CONSTRUCTION PLANS FOR MULLOCH CREEK WEIR MODIFICATIONS



CALL 2 WORKING DAYS **BEFORE YOU DIG**

SUNSHINE STATE ONE CALL OF FLORIDA, INC.²

Know what's **below**.

Call before you di

IT'S THE LAW!

DIAL 811

UTILITY COMPANIES:

POTABLE WATER AND SANITARY SEWER LEE COUNTY UTILITIES 1500 MONROE STREET FORT MYERS, FLORIDA 33901

ELECTRIC FLORIDA POWER AND LIGHT (FPL) 10650 PALM BEACH BLVD. FORT MYERS, FLORIDA 33905

<u>GAS</u> TECO PEOPLES GAS 702 NORTH FRANKLIN STREET P.O. BOX 2562 TAMPA, FL 33601

<u>TELEPHONE</u> EMBARQ 2820 CARGO STREET FORT MYERS, FL 33916

CABLE TELEVISION COMCAST 26102 BONITA GRANDE BONITA SPRINGS, FL 34135

<u>SOLID_WASTE</u> WASTE_MANAGEMENT 25550 HARBOR VIEW RD. SUITE 2 PORT CHARLOTTE, FLORIDA 33980

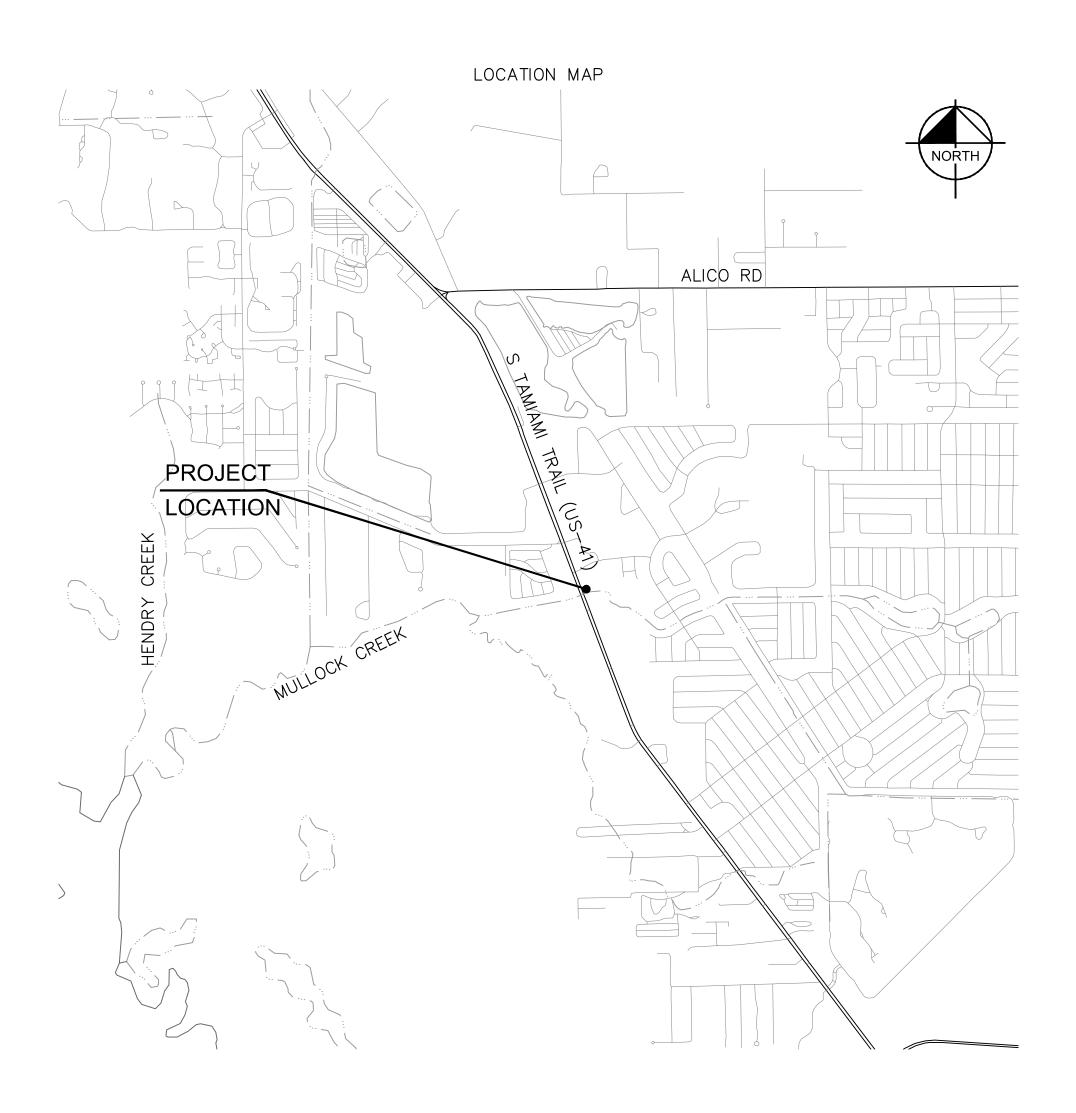
LEE COUNTY STAFF ROGER DESJARLAIS COUNTY MANAGER ROLAND OTTOLINI NATURAL RESOURCES DIRECTOR

LEE COUNTY (COMMISSIONERS
DISTRICT 1	JOHN MANNING
DISTRICT 2	CECIL PENDERGRASS
DISTRICT 3	LARRY KIKER
DISTRICT 4	BRIAN HAMMAN
DISTRICT 5	FRANK MANN



JUNE 2018

LOCATED IN SECTIONS 46, TOWNSHIP 25S, RANGE 17E LEE COUNTY, FLORIDA



SF	IEET LIST TABLE
SHEET NUMBER	SHEET TITLE
C-1	TITLE SHEET
C-2	GENERAL NOTES
C-3	AERIAL LOCATION MAP
C-4	EXISTING CONDITIONS
C-5	EXISTING CROSS SECTIONS
C-6	DEMOLITION CROSS SECTIONS
C-7	SITE PLAN
C-8	PROPOSED CROSS SECTIONS
C-9	PROPOSED CROSS SECTIONS
C-10	CONSTRUCTION PHASE I
C-11	CONSTRUCTION PHASE II
C-12	CHANNEL SILT REMOVAL
C-13	CROSS SECTIONS
C-14	DETAILS

