

Site Plans

Issued for	100% Plans
Date Issued	May 15, 2020
Latest Issue	Sept. 28, 2021

Weeki Wachee River Restoration

Shoal Line Blvd. - E. Richard Dr.
Weeki Wachee, Florida



Sheet Index		
No.	Drawing Title	Latest Issue
C1.01 - C1.02	General Notes	September 28, 2021
C2.00	Overall Plan	September 28, 2021
C2.01 - C2.05	Aerial Plans	September 28, 2021
C2.06 - C2.08	Layout Plans	September 28, 2021
C3.01 - C3.10	Plan and Profile	September 28, 2021
C4.01 - C4.05	Cross Sections	September 28, 2021
C5.01	Dredge Material Treatment Disposal Area	September 28, 2021
C5.02	Dredge Material Piping Plan	September 28, 2021
C6.01 - C6.02	SWPPP & Erosion Control Details	September 28, 2021

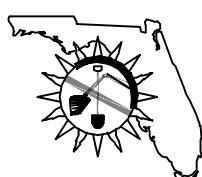


Owner & Applicant

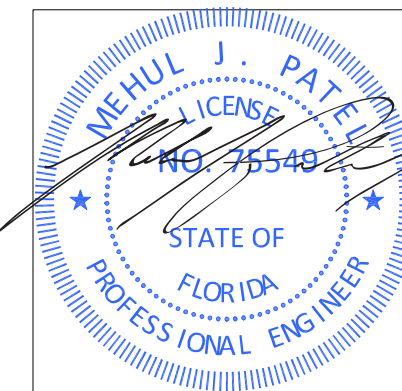
Southwest Florida Water Management District
2379 Broad Street
Brooksville, Florida 34604-6899

Project Information Website:

Watermatters.org/projects/springs/weeki-wachee-channel-restoration-project



48 HOURS BEFORE YOU DIG
CALL SUNSHINE
1-800-432-4770
IT'S THE LAW IN FLORIDA
FL. STATUE 553.851 (1979) REQUIRED
MIN. OF 2 DAYS AND MAX. OF 5 DAYS
NOTICE BEFORE YOU EXCAVATE



Mehul Patel, P.E.
Florida License No. 75549



501 E Kennedy Boulevard
Suite 1010
Tampa, FL 33602
813.327.5450
Certificate of Authorization
Number FL #3932



501 E Kennedy Boulevard
Suite 1010
Tampa, FL 33602
813.327.5450
Certificate of Authorization
Number FL #3932

Notes

General Construction

1. THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION) AND THE COUNTY (HERNANDO COUNTY FACILITY DESIGN , STATE AND FEDERAL SPECIFICATIONS AND STANDARDS, AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK, AND, UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, SPECIFICATIONS AND REQUIREMENTS.
3. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. A LIST OF THE UTILITY COMPANIES WHICH THE CONTRACTOR MUST CALL BEFORE COMMENCING WORK IS PROVIDED ON SHEET C1.02 OF THESE CONSTRUCTION PLANS. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR MAY WISH TO NOTIFY.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.
6. THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
7. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER.
8. ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND DESIGN ENGINEER OF RECORD DIRECTLY FROM THE TESTING AGENCY.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A CERTIFIED RECORD SURVEY SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA DEPICTING THE ACTUAL FIELD LOCATION OF ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTORS RESPONSIBILITY.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE ENGAGED BY THE CONTRACTOR.
11. ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED.
12. ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO COMPLETION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH CONSTRUCTION RELIEVES OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.
14. WHERE EXCAVATIONS ARE IN CLOSE PROXIMITY OF TREES, THE CONTRACTOR SHALL USE EXTREME CARE IN NOT DAMAGING THE ROOT SYSTEM. NO EQUIPMENT, SUPPLIES OR VEHICLES SHALL BE STORED OR PARKED WITHIN THE DRIP LINE OF TREES TO REMAIN AND BE PRESERVED. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ALL OF HIS EMPLOYEES AND SUBCONTRACTORS OF THIS REQUIREMENT AND TO ENFORCE THE SAME.
15. LAY SOD AROUND LAKE SLOPES AND DREDGE MATERIAL TREATMENT AREA BERM SLOPES, AND AS DIRECTED BY THE ENGINEER FOR ANY AREAS DISTURBED BY CONSTRUCTION. ALL PROPOSED GROUND ELEVATIONS ARE FINISHED SOD ELEVATIONS. FINISH EARTHWORK GRADING WILL BE 0.2 FEET BELOW ELEVATIONS SHOWN TO ALLOW FOR SOD THICKNESS. SODDING INCLUDES MAINTAINING SLOPES AND SOD UNTIL COMPLETION AND ACCEPTANCE OF TOTAL PROJECT OR GROWTH IS ESTABLISHED WHICHEVER COMES LAST. ALL EROSION SILTATION AND MAINTAINING GRADES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THEN.
16. IN THE EVENT THAT THE CONSTRUCTION SITE IS ABANDONED PRIOR TO THE PROJECT COMPLETION, ALL CONSTRUCTION AND VEGETATIVE DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED LANDFILL FACILITY.
17. THE SITE CONSTRUCTION STAKEOUT SHALL BE PERFORMED UNDER THE DIRECTION OF A FLORIDA REGISTERED SURVEYOR. AUTOCAD FILES WILL BE FURNISHED TO AID IN THE SITE CONSTRUCTION STAKEOUT. ANY DISCREPANCIES FOUND BETWEEN THE AUTOCAD FILES AND SITE CONSTRUCTION PLANS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR CLARIFICATION PRIOR TO STAKEOUT.
18. FLUSH TRUCK BODIES AND TAIL GATES FOLLOWING DISPOSAL OF DREDGE MATERIAL AT DECANT AREA.
19. THE BARGE SHALL BE SURROUNDED WITH TURBIDITY CURTAIN DURING DREDGING OPERATIONS.
20. NO CONSOLIDATED ROCK SUBSTRATE WILL BE DREDGED.
21. DREDGING ACTIVITY WILL OBSERVE A 10' BUFFER FROM ALL DOCKS, SEAWALLS, STRUCTURES AND SHORELINES AND A 30' BUFFER FROM THE SHOAL LINE BOULEVARD BRIDGE RIPRAP.
22. DREDGING ACTIVITY WILL BE CONDUCTED IN DESIGNATED AREAS ONLY AND IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
23. ELEVATIONS SHOWN ON THE PLANS HAVE BEEN ADJUSTED TO THE MEAN LOW WATER (MLW) LEVEL AS DETERMINED BY THE NOTICE OF TIDAL WATER SURVEY FILING (NO. 7122). REFER TO SURVEY NOTES ON SHEET C1.02.

Paving, Grading and Drainage

1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN THE PROJECT LIMITS SHALL BE IN ACCORDANCE WITH HERNANDO COUNTY STANDARDS (FACILITY DESIGN GUIDELINES). IF NOT COVERED BY HERNANDO COUNTY STANDRADRS, THEN FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) REGULATIONS SHALL APPLY.
2. THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS.
3. IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY EXCAVATION.
4. STRIP TOPSOIL AND ORGANIC MATTER FROM ALL AREAS OF THE SITE AS REQUIRED. IN SOME CASES TOPSOIL MAY BE STOCKPILED ON SITE FOR PLACEMENT WITHIN LANDSCAPED AREAS BUT ONLY AS DIRECTED BY THE OWNER.
5. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO FDOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
6. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED AS PER PLANS.
7. ALL CUT OR FILL SLOPES SHALL BE 4 (HORIZONTAL) :1 (VERTICAL) OR FLATTER FOR SITE WORK UNLESS OTHERWISE SHOWN. REFER TO PLANS FOR DREDGE CUT SLOPES.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
9. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING WATER BODY EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED IN EFFECTIVE CONDITION AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THEREAFTER, THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS IN CHAPTER 17-302, FLORIDA ADMINISTRATIVE CODE.
10. SOD, WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES.
11. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY REGULATORY REPRESENTATIVES.

Maintenance

ALL MEASURES STATED ON THE EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION.
2. ALL SEEDED/SODDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE WATERED AND RESEEDED/RESODDED AS NEEDED. FOR PERFORMANCE TURF REQUIREMENTS REFER TO SECTION 570 OF THE STANDARD SPECIFICATIONS.
3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE.
4. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.
6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 55 CUBIC YARDS / ACRE (THIS DOES NOT APPLY TO THE DREDGE MATERIAL TREATMENT AREA).
7. ALL MAINTENANCE OPERATIONS SHALL BE DONE IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 CALENDAR DAYS FOLLOWING THE INSPECTION.

Erosion Control

1. THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THIS EROSION CONTROL PLAN, THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN SPECIFICATIONS OF THE SWPPP, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
2. ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
3. THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
4. BEST MANAGEMENT PRACTICES (BMPs) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS NEED TO COMPLY WITH PERMITS, SPECIFICATIONS, AND ENVIRONMENTAL REGULATIONS.
5. EROSION CONTROL PLAN MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS OR REGULATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
7. CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
8. ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
9. SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
11. RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
12. STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED PRIOR TO COMMENCING WORK.
13. STABILIZATION PRACTICES SHOULD BE INITIATED AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS WHERE CONSTRUCTION HAS TEMPORARILY CEASED.
14. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED/SODDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED IN THESE AREAS. REFER TO SECTION 570 OF THE STANDARD SPECIFICATIONS FOR PERFORMANCE TURF REQUIREMENTS.
15. IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
16. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED AS SOON AS POSSIBLE.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT IN A STORMWATER POND AND ANY SEDIMENT THAT MAY HAVE COLLECTED IN THE STORM SEWER DRAINAGE SYSTEMS IN CONJUNCTION WITH THE STABILIZATION OF THE SITE.
18. ON-SITE AND OFF SITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL PLAN AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
19. SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION. SLOPES SHALL BE COVERED WITH PERFORMANCE TURF (SECTION 570) ONCE THE GRADING PHASE HAS ENDED.
20. DUE TO GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.
21. ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACK FILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

Demolition

1. ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
2. THE CONTRACTOR SHALL NOT REMOVE ANY STRUCTURES, DOCKS, SEAWALLS WITHIN THE PROJECT LIMITS, UNLESS SHOWN ON THE PLANS. IF THE PLANS ARE UNCLEAR REGARDING REMOVAL OR DEMOLITION, THEN IT IS CONTRACTORS RESPONSIBILITY TO IMMEDIATELY COORDINATE WITH THE OWNER AND ENGINEER FOR CLARIFICATION PRIOR TO BEGINNING THESE ACTIVITIES.
3. THE CONTRACTOR SHALL REFER TO THE PLANS FOR GENERAL AREA DEMOLITION OF EXISTING TREES. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND ENGINEER PRIOR TO ANY REMOVAL ACTIVITIES. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO ANY DEMOLITION.
4. A PRE-CONSTRUCTION TREE REMOVAL MEETING WITH THE OWNER AND ENGINEER SHALL BE HELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION TO DETERMINE THE LIMITS OF TREE REMOVAL IN THE GENERAL REMOVAL AREAS SHOWN ON THE PLANS.
5. TREE REMOVAL AND PROTECTION PERMIT WILL BE REQUIRED PRIOR TO ANY CONSTRUCTION, CLEARING OR TREE REMOVAL.

Geotechnical

1. A GEOTECHNICAL REPORT TITLED "SEDIMENT AND SAMPLES FROM WEEKI WACHEE RIVER AND ADJACENT CANALS" WAS PERFORMED BY ARDAMAN & ASSOCIATES, INC. DATED JANUARY 11, 2019. THE REPORT IS PROVIDED FOR DOWNLOAD, SEE RFB TABLE OF CONTENTS.

Weeki Wachee River
Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Appr'd.
1	SWPWMd Comments	08/02/19	GMS
2	SWPWMd Comments	11/30/19	GMS
3	SWPWMd Comments	01/30/20	GMS
4	SWPWMd Comments	09/28/21	GMS

Designed by	Checked by
Issued for	Date

100% Plans

May 15, 2020

Drawing Title
General Notes

C1.01

Sheet of

Project Number

66277.01

Mehul Patel, P.E.
Florida License No. 75549

Utility Agency/Owner

HERNANDO COUNTY UTILITIES DEPARTMENT
ALLEN TURNER
352-540-6219
15365 CORTEZ BLVD
BROOKSVILLE, FL 34601

AT & T/ DISTRIBUTION
DINO FARRUGGIO
561-997-0240
1120 S ROGERS CIR
BOCA RATON, FL 33487

WITHLACOOCHEE RIVER ELECTRIC COOPERATIVE
DON TAULBEE
352-596-4000 Ext: 3139
10005 CORTEZ BLVD.
WEEKI WACHEE, FL 34613

Notes

Dredge Construction

1. ALL WORK WILL BE COMPLETED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
2. ALL WORK WILL BE COMPLETED WITHIN DESIGNATED DREDGE AREAS AND TO DESIGNATED DREDGE DEPTHS.
3. SURVEY AND MAPPING REPRESENTED ON THE PLANS WERE PERFORMED IN 2018 AND 2019. CHANGES TO THE CHANNEL SECTIONS AND SUBMERGED AQUATIC VEGETATION (SAV) HAVE LIKELY OCCURRED. CONTRACTOR IS RESPONSIBLE FOR SEDIMENT MATERIAL REMOVAL FOR ALL POTENTIAL DREDGING AREAS SHOWN ON THE PLANS AS THE PROPOSED DREDGING AREAS AND THE BOTTOM EDGE OF CHANNEL FOR POTENTIAL DREDGING AREA. THE CONTRACTOR WILL MAINTAIN 4:1 SLOPES FROM THE EDGE OF THE CHANNEL BOTTOM FOR DREDGING OF UNSHADED AREA, EXCEPT WHERE STRUCTURES SUCH AS DOCKS OR SEAWALLS, OR SHORELINES PREVENT THE IDENTIFIED 10-FOOT SETBACK.
4. WORKING HOURS WILL GENERALLY BE CONSIDERED AS BEING 30 MINUTES FOLLOWING SUNRISE TO 30 MINUTES BEFORE SUNSET, MONDAY THROUGH FRIDAY.
5. THE CONTRACTOR SHALL STRICTLY ADHERE TO ALL MANATEE REGULATIONS AND CONSTRUCTION CONDITIONS.
6. THE CONTRACTOR WILL OBSERVE A TEN (10) FOOT BUFFER AROUND ALL DOCKS, SEAWALLS, STRUCTURES AND A THIRTY (30') FOOT BUFFER FROM THE SHOAL LINE BOULEVARD BRIDGE RIPRAP.
7. AREAS OUTSIDE DREDGE LIMITS WHERE NATURAL RESOURCES (SUBMERGED AQUATIC VEGETATION, OYSTERS, ETC.) ARE PRESENT, ARE TO BE PROTECTED WITH TURBIDITY BARRIERS WHEN DREDGING ADJACENT AREAS.
8. TURBIDITY CONTROL MEASURES WILL BE PROPERLY MAINTAINED IN COMPLIANCE WITH FEDERAL AND STATE WATER QUALITY STANDARDS. IF TURBIDITY LEVELS EXCEED WATER QUALITY STANDARDS, DREDGING ACTIVITY WILL CEASE UNTIL LEVELS RETURN TO THE ACCEPTABLE RANGE.
9. IF TURBIDITY VIOLATIONS OCCUR AT THE DISCHARGE/RETURN WATER LOCATION OF THE DISPOSAL SITE, THE CONTRACTOR SHALL BE PREPARED TO UTILIZE POLYMERS TO REDUCE TURBIDITY TO AN ACCEPTABLE LEVEL.
10. THE CONTRACTOR WILL OPERATE IN A MANNER THAT WILL CAUSE THE LEAST IMPACT TO WATERWAY NAVIGATION AND ACCOMMODATE LOCAL TRAFFIC WITHIN REASON. HALF OF THE CHANNEL WIDTH SHALL REMAIN NAVIGABLE AT ALL TIMES AND SHALL NOT BE IMPEDED BY THE CONTRACTOR'S EQUIPMENT, APPURTENANCES OR VESSELS.
11. DREDGE BARGES, PIPELINES, CABLES, BUOYS, ETC. WILL BE REMOVED FROM THE CHANNEL AT THE COMPLETION OF EACH DAY'S WORK OR HAVE WORKING MARKING /ANCHOR LIGHTS TO WARN VESSELS OF THEIR LOCATION.
12. DAMAGE TO ANY PROPERTY, UTILITIES, STRUCTURES OR NATURAL RESOURCES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR IN A TIMELY MANNER AT THE CONTRACTOR'S EXPENSE.
13. DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRED IN THESE AREAS. REFER TO SECTION 570 OF THE STANDARD SPECIFICATIONS FOR PERFORMANCE TURF REQUIREMENTS.

Standard Manatee Construction Conditions

1. ALL PERSONNEL ASSOCIATED WITH THE PROJECT SHALL BE INSTRUCTED ABOUT THE PRESENCE OF MANATEES AND MANATEE SPEED ZONES, AND THE NEED TO AVOID COLLISIONS WITH AND INJURY TO MANATEES. THE PERMITTEE SHALL ADVISE ALL CONSTRUCTION PERSONNEL THAT THERE ARE CIVIL AND CRIMINAL PENALTIES FOR HARMING, HARASSING, OR KILLING MANATEES WHICH ARE PROTECTED UNDER THE MARINE MAMMAL PROTECTION ACT, THE ENDANGERED SPECIES ACT, AND THE FLORIDA MANATEE SANCTUARY ACT. ADDITIONAL MANATEE CONSTRUCTION REQUIREMENTS ARE LISTED IN US ARMY CORPS OF ENGINEERS PERMIT NO. SAJ-2019-01203 (NW-JLC) AND FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION PERMIT NO. 27-379440-001-EG, AND IN SECTION 01531 OF THE SPECIFICATIONS.
2. ALL VESSELS ASSOCIATED WITH THE CONSTRUCTION PROJECT SHALL OPERATE AT "IDLE SPEED/NO WAKE" AT ALL TIMES WHILE IN THE IMMEDIATE AREA AND WHILE IN WATER WHERE THE DRAFT OF THE VESSEL PROVIDES LESS THAN A FOUR-FOOT CLEARANCE FROM THE BOTTOM. ALL VESSELS WILL FOLLOW ROUTES OF DEEP WATER WHENEVER POSSIBLE.
3. SILTATION OR TURBIDITY BARRIERS SHALL BE MADE OF MATERIAL IN WHICH MANATEES CANNOT BECOME ENTANGLED, SHALL BE PROPERLY SECURED, AND SHALL BE REGULARLY MONITORED TO AVOID MANATEE ENTANGLEMENT OR ENTRAPMENT. BARRIERS MUST NOT IMPEDE MANATEE MOVEMENT.
4. ALL ON-SITE PROJECT PERSONNEL ARE RESPONSIBLE FOR OBSERVING WATER-RELATED ACTIVITIES FOR THE PRESENCE OF MANATEE(S). ALL IN-WATER OPERATIONS, INCLUDING VESSELS, MUST BE SHUTDOWN IF A MANATEE(S) COMES WITHIN 50 FEET OF THE OPERATION. ACTIVITIES WILL NOT RESUME UNTIL THE MANATEE(S) HAS MOVED BEYOND THE 50-FOOT RADIUS OF THE PROJECT OPERATION, OR UNTIL 30 MINUTES ELAPSES IF THE MANATEE(S) HAS NOT REAPPEARED WITHIN 50 FEET OF THE OPERATION. ANIMALS MUST NOT BE HERDED AWAY OR HARASSED INTO LEAVING.
5. ANY COLLISION WITH OR INJURY TO A MANATEE SHALL BE REPORTED IMMEDIATELY TO THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC) HOTLINE AT 1-888-404-3922. COLLISION AND/OR INJURY SHOULD ALSO BE REPORTED TO THE U.S. FISH AND WILDLIFE SERVICE IN JACKSONVILLE (1-904-731-3339) FOR NORTH FLORIDA OR VERO BEACH (1-772-562-5909) FOR SOUTH FLORIDA, AND TO FWC AT IMPERILEDSPECIES@MYFWC.COM
6. TEMPORARY SIGNS CONCERNING MANATEES SHALL BE POSTED PRIOR TO AND DURING ALL IN-WATER PROJECT ACTIVITIES. ALL SIGNS ARE TO BE REMOVED BY THE PERMITTEE UPON COMPLETION OF THE PROJECT. TEMPORARY SIGNS THAT HAVE ALREADY BEEN APPROVED FOR THIS USE BY THE FWC MUST BE USED. ONE SIGN WHICH READS CAUTION, BOATERS MUST BE POSTED. A SECOND SIGN MEASURING AT LEAST 8 1/2" BY 11" EXPLAINING THE REQUIREMENTS FOR "IDLE SPEED/NO WAKE" AND THE SHUT DOWN OF IN-WATER OPERATIONS MUST BE POSTED IN A LOCATION PROMINENTLY VISIBLE TO ALL PERSONNEL ENGAGED IN WATER-RELATED ACTIVITIES. THESE SIGNS CAN BE VIEWED AT MYFWC.COM/MANATEE. QUESTIONS CONCERNING THESE SIGNS CAN BE SENT TO THE EMAIL ADDRESS LISTED ABOVE.
7. THE PROJECT IS LOCATED WITHIN A DESIGNATED IMPORTANT MANATEE AREA. AS SUCH, THE CONTRACTOR WILL NEED TO EMPLOY A FULL-TIME, DEDICATED MANATEE OBSERVER DURING ALL IN-WATER WORK.

Survey Notes

1. THIS IS A TOPOGRAPHIC SURVEY AS DEFINED WITHIN FLORIDA'S ADMINISTRATIVE CODE, CHAPTER 5J-17.050.
2. THE TOPOGRAPHIC SURVEY FOR THIS PROJECT INCLUDES SURVEY PERFORMED BY VHB BETWEEN THE DATES OF MAY 10, 2018 AND OCTOBER 9, 2018, AND SURVEY PERFORMED BY SWFWMD BETWEEN THE DATES OF MAY 13, 2019 AND MAY, 16, 2019.
3. THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER LISTED BELOW.
4. NO UNDERGROUND UTILITIES, OR FOUNDATIONS HAVE BEEN LOCATED, EXCEPT FOR THE VISIBLE EDGE OF SEA WALL FOOTINGS.
5. ELEVATIONS SHOWN HEREON ARE BASED WITHIN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). SEVEN MAIN CONTROL POINTS WERE ESTABLISHED ALONG THE RIVER CORRIDOR. CLOSED LOOP LEVEL RUNS WERE RUN TO EACH OF THE MAIN CONTROL POINTS FROM VARIOUS NATIONAL GEODETIC SURVEY (NGS) MONUMENTS. THE COMBINED LEVEL OF ACCURACY FOR EACH LEVEL RUN RELATES TO SECOND-ORDER CLASS II, AS BASED ON LOOP MISCLCURES, WITH AN ALLOWABLE TOLERANCE OF 8MM, PER THE FEDERAL GEODETIC CONTROL COMMITTEE. STANDARDS AND SPECIFICATIONS FOR GEODETIC CONTROL NETWORKS. SEE THE TWA NO. 18TW0001159 WEEKI WACHEE RIVER CHANNEL RESTORATION SURVEYORS REPORT FOR A FULL DESCRIPTION OF THE PROCESS. THE FOLLOWING CONTROL POINTS WERE USED TO ESTABLISH THE VERTICAL DATUM FOR THE PROJECT:

PID - AL7730 A CONCRETE MONUMENT WITH A FLORIDA DEPARTMENT OF NATURAL RESOURCES DISC
STAMPED: "HERN 4H 1982 85M"
ELEVATION = 40.37'

PID - DN5951 AN ALUMINUM ROD WITH A SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT DISC
STAMPED: "20893 B 2011"
ELEVATION = 15.53'

PID - DM3628 A STAINLESS STEEL ROD INSIDE A NATIONAL GEODETIC SURVEY SLEEVE CAP
STAMPED: "X 685 2007"
ELEVATION = 7.04'

PID - DN5925 A FLORIDA DEPARTMENT OF TRANSPORTATION DISC SET IN A CONCRETE BRIDGE WALL
STAMPED: "P 750"
ELEVATION = 15.98'
6. THE DISPLAYED GRAPHICS ARE BASED WITHIN THE NORTH AMERICAN DATUM OF 1983, 2011 ADJUSTMENT (NAD83/2011), PROJECTED TO FLORIDA'S STATE PLANE COORDINATE SYSTEM, WEST ZONE. CONTROL MONUMENTS WERE ESTABLISHED ALONG THE CORRIDOR AND A STATIC G.N.S.S. NETWORK WAS PERFORMED HOLDING SURROUNDING NGS MONUMENTS. PER THE FEDERAL GEOGRAPHIC DATA COMMITTEE, STANDARDS FOR GEODETIC NETWORKS, THE CONTROL NETWORK IS LESS THAN OR EQUAL TO THE 1-CENTIMETER ACCURACY CLASSIFICATION AT 95% CONFIDENCE LEVEL. SEE THE TWA NO. 18TW0001159 WEEKI WACHEE RIVER CHANNEL RESTORATION SURVEYORS REPORT FOR A FULL DESCRIPTION OF THE PROCESS. THE FOLLOWING CONTROL POINTS WERE USED TO ESTABLISH THE HORIZONTAL DATUM FOR THE PROJECT:

PID - AA8018 AN ALUMINUM DISC WITHIN A SLEEVE
STAMPED: DC JOHNSTON & ASSOC SURVEY MONUMENT
PID - AA8019 AN ALUMINUM DISC IN A CONCRETE MONUMENT
STAMPED: HOLLIN LP2000 1993
PID - AL7330 A FLORIDA DEPARTMENT OF NATURAL RESOURCES DISC WITHIN A SLEEVE
STAMPED: CR 58 1977 CLB
7. A VEGETATION SURVEY WAS PERFORMED BY VHB BETWEEN MAY 2018 AND MAY 2019.
8. IN CONJUNCTION WITH THE TOPOGRAPHIC SURVEY A MEAN HIGH WATER LINE STUDY WAS PERFORMED AND WAS APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (NOTICE OF TIDAL WATER SURVEY FILING NO. 7122). THIS SURVEY WAS ESTABLISHED UTILIZING THE AMPLITUDE RATIO METHOD, UTILIZING THE TIDE CONTROL STATION 872-7151 AND IS BASED ON THE 1983-2001 NATIONAL TIDAL DATUM EPOCH. THE MEAN HIGH WATER STUDY RESULTED IN A PUBLISHED: MEAN HIGH WATER ELEVATION OF 0.96' AND A PUBLISHED MEAN LOW WATER ELEVATION OF -1.36'. ELEVATIONS ARE RELATIVE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
9. THE MEAN HIGH WATER LINE SURVEY WAS PERFORMED BETWEEN AUGUST 27-29 OF 2018.



501 E Kennedy Boulevard
Suite 1010
Tampa, FL 33602
813.327.5450
Certificate of Authorization
Number FL #3932

Weeki Wachee River
Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Apprvd.
1	SWPWMd Comments	08/02/19	GMS
2	SWPWMd Comments	11/30/19	GMS
3	SWPWMd Comments	01/30/20	GMS
4	SWPWMd Comments	09/28/21	GMS

Designed by	Checked by
Issued for	Date
100% Plans	May 15, 2020

Drawing Title

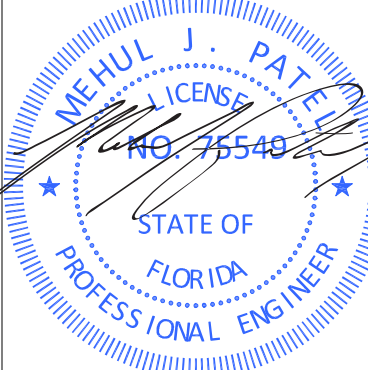
General Notes

Drawing Number

C1.02

Sheet

of

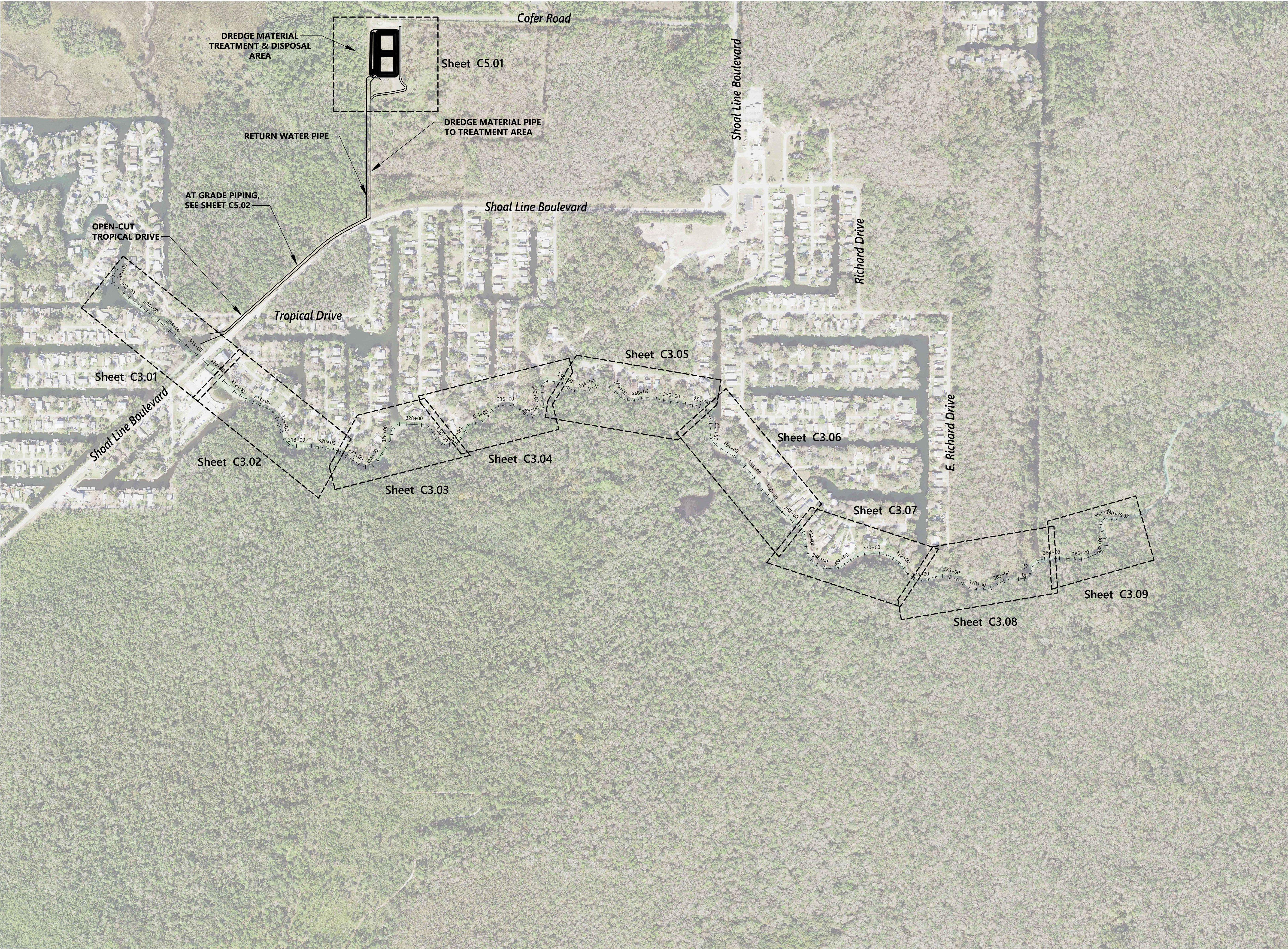


Mehul Patel, P.E.
Florida License No. 75549

Project Number
66277.01



501 E Kennedy Boulevard
Suite 1010
Tampa, FL 33602
813.327.5450
Certificate of Authorization
Number FL #3932



Weeki Wachee River

Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Appvd.
1	SWP/MD Comments	08/02/19	GMS
2	SWP/MD Comments	11/30/19	GMS
3	SWP/MD Comments	01/30/20	GMS
4	SWP/MD Comments	09/28/21	GMS

Designed by	Checked by
Issued for	Date
100% Plans	May 15, 2020

Drawing Title
Overall Plan

Drawing Number
C2.00

Sheet _____ of _____

Project Number
66277.01

Mehul Patel, P.E.
Florida License No. 75549





vhb.com

501 E Kennedy Boulevard
Suite 1010
Tampa, FL 33602
813.327.5450
Certificate of Authorization
Number FL #3932



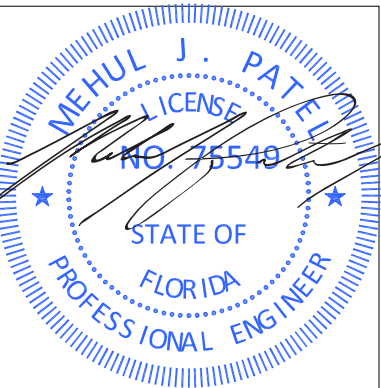
Weeki Wachee River
Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Appr'd.
1	SWFWMD Comments	08/02/19	GMS
2	SWFWMD Comments	11/30/19	GMS
3	SWFWMD Comments	01/30/20	GMS
4	SWFWMD Comments	09/28/21	GMS

Designed by	Checked by
Issued for	Date

100% Plans May 15, 2020

Drawing Title
Aerial Plan



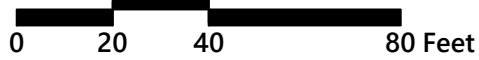
C2.01

Sheet _____ of _____

Project Number
66277.01



501 E Kennedy Boulevard
Suite 1010
Tampa, FL 33602
813.327.5450
Certificate of Authorization
Number FL #3932



Weeki Wachee River
Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Appvd.
1	SWPAMD Comments	08/02/19	GMS
2	SWPAMD Comments	11/30/19	GMS
3	SWPAMD Comments	01/30/20	GMS
4	SWPAMD Comments	09/28/21	GMS

Designed by	Checked by
Issued for	Date

100% Plans May 15, 2020

Drawing Title
Aerial Plan

Drawing Number
C2.02

Sheet of

Project Number
66277.01



Weeki Wachee River
Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Appvd.
1	SWP/MD Comments	08/02/19	GMS
2	SWP/MD Comments	11/30/19	GMS
3	SWP/MD Comments	01/30/20	GMS
4	SWP/MD Comments	09/28/21	GMS

Designed by: _____ Checked by: _____
Issued for: _____ Date: May 15, 2020

100% Plans

Aerial Plan

Drawing Number
C2.03
Sheet _____ of _____
Project Number
66277.01

Mehul Patel, P.E.
Florida License No. 75549



Weeki Wachee River

Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Appvd.
1	SWFWMD Comments	08/02/19	GMS
2	SWFWMD Comments	11/30/19	GMS
3	SWFWMD Comments	01/30/20	GMS
4	SWFWMD Comments	09/28/21	GMS

Designed by	Checked by
-------------	------------

Issued for	Date
100% Plans	May 15, 2020

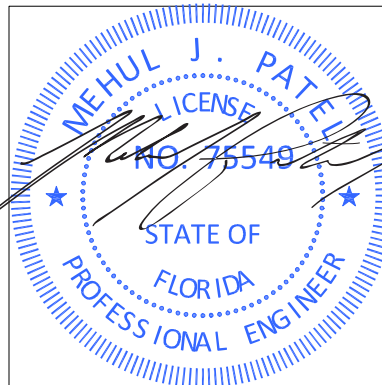
Drawing Title
Aerial Plan

Drawing Number
C2.04

Sheet of

Project Number
66277.01

Mehul Patel, P.E.
Florida License No. 75549





Weeki Wachee River

Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Appvd.
1	SWFWMD Comments	08/02/19	GMS
2	SWFWMD Comments	11/30/19	GMS
3	SWFWMD Comments	01/30/20	GMS
4	SWFWMD Comments	09/28/21	GMS

Designed by	Checked by
Issued for	Date

100% Plans May 15, 2020

Drawing Title
Aerial Plan

Drawing Number
C2.05

Sheet of

Project Number
66277.01

Mehul Patel, P.E.
Florida License No. 75549



501 E Kennedy Boulevard
Suite 1010
Tampa, FL 33602
813.327.5450
Certificate of Authorization
Number FL #3932

Notes

1. FOR CENTER LINE INFORMATION SEE SHEET C2.08

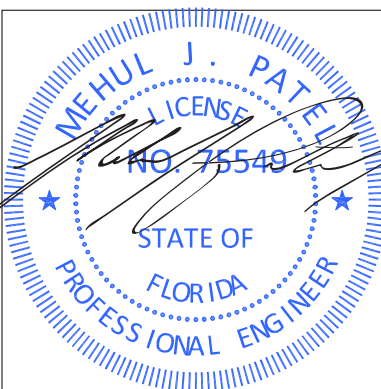


Weeki Wachee River
Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Appvd.
1	SWPWMD Comments	08/02/19	GMS
2	SWPWMD Comments	11/30/19	GMS
3	SWPWMD Comments	01/30/20	GMS
4	SWPWMD Comments	09/28/21	GMS

Designed by _____ Checked by _____
Issued for _____ Date _____
100% Plans May 15, 2020

Layout Plan

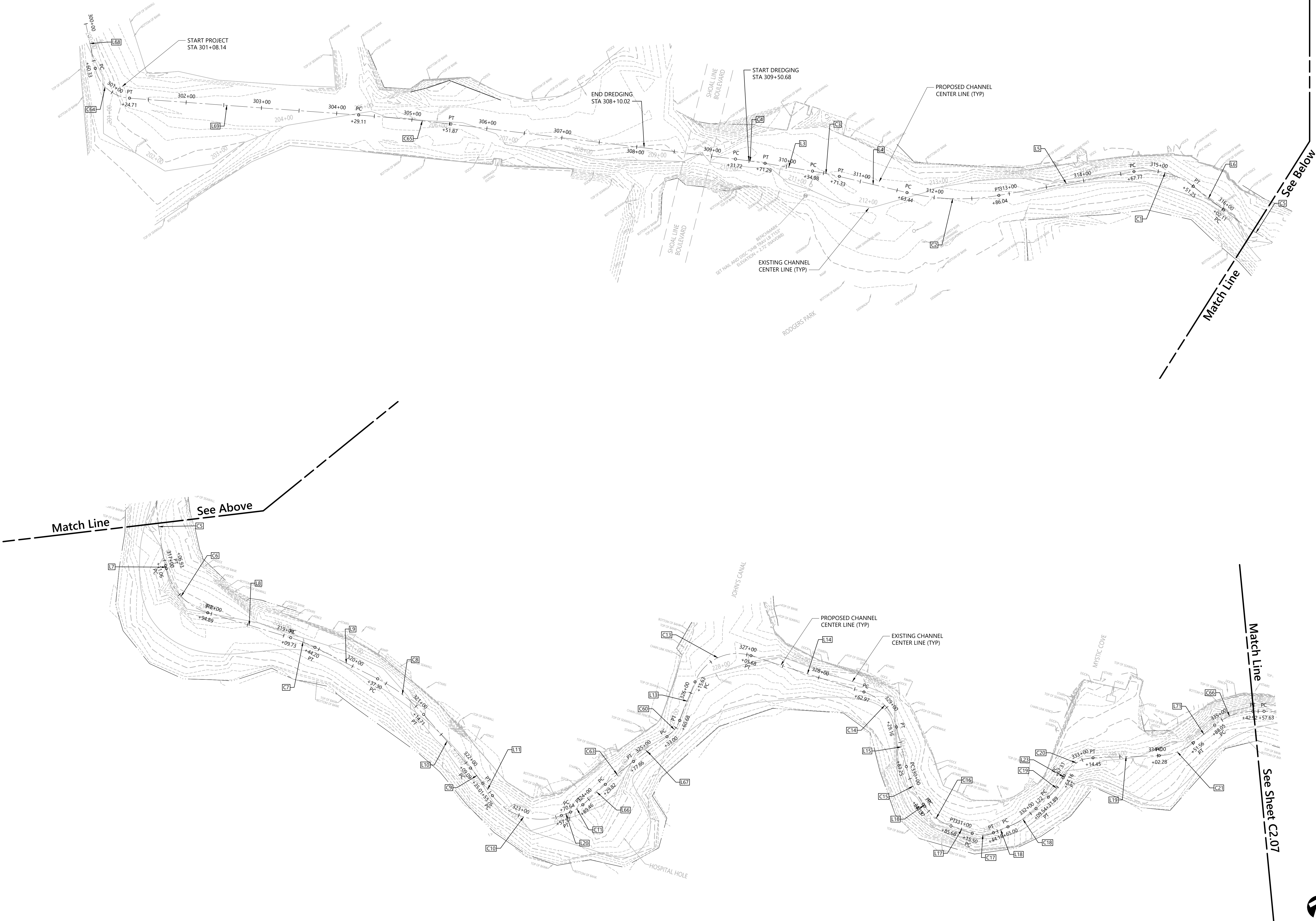


Drawing Number
C2.06

Sheet _____ of _____

Project Number
66277.01

Mehul Patel, P.E.
Florida License No. 75549

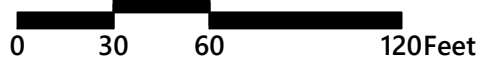
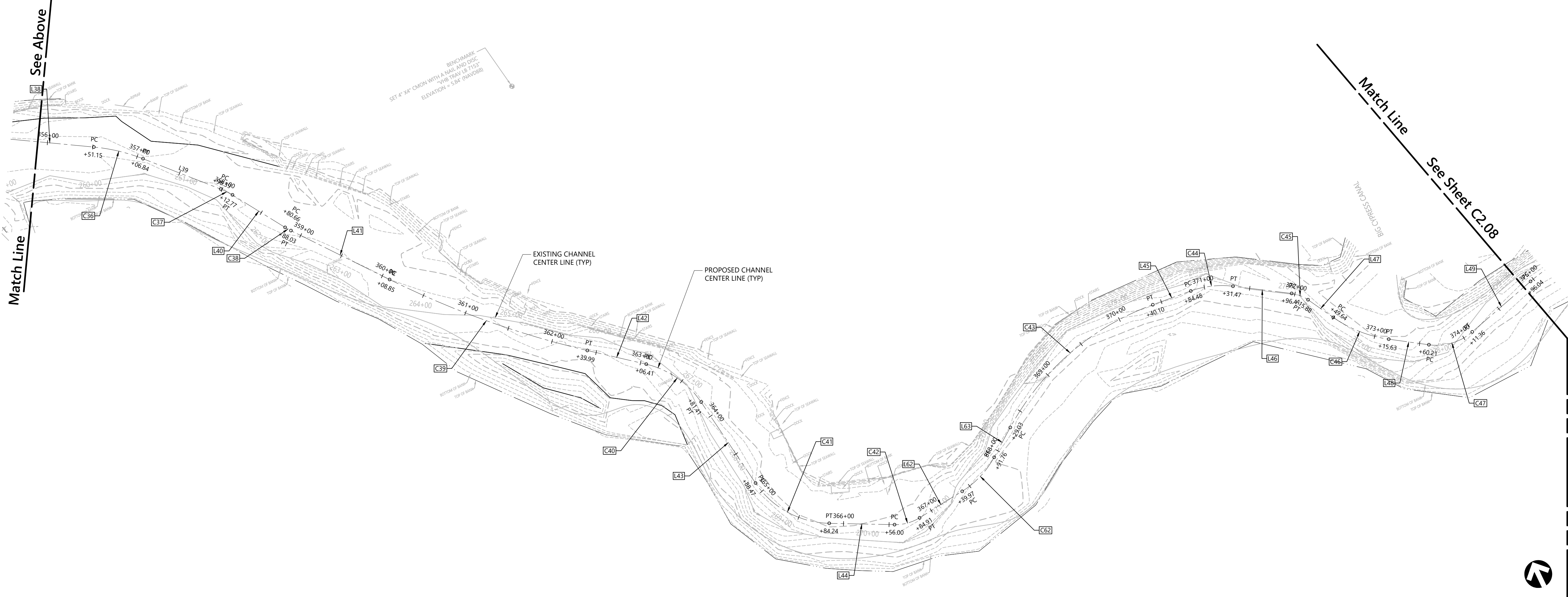
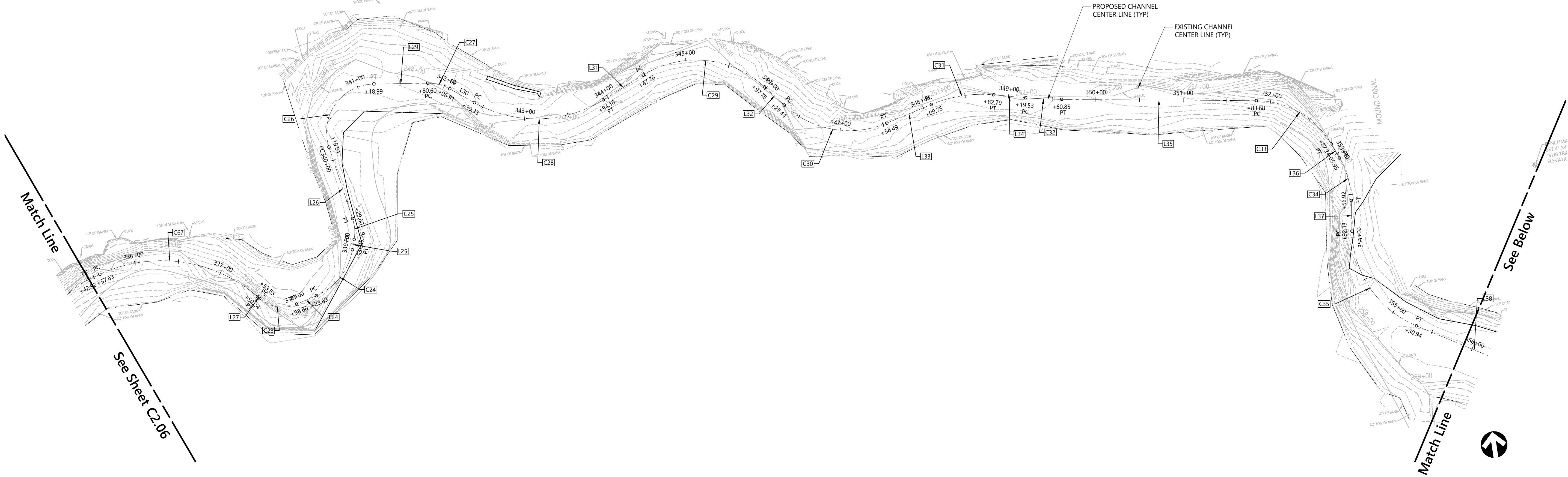




