



# CONTRACT PLANS

COUNTY PROJECT NO. 6080560  
MANATEE COUNTY

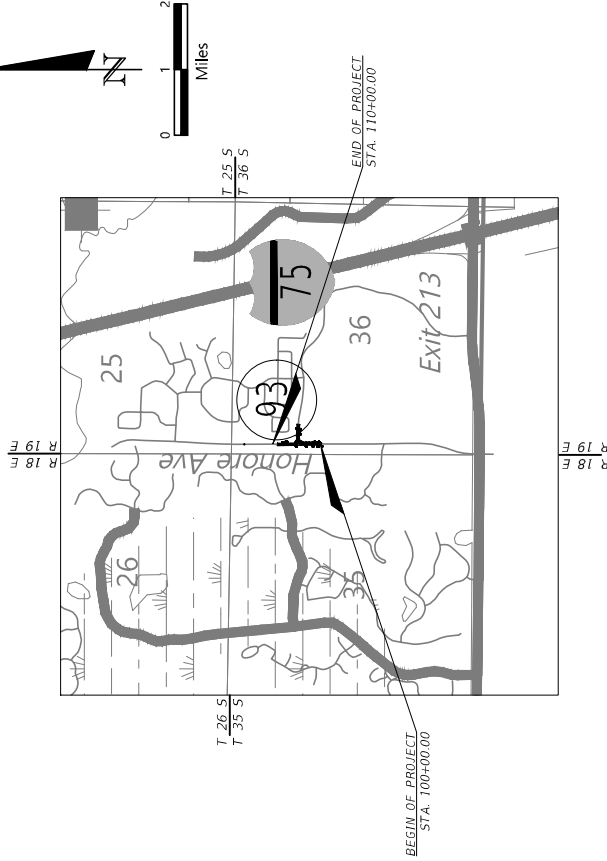
HONORE AVE. AT COOPER CREEK BLVD.

NOVEMBER 2020

- COMPONENTS OF CONTRACT PLANS SET
- ROADWAY PLANS
  - SIGNALIZATION PLANS
  - INTELLIGENT TRANSPORTATION SYSTEM (ITS) PLANS
  - LIGHTING PLANS

## INDEX OF ROADWAY PLANS

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PLANS PREPARED BY:  
HARDESTY & HAROVER, LLC  
5110 EISENHOWER BLVD, SUITE 310  
TAMPA, FL 33634  
(813) 749-0823

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

FINAL SUBMITTAL  
ROADWAY PLANS  
ENGINEER OF RECORD:

ROBERT EDWARD HIDECK, P.E.  
P.E. NO.: 67395

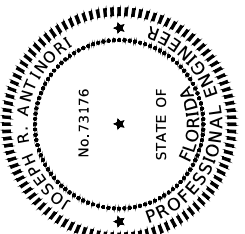
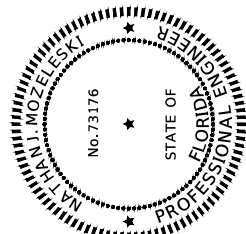
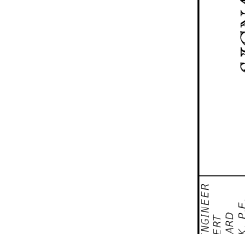
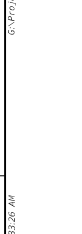
FISCAL YEAR	SHEET NO.
21	1

MANATEE COUNTY PROJECT MANAGER: ERIC SHROYER, P.E.

GOVERNING STANDARD PLANS:  
Florida Department of Transportation, July, 2020 Standard Plans for  
Road and Bridge Construction and applicable Interim Revisions (IRs).  
<http://www.fltdot.gov/design/StandardPlans.shtm>  
Standard Plans for Road Construction and associated (IRs) are  
available at the following website:

GOVERNING STANDARD SPECIFICATIONS:  
Florida Department of Transportation, July, 2020 Standard  
Specifications for Road and Bridge Construction at the following  
website:


<http://www.fltdot.gov/programmanagement/Implemented/SpecBooks>

<p>THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:</p>  <p>PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.</p> <p>TIERRA, INC. 10000 TERRACE HIGHWAY TAMPA, FL 33637 JOSEPH R. ANTINORI, P.E.</p> <p>THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.</p> <p><u>SHEET NO.</u> 18 19 20</p> <p><u>SHEET DESCRIPTION</u> ROADWAY SOIL SURVEY ROADWAY LOCATION PLAN SOIL PROFILES</p>	<p>THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:</p>  <p>PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.</p> <p>ATKINS NORTH AMERICA, INC. 482 SOUTH KELLER ROAD ANN ARBOR, MI 48106 NATHAN J. MOZELESKI, P.E.</p> <p>THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.</p> <p><u>SHEET NO.</u> U-1 to U-5</p> <p><u>SHEET DESCRIPTION</u> UTILITY ADJUSTMENTS</p>	<p>THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:</p>  <p>PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.</p> <p>HARDESTY &amp; HAROVER, LLC 10000 BISHOPMEN BOULEVARD SUITE 310 TAMPA, FL 33634 JASON W. DUINN, P.E.</p> <p>THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.</p> <p><u>SHEET NO.</u> 1 5 16-17</p> <p><u>SHEET DESCRIPTION</u> KEY SHEET STORMWATER POLLUTION PREVENTION PLANS DRAINAGE MAP</p>	<p>THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:</p>  <p>PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.</p> <p>HARDESTY &amp; HAROVER, LLC 10000 BISHOPMEN BOULEVARD SUITE 310 TAMPA, FL 33634 ROBERT EDWARD HIDECK, P.E.</p> <p>THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.</p> <p><u>SHEET NO.</u> 1 2 3-4 6 9 11-13 14 15</p> <p><u>SHEET DESCRIPTION</u> KEY SHEET SIGNATURE SHEET SUMMARY OF PAW ITEMS TYPICAL SECTIONS GENERAL NOTES CONSTRUCTION OFFICE CONTROL NOTES ROADWAY PLANS INTERSECTION DETAIL GUIDE SIGN WORKSHEET</p>
<p>DESIGN ENGINEER ROBERT EDWARD HIDECK FL. LICENSE NO. 67495</p> <p>DATE 11/20/20 PROJECT NO. 6080560</p> <p>HARDESTY &amp; HAROVER, LLC 10000 BISHOPMEN BLVD. SUITE 310 TAMPA, FL 33634 (813)749-0823</p> <p>11/17/2020 10:32:26 AM Jessica Harover 102-265 Venice Cir., Bradenton, FL 34209 PENNACAPITALSOLUTIONS.COM</p>			
<p style="text-align: center;"><b>SIGNATURE SHEET</b></p> <p style="text-align: right;">SHEET NO. 2</p> <p style="text-align: right;">PROJECT NUMBER: 6080560000 (Non-rep) SIGNATURE SHEET</p>			

