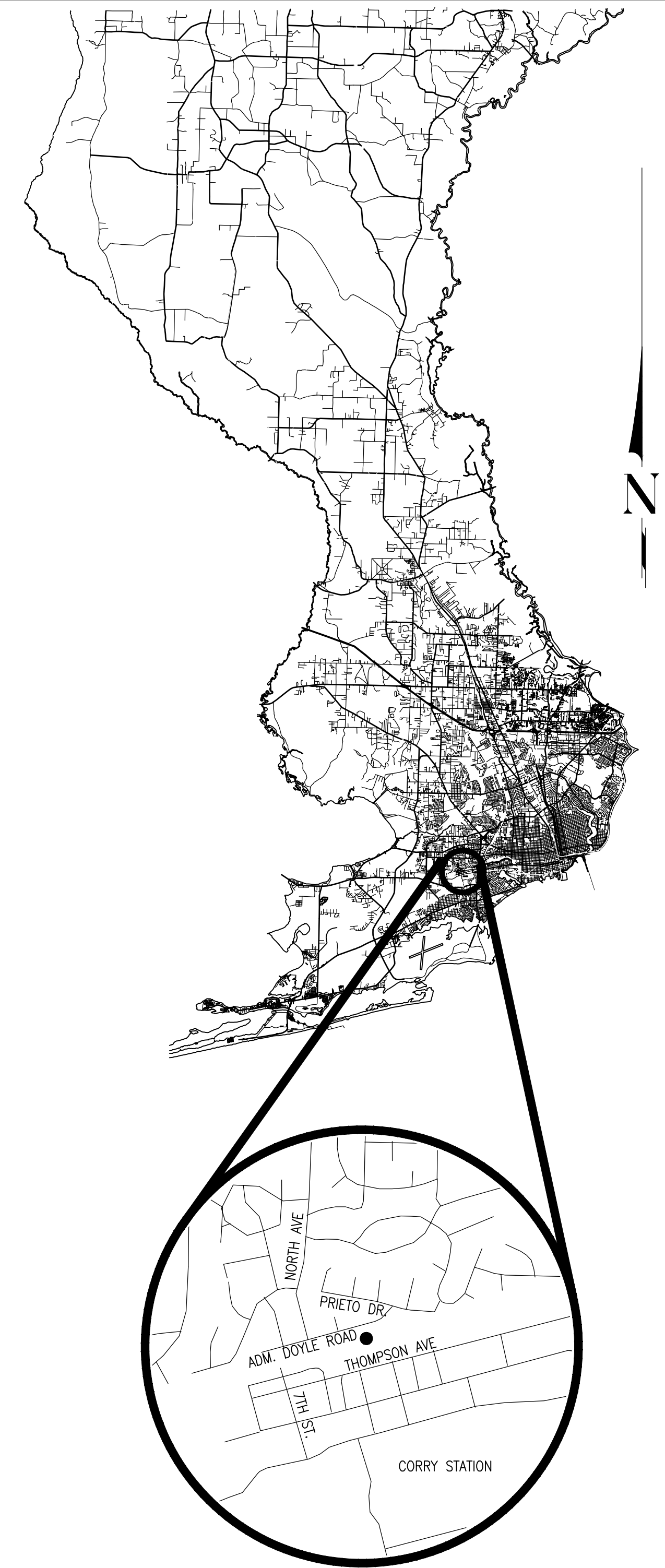


BOARD OF COUNTY COMMISSIONERS
 ESCAMBIA COUNTY, FLORIDA
 ENGINEERING DEPARTMENT
 CONSTRUCTION MANAGEMENT DIVISION



INDEX OF PLANS

SHEET NO. & DESCRIPTION

1. COVER SHEET
2. PROJECT NOTES
3. SURVEY SHEET
4. EXISTING SITE CONDITIONS AND DEMOLITION PLAN
5. SITE DEVELOPMENT PLAN
6. STORMWATER POLLUTION PREVENTION DETAILS

PLANS PROPOSED FOR
TWIN OAKS
 SITE REPAIR AND
 RESTORATION

FOR CONSTRUCTION
 JANUARY 2022
 100% SUBMITTAL

COMMISSIONERS

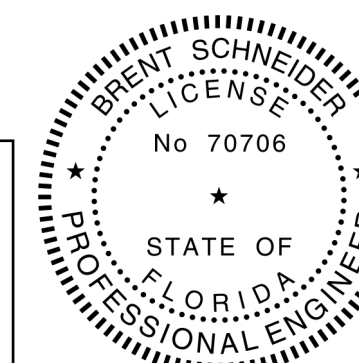
- | | |
|----------------|-----------------------------|
| DISTRICT ONE | JEFF BERGOSH, VICE CHAIRMAN |
| DISTRICT TWO | DOUG UNDERHILL |
| DISTRICT THREE | LUMON MAY |
| DISTRICT FOUR | ROBERT BENDER, CHAIRMAN |
| DISTRICT FIVE | STEVEN BARRY |

VICINITY MAP
 LENGTH OF PROJECT = 700 LF
 0.133 MI

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE LATEST ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.

This item has been electronically signed and sealed by Brent Schneider, PE, on 01/07/2022 using a SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.



PROJECT MANAGER: MARK SOLTERO	
SECTION / TOWNSHIP / RANGE: 53/2S/30W	DISTRICT: 2
PROJECT ENGINEER: BRENT SCHNEIDER	REG FLA ENG NO: 70706
SIGNATURE: <i>Brent Schneider</i>	1/2022

I:_CADD (Projects)\Twin Oaks\Construction\Site Repair and Restoration (FL8142)\Dwgs\FL8142C01.dwg, Jan 07, 2022 - 4:36:59PM, BSchneider

GENERAL NOTES:

- THE CONTRACTORS SHALL NOTIFY THE COUNTY DESIGN ENGINEER OR DESIGNEE 48 HOURS PRIOR TO CONSTRUCTION.
- ALL CONDITIONS AND STIPULATIONS OF THE CONSTRUCTION PERMITS AND THE APPROVALS ISSUED BY THE ESCAMBIA COUNTY ENGINEER SHALL BE COMPLIED WITH IN EVERY DETAIL.
- ALL ROADS DAMAGED BY CONSTRUCTION OPERATIONS ARE TO BE REPAIRED OR RECONSTRUCTED AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
- THE CONTRACTOR SHALL TAKE STEPS NECESSARY TO PREVENT EROSION AND ANY OFF SITE SEDIMENT TRANSPORT RESULTING FROM INCREASED RUNOFF DURING CONSTRUCTION BY PROVIDING SILT FENCE AND/OR STAKED HAY BALES AS REQUIRED BY FDOT INDEX 102, THE FLORIDA STORMWATER, EROSION, AND SEDIMENT CONTROL INSPECTOR'S MANUAL, 2018 EDITION, OR AS INDICATED ON THE PLANS. ALL EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ASSOCIATED DISTURBED AREAS ARE STABILIZED AS TO REDUCE SEDIMENT RUNOFF, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR DESIGNEE.
- ANY NECESSARY PERMITS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ESCAMBIA COUNTY OR ITS DESIGNEE WILL ASSIST CONTRACTOR WITH REQUIRED PERMITS.
- THE CONTRACTOR IS CAUTIONED TO VISIT THE SITE AND FAMILIARIZE HIMSELF WITH THE PROJECT PRIOR TO BIDDING AND/OR CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PRESERVE OR RELOCATE ALL BENCHMARKS (VERTICAL CONTROL) AS NEEDED DURING CONSTRUCTION. ALL PUBLIC OR PRIVATE CORNER MONUMENTATION SHALL BE PROTECTED. IF A PUBLIC OR PRIVATE CORNER MONUMENTATION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR DESIGNEE IMMEDIATELY. ANY ESCAMBIA COUNTY HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED. IF A HARN/GPS NETWORK MONUMENTS OR BUREAU OF SURVEY AND MAPPING GPS NETWORK MONUMENTS ARE DISTURBED OR DESTROYED THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF THE MONUMENTS AND HAVE THE MONUMENTS POSITION DETERMINED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER USING GUIDELINES AS ESTABLISHED BY NATIONAL GEODETIC SURVEY FOR BLUE BOOKING AND APPROVAL.
- EXISTING DRAINAGE FEATURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MATCH EXISTING CONDITIONS AT THE BEGINNING AND END OF CONSTRUCTION AS DIRECTED BY THE COUNTY ENGINEER OR DESIGNEE.
- ALL ROADWAY CONSTRUCTION SHALL COMPLY WITH THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
- ALL MATERIALS, TESTING AND CONSTRUCTION METHODS SHALL CONFORM TO THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS, LATEST EDITION.
- ANY REFERENCE TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, DIVISION 1, GENERAL REQUIREMENTS AND COVENANTS, SHALL BE EXCLUDED AND NOT APPLICABLE TO ANY SPECIFICATION REFERRED HEREIN OR OTHERWISE LISTED IN THESE PLANS OR RELATED DOCUMENTS OR THE ESCAMBIA COUNTY TECHNICAL SPECIFICATIONS.
- CONTRACTOR SHALL COMPLY WITH ALL F.D.E.P. AND ARMY CORP. OF ENGINEERS REQUIREMENTS.
- ONLY ACCESS TO THE ROAD R/W AS SHOWN IS GUARANTEED BY THE COUNTY. PRIVATE R/W REQUIRED BY THE CONTRACTOR TO FACILITATE CONSTRUCTION SHALL BE ACQUIRED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION OR ASSISTANCE FROM THE COUNTY.
- IN THE EVENT THAT SURVEY MONUMENTATION OR REFERENCE POINTS ARE MISSING OR HAVE BEEN DESTROYED, PLEASE CONTACT:

 ESCAMBIA COUNTY SURVEYOR
 3363 WEST PARK PLACE
 PENSACOLA, FLORIDA 32505 PH (850) 595-3427
- VEGETATION ON R/W AND EASEMENTS SHALL BE RESTORED TO ORIGINAL CONDITION UNLESS OTHERWISE NOTED ON THE PLAN SHEETS. COST OF SAID RESTORATION SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS.
- GRADED AGGREGATE BASE SHALL BE REQUIRED WHERE THE SEASONAL HIGH GROUND WATER ENCROACHES WITHIN TWO (2) FEET OF THE BOTTOM OF BASE.
- ALL TREES WITHIN LIMITS OF CONSTRUCTION SHALL BE REMOVED UNLESS OTHERWISE NOTED IN PLANS.
- ALL COMPACTED FILL SHALL BE PLACED IN 4" LIFTS FOR HAND POWERED TAMPERS AND 8" LIFTS FOR HEAVY EQUIPMENT OPERATED TAMPERS.
- MAINTENANCE OF TRAFFIC AS PER FDOT INDEX 600.
- THE CONTRACTOR SHALL, AT A MINIMUM, MATCH EXISTING SIGNING AND PAVEMENT MARKINGS. ALL SIGNING AND PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH THE LATEST FDOT DESIGN STANDARDS. THE CONTRACTOR SHALL CONTACT THE COUNTY TRAFFIC DEPARTMENT PRIOR TO INSTALLATION OF ANY SIGNING AND PAVEMENT MARKINGS.
- WHERE UNSUITABLE MATERIAL, AS DEFINED BY THE COUNTY SPECIFICATIONS SECTION 02300, 1.3(i), IS ENCOUNTERED IN THE AREAS PROPOSED FOR PAVING, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE COUNTY ENGINEER OR DESIGNEE PRIOR TO ANY EXCAVATION.
- IF ARCHAEOLOGICAL MATERIAL/PREHISTORIC ARTIFACTS SUCH AS POTTERY OR CERAMICS, STONE TOOLS OR METAL IMPLEMENTS, OR ANY OTHER PHYSICAL REMAINS THAT COULD BE ASSOCIATED WITH NATIVE AMERICAN CULTURES, OR EARLY COLONIAL OR AMERICAN SETTLEMENT ARE ENCOUNTERED AT ANY TIME, THE PROJECT SHOULD CEASE ALL ACTIVITIES INVOLVING SUBSURFACE DISTURBANCE IN THE IMMEDIATE VICINITY OF SUCH DISCOVERIES. THE APPLICANT/RECIPIENT, OR OTHER DESIGNEE, SHOULD CONTACT THE FLORIDA DEPARTMENT OF STATE, DIVISION OF HISTORICAL RESOURCES, THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AND THE DSH/FEMA REGION IV ENVIRONMENTAL OFFICER AND FDEM STATE ENVIRONMENTAL LIAISON OFFICER FOR FURTHER GUIDANCE. PROJECT ACTIVITIES SHOULD NOT RESUME WITHOUT VERBAL AND/OR WRITTEN AUTHORIZATION FROM THE DIVISION OF HISTORICAL RESOURCES.
- IN THE EVENT THAT UNMARKED HUMAN REMAINS ARE ENCOUNTERED DURING PERMITTED ACTIVITIES, ALL WORK MUST STOP IMMEDIATELY AND THE PROPER AUTHORITIES NOTIFIED IN ACCORDANCE WITH F.S. 872.05.