501 E Kennedy Boulevard
Suite 1010
Tampa, FL 33602
813.327.5450
Certificate of Authorization
Number FL #3932

Notes

1. FOR CENTER LINE INFORMATION SEE SHEET C2.08

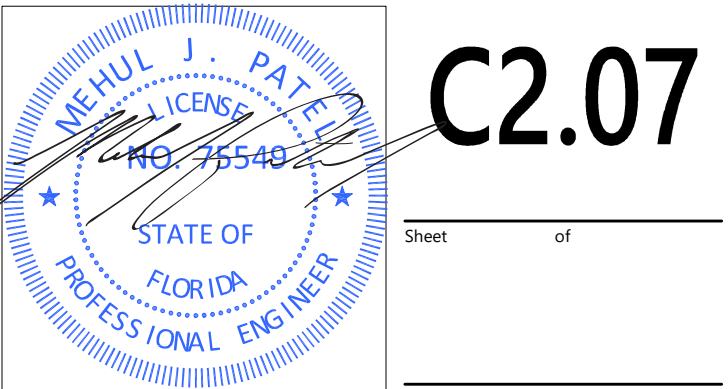


Weeki Wachee River
Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Appr'd.
1	SWFWMD Comments	08/02/19	GMS
2	SWFWMD Comments	11/30/19	GMS
3	SWFWMD Comments	01/30/20	GMS
4	SWFWMD Comments	09/28/21	GMS

Designed by _____ Checked by _____
Issued for _____ Date _____
100% Plans May 15, 2020

Drawing Title
Layout Plan

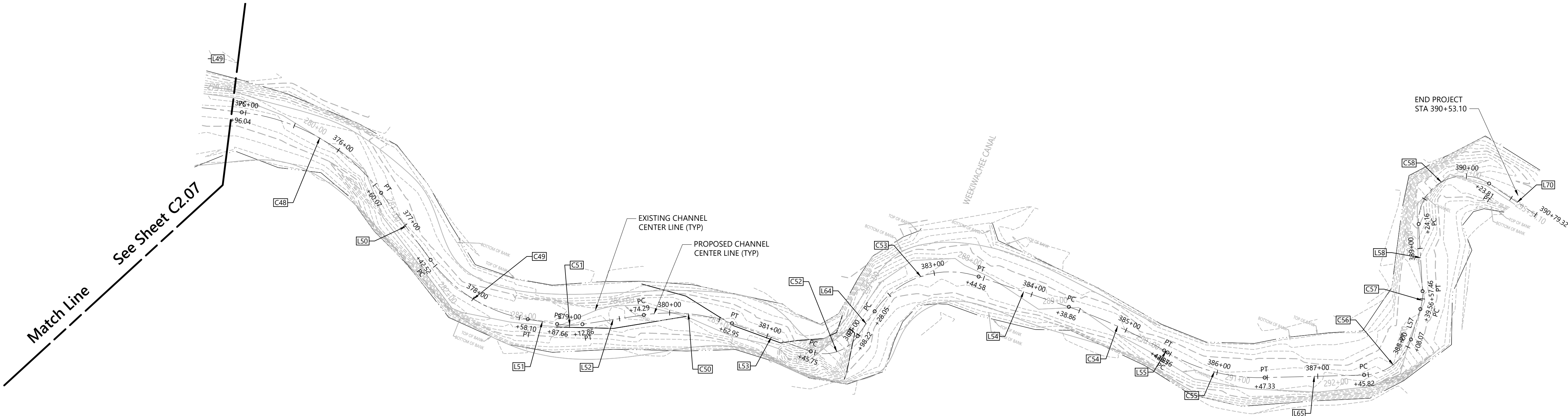


Drawing Number
C2.07

Sheet _____ of _____

Project Number
66277.01

Mehul Patel, P.E.
Florida License No. 75549



Alignment Line and Curve Data

No.	Delta	Radius	Length	Bearing	Ch. Dist.	Start Northing	Start Easting	End Northing	End Easting
L68			60.33'	S22°31'36"W		1527430.32	454216.49	1527374.59	454193.38
C64	073°46'20"	50.00'	64.38'	S14°21'34"E	60.02'	1527374.59	454193.38	1527316.44	454208.26
L69			304.40'	S51°14'44"E		1527316.44	454208.26	1527125.89	454445.64
C65	002°48'49"	2500.00'	122.76'	S49°50'20"E	122.75'	1527125.89	454445.64	1527046.73	454539.45
C4	002°16'01"	1000.00'	39.56'	S47°17'55"E	39.56'	1526794.69	454823.65	1526767.86	454852.72
L3			63.69'	S46°09'55"E		1526767.86	454852.72	1526723.75	454898.66
C3	004°09'55"	500.00'	36.35'	S44°04'57"E	36.34'	1526723.75	454898.66	1526697.65	454923.94
L4			92.11'	S42°00'00"E		1526697.65	454923.94	1526629.20	454985.58
C2	023°24'58"	300.00'	122.61'	S53°42'29"E	121.75'	1526629.20	454985.58	1526557.13	455083.71
L5			181.73'	S65°24'58"E		1526557.13	455083.71	1526481.52	455248.97
C1	047°49'49"	100.00'	83.48'	S41°30'03"E	81.08'	1526481.52	455248.97	1526420.80	455302.70
L6			50.86'	S17°35'08"E		1526420.80	455302.70	1526372.32	455318.06
C5	012°00'38"	500.00'	104.81'	S23°35'28"E	104.62'	1526372.32	455318.06	1526276.44	455359.93
L7			4.13'	S29°35'47"E		1526276.44	455359.93	1526272.85	455361.97
C6	060°02'13"	80.00'	83.83'	S59°36'53"E	80.04'	1526272.85	455361.97	1526232.36	455431.02
L8			114.84'	S89°38'00"E		1526232.36	455431.02	1526231.62	455545.86
C7	009°52'32"	200.00'	34.47'	S84°41'44"E	34.43'	1526231.62	455545.86	1526228.44	455580.14
L9			93.10'	S79°45'28"E		1526228.44	455580.14	1526211.89	455671.75
C8	022°10'41"	200.00'	77.42'	S68°40'08"E	76.93'	1526211.89	455671.75	1526183.90	455743.42
L10			94.38'	S57°34'47"E		1526183.90	455743.42	1526133.30	455823.09
C9	003°42'45"	400.00'	25.92'	S55°43'24"E	25.91'	1526133.30	455823.09	1526118.71	455844.50
L11			20.75'	S53°52'02"E		1526118.71	455844.50	1526106.47	455861.26
C10	072°54'52"	80.00'	101.81'	N89°40'32"E	95.08'	1526106.47	455861.26	1526107.01	455956.33
L20			13.07'	N53°13'07"E		1526107.01	455956.33	1526114.84	455966.80
C11	021°33'57"	50.00'	18.82'	N42°26'08"E	18.71'	1526114.84	455966.80	1526128.65	455979.42
L66			40.36'	N31°39'09"E		1526128.65	455979.42	1526163.00	456000.60
C63	005°30'21"	500.00'	48.05'	N37°24'02"E	48.03'	1526163.00	456000.60	1526202.63	456027.74
L67			55.14'	N34°09'30"E		1526202.63	456027.74	1526206.57	456061.05
C60	031°43'06"	50.00'	27.68'	N21°17'58"E	27.33'	1526206.57	456061.05	1526272.03	456070.97
L13			54.95'	N05°26'25"E		1526272.03	456070.97	1526236.74	456076.18
C13	085°59'03"	60.00'	90.04'	N48°25'56"E	81.83'	1526236.74	456076.18	1526381.03	456137.40
L14			157.29'	S88°34'32"E		1526381.03	456137.40	1526377.12	456294.65
C14	058°20'51"	65.00'	66.19'	S59°24'07"E	63.37'	1526377.12	456294.65	1526344.87	456349.19
L15			54.09'	S30°13'41"E		1526344.87	456349.19	1526298.13	456376.42
C15	020°59'09"	150.00'	54.94'	S40°43'16"E	54.63'	1526298.13	456376.42	1526256.72	456412.07
L16			3.18'	S51°12'50"E		1526256.72	456412.07	1526254.73	456414.54
C16	036°15'54"	70.00'	44.31'	S69°20'47"E	43.57'	1526254.73	456414.54	1526239.36	456455.31
L17			29.82'	S87°28'44"E		1526239.36	456455.31	1526238.05	456485.11
C17	041°04'30"	40.00'	28.68'	N71°59'01"E	28.07'	1526238.05	456485.11	1526246.73	456511.80
L18			20.82'	N51°26'46"E		1526246.73	456511.80	1526259.71	456528.08
C18	021°16'11"	120.00'	44.55'	N40°48'40"E	44.29'	1526259.71	456528.08	1526293.23	456557.03
L22			22.35'	N30°10'35"E		1526293.23	456557.03	1526312.55	456568.26
C19	018°29'21"	100.00'	32.27'	N20°55'54"E	32.13'	1526312.55	456568.26	1526342.56	456579.74

Alignment Line and Curve Data

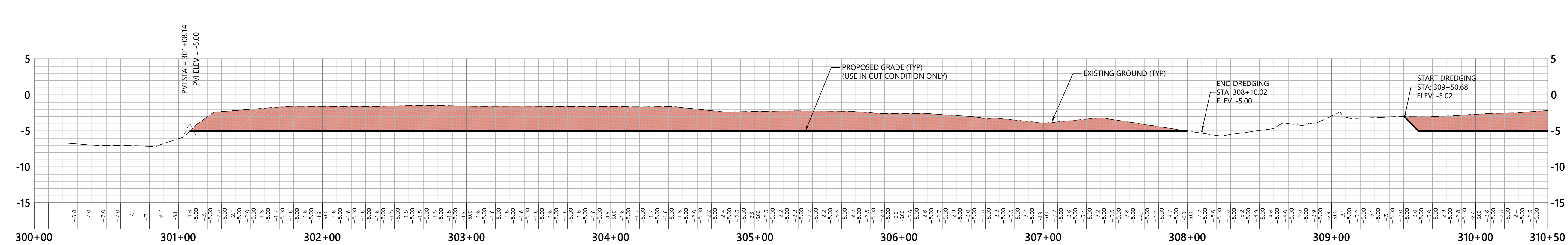
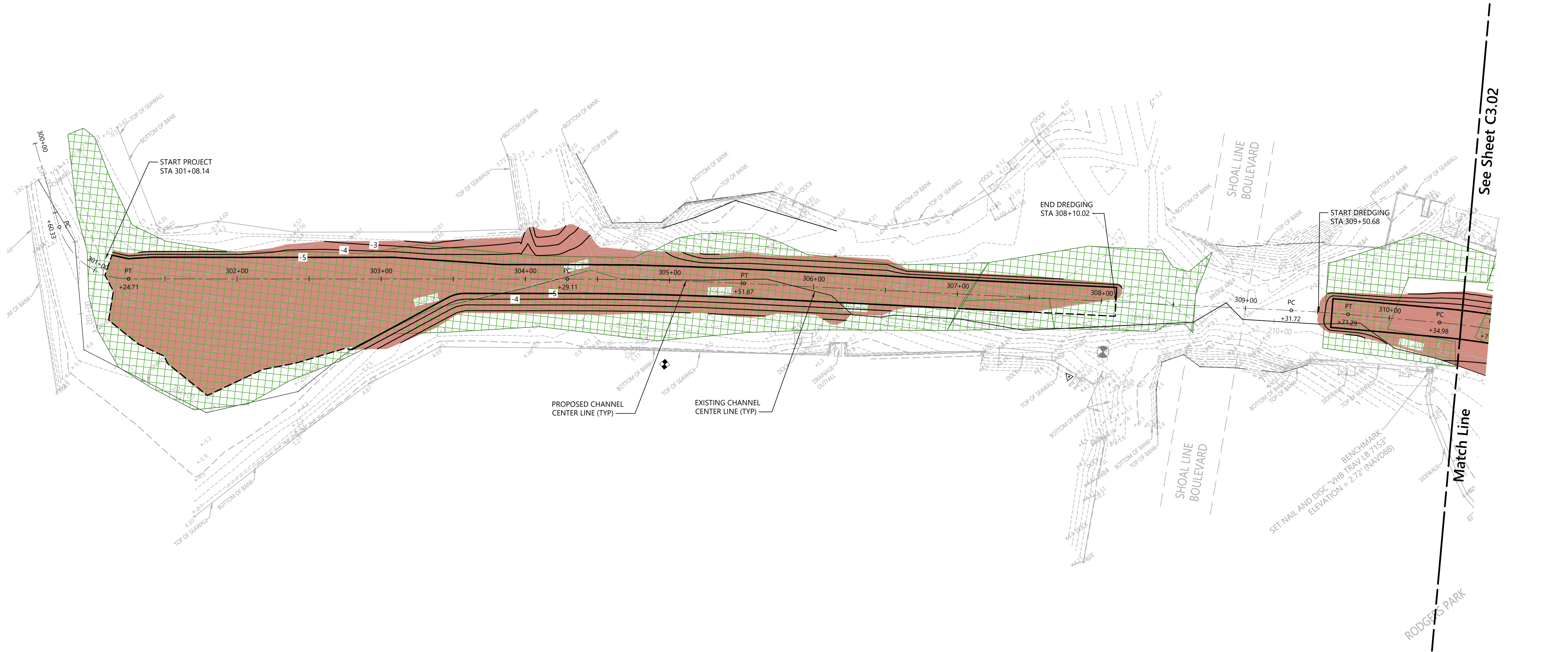
No.	Delta	Radius	Length	Bearing	Ch. Dist.	Start Northing	Start Easting	End Northing	End Easting
L23			3.15'	N11°41'14"E		1526342.56	456579.74	1526345.64	456580.38
C20	060°01'16"	45.00'	47.14'	N41°41'52"E	45.01'	1526345.64	456580.38	1526379.25	456610.32
L19			87.83'	N71°42'30"E		1526379.25	456610.32	1526406.82	456693.71
C21	037°38'42"	75.00'	49.28'	N52°53'08"E	48.40'	1526406.82	456693.71	1526436.02	456732.31
L71			36.49'	N34°03'47"E		1526436.02	456732.31	1526466.25	456752.75
C66	039°17'51"	80.00'	54.87'	N53°42'42"E	53.80'	1526466.25	456752.75	1526498.10	456796.11
C67	066°04'57"	167.00'	192.61'	S73°35'54"E	182.11'	1526502.31	456810.21	1526450.89	456984.91
L27			3.60'	S40°33'25"E		1526450.89	456984.91	1526448.15	456987.25
C23	064°28'31"	40.00'	45.01'	S72°47'41"E	42.67'	1526448.15	456987.25	1526435.53	457028.02
L24			24.83'	N74°58'04"E		1526435.53	457028.02	1526441.97	457052.00
C24	056°59'04"	70.00'	69.62'	N46°28'32"E	66.79'	1526441.97	457052.00	1526487.96	457100.42
L25			11.96'	N17°59'00"E		1526487.96	457100.42	1526499.33	457104.11
C25	027°52'57"	50.00'	24.33'	N04°02'32"E	24.09'	1526499.33	457104.11	1526523.36	457105.81
L26			86.24'	N09°53'57"W		1526523.36	457105.81	1526608.32	457109.98
C26	107°27'36"	55.00'	103.15'	N43°49'51"E	88.69'	1526608.32	457109.98	1526672.30	457152.40
L29			61.61'	S82°26'21"E		1526672.30	457152.40	1526664.19	457213.47
C27	030°09'06"	50.00'	26.31'	S67°21'48"E	26.01'	1526664.19	457213.47	1526654.18	457237.48
L30			32.44'	S52°17'15"E		1526654.18	457237.48	1526634.34	457263.14
C28	061°08'48"	145.00'	154.75'	S82°51'39"E	147.51'	1526634.34	457263.14	1526616.01	457409.50
L31			53.77'	N66°33'57"E		1526616.01	457409.50	1526637.39	457458.84
C29	074°41'31"	115.00'	149.92'	S76°05'18"E	139.52'	1526637.39	457458.84	1526603.85	457594.27
L32			30.66'	S38°44'32"E		1526603.85	457594.27	1526579.93	457613.46
C30	065°39'18"	110.00'	126.05'	S71°34'11"E	119.26'	1526579.93	457613.46	1526542.23	457726.60
L33			55.26'	N75°36'10"E		1526542.23	457726.60	1526555.97	457780.13
C31	027°53'57"	150.00'	73.04'	N89°33'08"E	72.32'	1526555.97	457780.13	1526556.53	457852.45
L34			36.74'	S76°29'53"E		1526556.53	457852.45	1526547.96	457888.17
C32	004°44'07"	500.00'	41.32'	S78°51'57"E	41.31'	1526547.96	457888.17	1526539.98	457928.70
L35			222.82'	S81°14'01"E		1526539.98	457928.70	1526506.02	458148.93
C33	059°20'14"	100.00'	103.56'	S51°33'54"E	99.00'	1526506.02	458148.93	1526444.48	458226.47
L36			18.71'	S21°53'47"E		1526444.48	458226.47	1526427.12	458233.45
C34	029°12'32"	100.00'	50.98'	S07°17'31"E	50.43'	1526427.12	458233.45	1526377.10	458239.85
L37			35.21'	S07°18'45"W		1526377.10	458239.85	1526342.18	458235.37
C35	066°16'38"	120.00'	138.81'	S25°49'34"E	131.20'	1526342.18	458235.37	1526224.09	458292.52
L38			120.21'	S58°57'53"E		1526224.09	458292.52	1526162.11	458395.53
C36	015°57'12"	200.00'	55.69'	S50°59'17"E	55.51'	1526162.11	458395.53	1526127.17	458438.66
L39			91.55'	S43°00'42"E		1526127.17	458438.66	1526060.22	458501.11
C37	010°17'47"	80.00'	14.38'	S37°51'48"E	14.36'	1526060.22	458501.11	1526040.89	458509.92
L40			67.89'	S32°42'55"E		1526040.89	458509.92	1525991.77	458546.62
C38	005°16'38"	80.00'	7.37'	S35°21'14"E	7.37'	1525991.77	458546.62	1525985.76	458550.88
L41			120.82'	S37°59'33"E		1525985.76	458550.88	1525985.54	458625.25
C39	013°14'36"	1000.00'	231.14'	S44°36'51"E	230.63'	1525985.54	458625.25	1525726.37	458787.22
L42			66.43'	S51°14'09"E		1525726.37	458787.22	1525684.78	458839.02
C40	042°58'14"	100.00'	75.00'	S29°45'02"E	73.25'	1525684.78	458839.02	1525621.18	458857.37

Alignment Line and Curve Data

No.	Delta	Radius	Length	Bearing	Ch. Dist.	Start Northing	Start Easting	End Northing	End Easting
L43			107.06'	S08°15'55"E		1525621.18	458875.37	1525515.24	458890.76
C41	054°52'15"	100.00'	95.77'	S35°42'02"E	92.15'	1525515.24	458890.76	1525440.41	458944.53
L44			71.77'	S63°08'09"E		1525440.41	458944.53	1525407.98	459008.55
C42	033°07'18"	50.00'	28.90'	S79°41'48"E	28.50'	1525407.98	459008.55	1525402.88	459036.60
L62			55.06'	N83°44'33"E		1525402.88	459036.60	1525408.88	459091.33
C62	029°40'24"	100.00'	51.79'	N68°54'21"E	51.21'	1525408.88	459091.33	1525427.31	459139.11
L63			37.27'	N54°04'09"E		1525427.31	459139.11	1525449.18	459169.29
C43	041°42'06"	290.00'	211.07'	N74°55'12"E	206.44'	1525449.18	459169.29	1525502.89	459368.63
L45			44.38'	S84°13'45"E		1525502.89	459368.63	1525498.43	459412.78
C44	026°55'15"	100.00'	46.99'	S70°46'07"E	46.55'	1525498.43	459412.78	1525483.10	459456.74
L46			64.94'	S57°18'30"E		1525483.10	459456.74	1525448.02	459511.39
C45	027°53'16"	40.00'	19.47'	S43°21'52"E	19.28'	1525448.02	459511.39	1525434.01	459524.63
L47			33.76'	S29°25'14"E		1525434.01	459524.63	1525404.60	459541.21
C46	027°00'28"	140.00'	65.99'	S42°55'28"E	65.38'	1525404.60	459541.21	1525356.72	459585.74
L48			44.58'	S56°25'42"E		1525356.72	459585.74	1525332.07	459622.89
C47	048°50'16"	60.00'	51.14'	S80°50'50"E	49.61'	1525332.07	459622.89	1525324.18	459671.86
L49			84.69'	N74°44'02"E		1525324.18	459671.86	1525346.48	459753.56
C48	046°59'25"	200.00'	164.03'	S81°46'16"E	159.47'	1525346.48	459753.56	1525323.65	459911.39
L50			82.45'	S58°16'33"E		1525323.65	459911.39	1525280.30	459981.52
C49	044°08'58"	150.00'	115.58'	S80°21'02"E	112.74'	1525280.30	459981.52	1525261.40	460092.67
L51			29.56'	N77°34'29"E		1525261.40	460092.67	1525267.76	460121.54
C50	018°02'51"	80.00'	25.20'	N68°33'03"E	25.10'	1525267.76	460121.54	1525276.94	460144.89
L52			61.43'	N59°31'38"E		1525276.94	460144.89	1525308.09	460197.84
C50	028°13'12"	180.00'	88.66'	N73°38'13"E	87.76'	1525308.09	460197.84	1525332.82	460282.04
L53			82.81'	N87°44'49"E		1525332.82	460282.04	1525336.07	460364.79
C52	075°09'25"	40.00'	52.47'	N50°10'07"E	48.79'	1525336.07	460364.79	1525367.32	460402.25
L64			29.83'	N12°35'24"E		1525367.32	460402.25	1525396.43	460408.75
C53	074°11'18"	90.00'	116.53'	N49°41'03"E	108.56'	1525396.43	460408.75	1525466.67	460491.53
L54			94.28'	N86°46'42"E		1525466.67	460491.53	1525471.97	460585.66
C54	011°54'59"	500.00'	103.99'	S87°15'48"E	103.80'	1525471.97	460585.66	1525467.02	460689.35
L55			3.91'	S81°18'19"E		1525467.02	460689.35	1525466.42	460693.21
C55	032°00'43"	180.00'	100.57'	N82°41'20"E	99.27'	1525466.42	460693.21	1525479.06	460791.67
L65			98.49'	N66°40'59"E		1525479.06	460791.67	1525518.04	460882.12
C56	071°20'00"	50.00'	62.25'	N31°00'59"E	58.31'	1525518.04	460882.12	1525568.01	460912.16
L57			31.48'	N04°39'01"W		1525568.01	460912.16	1525599.39	460909.61
C57	020°30'51"	170.00'	17.90'	N14°54'27"W	17.81'	1525599.39	460909.61	1525616.60	460905.03
L58			66.70'	N25°09'52"W		1525616.60	460905.03	1525676.97	460876.66
C58	126°52'57"	45.00'	99.65'	N38°16'36"E	80.50'	1525676.97	460876.66	1525740.17	460926.53
L70			55.51'	S78°16'55"E		1525740.17	460926.53	1525728.89	460980.88

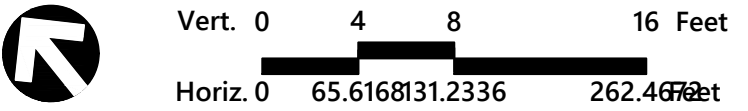


501 E Kennedy Boulevard
Suite 1010
Tampa, FL 33602
813.327.5450
Certificate of Authorization
Number FL #3932



Legend

- SAND DEPOSITION AREA
 - NUISANCE / EXOTIC VEGETATION
 - NATIVE / MIXED VEGETATION
 - SOILS SAMPLE TEXT LOCATION
 - PROPOSED DREDGING AREA
 - OVERHEAD TREE TRIMMING
 - BOTTOM EDGE OF CHANNEL FOR POTENTIAL DREDGING AREA
- ALL DEPTH / ELEVATIONS SHOWN HAVE BEEN ADJUSTED TO MLW
MLW = -1.36 FROM ORIGINAL SURVEYED ELEVATION



Weeki Wachee River

Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Appvd.
1	SWFWMD Comments	08/02/19	GMS
2	SWFWMD Comments	11/30/19	GMS
3	SWFWMD Comments	01/30/20	GMS
4	SWFWMD Comments	09/28/21	GMS

Designed by	Checked by
Issued for	Date

100% Plans

May 15, 2020

Plan and Profile

Drawing Number

C3.01

Sheet of

Project Number

66277.01

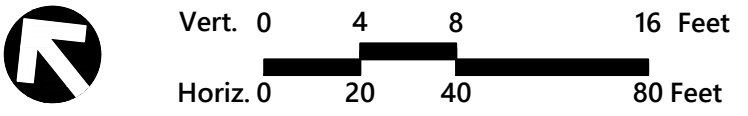
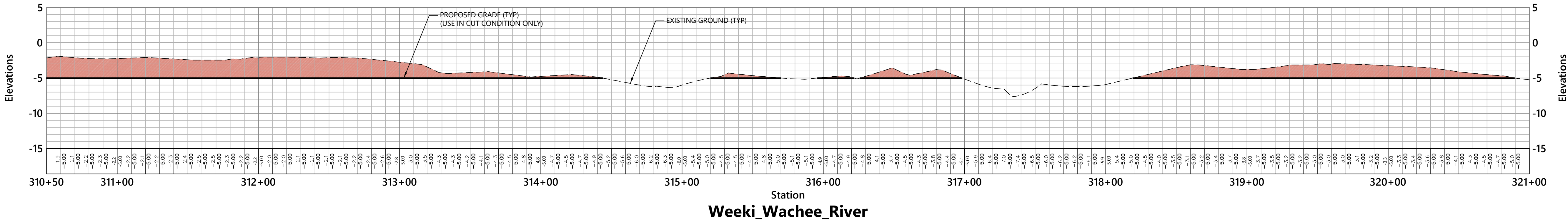
Mehul Patel, P.E.
Florida License No. 75549



Legend

- SAND DEPOSITION AREA
- NUISANCE / EXOTIC VEGETATION
- NATIVE / MIXED VEGETATION
- SOILS SAMPLE TEXT LOCATION
- PROPOSED DREDGING AREA
- OVERHEAD TREE TRIMMING
- BOTTOM EDGE OF CHANNEL FOR POTENTIAL DREDGING AREA

ALL DEPTH / ELEVATIONS SHOWN HAVE BEEN ADJUSTED TO MLW
MLW = -1.36 FROM ORIGINAL SURVEYED ELEVATION



Weeki Wachee River
Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

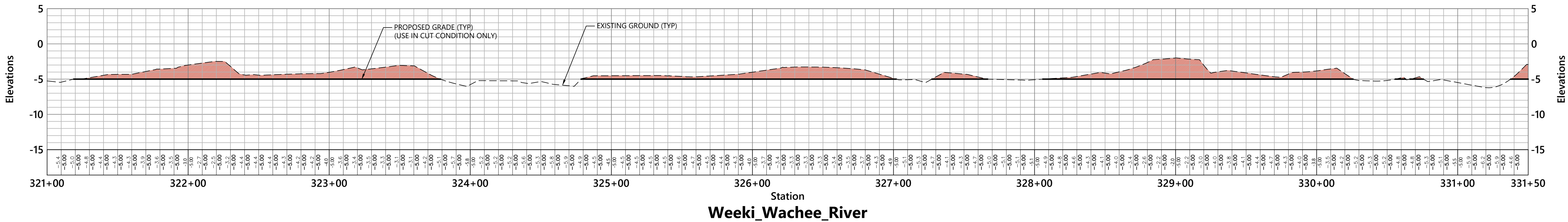
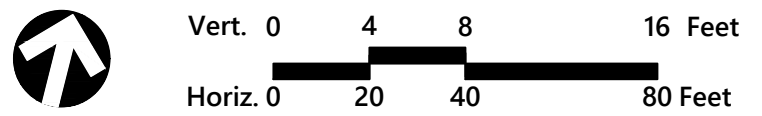
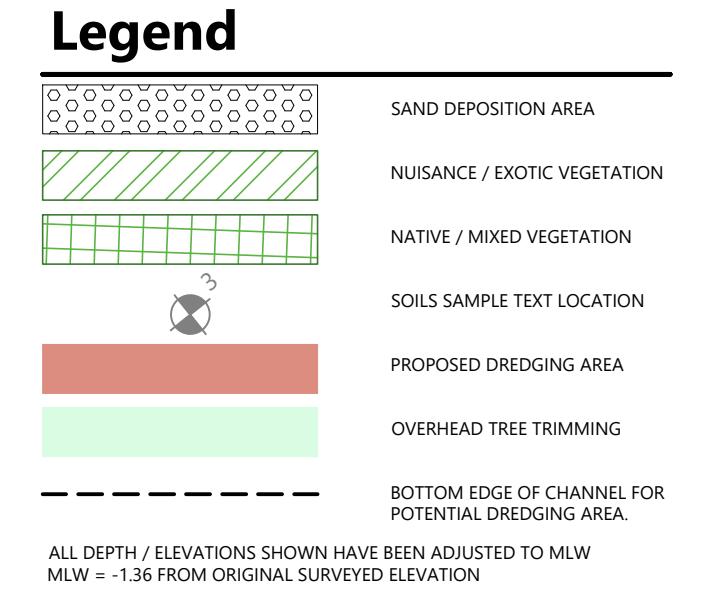
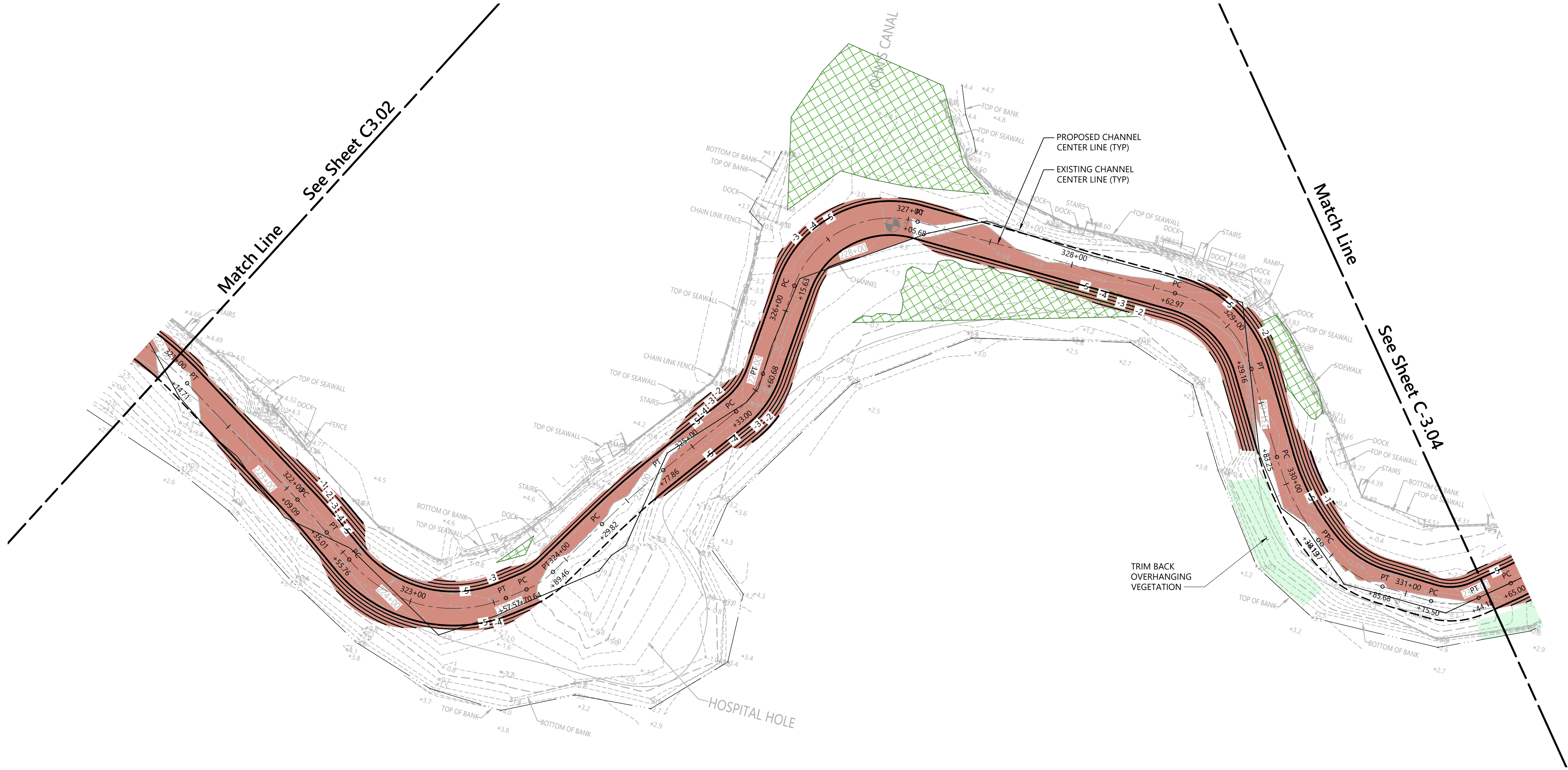
No.	Revision	Date	Appvd.
1	SWFWMD Comments	08/02/19	GMS
2	SWFWMD Comments	11/30/19	GMS
3	SWFWMD Comments	01/30/20	GMS
4	SWFWMD Comments	09/28/21	GMS

Designed by: _____ Checked by: _____
Issued for: _____ Date: _____

100% Plans May 15, 2020

Plan and Profile

Drawing Number
C3.02
Sheet _____ of _____
Project Number
66277.01
Mehul Patel, P.E.
Florida License No. 75549



Weeki Wachee River

Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Appr'd.
1	SWFWMD Comments	08/02/19	GMS
2	SWFWMD Comments	11/30/19	GMS
3	SWFWMD Comments	01/30/20	GMS
4	SWFWMD Comments	09/28/21	GMS

Designed by	Checked by
Issued for	Date

100% Plans May 15, 2020

Plan and Profile

Drawing Title

Drawing Number

C3.03

Sheet of

Project Number

66277.01

Mehul Patel, P.E.
Florida License No. 75549

Match Line

See Sheet C3.03

Deposition Area 1
(See Sheet C3.10)

MYSTIC COVE

PROPOSED CHANNEL
CENTER LINE (TYP)

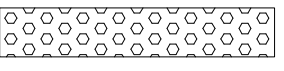




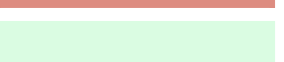
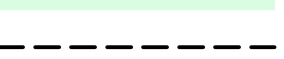
EXISTING CHANNEL
CENTER LINE (TYP)

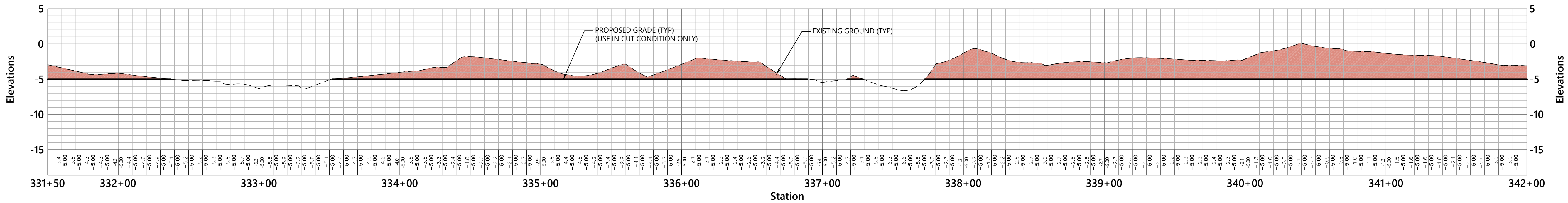
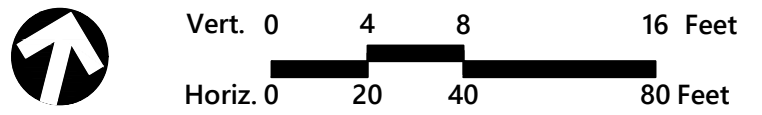
TRIM BACK
OVERHANGING
VEGETATION

Match Line

See Sheet C3.05

Legend

-  SAND DEPOSITION AREA
 -  NUISANCE / EXOTIC VEGETATION
 -  NATIVE / MIXED VEGETATION
 -  SOILS SAMPLE TEXT LOCATION
 -  PROPOSED DREDGING AREA
 -  OVERHEAD TREE TRIMMING
 -  BOTTOM EDGE OF CHANNEL FOR POTENTIAL DREDGING AREA
- ALL DEPTH / ELEVATIONS SHOWN HAVE BEEN ADJUSTED TO MLW
MLW = -1.36 FROM ORIGINAL SURVEYED ELEVATION



Weeki_Wachee_River

Weeki Wachee River

Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Appr'd.
1	SWFWMD Comments	08/02/19	GMS
2	SWFWMD Comments	11/30/19	GMS
3	SWFWMD Comments	01/30/20	GMS
4	SWFWMD Comments	09/28/21	GMS

Designed by	Checked by
Issued for	Date

100% Plans May 15, 2020

Plan and Profile

Drawing Number

C3.04

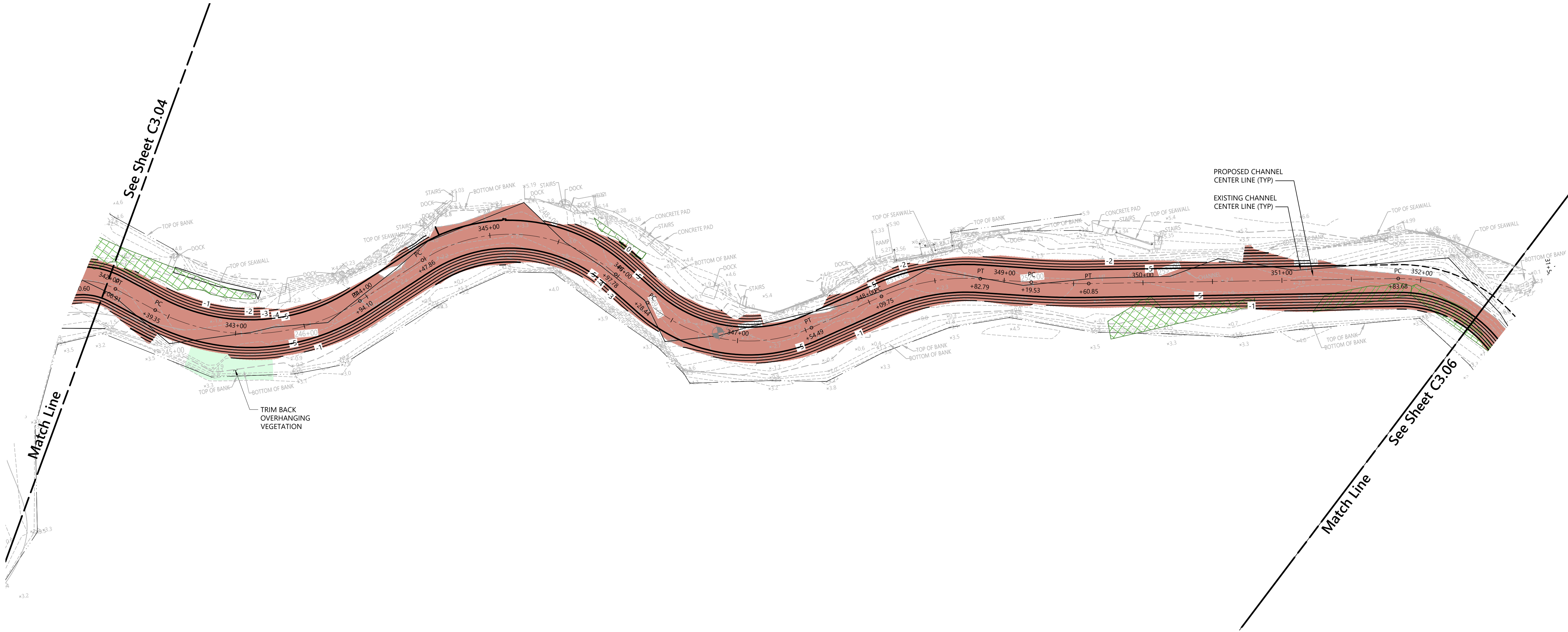
Sheet of

Project Number
66277.01

Mehul Patel, P.E.
Florida License No. 75549

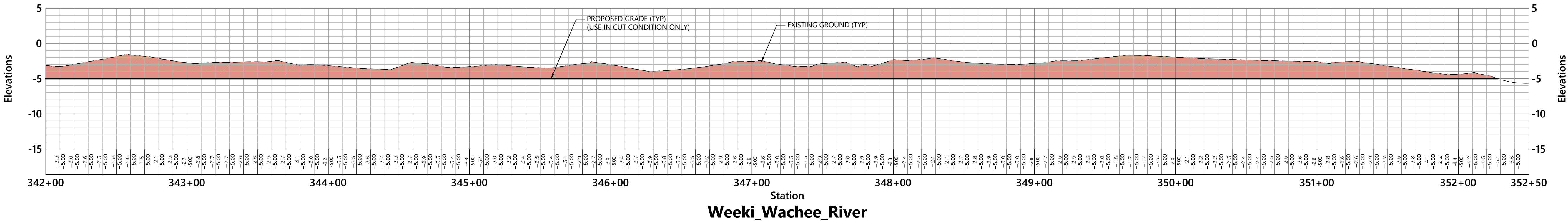
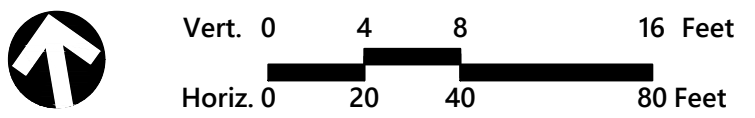


501 E Kennedy Boulevard
Suite 1010
Tampa, FL 33602
813.327.5450
Certificate of Authorization
Number FL #3932



Legend

- SAND DEPOSITION AREA
 - NUISANCE / EXOTIC VEGETATION
 - NATIVE / MIXED VEGETATION
 - SOILS SAMPLE TEXT LOCATION
 - PROPOSED DREDGING AREA
 - OVERHEAD TREE TRIMMING
 - BOTTOM EDGE OF CHANNEL FOR POTENTIAL DREDGING AREA
- ALL DEPTH / ELEVATIONS SHOWN HAVE BEEN ADJUSTED TO MLW
MLW = -1.36 FROM ORIGINAL SURVEYED ELEVATION



