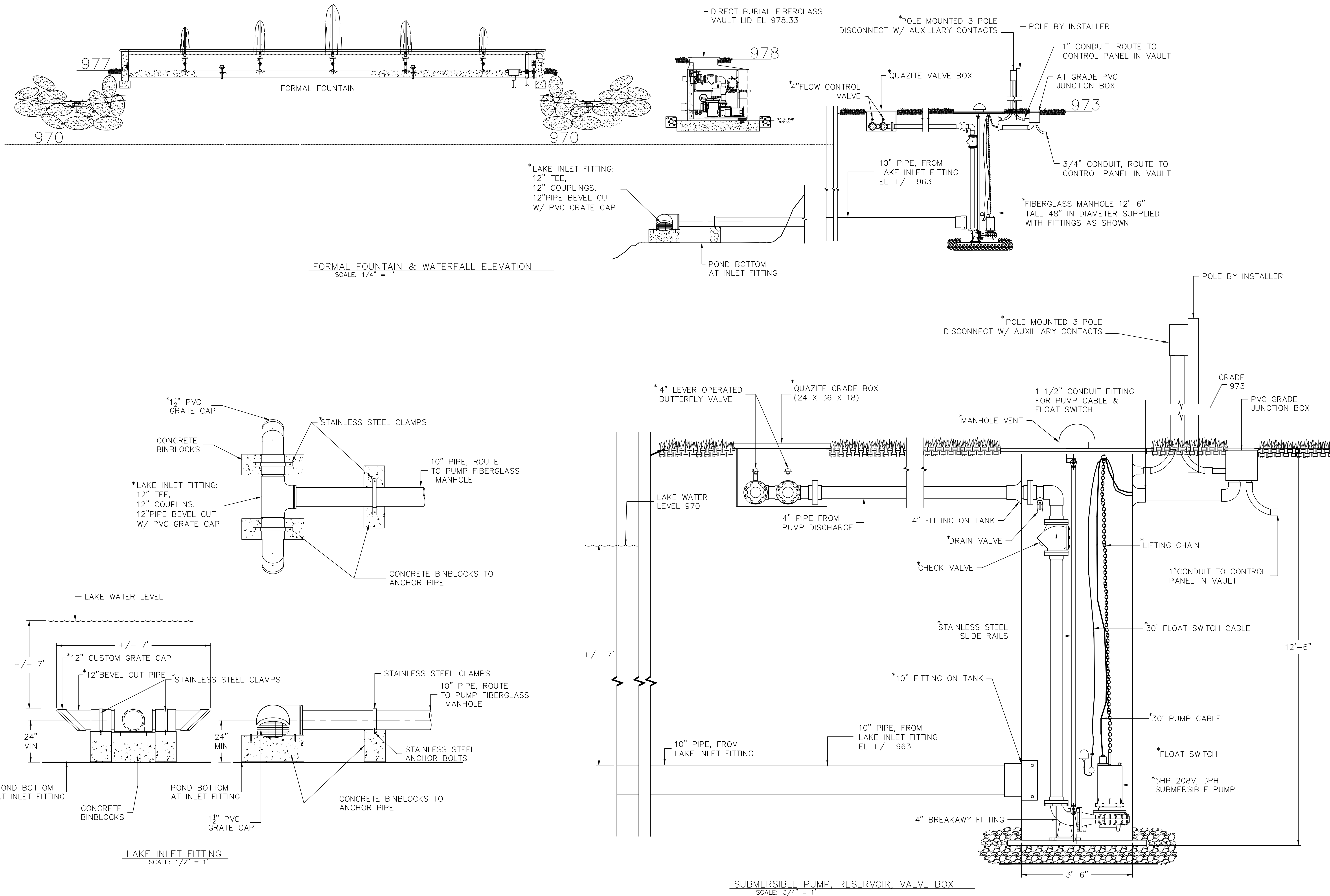
1. CHECK "HYDRO Vault" ON ARRIVAL FOR INTERIOR AND EXTERIOR SHIPPING DAMAGE.
2. STORE "HYDRO Vault" IN A DRY AREA. WATER WILL DAMAGE Vault ELECTRICAL EQUIPMENT.
3. PRECAUTIONS, BASED ON LOCAL CONDITIONS, MUST BE TAKEN TO PREVENT ANY MOVEMENT OF THE "HYDRO Vault".
4. PROVIDE ADEQUATE DRAINAGE TO REMOVE WATER FROM "HYDRO Vault" LOCATION. Vault MUST NOT STAND IN WATER.
5. PROVIDE ADEQUATE INTERIOR BRACING DURING BACKFILLING TO PREVENT DAMAGE TO FIBERGLASS SHELL.
6. EXTEND VENT PIPES TO AN ELEVATION THAT WILL PREVENT WATER FROM ENTERING.
7. INSTALL SCREEN WIRE OR OTHER MATERIAL ON VENT PIPES TO KEEP OUT VERMIN AND INSECTS.
8. USE ONLY NYLON STRAPPING FOR RIGGING. DO NOT USE CHAINS.
9. FOR BEDDING AND BACKFILL USE CLEAN PEA GRAVEL TYPE MATERIAL. A NATURALLY ROUNDED AGGREGATE OF 1/4" NOMINAL SIZE, RANGING FROM 1/8" TO 3/4" DIA., CLEAN AND FREE FLOWING. IF GRAVEL IS NOT AVAILABLE, CLEAN STONE CRUSHINGS 1/8" TO 1/2" DIA., CLEAN AND FREE FLOWING, MAY BE USED. FAILURE TO USE SPECIFIED BACKFILL MATERIAL WILL VOID WARRANTY.
10. NEVER TURN OFF ELECTRICITY TO "HYDRO Vault" EXCEPT WHEN MAINTENANCE IS REQUIRED. SUMP PUMP AND FAN SHOULD REMAIN OPERATIONAL AT ALL TIMES.
11. IMMEDIATELY UPON SETTING Vault, MAKE SURE THAT EXCAVATION DRAINS AWAY AND DOES NOT ENTER Vault.