HONORE AVE. AT COOPER CREEK BLVD. ROADWAY IMPROVEMENTS			
MANATEE COUNTY PROJECT NO. 6080560			
ROADWAY QUANTITIES			
Pay Item	Description	Quantity	Unit
102 1	MAINTENANCE OF TRAFFIC	1.0	LS
110 1 1	CLEARING & GRUBBING	0.2	AC
110 4 10	REMOVAL OF EXISTING CONCRETE	180.5	SY
120 1	REGULAR EXCAVATION	11.1	CY
120 6	EMBANKMENT	1.1	CY
0160 4	TYPE B STABILIZATION	1215.4	SY
285709	OPTIONAL BASE, BASE GROUP 09	1066.9	SY
0327 70 19	MILLING EXIST ASPH PAVT, 3/4" AVG DEPTH	5760.9	SY
0334 1 53	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22, 2", S-I	133.9	TN
0334 1 53	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC C, PG76-22, 1", S-III	130.1	TN
520-1-10	CONCRETE CURB TYPE F	151	LF
520-1-11	CONCRETE CURB TYPE AB	808	LF
0522 1	CONCRETE SIDEWALK AND DRIVEWAYS, 4"	257	SY
522-2	CONCRETE SIDEWALK AND DRIVEWAYS, 6"	110	SY
527 2	DETECTABLE WARNINGS	94	SF
570 1 1	HYDROSEED/MULCH	100	SY
570 1 2	PERFORMANCE TURF/SOD	2028	SY

HONORE AVE. AT COOPER CREEK BLVD. ROADWAY IMPROVEMENTS			
MANATEE COUNTY PROJECT NO. 6080560			
DRAINAGE QUANTITIES			
Pay Item	Description	Quantity	Unit
104 10 3	SEDIMENT BARRIER	100.0	LF
104 15	SOIL TRACTION PREVENTION DEVICE	1.0	EA
104 18	INLET PROTECTION SYSTEM	5.0	EA
0425 1341	INLETS, CURB, TYPE P-4, <10'	1.0	EA
0425 1561	INLETS, DT BOT, TYPE F, <10'	1.0	EA
430175118	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 18"S/CD	8	LF
430175130	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 30"S/CD	12	LF

NO.	REVISIONS	DATE	BY	CHKD	AS NOTED	HARDESTY & HANOVER, LLC 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634 (813)749-4823	DATE	PROJECT NO.
					REH		11/20/20	6080560
					JG			
					REH			



**HARDESTY & HANOVER, LLC**  
PUBLIC WORKS DIVISION  
1002 22nd Street, Suite 300  
Tampa, FL 33606  
MICO JOHNSON

DESIGN ENGINEER  
FOR  
EDWARD  
HIDECK, P.E.  
FL LICENSE NO.  
67495

**SUMMARY OF PAY ITEMS (1)**













**GENERAL NOTES:**

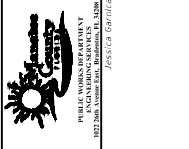
1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE FLORIDA STATE PLAIN COORDINATE SYSTEM (WEST ZONE) MAD 83/2011 HORIZONTAL DATUM AND NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
2. ALL SURVEY INFORMATION WAS OBTAINED FROM A LICENSED FLORIDA PROFESSIONAL SURVEYOR AND MAPPER AND UTILIZED AS SUPPORTING DATA IN THE PRODUCTION OF DESIGN PLANS AND FOR CONSTRUCTION ON SUBJECT PROJECT. THE PROFESSIONAL SURVEYOR AND MAPPER OF RECORD IS:  
BOB LAUSTEN, P.S.M.  
ZAS ENGINEERING  
201 5TH AVENUE DRIVE EAST  
BRANDENTON, FL 34208
3. EXISTING SIGNS TO REMAIN, UNLESS NOTED OTHERWISE.
4. ARROWS WITH STATION CALLOUTS DEPICTED ON PLANS ARE PAVEMENT MESSAGES.
5. EXISTING DRAINAGE STRUCTURES TO REMAIN, UNLESS NOTED OTHERWISE.
6. PROVIDE INLET PROTECTION FOR ALL EXISTING DRAINAGE STRUCTURES TO REMAIN AND PROPOSED STRUCTURES DURING CONSTRUCTION.
7. ANY PORTION OF THE EXISTING RIGHT OF WAY THAT IS DISTURBED OUTSIDE THE LIMITS OF CONSTRUCTION SHALL BE REDRESSED AND SODDED AT THE CONTRACTOR'S EXPENSE.
8. PRIOR TO CONSTRUCTION, A SITE PLAN WITH ANY AREAS OF THE RIGHT OF WAY INTENDED TO BE UTILIZED FOR STAGING CONSTRUCTION EQUIPMENT OR MATERIAL STORAGE SHALL BE SUBMITTED FOR APPROVAL. THE PLAN SHALL SHOW THE PROPOSED LOCATIONS FOR PARKING, IDLE EQUIPMENT, DESIGNATED LOCATIONS FOR EMPLOYEE PARKING, AND WORK STAGING AREAS. THE SITE PLAN MUST BE UPDATED AND MAINTAINED VIA SUBMITTALS AND APPROVALS FOR THE DIFFERENT PHASES OF CONSTRUCTION THROUGHOUT THE LIFE OF THE PROJECT.
9. NO STOCKPILE OF MATERIAL IS PERMITTED WITHIN THE PROJECT LIMITS WITHOUT PRIOR APPROVAL.
10. ALL BOTTOM PROFILE ELEVATIONS AND CROSS SECTIONS FOR TREATMENT/ATTENUATION SWALES SHALL BE CONSTRUCTED TO WITHIN ±0.1 FEET OF THE VALUES SHOWN ON THE PLANS.
11. PRIOR TO CONSTRUCTION, VERIFY EXISTING DRAINAGE INVERT ELEVATIONS THAT WILL REMAIN PART OF THE PROPOSED DRAINAGE SYSTEM. ANY DIFFERENCE FROM PLAN ELEVATION SHALL BE REPORTED TO THE ENGINEER.
12. ALL STATIONS AND OFFSETS REFER TO THE C. OF CONSTRUCTION UNLESS OTHERWISE NOTED.
13. THE COUNTY RESERVES THE RIGHT TO PERFORM QUALITY ASSURANCE TESTING ON ALL MATERIAL DELIVERED TO THE PROJECT AND TO REJECT ALL MATERIALS NOT MEETING ACCEPTABLE STANDARDS.
14. ANY DAMAGE TO COUNTY OR LOCAL ROADS CAUSED BY THE CONTRACTORS, HAULING OR EXCAVATION EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE COUNTY. PAYMENT SHALL NOT BE MADE FOR THIS WORK.
15. OVERALL CLEANUP SHALL BE ACCOMPLISHED TO THE SATISFACTION OF THE COUNTY. ANY AND ALL EXPENSES INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE FOR MOBILIZATION.
16. INSTALL SOIL TRACKING PREVENTION DEVICES AT ALL POINTS OF CONSTRUCTION VEHICLE INGRESS/EGRESS.
17. SEE COUNTY HIGHWAY & TRAFFIC STANDARD MANUAL ROAD CONNECTION DETAIL 403.3 AT ALL WIDENING AND CONNECTIONS TO EXISTING PAVEMENT.
18. THE UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION. THE UTILITIES WERE LOCATED AS ACCURATELY AS POSSIBLE; HOWEVER NO GUARANTEE IS MADE THAT THE UTILITIES COMPRISE ALL UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED.
19. FIELD VERIFY ANY AND ALL EXISTING CONDITIONS PRIOR TO COMMENCING CONSTRUCTION, AND NOTIFY THE ENGINEER PROMPTLY OF ANY DISCREPANCIES.
20. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME THESE DRAWINGS WERE PREPARED, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT SIZE, LOCATION, DEPTH, HEIGHT, ELEVATION, DIMENSION, AND EXTENT OF ALL UNDERGROUND AND OVERHEAD FACILITIES AND OTHER FEATURES AFFECTING HIS WORK PRIOR TO PROCEEDING WITH ANY CONSTRUCTION ACTIVITY THAT MAY AFFECT SUCH FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE COORDINATION OF CONSTRUCTION SCHEDULING BETWEEN THE CONTRACTOR AND ALL UTILITY AGENCIES.  
NOTE: INCLUDE THE CONTACT INFORMATION FOR ALL UTILITY AGENCIES PRIOR TO THE PRE-CONSTRUCTION CONFERENCE TO ADJUST THEIR SCHEDULES TO COINCIDE WITH THE CONTRACTORS CONSTRUCTION SCHEDULE.

