



CITY OF OVIEDO
SEMINOLE COUNTY, FLORIDA

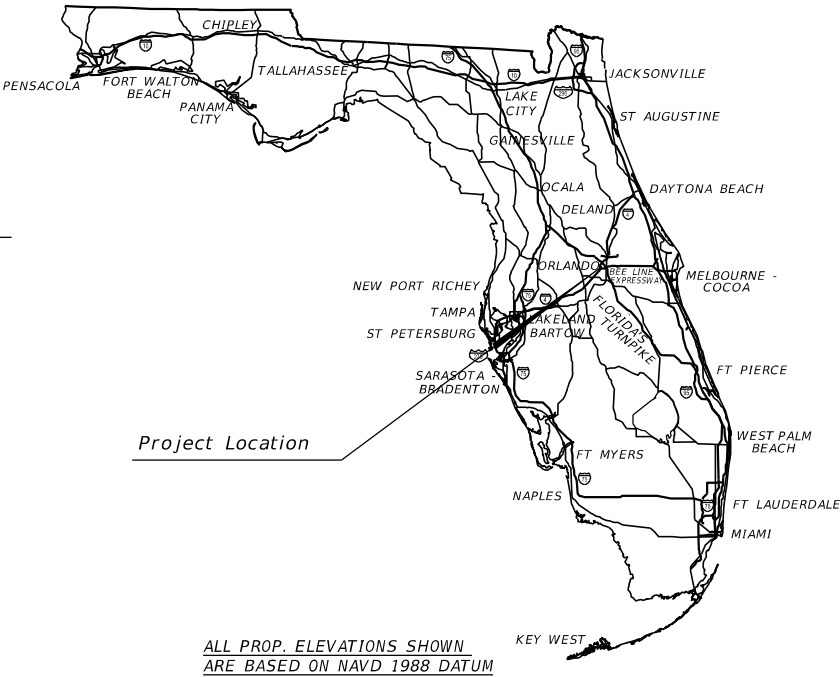
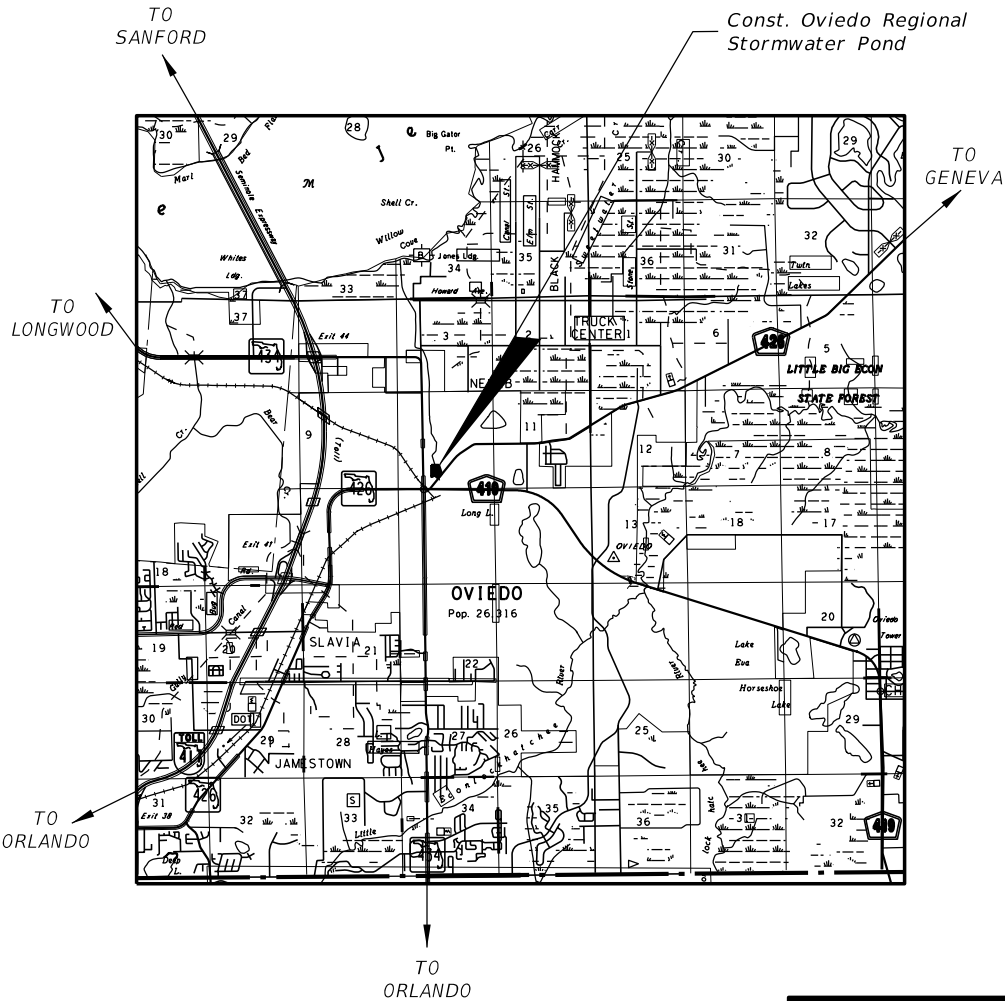
PLANS OF PROPOSED

OVIEDO REGIONAL
STORMWATER POND

INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3-5	POND DESIGN
6	POND DETAIL SHEET
7	STORMWATER POLLUTION PREVENTION PLAN
8-9	STORMWATER POLLUTION PREVENTION NOTES
10	ENVIRONMENTAL CONSTRAINTS PLAN
11	EROSION CONTROL DETAILS
12	ARMOR FLEX DETAILS

UTILITY AGENCY OWNER	TELEPHONE NUMBER
BRIGHT HOUSE NETWORKS	(407) 532-8509
DUKE ENERGY	(407) 359-4896
AT&T	(407) 302-7611
CITY OF OVIEDO	(407) 971-5692
TECO PEOPLE'S GAS	(407) 420-6609



ALL PROP. ELEVATIONS SHOWN
ARE BASED ON NAVD 1988 DATUM

PREPARED FOR:

CITY OF OVIEDO
PUBLIC WORKS DEPARTMENT
400 Alexandria Boulevard
Oviedo, Florida 32766
Phone: (407) 971-5681

PLANS PREPARED BY:



Vanasse Hangen Brustlin, Inc.
Transportation, Land Development,
Environmental Services
225 E. Robinson Street, Suite 300
Orlando, FL 32801 (407)839-4006
Certificate of Authorization # 3932

SITE PLANS
PROFESSIONAL OF RECORD: PAUL W. YEARGAIN

P.E. NO.: 50682

GOVERNING STANDARDS AND SPECIFICATIONS:
Florida Department of Transportation, 2017 Design Standards and revised Index Drawings as appended herein, and 2017 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

For Design Standards click on the "Design Standards" link at the following web site:
<http://www.dot.state.fl.us/rddesign/>

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:
<http://www.dot.state.fl.us/specificationsoffice/>

60% PLANS
DATE: December 2017

NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

GENERAL NOTES

1.

ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY CONTRACTOR AS FOLLOWS: CORNERS AND MONUMENTS IN CONFLICT WITH THE WORK IN DANGER OF BEING DAMAGED, DESTROYED OR COVERED SHALL BE PROPERLY REFERENCED BY A REGISTERED LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THAT SITE. THE CONTRACTOR SHALL RETAIN THE LAND SURVEYOR TO REFERENCE, AND RESTORE UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH TO THE DISTRICT LOCATION ENGINEER A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING. INCLUDE ALL COST OF REFERENCING, RESTORING AND PRESERVING IN THE BID UNIT PRICE FOR MOBILIZATION.
2.

ALL N.A.V.D. BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED AND REFERENCED BY THE CONTRACTOR IN THE SAME WAY AS PUBLIC LAND CORNERS EXCEPT THAT THE LAND SURVEYORS SHALL NOT BE REQUIRED TO RESTORE THE N.A.V.D. BENCH MARK UPON COMPLETION OF THE WORK. THE CONTRACTOR SHALL PROMPTLY TRANSMIT ALL DISPLACED OR DAMAGED N.G.V.D. DISCS TO THE COUNTY SURVEYOR, WHO SHALL NOTIFY THE GEODETIC INFORMATION CENTER. INCLUDE ALL COST OF REFERENCING AND PROTECTING IN THE BID PRICE FOR MOBILIZATION.
3.

