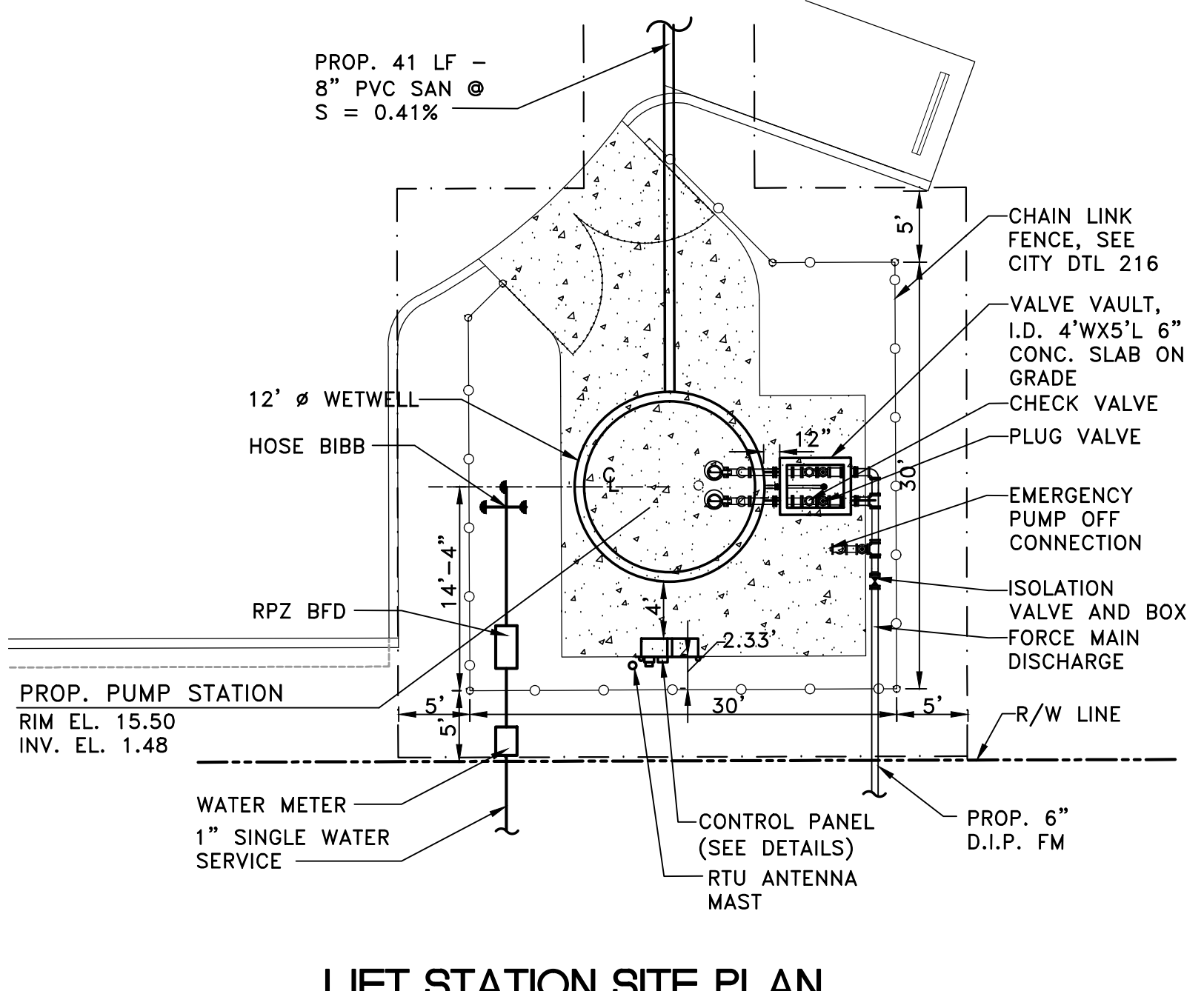
