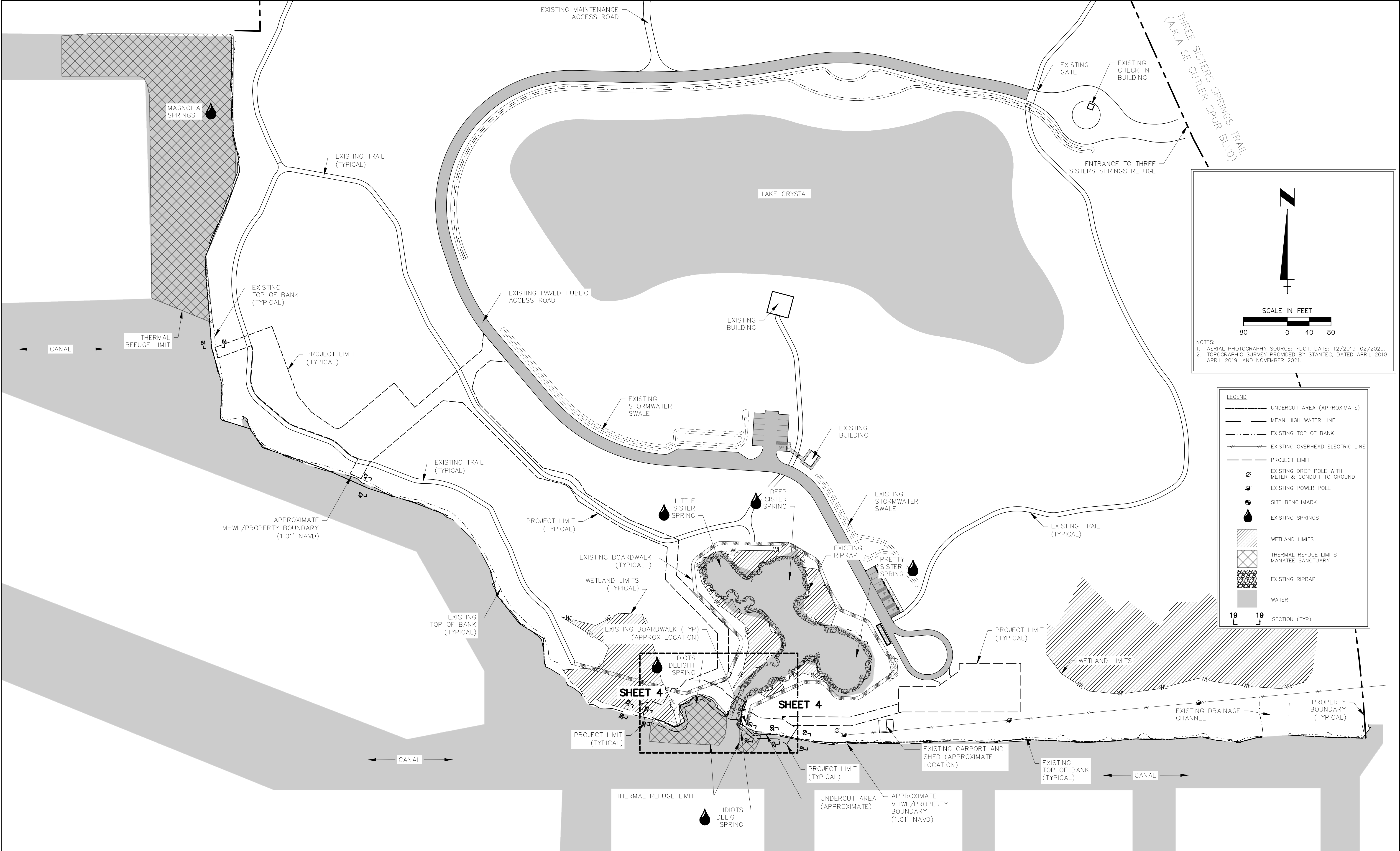


						ACTIVITY	INITIALS/EMP. NO.	DATE
						DESIGNED BY:	RQS/89561	JULY 2020
						DRAWN BY:	KG/101511	DEC 2020
B	REV NOTE 2		4/11/22	RQS/89561	RC/124313	CHECKED BY:	JB/113637	JULY 2020
A	REVISIONS PER SWFWMD COMMENTS		8/12/21	RC/124313	RQS/89561	CONTRACT ADMIN. BY:		
△ REV. NO.	REVISION		DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:		



						ACTIVITY		INITIALS/EMP. NO.		DATE		<div><div><div></div></div><div>Stantec</div><div>6900 Professional Parkway East, Sarasota, FL 34240-8414 Phone 941-907-6900 • Fax 941-907-6910 Certificate of Authorization #27013 • www.stantec.com</div></div> <div>The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.</div>	CLIENT:		SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT				DATE: JULY 2020		TITLE:							
						DESIGNED BY:		RQS/89561		JULY 2020			HORIZONTAL SCALE:		EXISTING CONDITIONS													
B				REV NOTE 2									VERTICAL SCALE:		SITE PLAN KEY SHEET				INDEX NUMBER:									
A				REVISONS PER SWFWMD COMMENTS		4/11/22		RQS/89561		RC/124313			CHECKED BY:		JB/113637		JULY 2020		CONTRACT ADMIN. BY:									
△REV. NO.		REVISION				DATE		DRAWN BY / EMP. NO.		CHECKED BY / EMP. NO.		WM APPROVED BY:																
						8/12/21		RC/124313		RQS/89561																		

LEGEND

2.0

EXISTING SPOT ELEVATION (NAVD '88)

1

EXISTING CONTOUR LINE WITH ELEVATION (NAVD '88)

UNDERCUT AREA (APPROXIMATE)

MEAN HIGH WATER LINE

EXISTING TOP OF BANK

EXISTING OVERHEAD ELECTRIC LINE

WETLAND LIMITS

PROJECT LIMIT

EXISTING DROP POLE WITH METER & CONDUIT TO GROUND

EXISTING POWER POLE

SITE BENCHMARK

EXISTING SPRINGS

SECTION (TYP)

WETLAND LIMITS

THERMAL REFUGE LIMITS MANATEE SANCTUARY

EXISTING RIPRAP

WATER

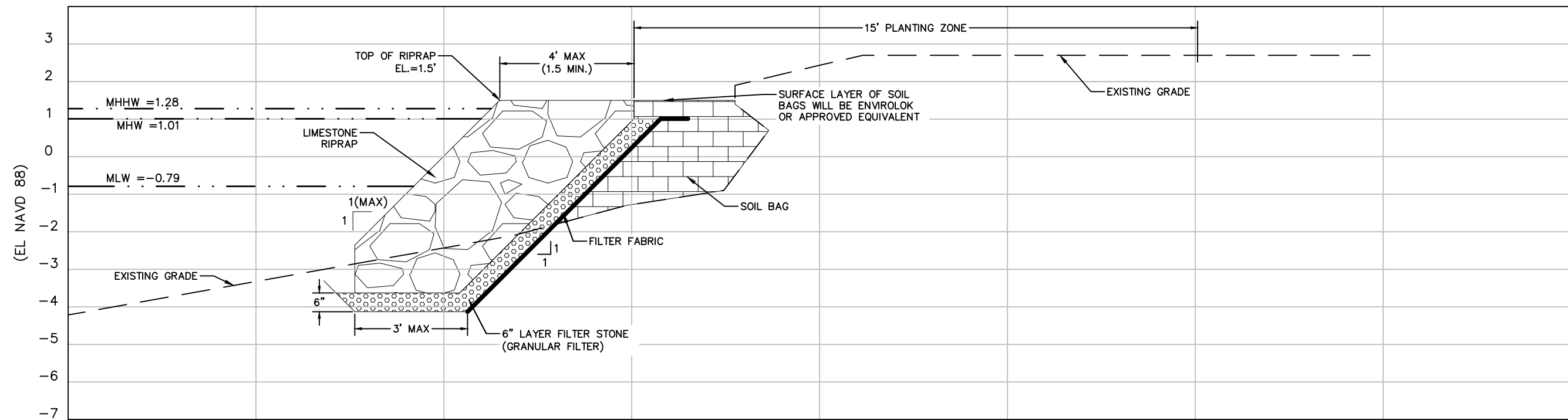
NOTES:

