

EXCAVATION CONSTRUCTION PLANS MODIFICATION TO IMPORT SOILS CPG - EAST COLONIAL DRIVE

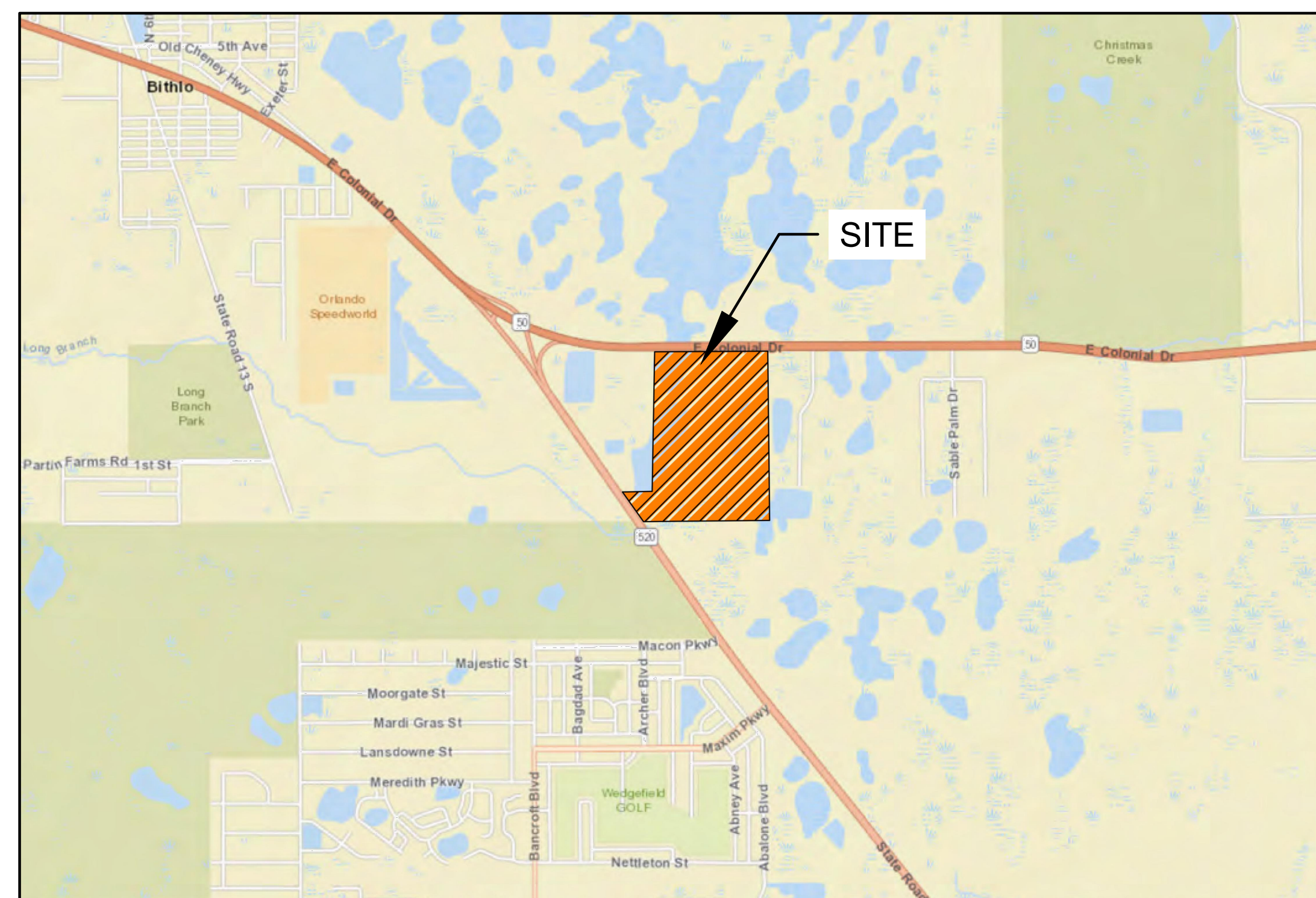
PARCEL ID# 36-22-32-0000-00-003
20978 EAST COLONIAL DRIVE
ORANGE COUNTY, FL 32709
PERMIT NO. 22-E5-0012
LATEST REVISION: SEPTEMBER 2024



ZONING MAP

INDEX OF DRAWINGS

- 1.- COVER SHEET
- 2.- EXISTING CONDITIONS
- 3.- SITE PLAN AND FINAL GRADING
- 3A - SITE PLAN WITH SOCK DRAINS
- 3B - ENTRYWAY DETAIL
- 4.- CROSS-SECTIONS AND DETAILS 1 OF 2
- 5.- CROSS-SECTIONS AND DETAILS 1 OF 2
- 6.- RESTORATION PLAN



LOCATION MAP

SITE DATA

PROPOSED USES: EXCAVATION / AG
EXISTING USE: AGRICULTURAL
ZONING: A-2
BUILDINGS: N/A
OPEN SPACE: 100 AC
EXCAVATION PITS / LAKES: 60 AC
IMPERVIOUS : N/A
BUILDING HEIGHTS: N/A
STORM WATER MANAGEMENT: SJRWMD - TBD
SETBACKS:
RESIDENCES / STRUCTURES 100 FEET
WETLANDS 25-50 FEET
PROPERTY LINES / ROADWAYS 50/100 FEET
PHASING: SEE SHEET 3
WATER SERVICE: N/A
WASTEWATER SERVICE: N/A
REFUSE STORAGE: N/A
EASEMENT: SEE SURVEY
PARKING: N/A
LANDSCAPE: N/A
CONSERVATION AREA DETERMINATION: # CAD-21-10-236

LEGAL DESCRIPTION

A TRACT OF LAND SITUATED IN SECTION 36, TOWNSHIP 22 SOUTH, RANGE 32 EAST, ORANGE COUNTY, FLORIDA BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS;
COMMENCING AT THE POINT OF INTERSECTION OF THE EAST LINE OF SAID SECTION 36 WITH THE SOUTH LINE OF STATE ROAD 50 (OLD CHENEY HIGHWAY); THENCE S89°50'06"W ALONG THE SOUTH RIGHT OF WAY LINE OF SAID STATE ROAD 50 ACCORDING TO THE SURVEY DATED JUNE 1965 (STATE PROJECT NO. 75060-2508) A DISTANCE OF 711.38 FEET TO THE POINT OF BEGINNING; THENCE S00°30'32"E A DISTANCE OF 569.77 FEET; THENCE N89°49'39"E A DISTANCE OF 210.45 FEET; THENCE S01°31'42"W A DISTANCE OF 2,149.48 FEET; THENCE S70°56'25"W A DISTANCE OF 2,571.39 FEET TO A POINT OF INTERSECTION WITH THE EASTERLY RIGHT OF WAY LINE OF STATE ROAD 520 ACCORDING TO THE SURVEY DATED DECEMBER 1999 (STATE PROJECT NO. 75140-2502) ; THENCE N34°43'30"W ALONG SAID EASTERLY RIGHT OF WAY LINE A DISTANCE OF 103.86 FEET; THENCE N70°56'25"E A DISTANCE OF 456.83 FEET TO A POINT OF INTERSECTION WITH THE WEST LINE OF THE SOUTHEAST ONE-QUARTER OF SECTION 36; THENCE N01°13'16"E ALONG SAID WEST LINE A DISTANCE OF 552.46 FEET; THENCE DEPARTING SAID ONE-QUARTER LINE N35°59'33"E A DISTANCE OF 1,067.43 FEET; THENCE N01°31'42"E A DISTANCE OF 1,334.02 FEET; THENCE N89°49'39"E A DISTANCE OF 750.01 FEET; THENCE N00°30'32"W A DISTANCE OF 569.83 FEET TO A POINT OF INTERSECTION WITH SAID SOUTH RIGHT OF WAY LINE OF STATE ROAD 50; THENCE N89°50'06"E ALONG SAID SOUTH LINE A DISTANCE OF 480.01 FEET TO SAID POINT OF BEGINNING. CONTAINING 4,364,438 SQUARE FEET, 100.19 ACRES, MORE OR LESS

APPLICANT: CPG FLORIDA, LLC
P.O. BOX 13293
TAMPA, FL 33681
P: 813-810-4673

OWNER: 20978 E Colonial Drive, LLC
210 S. Magnolia St.
Tampa, FL 33606

ENGINEER: GROVE SCIENTIFIC & ENGINEERING
6140 EDGEWATER DR., SUITE F
ORLANDO, FL 32810
P: 407-298-2282

SURVEYOR: ELLIS SURVEYS, LLC
475 W. LAKE BRANTLEY ROAD
ATLAMONTE SPRINGS, FL 32714
P: 407-834-4003

ENVIRONMENTAL CONSULTANT: BIO-TECH CONSULTING, INC.
3025 E. SOUTH STREET
ORLANDO, FL 32803
P: 407-894-5969

GEOTECHNICAL CONSULTANT: GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS, INC.
919 LAKE BALDWIN LANE
ORLANDO, FL 32814
P: 407-898-1818



GROVE SCIENTIFIC & ENGINEERING
DAVID BEBEN, P.E.
P.E. No.: 73005, FL
Grove Scientific & Engineering
FBPE No. 7602

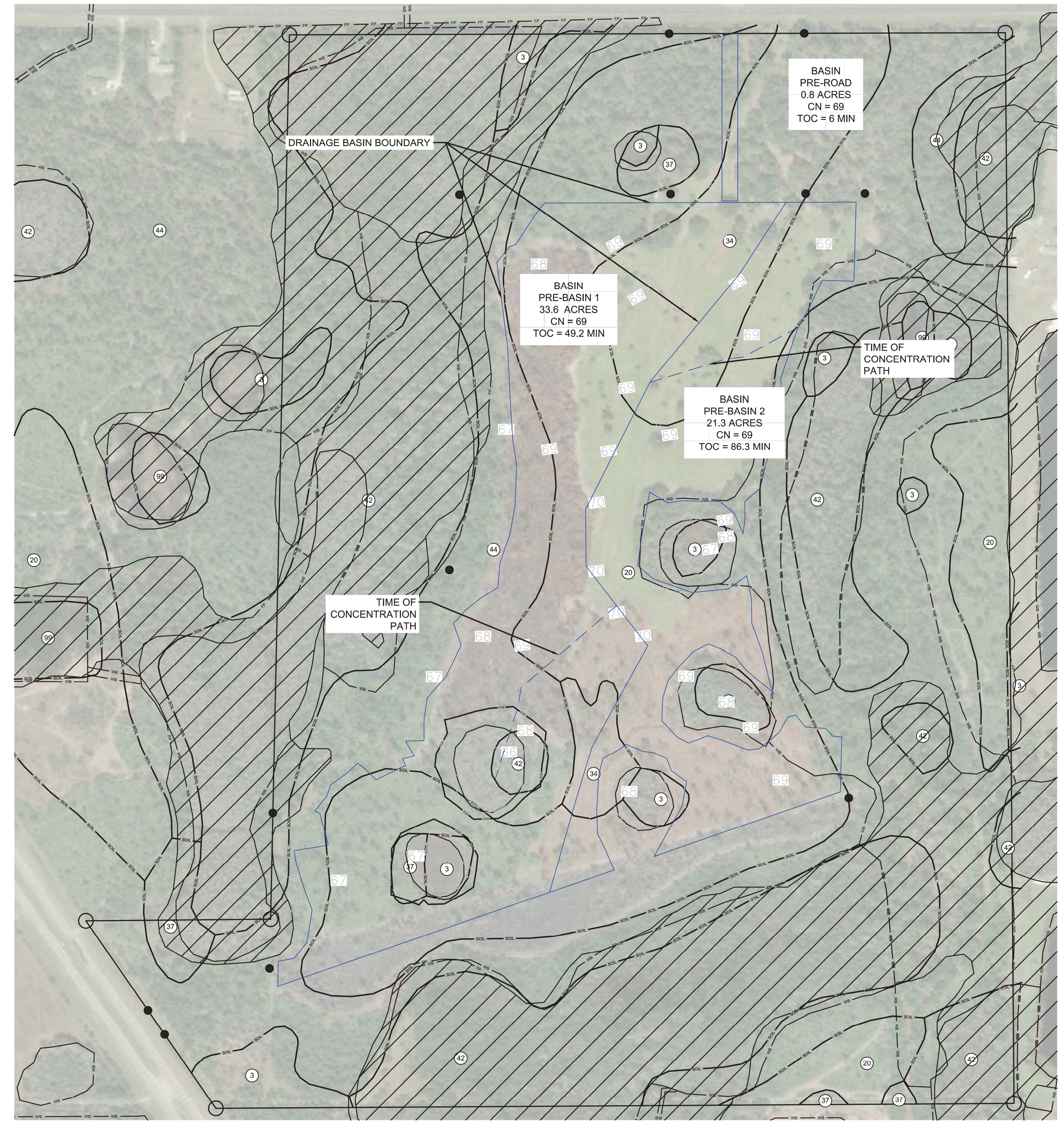
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| 3/22 | JG | JG | JG | JG | JG |
| 3/22 | THM | THM | THM | THM | THM |
| 3/22 | DB | DB | DB | DB | DB |

| DATE | OC PW PERMIT RENEWAL | REVISIONS |
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| 2/24 | OC PW PERMIT RENEWAL | |
| 2/24 | OC PW PERMIT RENEWAL COMMENTS | |
| 2/24 | OC PW PERMIT RENEWAL COMMENTS | |
| 09/24 | MOD TO IMPORT SOILS | |

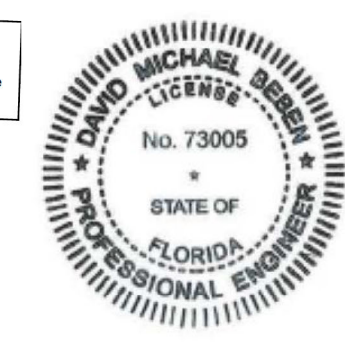
| |
|---|
| COVER SHEET |
| CPG - EAST COLONIAL DRIVE 20978 E. COLONIAL DRIVE CHRISTMAS, FL 32709 |
| PROJECT NO. 291700 |
| SHEET 1 |

THIS SEAL IS VALID ONLY WHEN USED IN CONNECTION WITH THE PROFESSIONAL ENGINEERING ACTS OF THE STATE OF FLORIDA. IT IS VOID IF USED IN ANY OTHER MANNER OR IN ANY OTHER STATE. THE SEAL IS THE PROPERTY OF THE BOARD OF PROFESSIONAL ENGINEERS AND SURVEYORS OF THE STATE OF FLORIDA.

