STORMWATER SYSTEM REVISIONS CONSTRUCTION DRAWINGS

MANATEE COUNTY, FLORIDA
MAY 2020



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SCS ENGINEERS

STEARNS, CONRAD AND SCHMIDT
CONSULTING ENGINEERS, INC.
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SCS PROJECT NO. 09217088.16



INDEX OF DRAWINGS

SITE PLAN WITH AERIAL PHOTOGRAPH

POND CONTROL MODIFICATION PLAN

PUMP SYSTEM DETAILS (INFORMATION ONLY)

PROJECT AREA WITH ARIAL

EXISTING CONDITIONS

DETAILS

SHEET TITLE

SHEET NO.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION IS DONE IN A SAFE MANNER AND IN STRICT COMPLIANCE WITH ALL THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 OR LATEST EDITION, AND ALL STATE AND LOCAL SAFETY AND HEALTH REGULATIONS.

3. ALL ELEVATIONS SHOWN ON THE CONSTRUCTION DRAWINGS ARE BASED ON THE NORTH ATLANTIC VERTICAL DATUM (N.A.V.D.) OF 1988, UNLESS OTHERWISE NOTED.

4. CENTERLINE GEOMETRY AND DIMENSIONS SHOWN ON THESE PLANS ARE INTENDED FOR LOCATING HIGH AND LOW POINTS AND ARE NOT TO BE USED FOR SITE LAYOUT. FINAL SITE LAYOUT SHALL BE DONE IN ACCORDANCE WITH THE APPROVED PLANS.

5. EXISTING TOPOGRAPHIC AND SURVEY INFORMATION SHOWN ARE BASED ON A PHOTOGRAMMETRIC SURVEY PREPARED BY PICKETT AND ASSOCIATES, INC., 475 SOUTH FIRST AVENUE, BARTOW, FLORIDA 33830, DATED FEBRUARY 2019.

PRECONSTRUCTION RESPONSIBILITIES:

1. THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF THE WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT ANY INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED AND UPON WHICH THEIR BIDS WILL BE BASED.

2. UPON THE RECEIPT OF THE "NOTICE TO PROCEED", THE CONTRACTOR SHALL CONTACT THE ENGINEER OF RECORD AND/OR MANATEE COUNTY LANDFILL REPRESENTATIVE AND ARRANGE A PRE-CONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, UTILITY OWNERS AND THE OWNER

3. THE CONTRACTOR SHALL CONTACT "SUNSHINE ONE-CALL OF FLORIDA" BY CALLING 811 AT LEAST 48 HOURS PRIOR TO COMMENCING ANY EXCAVATION OR CONSTRUCTION IN ORDER TO PROVIDE FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.

4. EXISTING UTILITIES SHALL BE MAINTAINED IN SERVICE DURING CONSTRUCTION UNLESS OTHERWISE APPROVED BY THE UTILITY OWNER. ALL EXISTING UTILITIES ARE TO REMAIN UNLESS OTHERWISE NOTED.

5. THE CONTRACTOR SHALL COORDINATE WITH UTILITY OWNERS TO ARRANGE RELOCATION AND TEMPORARY SUPPORT OF UTILITY FEATURES, ETC. AS NECESSARY TO COMPLETE THE WORK. THIS INCLUDES BUT NOT LIMITED TO EXISTING STORM SEWER, SANITARY SEWER, WATER MAINS, FORCEMAINS, GAS MAINS, ELECTRICAL, CABLE AND TELEPHONE UTILITIES.

6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ANY AND ALL EXISTING UTILITIES ON THIS PROJECT.

7. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS SHALL BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER IMPROVEMENTS CONSTRUCTED AFTER THE PREPARATION OF THESE PLANS AND THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE FACILITIES SHOWN OR ANY OTHER FACILITIES NOT SHOWN. THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE (LINE & GRADE) ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES PRIOR TO COMMENCING ANY CONSTRUCTION OPERATION. UNLESS OTHERWISE ALLOWED BY THE OWNER, THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AT NO ADDITIONAL COST TO THE PROJECT.

8. IF, UPON EXCAVATION, EXISTING CONDITIONS ARE FOUND TO BE IN CONFLICT WITH THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD AND/OR MANATEE COUNTY LANDFILL REPRESENTATIVE SO THAT APPROPRIATE MEASURES CAN BE TAKEN TO RESOLVE THE PROBLEM.

9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERTICALLY AND HORIZONTALLY PROTECT ANY AND ALL EXISTING UTILITIES ON THIS PROJECT. ANY DAMAGE TO SUCH UTILITIES SHOWN OR NOT SHOWN ON THE PLANS SHALL BE IMMEDIATELY REPAIRED TO THE UTILITY OWNER'S SATISFACTION AT NO ADDITIONAL COST TO THE PROJECT. THE OWNER RESERVES THE RIGHT TO REMEDY SUCH DAMAGE BY ORDERING OUTSIDE PARTIES TO MAKE SUCH REPAIRS AT THE EXPENSE TO THE CONTRACTOR.

10. TWO WEEKS PRIOR TO INITIATING WORK, THE CONTRACTOR WILL SUBMIT FOR APPROVAL A SCHEDULE TO THE ENGINEER FOR COMPLETION OF THE PROJECT.