1. AERIAL PHOTOGRAPHY SOURCE: FDOT. DATE: 12/2019-02/2020.

2. TOPOGRAPHIC SURVEY PROVIDED BY STANTEC, DATED APRIL 2018, APRIL 2019, NOVEMBER 2021.

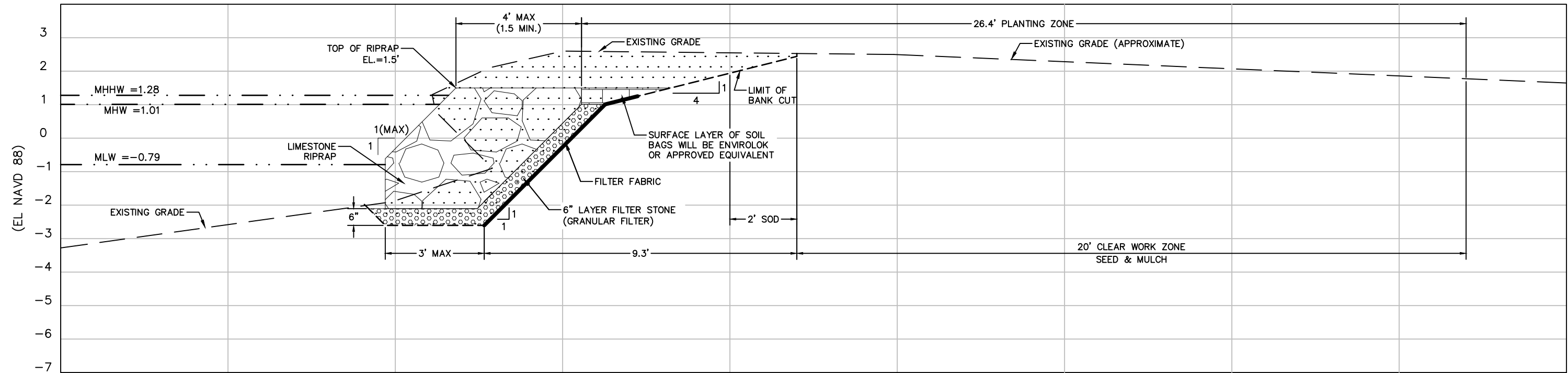
The site plan illustrates the existing conditions for the Three Sisters Springs Canal Shoreline Stabilization Project. It features a central area labeled 'THERMAL REFUGE LIMITS MANATEE SANCTUARY' (hatched pattern) and 'WETLAND LIMITS' (diagonal lines). The 'PROJECT LIMIT' is shown as a dashed line. Key features include 'EXISTING BOARDWALK (TYPICAL)', 'EXISTING RIPRAP', 'EXISTING BOLLARDS', 'EXISTING SOLAR POWER POLE', 'EXISTING MONITORING STATION', and 'EXISTING SPRINGS'. Specific points of interest are 'IDIOTS DELIGHT SPRING' and 'IDIOTS DELIGHT 2 SPRING'. The plan also shows 'UNDERCUT AREA (APPROXIMATE)' and 'APPROXIMATE MHWL/PROPERTY BOUNDARY (1.01' NAVD)'. Elevation data is provided throughout the plan, and a north arrow and scale bar (0 to 10 feet) are included.

				ACTIVITY		INITIALS/EMP. NO.	DATE					CLIENT:		DATE:	TITLE:		
				DESIGNED BY:		RQS/89561	JULY 2020					PROJECT:		JULY 2020	EXISTING CONDITIONS		
B				DRAWN BY:		KG/101511	DEC 2020					THREE SISTERS SPRINGS		HORIZONTAL SCALE:	SITE PLAN		
A				CHECKED BY:		JB/113637	JULY 2020					CANAL SHORELINE STABILIZATION PROJECT		GRAPHIC		INDEX NUMBER:	
				CONTRACT ADMIN. BY:										VERTICAL SCALE:			
				WM APPROVED BY:										N.T.S.			
														SEC. TWP. RGE:	CROSS REFERENCE FILE NO.:	PROJECT NUMBER:	SHEET NUMBER:
														28 18S 17E	215510582/177310862	177311300	4 OF 14



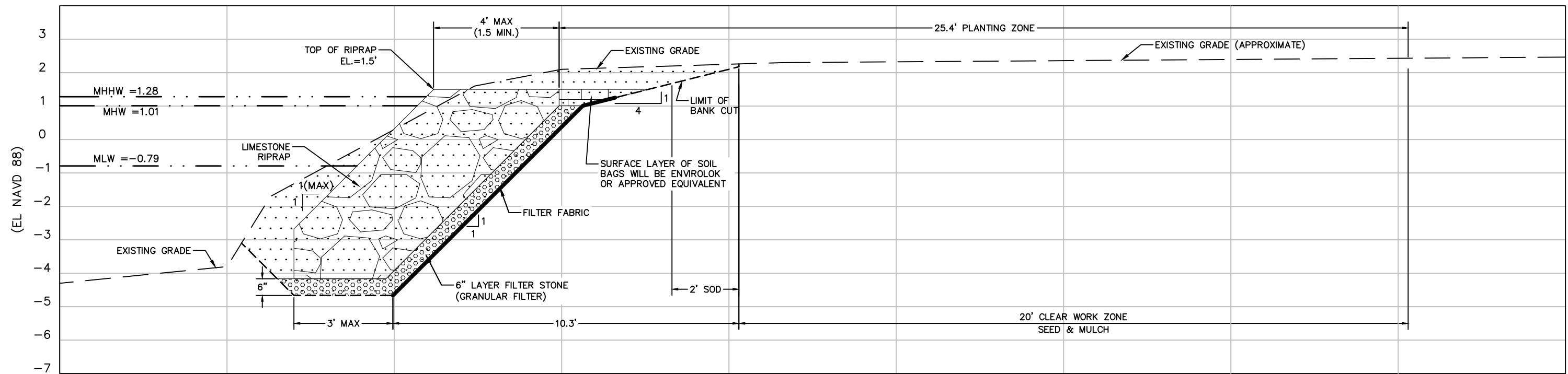
SECTION 19-19

SCALE 1"=3'(H)
1"=3'(V)