C:\Users\David\Grove Scientific\Dropbox\David Beben\2 CLIENT FILES\00000-Client\CPG FL-Phil\241700\CA\00000-OC Permit Mod to Import Soil\Sheet 1 (Cover Sheet).dwg SHEET SIZE: ARCH FULL BLEED D (24.00 X 36.00 INCHES) PEN STYLE: 44X96 CFB (PDA WIDE FORMAT) CFB LAYOUT NAME: SHEET 1.LAST SAVE BY: DAVID 8/27/2024 5:11:46 PM



This plan has been electronically signed and sealed by David Beben, P.E. on the date adjacent to the seal using a track authentication code. Printed copies of this document are not considered signed and sealed and the track authentication code must be verified on any electronic copies.



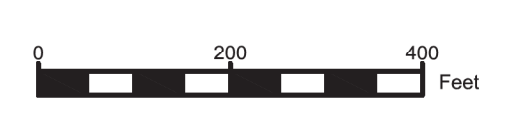
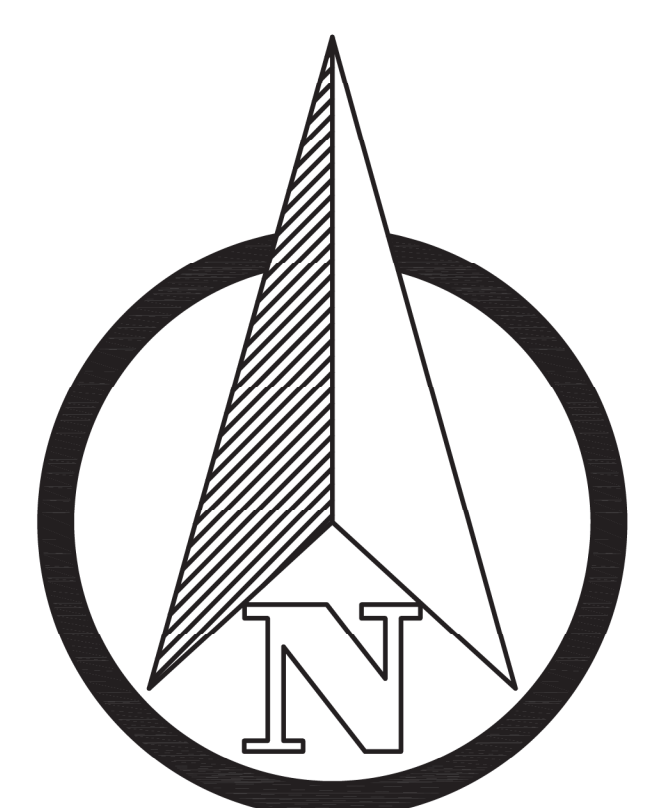
GROVE
SCIENTIFIC & ENGINEERING
DAVID BEBEN, P.E.
P.E. No.: 73005, FL
Grove Scientific & Engineering
CA. LICENSE No. 7802
6140 Edgewater Dr., Suite F
Burlingame, CA 94010
Tel: 415-288-2222

SOIL TYPES

| MAP UNIT SYMBOL | MAP UNIT NAME |
|-----------------|--|
| 3 | Basinger fine sand, frequently ponded, 0 to 1 percent slopes |
| 20 | Immokalee fine sand |
| 34 | Pomello fine sand, 0 to 5 percent slopes |
| 37 | St. Johns fine sand |
| 42 | Sanibel muck |
| 44 | Smyrna-Smyrna, wet, fine sand, 0 to 2 percent slopes |
| 99 | Water |

LEGEND

- PROPERTY BOUNDARY
- PROJECT BOUNDARY
- SOIL TYPE
- NATIONAL WETLAND INVENTORY
- FEMA 100-YEAR FLOOD PLAIN
- EXISTING TOPOGRAPHIC SURVEY - CONTOUR, FT. NAVD
- DRAINAGE BOUNDARY
- TIME OF CONCENTRATION PATH

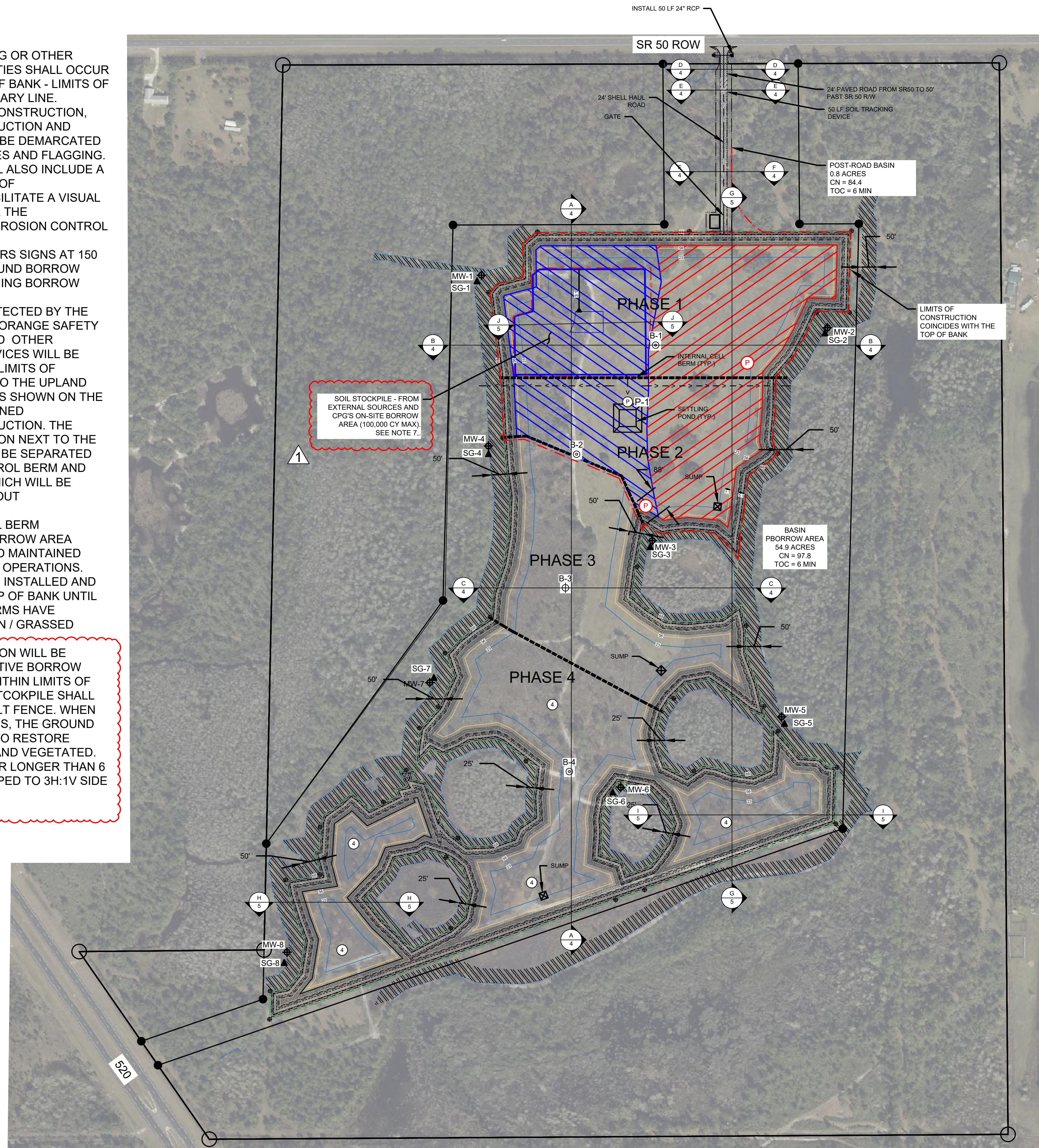


| DATE | BY | DESIGNED | DRAWN | CHECKED | FILED |
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| 03/2022 | JG | | THM | DB | DB |
| 03/2022 | JG | | THM | DB | DB |
| 03/2022 | JG | | THM | DB | DB |
| 03/2022 | JG | | THM | DB | DB |

EXISTING CONDITIONS
CPC - EAST COLONIAL DRIVE
20978 E. COLONIAL DRIVE
CHRISTMAS, FL 32709

PROJECT NO. 291700
SHEET 2

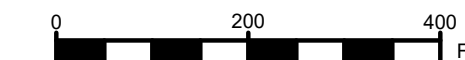
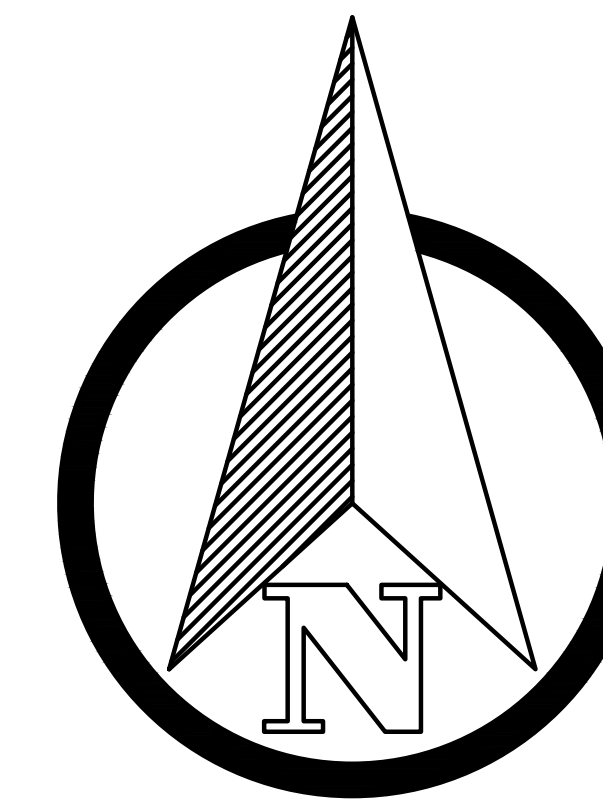
- NOTES:
- 1) NO EXCAVATION, FILLING OR OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR OUTSIDE OF THE TOP OF BANK - LIMITS OF CONSTRUCTION BOUNDARY LINE.
 - 2) PRIOR TO BEGINNING CONSTRUCTION, THE LIMITS OF CONSTRUCTION AND UPLAND BUFFERS WILL BE DEMARCATED BY SURVEY WITH STAKES AND FLAGGING. INITIAL CLEARING SHALL ALSO INCLUDE A PATH ALONG THE LIMIT OF CONSTRUCTION TO FACILITATE A VISUAL LIMIT OF CLEARING FOR THE INSTALLATION OF THE EROSION CONTROL BERM.
 - 3) INSTALL UPLAND BUFFERS SIGNS AT 150 FEET OFF CENTER AROUND BORROW AREA PRIOR TO BEGINNING BORROW ACTIVITIES.
 - 4) IN ALL AREAS NOT PROTECTED BY THE CONSTRUCTION BERM, ORANGE SAFETY FENCE, SILT FENCE, AND OTHER EROSION CONTROL DEVICES WILL BE INSTALLED ALONG THE LIMITS OF CONSTRUCTION NEXT TO THE UPLAND BUFFER BOUNDARIES AS SHOWN ON THE SITE PLAN AND MAINTAINED THROUGHOUT CONSTRUCTION. THE LIMITS OF CONSTRUCTION NEXT TO THE UPLAND BUFFER SHALL BE SEPARATED BY THE EROSION CONTROL BERM AND RECHARGE TRENCH WHICH WILL BE MAINTAINED THROUGHOUT CONSTRUCTION.
 - 5) THE EROSION CONTROL BERM SURROUNDING THE BORROW AREA SHALL BE GRASSED AND MAINTAINED THROUGHOUT FACILITY OPERATIONS.
 - 6) SILT FENCING SHALL BE INSTALLED AND MAINTAINED AT THE TOP OF BANK UNTIL EROSION CONTROL BERMS HAVE STABILIZED VEGETATION / GRASSED COVER.
 - 7) THE STOCKPILE LOCATION WILL BE LOCATED NEAR THE ACTIVE BORROW AREA AND MAY VARY WITHIN LIMITS OF CONSTRUCTION. THE STOCKPILE SHALL BE SURROUNDED BY SILT FENCE. WHEN THE LOCATION CHANGES, THE GROUND SHALL BE RE-GRADED TO RESTORE DRAINAGE PATTERNS, AND VEGETATED. STOCKPILES STATIC FOR LONGER THAN 6 MONTHS SHALL BE SLOPED TO 3H:1V SIDE SLOPES AND GRASSED.