AMY N. WICKS Florida p.e. license number # 68339 Ca # 00000696

DATE

GENERAL CONSTRUCTION NOTES

- THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE FLORIDA DEPARTMENT OF TRANSPORTATION 1. ALL PAVING, CONSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LOCAL OR 1. ALL CONTRACTORS AND SUE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (LATEST EDITION) AND BECOME FAMILIAR WITH THE COUNTY SPECIFICATIONS AND STANDARDS (LATEST EDITION) OR FDOT SPECIFICATIONS AND STANDARDS (LATEST EDITION) IF NOT COPY OF THE STORM WATER CONTENTS PRIOR TO COMMENCING WORK, AND, UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO COVERED BY LOCAL OR COUNTY REGULATIONS. ELIMINATION SYSTEM GENER THESE STANDARDS AND SPECIFICATIONS. 2. ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE REGRADED AND SODDED. THE CONTRACTOR SHALL IM THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL MATERIAL AND LABOR TO CONSTRUCT THE FACILITY AS SHOWN MANAGEMENT PRACTICES SH AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS IN ACCORDANCE WITH THE APPROPRIATE APPROVING AUTHORITIES, TRAFFIC CONTROL ON ALL FDOT, LOCAL AND COUNTY RIGHTS-OF-WAY SHALL MEET THE REQUIREMENTS OF THE MANUAL OF THROUGHOUT ALL PHASES SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR SHALL CLEAR ALL AREAS INDICATED, REMOVING TREES, STUMPS, ROOTS, UNIFORM TRAFFIC CONTROL DEVICES (U.S. DOT/FHA) AND THE REQUIREMENTS OF THE STATE AND ANY LOCAL AGENCY HAVING BEST MANAGEMENT PRACTIC MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL. JURISDICTION. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN. MANUAL OF PRACTICE, AS A EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE PERMITTING AGENCY OR OW TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL REGRADE WASHOUTS WHERE THEY OCCUR MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY AFTER EVERY RAINFALL UNTIL A GRASS STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS. EROSION CONTROL PLAN MU ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL BE STATE WATERS OR REGULAT WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED. THE CONTRACTOR SHALL SAW CUT A MINIMUM 2" DONE BEFORE HE COMMENCES ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE DEEP FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL THE CONTRACTOR SHALL MI UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST EXISTING OR AS INDICATED. INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY 6. CONTRACTOR SHALL DENOT BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY 6. WHERE NEW PAVEMENT MEETS THE EXISTING PAVEMENT, THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT A EQUIPMENT MAINTENANCE A OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR MINIMUM 2" DEEP FOR A SMOOTH AND STRAIGHT JOINT AND MATCH THE EXISTING PAVEMENT ELEVATION WITH THE PROPOSED OFFICE TRAILERS, AND TOILI SUCH WORK. PAVEMENT UNLESS OTHERWISE INDICATED. THE CONTRACTOR SHALL BE THE CONTRACTOR SHALL INSTALL FILTER FABRIC OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF CONSTRUCTION AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY HAVE BURIED OR AERIAL BASED OR TOXIC LIQUIDS FO UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS. HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. A LIST OF THE UTILITY COMPANIES RUBBISH, TRASH, GARBAGE 8 WHICH THE CONTRACTOR MUST CALL BEFORE COMMENCING WORK IS PROVIDED ON THE COVER SHEET OF THESE CONSTRUCTION SHALL BE PREVENTED FROM DRAINAGE DITCHES OR WATE PLANS. THIS LIST SERVES AS A GUIDE ONLY AND IS NOT INTENDED TO LIMIT THE UTILITY COMPANIES WHICH THE CONTRACTOR CONTRACTOR TO PROVIDE DEWATERING PLAN AND SHALL OBTAIN A WATER USE PERMIT FOR THE WITHDRAWAL OF WATER FOR CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE ENGINEER OF RECORD PRIOR TO MAY WISH TO NOTIFY. ANY EXCAVATION. 9. ALL STORM WATER POLLUTI THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED 9. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO FDOT 10. ALL MATERIALS SPILLED, DRO PRIOR TO CONSTRUCTION. STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN REMOVED AS SOON AS POSS THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS AGREEMENT, THE MOST STRINGENT SHALL GOVERN. INCLUDING PLANS, SPECIFICATIONS, AND SPECIAL CONDITIONS AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS. 11. ON-SITE & OFF SITE SOIL STO 10. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED PER PLANS. THE AREAS SHALL THEN BE SODDED AS IMPLEMENTATION OF BEST M PLAN AND PERMITTED IN ACC ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE OWNER AND ENGINEER SPECIFIED IN THE PLANS, AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF FOR ANY REASON PRIOR TO FINAL ACCEPTANCE OF THE JOB SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL 12. DUE TO GRADE CHANGES DU THE OWNER AND NOTIFICATION TO THE ENGINEER OF RECORD. COST TO THE OWNER. ADJUSTING THE EROSION CO ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER AND ENGINEER THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING 11 OF RECORD DIRECTLY FROM THE TESTING AGENCY. CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL 13. ALL CONSTRUCTION SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION. UTILITY CONSTRUCTION AND 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 12. THE CONTRACTOR SHALL TAKE ALL REQUIRED MEASURES TO CONTROL TURBIDITY, INCLUDING BUT NOT LIMITED TO THE 14. RUBBLE RIPRAP SHALL MEET INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO ALL CONSTRUCTED IMPROVEMENTS THAT ARE REQUIRED BY THE JURISDICTIONAL AGENCIES FOR THE CERTIFICATION PROCESS. ALL SURVEY COSTS WILL BE THE CONTRACTORS RESPONSIBILITY. 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 SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT THE CONTRACTOR MUST REMOVE THE BARRIERS. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE WATER QUALITY STANDARDS IN CHAPTER 62-302, FLORIDA ADMINISTRATIVE CODE. CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE MAINTENANCE AFFECTED. FAILURE TO NOTIFY OWNER OF AN IDENTIFIABLE CONFLICT PRIOR TO PROCEEDING WITH INSTALLATION RELIEVES 13. SOD, WHERE CALLED FOR, MUST BE INSTALLED AND MAINTAINED ON EXPOSED SLOPES WITHIN 48 HOURS OF COMPLETING FINAL OWNER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER. GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION OR TURBID DISCHARGES. ALL MEASURES STATED ON THE 14. THE CONTRACTOR MUST REVIEW AND MAINTAIN A COPY OF THE ENVIRONMENTAL RESOURCE PERMIT COMPLETE WITH ALL SHALL BE MAINTAINED IN FULLY CONDITIONS, ATTACHMENTS, EXHIBITS, AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE STABILIZATION OF THE SITE. ALL COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY WATER MANAGEMENT DISTRICT REPRESENTATIVES. LEAST ONCE EVERY SEVEN CALE 1255 (EL. 8.77) & FDOT BENCHMARK 1244 (EL. 8.58). REPAIRED IN ACCORDANCE WITH 15. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER LEE COUNTY UTILITIES DESIGN MANUAL SECTION 7.3.A.2 AND 7.5.A.5, AND FDOT 2018 SPECIFICATIONS IF NOT COVERED BY THE LEE COUNTY UTILITIES DESIGN MANUAL.
- 11. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SAFETY AND CONSTRUCTION PROCEDURES. 12. B.M. DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD '88). ELEVATIONS SHOWN ARE BASED ON FDOT BENCHMARK 13. CONCRETE:

- A. CONCRETE SHALL CONFORM TO SECTION 346 OF THE FDOT 2018 STANDARD SPECIFICATIONS. CONCRETE SHALL BE CLASS III 16. LENGTH OF STORM DRAIN PIPES ARE APPROXIMATE AND ARE MEASURED FROM CENTER WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 5,000 PSI. OF STRUCTURE.
- B. PROVIDE 4" CONCRETE COVER OVER REINFORCING BARS EXCEPT AS OTHERWISE NOTED.
- C. PROVIDE 3/4" CHAMFERS ON ALL EXPOSED CONCRETE EDGES EXCEPT AS OTHERWISE NOTED.
- D. FINISH ACCORDANCE WITH ARTICLE 400-15 OF THE SPECIFICATIONS UNLESS OTHERWISE NOTED. FINISH ALL EXPOSED CONCRETE SURFACES WITH A CLASS 2 SURFACE FINISH.
- 14. REINFORCEMENT:
- A. REINFORCING STEEL SHALL BE A.S.T.M. A-615 WITH SUPPLEMENT, GRADE 60.
- B. ALL REINFORCEMENT SHALL BE UNCOATED (BLACK).
- C. ALL DIMENSIONS PERTAINING TO LOCATION OF REINFORCING BARS ARE TO BE CENTERLINE OF BARS EXCEPT WHERE THE CLEAR DIMENSION IS SHOWN TO FACE OF CONCRETE.
- D. CONSTRUCTION OF REINFORCEMENT PER PER SECTION 03200 OF THE MULLOCH CREEK WEIR MODIFICATION TECHNICAL SPECIFICATIONS.

DEMOLITION NOTES

- ALL MATERIAL REMOVED FROM THIS SITE BY THE CONTRACTOR SHALL BE DISPOSED OF BY THE CONTRACTOR IN A LEGAL MANNER.
- 2. REFER TO THE TOPOGRAPHIC SURVEY FOR ADDITIONAL DETAILS OF EXISTING STRUCTURES, ETC., LOCATED WITHIN THE PROJECT SITE. SEE CONSTRUCTION PHASE SHEETS FOR ITEMS TO BE REMOVED FROM THE SITE BY THE CONTRACTOR AND PROPERLY DISPOSED OF IN A LEGAL MANNER AS PART OF THIS CONTRACT. SOME ITEMS TO BE REMOVED MAY NOT BE DEPICTED ON THE TOPOGRAPHIC SURVEY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE FULL EXTENT OF ITEMS TO BE REMOVED. IF ANY ITEMS ARE IN QUESTION, THE CONTRACTOR SHALL CONTACT THE OWNER PRIOR TO REMOVAL OF SAID ITEMS.
- CONTRACTOR TO OBTAIN ANY REQUIRED TREE REMOVAL PERMITS.
- 4. PROTECT EXISTING FACILITIES, STRUCTURES AND UTILITY LINES FROM ALL DAMAGE. CONTRACTOR SHALL PROTECT THE WORK, ADJACENT PROPERTY, AND THE PUBLIC. CONTRACTOR IS SOLELY RESPONSIBLE FOR DAMAGE OR INJURY DUE TO HIS ACT OR NEGLECT.
- WEIR AND SLUICE GATES AND ITS COMPONENTS, REMAINING ALUMINUM GRATES, AND ALUMINUM HANDRAIL SHALL BE RETURNED TO THE OWNER.

PAVING, GRADING AND DRAINAGE NOTES

UTILITY NOTES

- 1. STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- UNDERGROUND LINES SHALL BE SURVEYED BY A STATE OF FLORIDA PROFESSIONAL LAND SURVEYOR PRIOR TO BACK FILLING, AT 2 CONTRACTORS OWN EXPENSE. CONTRACTOR SHALL SUBMIT SURVEY WITH MONTHLY PAY REQUEST.
- CONTRACTOR SHALL PERFORM, AT HIS OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE MULLOCH CREEK WEIR 3 MODIFICATION TECHNICAL SPECIFICATIONS AND/OR ANY AGENCY HAVING JURISDICTION. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.

