

FINAL SITE PLAN / CONSTRUCTION PLAN FOR ADMINISTRATIVE PERMIT
WASHINGTON PARK PRESERVE PHASE I
SECTION 12, TOWNSHIP 34 SOUTH, RANGE 17 EAST,
MANATEE COUNTY, FLORIDA

CLIENT:

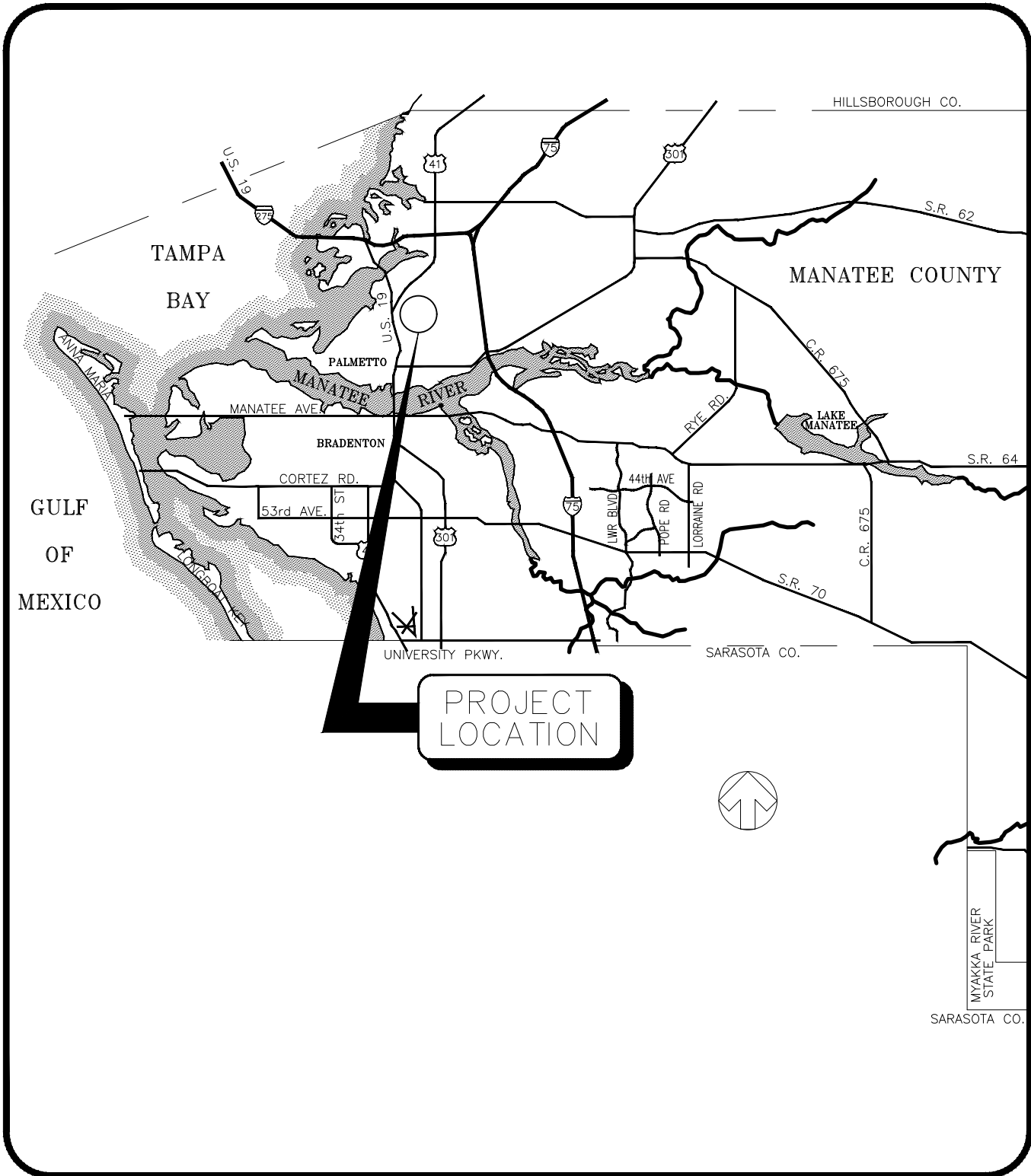
BOARD OF COUNTY COMMISSIONERS,
MANATEE COUNTY, FL

1112 MANATEE AVENUE WEST
BRADENTON, FL 34205
(941) 748-4501

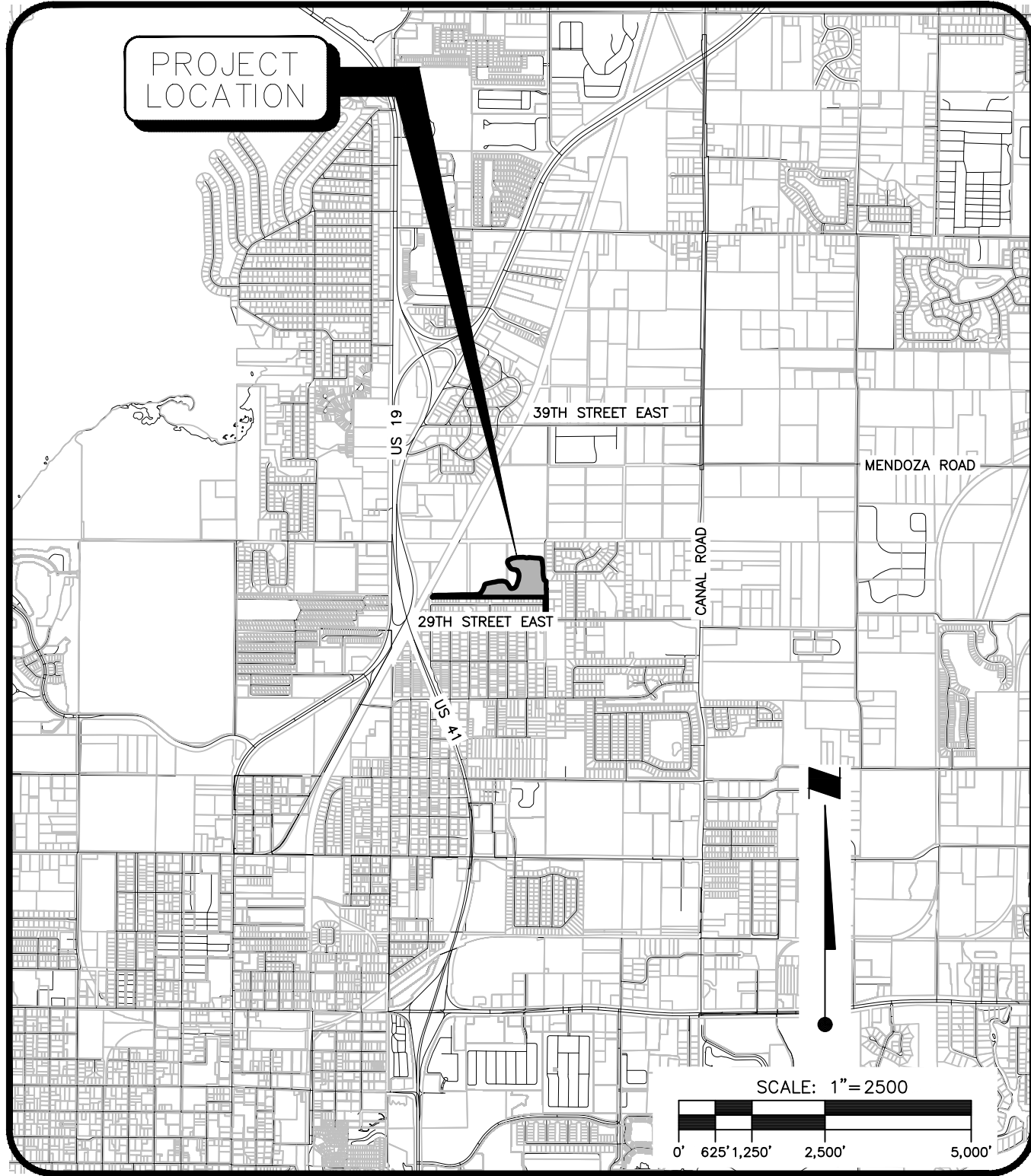
NOTES

GENERAL SITE CONSTRUCTION NOTES:

1. THE CONTRACTORS WORKING ON THIS SITE SHALL TAKE GREAT CARE IN AVOIDING UNNECESSARY IMPACTS TO WETLANDS, VEGETATION, AND WILDLIFE.
2. THE INFORMATION PROVIDED IN THESE PLANS IS TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED PRIOR TO BIDDING TO CONDUCT INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT MAY BE ENCOUNTERED AND UPON WHICH THEIR BIDS WILL BE BASED.
3. THE CONTRACTOR SHALL OBTAIN AND/OR VERIFY EXISTENCE OF ALL REQUIRED PERMITS PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY PERMITS NOT FURNISHED BY THE OWNER.
4. PRIOR TO THE START OF CONSTRUCTION ACTIVITY IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY 'SUNSHINE STATE ONE CALL (1-800-432-4770)', MANATEE COUNTY PUBLIC WORKS DEPARTMENT, FLORIDA POWER & LIGHT, VERIZON AND ANY OTHER UTILITIES (ELECTRIC, PHONE, GAS, CABLE, ETC.). IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT EXISTING UTILITIES FROM DAMAGE.
5. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT STANDARDS AND SPECIFICATIONS.
6. IF HUMAN REMAINS OR ARCHEOLOGICAL ARTIFACTS ARE DISCOVERED DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR MUST STOP WORK IMMEDIATELY AND PROMPTLY NOTIFY THE COUNTY PROJECT MANAGER AND FLORIDA DEPARTMENT OF STATE DIVISION OF HISTORICAL RESOURCES.
7. THE CONTRACTOR SHALL NOT ENTER UPON, OR ALTER THE WETLAND PRESERVE AREAS THAT MAY BE ONSITE OR DIRECTLY ADJACENT TO THE PROJECT AREA. ALL WORK PERFORMED IN THE VICINITY OF OPEN WATER, WETLANDS, AND WETLAND HABITAT RESTORATIONS IS TO BE PERFORMED IN COMPLIANCE WITH THE ENVIRONMENTAL PERMITS FOR THE SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FINE RESULTING FROM VIOLATION OF PERMIT CONDITIONS.
8. ELEVATIONS SHOWN HEREON ARE RELATIVE TO NORTH AMERICAN VERTICAL DATUM 1988 BASED ON SITE TOPOGRAPHIC DATA COLLECTED BY HYATT SURVEY SERVICES, JANUARY 2017. SITE BENCHMARK CP 10 IS A IRON RAD & CAP, NORTHING 1166241.612, EASTING 475759.976, EL=19.74' NAVD'88. CONVERSION FROM NAVD88 TO NGVD'29 IS +0.98'.
9. THE CONTRACTOR SHALL CLEAR AND GRUB TO REMOVE STUMPS, ROOTS, TREES, VEGETATION AND OBSTRUCTIONS TO THE WORK IN ALL AREAS DESIGNATED FOR SITE GRADING. ALL STUMPS, ROOTS, AND OTHER DEBRIS SHALL BE REMOVED FROM WITHIN THE CONSTRUCTION AREAS TO A DEPTH OF AT LEAST 1 FOOT BELOW THE PROPOSED GRADE.
10. ALL CLEARING, GRUBBING AND EXCAVATED MATERIAL WILL BE BURNED OR REMOVED FROM SITE AS DIRECTED BY PROJECT MANAGER.
11. ALL CONSTRUCTION DEBRIS WILL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY.
12. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CALCULATE AND VERIFY ALL CUT AND FILL QUANTITIES OF EARTHWORK FOR THE PROJECT. A BULKING/COMPACTION FACTOR SHOULD BE TAKEN INTO ACCOUNT WHEN FIGURING VOLUMES OF FILL PLACEMENT.
13. IMMEDIATELY BEFORE REQUESTING FINAL INSPECTIONS, THE CONTRACTOR SHALL CHECK ALL LINES AND DRESS TO THE PROPER GRADES/CONTOURS. ALL AREAS ARE TO BE STABILIZED AND MAINTAINED UNTIL ACCEPTANCE. WHEN UPLAND AND WETLAND PLANTING AREAS ARE INDICATED ON DRAWINGS OR SPECIFIED, THE CONTRACTOR SHALL MAKE ALLOWANCES WHEN ROUGH GRADING FOR THE FINISHED GRADES IN THESE AREAS.
14. POST GRADING SOIL CONDITIONS SHALL BE APPROPRIATE FOR PLANTING WITH LIMITED COMPACTION AS DETERMINED BY PROJECT ECOLOGIST OR LANDSCAPE ARCHITECT.
15. ANY DISTURBED AREAS ABOVE MEAN HIGH WATER, NOT HARDSCAPED OR LANDSCAPED, WILL BE SEEDED/MULCHED, HYDROSEEDDED, SODDED OR PLANTED WITH MATERIALS AS SPECIFIED.
16. EXISTING WELL HEADS TO BE PROTECTED & MARKED WITH ORANGE SAFETY FENCE (PLASTIC 'SNOW FENCE') OR PROPERLY PLUGGED AND ABANDONED.
17. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE NPDES STORMWATER PERMITTING FOR CONSTRUCTION ACTIVITIES FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). THE CONTRACTOR SHALL BEAR ALL RESPONSIBILITY AND COSTS FOR THE APPLICABLE PERMITTING APPLICATION AND SUPPORTING DOCUMENTATION.
18. IF IT IS NECESSARY FOR GROUNDWATER DEWATERING TO DISCHARGE OFFSITE, THEN THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITTING FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). THE CONTRACTOR SHALL BEAR ALL RESPONSIBILITY AND COSTS FOR OBTAINING AND/OR MODIFYING ALL APPLICABLE PERMITTING FOR THE DISCHARGE OF GROUNDWATER DEWATERING AND FOR COMPLYING WITH ALL USACE, SWFWMD, AND FDEP PERMITTING CONDITIONS.
19. UPON COMPLETION OF CONSTRUCTION, GRASSED AREAS ARE TO BE MAINTAINED TO AVOID BARE EARTH CONDITIONS WHICH INCREASE THE POTENTIAL FOR EROSION.
20. CONTOUR LINES OUTSIDE OF PROPERTY BOUNDARY SHOWN OBTAINED FROM 2007 SWFWMD LIDAR (NAVD'88).
21. PROPOSED TRAILS TO BE STAKED PRIOR TO INSTALLATION. TRAIL ALIGNMENT WILL BE FIELD REVIEWED BY COUNTY STAFF OR PROJECT ECOLOGIST. TRAIL ALIGNMENT MAY BE REVISED AND FIELD STAKED BY OR UNDER THE SUPERVISION OF COUNTY STAFF OR PROJECT ECOLOGIST WHERE IMPACTS TO ECOLOGICAL RESOURCES (E.G., TREES, ROOTS, OR DESIRABLE VEGETATION) MAY BE AVOIDED.
22. CERTAIN TREES ARE DESIGNATED BY THE OWNER TO BE SAVED AND PROTECTED BY THE CONTRACTOR. THESE INCLUDE THE EXISTING OAK TREES ALONG THE SOUTH PROJECT BOUNDARY. IT IS ASSUMED THESE TREES ARE HEALTHY AND ARE EXPECTED TO BE PART OF THE LANDSCAPE DEVELOPMENT. THEREFORE, IF ANY TREE(S) ARE DAMAGED BY CONSTRUCTION OPERATIONS OR BY OTHER MEANS (EXCLUDING LIGHTNING, WINDSTORM AND OTHER ACTS OF GOD) AND PERISHES WITHIN THE CONSTRUCTION PERIOD, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE AND DISPOSE OF THOSE TREES. MANATEE COUNTY NRD APPROVAL IS REQUIRED PRIOR TO REMOVAL OF ANY TREES DESIGNATED TO REMAIN. NO ADDITIONAL COMPENSATION SHALL BE MADE BY THE OWNER FOR THE LABOR, MATERIAL, OR MACHINERY REQUIRED TO REMOVE SAID TREE(S).
23. WHERE EXCAVATIONS ARE IN CLOSE PROXIMITY OF TREES, THE CONTRACTOR SHALL USE EXTREME CARE TO NOT DAMAGE 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 SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ALL OF HIS EMPLOYEES AND SUBCONTRACTORS OF THIS REQUIREMENT AND TO ENFORCE SAME.
24. PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, PRESERVE AREAS WITHIN AND ADJOINING THE AREA OF CONSTRUCTION ACTIVITY SHALL BE PROTECTED BY ERECTION OF TREE PROTECTION BARRICADES AND/OR SILT BARRIERS. TREE PROTECTION BARRICADES SHALL MEET THE STANDARDS OF MANATEE COUNTY LAND DEVELOPMENT CODE. SILT BARRIERS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE BEST MANAGEMENT PRACTICES DETAIL DRAWING. THE ENGINEER SHALL DETERMINE THE EXTENT AND TYPE OF PROTECTIVE MEASURES TO BE CONSTRUCTED FOR THE PROTECTION OF PRESERVE AREAS SUBJECT TO THE APPROVAL OF MANATEE COUNTY PNRD. THE CONTRACTOR SHALL NOTIFY THE ENGINEER & MANATEE COUNTY PNRD WHEN PRESERVE AREA BARRICADES AND BARRIERS ARE IN PLACE. THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ANY REQUIRED TREE REMOVAL PERMIT FROM MANATEE COUNTY.



LOCATION MAP



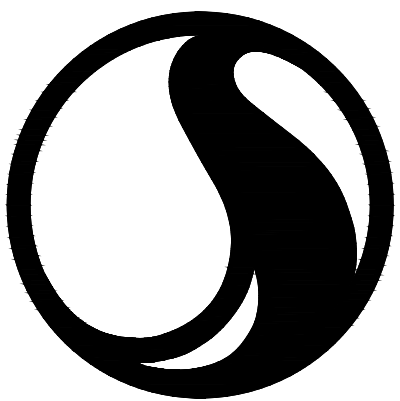
SITE MAP

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△	09/05/18	REVISIONS ON SHEETS 1-27	RB/115155
NO.	DATE	DESCRIPTION	BY

STATUS : REVISIONS

ENGINEERING TECH -	PROJECT ECOLOGIST -	PROJECT MANAGER R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374
DATE _____	CHECKED BY _____	
RESERVED FOR STATUS AND DATE STAMPS		
PROJECT NUMBER 177310895		
DATE JULY 2019	INDEX NUMBER D-177310895-01C-001	



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2		REVISE TEXT FOR PLAYGROUND AND PLAY (GRASS) FIELD	7/10/19	KG/101511	RQS/89561		DESIGNED BY:		
1		REVISE 8TH AVE. EAST STREET NAME, REVISE FENCE SCALE	8/27/18	KG/101511	RQS/89561		DRAWN BY:		
							CHECKED BY:		
							CONTRACT ADMIN. BY:		

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CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS	DATE:	JULY 2019	TITLE:	AERIAL LOCATION MAP	R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 INDEX NUMBER:
PROJECT:	WASHINGTON PARK PRESERVE PHASE I	HORIZONTAL SCALE:		VERTICAL SCALE:		
SEC:	TWP:	RGE:	CROSS REFERENCE FILE NO.:	PROJECT NUMBER:	177310895	SHEET NUMBER:
12	34S	17E				2 OF 28

GENERAL NOTES:

- TOTAL PROPERTY BOUNDARY AREA (PARCEL 2519600007): 39.4± AC
- PROJECT AREA WITHIN PROPERTY = 11.50± AC
PROJECT AREA IN COUNTY R-O-W = 0.20 AC
TOTAL PROJECT AREA = 11.70± AC
- BOUNDARY DATA SHOWN IS FOR INFORMATIONAL PURPOSES ONLY AND DOES NOT CONSTITUTE A BOUNDARY SURVEY.
- THE PROJECT WILL CONSIST OF A PUBLIC PASSIVE RECREATIONAL PRESERVE.
- CURRENT ZONING IS RESIDENTIAL SINGLE FAMILY (RSF-4.5). THE SITE IS LOCATED WITHIN THE LIMITS OF THE MANATEE COUNTY WASHINGTON PARK PRESERVE. THE EXISTING LAND USE IS VACANT/COUNTY USE.
- THE PROJECT IS RECREATION, LOW INTENSITY USE.
- PROJECT IS LOCATED WITHIN FLOOD ZONE X AS PER FEMA FIRM COMMUNITY PANEL 12081C0166E (EFFECTIVE 3/17/2014).
- SANITARY SEWER AND POTABLE WATER SERVICE WILL BE PROVIDED BY CONNECTION TO EXISTING FACILITIES MAINTAINED BY MANATEE COUNTY. ALL SANITARY SEWER AND POTABLE WATER CONSTRUCTION SHALL MEET MANATEE COUNTY PUBLIC WORKS STANDARDS. RECLAIMED WATER IS NOT CURRENTLY AVAILABLE FOR THIS SITE.
- THE DEVELOPMENT SHALL ADHERE TO SECTION 715 OF THE MANATEE COUNTY LAND DEVELOPMENT CODE (LDC). SEE LANDSCAPE PLANS ENCLOSED.
- ALL REQUIRED SITE IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 337, "INSTALLATION OF REQUIRED IMPROVEMENTS", OF THE MANATEE COUNTY LDC.
- THERE ARE NO KNOWN EXISTING EASEMENTS, BUILDINGS, STREETS, AND/OR HISTORIC SITES LOCATED WITHIN THE PROPERTY.
- THERE ARE NO KNOWN EXISTING COVENANTS OR DEED RESTRICTIONS WHICH WOULD AT THIS TIME AFFECT THE PROPOSED DEVELOPMENT.
- THIS PROJECT HAS BEEN DESIGNED TO PROVIDE REASONABLE ASSURANCE THAT ALL APPLICABLE PERMITS CAN BE OBTAINED.
- THE STORMWATER MANAGEMENT SYSTEM FOR THIS DEVELOPMENT WILL BE MAINTAINED BY MANATEE COUNTY.
- CONSTRUCTION SCHEDULE:
APPROXIMATE START DATE: DECEMBER 2018
APPROXIMATE END DATE: DECEMBER 2019
- ALL COMMON IMPROVEMENTS AND OPEN SPACE WITHIN THE SITE WILL BE MAINTAINED BY MANATEE COUNTY.
- THE STORMWATER MANAGEMENT SYSTEM HAS BEEN DESIGNED IN ACCORDANCE WITH MANATEE COUNTY REQUIREMENTS, AND CHAPTER 62-330 F.A.C. REQUIREMENTS.
- THERE ARE NO EXISTING WETLANDS LOCATED WITHIN OR DIRECTLY ADJACENT TO THE PROJECT AREA. AN ENVIRONMENTAL RESOURCE PERMIT FROM SWFWMD WILL BE OBTAINED AS REQUIRED.

- IN ORDER TO MEET THE PARKING DEMANDS ANTICIPATED BY MANATEE COUNTY, THE FOLLOWING PARKING SPACES ARE PROPOSED:
20 VEHICLE PARKING SPACES (INCLUDES 3 HANDICAP SPACES)
1 BIKE RACK SPACE
- THERE NO KNOWN WELLS LOCATED WITHIN THE PROJECT AREA.
- THERE ARE NO KNOWN PERENNIAL STREAMS LOCATED WITHIN OR DIRECTLY ADJACENT TO THE PROJECT AREA.
- ALL PROPOSED SIGNAGE WILL BE IN ACCORDANCE WITH THE MANATEE COUNTY LAND DEVELOPMENT CODE.
- DRAINAGE AND UTILITY EASEMENTS WILL BE PROVIDED AS REQUIRED BY THE MANATEE COUNTY LAND DEVELOPMENT CODE.
- ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE IN PLACE PRIOR TO CONSTRUCTION ACTIVITIES.
- ALL EXISTING FEATURES ARE LABELED AS EXISTING ON THE SITE PLAN SHEETS. ALL OTHER FEATURES NOT LABELED EXISTING, ARE PROPOSED.
- ALL PROPOSED SETBACKS ARE SHOWN ON THE SITE PLAN.
- ALL DRIVEWAYS AND DRIVE AISLES WILL BE CONSTRUCTED IN ACCORDANCE WITH THE MANATEE COUNTY LDC AND WILL BE MAINTAINED BY MANATEE COUNTY. ALL TRAFFIC CONTROL SIGNAGE AND PAVEMENT MARKINGS, SHALL CONFORM TO FDOT AND MUTCD STANDARDS.
- SOLID WASTE WILL BE COLLECTED BY MANATEE COUNTY PARKS AND NATURAL RESOURCES STAFF AND TRANSPORTED TO THE EXISTING OFFSITE SOLID WASTE COLLECTION FACILITIES.
- NO PARKING LOT LIGHTING IS PROPOSED AT THIS TIME.
- PROPOSED BUILDING SQUARE FOOTAGE (480 S.F. TOTAL):
RESTROOM BUILDING = 480 S.F.
- THE PROPOSED ON-SITE FIRE HYDRANT WILL PROVIDE FIRE FLOW AS REQUIRED BY NORTH RIVER FIRE DISTRICT FIRE MARSHAL.
- ALL POTABLE WATER FACILITIES DOWNSTREAM OF THE METERS, AND ALL WASTEWATER FACILITIES ON PARK PROPERTY SHALL BE PARKS AND NATURAL RESOURCES DEPARTMENT OWNED AND MAINTAINED. ALL POTABLE WATER FACILITIES FROM THE TIE INTO EXISTING UP TO AND INCLUDING THE METER AND ALL WASTEWATER FACILITIES WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE UTILITY DEPARTMENT OWNED AND MAINTAINED.
- PRIOR TO START OF CONSTRUCTION OF ANY WORK WITHIN THE MANATEE COUNTY RIGHT-OF-WAY (ROW) A TEMPORARY TRAFFIC CONTROL PLAN (TTOP) SHALL BE PREPARED AND SUBMITTED TO THE MANATEE COUNTY INFRASTRUCTURE INSPECTIONS DIVISION MANAGER.
- ALL THE SIGNING AND PAVEMENT MARKINGS SHALL BE PROVIDED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), FDOT DESIGN STANDARDS, AND THE MANATEE COUNTY PUBLIC WORKS DEPARTMENT - HIGHWAY, TRAFFIC, AND STORMWATER STANDARDS. TRAFFIC CONTROL DEVICES THAT DO NOT CONFORM TO THE LATEST EDITION OF THE MANATEE COUNTY PUBLIC WORKS DEPARTMENT HIGHWAY, TRAFFIC & STORMWATER STANDARDS WITHIN THE PUBLICLY MAINTAINED RIGHT OF WAY WILL REQUIRE A SIGN AND HARDWARE DIAGRAM AND, IF ACCEPTABLE, AN EXECUTED MAINTENANCE AGREEMENT PRIOR TO APPROVAL OF CONSTRUCTION PLANS.

FINAL SITE PLAN STIPULATIONS:

- AN ENVIRONMENTAL RESOURCE PERMIT (ERP) APPROVED BY SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD) SHALL BE PROVIDED TO THE ENVIRONMENTAL REVIEW SECTION (ERS) FOR REVIEW PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE APPLICANT SHALL BE AWARE THAT THE STATE ENDANGERED GOPHER TORTOISE AND ITS BURROWS ARE PROTECTED. IF GOPHER TORTOISES OR THEIR BURROWS ARE FOUND ON THE SITE AS VEGETATION CLEARING OCCURS, THE APPLICANT SHALL PROVIDE COPIES OF THE PROPER FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWCC) PERMITS, AND MAPS SHOWING LOCATIONS OF ALL BURROWS AND ANY ENCOUNTERS TO ENVIRONMENTAL REVIEW SECTION STAFF.
- THE ENVIRONMENTAL NARRATIVE (STANTEC, JULY 5, 2018) STATES THAT ALL NUISANCE AND EXOTIC SPECIES WILL BE REMOVED IN ALL AREAS TO BE CLEARED FOR IMPROVEMENTS DURING CONSTRUCTION. ALL BRAZILIAN PEPPER WILL BE REMOVED FROM THE UPLAND AREAS. OTHER EXOTIC AND NON-NATIVE SPECIES WILL BE REMOVED AND REPLACED WITH NATIVE SPECIES ON A PHASED BASIS.
- THE ENVIRONMENTAL NARRATIVE (STANTEC, JULY 5, 2018) STATES ALL NATIVE TREES ON SITE ARE OUTSIDE THE AREA OF CONSTRUCTION IMPACT OR WILL BE PRESERVED BY FIELD LOCATING ALL TRAILS TO AVOID NATIVE TREES.

- A TOTAL OF THREE SEPARATE INSPECTIONS BY ERS STAFF ARE REQUIRED: TWO (2) SEPARATE INSPECTIONS BY ERS STAFF ARE REQUIRED PRIOR TO AUTHORIZATION OF CONSTRUCTION AND/OR LAND CLEARING ACTIVITIES AND ONE (1) FINAL SITE INSPECTION FOR REMOVAL OF EROSION AND SEDIMENT CONTROL (ESC) DEVICES:
 - YOU ARE AUTHORIZED TO STAKE EROSION AND SEDIMENT CONTROL (ESC) DEVICE LOCATIONS, AFTER STAKING ESC MEASURES, ERS STAFF MUST BE CONTACTED TO INSPECT THE STAKED LOCATIONS.
 - AFTER THE INSTALLATION OF ESC DEVICES HAS BEEN COMPLETED, A SECOND INSPECTION IS REQUIRED TO ENSURE ADEQUACY.

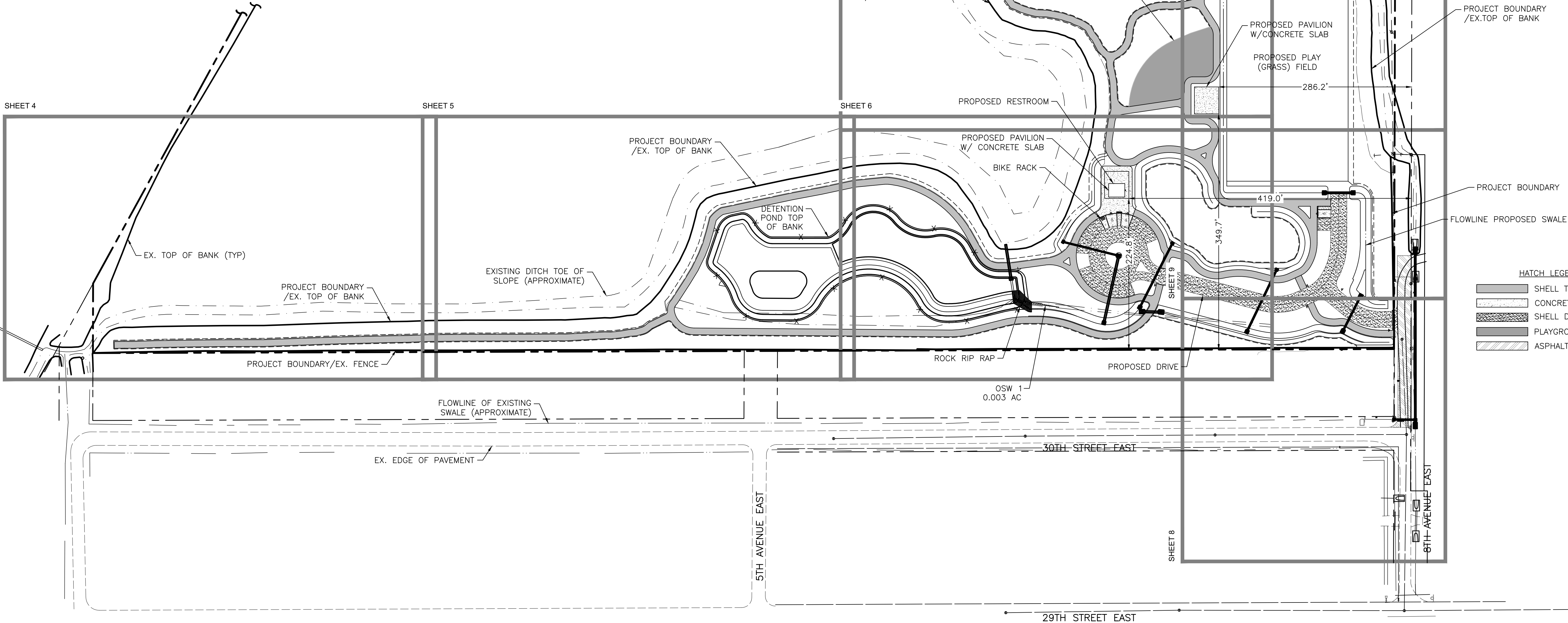
PER SECTION 355.3 MDC THE APPLICANT SHALL SCHEDULE AN ON-SITE MEETING WITH STAFF FROM THE BUILDING AND DEVELOPMENT SERVICES DEPARTMENT (ERS) AND THE PUBLIC WORKS DEPARTMENT, AS WELL AS THE ENGINEER OF RECORD AND THE CONTRACTOR. THE FINAL APPROVAL OF THE ESCP AND AUTHORIZATION OF CONSTRUCTION WILL BE GRANTED ONLY AFTER AN ON-SITE MEETING HAS BEEN CONDUCTED. THE SECOND INSPECTION CAN BE INCORPORATED IN THE ON-SITE MEETING REQUIRED BY MDC SECTION 355.3.

- AFTER CONSTRUCTION IS COMPLETE, A THIRD INSPECTION IS REQUIRED TO INSPECT THAT THE AREA HAS BEEN STABILIZED AND ALL ESC DEVICES HAVE BEEN REMOVED FROM THE PROJECT SITE.



NOTES:

- SEE AERIAL LOCATION MAP (SHEET 2) FOR LEGEND.
- SEE BEST MANAGEMENT PRACTICES PLAN (SHEET 27) FOR SILT FENCE LOCATIONS.



HATCH LEGEND

- SHELL TRAIL
- CONCRETE
- SHELL DRIVE/PARKING STALL
- PLAYGROUND AREA
- ASPHALT

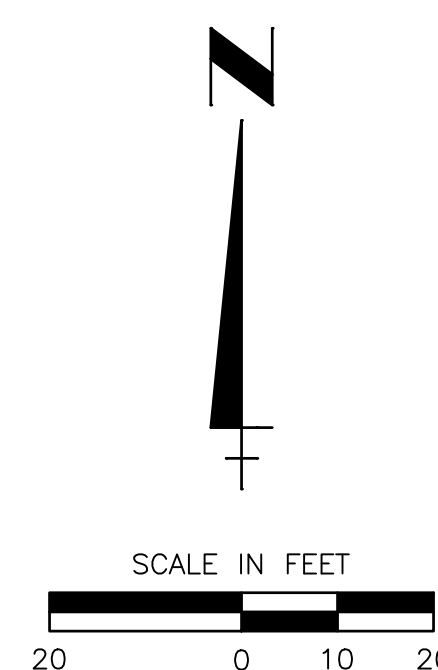
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3	REVISE TEXT FOR PLAYGROUND AND PLAY (GRASS) FIELD	7/10/19	KG/101511	RQS/89561	
2	ADD ASPHALT HATCHING	10/18/18	KG/101511	RQS/89561	
1	ADD NOTE 34, ADD FINAL SITE PLAN STIPULATIONS	8/27/18	KG/101511	RQS/89561	

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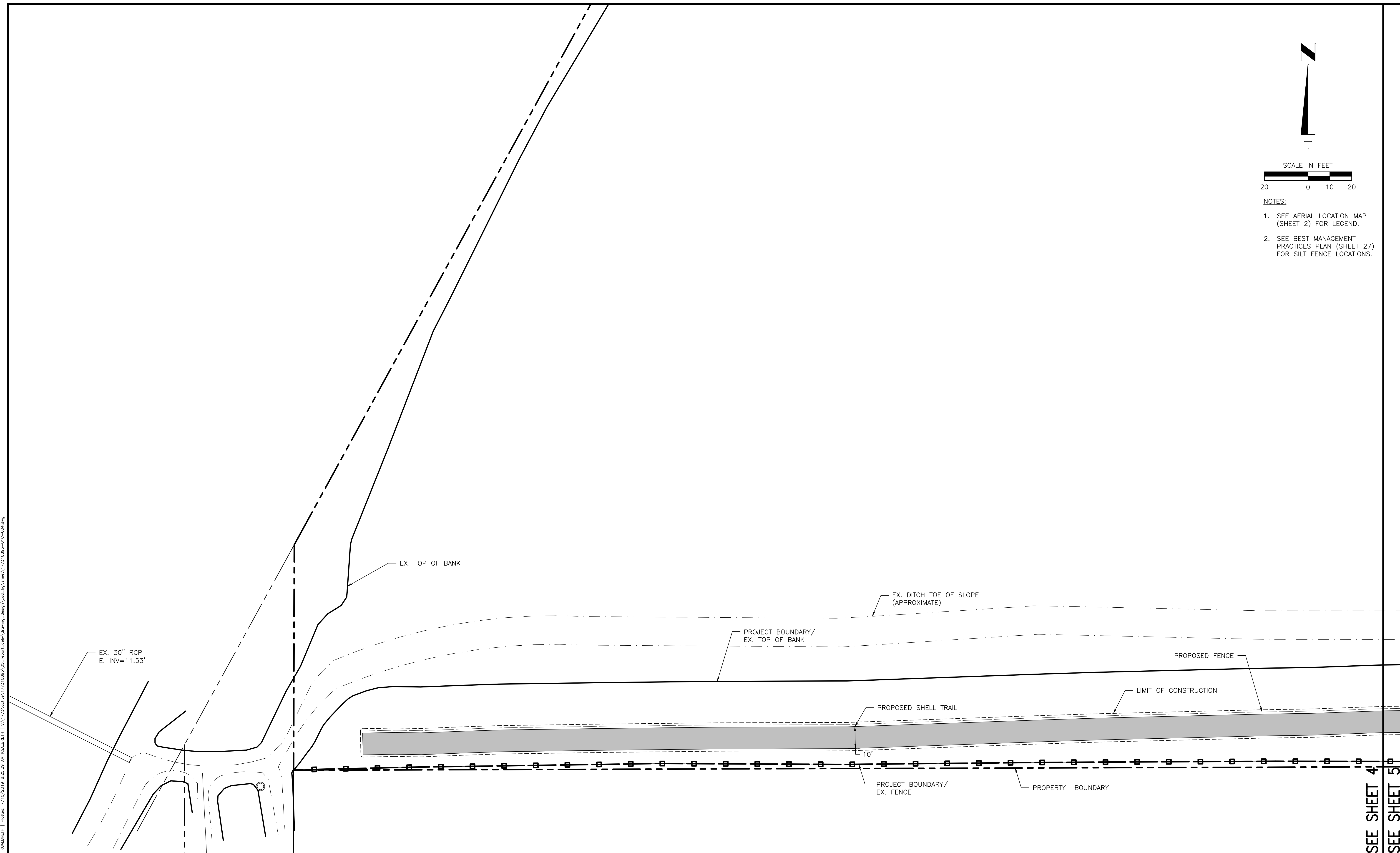
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PROJECT:	WASHINGTON PARK PRESERVE PHASE I	HORIZONTAL SCALE:			
		VERTICAL SCALE:			
SEC:	TWP:	RGE:	CROSS REFERENCE FILE NO.:	PROJECT NUMBER:	177310895
12	34S	17E			
				SHEET NUMBER:	3 OF 28



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1. SEE AERIAL LOCATION MAP (SHEET 2) FOR LEGEND.
2. SEE BEST MANAGEMENT PRACTICES PLAN (SHEET 27) FOR SILT FENCE LOCATIONS.