AERIAL - 2023 MICROSOFT BING

LEGEND

- PROPERTY BOUNDARY
- PROJECT BOUNDARY
- WETLAND BOUNDARY, BIOTECH 2022
- TOP OF BANK OF EXCAVATION
- 58 PROPOSED PIT TOPOGRAPHY, FT. NAVD
- SECTION DESIGNATION
- SHEET LOCATION
- PHASE LINE
- B-1 SPT BORING
- RECHARGE TRENCH
- ECB EROSION CONTROL BERM
- HAUL ROAD
- MW-1 MONITORING WELL
- SG-1 STAFF GAUGE
- UPLAND BUFFER (VARIES)
- P-1 DEWATERING PUMP
- DEWATERING PIPING OR DITCH
- LIMIT OF EXCAVATION MARKERS @ TOB
- SF SILT FENCE
- CURRENT EXCAVATION
- PROPOSED EXCAVATION 2024



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SCIENTIFIC & ENGINEERING
CALIFORNIA LICENSE NO. 73005
FLORIDA LICENSE NO. 73005
6140 Englewood Dr., Suite F
ORLANDO, FL 32810
TEL: 407-239-2626

DATE: 03/2022
BY: JG
DESIGNED: JG
DRAWN: THM
CHECKED: DB
FILE:

ORANGE CO. PUBLIC WORKS RAI
ORANGE CO. PUBLIC WORKS RAI
EXCAVATION PERMIT RENEWAL
EXCAVATION PERMIT RENEWAL COMMENTS
OC MOD. FOR SOIL IMPORT

5/22
12/23
1/24
2/24
9/24

DATE
REVISED
CHECKED
FILE

DATE

REVISIONS

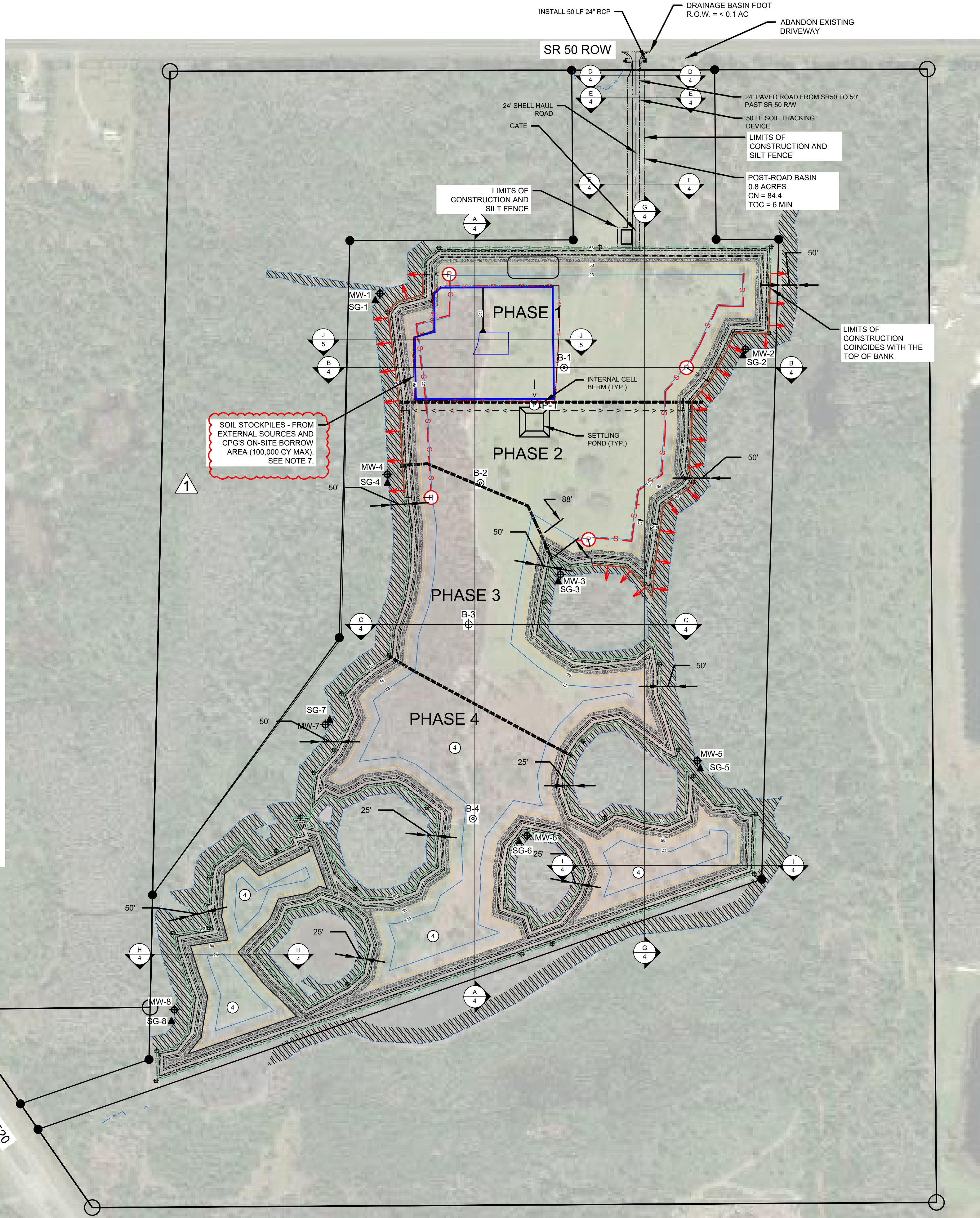
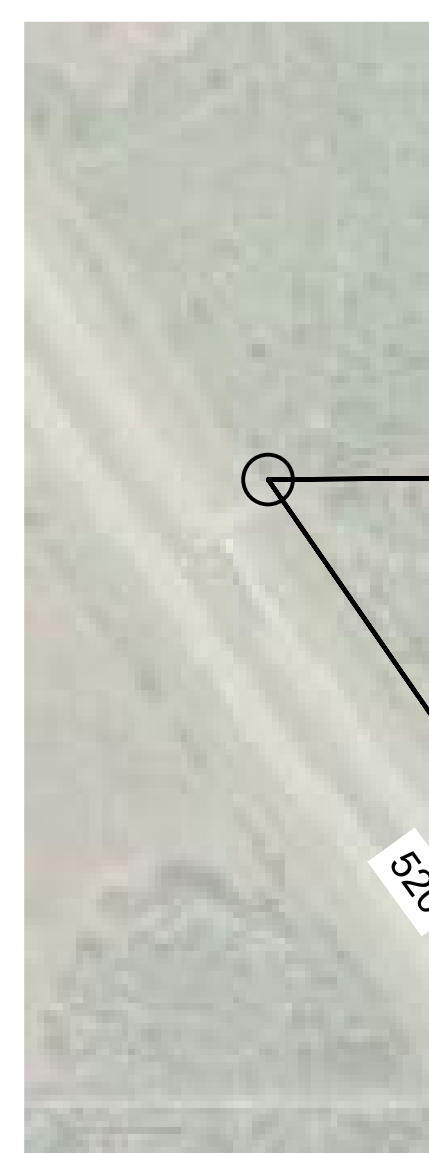
SITE PLAN AND FINAL GRADING
CPG - EAST COLONIAL DRIVE
20978 E. COLONIAL DRIVE
CHRISTMAS, FL 32709

PROJECT NO.
291700

SHEET
3

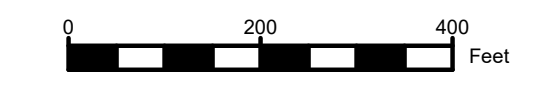
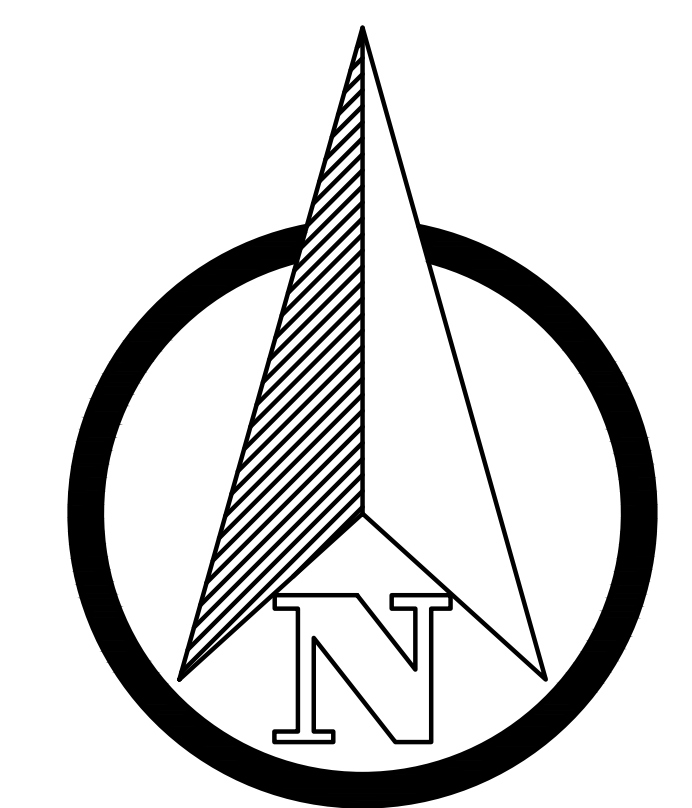
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LEGEND

- PROPERTY BOUNDARY
- PROJECT BOUNDARY
- WETLAND BOUNDARY, BIOTECH 2022
- TOP OF BANK OF EXCAVATION
- 58 PROPOSED PIT TOPOGRAPHY, FT. NAVD
- SECTION DESIGNATION
- SHEET LOCATION
- PHASE LINE
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- RECHARGE TRENCH
- EROSION CONTROL BERM
- HAUL ROAD
- MONITORING WELL
- STAFF GAUGE
- UPLAND BUFFER (VARIES)
- DEWATERING PUMP
- DEWATERING PIPING OR DITCH
- LIMIT OF EXCAVATION MARKERS @ TOB
- 4-INCH PVC, OR FLEXIBLE HOSE, DISCHARGE MANIFOLD
- SOCK DRAINS
- SILT FENCE



GROVE
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Tel: 407-298-2292

DAVID BEBEN, P.E.
P.E. No. 73005, FL
Grove Scientific & Engineering
FBPE No. 7902

| DATE | BY | DATE | REVISIONS |
|------|----|---------|-------------------------|
| 1/23 | JG | 03/2022 | PERMITTING |
| 6/22 | JG | 03/2022 | OCPEP COMMENTS |
| 7/22 | TM | 03/2022 | SURVIMD RAIF#2 |
| 2/24 | JG | 03/2022 | OCPEP COMMENTS |
| 9/24 | JG | 03/2022 | OC MOD. FOR SOIL IMPORT |

SITE PLAN WITH SOCK DRAINS
CPG - EAST COLONIAL DRIVE
20978 E. COLONIAL DRIVE
CHRISTMAS, FL 32709

PROJECT NO.
291700
SHEET
3A



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P.E. No. 79005, FL
6140 Esplanade Dr., Suite F
Gulf Bldg., FL 32810
P. 407.238-2332

DAVID BEBEN, P.E.
P.E. No. 79005, FL
Grove Scientific & Engineering
FBPE No. 7902

| DATE | BY | DATE | BY |
|--------|-----|--------|----|
| 3/2022 | JG | 3/2022 | JG |
| 3/2022 | THM | 3/2022 | DB |
| 3/2022 | DB | 3/2022 | JG |

| REVISIONS | DATE | REVISIONS |
|-----------|------|-------------------------------|
| 1/24 | 1/24 | OC PW PERMIT RENEWAL |
| 1/24 | 1/24 | OC PW PERMIT RENEWAL COMMENTS |
| 2/24 | 2/24 | OC PW PERMIT RENEWAL COMMENTS |
| 9/24 | 9/24 | OC MOD. TO IMPORT SOIL |

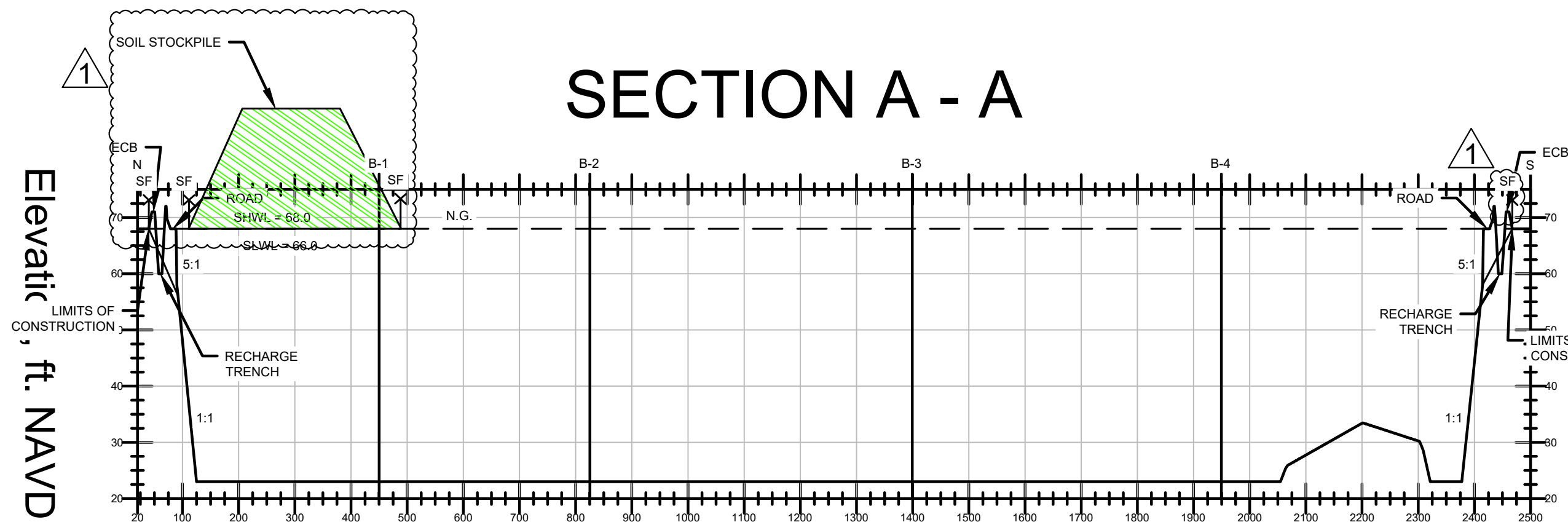
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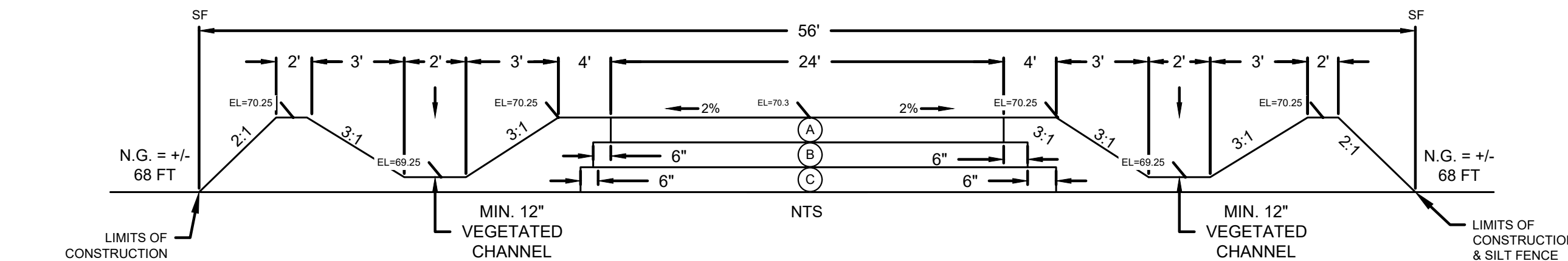
CROSS-SECTIONS AND DETAILS 1 OF 2
CPG - EAST COLONIAL DRIVE
20978 E. COLONIAL DRIVE
CHRISTMAS, FL 32709