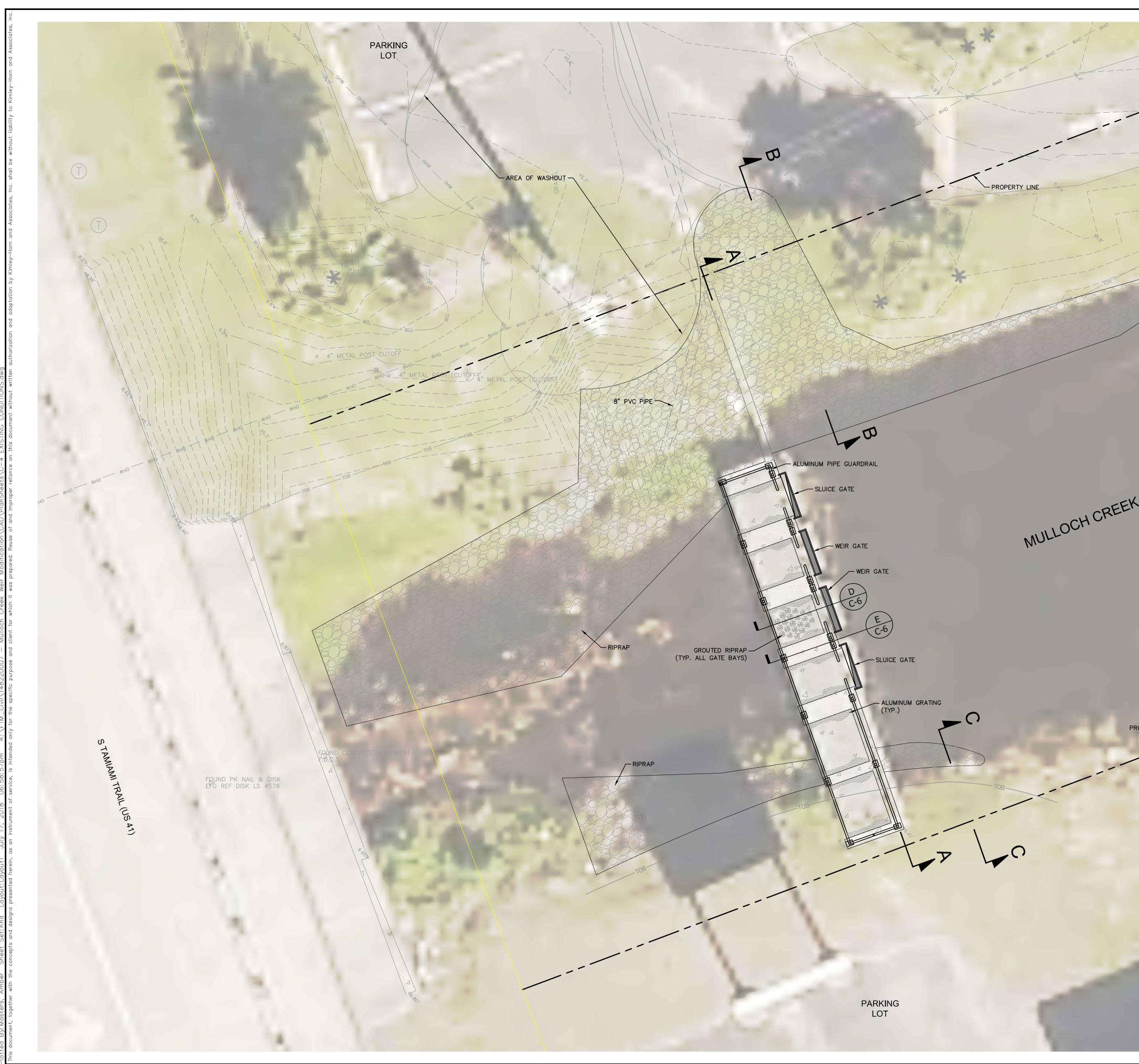
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- INLET PROTECTION DEVICES DETERIORATION.
- 2. SILT FENCES SHALL BE REPA FENCES WHEN IT REACHES (
- 3. THE TEMPORARY PARKING A THIS MAY REQUIRE PERIODIC
- 4. ALL MAINTENANCE OPERATIO THE INSPECTION.