EROSION AND SEDIMENT CONTROL:

1. ALL PRACTICABLE AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO INLETS, SURFACE DRAINS, WETLANDS AND DETENTION AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.

2. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND AIR AND WATER POLLUTION WILL BE MINIMIZED. STATE AND LOCAL LAWS SHALL BE COMPLIED WITH AT ALL TIMES.

3. PROVIDE ALL DISTURBED AREAS WITHIN THE LIMITS OF THE WORK WITH TEMPORARY SOIL EROSION CONTROL AND SEDIMENT CONTROL, UTILIZING EARTH DAMS & PONDS, GRADE TO DRAIN SWALES, SETTLING BASINS, SILT FENCES, STONE FILTERS, HAY BALE FILTERS, ETC., TREATING ALL SOIL SURFACES WITH SEEDED TOPSOIL AND/OR SOD AFTER GRADING. SEE GENERAL NOTES NO. 15.

4. EROSION AND SEDIMENT CONTROL WILL BE INSTALLED PRIOR TO CONSTRUCTION, AS NECESSARY, TO PREVENT SEDIMENTATION AND DAMAGE TO ADJACENT AREAS AND AS DIRECTED BY THE COUNTY'S REPRESENTATIVE AND SHALL BE MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

5. CONTRACTOR WILL INSPECT AND REPAIR, AS NECESSARY, ANY EROSION AND SEDIMENT CONTROL DAILY AND FOLLOWING EACH RAIN.

6. CONTRACTOR IS RESPONSIBLE FOR MONITORING DOWNSTREAM CONDITIONS THROUGHOUT THE CONSTRUCTION PERIOD AND CLEARING ANY DEBRIS AND SEDIMENT RESULTING FROM CONSTRUCTION.

7. CONTRACTOR SHALL ENSURE THE MINIMUM AMOUNT OF BARE SOIL EXPOSED AT ONE TIME AND INSTALL SOIL EROSION CONTROL FENCES AS SHOWN AND IN SUCH A MANNER AS TO CAPTURE AND FILTER SURFACE WATER DURING CONSTRUCTION.

8. EROSION CONTROL FENCING MUST MEET THE REQUIREMENT OF THE DEPARTMENT OF TRANSPORTATION, STATE OF FLORIDA STANDARD SPECIFICATIONS. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES.

9. ALL DISTURBED AREAS WITHIN THE LIMITS OF CONSTRUCTION SHALL RECEIVE VEGETATIVE TREATMENT AFTER FINAL GRADING IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS. DISTURBED AREAS NOT SPECIFICALLY DESIGNATED WITH A VEGETATIVE COVER SHALL BE SODDED UNLESS OTHERWISE DIRECTED. SEE GENERAL NOTES NO. 14.

EARTHWORK:

1. SURVEY BENCHMARKS, MONUMENTS AND OTHER REFERENCE POINTS SHALL BE PROTECTED FROM DAMAGE AND DISPLACEMENT. IF DISTURBED OR DESTROYED, THEY WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

2. CONTRACTOR SHALL KEEP DIRT, DUST, NOISE AND OTHER OBJECTIONABLE NUISANCES TO A MINIMUM.

INSPECTION AND TESTING:

1. THE CONTRACTOR SHALL NOTIFY THE OWNER/ENGINEER OF RECORD AS WELL AS ANY OTHER GOVERNMENTAL AGENCIES HAVING JURISDICTION AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

2. THE CONTRACTOR SHALL GIVE THE ENGINEER OF RECORD AND/OR MANATEE COUNTY REPRESENTATIVE AT LEAST 48 HOURS ADVANCE NOTICE OF, AND THE ENGINEER OF RECORD AND/OR MANATEE COUNTY REPRESENTATIVE MUST BE PRESENT TO WITNESS, THE FOLLOWING:

A. INSTALL EROSION AND SEDIMENTATION CONTROL MEASURES.

B. CONSTRUCTION OF STORMWATER MODIFICATIONS.C. SUBSTANTIAL COMPLETION.

D. FINAL INSPECTION OF GRADING AND DRAINAGE.

3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL APPLICABLE REGULATORY AGENCIES FOR INSPECTION REQUIREMENTS.

TEMPORARY FACILITIES:

1. TEMPORARY FACILITIES:

A. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE FOR OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES, AND ELECTRICITY, DURING CONSTRUCTION.

B. THE CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF CONSTRUCTION, IF APPLICABLE.

2. TRAFFIC REGULATION:

A. THE CONTRACTOR SHALL PROVIDE ALL WARNING SIGNALS, SIGNS, LIGHTS AND FLAGPERSONS AS NECESSARY FOR THE MAINTENANCE OF TRAFFIC WITHIN PUBLIC RIGHT-OF-WAYS IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.), FLORIDA DEPT. OF TRANSPORTATION AND THE MANATEE COUNTY PUBLIC WORKS DEPARTMENT.

B. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC.

C. NO TRENCHES OR HOLES NEAR WALKWAYS, IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHTTIME HOURS WITHOUT EXPRESS PERMISSION OF THE MANATEE COUNTY PUBLIC WORKS DEPARTMENT AND/OR MANATEE COUNTY SOLID WASTE DIVISION.