PROJECT NO. 291700
SHEET 4

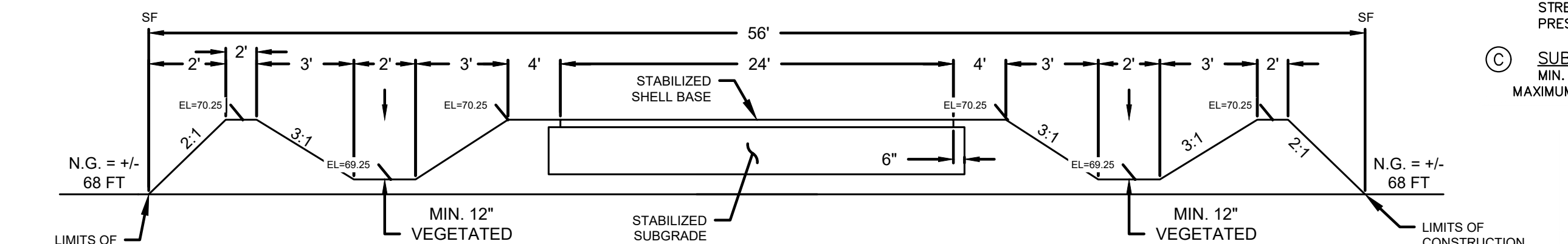
SECTION A - A



SECTION D - D PAVED ROAD



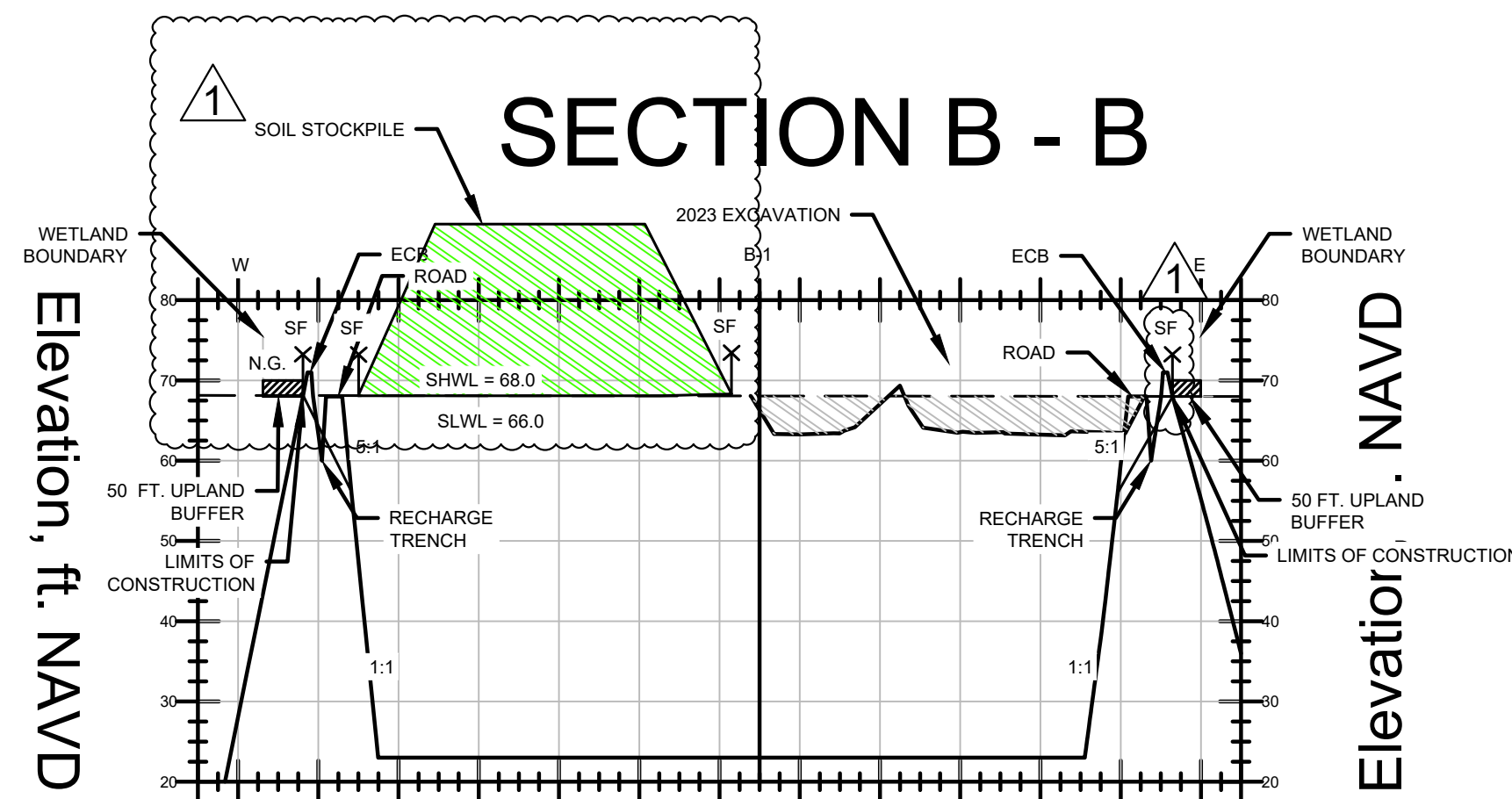
SECTION F-F SHELL ROAD



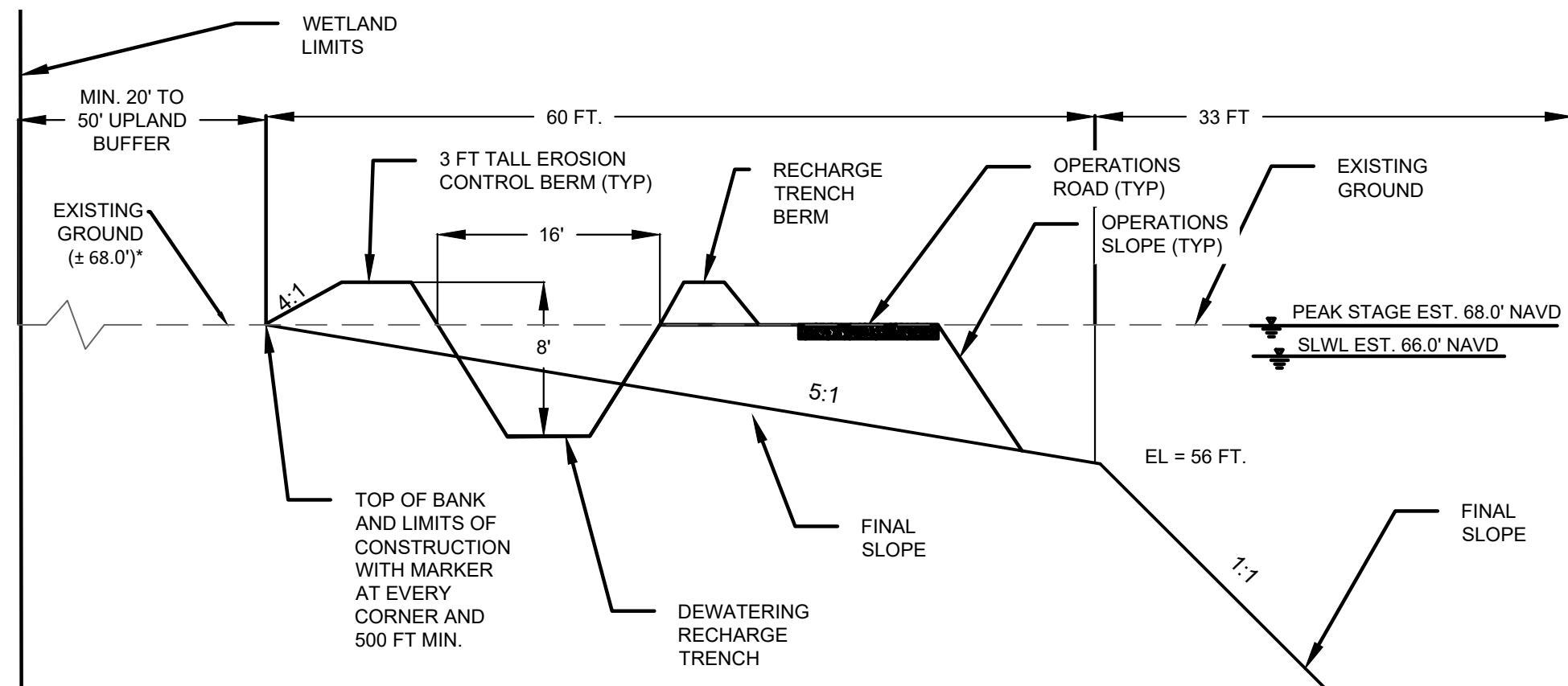
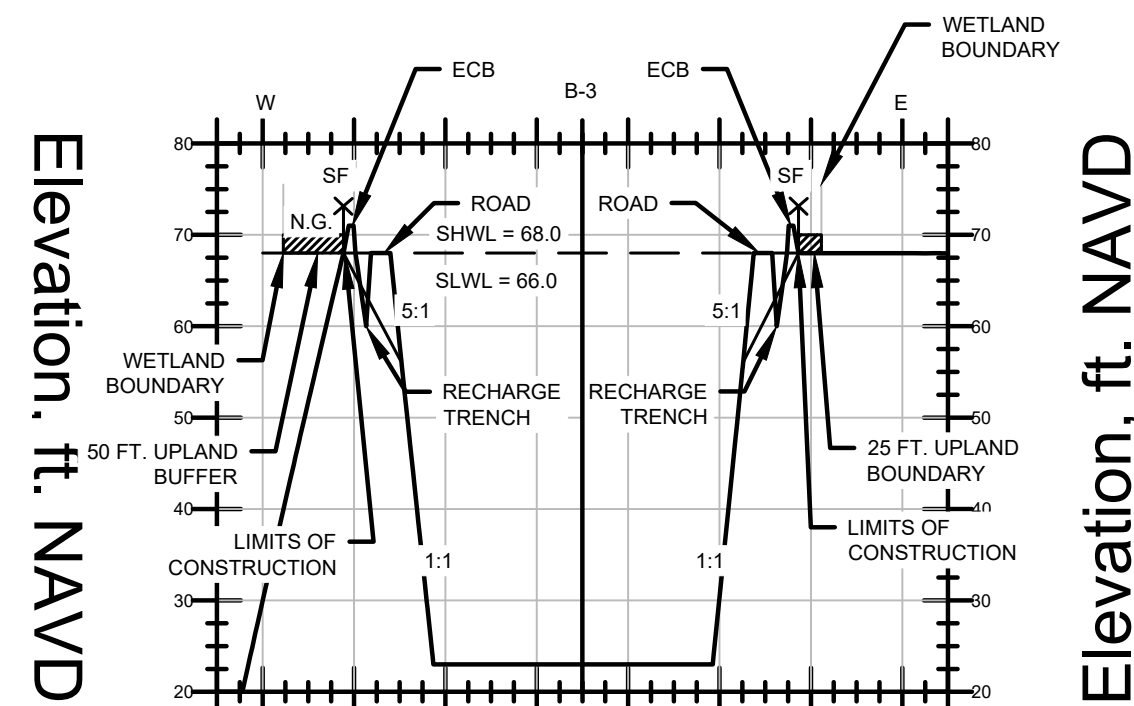
- (A) ASPHALT MINIMUM 2.0" TYPE SUPERPAVE 9.5 OR 12.5 ASPHALTIC CONCRETE PAVEMENT
- (B) BASE COURSE MIN. 12" CRUSHED CONCRETE BASE (MIN. 7 DAY LABORATORY COMPRESSIVE STRENGTH 300 psi; MIN. DENSITY 95% OF THE MAXIMUM DENSITY PRESCRIBED IN AASHTO T-134, MAY BE REPLACED WITH SOIL CEMENT)
- (C) SUBGRADE UNDER PAVEMENT BASE MIN. 12" SUBGRADE (COMPACTED TO 95% OF THE MATERIALS AASHTO T-180 MAXIMUM DRY DENSITY)

- NOTES:
- CONTRACTOR TO OBTAIN THE GEOTECHNICAL REPORT AND FOLLOW THE PAVING RECOMMENDATIONS AND SITE PREPARATION INSTRUCTIONS.
 - ALL DRIVING SURFACES SHALL SUPPORT A 42 TON LOAD PER 18.2.3.4.2 NFPA 1 (FPFC 6TH EDITION)
 - STOP SIGN TO BE AT LEAST MINIMUM SIZE FOR CONVENTIONAL ROADWAYS (TYP. 30"x30")