Weeki Wachee River

Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

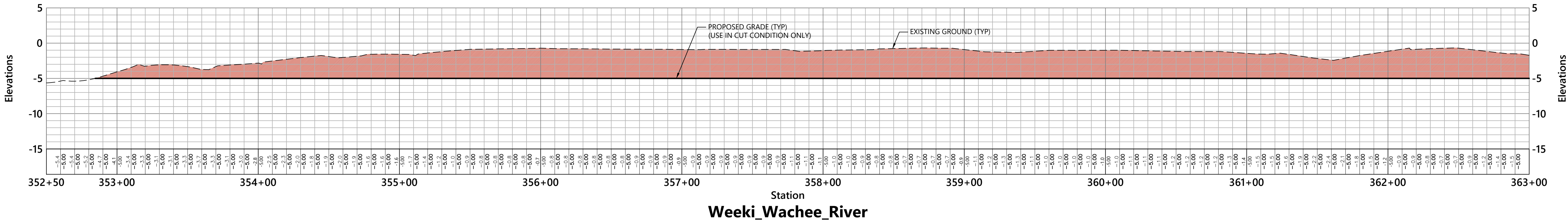
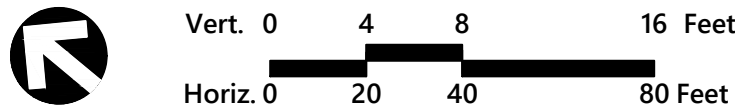
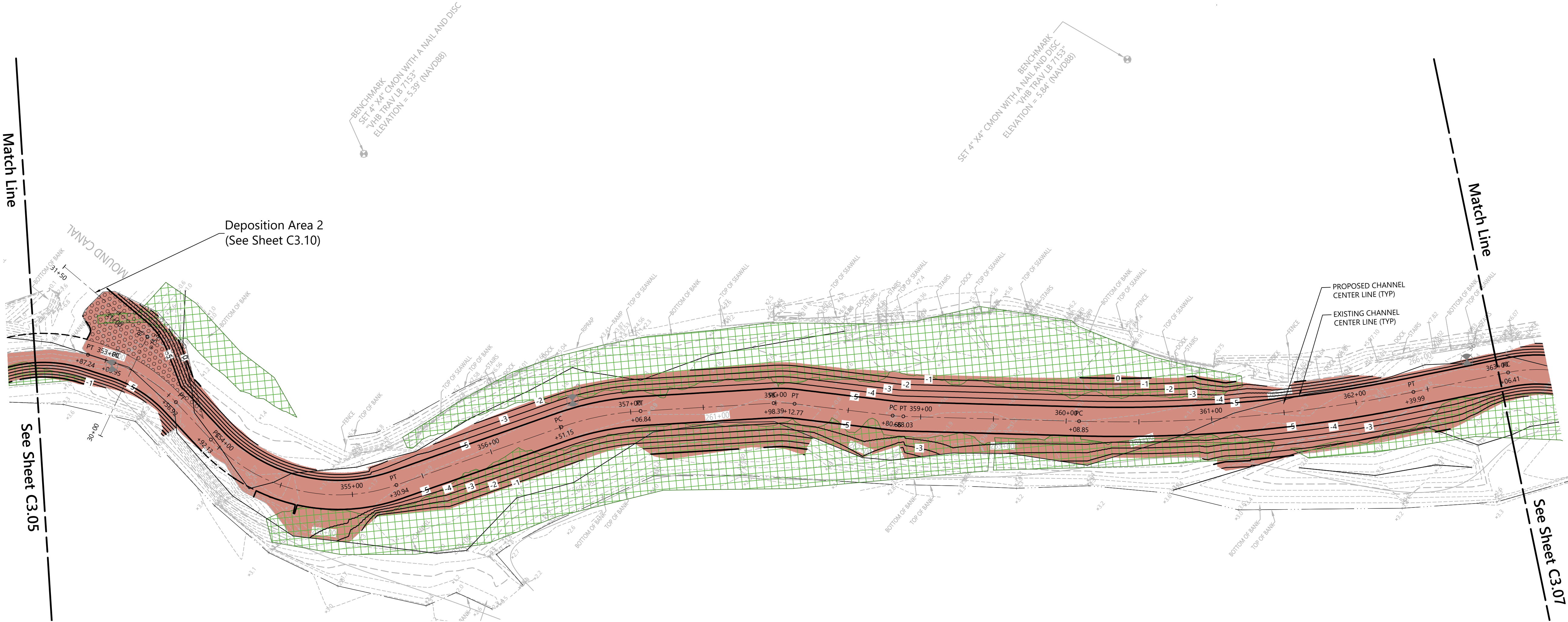
No.	Revision	Date	Appvd.
1	SWFWMD Comments	08/02/19	GMS
2	SWFWMD Comments	11/30/19	GMS
3	SWFWMD Comments	01/30/20	GMS
4	SWFWMD Comments	09/28/21	GMS

Designed by: _____ Checked by: _____
Issued for: _____ Date: _____
100% Plans May 15, 2020

Plan and Profile

Drawing Number
C3.05
Sheet _____ of _____
Project Number
66277.01

Mehul Patel, P.E.
Florida License No. 75549



Weeki Wachee River

Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Appvd.
1	SWPWMD Comments	08/02/19	GMS
2	SWPWMD Comments	11/30/19	GMS
3	SWPWMD Comments	01/30/20	GMS
4	SWPWMD Comments	09/28/21	GMS

Designed by	Checked by
Issued for	Date

100% Plans May 15, 2020

Plan and Profile

Drawing Number

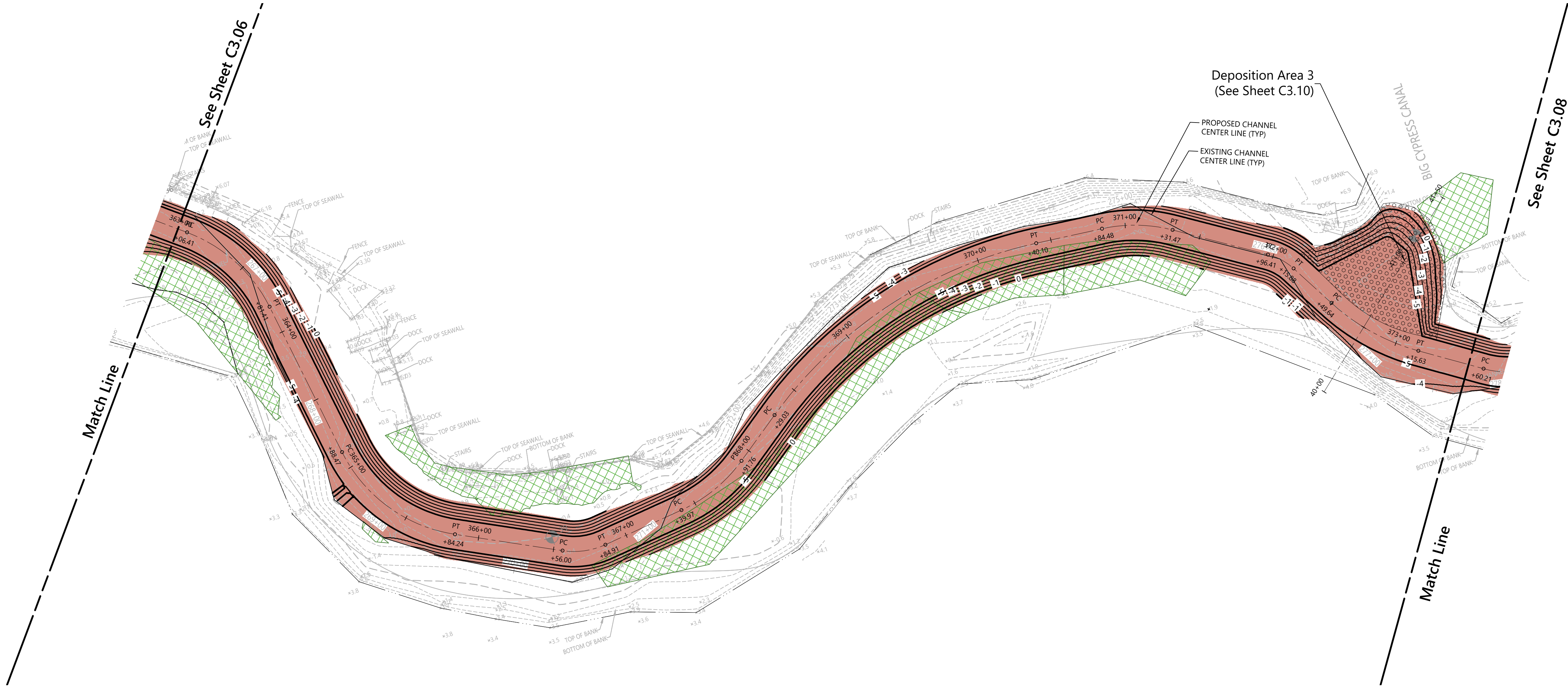
C3.06

Sheet of

Project Number

66277.01

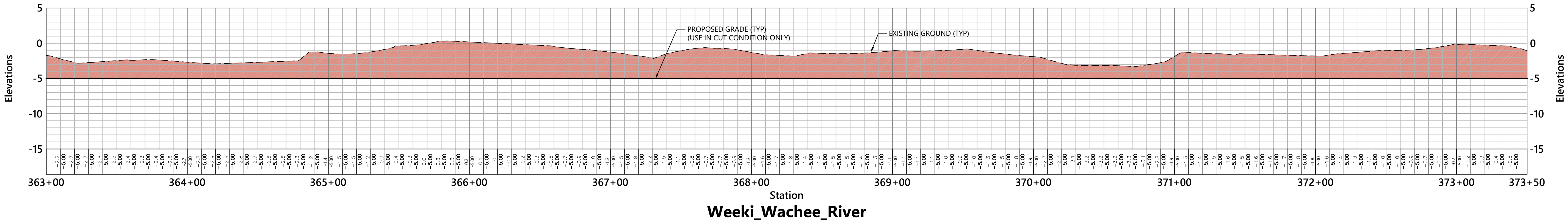
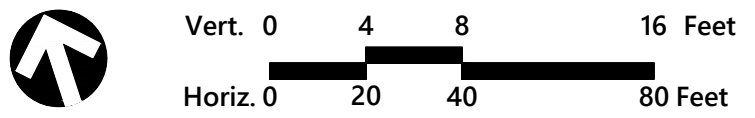
Mehul Patel, P.E.
Florida License No. 75549



Legend

- SAND DEPOSITION AREA
- NUISANCE / EXOTIC VEGETATION
- NATIVE / MIXED VEGETATION
- SOILS SAMPLE TEXT LOCATION
- PROPOSED DREDGING AREA
- OVERHEAD TREE TRIMMING
- BOTTOM EDGE OF CHANNEL FOR POTENTIAL DREDGING AREA

ALL DEPTH / ELEVATIONS SHOWN HAVE BEEN ADJUSTED TO MLW
MLW = -1.36 FROM ORIGINAL SURVEYED ELEVATION



Weeki Wachee River
Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Appvd.
1	SWFWMD Comments	08/02/19	GMS
2	SWFWMD Comments	11/30/19	GMS
3	SWFWMD Comments	01/30/20	GMS
4	SWFWMD Comments	09/28/21	GMS

Designed by	Checked by
Issued for	Date

100% Plans May 15, 2020

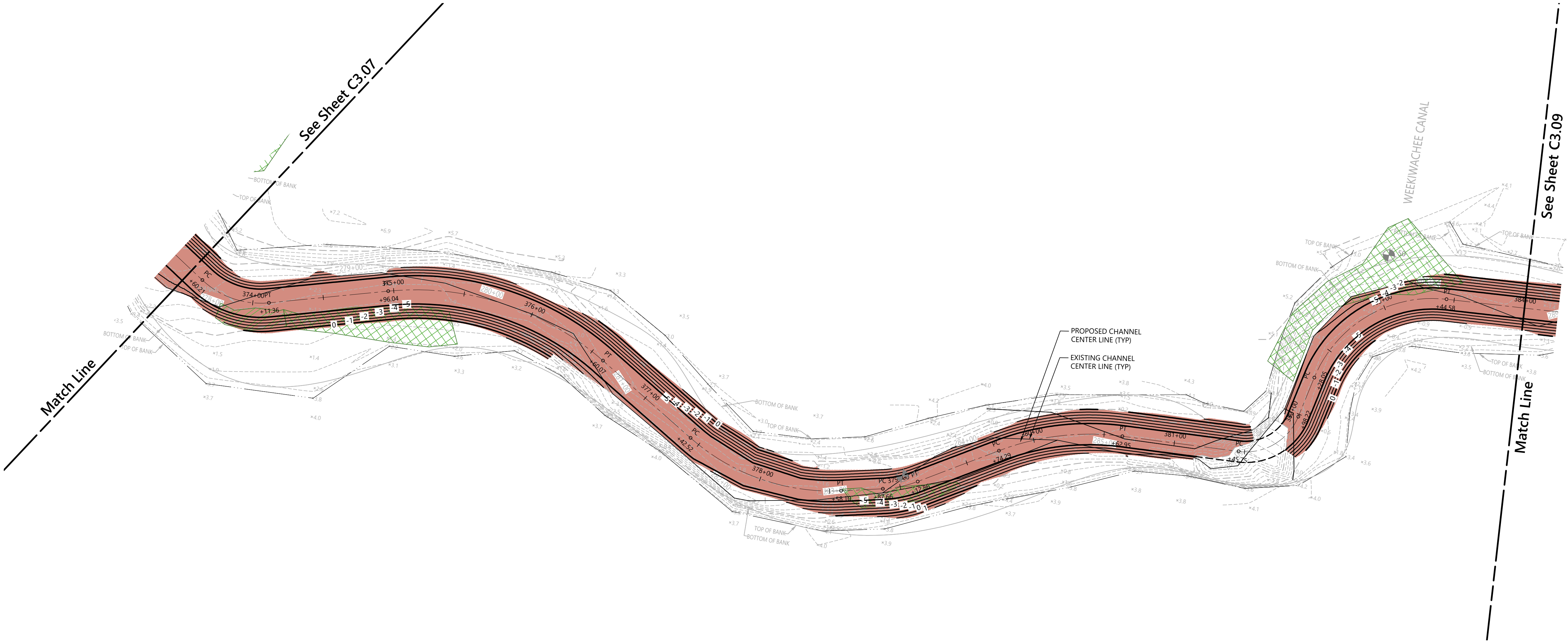
Drawing Title
Plan and Profile

Drawing Number
C3.07

Sheet of

Project Number
66277.01

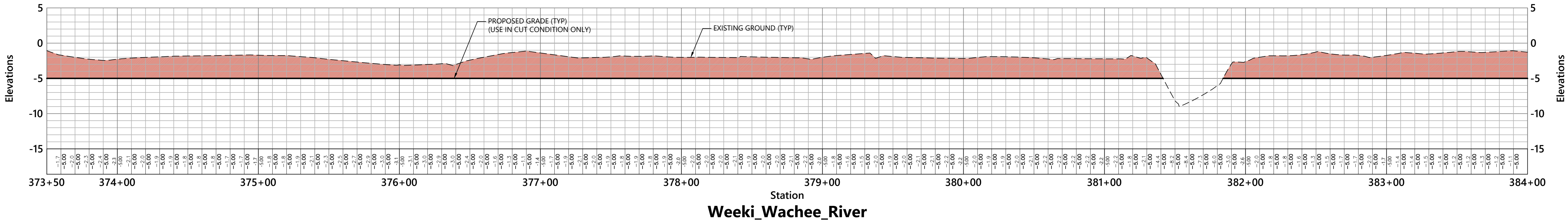
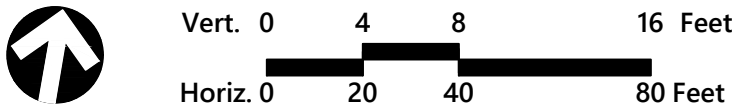
Mehul Patel, P.E.
Florida License No. 75549



Legend

- SAND DEPOSITION AREA
- NUISANCE / EXOTIC VEGETATION
- NATIVE / MIXED VEGETATION
- SOILS SAMPLE TEXT LOCATION
- PROPOSED DREDGING AREA
- OVERHEAD TREE TRIMMING
- BOTTOM EDGE OF CHANNEL FOR POTENTIAL DREDGING AREA

ALL DEPTH / ELEVATIONS SHOWN HAVE BEEN ADJUSTED TO MLW
MLW = -1.36 FROM ORIGINAL SURVEYED ELEVATION



Weeki Wachee River
Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

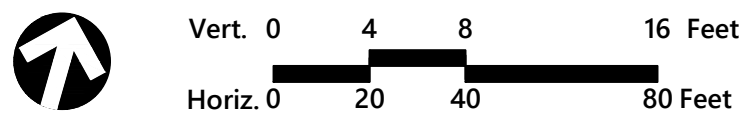
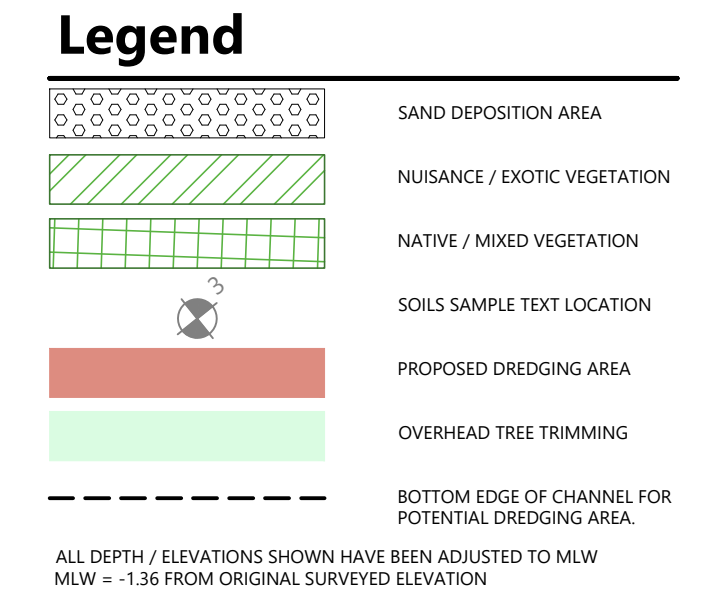
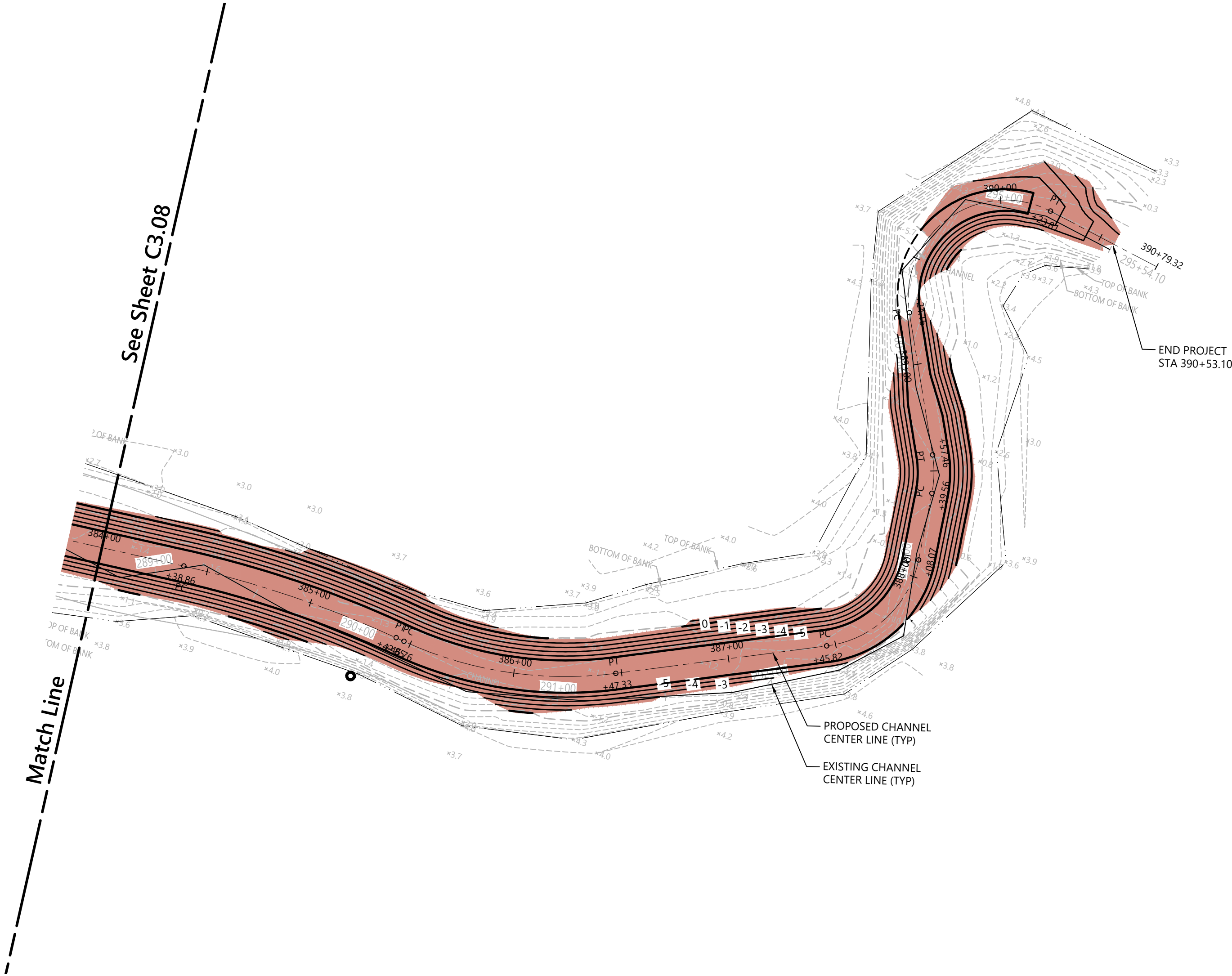
No.	Revision	Date	Appvd.
1	SWFWMD Comments	08/02/19	GMS
2	SWFWMD Comments	11/30/19	GMS
3	SWFWMD Comments	01/30/20	GMS
4	SWFWMD Comments	09/28/21	GMS

Designed by	Checked by
Issued for	Date

100% Plans May 15, 2020

Plan and Profile

Drawing Number
C3.08
Sheet of
Project Number
66277.01
Mehul Patel, P.E.
Florida License No. 75549



Weeki Wachee River

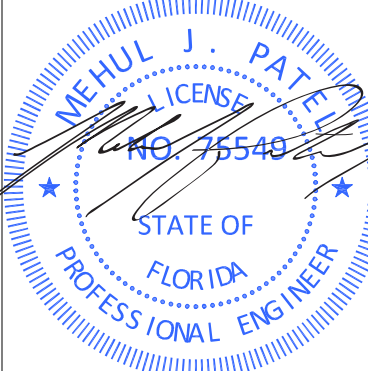
Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Appvd.
1	SWFWMD Comments	08/02/19	GMS
2	SWFWMD Comments	11/30/19	GMS
3	SWFWMD Comments	01/30/20	GMS
4	SWFWMD Comments	09/28/21	GMS

Designed by	Checked by
Issued for	Date

100% Plans May 15, 2020

Plan and Profile



C3.09

Sheet of

Project Number
66277.01

Legend

SAND DEPOSITION AREA

NUISANCE / EXOTIC VEGETATION

NATIVE / MIXED VEGETATION

SOILS SAMPLE TEXT LOCATION

PROPOSED DREDGING AREA

OVERHEAD TREE TRIMMING

BOTTOM EDGE OF CHANNEL FOR POTENTIAL DREDGING AREA

ALL DEPTH / ELEVATIONS SHOWN HAVE BEEN ADJUSTED TO MLW
MLW = -1.36 FROM ORIGINAL SURVEYED ELEVATION

Vert. 0 4 8 16 Feet

Horiz. 0 20 40 80 Feet

Weeki Wachee River

Shoal Line Blvd. to E. Richard Dr.

Weeki Wachee, Florida

No.	Revision	Date	Apprvd.
1	SWPWMD Comments	08/02/19	GMS
2	SWPWMD Comments	11/30/19	GMS
3	SWPWMD Comments	01/30/20	GMS
4	SWPWMD Comments	09/28/21	GMS