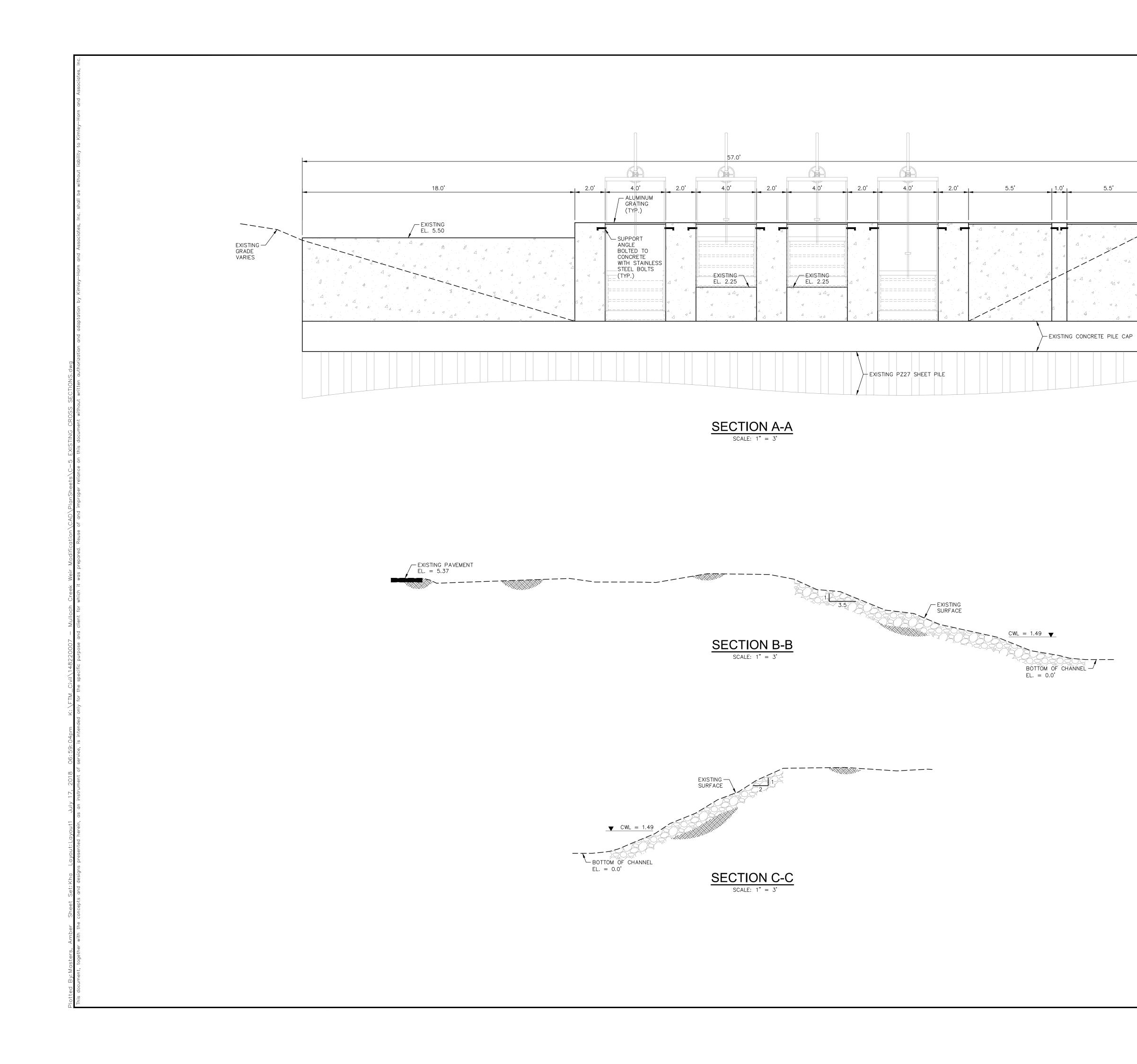
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JBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION "SWPPP" SHALL OBTAIN A ER POLLUTION PREVENTION PLAN AND THE STATE OF FLORIDA NATIONAL POLLUTANT DISCHARGE ERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.	DATE
MPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST TO THE OWNER OF CONSTRUCTION.	
TICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE WNER.	ν
IUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING ATED WETLANDS MUST BE MAINTAINED ON SITE AT ALL TIMES.	EVISION
/INIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT. TE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, LET FACILITIES.	
BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.	ÖZ
E, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS M LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO TERS OF THE STATE.	33901
TION PREVENTION MEASURES PRESENTED ON THE PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE. ROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE SSIBLE.	ASSOCIATES, INC. ASSOCIATES, INC. FORT MYERS, FL 3 AX: 941-379-4352 CA 00000696
TOCKPILE AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH MANAGEMENT PRACTICES. STOCKPILE AREA LOCATIONS SHALL BE NOTED ON THE EROSION CONTROL CCORDANCE WITH GENERAL PERMIT REQUIREMENTS.	
DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL MEASURES (SILT FENCES, ETC.) TO PREVENT EROSION.	MLEY-HORN ANI STREET, SUITE 2 59-271-2650 F
. BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACK FILLING OF TRENCHES FOR ID PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.	© 2018 KIMLEY © 2018 KIMLEY 12 JACKSON STRE PHONE: 239–2 WWW.KIMLEY
ET THE REQUIREMENTS OF SECTION 530 OF THE FDOT 2018 STANDARD SPECIFICATIONS.	1412 JACK PHON
E EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, 7 FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL LL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT ENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND TH THE FOLLOWING:	LICENSED PROFESSIONAL AMY N. WICKS FLORIDA LICENSE NUMBER 68339 E:
S AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR	L
PAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT S ONE-HALF THE HEIGHT OF THE SILT FENCE.	PROJECT 220007)ATE)ATE AS SHOWN BY KHA BY ANW
AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). NC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.	KHA PRO 148220 DATE JUNE 2 SCALE AS SCALE AS DESIGNED BY DRAWN BY CHECKED BY
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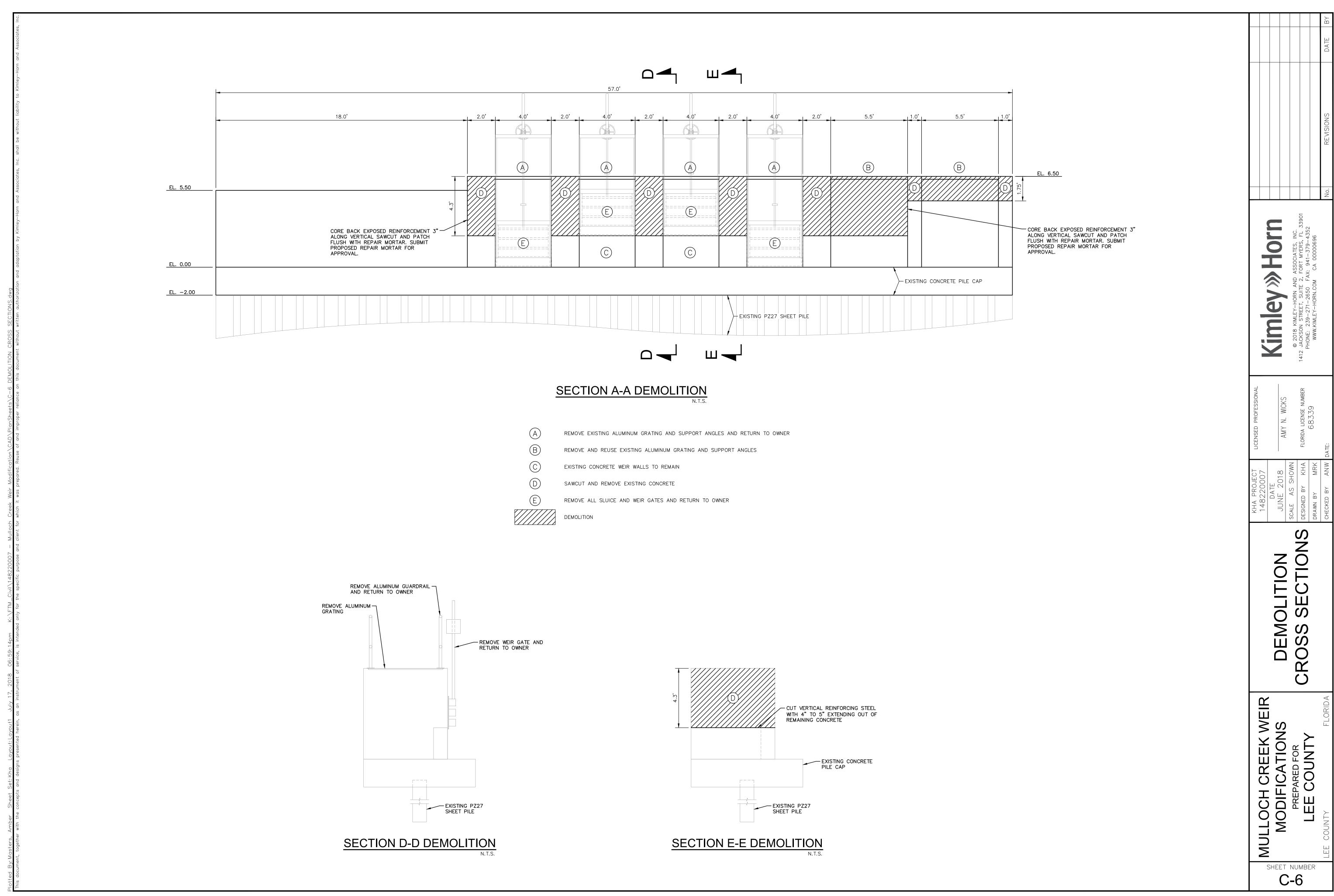


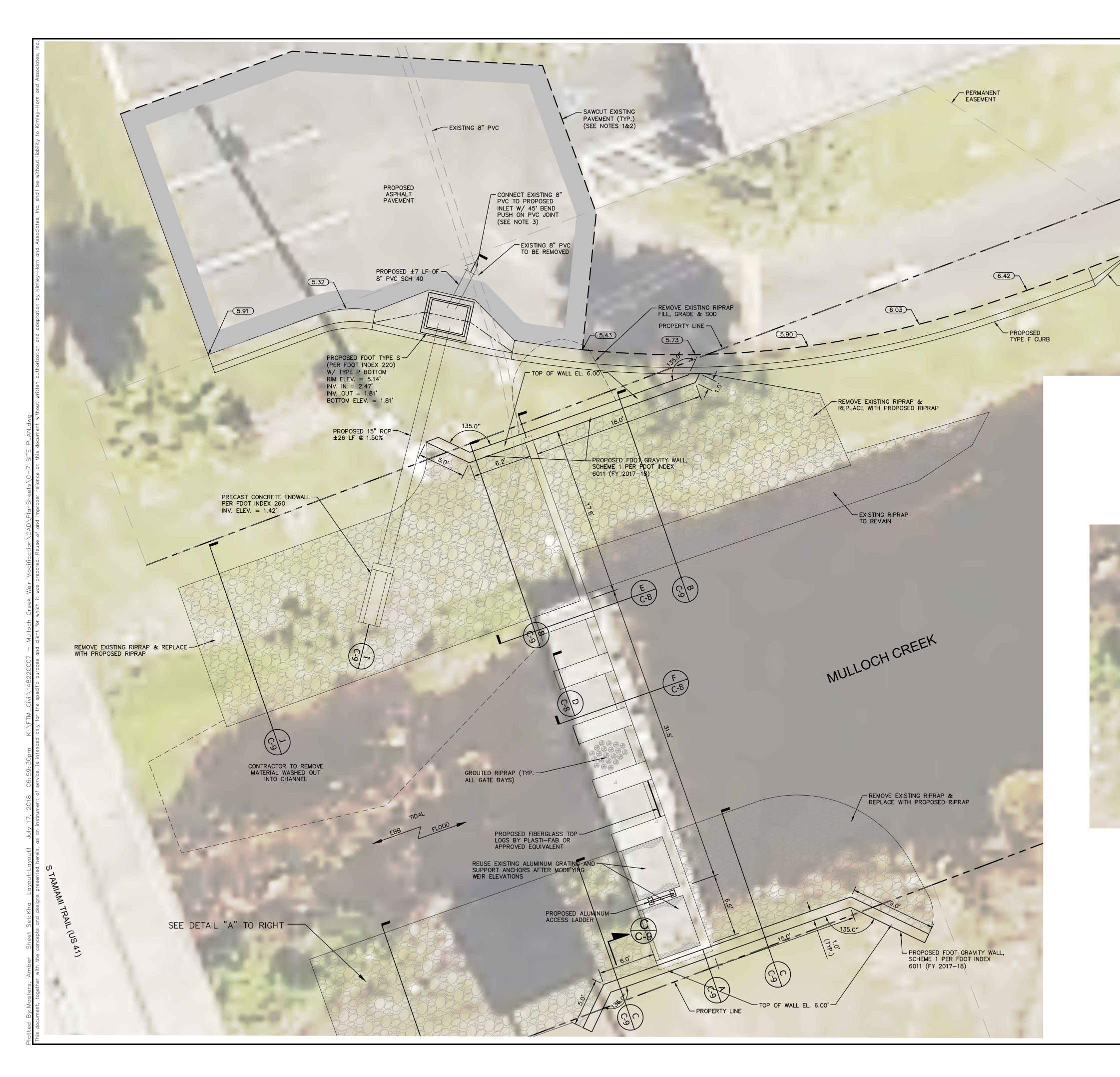


CRAPHIC SCALE IN FEET	Kimley Horn
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PROPERTY LINE NOTES 1. ELEVATIONS SHOWN HERE ARE RELATIVE TO NORTH AMERICAN VETICAL DATUM OF 1988 (NAVD 88). 2. SURVEY INFORMATION FROM BOUNDARY AND TOPOGRAPHIC SURVEY PROVIDED BY E.F. GAINES SURVEYING SERVICES, INC. DATED 02/28/18.	EXISTING CONDITIONS
3. AERIAL FLIGHT YEAR 2017. \underline{LEGEND} $R/W = RIGHT-OF-WAY$	AULLOCH CREEK WEIR MULLOCH CREEK WEIR MODIFICATIONS PREPARED FOR LEE COUNTY LEE COUNTY LEE COUNTY