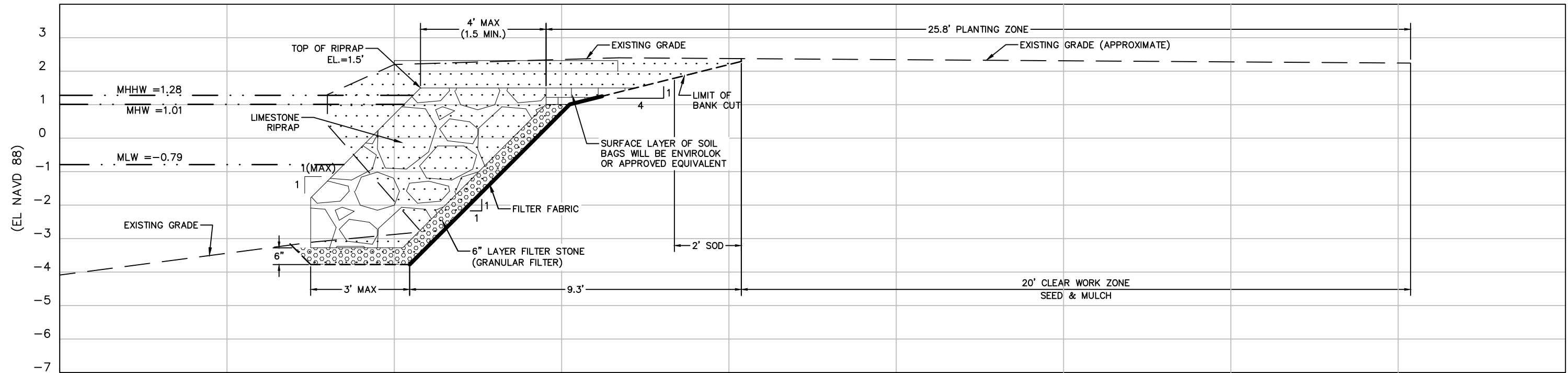
SECTION 20-20

SCALE 1"=3'(H)
1"=3'(V)



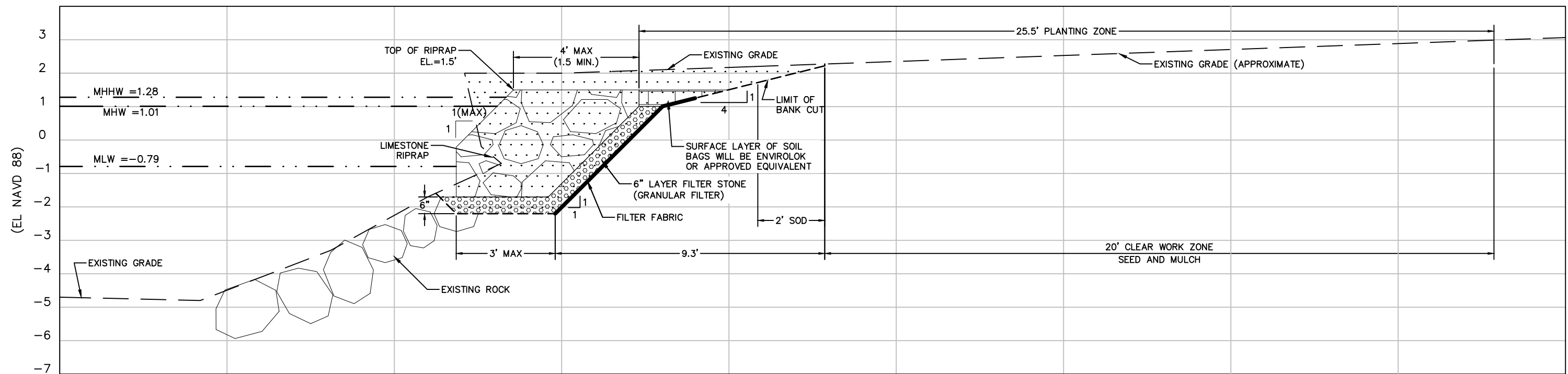
SECTION 21-21

SCALE 1"=3'(H)
1"=3'(V)




SECTION 22-22

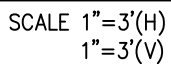
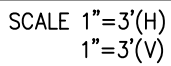
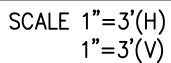
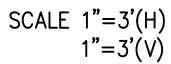
SCALE 1"=3'(H)
1"=3'(V)



SECTION 23-23

SCALE 1"=3'(H)
1"=3'(V)

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B	REV EX GR LINE, ADD SOIL BAGS SEC 19, REV EXC AREA ALL SECS			4/11/22	RQS/89561	RC/124313	CHECKED BY: JB/113637		JULY 2020	PROJECT: THREE SISTERS SPRINGS CANAL SHORELINE STABILIZATION PROJECT		SEC: 28 TWP: 18S RGE: 17E	CROSS REFERENCE FILE NO.: 215510582/177310862	PROJECT NUMBER: 177311300	SHEET NUMBER: 7 OF 14
A	REVISIONS PER SWFWMD COMMENTS			8/12/21	RC/124313	RQS/89561	CONTRACT ADMIN. BY:								
△REV NO.	REVISION			DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:								



				ACTIVITY		INITIALS/EMP. NO.		DATE	
				DESIGNED BY:		RQS/89561		JULY 2020	
				DRAWN BY:		KG/101511		DEC 2020	
B				REV EX GR LINE, REV RR VOID FILL SEC 24-25, REV SEC 26 EXC AREA		4/11/22		RQS/89561 RC/124313	
A				REVISIONS PER SWFWMD COMMENTS		8/12/21		RC/124313 RQS/89561	
Δ REV NO.		REVISION		DATE		DRAWN BY / EMP. NO.		CHECKED BY / EMP. NO.	
				WM APPROVED BY:					