UTILITY NOTES:

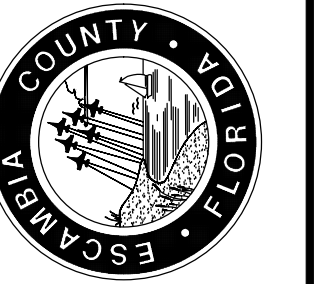
- THE LOCATION SHOWN FOR EXISTING UNDERGROUND UTILITIES IS APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK IN EACH AREA. THE CONTRACTOR AGREES TO BE COMPLETELY RESPONSIBLE FOR ALL DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.
- UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION SO THAT THE UTILITY OWNER CAN SPOT VERIFY AND/OR EXPOSE THEIR UTILITIES. KNOWN UTILITIES OWNERS INCLUDE:

SEWER/WATER - EMERALD COAST UTILITY AUTHORITY MR. BRANDON KNIGHT P.O. BOX 15311 PENSACOLA, FL. 32514 PH: (850) 969-6650	ELECTRIC - GULF POWER MR. CHAD SWAILS 5120 DOGWOOD DRIVE MILTON, FL. 32570 PH: (850) 244-4747
NATURAL GAS - ENERGY SERVICES OF PENSACOLA MS. DIANE MOORE 1625 ATWOOD DRIVE PENSACOLA, FL. 32514 PH: (850) 474-5319	CABLE - COX CABLE MR. TROY YOUNG 2421 EXECUTIVE PLAZA PENSACOLA, FL. 32504 PH: (850) 232-5044
TELEPHONE - AT&T FLORIDA MR. MICHAEL FILLINGIM 2221 INDUSTRIAL DRIVE PANAMA CITY, FL. 32405 PH: (850) 623-3654	SUNSHINE STATE ONE-CALL 7200 LAKE ELLENOR DRIVE, SUITE 200 ORLANDO, FL. 32809 PH: (800) 432-4770
TRAFFIC DEPARTMENT - ESCAMBIA COUNTY PUBLIC WORKS MRS. JOHNNY PETTIGREW 3363 WEST PARK PLACE PENSACOLA, FL. 32505 PH:(850) 595-3404	
- AT&T FLORIDA WILL COMPLETE ALL WORK DURING THE HOURS OF 7:30 AM - 4:30 PM, MONDAY THRU FRIDAY. NO NIGHT OR WEEKEND WORK.
- ALL CABLE DAMAGE MUST BE REPORTED TO THE ATT FLORIDA REPAIR SERVICE DEPARTMENT AT 611 FROM A LAND LINE OR 877-737-2478 IF USING A CELL PHONE.
- CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.
- UTILITIES TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. NECESSARY REPAIRS SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS AND SHALL BE TO THE SATISFACTION OF UTILITY OWNERS.

SUMMARY OF QUANTITIES				
SECTION	CATEGORY	DESCRIPTION	QUANTITY	UNITS
02100	00101	MOBILIZATION, 0-15 MILES	1	EA
03100	00102	CLEARING AND GRUBBING (INCLUDING TREES UNDER 12" DIA)	2140	SY
03100	00106	REMOVE TREES, 25"-48"	2	EA
03100	00107	REMOVE TREE, OVER 48"	1	EA
04100	00101	EARTHWORK EXCAVATION BY MACHINE	40	CY
04100	00104	EARTHWORK BORROW (FILL)	110	CY
04100	00106	EARTHWORK ESTABLISHING GRADE	396	SY
04100	00107	RE-ESTABLISH GRADE ON DITCH	312	SY
04100	00119	DEWATERING PUMP	4	WEEK
05400	00103	GEOTEXTILE MAT	180	SY
06200	00103	6" GRADED AGGREGATE BASE "MIN LBR 100 AT 100% MODIFIED PROCTOR," LESS THAN 1000 SY	157	SY
08400	00101	COUNTY TYPE FIBER REINFORCED CONCRETE DITCH PAVING W/O WEEP HOLES, MIN 3.5"* THICK	312	SY
08500	00101	SAWCUT EXISTING CONCRETE UP TO 6" THICK	22	LF
08500	00103	REMOVE EXISTING CONCRETE, UP TO 6" THICK	288	SY
09100	00911	EXPANSION JOINT AND FILLER	25	LF
13100	00107	ARGENTINE BAHIA SOD, STAKED	1200	SY
13300	00102	SILT FENCE TYPE III	700	LF
13300	00109	ESTABLISH, QUANTIFY, AND SUBMIT AN APPROVED EROSION CONTROL PLAN PREPARED BY A CERTIFIED TECHNICIAN	1	LS
13300	00110	CONSTRUCT STABILIZED GRAVEL CONSTRUCTION ENTRANCE	222	SY
14100	00104	6" CHAIN LINK FENCE	105	LF
14400	00103	REMOVE EXISTING CHAIN LINK FENCE	105	LF
07900	00100	MOT BASED ON SECTION 07900-00100	1	LS
01100	00100	PERFORMANCE AND PAYMENT BOND (REQUIRED FOR PROJECTS OVER \$25,000.00)	1	LS

*= THE ACTUAL THICKNESS OF THE DITCH PAVEMENT SHALL BE 4". THE CONTRACTOR SHALL USE "BALANCE OF LINE" IN THE PRICING AGREEMENT TO ACCOUNT FOR THE ADDITIONAL 0.5" OF CONCRETE.