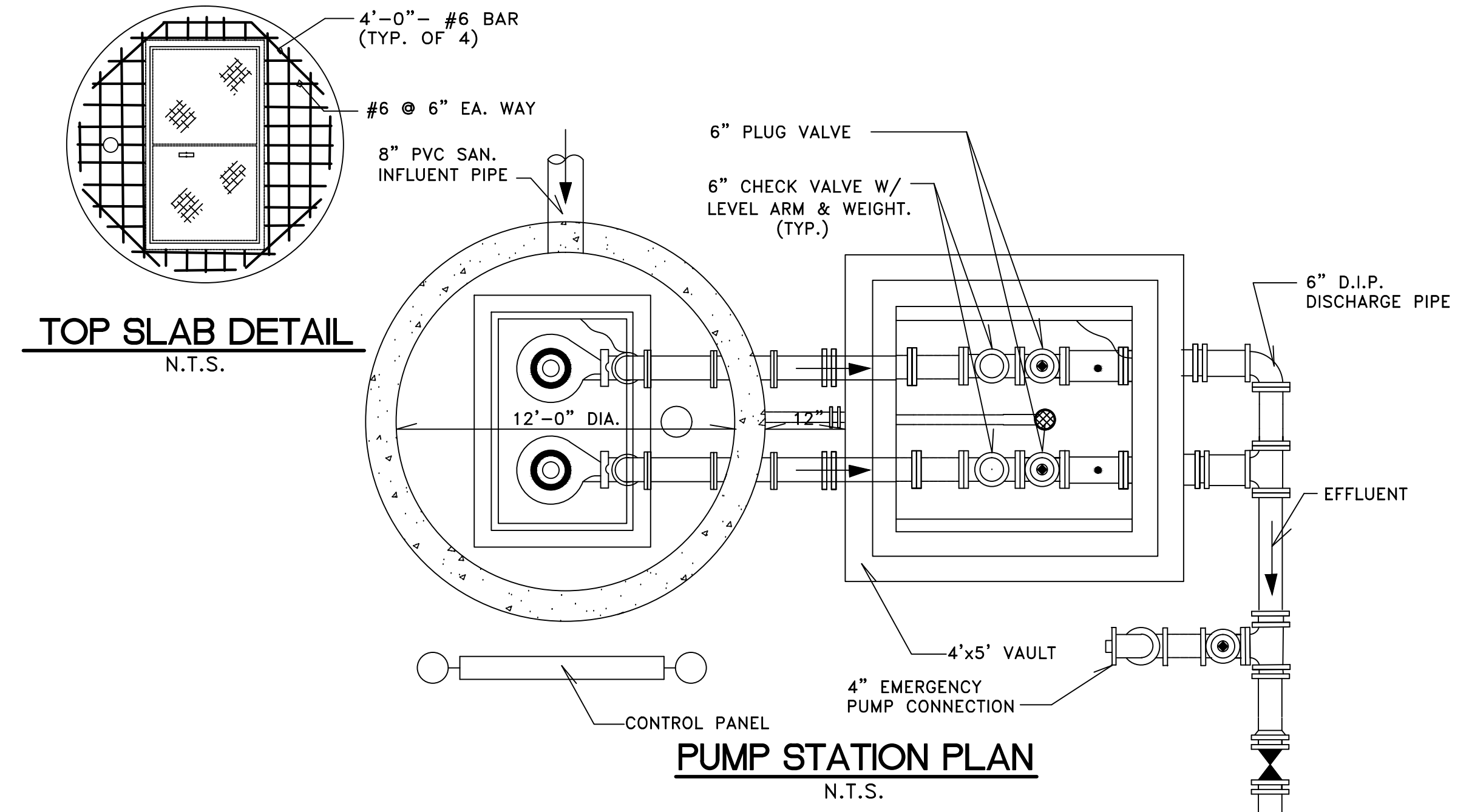