SECTION B - B



SECTION C - C

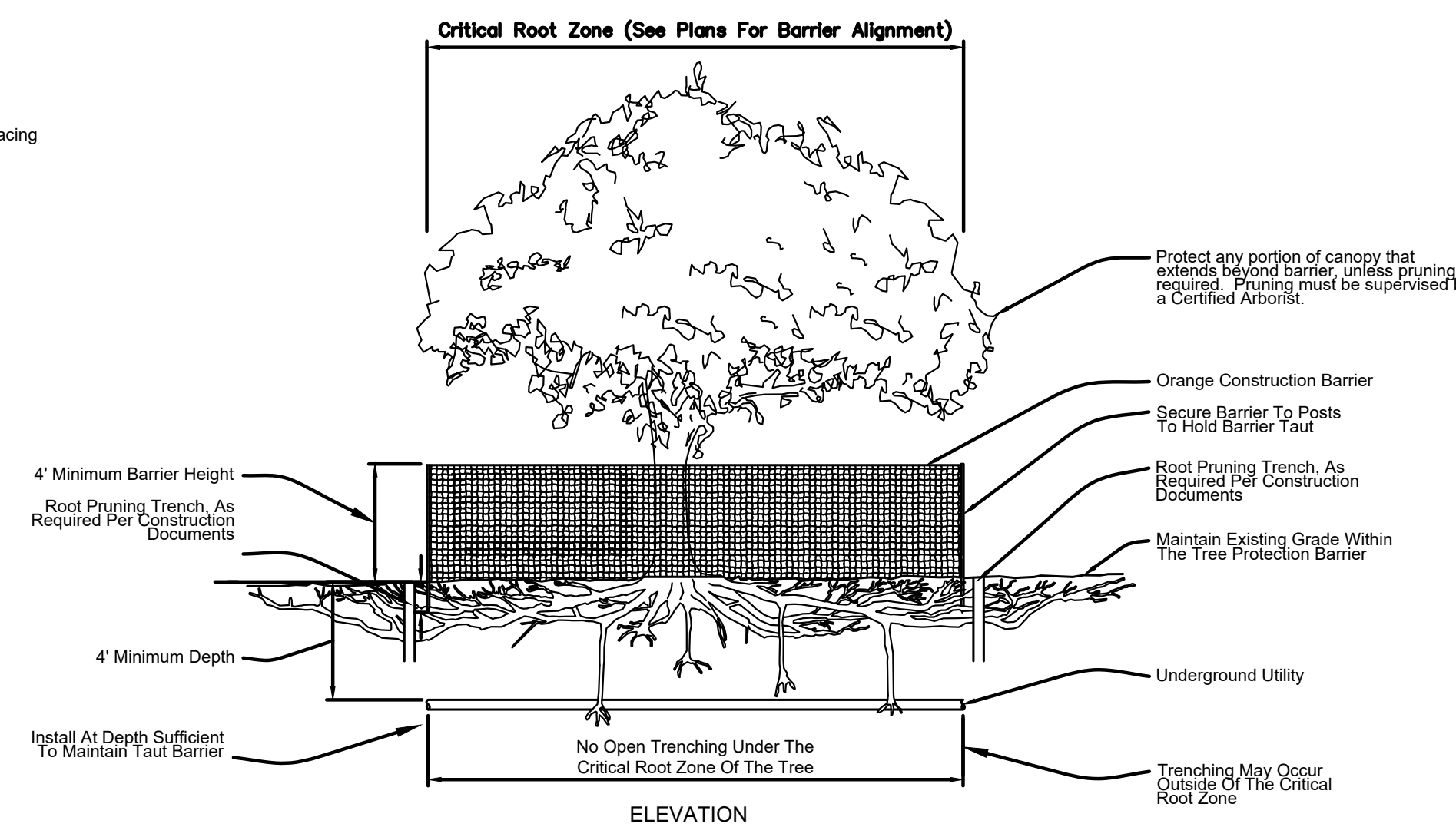
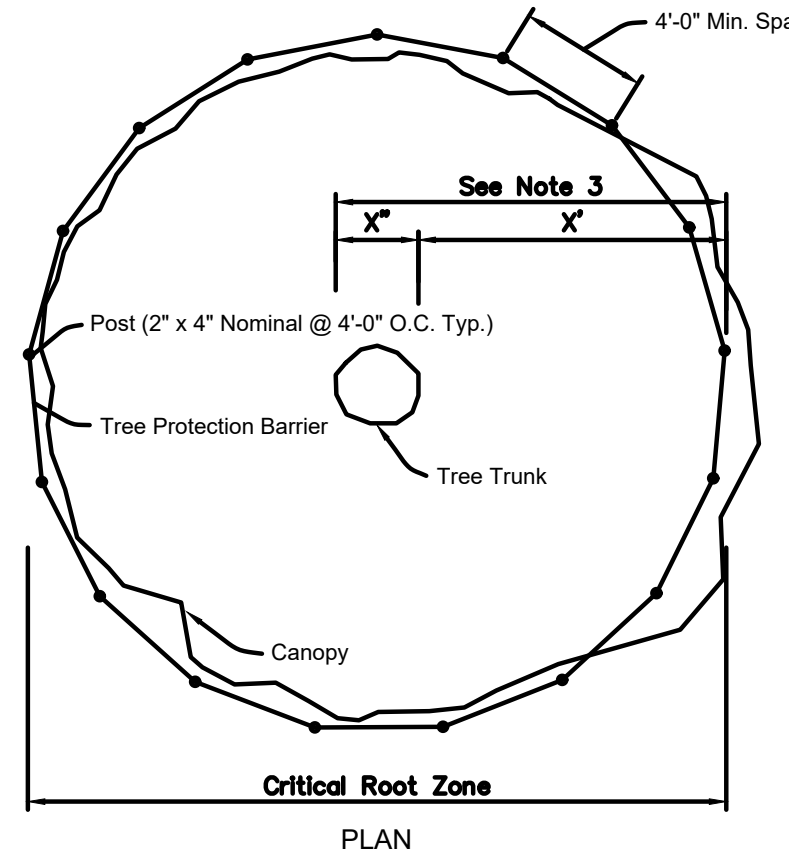
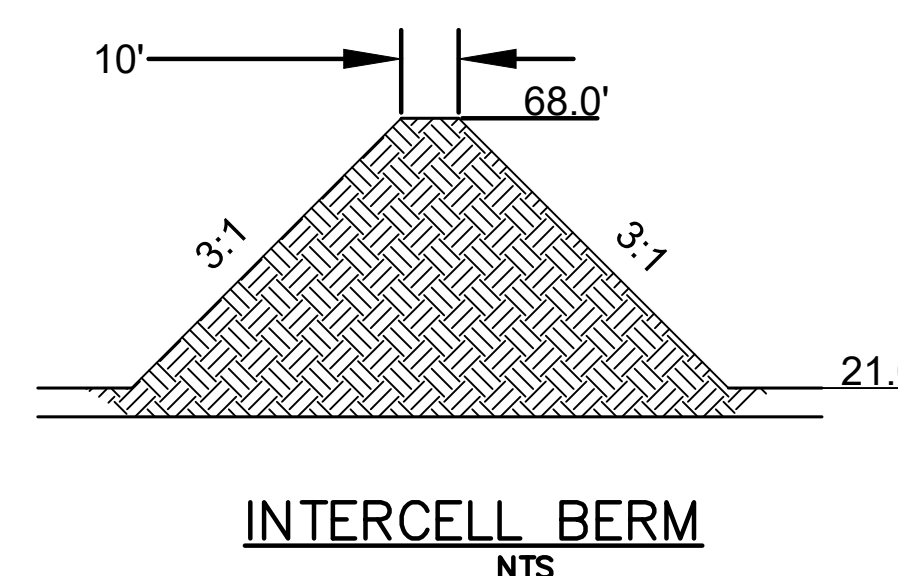
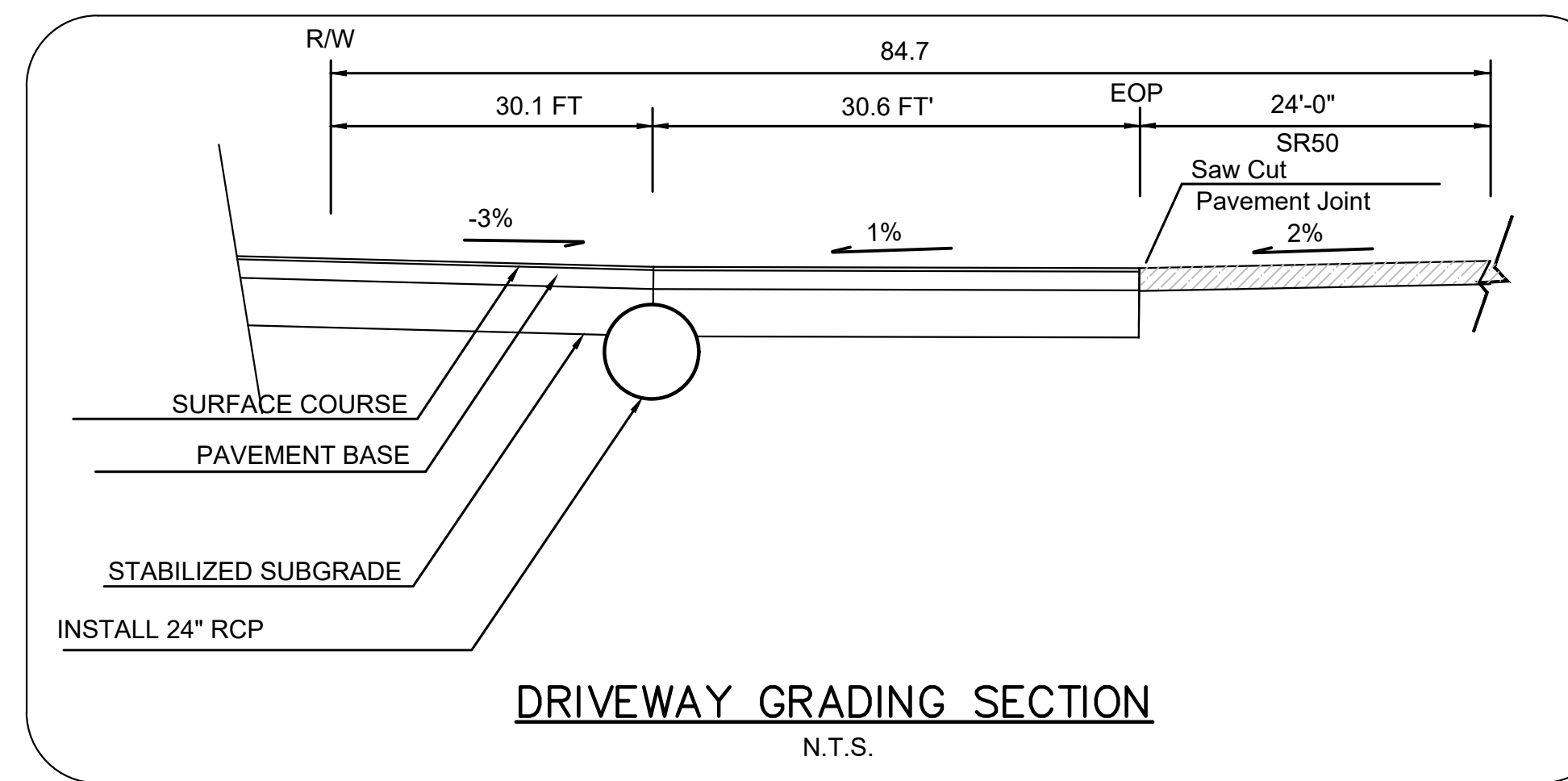


TYPICAL PIT CROSS SECTION
N.T.S.

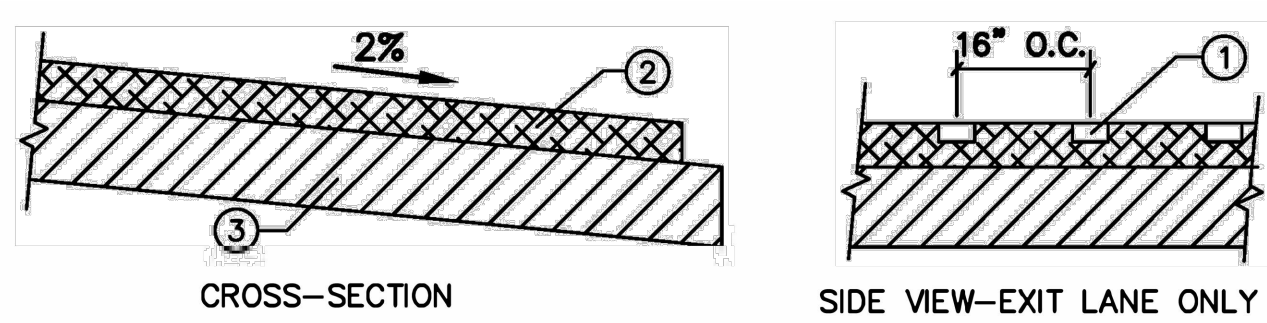
TREE PROTECTION NOTES

- FOLLOWING DEVELOPMENT APPROVAL IT SHALL BE UNLAWFUL FOR ANY PERSON, DURING THE CONSTRUCTION OF ANY STRUCTURES OR OTHER IMPROVEMENTS, TO PLACE SOLVENTS, MATERIAL, CONSTRUCTION MACHINERY OR SOIL DEPOSITS WITHIN THE DRIP-LINE OF ANY TREE WHICH IS DESIGNATED TO REMAIN. STAGING, STORAGE, DUMPING, WASHING AND OPERATION OF EQUIPMENT IS NOT PERMITTED WITHIN THE LIMITS OF THE TREE PROTECTION BARRIER. INCLUDING DURING BARRIER INSTALLATION.
- INSTALL ALL TREE PROTECTION PRIOR TO COMMENCEMENT OF CONSTRUCTION AND REMOVE WHEN DIRECTED BY THE ENGINEER. MAINTAIN PROTECTION AT ALL TIMES IT SHALL BE THE RESPONSIBILITY OF THE PERMITTEE TO ENSURE THAT ANY TREE OR STAND OF TREES DESIGNATED TO REMAIN BE PROTECTED WITH PROTECTIVE BARRIERS DURING CONSTRUCTION. BARRIERS FOR THE DESIGNATED PROTECTED TREES SHALL BE IN PLACE PRIOR TO ANY LAND CLEARING OCCURRING NEAR PROTECTED TREES DESIGNATED TO REMAIN. THE PROPERTY OWNER SHALL GUARANTEE SURVIVAL OF RETAINED OR REPLACEMENT TREES FOR ONE (1) YEAR FROM THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY ON SINGLE-FAMILY RESIDENTIAL LOTS. ALL TREES INSTALLED TO MEET THE REQUIREMENTS OF THIS ARTICLE SHALL BE PLANTED AND IRRIGATED IN ACCORDANCE WITH ORANGE COUNTY CODE.
- PROTECTIVE BARRIERS SHALL BE PLACED AT POINTS NOT CLOSER THAN SIX FEET FROM THE BASE OF THE TREE OR AT THE RADIUS OF THE DRIP-LINE OF THE PROTECTED TREE OR STAND OF TREES, WHICHEVER IS GREATER, IF CIRCUMSTANCES EXIST THAT REQUIRE ENCROACHMENT OF THE DRIP-LINE. THE ZONING MANAGER MAY USE