PROJECT CLOSEOUT:

1. CLEANING UP:

A. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER, AND UPON FINAL CLEAN-UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEPT BROOM CLEAN.

B. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY HIS WORK, EQUIPMENT AND/OR EMPLOYEES TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS, AT NO ADDITIONAL COST TO THE OWNER.

C. THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZED EARTH, CURBS, ROADWAYS, SIDEWALKS, SIGNS AND ANY OTHER IMPROVEMENTS REMOVED DURING CONSTRUCTION WITH THE SAME TYPE OF MATERIAL AND TO THE CONDITION WHICH EXISTED PRIOR TO THE BEGINNING OF OPERATIONS.

D. WHERE MATERIAL OR DEBRIS HAVE WASHED OR FLOWED INTO, OR HAVE BEEN PLACED IN WATER COURSES, DITCHES, DRAINS, CATCH BASINS, OR ELSEWHERE AS A RESULT OF THE CONTRACTOR'S OPERATIONS, SUCH MATERIAL OR DEBRIS SHALL BE REMOVED AND SATISFACTORILY DISPOSED OF DURING THE PROGRESS OF THE WORK, AND THE AREA KEPT IN A CLEAN AND NEAT CONDITION.

2. ALL PROPERTY MONUMENTS OR PERMANENT REFERENCES, REMOVED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED BY A STATE OF FLORIDA REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.

3. PROJECT RECORD DOCUMENTS:

A. DURING THE DAILY PROGRESS OF THE JOB, THE CONTRACTOR SHALL RECORD ON HIS SET OF CONSTRUCTION DRAWINGS THE EXACT LOCATION, LENGTH AND ELEVATION OF ANY FACILITY NOT BUILT EXACTLY ACCORDING TO PLANS.

B. IF APPLICABLE, UPON COMPLETION OF DRAINAGE IMPROVEMENTS AND INSTALLATION OF CULVERT, THE CONTRACTOR SHALL FURNISH THE ENGINEER OF RECORD "AS-BUILT" PLANS FOR THESE IMPROVEMENTS, SHOWING THE LOCATIONS AND PERTINENT GRADES OF ALL DRAINAGE INSTALLATIONS, OR CHANGES IN GRADE GREATER THAN 6".

C. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD ONE COMPLETE SET OF ALL "AS-BUILT" CONTRACT DRAWINGS. THESE DRAWINGS SHALL BE MARKED TO SHOW "AS-BUILT" CONSTRUCTION CHANGES AND DIMENSIONS, LOCATIONS AND ELEVATIONS OF ALL IMPROVEMENTS.

D. "AS-BUILT" INFORMATION FOR STORMWATER STRUCTURES SHALL CONSIST OF INVERT ELEVATIONS, BOTTOM OF STRUCTURE ELEVATION, BOTTOM OF BAFFLE ELEVATION, RIM ELEVATION AND PIPE SIZE/MATERIAL, AND TOP & BOTTOM OF POND ELEVATIONS SHALL ALSO BE PROVIDED ON THE "AS-BUILT".

E. ALL "AS-BUILT" INFORMATION SHALL BE CERTIFIED BY A FLORIDA REGISTERED LAND SURVEYOR.

STORM DRAINAGE:

GENERAL:

1. THE CONTRACTOR SHALL COMPLY WITH FDEP NPDES REQUIREMENTS FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES (CGP). THE CONTRACTOR SHALL FILE A CGP NOTICE OF INTENT (NOI) AND PROVIDE CONFIRMATION OF COVERAGE UNDER THE FDEP NPDES CGP TO MANATEE COUNTY SOLID WASTE DIVISION. THE CONTRACTOR SHALL IMPLEMENT EROSION AND SEDIMENT CONTROL BMP'S IN ACCORDANCE WITH THE GENERAL AND SPECIAL CONDITIONS OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR THIS PROJECT AS ACCEPTED, MAINTAINED AND MODIFIED AS NECESSARY BY THE CONTRACTOR.

ABBREVIATIONS:

FM FORCEMAIN
HDPE HIGH DENSITY POLYETHYLENE
INV INVERT ELEVATION
MES MITERED END SECTION
PVC POLYVINYL CHLORIDE
RCP REINFORCED CONCRETE PIPE
RJ REINFORCED JOINT

GENERAL NOTES:

1. THE CONTRACTOR IS ADVISED THAT NO ACTIVITIES MAY INTERFERE, DISRUPT, BLOCK, OR OTHERWISE CONFLICT WITH LANDFILL OPERATIONS. IF CONFLICTS ARE ANTICIPATED THEY SHALL BE COORDINATED AND APPROVED BY THE COUNTY AND ENGINEER PRIOR TO DISRUPTION.

2. PROJECT SITE IS ADJACENT TO AN ACTIVE SOLID WASTE LANDFILL (ON SITE). CONTRUCTION MUST COORDINATE WORK WITH THE OWNER (MANATEE COUNTY) TO ENSURE NO INTERRUPTION OF LANDFILL OPERATIONS.