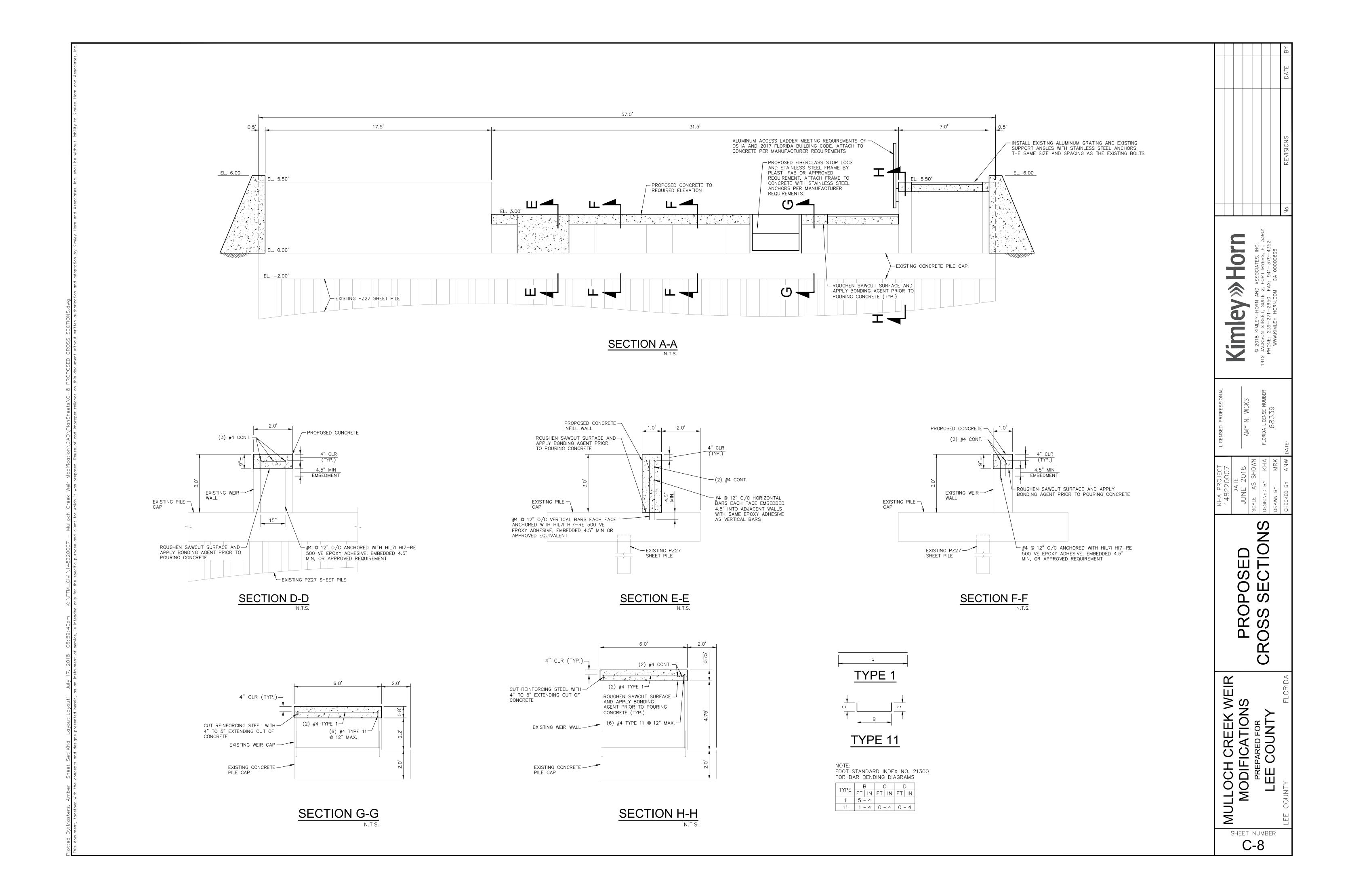


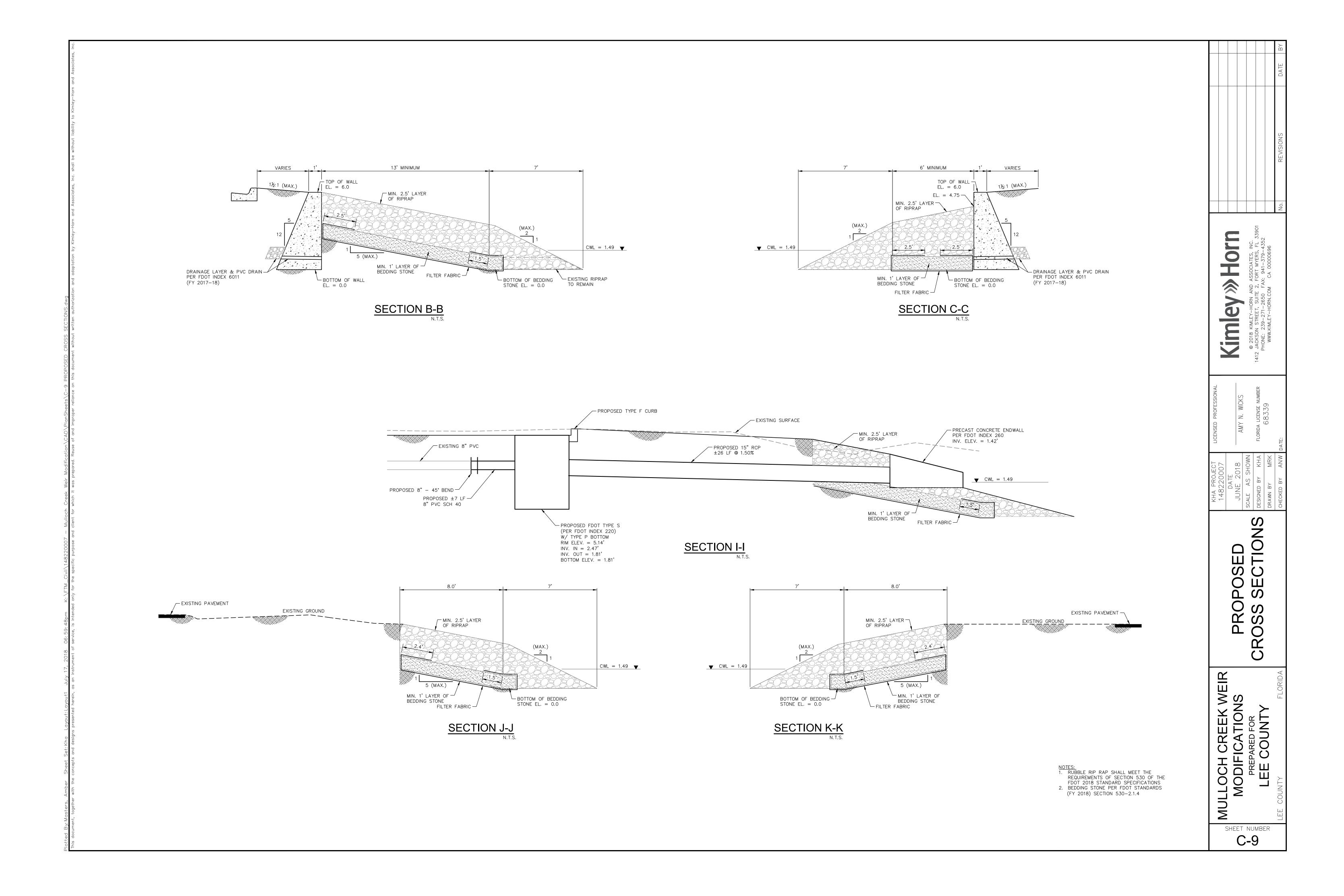
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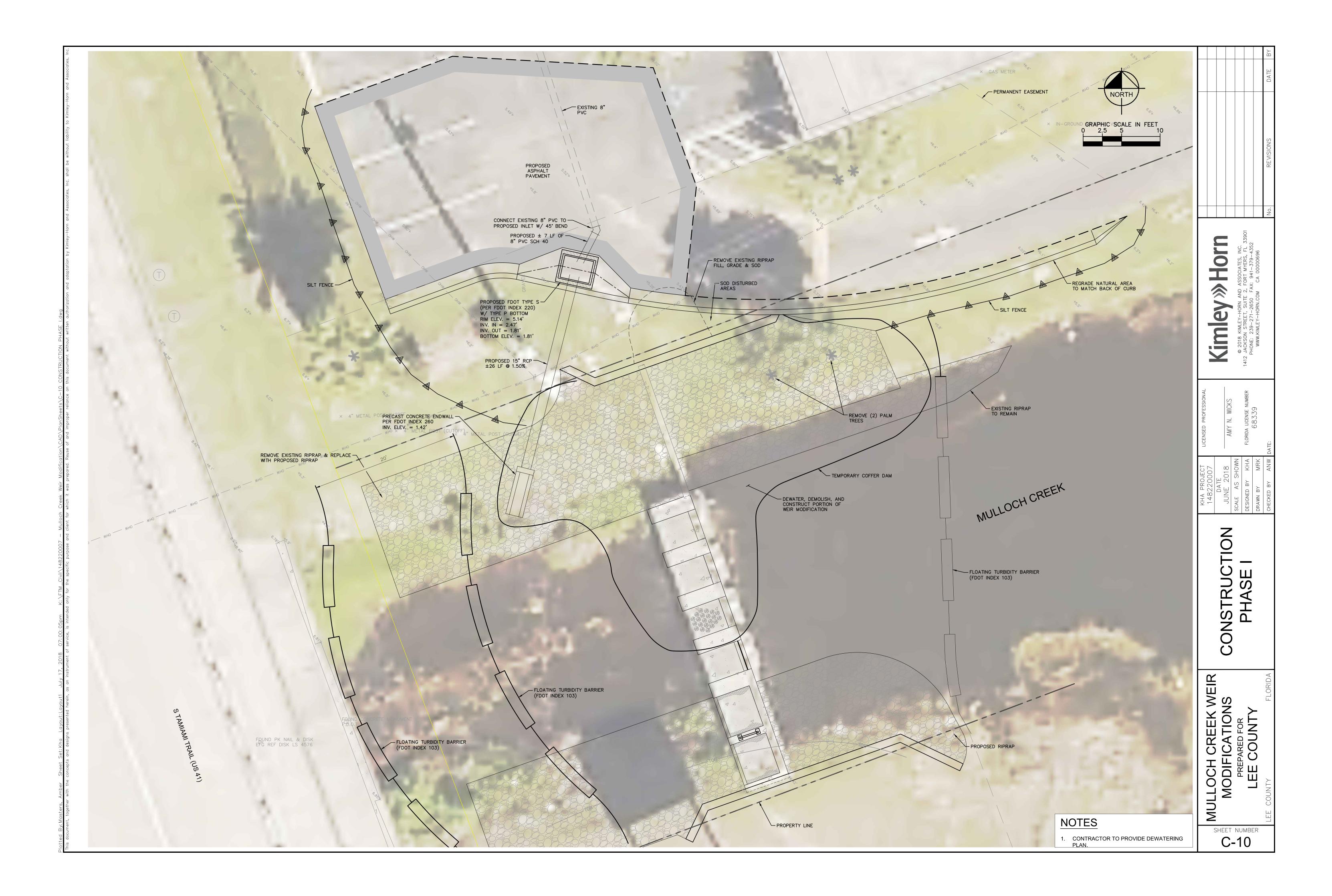




