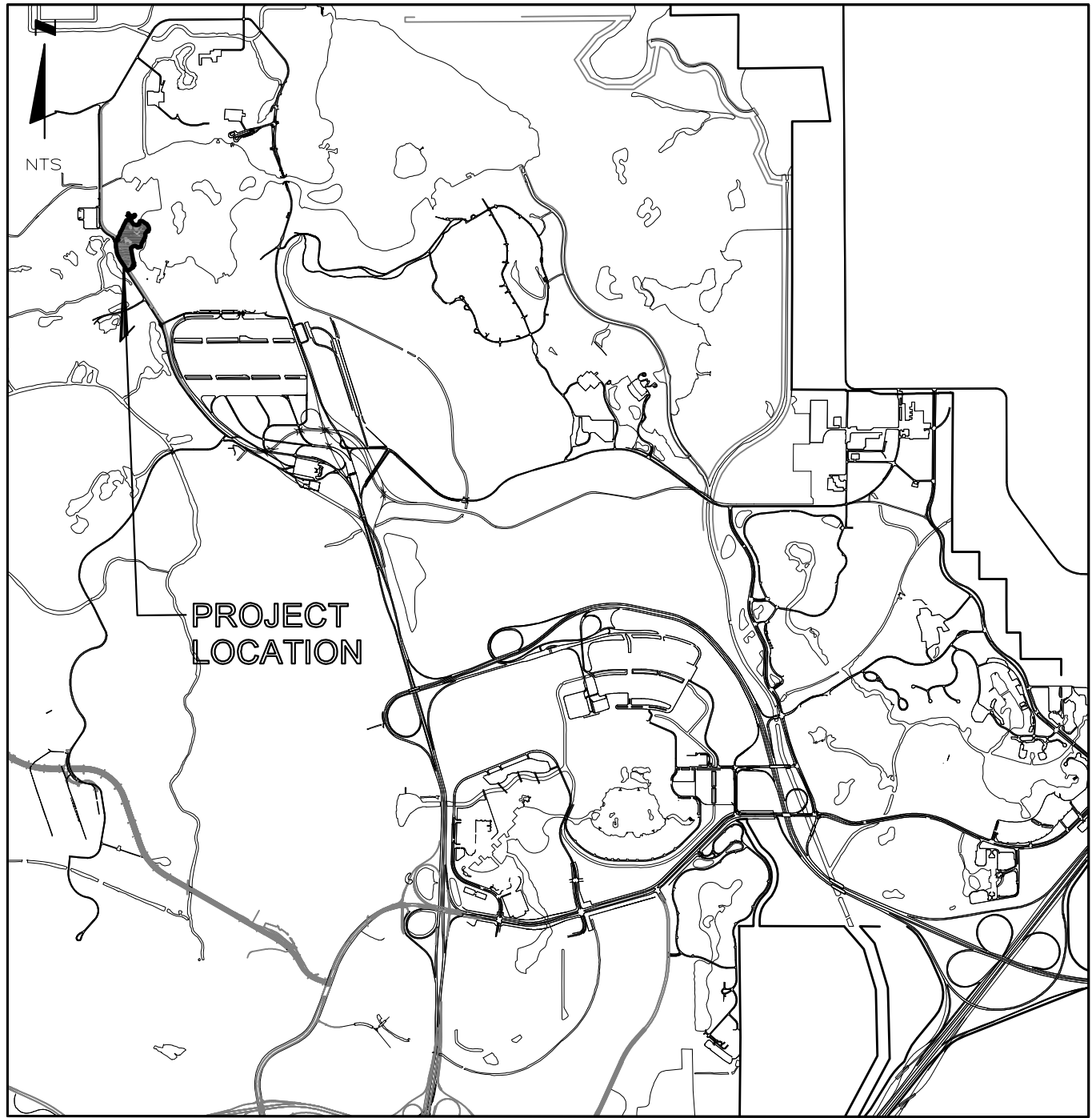


PROJECT 2011-1

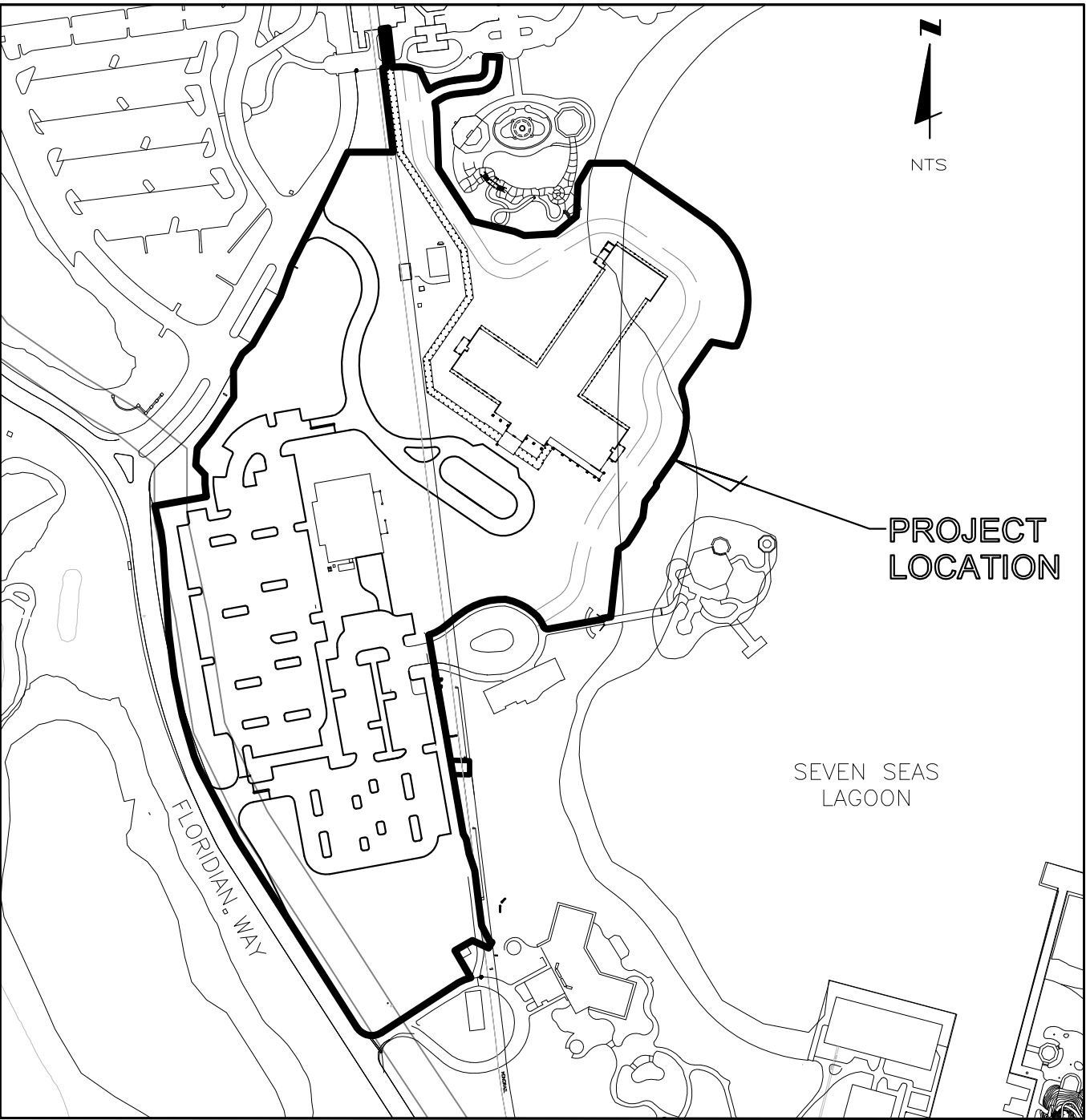
INDEX OF DRAWINGS

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C-201	EXISTING CONDITIONS, LIMITS OF CONSTRUCTION & EROSION CONTROL PLAN
C-202	EXISTING CONDITIONS, LIMITS OF CONSTRUCTION & EROSION CONTROL PLAN
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C-205	DEMOLITION PLAN
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C-401	PAVING, GRADING & DRAINAGE PLAN
C-402	PAVING, GRADING & DRAINAGE PLAN
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C-702	100 YEAR FLOODPLAIN COMPENSATION AREA PLAN
C-705	DRAINAGE AND EROSION CONTROL DETAILS
C-707	DRAINAGE DETAILS

VICINITY MAP



LOCATION MAP



PREPARED BY:

PBSJ
an Atkins company
5300 W. BOY SCOUT BOULEVARD
TAMPA, FLORIDA 33607
FBPR CERTIFICATE OF AUTHORIZATION NO.24

482 SOUTH KELLER RD
ORLANDO, FL 32810
TEL. (407) 847-7275
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FEBRUARY 2011

RCID SUBMITTAL

GENERAL

1. COORDINATE CONSTRUCTION UNDER THIS CONTRACT WITH ALL OTHER SITE CONSTRUCTION AND/OR ADJACENT OFF SITE CONSTRUCTION.
2. FIELD SURVEY THE CONSTRUCTION LIMITS AND INSTALL STAKES WITH COLORED RIBBONS FOR OWNER'S REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. AFTER APPROVAL, INSTALL ALL REQUIRED EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO START OF CONSTRUCTION.
3. CLEAR, GRUB, AND STRIP ALL AREAS WITHIN THE LIMITS OF CONSTRUCTION UNLESS OTHERWISE NOTED.
4. WALT DISNEY WORLD VERTICAL DATUM (NGVD--'29). COORDINATES BASED ON WALT DISNEY WORLD HORIZONTAL DATUM.
5. PROTECT ANY NGVD--'29 MONUMENTS LOCATED WITHIN THE LIMITS OF CONSTRUCTION. IF THE CORNER MONUMENT IS IN DANGER OF BEING DESTROYED OR DAMAGED, NOTIFY THE FOLLOWING PRIOR TO CONSTRUCTION:
OCEAN SERVICE ADVISOR
C/O DEPARTMENT OF NATURAL RESOURCES
BUREAU OF SURVEYING AND MAPPING
3900 COMMONWEALTH BOULEVARD
TALLAHASSEE, FLORIDA 32030
9850) 488-2427
6. PROTECT ANY PUBLIC LAND CORNER MONUMENT LOCATED WITHIN THE LIMITS OF CONSTRUCTION. IF THE CORNER MONUMENT IS IN DANGER OF BEING DESTROYED OR DAMAGED, NOTIFY THE OWNER PRIOR TO CONSTRUCTION.
7. THE LOCATION OF ALL EXISTING UTILITIES AND DRAINAGE STRUCTURES SHOWN ARE BASED ON AVAILABLE INFORMATION. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL FIELD LOCATE ALL EXISTING FACILITIES WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION.
8. ALL WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS CONTAINED HEREIN AND/OR OTHERWISE REQUIRED BY APPLICABLE FEDERAL, STATE AND LOCAL CODES, ORDINANCES, AND REGULATIONS. IN THE EVENT OF A CONFLICT BETWEEN THE REQUIREMENTS, THE MOST STRINGENT SHALL APPLY AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
9. ALL HANDICAP ACCESSIBLE PARKING SPACES, RAMPS, AND SIDEWALKS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE AMERICAN DISABILITIES ACT, AND THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, WHICHEVER IS MORE STRINGENT.
10. ALL FLORIDA DEPARTMENT OF TRANSPORTATION INDEXES REFER TO THE LATEST EDITION OF THE DESIGN STANDARDS.
11. CONTRACTOR SHALL MAINTAIN DAILY RECORD DRAWINGS INCLUDING DATA RELATED TO ALL SURFACE FEATURES AT ALL TIMES DURING CONSTRUCTION. RECORD DRAWING INFORMATION SHALL INCLUDE (AT A MINIMUM) HORIZONTAL LOCATIONS AND INVERT ELEVATIONS, AND CLEARANCE DISTANCES BETWEEN PIPE CROSSINGS (AND TOP ELEVATION IF APPLICABLE) OF ALL DRAINAGE AND UTILITY PIPE SYSTEMS INCLUDING IRRIGATION SLEEVES AND MATERIALS AND SIZES OF ALL DRAINAGE AND UTILITY FEATURES. INFORMATION SHALL BE LEGIBLY HAND WRITTEN ON THE MOST CURRENT SET OF CONSTRUCTION DRAWINGS, AS WELL AS TYPE WRITTEN IN TABULAR FORMAT. UPON COMPLETION OF THE PROJECT SUBMIT ONE COMPLETE SET OF RECORD DRAWINGS CERTIFIED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA.
12. UTILITY COMPANY POINTS OF CONTACT ARE SHOWN FOR INFORMATION PURPOSES ONLY. DIRECTION ON UTILITY CONSTRUCTION WILL BE PROVIDED BY THE WDI CONSTRUCTION MANAGER.