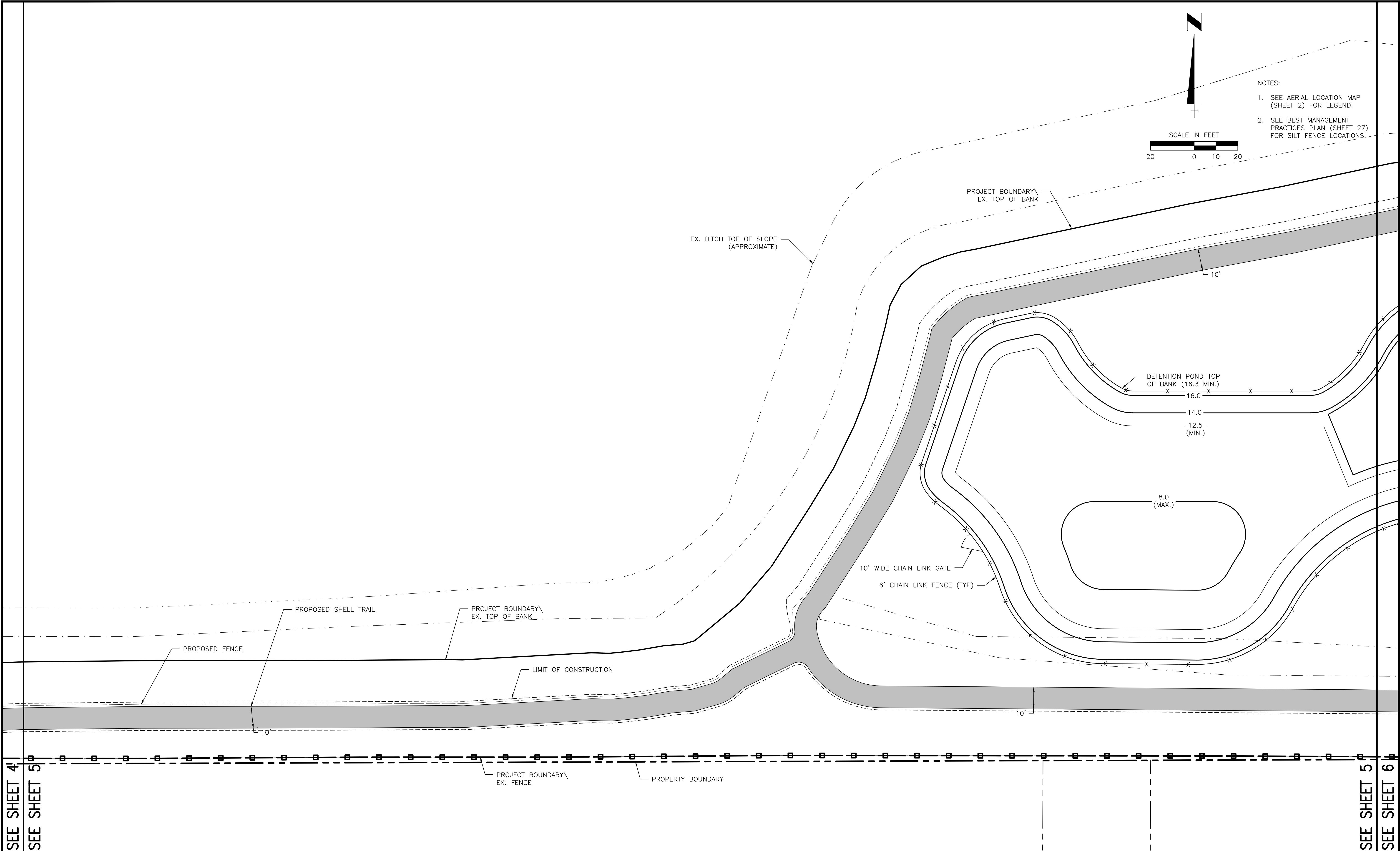
SEE SHEET 4

SEE SHEET 5

				ACTIVITY		INITIALS/EMP. NO.		DATE	
				DESIGNED BY:					
				DRAWN BY:					
				CHECKED BY:					
1				REVISE TRAIL & FENCE LOCATION		9/05/18		RB/115155 RQS/89561	
Δ REV NO.		REVISION		DATE		DRAWN BY / EMP. NO.		CHECKED BY / EMP. NO.	
				CONTRACT ADMIN. BY:					
				WM APPROVED BY:					
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DATE:						JULY 2019			
HORIZONTAL SCALE:						SITE PLAN			
PROJECT:						WASHINGTON PARK PRESERVE PHASE I			
VERTICAL SCALE:									
SEC:		TWP:		RGE:		CROSS REFERENCE FILE NO.:		PROJECT NUMBER:	
12		34S		17E				177310895	
SHEET NUMBER:						4 OF 28			

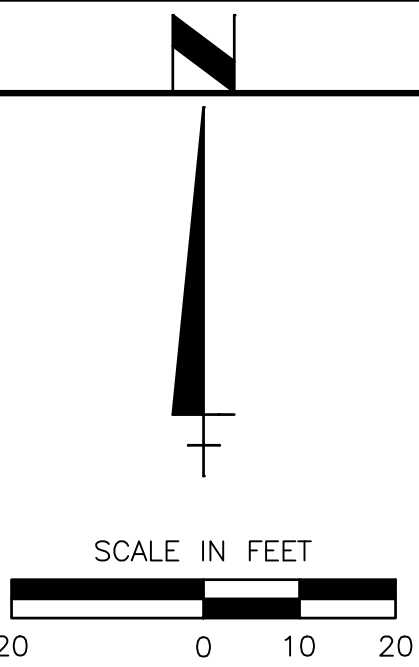
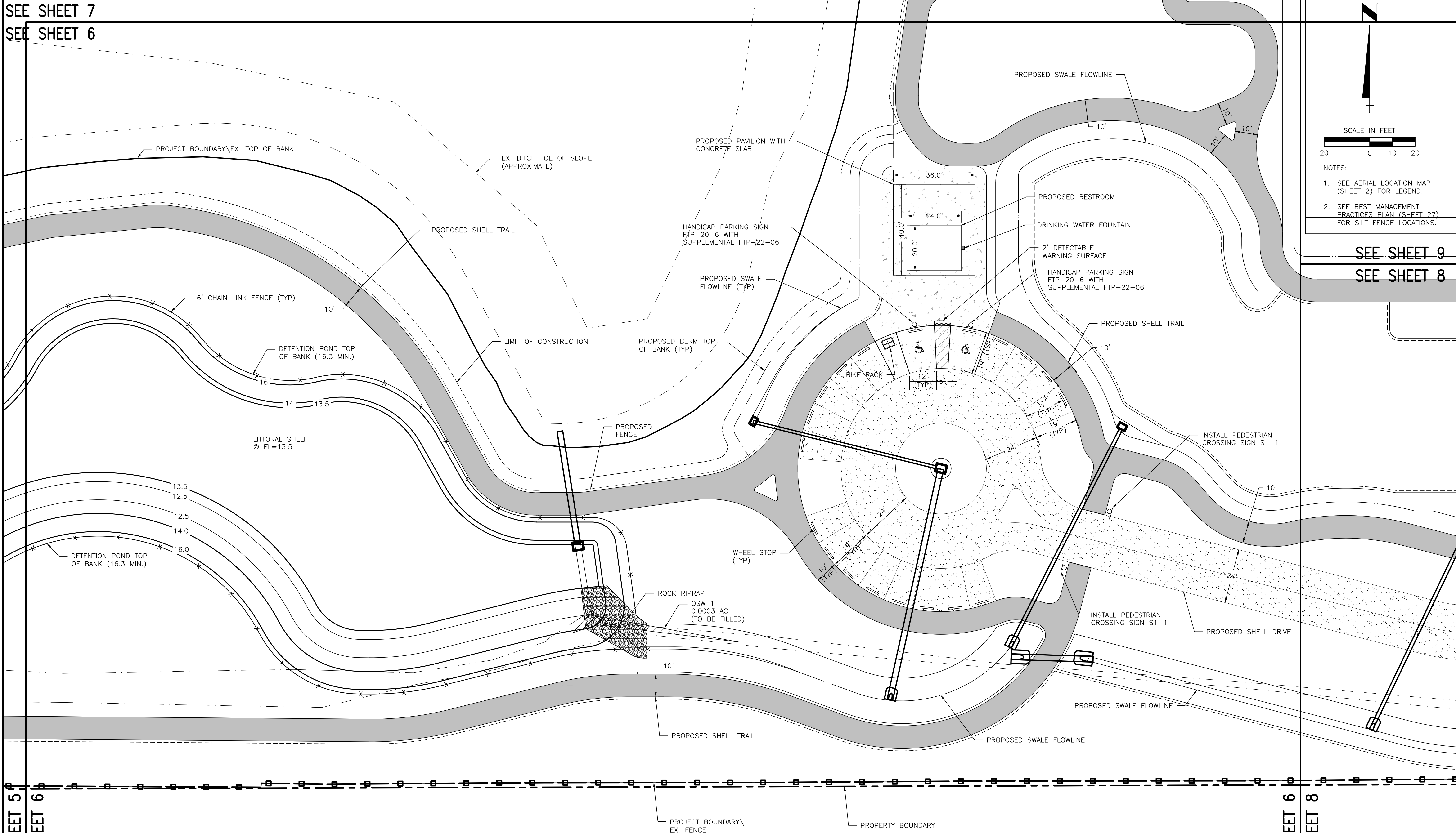
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				ACTIVITY			INITIALS/EMP. NO.		DATE		 Stantec 6900 Professional Parkway East, Sarasota, FL 34240-8414 Phone 941-907-6900 • Fax 941-907-6910 Certificate of Authorization #27013 • www.stantec.com The Contractor shall verify and be responsible for 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.				CLIENT:		MANATEE BOARD OF COUNTY COMMISSIONERS				DATE: JULY 2019	TITLE: SITE PLAN				R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374	
		DESIGNED BY:						HORIZONTAL SCALE:																			
2		ADD 6" CHAIN LINK FENCE AROUND DETENTION POND		7/10/19	KG/101511	RQS/89561	DRAWN BY:								CHECKED BY:				INDEX NUMBER:								
1		REVISE TRAIL & FENCE LOCATION		9/05/18	RB/115155	RQS/89561	CONTRACT ADMIN. BY:				PROJECT:		WASHINGTON PARK PRESERVE PHASE I														
ΔREV. NO.	REVISION			DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:						SEC: TWP: RGE: 12 345 17E		CROSS REFERENCE FILE NO.:		PROJECT NUMBER: 177310895		SHEET NUMBER: 5 OF 28								

SEE SHEET 7
SEE SHEET 6



- NOTES:
1. SEE AERIAL LOCATION MAP (SHEET 2) FOR LEGEND.
 2. SEE BEST MANAGEMENT PRACTICES PLAN (SHEET 27) FOR SILT FENCE LOCATIONS.

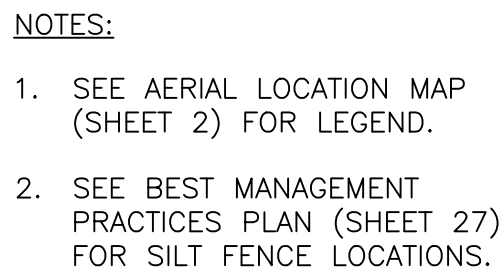
SEE SHEET 9
SEE SHEET 8

SEE SHEET 5
SEE SHEET 6

SEE SHEET 6
SEE SHEET 8

				ACTIVITY		INITIALS/EMP. NO.		DATE		 Stantec 6900 Professional Parkway East, Sarasota, FL 34240-8414 Phone 941-907-6900 • Fax 941-907-6910 Certificate of Authorization #27013 • www.stantec.com 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 design and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is prohibited.	
				DESIGNED BY:							
				DRAWN BY:							
2				ADD 6' CHAIN LINK FENCE AROUND DETENTION POND		7/10/19		KG/101511			RQS/89561
1				REVISE TRAIL & FENCE LOCATIONS, ADD MES'S		9/05/18		RB/115155			RQS/89561
				CHECKED BY:							CONTRACT ADMIN. BY:
				WM APPROVED BY:							
Δ/REV. NO.		REVISION		DATE		DRAWN BY / EMP. NO.		CHECKED BY / EMP. NO.			

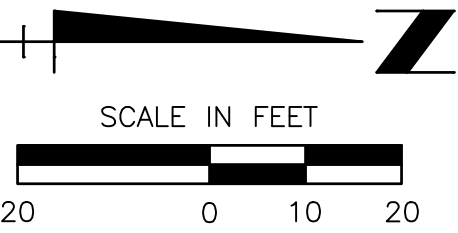
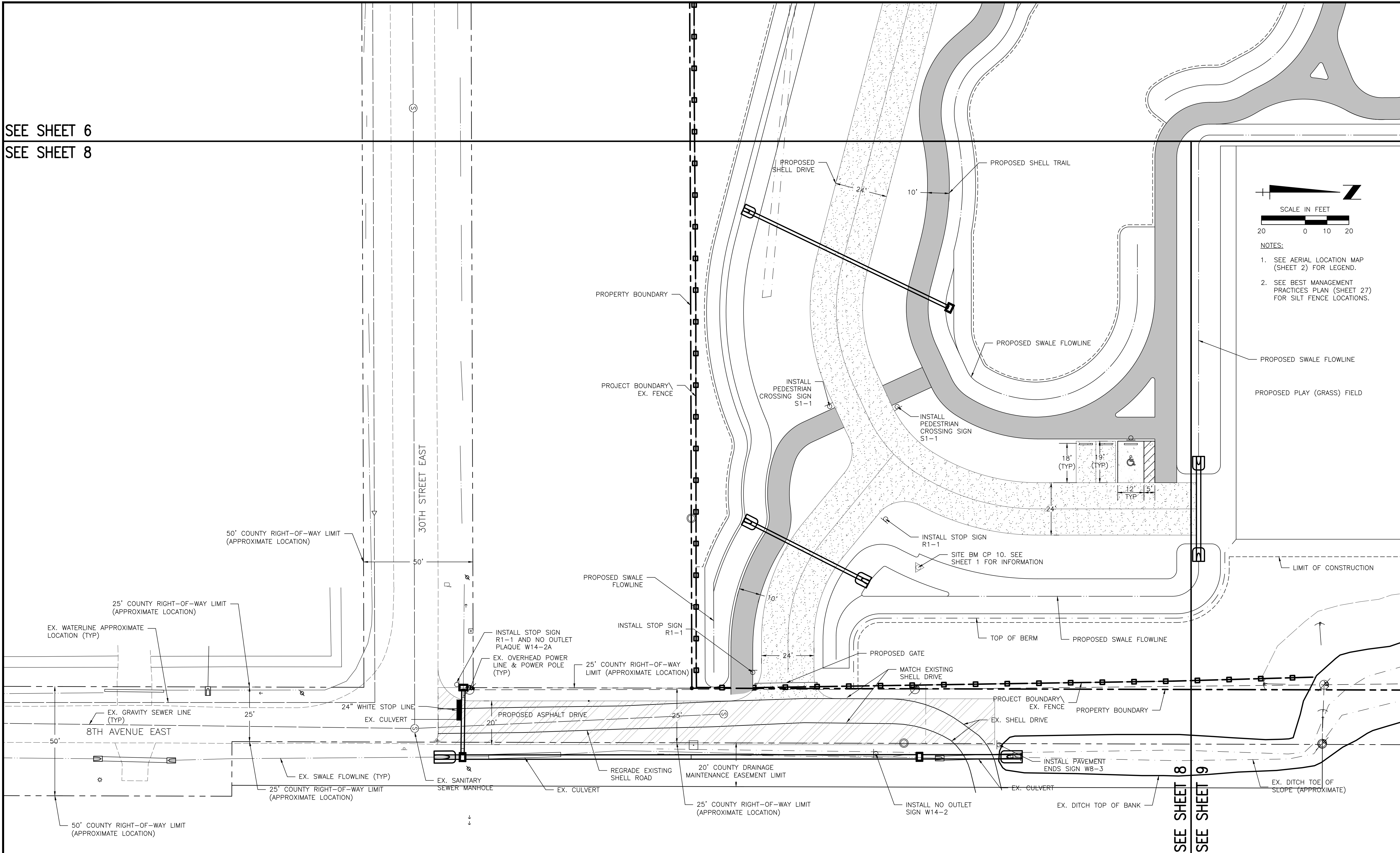
CLIENT:		MANATEE BOARD OF COUNTY COMMISSIONERS		DATE: JULY 2019		TITLE:	
PROJECT:		WASHINGTON PARK PRESERVE PHASE I		HORIZONTAL SCALE:		SITE PLAN	
				VERTICAL SCALE:		R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374	
SEC:		TWP: RGE:		CROSS REFERENCE FILE NO.:		INDEX NUMBER:	
12		34S 17E		PROJECT NUMBER:		SHEET NUMBER:	
				177310895		6 OF 28	



SEE SHEET 9
SEE SHEET 8

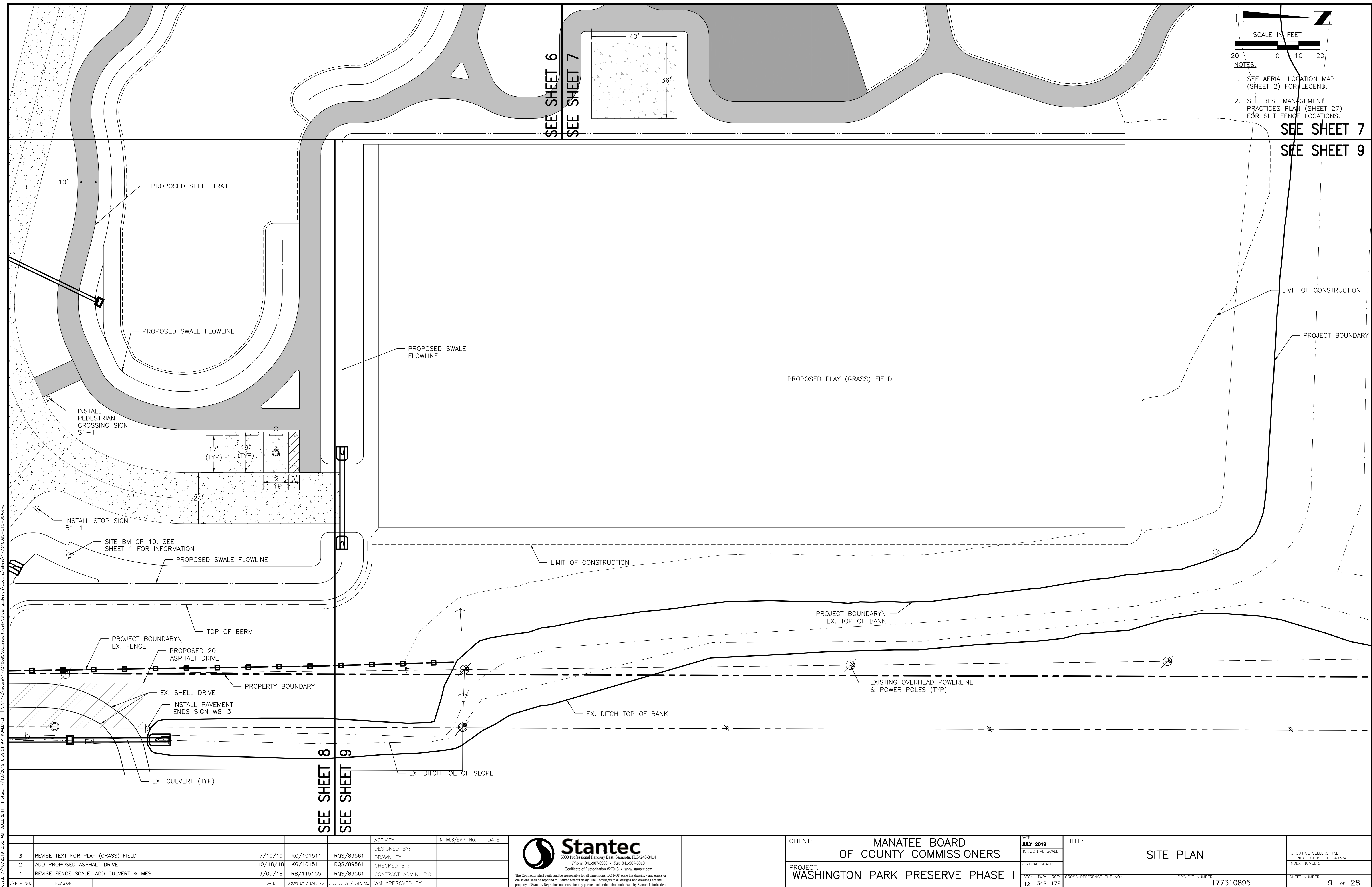
						ACTIVITY		INITIALS/EMP. NO.		DATE		Stantec 6900 Professional Parkway East, Sarasota, FL 34240-8414 Phone 941-907-6000 • Fax 941-907-6910 Certificate of Authorization #27013 • www.stantec.com The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions 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.		CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS		DATE: JULY 2019		TITLE: SITE PLAN		R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 INDEX NUMBER:			
						DESIGNED BY:				HORIZONTAL SCALE:													
						DRAWN BY:				VERTICAL SCALE:													
2		REVISE TEXT FOR PLAYGROUND AND PLAY (GRASS) FIELD		7/10/19		KG/101511		ROS/89561		CHECKED BY:				PROJECT: WASHINGTON PARK PRESERVE PHASE I		SEC. TWP. RGE.		CROSS REFERENCE FILE NO.:		PROJECT NUMBER: 177310895		SHEET NUMBER: 7 OF 28	
1		REVISE FENCE & TRAIL LOCATION		9/05/18		RB/115155		RQS/89561		CONTRACT ADMIN. BY:						12		34S		17E			
Δ REV. NO.		REVISION		DATE		DRAWN BY / EMP. NO.		CHECKED BY / EMP. NO.		WM APPROVED BY:													

SEE SHEET 6
SEE SHEET 8

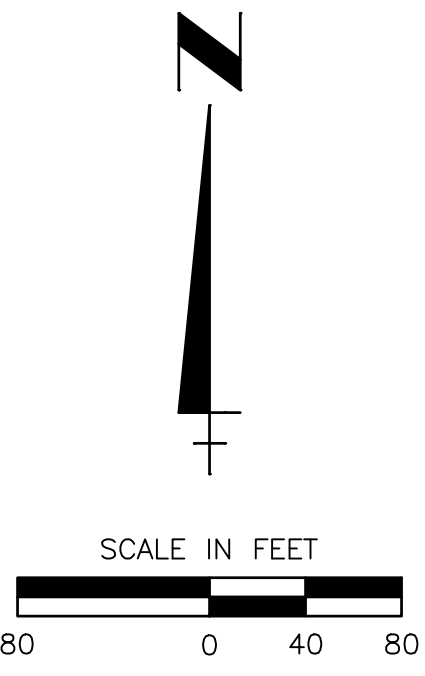
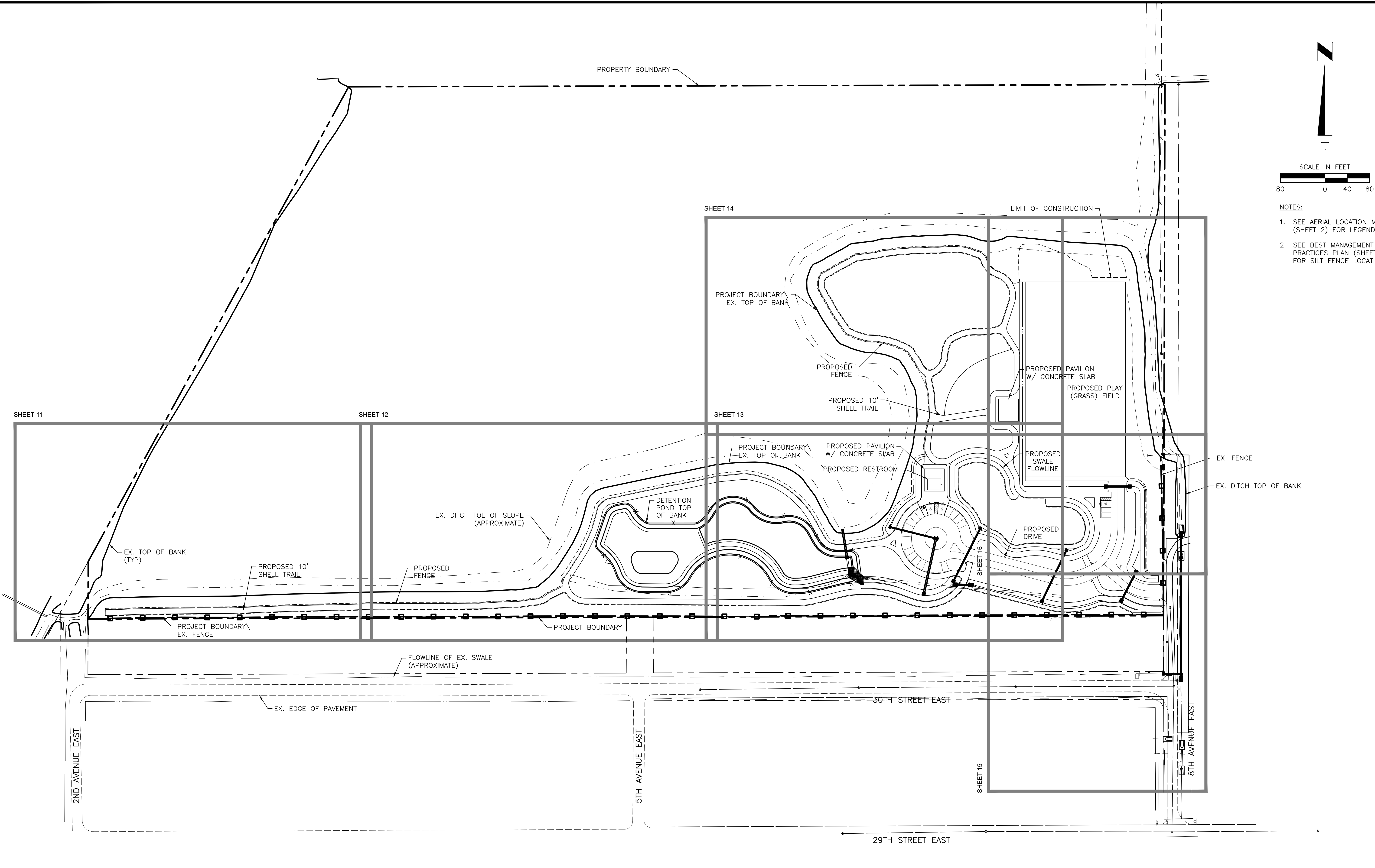


- NOTES:
1. SEE AERIAL LOCATION MAP (SHEET 2) FOR LEGEND.
 2. SEE BEST MANAGEMENT PRACTICES PLAN (SHEET 27) FOR SILT FENCE LOCATIONS.

				ACTIVITY		INITIALS/EMP. NO.		DATE		 Stantec 6900 Professional Parkway East, Sarasota, FL 34240-9414 Phone 941-907-6900 • Fax 941-907-6910 Certificate of Authorization #27013 • www.stantec.com 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.								
				DESIGNED BY:														
3				REVISE TEXT FOR PLAY (GRASS) FIELD		7/10/19		KG/101511			RQS/89561							
2				ADD PROPOSED ASPHALT DRIVE, STOP LINE, PAVEMENT ENDS SIGN		10/18/18		KG/101511			RQS/89561							
1				ADD STREET NAME, ROW DIMENSION, DRAINAGE EASEMENT, MES		8/27/18		KG/101511			RQS/89561							
Δ/REV NO.		REVISION		DATE		DRAWN BY / EMP. NO.		CHECKED BY / EMP. NO.		WM APPROVED BY:								
											CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS		DATE: JULY 2019		TITLE: SITE PLAN		R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 INDEX NUMBER:	
											PROJECT: WASHINGTON PARK PRESERVE PHASE I		HORIZONTAL SCALE:					
											VERTICAL SCALE:							
											SEC. TWP. RGE.		CROSS REFERENCE FILE NO.:		PROJECT NUMBER:		SHEET NUMBER:	
											12 34S 17E				177310895		8 OF 28	



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- NOTES:
1. SEE AERIAL LOCATION MAP (SHEET 2) FOR LEGEND.
 2. SEE BEST MANAGEMENT PRACTICES PLAN (SHEET 27) FOR SILT FENCE LOCATIONS.

REV NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:
2	REVISE TEXT FOR PLAY (GRASS) FIELD	7/10/19	KG/101511	RQS/89561	
1	REVISE TRAIL & FENCE LOCATION, ADD MES & 8TH AVE PIPE	9/05/18	RB/115155	RQS/89561	

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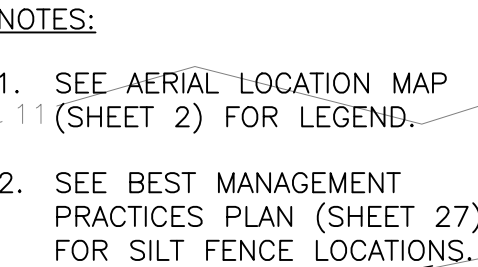
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS	DATE:	JULY 2019	TITLE:	GRADING AND DRAINAGE PLAN KEY SHEET
PROJECT:	WASHINGTON PARK PRESERVE PHASE I	HORIZONTAL SCALE:		VERTICAL SCALE:	
SEC:	TWP:	RGE:	CROSS REFERENCE FILE NO.:	PROJECT NUMBER:	177310895
12	34S	17E		SHEET NUMBER:	10 OF 28

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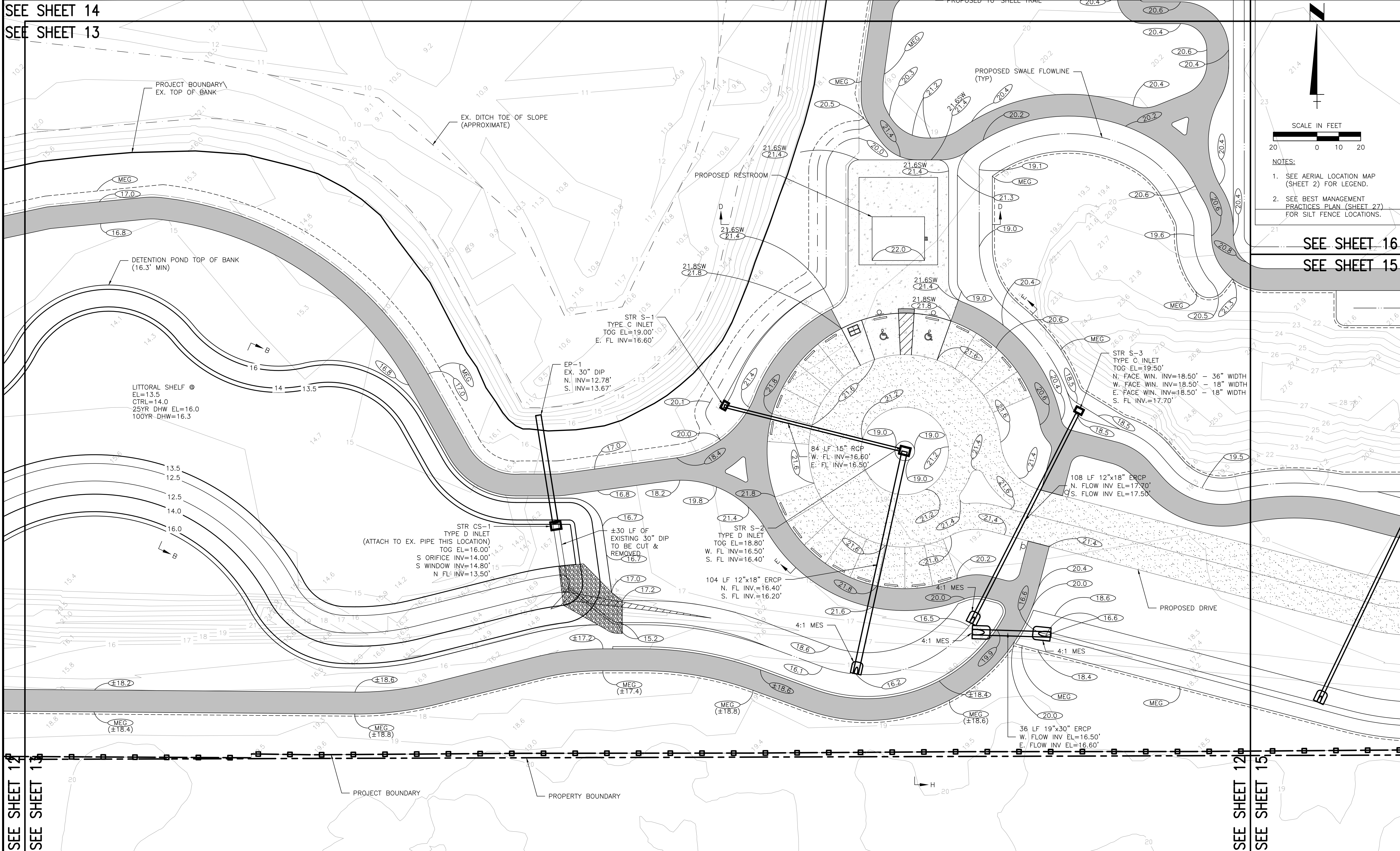


				ACTIVITY:				INITIALS/EMP. NO. DATE				 Stantec 6900 Professional Parkway East, Sarasota, FL 34240-8414 Phone: 941-907-6900 • Fax: 941-907-6910 Certificate of Authorization #27013 • www.stantec.com The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors 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.				CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS				DATE: JULY 2019				TITLE: GRADING AND DRAINAGE PLAN				R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374			
				DESIGNED BY:												HORIZONTAL SCALE:															
				DRAWN BY:												VERTICAL SCALE:															
				CHECKED BY:												PROJECT: WASHINGTON PARK PRESERVE PHASE I				INDEX NUMBER:											
1 REVISE TRAIL & FENCE LOCATIONS, GRADES				9/05/18				RB/115155				ROS/89561				CONTRACT ADMIN. BY:				SEC: TWP: RGE: 12 34S 17E				CROSS REFERENCE FILE NO.: PROJECT NUMBER: 177310895				SHEET NUMBER: 11 OF 28			
△REV. NO.		REVISION		DATE		DRAWN BY / EMP. NO.		CHECKED BY / EMP. NO.		WM APPROVED BY:																					



				ACTIVITY		INITIALS/EMP. NO.		DATE		Stantec 6900 Professional Parkway East, Sarasota, FL 34240-8414 Phone 941-907-6900 • Fax 941-907-6910 Certificate of Authorization #27013 • www.stantec.com 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 Copyright in all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.		CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS				DATE: JULY 2019		TITLE: GRADING AND DRAINAGE PLAN				R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374	
				DESIGNED BY:								PROJECT: WASHINGTON PARK PRESERVE PHASE I		HORIZONTAL SCALE:		INDEX NUMBER:							
				DRAWN BY:										VERTICAL SCALE:									
				CHECKED BY:																			
1		REVISE TRAIL & FENCE LOCATIONS, GRADES, ADD POND WATER LEVELS		8/27/18		KG/101511		RQS/89561		CONTRACT ADMIN. BY:				SEC. TWP. RGE. 12 34S 17E		CROSS REFERENCE FILE NO.:		PROJECT NUMBER: 177310895		SHEET NUMBER: 12 OF 28			
Δ REV NO.		REVISION		DATE		DRAWN BY / EMP. NO.		CHECKED BY / EMP. NO.		WM APPROVED BY:													

SEE SHEET 14
SEE SHEET 13



SCALE IN FEET
20 0 10 20

- NOTES:
1. SEE AERIAL LOCATION MAP (SHEET 2) FOR LEGEND.
 2. SEE BEST MANAGEMENT PRACTICES PLAN (SHEET 27) FOR SILT FENCE LOCATIONS.