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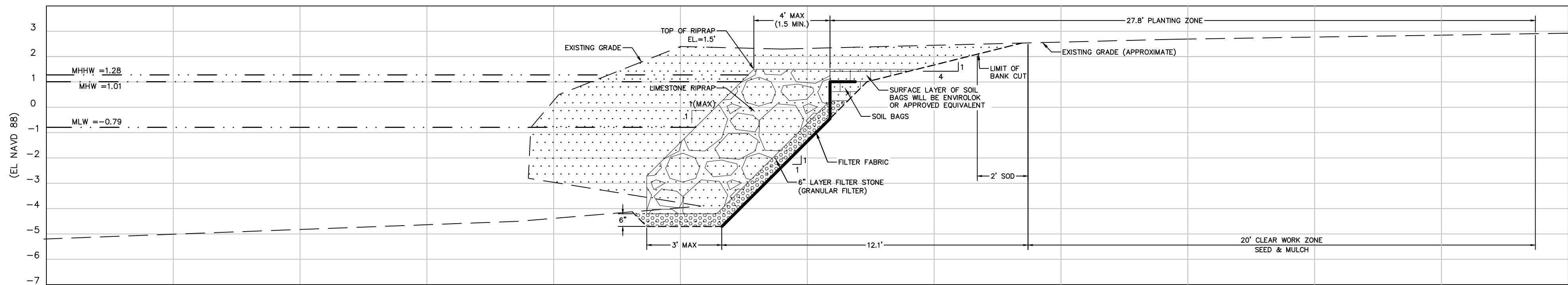
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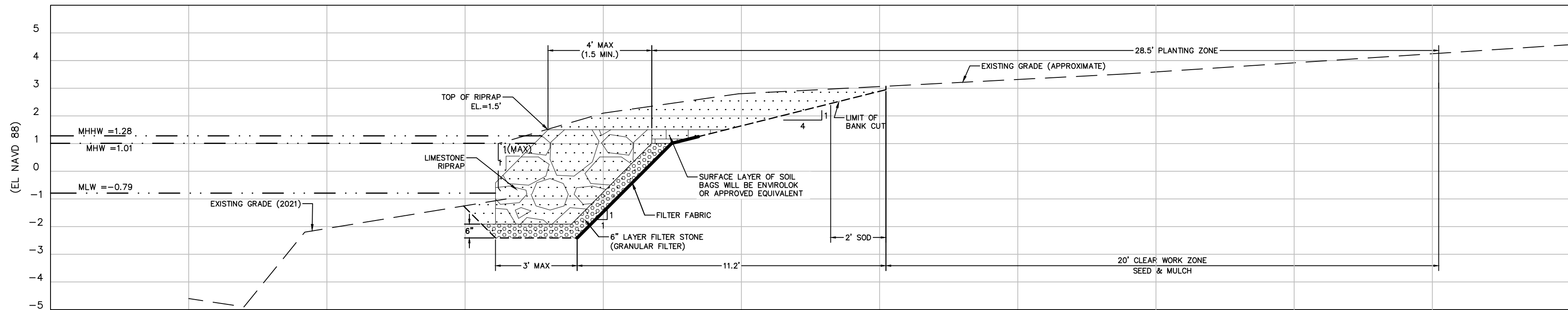
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CLIENT:		SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT	
PROJECT:		THREE SISTERS SPRINGS CANAL SHORELINE STABILIZATION PROJECT	
DATE:	JULY 2020	TITLE:	CROSS SECTIONS
HORIZONTAL SCALE:	AS NOTED	VERTICAL SCALE:	AS NOTED
SEC. TYP.:	RGE:	CROSS REFERENCE FILE NO.:	PROJECT NUMBER:
28	185 17E	215510582/177310862	177311300
SHEET NUMBER:		8 OF 14	



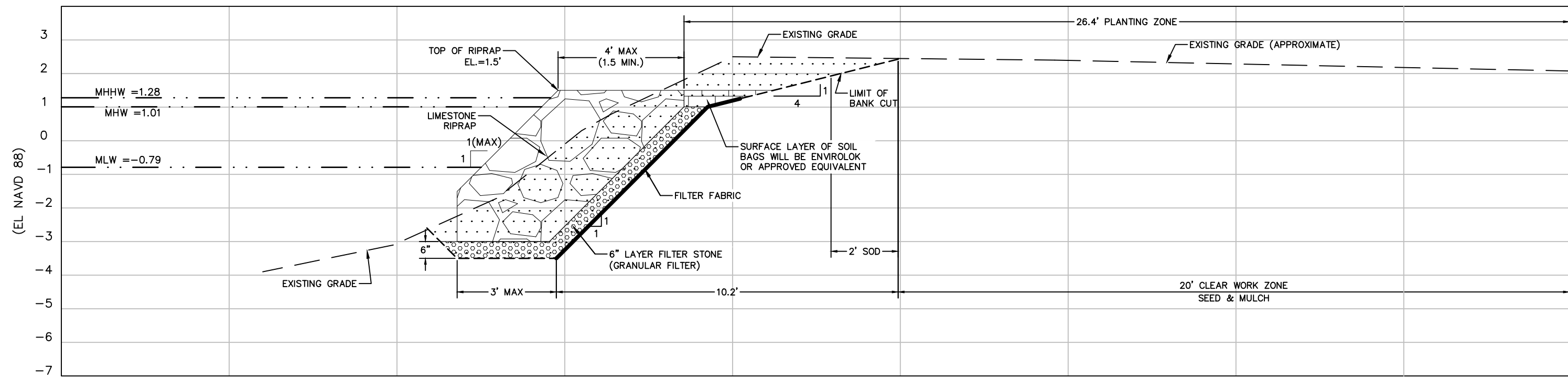
SECTION 27-27

SCALE 1"=3'(H)
1"=3'(V)



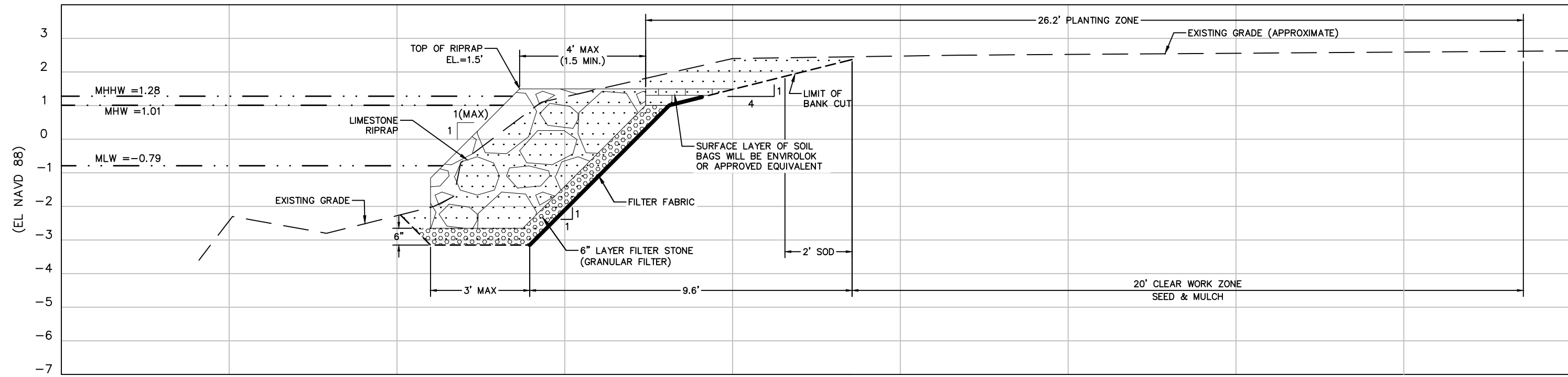
SECTION 28-28

SCALE 1"=3'(H)
1"=3'(V)




SECTION 29-29

SCALE 1"=3'(H)
1"=3'(V)



SECTION 30-30

SCALE 1"=3'(H)
1"=3'(V)

				ACTIVITY		INITIALS/EMP. NO.	DATE	<div><div>Stantec 6900 Professional Parkway East, Sarasota, FL 34240-8414 Phone 941-907-6900 • Fax 941-907-6910 Certificate of Authorization #27013 • www.stantec.com</div><div>The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.</div></div>	CLIENT: SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT		DATE: JULY 2020	TITLE: CROSS SECTIONS		INDEX NUMBER:				
				DESIGNED BY: RQS/89561		JULY 2020												
				DRAWN BY: KG/101511		DEC 2020												
				CHECKED BY: JB/113637		JULY 2020												
B				REV EX GR LINE, REV EXC AREA ALL SECS, REV RR,FS,FF SEC 27		4/11/22	RQS/89561	RC/124313	CONTRACT ADMIN. BY:			PROJECT: THREE SISTERS SPRINGS CANAL SHORELINE STABILIZATION PROJECT	SEC: 28	TWP: 18S	RGE: 17E	CROSS REFERENCE FILE NO.: 215510582/177310862	PROJECT NUMBER: 177311300	SHEET NUMBER: 9 OF 14
A				REVISIONS PER SWFWMD COMMENTS		8/12/21	RC/124313	RQS/89561	WM APPROVED BY:									
△REV NO.		REVISION		DATE		DRAWN BY / EMP. NO.		CHECKED BY / EMP. NO.										