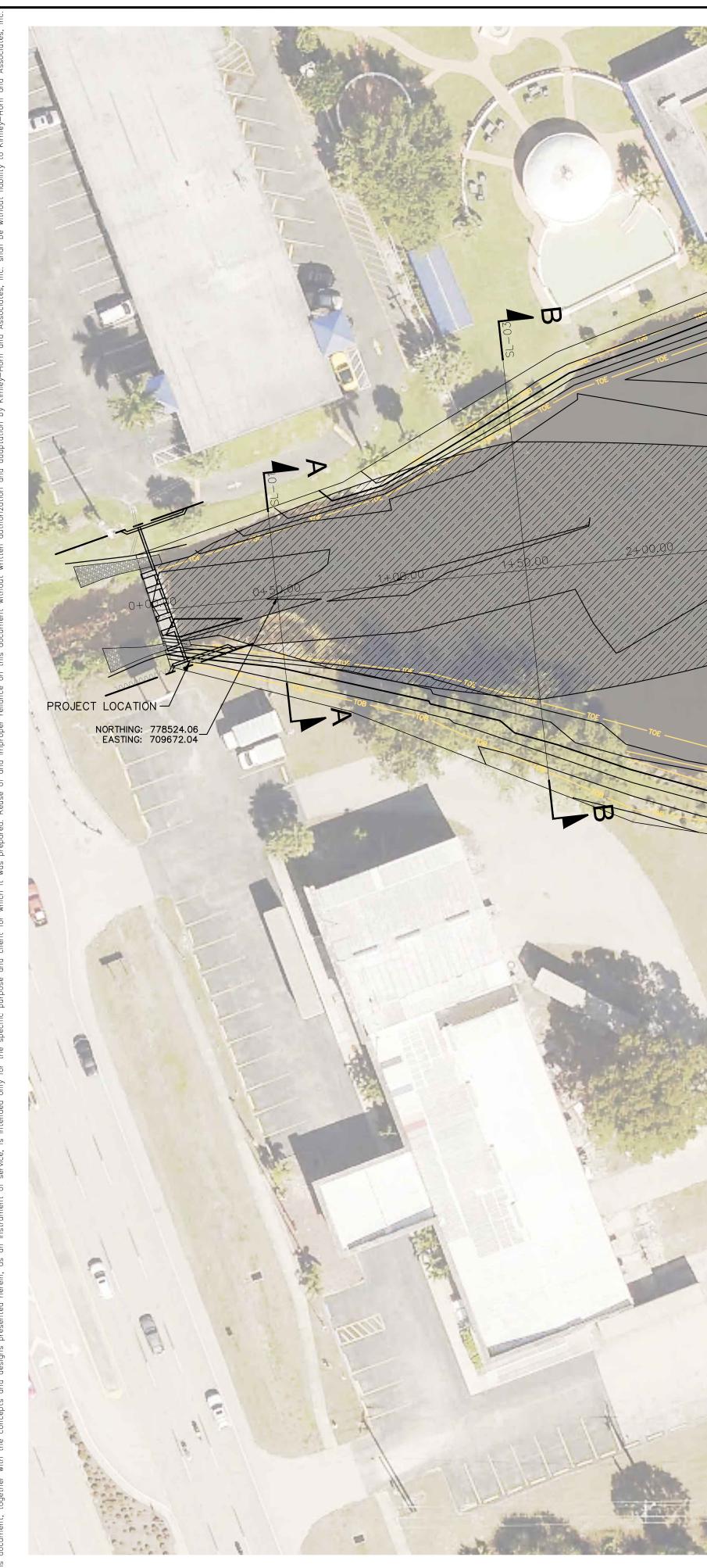
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F CURB TRANSITION		Simley Horn © 2018 KIMLEY-HORN AND ASSOCIATES, INC. 1412 JACKSON STREET, SUITE 2, FORT MYERS, FL 33901 1412 JACKSON STREET, SUITE 2, FORT MYERS, FL 33901 PHONE: 239-271-2650 FAX: 941-379-4352 WWW.KIMLEY-HORN.COM CA 00000696
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DETALL CALE 1*	 "A" "= 5" NOTES: SAWCUT EDGE OF PAVEMENT 2 INCHES WHERE F CURB IS PROPOSED. EDGE OF PROPOSED ASPHALT PAVEMENT MUST BE RE-CUT IF DAMAGED. GLUE PVC FITTING PER MANUFACTURER SPECIFICATIONS TO ACHEIVE A WATER TIGHT JOINT. 	A C-2 FLORIDA I COUNTY FICE COUNTY FLORIDA F















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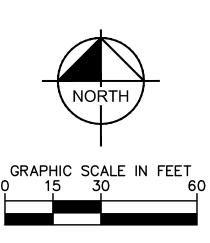
- 600 L.F. OF MULLOCH CREEK.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE AGENCY REGULATIONS, PERMIT REQUIREMENTS AND FDOT DESIGN STANDARDS.