**TWIN OAKS
SITE REPAIR AND
RESTORATION
PROJECT NOTES**



GEOSYNTEC CONSULTANTS

12802 TAMPA OAKS BLVD., SUITE 151, TEMPLET TERRACE, FLORIDA 33637

DRAWN BY: C. VICKERS	DESIGNED BY: B. SCHNEIDER	CHECKED BY: M. LYNCH	DATE: 1/7/2021	REG. P.E. NO. 70706	DATE: 7/7/2021
PROJECT MANAGER: B. SCHNEIDER		DISTRICT: 2		SECTION/TOWNSHIP/RANGE: 53.25.30W	

DRAWING NUMBER: **FL8142C02**
PROJECT NUMBER: **FL8142**

SHEET **2** OF **6**

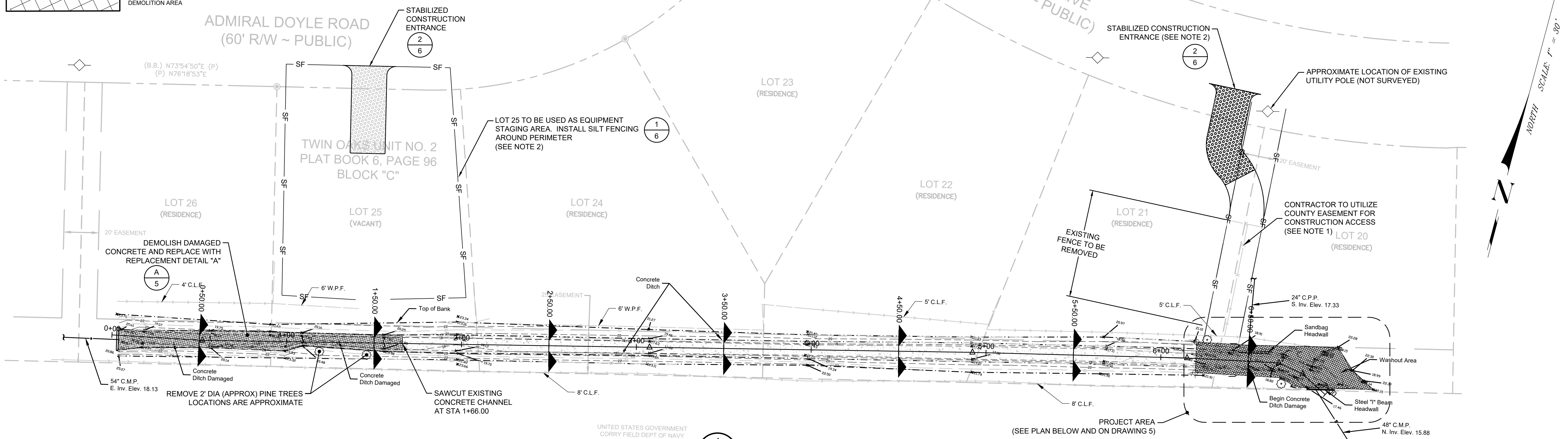
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LEGEND

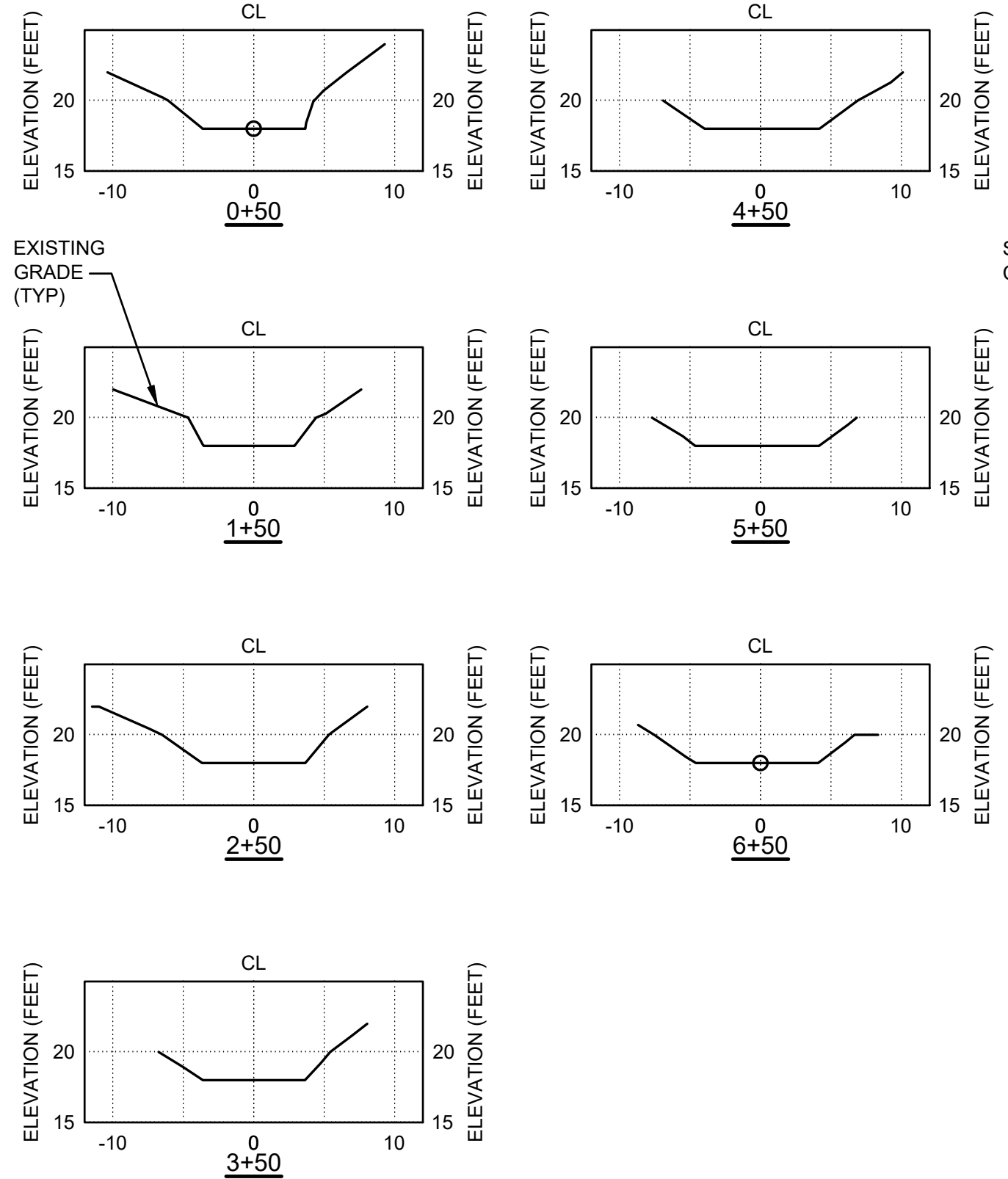
- PROPERTY LINE
- - - EASEMENT LINE
- - - CONTOUR LINE
- - - UNDERGROUND STORM WATER LINE
- SF SILT FENCE
- CONCRETE
- X 84.7 SPOT ELEVATION
- DEMOLITION AREA

NOTES:

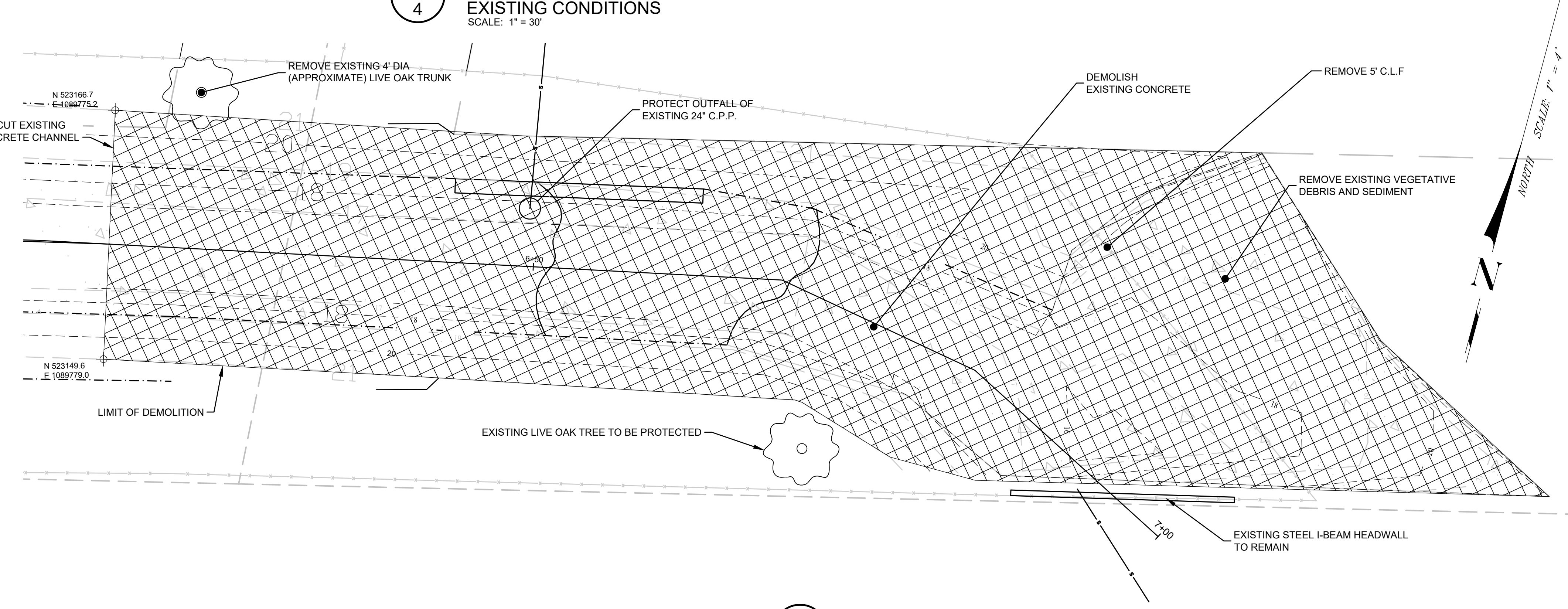
1. CONTRACTOR TO COORDINATE THE REMOVAL AND/OR TEMPORARY RELOCATION OF FEATURES LOCATED WITHIN THE EASEMENT INCLUDING BUT NOT LIMITED TO LANDSCAPING, UTILITY POLES, BACKYARD FENCING AND STORAGE SHEDS.
2. COUNTY SHALL SECURE A TEMPORARY CONSTRUCTION EASEMENT PRIOR TO CONTRACTOR ACCESSING PRIVATE PROPERTY.



1 PLAN
4 EXISTING CONDITIONS
SCALE: 1" = 30'

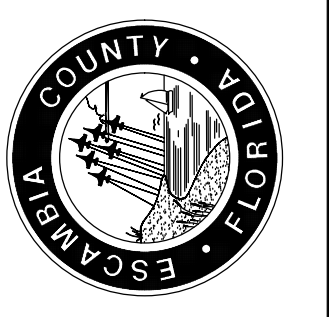


A SECTIONS
4
SCALE: 1" = 10'



2 PLAN
4 PROPOSED DEMOLITION
SCALE: 1" = 5'

TWIN OAKS
SITE REPAIR AND
RESTORATION
EXISTING SITE CONDITIONS AND DEMOLITION PLAN



GEOSYNTEC CONSULTANTS	
12802 TAMPA OAKS BLVD., SUITE 151, TEMPLET TERRACE, FLORIDA 33637	REG. P.L.A. NO. 70706
DESIGNED BY: B. SCHNEIDER	CHECKED BY: M. LYNCH
DRAWN BY: C. VICKERS	PROJECT MANAGER: B. SCHNEIDER
DATE: 1/7/2021	DISTRICT: 2
SECTION: TOWNSHIP RANGE	SIGNATURE: S. J. 25 200V

REVISIONS	DATE	APPROVED BY

DRAWING NUMBER: **FL8142C04**
PROJECT NUMBER: **FL8142**

I:_CAD00 (Projects)\Twin Oaks Construction\Site Repair and Restoration (FL8142)\Dwg\FL8142C04.dwg, Jan 07, 2022 - 4:38:13PM, B.Schneider

STORMWATER POLLUTION PREVENTION PLAN GENERAL NOTES:

1. EROSION AND SEDIMENT CONTROL PRACTICES TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCE, OR IN THEIR PROPER SEQUENCE, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE FDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, SECTIONS 104, 570, 575 AND 980 TO 986.
3. SHOULD THE CONTROL OF DUST AT THE SITE BE NECESSARY, THE SITE WILL BE SPRINKLED UNTIL THE SURFACE IS WET. TEMPORARY VEGETATION COVER SHALL BE ESTABLISHED OR MULCH SHALL BE APPLIED IN ACCORDANCE WITH STATE STANDARDS FOR EROSION CONTROL.
4. SOIL WASHED, DROPPED, SPILLED OR TRACKED OUTSIDE THE LIMIT OF DISTURBANCE OR ONTO PUBLIC RIGHTS-OF-WAY WILL BE REMOVED IMMEDIATELY.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY EROSION OR SEDIMENTATION THAT MAY OCCUR ON OR OFF SITE AS A RESULT OF CONSTRUCTION OF THE PROJECT.
6. AREAS USED FOR THE CONTRACTOR'S STAGING, INCLUDING BUT NOT LIMITED TO, TEMPORARY STORAGE OF STOCKPILED MATERIALS OR DEBRIS, SHALL BE ENTIRELY PROTECTED BY A SILT FENCE ALONG THE LOW ELEVATION SIDE TO CONTROL SEDIMENT RUNOFF.