UTILITIES (WATER, RECLAIMED, SANITARY)

REEDY CREEK ENERGY SERVICES
5300 N. Center Drive
Lake Buena Vista, FL 32830

TED MCKIM (407) 824-4759
CHIEF CIVIL ENGINEER

NATURAL GAS

REEDY CREEK ENERGY SERVICES
5300 N. Center Drive
Lake Buena Vista, FL 32830

ED GODWIN (407) 824-4943
CHIEF MECHANICAL ENGINEER

TELECOMMUNICATIONS

SMART CITY TELECOM
3100 Bonnet Creek Road
Lake Buena Vista, FL 32830

DAVE CAWLEY (407) 828-6648

WALT DISNEY WORLD - PROPERTY WIDE SYSTEMS STEVE MEYER (407) 934-7150
P.O. BOX 10000
3383 E. VISTA BLVD., TRAILER R-104
Lake Buena Vista, FL 32830

ELECTRICAL DISTRIBUTION

REEDY CREEK ENERGY SERVICES
P.O. BOX 10000
Lake Buena Vista, FL 32830

JERRY MURPHY (407) 824-4194
CHIEF ELECTRICAL ENGINEER

STORMWATER/DRAINAGE

REEDY CREEK IMPROVEMENT DISTRICT (ROID)
ENVIRONMENTAL PERMITTING & ENGINEERING
1900 Hotel Plaza Boulevard
Lake Buena Vista, FL 32830

KATE KOLBO (407) 828-2250

13. IF HISTORICAL OR ARCHEOLOGICAL ARTIFACTS, SUCH AS INDIAN ARTIFACTS, ARE DISCOVERED AT ANY TIME WITHIN THE PROJECT SITE, IMMEDIATE NOTIFICATION SHALL BE PROVIDED TO THE FOLLOWING:
- THE OWNER
- THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT OFFICE (407) 858-6100
- THE BUREAU OF HISTORIC PRESERVATION, (850) 245-6300
DIVISION OF HISTORICAL RESOURCES, R.A.
GRAY BUILDING, 500 S. BRONOUGH STREET, TALLAHASSEE, FL. 32399-0250
14. CONSTRUCTION SITE ACCESS SHALL BE VIA WORLD DRIVE AND FLORIDIAN WAY. THE ACCESS TO AND FROM THE SITE MAY FROM TIME TO TIME CHANGE AT THE DIRECTION OF THE OWNER.
15. CONTRACTOR TO PROVIDE AND MAINTAIN AT NO EXPENSE TO THE OWNER, ALL NECESSARY ROADS OR TRAILS FOR HAULING.
16. DURING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE TEMPORARY SEEDING AND MULCHING OR SOD FOR AREAS THAT HAVE BEEN CLEARED AND NOT REWORKED WITHIN 7 CALENDAR DAYS DURING THE WET SEASON (APRIL THROUGH SEPTEMBER) AND 14 CALENDAR DAYS DURING THE DRY SEASON (OCTOBER THROUGH MARCH). ALSO, ALL SIDE SLOPES SHALL BE SODDED OR SEEDDED AND MULCHED WITHIN 7 DAYS DURING WET SEASON AND 14 DAYS DURING THE DRY SEASON.
17. CONTRACTOR TO PROVIDE A CLEANING FACILITY ON SITE TO CLEAN/REMOVE MUD FROM CONSTRUCTION VEHICLES BEFORE THEY ARE ALLOWED TO LEAVE THE CONSTRUCTION SITE. MUD TRACKING ON EXISTING ROADWAYS IS NOT PERMITTED.
18. CONTRACTOR SHALL COMPLY WITH OSHA AND JOB SAFETY REGULATIONS AT ALL TIMES.
19. CONTRACTOR SHALL PROVIDE BROOM TRUCK-SWEEPER TO CLEAN/REMOVE EXCESS DIRT/DEBRIS FROM ROADWAY INTERSECTIONS, OFF RAMPS, ETC. AS NECESSARY.
20. ALL DUCT BANKS SHALL HAVE A 6" RISE HIGH POINT (INVERT ELEVATION) AT THE CENTER OF THE RUN.

DEMOLITION

1. UNLESS OTHERWISE NOTED, ALL DEMOLISHED MATERIALS (PAVING, CURB, UTILITY PIPE, ETC.) SHALL BE REMOVED AND DISPOSED OF OFF SITE. NOTHING IDENTIFIED FOR DEMOLITION SHALL BE ABANDONED IN PLACE.
2. CONTRACTOR SHALL CLEAR AND GRUB THE SITE AS NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS.
3. CONTRACTOR SHALL TAKE DUE CARE DURING THE DEMOLITION AND REMOVAL OF EXISTING UTILITIES, DUCT BANKS, AND CONDUIT TO PREVENT UNWANTED DAMAGE TO THE EXISTING FACILITIES TO REMAIN.

GEOTECHNICAL INFORMATION

1. GROUNDWATER TABLE INFORMATION WAS OBTAINED FROM PROFESSIONAL SERVICE INDUSTRIES (PSI) REPORT, "SUMMARY OF FINDINGS, DESIGN LEVEL GEOTECHNICAL SERVICES, PROPOSED GRAND FLORIDIAN ANNEX, WALT DISNEY WORLD, FLORIDA, PSI PROJECT NO. 0757425", DATED SEPTEMBER 21, 2010, WHICH IS PROVIDED IN THE TECHNICAL SPECIFICATIONS MANUAL.

SURVEY INFORMATION

1. EXISTING TOPO AND SURVEY INFORMATION RECEIVED FROM RCES. FOR ADDITIONAL INFORMATION, CONTACT JEFF GREEN AT (407) 560-7838.
2. ELECTRONIC DESIGN (CADD) FILES WILL BE PROVIDED TO THE CONTRACTOR BY THE ENGINEER FOR CONSTRUCTION LAYOUT.
3. RCES IS TO BE NOTIFIED WHEN ANY MONUMENTS OR SECTION CORNERS ARE FOUND WITHIN THE PROJECT LIMITS. ANY ALTERATIONS TO THESE MONUMENTS MUST BE DONE BY RCES SURVEY AND MAPPING.

EROSION CONTROL

1. PROVIDE EROSION AND SEDIMENTATION CONTROL MEASURES CONSISTING OF STAKED SILT FENCE ALONG THE PROPOSED LIMITS OF CONSTRUCTION OR AS INDICATED ON THE DRAWINGS. PROVIDE ADDITIONAL MEASURES AS NECESSARY UTILIZING INDUSTRY STANDARD BEST MANAGEMENT PRACTICES TO AVOID ADVERSE IMPACTS TO JURISDICTIONAL AREAS (WETLANDS OR WATER BODIES) AND OFF SITE LANDS AND WATER BODIES. MAINTAIN THESE MEASURES DAILY UNTIL CONSTRUCTION ACCEPTANCE BY THE OWNER AND THEN REMOVE AND LEGALLY DISPOSE OF SAID MEASURES.
2. NO DISCHARGE OF CONTAMINANTS INTO SURFACE WATERS WILL BE PERMITTED AT ANY TIME.
3. DAMAGE TO SURFACE WATERS ADJACENT TO CONSTRUCTION AREAS SHALL BE PREVENTED BY DELINEATING THE LIMITS OF CONSTRUCTION, AND INSTALLING SILT FENCES AND SEDIMENT BARRIERS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, THEREBY RETAINING SEDIMENT WITHIN THE CONSTRUCTION AREA. CONTRACTORS WILL BE REQUIRED TO ADEQUATELY MAINTAIN THESE PROTECTION MEASURES AT ALL TIMES.
4. EROSION CONTROL SHALL BE MAINTAINED WITHIN CONSTRUCTION AREAS BY QUICKLY STABILIZING DISTURBED AREAS TO PREVENT THE RELEASE OF SEDIMENT. THIS SHALL BE ACCOMPLISHED USING GRASS COVER, TURBIDITY FENCES, AND OTHER MEANS ACCEPTABLE TO OWNER, ENGINEER AND REGULATORY AGENCIES.
5. TURBIDITY BARRIERS (SILT BOOMS) SHALL BE USED IN POND AND WATERWAY AREAS TO PREVENT RELEASE OF SEDIMENT AND/OR TURBID WATER INTO SURROUNDING WATERS. THESE SEDIMENT AND TURBIDITY BARRIERS SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TURBIDITY LEVELS IN SENSITIVE AREAS SHALL BE CLOSELY MONITORED BY THE REEDY CREEK IMPROVEMENT DISTRICT DURING CONSTRUCTION.
6. DURING CONSTRUCTION THE CONTRACTOR SHALL MODIFY OR RELOCATE THE SILT FENCE (WITH OWNER'S PRIOR APPROVAL) TO ALLOW FOR ITS ACCESS AND TO COMPLETE CONSTRUCTION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ADEQUATE EROSION CONTROL AT ALL TIMES.
7. ALL EROSION PREVENTION AND CONTROL MEASURES MUST BE INSPECTED AND APPROVED BY RCID COMPLIANCE PERSONNEL PRIOR TO ANY CONSTRUCTION ACTIVITIES. REMOVAL OF THESE SAME EROSION CONTROLS AND PREVENTION MEASURES MAY BE DONE ONLY AFTER AUTHORIZATION BY RCID COMPLIANCE PERSONNEL IS OBTAINED.
8. ALL SURFACE WATER DISCHARGE FROM SITE, INCLUDING DEWATERING DISCHARGE, SHALL MEET STATE WATER QUALITY STANDARDS (LESS THAN 29 NTU ABOVE BACKGROUND) PRIOR TO REACHING ANY WATERS OF THE STATE INCLUDING WETLANDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMAIN IN COMPLIANCE WITH THE FDEP GENERAL PERMIT TO DISCHARGE PRODUCED GROUNDWATER OFFSITE.
9. IN THE EVENT THAT THE EROSION PREVENTION AND CONTROL DEVICES SHOWN IN THESE DRAWINGS PROVE NOT TO BE EFFECTIVE, ALTERNATE METHODS FOR MAINTAINING STATE WATER QUALITY STANDARDS FOR DISCHARGE FROM THE CONSTRUCTION SITE WILL BE REQUIRED. ONE EFFECTIVE ALTERNATIVE METHOD INCLUDES THE INTRODUCTION OF ALUMINUM SULFATE (ALUM) INTO DISCHARGE FROM THE CONSTRUCTION SITE. PLEASE NOTE THAT ANY ALTERNATIVE EROSION PREVENTION AND CONTROL DEVICES MUST BE APPROVED BY RCID COMPLIANCE PERSONNEL PRIOR TO PLACEMENT.
10. EROSION AND DUST CONTROL SHALL BE MAINTAINED WITHIN CONSTRUCTION AREAS BY QUICKLY STABILIZING DISTURBED AREAS TO PREVENT THE RELEASE OF SEDIMENT. THIS SHALL BE ACCOMPLISHED USING GRASS COVER, TURBIDITY FENCES, PERIODIC WATERING, AND OTHER BEST MANAGEMENT PRACTICES FOUND IN THE STORMWATER POLLUTION PREVENTION PLAN, WHICH ARE ACCEPTABLE TO THE CONSTRUCTION MANAGER, ENGINEER, AND REGULATORY AGENCIES.
11. ALL STORM DRAINAGE INLETS AND PIPES SHALL BE PROTECTED FROM SILT, SAND AND DEBRIS DURING CONSTRUCTION. ANY ACCUMULATION WITHIN THE STORM DRAINAGE PIPE SYSTEM SHALL BE REMOVED WITHOUT PUMPING OR FLUSHING INTO THE PONDS. STORM DRAINAGE SYSTEM SHALL BE CLEANED AND FREE OF DEBRIS PRIOR TO CONSTRUCTION MANAGER'S ACCEPTANCE.
12. PROVIDE FILTER FABRIC UNDER THE GRATE OF ALL DITCH BOTTOM INLETS. MAINTAIN THESE MEASURES DAILY (WHICH MAY INCLUDE FULL REPLACEMENT AT THE DISCRETION OF THE CONSTRUCTION MANAGER) TO MINIMIZE SILT ACCUMULATION IN THE STORM DRAINAGE SYSTEM.

DRAINAGE

1. ALL STORM DRAINAGE PIPE SHALL BE AT A MINIMUM CLASS III, WALL B, REINFORCED CONCRETE PIPE (RCP), PER ASTM C-76, UNLESS OTHERWISE NOTED.
2. ALL DRAINAGE STRUCTURES MUST BE CLEAR OF SILT, SAND AND DEBRIS BEFORE ACCEPTANCE, IN ADDITION TO THE REQUIREMENTS IN THE PROJECT MANUAL, ALL DRAINAGE SYSTEM CONSTRUCTION SHOULD BE COMPLETED IN ACCORDANCE WITH REEDY CREEK IMPROVEMENT DISTRICT SPECIFICATIONS.
3. ALL STORM DRAINAGE MANHOLE COVERS ARE TO BE THE APPROVED REEDY CREEK IMPROVEMENT DISTRICT CUSTOM COVERS. CONTRACTOR TO PROTECT MANHOLE COVERS FROM DAMAGE THROUGHOUT PROJECT CONSTRUCTION.
4. SOD OR RESOD AREAS DISTURBED DURING CONSTRUCTION OF STORM DRAINAGE THROUGH EXISTING FACILITIES OR PONDS.
5. ALL RCP DRAINAGE PIPE JOINTS TO BE WRAPPED WITH FILTER FABRIC CLOTH PER FDOT INDEX #280.
6. TEMPORARY CAPS ARE REQUIRED AS NEEDED TO PROVIDE CLEAR STREETS DURING CONSTRUCTION.
7. MITERED END SECTIONS SHALL BE NO LESS THAN 4" THICK CONCRETE (2500 P.S.I. IN 28 DAYS.)

SIGNING AND PAVEMENT MARKINGS

1. ALL FINAL PAVEMENT MARKINGS SHALL BE ALKYD THERMOPLASTIC. ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAINT. REFER TO TECHNICAL SPECIFICATIONS FOR ADDITIONAL DETAILS.
2. CONTRACTOR TO RELOCATE EXISTING AND INSTALL NEW SIGNAGE WHERE INDICATED ON THE DRAWINGS, IF REQUIRED.
3. ALL REGULATORY SIGNS SHALL BE RETRO REFLECTIVE USING DG-CUBED REFLECTIVE MATERIAL. SIGNING AND PAVEMENT MARKINGS ARE TO BE PLACED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE FDOT DESIGN STANDARDS AND THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
4. PAVEMENT MARKINGS AT ALL EXISTING/PROPOSED INTERFACE LOCATIONS ARE TO MATCH IN TERMS OF ALIGNMENT AND COLOR.
5. CAUTION SHOULD BE EXERCISED IN THE INSTALLATION OF POST MOUNTED SIGNS IN ORDER TO PREVENT POSSIBLE DAMAGE TO BURIED UTILITIES.