24. SEPARATE PAYMENT SHALL BE MADE ONLY FOR THE ITEMS OF WORK LISTED AND IDENTIFIED BY APPROPRIATE PAY ITEM ON THE BID FORM. THE COST OF ANY RELATED WORK NOT SPECIFICALLY IDENTIFIED, BUT WHICH IS REQUIRED FOR SATISFACTORY COMPLETION OF THE WORK, SHALL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT PRICE FOR THE APPROPRIATE BID ITEM.
25. CONSTRUCT ALL EROSION CONTROL AND SEDIMENT CONTROL, IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, THROUGHOUT THE DURATION OF THE PROJECT AND ALL ASPECTS OF CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE RESTORATION EFFORTS THAT MAY BE REQUIRED AS A RESULT OF CONSTRUCTION. USE WHATEVER METHODS, CONFORMING TO APPLICABLE STANDARDS, NECESSARY TO PREVENT EROSION AND SILTATION AS MAY BE REQUIRED FOR THE PROJECT.
26. ALL EROSION CONTROL FENCES, BARRIERS, AND SILTATION DEVICES SHALL BE ERECTED PRIOR TO ANY LAND ALTERATIONS. SHALL BE MAINTAINED IN GOOD WORKING ORDER DURING CONSTRUCTION, AND REMOVED FOLLOWING SOIL STABILIZATION AND FINAL DRESSING. BUILT-UP SEDIMENT WILL BE REMOVED FROM SILT FENCES AND STAKED TURBIDITY BARRIERS WHEN IT HAS REACHED ONE THIRD THE HEIGHT OF THE FENCE/BARRIER. STOCKPILE AREAS SHALL INCLUDE SILT FENCE AROUND THE PERIMETER.
27. CHECK ALL EROSION AND SILTATION CONTROL DEVICES WEEKLY, AND AFTER EACH RAINFALL, AND REPAIR AND REPLACE THEM AS REQUIRED. MAINTENANCE AND INSPECTION OF THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION CONTROL SHALL BE INCLUDED IN THE COST OF PAY ITEMS LISTED.
28. PERFORMANCE TURF-SOD STABILIZATION SHALL OCCUR WITHIN 72 HOURS OF ACHIEVING FINAL GRADE. ALL SLOPES STEEPER THAN 3:1 SHALL INCLUDE SOD STAPLING OR STAKING, THE COST OF WHICH IS INCLUDED IN THE PAY ITEM FOR PERFORMANCE TURF. SOD (3:1).
29. UNSUITABLE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE, AT A SUITABLE SITE PROVIDED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL PERMITS AND PERMITTING FEES REQUIRED FOR THE TRANSPORT AND DISPOSAL OF UNSUITABLE MATERIAL.
30. ANY PRIVATELY OWNED FEATURES LOCATED ON PRIVATE PROPERTY AND OUTSIDE THE DESIGNATED AREA OF CONSTRUCTION WHICH ARE DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE REPAIRED IN A TIMELY MANNER AT THE EXPENSE OF THE CONTRACTOR. PAYMENT SHALL NOT BE MADE FOR THIS WORK.
31. DISTURB NO MORE GROUND THAN WHAT IS NECESSARY FOR CONSTRUCTION. NO OPEN EXCAVATED TRENCH, OR OTHER UNSAFE CONDITION, WILL BE LEFT OVERNIGHT. ALL WORK SITES WILL BE COMPLETELY RESTORED WITHIN SEVEN (7) CALENDAR DAYS OF THE CONCRETE POUR FOR SIDEWALK. THE INTENT OF THIS PROVISION IS TO SAFE-UP THE PROJECT SITE AS WORK PROGRESSES, AND SHALL INCLUDE REMOVING FORMS, FILLING HOLES, GRADING, AND REMOVAL OF DEBRIS.
32. ALL SIDEWALK DAMAGED BY THE CONTRACTOR OR SUBCONTRACTOR SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR, AT THE DIRECTION OF THE COUNTY.
33. NO ROAD CLOSURE SHALL BE ALLOWED UNLESS APPROVED BY COUNTY REPRESENTATIVES. ACCESS FOR LOCAL TRAFFIC WITH DESTINATIONS WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED. IF IT BECOMES NECESSARY DURING CONSTRUCTION TO TEMPORARILY PROHIBIT ACCESS TO LOCAL TRAFFIC, ON EACH SEPARATE OCCASION, NOTIFY ALL AFFECTED PROPERTY OWNERS AND AREA EMERGENCY SERVICES AT LEAST THREE DAYS (72 HOURS) IN ADVANCE.
34. RECONSTRUCT EXISTING SIDEWALK SLABS THAT EXCEED 0.02 CROSS SLOPE TO THE NEAREST JOINT. STATIONS SHOWN ARE THE APPROXIMATE LIMITS OF REPLACEMENT.

**UTILITY NOTES:**

35. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS (INCLUDING THOSE DESIGNATED VV, VH AND VWH) ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
36. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
37. UTILITY/AGENCY OWNERS:  
SEE SHEET T-5 OF THE ADVANCED TRAFFIC MANAGEMENT SYSTEM PLANS.

NO.		REVISIONS		DATE		BY		AS NOTED		HARDESTY & HANOVER, LLC 5110 EISENHOWER BLVD SUITE 310 TAMPA, FL 33634 (813)749-0823		DATE		PROJECT NO.	
													11/20/20	6080560	
												DESIGN ENGINEER		SHEET NO.	
												ROBERT EDWARD HIDECK, P.E.		9	
												FL LICENSE NO.		GENERAL NOTES	
												67495			



Jessica Garcia  
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**I. SITE DESCRIPTION**

**A. CONSTRUCTION ACTIVITY**

CONSTRUCTION ACTIVITIES ARE CLEARING, GRUBBING, ROADWAY AND PEDESTRIAN SAFETY IMPROVEMENTS, INTERSECTION IMPROVEMENTS, SIGNALIZATION, STORM SEWER INSTALLATION, EARTHWORK AND OTHER MISCELLANEOUS CONSTRUCTION ACTIVITIES.

**B. PROJECT LIMITS**

THE PROJECT LIMITS ALONG HONORE AVENUE ARE APPROXIMATELY 500 FEET NORTH AND SOUTH OF THE HONORE AVENUE INTERSECTION. THE PROJECT LIMITS ALONG UNIVERSITY PLACE AND BOULEVARD ARE APPROXIMATELY 500 FEET EAST OF THE HONORE AVENUE INTERSECTION. THE TOTAL PROJECT LENGTH IS APPROXIMATELY 0.28 MILES.