3. ANY AND ALL FINES IMPOSED ON THE COUNTY BY ANY REGULATORY AGENCY DUE TO ACTION OF THE CONTRACTOR SHALL BE PAID BY THE CONTRACTOR.

4. INSPECTION: EXAMINE AREAS FOR CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. REPORT IN WRITING TO COUNTY'S REPRESENTATIVE ALL CONDITIONS CONTRARY TO THOSE SHOWN ON THE DRAWINGS OR SPECIFIED HEREIN AND ALL OTHER CONDITIONS THAT WILL AFFECT SATISFACTORY EXECUTION OF WORK. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED. STARTING WORK CONSTITUTES ACCEPTANCE OF THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. AFTER SUCH ACCEPTANCE, THE CONTRACTOR SHALL AT CONTRACTORS EXPENSE BE RESPONSIBLE FOR CORRECTING ALL UNSATISFACTORY AND DEFECTIVE WORK RESULTING FROM SUCH UNSATISFACTORY CONDITIONS.

5. ALL WORK SHALL BE PERFORMED IN A QUALITY WORKMANLIKE MANNER.

6. DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE ENGINEER OR COUNTY MAY CAUSE THE WORK TO BE UNACCEPTABLE AND WILL BE ADJUSTED OR REPAIRED AT THE CONTRACTOR'S EXPENSE

7. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY LICENSES AND PERMITS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT UNLESS NOTIFIED OTHERWISE IN WRITING BY THE OWNER.

8. ALL WORK SHALL HAVE A ONE YEAR WARRANTY. ONE YEAR WARRANTY WILL BECOME EFFECTIVE WHEN THE PROJECT IS SUBSTANTIALLY COMPLETE, AS DETERMINED BY THE ENGINEER IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

9. ACTUAL DIMENSIONS AND LOCATIONS MAY VARY BASED ON FIELD LOCATIONS

10. TERMS "COUNTY'S REPRESENTATIVE" AND "ENGINEER" ARE INTERCHANGEABLE.

11. THE DISPOSAL OF ALL DEBRIS RESULTING FROM CONSTRUCTION ACTIVITIES AND EXCESS EARTHWORK MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. DISPOSAL OF WASTE IN THE ACTIVE LANDFILL CELL IS AT THE DISCRETION OF THE COUNTY AND IF ACCEPTED, SHALL BE WEIGHED AT THE COUNTY SCALEHOUSE PRIOR TO DISPOSAL UNLESS WAIVED BY THE COUNTY. ALL EXCESS MATERIAL IS THE PROPERTY OF THE COUNTY.

12. THE CONSTRUCTION LENGTHS INDICATED IN THESE PLANS ARE APPROXIMATE. ACTUAL LIMITS MAY BE SET IN THE FIELD AS DIRECTED BY THE ENGINEER.

13. ALL WORK PERFORMED SHALL COMPLY WITH ALL APPLICABLE REGULATIONS AND ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PENALTIES/FINES LEVIED DUE TO WORK THAT IS NOT IN ACCORDANCE WITH PERMIT CONDITIONS.

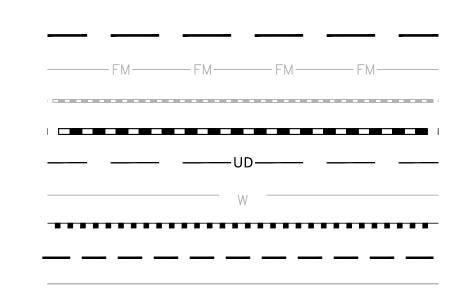
14. ALL AREAS OF EXPOSED EARTH RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE SODDED OR SEEDED AS PER PROJECT SPECIFICATIONS, UNLESS OTHERWISE NOTED ON PLANS. ALL AREAS OF DISTURBED EARTH ON SIDE SLOPES SHALL BE SODDED ACCORDING TO PROJECT SPECIFICATIONS.

15. PROTECT BY WHATEVER MEANS REQUIRED ALL FENCES, SIGNS, STRUCTURES, DRIVES, SIDEWALKS, STREETS, BUSHES, TREES, ETC. WHICH ARE NOT DESIGNATED FOR REMOVAL, OR ARE OUTSIDE THE LIMITS OF CONSTRUCTION.

16. ALL DEBRIS INCLUDING BLOWN DEBRIS SHOULD BE CONTROLLED BY CONTRACTOR AND CLEANED-UP DAILY.

17. ALL TRENCH EXCAVATIONS SHALL BE BACKFILLED TO PRE-EXISTING GRADE EACH DAY UNLESS OTHERWISE APPROVED BY

LEGEND



BOUNDARY - PROJECT LIMITS

PIPE - FORCEMAIN - EXISTING

PIPE - STORMWATER - EXISTING

PIPE - STORMWATER - NEW

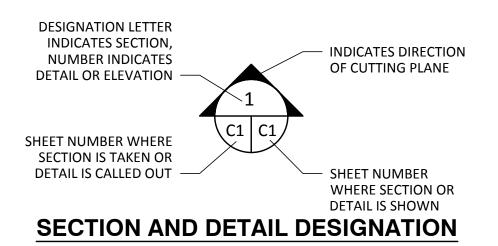
PIPE - UNDERDRAIN - PROPOSED

PIPE - FILTERED WATER - EXISTING

SILT FENCE - STAKED

SLURRY WALL - APPROXIMATE LOCATION

SURFACE CONTOURS - EXISTING



STATE OF STA

TE DESCRIPTION BY

D NS

GENERAL NOTES AND LEGEND
ROJECTTITLE
LENA ROAD LANDFILL
STORMWATER SYSTEM REVISIONS

IANATEE COUNTY UTILITIE
DEPARTMENT
4410 66TH STREET WEST
RADENTON, FLORIDA 3421

2, TAMPA, FL 33619 757

SCS STEAR CONSU 3922 CO PH (813)