PROPOSED CONSTRUCTION

THIS PROJECT SHALL CONSIST OF THE CLEARING OF ACCUMULATED DEBRIS FROM THE STREAM CHANNEL AND THE PROTECTION OF EXISTING STRUCTURES. THE CONSTRUCTION SHOULD PROCEED IN THE FOLLOWING MANNER:

1. INSTALLATION OF ROCK CHECK DAMS AND ANY OTHER NEEDED SEDIMENT AND EROSION CONTROL DEVICES THAT CAN BE PLACED PRIOR TO ANY MAJOR SOIL DISTURBANCES.
2. CLEAR AND REMOVE EXISTING VEGETATION IN THOSE AREAS WHERE NECESSARY. REMAINING VEGETATION IS TO BE PROPERLY PROTECTED AND TO REMAIN IN ITS NATURAL STATE.
3. IMMEDIATE INSTALLATION OF REMAINING SEDIMENT AND EROSION CONTROL DEVICES.
4. INITIATE CONSTRUCTION.
5. UPON COMPLETION OF CONSTRUCTION ACTIVITIES, PROVIDE RESTORATION, FINE GRADE REMAINDER OF SITE.
6. REMOVAL OF APPROPRIATE TEMPORARY SEDIMENT AND EROSION CONTROL DEVICES.

EROSION AND SEDIMENTATION CONTROL NOTES

1. TEMPORARY CONSTRUCTION ENTRANCES SHALL BE 12'X50'.
2. SILT FENCE, WHERE NECESSARY, SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE ON THE CONTOUR, WITH ENDS OF ADJACENT FENCES TIGHTLY ABUTTING ONE ANOTHER PRIOR TO EARTHWORK OPERATIONS.
3. THE SILT FENCE BARRIER SHALL BE ENTRENCHED AND BACK FILLED. A TRENCH SHALL BE EXCAVATED THE LENGTH OF THE PROPOSED BARRIER TO A MINIMUM DEPTH OF 6 INCHES. THE EXCAVATED SOIL SHALL CONFORM TO THE GROUND LEVEL ON THE DOWNHILL SIDE AND SHALL BE BUILT UP TO 4 INCHES AGAINST THE UPHILL SIDE OF THE BARRIER.
4. SILT FENCE BARRIERS SHALL BE SECURELY ANCHORED.
5. SILT FENCE BARRIERS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS, BUT NOT BEFORE THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.
6. SILT FENCE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
7. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED SILT FENCE, END RUNS AND UNDERCUTTING BENEATH FENCE.
8. NECESSARY REPAIRS TO SILT FENCE BARRIERS OR REPLACEMENT OF FENCE SHALL BE ACCOMPLISHED PROMPTLY.
9. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE BARRIER.
10. SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEED.
11. INSTALL FLOATING TURBIDITY BARRIER PRIOR TO COMMENCEMENT OF STREAM CHANNEL CLEARING OPERATION.

NPDES NOTES:

1. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR CONTROL OF ALL EROSION AND SEDIMENTATION.
2. ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE SODDED WITH ARGENTINE BAHIA. SODDING SHALL BE WATERED, FERTILIZED UNTIL WELL ESTABLISHED BUT NO LESS THAN FOUR WEEKS FROM DATE OF PLACEMENT.
3. THE CONTRACTOR SHALL SUBMIT THE NPDES NOI TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR USE OF THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL ACT AS THE "OPERATOR" FOR THE PERMIT AND ABIDE BY ALL REQUIREMENTS THEREOF, INCLUDING DEVELOPMENT OF A STORMWATER POLLUTION PREVENTION PLAN FOR THE PROJECT AND PERFORMANCE OF REQUIRED INSPECTIONS BY A CERTIFIED INSPECTOR.
4. THE CONTRACTOR SHALL INSTALL PRIOR TO COMMENCEMENT OF CONSTRUCTION AND MAINTAIN THROUGHOUT CONSTRUCTION THOSE SEDIMENT AND EROSION CONTROL FEATURES DEPICTED IN THE CONTRACT DOCUMENTS AND AS REQUIRED FOR COMPLIANCE WITH THE NPDES GENERIC PERMIT.