ALL EXCESS MATERIAL IS TO BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY HIM WITHIN 72 HOURS OF BEING DEPOSITED IN THE CONSTRUCTION AREA AND AT THE CONTRACTOR'S EXPENSE.
4.

CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK. CLEARING AND SWEEPING IS TO BE INCLUDED IN MAINTENANCE OF TRAFFIC.
5.

EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
6.

COMMERCIAL MATERIAL INCLUDED FOR DRIVEWAY MAINTENANCE AND SAFE ACCESS TO RESIDENTIAL AND BUSINESS PROPERTIES AFFECTED BY CONSTRUCTION SHALL BE INCLUDED.
7.

ALL SOD MATERIALS SHALL BE SUBJECT TO INSPECTION BY THE CITY PRIOR TO PLACEMENT.
8.

CONTRACTOR SHALL COORDINATE SELECTION AND REVIEW OF ANY PROPOSED STAGING AREAS ASSOCIATED WITH THIS PROJECT WITH THE CITY STAFF DURING THE PRE-CONSTRUCTION MEETING. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING CITY STAFF AT LEAST 72 HOURS PRIOR TO STAGING. AT THE END OF THE PROJECT, THE STAGING AREA WILL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER AT NO COST TO THE CITY.
9.

CONTRACTOR WILL RESTRICT PERSONNEL, THE USE OF EQUIPMENT, AND THE STORAGE OF MATERIALS TO AREAS WITHIN THE LIMITS OF CONSTRUCTION AS NOTED ON THE PLAN SHEETS. ANY OFF-SITE STORAGE AREA WILL REQUIRE PRIOR REVIEW BY CITY STAFF.
10.

A FLORIDA REGISTERED SURVEYOR SHALL PROVIDE CONSTRUCTION STAKEOUT AND RECORD RECORD DRAWINGS MEASUREMENTS. THE ENGINEER OF RECORD SHALL REVIEW, SIGN, DATE, AND SEAL THE FINAL RECORD DRAWINGS.
11.

THE CONTRACTOR SHALL PROVIDE COPIES OF ALL PERMITS AND SHALL COMPLY WITH ALL APPLICABLE PERMIT CONDITIONS.
12.

THE CONTRACTOR SHALL NOT COMMENCE CONSTRUCTION UNTIL AFTER THE PRE-CONSTRUCTION CONFERENCE WITH THE CITY.
13.

THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF APPROVED CONSTRUCTION PLANS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
14.

ALL APPROVED SHOP DRAWINGS SHALL BE KEPT ON THE CONSTRUCTION SITE.
15.

THE CONTRACTOR SHALL KEEP ALL PRIVATE DRIVEWAYS OPEN AND MAILBOXES ACCESSIBLE DURING ACTIVE WORK PERIODS. DRIVEWAYS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO EXISTING CONDITIONS OR BETTER AT THE CONTRACTOR'S EXPENSE.
16.

FILL MATERIAL SHALL BE COMPRISED OF NON-PLASTIC SANDS WITH LESS THAN 12% FINES CONTENT. THE FILL SHALL CONTAIN LESS THAN 3% ORGANIC CONTENT (BY WEIGHT) AND SHALL BE SUBSTANTIALLY FREE FROM ROOTS OR OTHER ORGANIC OR DELETERIOUS MATERIALS. PLACE FILL IN LEVEL LIFTS NO THICKER THAN 12 INCHES AND COMPACT TO A MINIMUM OF 95% MODIFIED PROCTOR OF THE SOIL'S MODIFIED PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM SPECIFICATION D-1557 FOR EACH LIFT PLACED. FILL SLOPES SHALL BE NO STEEPER THAN 2:1 (H:V). REFER TO THE GEOTECHNICAL REPORT, DATED JANUARY 8, 2015, BY GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. FOR MORE INFORMATION.

UTILITY NOTES

1.

THE LOCATION(S) OF UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION PRIOR TO CONSTRUCTION.
2.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY ADJUSTMENTS AND RELOCATIONS, AS REQUIRED.
3.

FOR UTILITY ADJUSTMENT SYMBOLS, SEE STANDARD INDEX NO. 002.
4.

ALL EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
5.

CITY REPRESENTATIVES SHALL BE PRESENT DURING ALL OPERATIONS INVOLVING EXISTING UTILITIES.
6.

CONTRACTOR SHALL NOT INTERRUPT EXISTING UTILITIES WITHOUT WRITTEN PERMISSION OF UTILITY OWNER.
7.

CONTRACTOR SHALL CONTACT SUNSHINE ONE CALL OF FLORIDA, INC. (1-800-432-4770), IN ADVANCE OF BEGINNING CONSTRUCTION ON THE JOB SITE.

TREES AND LANDSCAPING NOTES

1.

ALL TREES ARE TO REMAIN UNLESS OTHERWISE NOTED IN THE PLANS. CONTRACTOR SHALL CONTACT CITY OF OVIEDO PRIOR TO REMOVAL OF ANY TREE. CARE SHALL BE TAKEN TO PROTECT ALL TREES THAT FALL WITHIN THE LIMITS OF CONSTRUCTION WORK AREA.
2.

CONTRACTOR WILL REPLACE LANDSCAPING THAT IS REMOVED OR DESTROYED DURING CONSTRUCTION, UNLESS NOTED IN PLANS, WITH PRIOR COORDINATION AND APPROVAL FROM THE CITY. TREES TO BE REMOVED OR SAVED AS SHOWN ON PLANS. HOWEVER, ALL TREES TO BE REMOVED SHALL BE APPROVED BY CITY PRIOR TO REMOVAL.
3.

TRIM TREES OVER PAVEMENT AND SHOULDER TO PROVIDE 18' VERTICAL CLEARANCE PER ANSI 300 STANDARDS.
4.

THE CONTRACTOR SHALL COORDINATE WITH CITY OF OVIEDO PRIOR TO CONSTRUCTION NEAR EXISTING TREES TO DETERMINE LIMITS OF ROOT PRUNING.

STRIPING AND SIGNING NOTES

1.

ALL EXISTING TRAFFIC SIGNS ARE TO REMAIN UNLESS OTHERWISE NOTED ON THE PLANS.

MAINTENANCE OF TRAFFIC NOTES

1.

TRAFFIC CONTROL, INCLUDING BUT NOT LIMITED TO EXISTING PEDESTRIAN TRAFFIC, SHALL BE MAINTAINED IN ACCORDANCE WITH FDOT DESIGN STANDARDS, INDEX SERIES 600.
2.

REPLACE ALL TRAFFIC CONTROL SIGNS THAT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION.
3.

THE CONTRACTOR SHALL SUBMIT AN MOT PLAN FOR REVIEW AND APPROVAL BY THE CITY OF OVIEDO BEFORE CONSTRUCTION CAN BEGIN.
4.

DAY TIME SINGLE LANE CLOSURES MAY BE PERMITTED AND WILL BE DISCUSSED IN DETAIL AT THE PRE-CONSTRUCTION MEETING.
5.

THE CONTRACTOR IS TO MAINTAIN FULL ACCESS TO RESIDENTIAL AND BUSINESS DRIVEWAYS AT ALL TIMES.

EROSION AND SEDIMENT CONTROL NOTES

1.

PRIOR TO STARTING ANY OTHER WORK ON THE SITE, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN STATE AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
2.

THE CONTRACTOR IS REQUIRED TO INSPECT ALL EROSION CONTROL FEATURES AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM OF 0.5 INCHES OR GREATER. IN ADDITION, MAINTAIN ALL EROSION CONTROL FEATURES AS REQUIRED HEREIN AND AS SPECIFIED IN STATE AND/OR FEDERAL ENVIRONMENTAL REGULATORY PERMITS. THIS INCLUDES, BUT IS NOT LIMITED TO, THE DAILY REVIEW OF THE LOCATION OF SILT FENCES IN AREAS WHERE CONSTRUCTION ACTIVITIES HAVE CHANGED THE NATURAL CONTOUR AND DRAINAGE RUNOFF TO ENSURE THAT SILT FENCES ARE PROPERLY LOCATED FOR

EFFECTIVENESS. THE CONTRACTOR WILL USE FDOT FORM 650-040-03 AND ALL INSPECTIONS SHALL BE CONDUCTED BY AN F.D.E.P. CERTIFIED STORMWATER MANAGEMENT INSPECTOR.