SEE SHEET 16
SEE SHEET 15

SEE SHEET 12
SEE SHEET 13

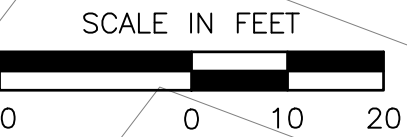
SEE SHEET 12
SEE SHEET 15

1				REVISE TRAIL & FENCE LOCATIONS, GRADES, ADD 4:1 MES, SECTION H-H	8/27/18	KG/101511	ROS/89561	CONTRACT ADMIN. BY:	WM APPROVED BY:	DATE		INITIALS/EMP. NO.		ACTIVITY	
1				REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	DESIGNED BY:		DRAWN BY:		CHECKED BY:		DESIGNED BY:	

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CLIENT:		MANATEE BOARD OF COUNTY COMMISSIONERS		DATE:		JULY 2019		TITLE:		GRADING AND DRAINAGE PLAN		R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 INDEX NUMBER:	
PROJECT:		WASHINGTON PARK PRESERVE PHASE I		HORIZONTAL SCALE:		VERTICAL SCALE:		CROSS REFERENCE FILE NO.:		PROJECT NUMBER:		SHEET NUMBER:	
SEC:		TWP:		RGE:		12		34S		17E		177310895	
												13	
												OF	
												28	



NOTES:

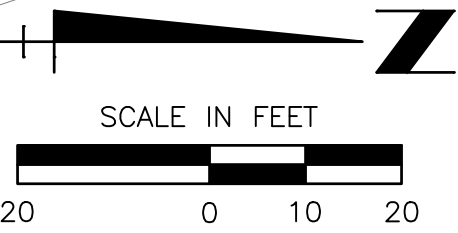
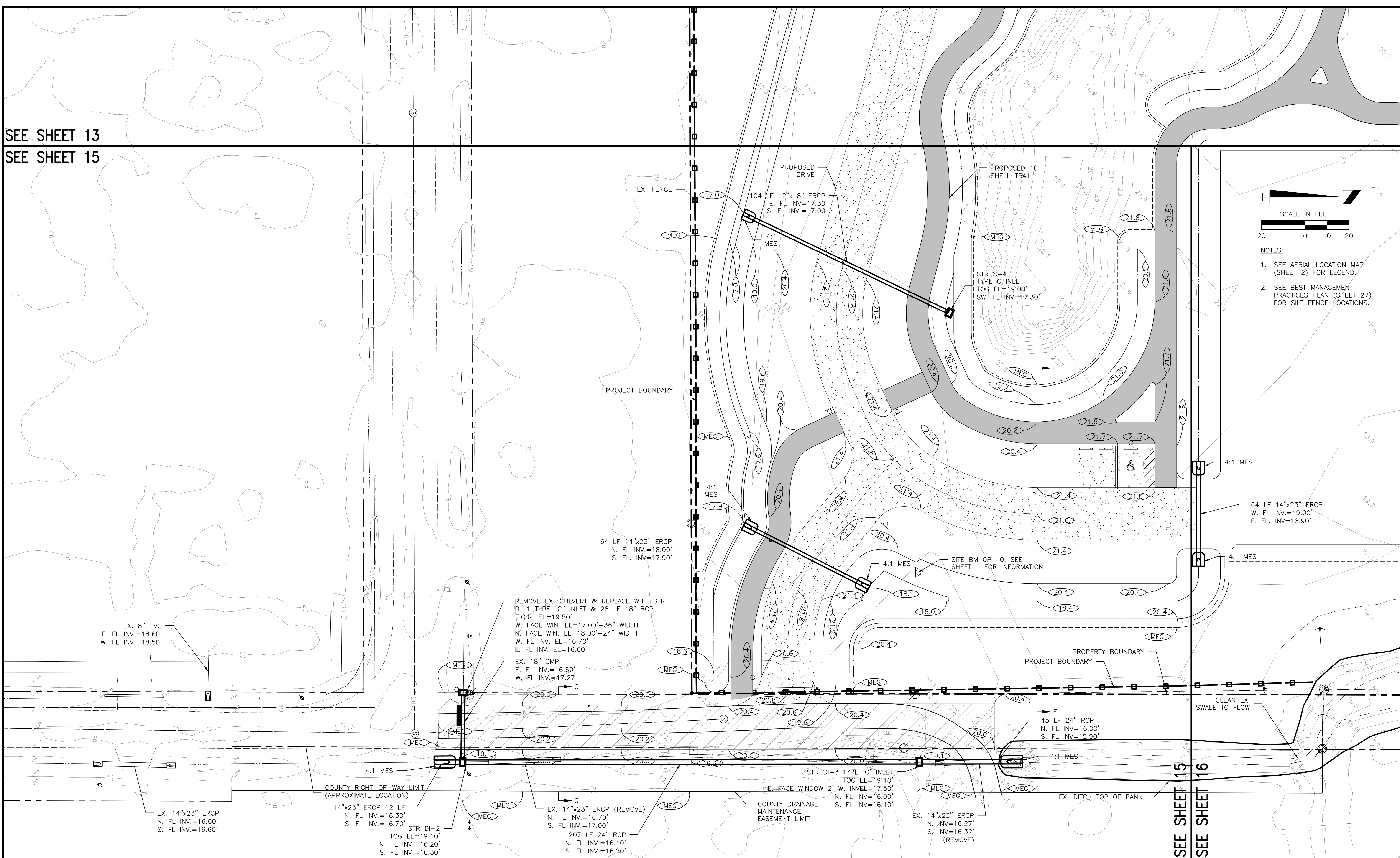
1. SEE AERIAL LOCATION MAP (SHEET 2) FOR LEGEND.
2. SEE BEST MANAGEMENT PRACTICES PLAN (SHEET 27) FOR SILT FENCE LOCATIONS.
3. ONE FOOT OF EXISTING SOIL SHALL BE EXCAVATED FROM THE PLAYFIELD AND PLAYGROUND AREA AND SHALL BE DISPOSED OF IN A LOCATION APPROVED BY THE COUNTY. THE EXCAVATED AREAS SHALL BE DRESSED WITH ONE FOOT OF CLEAN FILL.

SEE SHEET 14
SEE SHEET 13

SEE SHEET 16
SEE SHEET 15

				ACTIVITY:		INITIALS/EMP. NO.		DATE		 Stantec 6900 Professional Parkway East, Sarasota, FL 34240-8414 Phone 941-907-6900 • Fax 941-907-6910 Certificate of Authorization #27013 • www.stantec.com 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.	CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS				DATE: JULY 2019		TITLE: GRADING AND DRAINAGE PLAN				R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374				
2				REVISE TEXT FOR PLAYGROUND AND NOTE 3				7/10/19			KG/101511		RQS/89561		CHECKED BY:		PROJECT: WASHINGTON PARK PRESERVE PHASE I		HORIZONTAL SCALE:		INDEX NUMBER:				
1				ADD SECTION H-H, REVISE TRAIL & FENCE LOCATIONS				8/27/18			KG/101511		RQS/89561		CONTRACT ADMIN. BY:				VERTICAL SCALE:						
Δ/REV NO.		REVISION		DATE		DRAWN BY / EMP. NO.		CHECKED BY / EMP. NO.			WM APPROVED BY:				SEC: 12		TWP: 34S		RGE: 17E		CROSS REFERENCE FILE NO.:		PROJECT NUMBER: 177310895		SHEET NUMBER: 14 OF 28

SEE SHEET 13
SEE SHEET 15



- NOTES:
1. SEE AERIAL LOCATION MAP (SHEET 2) FOR LEGEND.
 2. SEE BEST MANAGEMENT PRACTICES PLAN (SHEET 27) FOR SILT FENCE LOCATIONS.

REV NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:
2	UPDATE GRADE ELEVATIONS ASPHALT DRIVE	10/18/18	KG/101511	RQS/89561	
1	ADD MES, DRAIN ESMNT, 24" RCP, DI-2, DI-3, REV SHELL DRIVE	8/27/18	RB/115155	RQS/89561	

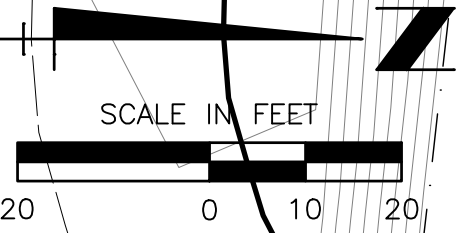
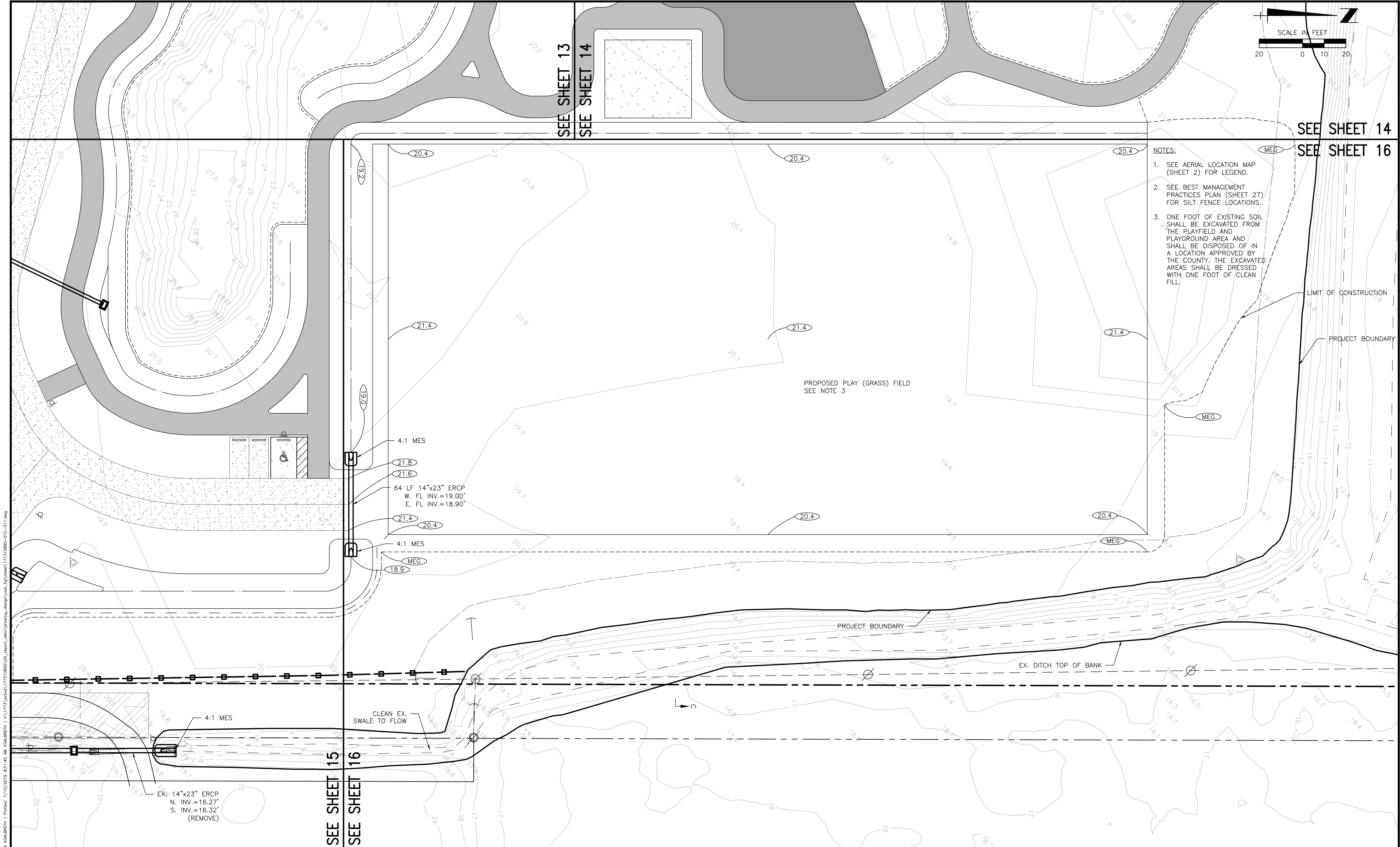
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CLIENT: MANATEE BOARD
OF COUNTY COMMISSIONERS

PROJECT: WASHINGTON PARK PRESERVE PHASE I

DATE: JULY 2019	TITLE: GRADING AND DRAINAGE PLAN	R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 INDEX NUMBER:
HORIZONTAL SCALE:		
VERTICAL SCALE:		
SEC: 12	TWP: 34S	RGE: 17E
CROSS REFERENCE FILE NO.:	PROJECT NUMBER: 177310895	SHEET NUMBER: 15 OF 28



- NOTES:
- SEE AERIAL LOCATION MAP (SHEET 2) FOR LEGEND.
 - SEE BEST MANAGEMENT PRACTICES PLAN (SHEET 27) FOR SILT FENCE LOCATIONS.
 - ONE FOOT OF EXISTING SOIL SHALL BE EXCAVATED FROM THE PLAYFIELD AND PLAYGROUND AREA AND SHALL BE DISPOSED OF IN A LOCATION APPROVED BY THE COUNTY. THE EXCAVATED AREAS SHALL BE DRESSED WITH ONE FOOT OF CLEAN FILL.
- LIMIT OF CONSTRUCTION
- PROJECT BOUNDARY

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REV NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:
3	REVISE TEXT PLAY (GRASS) FIELD AND ADD NOTE 3	7/10/19	KG/101511	RQS/89561	
2	REVISE FENCE LOCATION	10/18/18	KG/101511	RQS/89561	
1	ADD 4:1 MES, ADD CLEAN SWALE NOTE	8/27/18	KG/101511	RQS/89561	

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CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS	DATE:	JULY 2019	TITLE:	GRADING AND DRAINAGE PLAN	R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 INDEX NUMBER:
PROJECT:	WASHINGTON PARK PRESERVE PHASE I	HORIZONTAL SCALE:		VERTICAL SCALE:		
SEC:	TWP:	RGE:	CROSS REFERENCE FILE NO.:	PROJECT NUMBER:	177310895	SHEET NUMBER:
12	34S	17E				16 OF 28

UTILITY GENERAL NOTES:

- MANATEE COUNTY PUBLIC WORKS UTILITY STANDARDS ARE THE MINIMUM ALLOWABLE WATER AND/OR WASTEWATER CONSTRUCTION STANDARDS. WHERE ANY NOTE OR DETAIL ON THESE PLANS CONFLICT WITH THE MANATEE COUNTY PUBLIC WORKS UTILITY STANDARDS THE MORE STRINGENT INTERPRETATION, AS DETERMINED BY THE COUNTY INFRASTRUCTURE INSPECTOR, SHALL BE APPLIED.
- THE CONTRACTOR SHALL INVESTIGATE AND VERIFY OR HAVE VERIFIED THE LOCATION OF EXISTING UTILITIES AND ANY OTHER SUBSURFACE FACILITIES BEFORE STARTING WORK. HE SHALL BE LIABLE FOR ANY EXPENSE RESULTING FROM DAMAGE TO SAME. ANY CONFLICTS WITH EXISTING UTILITIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AS SOON AS POSSIBLE.

WATER DISTRIBUTION GENERAL NOTES:

- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE COUNTY, AND THE ENGINEER TWO (2) WORKING DAYS PRIOR TO ANY WORK AT SITE & THREE (3) WORKING DAYS PRIOR TO ANY TESTING. WATER MAINS TIE-INS REQUIRING WATER SERVICE TO BE SHUT OFF SHALL BE MADE WHEN REQUIRED BY MANATEE COUNTY PUBLIC WORKS DEPARTMENT.
- WATER MAIN INSTALLATION SHALL BE CONSTRUCTED TO THE ELEVATIONS AND DEPTHS AS INDICATED ON THE PLANS WITHIN 0.25 FT. COST TO RELAY MAIN, IF NECESSARY, SHALL BE BORNE BY THE CONTRACTOR.
- WHERE THE WATER MAIN EXCEEDS THE PIPE MANUFACTURER'S RECOMMENDATIONS FOR MAXIMUM JOINT DEFLECTION, THE CONTRACTOR SHALL FURNISH AND INSTALL DUCTILE IRON FITTINGS.
- THE CONTRACTOR SHALL PROVIDE AND UTILIZE A METERED JUMPER ASSEMBLY BETWEEN THE EXISTING POTABLE WATER SOURCE PIPING AND THE NEW WATER MAIN IN ORDER TO PROVIDE BACKFLOW PREVENTION WHILE FILLING AND FLUSHING THE NEW WATER MAIN. FINAL TIE-IN SHALL BE COMPLETED ONLY AFTER THE NEW SYSTEM HAS BEEN FLUSHED CLEAN, PRESSURE TESTED, DISINFECTED, BACTERIOLOGICALLY CLEARED, CERTIFIED COMPLETE BY THE ENGINEER, AND A RELEASE IS OBTAINED FROM THE HEALTH DEPARTMENT. ENGINEER'S REPRESENTATIVE TO BE PRESENT AT FINAL TIE-IN. THE LENGTH OF PIPE REQUIRED FOR FINAL TIE-IN SHALL BE LIMITED TO LESS THAN 20 FEET. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH HEALTH DEPARTMENT AND LOCAL GOVERNMENT RULES AND REGULATIONS.

WASTEWATER GENERAL NOTES:

- ELEVATIONS SHOWN ON THE PLANS FOR FLOWLINES OF PROPOSED WASTEWATER MAINS SHALL BE ADHERED TO. IN MOST CASES THE DESIGN GRADES ARE CRITICAL AND ADJUSTMENTS CAUSED BY MISALIGNMENT OR IMPROPER GRADES ARE IMPRACTICAL. COST TO RELAY MAIN, IF NECESSARY, SHALL BE BORNE BY THE CONTRACTOR.

SANITARY SEWER SERVICE GENERAL NOTES:

- METALLIC IDENTIFICATION TAPE SHALL EXTEND FROM WYE CONNECTION TO THE END OF THE SERVICE EIGHTEEN INCHES (18") BELOW FINISHED GRADE.
- CLEANOUTS ARE REQUIRED ON ALL SERVICES AND AS SHOWN ON THE PLAN.
- CLEAN-OUTS SHALL BE ADJUSTED TO CONFORM WITH FINISHED SURFACES. ALL ADJUSTMENTS SHALL BE INCLUDED IN THE PRICE BID. NO ADDITIONAL COMPENSATION SHALL BE MADE BY THE OWNER.

TRENCH GENERAL NOTES:

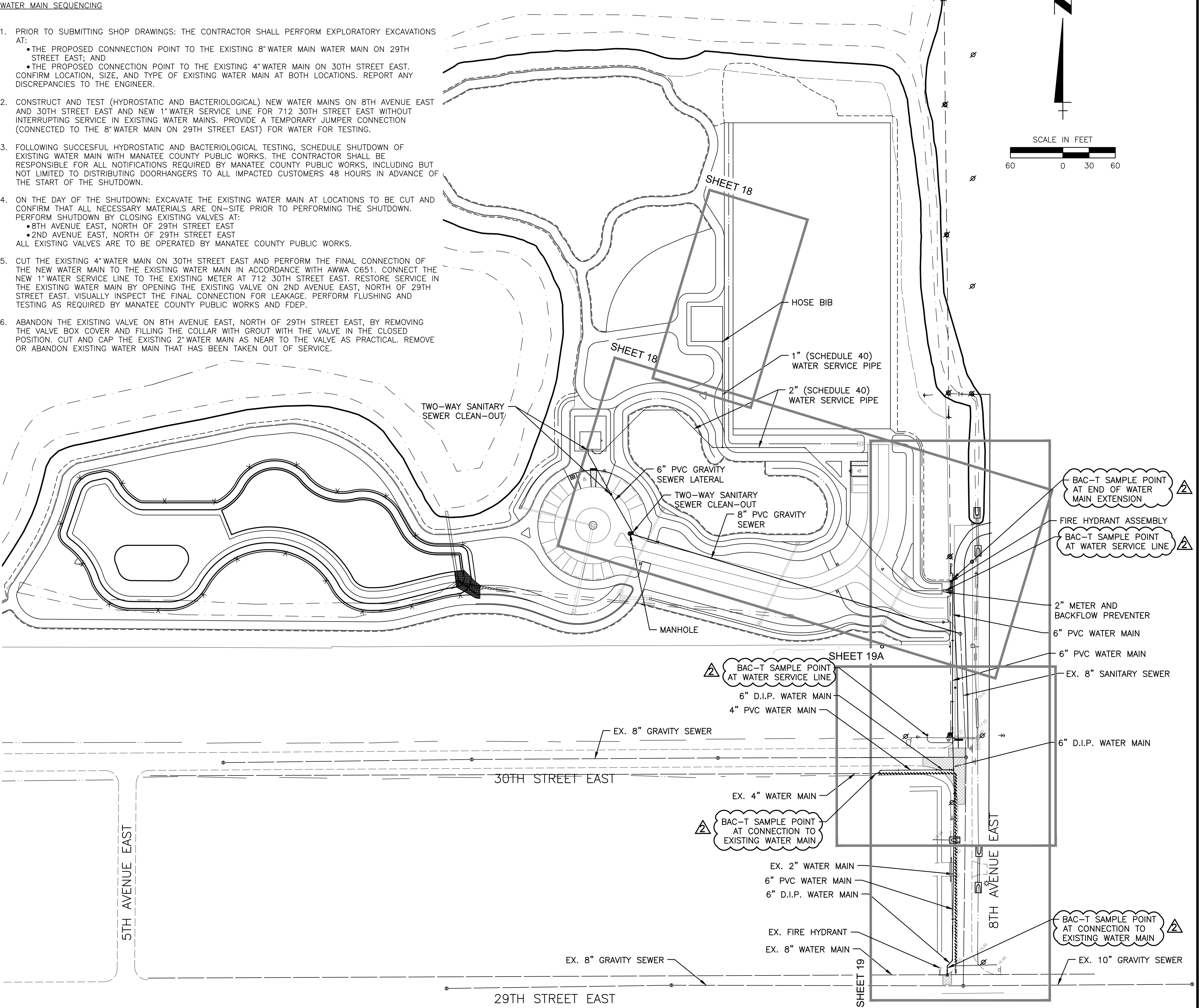
- WHERE WATER, RECLAIMED, SEWER MAINS, FORCEMAINS AND/OR STORM SEWERS WOULD CROSS WITH LESS THAN EIGHTEEN INCHES (18") OF VERTICAL CLEARANCE, UPON COUNTY APPROVAL, THE MAIN (WATER, RECLAIMED WATER, FORCEMAIN) MAY BE BURIED WITH LESS THAN 3 FEET OF COVER TO AVOID OBSTRUCTION OF ANOTHER PIPE, PROVIDED THAT THE MAIN IS CONSTRUCTED OF DUCTILE IRON PIPE OR ENCASED IN DUCTILE IRON OR STEEL ENCASEMENT PIPES. WRITTEN APPROVAL FROM THE COUNTY IS REQUIRED PRIOR TO CONSTRUCTION OF MAINS WITH COVER OF LESS THAN 3 FEET OR MORE THAN 6 FEET. MAINS (WATER, RECLAIMED WATER, FORCEMAIN) WITH LESS THAN 3' OF COVER WILL ALSO REQUIRE INCREASED THRUST RESTRAINT.
- DISCHARGE FROM DEWATERING OPERATION SHALL BE DISPOSED OF IN SUCH A MANNER THAT IT SHALL NOT INTERFERE WITH THE NORMAL DRAINAGE OF THE AREA IN WHICH THE WORK IS BEING PERFORMED, CREATE A PUBLIC NUISANCE OR FORM PONDING. THE OPERATIONS SHALL NOT CAUSE INJURY TO ANY PORTION OF THE WORK COMPLETED, OR IN PROGRESS, OR TO THE SURFACE OF STREETS, OR TO PRIVATE PROPERTY.
- THE PROPOSED DEWATERING METHOD(S) AND SCHEDULE SHALL BE COORDINATED WITH THE UTILITY AND/OR THE ENGINEER OF RECORD AND OTHER NECESSARY REGULATORY AGENCIES PRIOR TO CONSTRUCTION. ADDITIONALLY, WHERE PRIVATE PROPERTY SHALL BE INVOLVED, ADVANCE PERMISSION SHALL BE OBTAINED BY THE CONTRACTOR AND/OR DEVELOPER.
- THE CONTRACTOR SHALL PROVIDE SOIL COMPACTION TESTING IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS. IF THE SPECIFICATIONS DO NOT ADDRESS COMPACTION TESTS, THEY SHALL BE DONE IN ACCORDANCE WITH MANATEE COUNTY PUBLIC UTILITY STANDARDS, LATEST EDITION. ALL SOIL COMPACTION TESTS RESULTS SHALL BE SUBMITTED TO THE ENGINEER OF RECORD.

AS-BUILTS:

- THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS THAT MEET OR EXCEED THE MANATEE COUNTY PUBLIC WORKS UTILITY STANDARDS, LATEST EDITION.
- THE CONTRACTOR SHALL FURNISH "AS-BUILT" STATIONING OF SEWER WYES USING EACH DOWNSTREAM MANHOLE AS STA. 0+00.
- TOP OF PIPE ELEVATIONS FOR ALL POTABLE WATER AND GRAVITY SEWER MAINS ARE REQUIRED EVERY ONE HUNDRED FOOT STATION AND AT EACH STRUCTURE, FITTING, AND CHANGE IN GRADE OR ALIGNMENT.
- RECORD DRAWINGS, IF PREPARED BY THE CONTRACTOR OR CONTRACTOR'S SURVEYOR: DRAFT COPIES OF THE RECORD DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO FINALIZING THE DRAWINGS. ONCE ACCEPTABLE TO THE ENGINEER, THE CONTRACTOR/SURVEYOR SHALL PROVIDE 9 SETS OF SIGNED AND SEALED FINALIZED DRAWINGS FOR SUBMITTAL TO THE COUNTY. ONCE THE DRAWINGS ARE APPROVED BY THE COUNTY, CONTRACTOR/SURVEYOR IS RESPONSIBLE TO PROVIDE THE ENGINEER OF RECORD ONE SET OF MYLARS AND A DIGITAL COPY OF RECORD DRAWINGS IN CAD AND PDF FORMAT. RECORD INFORMATION SHALL BE ON UNIQUE LAYER(S) AND TEXT SHALL USE A STANDARD AUTOCAD FONT.

WATER MAIN SEQUENCING

- PRIOR TO SUBMITTING SHOP DRAWINGS: THE CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATIONS AT:
 - THE PROPOSED CONNNECTION POINT TO THE EXISTING 8"WATER MAIN WATER MAIN ON 29TH STREET EAST; AND
 - THE PROPOSED CONNECTION POINT TO THE EXISTING 4"WATER MAIN ON 30TH STREET EAST. CONFIRM LOCATION, SIZE, AND TYPE OF EXISTING WATER MAIN AT BOTH LOCATIONS. REPORT ANY DISCREPANCIES TO THE ENGINEER.
- CONSTRUCT AND TEST (HYDROSTATIC AND BACTERIOLOGICAL) NEW WATER MAINS ON 8TH AVENUE EAST AND 30TH STREET EAST AND NEW 1" WATER SERVICE LINE FOR 712 30TH STREET EAST WITHOUT INTERRUPTING SERVICE IN EXISTING WATER MAINS. PROVIDE A TEMPORARY JUMPER CONNECTION (CONNECTED TO THE 8"WATER MAIN ON 29TH STREET EAST) FOR WATER FOR TESTING.
- FOLLOWING SUCSESFUL HYDROSTATIC AND BACTERIOLOGICAL TESTING, SCHEDULE SHUTDOWN OF EXISTING WATER MAIN WITH MANATEE COUNTY PUBLIC WORKS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NOTIFICATIONS REQUIRED BY MANATEE COUNTY PUBLIC WORKS, INCLUDING BUT NOT LIMITED TO DISTRIBUTING DOORHANGERS TO ALL IMPACTED CUSTOMERS 48 HOURS IN ADVANCE OF THE START OF THE SHUTDOWN.
- ON THE DAY OF THE SHUTDOWN: EXCAVATE THE EXISTING WATER MAIN AT LOCATIONS TO BE CUT AND CONFIRM THAT ALL NECESSARY MATERIALS ARE ON-SITE PRIOR TO PERFORMING THE SHUTDOWN. PERFORM SHUTDOWN BY CLOSING EXISTING VALVES AT:
 - 8TH AVENUE EAST, NORTH OF 29TH STREET EAST
 - 2ND AVENUE EAST, NORTH OF 29TH STREET EASTALL EXISTING VALVES ARE TO BE OPERATED BY MANATEE COUNTY PUBLIC WORKS.
- CUT THE EXISTING 4"WATER MAIN ON 30TH STREET EAST AND PERFORM THE FINAL CONNECTION OF THE NEW WATER MAIN TO THE EXISTING WATER MAIN IN ACCORDANCE WITH AWWA C651. CONNECT THE NEW 1" WATER SERVICE LINE TO THE EXISTING METER AT 712 30TH STREET EAST. RESTORE SERVICE IN THE EXISTING WATER MAIN BY OPENING THE EXISTING VALVE ON 2ND AVENUE EAST, NORTH OF 29TH STREET EAST. VISUALLY INSPECT THE FINAL CONNECTION FOR LEAKAGE. PERFORM FLUSHING AND TESTING AS REQUIRED BY MANATEE COUNTY PUBLIC WORKS AND FDEP.
- ABANDON THE EXISTING VALVE ON 8TH AVENUE EAST, NORTH OF 29TH STREET EAST, BY REMOVING THE VALVE BOX COVER AND FILLING THE COLLAR WITH GROUT WITH THE VALVE IN THE CLOSED POSITION. CUT AND CAP THE EXISTING 2" WATER MAIN AS NEAR TO THE VALVE AS PRACTICAL. REMOVE OR ABANDON EXISTING WATER MAIN THAT HAS BEEN TAKEN OUT OF SERVICE.



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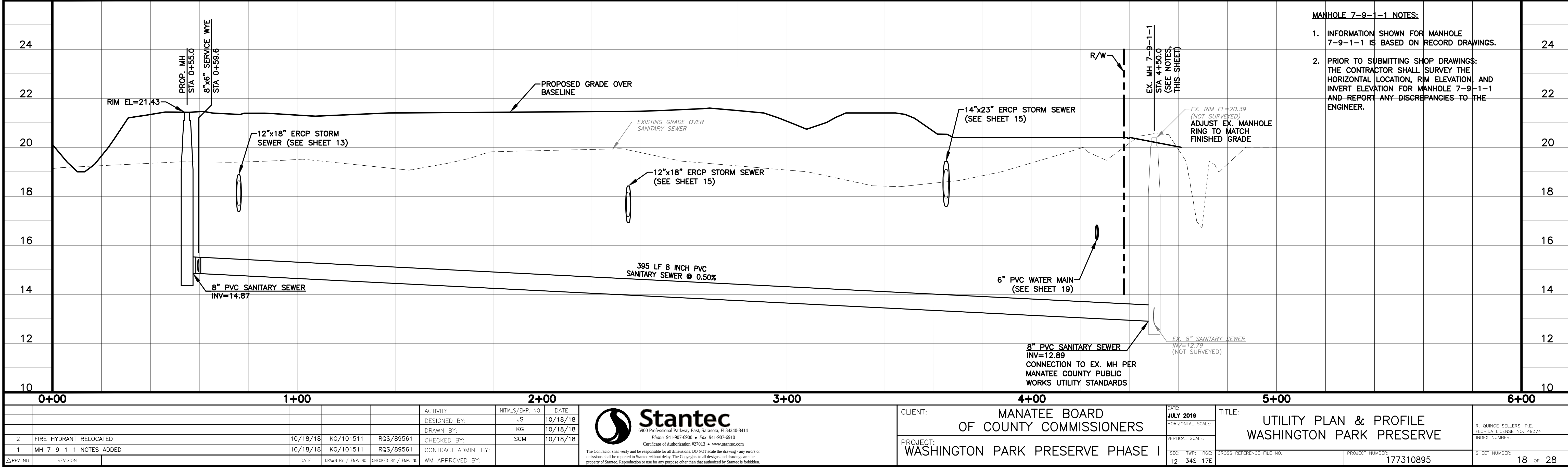
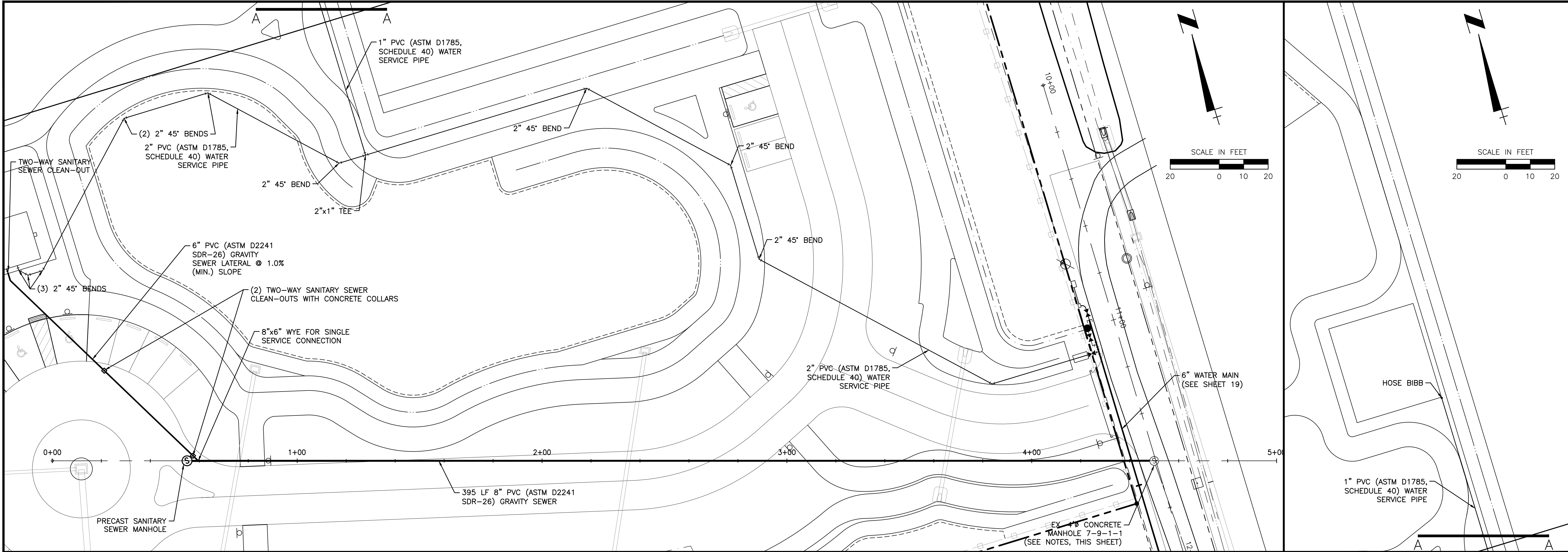
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					DRAWN BY:	KG	10/18/18
2	BAC-T SAMPLE POINTS ADDED	07/01/19	KG/101511	JS	CHECKED BY:	SCM	10/18/18
1	WATER MAIN SEQUENCING ADDED	10/18/18	KG/101511	R05/89561	CONTRACT ADMIN. BY:		
ΔREV NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:		

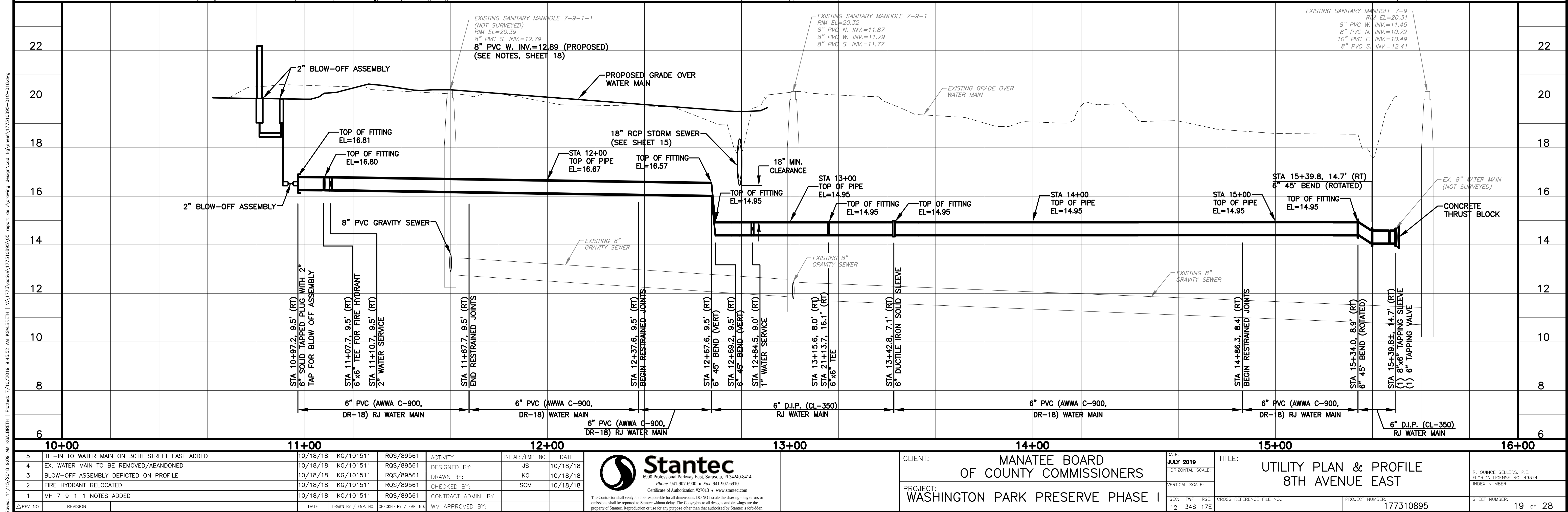
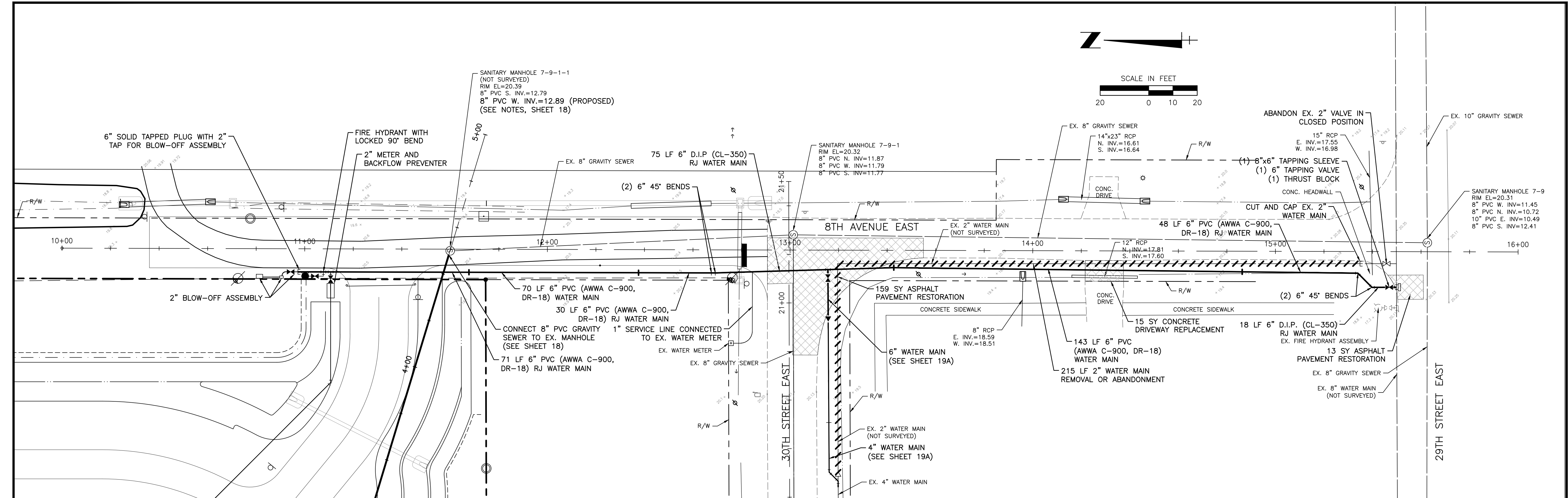


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CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS	DATE:	JULY 2019	TITLE:	UTILITY SITE PLAN
PROJECT:	WASHINGTON PARK PRESERVE PHASE I	HORIZONTAL SCALE:			GENERAL NOTES AND KEY SHEET
		VERTICAL SCALE:			
SEC:	TWP: RGE:	CROSS REFERENCE FILE NO.:	PROJECT NUMBER:		
12	34S 17E		177310895		
				SHEET NUMBER:	17 OF 28





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NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:
5	TIE-IN TO WATER MAIN ON 30TH STREET EAST ADDED	10/18/18	KG/101511	RQS/89561	
4	EX. WATER MAIN TO BE REMOVED/ABANDONED	10/18/18	KG/101511	RQS/89561	
3	BLOW-OFF ASSEMBLY DEPICTED ON PROFILE	10/18/18	KG/101511	RQS/89561	
2	FIRE HYDRANT RELOCATED	10/18/18	KG/101511	RQS/89561	
1	MH 7-9-1-1 NOTES ADDED	10/18/18	KG/101511	RQS/89561	
Δ	REV NO.				