CADD FILE: SHEET 2 - NOTES AND SYMB

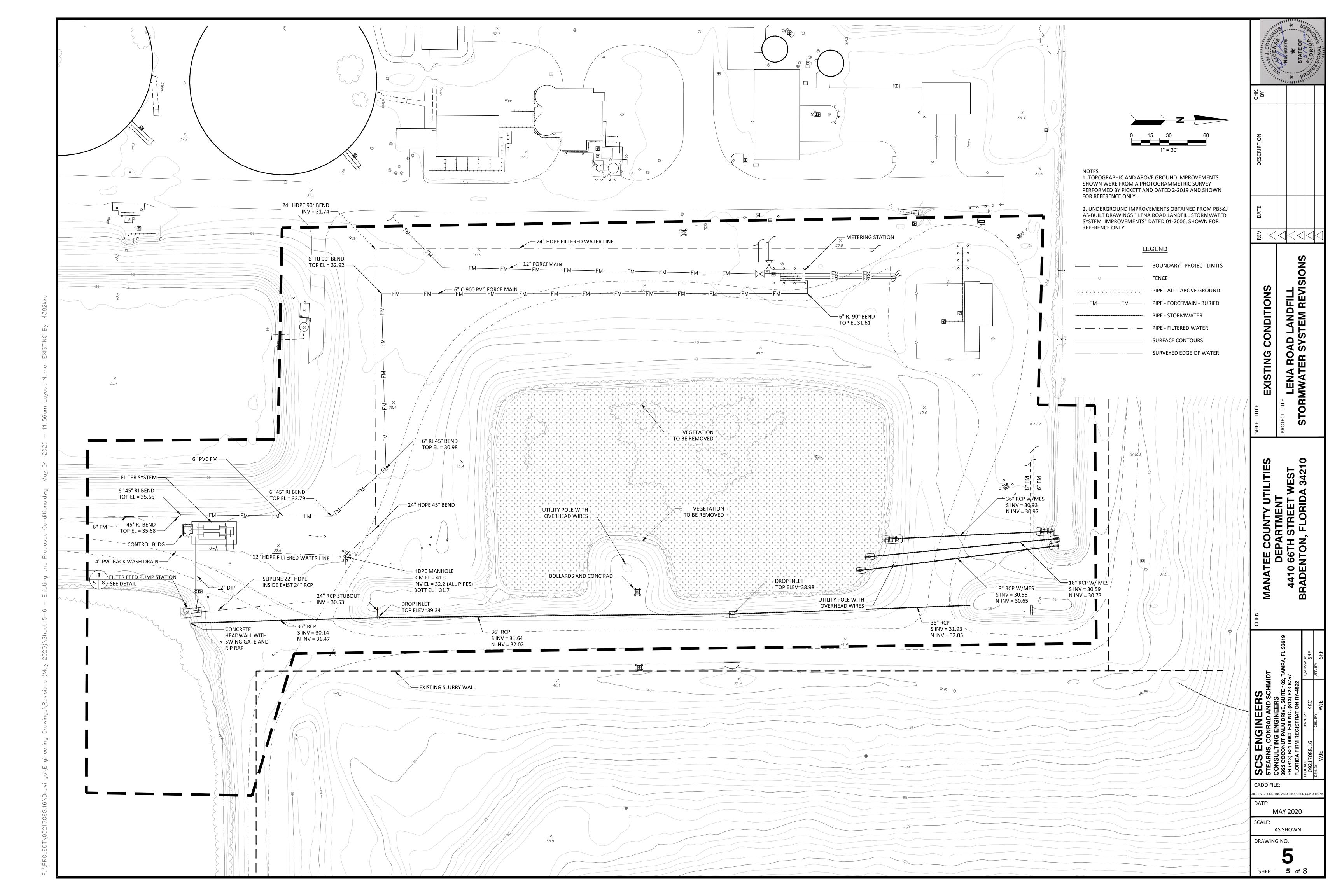
SCALE: AS SHOWN

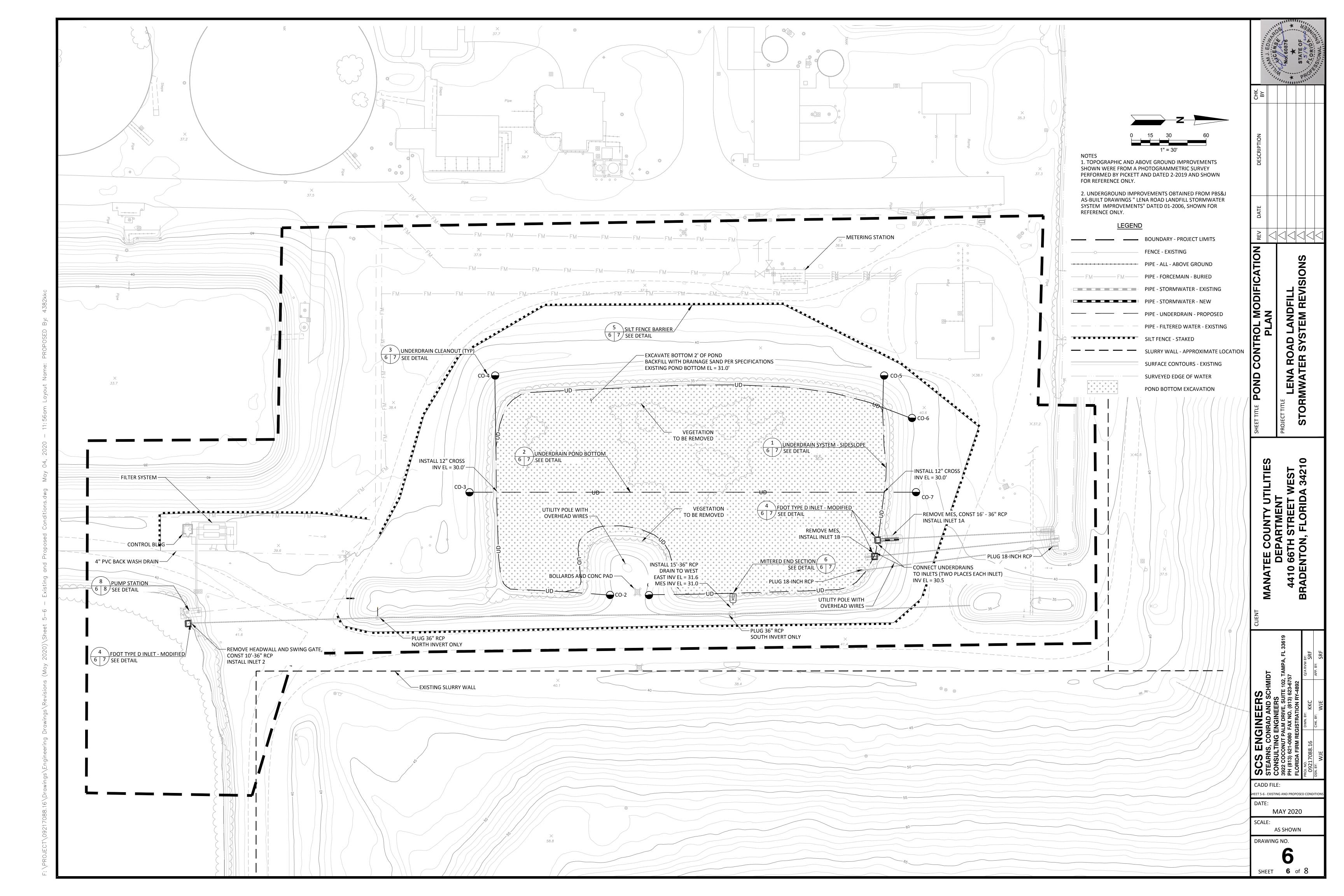