HYDRO Vault SCALE: N.T.S.

WEST PRYOR FOUNTAIN AND WATERFALL



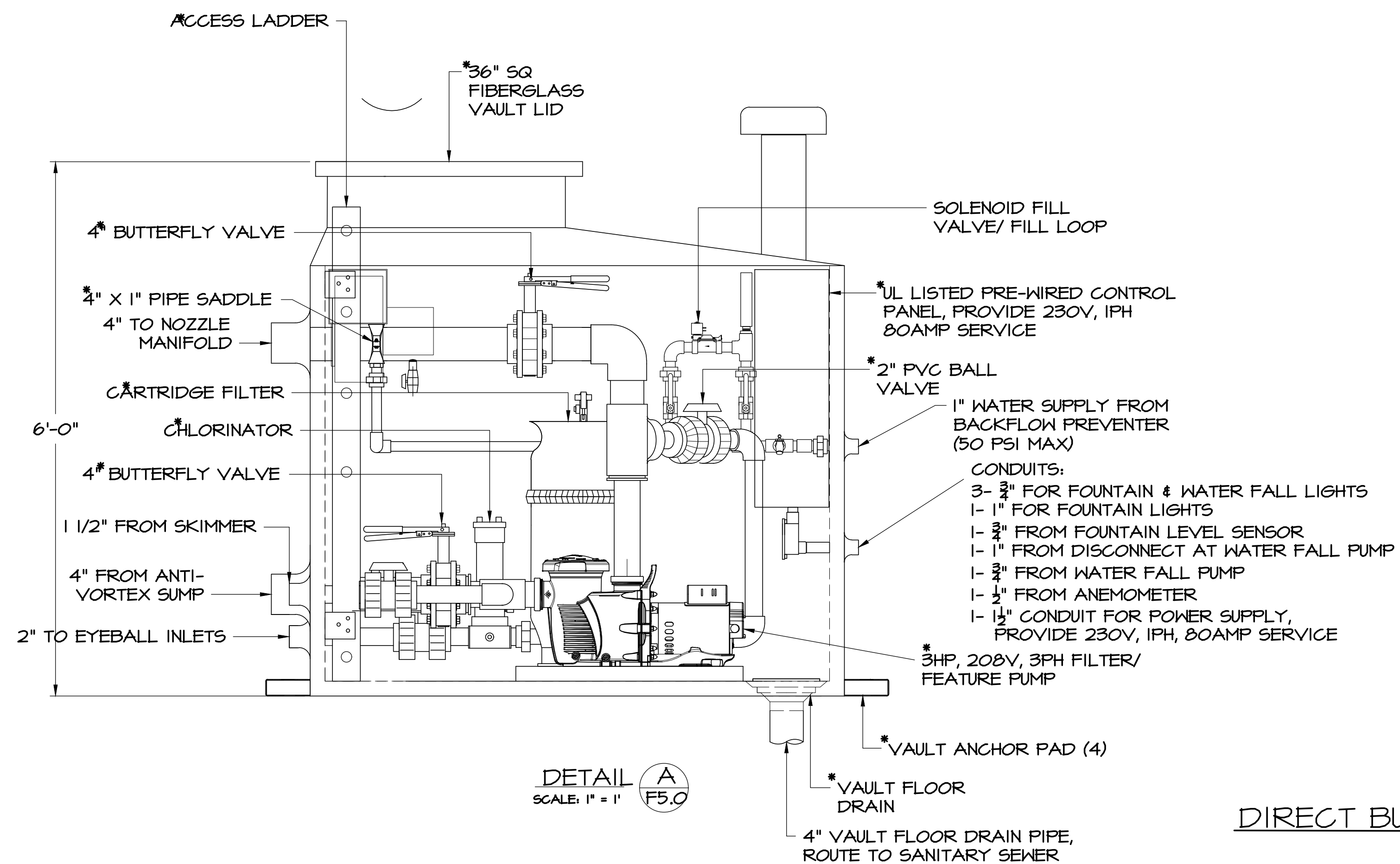