3.

CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL POLLUTION PREVENTION CONTROLS. DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE THE EFFECTIVENESS OF EROSION, SEDIMENTATION, TURBIDITY AND POLLUTION CONTROL MEASURES. REMEDIAL ACTION SHALL BE PERFORMED IMMEDIATELY.
4.

STABILIZATION MEASURES WILL BE INITIATED AS SOON AS PRACTICABLE, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED.
5.

UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF PERMANENT GROUND COVER, CONTRACTOR SHALL REMOVE AND DISPOSE OF EROSION CONTROL MEASURES AND CLEAN SEDIMENT AND DEBRIS FROM ENTIRE DRAINAGE AND SEWER SYSTEMS AT NO COST TO THE CITY.
6.

CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT APPLICABLE WATER QUALITY STANDARDS ARE MET BY PREVENTING THE DISCHARGE OF ANY FOREIGN MATERIAL IN THE WATER. CONTRACTOR SHALL ERECT THE BEST AVAILABLE MEANS OF EROSION AND TURBIDITY CONTROL TO ISOLATE THE WORK AREA AT ALL TIMES. THESE MEASURES SHALL BE MAINTAINED FUNCTIONAL THROUGHOUT THE DURATION OF THE PROJECT.
7.

CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL INLETS ALONG THE PROJECT CORRIDOR CLEAN OF LIMEROCK, DEBRIS AND SOIL USING THE APPROPRIATE EROSION CONTROL MEASURES. EROSION CONTROL MEASURES WILL BE KEPT FUNCTIONAL THROUGHOUT THE DURATION OF THE PROJECT.
8.

EROSION CONTROL ITEMS ARE ESTIMATED FOR PREVENTION, CONTROL, ABATEMENT OF EROSION, SEDIMENTATION, AND WATER POLLUTION. THESE ITEMS ARE TO BE USED AT THE LOCATIONS DESCRIBED IN THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN OR AS DIRECTED BY THE CITY ENGINEER TO COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

EXISTING CONDITIONS INFORMATION

1.

BASE PLAN: THE PROPERTY LINES SHOWN WERE DETERMINED BY AN ACTUAL FIELD SURVEY CONDUCTED BY SOUTHEASTERN SURVEYING AND MAPPING CORPORATION ON DECEMBER 19 2017.
2.

TOPOGRAPHY: THE HORIZONTAL POSITIONS FOR ALL FEATURES SHOWN ON THE MAP ARE RELATIVE TO NORTH AMERICAN DATUM, NAD 1983, 2007 ADJUSTMENT, STATE PLANE COORDINATE SYSTEM, FLORIDA EAST ZONE. CONTROL POINT(S) USED FOR THIS SURVEY ARE NATIONAL GEODETIC SURVEY, NGS POINTS PID#AK7129; DISTANCES SHOWN ARE GRID DISTANCES. ELEVATIONS ARE BASED ON SEMINOLE COUNTY BENCHMARK DESIGNATION # 8144704 WITH A PUBLISHED ELEVATION = 60.526 NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD).
3.

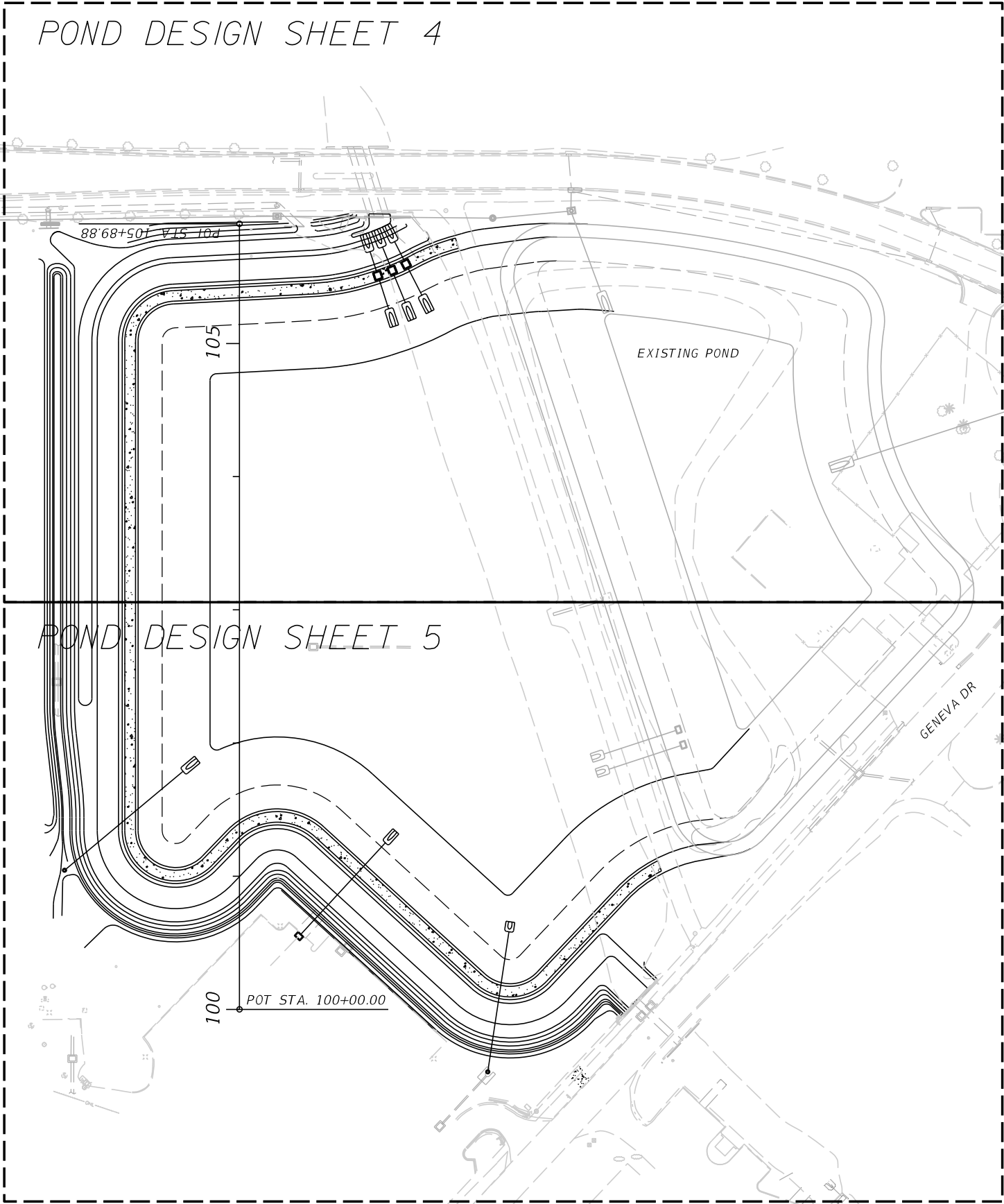
GEOTECHNICAL DATA INCLUDING TEST PIT AND BORING LOCATIONS AND ELEVATIONS WERE OBTAINED FROM GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC. ON JANUARY 8 2015.