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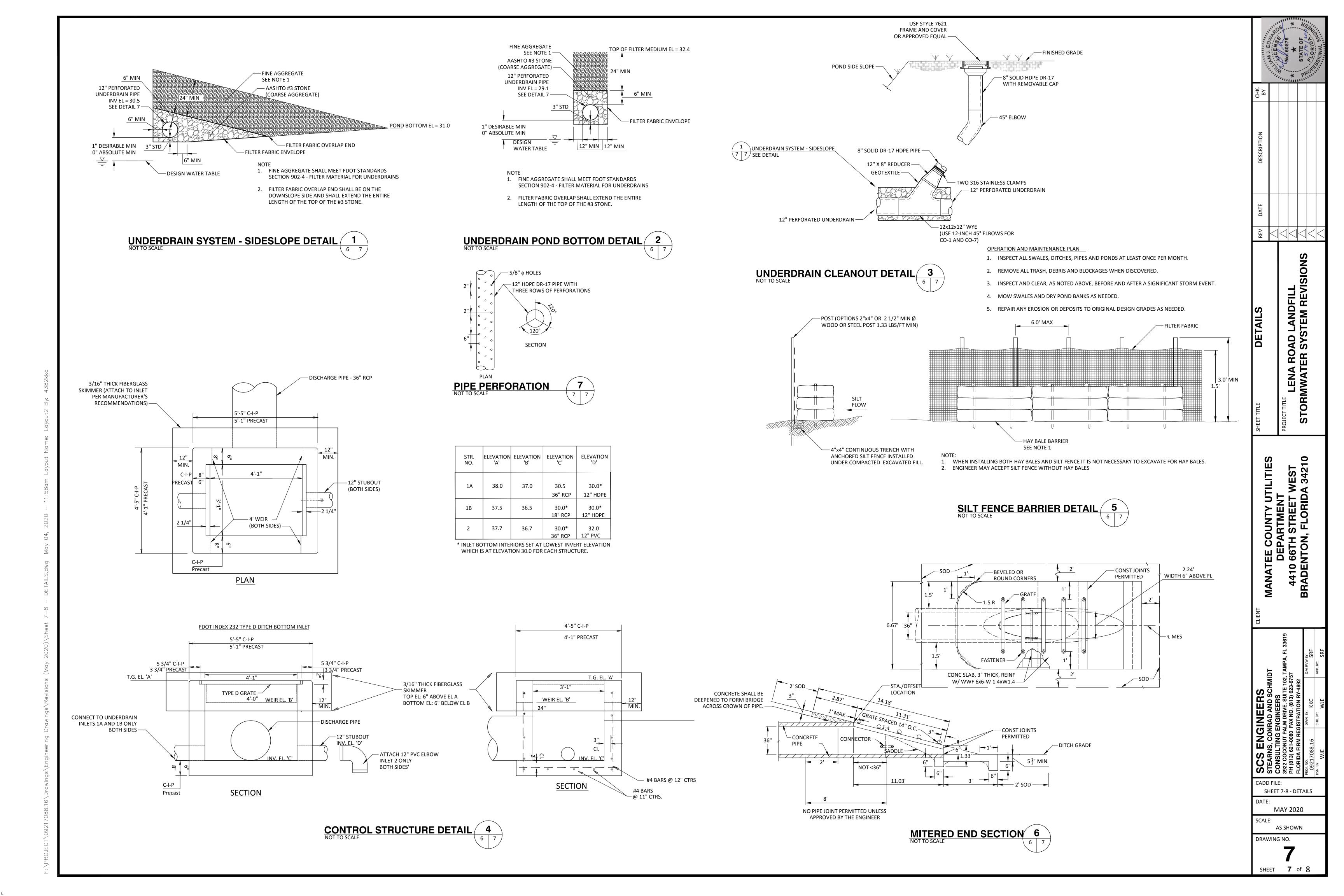
MAY 2020