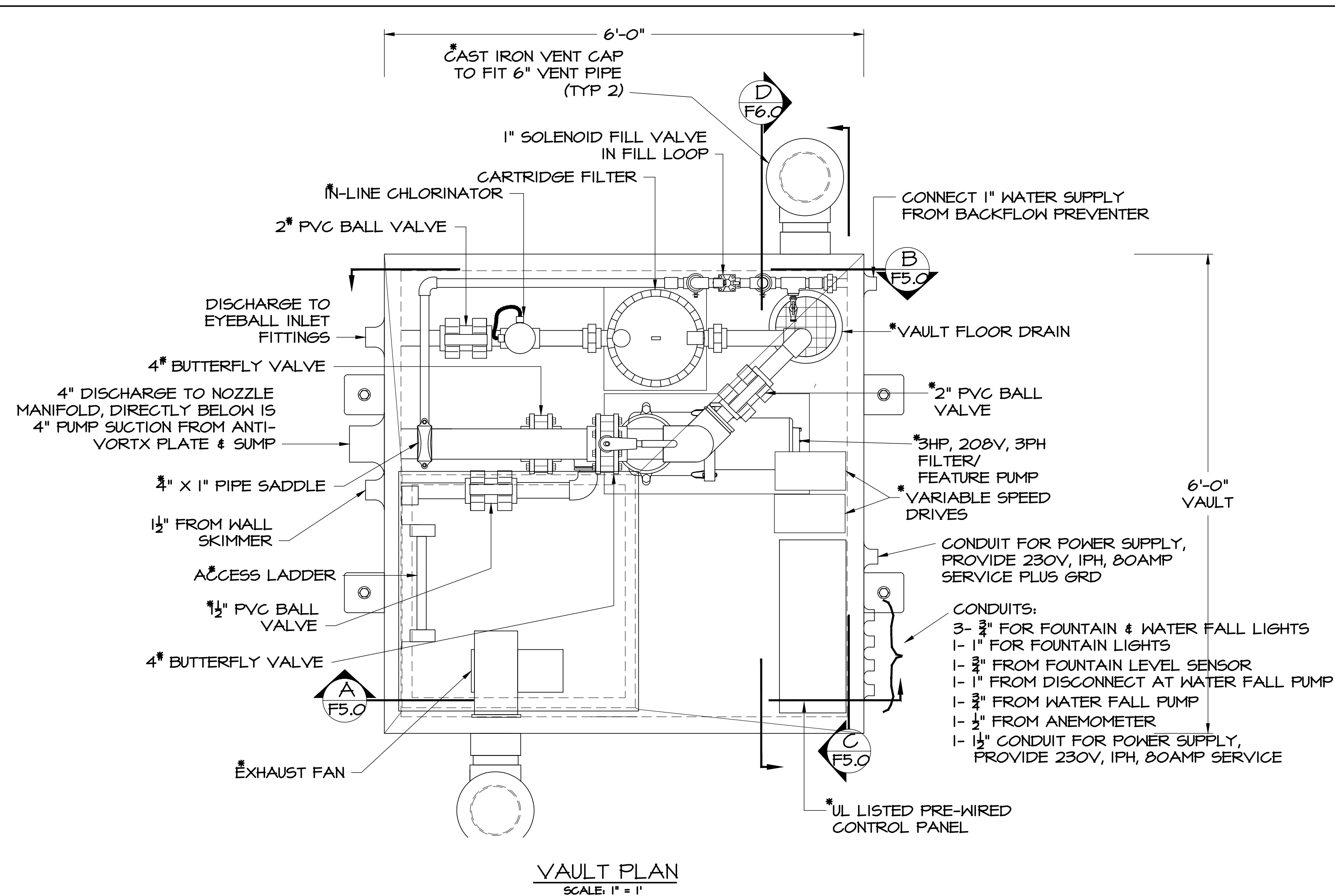
REVISION DATE:	BY:
04-06-2020	
SCALE:	SHOWN
DRAWN:	D.E.H.
JOB:	15239
SHEET:	F3.00
OF 6 SHEETS	