**C. PROJECT DESCRIPTION**

THIS PROJECT WILL PROVIDE IMPROVEMENTS ALONG THE URBAN COLLECTOR BY WAY OF A NEW TRAFFIC SIGNAL WITH MAST ARMS, PEDESTRIAN ACCOMMODATIONS, FIBER OPTIC COMMUNICATION SYSTEMS, AND STORM SEWER IMPROVEMENTS. THE PROJECT WILL BE CONFINED TO THE EXISTING EXCLUSIVE SOUTHBOUND LEFT TURN LANE, NORTHBOUND RIGHT TURN LANE AND A WESTBOUND LEFT TURN LANE.

**D. MAJOR SOIL DISTURBING ACTIVITIES**

CLEARING, GRUBBING, EXCAVATION ACTIVITIES FOR THE ADJUSTMENT OF THE STORM SEWER SYSTEM.

**E. TOTAL PROJECT AREA: 4.00 ACRES**

TOTAL AREA TO BE DISTURBED: 2.84 ACRES

**F. RUNOFF DATA**

PROPOSED IMPERVIOUS AREA WILL INCREASE RUNOFF. HOWEVER, THE EXISTING MASTER DRAINAGE SYSTEMS OF UNIVERSITY PLACE AND CAROLINA LANDINGS POND WILL PROVIDE ATTENUATION OF INCREASE RUNOFF. C-VALUE = 0.48  
 DRAINAGE AREA (AC) = 4.00  
 DRAINAGE AREA (AC) = 4.00  
 DRAINAGE AREA (AC) = 4.00  
 POST CONSTRUCTION C-VALUE = 0.50  
 POST CONSTRUCTION C-VALUE = 0.50

**G. SOIL DATA**

BASED ON THE CURRENT USDA NATURAL RESOURCE SERVICE SOIL SURVEY OF MANATEE COUNTY, FLORIDA, PROJECT CONSISTS OF: PRIMARILY OF FAUGALLIE-FAUGALLIE WE1, FINE SAND.

**H. DRAINAGE AREA (ATTACH DRAINAGE MAP OR PROVIDE DRAINAGE AREA IN ACRES)**

SEE DRAINAGE MAP ON SHEET 5.

**I. RECEIVING WATERS**

COOPER CREEK

**J. WETLANDS AREAS**

NONE

**II. CONTROLS**

ALL CONTROLS SHALL BE CONSISTENT WITH PERFORMANCE STANDARDS FOR EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT IN §602.02, CHAPTER 62, PART 1, F.S. AND THE LOCAL ORDINANCES, REGULATIONS, AND POLICIES OF THE COUNTY OF MANATEE, FLORIDA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE FLORIDA DEPARTMENT OF WATER MANAGEMENT DISTRICT AND THE GUIDELINES CONTAINED IN THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (DEP, 1989) AND ANY SUBSEQUENT AMENDMENTS.

**A. SEQUENCE OF MAJOR ACTIVITIES**

CLEARING AND GRUBBING OF EARTHWORK ASSOCIATED WITH THE PROPOSED INLETS AND OUTFALL CONSTRUCTION OF ALL DRAINAGE INLETS, OUTFALL, MILLING & RESURFACING, AND DRIVEWAYS. WHEN CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE EROSION PROTECTION DEVICES AND CONSTRUCTION ENTRANCE AS REQUIRED.

**B. EROSION AND SEDIMENT CONTROL CONSTRUCTION ACTIVITIES**

THE CONTRACTOR IS REQUIRED TO REVIEW THE SITE SPECIFIC EROSION CONTROL PLAN. THE CONTRACTOR MAY ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS OR SITE CONDITIONS. CONTRACTOR WILL COMPLY WITH THE E & S PLAN, ANY SPECIAL VARIATIONS OR SITE CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL EROSION CONTROL DEVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL EROSION CONTROL DEVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL EROSION CONTROL DEVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL EROSION CONTROL DEVICES.

PERFORM DAILY INSPECTION OF EROSION AND SEDIMENT CONTROLS AFTER EVERY 1/2" RAINFALL. REMOVE ALL SEDIMENTS THAT HAVE MIGRATED OFF SITE AS DIRECTED BY THE ENGINEER.

**C. STABILIZATION PRACTICES**

DURING CONSTRUCTION THE CONTRACTOR WILL PROVIDE STABILIZATION FOR AREAS WHICH HAVE BEEN CLEARED AND NOT REFORESTED WITHIN FOURTEEN (14) CALENDAR DAYS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL STABILIZATION PRACTICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL STABILIZATION PRACTICES.

- \_\_\_ TEMPORARY SODDING
- \_\_\_ TEMPORARY GRASSING
- \_\_\_ PERMANENT SODDING OR SEEDING
- \_\_\_ PRESERVATION OF NATURAL RESOURCES
- \_\_\_ BUFFER ZONES

**D. STRUCTURAL PRACTICES**

- \_\_\_ ARTIFICIAL COVERINGS/ ROLLED EROSION CONTROL PRODUCTS (SY)
- INLET PROTECTION SYSTEM (EA)
- \_\_\_ LITTER REMOVAL AND DISPOSAL (AC)
- \_\_\_ MOWING (AC)
- \_\_\_ SLOPE DRAINS (TEMPORARY) RUNOFF CONTROL STRUCTURES (LF)
- SOIL TRACKING PREVENTION DEVICE (EA)
- \_\_\_ SEDIMENT BASIN/CONTAINMENT SYSTEMS (EA)
- \_\_\_ SEDIMENT BASIN/CONTAINMENT SYSTEM CLEANOUT (EA)
- \_\_\_ FLOATING TURBIDITY BARRIER (LF)
- SEDIMENT BARRIERS (LF)
- \_\_\_ CHEMICAL TREATMENT - POWDERED (SY)
- \_\_\_ CHEMICAL TREATMENT (FLOC LOGS, DRUMS OF PRODUCT) (EA)
- \_\_\_ OTHER

**E. DESCRIPTION OF STORM WATER MANAGEMENT**

RUNOFF FROM COOPER CREEK AND HONORE AVE. DRAIN TO EXISTING MASTER DRAINAGE SYSTEMS OF UNIVERSITY PLACE AND CAROLINA LANDINGS.

**F. WASTE DISPOSAL**

THE CONTRACTOR SHALL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES. ANY CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER. NO SOLID MATERIALS INCLUDING BUILDING & CONSTRUCTION MATERIALS SHALL BE DISCHARGED TO WETLANDS OR BURIED ON SITE. ALL WASTE MATERIAL WILL BE SHOWN AND TRACKED FROM THE SITE. ALL WASTE MATERIAL WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPLOYED A MINIMUM OF TWICE A WEEK OR MORE OFTEN IF NECESSARY. AND THE TRASH WILL BE HAULED TO THE APPROPRIATE COUNTY LOCATION FOR DUMPING.

**G. OFFSITE VEHICLE TRACKING**

STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREETS WILL BE CLEANED AS DIRECTED BY THE CONSTRUCTION INSPECTOR AND ENGINEER TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM OR TO THE SITE WILL BE COVERED WITH A TARP/PAVILION AT ALL TIMES.

**H. SANITARY WASTE**

FOOT STANDARD SPEC. FOR ROAD AND BRIDGE CONSTRUCTION" SECTION 7-6 "SANITARY PROVISIONS". THE CONTRACTOR SHALL PROVIDE AND MAINTAIN THE NECESSARY SANITARY FACILITIES THROUGHOUT THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL SANITARY FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL SANITARY FACILITIES.