POTABLE WATER, SANITARY SEWER, AND RECLAIMED WATER UTILITY NOTES

1. ALL UTILITY WORK SHALL CONFORM TO AND SHALL BE INSTALLED, TESTED AND CLEARED FOR SERVICE IN ACCORDANCE WITH THE "REEDY CREEK IMPROVEMENT DISTRICT UTILITY SPECIFICATIONS AND CONSTRUCTION STANDARDS" AND THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION. IN THE EVENT OF A CONFLICT BETWEEN THE REQUIREMENTS, THE MOST STRINGENT SHALL APPLY AS DETERMINED BY THE OWNER'S REPRESENTATIVE.
2. THE CONTRACTOR SHALL PERFORM HYDROSTATIC PRESSURE AT 200 PSI OF ALL NEWLY-INSTALLED POTABLE WATER AND RECLAIMED WATER DISTRIBUTION SYSTEMS IN ACCORDANCE WITH THE "REEDY CREEK IMPROVEMENT DISTRICT UTILITY SPECIFICATIONS AND CONSTRUCTION STANDARDS" AND THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.
3. WHEN POSSIBLE, THE CONTRACTOR SHALL PLACE GATE VALVES OUTSIDE OF PAVEMENT.
4. PROTECT THE UTILITY SYSTEMS AT ALL TIMES DURING CONSTRUCTION. SHOULD A SYSTEM BECOME DAMAGED, ALTERED OR EXTENDED AFTER THE INITIAL TESTING, THE AFFECTED PORTION OF THE SYSTEM SHALL BE RESTORED AS NECESSARY AND RETESTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
5. INSTALL, INSPECT AND TEST FIRE HYDRANTS IN ACCORDANCE WITH REEDY CREEK IMPROVEMENT DISTRICT FIRE DEPARTMENT STANDARDS AND SPECIFICATIONS (LATEST EDITION).
6. ALL FIRE HYDRANTS SHALL BE AMERICAN DARLING (B-84-B) OR MUELLER (CENTURION TYPE), OR OTHER RCES APPROVED HYDRANTS.
7. AT EACH UTILITY SERVICE STUB OUT AND/OR UTILITY SLEEVE LOCATION, PROVIDE A 4"x4"x8" (4' DEEP) WOOD POST COLOR CODED AND MARKED IN ACCORDANCE WITH THE FOLLOWING TABLE. PROVIDE HORIZONTAL LOCATION AND INVERT ELEVATIONS OF ALL STUB OUTS AND LATERALS AS PART OF THE RECORD DRAWINGS.
- | UTILITY | POST COLOR | BLOCK IDENTIFICATION LETTER |
|-------------------------|------------|-----------------------------|
| POTABLE WATER | BLUE | W |
| REUSE WATER | PURPLE | R |
| SANITARY SEWER | GREEN | S |
| GENERAL UTILITY SLEEVES | WHITE | U |
| ELECTRICAL SLEEVES | YELLOW | E |
| COMMUNICATION SLEEVES | RED | C |
8. CONTRACTOR TO TAKE BACTERIOLOGICAL SAMPLES AS INDICATED ON THE FDEP DRINKING WATER PERMIT OR AS DIRECTED BY FDEP. SAMPLES SHALL BE TAKEN AT A MINIMUM OF 2 LOCATIONS ALONG THE WATER SYSTEM AT NO COST TO THE OWNER.
9. ALL REQUIRED MAINTENANCE AND REPAIR OF EXISTING ABOVE GROUND UTILITY APPURTENANCES (FIRE HYDRANTS, BACKFLOW PREVENTERS, ETC.) SHALL BE PERFORMED BY REEDY CREEK ENERGY SERVICES.

Prepared For:



Architecture and Engineering
AAC1169 EB3084
1365 Avenue of the Stars
Lake Buena Vista, FL 32830

Consultant:

Design/Builder:



The Whiting-Turner Contracting Company
Suite 160, Millenia Lakes Boulevard
Orlando, FL 32839

Architecture:
Civil Engineering:
Structural Engineering:
Interior Design:
Graphics:



an Atkins company
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AAC000723

PROJECT 2011-1

Description	Date
50% Schematic Design	9-8-10
90% Schematic Design	10-6-10
100% Schematic Design	11-04-10
RCID SUBMITTAL	12-17-10
ACOE SUBMITTAL	2-14-11
RCID SUBMITTAL	2-22-11

Professional Seal:

BRIAN P. FORSTER, P.E.
FLORIDA REG. NO. 62461

Sheet Data:

JOB No. 100016864
Drawn By: MDC
Checked By: BPF
QC Review: JHC
Date Issued: 2/22/11

Sheet Title:

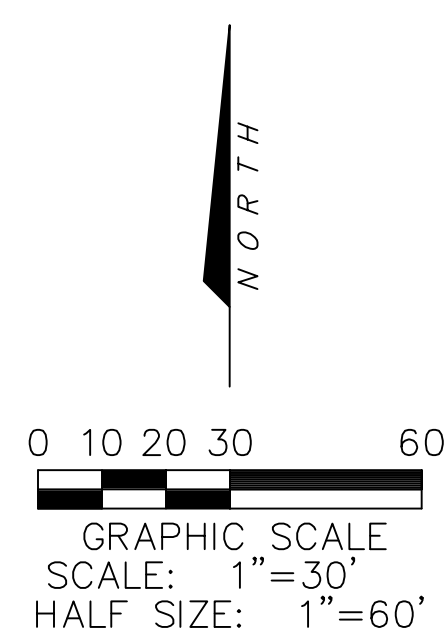
GENERAL NOTES

Sheet Number:

Phase:

C-101

SD



LEGEND

- LIMITS OF CONSTRUCTION
- DOUBLE ROW SILT FENCE
- FLOATING TURBIDITY BARRIER
- EXISTING CONTOUR
- EXISTING TREE

SEVEN SEAS LAGOON
NWL = 94.50
100 YEAR/72 HOUR EL. = 95.00
* PER RCID 2009 UPDATE

INSTALL THREE 640 LF ROWS OF
FLOATING TURBIDITY BARRIER (PER
FDOT STANDARD INDEX NO. 103) TO
BE ANCHORED WITH BRICKS

MATCH LINE - SEE SHEET C-202

MATCH LINE - SEE SHEET C-202

Prepared For:

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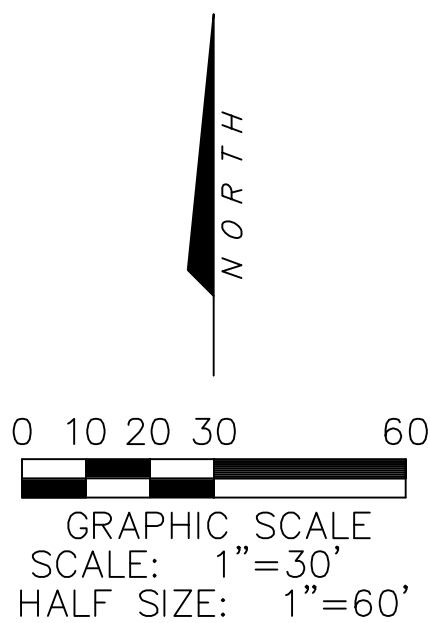
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Professional Seal:
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Checked By: BPF
QC Review: JHC
Date Issued: 2/22/11

EXISTING CONDITIONS ,
LIMITS OF
CONSTRUCTION &
EROSION CONTROL PLAN

Sheet Number: C-201
Phase: SD



- LEGEND**
- LIMITS OF CONSTRUCTION
 - SINGLE ROW SILT FENCE
 - FLOATING TURBIDITY BARRIER
 - - - EXISTING CONTOUR
 - EXISTING TREE

SEVEN SEAS LAGOON
NWL = 94.50
100 YEAR/72 HOUR EL. = 95.00

* PER RCID 2009 UPDATE

Prepared For:


Architecture and Engineering
AAC1169 EB3084
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Lake Buena Vista, FL 32830

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Architecture:
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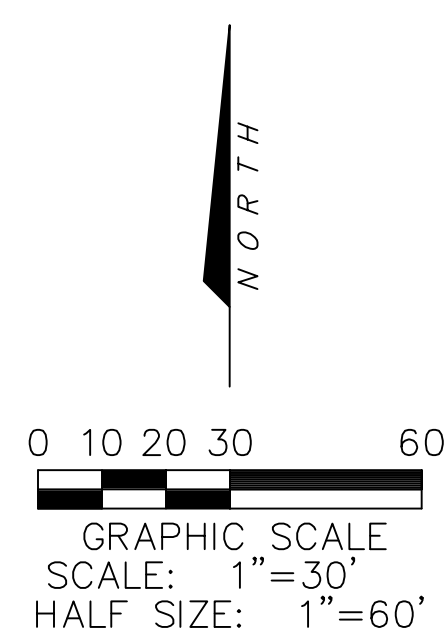
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Checked By: BPF
QC Review: JHC
Date Issued: 2/22/11

Sheet Title:
**EXISTING CONDITIONS ,
LIMITS OF
CONSTRUCTION &
EROSION CONTROL PLAN**

Sheet Number: C-202
Phase: SD



LEGEND

- EXISTING ASPHALT TO BE DEMOLISHED
- EXISTING CONCRETE TO BE DEMOLISHED
- EXISTING DRAINAGE OR UTILITY TO BE DEMOLISHED

Prepared For:

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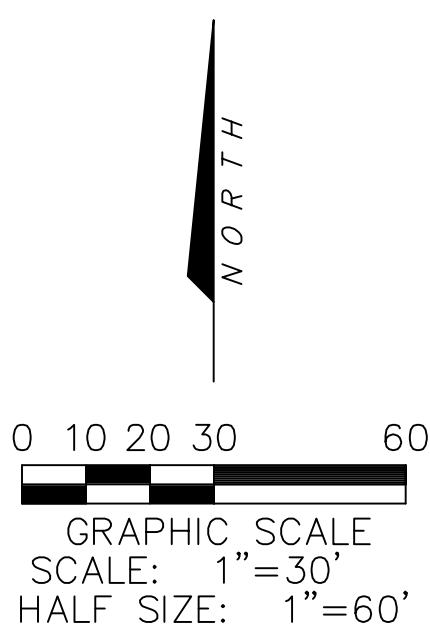
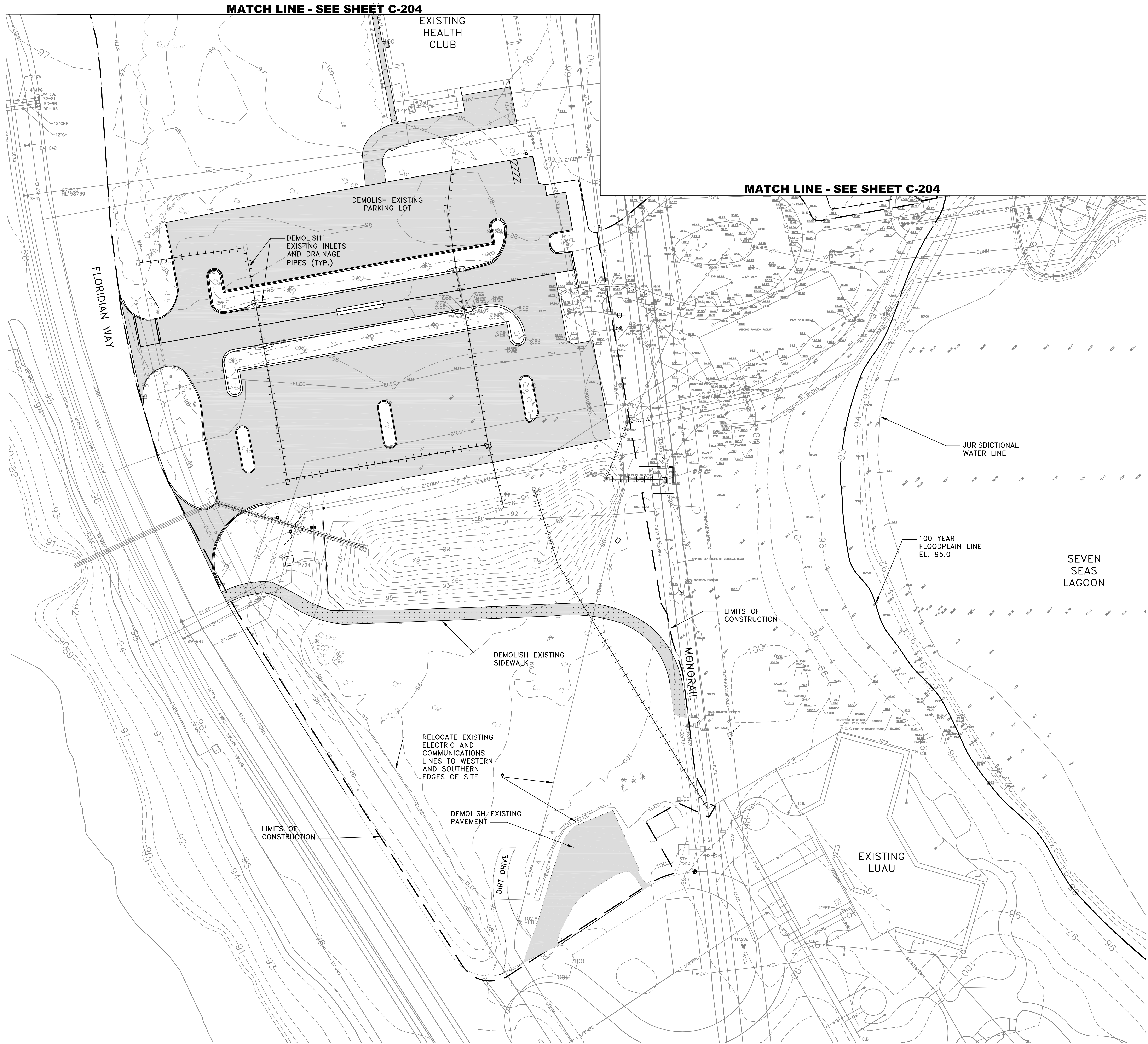
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JOB No.	100016864
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Sheet Title:	

DEMOLITION PLAN



LEGEND

- EXISTING ASPHALT TO BE DEMOLISHED
- EXISTING CONCRETE TO BE DEMOLISHED
- EXISTING DRAINAGE OR UTILITY TO BE DEMOLISHED

Prepared For:

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Lake Buena Vista, FL 32830

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ACOE SUBMITTAL	2-14-11
RCID SUBMITTAL	2-22-11