Designed by

Checked by

Issued for

Date

100% Plans

May 15, 2020

Drawing Title

Plan and Profile

MEHUL J. PATEL

FLORIDA

PROFESSIONAL ENGINEER

66277.01

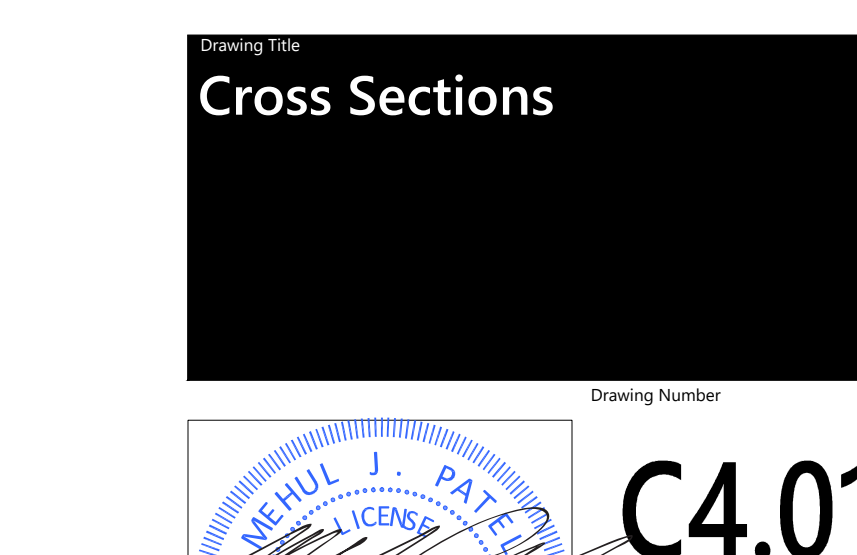
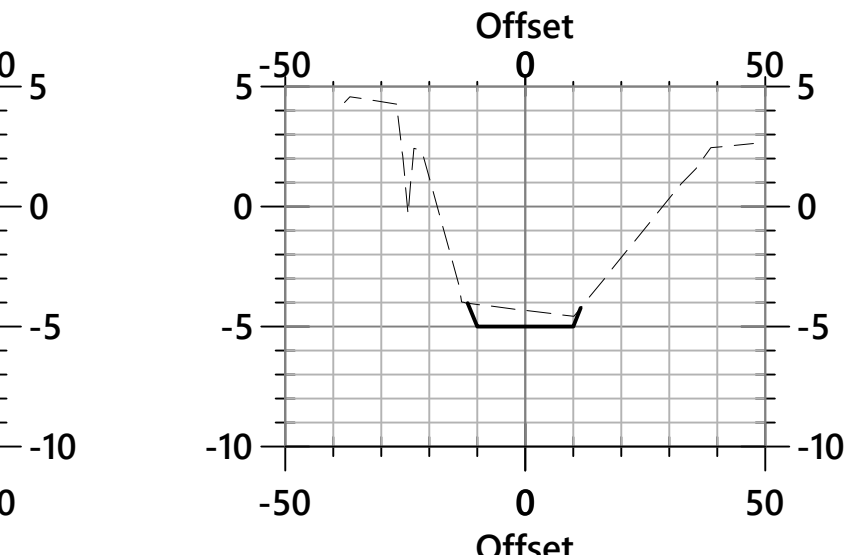
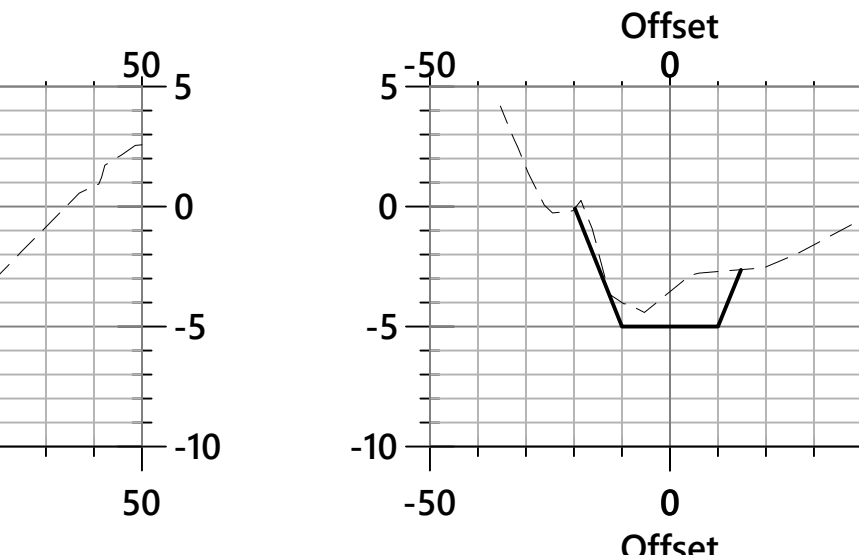
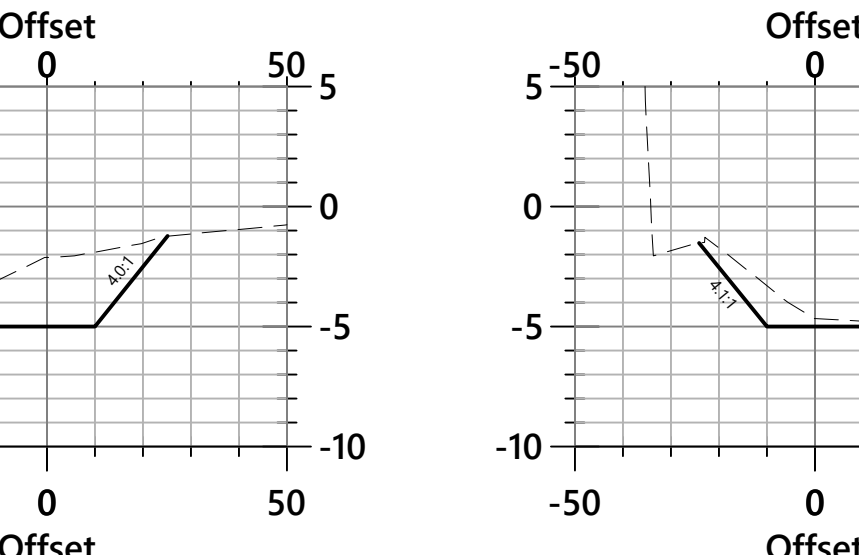
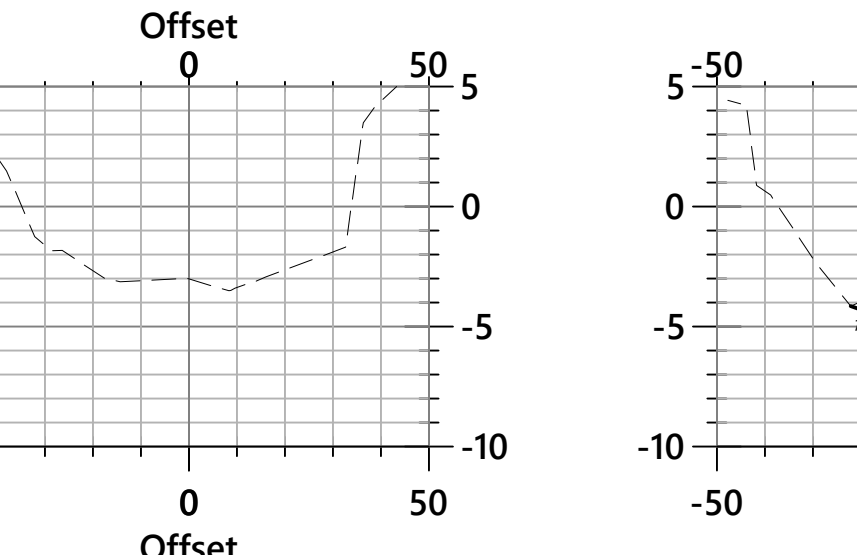
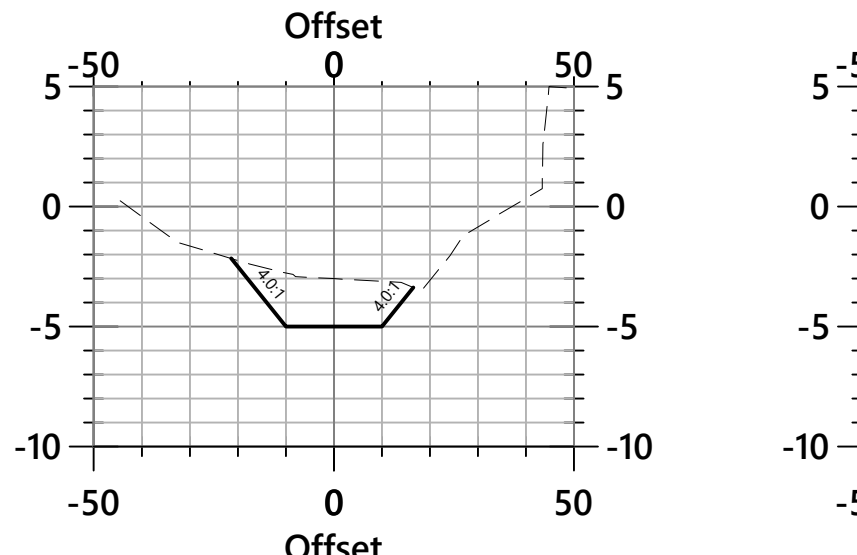
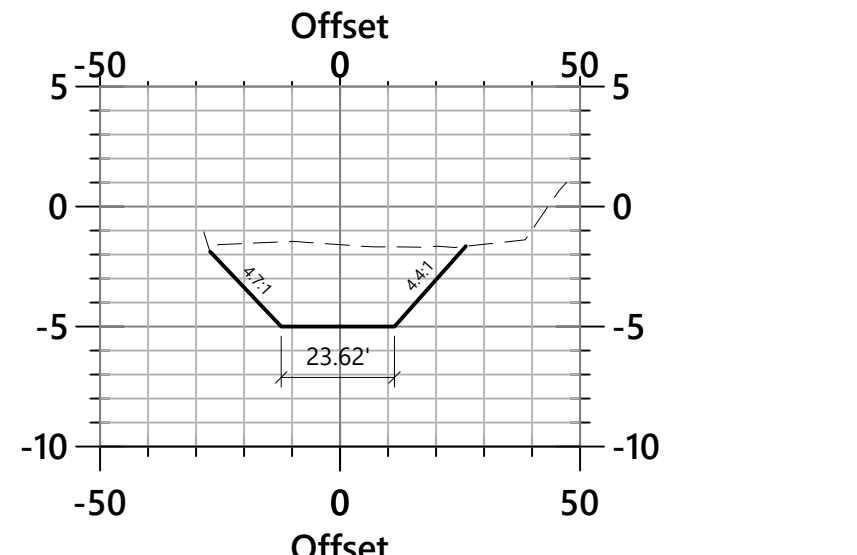
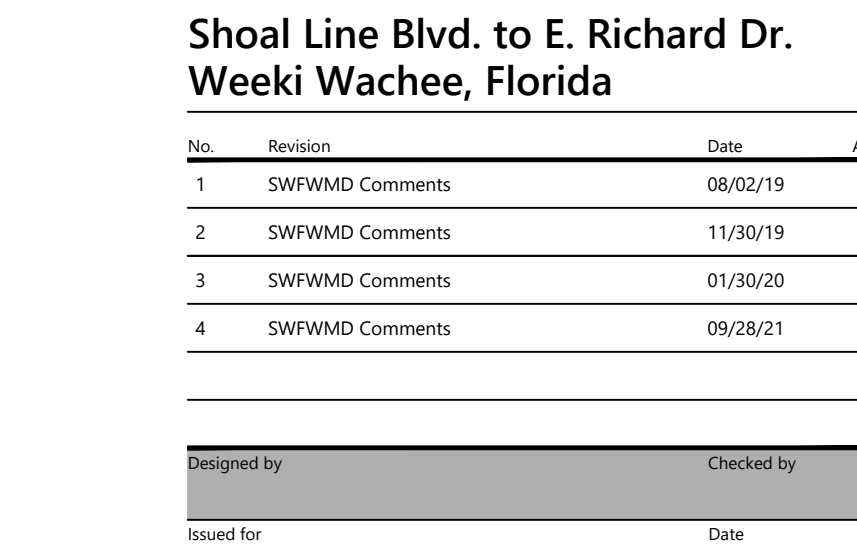
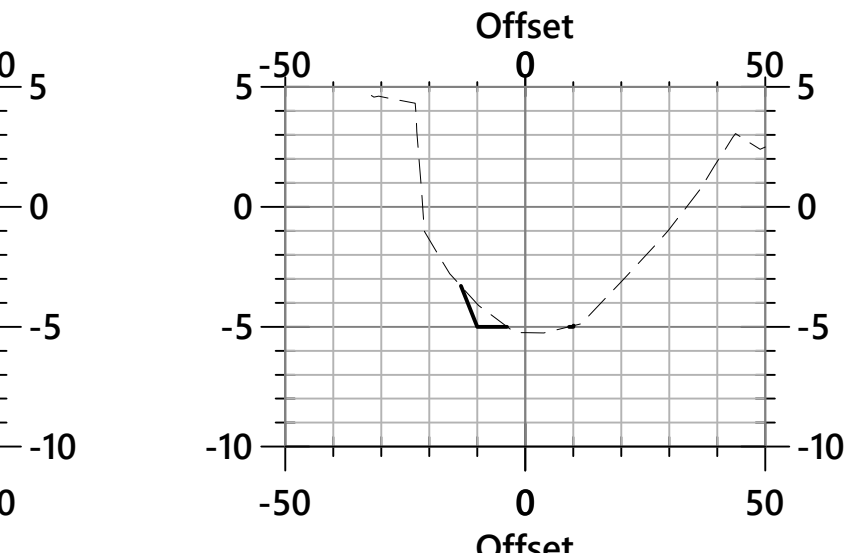
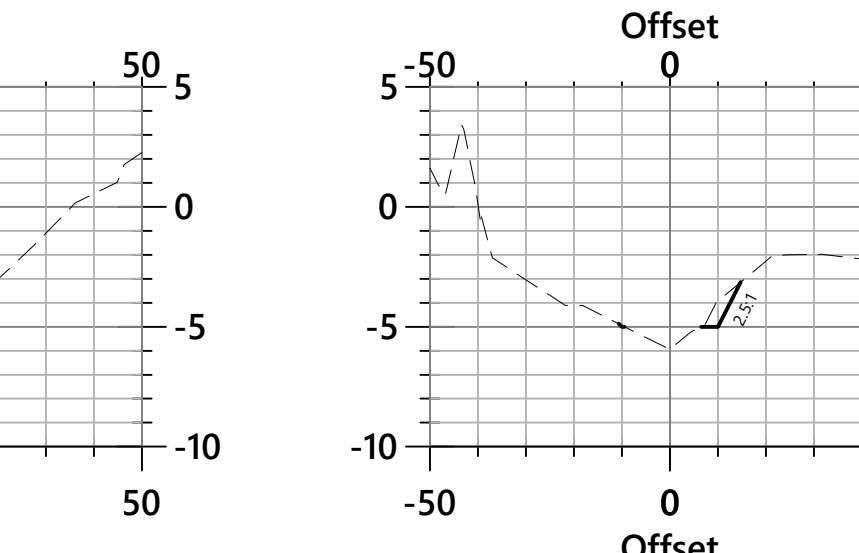
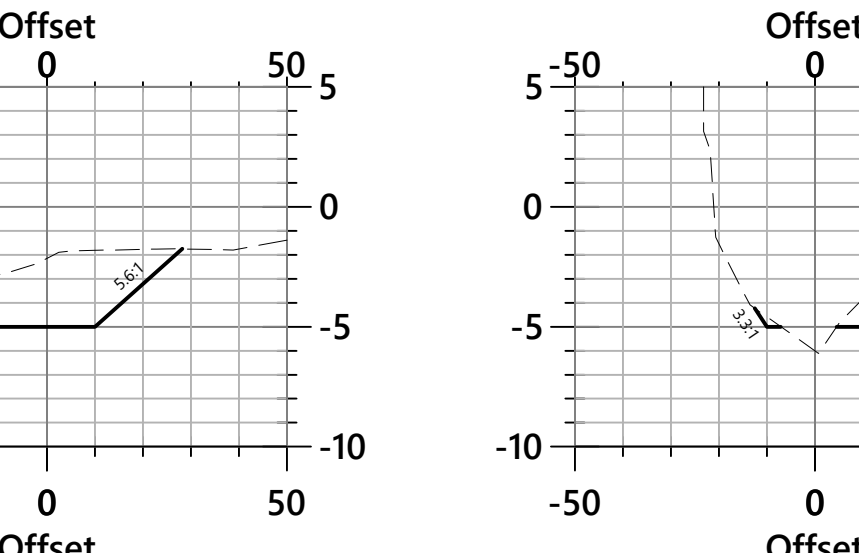
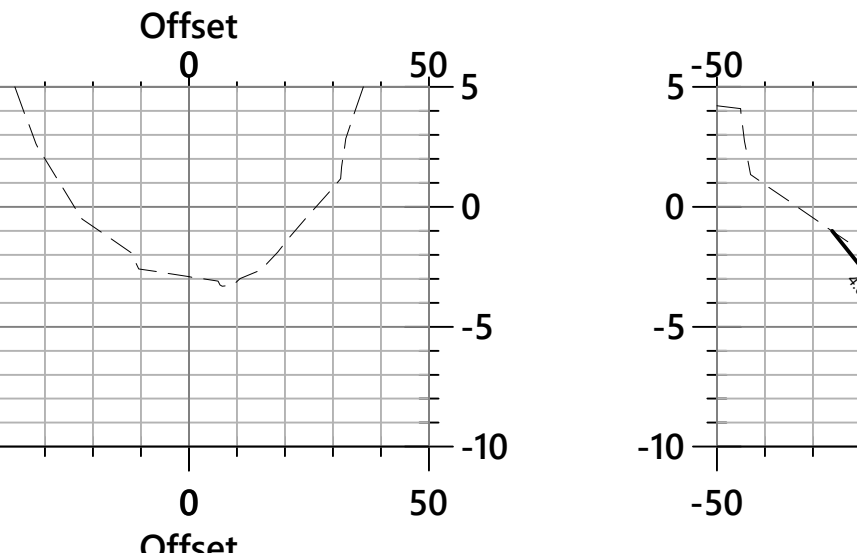
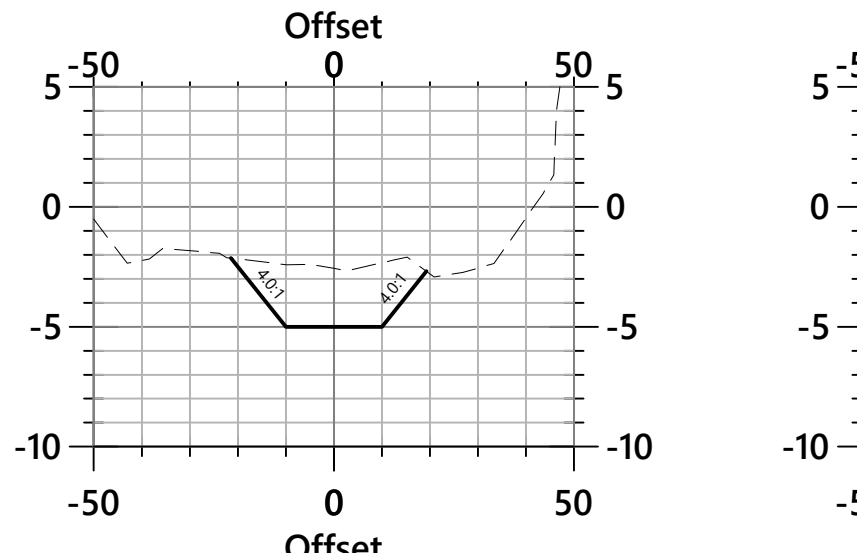
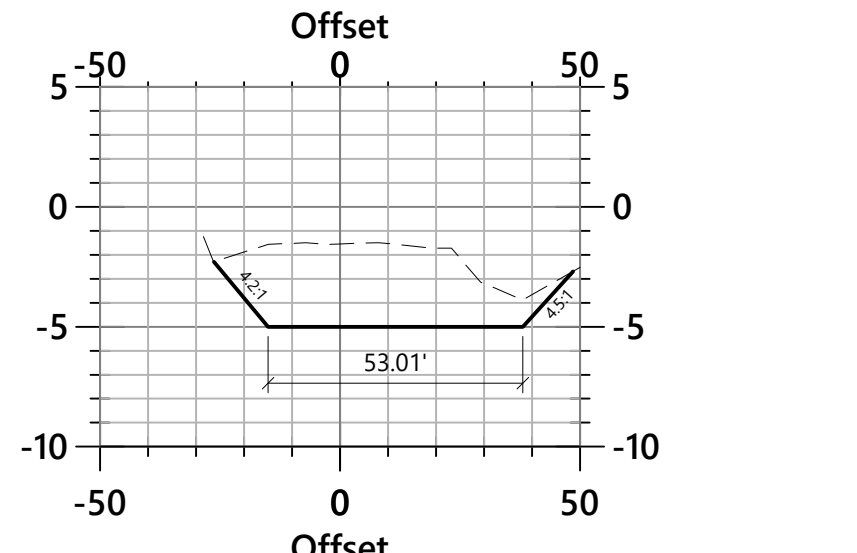
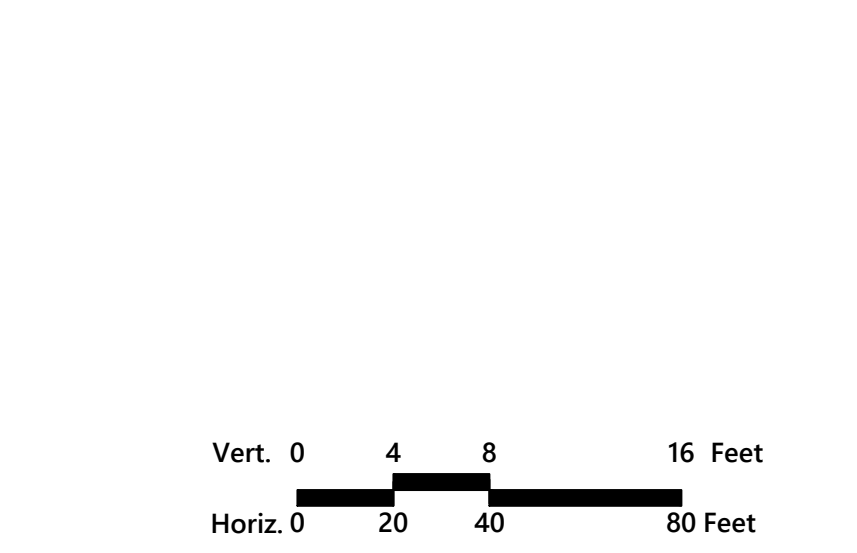
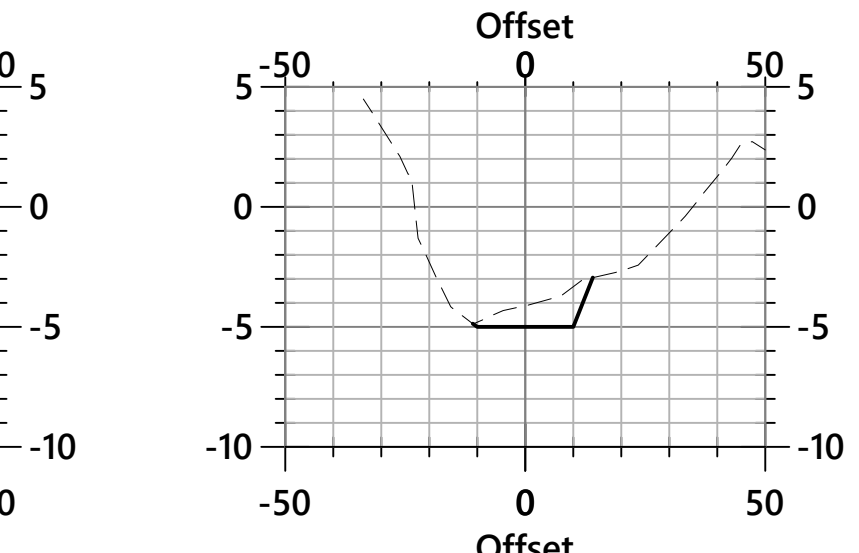
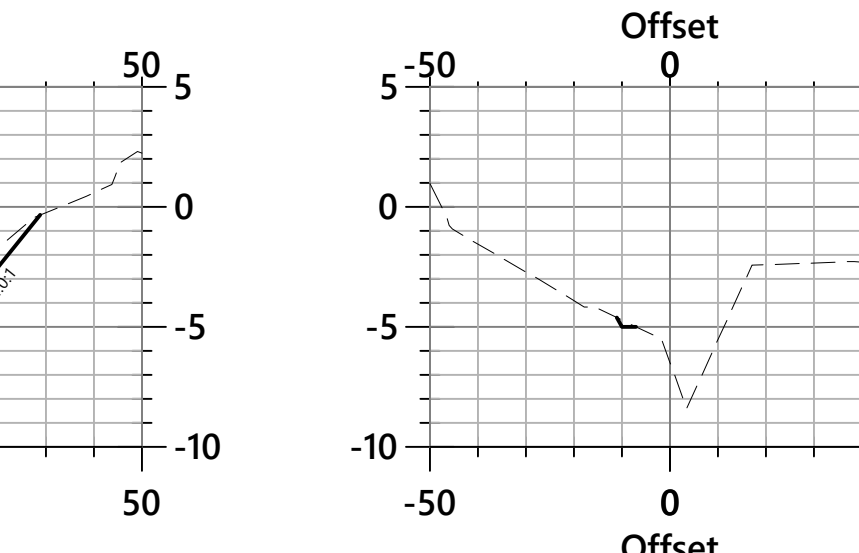
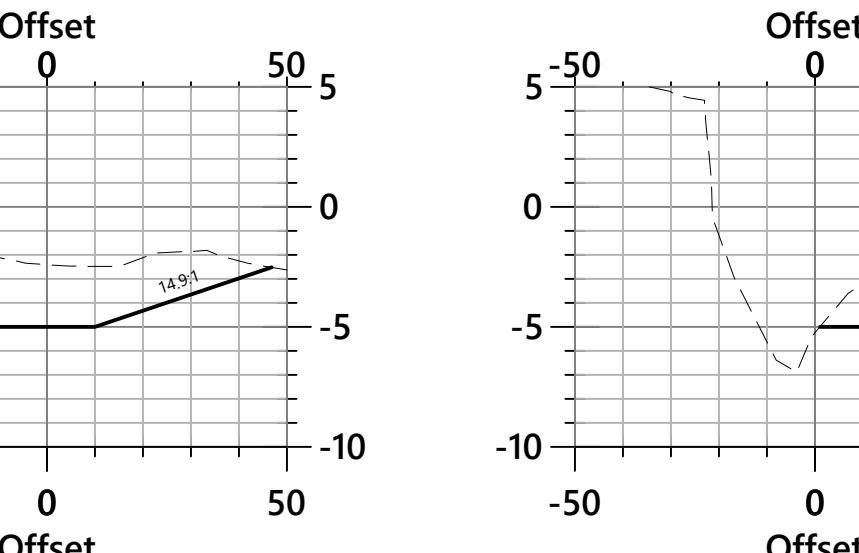
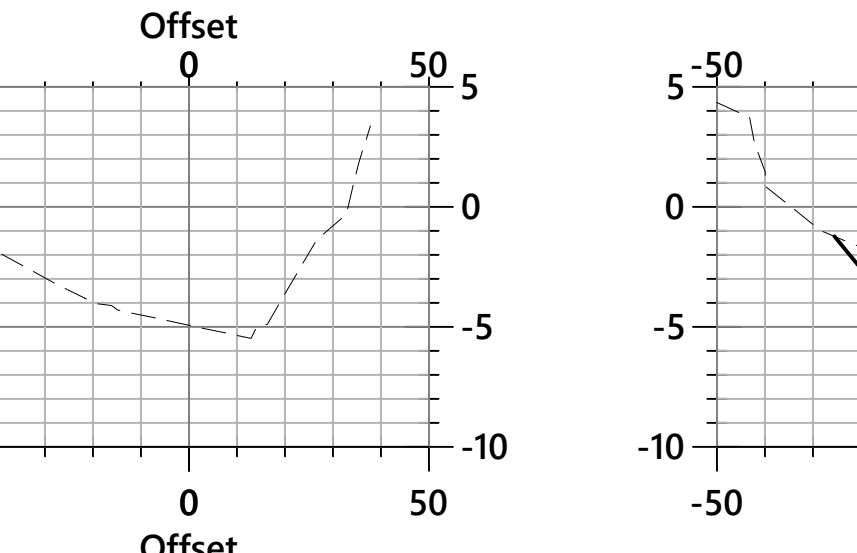
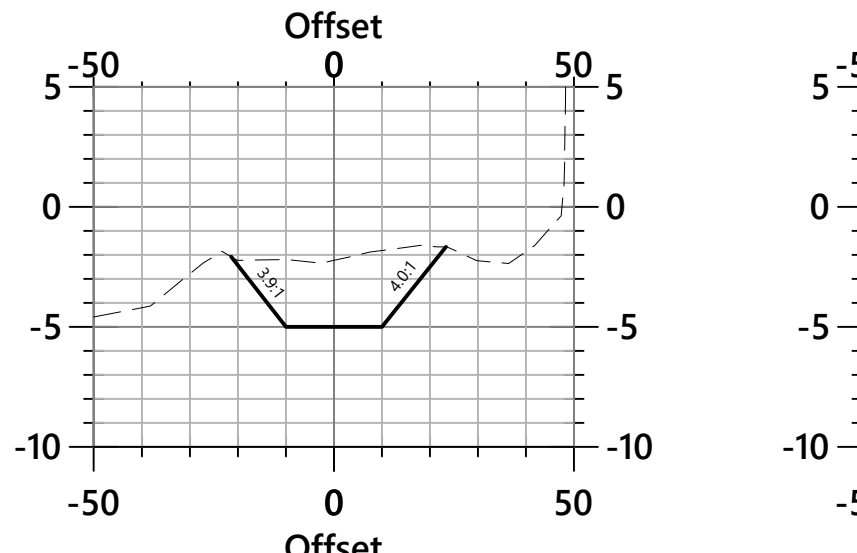
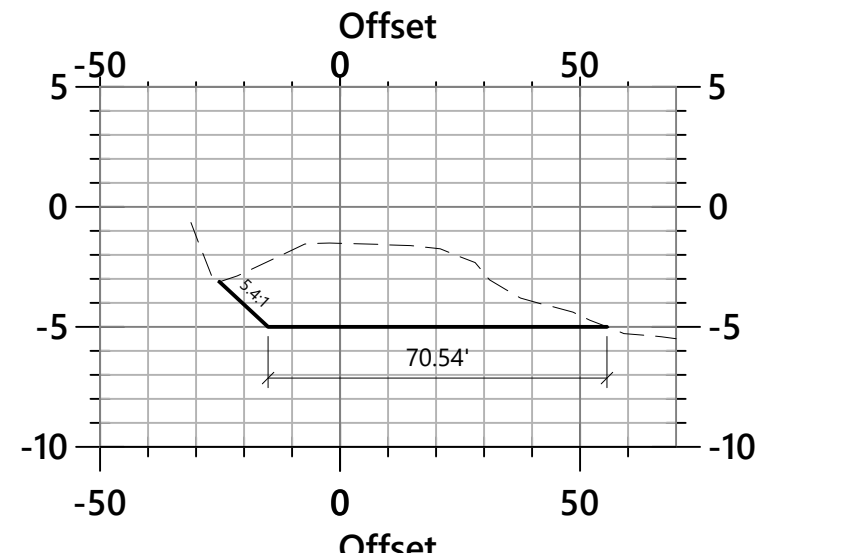
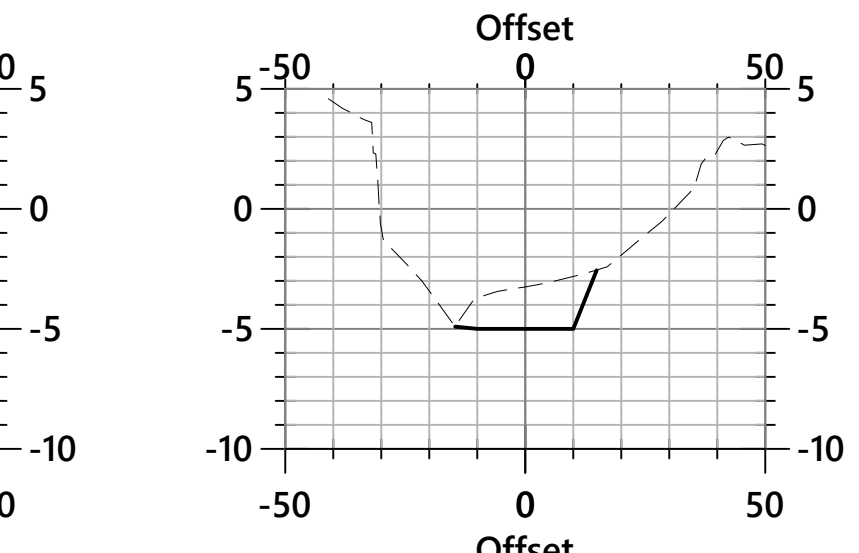
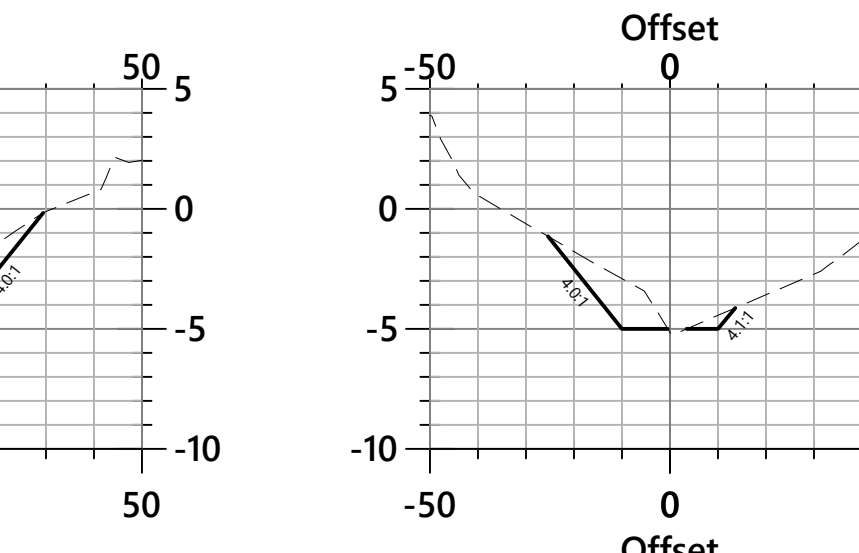
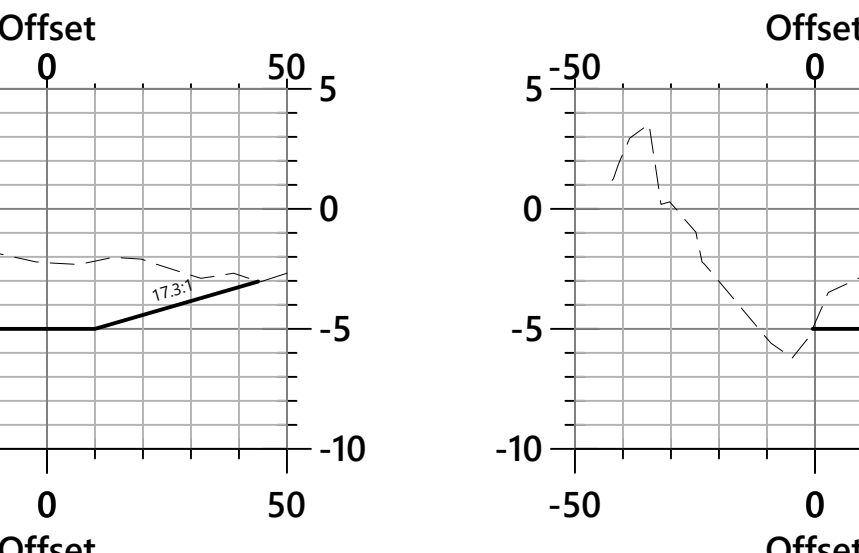
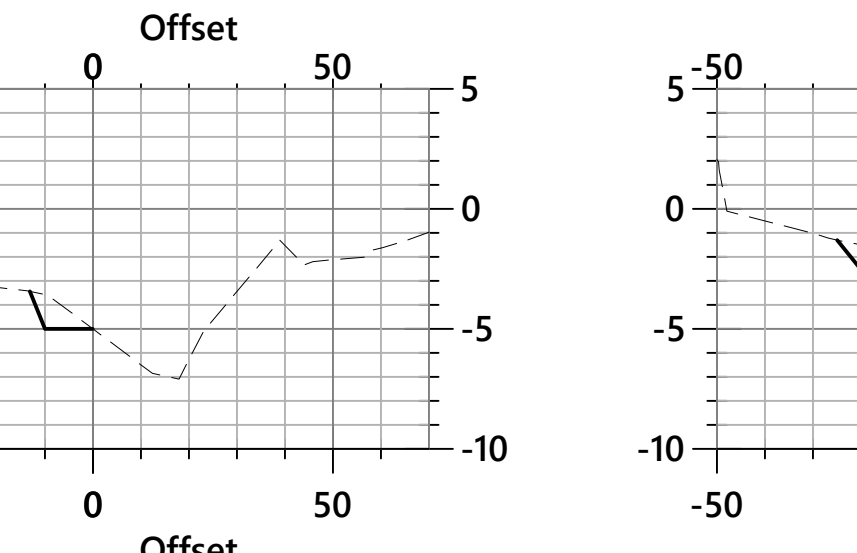
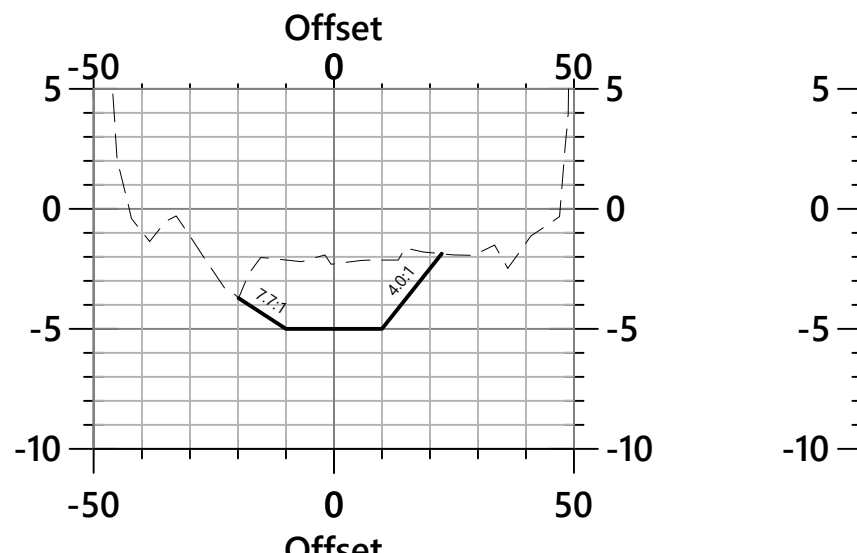
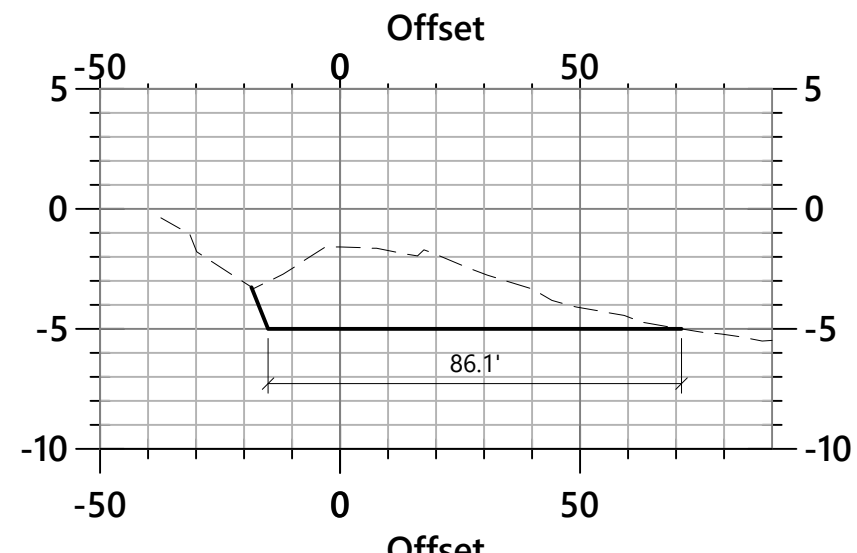
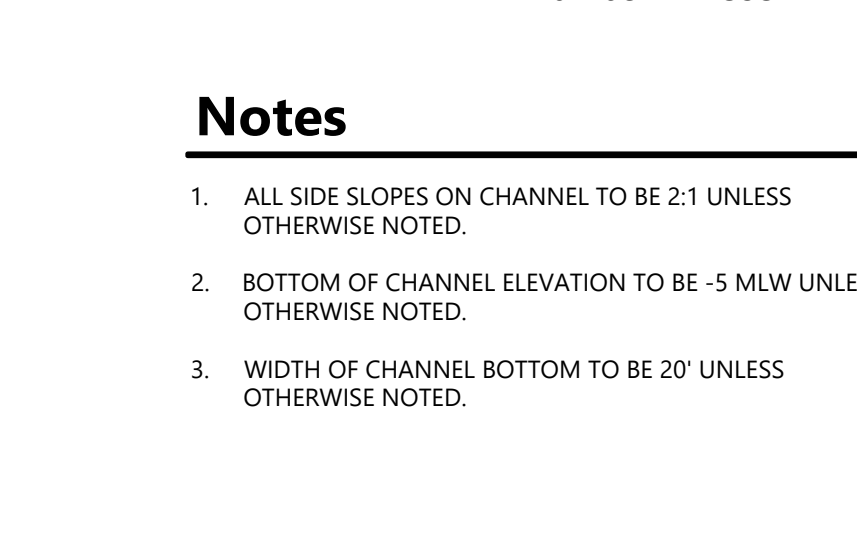
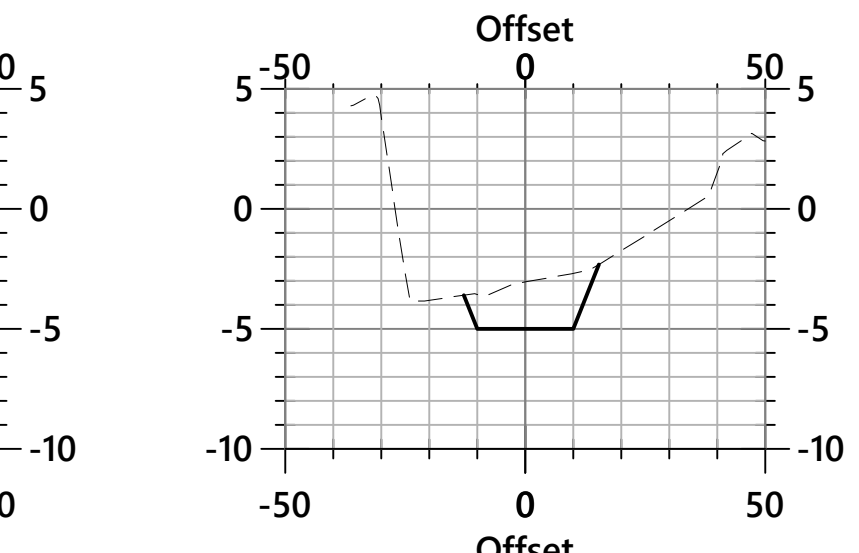
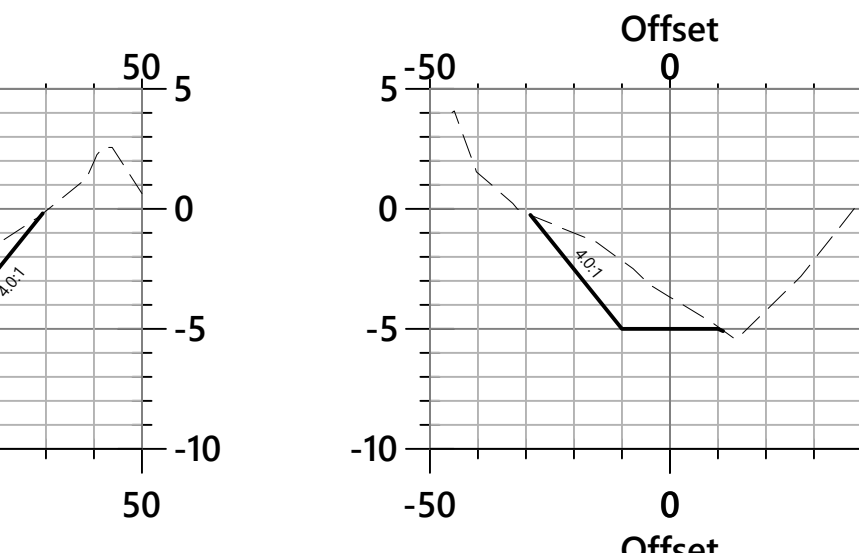
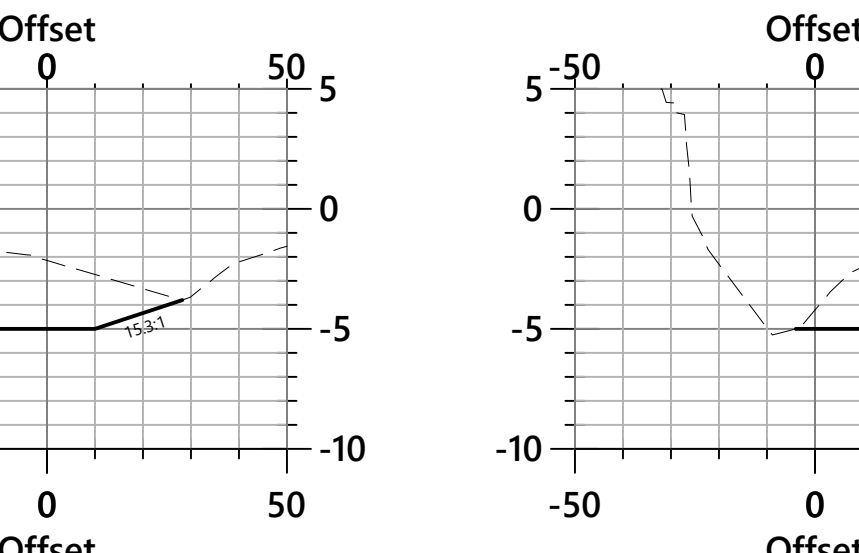
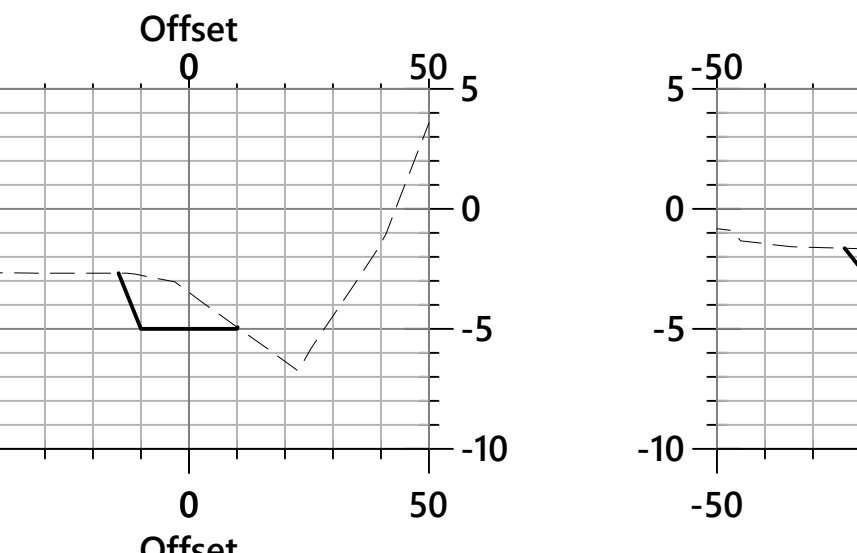
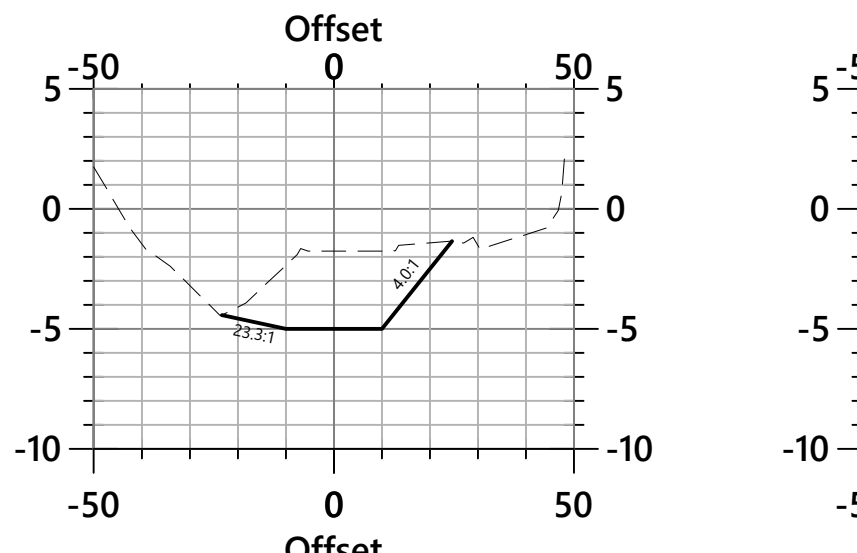
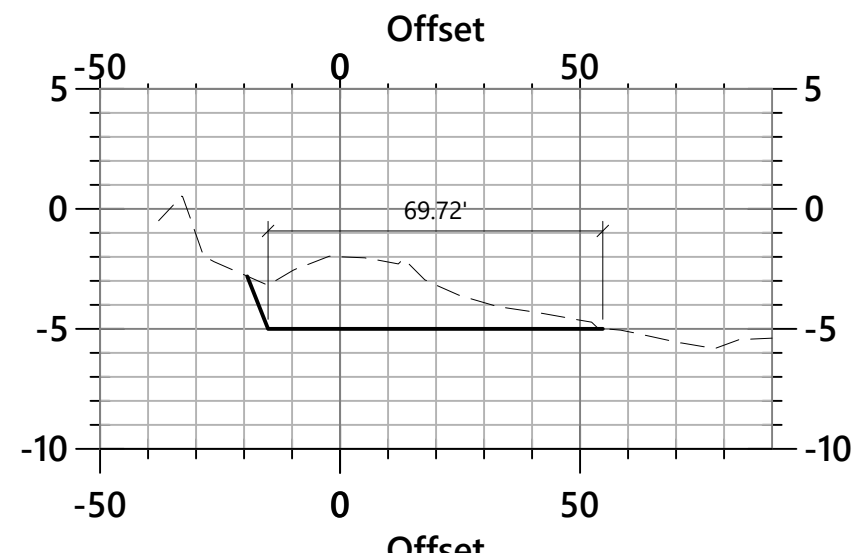
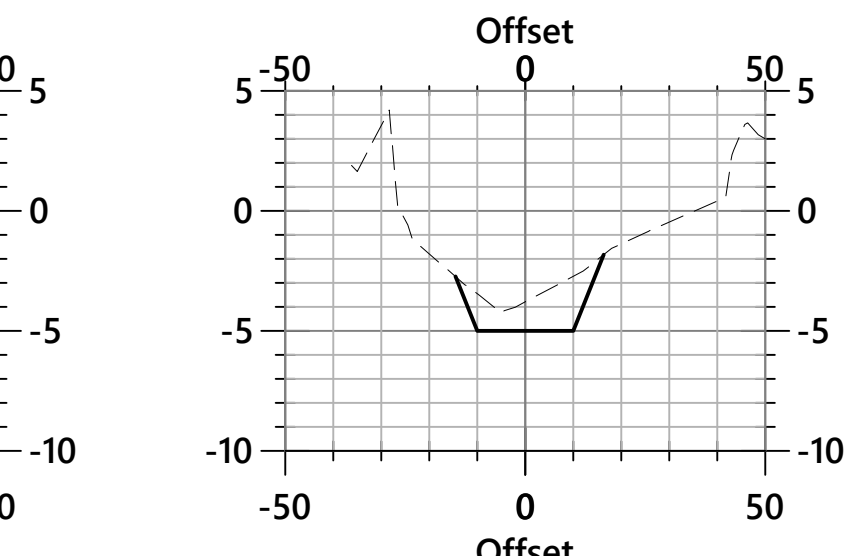
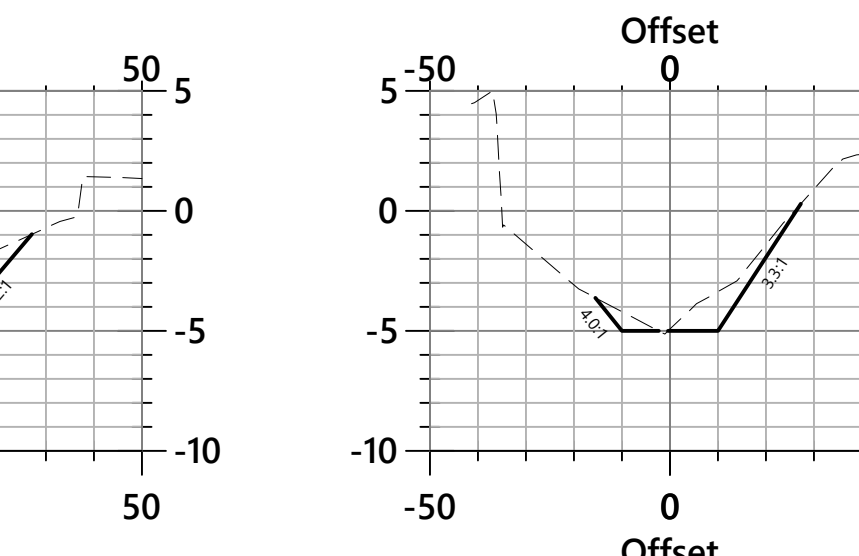
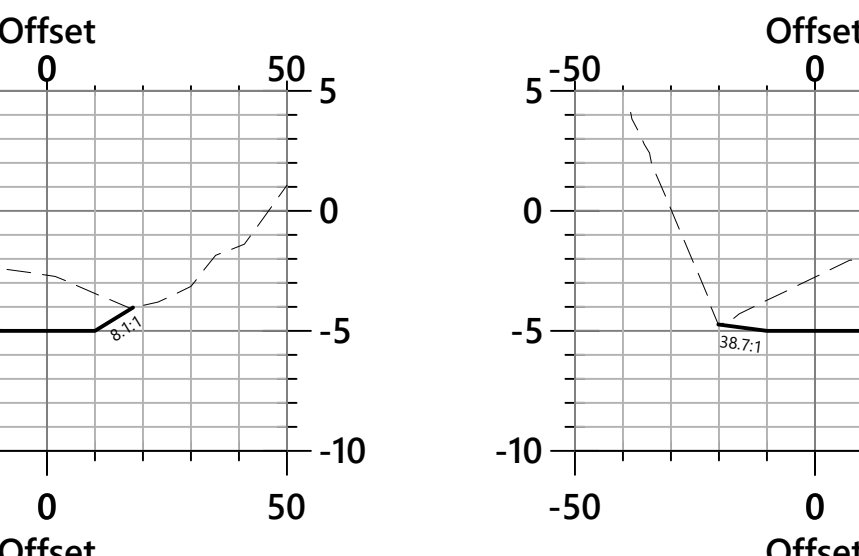
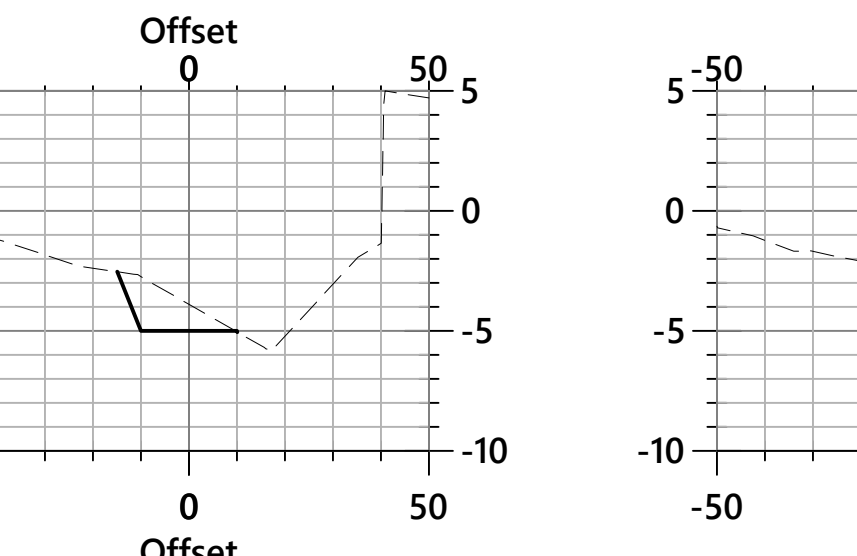
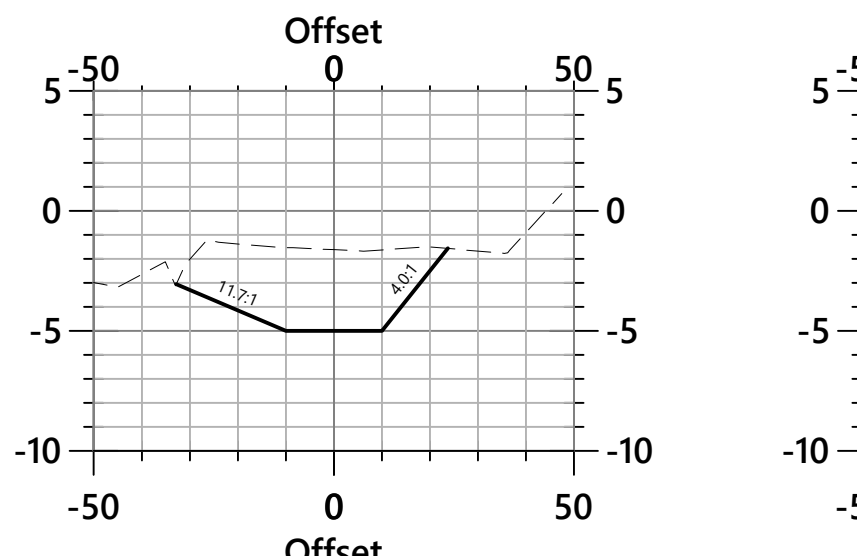
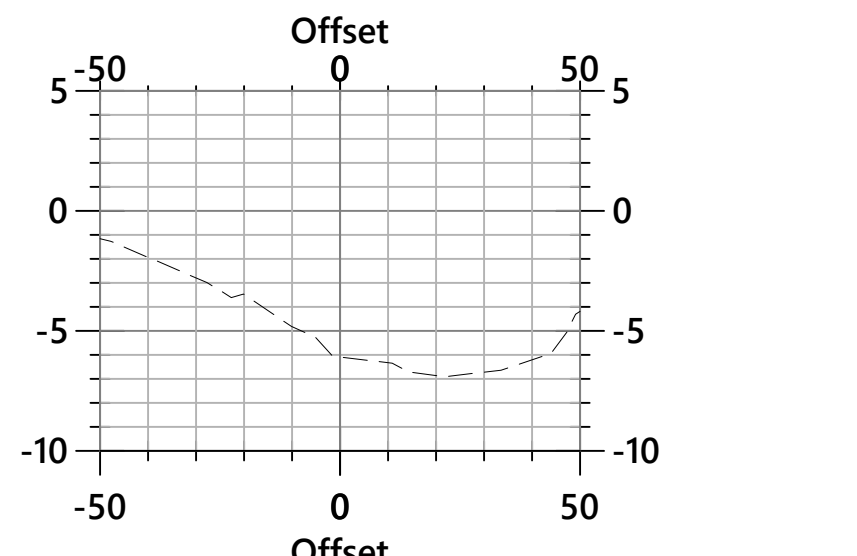
Project Number

66277.01

C3.10

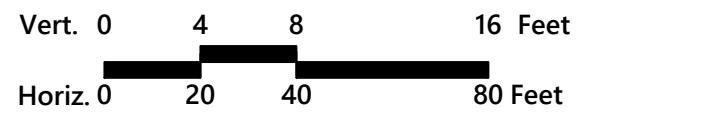
Sheet of

Saved Friday, October 1, 2021 11:44:45 AM MBURDICK Plotted Friday, October 1, 2021 12:22:38 PM Michael Burdick



Notes

1. ALL SIDE SLOPES ON CHANNEL TO BE 2:1 UNLESS OTHERWISE NOTED.
2. BOTTOM OF CHANNEL ELEVATION TO BE -5 MLW UNLESS OTHERWISE NOTED.
3. WIDTH OF CHANNEL BOTTOM TO BE 20' UNLESS OTHERWISE NOTED.



Weeki Wachee River Shoal Line Blvd. to E. Richard Dr. Weeki Wachee, Florida

No.	Revision	Date	App'd.
1	SWPMD Comments	08/02/19	GMS
2	SWPMD Comments	11/30/19	GMS
3	SWPMD Comments	01/30/20	GMS
4	SWPMD Comments	09/28/21	GMS

Designed by _____ Checked by _____
Issued for _____ Date _____
100% Plans May 15, 2020

Cross Sections

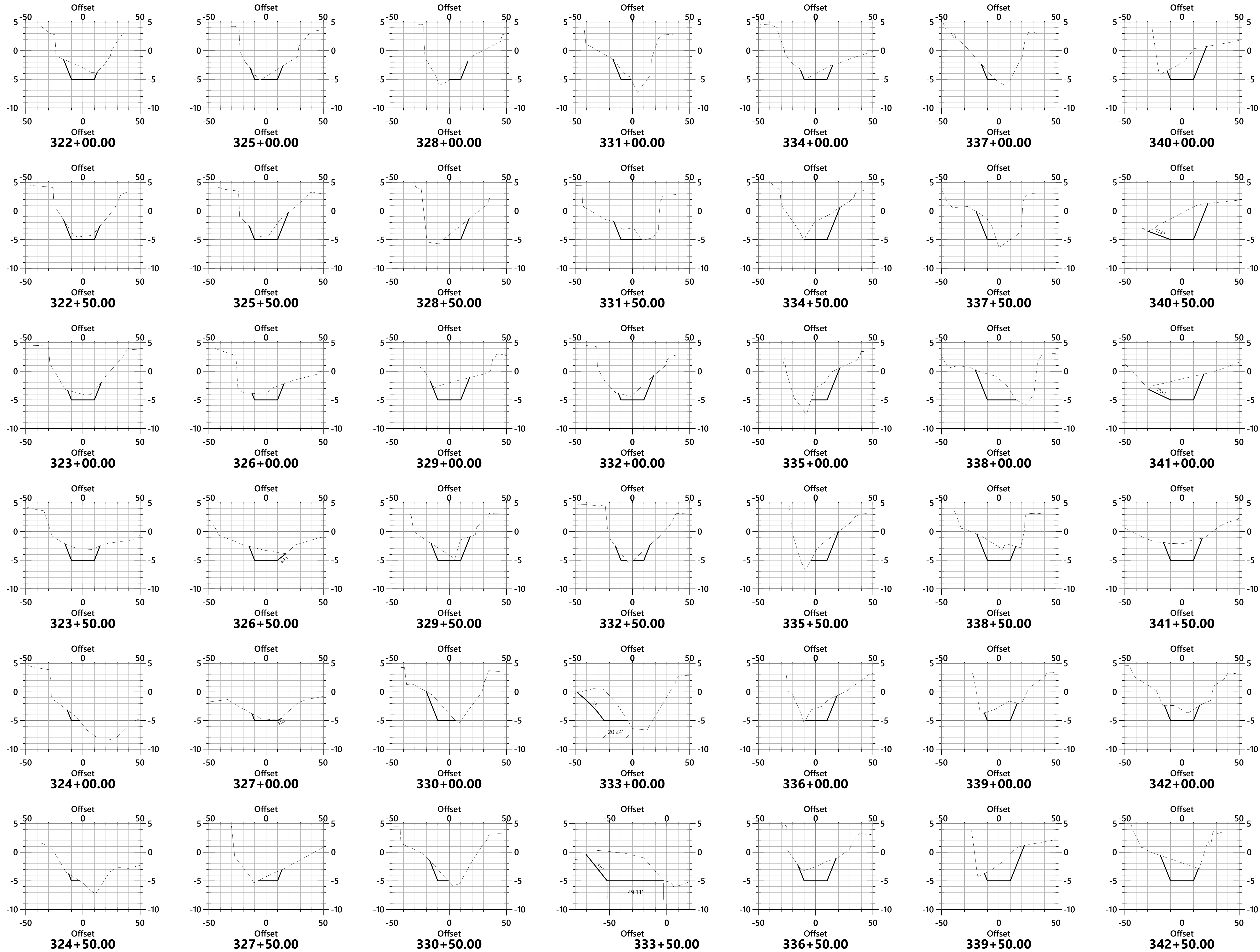
Drawing Title

Drawing Number

C4.01

Sheet _____ of _____

Project Number
Mehul Patel, P.E.
Florida License No. 75549
66277.01



- Notes**
1. ALL SIDE SLOPES ON CHANNEL TO BE 2:1 UNLESS OTHERWISE NOTED.
 2. BOTTOM OF CHANNEL ELEVATION TO BE -5 MLW UNLESS OTHERWISE NOTED.
 3. WIDTH OF CHANNEL BOTTOM TO BE 20' UNLESS OTHERWISE NOTED.