**I. HAZARDOUS WASTE**

THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE COUNTY IN WRITING IF ANY HAZARDOUS WASTE MATERIAL IS ENCOUNTERED DURING SITE INVESTIGATION OR CONSTRUCTION. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR NOTIFYING THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) WITHIN 24 HOURS OF THE DISCOVERY. ALL HAZARDOUS WASTE MATERIALS IF ENCOUNTERED, WILL BE DISPOSED OF IN THE MANNER SPECIFIED ON THE STATE OF FLORIDA'S HAZARDOUS WASTE MANAGEMENT PLAN. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. IN CASE OF DISPOSING ANY HAZARDOUS WASTE MATERIAL FOLLOWING LOCAL, STATE, AND FEDERAL REGULATIONS. A COPY OF DISPOSAL MANIFEST HAS TO BE PROVIDED TO THE COUNTY IN TIMELY FASHION.

**J. WATER QUALITY MONITORING (MIXING ZONES)**

N/A.

NO.	REVISIONS	DATE	BY	REASON	AS NOTED	HARDESTY & HARDY, LLC SUITE 300 TAMPA, FL 33634 (813) 749-0823	DATE	DESIGN ENGINEER JASON W. DUNN, P.E. FL LICENSE NO. 65039	SHEET NO. 16
							11/20/20		
							6080560		





**K. APPROVED STATE, LOCAL PLANS, OR STORM WATER PERMITS**  
SWFWMD ERP AND NPDES

**III. MAINTENANCE**

A. ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES.  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ONLY INSPECTION AND MAINTENANCE OF ALL PERMANENT AND TEMPORARY EROSION CONTROL MEASURES THROUGHOUT ALL CONSTRUCTION PHASES OF THE PROJECT. MAINTENANCE SHALL BE IN ACCORDANCE WITH PINELLAS COUNTY DELISTED STANDARD TECHNICAL SPECIFICATIONS FOR ROADWAY AND RELATED CONSTRUCTION, AND THE PROJECT CONSTRUCTION CONTRACT.

B. INSPECTION  
THE COUNTY INSPECTOR SHALL BE RESPONSIBLE FOR COMPLETING THE PINELLAS COUNTY DELISTED NPDES SWPPP CONSTRUCTION INSPECTION REPORT AFTER ANY 1/2" RAINFALL OR WEEKLY, IF NO RAIN EVENT OCCURRED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAINFALL. THE COUNTY INSPECTOR SHALL ALSO COMPLETE THE PINELLAS COUNTY DELISTED NPDES COMPLIANCE CHECKLIST FOR CONSTRUCTION SITES.

C. NON-STORM WATER DISCHARGES  
IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES MAY OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

- WATER FROM WATER LINE FLUSHING
- PAVEMENT WASH WATERS (WHERE NO SPILL OR LEAKS OF VEHICLE AND HAZARDOUS MATERIALS HAVE OCCURRED)
- UNCONTAMINATED GROUNDWATER FROM DE-WATERING ACTIVITIES

ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEGMENT BASH PRIOR TO DISCHARGE OR AS DIRECTED BY THE ENGINEER. IF CONTAMINATED SOIL OR GROUNDWATERS ENCOUNTERED, DEWATERING SHOULD CEASE IMMEDIATELY AND THE ENGINEER WILL BE CONTACTED.

D. MATERIAL MANAGEMENT PRACTICES  
THE FOLLOWING ARE THE MATERIAL HANDLING PRACTICES THAT WILL BE USED TO REDUCE THE RISKS OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

- THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT.
  - STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB ON SITE.
  - ALL MATERIALS STORED ON SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR ORIGINAL MANUFACTURER'S LABELED CONTAINERS UNDER A ROOF OR OTHER CONTAINED ENCLOSURE.
  - SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
  - WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED BEFORE DISPOSING OF THE CONTAINER. MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.
  - THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE.
- THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.
  - PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RE-SEALABLE.
  - SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL OPENED CONTAINERS. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE KEPT ON-SITE ON THE CONSTRUCTION OFFICE TRAILER.
  - IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS OR LOCAL STATE RECOMMENDED METHODS OF PROPER DISPOSAL SHALL BE FOLLOWED.
  - THE CONTRACTOR MUST IDENTIFY A DESIGNATED FUEL TANK STORAGE AREA, AWAY FROM

DRAINAGE STRUCTURES, PONDS, BASINS, AND WETLANDS, WITH SECONDARY CONTAINMENT (SPILL COLLECTION).

CONCRETE TRUCKS

- CONTRACTORS SHALL DESIGNATE AN AREA AWAY FROM DRAINAGE STRUCTURES, PONDS, BASINS AND WETLANDS FOR DISCHARGE OF SURPLUS CONCRETE OR CEMENT WASH WATER AND SHALL INSTALL A CONTAINMENT BERM AROUND THIS AREA TO PREVENT RUNOFF TO THE REMAINDER OF THE SITE.
- HARD DEBRIS SHALL BE DISPOSED OF BY CONTRACTOR UPON COMPLETION OF THE PROJECT.
- DISPOSAL OF CONCRETE SLURRY DIRECTLY INTO PUBLIC DRAINAGE SYSTEMS IS A VIOLATION OF THE "ILLUOT DISCHARGE" PROVISION OF THE PINELLAS COUNTY LAND DEVELOPMENT CODE, SECTION 99-239 OF THE PINELLAS COUNTY CODE AUTHORIZES PENALTIES OF UP TO \$10,000.00 FOR EACH OFFENSE.

4. SPILL CONTROL PRACTICES  
IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIALS MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP.

- MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION CLEANUP SUPPLIES.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.

- THE SPILL PREVENTION PLAN WILL BE PREPARED BY THE CONTRACTOR AND KEPT IN THE CONSTRUCTION OFFICE TRAILER AND WILL INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE ARE OTHERS. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED. ALL SPILLS AND RESPONSES WILL BE REPORTED TO THE APPROPRIATE AGENCY.
- THE SITE SUPERINTENDENT WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ON SITE.

- USE AND CHARACTERISTICS OF FUEL OR CHEMICAL STORAGE TANK ON SITE SHALL COMPLY WITH ALL RELATED FEDERAL, STATE, AND LOCAL REGULATIONS. STORAGE TANKS MUST BE LOCATED AS FAR AS POSSIBLE FROM ANY DRAINAGE STRUCTURES, DITCHES, AND/OR SURFACE WATERS. IN ADDITION, THE CONTRACTOR MUST PROVIDE A SECONDARY SPILL PREVENTION SYSTEM FOR ALL FUEL OR CHEMICAL STORAGE TANKS. THE SECONDARY CONTAINMENT SHALL BE SIZED TO CONTAIN MINIMUM ONE AND A HALF TIME THE TOTAL CAPACITY OF STORAGE TANK BEING USED. CONTRACTOR HAS TO PROVIDE A DAILY INSPECTION LOG FOR THE SECONDARY CONTAINMENT WITH INDICATION OF DATE, INSPECTOR NAME AND INSPECTION REPORT. FURTHERMORE, ANY CONTAMINATION HAS TO BE IMMEDIATELY CONTAINED AND THE COUNTY INSPECTOR MUST BE NOTIFIED OF THE NATURE AND EXTEND OF THE CONTAMINATION.