REVISIONS				Engineers / Scientists Planners / Designers 225 E. Robinson Street, Suite 300 Orlando, FL 32801 (407) 839-4006 Certificate of Authorization # 3932 Paul W. Yeargain, P.E. PE # 50682	CITY OF OVIEDO FLORIDA	GENERAL NOTES	SHEET NO. 2
DATE	DESCRIPTION	DATE	DESCRIPTION				

SHEET LAYOUT

POND DESIGN SHEET 4

POND DESIGN SHEET 5



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



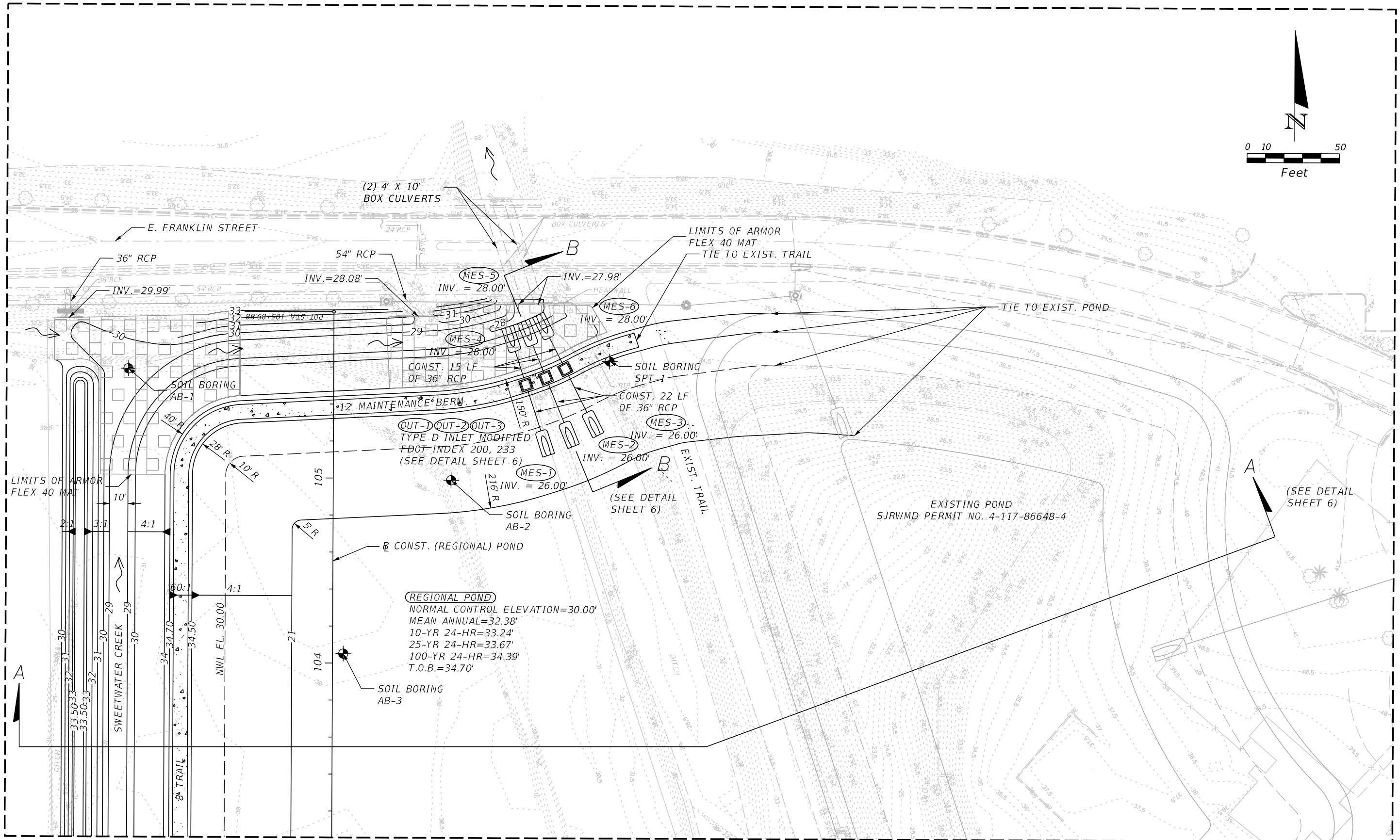
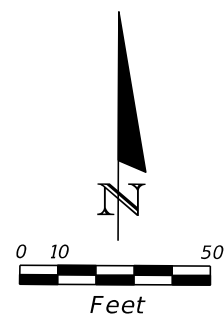
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Certificate of Authorization # 3932
Paul W. Yeargan, P.E.
PE # 50682



CITY OF OVIEDO
FLORIDA

POND DESIGN LAYOUT

SHEET
NO.
3



MATCH LINE SEE POND DESIGN SHEET 5

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



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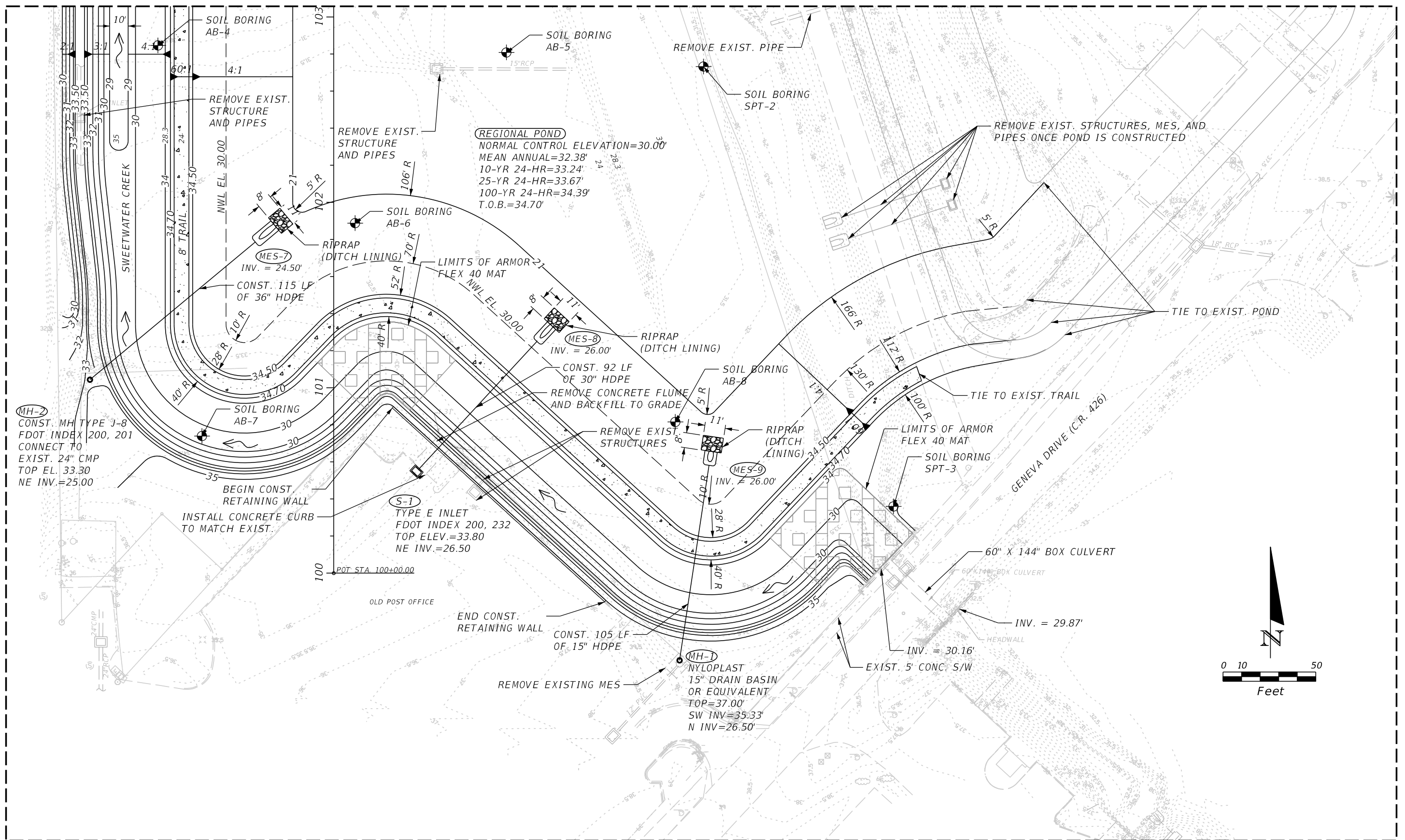


CITY OF OVIEDO
FLORIDA

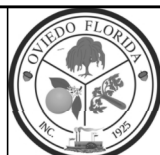
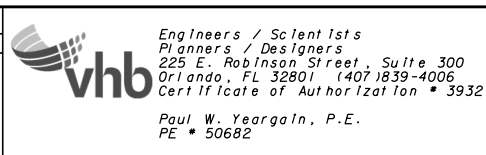
POND DESIGN SHEET 1