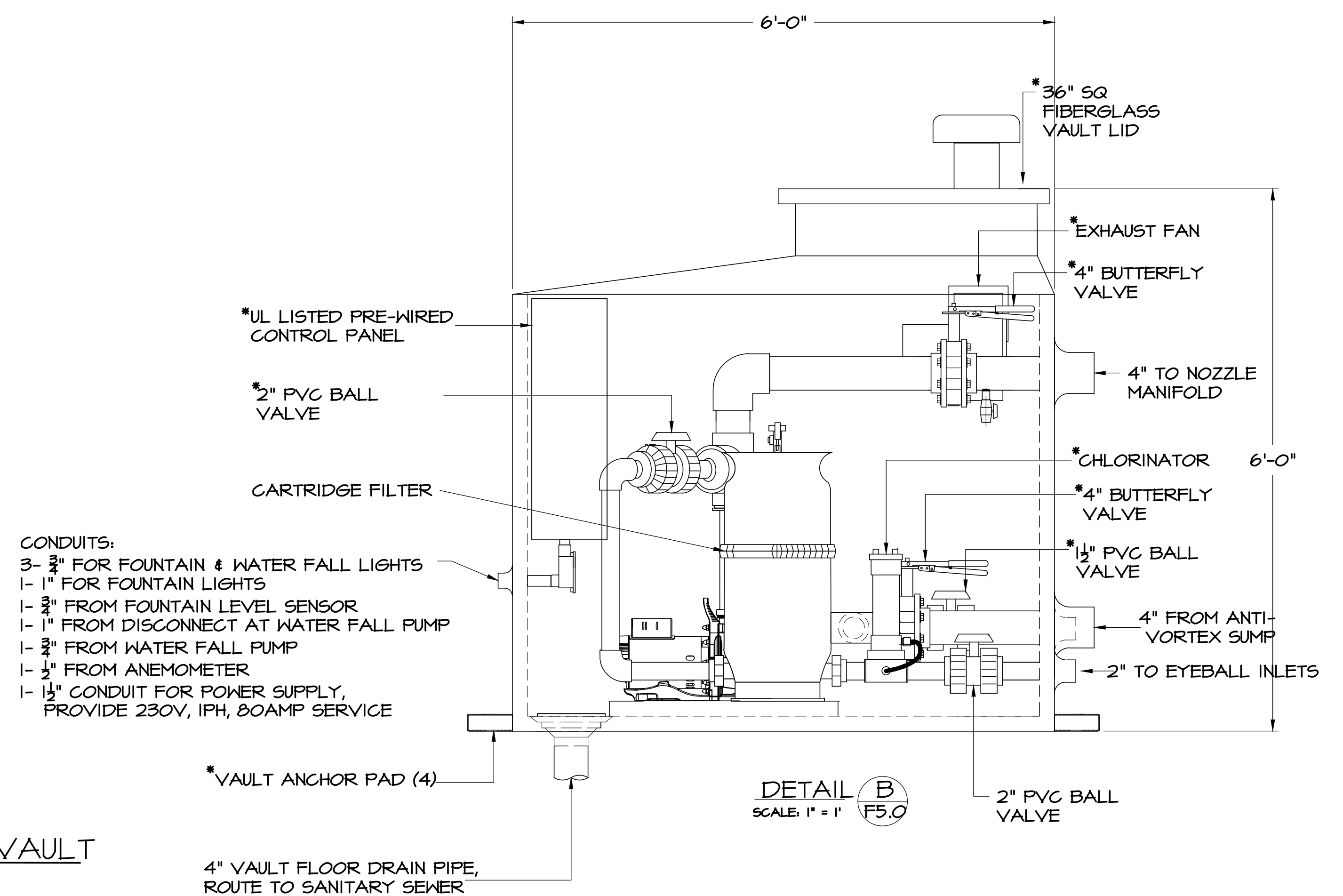