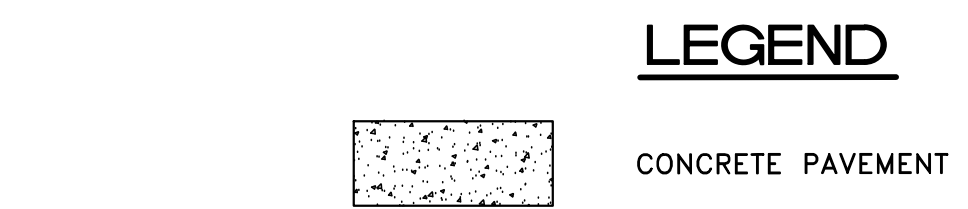
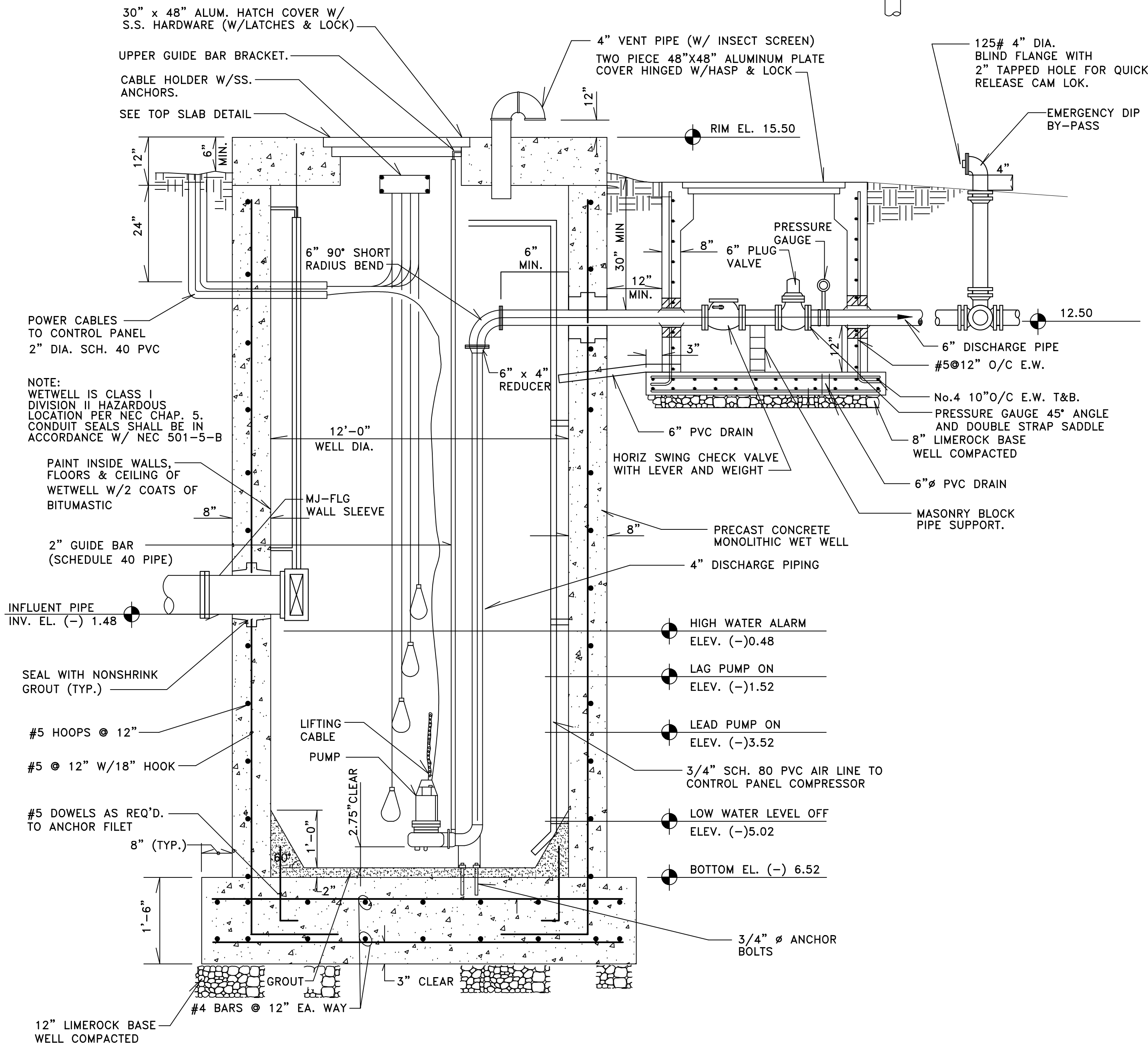
REVISIONS	BY
2-19-14 SITE PLAN RESUBMITTAL	
4-3-14 SITE PLAN RESUBMITTAL	