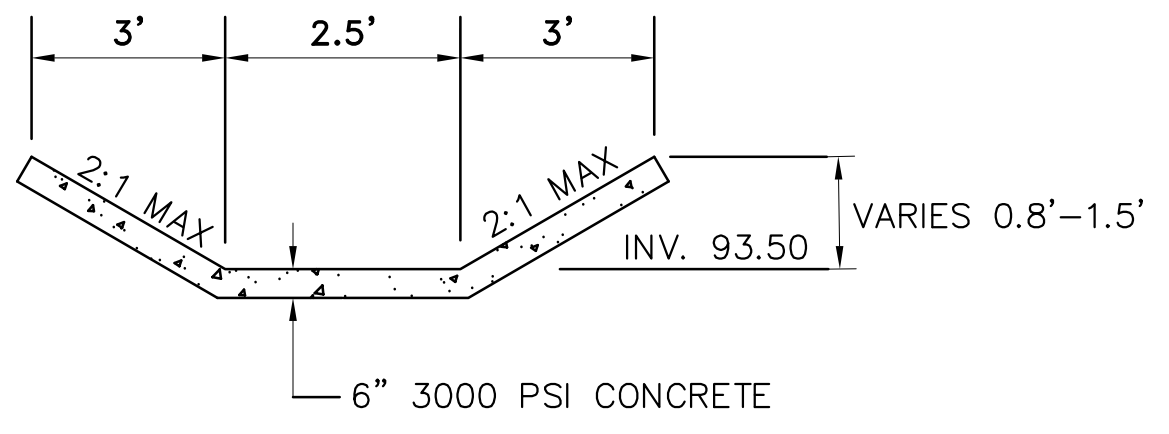
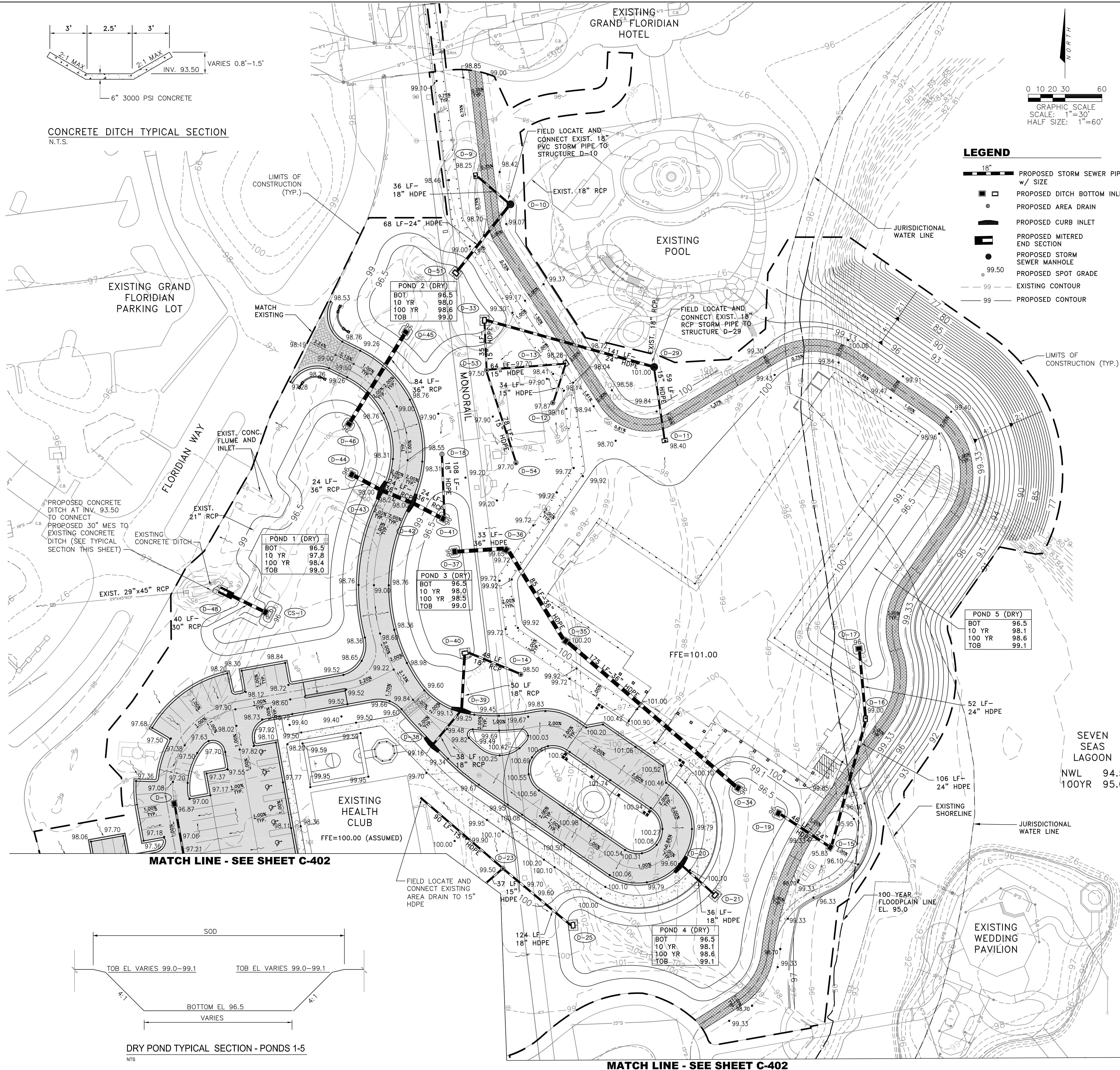
Professional Seal:
BRIAN P. FORSTER, P.E.
FLORIDA REG. NO. 62461

Sheet Data:
JOB No. 100016864
Drawn By: MDC
Checked By: BPF
QC Review: JHC
Date Issued: 2/22/11

DEMOLITION PLAN

Sheet Number: C-205
Phase: SD

Feb. 22, 2011 - 8:57am
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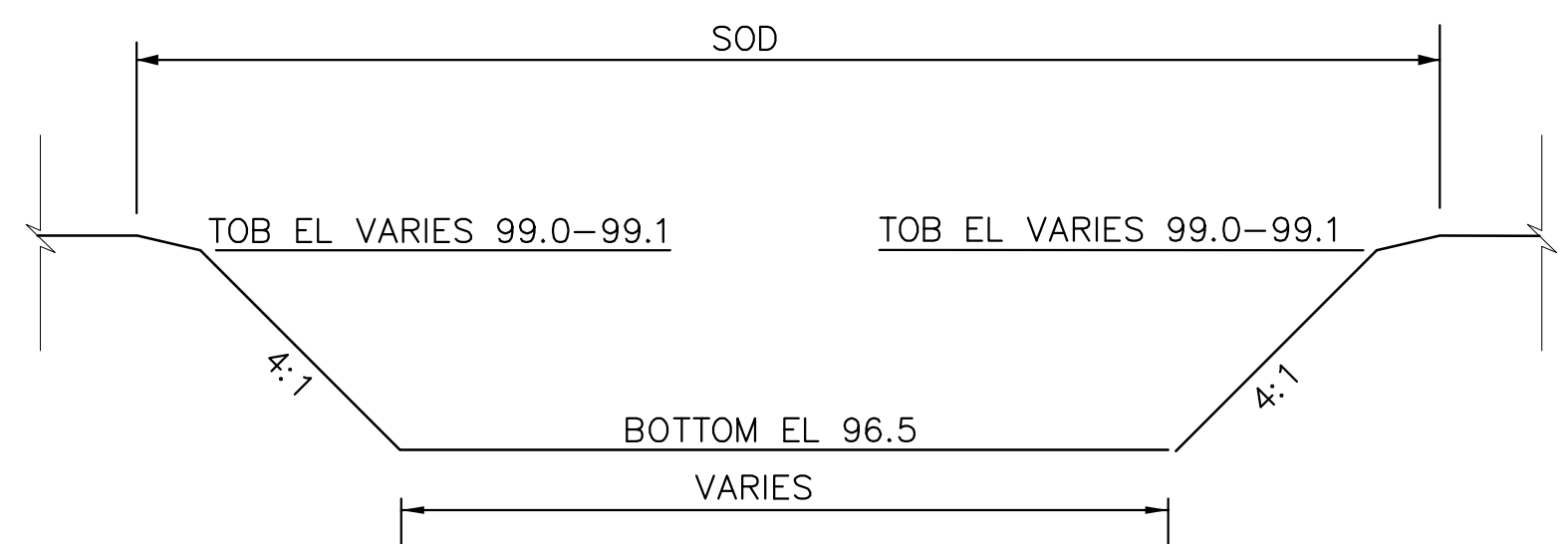


CONCRETE DITCH TYPICAL SECTION
N.T.S.

PROPOSED CONCRETE DITCH AT INV. 93.50 TO CONNECT PROPOSED 30" MES TO EXISTING CONCRETE DITCH (SEE TYPICAL SECTION THIS SHEET)

EXIST. 29"x45" RCP

MATCH LINE - SEE SHEET C-402



DRY POND TYPICAL SECTION - PONDS 1-5
N.T.S.

- LEGEND**
- 18" PROPOSED STORM SEWER PIPE w/ SIZE
 - PROPOSED DITCH BOTTOM INLET
 - PROPOSED AREA DRAIN
 - PROPOSED CURB INLET
 - PROPOSED MITERED END SECTION
 - PROPOSED STORM SEWER MANHOLE
 - PROPOSED SPOT GRADE
 - EXISTING CONTOUR
 - PROPOSED CONTOUR

- CS-1**
TYPE D CONTROL STRUCTURE SEE DETAIL SHEET C-707
TOP EL.=97.15
INV=93.7 NW
- D-1**
TYPE D INLET FDOT INDEX NO. 232
GRATE EL.=96.87
INV=92.16 S
- D-9**
TYPE C INLET FDOT INDEX NO. 232
GRATE EL.=98.25
INV=93.00 SE
- D-10**
TYPE P-7 MANHOLE, 3'-6" DIA. FDOT INDEX NO. 200
TOP EL.=99.20
INV=91.36 NE (EXISTING)
INV=91.50 NW
INV=91.50 SW
- D-11**
TYPE C INLET FDOT INDEX NO. 232
GRATE EL.=98.40
INV=94.90 NW
- D-12**
18" ADS DRAIN
GRATE EL.=97.87
INV=94.20 NE
- D-13**
TYPE C INLET FDOT INDEX NO. 232
GRATE EL.=98.28
INV=93.80 SW
INV=93.80 W
- D-14**
18" ADS DRAIN
GRATE EL.=98.50
INV=94.80 NW
- D-15**
TYPE D INLET FDOT INDEX NO. 232
GRATE EL.=95.83
INV=91.11 NW
INV=91.11 NE
- D-16**
TYPE C INLET FDOT INDEX NO. 232
GRATE EL.=99.00
INV=91.37 SW
INV=91.37 N
- D-17**
TYPE D INLET FDOT INDEX NO. 232
GRATE EL.=95.50
INV=91.50 S
- D-18**
18" ADS DRAIN
GRATE EL.=97.80
INV=94.10 S
- D-19**
TYPE D INLET FDOT INDEX NO. 232
GRATE EL.=95.50
INV=91.00 SE
- D-20**
TYPE 6 CURB INLET FDOT INDEX NO. 211
TOP EL.=99.98
INV=93.70 SE
- D-21**
TYPE C INLET FDOT INDEX NO. 232
GRATE EL.=97.00
INV=93.50 NW
- D-23**
24" ADS DRAIN
GRATE EL.=99.50
INV=94.50 NW
INV=94.50 SW
INV=94.50 SE
- D-25**
TYPE C INLET FDOT INDEX NO. 232
GRATE EL.=97.00
INV=93.00 E
INV=93.00 NW
- D-29**
TYPE P-7 MANHOLE, 3'-6" DIA. FDOT INDEX NO. 200
TOP EL.=101.00
INV=92.84 N (EXISTING)
INV=92.00 SE
INV=92.00 NW
- D-33**
TYPE C INLET FDOT INDEX NO. 232
GRATE EL.=97.00
INV=91.30 SE
INV=92.50 S
- D-34**
TYPE D INLET FDOT INDEX NO. 232
GRATE EL.=95.50
INV=90.50 NW
- D-35**
TYPE D INLET FDOT INDEX NO. 232
GRATE EL.=100.20
INV=90.20 SE
INV=90.20 NW
- D-36**
TYPE D INLET FDOT INDEX NO. 232
GRATE EL.=99.65
INV=90.06 SE
INV=90.06 W
- D-37**
TYPE D INLET FDOT INDEX NO. 232
GRATE EL.=95.50
INV=90.00 SE
INV=90.00 NW
- D-38**
TYPE 6 CURB INLET FDOT INDEX NO. 211
TOP EL.=99.54
INV=94.46 NE
- D-39**
TYPE 6 CURB INLET FDOT INDEX NO. 211
TOP EL.=99.51
INV=94.00 SW
INV=94.00 N
- D-40**
TYPE C INLET FDOT INDEX NO. 232
GRATE EL.=97.00
INV=93.50 S
INV=93.50 SE
- D-41**
TYPE D INLET FDOT INDEX NO. 232
GRATE EL.=95.50
INV=90.50 NW
INV=93.00 N
- D-42**
TYPE 6 CURB INLET FDOT INDEX NO. 211
TOP EL.=98.38
INV=90.33 SE
INV=90.33 NW
- D-43**
TYPE 6 CURB INLET FDOT INDEX NO. 211
TOP EL.=98.38
INV=90.17 SE
INV=90.17 NW
- D-44**
TYPE D INLET FDOT INDEX NO. 232
GRATE EL.=95.50
INV=90.00 SE
- D-45**
TYPE D INLET FDOT INDEX NO. 232
GRATE EL.=95.50
INV=90.50 SE
- D-46**
TYPE D INLET FDOT INDEX NO. 232
GRATE EL.=95.50
INV=90.00 SE
- D-48**
30" MES FDOT INDEX NO. 272
INV=93.50
- D-51**
TYPE C INLET FDOT INDEX NO. 232
GRATE EL.=97.00
INV=91.00 NE
- D-53**
24" ADS DRAIN
GRATE EL.=97.50
INV=93.00 E
INV=93.00 N
- D-54**
24" ADS DRAIN
GRATE EL.=97.70
INV=94.20 N