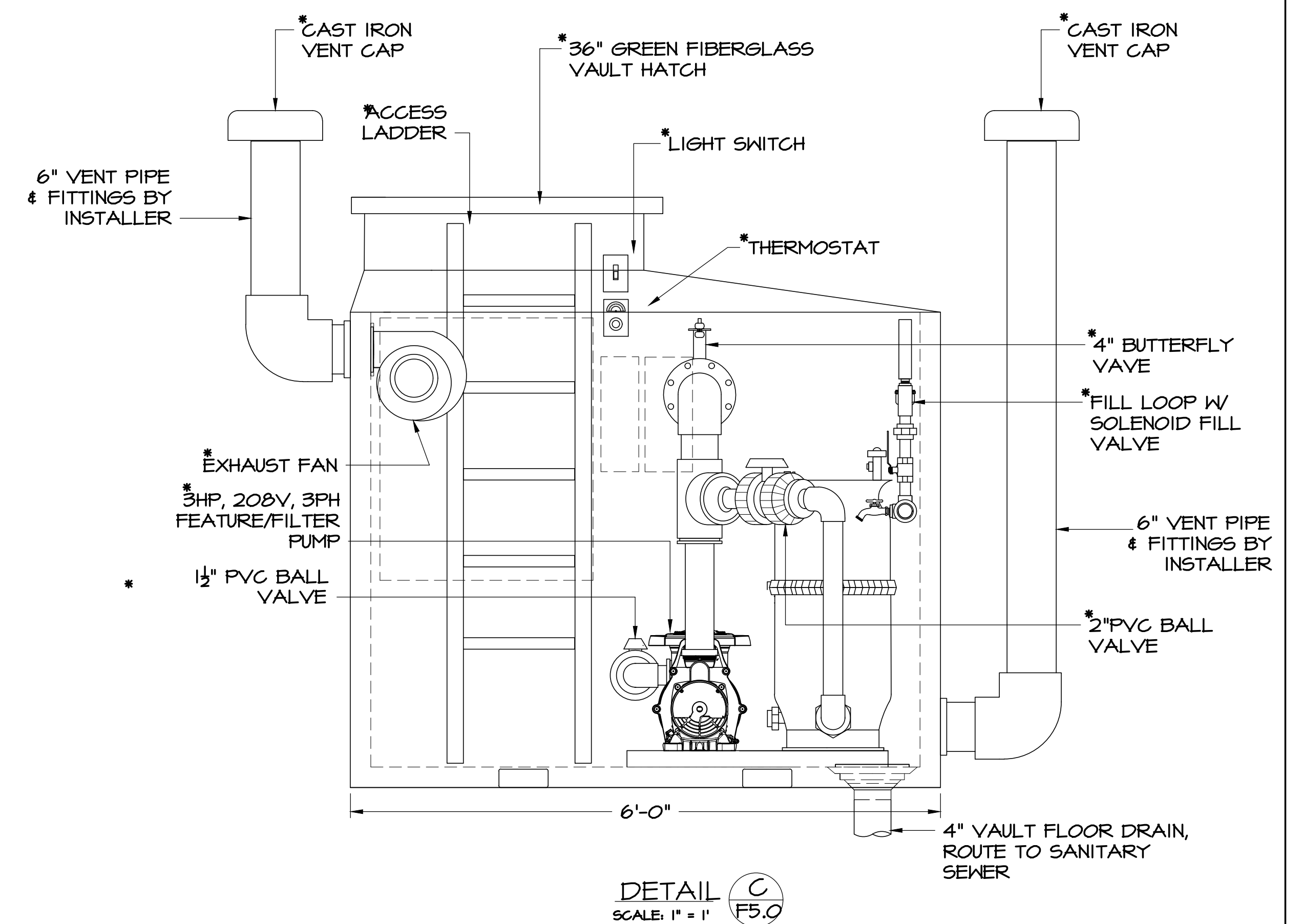
WEST PRYOR FOUNTAIN AND WATERFALL