PUMP HP 20
VOLTAGE 480 PHASE 3
FLOW 340 GPM TDH 97 FT
PUMP MODEL MYERS 4VC
PUMP IMPELLER 10 IN



PUMP STATION NOTES

- 1. CONTRACTOR SHALL FURNISH, INSTALL, TEST AND PUT IN OPERATION ALL FACILITIES SHOWN ON THE PLANS OR NECESSARY FOR A COMPLETE AND OPERATING SYSTEM.
- 2. CONTRACTOR SHALL PROVIDE AS A MINIMUM:
 - A. SHOP DRAWINGS FOR:
 1. PRECAST WETWELL TOP
 2. PIPING
 3. PUMPS
 4. CONTROLS
 - B. AS-BUILT DRAWING(S) OF COMPLETED PROJECT.
- 3. PRECAST CONCRETE WETWELL:
 - A. WETWELL SHALL BE MONOLITHIC CONSTRUCTION.
 - B. CONCRETE SHALL BE TYPE II CEMENT, 4000 PSI 28 DAY COMPRESSIVE STRENGTH, MINIMUM.
 - C. ALL CONSTRUCTION JOINTS SHALL BE PROVIDED WITH 6" PVC WATERSTOP. WETWELL SHALL BE FIELD COATED WITH TWO COATS OF KOPPERS COMPANY BITUMASTIC NO. 300M, AMERCOAT NO. 78 OR APPROVED EQUAL ON INSIDE, AND ON OUTSIDE BELOW GRADE.
- 4. POLYVINYL CHLORIDE PIPE AND FITTINGS:
 - A. ALL PIPE, FITTINGS AND ACCESSORIES SHALL MEET ALL REQUIREMENTS OF AWWA SPECIFICATION C-900 AND SHALL BE PVC-1120 PIPE.
 - B. PIPE JOINTS SHALL BE COMPRESSION ELASTOMER GASKET JOINTS MEETING THE REQUIREMENTS OF ASTM D3139.
 - C. ALL PVC PIPE SHALL BE FORMULATED FOR SUNLIGHT EXPOSURE AND SHALL PASS THE IMPACT STRENGTH TEST AS DESCRIBED BY ASTM S-2444, USING TUP "A" WITH AN IMPACT LEVEL OF 94 FT.-LBS.
 - D. PRESSURE AND LEAKAGE TESTING:
 1. ALL PIPELINES SHALL BE GIVEN COMBINED PRESSURE AND LEAKAGE TESTS.
 2. CONTRACTOR SHALL REPAIR AND RETEST ANY SECTION OF PIPING WHICH FAILS TO PASS THE PRESSURE AND LEAKAGE TEST.
 - E. CAULK AND SEAL ALL WETWELL WALL PENETRATIONS TO PROVIDE A FLEXIBLE WATERTIGHT JOINT.
- 5. ELECTRICAL:
 - A. ALL ELECTRICAL EQUIPMENT AND APPURTENANCES SHALL BE IN ACCORDANCE WITH NEC 110-16.
 - B. CONDUIT
 1. ALL CONDUIT SHALL BE PVC UNLESS OTHERWISE NOTED.
 2. MOTOR POWER CABLE CONDUITS:
 - A.) EACH CABLE SHALL BE PROVIDED A SEPARATE CONDUIT.
 - B.) CONDUITS SHALL BE TWO TIMES THE DIAMETER OF THE CABLE, MINIMUM.
 - C.) CONDUITS SHALL BE 1-1/2" MINIMUM FOR FLOAT CONTROL WIRES.
 - C. MOTOR POWER CABLES:
 1. ALL CABLES/CORDS SHALL BE LISTED BY NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) FOR USE AND APPLICATION. SUBMERSIBLE PUMP MOTOR CABLES SHALL BE SUPPLIED INTEGRAL WITH MOTOR BY MANUFACTURER.