MANATEE PROTECTION

PART I – GENERAL

1.01 SUMMARY

THE SCOPE OF THIS SECTION IS TO INSTRUCT ALL PERSONNEL ASSOCIATED WITH THE PROJECT OF THE POTENTIAL PRESENCE OF MANATEES AND MANATEE SPEED ZONES, AND THE NEED TO AVOID COLLISIONS WITH AND INJURY TO MANATEES. ALL CONSTRUCTION PERSONNEL ARE RESPONSIBLE FOR OBSERVING WATER–RELATED ACTIVITIES FOR THE PRESENCE OF MANATEE(S).

1.02 RELATED WORK SPECIFIED ELSEWHERE

- A. SECTION 01530 – TEMPORARY BARRIERS AND CONTROLS
- B. SECTION 02435 – TURBIDITY CONTROL AND MONITORING

1.03 REFERENCES

- A. MARINE MAMMAL PROTECTION ACT OF 1972
- B. ENDANGERED SPECIES ACT OF 1973
- C. FLORIDA MANATEE SANCTUARY ACT OF 1978

PART II – PRODUCTS
(NOT USED)

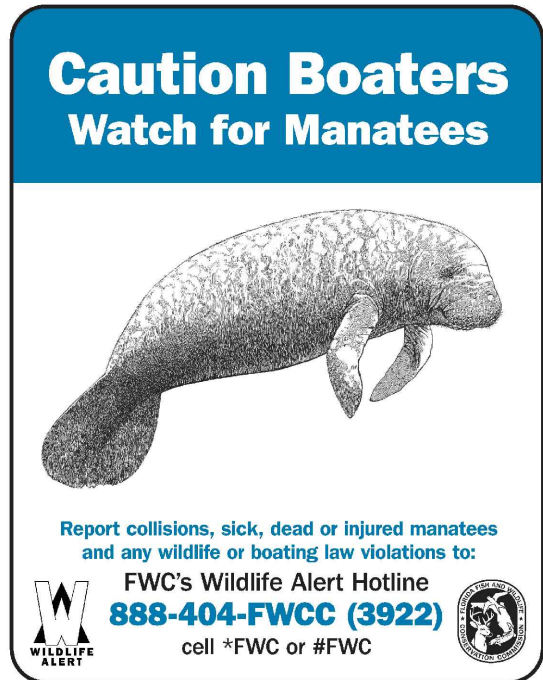
PART III – EXECUTION

1.01 MANATEE PROTECTION

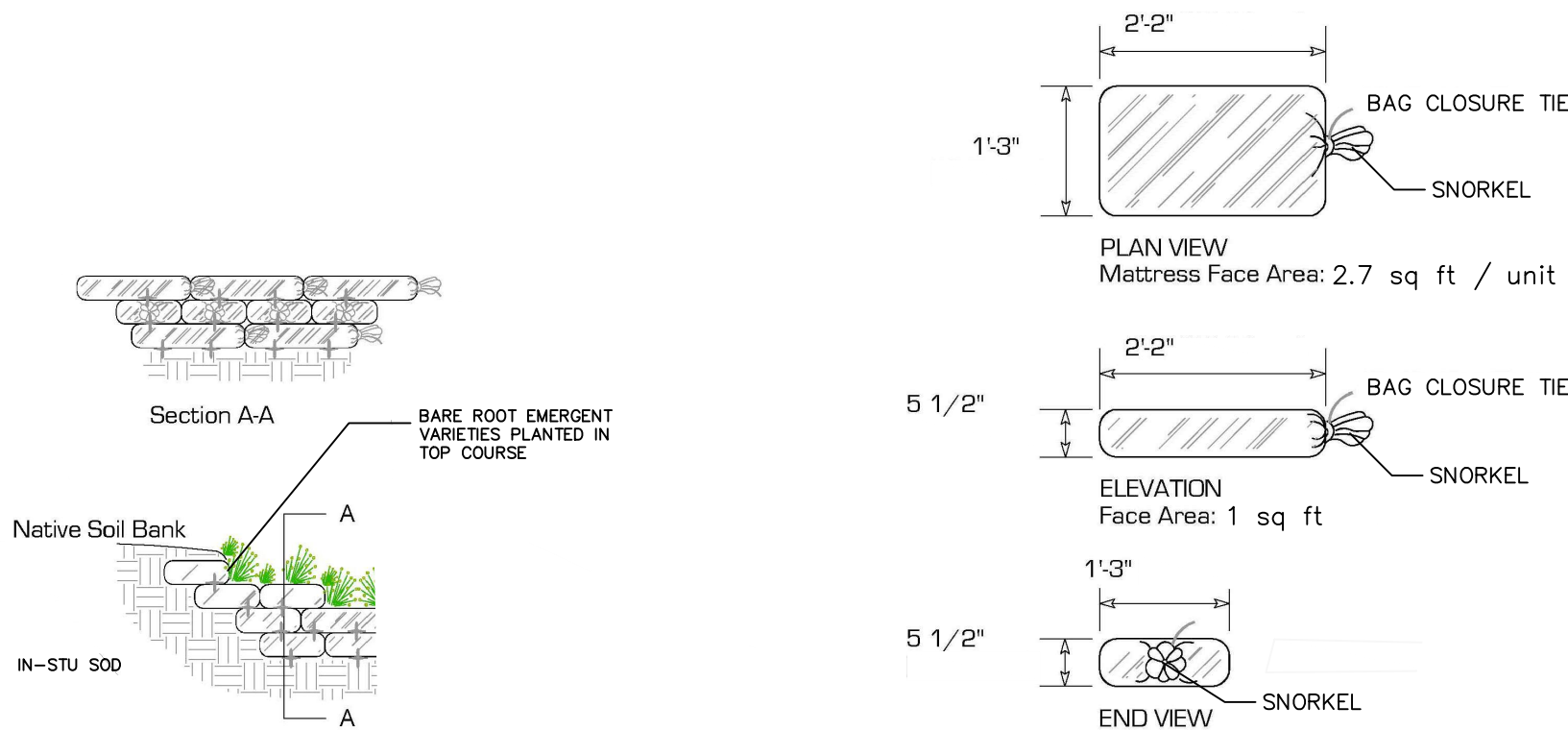
- A. THE CONTRACTOR SHALL ADVISE ALL CONSTRUCTION PERSONNEL THAT THERE ARE CIVIL AND CRIMINAL PENALTIES FOR HARMING, HARASSING, OR KILLING MANATEES, WHICH ARE PROTECTED UNDER THE MARINE MAMMAL PROTECTION ACT OF 1972, THE ENDANGERED SPECIES ACT OF 1973, AND THE FLORIDA MANATEE SANCTUARY ACT OF 1978. THE CONTRACTOR MAY BE HELD RESPONSIBLE FOR ANY MANATEE HARMED, HARASSED, OR KILLED AS A RESULT OF CONSTRUCTION ACTIVITIES.
- B. SILTATION BARRIERS SHALL BE INSTALLED AND SHALL BE MADE OF MATERIAL IN WHICH MANATEES CANNOT BECOME ENTANGLED, SHALL BE PROPERLY SECURED, AND SHALL BE MONITORED REGULARLY TO AVOID MANATEE ENTANGLEMENT OR ENTRAPMENT. BARRIERS SHALL NOT IMPEDE MANATEE MOVEMENT OR BLOCK MANATEE ENTRY TO OR EXIT FROM ESSENTIAL HABITAT.
- C. ALL VESSELS ASSOCIATED WITH THE PROJECT SHALL OPERATE AT "NO WAKE/IDLE" SPEEDS AT ALL TIMES WHILE IN THE IMMEDIATE AREA AND WHILE IN WATER WHERE THE DRAFT OF THE VESSEL PROVIDES LESS THAN FOUR FEET CLEARANCE FROM THE BOTTOM. ALL VESSELS SHALL FOLLOW ROUTES OF DEEP WATER WHENEVER POSSIBLE.
- D. IF A MANATEE IS SIGHTED WITHIN 100 YARDS OF THE PROJECT AREA, ALL APPROPRIATE PRECAUTIONS SHALL BE IMPLEMENTED BY THE CONTRACTOR TO ENSURE PROTECTION OF THE MANATEE. 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.
- E. ANY COLLISION WITH AND/OR INJURY TO A MANATEE SHALL BE REPORTED IMMEDIATELY TO THE DISTRICT’S REPRESENTATIVE AND TO THE "FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC) MANATEE HOTLINE" AT 1–888–404–FWCC (1–888–404–3922). COLLISION AND/OR INJURY SHOULD ALSO BE REPORTED TO THE U.S. FISH AND WILDLIFE SERVICE IN JACKSONVILLE (1–904–731–3336) FOR NORTH FLORIDA OR VERO BEACH (1–772–562–3909) IN SOUTH FLORIDA.
- F. TEMPORARY SIGNS CONCERNING MANATEES SHALL BE POSTED PRIOR TO AND DURING ALL IN–WATER PROJECT ACTIVITIES, INCLUDING CONSTRUCTION/DREDGING ACTIVITIES. AWARENESS SIGNS THAT HAVE ALREADY BEEN APPROVED FOR THIS USE BY THE FWC MUST BE USED. SAMPLES OF MANATEE SIGNAGE ARE INCLUDED AT THE END OF THIS SPECIFICATION. ALL SIGNS SHALL BE REMOVED BY THE CONTRACTOR UPON COMPLETION OF THE PROJECT. ONE (1) SIGN MEASURING AT LEAST THREE (3) FEET BY FOUR (4) FEET WHICH READS "CAUTION BOATERS: WATCH FOR MANATEES" SHALL BE POSTED IN A LOCATION WHERE IT IS PROMINENTLY VISIBLE TO WATER RELATED CONSTRUCTION CREWS. A SECOND SIGN SHALL BE POSTED IF VESSELS ARE ASSOCIATED WITH THE CONSTRUCTION, AND SHALL BE PLACED IN A LOCATION THAT IS PROMINENTLY VISIBLE TO THE VESSEL OPERATOR. THE SECOND SIGN SHALL BE AT LEAST 8½ INCHES BY 11 INCHES AND READ:

"CAUTION: MANATEE HABITAT. IDLE SPEED IS REQUIRED IF OPERATING A VESSEL IN THE CONSTRUCTION AREA. ALL EQUIPMENT MUST BE SHUTDOWN IF A MANATEE COMES WITHIN 50 FEET OF THE OPERATION. A COLLISION WITH AND/OR INJURY TO A MANATEE SHALL BE REPORTED IMMEDIATELY TO THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC) AT 1–888–404–FWCC (1–888–404–3922) AND THE U.S. FISH AND WILDLIFE SERVICE AT (1–904–731–3336) FOR NORTH FLORIDA OR (1–772–562–3909) FOR SOUTH FLORIDA."

SIGN 1 : CAUTION MANATEE AREA



SIGN 2 : IDLE SPEED / NO WAKE



SOIL BAGS
TYPICAL SECTION DETAIL
N.T.S

SOIL BAGS
TYPICAL DETAIL
N.T.S

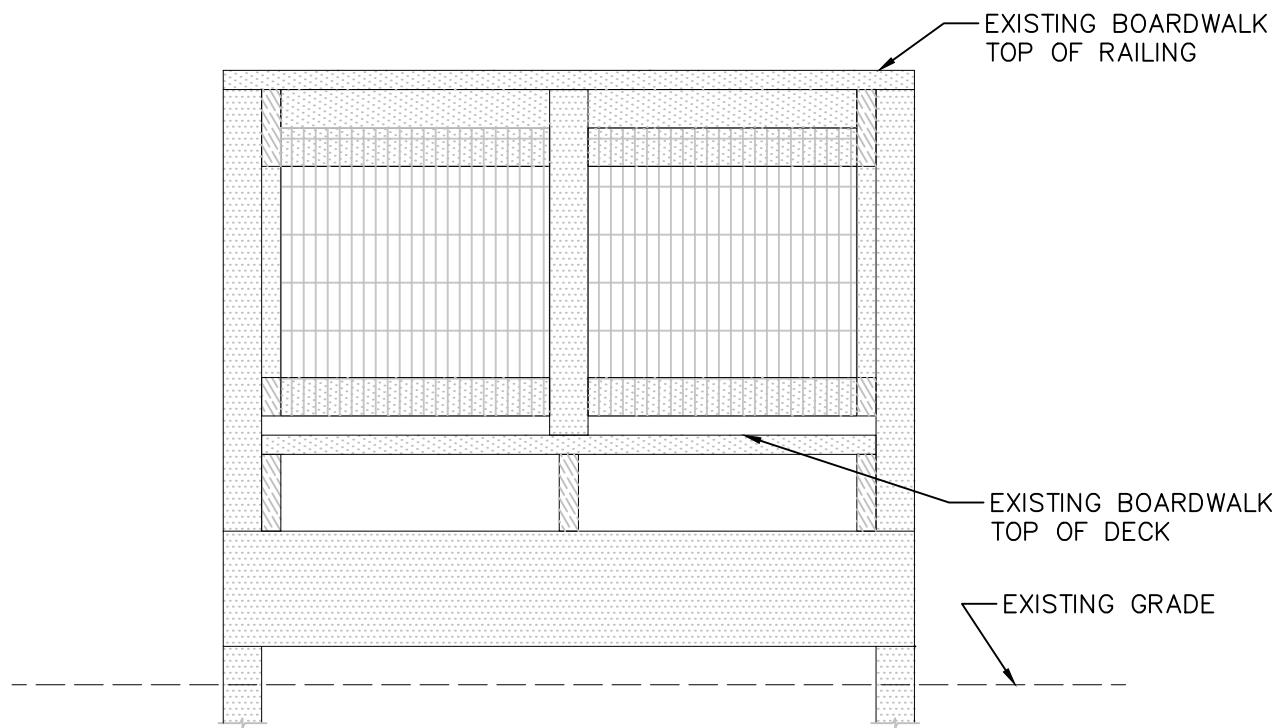
SOIL BAG SYSTEM FILL MATERIALS

A. GRANULAR FILL (TO BE USED IN BAGS PLACED BELOW 0.5' ELEV.)

1. FOR BAG INSTALLATIONS AT APPROXIMATELY 6" BELOW MEAN HIGH WATER ELEVATION OR LOWER, BAGS WILL BE FILLED WITH CLEAN GRANULAR MATERIAL; MAXIMUM PARTICLE SIZE 0.80" TO MINIMUM PARTICLE SIZE 0.08".
2. EXCAVATED MATERIAL MAY BE USED IF IT MEETS REQUIREMENTS IN A.1. ABOVE AND APPROVED BY DISTRICT REPRESENTATIVE
3. BAGS SHALL BE BURLAP BAGS OR APPROVED ALTERNATE.