- DISCRETION IN ALLOWING THE BARRIERS TO BE PLACED CLOSER TO THE TREE TRUNK EACH SECTION OF THE BARRIER SHALL BE CLEARLY VISIBLE (FLAGGED WITH BRIGHTLY COLORED PLASTIC TAPES OR OTHER MARKERS), NO ATTACHMENTS OR WIRES OTHER THAN THOSE OF A PROTECTIVE OR NONDAMAGING NATURE SHALL BE ATTACHED TO ANY TREE.
- THE ZONING MANAGER OR OTHER COUNTY DESIGNEES MAY CONDUCT PERIODIC INSPECTIONS OF THE SITE. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER AND THE PERMITTEE TO ENSURE THAT ALL PROVISIONS OF THIS ARTICLE ARE MET.
- IMPERVIOUS SURFACES PLACED BENEATH THE DRIP-LINE OF ANY PRESERVED TREE SHALL NOT EXCEED FORTY PERCENT (40%) OF THE DRIP-LINE AREA AND SHALL NOT BE PLACED CLOSER THAN SIX FEET FROM THE TRUNK OF ANY SUCH TREES WITHOUT PRIOR APPROVAL FROM THE ZONING MANAGER OR AS ALLOWED PER ORANGE COUNTY CODE.
- ALL PRESERVED TREES SHALL HAVE THEIR NATURAL SOIL LEVEL MAINTAINED. TREE WELLS AND/OR PLANTER ISLANDS SHALL BE PROVIDED, IF NECESSARY, TO MAINTAIN THE NATURAL EXISTING SOIL LEVEL OF AT LEAST SEVENTY-FIVE PERCENT (75%) OF THE DRIP-LINE.
- TREES PLANTED OR RETAINED AS REQUIRED BY THIS ARTICLE SHALL NOT BE TRIMMED OR SEVERELY PRUNED SO AS TO APPEAR STUNTED. TREES SHALL BE PRUNED AS NEEDED TO MAINTAIN HEALTH AND FORM IN SUCH A WAY THAT RETAINS OR IMPROVES THE NATURAL FORM OF THAT TREE SPECIES. IMPROPER PRUNING TECHNIQUES SHALL BE AS DETERMINED BY THE ZONING MANAGER. ALL TREE PRUNING SHALL BE CONDUCTED ACCORDING TO THE LATEST EDITION OF THE NATURAL ARBORIST ASSOCIATION STANDARDS. TREES DAMAGED OR DESTROYED DUE TO IMPROPER TRIMMING OR SEVERE PRUNING SHALL BE REPLACED IN ACCORDANCE WITH ORANGE COUNTY CODE SECTION 15-281(D).



TREE PROTECTION BARRIER FOR TREE NUMBERS 329, 403, 437, 472, AND 592



PAVEMENT SCHEDULE

| LEGEND | TYPE | ① | ② | ③ |
|---------------------|---|---|---|---|
| VEHICLE SOIL TRAP | 2+ PERPENDICULAR TO EXIT TRAFFIC LANE. REMOVE ONCE HMA IS PLACED AND ROLLED | 3" TYPE SP-12.5 HOT MIX ASPHALT, PER FOOT SPECS | 12" RECYCLED CONCRETE BASE, TWO LIFTS & COMPLIANT W/ ORANGE COUNTY BASE STANDARDS | |
| HEAVY DUTY PAVEMENT | | 3-1/2" TYPE SP-12.5 HOT MIX ASPHALT, PER FOOT SPECS | 12" RECYCLED CONCRETE BASE, TWO LIFTS & COMPLIANT W/ ORANGE COUNTY BASE STANDARDS | |

SECTION E-E SOIL TRACKING DEVICE

BEST MANAGEMENT PRACTICES / EROSION CONTROL PLAN

THIS PLAN HAS BEEN PREPARED TO ENSURE COMPLIANCE WITH THE RULES OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, CHAPTER 17-25, F.A.C., AND THE FLORIDA WATER MANAGEMENT DISTRICT, CHAPTER 406-4, F.A.C. THE PLAN ADDRESSES PROTECTION OF PRESERVED/CONSERVED UPLAND HABITATS DURING CONSTRUCTION, GENERAL EROSION CONTROL, PROTECTION OF SURFACE WATER QUALITY DURING AND AFTER CONSTRUCTION, AND CONTROL OF WIND EROSION.

- SECTION 1 GENERAL EROSION CONTROL
GENERAL EROSION CONTROL BMPs SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION AND POTENTIAL BORROW AREA SLOPE CAVE-INS. WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED AS SOON AS POSSIBLE DURING CONSTRUCTION ACTIVITIES.

- SECTION 2 PROTECTION OF SURFACE WATER QUALITY
WHERE PRACTICAL, STORMWATER SHALL BE CONVEYED BY SWALES.
EROSION CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE TURBIDITY OF SURFACE WATERS LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY.

- SECTION 3 CONTROL OF WIND EROSION
BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUGITIVE DUST.

- SECTION 4 CONTROL OF WIND EROSION
CONSTRUCTION THAT WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF FUGITIVE DUST, OTHER METHODS AS ARE NECESSARY FOR SUCH CONTROL SHALL BE EMPLOYED WHICH MAY INCLUDE ERECTION OF DUST CONTROL FENCES.

DAILY MAINTENANCE OF EROSION CONTROL MEASURES IS CRITICAL AT THE SITE. THE OWNER/CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. THE EROSION CONTROL SYSTEM DESCRIBED WITHIN THE CONSTRUCTION DOCUMENTS SHOULD BE CONSIDERED TO REPRESENT THE MINIMUM ACCEPTABLE STANDARDS FOR THIS PROJECT.

RECLAMATION NOTES:

- 1. ALL WORK SHALL BE ACCORDANCE WITH ORANGE COUNTY EXCAVATION AND FILL ORDINANCE CHAPTER 16.
2. DUST ABATEMENT TO BE DONE BY WATER TRUCKS AS NEEDED.
3. PLAN OF RECLAMATION: ALL DISTURBED AREAS SHALL BE SEEDED, MULCHED, AND FERTILIZED. A DENSE STAND OF GRASS SHALL BE ESTABLISHED.

WATER LEVEL MONITORING PLAN

THE PROPOSED MONITORING PROGRAM TO BE PERFORMED TO ENSURE THAT THE SURROUNDING WETLANDS ARE NOT NEGATIVELY IMPACTED BY DEWATERING OPERATIONS WILL INCLUDE A RAINFALL GAUGE, STAFF GAUGES AND GROUNDWATER LEVEL PIEZOMETERS AND REPORTING.

AS AN ADDITIONAL PRECAUTION, IT IS PROPOSED TO INSTALL FIVE (5) GROUNDWATER OBSERVATION WELLS, OR PIEZOMETERS, AT THE LOCATIONS SHOWN ON SHEET 3 IN ORDER TO MONITOR GROUNDWATER LEVELS WITHIN THE SURFICIAL AQUIFER.

EXCAVATED MATERIAL WILL BE USED TO CREATE A BERM AROUND THE PROJECT LIMITS TO ISOLATE ALL OUTSIDE AREAS. THE RECHARGE TRENCH OR EROSION CONTROL BERM WILL BE EXCAVATED AT THE PROJECT LIMITS PROVIDING A CONTINUOUS TRENCH OR BERM ALL AROUND THE EXCAVATION SITE.

THE FINAL COMPLETION / RECLAMATION OF THE PIT SLOPES WILL BE PERFORMED ONCE THE PIT IS SLOPED. THE RESTORATION PLAN FOR EACH PIT WILL MEET THE CRITERIA SPECIFIED IN SECTION 16-8(a)(3) OF THE ORANGE COUNTY CODE.

ANNUAL REPORTS WILL BE SUBMITTED TO SUMMARIZE THE YEAR'S MONITORING DATA, AND COMPARE TO THE PREVIOUS YEAR'S REPORT.

CONSTRUCTION PHASING

PLEASE NOTE: ALL DISCUSSION BELOW TAKES PLACE WITHIN THE AREA NOTED AS THE TOP OF BANK (TOB). FOR THE REST OF THIS DISCUSSION, THE TOB LIMITS ALSO MEAN THE PROJECT BOUNDARY. THERE ARE NO SITE ACTIVITIES PROPOSED OUTSIDE OF THE PROJECT LIMITS.

THIS PROJECT WILL BE PERFORMED IN ONE PIT, CONSISTING OF FOUR CELLS, OR PHASES. THE PROJECT LIMITS WILL BE CLEARED AND THE RECHARGE TRENCH EXCAVATED OR EROSION BERM WILL BE BUILT, PRIOR TO PIT EXCAVATION.

EACH PIT AS SHOWN ON SHEET 3 WILL BE CONSIDERED THE ZONE OF CONSTRUCTION FOR EACH PHASE. THE STAGING OF EQUIPMENT AND MATERIALS WILL BE CONCENTRATED IN THE CENTER OF EACH CELL. EQUIPMENT WILL CONSIST OF A BACK HOE OR LOADER TO LOAD TRUCKS THE TRUCKS BEING LOADED ARE ONLY IN THE AREA TO BE LOADED AND THEN LEAVE.

ALL TRAFFIC WILL ENTER AND EXIT THE PROJECT LIMITS VIA THE HAIL ROAD AS SHOWN ON SHEET 3. ONCE INSIDE THE PROJECT LIMITS, THERE IS NO ACCESS TO ANY AREAS OUTSIDE THE PROJECT LIMITS.

THE FINAL COMPLETION / RECLAMATION OF THE PIT SLOPES WILL BE PERFORMED ONCE THE PIT IS SLOPED. THE RESTORATION PLAN FOR EACH PIT WILL MEET THE CRITERIA SPECIFIED IN SECTION 16-8(a)(3) OF THE ORANGE COUNTY CODE.

SJRWMD MITIGATION PLAN FOR UPLAND BUFFER & WETLANDS

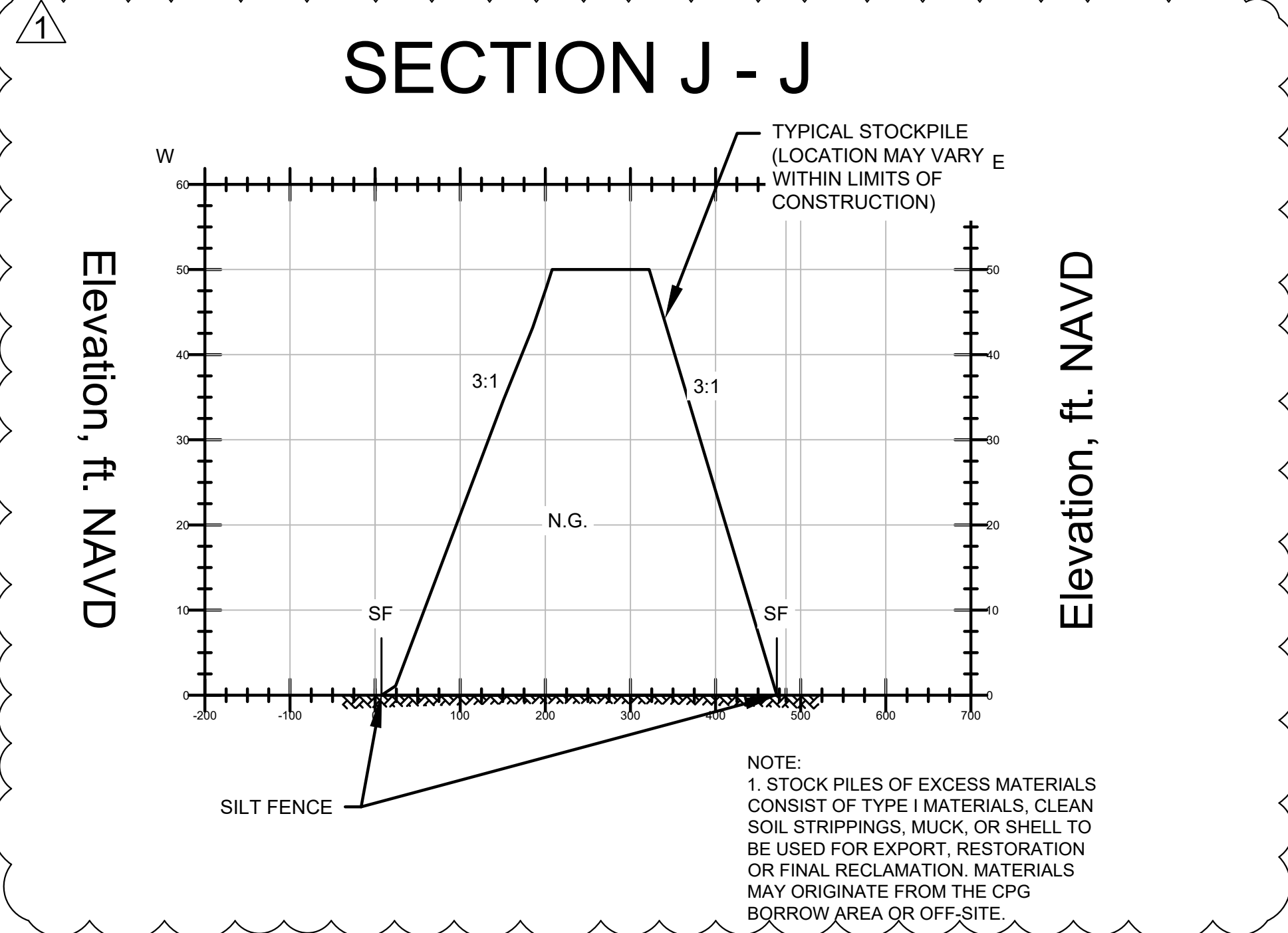
THE PROJECT CONTAINS A TOTAL OF 18.85 ACRES OF WETLANDS. DURING THE ERP APPLICATION PROCESS, THE SITE'S UPLANDS AND PORTIONS OF THE WETLANDS WERE ROLLER CHOPPED AS PART OF THE LAND MANAGEMENT PRACTICES FOR CATTLE.

PRESERVATION AREA MONITORING
THE PROJECT'S UPLAND AND WETLAND PRESERVATION AREAS WILL BE QUALITATIVELY MONITORED FOR A PERIOD OF THREE (3) YEARS. THE MONITORING EVENTS WILL OCCUR ON A SEMI-ANNUAL BASIS FOR THE ENTIRE MONITORING PERIOD.