NO.	ACTIVITY	INITIALS/EMP. NO.	DATE
1	DESIGNED BY:	JS	10/18/18
2	DRAWN BY:	KG	10/18/18
3	CHECKED BY:	SCM	10/18/18
4	CONTRACT ADMIN. BY:		
5	WM APPROVED BY:		



CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS

PROJECT: WASHINGTON PARK PRESERVE PHASE I

DATE: JULY 2019

HORIZONTAL SCALE: 1" = 40'

VERTICAL SCALE: 1" = 4'

TITLE: UTILITY PLAN & PROFILE 8TH AVENUE EAST

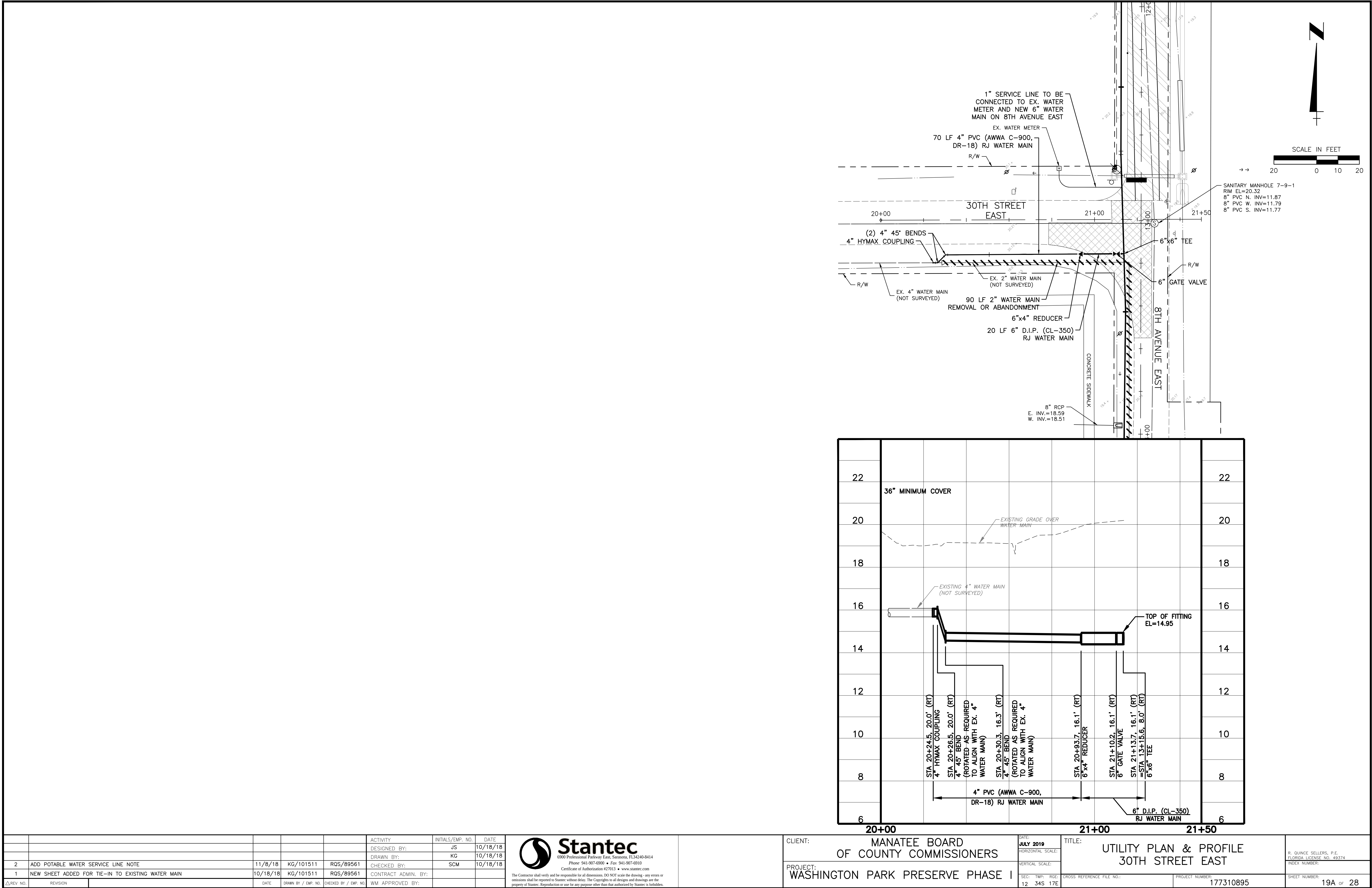
SEC: 12 TWP: 34S RGE: 17E

CROSS REFERENCE FILE NO.: 177310895

PROJECT NUMBER: 177310895

SHEET NUMBER: 19 OF 28

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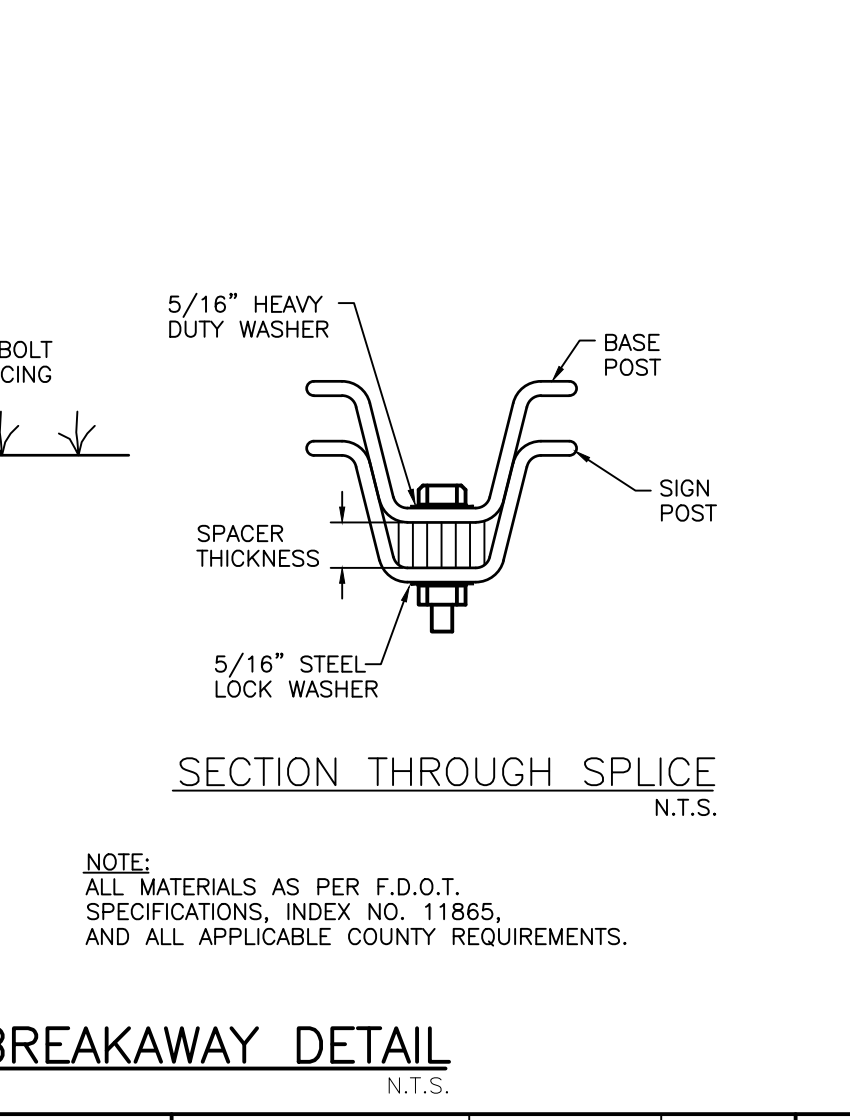
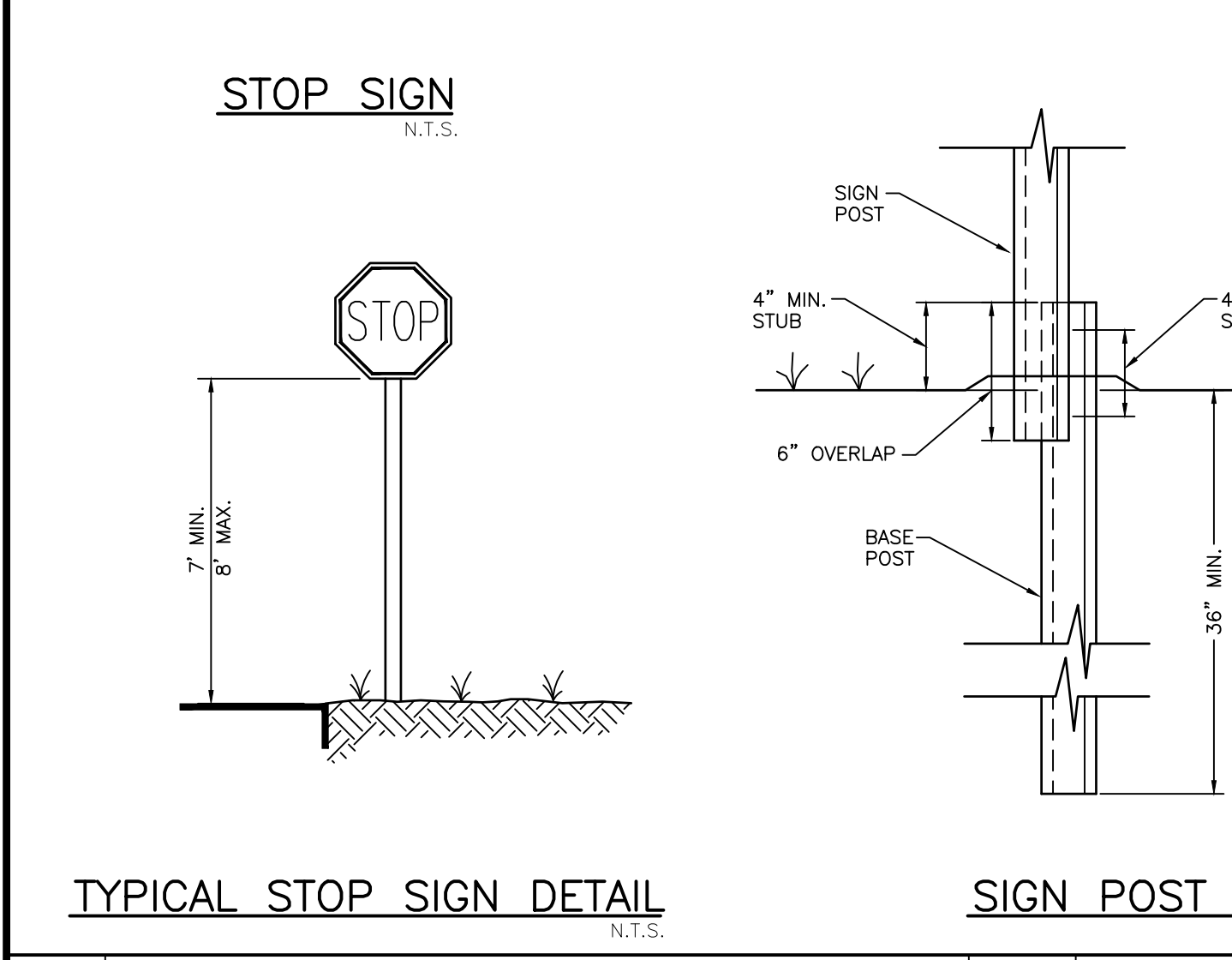
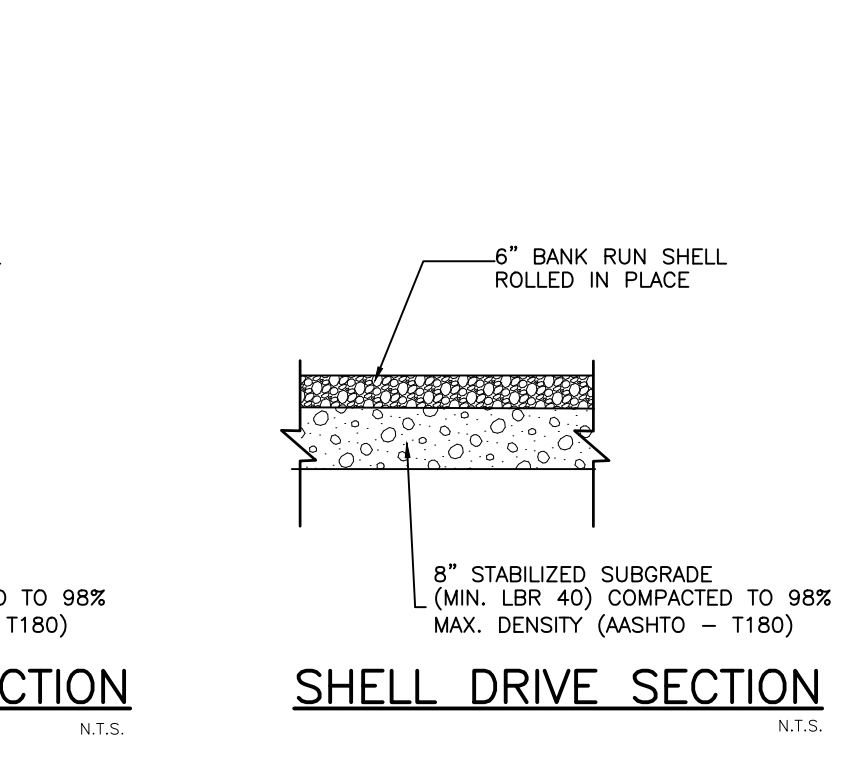
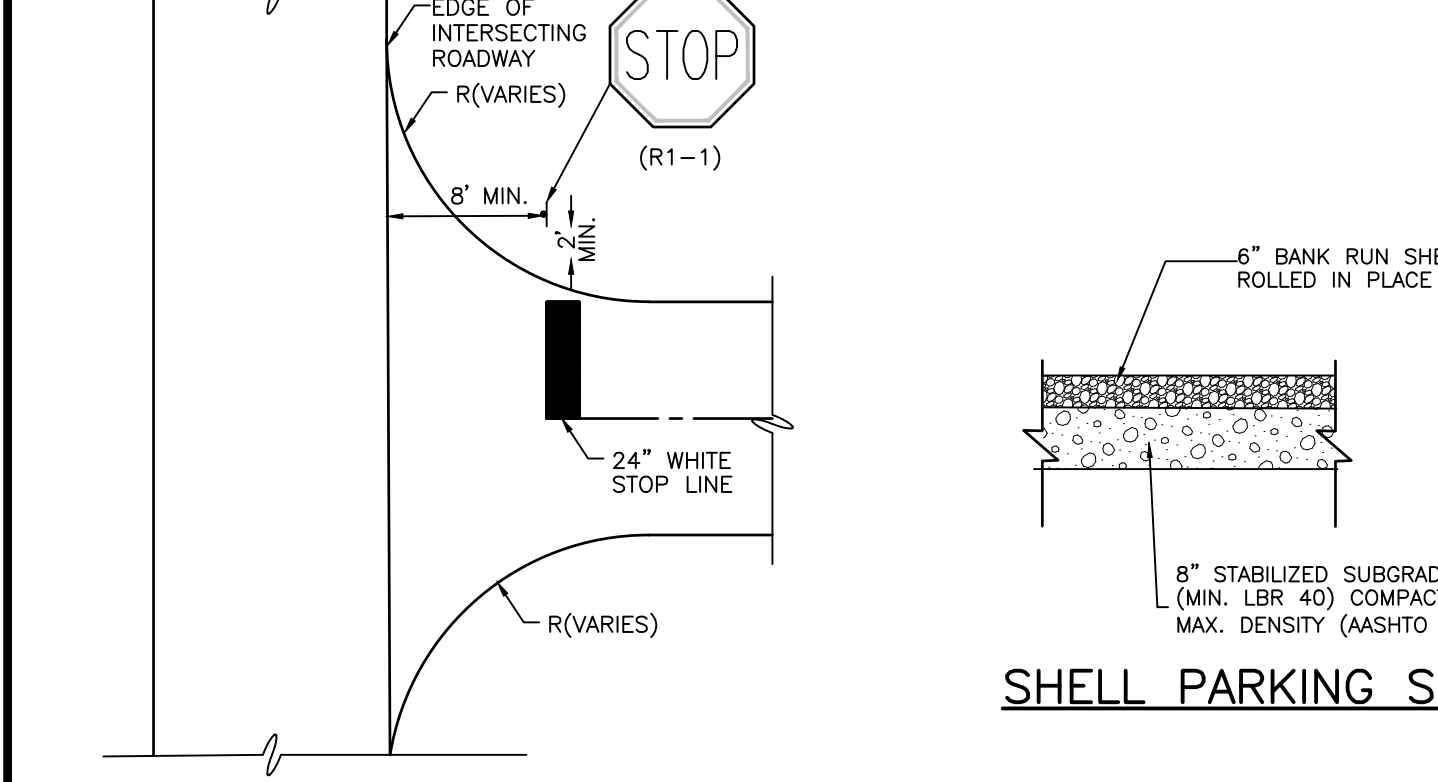
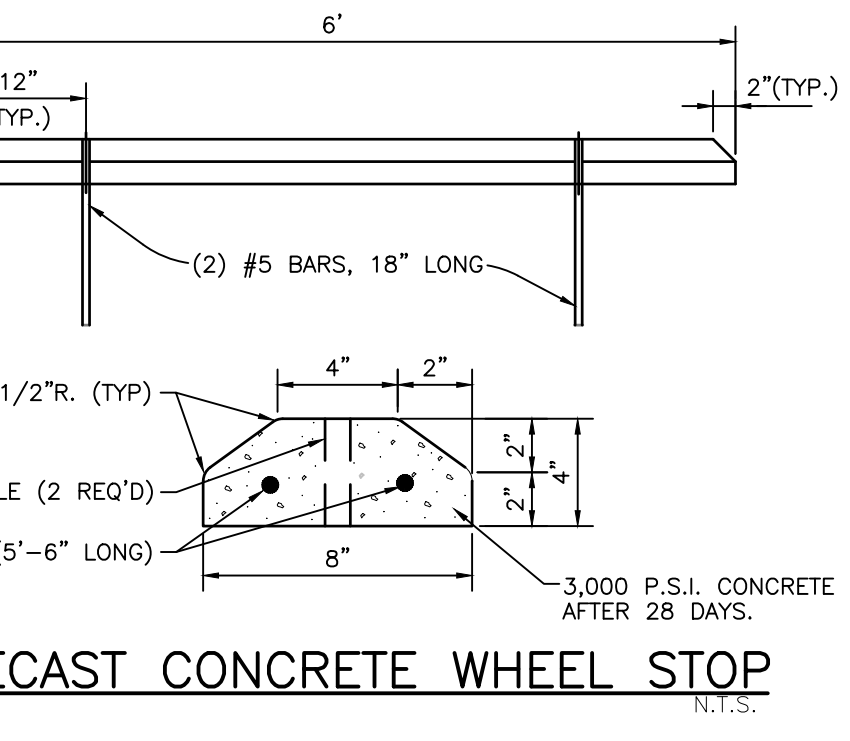
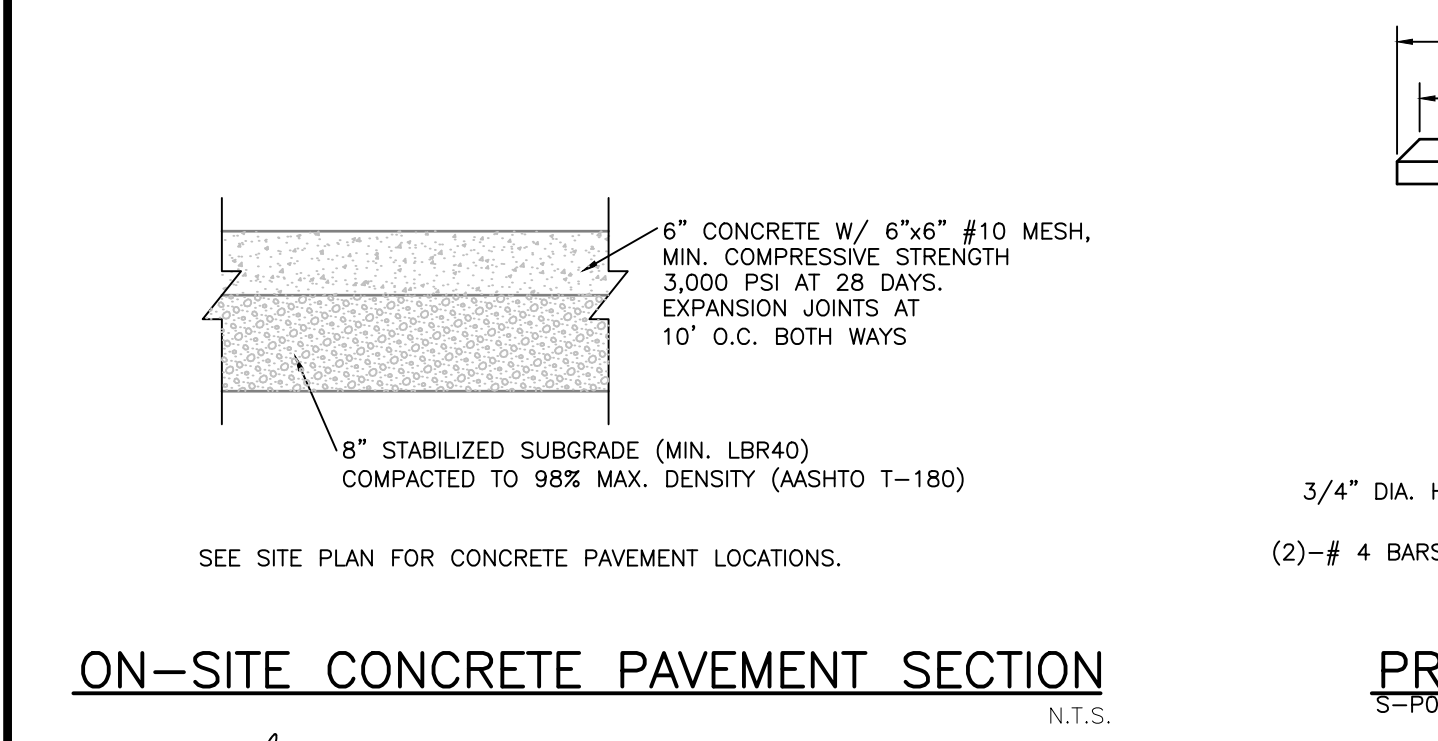
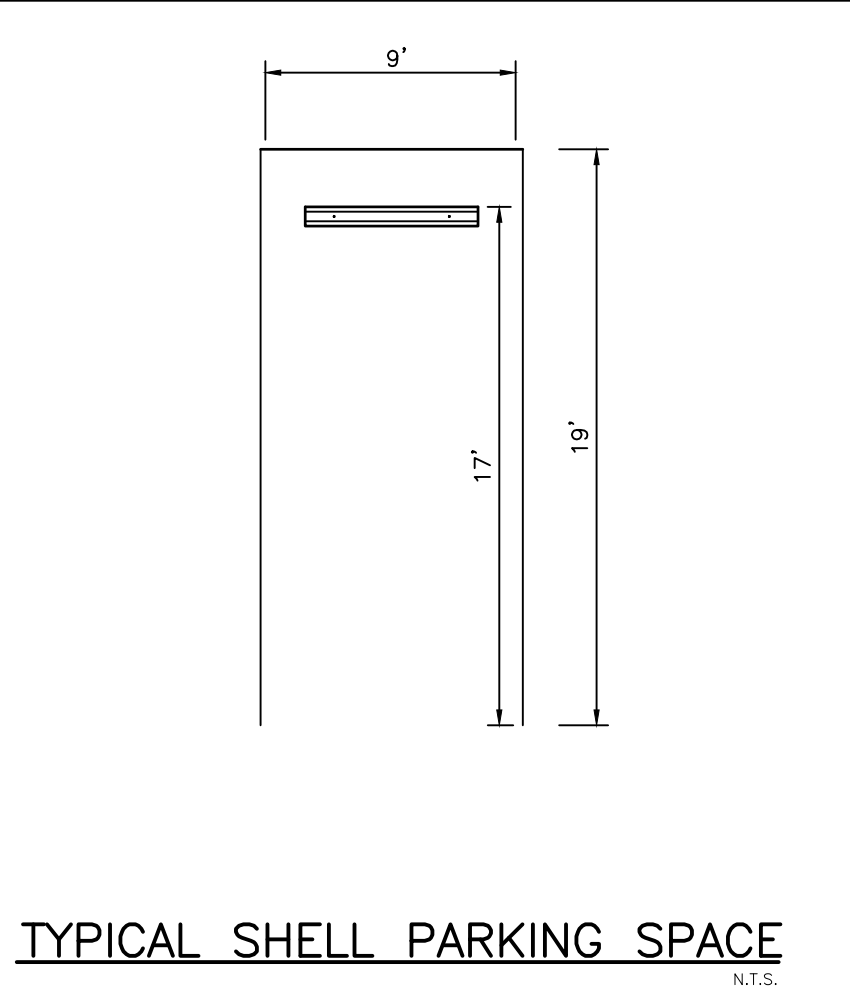
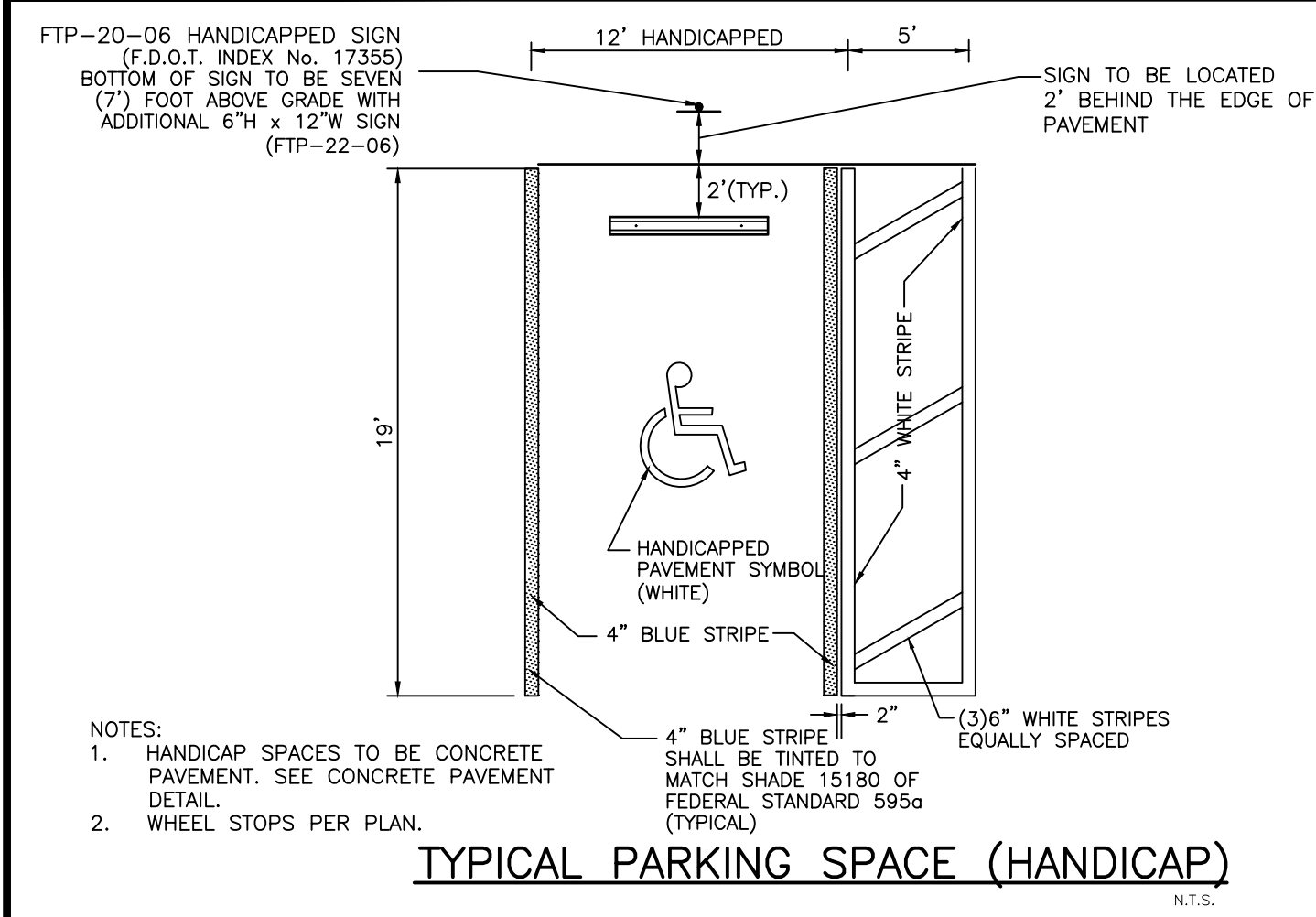
					ACTIVITY	INITIALS/EMP. NO.	DATE
					DESIGNED BY:	JS	10/18/18
					DRAWN BY:	KG	10/18/18
2	ADD POTABLE WATER SERVICE LINE NOTE	11/8/18	KG/101511	RQS/89561	CHECKED BY:	SCM	10/18/18
1	NEW SHEET ADDED FOR TIE-IN TO EXISTING WATER MAIN	10/18/18	KG/101511	RQS/89561	CONTRACT ADMIN. BY:		
△REV NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:		

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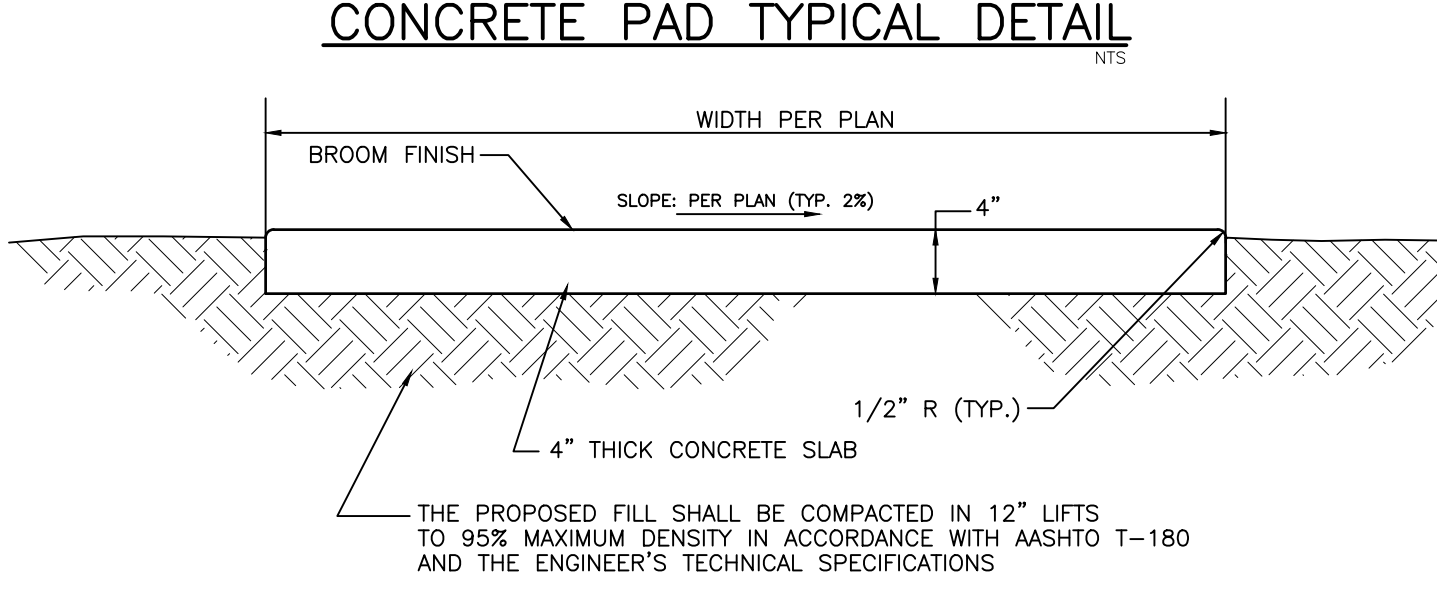
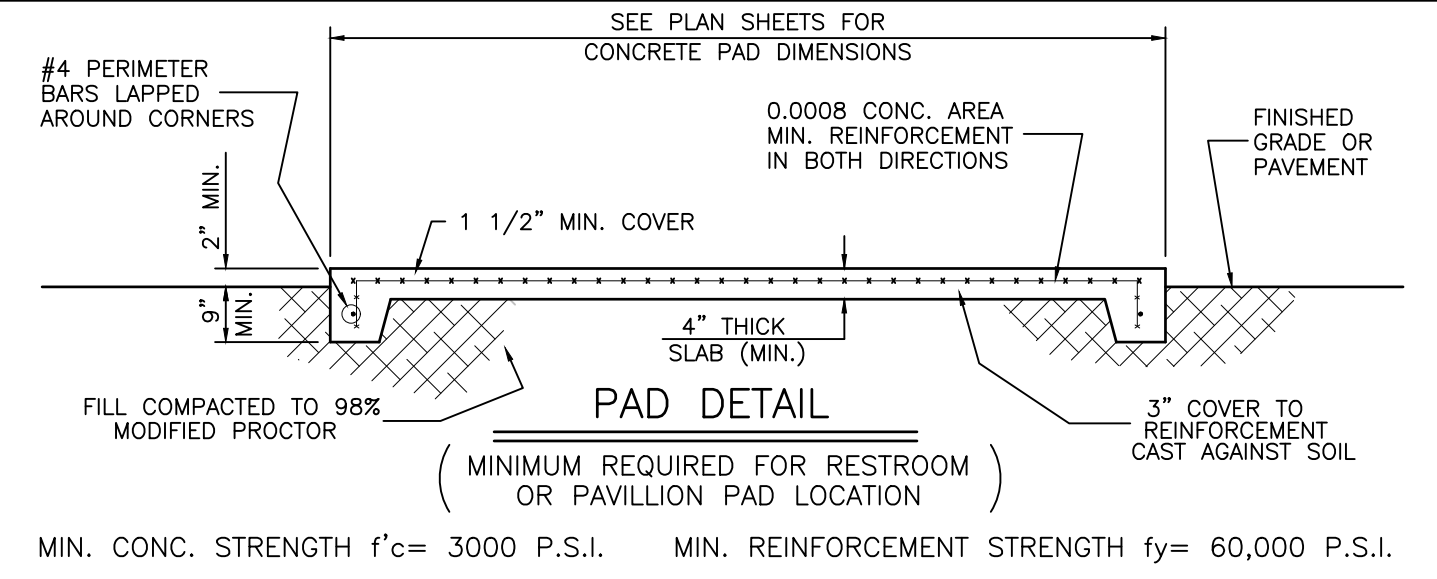
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CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS	DATE:	JULY 2019	TITLE:	UTILITY PLAN & PROFILE 30TH STREET EAST	R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 INDEX NUMBER:
PROJECT:	WASHINGTON PARK PRESERVE PHASE I	HORIZONTAL SCALE:				
		VERTICAL SCALE:				
SEC:	TWP:	RGE:	CROSS REFERENCE FILE NO.:	PRODUCT NUMBER:	177310895	SHEET NUMBER:
12	34S	17E				19A OF 28

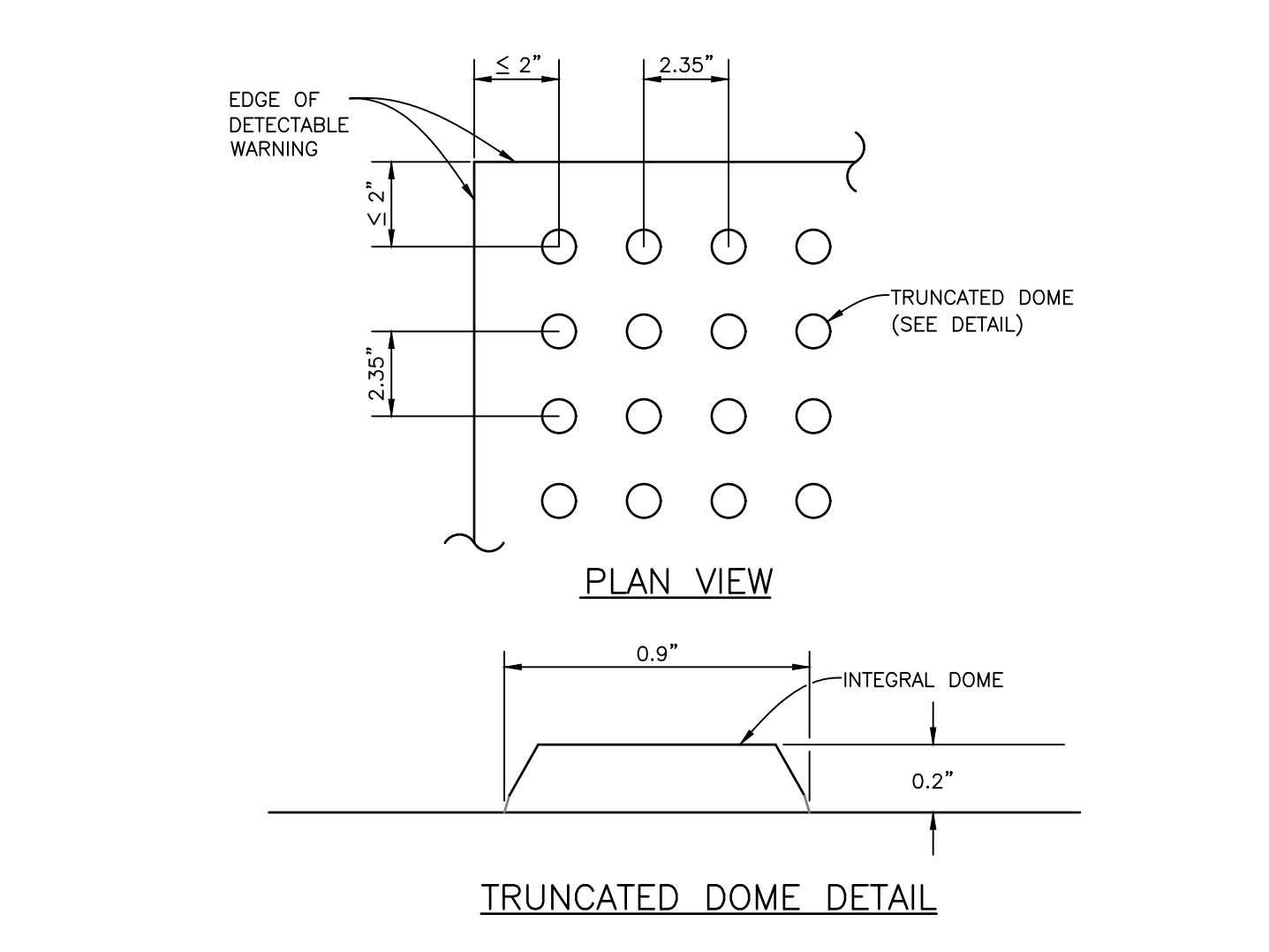


REV	NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:
2	1	UPDATE TYPICAL STOP SIGN DETAIL	10/18/18	KG/101511	RGS/89561	
1	1	UPDATE TYPICAL SHELL PARKING DETAIL	8/27/18	KG/101511	RGS/89561	

ACTIVITY	INITIALS/EMP. NO.	DATE
DESIGNED BY:		
DRAWN BY:		
CHECKED BY:		
CONTRACT ADMIN. BY:		
WM APPROVED BY:		



- SIDEWALK NOTES:**
1. CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH
OF 3000 P.S.I. IN 28 DAYS UNLESS OTHERWISE NOTED.
 2. CONTRACTION JOINTS SHALL BE SAW CUT TO A 1 1/2"
DEPTH AT INTERVALS EQUAL TO THE WIDTH OF THE
SIDEWALK.
 3. AN EXPANSION JOINT WILL BE PLACED AT THE END
OF ALL RETURNS, AT FIXED OBJECTS (DRIVEWAYS,
CURBS ETC.) AND INTERVALS NOT TO EXCEED 50'
EXPANSION JOINTS SHALL BE CONSTRUCTED WITH
1/2" PREFORMED JOINT FILLER.
 4. ALL SIDEWALKS AND SIDEWALK CROSSINGS SHALL BE
CONSTRUCTED IN ACCORDANCE WITH THE AMERICANS
WITH DISABILITIES ACT (ADA).
- TYPICAL SIDEWALK DETAIL**
(MANAGED)
S-P023(9/3/02)
N.T.S.