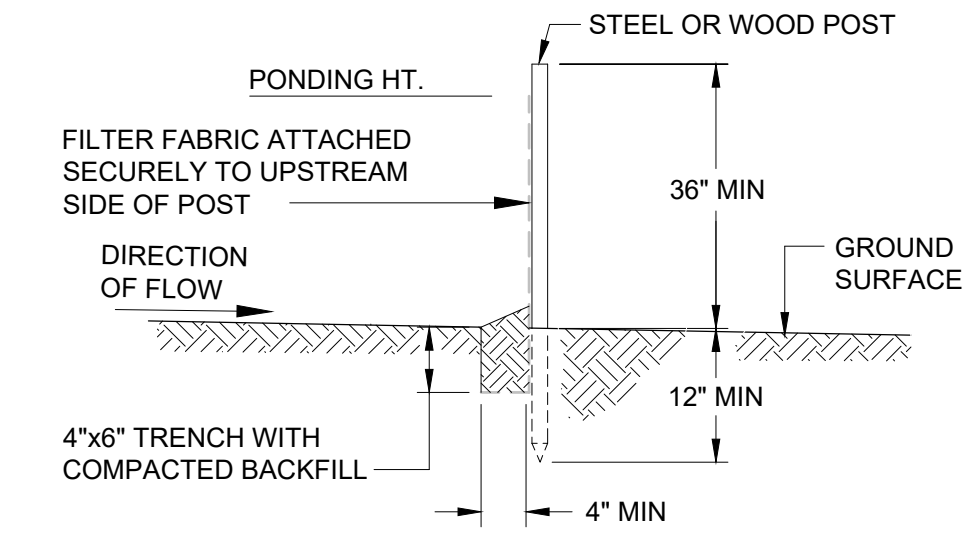
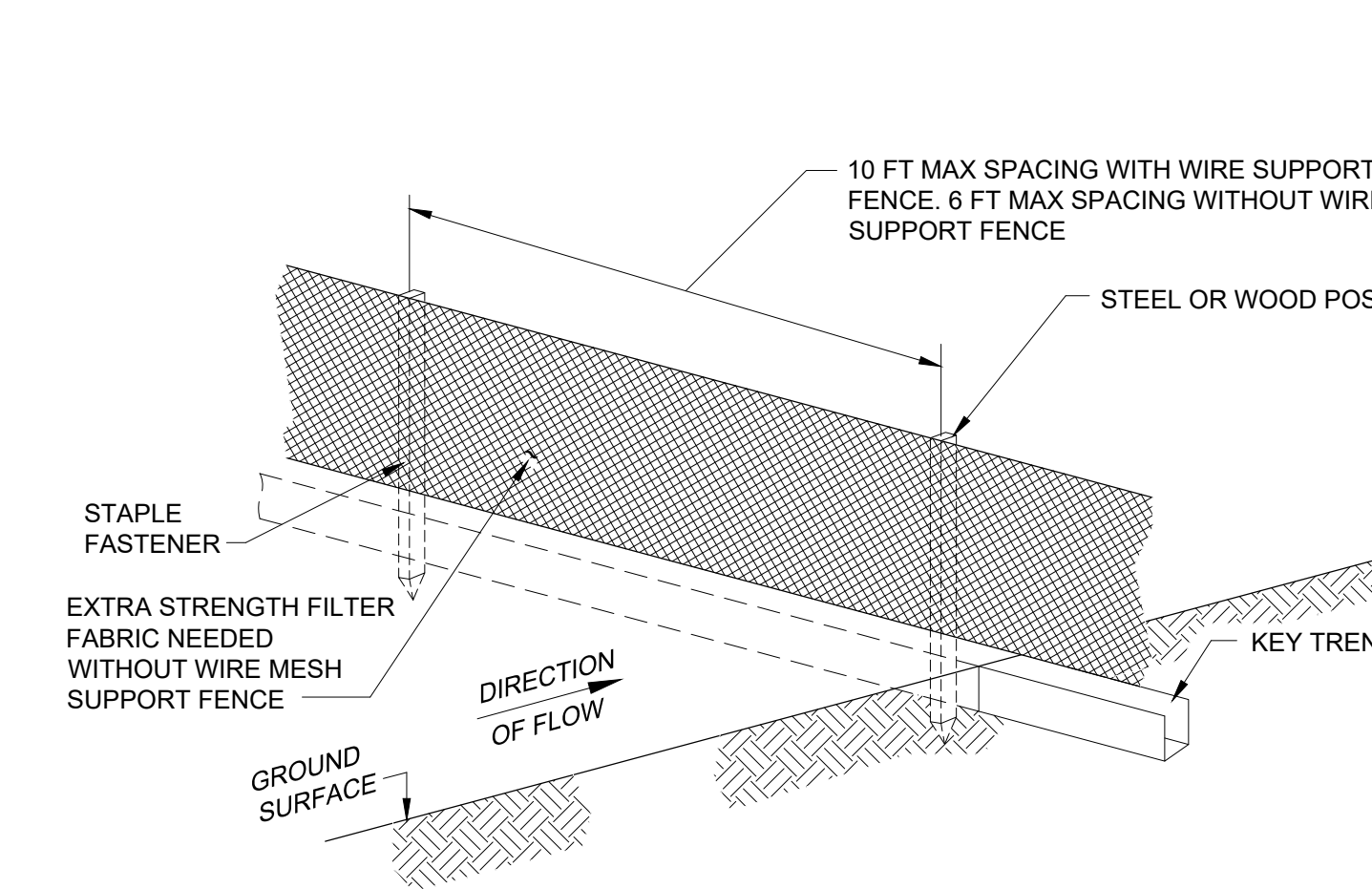
BEST MANAGEMENT PRACTICES

1. SILT FENCE: SILT FENCE ACTS AS A VERTICAL INTERCEPTOR OF SEDIMENT TRANSPORTED BY OVERLAND SHEET FLOW AS SHOWN ON THE CONSTRUCTION DRAWINGS. SILT FENCE PREVENTS SEDIMENT-LADEN RUNOFF FROM ENTERING INTO DOWNSTREAM CREEKS AND SURFACE WATER MANAGEMENT FEATURES BY PONDING RUNOFF AND SLOWLY DISSIPATING FILTERED RUNOFF. SILT FENCE SHALL NOT BE USED TO TREAT CONCENTRATED FLOWS (I.E., IN GULLIES, DITCHES, OR CHANNELS).
2. ROLLED EROSION CONTROL PRODUCTS (RECPs): ROLLED EROSION CONTROL PRODUCTS (RECPs) ARE DEGRADABLE MANUFACTURED MATERIALS USED TO STABILIZE EASILY ERODED AREAS WHILE VEGETATION BECOMES ESTABLISHED. TWO TYPES OF RECPs CAN BE USED IN DRAINAGE CHANNELS: EROSION CONTROL BLANKETS (ECBs) AND TURF REINFORCEMENT MATS (TRMS). TRMS AS BEING COMPOSED OF INTERWOVEN LAYERS OF NONDEGRADABLE GEOSYNTHETIC MATERIALS SUCH AS POLYPROPYLENE, NYLON, AND POLYVINYL CHLORIDE NETTING, STITCHED TOGETHER TO FORM A THREE-DIMENSIONAL MATRIX. TRMS ARE THICK AND POROUS ENOUGH TO ALLOW FOR PLANTING SEED AND FILLING WITH SOIL. IN THIS MANNER, CONDITIONS WILL EXIST TO ALLOW FOR DEVELOPMENT OF A ROOT STRUCTURE WITHIN THE MATRIX.
3. INLET PROTECTION: INLET PROTECTION PREVENTS SEDIMENT FROM ENTERING STORMWATER CONVEYANCE SYSTEMS BEFORE DISTURBED AREAS ARE PERMANENTLY STABILIZED.
4. TEMPORARY SLOPE DRAINS: TEMPORARY SLOPE DRAINS SHALL BE USED ON CUT OR FILL SLOPES BEFORE PERMANENT STORMWATER DRAINAGE STRUCTURES ARE INSTALLED. THESE FEATURES TEMPORARILY CONVEY CONCENTRATED STORMWATER RUNOFF SAFELY DOWN THE FACE OF A CUT OR FILL SLOPE WITHOUT CAUSING EROSION PROBLEMS ON OR BELOW THE SLOPE.
5. STABILIZATION: TEMPORARY VEGETATION SHALL BE UTILIZED IN AREAS THAT WILL NOT BE BROUGHT TO FINAL GRADE WITHIN 7 DAYS OR ARE LIKELY TO BE REDISTURBED IN AREAS INCLUDING BUT NOT LIMITED TO SOIL STORAGE AREAS AND STOCKPILES, CUT AND FILL SLOPES, AND CONVEYANCE FEATURES. PERMANENT VEGETATION (FINAL STABILIZATION MEASURES) SHALL BE IMPLEMENTED ONCE ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED. A UNIFORM, EVENLY DISTRIBUTED PERENNIAL VEGETATIVE COVER WITH A DENSITY OF AT LEAST 70% FOR ALL UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES.
6. PHASED CONSTRUCTION: CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN A PHASED APPROACH AS TO LIMIT THE AMOUNT OF DISTURBED AREA AT ANY ONE TIME. CURRENT PHASE ACTIVITIES SHALL BE COMPLETED AND AREAS STABILIZED PRIOR TO MOVING ON TO THE SUBSEQUENT PHASE.