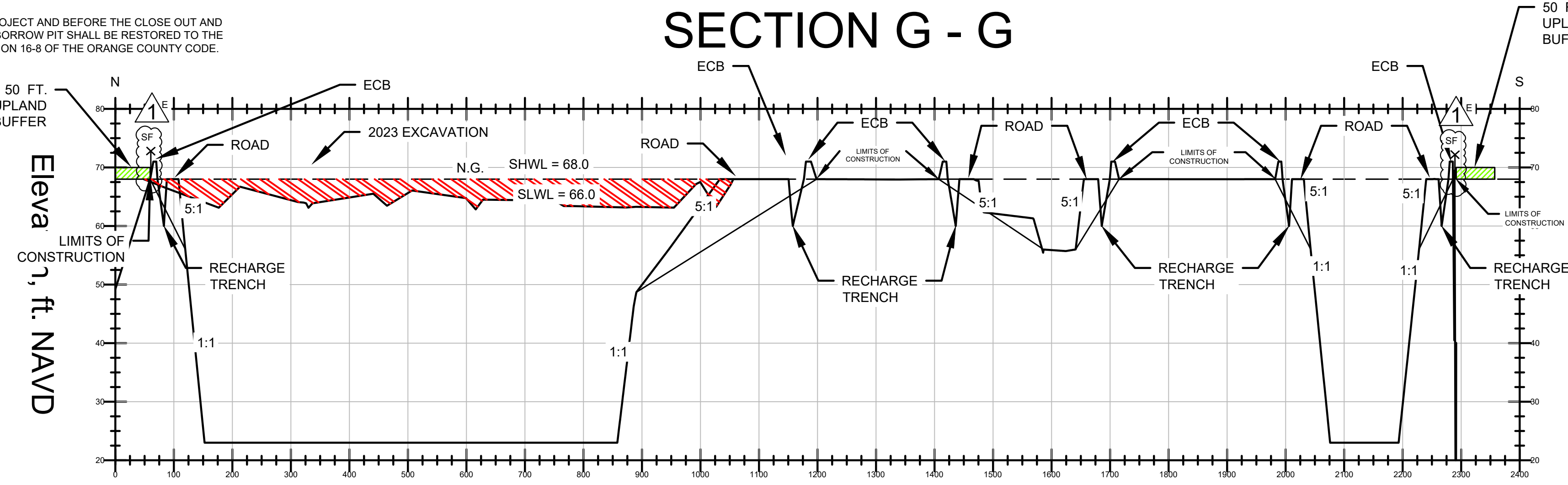
PRESERVATION AREA MAINTENANCE
DURING THE THREE (3) YEAR MONITORING PERIOD, MAINTENANCE EVENTS TO CONTROL NUISANCE AND EXOTIC VEGETATION WILL OCCUR ON AN AS-NEEDED BASIS. MAINTENANCE EVENTS WILL BE CONDUCTED TO ENSURE THAT THE CONSERVATION AREAS ARE FREE FROM INVASIVE EXOTIC VEGETATION (AS DEFINED BY THE FLORIDA EXOTIC PEST PLANT COUNCIL AT THE DATE OF PERMIT ISSUANCE) IMMEDIATELY FOLLOWING A MAINTENANCE ACTIVITY AND SHALL CONSTITUTE NO MORE THAN 5% OF VEGETATIVE COVER BETWEEN MAINTENANCE ACTIVITIES.

MAINTENANCE SHALL BE CONDUCTED TO ENSURE THAT THE PRESERVATION AREAS ARE FREE FROM INVASIVE EXOTIC VEGETATION (AS DEFINED BY THE FLORIDA EXOTIC PEST PLANT COUNCIL AT THE DATE OF PERMIT ISSUANCE) IMMEDIATELY FOLLOWING A MAINTENANCE ACTIVITY AND SHALL CONSTITUTE NO MORE THAN 5% OF VEGETATIVE COVER BETWEEN MAINTENANCE ACTIVITIES.

- 1) 0% COVERAGE OF CATEGORY 1 EXOTIC VEGETATION IMMEDIATELY FOLLOWING A MAINTENANCE ACTIVITY.
2) COVERAGE OF EXOTIC SPECIES SHALL NOT EXCEED 5% AND COVERAGE OF NUISANCE PLANT SPECIES SHALL NOT EXCEED 10% OF TOTAL COVER BETWEEN MAINTENANCE ACTIVITIES.

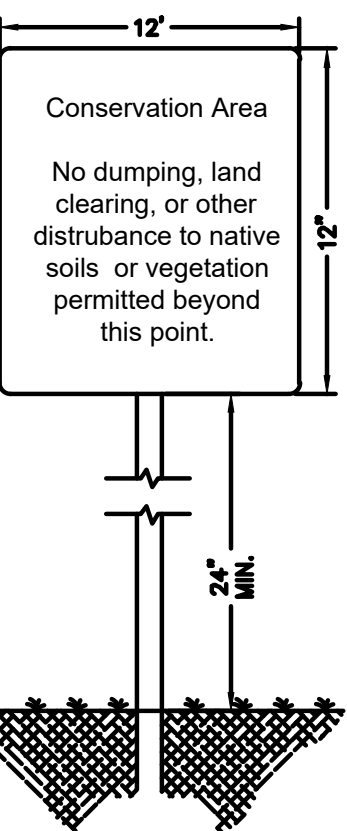


NOTE:
1. STOCK PILES OF EXCESS MATERIALS SHALL CONSTITUTE NO MORE THAN 10% OF TOTAL COVER.
2. COVERAGE OF EXOTIC SPECIES SHALL NOT EXCEED 5% AND COVERAGE OF NUISANCE PLANT SPECIES SHALL NOT EXCEED 10% OF TOTAL COVER BETWEEN MAINTENANCE ACTIVITIES.

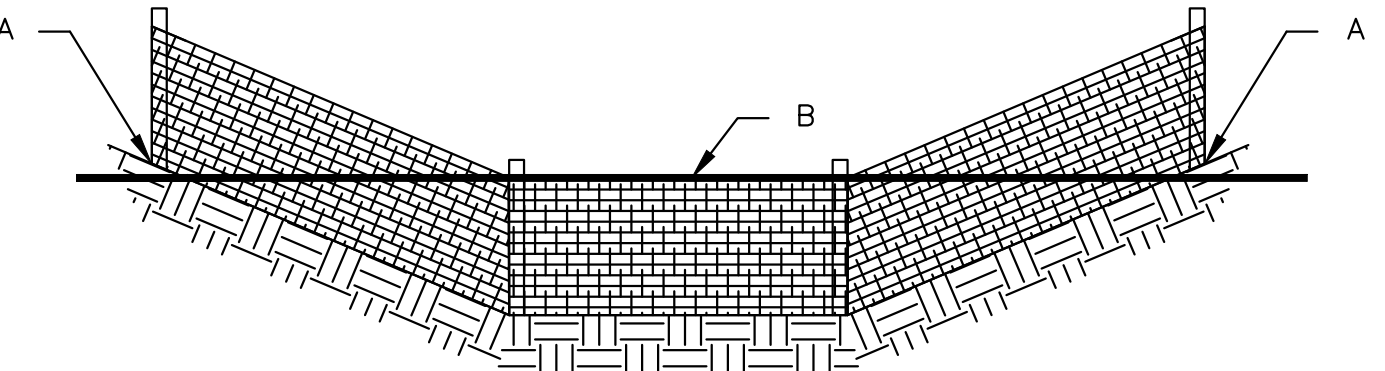


NOTE:
SIGNS TO BE INSTALLED PRIOR TO CONSTRUCTION @ 150-FOOT O.C. IN AREAS ADJACENT TO EXCAVATIONS.

UPLAND BUFFER AREAS BETWEEN THE WETLANDS AND LIMITS OF CONSTRUCTION SHALL REMAIN UNDISTURBED. ALL CONSTRUCTION, DUMPING, AND DISTURBANCE TO SOILS AND VEGETATION INCLUDING MOWING, TRIMMING AND REMOVAL IS PROHIBITED.



UPLAND BUFFER SIGN NTS

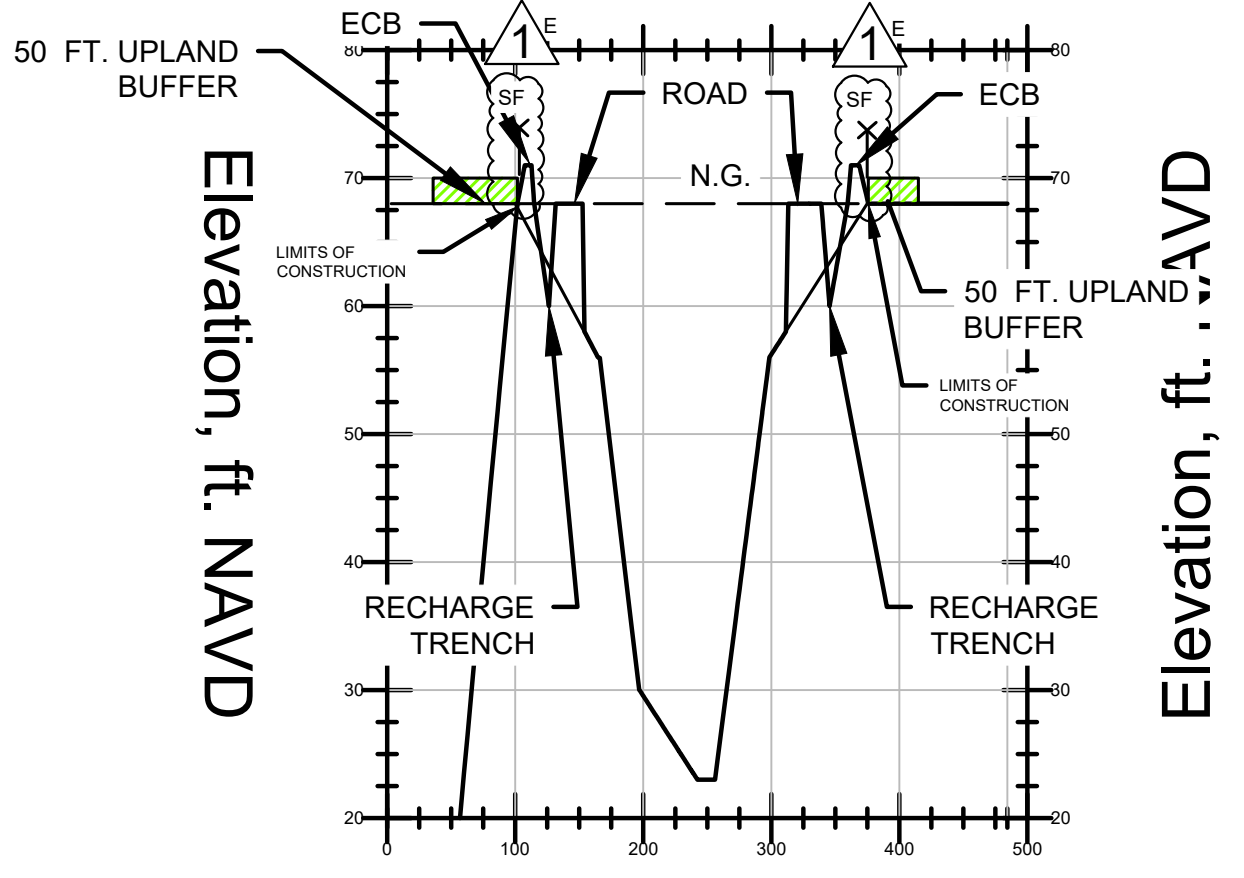


NOTE: POINTS A SHOULD BE HIGHER THAN POINT B

SILT FENCE DETAIL N.T.S.

SILT FENCE

SECTION H - H



SECTION I - I

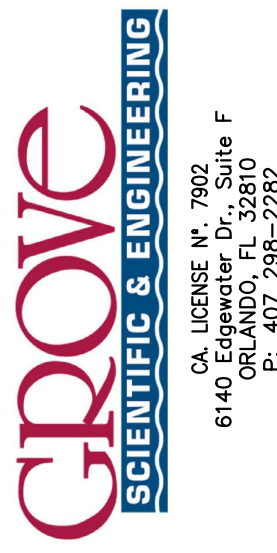
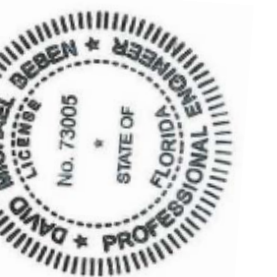
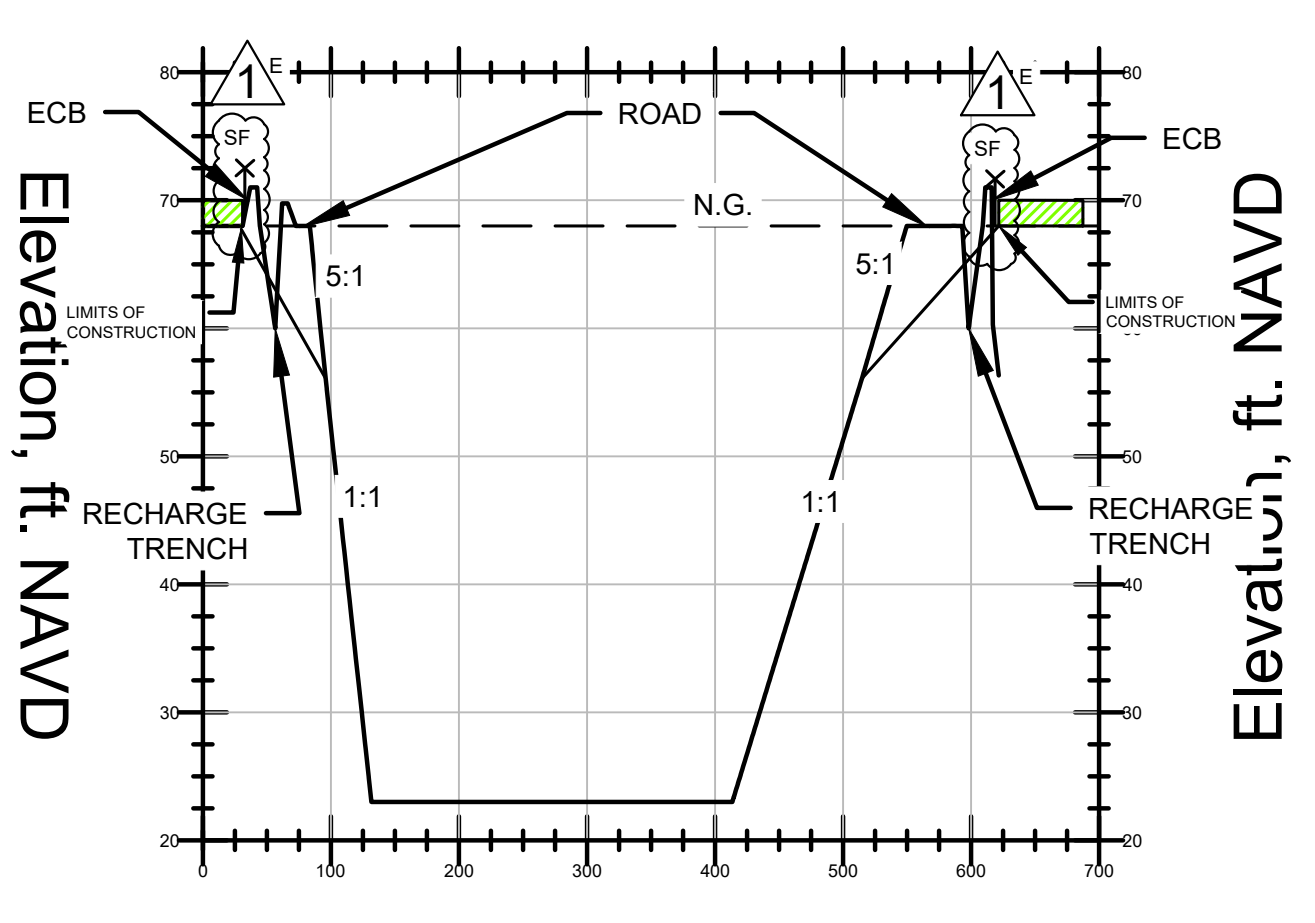