Weeki Wachee River
Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

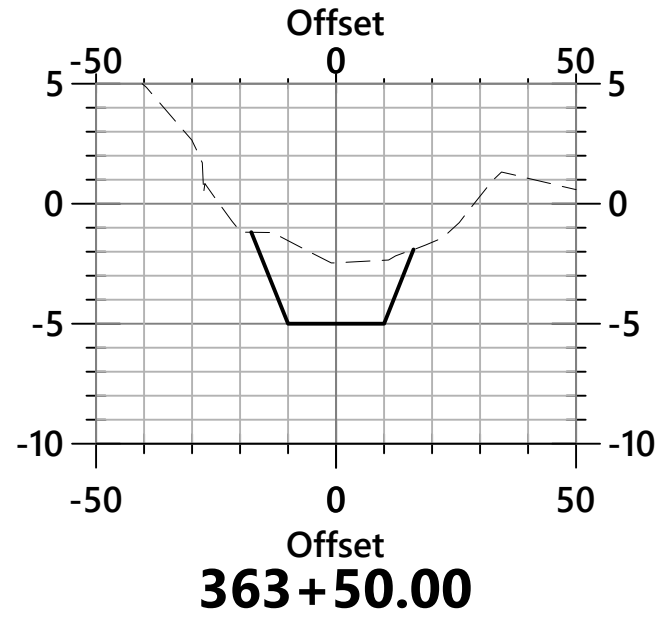
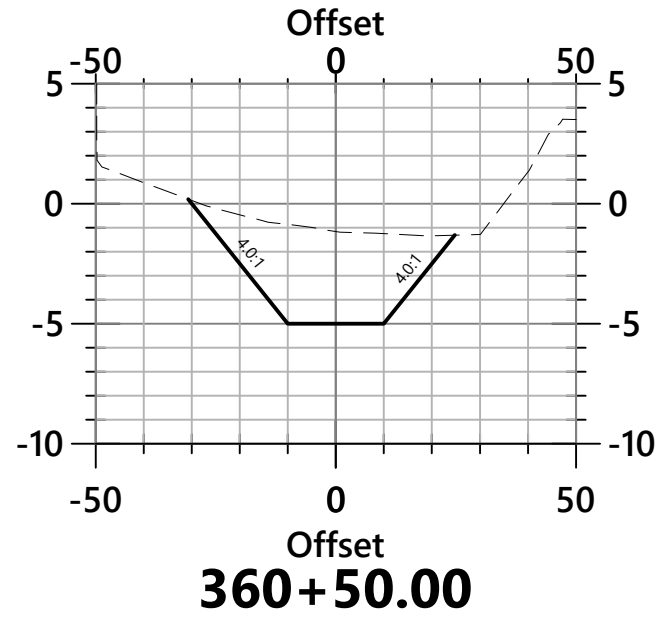
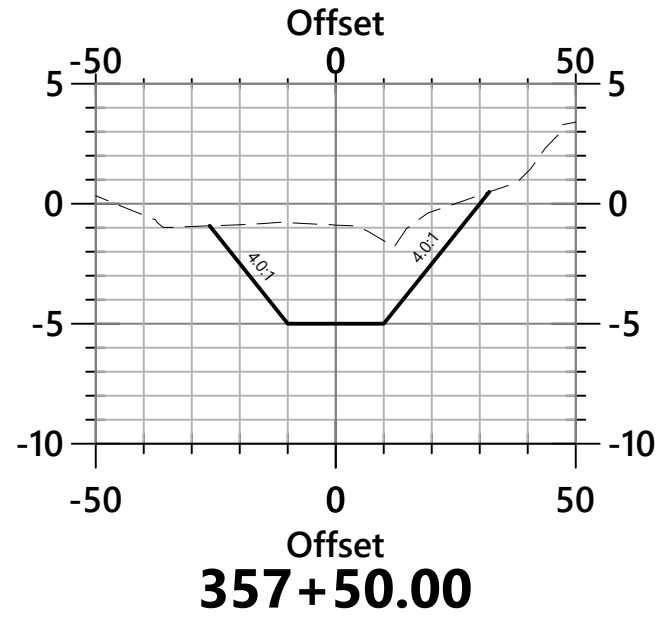
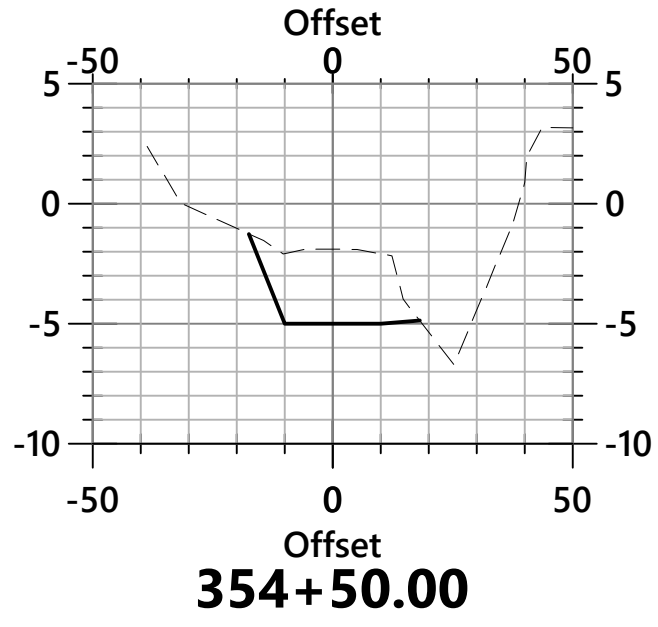
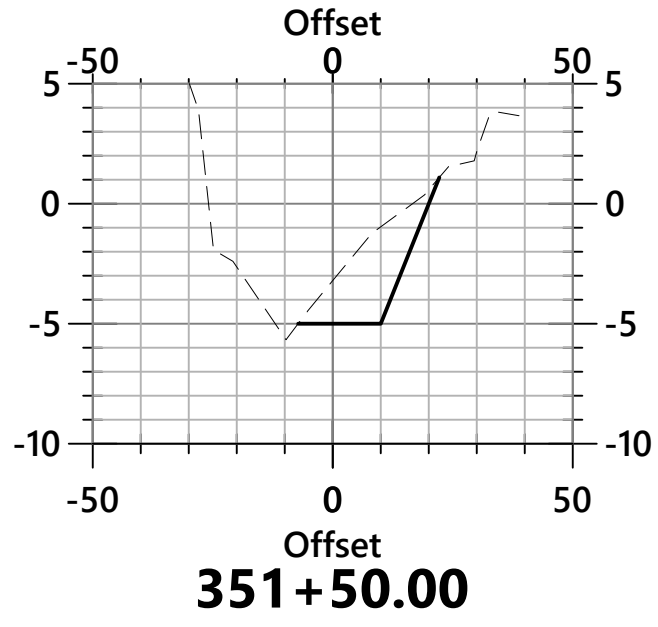
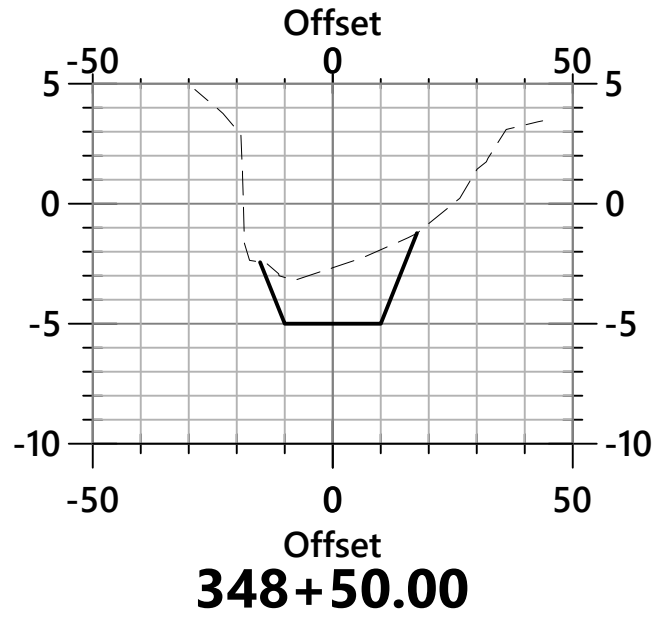
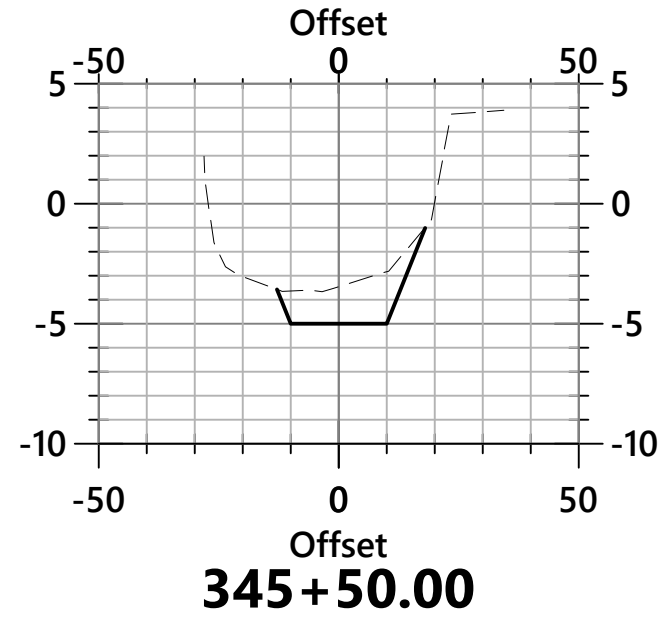
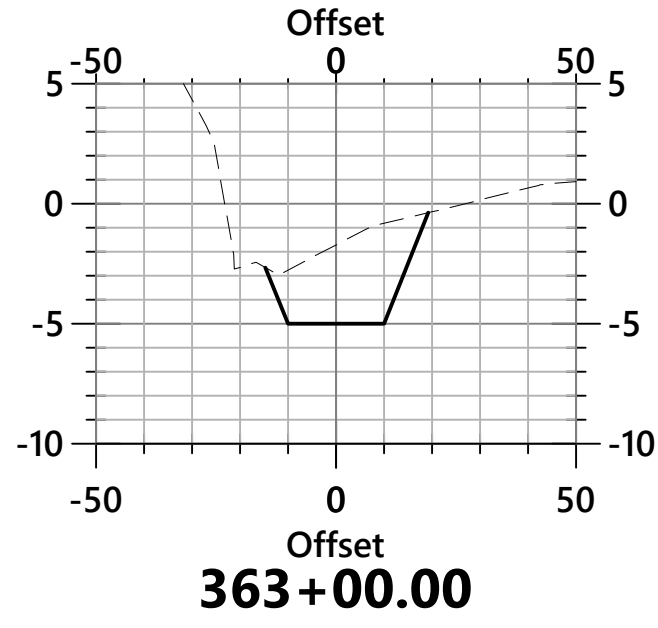
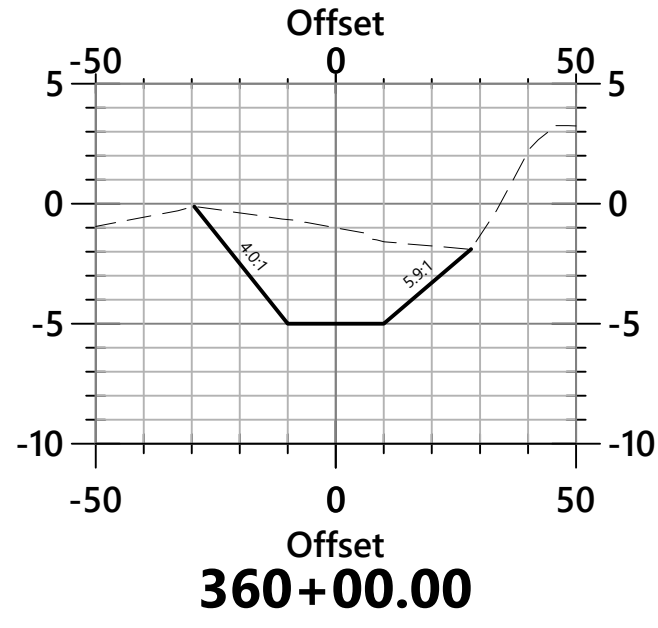
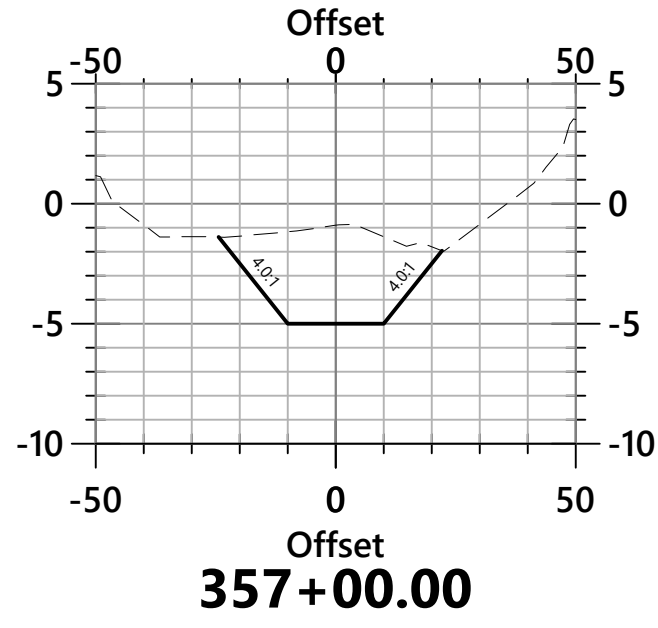
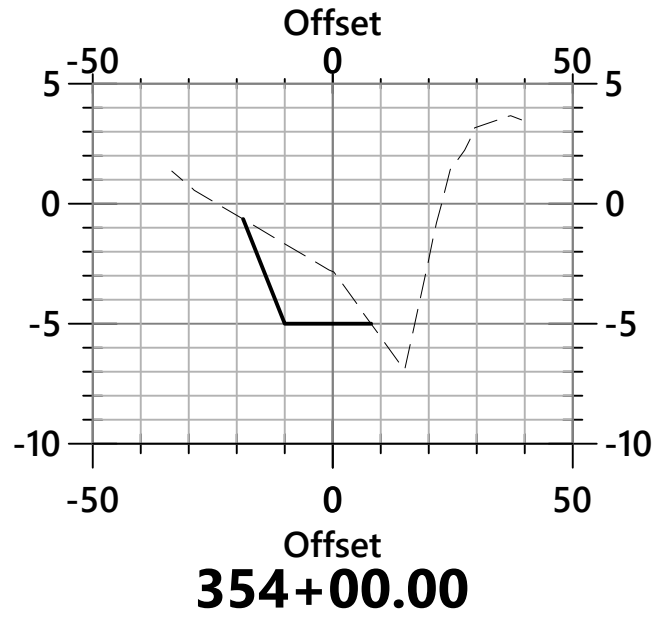
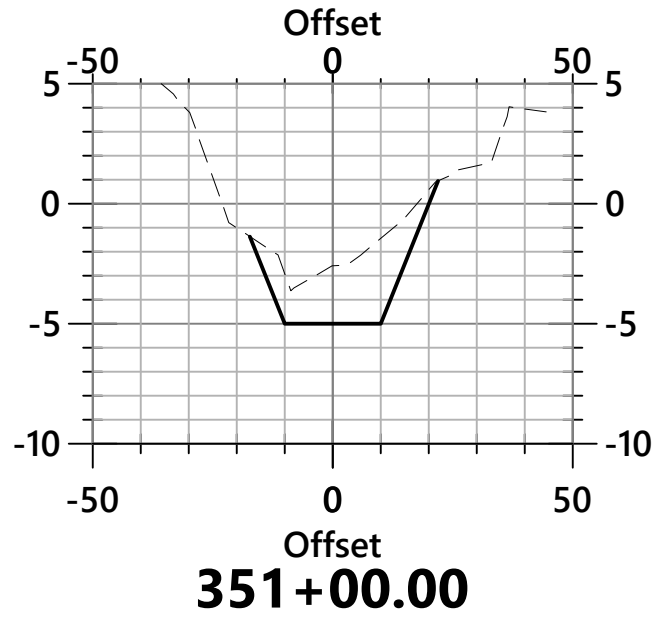
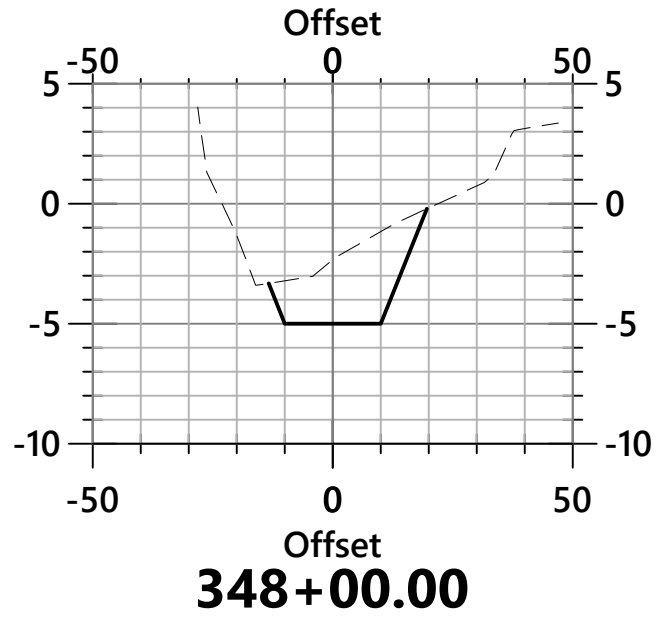
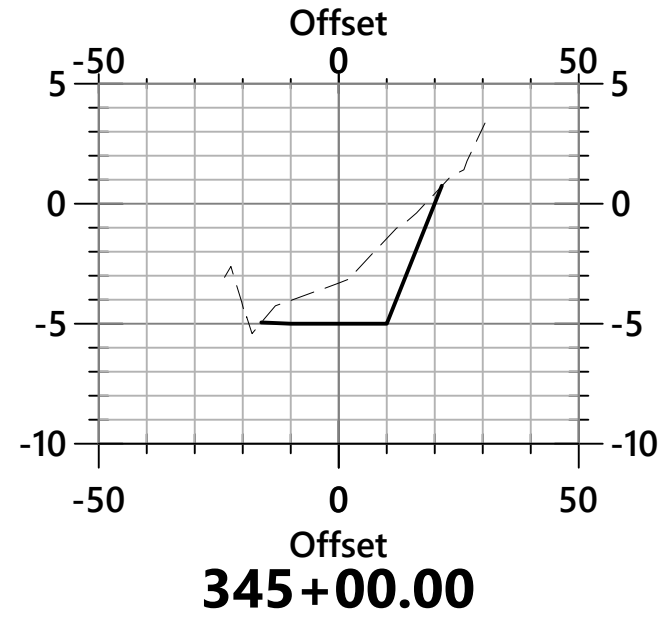
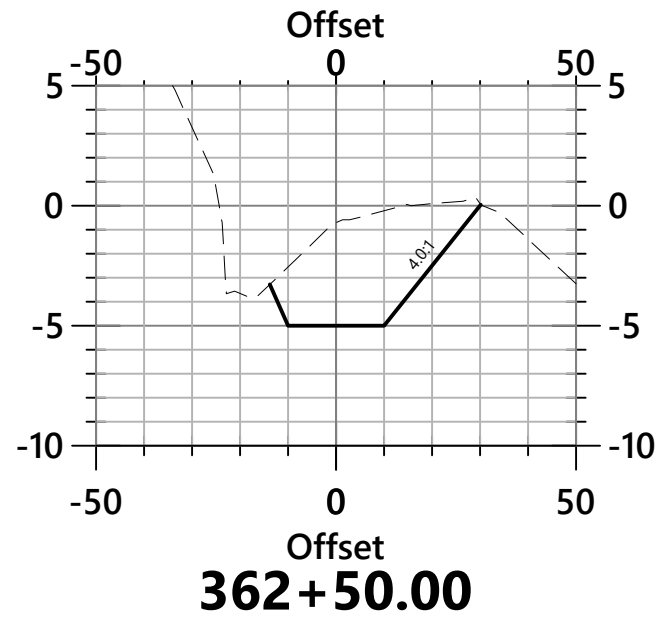
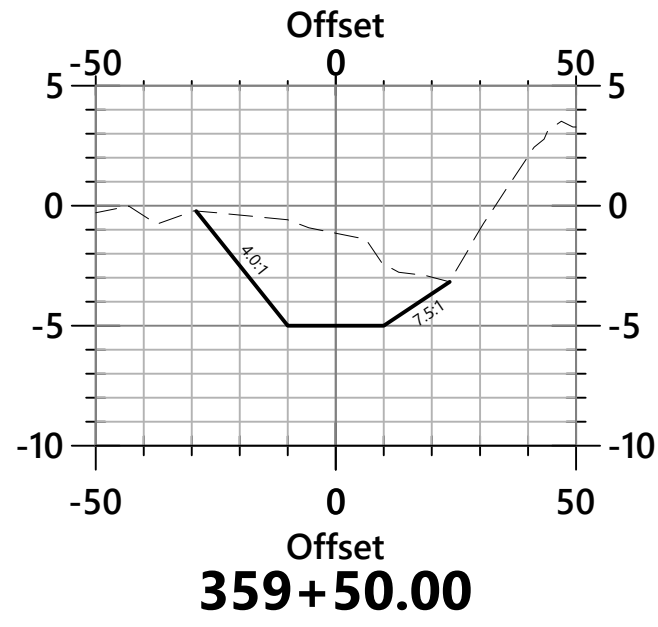
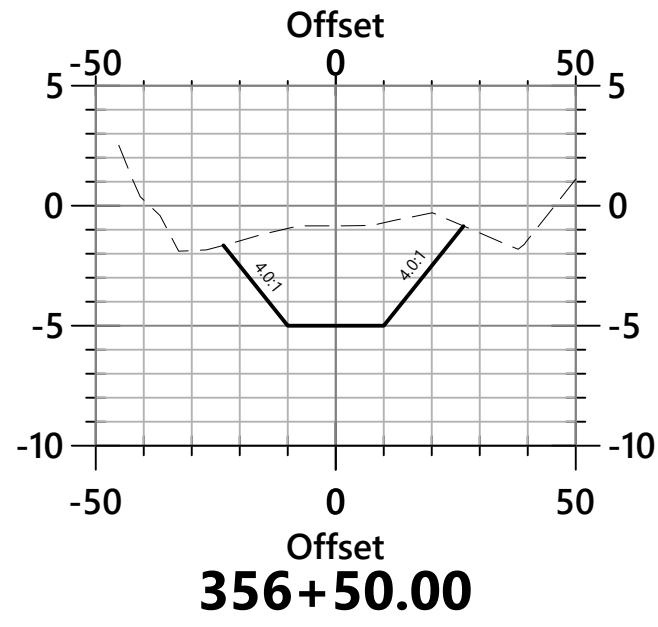
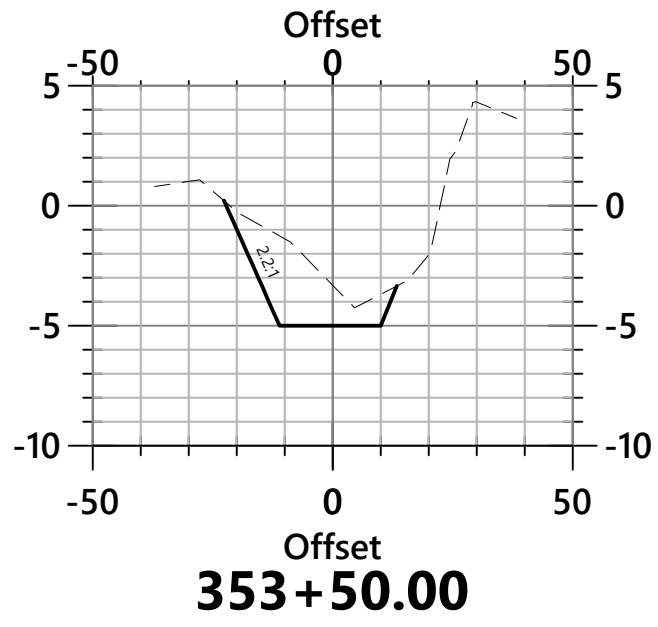
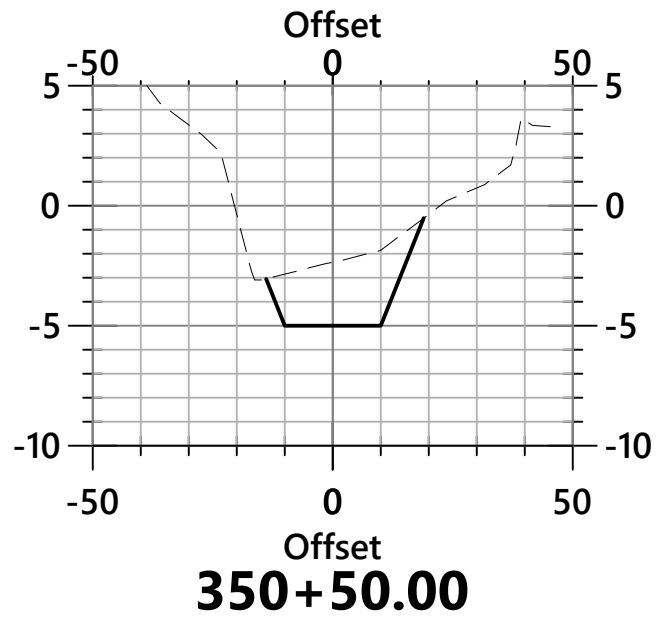
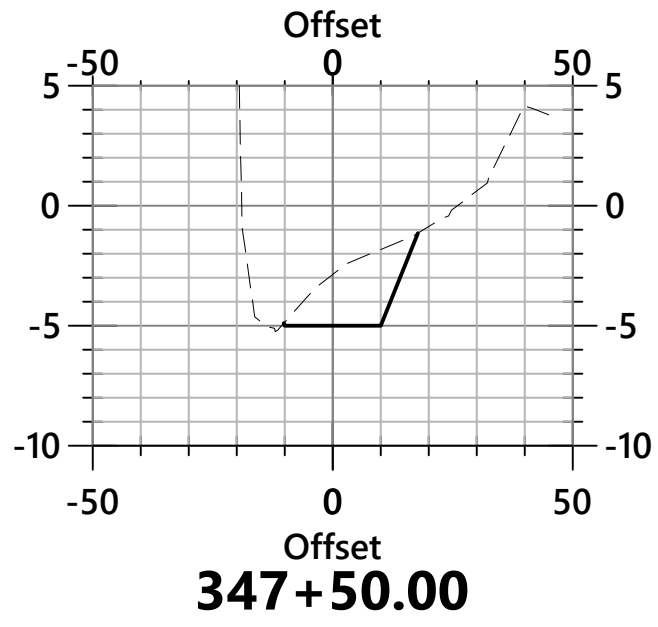
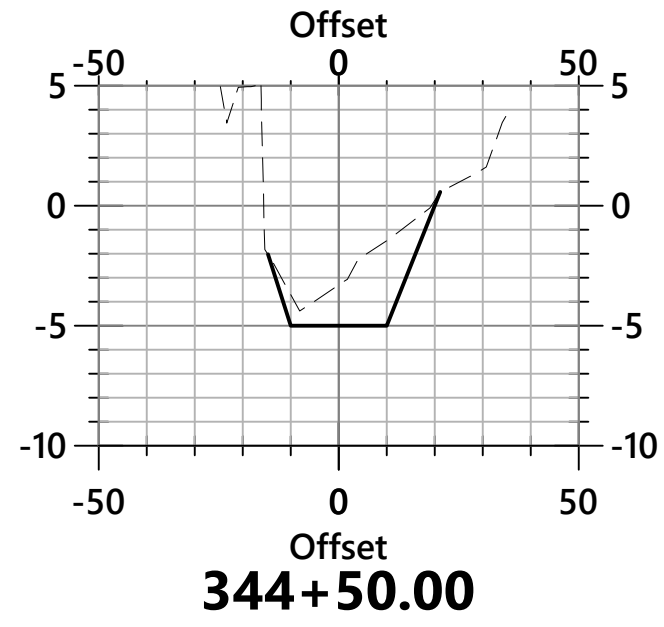
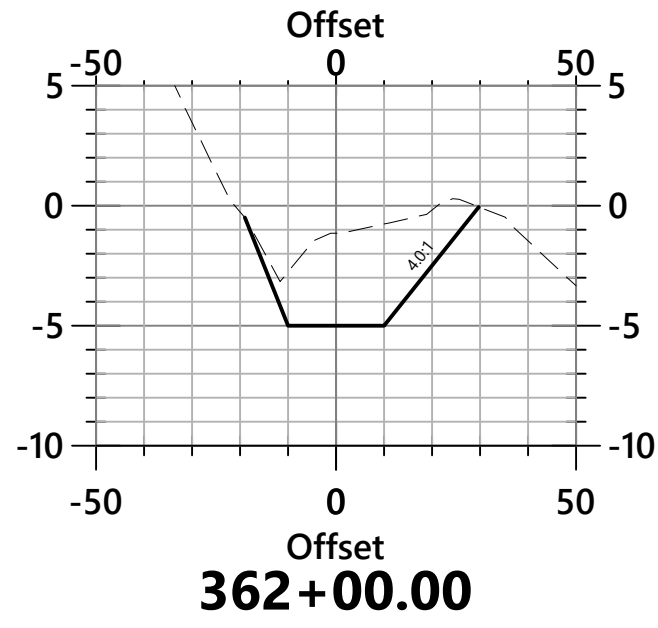
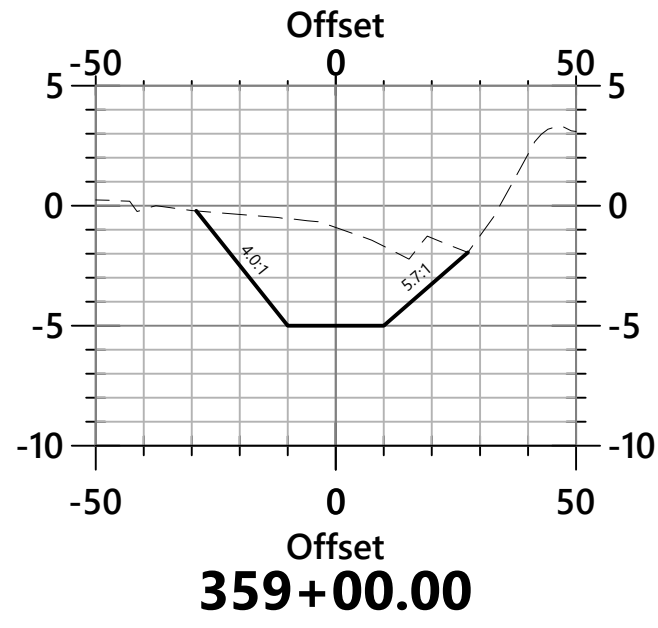
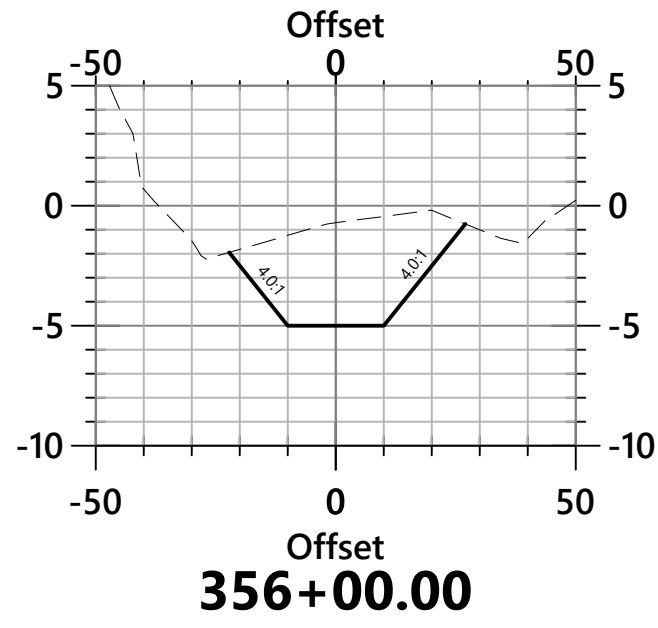
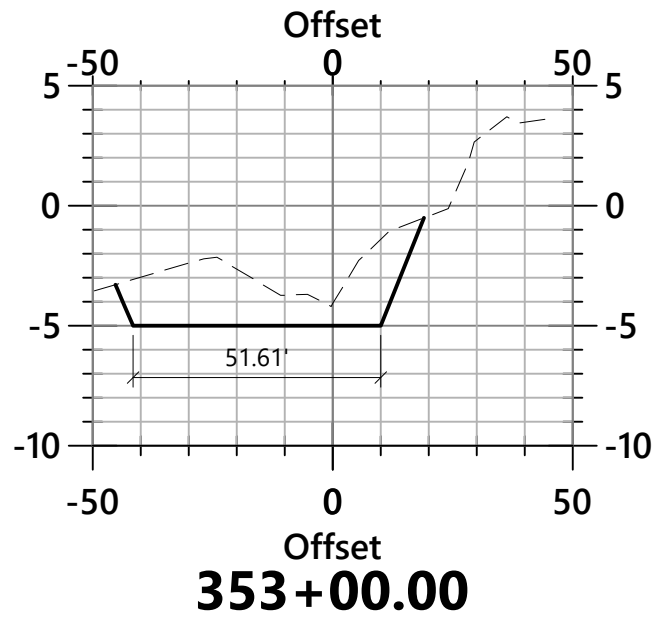
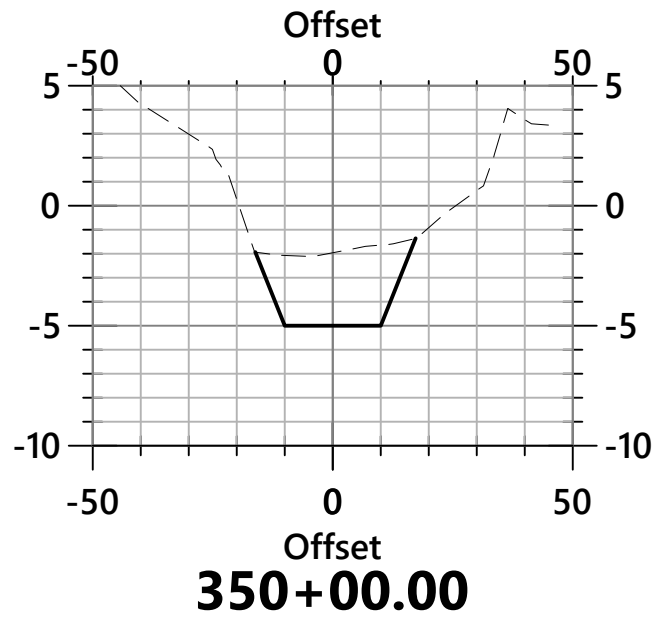
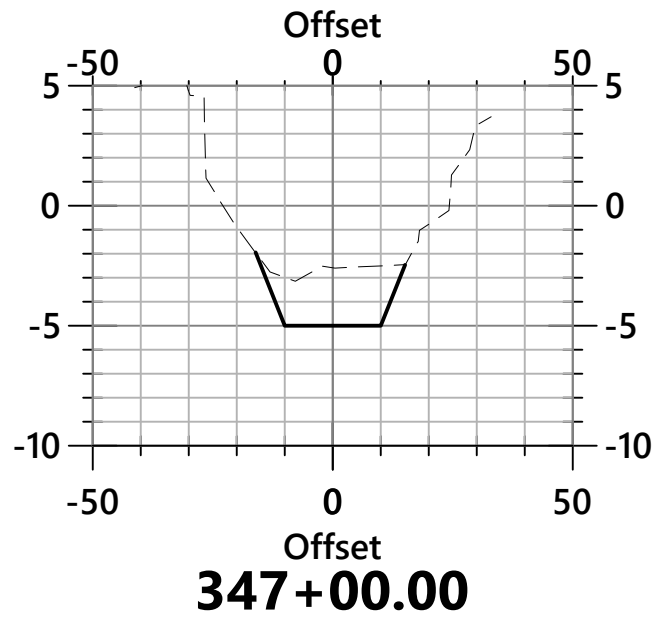
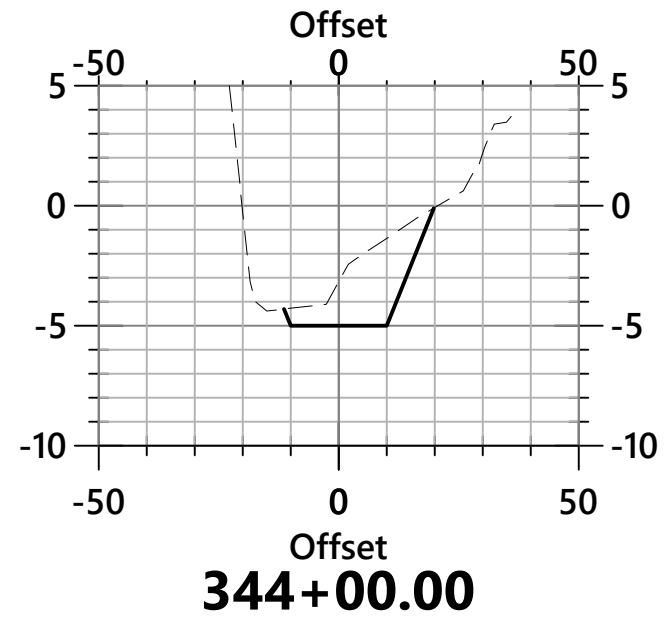
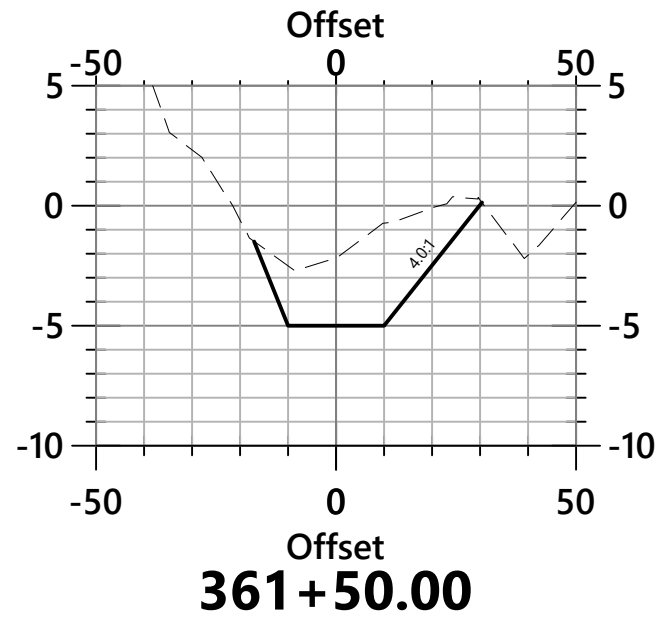
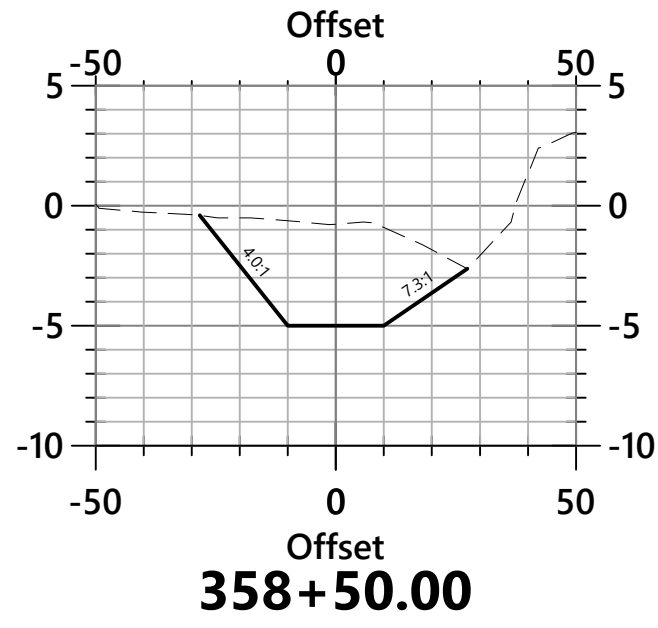
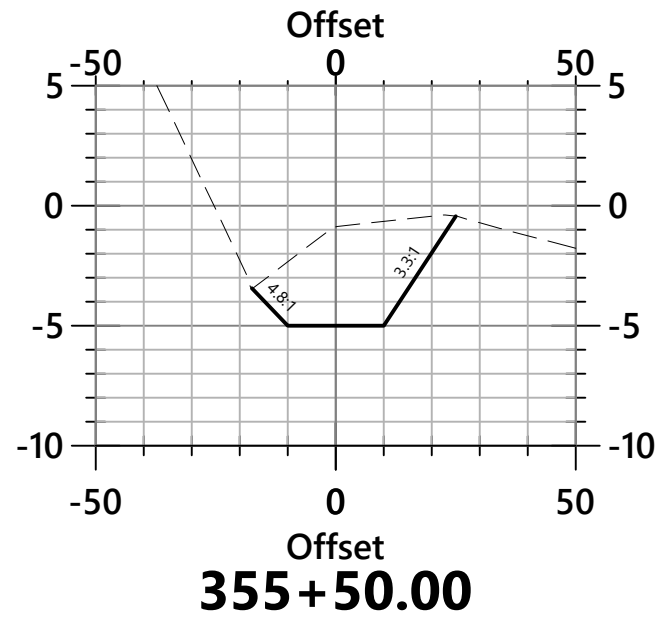
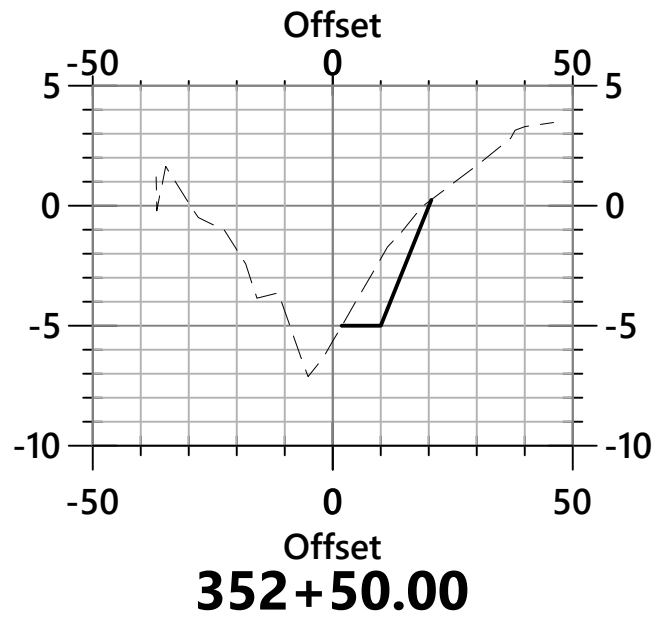
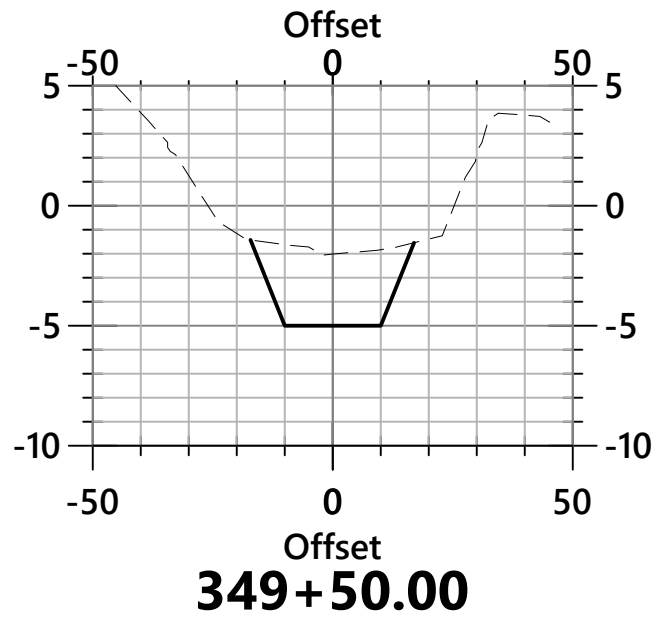
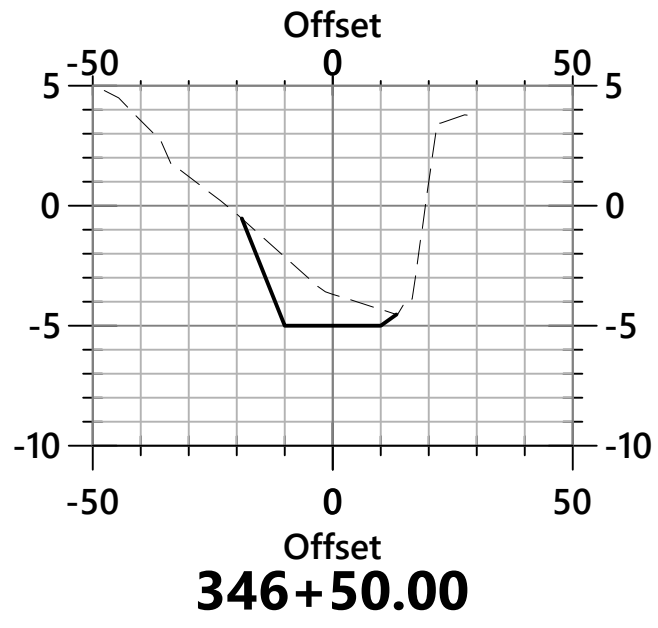
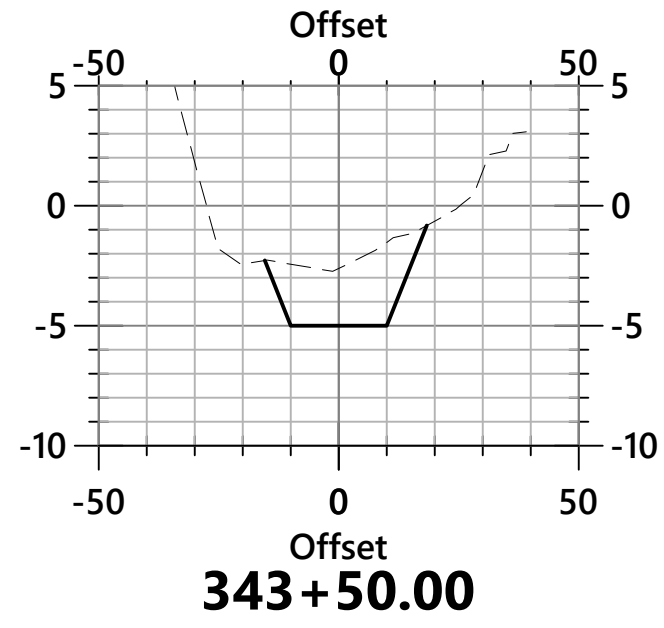
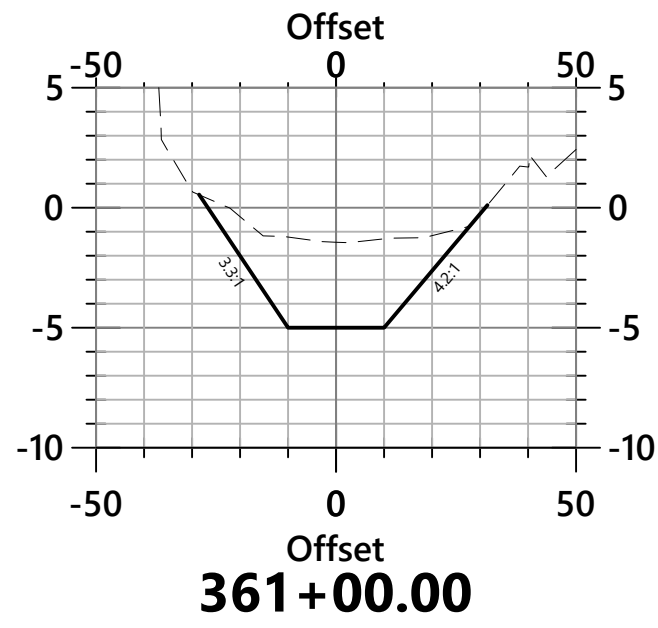
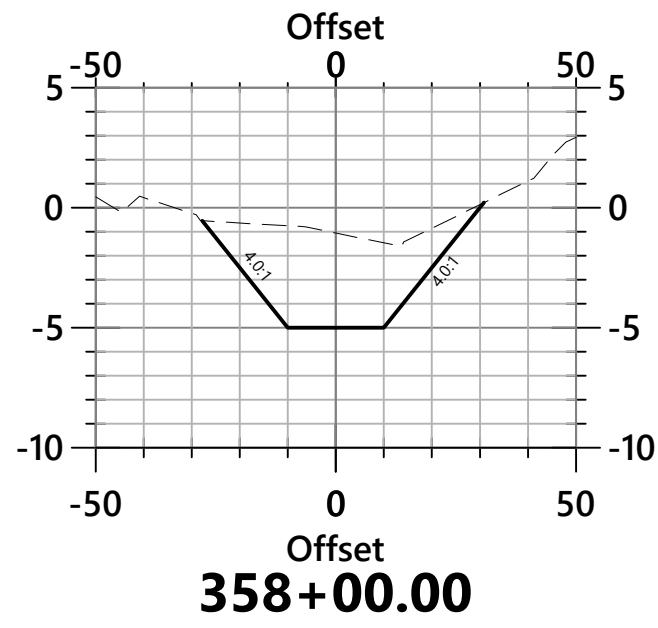
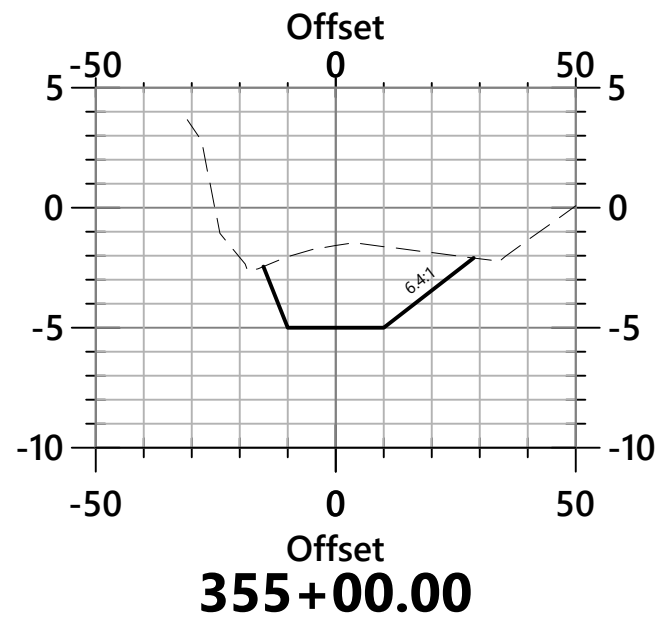
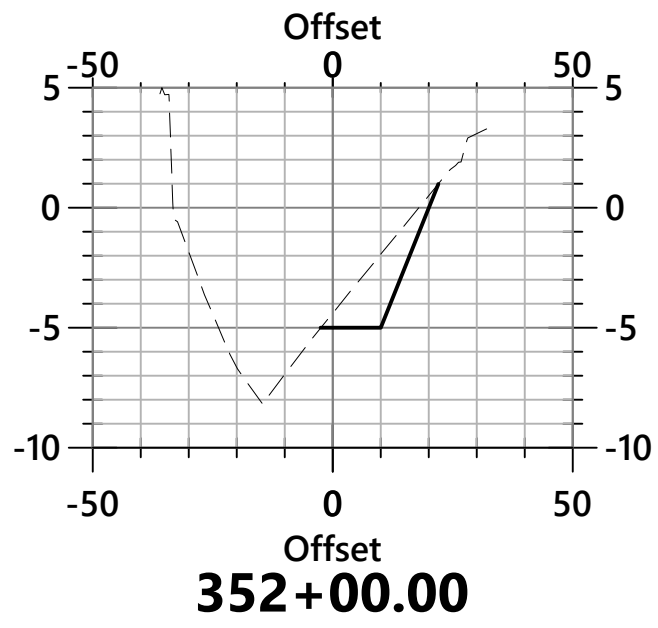
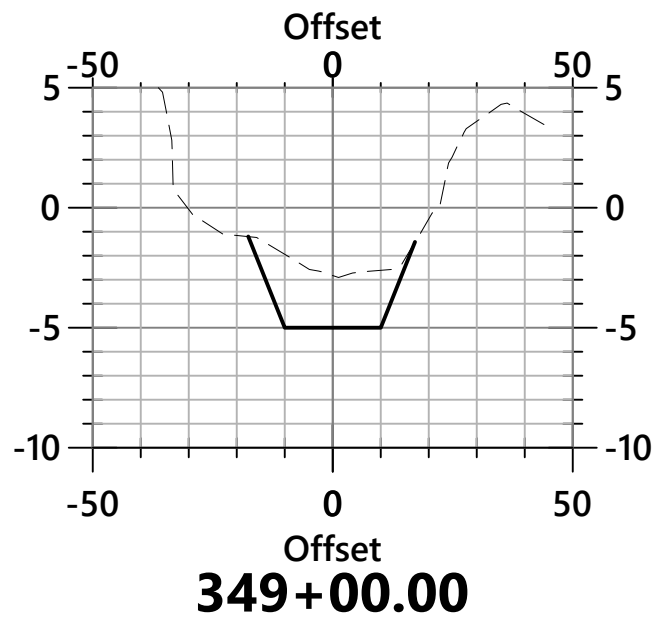
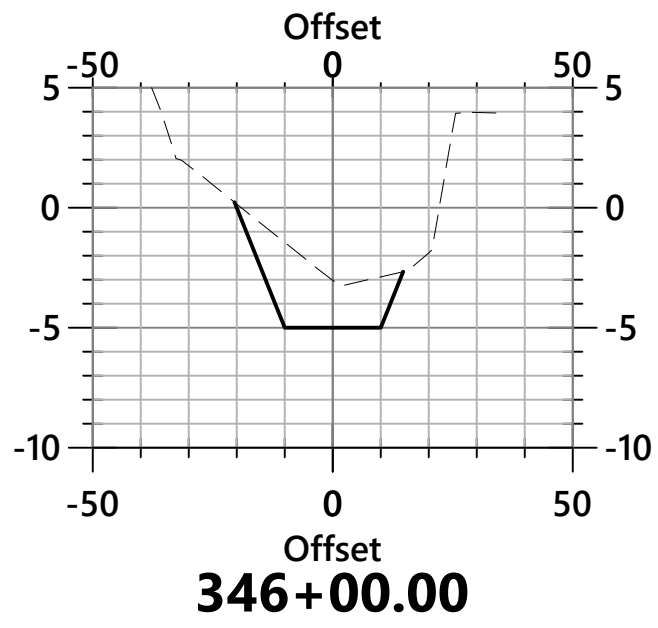
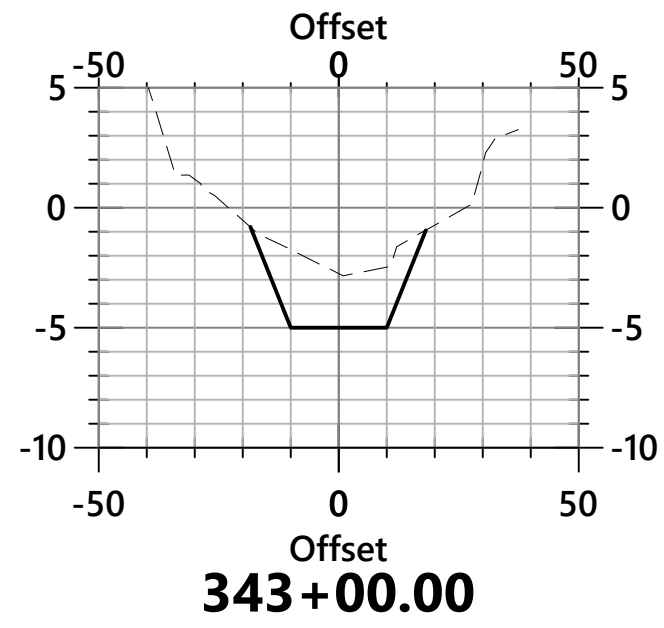
No.	Revision	Date	Appvd.
1	SWFWMD Comments	08/02/19	GMS
2	SWFWMD Comments	11/30/19	GMS
3	SWFWMD Comments	01/30/20	GMS
4	SWFWMD Comments	09/28/21	GMS