B. GROWING MEDIUM FILL (TO BE USED IN BAGS PLACED AT OR ABOVE 0.5' ELEV.)

1. FOR BAG INSTALLATIONS ABOVE 6" BELOW MEAN HIGH WATER ELEVATION, BAGS WILL BE FILLED WITH GROWING MEDIUM.
2. GROWING MEDIUM WILL CONSIST OF FREELY DRAINING NATIVE SOILS AND GRANULAR MATERIALS CLEANED OF ALL DEBRIS, ROOTS, BRANCHES, STONES IN EXCESS OF 2" DIAMETER AND OTHER DELETERIOUS MATERIALS.
3. GROWING MEDIUM PROPERTIES SHALL INCLUDE (BY VOLUME):
APPROXIMATE ORGANIC CONTENT 10%–15%
GRANULAR CONTENT: SMALLER THAN 2", LARGER THAN 0.08" 60%–70%
GRANULAR CONTENT: LARGER THAN 0.002", SMALLER THAN 0.08" 10%–15%
CLAY AND SILTS 0% –5%
4. ORGANIC ADDITIVE MATERIALS SHALL BE A LOCALLY AVAILABLE COMMERCIAL COMPOST PRODUCT.
5. MIX ALL ORGANIC MATERIALS EVENLY THROUGH THE MATERIAL.
6. BAGS SHALL BE ENVIROLOK BAGS OR APPROVED ALTERNATE.
7. THE "SNORKEL" OF EACH BAG SHALL BE FOLDED AND PLACED UNDER EACH BAG.
8. BAG CLOSURE TIE SHALL BE BIODEGRADABLE FOR TOP LAYER OF SOIL BAGS.




TYPICAL BOARDWALK BARRICADE END SECTION DETAIL
N.T.S


NOTES

1. SHEET 6 OF 14 OF THE CONSTRUCTION PLANS IDENTIFIES TWO EXISTING SECTIONS OF BOARDWALK THAT ARE TO BE REMOVED TO FACILITATE CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONSTRUCT END CLOSURES AT THE THREE OPEN ENDS OF THE BOARDWALK THAT WERE CREATED BY THE REMOVAL OF THE TWO SECTIONS IDENTIFIED ON SHEET 6 OF 14. RESTORATION OF THESE TWO REMOVED SECTIONS OF THE BOARDWALK SHALL BE PERFORMED BY OTHERS UNDER A SEPARATE CONTRACT AT A LATER DATE.
2. THE CONSTRUCTION OF THE END CLOSURES SHALL BE PERFORMED BY CONTRACTOR UTILIZING MATERIALS THAT ARE SUBSTANTIALLY EQUIVALENT TO THE MATERIALS AND APPEARANCE AS THE EXISTING BOARDWALKS.

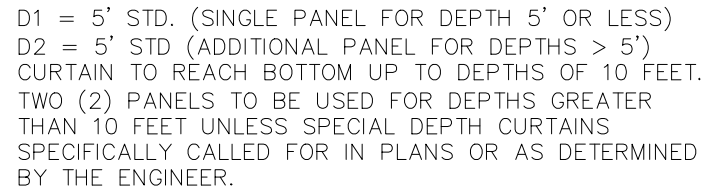
MANATEE PROTECTION PLAN

							ACTIVITY	INITIALS/EMP. NO.	DATE	<div><div><div></div><div>Stantec</div><div>6900 Professional Parkway East, Sarasota, FL 34240-8414 Phone 941-907-6900 • Fax 941-907-6910 Certificate of Authorization #27013 • www.stantec.com</div></div><div>The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.</div></div>	CLIENT:	SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT		DATE:	JULY 2020	TITLE:		TYPICAL DETAILS		
C	REVISE TYPICAL BOARDWALK BARRICADE END SECTION DETAIL NOTE 1	6/3/22	RQS/89561	RC/124313	DESIGNED BY:	RQS/89561	JULY 2020	DRAWN BY:	KG/101511		DEC 2020	HORIZONTAL SCALE:	GRAPHIC							
B	ADD BOARDWALK BARRICADE END SECTION DETAIL	4/11/22	RQS/89561	RC/124313	CHECKED BY:	JB/113637	JULY 2020					VERTICAL SCALE:			INDEX NUMBER:					
A	REVISIONS PER SWFWD COMMENTS	8/12/21	RC/124313	RQS/89561	CONTRACT ADMIN. BY:															
△REV. NO.	REVISION		DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:						SEC: TWP: RGE:	CROSS REFERENCE FILE NO.:	PROJECT NUMBER:	SHEET NUMBER:					
											28 18S 17E	215510582/177310862	177311300	12 OF 14						



				ACTIVITY		INITIALS/EMP. NO.	DATE	<div><div>Stantec 6900 Professional Parkway East, Sarasota, FL 34240-8414 Phone 941-907-6900 • Fax 941-907-6910 Certificate of Authorization #27013 • www.stantec.com</div></div> <div>The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.</div>	CLIENT:		DATE:		TITLE:		INDEX NUMBER:		
				DESIGNED BY:		RQS/89561	JULY 2020		SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT		JULY 2020	BEST MANAGEMENT PRACTICES PLAN					
				DRAWN BY:		KG/101511	DEC 2020		PROJECT:		VERTICAL SCALE:	CROSS REFERENCE FILE NO.:					
				CHECKED BY:		JB/113637	JULY 2020		THREE SISTERS SPRINGS CANAL SHORELINE STABILIZATION PROJECT			215510582/177310862					
A				REVISIONS PER SWFWMD COMMENTS		8/12/21	RC/124313	RQS/89561	CONTRACT ADMIN. BY:			TWP: ROE:		PROJECT NUMBER:		SHEET NUMBER:	
Δ REV. NO.				REVISION		DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:			28 18S 17E		177311300			