SHEET
NO.
4

MATCH LINE SEE POND DESIGN SHEET 4



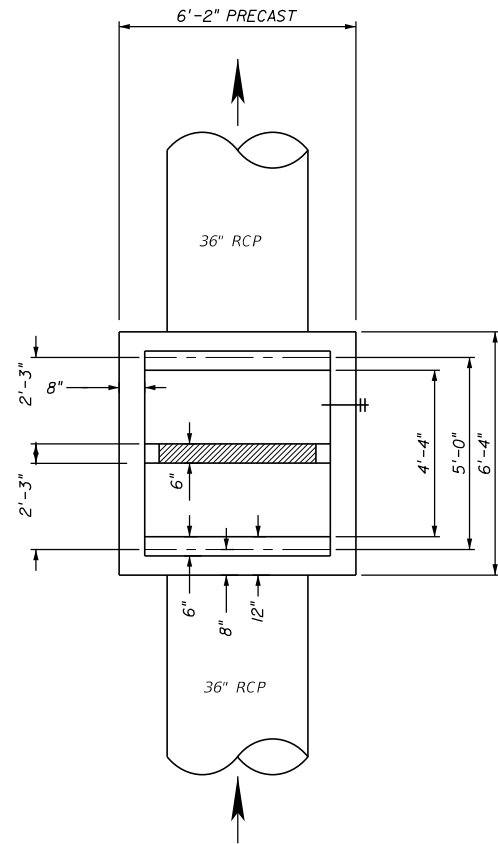
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION



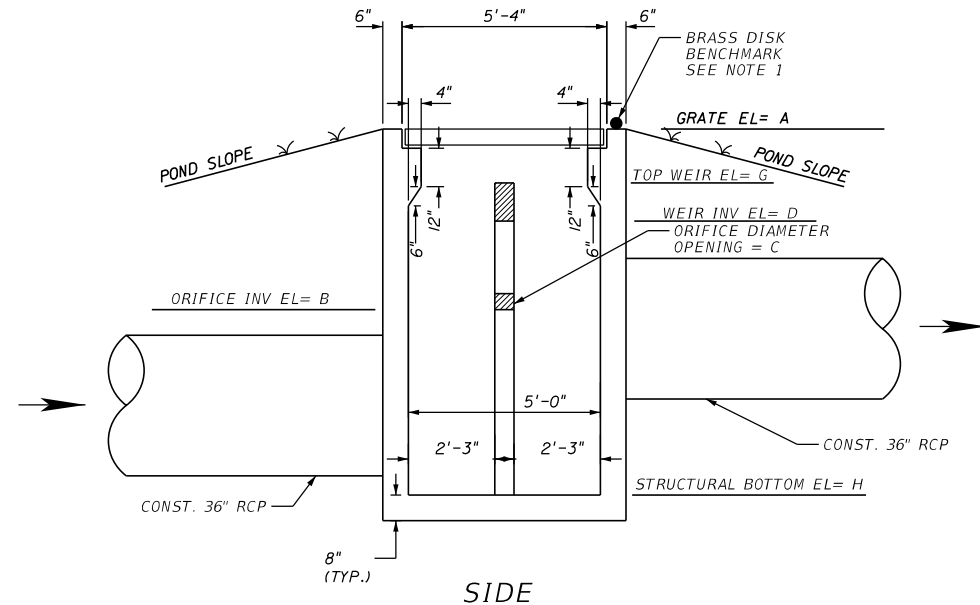
CITY OF OVIEDO
FLORIDA

POND DESIGN SHEET 2

SHEET
NO.

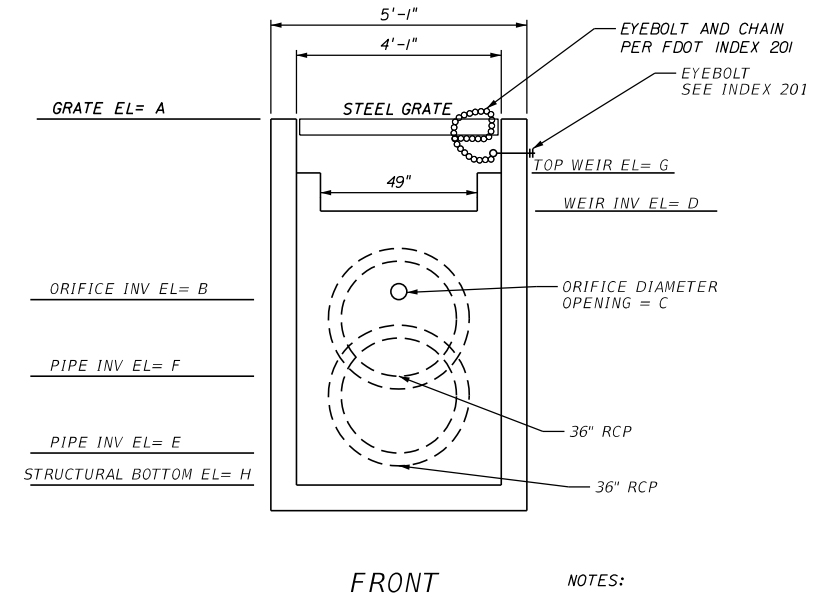


TYPICAL PLAN VIEW
(OUTFALL STRUCTURE OUT-1, OUT-2, OUT-3)



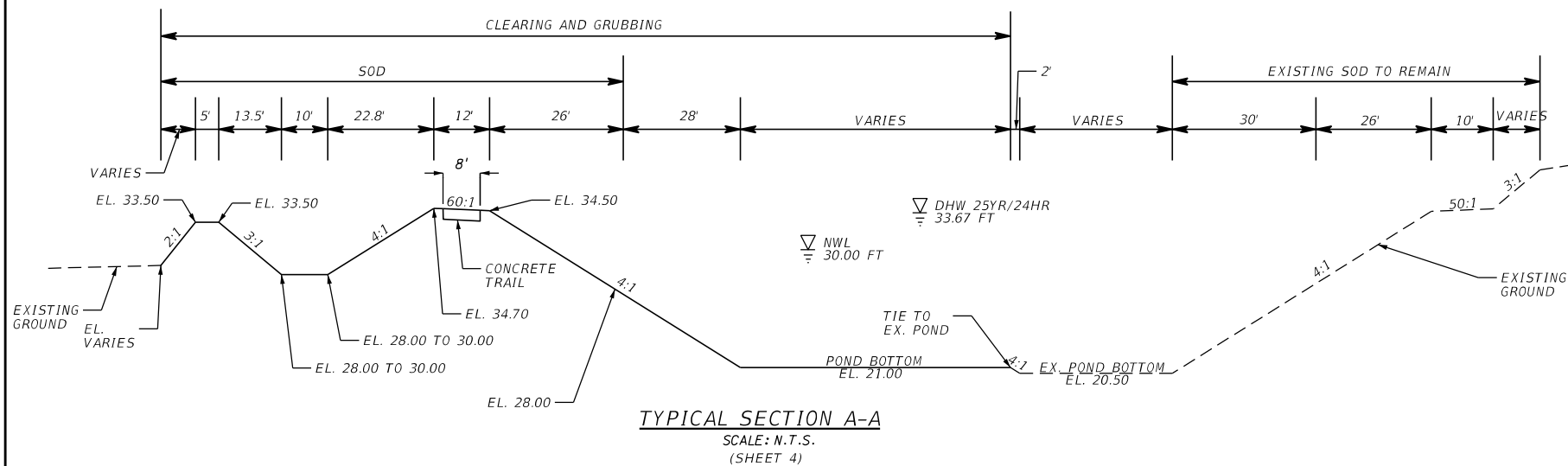
OUTFALL STRUCTURE (OUT-1, OUT-2 AND OUT-3) - DBI TYPE G MODIFIED
SCALE: N.T.S.