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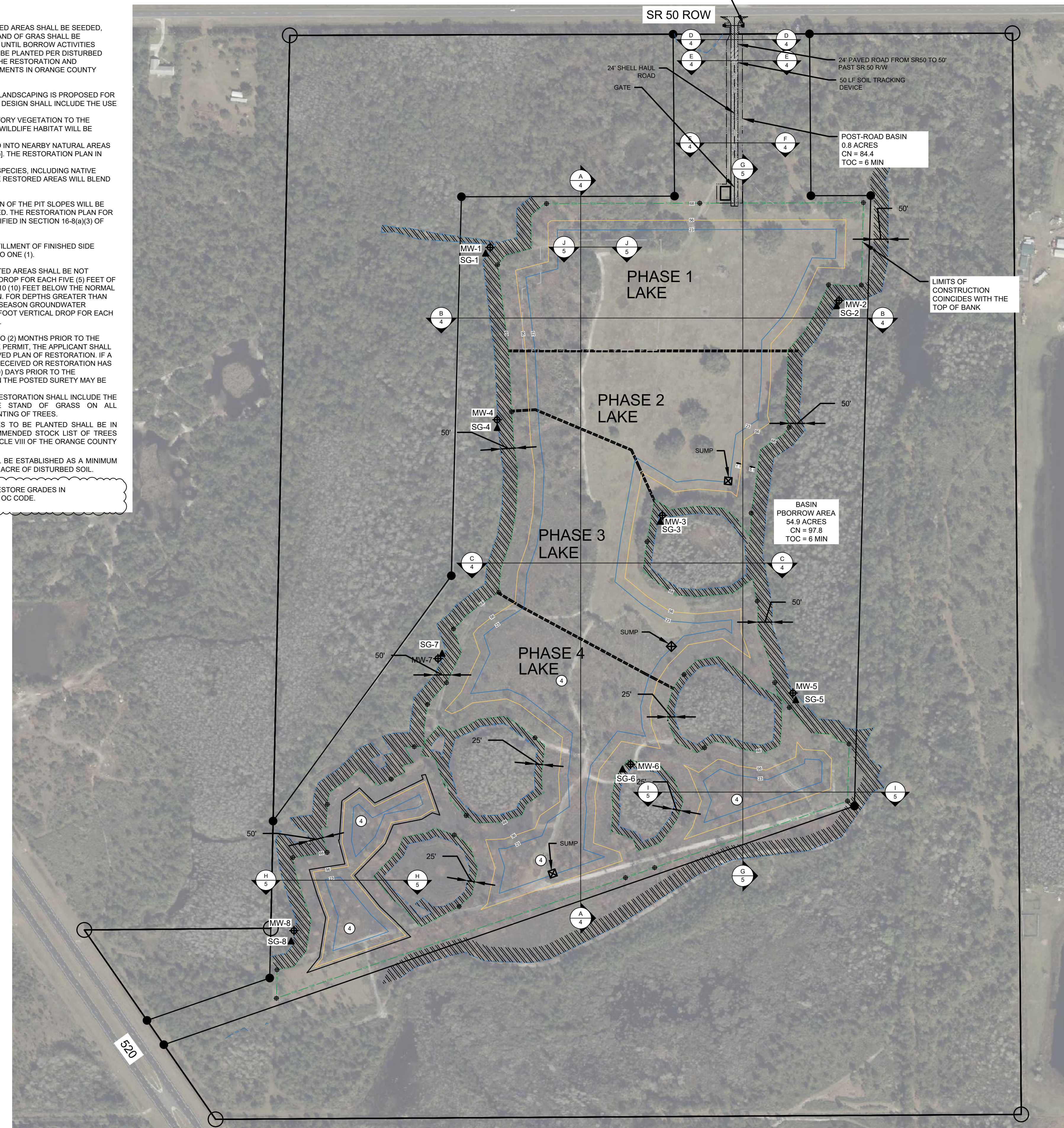
CROSS-SECTIONS AND DETAILS 2 OF 2
PROJECT NO. 291700
SHEET 5

CPG - EAST COLONIAL DRIVE
20978 E. COLONIAL DRIVE
CHRISTMAS, FL 32709

C:\Users\David\Grove_Scientific\Dropbox\David Beben\Z CLIENT FILES\200000-Civil\CPG Fl-Ft-291700\CAD\2024-OC Permit Mod to Import Soil\Sheets 4 and 5 (Section Details) (mg).SHEET SIZE: ARCH FILL BLEED D (24.00 X 36.00 INCHES). PEN STYLE: 24036 (Primary-MOD).CTB. LAYOUT NAME: DETAILS 2 OF 2. LAST SAVE BY: DAVID BEBEN 8/27/2024 5:36:59 PM

RECLAMATION NOTES:

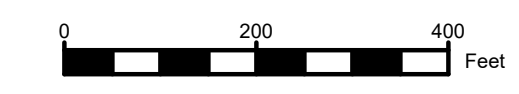
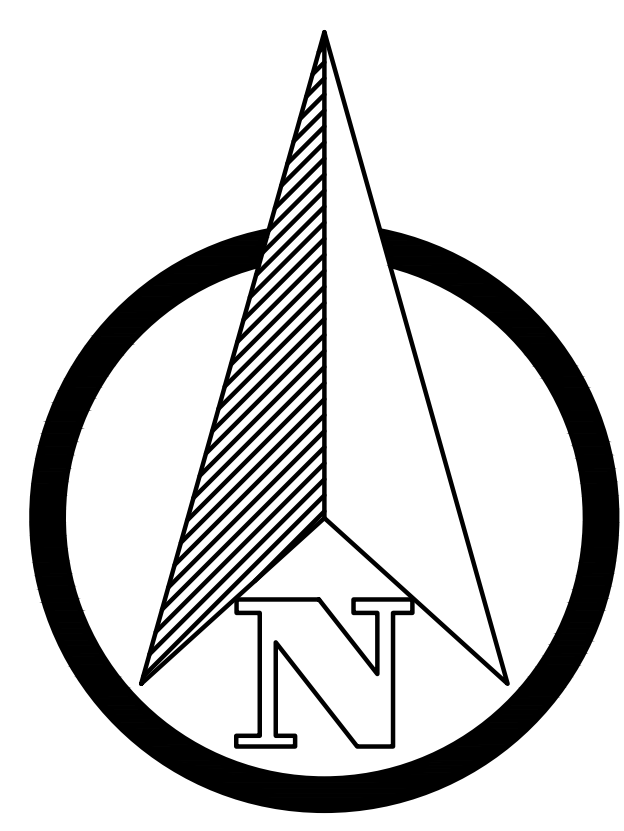
1. PLAN OF RECLAMATION: ALL DISTURBED AREAS SHALL BE SEEDED, MULCHED, AND FERTILIZED. A DENSE STAND OF GRASS SHALL BE ESTABLISHED. THIS WILL MAINTAIN AREA UNTIL BORROW ACTIVITIES COMMENCE. A MINIMUM OF 25 TREES TO BE PLANTED PER DISTURBED ACRE OF DISTURBED SOIL AS PART OF THE RESTORATION AND REVEGETATION PLAN, PER THE REQUIREMENTS IN ORANGE COUNTY CODE CHAPTER 16-8(3).
2. WITHIN THE ECON PROTECTION AREA LANDSCAPING IS PROPOSED FOR RECLAMATION OF THE BORROW PIT. THE DESIGN SHALL INCLUDE THE USE OF NATIVE PLANT SPECIES AND MINIMIZE REMOVAL OF UNDERSTORY VEGETATION TO THE GREATEST EXTENT PRACTICAL SO THAT WILDLIFE HABITAT WILL BE PRESERVED AND MAINTAINED AND THE LANDSCAPED AREAS WILL BLEND INTO NEARBY NATURAL AREAS [CHAPTER 15, ARTICLE XI, SECTION 442(b)]. THE RESTORATION PLAN IN THE ECON PROTECTION AREA SHALL INCLUDE THE USE OF NATIVE SPECIES, INCLUDING NATIVE GRASS AND TREE SPECIES SO THAT THE RESTORED AREAS WILL BLEND INTO NEARBY NATURAL AREAS.
3. THE FINAL COMPLETION / RECLAMATION OF THE PIT SLOPES WILL BE PERFORMED ONCE THE PIT IS COMPLETED. THE RESTORATION PLAN FOR EACH PIT WILL MEET THE CRITERIA SPECIFIED IN SECTION 16-8(3) OF THE ORANGE COUNTY CODE.
4. RESTORATION SHALL MEAN THE FULLFILLMENT OF FINISHED SIDE SLOPES OF NO GREATER THAN FIVE (5) TO ONE (1).
5. ALL FINISHED SIDE SLOPES OF EXCAVATED AREAS SHALL BE NOT GREATER THAN ONE (1) FOOT VERTICAL DROP FOR EACH FIVE (5) FEET OF HORIZONTAL DISTANCE, TO A DEPTH OF 10 (10) FEET BELOW THE NORMAL DRY SEASON GROUNDWATER ELEVATION, FOR DEPTHS GREATER THAN TEN (10) FEET BELOW THE NORMAL DRY SEASON GROUNDWATER ELEVATION, THE SLOPE WILL BE ONE (1) FOOT VERTICAL DROP FOR EACH ONE (1) FOOT OF HORIZONTAL DISTANCE.
6. AS EACH PHASE IS COMPLETED OR TWO (2) MONTHS PRIOR TO THE EXPIRATION DATE AS STIPULATED IN THE PERMIT, THE APPLICANT SHALL BE REQUIRED TO INSTITUTE THE APPROVED PLAN OF RESTORATION. IF A RENEWAL APPLICATION HAS NOT BEEN RECEIVED OR RESTORATION HAS NOT BEEN INITIATED BY A DATE SIXTY (60) DAYS PRIOR TO THE EXPIRATION OF THE PERMIT, DEMAND ON THE POSTED SURETY MAY BE INITIATED.
 - A. AS A MINIMUM, THE PLAN OF RESTORATION SHALL INCLUDE THE ESTABLISHMENT OF A DENSE STAND OF GRASS ON ALL DISTURBED AREAS AND THE PLANTING OF TREES.
 - B. THE SIZE AND TYPE OF TREES TO BE PLANTED SHALL BE IN ACCORDANCE WITH THE RECOMMENDED STOCK LIST OF TREES CONTAINED IN CHAPTER 15, ARTICLE VIII OF THE ORANGE COUNTY CODE.
 - C. THE NUMBER OF TREES SHALL BE ESTABLISHED AS A MINIMUM OF TWENTY-FIVE (25) TREES PER ACRE OF DISTURBED SOIL.
7. REMOVE ALL SOIL STOCKPILES AND RESTORE GRADES IN ACCORDANCE WITH CHAPTER 16 OF THE OC CODE.



AERIAL - 2023 MICROSOFT BING

LEGEND

- PROPERTY BOUNDARY
- PROJECT BOUNDARY
- WETLAND BOUNDARY, BIOTECH 2022
- TOP OF BANK OF EXCAVATION
- 58 PROPOSED PIT TOPOGRAPHY, FT. NAVD
- SECTION DESIGNATION
- SHEET LOCATION
- PHASE LINE (INTERCELL BERMS TO BE REMOVED DURING RESTORATION)
- B-1 SPT BORING
- MW-1 MONITORING WELL
- SG-1 STAFF GAUGE
- UPLAND BUFFER (VARIES)



This form has been electronically signed and sealed by David Beben, P.E. No. 73005, State of Florida. The information on this form is true and correct to the best of my knowledge and belief. I am a duly licensed Professional Engineer in the State of Florida. My license expires on 03/31/2026.

GROVE SCIENTIFIC & ENGINEERING
 CA LICENSE NO. 7902
 6140 Edgewater Dr., Suite F
 Ft. Lauderdale, FL 33309
 P: 407-298-2282

DAVID BEBEN, P.E.
 P.E. No. 73005, FL
 Grove Scientific & Engineering
 FBP No. 7802

| DATE | BY | DATE | FILE |
|---------|----|---------|------|
| 03/2022 | JG | 03/2022 | THM |
| 03/2022 | DB | 03/2022 | DB |

RESTORATION PLAN
 CPG - EAST COLONIAL DRIVE
 20978 E. COLONIAL DRIVE
 CHRISTMAS, FL 32709

PROJECT NO.
291700
 SHEET
6

C:\Users\David\Grove Scientific\Dropbox\David Beben\CLIENT FILES\2024\OC Permit Mod to Import Soil\Sheet 6 (Restoration Plan).dwg, SHEET SIZE: 24x36 CTB, LAYOUT NAME: 24x36, LAST SAVE BY: TRAVI 2/22/2024 3:25:02 PM