NOTES DETECTABLE WARNINGS ON WALKING SURFACES

ALL DETECTABLE WARNINGS SURFACES/TRUNCATED DOMES SHALL BE TOP GUARD - DETECTABLE WARNING SYSTEMS (OPL S527-0043) OR APPROVED ALTERNATE. THE ENTIRE DETECTABLE WARNING SURFACE SHALL BE SEAMLESS (COLOR TO BE DETERMINED BY OWNER).

THE DETECTABLE WARNING SHALL EXTEND THE FULL WIDTH AND DEPTH OF THE CURB RAMP.

DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCH, A HEIGHT OF NOMINAL 0.2 INCH AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCH AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.

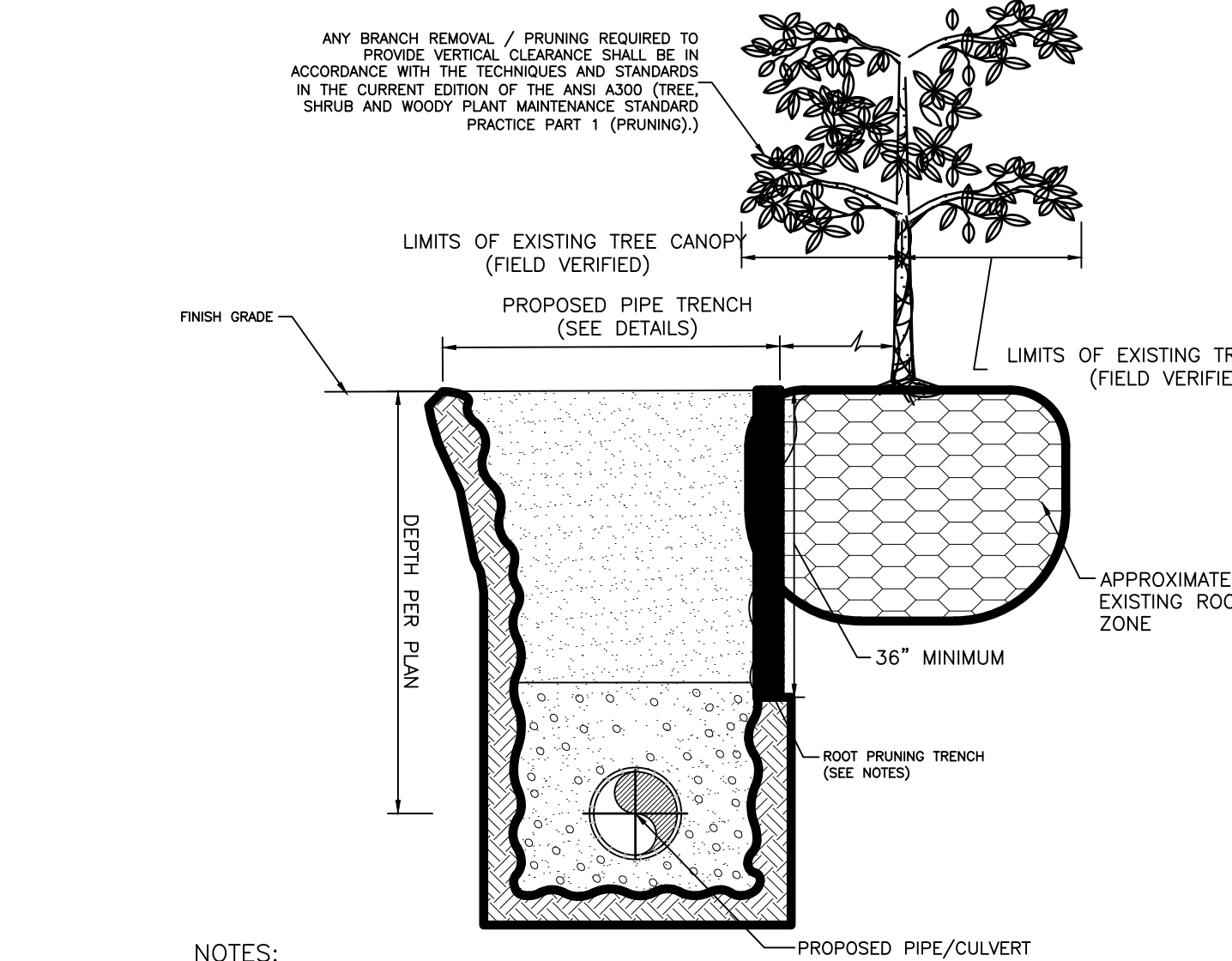
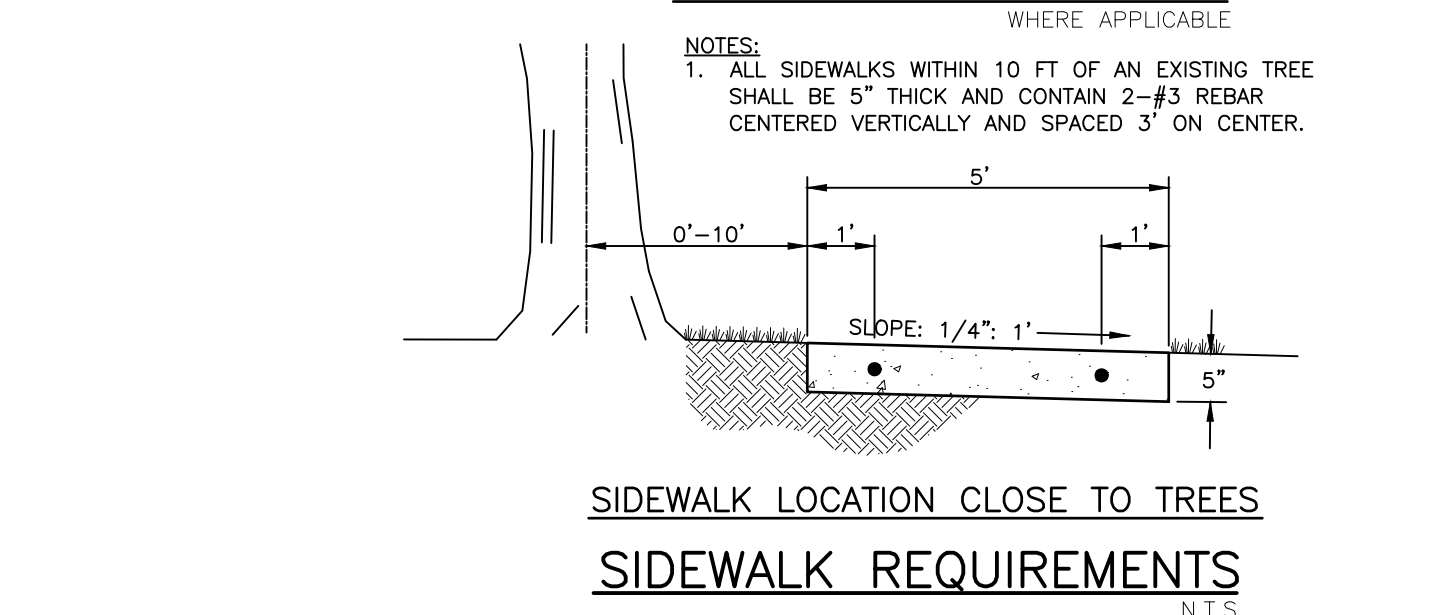
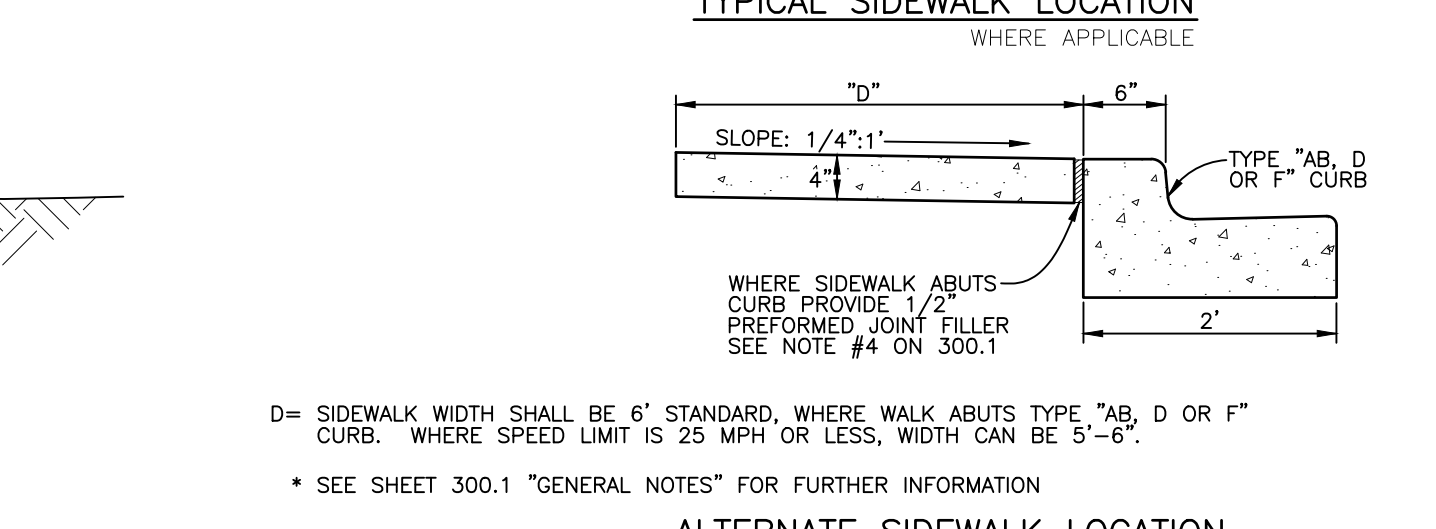
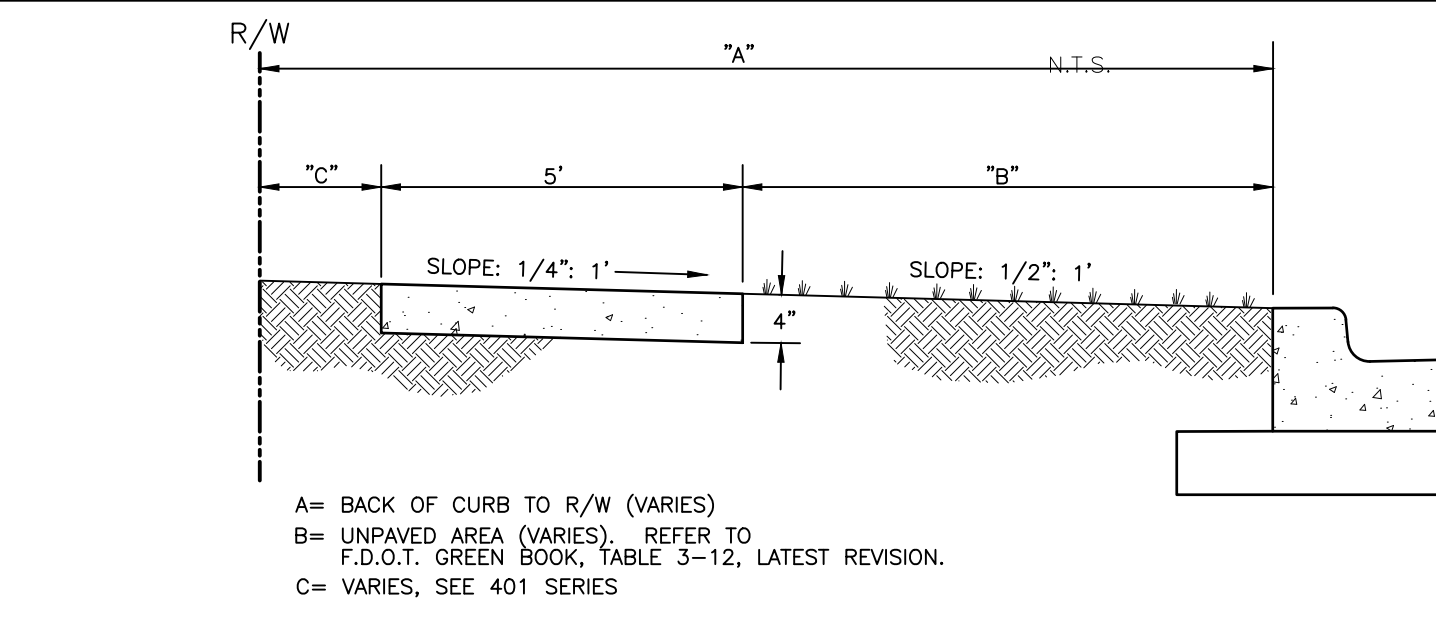
THE MATERIAL USED TO PROVIDE CONTRAST SHALL BE AN INTEGRAL PART OF THE WALKING SURFACE. DETECTABLE WARNINGS USED ON INTERIOR SURFACES SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND-ON-CANE CONTACT.

THE MATERIAL USED TO PROVIDE CONTRAST SHOULD CONTRAST BY AT LEAST 70%. CONTRAST IN PERCENT IS DETERMINED BY:

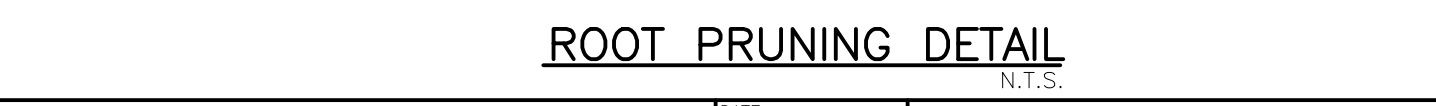
$$\text{CONTRAST} = \frac{[B1 - B2] / B1}{100}$$

WHERE B1 = LIGHT REFLECTANCE VALUE (LRV) OF THE LIGHTER AREA AND B2 = LIGHT REFLECTANCE VALUE (LRV) OF THE DARKER AREA.

NOTE THAT IN ANY APPLICATION BOTH WHITE AND BLACK ARE NEVER ABSOLUTE; THUS, B1 NEVER EQUALS 100 AND B2 IS ALWAYS GREATER THAN 0.



- NOTES:**
1. WHERE PIPE TRENCH EXCAVATION WILL OCCUR INSIDE ROOT ZONE (AS SHOWN) A ROOT PRUNING TRENCH SHALL BE CREATED PRIOR TO EXCAVATION OF THE PIPE TRENCH. ROOT PRUNING TRENCH SHALL BE CONSTRUCTED IN A MANNER SUCH THAT EXISTING ROOTS WILL BE CLEANLY SEVERED TO PRESENT A CLEAN, SMOOTH FACE. NO FRAYED OR SPLIT ROOTS SHALL BE LEFT WITHOUT CORRECTION. PRIOR TO COMMENCEMENT OF ROOT - DISTURBING ACTIVITIES CONTRACTOR SHALL SUBMIT SHOP DRAWINGS DETAILING PROPOSED METHODS AND EQUIPMENT TO BE USED TO THE ENGINEER FOR REVIEW AND APPROVAL. IN NO CASE SHALL EXCAVATION ENCRoACH MORE THAN 1/3 INTO THE EXISTING TREE CANOPY LIMITS. SHEETING (OR EQUIVALENT METHOD) MAY BE REQUIRED TO LIMIT ENCRoACHMENT INTO THE EXISTING TREE CANOPY.
 2. NOTWITHSTANDING THE CONSTRUCTION OF THE ROOT PRUNING TRENCH, ANY ROOTS EXPOSED AND OR DAMAGED DURING CONSTRUCTION SHALL BE TREATED IN THE SAME MANNER AS DESCRIBED ABOVE.
 3. PRIOR TO COMMENCEMENT OF ANY EXCAVATION, CONTRACTOR TO FIELD MARK LOCATIONS OF ROOT PRUNING TRENCHES AND BRANCH PRUNING FOR REVIEW AND APPROVAL BY ENGINEER.
 4. TREE ROOTS EXPOSED DURING CONSTRUCTION SHALL HAVE A SUITABLE BROAD SPECTRUM FUNGICIDE APPLIED SUCH AS "SUBDUE MAXX" (Mefenoxam) OR APPROVED EQUAL. THIS APPLICATION SHALL BE APPLIED AT LABELED RATES AND ACCORDING TO LABELED DIRECTIONS PRIOR TO THE INTRODUCTION OF ANY BACKFILL.
 5. ENGINEER TO REVIEW COMPLETED ROOT PRUNING TRENCH PRIOR TO BACKFILLING.
 6. UPON COMPLETION OF ROOT PRUNING AND GRADING, PHC INJECTABLE FOR TREES TO BE SOIL INJECTED AT LABELED RATES AND ACCORDING TO LABELED DIRECTIONS WITHIN ENTIRE CANOPY AREA OF ANY TREE WHERE ROOT PRUNING HAS BEEN COMPLETED.



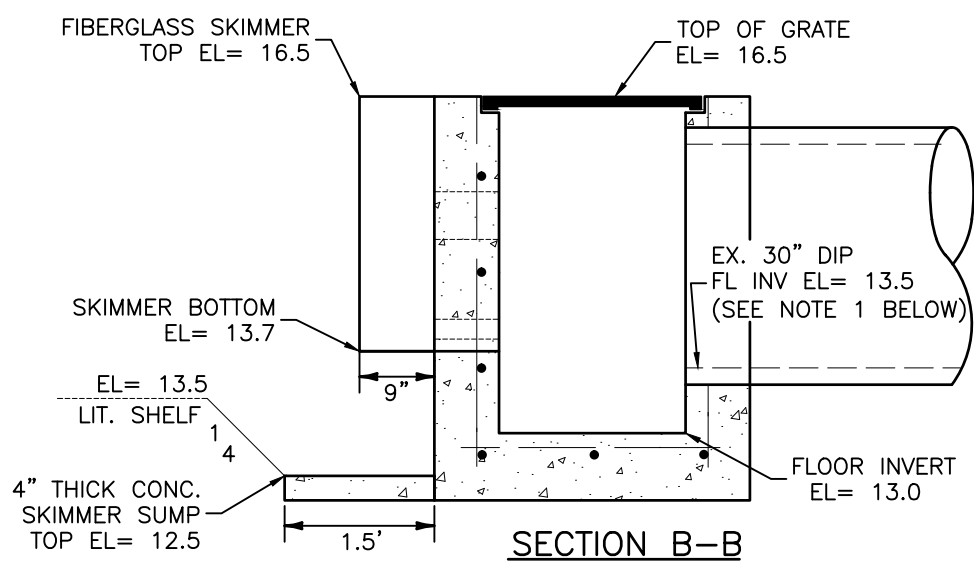
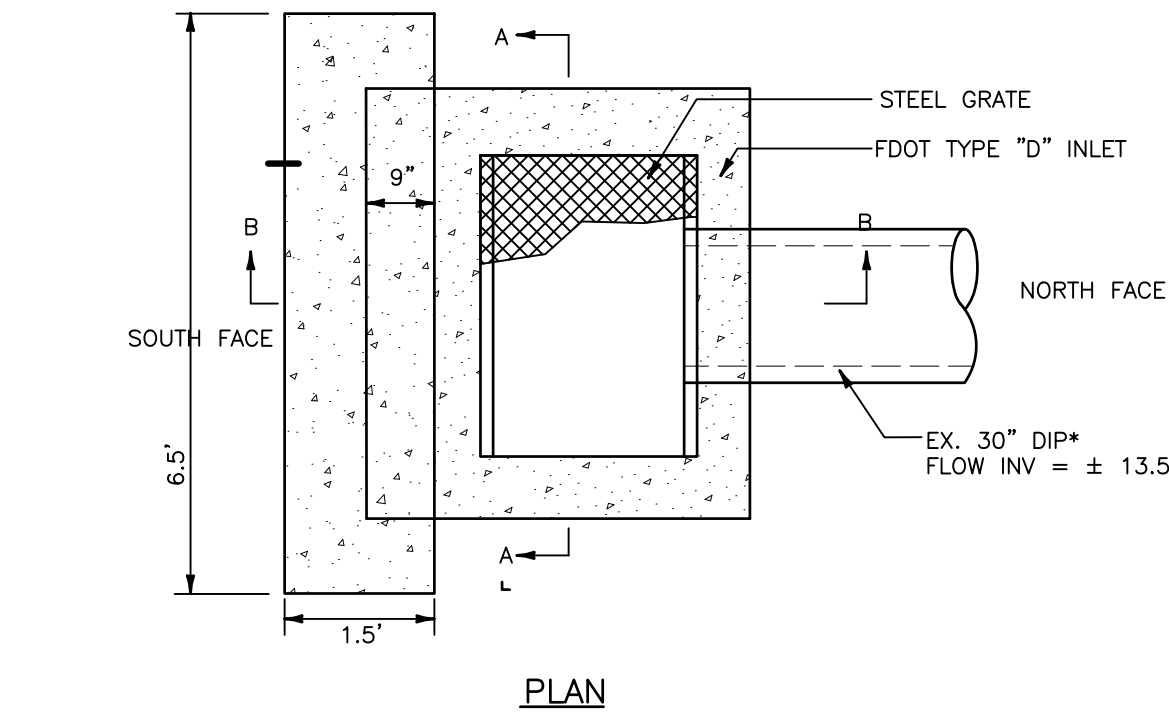
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CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS
PROJECT:	WASHINGTON PARK PRESERVE PHASE I

DATE:	JULY 2019	TITLE:	CONSTRUCTION DETAILS
HORIZONTAL SCALE:		INDEX NUMBER:	
VERTICAL SCALE:		SHEET NUMBER:	20 OF 28
SEC:	12	TWP:	34S
RGE:	17E	CROSS REFERENCE FILE NO.:	
PROJECT NUMBER:	177310895		

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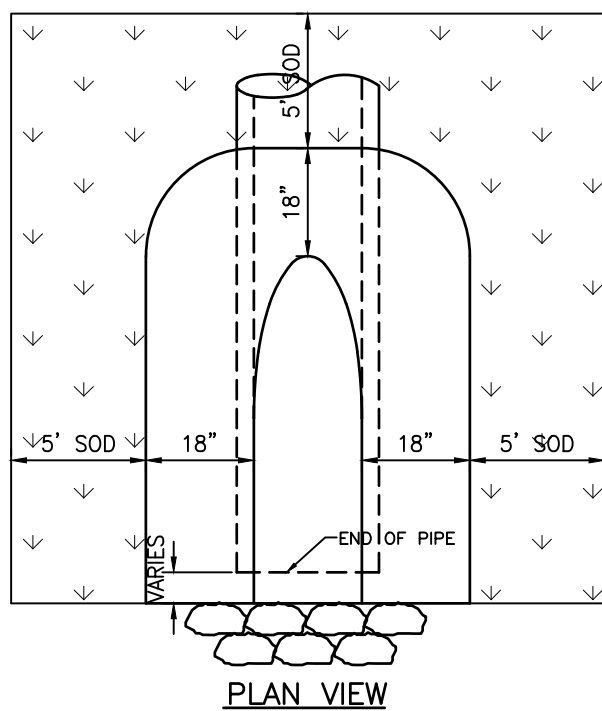
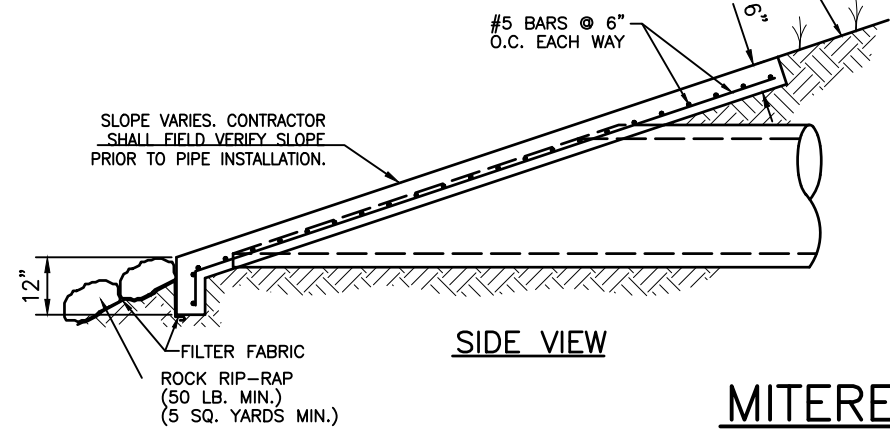
NOTES:

1. EXISTING 30" DUCTILE IRON PIPE (DIP) IS TO BE FIELD CUT AT LOCATION SHOWN FOR STRUCTURE CS-1. THIS EXISTING PIPE IS TO BE USED AS THE DISCHARGE PIPE FOR STR CS-1.

F.D.O.T. TYPE "D" CONTROL STRUCTURE - CS-1
N.T.S.

NOTES:

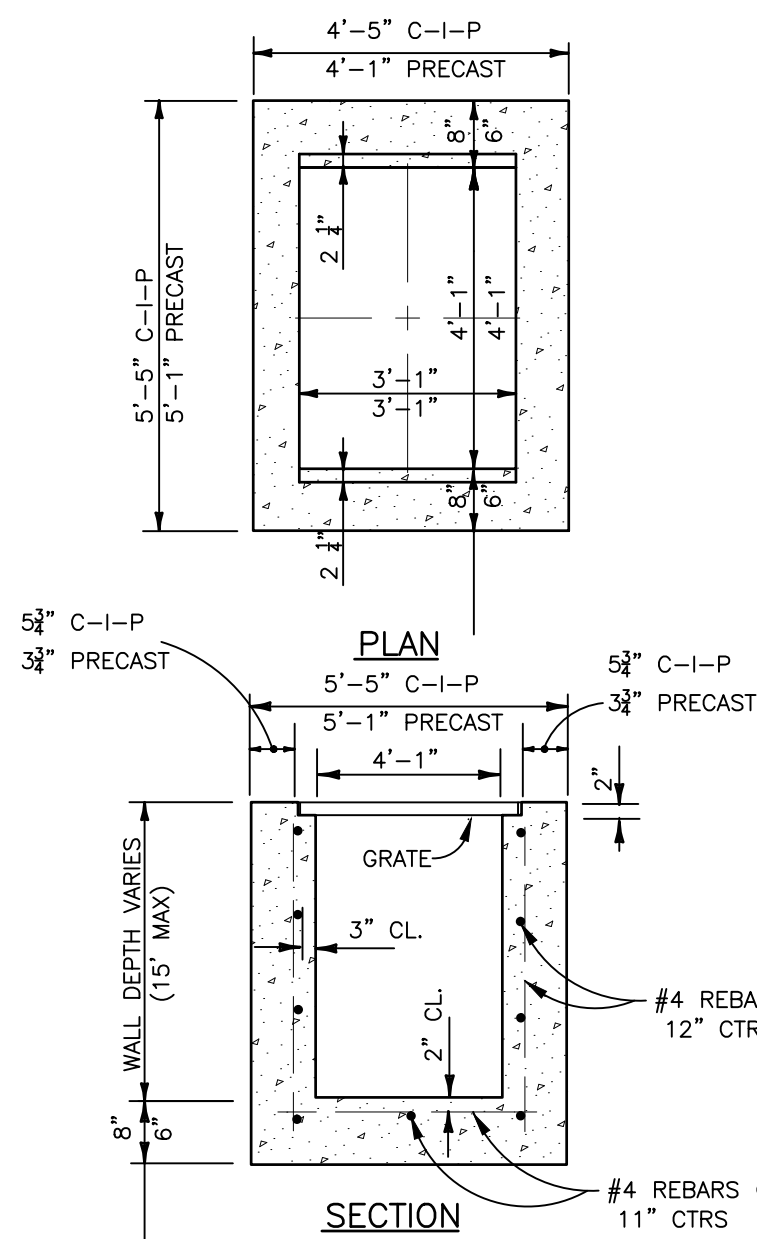
1. CONCRETE SHALL BE 3000 P.S.I. @ 28 DAYS
2. CHAMFER ALL EXPOSED EDGES 3/4".
3. RIP-RAP SHALL BE SUPPLIED AND CONSTRUCTED AS DEFINED IN THE F.D.O.T. SPECIFICATIONS SEC. 530, "RIP-RAP", SPECIFICALLY SEC. 530-3.1 OR SEC. 530-3.3 "CONSTRUCTION METHODS" 5 SY. RIP-RAP AND FILTER CLOTH TO BE INCLUDED IN THE UNIT PRICE OF THE MITERED END SECTION. IF ADDITIONAL RIP-RAP (> 5 SY.) IS REQUIRED AND DIRECTED, IT SHALL BE PAID FOR ON PER YARD BASIS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
4. FILTER FABRIC SHALL BE SUPPLIED AND CONSTRUCTED AS DEFINED IN THE F.D.O.T. SPECIFICATIONS SEC. 514, PLASTIC FILTER FABRIC, SPECIFICALLY SEC. 514-3.4 RIPRAP, INCLUDED IN UNIT COST OF MITERED END SECTION.



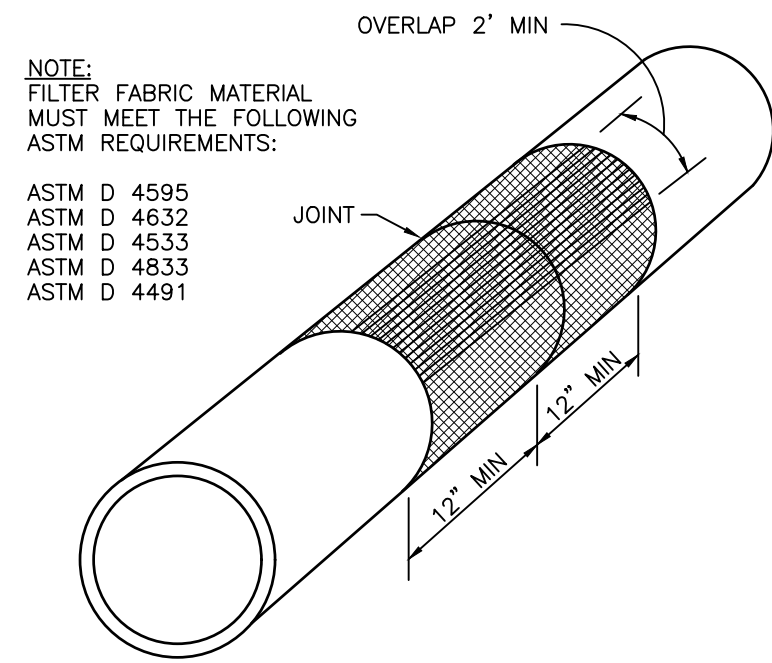
MITERED END SECTION
S-0022 N.T.S.

GENERAL DRAINAGE STRUCTURE NOTES:

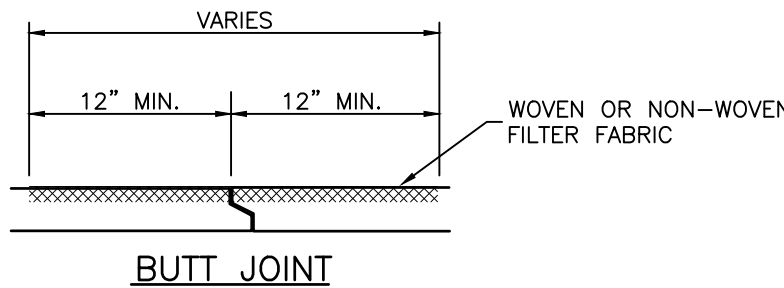
1. UNLESS OTHERWISE NOTED, ALL DRAINAGE STRUCTURES SHALL BE DESIGNED TO MEET FDOT DESIGN STANDARDS/SPECIFICATIONS.
2. ALL STEEL FRAMES AND GRATES SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION.
3. THE PRE-CASTER SHALL PROVIDE A LETTER WITH EACH SHOP DRAWING SUBMITTAL STATING THAT THE PRE-CAST STRUCTURES MEET OR EXCEED FDOT DESIGN STANDARDS/ SPECIFICATIONS.
4. FILTER FABRIC WRAP SHALL BE PLACED ON THE GROUTED PIPE TO STRUCTURE JOINT PER FDOT INDEX 201.
5. ALL DRAINAGE STRUCTURES SHALL HAVE CONCRETE POURED INVERTS PER FDOT INDEX 201.



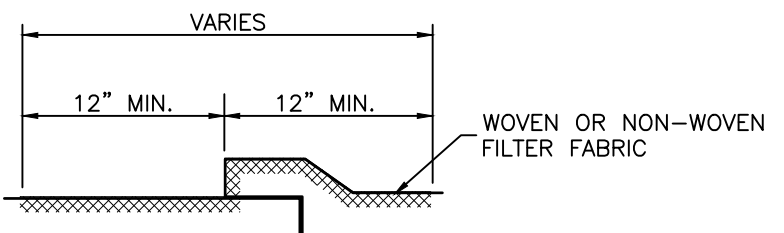
F.D.O.T. TYPE "C" INLET TYPICAL DETAIL
S-D048(04/09/04) N.T.S.



ISOMETRIC VIEW



BUTT JOINT



BELL JOINT

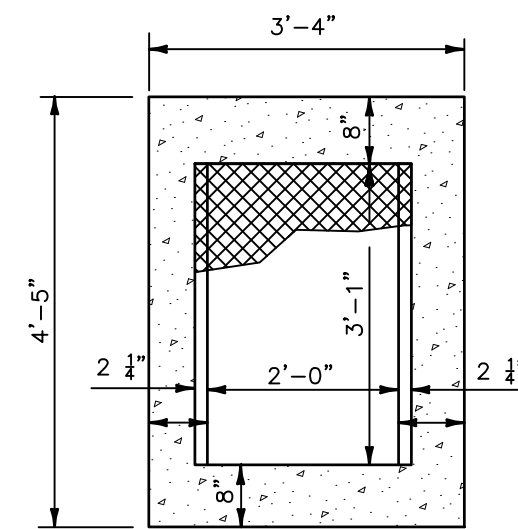
NOTES:

1. CENTER FILTER FABRIC ON PIPE JOINT.
2. FILTER FABRIC TO OVERLAP A MIN. OF ONE FOOT.
3. PRICE OF FILTER FABRIC JACKET TO BE INCLUDED IN PRICE OF PIPE.
4. CONTRACTOR SHALL UTILIZE SECURING DEVICES TO WRAP AROUND THE PIPE AND HOLD THE FILTER FABRIC JACKET IN PLACE.

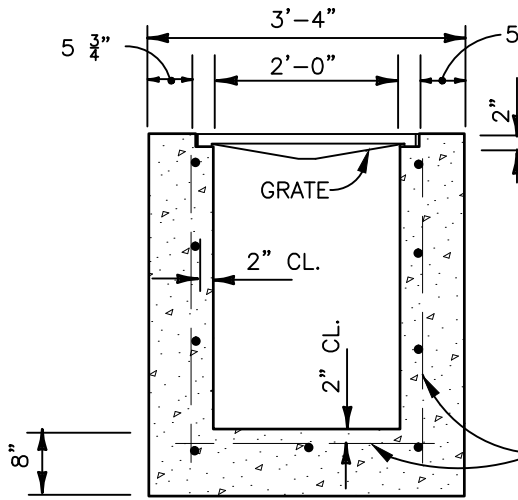
FILTER FABRIC JACKET
(09/04/07) N.T.S.
(MANATEE)

NOTES:

1. INLET SHALL HAVE 3" DIA. HOLE AT THE BOTTOM OF THE BOX CLEAR OF THE PIPE CONSTRUCTION, TO BE PLUGGED WHEN CONCRETE INVERT FORMED.
2. U.S.F. GRATE NO. 6607 (STEEL)
3. FRAME & GRATE SHALL BE OF STEEL CONSTRUCTION COATED WITH 2 APPLICATIONS OF BLACK ENAMEL, 4.0 MILS DRY FILM THICKNESS EACH COAT, 8 MILS TOTAL COATING SHALL MEET OR EXCEED FDOT SPECIFICATION 971-8. CONTRACTOR SHALL APPLY ONE FIELD COAT TO ANY BARE AREAS AS DETERMINED BY ENGINEER.
4. 3/4" CHAMFER ALL EXPOSED EDGES.
5. 3000 PSI CONCRETE @ 28 DAYS SHALL BE USED THROUGHOUT.
6. POURED CONCRETE INVERT AFTER INLET & PIPE PLACED IN GROUND, 3000 PSI @ 28 DAYS.
7. REINFORCING STEEL SHALL BE INTERMEDIATE GRADE BILLET WITH DEFORMATIONS CONFORMING TO ASTM A-615-76A. ALL STEEL SHALL BE 2" CLEAR UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE SKIMMER ASSEMBLY, FOR APPROVAL, PRIOR TO CONSTRUCTION.



PLAN

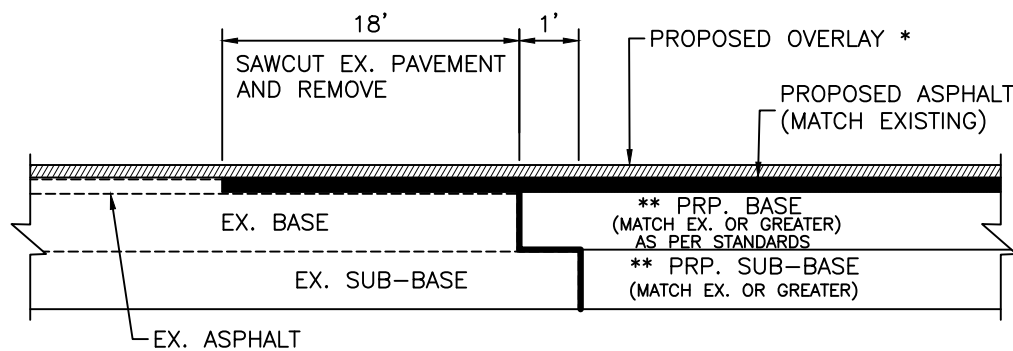


SECTION

F.D.O.T. TYPE "C" INLET TYPICAL DETAIL
S-D048(04/09/04) N.T.S.