	TOP (A)	ORIFICE INVERT (B)	ORIFICE SIZE (C)	WEIR INVERT (D)	PIPE INV. IN (E)	PIPE INV. OUT (F)	WEIR TOP (G)	STRUCTURE BOTTOM (H)
REGIONAL POND	34.70'	30.00'	5"	32.30'	25.90'	28.10'	32.30'	25.00'

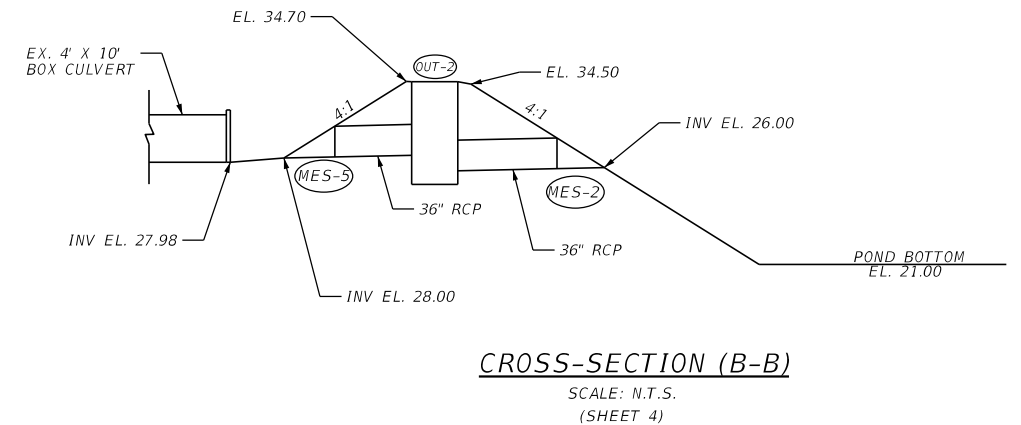


NOTES:

- CONTRACTOR SHALL ACQUIRE BRASS DISK FROM THE COUNTY. BRASS DISK SHALL BE PERMANENTLY SET IN TOP OF CONTROL STRUCTURE USING NON-SHRINK GROUT. ELEVATION SHALL BE CERTIFIED BY A FLORIDA REGISTERED PROFESSIONAL SURVEYOR.
- CONTACT: ORANGE COUNTY ENGINEERING
201 ROSALIND AVENUE
ORLANDO, FL 32801
- ATTACH SKIMMER TO STRUCTURE PER FDOT INDEX 240.

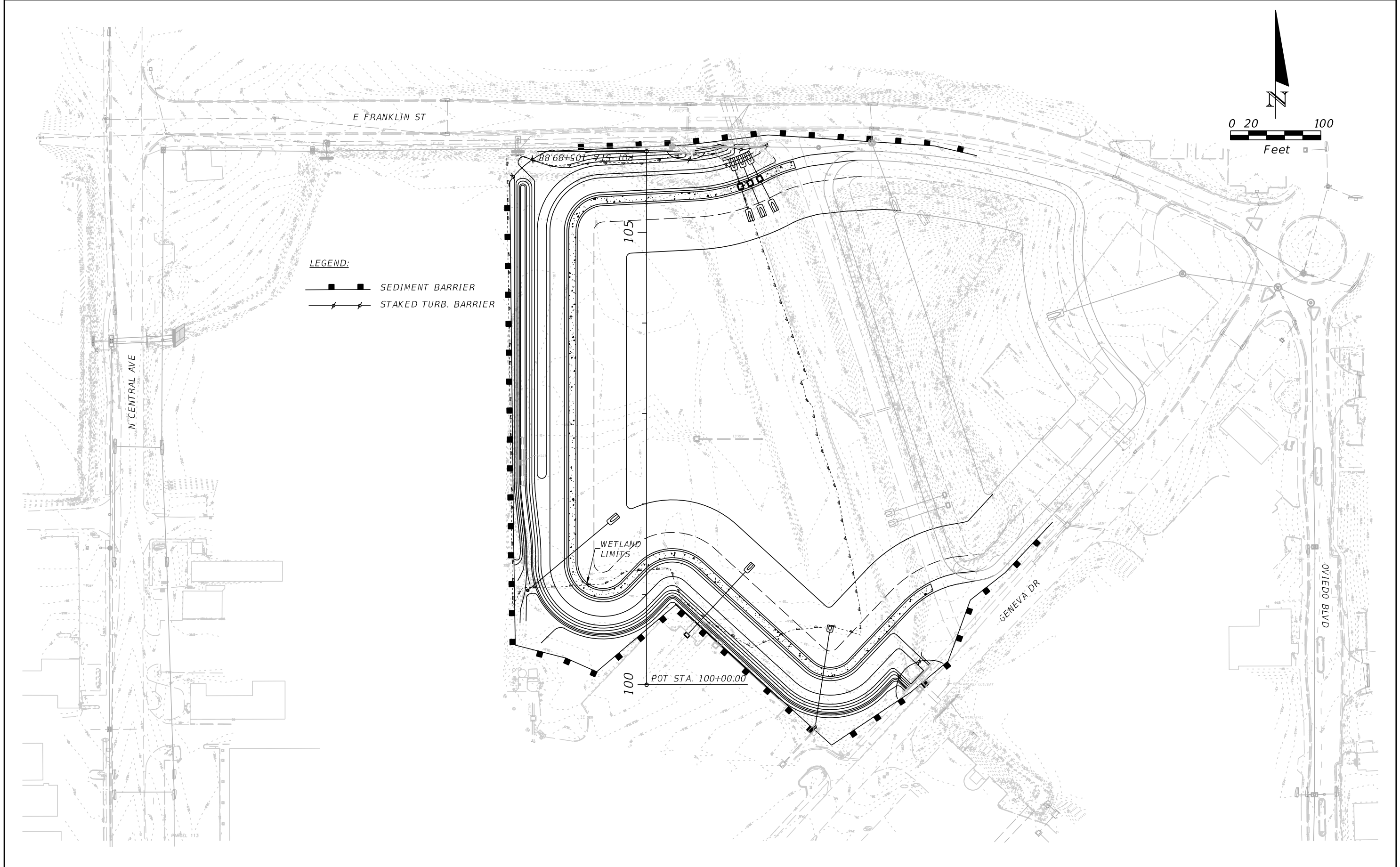


TYPICAL SECTION A-A
SCALE: N.T.S.
(SHEET 4)



CROSS-SECTION (B-B)
SCALE: N.T.S.
(SHEET 4)

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DATE	DESCRIPTION	DATE	DESCRIPTION					



REVISIONS				 Engineers / Scientists Planners / Designers 225 E. Robinson Street, Suite 300 Orlando, FL 32801 (407) 839-4006 Certificate of Authorization # 3932 Paul W. Yeargan, P.E. PE # 50682	 CITY OF OVIEDO FLORIDA	STORMWATER POLLUTION PREVENTION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				7

1.0

SITE DESCRIPTION:

1.A.

NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT INCLUDES CONSTRUCTION OF A REGIONAL STORMWATER MANAGEMENT POND, DISCHARGE STRUCTURE, INLETS, AND PIPES TO RECEIVE STORMWATER RUNOFF FROM PORTIONS OF DOWNTOWN OVIEDO, FLORIDA.

1.B.

SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

1.

CLEARING AND GRUBBING, EARTHWORK, AND STORM DRAIN CONSTRUCTION FOR THE OUTFALL FROM THE PONDS.

2.

CLEARING AND GRUBBING, EARTHWORK FOR POND CONSTRUCTION.

1.C.

AREA ESTIMATES:

TOTAL SITE AREA:

6.73 ACRES

TOTAL AREA TO BE DISTURBED:

6.73 ACRES

1.D.

RUNOFF DATA:

RUNOFF COEFFIECIENTS:

BEFORE: 0.55

DURING: VARIES FROM 0.55

AFTER: 0.55

SOILS DATA:

THE LOCATIONS OF THE SOIL BORINGS COMPLETED IN THE POND ARE SHOWN ON THE POND DETAIL SHEETS. THE NUMBERS FOR THESE ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS. IN GENERAL, THE SOILS ARE VERY LOOSE TO LOOSE FINE SAND TO SILTY FINE SAND TO SANDY MUCK TO DEPTHS OF 8 TO 9 FEET. BELOW THIS LAYER, MEDIUM DENSE FINE SAND WAS TYPICALLY ENCOUNTERED TO THE TERMINATION DEPTHS OF THE BORINGS.

OUTFALL INFORMATION:

THERE IS 1 OUTFALL.

#1 DESCRIPTION:

EXISTING SWEETWATER CREEK ON NORTH SIDE OF POND.

LOCATION:

LATITIUDE 28° 40' 22.82" N, LONGITUDE, 81° 12' 23.60" W.