 2. MOTOR POWER CABLE SHALL BE RUN TO STARTER CONNECTION UNSPLICED.
 3. CABLE SHALL BE PROVIDED AND INSTALLED BY A CERTIFIED FACTORY REPRESENTATIVE OF THE PUMP MANUFACTURER.
 4. CONTROL FLOATS SHALL BE LOCATED AS SHOWN ON THE DRAWINGS AND CONNECTED TO THE CONTROL PANEL UNSPLICED.
- 6. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORTS NECESSARY TO HOLD THE PIPING AND APPURTENANCES IN A FIRM, SUBSTANTIAL MANNER AT THE LINES AND GRADES INDICATED.
- 7. ALL METALLIC SUPPORTS, ANCHORS AND APPURTENANCES SHALL BE STAINLESS STEEL UNLESS OTHERWISE INDICATED.
- 8. CONTRACTOR SHALL PROVIDE THE SERVICES OF A CERTIFIED FACTORY REPRESENTATIVE OF THE PUMP MANUFACTURER TO CHECK THE NEW INSTALLATION PRIOR TO START-UP.
- 9. REINFORCING STEEL SHALL BE GRADE 60 FABRICATED AND PLACED IN ACCORDANCE WITH ACI CODE. SPLICES SHALL BE 30 BAR DIAMETERS OR 18" MIN. UNLESS OTHERWISE SPECIFIED.
- 10. THE PUMP STATION ALARM SYSTEM SHALL INCLUDE A BATTERY BACKED UP SYSTEM WHICH SHALL DISPLAY AN ALARM CONDITION WHENEVER THE PUMP STATION SUFFERS EITHER HIGH WET WELL LEVEL OR LOSS OF STATION POWER. THE STATION ALARM LIGHT SHALL BE A MINIMUM 300 LUMEN RED LIGHT, FLASHING TWO SECONDS ON, FOUR SECONDS OFF. THE STATION AUDIO ALARM SHALL PROVIDE A MINIMUM LEVEL OF 85 DB 10', WITH SILENCING SWITCH. THE SYSTEM SHALL BE RECHARGEABLE AND SUFFICIENT TO OPERATE BOTH ALARMS FOR A MINIMUM OF TWELVE (12) HOURS. A BATTERY CHARGER SHALL BE PROVIDED ABLE TO FULLY RECHARGE A DISCHARGED BATTERY WITHIN 48 HOURS UPON RETURN TO UTILITY POWER. THE BATTERY SHALL BE REPLACED ACCORDING TO THE RECOMMENDATIONS OF THE ALARM MANUFACTURER, AND SHALL BE INDELIBLY MARKED WITH THE DATE OF INSTALLATION.



MIDTOWN RESIDENCES AT
COCONUT CREEK
FOR:
FLORIDA CRYSTALS
LOCATED AT:
COCONUT CREEK, FLORIDA

MSA ARCHITECTS, INC.
MIAMI OFFICE
7695 SW 104th ST.
SUITE 100-800A, 33156
(305) 273-8911

MSA ARCHITECTS
ARCHITECTURE & PLANNING

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SEWER DETAILS

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MIAMI, FLORIDA 33178 (305)-378-5555
EB-0003255

FOR THE FIRM:
RICHARD B. BOCHNOVICH
PE-19833 (CIVIL)

DRAWN
CHECKED
DATE 12/19/2013
SCALE AS SHOWN
JOB NO.
SHEET