- STRUCTURAL PRACTICES: DISTURBING SOIL UPSTREAM OF THE CONTROL.
- WASTE DISPOSAL: UNLESS OTHERWISE APPROVED BY THE DISTRICT.
- SURFACE WATERS, OR WETLANDS.
- UNLESS OTHERWISE APPROVED BY THE DISTRICT.
- A. COVERING LOADED HAUL TRUCKS WITH TARPAULINS. B. REMOVING EXCESS DIRT FROM PAVED ROADS DAILY. D. USING WATER TRUCKS TO CONTROL DUST.
- FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

N & March

BA SE S





LEGEND

APPROXIMATE LIMIT OF MAINTENANCE DREDGING

NATURE OF CONSTRUCTION ACTIVITY: THE PROJECT INCLUDES THE REMOVAL OF ACCUMULATED SEDIMENT FROM APPROXIMATELY

2. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES: THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

4. MATERIAL REMOVED FROM CREEK BOTTOM AND SIDES DURING SEDIMENT REMOVAL SHALL BE DISPOSED OF PROPERLY.

5. ALL VEGETATION REMOVED FROM THE CREEK CHANNEL SHALL BE DISPOSED OF PROPERLY. NO BURNING OF REMOVED VEGETATION SHALL BE ALLOWED. CONTRACTOR SHALL ENSURE THAT NONE OF THE REMOVED VEGETATION REMAINS IN THE CREEK CHANNEL.

THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE

THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING,

A. PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES. B. DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE. BUT NOT IN

<u>OFF-SITE VEHICLE TRACKING & DUST CONTROL:</u> THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING,

C. STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO FDOT DESIGN STANDARD 106.

9. THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS

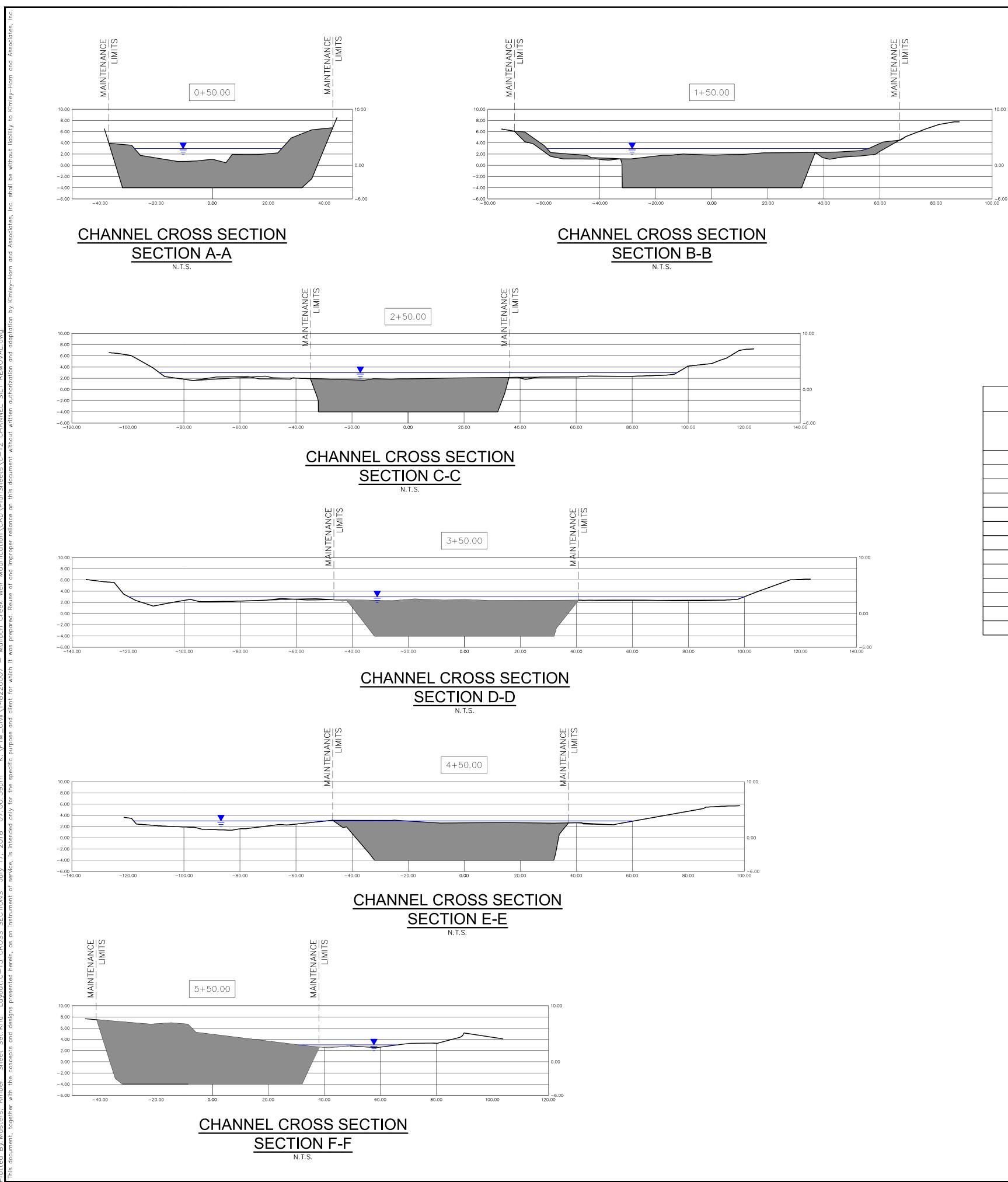
10. THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES.

11. IF DEWATERING IS REQUIRED, CONTRACTOR TO PROVIDE DEWATERING PLAN.

12. THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

MULLOCH CREFK WEIR		KHA PROJECT 148220007	LICENSED PROFESSIONAL				
MODIFICATIONS	CHANNEL SILT	DATE JUNE 2018	AMY N. WICKS	KIMIey »> HOFN			
A		SCALE AS SHOWN		© 2018 KIMLEY-HORN AND ASSOCIATES, INC.			
	REMOVAL	DESIGNED BY KHA	FLORIDA LICENSE NUMBER	1412 JACKSON STREET, SUITE 2, FORT MYERS, FL 33901 PHONF: 239-271-2650 Fax: 941-379-4352			
		DRAWN BY MRK	68339	WWW.KIMLEY-HORN.COM CA 0000696			
LEE COUNTY FLORIDA		CHECKED BY ANW DATE:	A TE:		No.	REVISIONS	DATE BY

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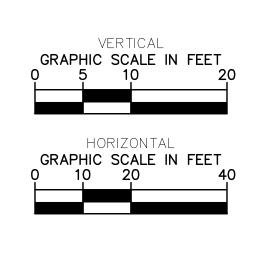


	CHANNEL SEE	DIMENT EARTHW	ORK VOLUME	
STATION	SINGLE END AREA (SF)	DOUBLE END AREA (SF)	DISTANCE (FT)	VOLUME (CY)
0+50	925			
		1825	100	3400
1+50	900			
		1700	100	3150
2+50	800			
		1730	100	3200
3+50	930			
		1910	100	3550
4+50	980			
		2310	100	4300
5+50	1330			
		1300	100	2400
			TOTAL	20000

NOTES

- 600 L.F. OF MULLOCH CREEK.
- DESIGN STANDARDS.
- ENVIRONMENTALLY SAFE MANNER.
- REMAINS IN THE CREEK CHANNEL.
- DISTURBING SOIL UPSTREAM OF THE CONTROL.
- UNLESS OTHERWISE APPROVED BY THE DISTRICT.
- SURFACE WATERS, OR WETLANDS.
- 8. OFF-SITE VEHICLE TRACKING & DUST CONTROL: UNLESS OTHERWISE APPROVED BY THE DISTRICT.
- A. COVERING LOADED HAUL TRUCKS WITH TARPAULINS. B. REMOVING EXCESS DIRT FROM PAVED ROADS DAILY. D. USING WATER TRUCKS TO CONTROL DUST.
- FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

V	ALLI OCH CREFK WFIR		KHA PROJECT 148220007	LICENSED PROFESSIONAL				
SHEET C	MODIFICATIONS		DATE JUNE 2018	AMY N. WICKS	KIMIey »Horn			
- NL	PREPARED FOR	CROSS SECTIONS	SCALE AS SHOWN		© 2018 KIMLEY-HORN AND ASSOCIATES, INC.			
лмві З	• •		DESIGNED BY KHA	FLORIDA	1412 JACKSON STREET, SUITE 2, FORT MYERS, FL 33901 phone: 239-271-2650 Fax: 941-379-4352			
ER			DRAWN BY MRK	68339	WWW.KIMLEY-HORN.COM CA 00000696			
LEt	EE COUNTY FLORIDA		CHECKED BY ANW DATE:	DATE:		No.	REVISIONS	DATE BY



LEGEND



CONTROL ELEVATION

CHANNEL SILT

1. NATURE OF CONSTRUCTION ACTIVITY: THE PROJECT INCLUDES THE REMOVAL OF ACCUMULATED SEDIMENT FROM APPROXIMATELY

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3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE AGENCY REGULATIONS, PERMIT REQUIREMENTS AND FDOT

4. MATERIAL REMOVED FROM CREEK BOTTOM AND SIDES DURING SEDIMENT REMOVAL SHALL BE DISPOSED OFF-SITE IN AN

5. ALL VEGETATION REMOVED FROM THE CREEK CHANNEL SHALL BE DISPOSED OFF-SITE IN AN ENVIRONMENTALLY SAFE MANNER. NO BURNING OF REMOVED VEGETATION SHALL BE ALLOWED. CONTRACTOR SHALL ENSURE THAT NONE OF THE REMOVED VEGETATION