SEVEN SEAS LAGOON
NWL 94.5
100YR 95.0

MATCH LINE - SEE SHEET C-401

Prepared For:

Architecture and Engineering
AAC1169 EB3084
1365 Avenue of the Stars
Lake Buena Vista, FL 32830

Consultant:
Design/Builder:

The Whiting-Turner Contracting Company
Suite 160, Millenia Lakes Boulevard
Orlando, FL 32839

Architecture:
Civil Engineering:
Structural Engineering:
Interior Design:
Graphics:

an Atkins company
Post, Buckley, Schuh & Jernigan, Inc.
482 S. Keller Road
Orlando, FL 32810
AAC000723

PROJECT 2011-1

Description	Date
50% Schematic Design	9-8-10
90% Schematic Design	10-6-10
100% Schematic Design	11-04-10
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ACOE SUBMITTAL	2-14-11
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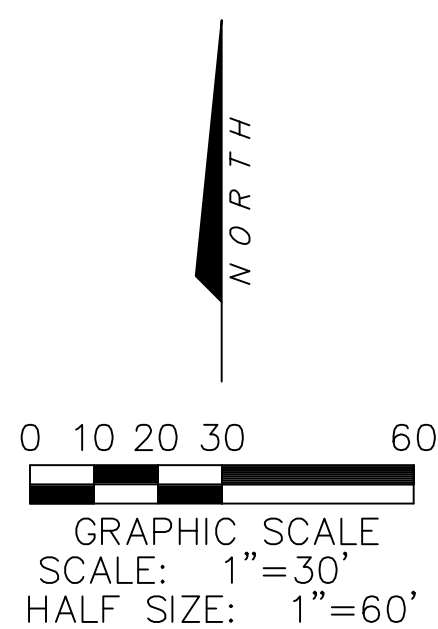
Professional Seal:
BRIAN P. FORSTER, P.E.
FLORIDA REG. NO. 62461

Sheet Data:
JOB No. 100016864
Drawn By: MDC
Checked By: BPF
QC Review: JHC
Date Issued: 2/22/11
Sheet Title:

PAVING, GRADING & DRAINAGE PLAN

Sheet Number: Phase:

C-401 SD



LEGEND

- 18" PROPOSED STORM SEWER PIPE w/ SIZE
- PROPOSED DITCH BOTTOM INLET
- PROPOSED AREA DRAIN
- PROPOSED CURB INLET
- PROPOSED MITERED END SECTION
- PROPOSED STORM SEWER MANHOLE
- PROPOSED SPOT GRADE
- EXISTING CONTOUR
- PROPOSED CONTOUR

D-2
TYPE D INLET
FDOT INDEX NO. 232
GRATE EL.=96.50
INV=91.23 N,S

D-3
TYPE D INLET
FDOT INDEX NO. 232
GRATE EL.=96.50
INV=90.48 N,S

D-4
TYPE D INLET
FDOT INDEX NO. 232
GRATE EL.=96.50
INV=90.08 NE,E

D-5
TYPE D INLET
FDOT INDEX NO. 232
GRATE EL.=96.50
INV=89.00 E,W

D-6
TYPE D INLET
FDOT INDEX NO. 232
GRATE EL.=96.50
INV=91.00 NE,W

D-7
36" MES
FDOT INDEX NO. 272
INV=87.00

D-8
TYPE P-7 MANHOLE, 3'-6" DIA.
FDOT INDEX NO. 200
TOP EL=97.12
INV=92.50 SW, NE (EXISTING)

D-49
TYPE D INLET
FDOT INDEX NO. 232
GRATE EL=95.50
INV=88.80

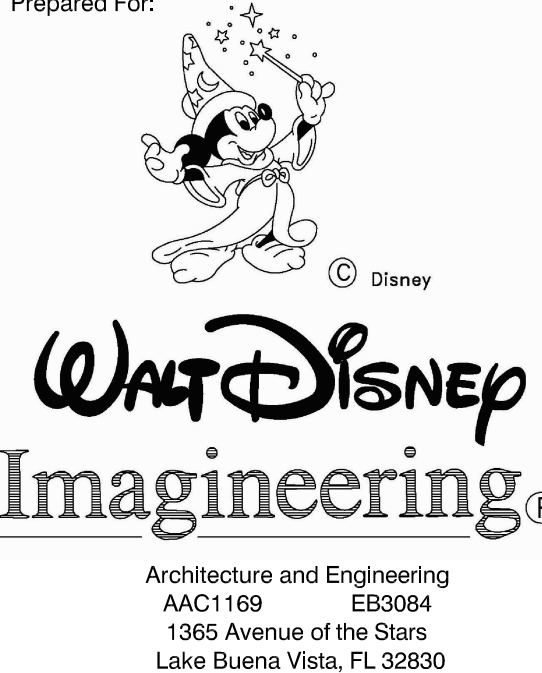
D-50
8'x5' RECTANGULAR STRUCTURE
FDOT INDEX NO. 200
WITH TYPE P-7 MANHOLE, 3'-6" DIA.
FDOT INDEX NO. 201
TOP EL=98.00
INV=89.60 S (36")
INV=89.60 W (2-30", EXISTING)

D-58
18" MES
FDOT INDEX NO. 272
INV=89.50

D-59
TYPE D INLET
FDOT INDEX NO. 232
GRATE EL=96.38
INV=87.71 N,S

CS-2
TYPE D CONTROL STRUCTURE
SEE DETAIL SHEET C-707
TOP EL=95.35
INV=90.00

Prepared For:



Consultant:

Design/Builder:



Architecture:
Civil Engineering:
Structural Engineering:
Interior Design:
Graphics:

Post, Buckley, Schuh & Jernigan, Inc.
482 S. Keller Road
Orlando, FL 32810
AAC000723

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Professional Seal:

BRIAN P. FORSTER, P.E.
FLORIDA REG. NO. 62461

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QC Review:	JHC
Date Issued:	2/22/11

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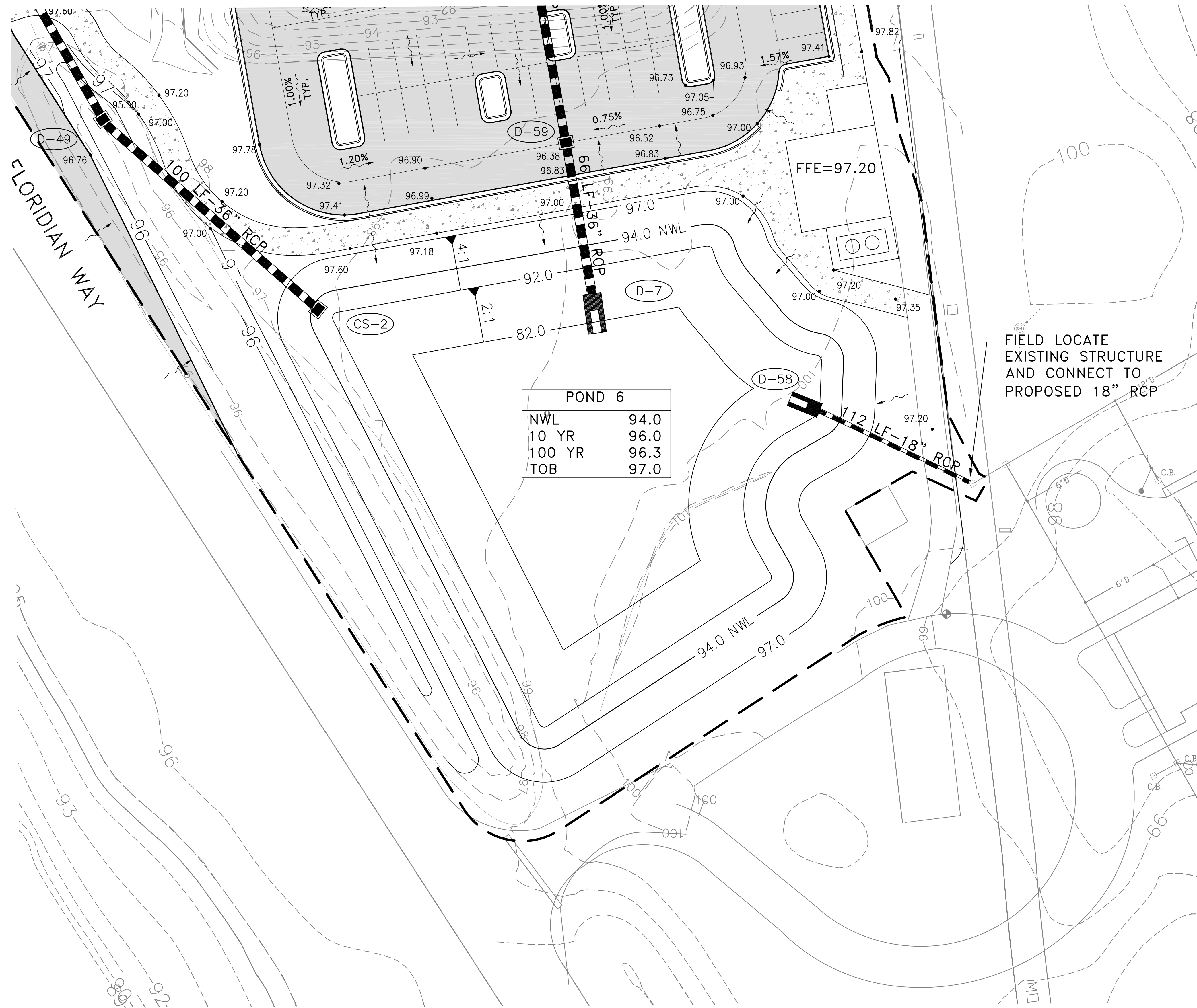
PAVING, GRADING & DRAINAGE PLAN

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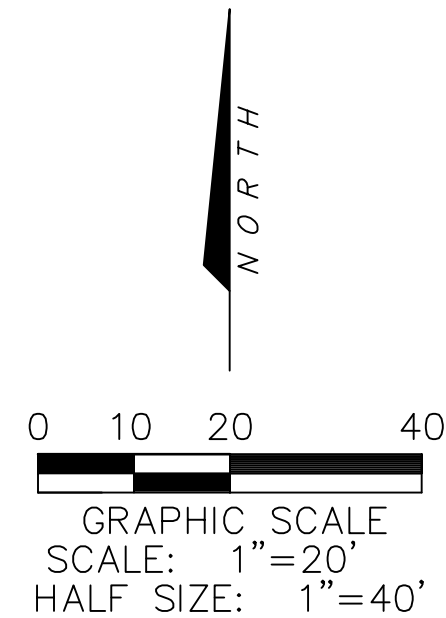
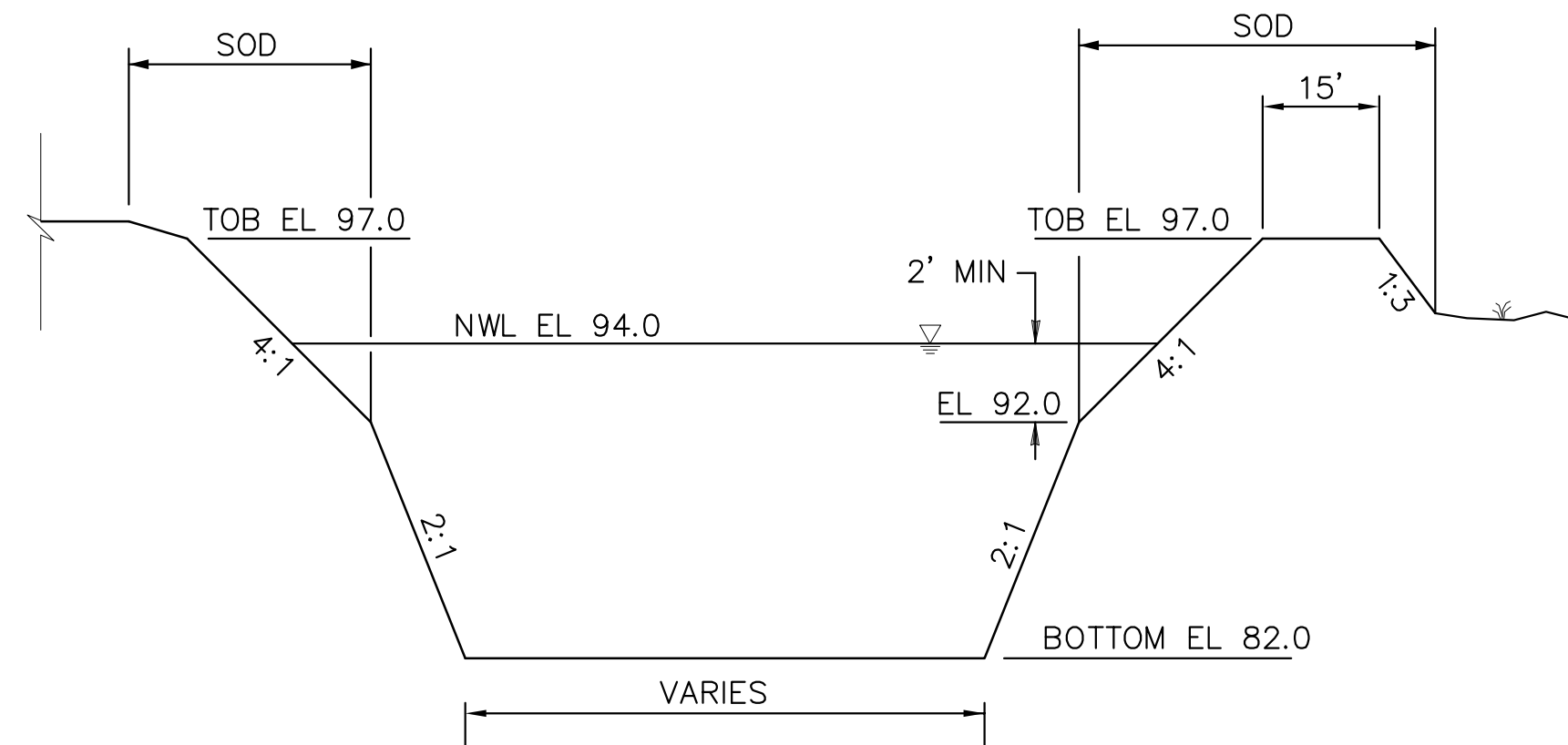
Phase:

C-402 SD

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WET POND TYPICAL SECTION - POND 6
NTS



LEGEND

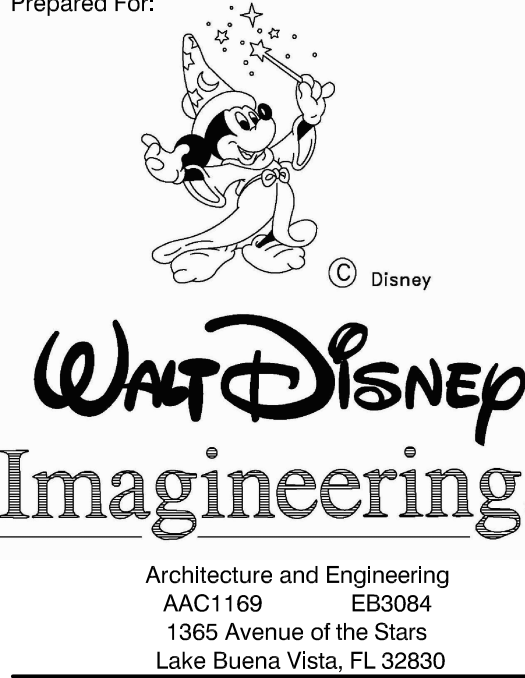
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- PROPOSED DITCH BOTTOM INLET
- PROPOSED AREA DRAIN
- PROPOSED CURB INLET
- PROPOSED MITERED END SECTION
- PROPOSED STORM SEWER MANHOLE
- 99.50 PROPOSED SPOT GRADE
- 99 EXISTING CONTOUR
- 99 PROPOSED CONTOUR

D-7
36" MES
FDOT INDEX NO. 272
INV=87.00

D-58
18" MES
FDOT INDEX NO. 272
INV=89.50

CS-2
TYPE D CONTROL STRUCTURE
SEE DETAIL SHEET C-707
TOP EL=95.35
INV=90.00

Prepared For:



Consultant:

Design/Builder:



PROJECT 2011-1

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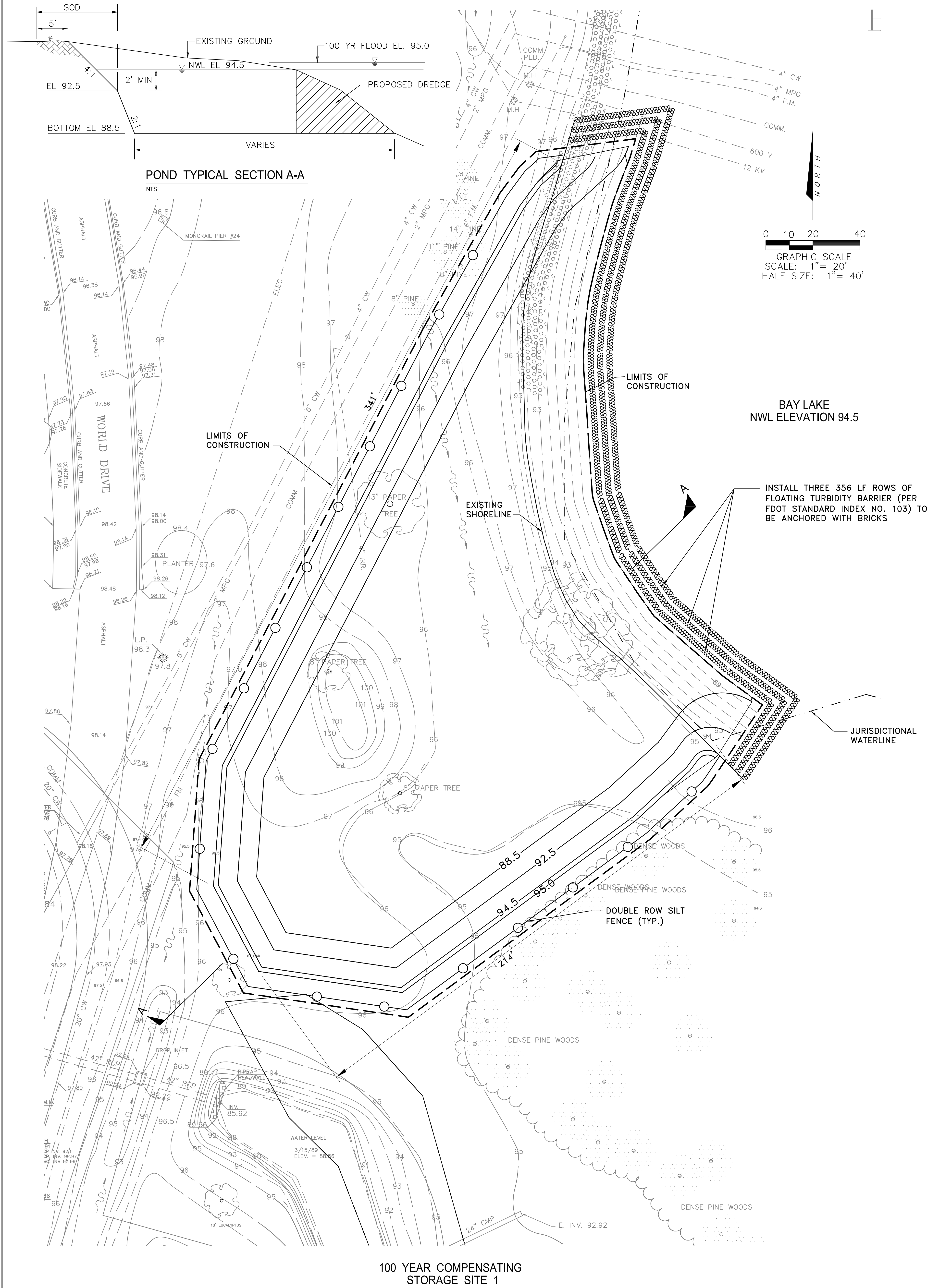
POND 6
CONSTRUCTION PLAN

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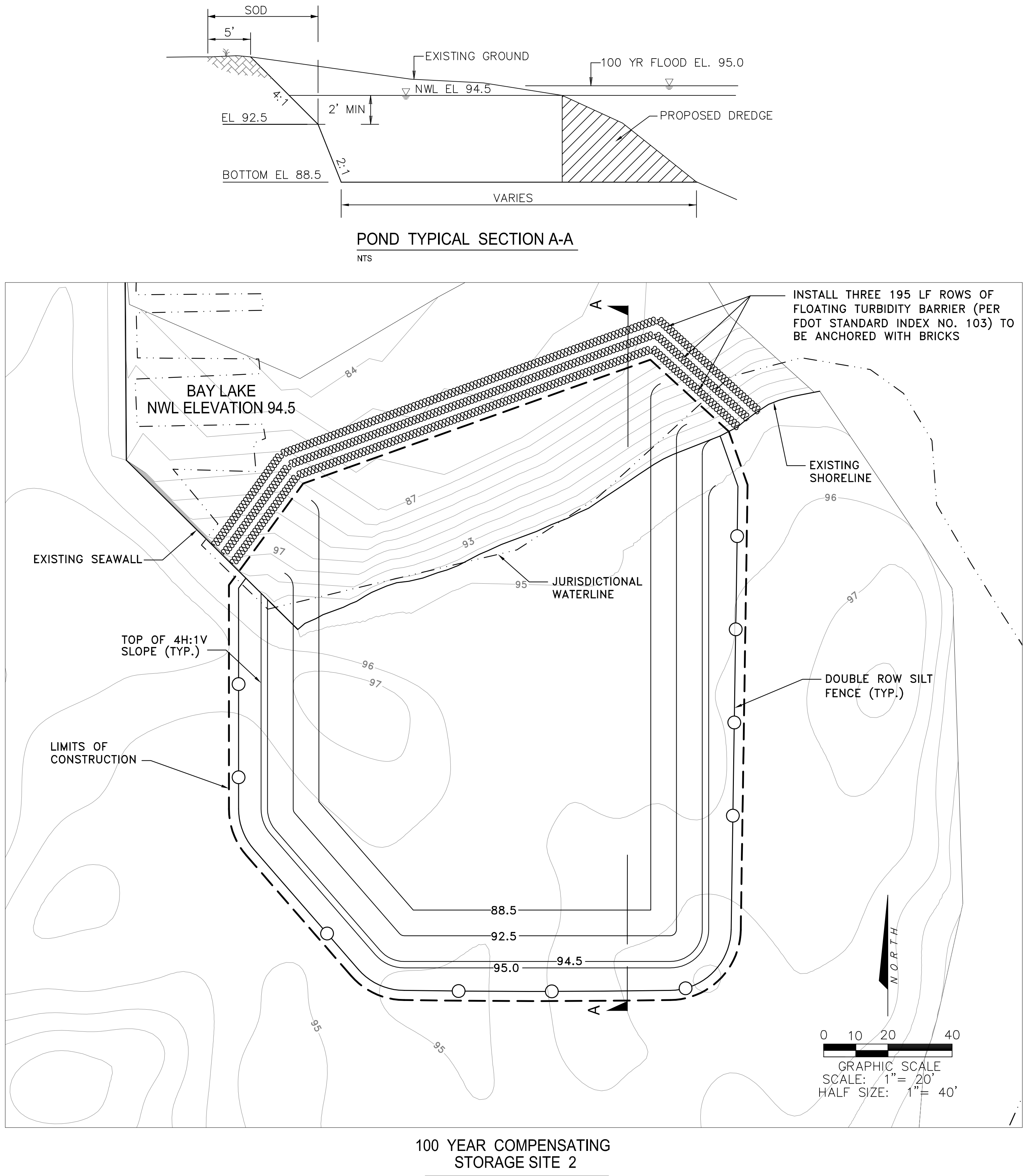
C-701

Phase:

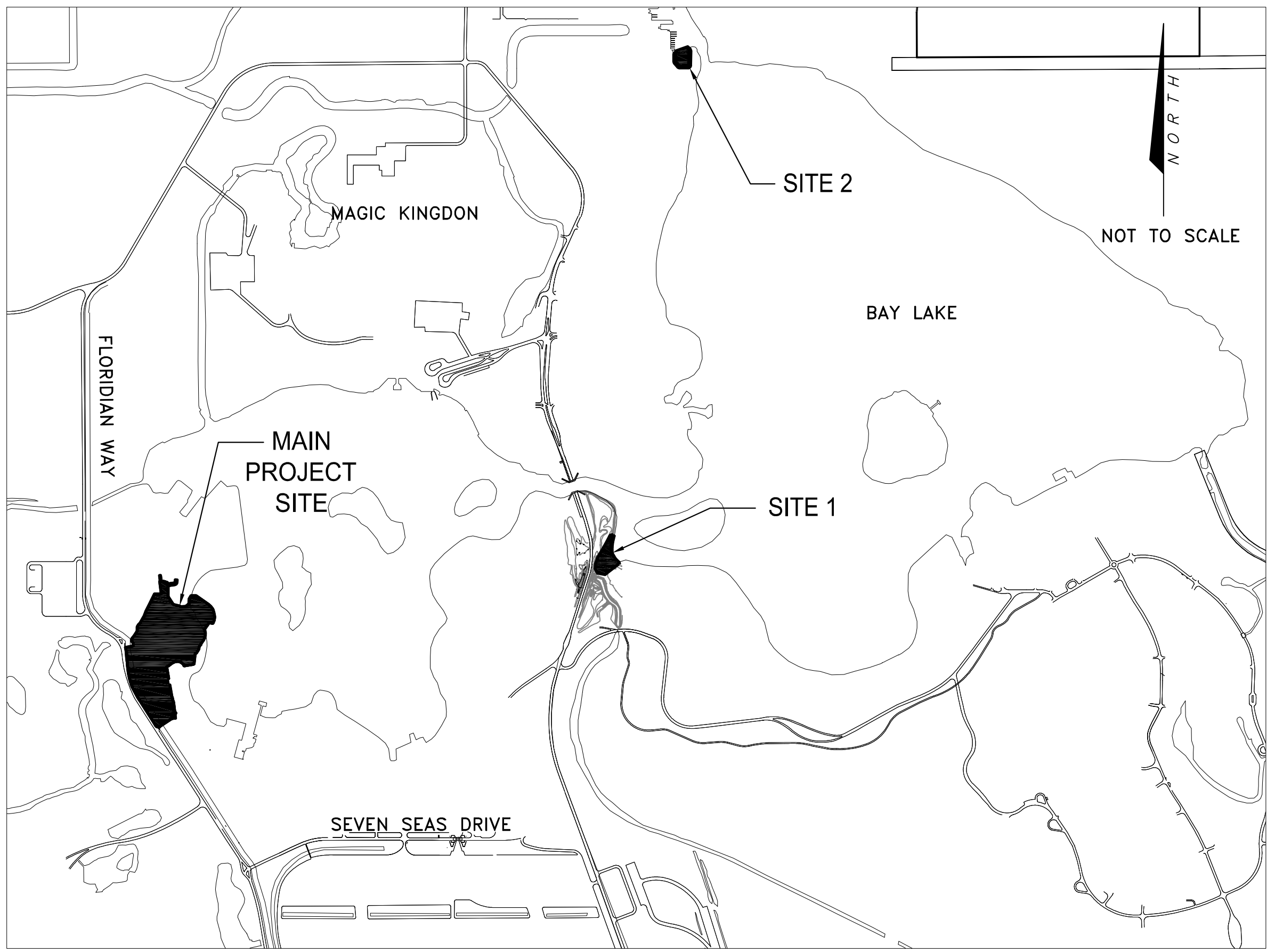
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100 YEAR COMPENSATING
STORAGE SITE 1