NO.	REVISIONS	DATE	BY	REASON	AS NOTED	HARDESTY & HARDY, LLC 5115 SEBASTIAN BLVD. SUITE 300 TAMPA, FL 33634 (813) 749-0823	DATE	DESIGN ENGINEER	SHEET NO.
							11/20/20	JASON W. DUNN, P.E. FL LICENSE NO. 65039	17
							PROJECT NO. 6080560		



THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

**MANATEE COUNTY  
PUBLIC WORKS**

DATE OF SURVEY: JULY 2020 TO AUGUST 2020  
 SURVEY MADE BY: TERRA, INC.  
 SUBMITTED BY: JOSEPH R. ANTINORI, P.E.

**MANATEE COUNTY PROJECT NO. 6080560**

**PROJECT NAME: HONORE AVENUE AT COOPER CREEK INTERSECTION IMPROVEMENTS**

**CROSS SECTION SOIL SURVEY FOR THE DESIGN OF ROADS**

STRATUM NO.	ORGANIC CONTENT		MOISTURE CONTENT		SIEVE ANALYSIS RESULTS						ATTERBERG LIMITS (%)		CORROSION TEST RESULTS					
	NO. OF TESTS	% ORGANIC	NO. OF TESTS	CONTENT	10 MESH	40 MESH	60 MESH	100 MESH	200 MESH	NO. OF TESTS	LIQUID LIMIT	PLASTIC INDEX	AASHTO GROUP	NO. OF TESTS	RESISTIVITY ohms cm	CHLORIDE ppm	SULFATES ppm	pH
1	2	---	2	9-13	100	93	75	42	6-14	---	---	---	A-3/A-2-4	---	---	---	---	---
2	2	---	2	12-18	100	92	72	38	6-9	---	---	A-3	2	890-2,300	15	510-1,380	5.9-6.4	

GRAY TO BROWN SAND TO SAND WITH SILT FREQUENTLY WITH CLAY NODULES, LIMESTONE FRAGMENTS AND/OR SHELL (FILL)  
 GRAY TO BROWN SAND TO SAND WITH SILT

**NOTES:**

- THE MATERIAL FROM STRATUM 2 (A-3) APPEARS SATISFACTORY FOR USE IN THE EMBANKMENT WHEN UTILIZED IN ACCORDANCE WITH STANDARD PLANS, INDEX 120-001.
- THE MATERIAL FROM STRATUM 1 (A-2/A-3-4) APPEARS SATISFACTORY FOR USE IN THE EMBANKMENT WHEN UTILIZED IN ACCORDANCE WITH STANDARD PLANS, INDEX 120-001. HOWEVER, THIS MATERIAL IS LIKELY TO RETAIN EXCESS MOISTURE AND MAY BE DIFFICULT TO DRY AND COMPACT. IT SHOULD BE USED IN THE EMBANKMENT ABOVE THE WATER LEVEL EXISTING AT THE TIME OF CONSTRUCTION.

**EMBANKMENT AND SUBGRADE MATERIAL**

- STRATA BOUNDARIES ARE APPROXIMATE. MAKE FINAL CHECK AFTER GRADING.
- ☒ - ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
  - ☒ - GROUNDWATER TABLE ENCOUNTERED DURING INVESTIGATION
  - ☒ - GROUNDWATER NOT ENCOUNTERED

NO.	REVISIONS	DATE	BY	AS NOTED

**TERRA**  
 Tampa, Florida 33637  
 7335 Tampa Terence Highway  
 Phone: 813-988-1255  
 Fax: 813-988-1255  
 FL Cert. No. 4848

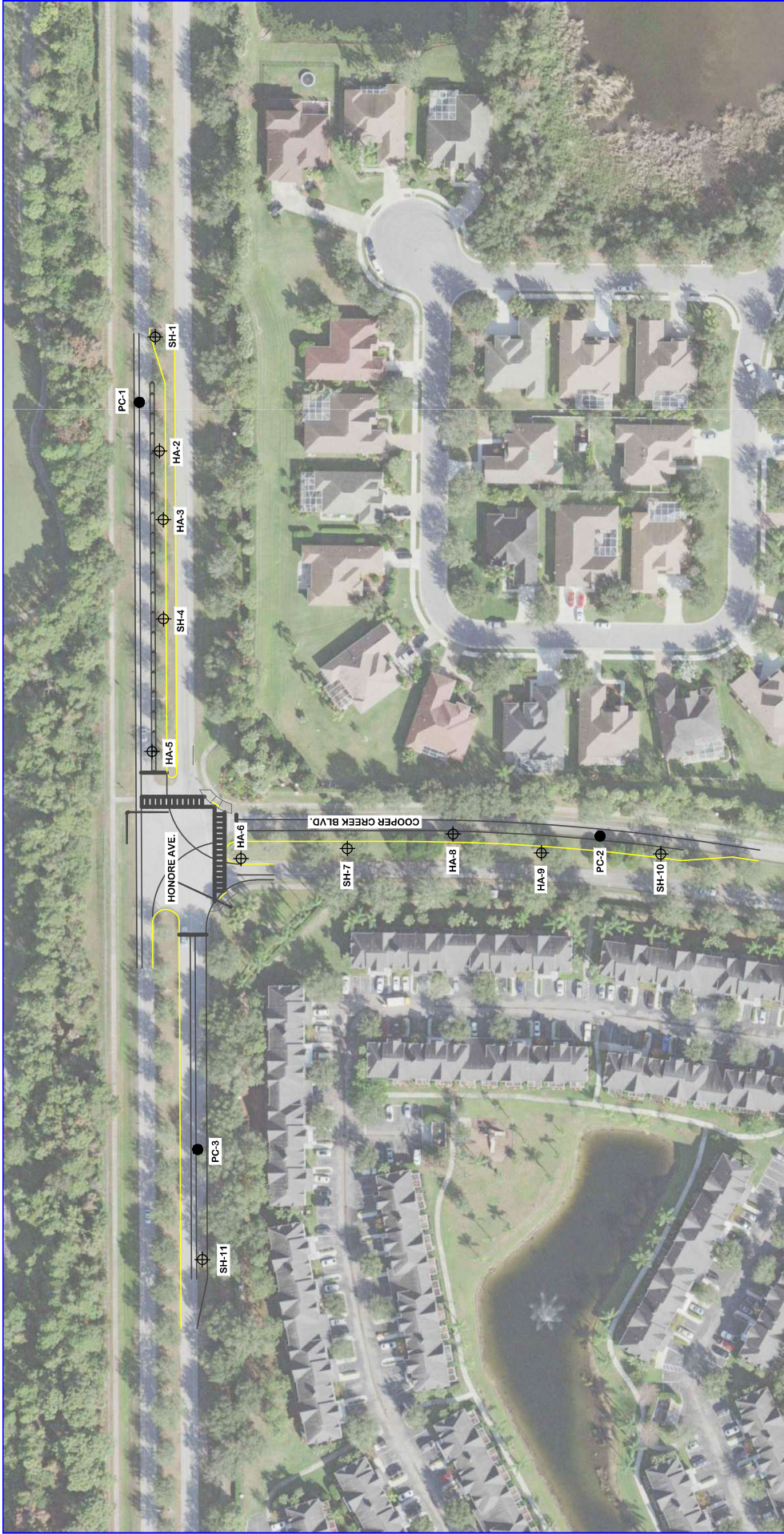
DATE	AUG. 2020
PROJECT NO.	6080560



DESIGN ENGINEER	JOSEPH R. ANTINORI, P.E.
FL LICENSE NO.	73176

**HONORE AVENUE AT COOPER CREEK  
BOULEVARD  
ROADWAY SOIL SURVEY**

SHEET NO.	18
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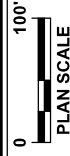