Hydro Dramatics
1228 SOUTH 8TH ST., ST. LOUIS, MO., 314-231-9806

REVISION DATE:	BY:
DATE:	04-06-2020
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OF 6 SHEETS	



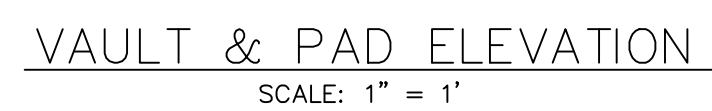
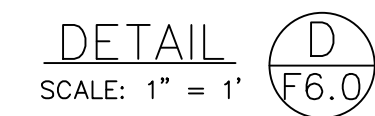
DIRECT BURIAL VAULT



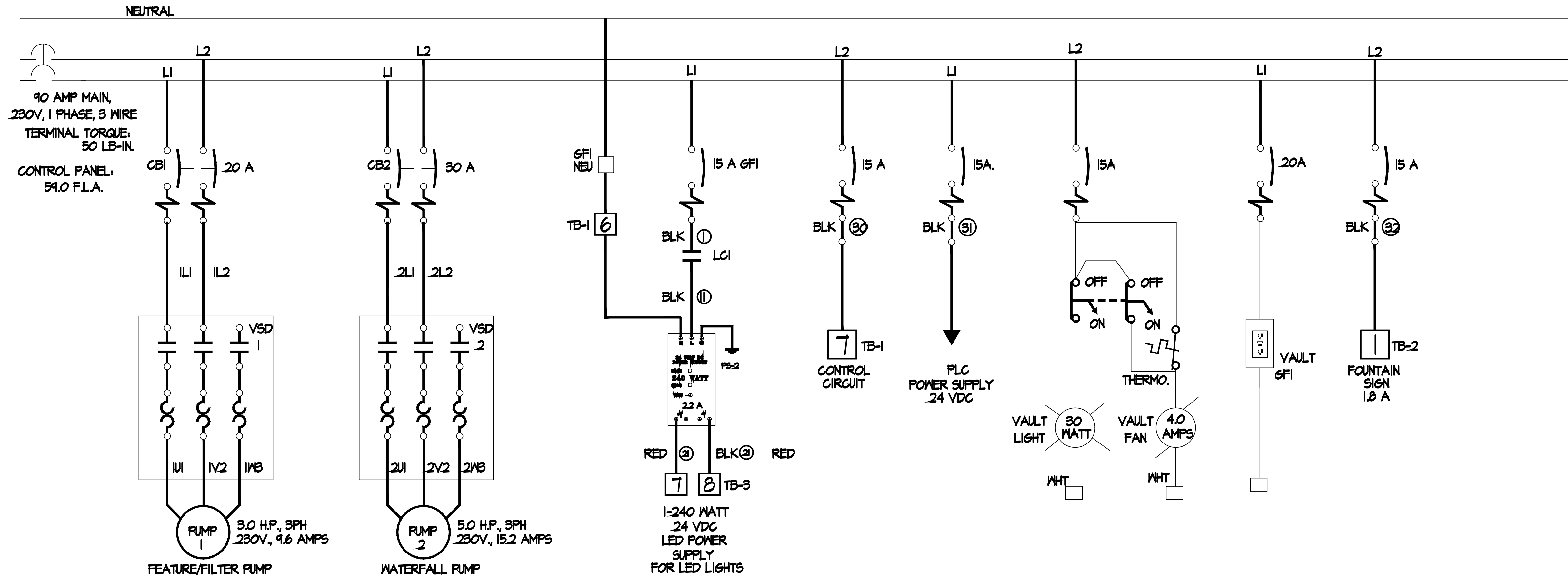
WEST PRYOR
FOUNTAIN AND WATERFALL



REVISION DATE:	BY:
DATE:	04-06-2020
SCALE:	SHOWN
DRAWN:	D.E.H.
JOB:	15239
SHEET:	F5.00
OF 6 SHEETS	



1. CHECK "HYDRO VAULT" ON ARRIVAL FOR INTERIOR AND EXTERIOR SHIPPING DAMAGE.
2. STORE "HYDRO VAULT" IN A DRY AREA. WATER WILL DAMAGE VAULT ELECTRICAL EQUIPMENT.
3. PRECAUTIONS, BASED ON LOCAL CONDITIONS, MUST BE TAKEN TO PREVENT ANY MOVEMENT OF THE "HYDRO VAULT".
4. PROVIDE ADEQUATE DRAINAGE TO REMOVE WATER FROM "HYDRO VAULT" LOCATION. VAULT MUST NOT STAND IN WATER.
5. PROVIDE ADEQUATE INTERIOR BRACING DURING BACKFILLING TO PREVENT DAMAGE TO FIBERGLASS SHELL.