NOTES:

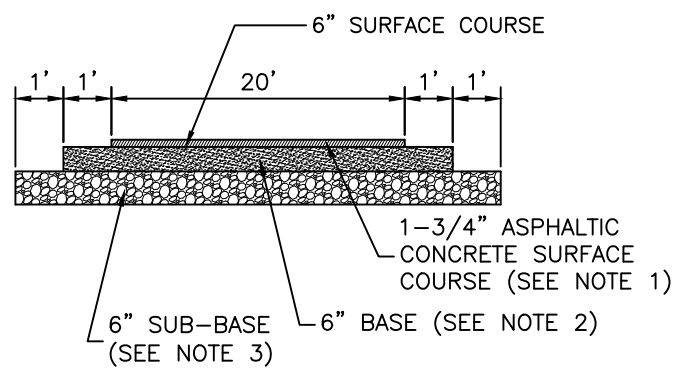
1. INLET SHALL HAVE 3" DIA. HOLE AT THE BOTTOM OF THE BOX CLEAR OF THE PIPE CONSTRUCTION, TO BE PLUGGED WHEN CONCRETE INVERT FORMED.
2. U.S.F. GRATE NO. 6606 (STEEL)
3. FRAME & GRATE SHALL BE OF STEEL CONSTRUCTION COATED WITH 2 APPLICATIONS OF BLACK ENAMEL, 4.0 MILS DRY FILM THICKNESS EACH COAT, 8 MILS TOTAL COATING SHALL MEET OR EXCEED FDOT SPECIFICATION 971-8. CONTRACTOR SHALL APPLY ONE FIELD COAT TO ANY BARE AREAS AS DETERMINED BY ENGINEER.
4. 3/4" CHAMFER ALL EXPOSED EDGES.
5. 3000 PSI CONCRETE @ 28 DAYS SHALL BE USED THROUGHOUT.
6. POURED CONCRETE INVERT AFTER INLET & PIPE PLACED IN GROUND, 3000 PSI @ 28 DAYS.
7. REINFORCING STEEL SHALL BE INTERMEDIATE GRADE BILLET WITH DEFORMATIONS CONFORMING TO ASTM A-615-76A. ALL STEEL SHALL BE 2" CLEAR UNLESS OTHERWISE NOTED.
8. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE SKIMMER ASSEMBLY, FOR APPROVAL, PRIOR TO CONSTRUCTION.



NOTES:

1. * - LIMITS OF OVERLAY, EDGE OF PAVEMENT TO TEDG OF PAVEMENT AND 25' BEYOND LIMITS OF CONSTRUCTION.
2. ** - CONNECTION TO OLDER (SUBSTANDARD THICKNESS) ROADS MAY REQUIRE THICKER PROPOSED BASE AND SUB-BASE TO MEET CURRENT STANDARDS.
3. SEE CONSTRUCTION PLAN FOR SIGNAGE AND MARKING.

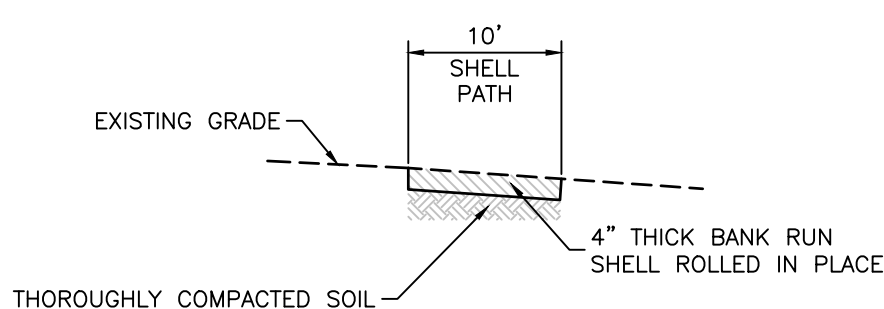
ROAD CONNECTION DETAIL
N.T.S.



NOTE:

1. *-SEE GRADING & DRAINAGE PLAN SHEETS FOR GRADES AND DIMENSIONS.

TYPICAL SWALE SECTION
N.T.S.



NOTE:

1. SLOPES SHALL BE ADA COMPLIANT, RUNNING SLOPES SHALL BE LESS THAN 5% AND CROSS SLOPES LESS THAN 2%.

TYPICAL SHELL PATH DETAIL
N.T.S.

NOTES:

1. ASPHALTIC CONCRETE SURFACE COURSE SHALL BE LAYED IN TWO LIFTS. FIRST LIFT SHALL BE 1" TYPE S-I OR S-III. SECOND LIFT SHALL BE 3/4" TYPE S-III. A PERFORMANCE BOND SHALL BE REQUIRED IF SECOND LIFT IS DELAYED BEYOND ACCEPTANCE OF ROAD.
2. BASE COURSE SHALL CONSIST OF 4-1/2" COMPACTED SAND ASPHALT BASE (1200 LBS. STAB.) OR 6" CALOOSCHATCHEE SHELL COMPACTED TO 98% AASHTO T-180 OR 6" SOIL CEMENT. (OR APPROVED EQUAL, MEETING SAME STRUCTURAL NUMBER.)
3. 6" STABILIZED SUB-BASE SHALL CONSIST OF SHELL MARL BLENDED WITH SANDY SUB-GRADE MINIMUM LBR 40, 98% AASHTO T-180.
4. NO PORTION OF DRAINAGE PIPE SHALL BE ALLOWED IN SUB-BASE. 12" MINIMUM COVER IS REQUIRED ON STORM DRAIN.
5. LABORATORY TESTS ARE REQUIRED TO SUBSTANTIATE STRUCTURAL SECTION DESIGN. SPECIFICATIONS SHOWN ON THIS SHEET ARE MINIMUM REQUIREMENTS.

OFFSITE ROAD PAVEMENT SECTION
N.T.S.

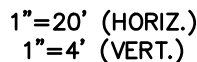
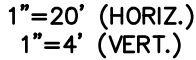
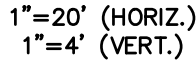
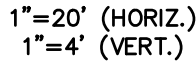
REV	NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:	ACTIVITY	INITIALS/EMP. NO.	DATE
1	ADD ROAD CONNECTION DETAIL, OFFSITE ROAD PAVEMENT SECTION	10/18/18	KG/101511	RGS/89561			DESIGNED BY:		
1	ADD TYPICAL SHELL PATH DETAIL, ADD 100YR DHWL	8/27/18	KG/101511	RGS/89561			DRAWN BY:		
							CHECKED BY:		
							CONTRACT ADMIN. BY:		
							WM APPROVED BY:		

**Stantec**
6900 Professional Parkway East, Suite 200, St. Petersburg, FL 33736-9414
Phone: 941-907-6900 • Fax: 941-907-6910
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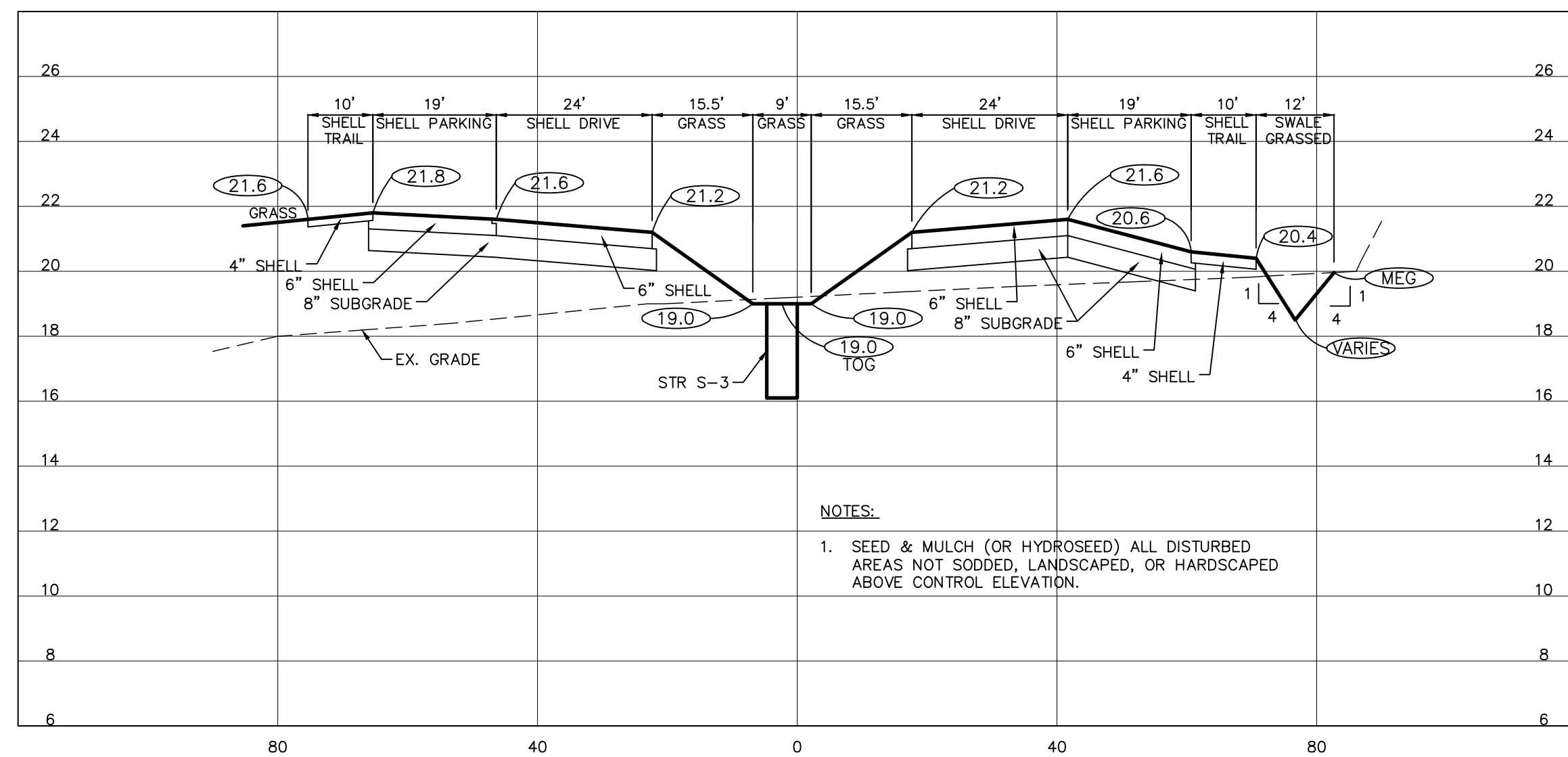
The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Contractor shall be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Contractor shall be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.

CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS	DATE:	JULY 2019	TITLE:	CONSTRUCTION DETAILS	R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 INDEX NUMBER:
PROJECT:	WASHINGTON PARK PRESERVE PHASE I	VERTICAL SCALE:		CROSS REFERENCE FILE NO.:		SHEET NUMBER:
SEC:	TWP:	RGE:	12	34S	17E	177310895

21 OF 28

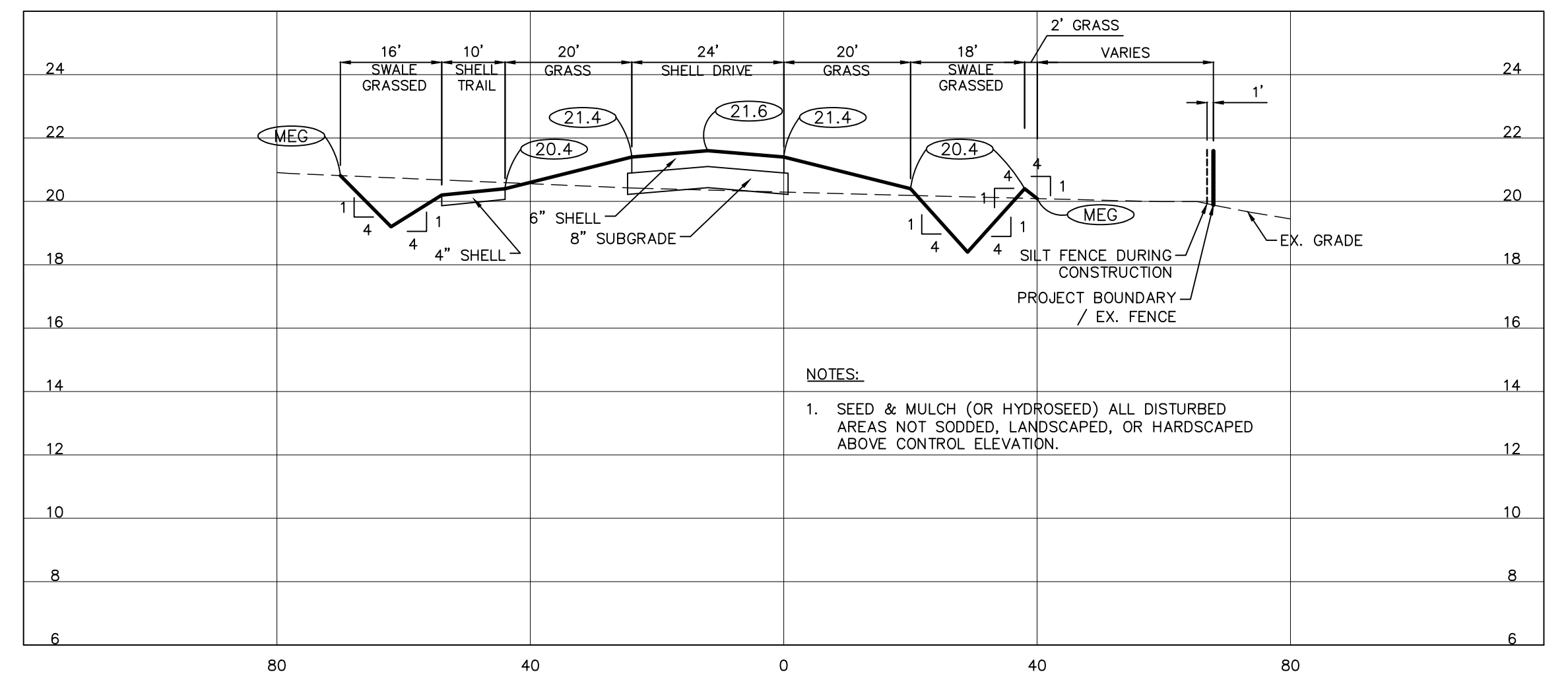


DATE: JULY 2019	TITLE: SECTIONS AND DETAILS		P. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374
HORIZONTAL SCALE:			INDEX NUMBER:
VERTICAL SCALE:			
SEC. TWP. RGE: 12 34S 17E	CROSS REFERENCE FILE NO.:	PROJECT NUMBER: 177310895	SHEET NUMBER: 22 OF 28



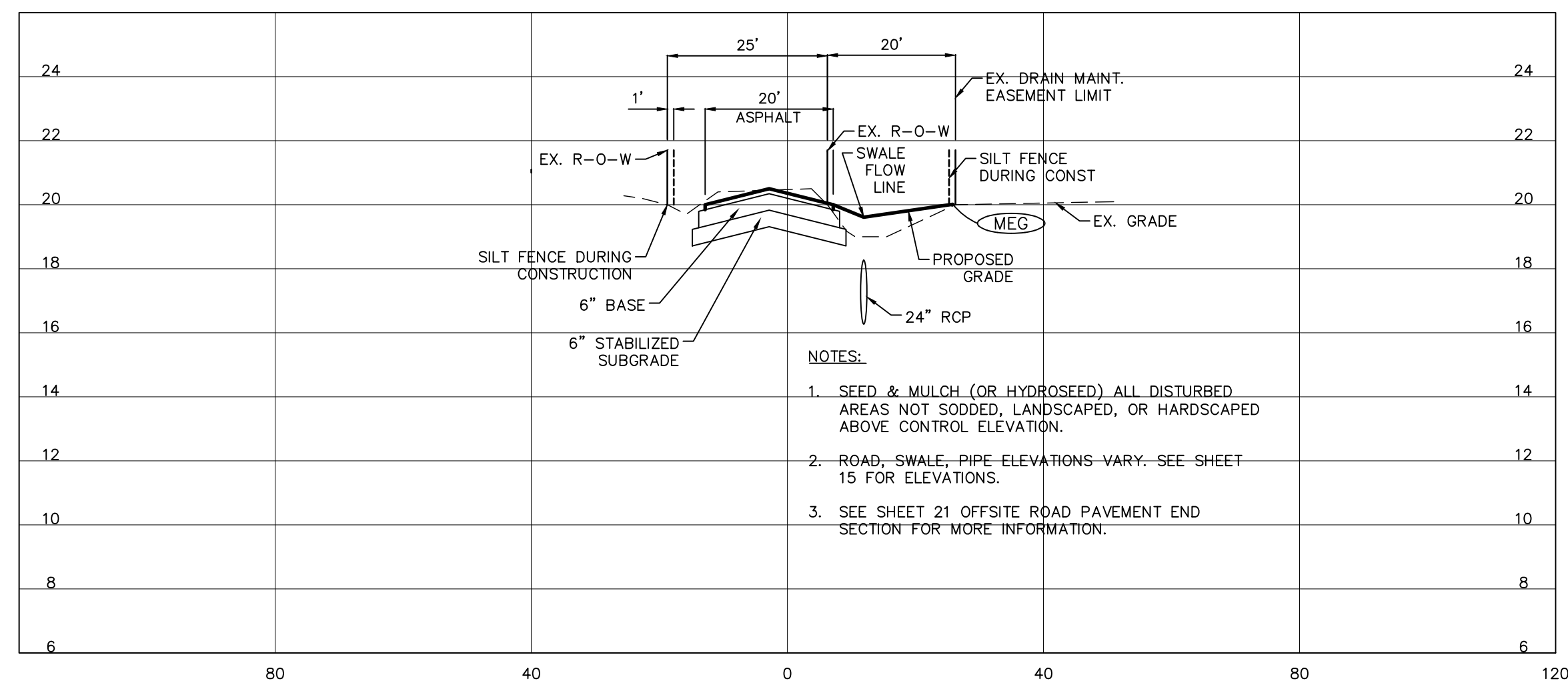
E-E PARKING LOOP SECTION

1"=20' (HORIZ.)
1"=4' (VERT.)



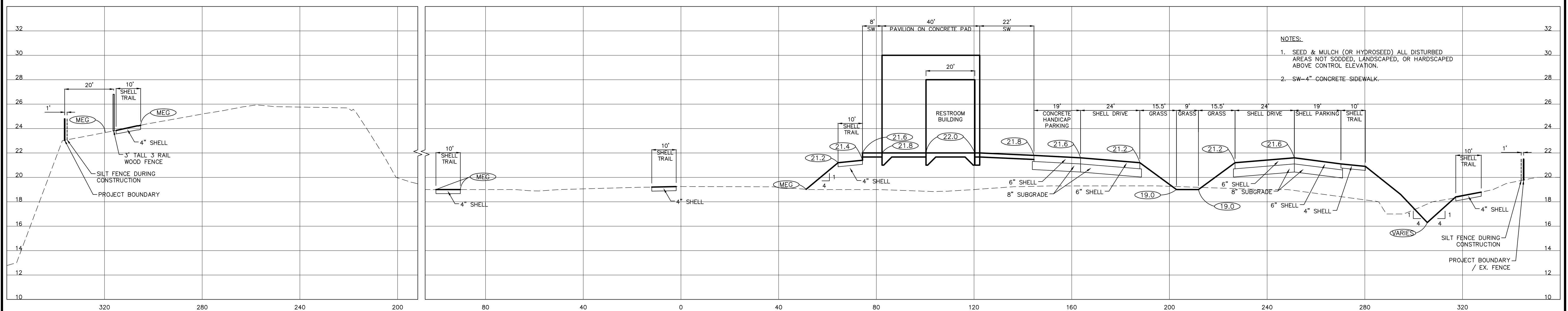
F-F ONSITE DRIVEWAY SECTION

1"=20' (HORIZ.)
1"=4' (VERT.)



G-G 8TH AVENUE EAST

1"=20' (HORIZ.)
1"=4' (VERT.)



H-H TYPICAL PROJECT FACILITIES NORTH-SOUTH SECTION

						ACTIVITY		INITIALS/EMP. NO.		DATE	
						DESIGNED BY:					
						DRAWN BY:					
2		REVISE SECTION H-H FENCE LOCATION, REVISE SECTION G-G ASPHALT ROADWAY		10/18/18		KG/101511		RQS/89561		CHECKED BY:	
1		ADD SECTION H-H, REVISE ELEV, REVISE NOTE, REVISE SECTION		8/27/18		KG/101511		RQS/89561		CONTRACT ADMIN. BY:	
Δ REV. NO.		REVISION		DATE		DRAWN BY / EMP. NO.		CHECKED BY / EMP. NO.		IWM APPROVED BY:	



Stantec

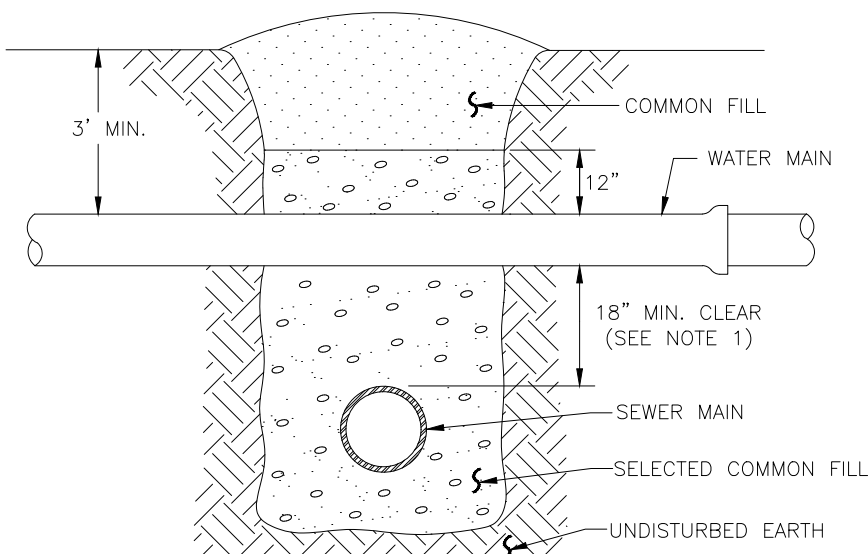
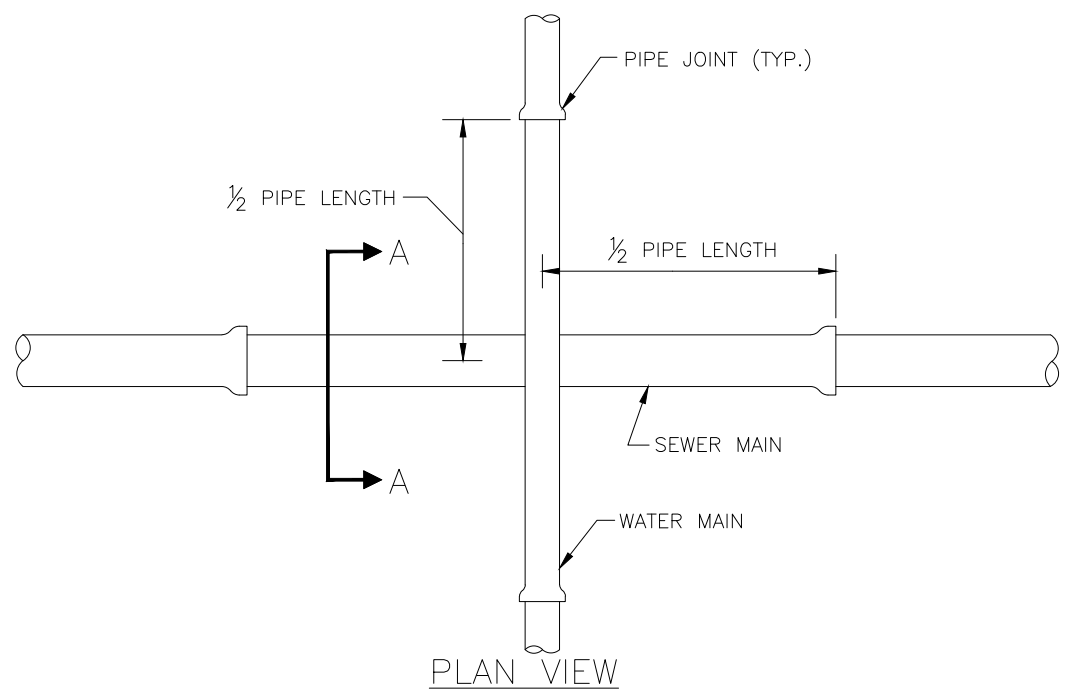
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CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS		DATE: JULY 2019	TITLE: SECTIONS AND DETAILS	R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 INDEX NUMBER:	
PROJECT: WASHINGTON PARK PRESERVE PHASE I		HORIZONTAL SCALE:			
		VERTICAL SCALE:			
SEC:	TWP:	RGE:	CROSS REFERENCE FILE NO.:	PROJECT NUMBER:	SHEET NUMBER:
12	34S	17E		177310895	23 OF 28



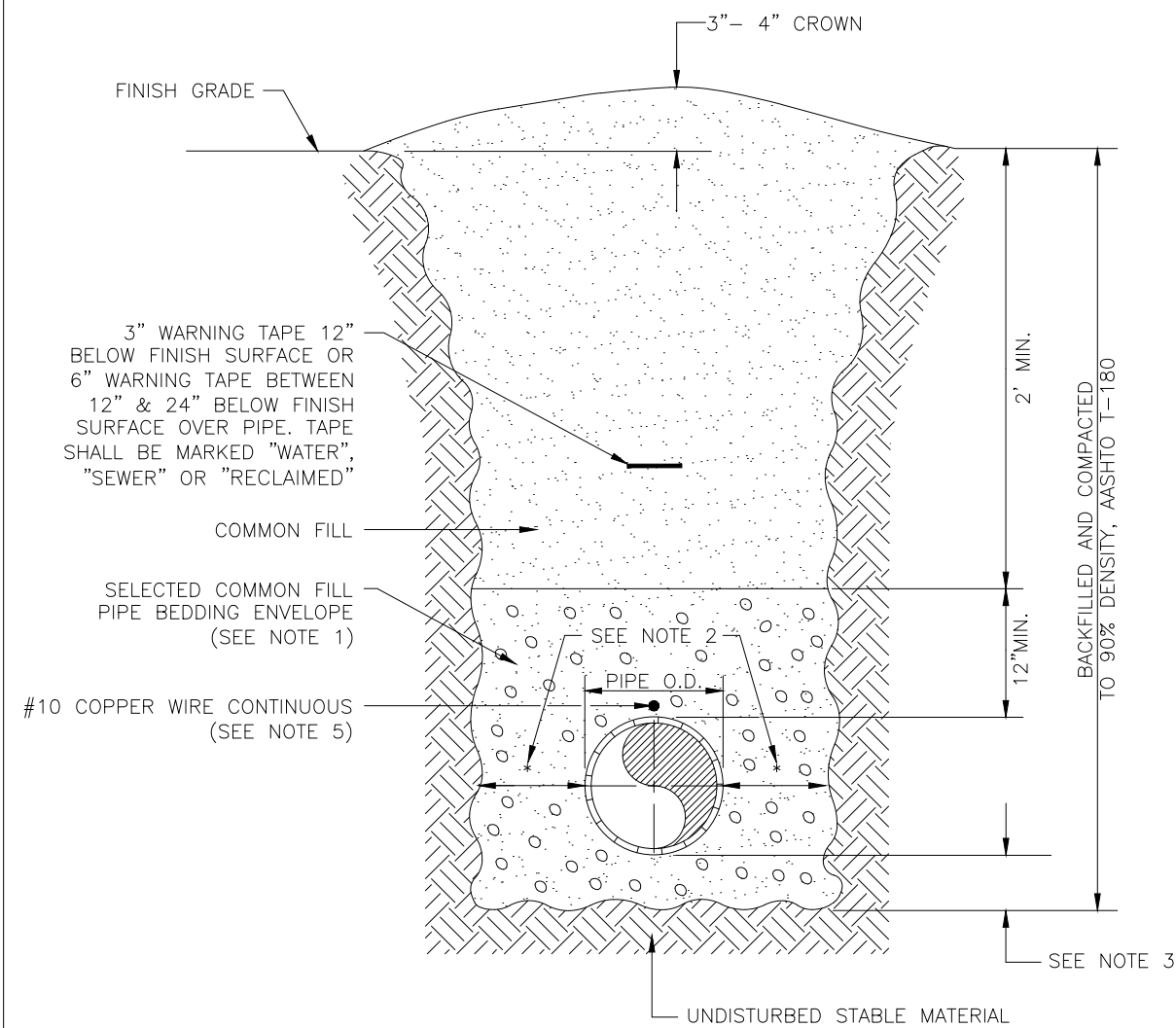
NOTES:

- CLEARANCE MAY BE REDUCED TO 6" FOR GRAVITY SEWER WHERE WATER MAIN IS DUCTILE IRON OR 3" FOR FORCE MAIN WHERE FORCE MAIN IS ENCASED A MINIMUM OF 10' EACH SIDE OF CROSSING.
- WHERE NO ENCASEMENT IS REQUIRED, PIPE SECTIONS SHALL BE FULL-LENGTH AND SHALL BE ADJUSTED HORIZONTALLY SO THAT THE CROSSING IS AT EACH PIPE SECTION'S MIDPOINT REGARDLESS OF THE VERTICAL CLEARANCE.
- REFER TO THE **JACK & BORE CROSSING** DETAIL FOR CASING AND SPACER REQUIREMENTS.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT			TYPICAL NEW WATER & SEWER LINE CROSSING	UG-2
REV. BY	DATE			
CLB/BR	11/10			
		MAY 10, 2011		
		DATE OF APPROVAL		PAGE 102

NOTES:

- USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- PROVIDE ADEQUATE CLEARANCE TO PLACE AND COMPACT STAGE 1 BEDDING MATERIAL IN TRENCH AREA BELOW PIPE SPRINGLINE. PIPE EMBEDMENT MUST BE COMPACTED OUT TO THE TRENCH WALL OR 2.5 TIMES THE PIPE OD, WHICHEVER IS LESS.
- TYPICALLY 4" TO 6".
- PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- TRACER WIRE NOT REQUIRED FOR GRAVITY SEWERS.



MANATEE COUNTY PUBLIC WORKS DEPARTMENT			TRENCH WITH UNIMPROVED SURFACE TYPE A-1 PIPE BEDDING	UG-11
REV. BY	DATE			
WRT/KE	03/11			
		MAY 10, 2011		
		DATE OF APPROVAL		PAGE 111

REQUIRED LENGTH OF RESTRAINED JOINT PIPE
FOR DR-18 PVC PIPE

MAIN PIPE SIZE	HORIZ. BENDS			TEES		REDUCERS		PLUGS & VALVES
	90°	45°	22.5°	SIZE	LENGTH	SIZE	LENGTH	
24	90	38	18	X24	189	X16	117	214
20	78	32	16	X20	141	X12	83	184
16	66	27	13	X16	111	X10	67	151
12	52	22	10	X12	83	X8	51	118
10	44	18	9	X10	63	X6	41	100
8	37	15	7	X8	49	X4	31	83
6	29	12	6	X6	29	X4	23	63
4	21	8	4	X4	12			45

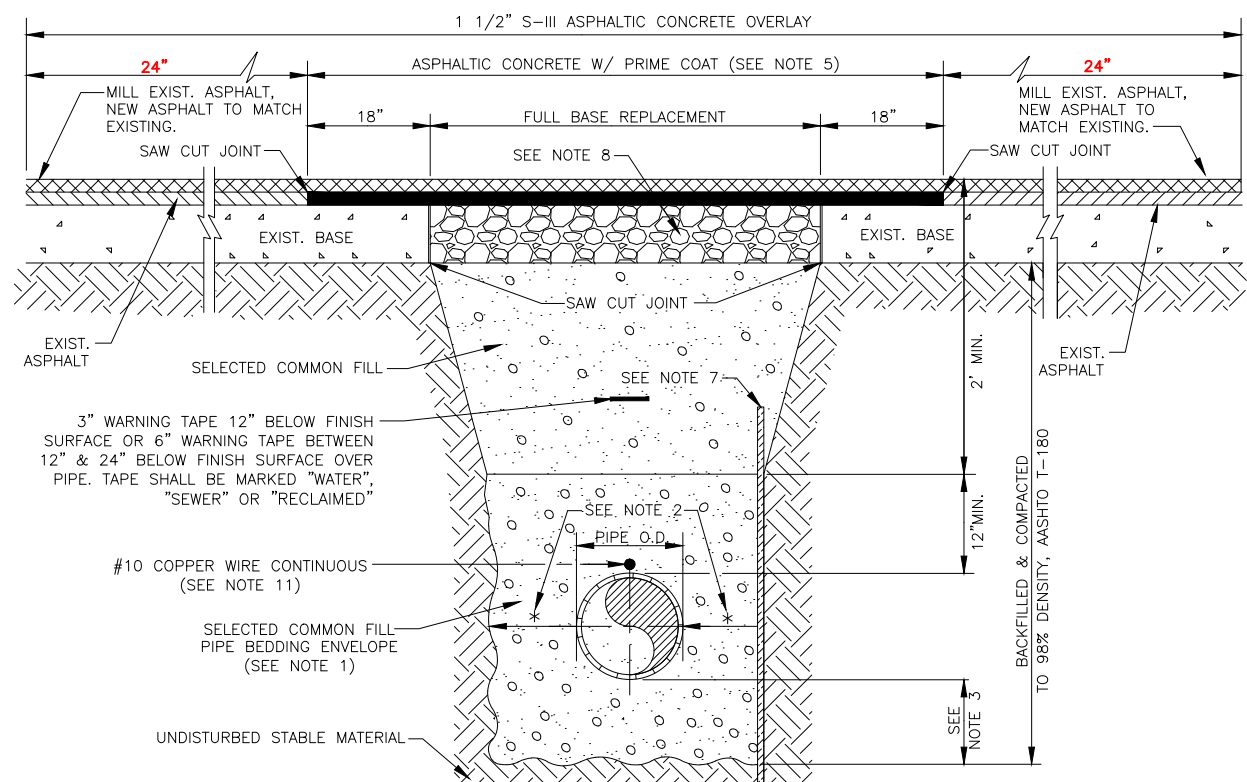
NOTES:

- RESTRAIN 11.25° BENDS 50% OF LENGTH FOR 22.5° BENDS.
- ALL VALVES AND FITTINGS SHALL BE RESTRAINED TO THE CONNECTING SECTIONS OF PIPE.
- ALL ISOLATION VALVES MUST BE PROPERLY ANCHORED OR RESTRAINED TO RESIST A 180 PSI TEST PRESSURE IN EITHER DIRECTION.
- PIPE SIZES ARE GIVEN IN INCHES.
- RESTRAINED PIPE LENGTHS ARE GIVEN IN FEET.
- LENGTHS SHOWN ARE FOR A TEST PRESSURE OF 180 PSI.
- THE RESTRAINED LENGTHS SHOWN IN THESE TABLES ARE BASED ON SOIL CLASSIFICATION SP WITH AWWA TYPE 3 TRENCH CONDITIONS, 180 PSI TEST PRESSURE, 3 FEET OF COVER AND 1.5 FACTOR OF SAFETY. ACTUAL BURY CONDITIONS MUST BE DETERMINED BY THE ENGINEER OF RECORD AND THE RESTRAINED LENGTHS MODIFIED ACCORDINGLY.
- RESTRAINED LENGTHS TO BE APPLIED TO PIPELINES PER DETAIL **RESTRAINED LENGTHS FOR PIPE**.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT			RESTRAINED LENGTHS FOR PVC PIPE	UG-8
REV. BY	DATE			
CLB/BR	11/10			
		MAY 10, 2011		
		DATE OF APPROVAL		PAGE 108

NOTES:

- USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- PROVIDE ADEQUATE CLEARANCE TO PLACE AND COMPACT STAGE 1 BEDDING MATERIAL IN TRENCH AREA BELOW PIPE SPRINGLINE. PIPE EMBEDMENT MUST BE COMPACTED OUT TO THE TRENCH WALL OR 2.5 TIMES THE PIPE OD, WHICHEVER IS LESS.
- TYPICALLY 4" TO 6".
- PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- ASPHALTIC CONCRETE STRUCTURE COURSE WITH PRIME COAT SHALL BE THE SAME DEPTH AND TYPE AS EXISTING OR A MINIMUM OF 1 1/4 INCH, WHICHEVER IS GREATER.
- MILL 24" BACK FROM TRENCH SAW CUT OR **AS SHOWN ON THE PROJECT PLANS (WHICHEVER IS GREATER)**. ADJUST MILLING PER INDIVIDUAL SITE TO NOT IMPACT BASE. BUTT JOINT TO EXIST ASPHALT. FINAL OVERLAY LIMITS ARE FROM EDGE OF PAVEMENT TO EDGE OF JOINT. MILLING LIMITS THAT IMPACT INTERSECTION SHALL BE ADDRESSED ON A CASE BY CASE BASIS AND APPROVED BY MANATEE COUNTY.
- SHEETING ORDERED LEFT IN PLACE TO BE CUT OFF 24" BELOW FINISHED GRADE OR 12" BELOW SUBGRADE.
- BASE SHALL BE 8" MINIMUM THICKNESS CRUSHED CONCRETE.
- TEMPORARY PATCHES WILL BE INSTALLED TO PROVIDE A SMOOTH ALL WEATHER SURFACE AT ALL TIMES. PERMANENT REPLACEMENT TO BE MADE AS SOON AS POSSIBLE.
- RESTORE SIGNAGE & MARKING WITH THERMOPLASTIC PER FDOT STANDARDS, LATEST EDITION.
- TRACER WIRE NOT REQUIRED FOR GRAVITY SEWERS.
- NOTES 5, THRU 10, ARE MINIMUM REQUIREMENTS FOR A TRENCH IN A ROAD. REFER TO LATEST EDITION OF MANATEE COUNTY HIGHWAY AND TRAFFIC STANDARDS FOR ADDITIONAL REQUIREMENTS.