Designed by _____ Checked by _____
Issued for _____ Date May 15, 2020

100% Plans

Cross Sections

Drawing Title
C4.02
Drawing Number
Sheet _____ of _____
Project Number
66277.01
Mehul Patel, P.E.
Florida License No. 75549



Notes

1. ALL SIDE SLOPES ON CHANNEL TO BE 2:1 UNLESS OTHERWISE NOTED.
2. BOTTOM OF CHANNEL ELEVATION TO BE -5' MLW UNLESS OTHERWISE NOTED.
3. WIDTH OF CHANNEL BOTTOM TO BE 20' UNLESS OTHERWISE NOTED.



Weeki Wachee River Shoal Line Blvd. to E. Richard Dr. Weeki Wachee, Florida

No.	Revision	Date	Appr'd.
1	SWP/MD Comments	08/02/19	GMS
2	SWP/MD Comments	11/30/19	GMS
3	SWP/MD Comments	01/30/20	GMS
4	SWP/MD Comments	09/28/21	GMS

Designed by	Checked by
Issued for	Date

100% Plans May 15, 2020

Cross Sections

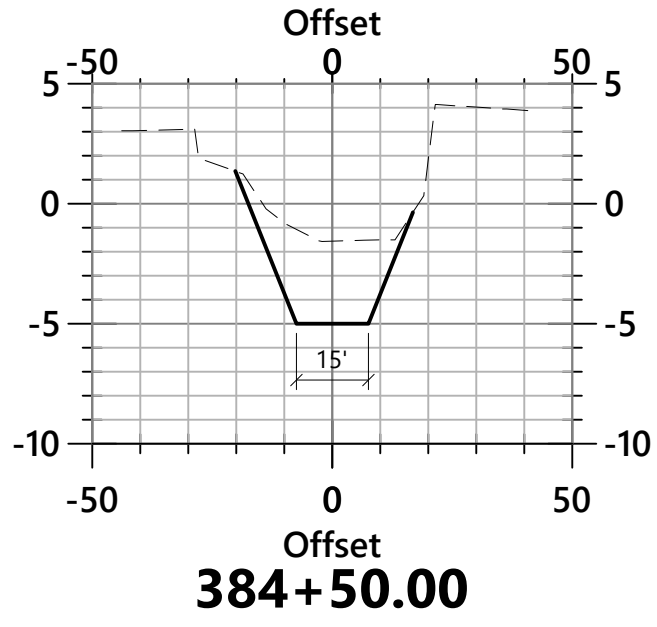
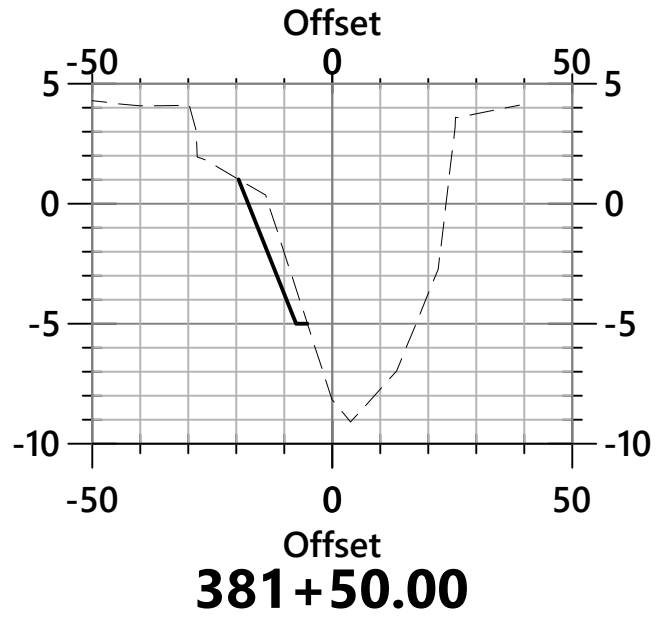
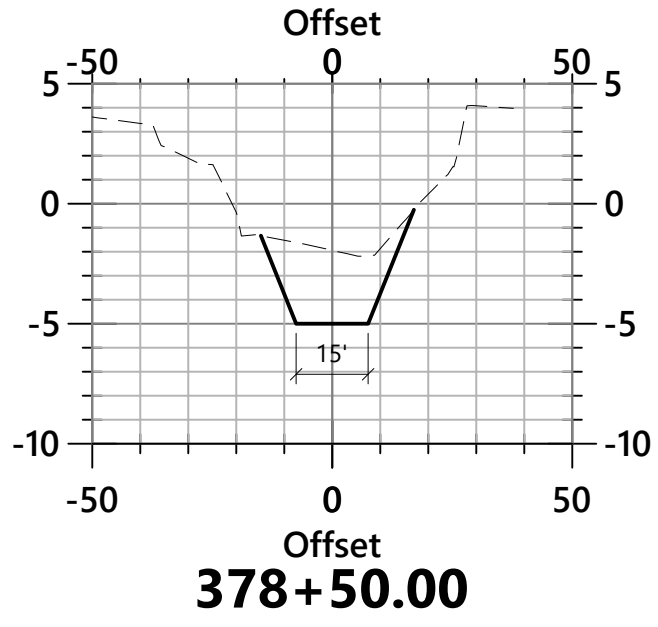
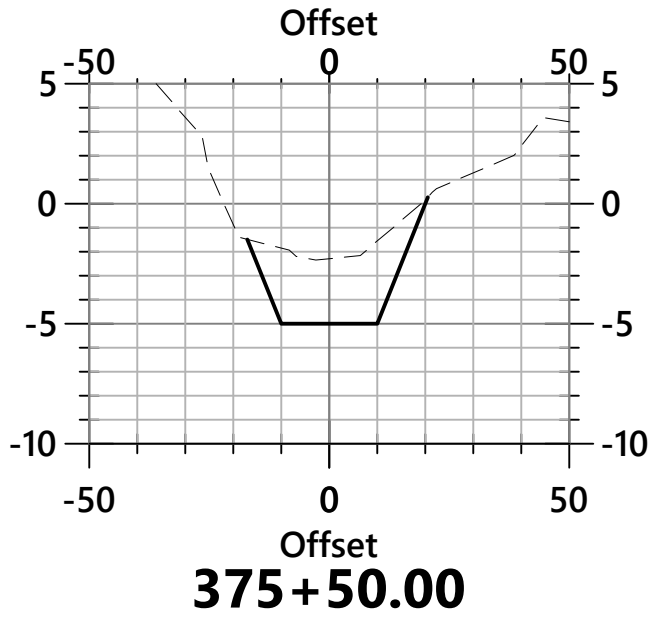
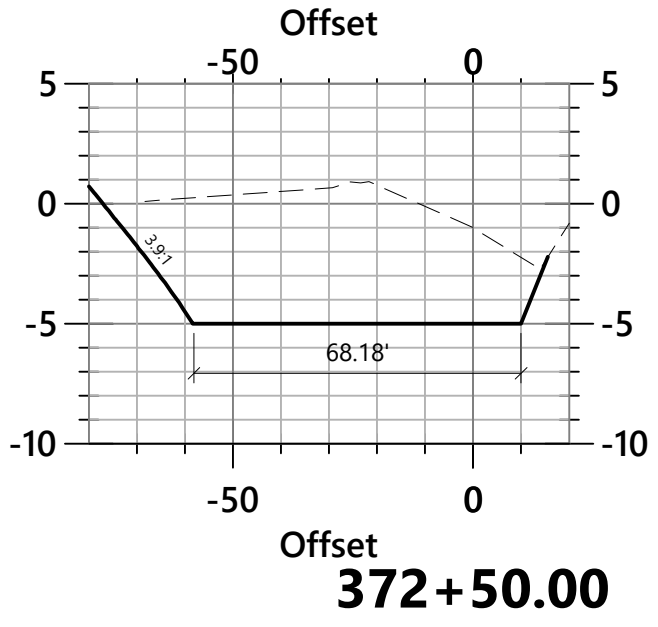
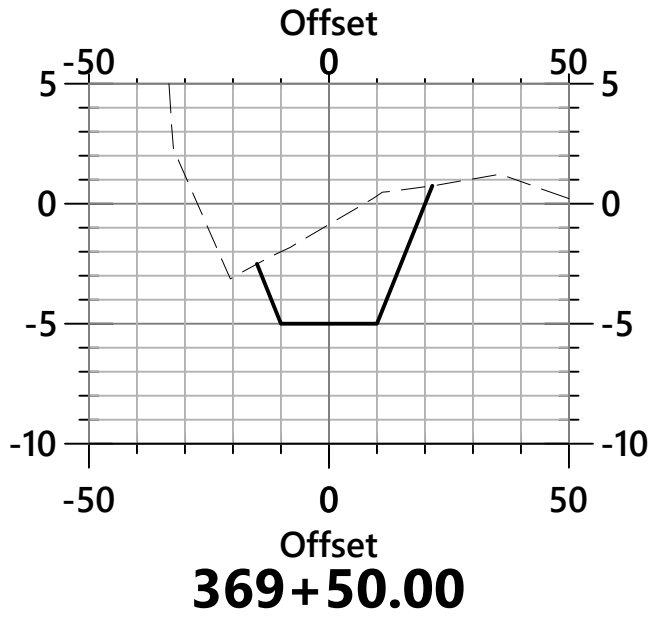
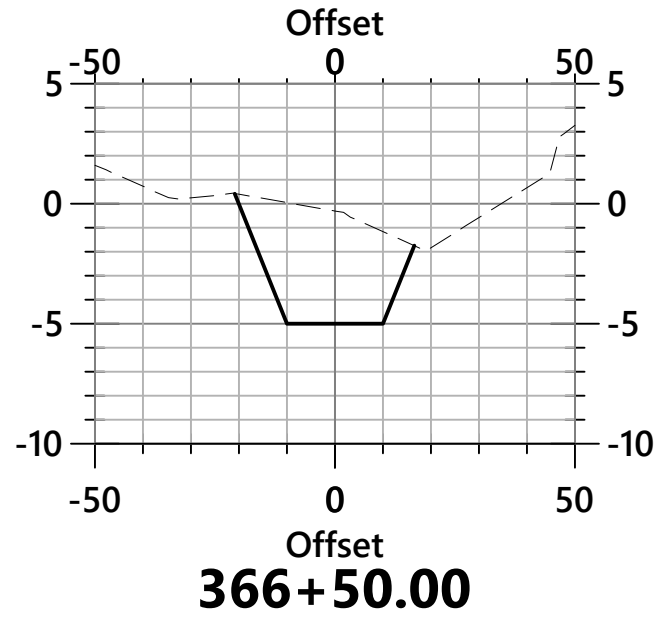
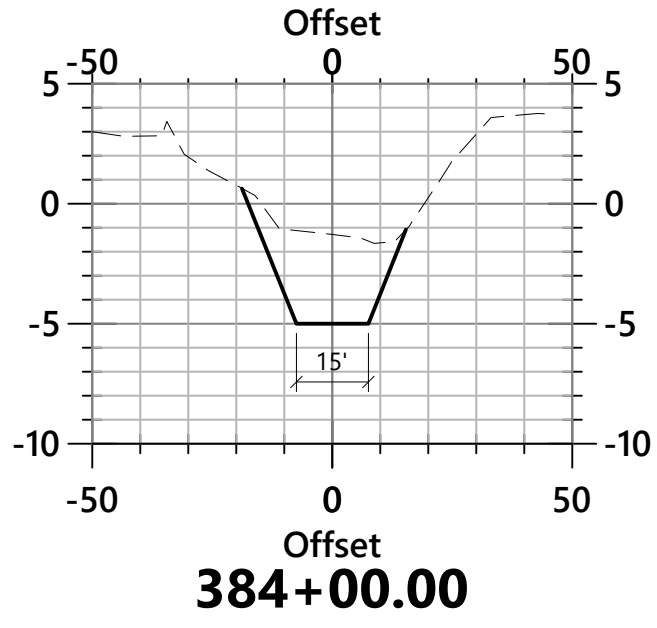
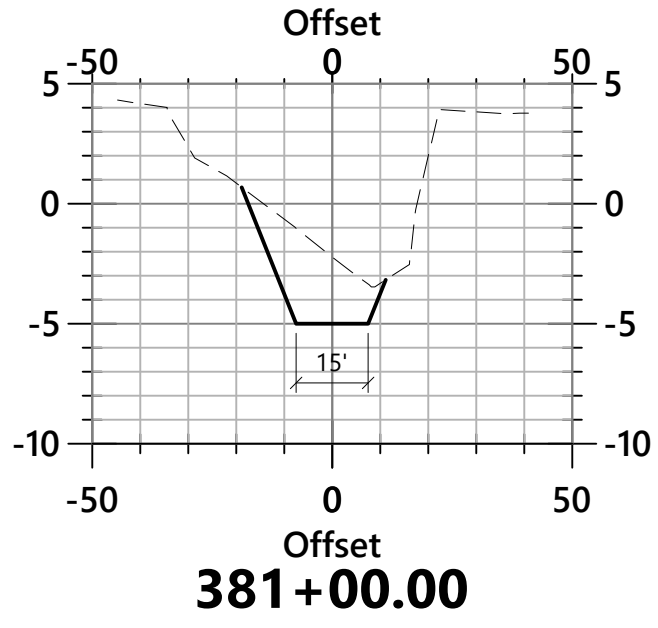
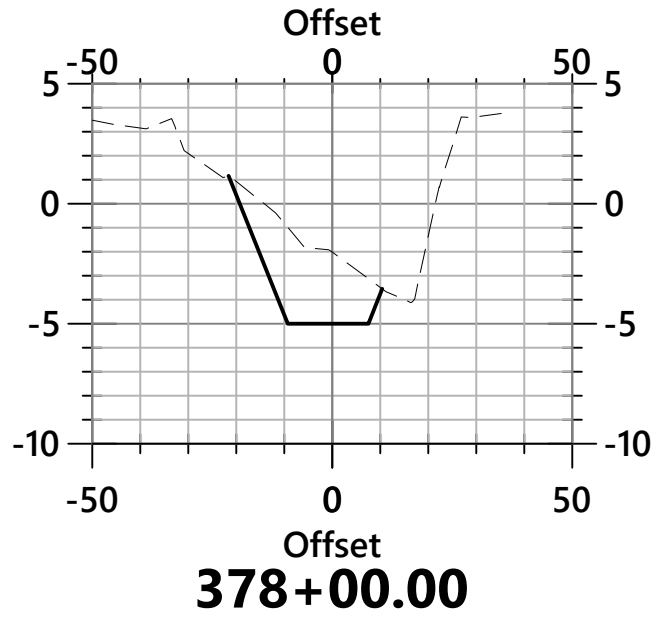
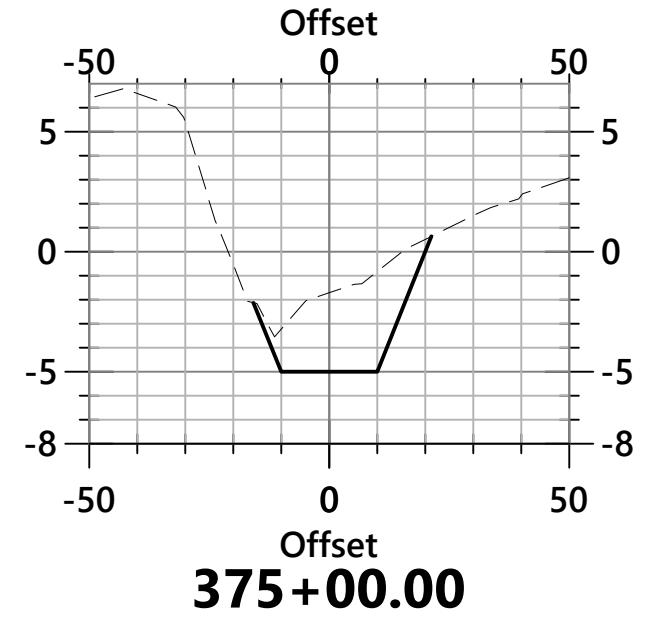
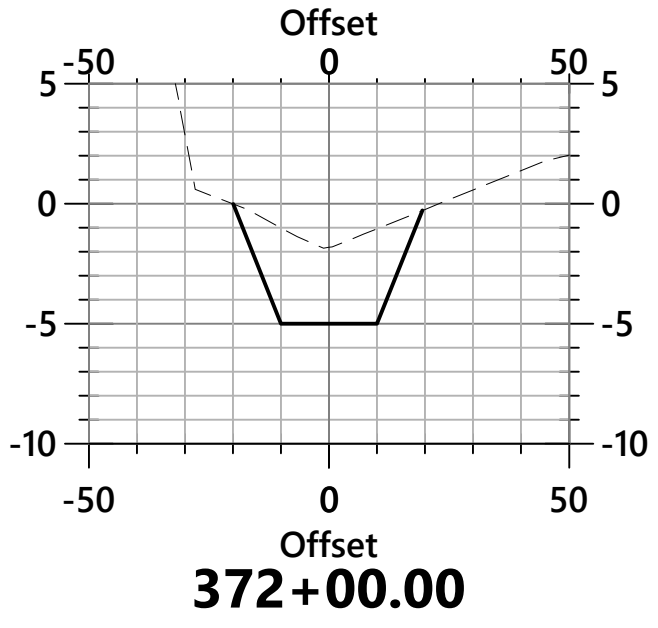
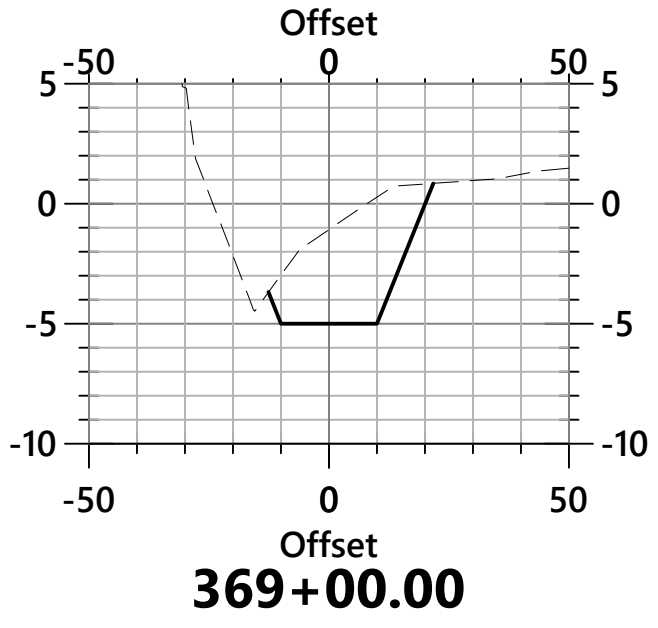
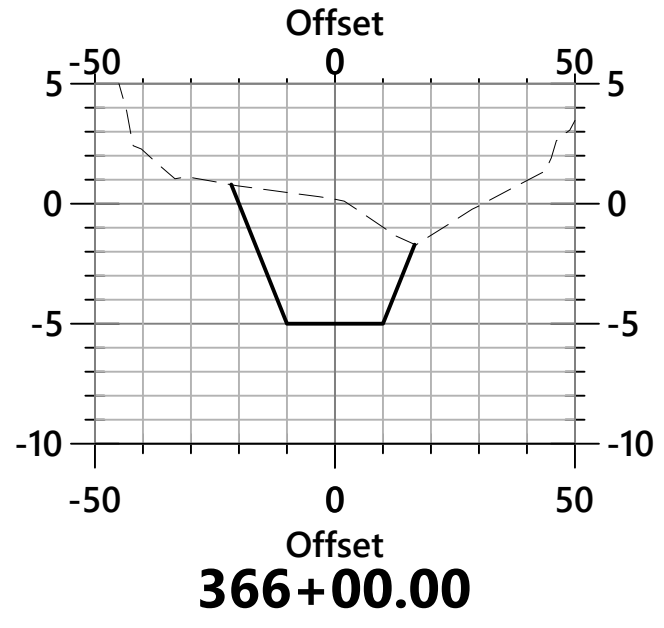
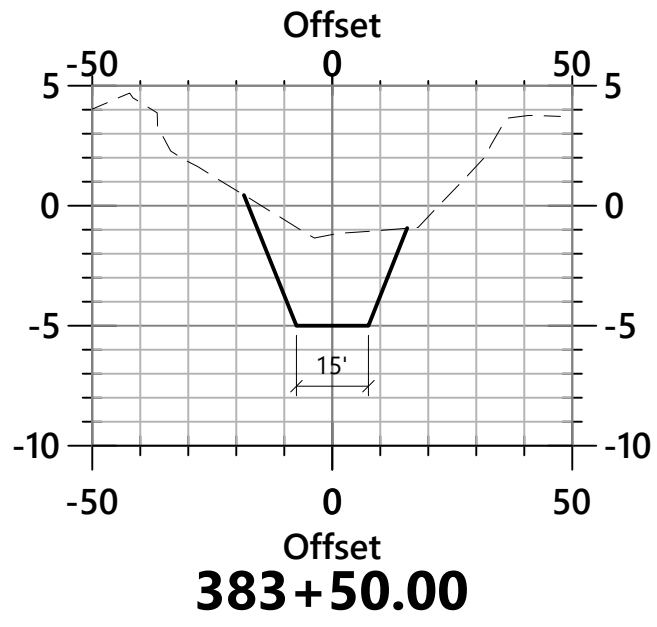
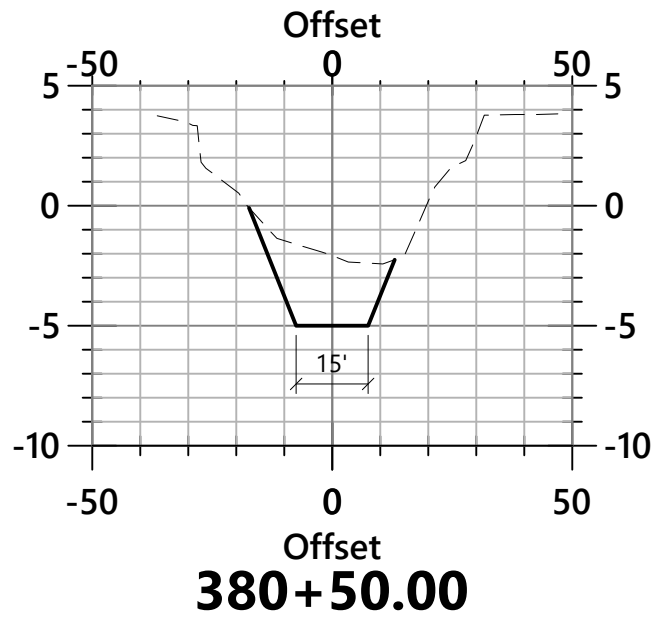
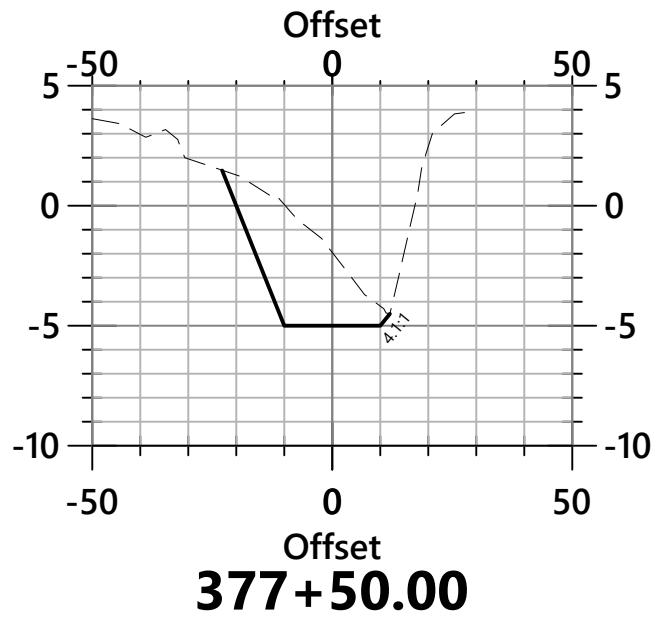
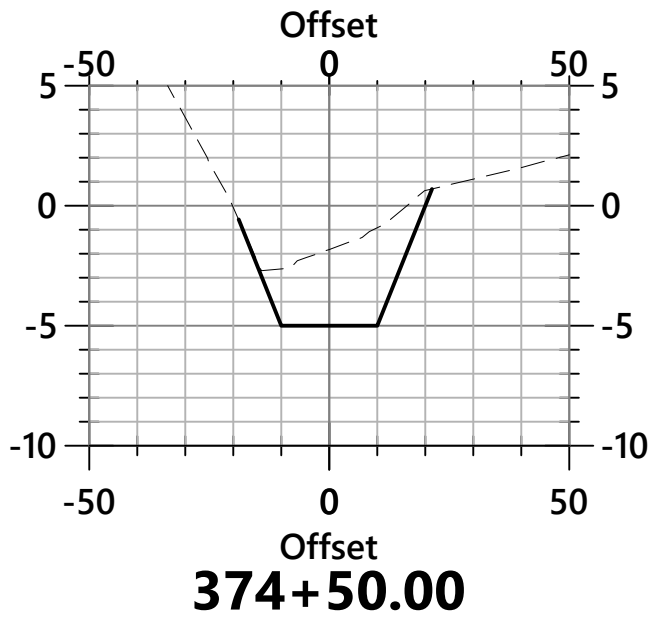
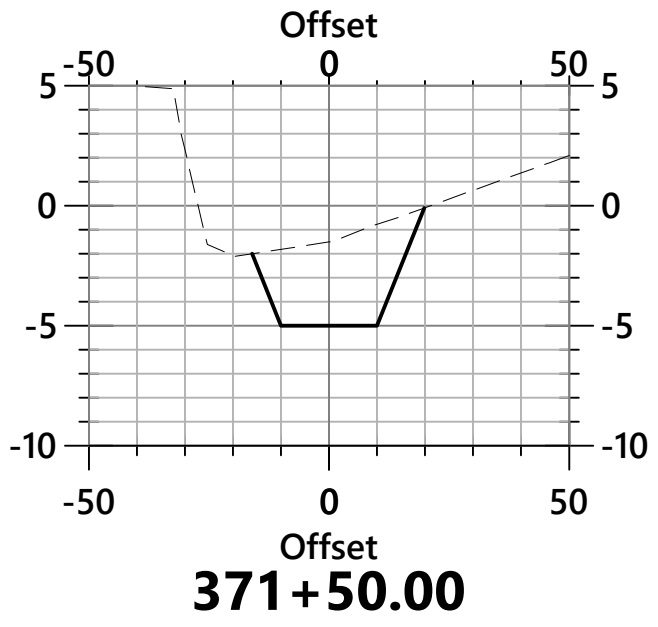
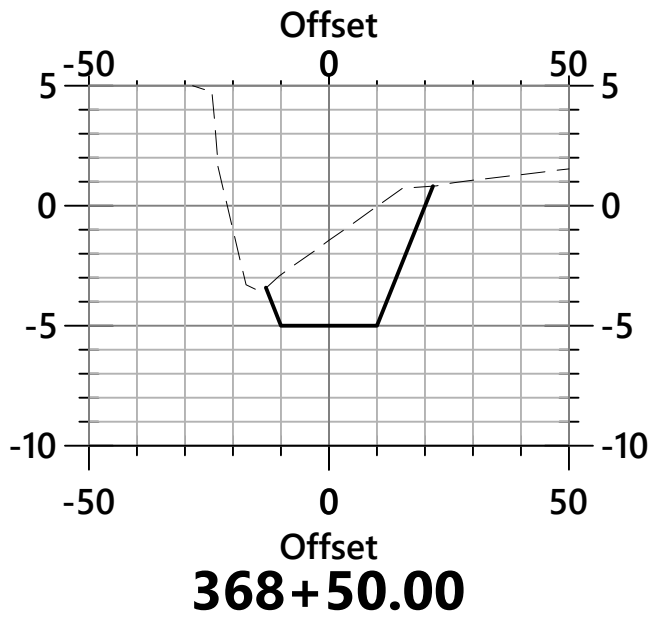
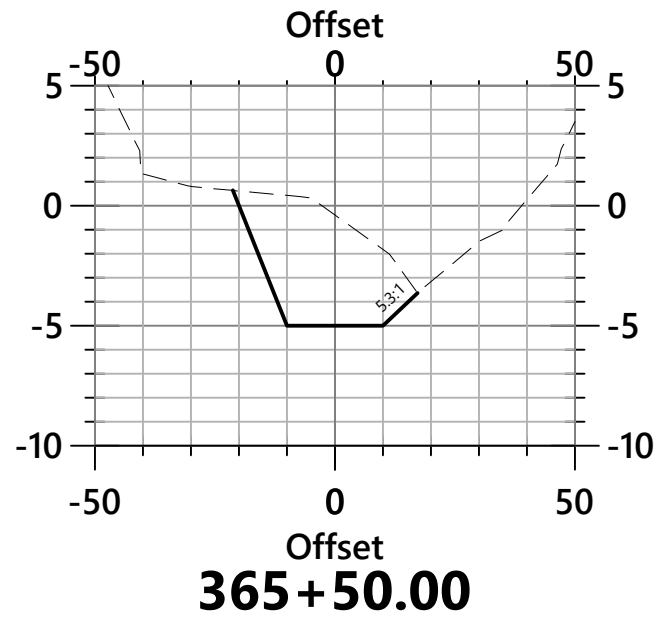
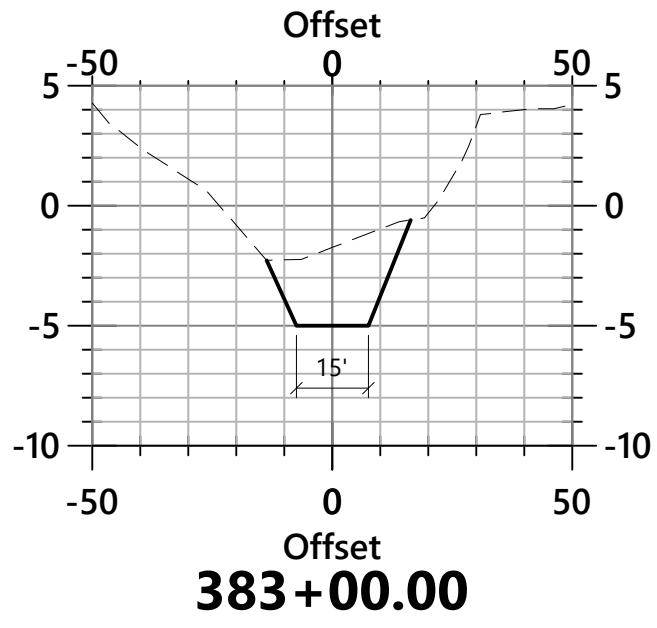
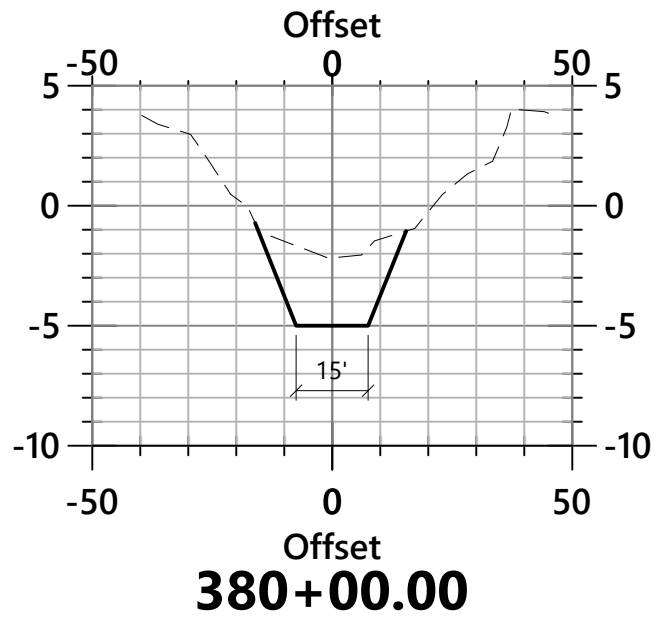
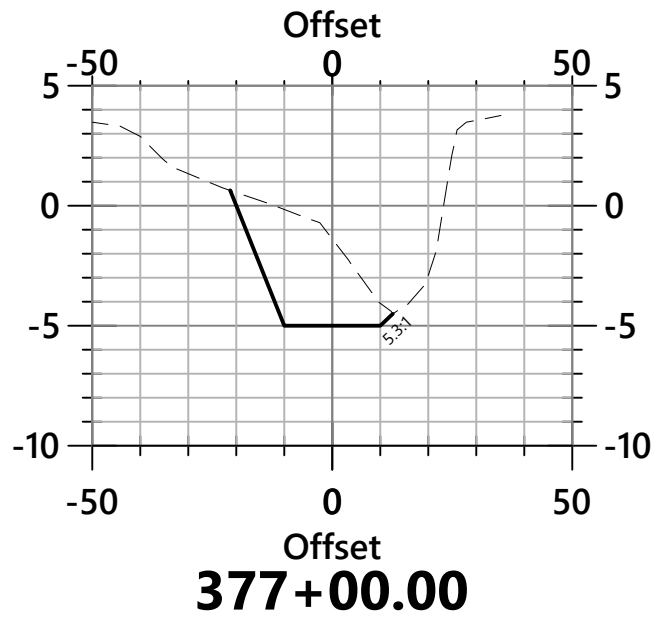
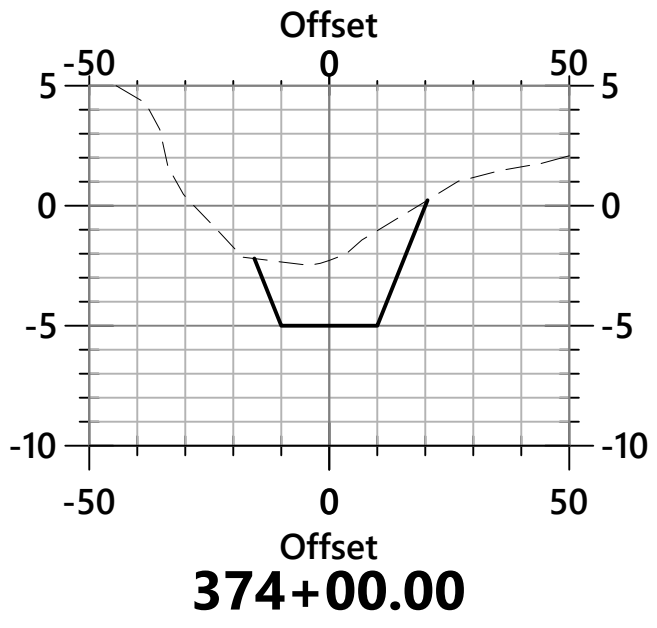
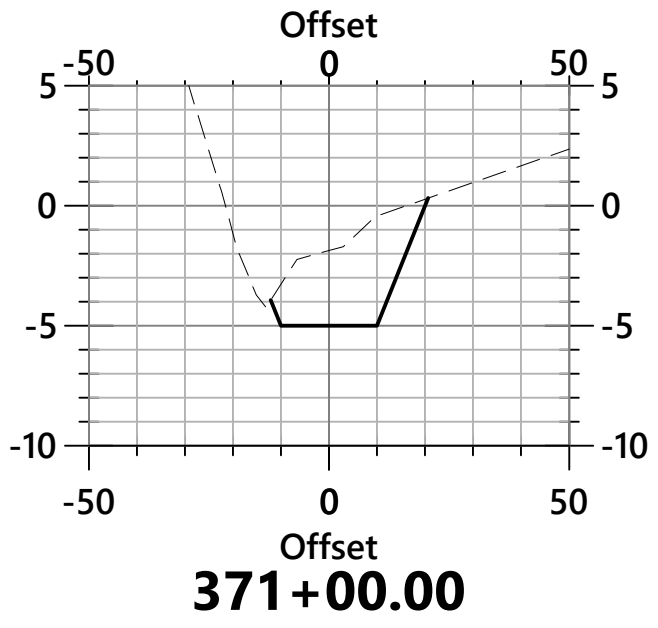
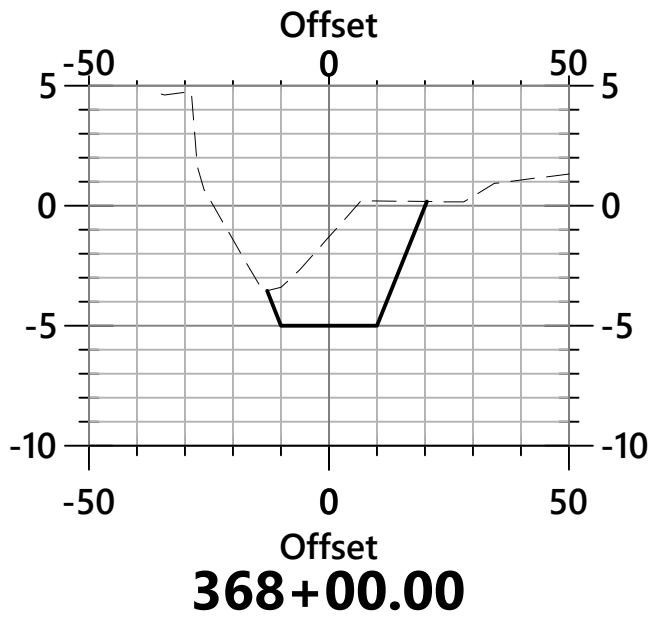
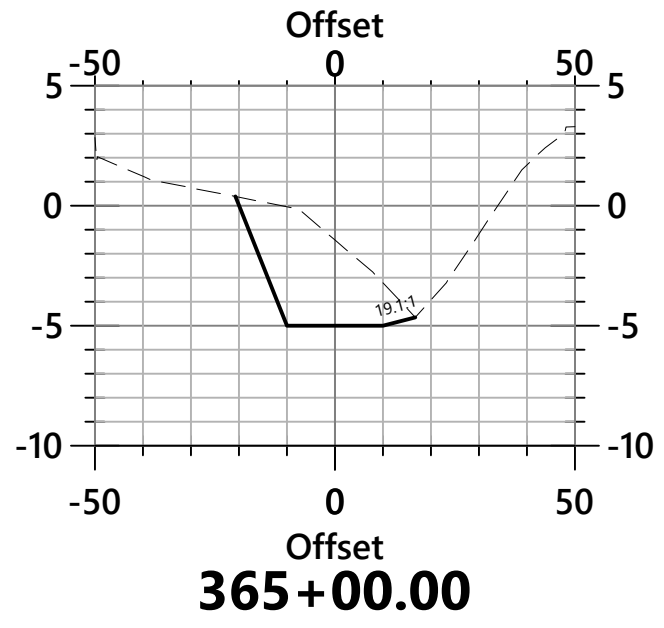
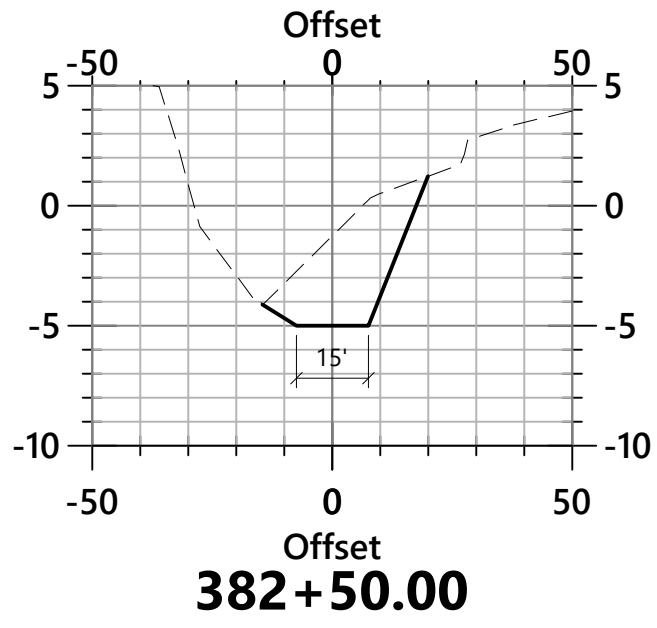
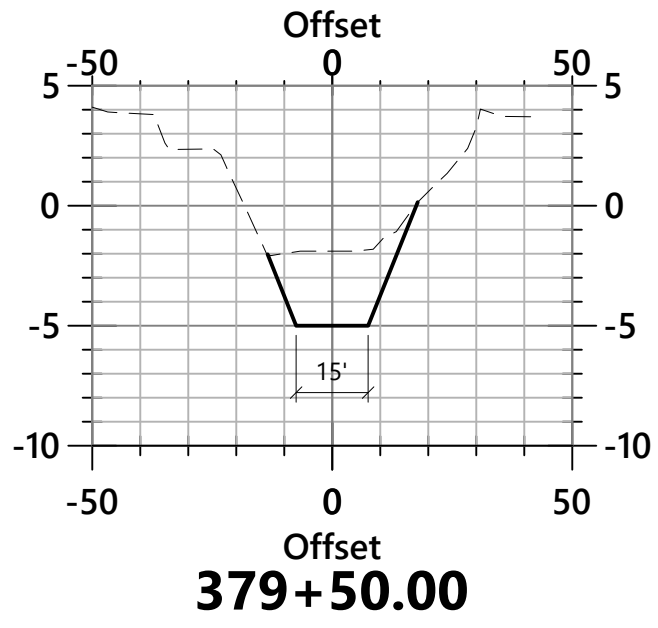
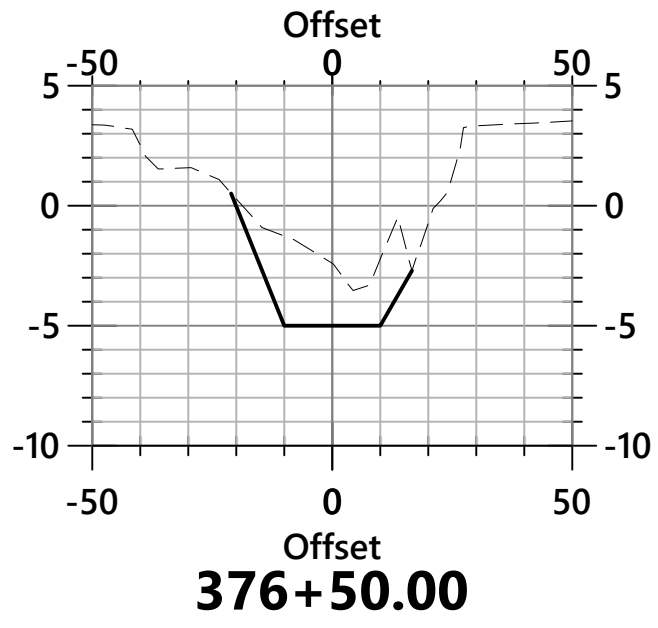
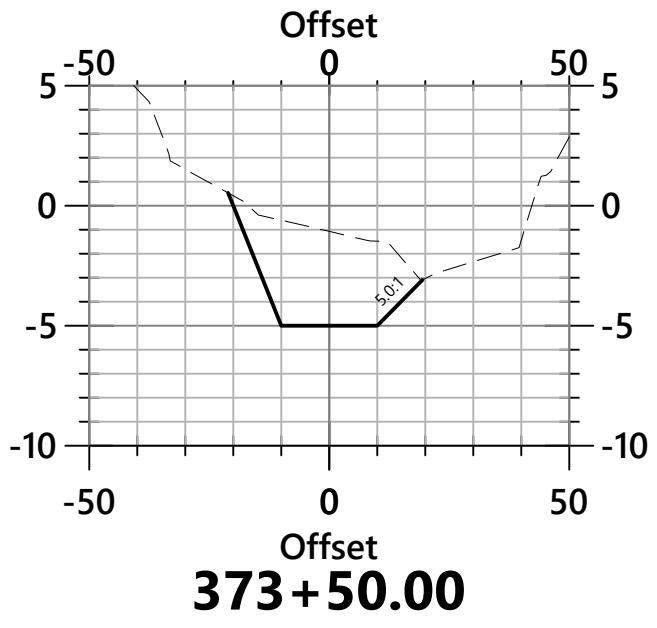
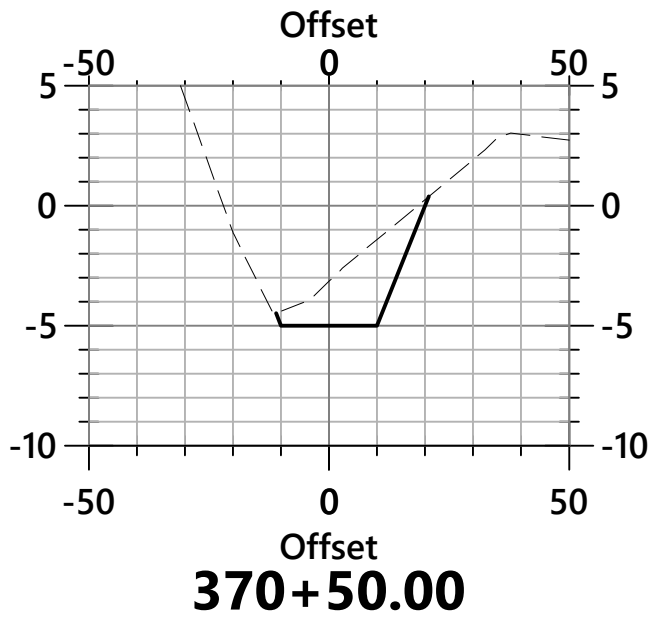
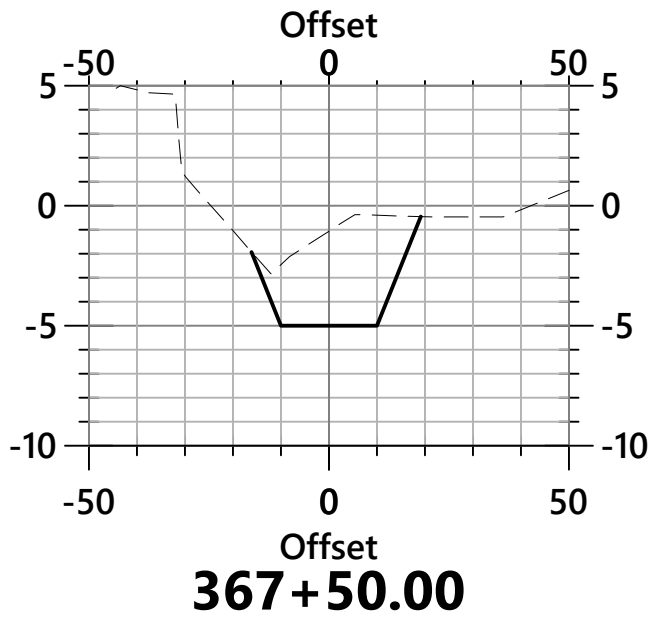
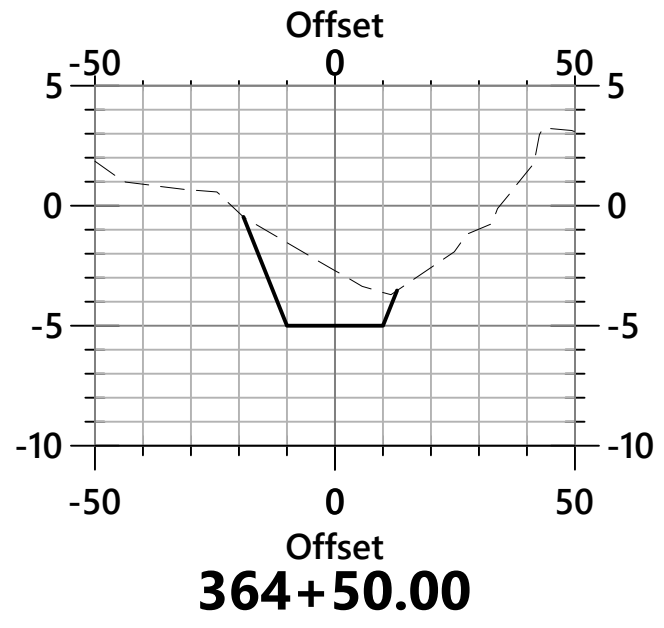
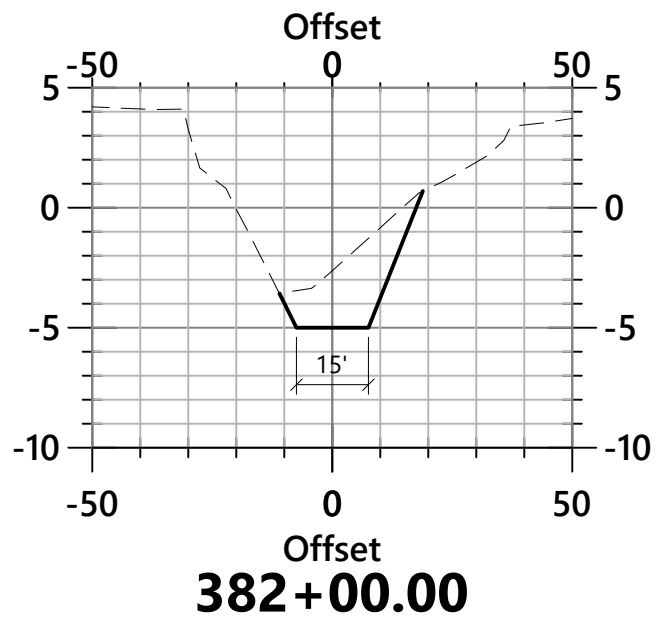
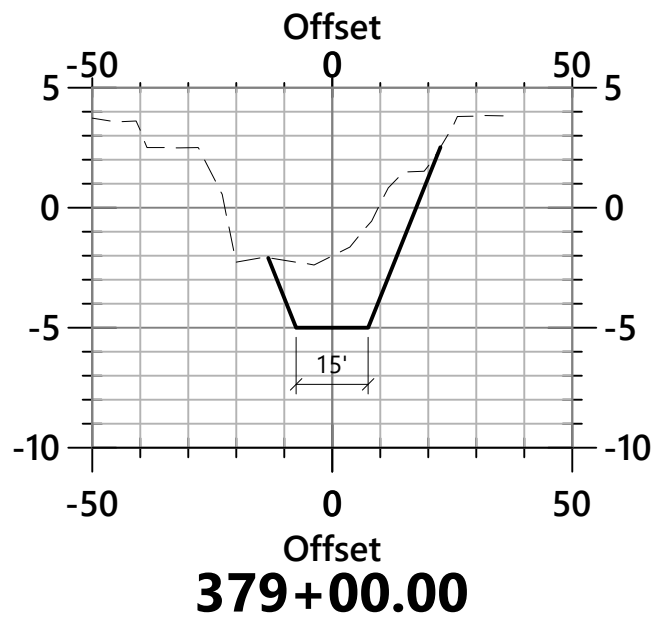
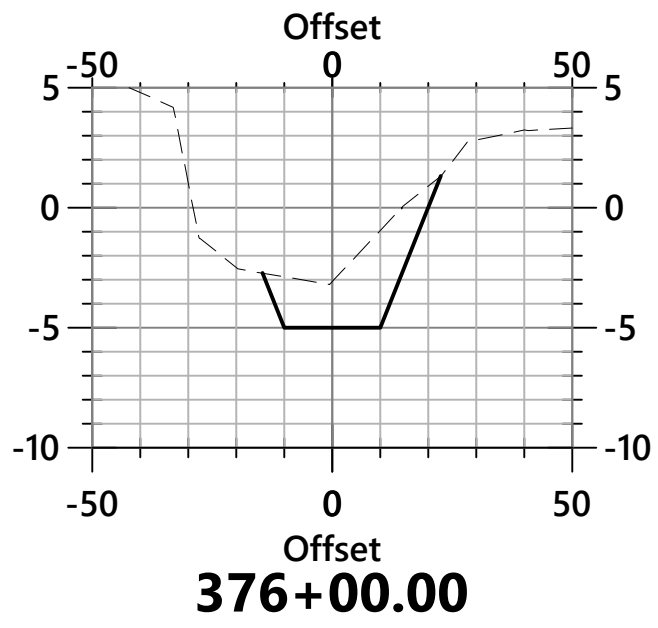
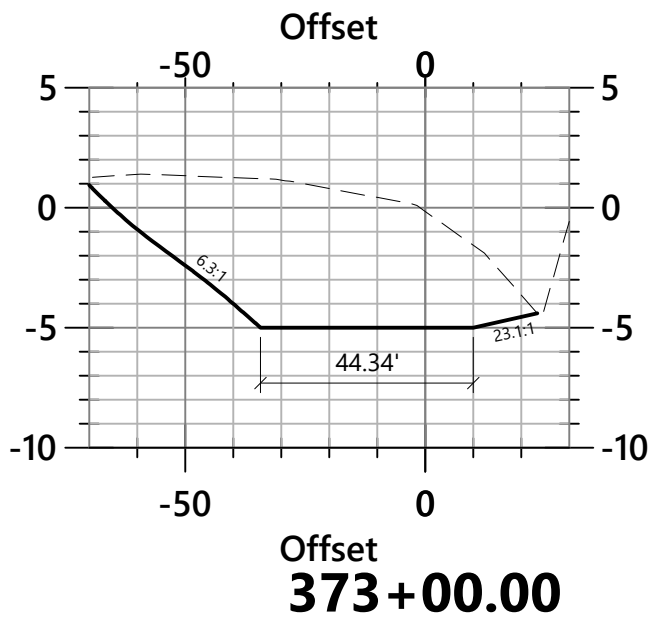
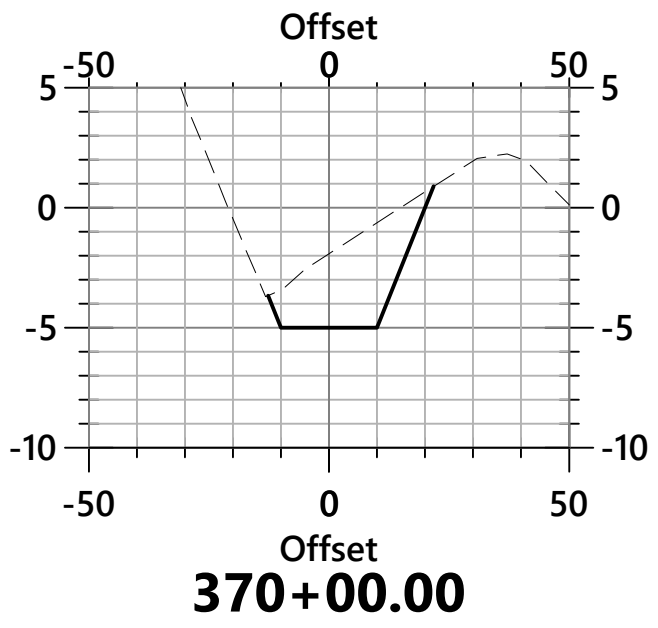
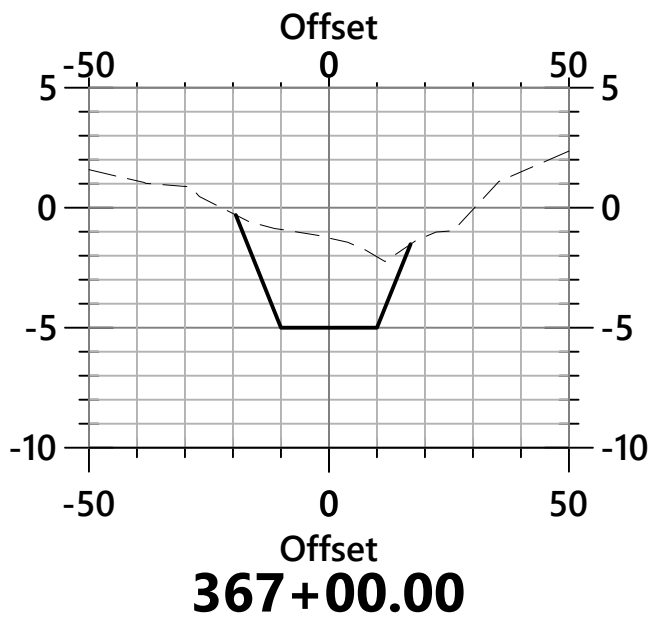
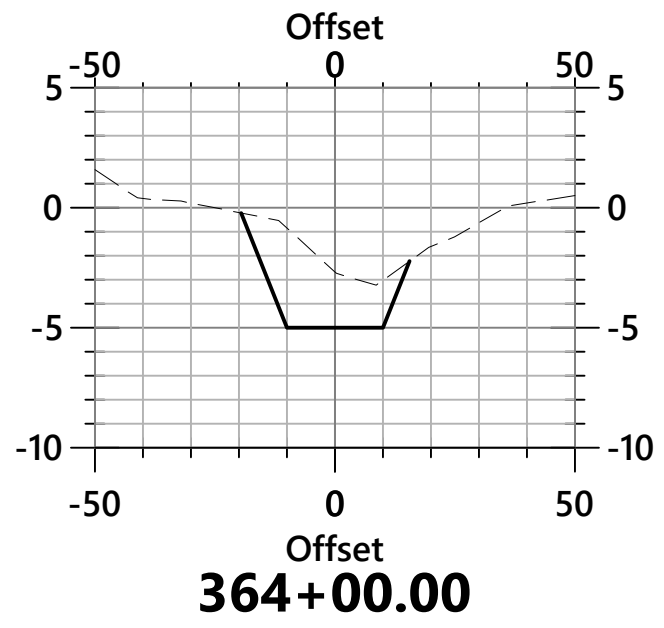
Drawing Number