6. <u>STRUCTURAL PRACTICES</u>: THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE

7. <u>WASTE DISPOSAL:</u> THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING,

A. PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES. B. DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE. BUT NOT IN

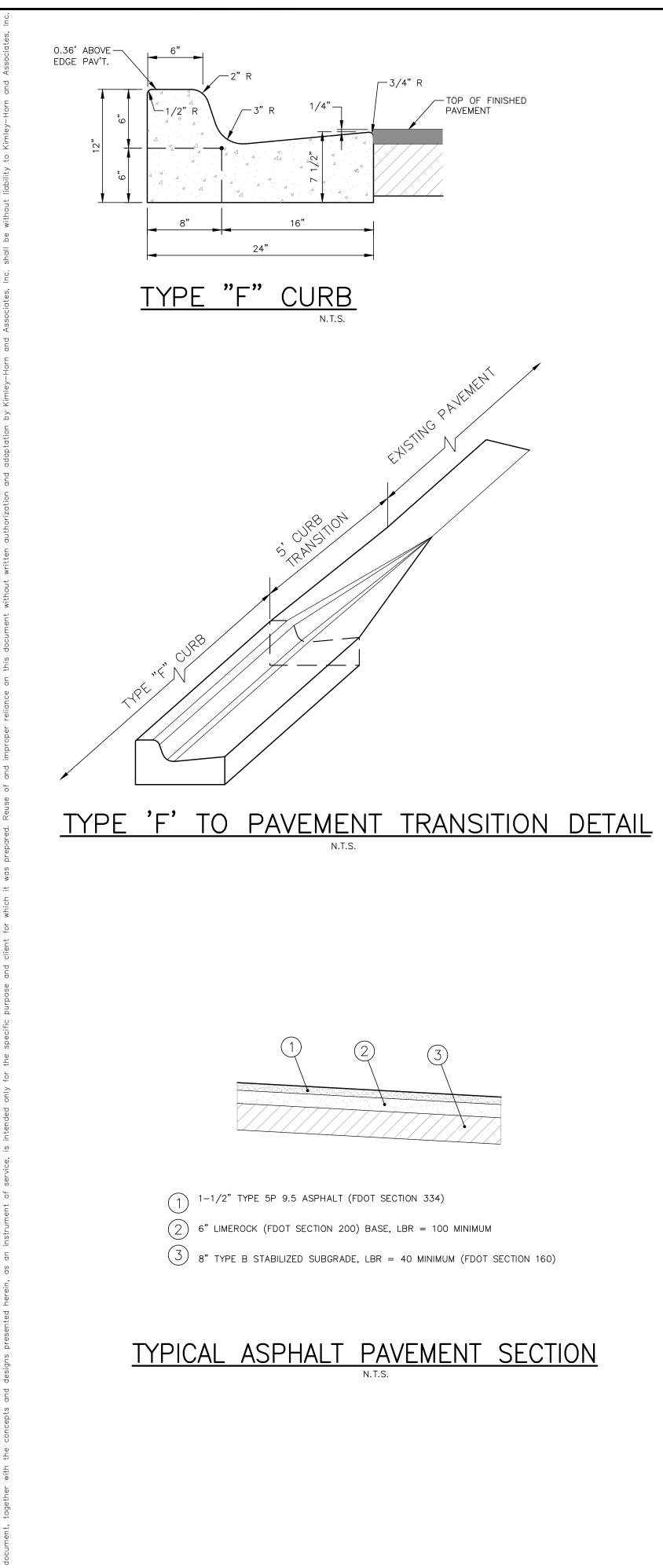
THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING,

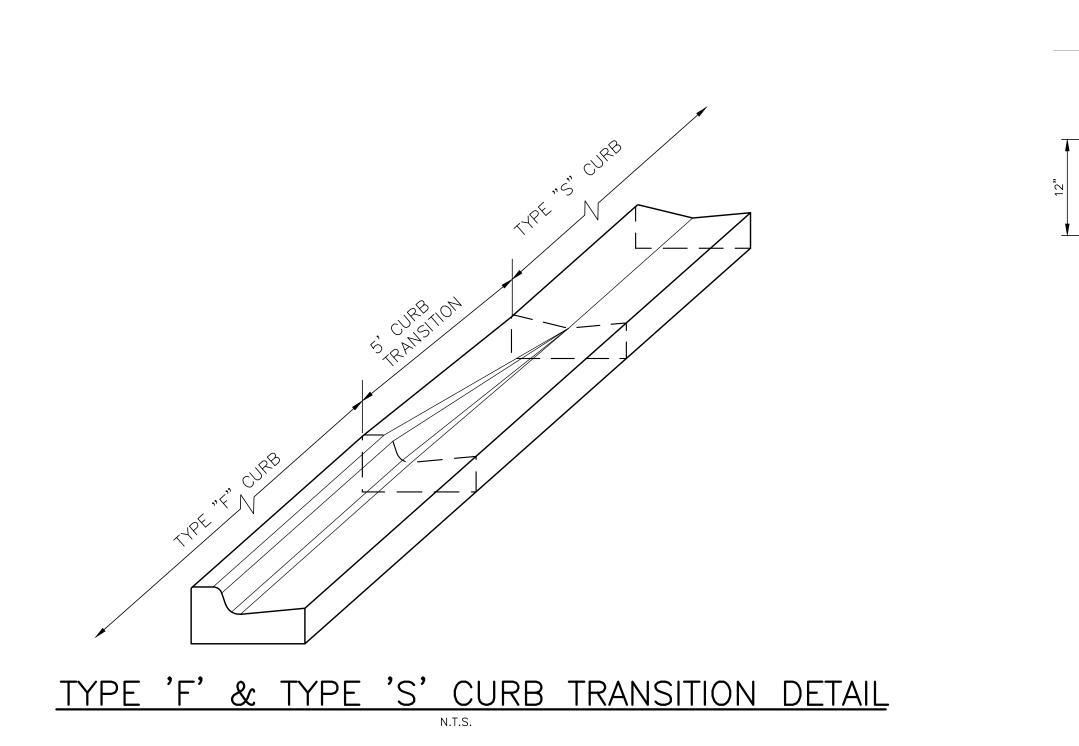
C. STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO FDOT DESIGN STANDARD 106.

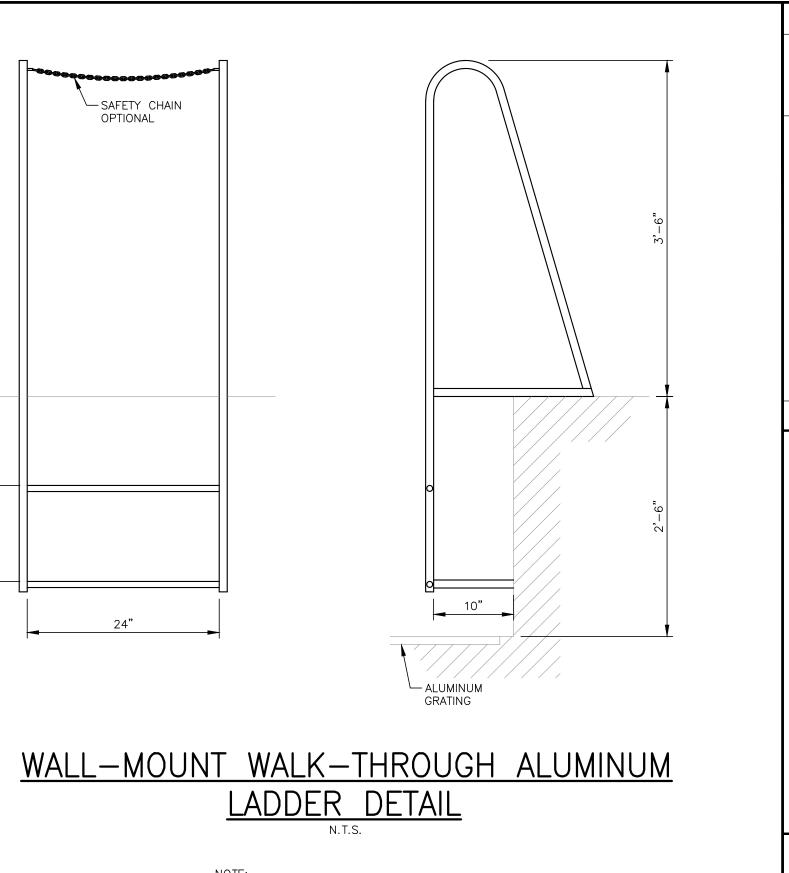
9. THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS

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11. THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.







NOTE: CONTRACTOR TO PROVIDE SHOP DRAWINGS