TRENCH WITH ASPHALT PAVEMENT SURFACE TYPE
A-1 PIPE BEDDING

REQUIRED LENGTH OF RESTRAINED JOINT PIPE
FOR DIP (POLY-WRAPPED)

MAIN PIPE SIZE	HORIZ. BENDS			TEES		REDUCERS		PLUGS & VALVES
	90°	45°	22.5°	SIZE	LENGTH	SIZE	LENGTH	
36	142	59	28	X36	393	X24	234	453
30	124	51	25	X30	333	X20	191	391
24	106	44	21	X24	270	X16	143	327
20	92	38	18	X20	225	X12	107	280
16	77	32	15	X16	177	X10	85	231
12	61	25	12	X12	127	X8	50	181
10	52	22	10	X10	101	X6	41	153
8	44	18	9	X8	76	X4	30	128
6	34	14	7	X6	46	X4	21	98
4	24	10	5	X4	19			69

REQUIRED LENGTH OF RESTRAINED JOINT PIPE
FOR DIP (NON-WRAPPED)

MAIN PIPE SIZE	HORIZ. BENDS			TEES		REDUCERS		PLUGS & VALVES
	90°	45°	22.5°	SIZE	LENGTH	SIZE	LENGTH	
36	100	42	20	X36	163	X24	95	188
30	88	37	18	X30	136	X20	78	162
24	75	31	15	X24	112	X16	67	135
20	65	27	13	X20	93	X12	59	116
16	54	22	11	X16	73	X10	44	96
12	43	18	8	X12	53	X8	37	75
10	37	15	7	X10	42	X6	26	63
8	30	13	6	X8	32	X4	22	53
6	24	10	5	X6	19	X4	11	41
4	17	7	3	X4	8			29

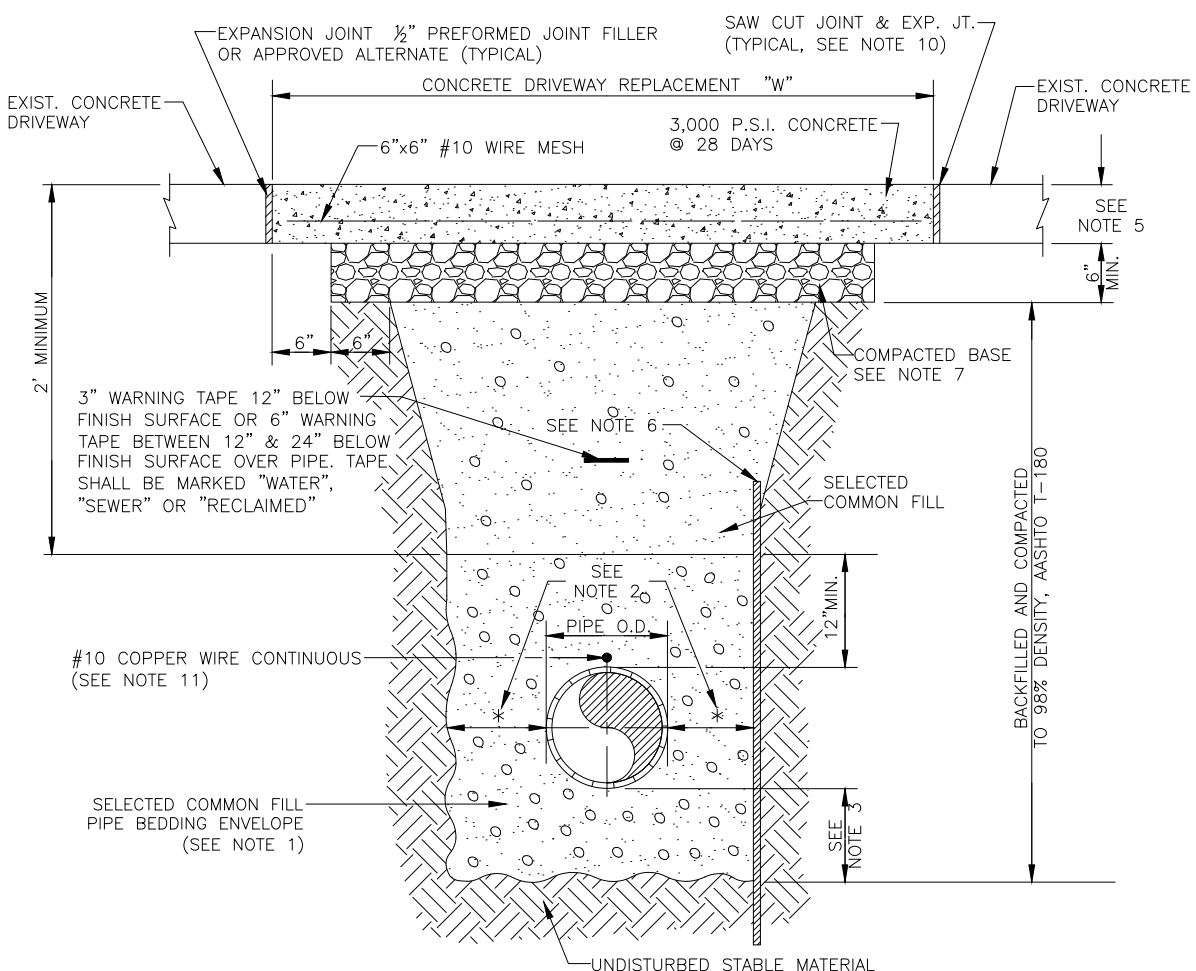
NOTE:

SEE **RESTRAINED LENGTHS FOR PVC PIPE DETAIL** FOR NOTES 1 THROUGH 8 THAT ARE ALSO APPLICABLE TO RESTRAINED LENGTHS FOR DIP.

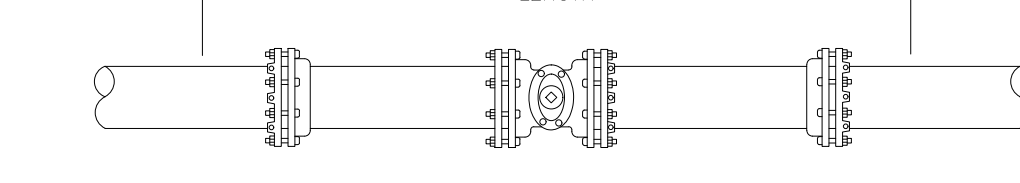
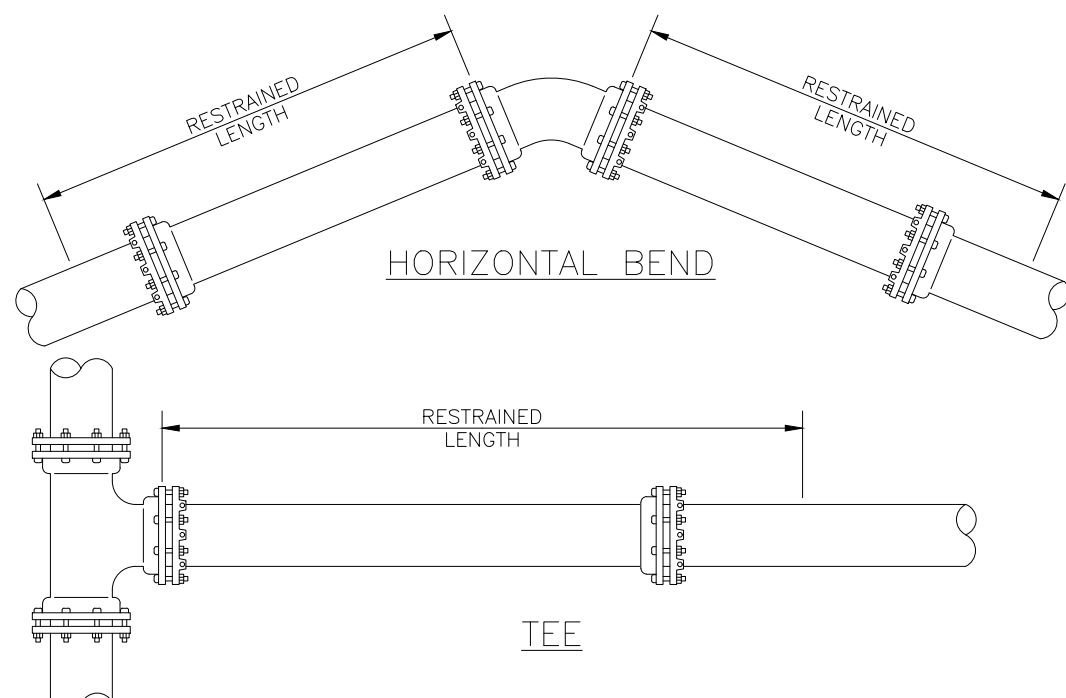
MANATEE COUNTY PUBLIC WORKS DEPARTMENT			RESTRAINED LENGTHS FOR DIP	UG-9
REV. BY	DATE			
CLB/BR	11/10			
		MAY 10, 2011		
		DATE OF APPROVAL		PAGE 109

NOTES:

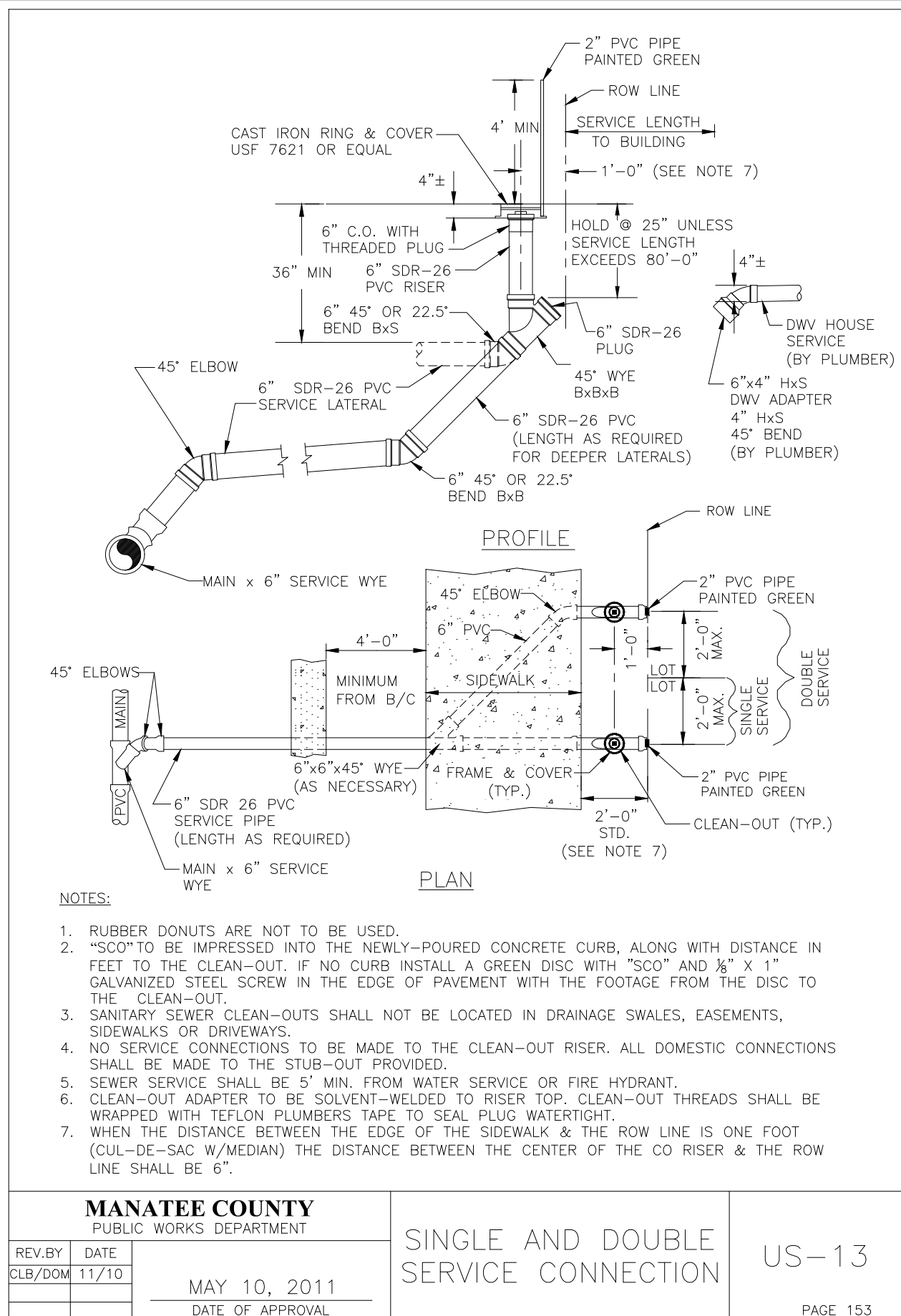
- USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- PROVIDE ADEQUATE CLEARANCE TO PLACE AND COMPACT STAGE 1 BEDDING MATERIAL IN TRENCH AREA BELOW PIPE SPRINGLINE. PIPE EMBEDMENT MUST BE COMPACTED OUT TO THE TRENCH WALL OR 2.5 TIMES THE PIPE OD, WHICHEVER IS LESS.
- TYPICALLY 4" TO 6".
- PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- THICKNESS TO MATCH EXISTING OR BE 6" MINIMUM, WHICHEVER IS GREATER.
- SHEETING ORDERED LEFT IN PLACE TO BE CUT OFF 24" BELOW FINISH GRADE OR 12" BELOW SUBGRADE.
- BASE SHALL BE COMPACTED 6" MINIMUM THICKNESS OF APPROVED MATERIAL.
- DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST ADOPTED CONSTRUCTION STANDARDS OF THE MANATEE COUNTY TRANSPORTATION DEPARTMENT.
- IF THE DRIVEWAY IS 12' OR WIDER, SAWCUT AN EXPANSION JOINT ALONG THE CENTER OF THE DRIVEWAY (3/4" WIDE AND 1 1/2" DEEP) AFTER THE CONCRETE HAS SET.
- IF THERE IS AN EXISTING EXPANSION JOINT WITHIN 3' OF THE PROPOSED JOINT, EXTEND DRIVEWAY REPLACEMENT TO THE EXISTING JOINT.
- TRACER WIRE NOT REQUIRED FOR GRAVITY SEWERS.



MANATEE COUNTY PUBLIC WORKS DEPARTMENT			TRENCH WITH CONCRETE DRIVEWAY SURFACE TYPE A-1 PIPE BEDDING	UG-14
REV. BY	DATE			
CLB/BR	11/10			
		MAY 10, 2011		
		DATE OF APPROVAL		PAGE 114

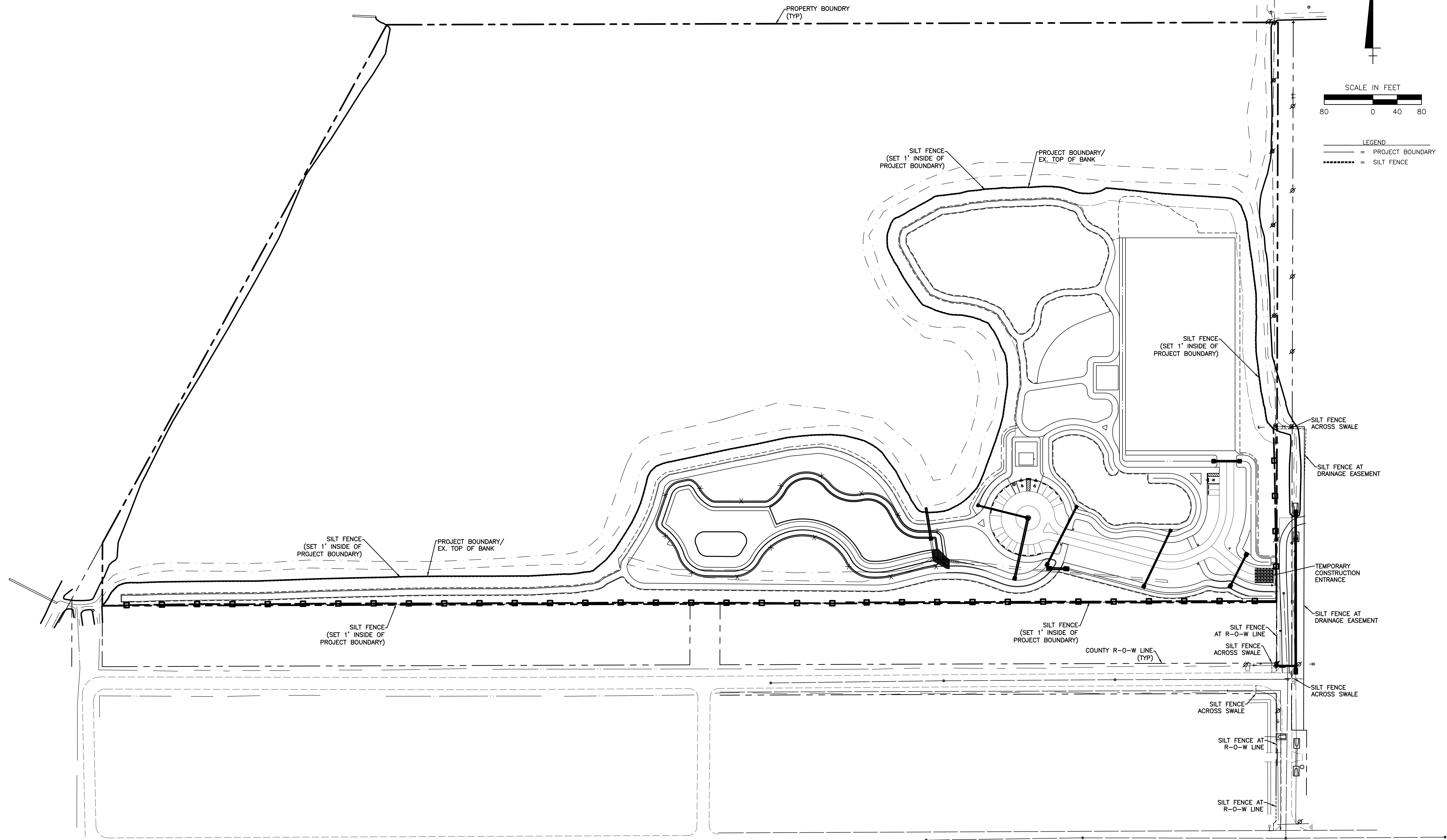


MANATEE COUNTY PUBLIC WORKS DEPARTMENT			RESTRAINED LENGTHS FOR PIPE	UG-10
REV. BY	DATE			
CLB/BR	11/10			
		MAY 10, 2011		
		DATE OF APPROVAL		PAGE 110



				ACTIVITY DESIGNED BY: JS 10/18/18 DRAWN BY: KG 10/18/18 CHECKED BY: SCM 10/18/18		 Stantec 6900 Professional Parkway East, Sarasota, FL 34240-8414 Phone 941-907-6900 • Fax 941-907-6910 Certificate of Authorization #27013 • www.stantec.com		CLIENT: MANATEE BOARD OF COUNTY COMMISSIONERS		DATE: JULY 2019 HORIZONTAL SCALE:		TITLE: UTILITY DETAILS SANITARY SEWER		R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 INDEX NUMBER:	
				CONTRACT ADMIN. BY:		PROJECT: WASHINGTON PARK PRESERVE PHASE I		VERTICAL SCALE:							
Δ REV. NO. REVISION				DATE DRAWN BY / EMP. NO. CHECKED BY / EMP. NO.		WM APPROVED BY:		SEC: TWP: RGE: 12 34S 17E		CROSS REFERENCE FILE NO.:		PROJECT NUMBER: 177310895		SHEET NUMBER: 26 OF 28	

Saved: 11/15/2018 9:21 AM KGAUBRETH | Plotted: 7/10/2019 9:52:02 AM KGAUBRETH | V:\1773\seth\1773 10895\05_report\seth\seth.dwg | 1773 10895 - 01C-027.dwg



REV NO.	REVISION	DATE	DRAWN BY / EMP. NO.	CHECKED BY / EMP. NO.	WM APPROVED BY:
2	ADD TEMPORARY CONSTRUCTION ENTRANCE	9/21/18	RB/115155		
1	REVISE SILT FENCE LOCATION	9/05/18	RB/115155		



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CLIENT:	MANATEE BOARD OF COUNTY COMMISSIONERS	DATE:	JULY 2019	TITLE:	BEST MANAGEMENT PRACTICES PLAN	R. QUINCE SELLERS, P.E. FLORIDA LICENSE NO. 49374 INDEX NUMBER:
PROJECT:	WASHINGTON PARK PRESERVE PHASE I	HORIZONTAL SCALE:		CROSS REFERENCE FILE NO.:		SHEET NUMBER:
SEC:	TWP:	RGE:	12 34S 17E	PROJECT NUMBER:	177310895	27 OF 28

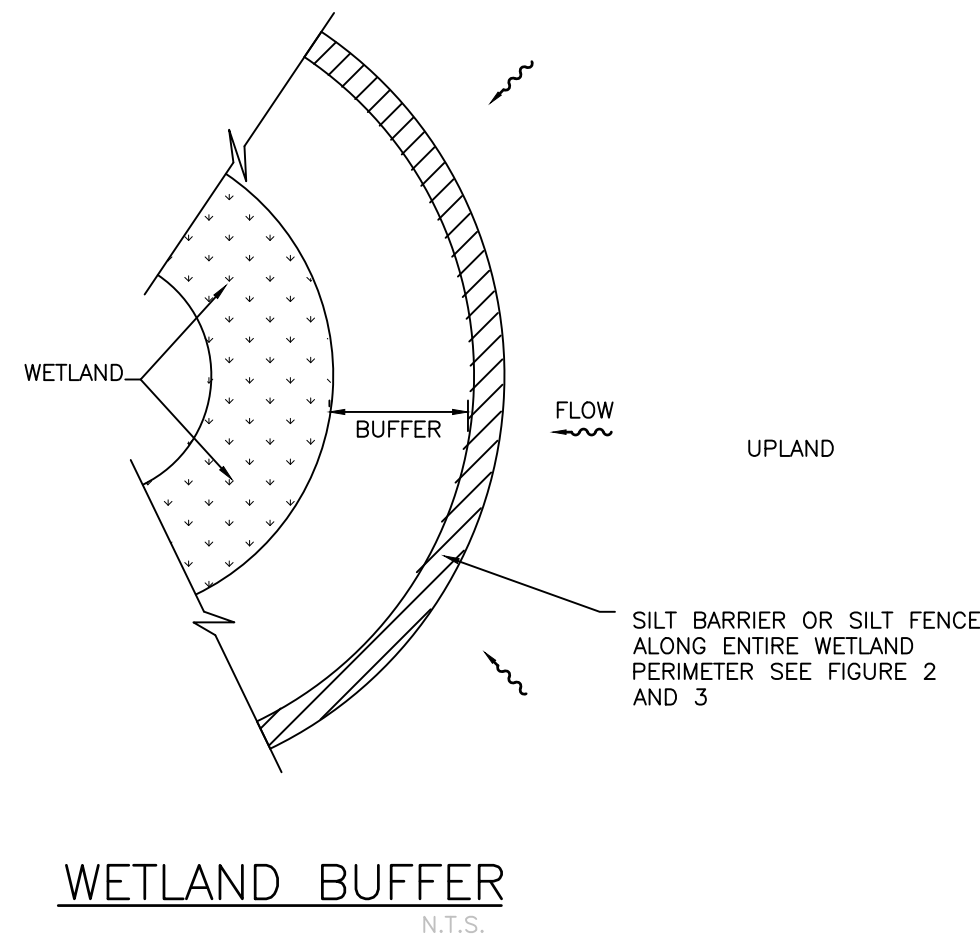


FIGURE 1

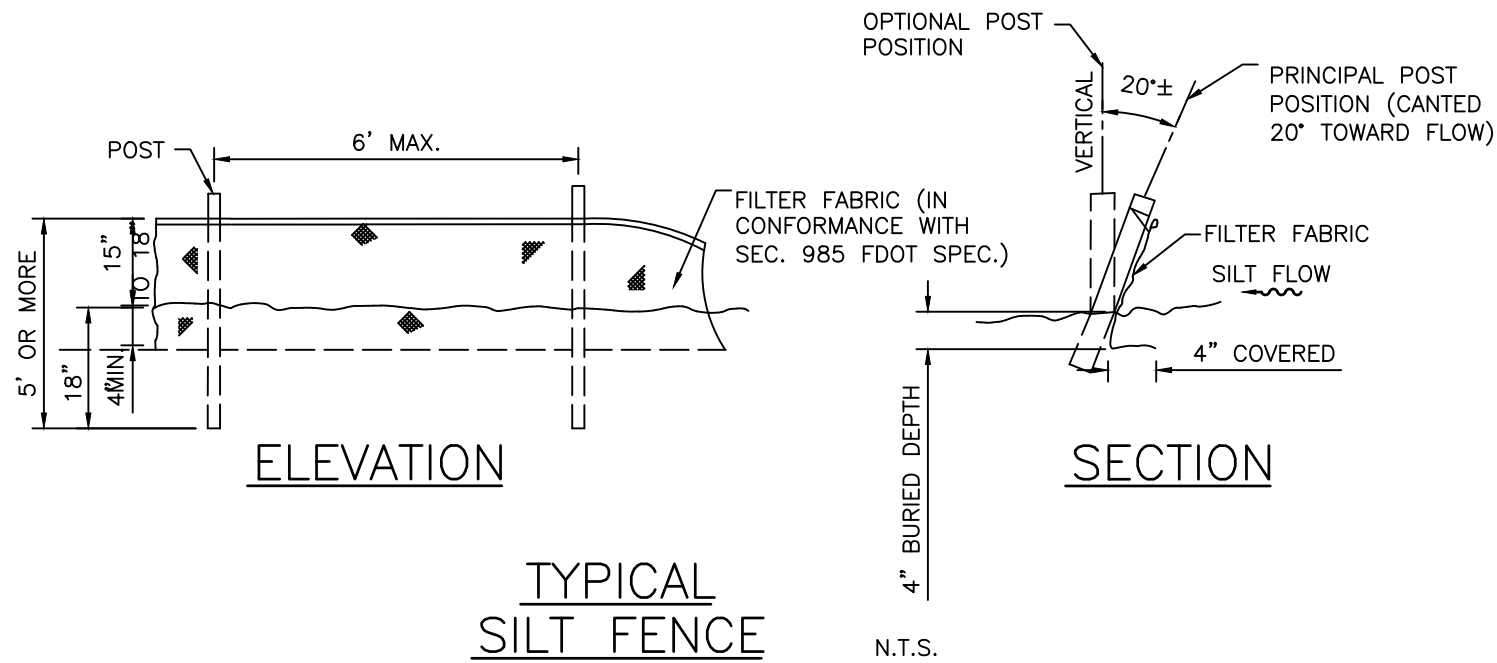


FIGURE 2

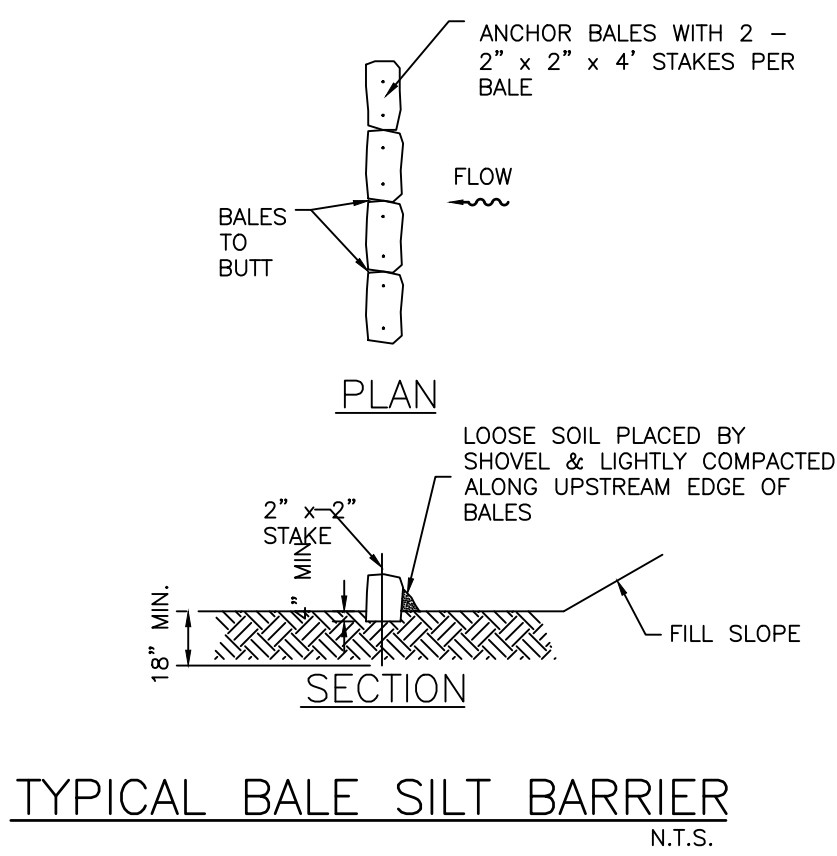
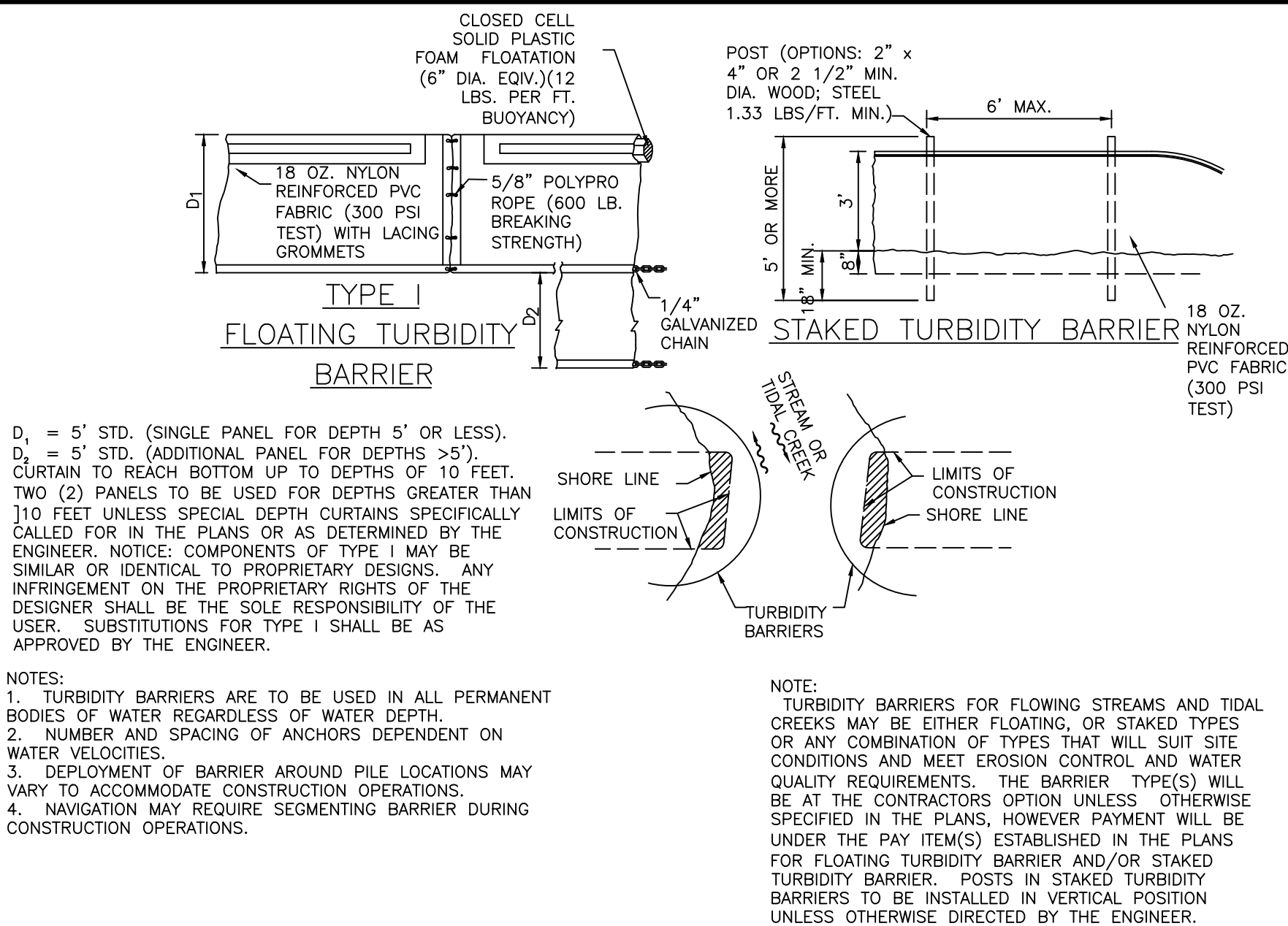


FIGURE 3



TURBIDITY BARRIER APPLICATIONS
TURBIDITY BARRIERS
N.T.S.