NOTE: DESIGN FILES PROVIDED BY HANOVER & HARDESTY

## BORING LOCATION PLAN

## LEGEND

- ⊕ APPROXIMATE LOCATION OF AUGER BORING
- APPROXIMATE LOCATION OF PAVEMENT CORE



NO.	REVISIONS	DATE	BY	SCALE	AS NOTED
					SW
					SW
					DN

**TERRA**  
 7335 Tampa Terrace Highway  
 Tampa, Florida 33637  
 Phone: 813-988-1234 Fax: 813-988-1235  
 FL Cert. No. 6448

DATE: AUG. 2020  
 PROJECT NO: 60300560



DESIGN ENGINEER  
 JOSEPH R. ANTONIO, P.E.  
 FL LICENSE NO. 73176

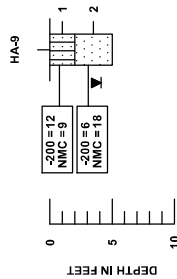
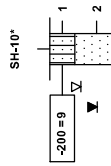
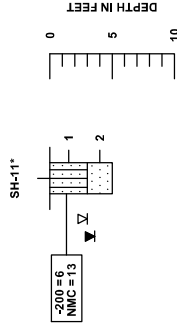
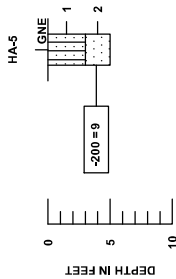
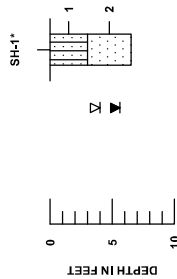
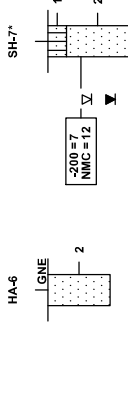
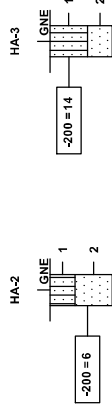
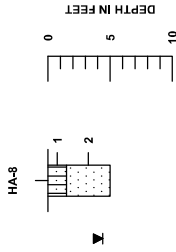
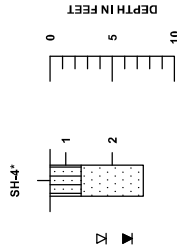
HONORE AVENUE AT COOPER CREEK BOULEVARD  
 BORING LOCATION PLAN (1)

SHEET NO. 19

# SOIL PROFILES

# LEGEND

- 1 GRAY TO BROWN SAND TO SAND WITH SILT FREQUENTLY WITH CLAY NODULES, LIMESTONE FRAGMENTS AND/OR SHELL (A-3/A-2-4) [FILL]
  - 2 GRAY TO BROWN SAND TO SAND WITH SILT (A-3)
  - GROUNDWATER LEVEL ENCOUNTERED DURING INVESTIGATION
  - ESTIMATED SEASONAL HIGH GROUNDWATER TABLE
  - AASHTO GROUP SYMBOL AS DETERMINED BY VISUAL REVIEW AND LABORATORY TESTING ON SELECTED SAMPLES FOR CONFIRMATION OF VISUAL REVIEW.
  - GROUNDWATER TABLE NOT ENCOUNTERED
- NOTE:  
THE LOCATIONS OF THE BORINGS DENOTED WITH AN ASTERISK (\*) WERE PROVIDED BY THE PROJECT SURVEYOR. THE REMAINING BORING LOCATIONS WERE ESTIMATED USING GPS COORDINATES OBTAINED IN THE FIELD WITH A HAND-HELD, NON-SURVEY GRADE GARMIN ETREX® DEVICE WITH A REPORTED ACCURACY OF ± 10 FEET.



NO.	REVISIONS	DATE	BY	NOTE	AS NOTED
					SW
					SW
					DN

**TERRA**  
7355 Tampa Terrace Highway  
Tampa, Florida 33637  
Phone: 813-988-1234 Fax: 813-988-1235  
FL Cert. No. 4444

DATE	AUG. 2020
PROJECT NO.	60300560



DESIGN ENGINEER  
JOSEPH R. ANTUNOZI, P.E.  
FL LICENSE NO. 73176

HONORE AVENUE AT COOPER CREEK  
BOULEVARD  
SOIL PROFILES (1)

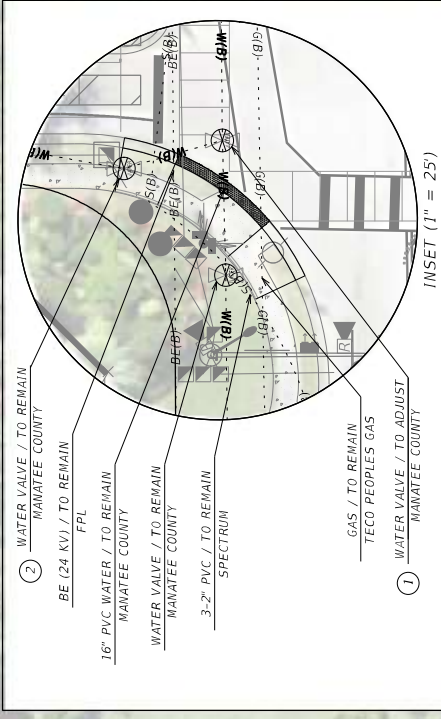
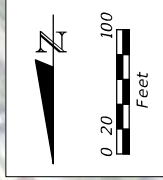
SHEET NO. 20



MATCHLINE (SEE SHEET U-2)

NO.	REVISIONS	DATE	BY	AS NOTED	BY
USER: RECARR48					
 ATKINS NORTH AMERICA, INC. 482 SOUTH WELLS RD., SUITE 100, FT. LAUDERDALE, FL 33309 (407) 847-7275		DATE NOVEMBER 18, 2020 PROJECT NO. 60800560	 PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES FL 3408 1022 26th AVENUE EAST MAVATEE COUNTY, FL 32060	DESIGN ENGINEER MATYAN J. MOZELESKI, P.E. FL LICENSE NO. 83308	SHEET NO. U-1
<b>UTILITY ADJUSTMENTS (1)</b>					
USER: RECARR48      11/17/2020 12:55:42 PM Default      PROJECT ID NO: U11515LANU001489					

MATCHLINE (SEE SHEET U-3)

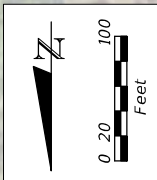


- CONSTRUCTION NOTES:
- 1 EX. GATE VALVE (MANATEE COUNTY) TO BE ADJUSTED TO FINAL ROAD GRADE AND REMAIN ACCESSIBLE.
  - 2 EX. GATE VALVE (MANATEE COUNTY) TO BE ADJUSTED TO FINAL RAMP GRADE AND REMAIN ACCESSIBLE.