EST. DRAINAGE AREA SIZE:

58.03 ACRES

RECEIVING WATER NAME:

SWEETWATER CREEK.

1.E.

SITE MAP:

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

* DRAINAGE PATTERNS:

THE DRAINAGE BASIN DIVIDES AND FLOW DIRECTIONS ARE SHOWN ON THE DRAINAGE MAPS. ARROWS POINTING TO THE PROFILE INDICATE RUNOFF COMING TO THE SITE. POINTING AWAY FROM THE SITE INDICATE RUNOFF LEAVING THE SITE.

*APPROXIMATE SLOPES:

THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS SECTION SHEETS AND THE PLAN SHEETS. THERE ARE POND CROSS SECTIONS LOCATED WITH THE POND DETAIL SHEETS.

*AREAS OF SOIL DISTURBANCE:

THE AREAS TO BE DISTURBED ARE INDICATED ON THE PLAN SHEETS, THE CROSS SECTION SHEETS, AND THE POND DETAIL SHEETS. ANY AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED.

*AREAS NOT TO BE DISTURBED:

ESSENTIALLY THE WHOLE PROJECT WILL BE DISTURBED DURING CONSTRUCTION.

*LOCATIONS OF TEMPORARY CONTROLS:

THESE ARE SHOWN ON THE EROSION CONTROL SHEETS EXCEPT FOR THE CONTROLS ASSOCIATED WITH THE BOX CULVERT REPLACEMENT WHICH ARE SHOWN ON THE BOX CULVERT CONSTRUCTION DETAIL SHEET. TABLES PROVIDING SUMMARIES OF TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS ARE PROVIDED IN THE SUMMARY OF QUANTITY SHEETS.

* LOCATIONS OF PERMANENT CONTROLS:

THE STORMWATER POND IS THE PRIMARY PERMANENT STORMWATER MANAGEMENT CONTROL. THEY ARE SHOWN ON THE POND DETAIL SHEET.

* AREAS TO BE STABILIZED:

TEMPORARY STABILIZATION PRACTICES ARE SHOWN IN THE SAME LOCATION AS THE TEMPORARY CONTROLS MENTIONED ABOVE. PERMANENT STABILIZATION IS SHOWN ON THE STORMWATER POLLUTION PREVENTION SHEETS AND THE POND DETAIL SHEET.

* SURFACE WATERS:

THE ONLY SURFACE WATER WITHIN THE SITE IS LOCATED ON THE EAST SIDE OF THE PROPOSED POND IN SWEETWATER CREEK NEAR THE DISCHARGE POINT

* DISCHARGE POINTS TO SURFACE WATERS:

THERE IS ONLY ONE. THIS IS SHOWN ON THE PLAN SHEETS ON THE NORTH SIDE OF THE PROPOSED POND.

1.F.

RECEIVING WATERS:

SEE ITEM 1.D. FOR THE OUTFALL LOCATIONS AND RECEIVING WATER NAMES. THERE ARE WETLAND AREAS ON THE PROJECT SITE.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

v

h

b

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PE # 50682

OVIEDO FLORIDA

INC. 1925

CITY OF OVIEDO

FLORIDA

STORMWATER POLLUTION

PREVENTION NOTES 01

SHEET NO.