100 YEAR COMPENSATING
STORAGE SITE 2



KEY MAP

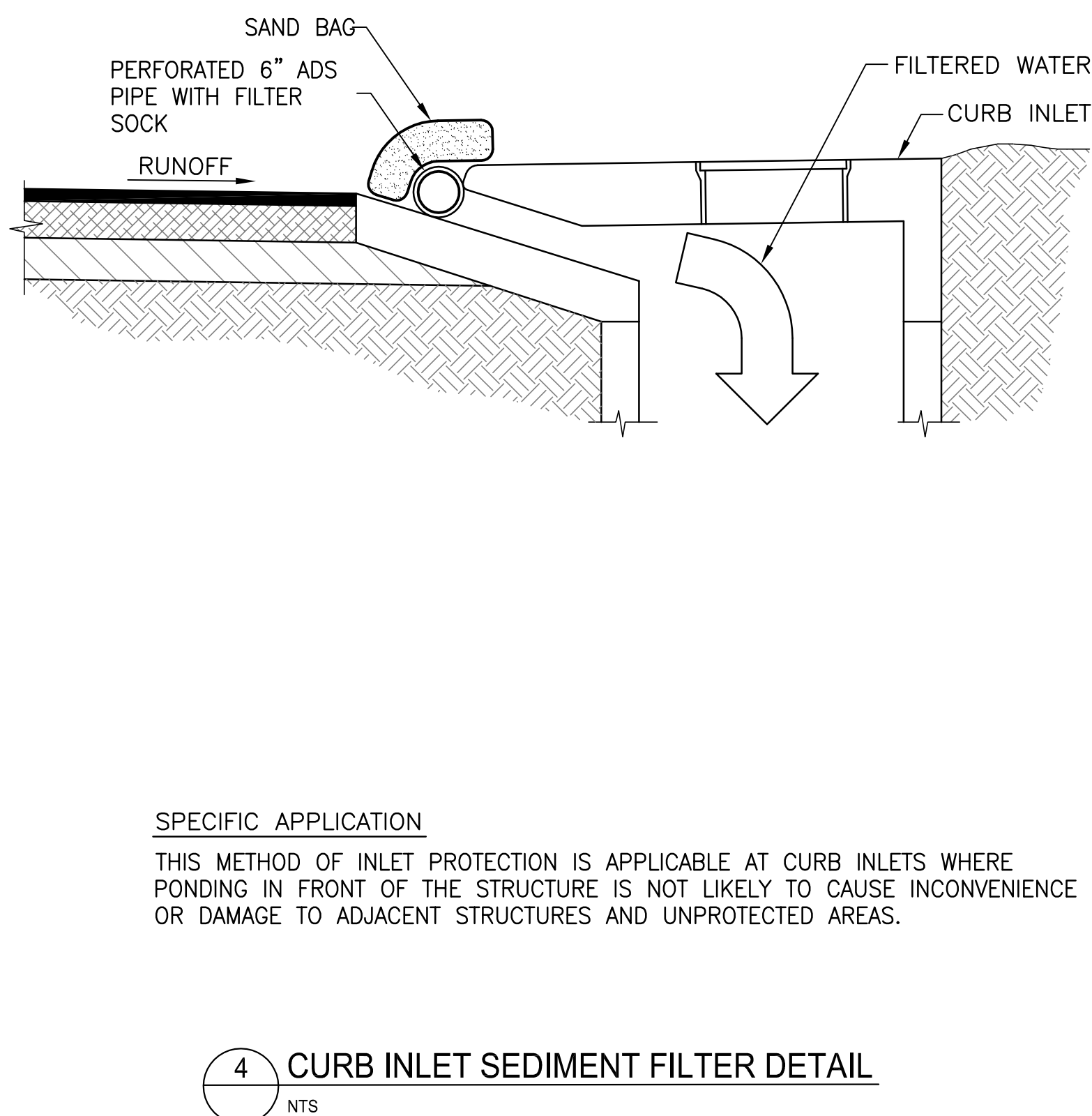
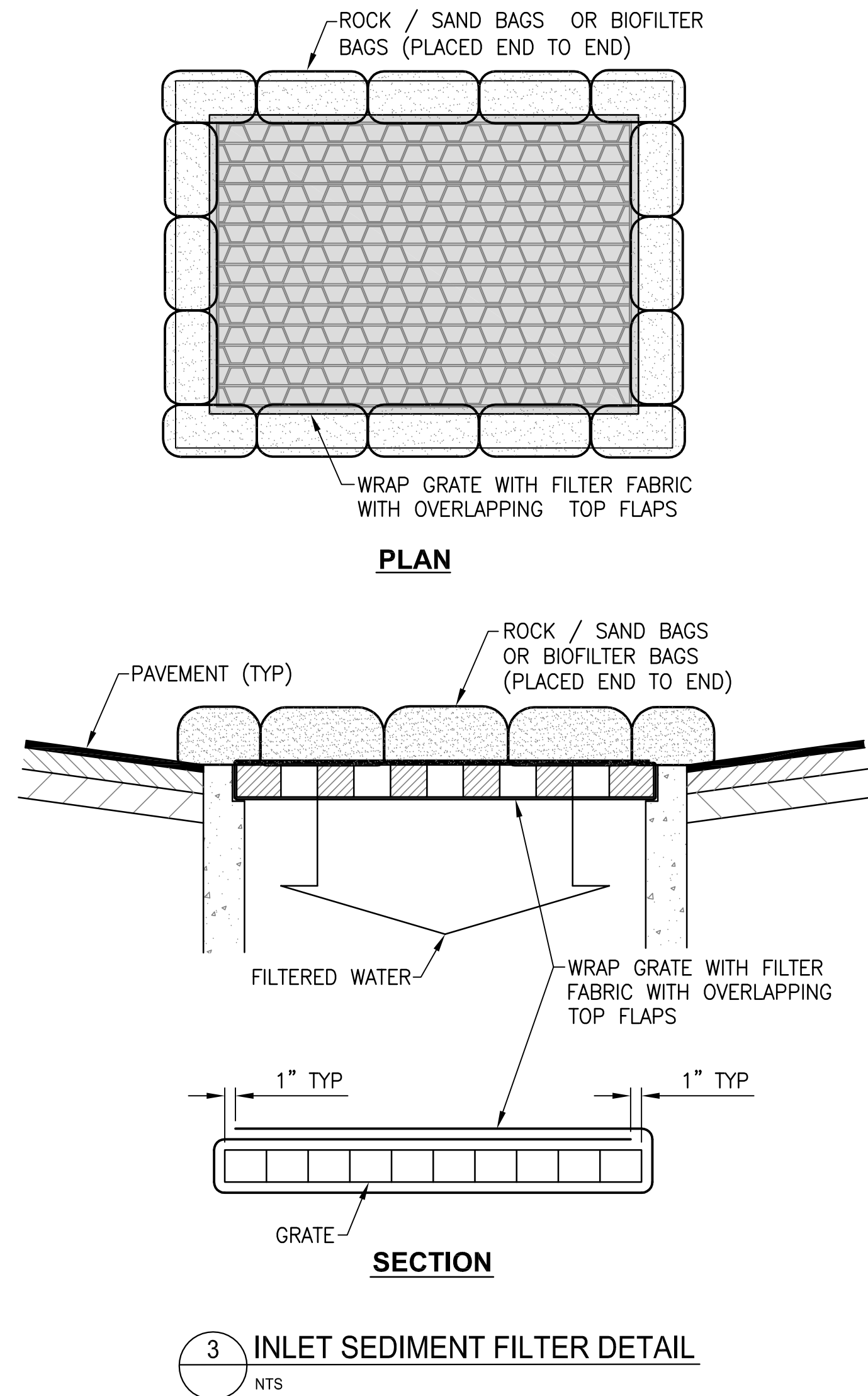
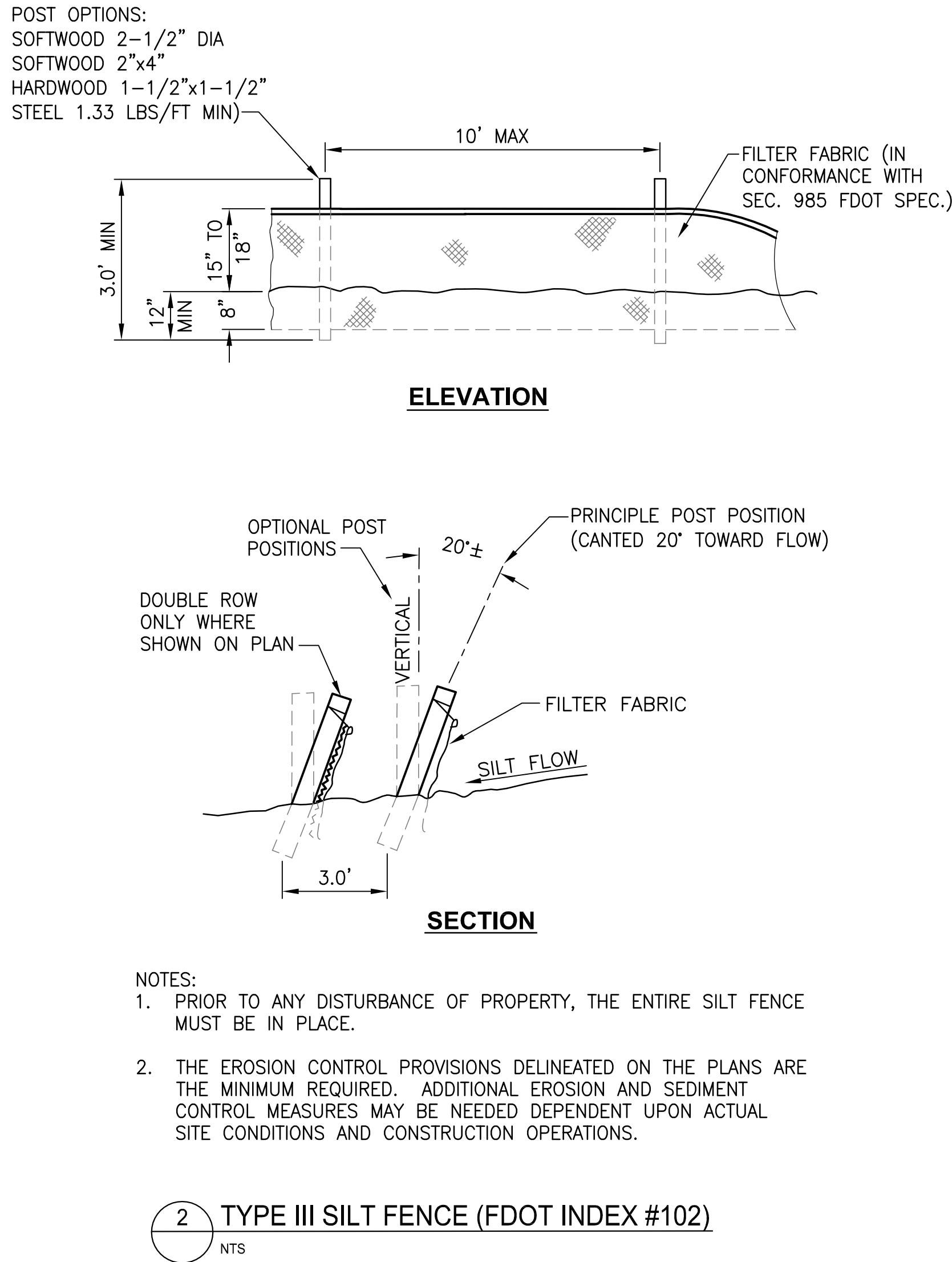
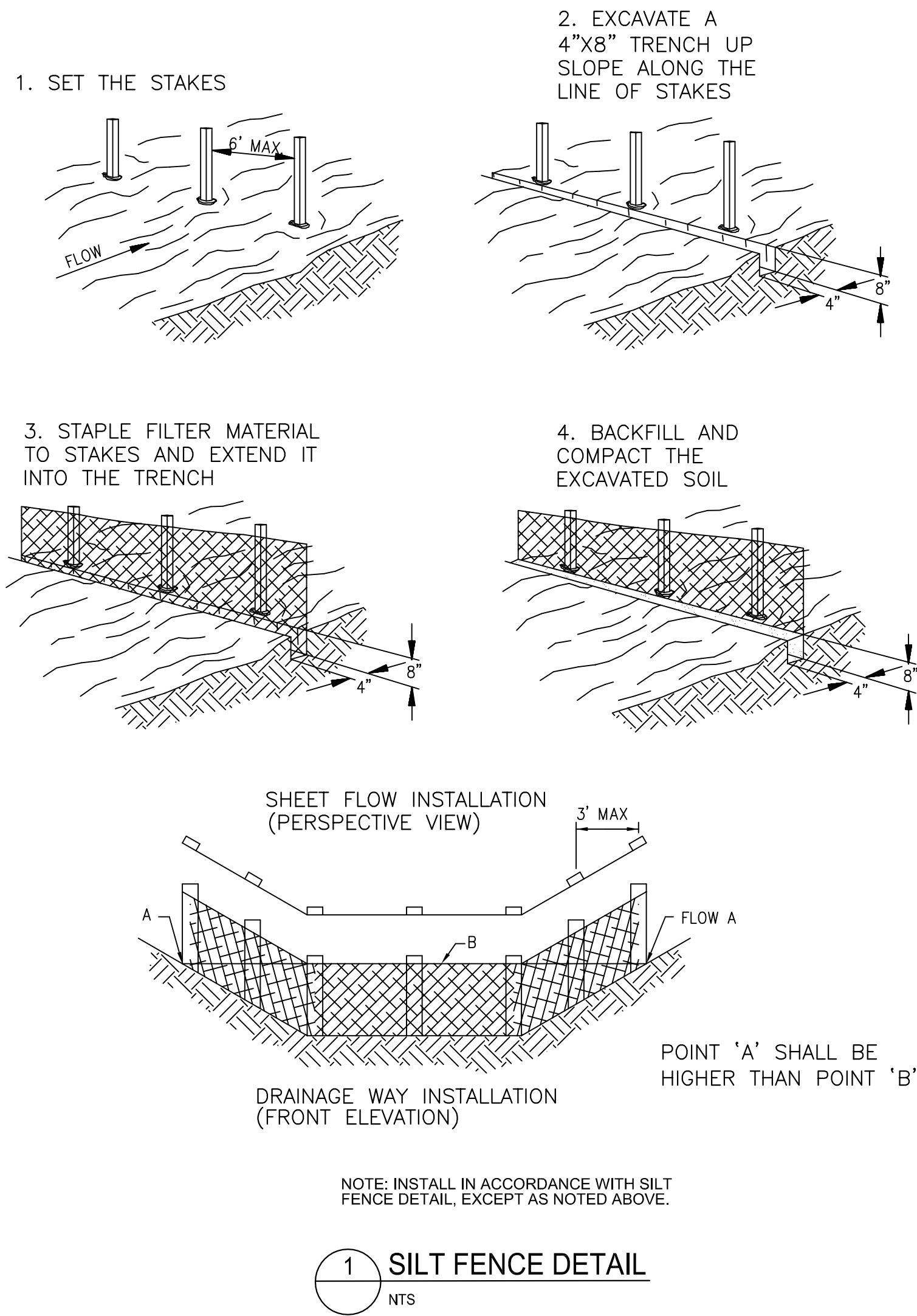
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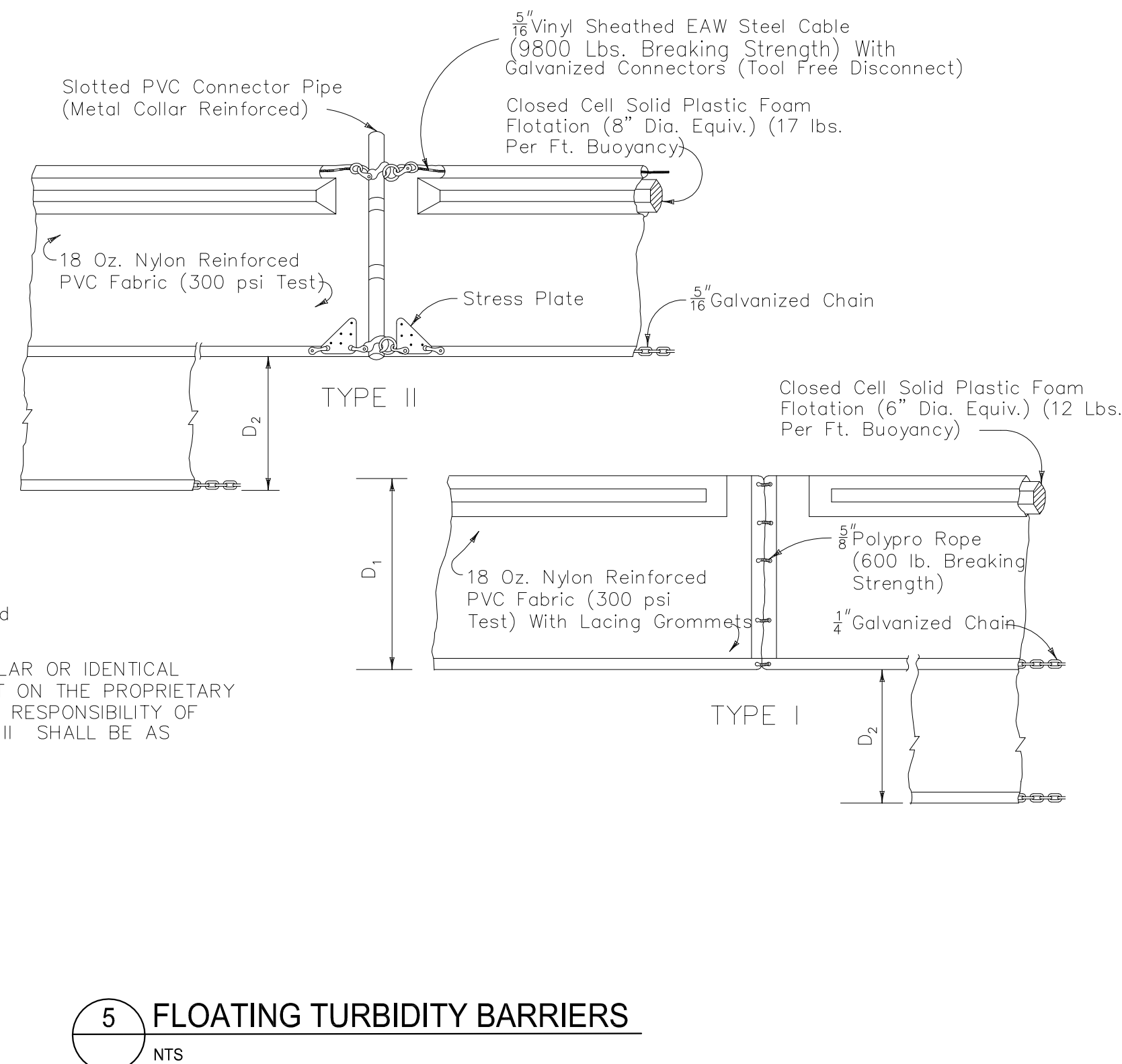
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Sheet Title:	