6. EXTEND VENT PIPES TO AN ELEVATION THAT WILL PREVENT WATER FROM ENTERING.
7. INSTALL SCREEN WIRE OR OTHER MATERIAL ON VENT PIPES TO KEEP OUT VERMIN AND INSECTS.
8. USE ONLY NYLON STRAPPING FOR RIGGING. DO NOT USE CHAINS.
9. FOR BEDDING AND BACKFILL USE CLEAN PEA GRAVEL TYPE MATERIAL. A NATURALLY ROUNDED AGGREGATE OF 1/4" NOMINAL SIZE, RANGING FROM 1/8" TO 3/4" DIA., CLEAN AND FREE FLOWING. IF GRAVEL IS NOT AVAILABLE, CLEAN STONE CRUSHINGS 1/8" TO 1/2" DIA., CLEAN AND FREE FLOWING, MAY BE USED. FAILURE TO USE SPECIFIED BACKFILL MATERIAL WILL VOID WARRANTY.
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POWER SCHEMATIC

FOUNTAIN CONTROL PANEL

UL LISTED 508A CONTROL PANEL, UL # XXXXX

SUITABLE FOR USE ON A CIRCUIT OF DELIVERING NOT MORE THAN 5000 RMS SYMMETRICAL AMPERES, 600 VOLTS MAXIMUM

REVISIONS

DATE: 6/24/2019

SCALE: NONE

DRAWN: tsf

JOB: 15

SHEET:

E1

OF SHEETS