8

hmartinez

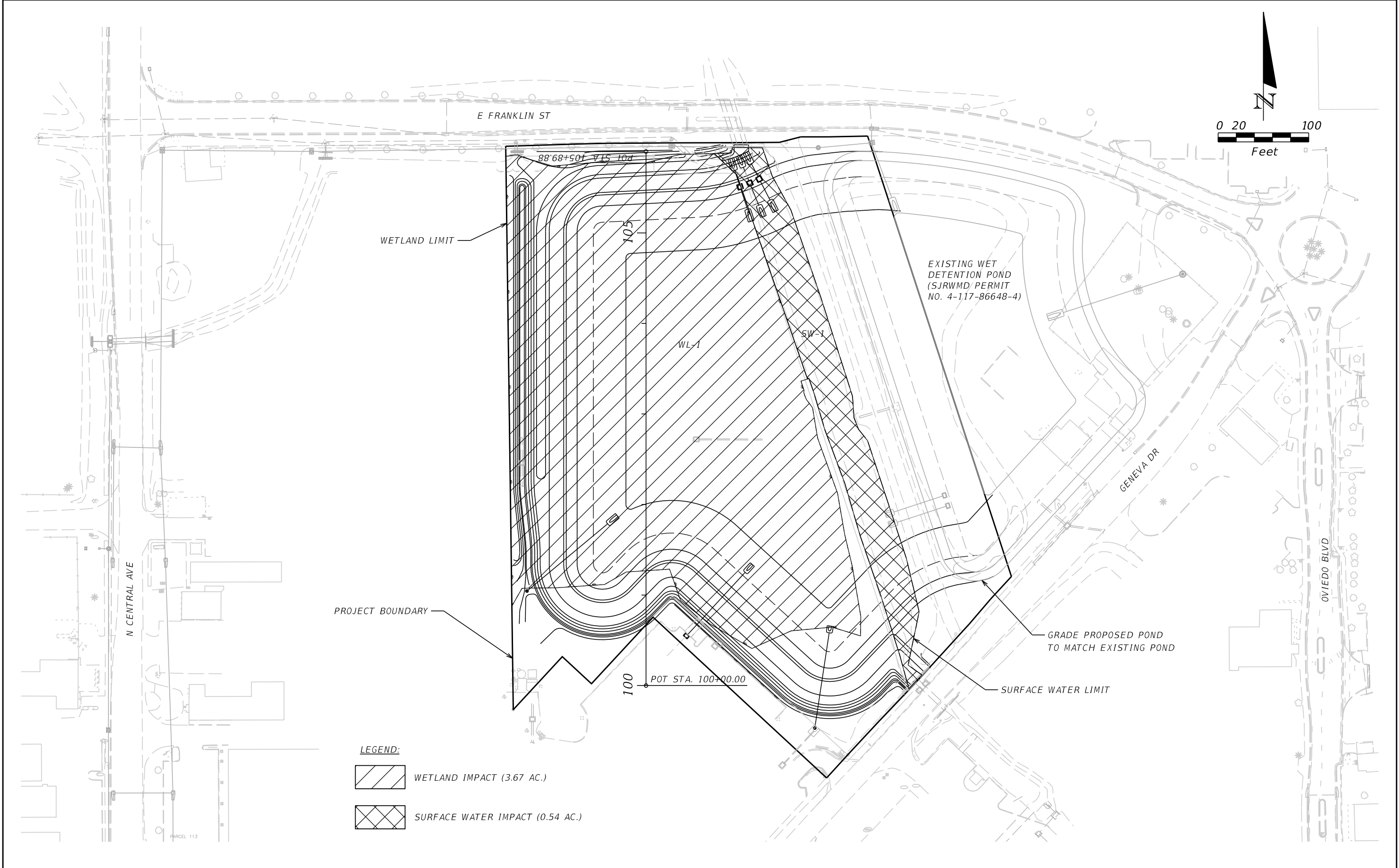
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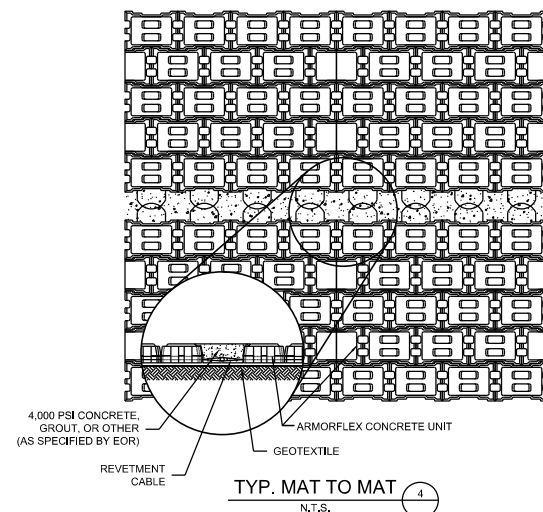
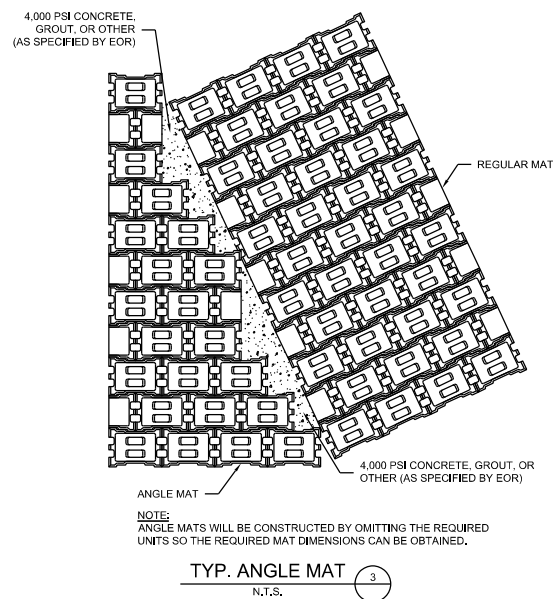
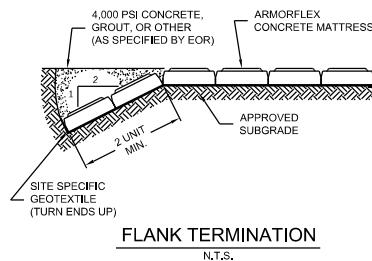
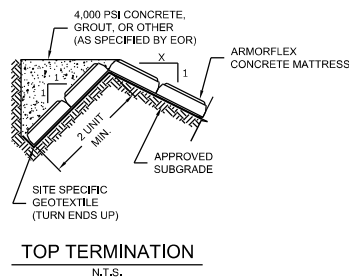
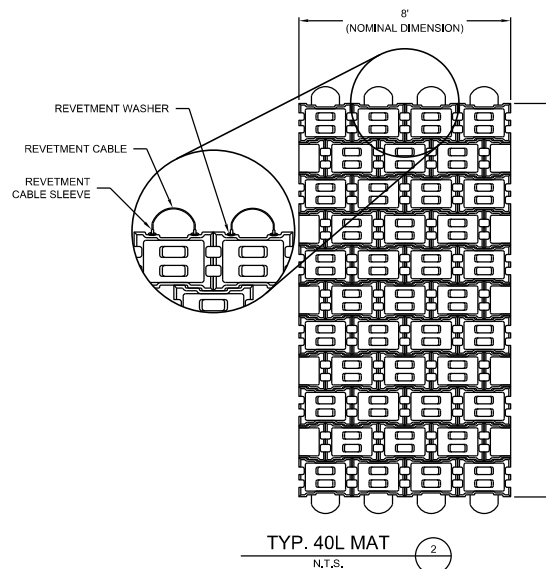
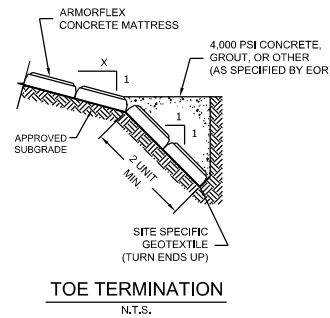
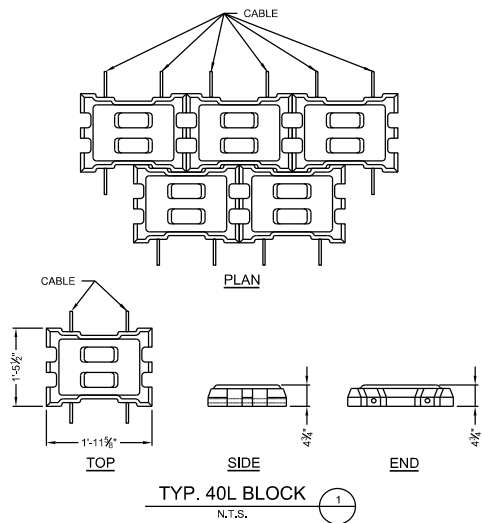
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2.0CONTROLS:				2.COTHER CONTROLS:				3.0MAINTENANCE:			
2.AEROSION AND SEDIMENT CONTROLS:				2.C.1WASTE DISPOSAL:				IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGH CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING:			
IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES BASED ON THE CONTRACTOR'S PROPOSED TEMPORARY TRAFFIC CONTROL (TTC) PLAN. THE FOLLOWING RECOMMENDED GUIDELINES ARE BASED ON THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINED IN THE CONSTRUCTION PLANS. WHERE FOLLOWING THE TEMPORARY TRAFFIC CONTROL PLAN OUTLINED IN THESE CONSTRUCTION PLANS, THE CONTRACTOR MAY CHOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE SEDIMENT AND EROSION CONTROL PLAN, SUBJECT TO APPROVAL BY THE ENGINEER. AS WORK PROGRESSES, THE CONTRACTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER PRACTICES.				IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:				* SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.			
FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.				* PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.				* TURBIDITY BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.			
2.A.1STABILIZATION PRACTICES:				* DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.				* PONDS: THE POND IS A TEMPORARY SEDIMENT BASINS UNTIL THE AREAS THAT DRAIN TO IT IS STABILIZED, SO UNTIL THEN, REMOVE SEDIMENT FROM THE POND WHEN IT BECOMES 1.5' DEEP AT ANY POINT.			
IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.				* DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS, OR WETLANDS.				4.0INSPECTIONS:			
TEMPORARY:				2.C.2OFF-SITE VEHICLE TRACKING & DUST CONTROL:				QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.			
* ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.				IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.				* POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES.			
* TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.				* COVERING LOADED HAUL TRUCKS WITH TARPAULINS.				* POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM DRAIN SYSTEMS.			
PERMANENT:				* REMOVING EXCESS DIRT FROM ROADS DAILY.				* DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.			
* ASPHALT OR CONCRETE SURFACE.				* STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO DESIGN STANDARD 106.				* AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.			
* SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.				* USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.				* STRUCTURAL CONTROLS.			
2.A.2STRUCTURAL PRACTICES:				2.C.3STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS:				* STORMWATER MANAGEMENT SYSTEMS.			
IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:				IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.				* LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.			
TEMPORARY:				2.C.4FERTILIZERS AND PESTICIDES:				THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.			
* SEDIMENT BARRIERS IN ACCORDANCE WITH DESIGN STANDARD 102 AND SPECIFICATION SECTION 104.				IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 570 OF THE SPECIFICATIONS.				IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.			
* INLET PROTECTION IN ACCORDANCE WITH DESIGN STANDARD 102				2.C.5TOXIC SUBSTANCES:				5.0NON-STORMWATER DISCHARGES:			
TEMPORARY:				IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.				IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, CONTACT IMMEDIATELY CONTACT THE ENGINEER OF RECORD (407-839-4006) AND CITY OF OVIEDO STAFF (407-971-5640).			
PERMANENT:				2.D.4APPROVED STATE AND LOCAL PLANS AND PERMITS:							
* STORMWATER PONDS.				* FDEP RULE CHAPTER 62-25 F.A.C. SJRWMD (UNDER REVIEW) ACOE (UNDER REVIEW)							
* SOD.											
2.BSTORMWATER MANAGEMENT:											
ONE (1) STORMWATER POND WILL BE CONSTRUCTED. THE FACILITIES WILL BE PERMITTED BY THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (SJRWMD), THE U.S. ARMY CORPS OF ENGINEERS (ACOE), THE CITY OF OVIEDO, AND COMPLY WITH APPLICABLE DESIGN STANDARDS.											

REVISIONS				 Engineers / Scientists Planners / Designers 225 E. Robinson Street, Suite 300 Orlando, FL 32801 (407) 839-4006 Certificate of Authorization # 3932 Paul W. Yeargain, P.E. PE # 50682		CITY OF OVIEDO FLORIDA	<i>STORMWATER POLLUTION PREVENTION NOTES 02</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION					9



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DATE	DESCRIPTION	DATE	DESCRIPTION					10



REVISIONS					CITY OF OVIEDO FLORIDA	ARMOR FLEX DETAIL SHEET	SHEET NO. 12
DATE	DESCRIPTION	DATE	DESCRIPTION				
				 Engineers / Scientists Planners / Designers 225 E. Robinson Street, Suite 300 Orlando, FL 32801 (407) 839-4006 Certificate of Authorization # 3932 Paul W. Yeargain, P.E. PE # 50682			