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PUMP SPECIFICATIONS

PUMP REQUIRED MFGR. & MODEL NO.: FLYGT C-3252 __6"__ DISCHARGE PUMP SIZE 800 GPM 80 FT. 452 PUMP CAPACITY TOTAL HEAD IMPELLER NO. <u>23</u> HP. MIN. <u>460</u> VOLT, <u>3</u> PHASE MOTOR REQUIREMENTS *

* HP SHALL BE ADEQUATE THRU ALL POINTS ON THE PUMP CURVE

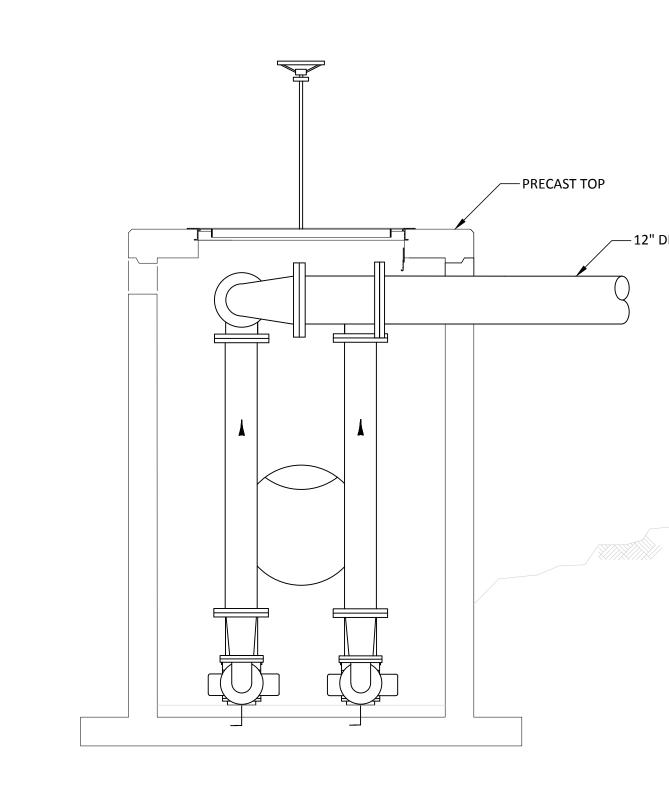
<u>1750</u> R.P.M. ELECTRICAL SERVICE 460 VOLTS, <u>3</u> PHASE, 60 HERTZ