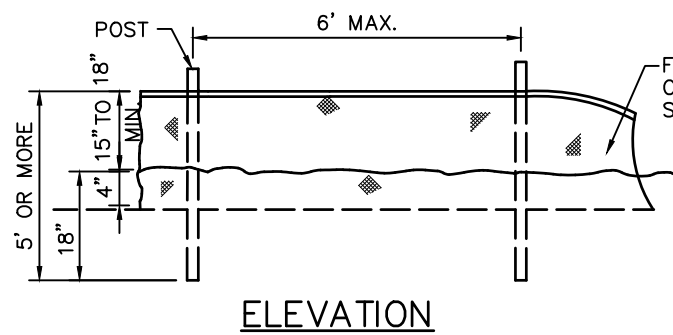
1. THE CONTRACTOR SHALL ABIDE BY ALL APPLICABLE CONDITIONS OF THE REGULATORY AGENCY PERMITS AND HAVE COPIES OF THE PERMITS ON SITE. THE CONTRACTOR SHALL BEAR ALL RESPONSIBILITY AND COSTS FOR OBTAINING AND/OR MODIFYING ALL APPLICABLE NPDES PERMITTING AND FOR COMPLYING WITH ALL DISTRICT, FDEP AND USACE PERMITTING CONDITIONS.
2. THE CONTRACTOR SHALL STAGE CONSTRUCTION IN PHASES WHENEVER POSSIBLE TO MINIMIZE SOIL LOSS AND CONTROL EROSION.
3. THE CONTRACTOR SHALL PROVIDE A STABILIZED CONSTRUCTION ENTRANCE TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEEPED AS REQUIRED TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL TO OR FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TARPULIN.
4. THE CONTRACTOR SHALL CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT AND SHALL USE WATER, STRAW MULCH, OR OTHER SUITABLE MATERIAL AS REQUIRED.
5. AT A MINIMUM, SILT FENCES, OR EQUIVALENT SEDIMENT CONTROLS ARE REQUIRED FOR ALL SIDE SLOPE AND DOWN SLOPE BOUNDARIES OF THE CONSTRUCTION AREA.
6. THE CONTRACTOR SHALL ERECT SILT FENCE, STAKED HAY BALES, STAKED TURBIDITY BARRIERS, AND FLOATING TURBIDITY BARRIERS PRIOR TO COMMENCEMENT OF EXCAVATION/GRADING ACTIVITY. FLOATING TURBIDITY BARRIERS MAY BE DEPLOYED IN SECTIONS AROUND ACTIVE CONSTRUCTION AND BE MOVED AS APPROPRIATE AS CONSTRUCTION AND RESTORATION IS COMPLETED.
7. REQUIRED EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED AND MAINTAINED AS REQUIRED THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT.
8. ALL EROSION PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR IN COMPLIANCE WITH DISTRICT AND NPDES PERMIT REQUIREMENTS THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL DEVICES WEEKLY AND WITHIN 4 HOURS AFTER EACH RAINFALL EVENT OF 0.5 INCHES OR MORE. ALL MAINTENANCE SHALL BE PERFORMED WITHIN 24 HOURS OF INSPECTION.
9. ALL PRACTICABLE AND NECESSARY EFFORTS SHALL BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT MATERIAL TO INLETS, WETLANDS, AND OFFSITE AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RESTORATION EFFORTS THAT MAY BE REQUIRED.
10. EROSION AND SEDIMENT CONTROL DEVICES (SILT FENCE, TURBIDITY BARRIERS, ETC.) ARE DEPICTED IN APPROXIMATE LOCATIONS AND SHALL BE ADJUSTED AS NECESSARY WITH THE APPROVAL OF THE DISTRICT REPRESENTATIVE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL OF ALL EROSION AND SEDIMENT CONTROL DEVICES AT THE COMPLETION OF THE PROJECT.
12. ALL EXCAVATION, AND ACCESS TO AND FROM CONSTRUCTION AREAS SHALL BE WITHIN THE LIMITS OF THE PROJECT AREA.



COMPONENTS OF TYPE I MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPE I SHALL BE AS APPROVED BY THE ENGINEER.

N.T.S.

- NOTES:
- TURBIDITY BARRIERS ARE TO BE USED IN ALL PERMANENT BODIES OF WATER REGARDLESS OF WATER DEPTH.
- NUMBER AND SPACING OF ANCHORS DEPENDENT ON WATER VELOCITIES.
- DEPLOYMENT OF BARRIER AROUND PILE LOCATIONS MAY VARY TO ACCOMMODATE CONSTRUCTION OPERATIONS.
- NAVIGATION MAY REQUIRE SEGMENTING BARRIER DURING CONSTRUCTION OPERATIONS.

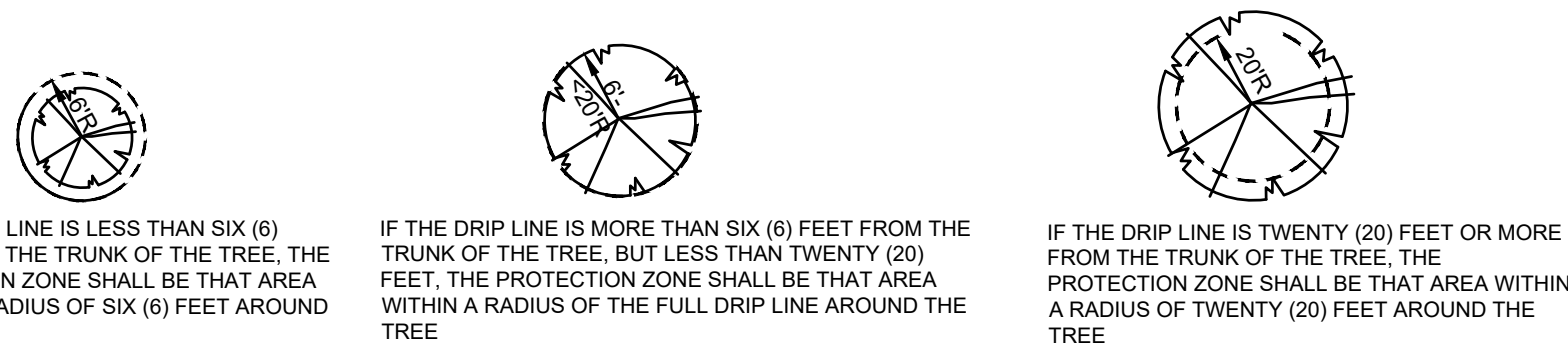



N.T.S.



N.T.S.

- NOTES:
- N.T.S.
1. CONTRACTOR SHALL REMOVE TEMPORARY CONSTRUCTION ACCESS (INCLUDING CROSSING CULVERT) AND RESTORE GRADES (INCLUDING ROADSIDE SWALE) TO PRE-CONSTRUCTION ELEVATIONS; SOD ALL BARE EARTH SURFACES; REPAIR ANY DAMAGE TO THE ASPHALT ENTRANCE DRIVE.
 2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.



				ACTIVITY		INITIALS/EMP. NO.		DATE		<div><div>Stantec 6900 Professional Parkway East, Sarasota, FL 34240-8414 Phone 941-907-6900 • Fax 941-907-6910 Certificate of Authorization #27013 • www.stantec.com</div></div> <div>The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.</div>	CLIENT:		SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT		DATE: JULY 2020		TITLE: BEST MANAGEMENT PRACTICES DETAILS		INDEX NUMBER:		
				DESIGNED BY:		RQS/89561		JULY 2020			HORIZONTAL SCALE: GRAPHIC										
				DRAWN BY:		KG/101511		DEC 2020			VERTICAL SCALE:										
				CHECKED BY:		JB/113637		JULY 2020													
A REVISIONS PER SWFWMD COMMENTS				8/12/21		RC/124313		RQS/89561		CONTRACT ADMIN. BY:											
Δ REV NO.		REVISION		DATE		DRAWN BY / EMP. NO.		CHECKED BY / EMP. NO.		WM APPROVED BY:				SEC: TWP: RGE:		CROSS REFERENCE FILE NO.:		PROJECT NUMBER:		SHEET NUMBER:	
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