7. WASTE DISPOSAL - WASTE COLLECTION AREAS SHALL BE LOCATED AWAY FROM STREETS, GUTTERS, WATERCOURSES, AND STORM DRAINS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE HAULED TO AN APPROVED LANDFILL. NO CONSTRUCTION WASTE MATERIAL WILL BE BURIED ON-SITE OR DISCHARGED TO WATERS OF THE STATE. ALL PERSONNEL WILL RECEIVE INSTRUCTION REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. EMPLOYEE WASTE AND OTHER LOOSE MATERIALS WILL BE COLLECTED SO AS TO PREVENT THE RELEASE OF "FLOATABLES" DURING RUNOFF EVENTS.
8. SANITARY WASTE - ALL WORKERS, THROUGHOUT THE LIFE OF THE PROJECT WILL BE PROVIDED PORTABLE SANITARY UNITS, FOR USE. A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR WILL REGULARLY COLLECT ALL SANITARY WASTE FROM THE PORTABLE UNITS.

NPDES NOTES:

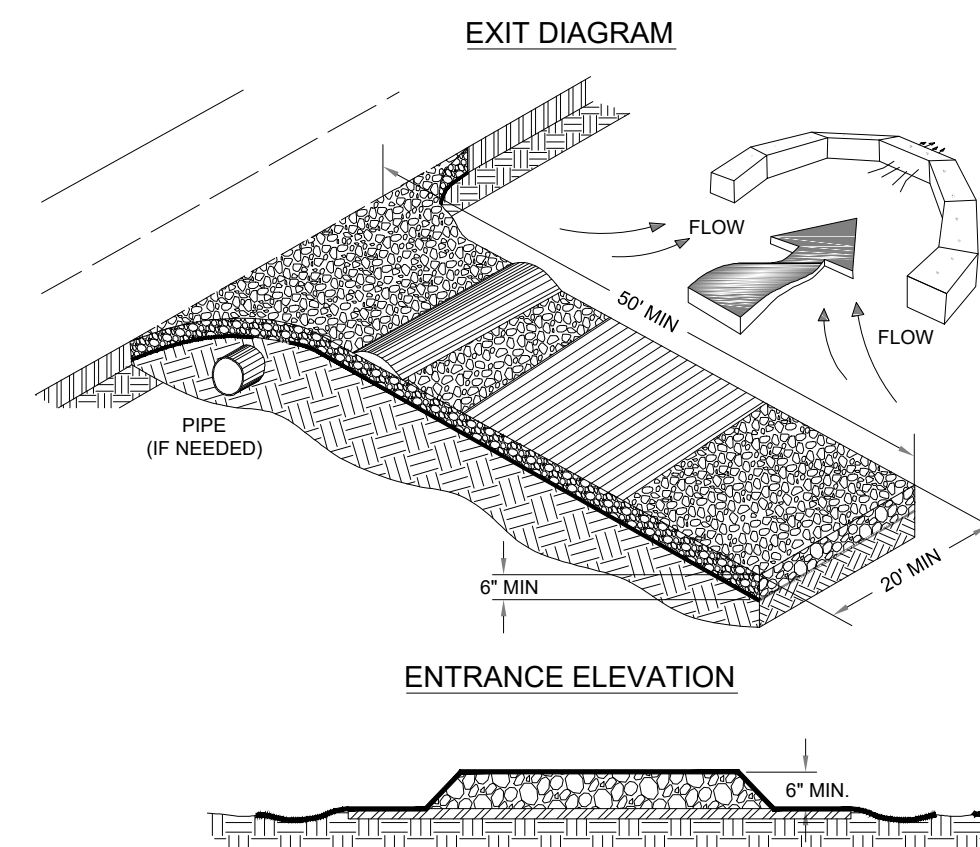
1. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR CONTROL OF ALL EROSION AND SEDIMENTATION.
2. ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE SODDED WITH ARGENTINE BAHIA. SODDING SHALL BE WATERED, FERTILIZED UNTIL WELL ESTABLISHED BUT NO LESS THAN FOUR WEEKS FROM DATE OF PLACEMENT.
3. THE CONTRACTOR SHALL SUBMIT THE NPDES NOI TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR USE OF THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL ACT AS THE "OPERATOR" FOR THE PERMIT AND ABIDE BY ALL REQUIREMENTS THEREOF, INCLUDING DEVELOPMENT OF A STORMWATER POLLUTION PREVENTION PLAN FOR THE PROJECT AND PERFORMANCE OF REQUIRED INSPECTIONS BY A CERTIFIED INSPECTOR.
4. THE CONTRACTOR SHALL INSTALL PRIOR TO COMMENCEMENT OF CONSTRUCTION AND MAINTAIN THROUGHOUT CONSTRUCTION THOSE SEDIMENT AND EROSION CONTROL FEATURES DEPICTED IN THE CONTRACT DOCUMENTS AND AS REQUIRED FOR COMPLIANCE WITH THE NPDES GENERIC PERMIT.



SILT FENCE NOTES:

1. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
3. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.

1 DETAIL
4 SILT FENCE
SCALE: N.T.S.



CONSTRUCTION ROAD NOTES:

1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
11. GEOTEXTILE UNDERLINE MUST BE PLACED THE FULL LENGTH AND WIDTH OF THE ENTRANCE. GEOTEXTILE SELECTION SHALL BE BASED ON AASHTO M288-06 SECTION 7.3, SEPARATION REQUIREMENTS.

2 DETAIL
4 STABILIZED CONSTRUCTION ENTRANCE
SCALE: N.T.S.

**TWIN OAKS
SITE REPAIR AND
RESTORATION**

STORMWATER POLLUTION PREVENTION DETAILS



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DISTRICT: 2
SECTION/TOWNSHIP/RANGE: 53, 25, 20W

NUMBER	REVISIONS	DATE	APPROVED BY

DRAWING NUMBER: **FL8142C06**
PROJECT NUMBER: **FL8142**

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