MATCHLINE (SEE SHEET U-1)

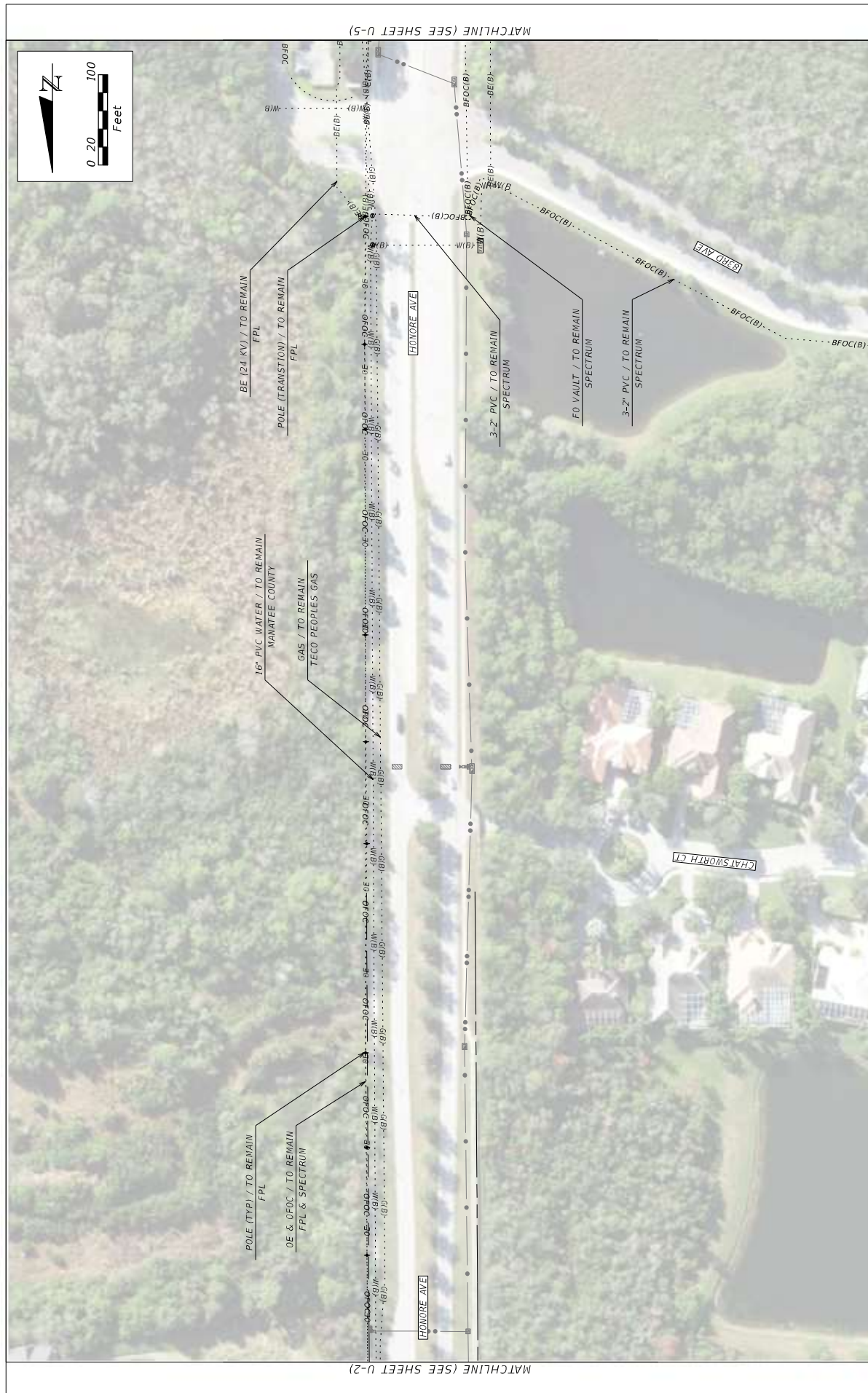
MATCHLINE (SEE SHEET U-4)

NO.	DATE	BY	REVISIONS	AS NOTED	AS NOTED	AS NOTED	AS NOTED	
				BY	BY	BY	BY	
				JR	JR	JR	JR	
				PJM	PJM	PJM	PJM	
USER: REC4848				DATE: 11/17/2020 10:50:00 PM				Default
ATKINS				ATKINS NORTH AMERICA, INC. 482 SOUTH WELLS RD., SUITE 100, FT. LAUDERDALE, FL 33310 (407) 847-7275				PROJECT NO. 60800560
PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES, FL 3408 1022 26th Avenue, Manatee County, FL 34461				DESIGN ENGINEER NATHAN J. MOZELESKI, P.E. FL LICENSE NO. 83308				DATE NOVEMBER 18, 2020
UTILITY ADJUSTMENTS (2)				SHEET NO. U-2				PROJECT ID MANUTRIS\PLAN\U02.dgn



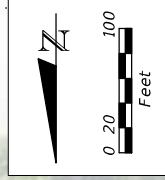
MATCHLINE (SEE SHEET U-2)

NO.	REVISIONS	DATE	BY	AS NOTED	BY
		DATE	BY	AS NOTED	BY
USER: RECARR48					
 ATKINS NORTH AMERICA, INC. 482 SOUTH WELLS BOULEVARD, FL 32810 (407) 847-7275		 PUBLIC WORKS DEPARTMENT ENGINEERING SERVICES FL 3408 1022 26th AVENUE EAST MANATEE COUNTY, FL 34460	DESIGN ENGINEER MATTHEW J. MOZELESKI, P.E. FL LICENSE NO. 83308	UTILITY ADJUSTMENTS (3)	SHEET NO. U-3
PROJECT ID NO: \JNIS\PLAN\U03.dgn PROJECT: Manatee County\U0071612 - Honorc Ave at Cooper Creek\U- Design\va - CAD\FDOT PROJECT ID NO: \JNIS\PLAN\U03.dgn					




NO.	REVISIONS	DATE	BY	AS NOTED	BY	
USER: RECARR48						
<p><b>ATKINS</b>                  ATKINS NORTH FLORIDA, INC.                  482 SOUTH WELLS RD., SUITE 100, FT. LAUDERDALE, FL 33810                  (407) 847-7275</p>		<p>DATE: NOVEMBER 18, 2020                  PROJECT NO.: 6080560</p>	<p>DESIGN ENGINEER:                  NATHAN J. MOZELESKI, P.E.                  FL LICENSE NO.: 83308</p>	<p><b>Manatee County</b>                  PUBLIC WORKS DEPARTMENT                  ENGINEERING SERVICES, FL 3408                  1022 26th AVENUE, SUITE 200, MANATEE COUNTY, FL 34461</p>	<p><b>UTILITY ADJUSTMENTS (4)</b></p>	<p>SHEET NO.: U-4</p>





MATCHLINE (SEE SHEET U-4)

THIS OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

NO.	REVISIONS			DATE	BY	P/EN	AS NOTED	BY	DATE	 <b>PUBLIC WORKS DEPARTMENT</b> ENGINEERING SERVICES FL 3408 1022 26th AVENUE EAST MANATEE COUNTY, FL 34460	DESIGN ENGINEER MATTHEW J. NOZELESKI, P.E. FL LICENSE NO. 83308	<b>UTILITY ADJUSTMENTS (5)</b>	SHEET NO. U-5
<b>ATKINS</b> ATKINS NORTH AMERICA, INC. 482 SOUTH WELLS ROAD, SUITE 200, PALM HAVEN, FL 34810 (407) 847-7275											DATE NOVEMBER 18, 2020 PROJECT NO. 6080560		
USER: RECARR48 11/17/2020 12:56:18 PM Default													