100 YEAR FLOODPLAIN
COMPENSATION AREA
PLAN



D₁ = 5' Std. (Single Panel For Depths 5' or Less).
D₂ = 5' Std. (Additional Panel For Depths >5').
Curtain To Reach Bottom Up To Depths Of 10 Feet.
Two(2) Panels To Be Used For Depths Greater Than 10 Feet Unless Special Depth Curtains Specifically Called For In The Plans Or As Determined By The Engineer.

NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.



Prepared For:



Walt Disney Imagineering®

Architecture and Engineering
AAC1169 EB3084
1365 Avenue of the Stars
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Consultant:

Design/Builder:

WT
WHITING-TURNER
The Whiting-Turner Contracting Company
Suite 160, Millenia Lakes Boulevard
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Architecture:
Civil Engineering:
Structural Engineering:
Interior Design:
Graphics:

PBS
an Atkins company
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482 S. Keller Road
Orlando, FL 32810
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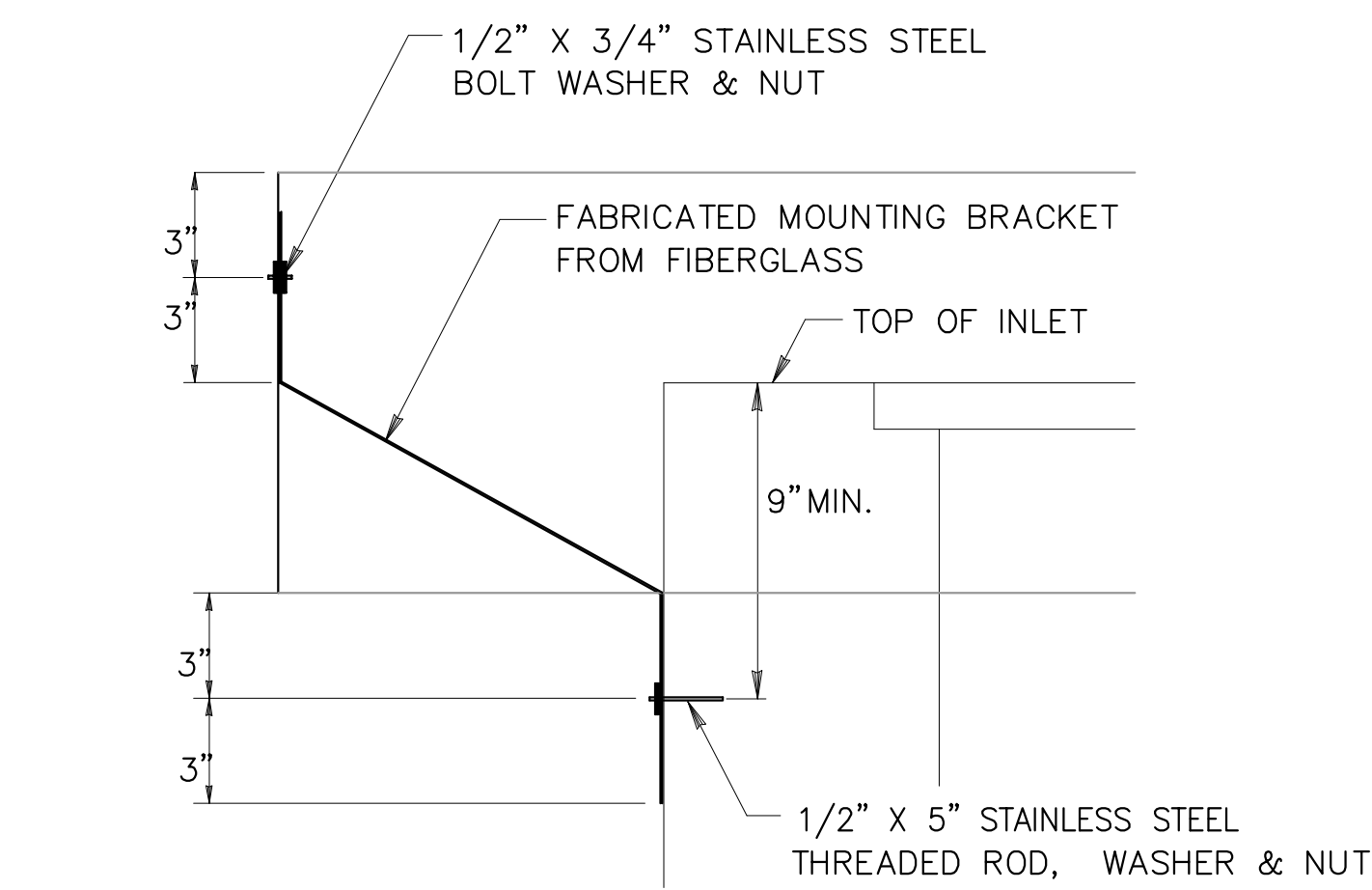
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DRAINAGE AND EROSION CONTROL DETAILS

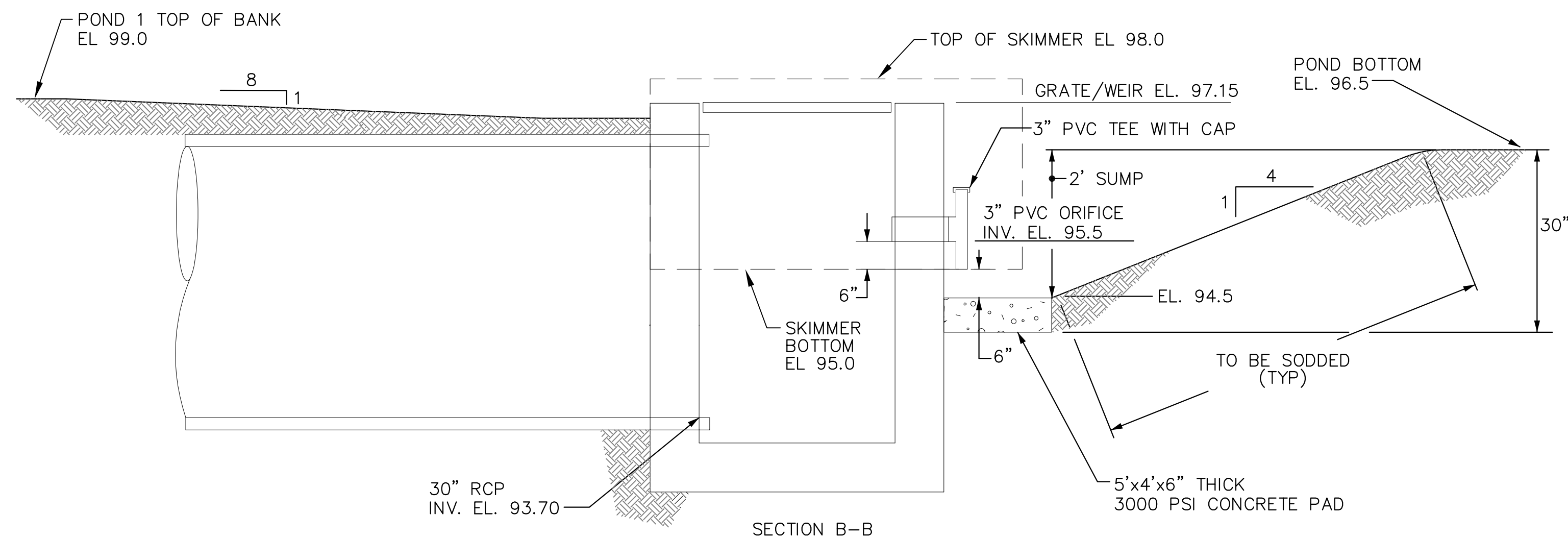
Sheet Number:

Phase:

C-705 SD



FOR STRUCTURES D-21, D-25, D-33, D-40, AND D-51



SECTION B-B

SKIMMER - $\frac{3}{4}$ " STRUCTURAL REINFORCED PLASTIC. OPAQUE OLIVE DRAB DISAPPEARING GREEN

SEE TYPICAL MOUNTING BRACKET DETAIL

2' TYPICAL

36" RCP OUTFALL PIPE

6" TYPICAL

CONTRACTOR TO SET RCD BRASS DISK ON TOP OF CONTROL STRUCTURE AND ELEVATION TO BE CERTIFIED BY R.L.S.

FDOT TYPE D INLET - REFER TO FDOT INDEX NO. 232 FOR ADDITIONAL DETAILS

3" PVC DRAWDOWN ORIFICE

GRATE/WEIR EL. 95.35

3" PVC DRAWDOWN ORIFICE INV. EL. 94.0 (POND NWL)

TOP OF SKIMMER EL. 96.5

SKIMMER HEIGHT=3'-0"

SKIMMER BOTTOM EL. 93.5

36" RCP OUTFALL PIPE INV. EL. 90.0

END VIEW

5 TYPE D INLET CONTROL STRUCTURE CS-2 DETAIL
NTS

-	Description	Date
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DRAINAGE DETAILS

Sheet Number: _____ Phase: _____

C-707

SE