PUMP CONTROL LEVELS

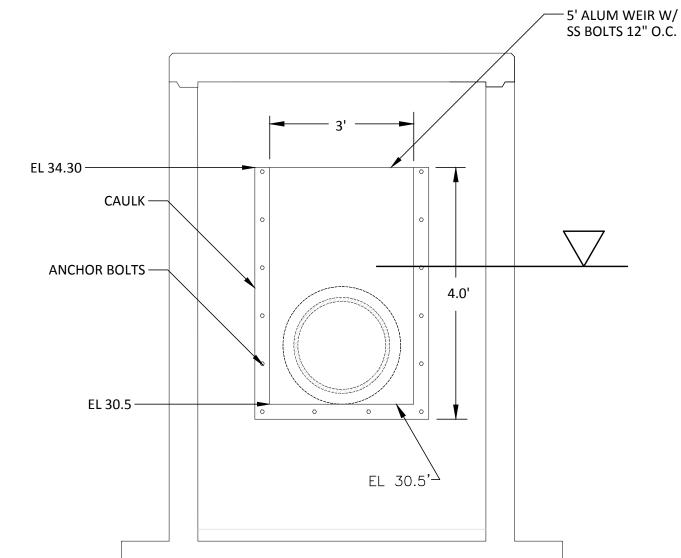
ELEV. <u>34.00</u> 1/ HIGH WATER ALARM ELEV. <u>32.77</u> 2/LEAD PUMP No.1 ON ELEV. <u>30.77</u> 3/ALL PUMPS OFF

STATION DESIGN

800 GPM (ONE PUMP) 1600 GPM (TWO PUMPS)

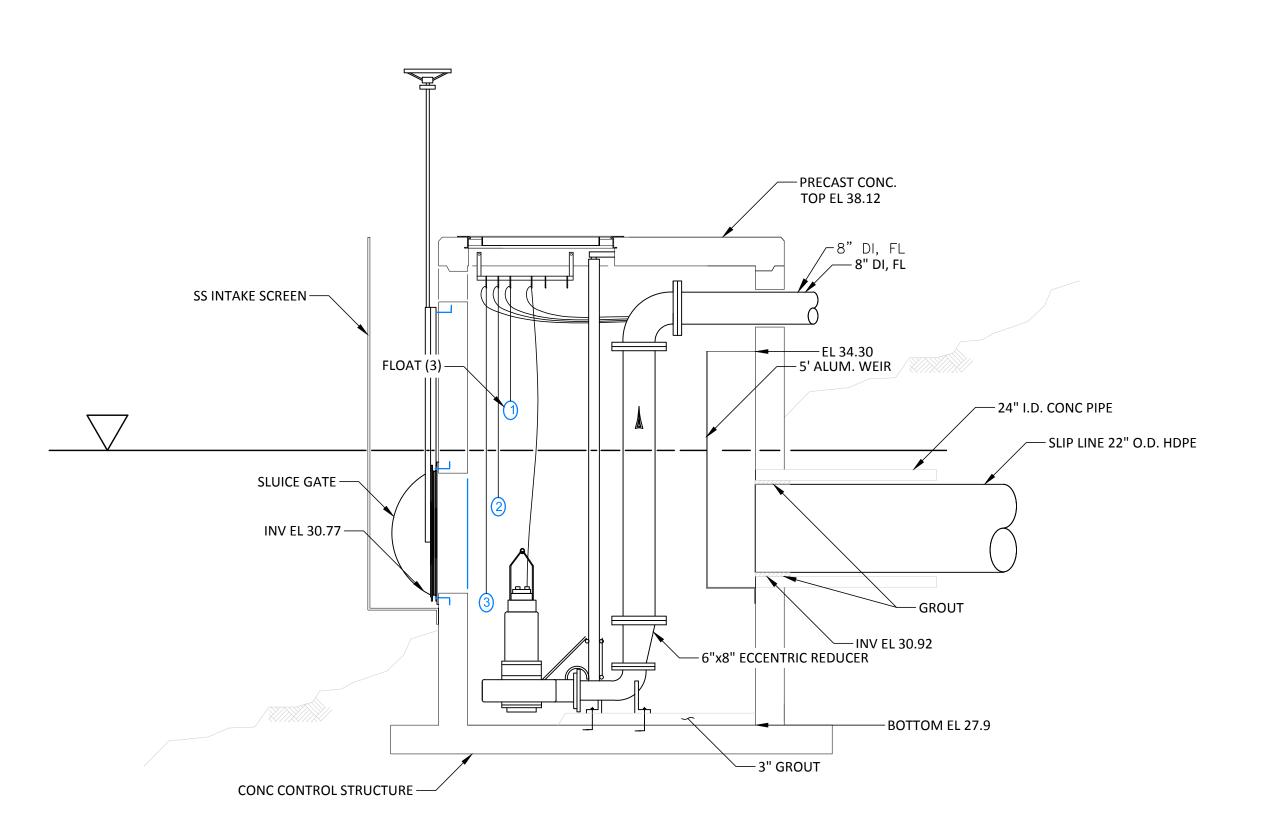


FROM NORTH N.T.S.



ALUMINUM OVERFLOW WEIR

N.T.S.



FROM EAST

N.T.S.

PUMP STATION
NOT TO SCALE

NOTE: THIS SHEET IS FOR INFORMATION ONLY. NO MODIFICATION OF PUMP STATION IS INCLUDED IN THIS PROJECT. -5' ALUM WEIR W/ 1/2" SS BOLTS 12" O.C.

NOTE:
EXISTING INFORMATION PROVIDED FOR
REFERENCE ONLY. NO MODIFICATIONS

REQUIRED FOR THE PUMP STATION.

STORMWATER SYSTEM REVISIONS

CADD FILE: SHEET 7-8 - DETAILS

> MAY 2020 AS SHOWN

DRAWING NO.