C4.03

Sheet of

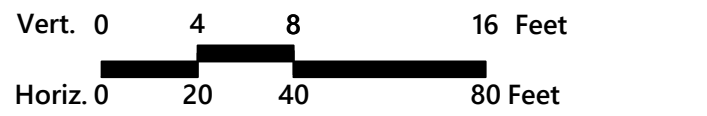
Project Number
66277.01

Mehul Patel, P.E.
Florida License No. 75549



Notes

1. ALL SIDE SLOPES ON CHANNEL TO BE 2:1 UNLESS OTHERWISE NOTED.
2. BOTTOM OF CHANNEL ELEVATION TO BE -5 MLW UNLESS OTHERWISE NOTED.
3. WIDTH OF CHANNEL BOTTOM TO BE 20' UNLESS OTHERWISE NOTED.



Weeki Wachee River Shoal Line Blvd. to E. Richard Dr. Weeki Wachee, Florida

No.	Revision	Date	App'd.
1	SWP/MD Comments	08/02/19	GMS
2	SWP/MD Comments	11/30/19	GMS
3	SWP/MD Comments	01/30/20	GMS
4	SWP/MD Comments	09/28/21	GMS

Designed by _____ Checked by _____
Issued for _____ Date May 15, 2020

100% Plans

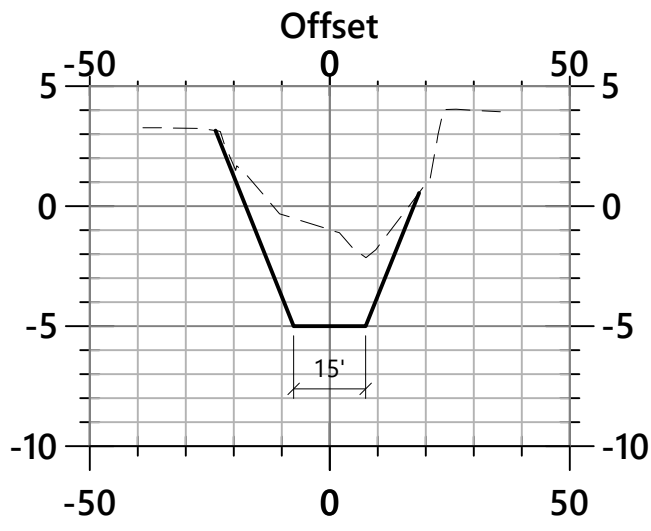
Cross Sections

Drawing Number

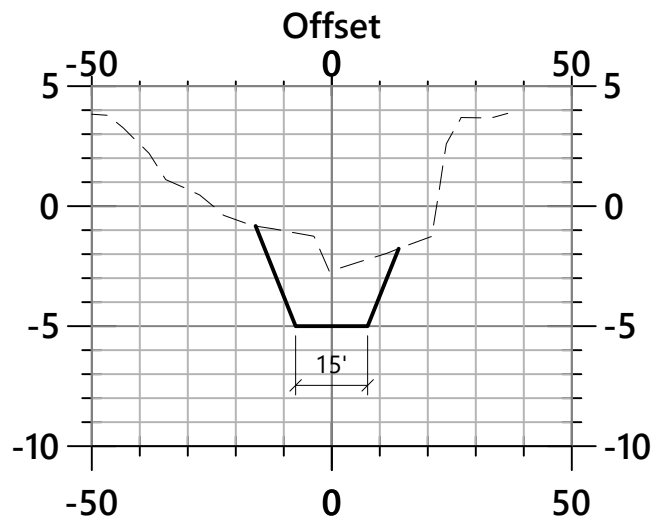
C4.04

Sheet _____ of _____

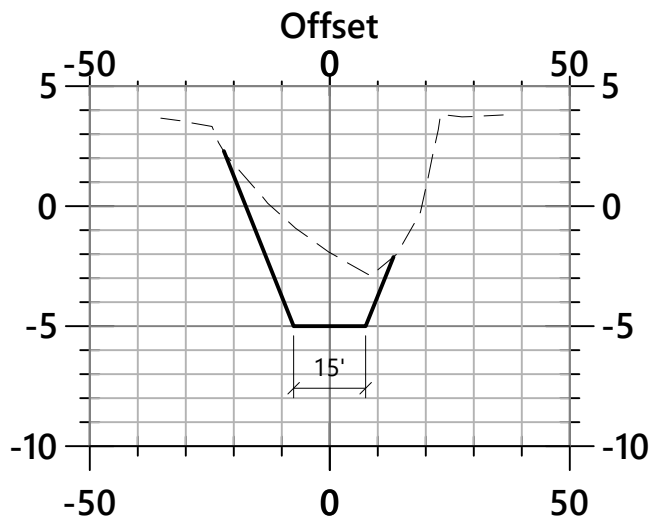
Project Number
Mehul Patel, P.E.
Florida License No. 75549
66277.01



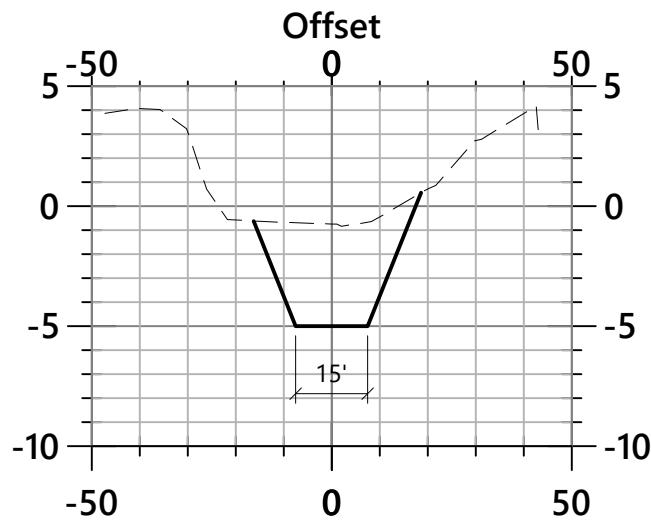
385+00.00



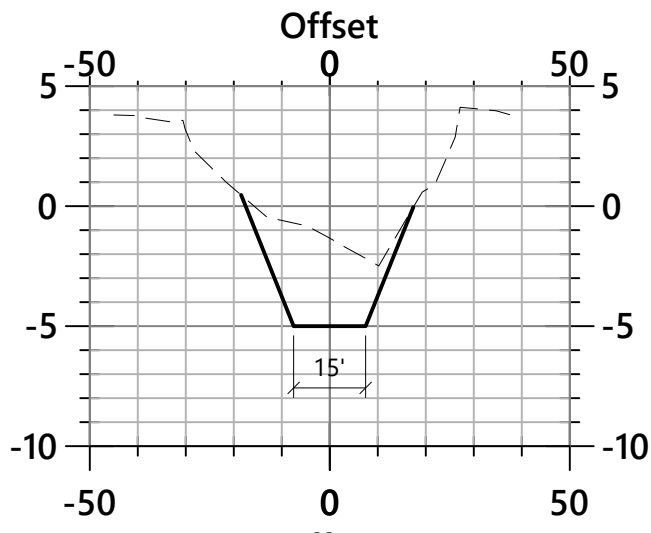
388+00.00



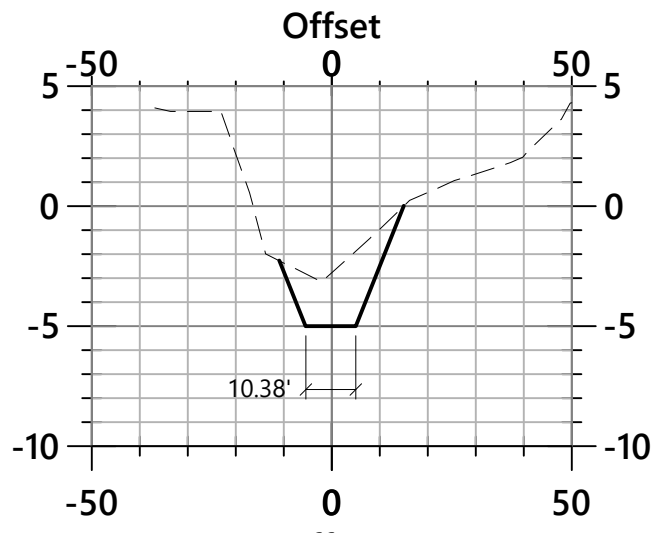
385+50.00



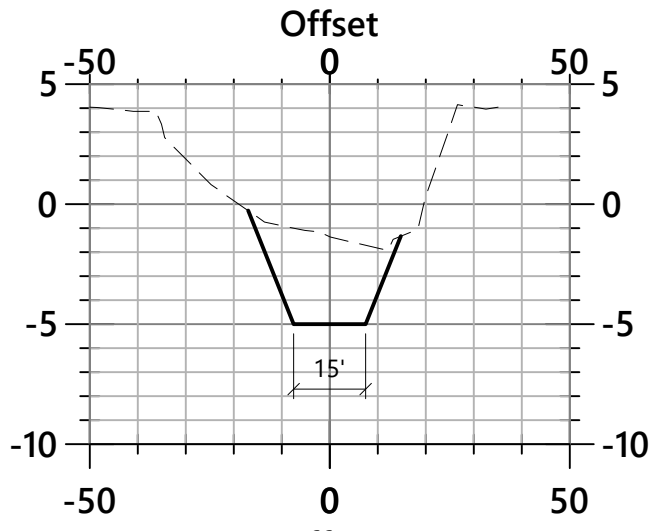
388+50.00



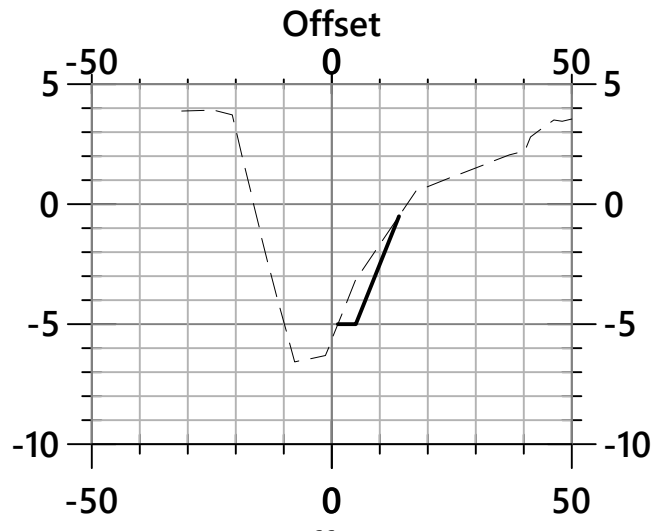
386+00.00



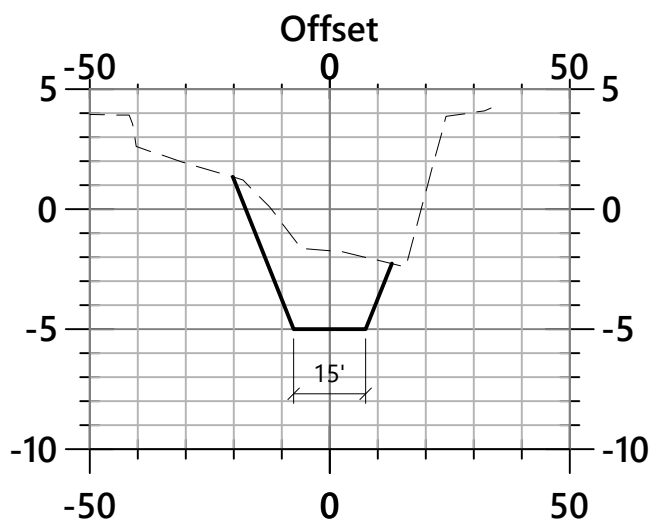
389+00.00



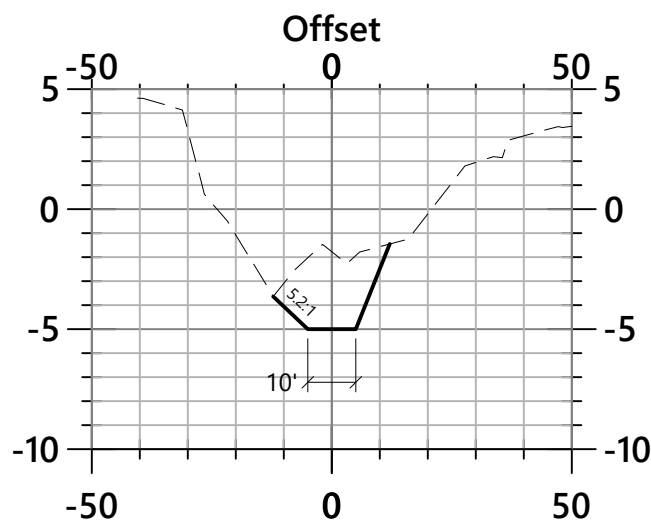
386+50.00



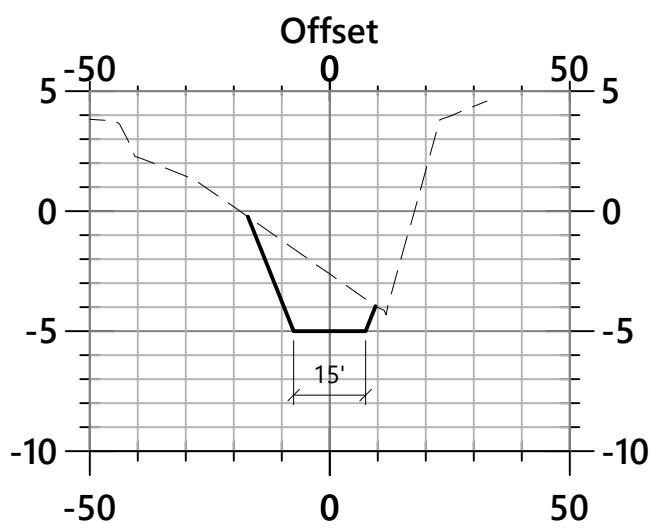
389+50.00



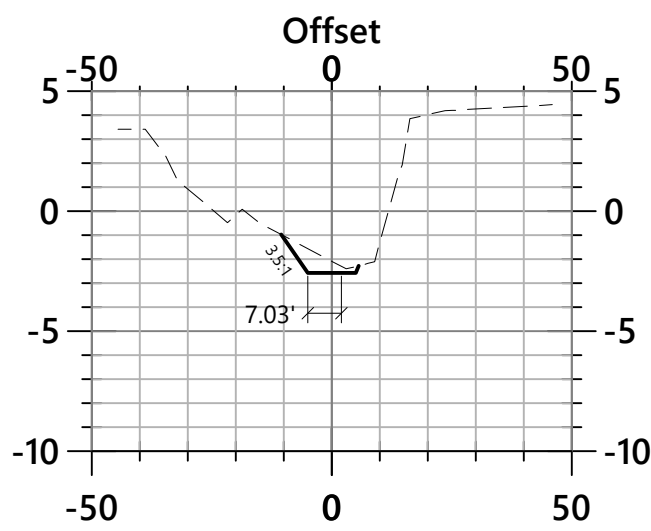
387+00.00



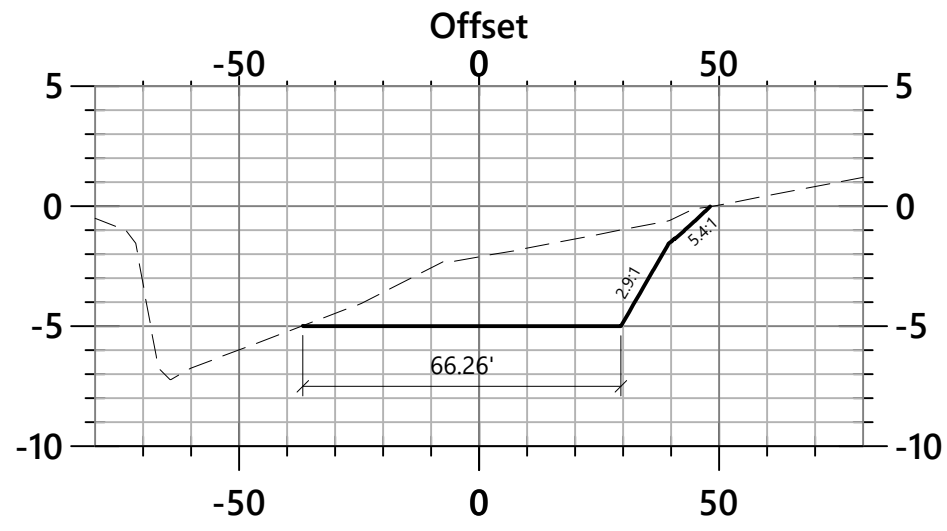
390+00.00



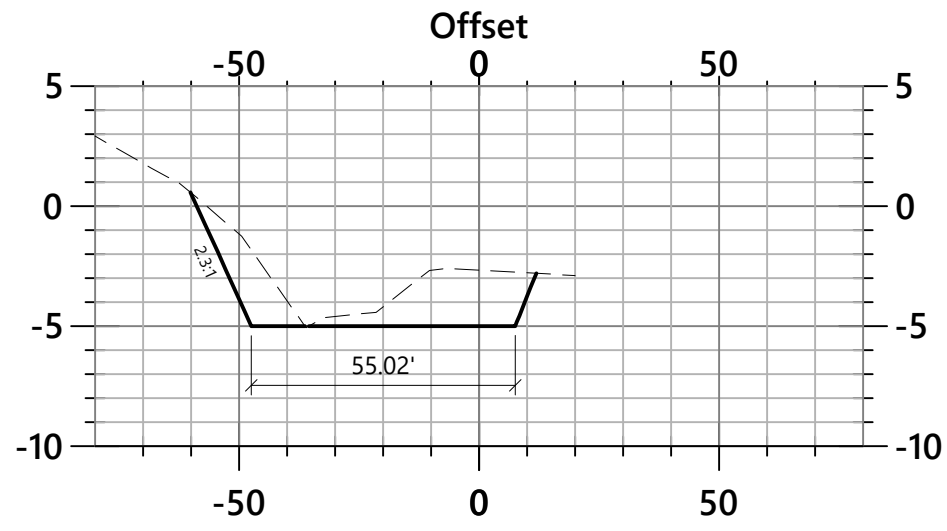
387+50.00



390+50.00

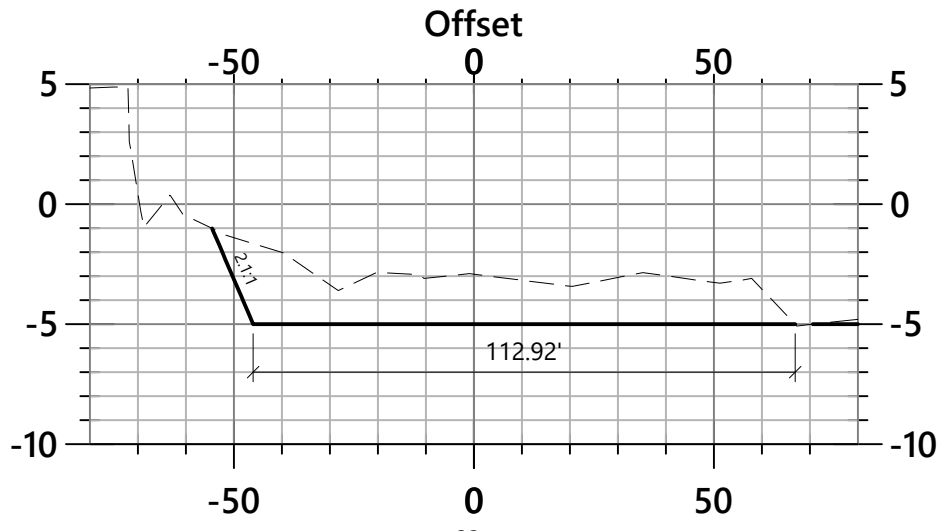


30+60.00

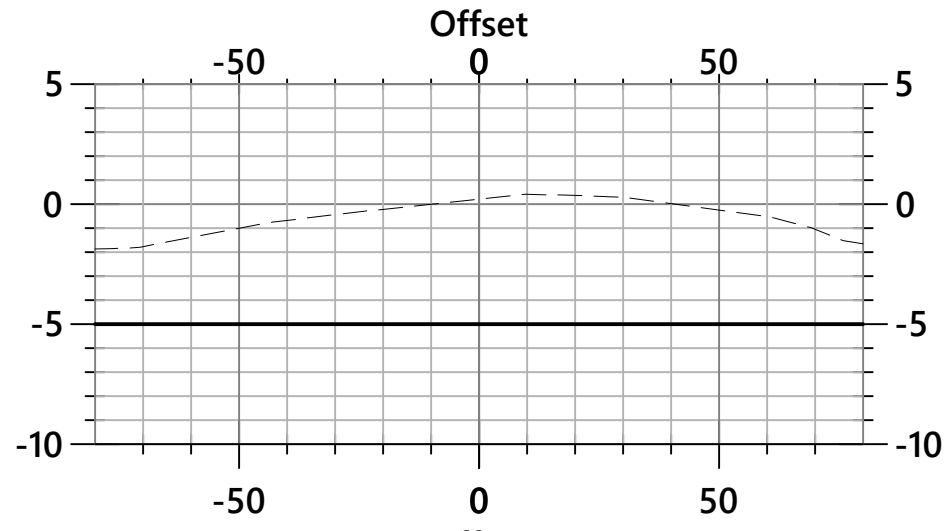


31+00.00

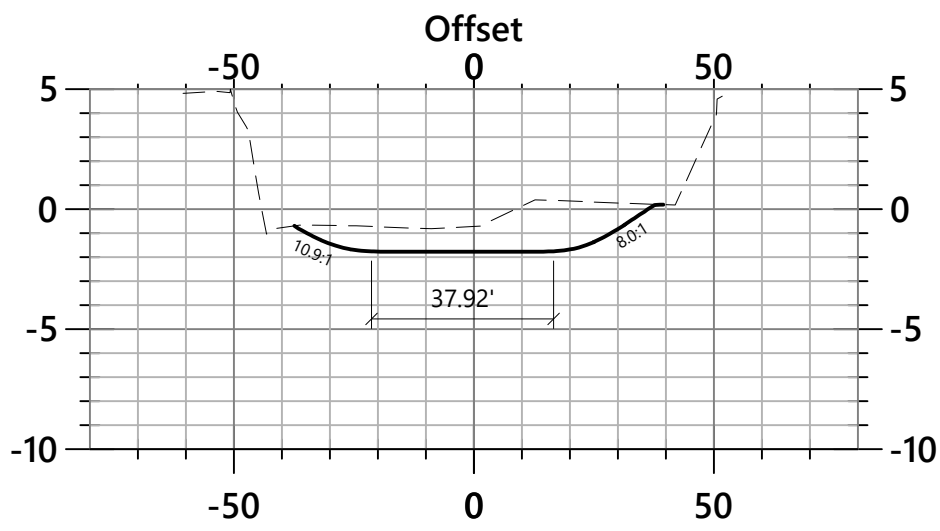
Deposition Area 2



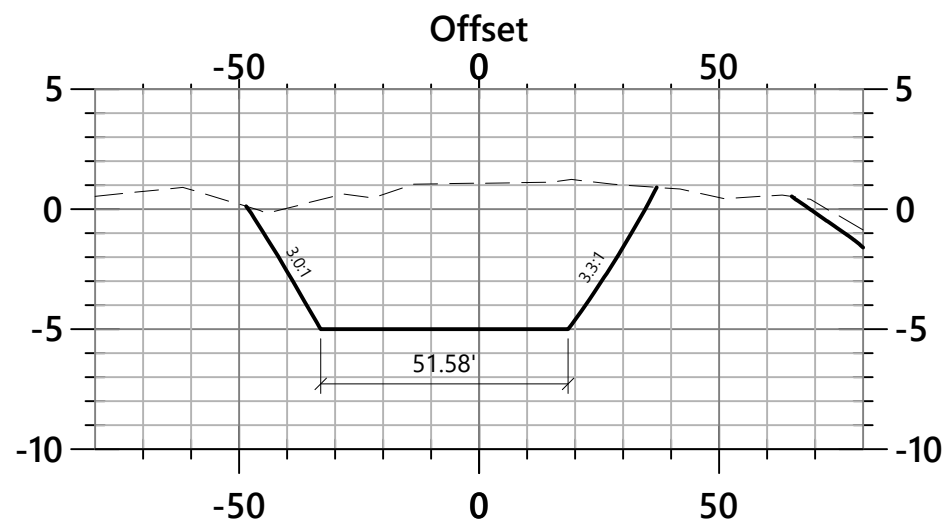
20+60.00



40+60.00



21+15.00



40+85.00

Deposition Area 1

Deposition Area 3

Notes

1. ALL SIDE SLOPES ON CHANNEL TO BE 2:1 UNLESS OTHERWISE NOTED.
2. BOTTOM OF CHANNEL ELEVATION TO BE -5 MLW UNLESS OTHERWISE NOTED.
3. WIDTH OF CHANNEL BOTTOM TO BE 20' UNLESS OTHERWISE NOTED.



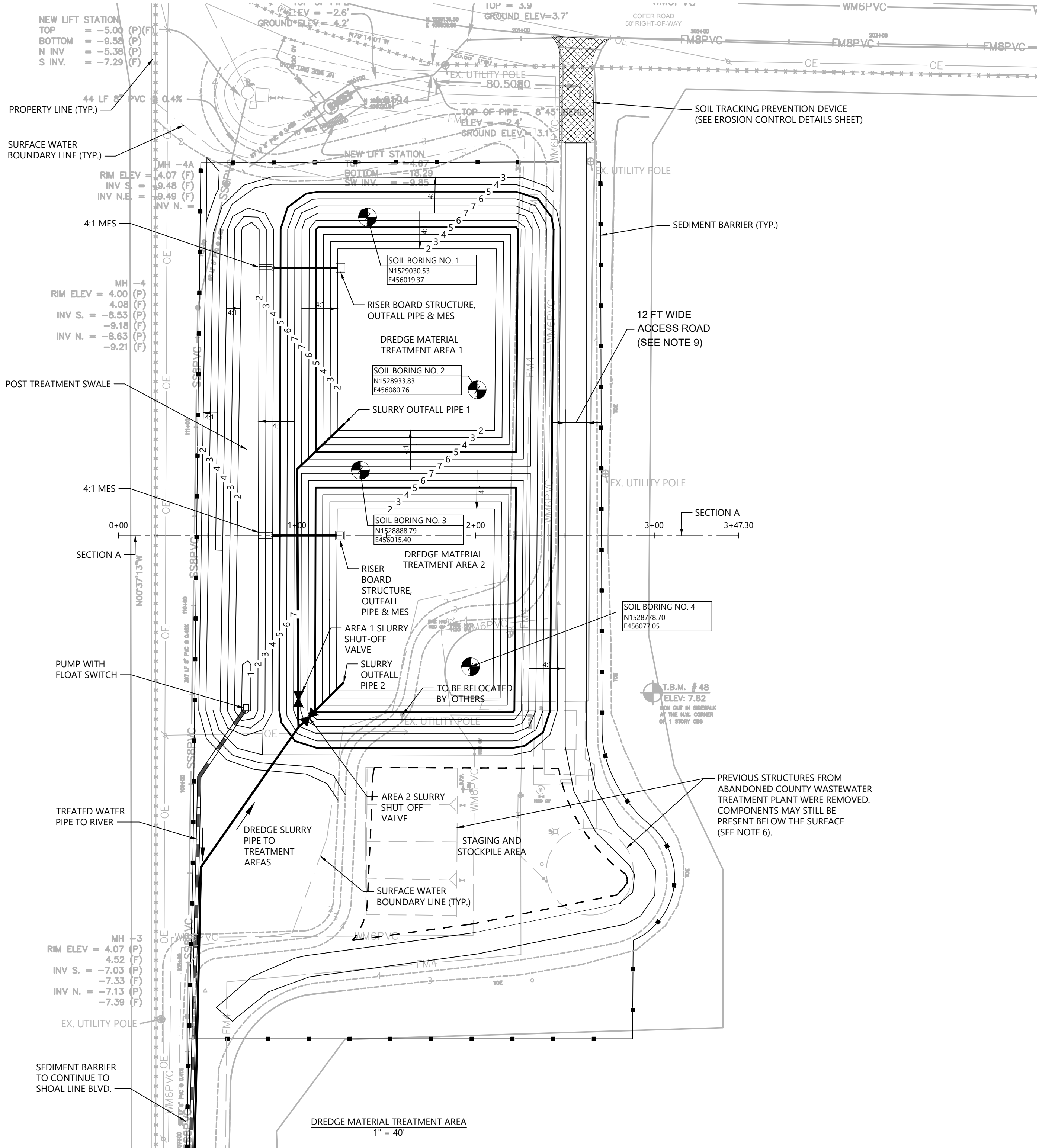
Weeki Wachee River Shoal Line Blvd. to E. Richard Dr. Weeki Wachee, Florida

No.	Revision	Date	Appr'd.
1	SWFWMD Comments	08/02/19	GMS
2	SWFWMD Comments	11/30/19	GMS
3	SWFWMD Comments	01/30/20	GMS
4	SWFWMD Comments	09/28/21	GMS

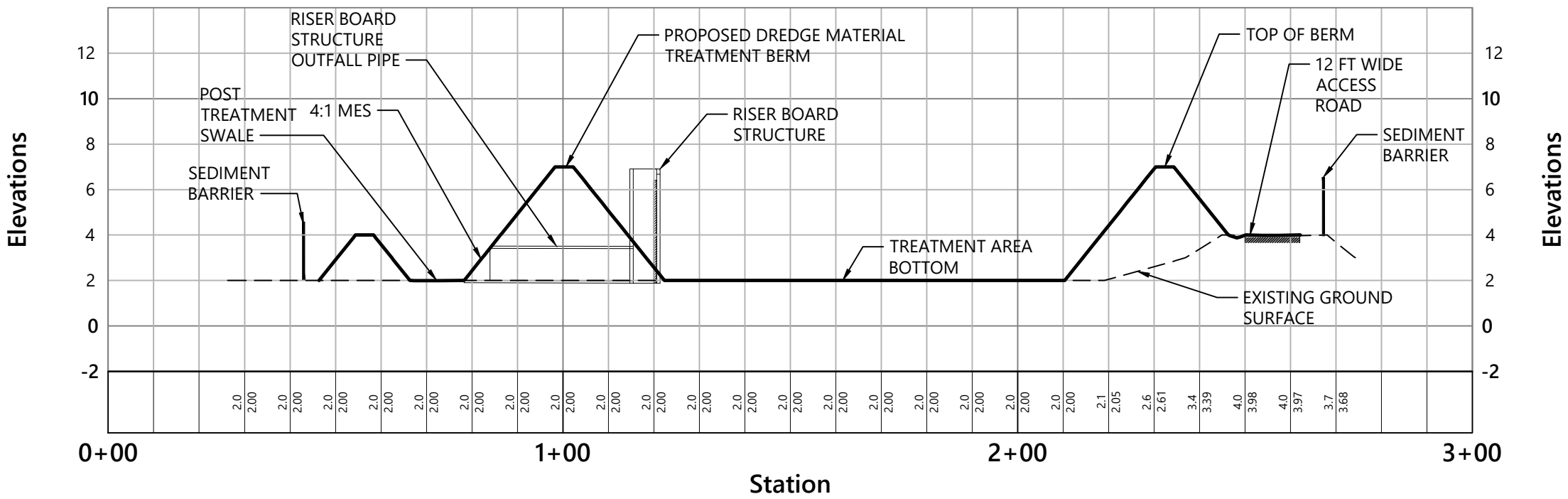
Designed by _____ Checked by _____
Issued for _____ Date _____
100% Plans May 15, 2020

Cross Sections

Drawing Title: **C4.05**
Drawing Number: _____
Sheet _____ of _____
Project Number: **66277.01**
Mehul Patel, P.E.
Florida License No. 75549



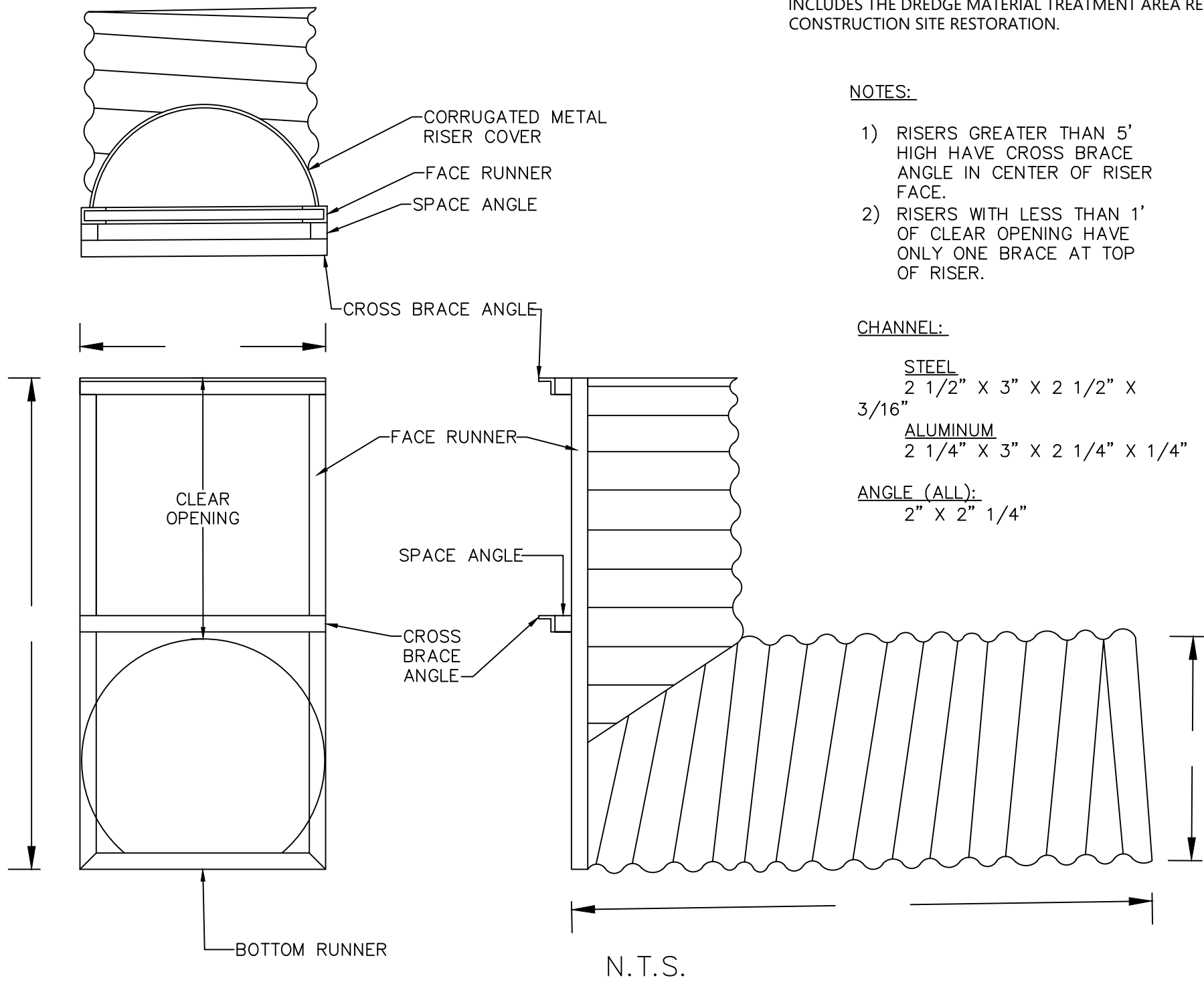
HERNANDO COUNTY PARCEL



SECTION A
N.T.S.

NOTES:

- ALL BERM SLOPES MUST BE SODDED AFTER GRADING OPERATIONS FOR EROSION CONTROL AND STABILIZATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE SOD UNTIL COMPLETION OF THE PROJECT.
- DREDGE MATERIAL TREATMENT AREA SITE PLANS AND DETAILS REPRESENT THE PERMITTED SYSTEM. ANY CHANGES TO THE LOCATION OR CONFIGURATION OF THE SYSTEM MUST BE APPROVED BY THE DISTRICT, COUNTY AND APPLICABLE PERMITTING AGENCIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING SYSTEM PERFORMANCE AS REQUIRED TO MEET PROJECT REQUIREMENTS. DESIGN OF DREDGE MATERIAL AND TREATMENT AREA, PIPING AND PUMPING CONFIGURATIONS OTHER THAN THAT SHOWN, HEREON SHALL MEET PERMITTING REQUIREMENTS AND BE SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL ENGINEER.
- ALL PIPING CONVEYING EITHER DREDGE SLURRY FROM THE RIVER TO THE TREATMENT AREA, OR CONVEYING TREATED WATER FROM THE TREATMENT AREA TO THE RIVER, SHALL BE PRESSURE TESTED AT A MINIMUM OF 80 PSI PRIOR TO OPERATION. THE PIPE SHALL BE MECHANICALLY RESTRAINED WHEN EXPOSED ABOVE THE SURFACE (NOT BURIED).
- CONTRACTOR TO SUBMIT PROPOSED PIPE SPECIFICATIONS TO DISTRICT PRIOR TO CONSTRUCTION.
- CONTRACTOR TO FIELD LOCATE AND VERIFY EXISTING COMPONENTS OF ABANDONED WASTEWATER TREATMENT FACILITY. NO EXCAVATION OF THESE STRUCTURES AND COMPONENTS ARE ANTICIPATED FOR THE CONSTRUCTION OF THE DMTA.
- CONTRACTOR TO PROTECT ALL EXISTING UTILITIES, ABOVE AND BELOW THE EXISTING GROUND SURFACE, DURING CONSTRUCTION AND DREDGING ACTIVITIES. THE INFORMATION FOR THE EXISTING UTILITIES WERE OBTAINED FROM THE WEEKI WACHEE WWTP BYPASS PROJECT RECORD DRAWINGS, HERNANDO COUNTY, FLORIDA, DATED NOVEMBER 22, 2011.
- CONTRACTOR TO MAINTAIN A 12 FT. WIDE ACCESS ROAD. THE EXISTING ACCESS ROAD WILL BE MAINTAINED DURING CONSTRUCTION AND PRODUCTION. WHERE THE EXISTING ROAD TERMINATES, CONSTRUCT A 12 FT WIDE STABILIZED ROAD WITH 12 INCHES OF COMPACTED SANDY SOILS (AASHTO A-3 OR A-2-4 WITH NO MORE THAN 15% FINES) AS SHOWN ON THE PLANS.
- CONTRACTOR TO RESTORE DREDGE MATERIAL TREATMENT AREA SITE TO WITHIN 1 INCH OF EXISTING GRADE AFTER THE PROJECT IS COMPLETE.
- NO WETLAND VEGETATION IS REQUIRED TO BE INSTALLED BY THE CONTRACTOR AFTER PROJECT COMPLETION.
- REFER TO THE US ARMY CORPS PERMIT (NO' SAJ-2019-01203 (NW-JLC)) WHICH INCLUDES THE DREDGE MATERIAL TREATMENT AREA RESTORATION PLAN POST CONSTRUCTION SITE RESTORATION.



PIPE SIZE	PIPE GAGE	RISE COVER			FRAME WIDTH	MAX HEIGHT
		FACE WTH.	GA.	SHEET LENGTH		
12	16	12	16	20	14	15'
15	16	15	16	25	17	
18	16	18	16	30	20	
21	16	21	16	35	23	
24	16	24	16	40	26	
30	16	30	14	49	32	
36	16	36	14	58	38	
42	16	42	12	68	44	
48	16	48	12	78	50	
54	16	54	12	80	56	
17X13	16	17	16	28	19	
21X15	16	17	16	35	23	
24X18	16	24	16	40	26	
28X20	16	28	16	46	30	
35X24	16	35	14	56	37	
42X49	16	42	14	68	44	
49X33	16	49	12	78	51	
16	12	57	12	89	59	

SINGLE FACE RISER BOARD STRUCTURE

(For informational purposes only)

vhb.com

501 E Kennedy Boulevard
Suite 1010
Tampa, FL 33602
813.327.5450
Certificate of Authorization
Number FL #3932

Weeki Wachee River

Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Apprv.
1	SWPWMD Comments	08/02/19	GMS
2	SWPWMD Comments	11/30/19	GMS
3	SWPWMD Comments	01/30/20	GMS
4	SWPWMD Comments	09/28/21	GMS

Designed by	Checked by
Issued for	Date
100% Plans	May 15, 2020

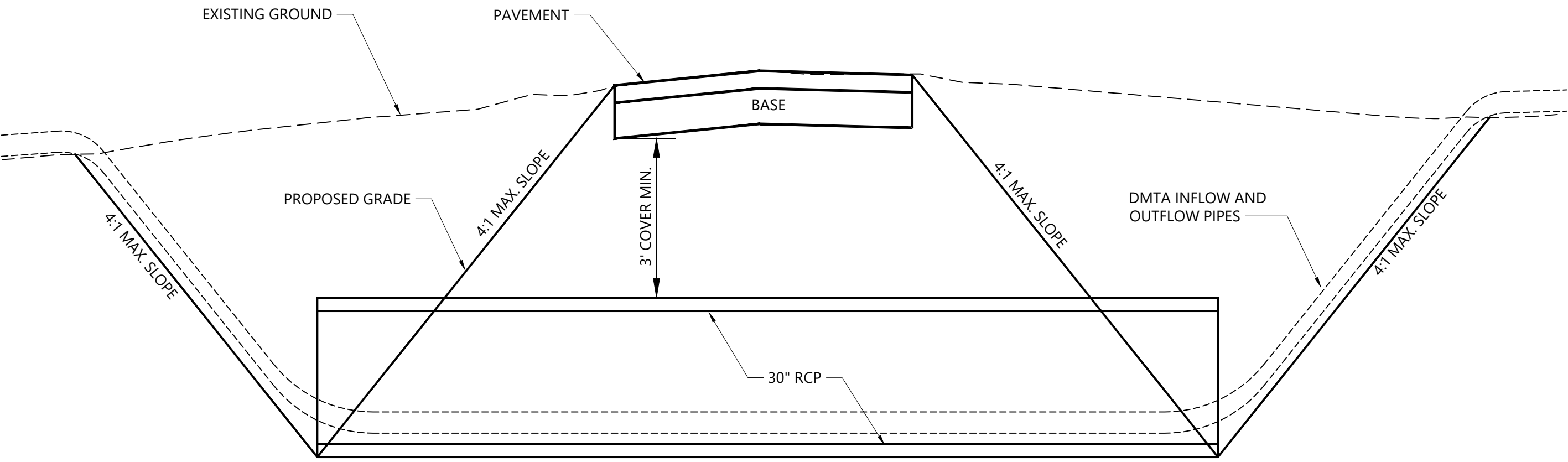
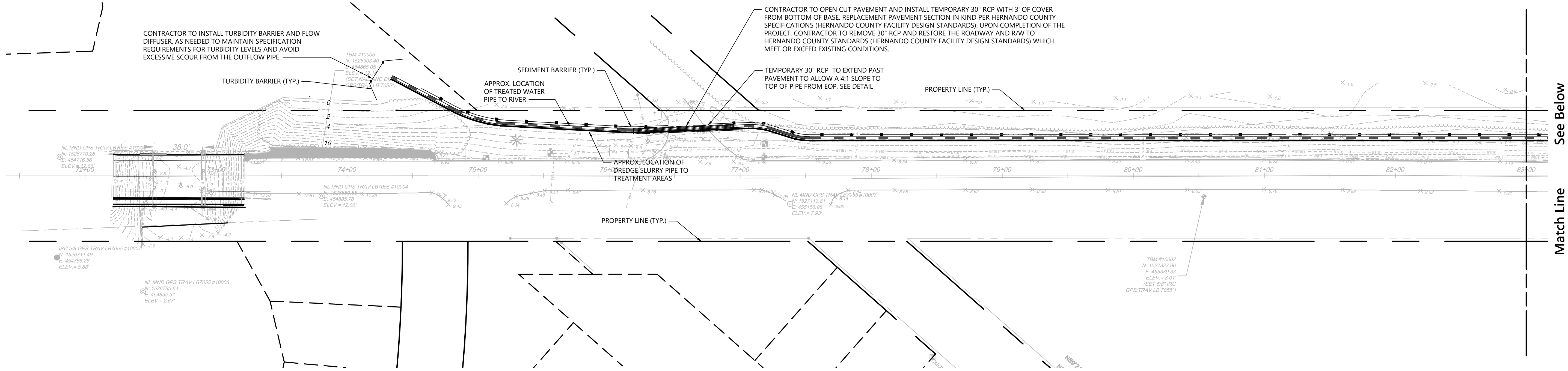
Dredge Material Treatment & Disposal Area

MEHUL J. PATEL
LICENSED PROFESSIONAL ENGINEER
STATE OF FLORIDA
75549

Drawing Number

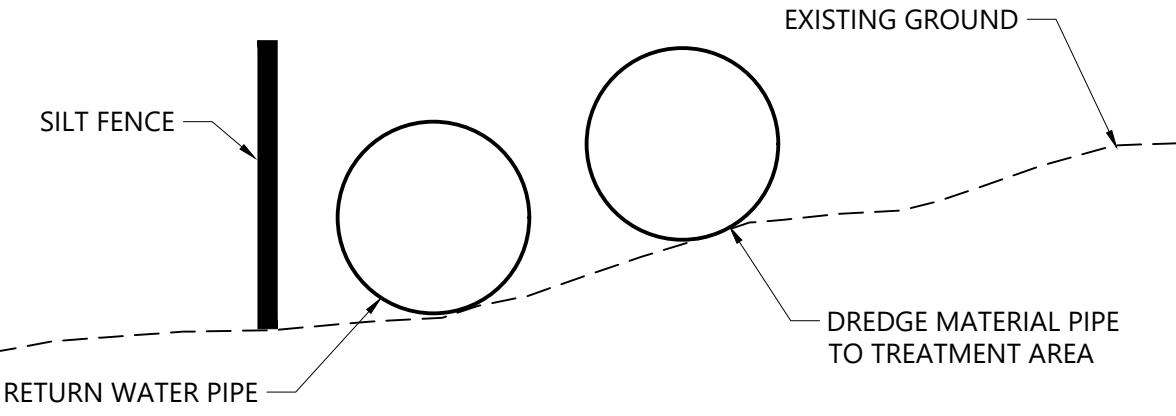
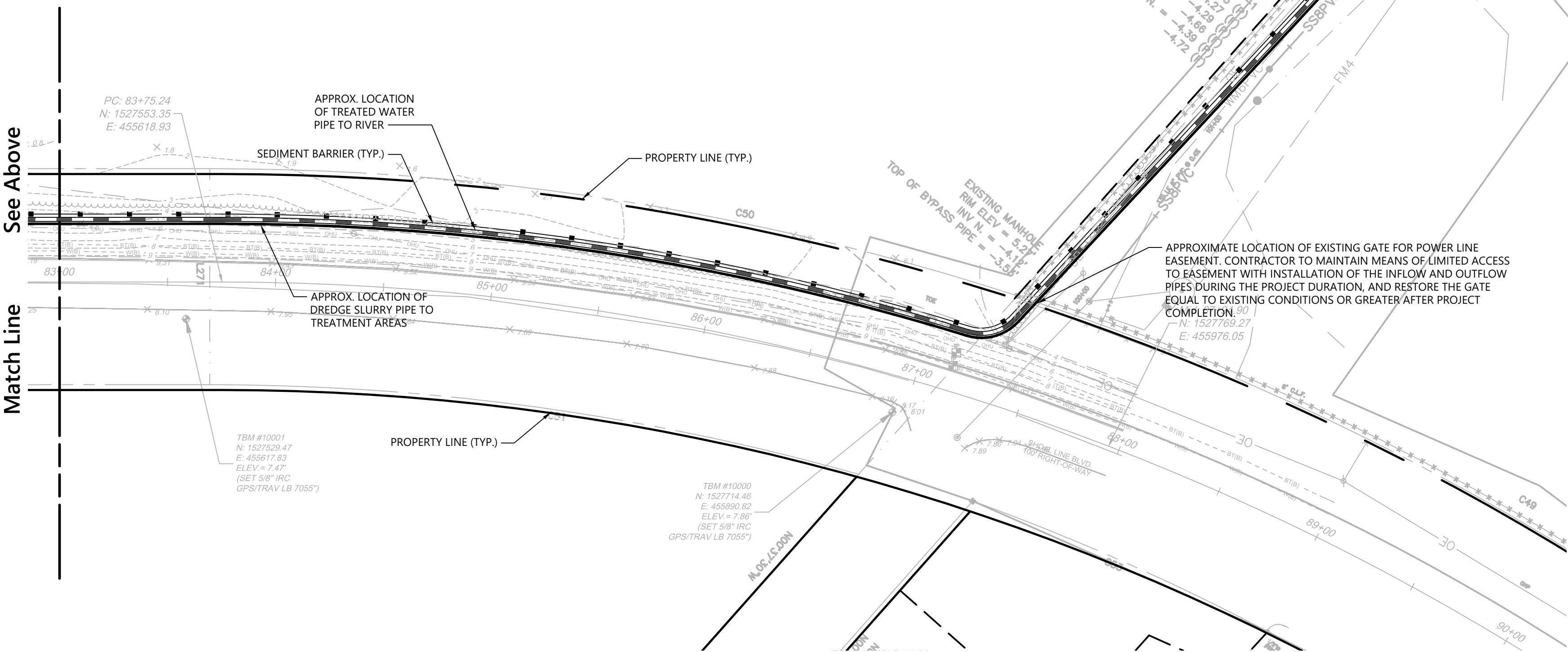
C5.01

Sheet of



Road Open Cut Detail

N.T.S. Source: VHB



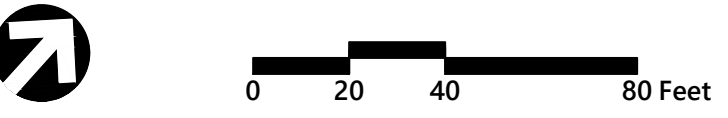
At Grade Piping Detail

N.T.S. Source: VHB



vhb.com

501 E Kennedy Boulevard
Suite 1010
Tampa, FL 33602
813.327.5450
Certificate of Authorization
Number FL #3932



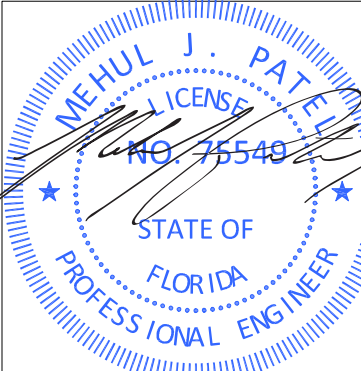
Weeki Wachee River
Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

No.	Revision	Date	Appr'd.
1	SWPMD Comments	08/02/19	GMS
2	SWPMD Comments	11/30/19	GMS
3	SWPMD Comments	01/30/20	GMS
4	SWPMD Comments	09/28/21	GMS

Designed by: _____ Checked by: _____
Issued for: _____ Date: May 15, 2020

100% Plans

Dredge Material Piping Plan



Project Number
66277.01

Drawing Number
C5.02

Sheet _____ of _____

Notes

- I SITE DESCRIPTION:
- THE SITE IS LOCATED IN HERNANDO COUNTY AND BEGINS APPROXIMATELY 800 FT NORTHWEST OF THE INTERSECTION OF SHOAL LINE BOULEVARD AND THE WEEKI WACHEE RIVER, THEN APPROXIMATELY 1.5 MILES EAST ALONG THE WEEKI WACHEE RIVERTO APPROXIMATELY 700 FT EAST OF THE WEEKI WACHEE CANAL.
- a. DESCRIBE THE NATURE OF THE CONSTRUCTION ACTIVITY:
- THIS PROPOSED PROJECT INCLUDES DREDGING OF THE RIVER TO A DEPTH APPROXIMATELY 5 FT BELOW MEAN LOW WATER LEVEL (MLW) FOR APPROXIMATELY 1.5 MILES OF THE RIVER. THE DREDGE MATERIAL WILL BE COLLECTED AND DEWATERED IN A SPOIL PROCESSING AREA, AND THE DECANATED WATER RETURNED TO THE RIVER.
- b. DESCRIBE THE INTENDED SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:
1. ALL EROSION CONTROL DEVICES FOR THE PROJECT ARE TO BE INSTALLED PRIOR TO BEGINNING WORK.
 2. INSTALL SILT FENCE AND TURBIDITY WHERE LISTED ON THE PLANS.
 3. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING A DEWATERING PLAN (IF NEEDED).
 4. DEMOLITION AND REMOVAL OF EXISTING STRUCTURES, IF ANY, IS SHOWN ON THE PLANS.
 5. CONSTRUCTION OF DREDGE MATERIAL TREATMENT AREA.
 6. COVER OR STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE.
 7. REMOVE PERIMETER CONTROLS AFTER AREAS ARE FULLY STABILIZED AND PERMANENT GRASSING IS ESTABLISHED.
- c. THE SOIL WITHIN THE PROJECT LIMITS: SEE GEOTECHNICAL REPORT.
- d. TOTAL AREA OF THE SITE: TBD
- e. TOTAL AREA OF THE SITE TO BE DISTURBED: TBD
- f. ESTIMATE THE DRAINAGE AREA SIZE FOR EACH DISCHARGE POINT: AREA OF DISPOSAL SITE TO BE DETERMINED
- g. LATITUDE AND LONGITUDE OF EACH DISCHARGE POINT AND IDENTIFY THE RECEIVING WATER OR MS4 FOR EACH DISCHARGE POINT:
- GULF OF MEXICO
LAT 28°32'04" N
LONG 82°39'09" W
- II EROSION AND SEDIMENT CONTROLS:
- a. GIVE A DETAILED DESCRIPTION OF ALL CONTROLS, BEST MANAGEMENT PRACTICES (BMPS) AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE FOR EACH ACTIVITY IDENTIFIED IN THE INTENDED SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES SECTION. PROVIDE TIME FRAMES IN WHICH THE CONTROLS WILL BE IMPLEMENTED. NOTE: ALL CONTROLS SHALL BE CONSISTENT WITH PERFORMANCE STANDARDS FOR EROSION AND SEDIMENT CONTROL AND STORMWATER TREATMENT SET FORTH IN S. 62-40.432, F.A.C., THE APPLICABLE STORMWATER OR ENVIRONMENTAL RESOURCE PERMITTING REQUIREMENTS OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, AND THE GUIDELINES CONTAINED IN THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (DEP. 1998) AND ANY SUBSEQUENT AMENDMENTS. ALL EROSION PROTECTION TO BE INSTALLED PRIOR TO THE INITIATION OF CONSTRUCTION. SILT FENCE AND TURBIDITY BARRIERS TO BE INSTALLED AS SHOWN ON THE PLANS. ALL INLETS SHALL BE PROTECTED BEFORE CONSTRUCTION, AND REMOVED WHEN THE PROJECT IS COMPLETED ACCORDING TO DETAILS AND SITE PLAN. ALL OFFSITE TRACKING SHALL BE REMOVED AFTER EACH WORKING DAY. THE CONTRACTOR WILL BE RESPONSIBLE FOR DEWATERING DURING CONSTRUCTION AND UTILIZING A DEWATERING BEST MANAGEMENT PRACTICE IF NECESSARY. WELL POINTS, HORIZONTAL SOCK DRAINS OR ANY OTHER METHOD THAT WILL PREVENT DISCHARGE OF TURBID WATER ABOVE 29 NTU FROM THE CONSTRUCTION SITE, INTO THE RESIDENTIAL CANALS AND 0 NTU INCREASE TO THE RIVER. CONTRACTOR CANNOT PUMP TURBID WATER INTO STORMSEWER, PONDS, LAKES OR RIVER. NO HAY BALES SHALL BE USED FOR INLET PROTECTION IN ROADS. ONLY SYNTHETIC BALES OR OTHER TYPES OF INLET PROTECTION SHALL BE USED. INLET PROTECTION SHALL NOT BE PLACED IN SUCH A WAY THAT IS CAUSES FLOODING.
- b. DESCRIBE ALL TEMPORARY AND PERMANENT STABILIZATION PRACTICES. STABILIZATION PRACTICES INCLUDE TEMPORARY SEEDING, MULCHING, PERMANENT SEEDING, GEOTEXTILES, SOD STABILIZATION, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, VEGETATIVE PRESERVATIONS, ETC. THE DISTURBED AREA SHALL HAVE EROSION CONTROL NET AND HAY BLANKETS INSTALLED. THE DISTURBED AREAS WILL HAVE VERTICAL STABILIZATION AS SPECIFIED BY THE CONTRACTOR. THE DISTURBED AREA WILL BE SEEDED AND MULCHED WITHIN SEVEN DAYS OF FINAL GRADING. STOCK PILES (IF USED) WILL BE STABILIZED IF THEY REMAIN FOR A TIME PERIOD OF MORE THAN 21 DAYS BY TEMPORARY SEEDING AND MULCHING, OR OTHER COVERING.
- c. DESCRIBE ALL STRUCTURAL CONTROLS TO BE IMPLEMENTED TO DIVERT STORMWATER FLOW FROM EXPOSED SOILS AND STRUCTURAL PRACTICES TO STORE FLOWS, RETAIN SEDIMENT ON-SITE OR IN ANY OTHER WAY LIMIT STORMWATER RUNOFF. THESE CONTROLS INCLUDE SILT FENCES, EARTH DIKES, DIVERSIONS, SWALES, SEDIMENT TRAPS, CHECK DAMS, SUBSURFACE DRAINS, PIPE SLOPE DRAINS, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, ROCK OUTLET PROTECTION, REINFORCED SOIL RETAINING SYSTEMS, GABIONS, COAGULATING AGENTS AND TEMPORARY OR PERMANENT SEDIMENT BASINS. SILT FENCES WILL BE PLACED ALONG THE LIMITS OF THE PROJECT AS SHOWN IN THE PLANS. AREAS ADJACENT TO DREDGING AREAS WILL BE PROTECTED WITH FLOATING TURBIDITY BARRIER AS SHOWN IN THE PLANS. CONTRACTOR SHALL NOT ALLOW TURBID WATER TO ENTER AREAS OUTSIDE THE DREDGE AREAS.
- d. DESCRIBE ALL SEDIMENT BASINS TO BE IMPLEMENTED FOR AREAS THAT WILL DISTURB 10 OR MORE ACRES AT ONE TIME. THE SEDIMENT BASINS (OR AN EQUIVALENT ALTERNATIVE) SHOULD BE ABLE TO PROVIDE 3,600 CUBIC FEET OF STORAGE FOR EACH ACRE DRAINED. TEMPORARY SEDIMENT BASINS (OR AN EQUIVALENT ALTERNATIVE) ARE RECOMMENDED FOR DRAINAGE AREAS UNDER 10 ACRES.
- e. NOT APPLICABLE
- f. DESCRIBE ALL PERMANENT STORMWATER MANAGEMENT CONTROLS SUCH AS, BUT NOT LIMITED TO, DETENTION OR RETENTION SYSTEMS OR VEGETATED SWALES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS.
- III EROSION AND SEDIMENT CONTROLS:
- a. WASTE DISPOSAL, THIS MAY INCLUDE CONSTRUCTION DEBRIS, CHEMICALS, LITTER, AND SANITARY WASTES:
1. ALL WASTE MATERIALS WILL BE DISPOSED OF IN ACCORDANCE WITH LOCAL AND STATE LAWS.
 2. THE CONTRACTOR WILL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES.
 3. ALL FERTILIZER AND CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.
 4. NO SOLID MATERIALS, INCLUDING BUILDING AND CONSTRUCTION MATERIALS, SHALL BE DISCHARGED TO WETLANDS OR BURIED ON-SITE.
 5. ALL SANITARY WASTE WILL BE COLLECTED FROM PORTABLE UNITS BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE REGULATIONS.
- b. OFFSITE VEHICLE TRACKING FROM CONSTRUCTION ENTRANCES/ EXITS:
- ALL OFFSITE TRACKING WILL BE REMOVED AFTER EACH WORKING DAY
- c. THE PROPER APPLICATION RATES OF ALL FERTILIZERS, HERBICIDES AND PESTICIDES USED AT THE CONSTRUCTION SITE: NOT APPLICABLE
- d. THE STORAGE, APPLICATION, GENERATION AND MIGRATION OF ALL TOXIC SUBSTANCES:
- NO FUEL WILL BE STORED ON SITE. FUEL SPILLS AND LEAKS FROM EQUIPMENT AND VEHICLES WILL BE PREVENTED AND IMMEDIATELY CLEANED UP, SHOULD THEY OCCUR.
- IV PROVIDE A DETAILED DESCRIPTION OF THE MAINTENANCE PLAN FOR ALL STRUCTURAL AND NON-STRUCTURAL CONTROLS TO ASSURE THAT THEY REMAIN IN GOOD AND EFFECTIVE OPERATING CONDITION.
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND REPAIRS OF EROSION AND SEDIMENT CONTROL DEVICES, AND REMOVAL OF EROSION AND SEDIMENT CONTROL DEVICES WHEN NOTICE OF TERMINATION IS MAILED.
 2. INSTALLATION, MAINTENANCE, REPAIR AND REMOVAL REQUIRED FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE INDIVIDUAL COSTS OF THE EROSION CONTROL DEVICES.
 3. THE FOLLOWING PRACTICES WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS: GENERAL - ALL CONTROL MEASURES WILL BE MAINTAINED DAILY BY THE CONTRACTOR. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS NECESSARY, IT WILL BE INITIATED IMMEDIATELY.
 4. STRUCTURAL PRACTICES - BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE AND STAKED TURBIDITY BARRIERS WHEN IT HAS REACHED ONE-HALF OF THE HEIGHT OF THE FENCE. SODDING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH. SYNTHETIC BALES SHALL BE REPLACED EVERY THREE (3) MONTHS OR WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE. STABILIZED CONSTRUCTION ENTRANCES SHALL BE MAINTAINED TO PREVENT CLOGGING OF ROCK BEDDING WHICH MAY IMPEDE THE USEFULNESS OF THE STRUCTURE.
- V INSPECTIONS: DESCRIBE THE INSPECTION AND INSPECTION DOCUMENTATION PROCEDURES, AS REQUIRED BY PART V.D.4 OF THE PERMIT. INSPECTIONS MUST OCCUR AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM EVENT THAT IS 0.50 INCHES OR GREATER (SEE ATTACHED FORM).
1. THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAINFALL IN ACCORDANCE WITH THE NPDES. ALL CONTROL MEASURES WILL BE MAINTAINED DAILY BY THE CONTRACTOR.
 2. ALL EROSION AND WATER POLLUTION ABATEMENT AND CONTROL MEASURES WILL BE INSPECTED DAILY BY CONTRACTOR'S PERSONNEL WHO ARE F.D.E.P. CERTIFIED STORMWATER MANAGEMENT INSPECTORS.
 3. THE CONTRACTOR SHALL COMPLETE ALL SWPPP INSPECTION REPORT FORMS REQUIRED FOR THE NPDES PERMIT.
 4. QUALIFIED PERSONAL SHALL INSPECT THE PROJECT SITE AT LEAST ONCE EVERY (7) CALENDER DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVERNT THAT IS 0.50 INCHES OR GREATER
- VI IDENTIFY AND DESCRIBE ALL SOURCES OF NON-STORMWATER DISCHARGES AS ALLOWED IN PART IV.A.3 OF THE PERMIT. FLOW FROM FIREFIGHTING ACTIVITIES DO NOT HAVE TO BE LISTED OR DESCRIBED. NOT APPLICABLE



vhb.com

501 E Kennedy Boulevard
Suite 1010
Tampa, FL 33602
813.327.5450
Certificate of Authorization
Number FL #3932

Weeki Wachee River

Shoal Line Blvd. to E. Richard Dr.
Weeki Wachee, Florida

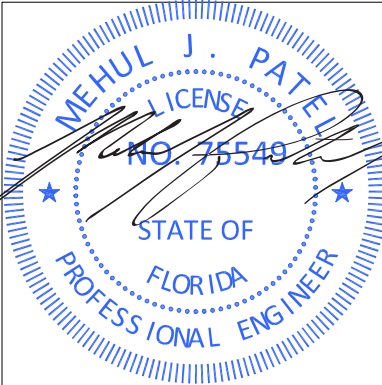
No.	Revision	Date	Apprd.
1	SWPWMD Comments	08/02/19	GMS
2	SWPWMD Comments	11/30/19	GMS
3	SWPWMD Comments	01/30/20	GMS
4	SWPWMD Comments	09/28/21	GMS

Designed by	Checked by
Issued for	Date

100% Plans May 15, 2020

Drawing Title

SWPPP & Erosion
Control Details



Drawing Number

C6.01

Sheet of

Project Number

66277.01

Mehul Patel, P.E.
Florida License No. 75549