FIGURE 4

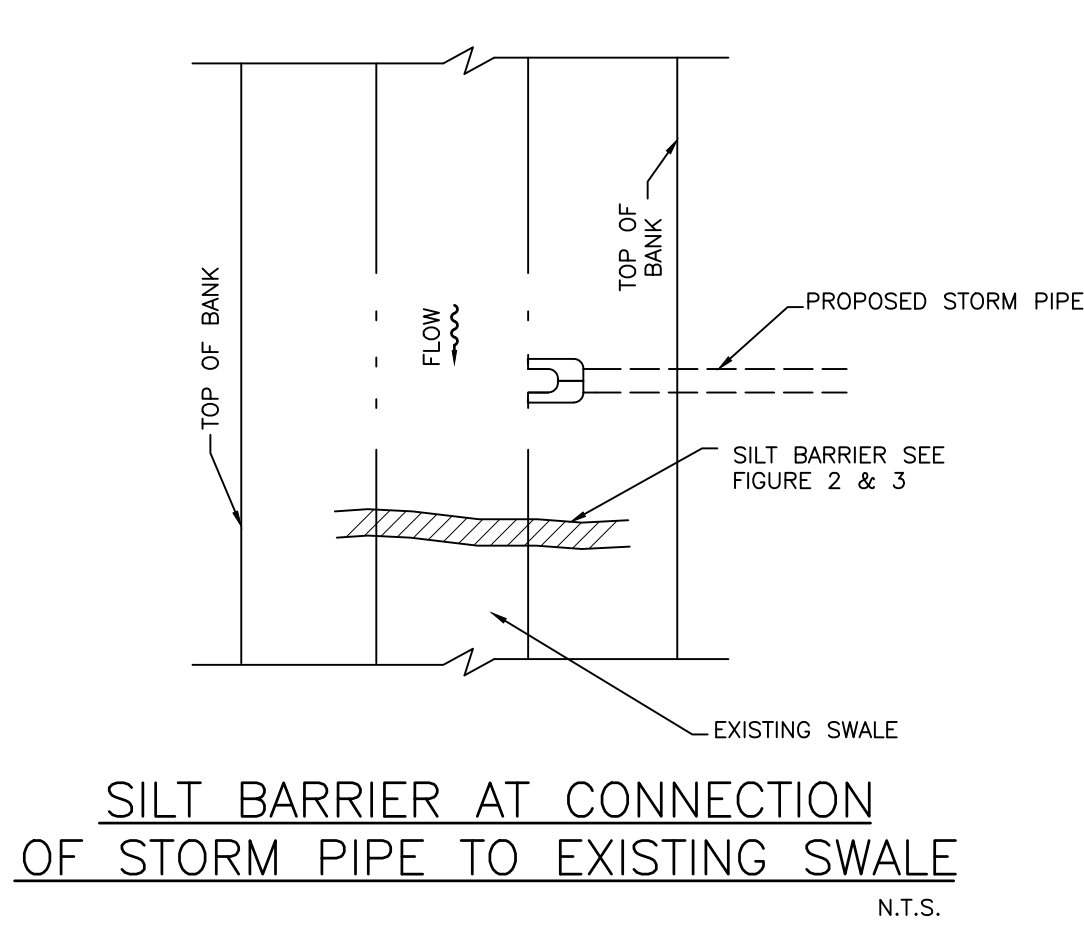


FIGURE 5

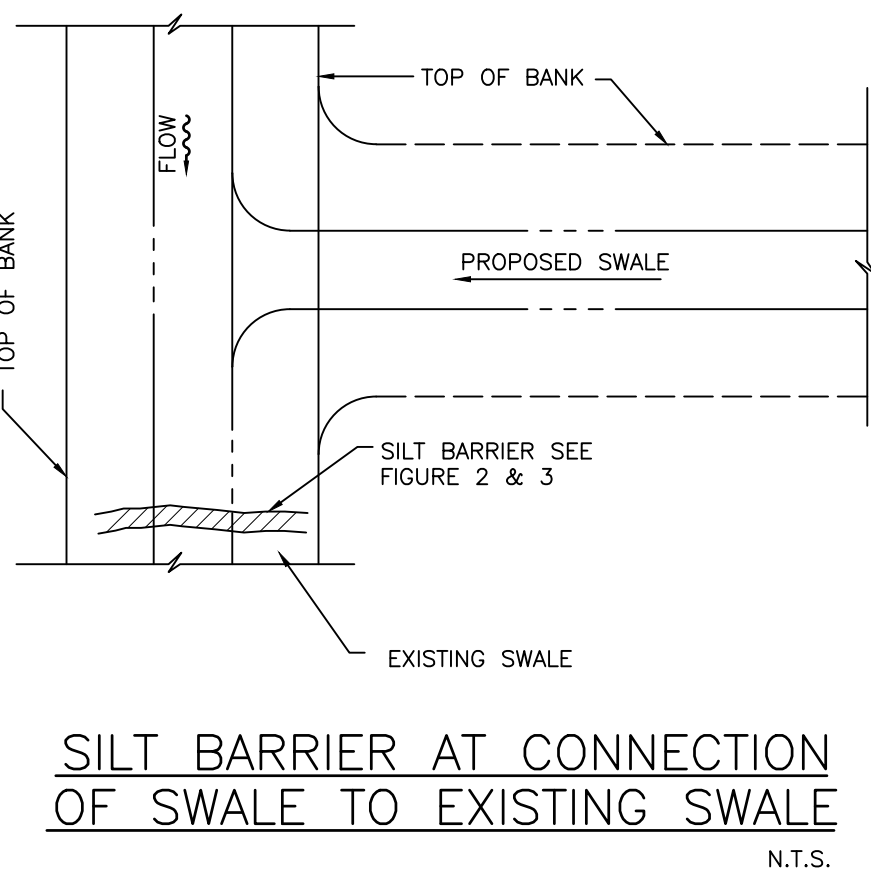


FIGURE 6

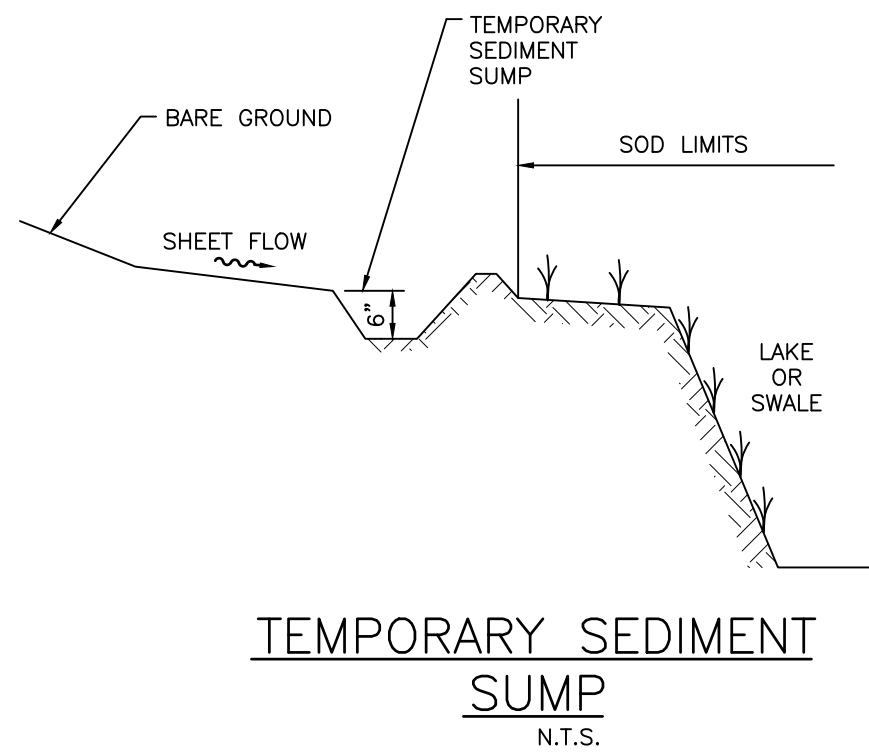


FIGURE 7

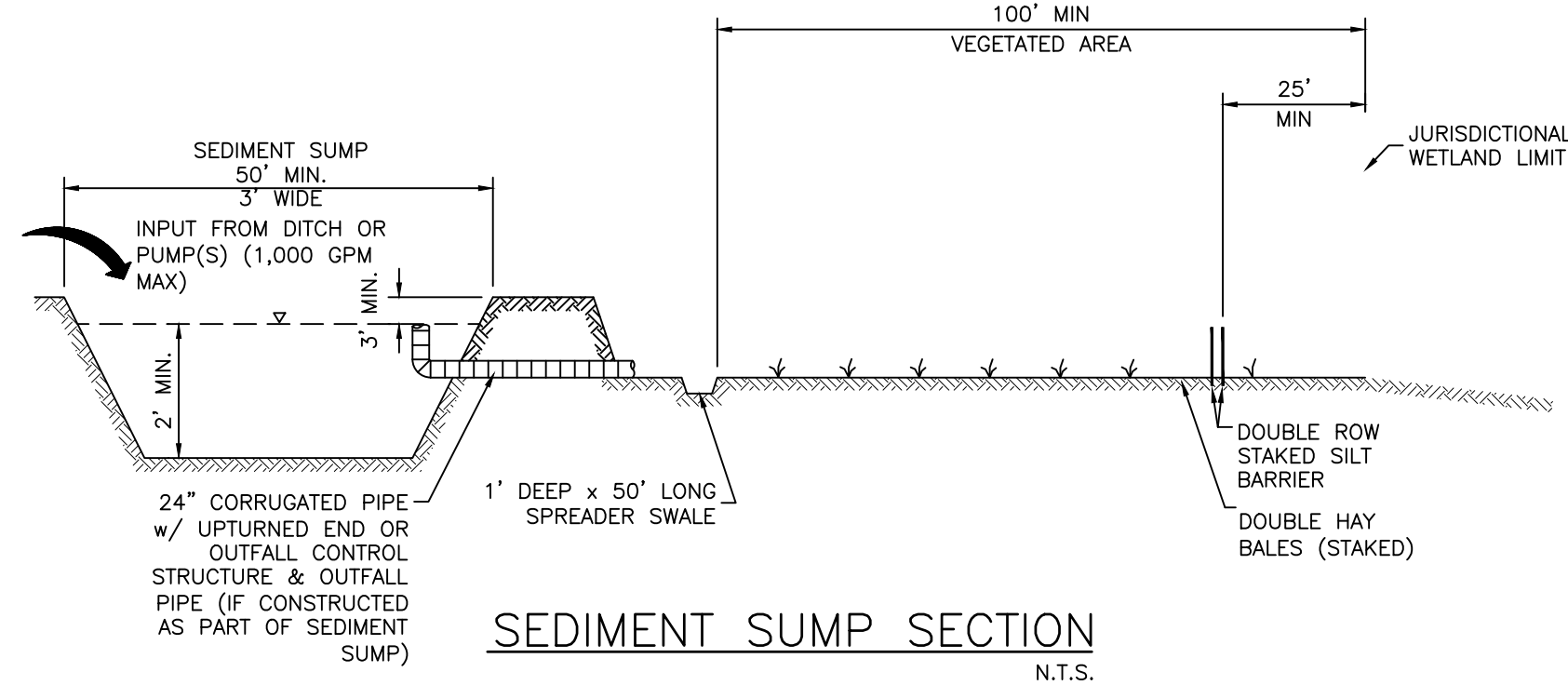
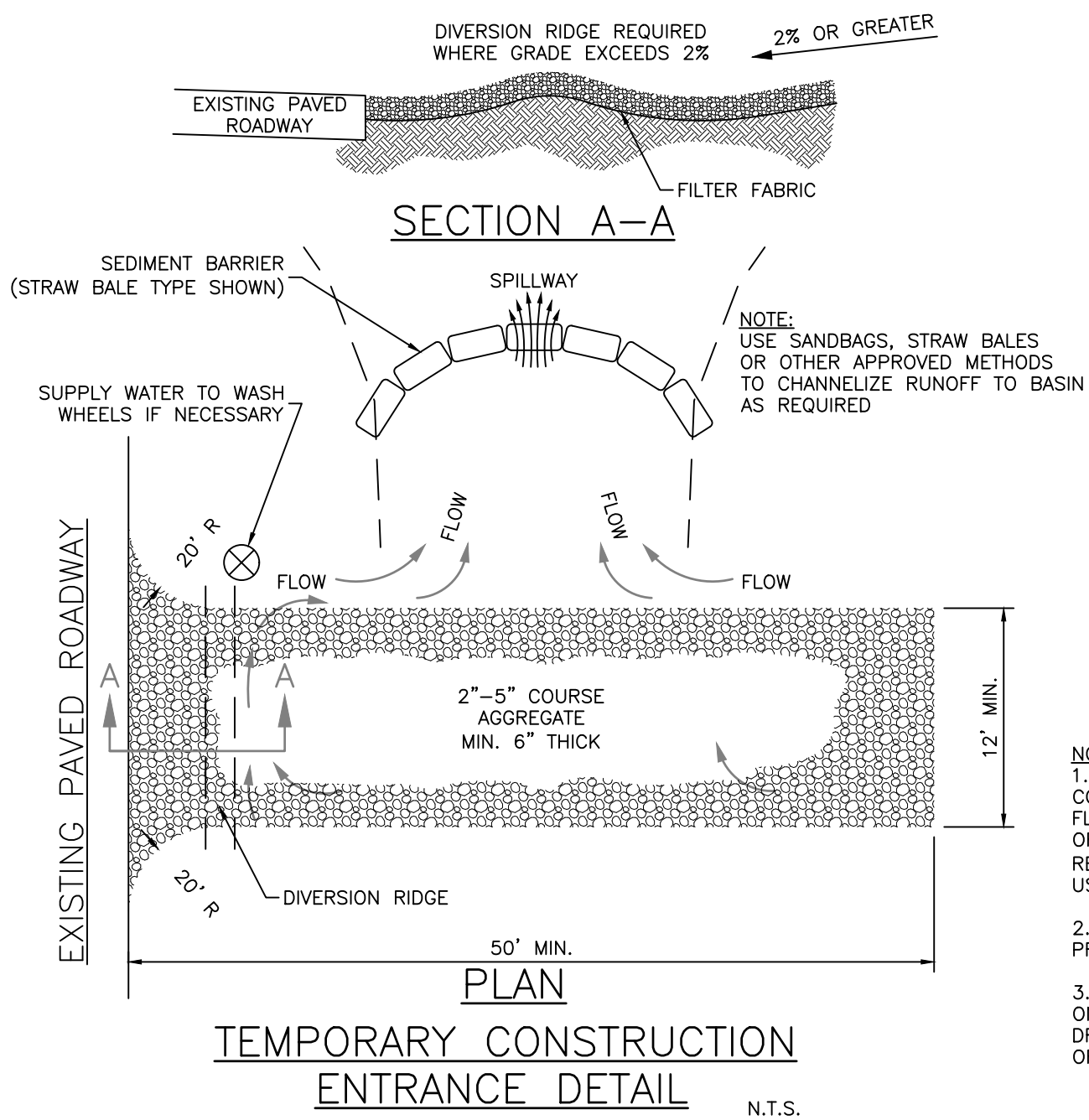


FIGURE 8



- NOTE:
1. 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.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

- NOTES:
1. THE CONTRACTOR SHALL ABIDE ALL APPLICABLE CONDITIONS OF THE REGULATORY AGENCY PERMITS AND HAVE COPIES OF THE PERMITS ON SITE. IF IT IS NECESSARY FOR GROUNDWATER DEWATERING TO DISCHARGE OFFSITE, THEN THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITTING FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). THE CONTRACTOR SHALL BEAR ALL RESPONSIBILITY AND COSTS FOR OBTAINING AND/OR MODIFYING ALL APPLICABLE PERMITTING FOR THE DISCHARGE OF GROUNDWATER DEWATERING AND FOR COMPLYING WITH ALL SWFWMD AND FDEP 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 FROM THE CONSTRUCTION SHALL BE COVERED WITH A TARPULIN.
 4. ALL EXCAVATION, AND ACCESS TO AND FROM CONSTRUCTION AREAS SHALL BE WITHIN THE LIMITS OF THE PROJECT AREA.
 5. THE CONTRACTOR SHALL CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT AND SHALL USE WATER, STRAW MULCH, OR OTHER SUITABLE MATERIAL AS REQUIRED.
 6. AT A MINIMUM, SILT FENCES, OR APPROVED EQUIVALENT SEDIMENT CONTROLS ARE REQUIRED FOR ALL SIDE SLOPE AND DOWN SLOPE BOUNDARIES OF THE CONSTRUCTION AREA.
 7. ALL CONSTRUCTION DEWATERING (IF NECESSARY) SHALL BE CONTAINED ONSITE AND ALLOWED TO INFILTRATE THE SOIL UNLESS FDEP PERMITTING IS OBTAINED FOR OFFSITE DISCHARGE. ALL DEWATERING GROUNDWATER DISCHARGE SHALL BE ROUTED THROUGH A TEMPORARY SEDIMENT SUMP PRIOR TO DISCHARGE TO WETLANDS, OTHER SURFACE WATER, OR OFFSITE. THE GENERAL PROCESS OF THE DEWATERING SYSTEM, AS DEPICTED HEREIN, SHALL BE ADHERED TO DURING CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL APPLICABLE APPROVALS FOR ANY MODIFICATIONS HE PROPOSES.
 8. THE DEWATERING SYSTEM SHALL USE A PUMP AND PIPING THAT IS LESS THAN 6 INCHES IN DIAMETER AND OPERATE LESS THAN A TOTAL OF SIX MONTHS. ANY DEVIATION FROM THIS REQUIREMENT SHALL REQUIRE A WATER USE PERMIT. THE COST OF A WATER USE PERMIT AND ASSOCIATED MATERIALS SHALL BE BORNE BY THE CONTRACTOR.
 9. THE CONTRACTOR SHALL ERECT SILT FENCE, OR APPROVED EQUIVALENT SEDIMENT CONTROLS, AS PER PLAN PRIOR TO COMMENCEMENT OF EXCAVATION/GRADING ACTIVITY.
 10. REQUIRED EROSION AND SEDIMENT CONTROL MEASURES MUST BE INSTALLED AND MAINTAINED AS REQUIRED THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT.
 11. EROSION AND SEDIMENT CONTROL DEVICES (SILT FENCE, OR APPROVED EQUIVALENT SEDIMENT CONTROLS ARE DEPICTED IN APPROXIMATE LOCATIONS AND SHALL BE ADJUSTED AS NECESSARY WITH THE DIRECTION OF THE PROJECT ENGINEER.
 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL OF ALL EROSION AND SEDIMENT CONTROL DEVICES AT THE COMPLETION OF THE PROJECT.
 13. 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.
 14. ALL EROSION AND SEDIMENT CONTROL PROTECTION SHALL BE MAINTAINED BY THE CONTRACTOR IN COMPLIANCE WITH SWFWMD, MANATEE COUNTY, AND NPDES PERMIT REQUIREMENTS THOUGHT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL INSPECT THE EROSION AND SEDIMENT 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.



CLIENT: MANATEE BOARD
OF COUNTY COMMISSIONERS

PROJECT: WASHINGTON PARK PRESERVE PHASE I

DATE: JULY 2019

TITLE: BEST MANAGEMENT PRACTICES
DETAILS

CROSS REFERENCE FILE NO.: 177310895

R. QUINCE SELLERS, P.E.
FLORIDA LICENSE NO. 49374

INDEX NUMBER:

SHEET NUMBER: 28 OF 28

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Legend

Notes

8.	ADDED COUNTY IRRIGATION NOTE	CHS	CHS	18/10/19
A.	ADDED LEFT TURN SIGHT WINDOW	DWY	CHS	18/08/29
Revision		By	Appd.	YY.MM.DD
2.	County Sign-Off	CHS	CHS	2018.11.15
1.	County Submittal	CHS	CHS	2018.07.06
Issued		By	Appd.	YY.MM.DD
File Name:		CHS	CHS	CHS
		Dwn.	Chkd.	Dsgn.
				18.07.06
				YY.MM.DD

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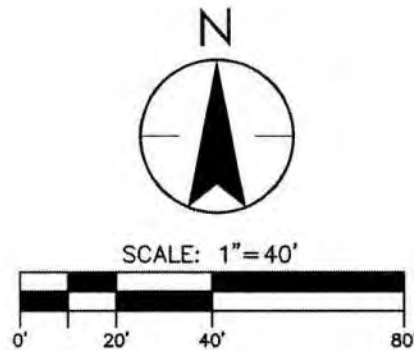
MANATEE COUNTY
BOARD OF COMMISSIONERS

WASHINGTON PARK PRESERVE
PHASE 1
MANATEE COUNTY, FLORIDA

Title

LANDSCAPE
PLANTING PLAN

Project No.	177310895	Scale	AS NOTED
Drawing No.		Sheet	Revision
		LP-101	



SEE SHEET LP-601 FOR PLANT SCHEDULE

SEE SHEET LP-501 FOR PLANTING DETAILS

TREE REMOVAL/REPLACEMENT NOTE:
WHERE NATIVE TREES MAY EXIST (E.G. LIVE OAK
AND CABBAGE PALMS) THOSE ARE EITHER LOCATED
OUTSIDE THE AREA OF CONSTRUCTION IMPACTS OR
WILL BE PRESERVED DURING CONSTRUCTION.
THEREFORE TREE REPLACEMENT IS NOT REQUIRED.

IRRIGATION NOTE:
DROUGHT-TOLERANT SPECIES WILL BE USED WHERE POSSIBLE
(SEE PLANT SCHEDULE, SHEET LP-601).
IRRIGATION SYSTEM WILL NOT BE REQUIRED AS THE MCPNRD
WILL PROVIDE WATERING AT LEAST 2X/WEEK IF NO RAIN DURING
THE PLANT ESTABLISHMENT PHASE USING A WATER TRUCK. DRIP
TREE BAGS WILL BE USED ON ALL TREES TO BE ESTABLISHED.

MATCH LINE - SEE SHEET LP-102

EXISTING DITCH TOE OF
SLOPE (APPROXIMATE)

PROJECT BOUNDARY

EDGE
OF
PAVEMENT

EX. OAK TREE
(APPROX. LOCATION)

NOTE:
OAK TREES LOCATED ON OR
NEAR PROJECT BOUNDARY
WILL NOT BE IMPACTED.

30TH STREET EAST

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A	ADDED LEFT TURN SIGHT WINDOW	DWY	CHS	18/08/29
Revision		By	Appd.	YY.MM.DD
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Issued		By	Appd.	YY.MM.DD
File Name:		CHS	CHS	CHS
		Dwn.	Chkd.	Dsgn.
				18.07.06
				YY.MM.DD

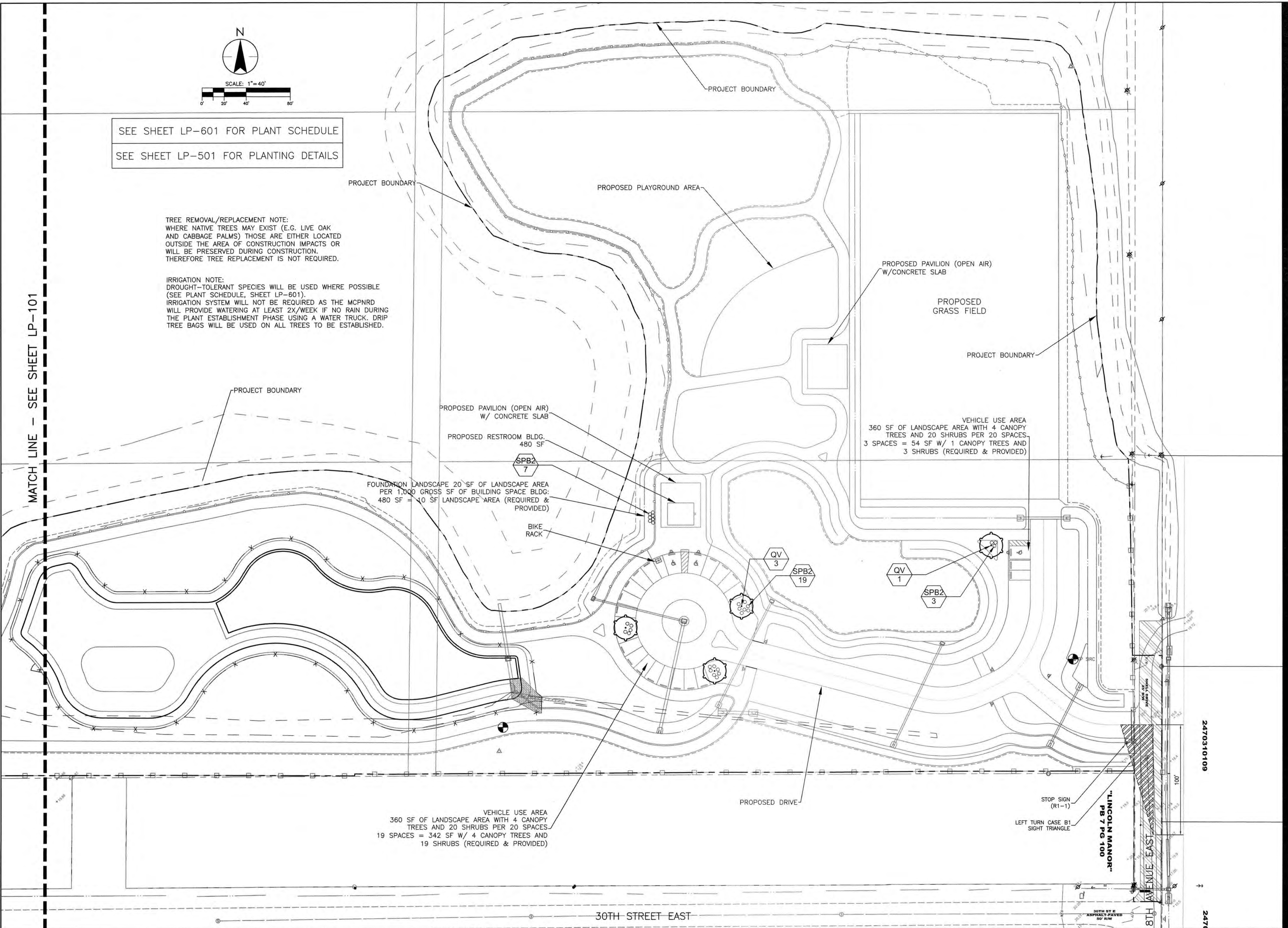
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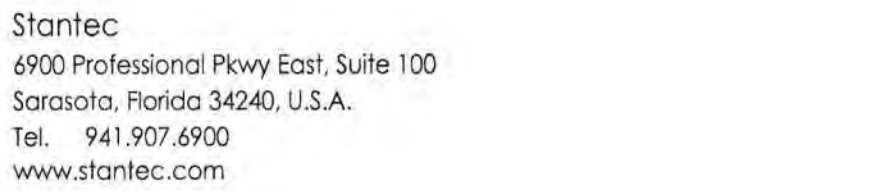
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MANATEE COUNTY
BOARD OF COMMISSIONERS
WASHINGTON PARK PRESERVE
PHASE 1
MANATEE COUNTY, FLORIDA

Title
LANDSCAPE
PLANTING PLAN

Project No.	Scale
177310895	AS NOTED
Drawing No.	Sheet
	Revision

LP-102





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File Name:	CHS	CHS	CHS	18.07.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Client/Project

MANATEE COUNTY
BOARD OF COMMISSIONERS

WASHINGTON PARK PRESERVE
PHASE 1

MANATEE COUNTY, FLORIDA

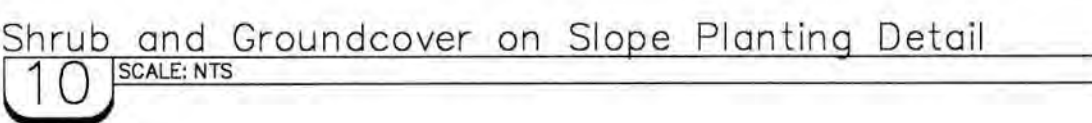
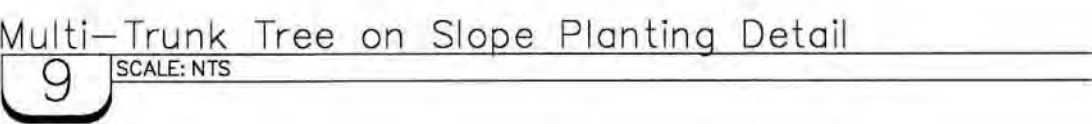
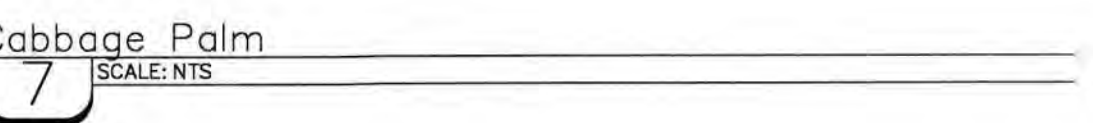
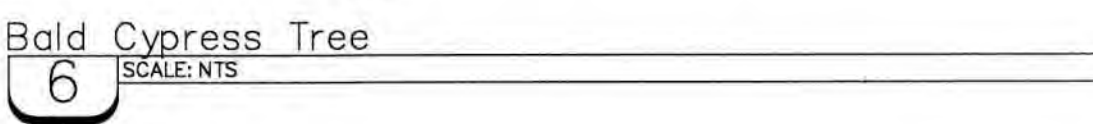
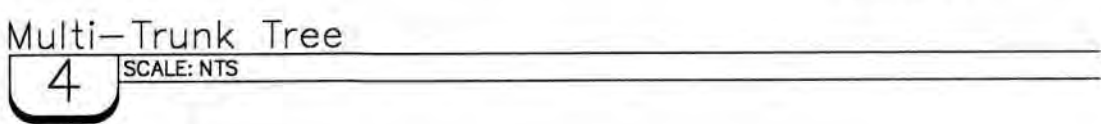
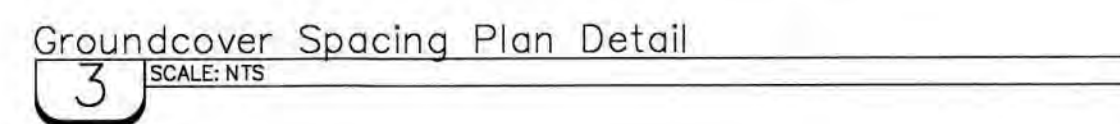
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FLORIDA LICENSE NO. UAB667123

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JUL 10 2019
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Title
LANDSCAPE
DETAILS

Project No. 177310895	Scale AS NOTED
Drawing No.	Sheet Revision

LP-501



LANDSCAPE NOTES

- CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION PRIOR TO INITIATING PLANTING INSTALLATION.
- CONTRACTOR SHALL NOTIFY ALL PERTINENT UTILITY COMPANIES 48 HOURS MINIMUM PRIOR TO DIGGING FOR VERIFICATION OF ALL UNDERGROUND UTILITIES. PLANS ARE PREPARED ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARING THESE DOCUMENTS.
- THE CONTRACTOR SHALL BECOME COMPLETELY FAMILIAR WITH EXISTING SITE CONDITIONS PRIOR TO BEGINNING INSTALLATION. ALL EXISTING SITE IMPROVEMENTS, PAVING, LANDSCAPE, LIGHTING, AND OTHER SITE ELEMENTS TO REMAIN SHALL BE PROTECTED FROM DAMAGE UNLESS OTHERWISE NOTED.
- UNLESS OTHERWISE NOTED, THE LIMITS OF CONSTRUCTION ARE THE CLEARING LIMITS NOTED ON THE PLANS.
- THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND ACTUAL FIELD CONDITIONS TO THE OWNER'S REPRESENTATIVE IMMEDIATELY.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH RELATED CONTRACTORS AND WITH THE GENERAL CONSTRUCTION OF THE PROJECT IN ORDER TO NOT IMPEDE THE PROGRESS OF WORK OF OTHERS OR THE CONTRACTOR'S OWN WORK.
- CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ALL EXISTING GROUND COVERS FOR ALL NEW PLANTING BEDS BY APPROVED MEANS PRIOR TO PLANTING INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE ALL PORTIONS OF EXISTING PLANTING OR LAWN AREAS INDICATED TO REMAIN WHILE COMPLETING NEW PLANTING INSTALLATION WORK WITH SAME KIND OF PLANTS OR GRASS TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL BEAR ALL COST ASSOCIATED WITH SOIL TESTING AND SOIL AMENDMENTS AS REQUIRED AS A RESULT OF THE SOIL TESTING LABORATORY'S RECOMMENDATIONS. PRIOR TO INITIATING INSTALLATION THE CONTRACTOR SHALL PROVIDE SOIL TEST FOR AT LEAST TWO ON-SITE LOCATIONS.
- ALL PLANT CONTAINER SIZES NOTED ON THE PLANT LIST/MATERIAL SCHEDULE ARE MINIMUM. INCREASE SIZE OF CONTAINERS IF NECESSARY TO CONFORM TO THE PLANT SIZE AND SPECIFICATIONS.
- EROSION CONTROL FABRIC SHALL BE INSTALLED IN ALL SHRUB AND GROUND COVER PLANTING AREAS AS PER THE DETAILS AND/OR SPECIFICATIONS FOR ALL SLOPES THAT ARE GREATER THAN 3:1 (SLOPES 1' VERTICAL FOR EVERY 3' HORIZONTAL). SEE CIVIL ENGINEERING PLANS FOR LOCATIONS WHERE SLOPES ARE GREATER THAN 3:1.
- SHRUB AND GROUND COVER PLANTINGS ARE TYPICALLY SHOWN ON THE PLANS IN MASS PLANTING BEDS. PLANTS SHALL BE SET IN A TRIANGULAR SPACING PATTERN (STAGGERED SPACING). PLANT CENTER TO CENTER DIMENSIONS (O.C.) ARE INDICATED IN THE PLANT LIST.
- LANDSCAPE CONTRACTOR SHALL FIELD ADJUST THE LOCATION OF PLANT MATERIAL AS NECESSARY TO AVOID DAMAGE TO EXISTING TREES AND UNDERSTORY VEGETATION TO REMAIN. UNDERGROUND AND ABOVE GROUND UTILITIES AND ALL OTHER ABOVE GROUND ELEMENTS. ALL CHANGES REQUIRED SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE AND THE LANDSCAPE ARCHITECT PRIOR TO INITIATING ANY CHANGES.
- WHEN NECESSARY, PLANTING WITHIN THE DRIPLINE/CANOPY OF EXISTING TREES SHOULD BE DONE IN THE MOST SENSITIVE MANNER POSSIBLE IN ORDER TO AVOID ROOT DAMAGE. ALL NEW PLANTINGS WITHIN THE DRIPLINE/CANOPY SHOULD BE HAND-DUG AND FIELD ADJUSTED TO AVOID ROOTS AS NECESSARY.
- ANY SUBSTITUTIONS TO PLANT MATERIAL SIZE OR TYPE MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. LANDSCAPE CONTRACTOR SHALL NOT MAKE ANY SUBSTITUTIONS OR ALTERATIONS TO THE LANDSCAPE PLANTING PLANS OR PLANT LIST & MATERIALS WITHOUT THE PRIOR APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE. ANY LANDSCAPE PLANTING INSTALLED THAT DOES NOT CONFORM TO THE PLANS, PLANT LIST AND SPECIFICATIONS SHALL BE REPLACED IMMEDIATELY TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING AS REQUIRED TO MAINTAIN AND ESTABLISH ALL PLANTING (NEW, EXISTING TO BE RELOCATED, AND EXISTING PLANTINGS TO REMAIN WHILE IRRIGATION SYSTEM IS BEING INSTALLED OR REPAIRED) TO SUPPLEMENT IRRIGATION AND RAINFALL. THE IRRIGATION SYSTEM IS DESIGNED TO MAINTAIN THE LANDSCAPE PLANTINGS AND NOT ESTABLISH THEM. THE CONTRACTOR IS RESPONSIBLE FOR WATERING IN ALL PLANTING AREAS, REGARDLESS OF THE STATUS OF EXISTING OR PROPOSED IRRIGATION SYSTEMS.
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, IN FULL, ALL PLANTING AREAS (INCLUDING WATERING, SPRAYING, MULCHING, MOWING, FERTILIZING, AND WEEDING, ETC.) UNTIL THE JOB IS ACCEPTED.
- CONTRACTOR SHALL ASSURE DRAINAGE AND PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION OF PLANT MATERIAL. CORRECT IF REQUIRED TO ASSURE PERCOLATION. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ALL PLANTS LOST DUE TO INADEQUATE DRAINAGE CONDITIONS.
- CONTRACTOR SHALL CLEAN THE WORK AREAS AT THE END OF EACH WORKING DAY. LANDSCAPE RUBBISH AND DEBRIS SHALL BE COLLECTED AND DEPOSITED OR RECYCLED OFF-SITE DAILY. ALL MATERIALS, PRODUCTS, AND EQUIPMENT STORED ON-SITE SHALL BE KEPT IN AN ORGANIZED MANNER DAILY.
- CONTRACTOR SHALL RE-GRADE ALL AREAS DISTURBED BY PLANT REMOVAL, RELOCATION, AND/OR FROM INSTALLATION WORK. THE CONTRACTOR SHALL REPLACE BY EQUAL SIZE AND QUALITY ANY AND ALL EXISTING PLANT MATERIAL DISTURBED OR DAMAGED BY PLANTING REMOVAL, RELOCATION, AND/OR INSTALLATION.
- EXISTING TREES OR OTHER PLANT MATERIAL INDICATED ON THE PLANS TO BE RELOCATED SHALL BE HANDLED, CARED FOR, AND MAINTAINED AS NEW PLANTINGS. THE CONTRACTOR IS RESPONSIBLE FOR ANY REQUIRED ROOT PRUNING, WRAPPING, TREE SPADING OR BALL AND BURLAPPING, ADDITIONAL SUPPLEMENTAL HAND WATERING, IRRIGATION MISTERS INSTALLED AT THE TREE CANOPY, OR ANY OTHER SOUND HORTICULTURAL PRACTICE REQUIRED TO ENSURE THE SURVIVAL OF ALL RELOCATED PLANT MATERIAL.
- THE CONTRACTOR SHALL REFER TO THE LANDSCAPE PLANTING DETAILS, SPECIFICATIONS, PLANT LIST AND PLANS FOR FURTHER AND COMPLETE PLANTING INSTALLATION INSTRUCTIONS.
- LANDSCAPE CONTRACTOR SHALL FULLY FAMILIARIZE HIMSELF / HERSELF WITH THE PROJECT PRIOR TO BIDDING THE WORK.
- FOR SITE GRADING AND CONTOUR INFORMATION, EXISTING VEGETATION TO REMAIN, BUILDINGS AND OTHER SITE FEATURE LOCATIONS AND THE LOCATION OF ALL ABOVE AND BELOW GROUND UTILITIES SEE THE MOST CURRENT AND UP TO DATE ARCHITECTURAL, CIVIL, ELECTRICAL, STRUCTURAL AND MECHANICAL ENGINEERING DRAWINGS AS PROVIDED BY THE OWNER OR OWNER'S REPRESENTATIVE. FIELD LOCATE ALL UNDERGROUND UTILITIES, EXISTING VEGETATION TO REMAIN AND ANY OTHER OBSTRUCTIONS AND COORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO INITIATING ANY LANDSCAPE PLANTING OR IRRIGATION INSTALLATION WORK. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY DAMAGE COMMITTED TO EXISTING OR PROPOSED ELEMENTS ABOVE OR BELOW GROUND TO ITS ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER AND OWNER'S REPRESENTATIVE.
- LANDSCAPE CONTRACTOR SHALL FIELD STAKE THE LOCATION OF ALL PLANT MATERIAL AND EDGES OF PLANTING BEDS FOR THE REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO INITIATING ANY INSTALLATION OF THE LANDSCAPE PLANTINGS.
- LANDSCAPE CONTRACTOR SHALL COORDINATE WORK WITH THE IRRIGATION CONTRACTOR AND ALL OTHER TRADES AS REQUIRED.
- THE CONTRACTOR SHALL REQUEST INSPECTION OF THE PROJECT IN WRITING. IF ALL WORK IS SATISFACTORY AND COMPLETE IN ACCORDANCE WITH CONDITIONS OF CONTRACT DOCUMENTS, THEN THE OWNER AND LANDSCAPE ARCHITECT SHALL DECLARE THE WORK SUBSTANTIALLY COMPLETE. THE CONTRACTOR IS TO REPLACE REJECTED PLANT MATERIAL WITHIN ONE (1) WEEK OF NOTICE.
- GUYING/STAKING PRACTICES SHALL NOT PERMIT NAILS, SCREWS, WIRES, ETC., TO PENETRATE OUTER SURFACE OF THE TREE OR PALM. PLANT MATERIAL REJECTED DUE TO THIS PRACTICE SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. REMOVAL OF ALL STAKING AND GUYING OF TREES AND PALMS AFTER FINAL ACCEPTANCE SHALL BE THE RESPONSIBILITY OF THE OWNER.
- ALL PLANT MATERIAL SHALL BE FLORIDA NO 1 OR BETTER AT TIME OF INSTALLATION AND SHALL BE MAINTAINED IN THIS SAME CONDITION UNTIL FINAL ACCEPTANCE. THE CONTRACTOR GUARANTEES THE PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR FOLLOWING DATE OF SUBSTANTIAL COMPLETION.
- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE. ALL PLANT MATERIAL SHALL BE IN FULL AND STRICT ACCORDANCE TO FLORIDA NO 1 GRADE, ACCORDING TO THE GRADES AND STANDARDS FOR NURSERY PLANTS, PUBLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. PLANT MATERIAL IN SOME INSTANCES EXCEED NO. 1 GRADE IN ORDER TO MEET THE MINIMUM REQUIREMENTS OF THIS PROJECT.

TREE PROTECTION NOTES

- ALL TRIMMING UNDERTAKEN ON A TREE PROTECTED BY THE PROVISIONS OF THE LAND DEVELOPMENT CODE SHALL BE IN ACCORDANCE WITH THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A-300 PRUNING STANDARDS.
- PROPOSED LAND ALTERATION ACTIVITIES SHALL NOT UNNECESSARILY REMOVE EXISTING VEGETATION AND ALTER EXISTING TOPOGRAPHY. ADEQUATE PROTECTION MEASURES (I.E., HAY BALES, BAFFLES, SODDING AND SANDBAGGING) SHALL BE PROVIDED, AS NECESSARY, TO MINIMIZE EROSION AND DOWNSTREAM SEDIMENTATION CAUSED BY SURFACE WATER RUN-OFF ON EXPOSED LAND SURFACES.
- DURING LAND ALTERATION AND CONSTRUCTION ACTIVITIES, IT SHALL BE UNLAWFUL TO REMOVE VEGETATION BY GRUBBING OR TO PLACE SOIL DEPOSITS, DEBRIS, SOLVENTS, CONSTRUCTION MATERIAL, MACHINERY OR OTHER EQUIPMENT OF ANY KIND WITHIN THE DRIPLINE OF A TREE TO REMAIN ON THE SITE UNLESS OTHERWISE APPROVED BY THE COUNTY.
- ANY AREAS SUBJECT TO EROSION MUST BE ADEQUATELY STABILIZED WITH VEGETATIVE MATERIAL THAT WILL, WITHIN A REASONABLE TIME FRAME, DETER SOIL DISTURBANCE. SODDING, PLUGGING, SPRIGGING OR SEEDING IS ACCEPTABLE FOR STABILIZATION; HOWEVER, SODDING MAY BE REQUIRED IN AREAS OF EROSION-PRONE SOILS OR WHERE SLOPES ARE GREATER THAN 5:1. VEGETATION OTHER THAN GRASS IS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.
- INSTALL TREE BARRICADES TO THE FULLEST EXTENT OF THE DRIPLINE OF ALL TREES/PALMS AS POSSIBLE AND/OR TO THE MAXIMUM LIMIT OF IMPROVEMENT(S) AS POSSIBLE (OF COURSE REALIZING THAT THE TREE BARRICADES MAY HAVE TO BE "BACKED OFF" THE IMPROVEMENT(S) BY 1' TO 2' MAXIMUM TO INSTALL THE IMPROVEMENT(S). DO NOT INSTALL TREE BARRICADES (SPECIFICALLY SILT FENCING MATERIAL) BY TRENCHING WITHIN THE DRIPLINE OF EXISTING TREES/PALMS.
- LAND ALTERATION AND CONSTRUCTION ACTIVITIES SHALL BE APPROVED WITHIN THE DRIPLINE OF A TREE TO BE RETAINED ON THE SITE PROVIDED DESIGN TECHNIQUES ARE USED THAT MINIMIZE DAMAGE TO THE ROOT SYSTEM OF THE TREE (E.G., RETAINING WALLS, TREE WELLS, ROOT AERATION DEVICES, PERVIOUS PAVERS, PERVIOUS CONCRETE, GREEN SPACE, AS APPROPRIATE). WHERE IT IS NOT PRACTICAL FOR UNDERGROUND UTILITY LINES TO BE ROUTED AROUND THE DRIPLINE, TUNNELING SHALL BE EMPLOYED TO ROUTE THE LINES THROUGH THIS AREA.
- PRUNING OF A GRAND OAK, WITH THE EXCEPTION OF MINOR PRUNING, IS PROHIBITED UNLESS CONDUCTED IN ACCORDANCE WITH THE ANSI A-300 PRUNING STANDARDS, AND PERFORMED BY AN ARBORIST CERTIFIED BY THE INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) OR A REGISTERED CONSULTING ARBORIST WITH THE AMERICAN SOCIETY OF CONSULTING ARBORISTS (ASCA). MINOR PRUNING IS THE PRUNING OF A TREE BY THE REMOVAL OF BRANCHES NO GREATER THAN THREE (3) INCHES IN DIAMETER AT THE POINT OF CONNECTION TO A SUPPORTING BRANCH AND SHALL BE IN ACCORDANCE WITH THE ANSI A-300 PRUNING STANDARDS. A NOTARIZED AFFIDAVIT AFFIRMING AN ISA CERTIFIED ARBORIST OR AN ASCA REGISTERED CONSULTING ARBORIST WILL CONDUCT OR PROVIDE ONSITE SUPERVISION OF THE PRUNING SHALL BE SUBMITTED TO THE COUNTY PRIOR TO THE PRUNING OF A GRAND OAK. AN ISA CERTIFIED ARBORIST OR AN ASCA REGISTERED CONSULTING ARBORIST CONTRACTED BY A PROPERTY OWNER TO PRUNE A GRAND OAK SHALL ASSUME FULL RESPONSIBILITY FOR ALL PRUNING ACTIVITIES DETERMINED IN NONCOMPLIANCE WITH STANDARDS SPECIFIED WITHIN THE LAND DEVELOPMENT CODE.

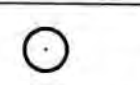
MANATEE COUNTY UTILITY NOTES:

- THERE SHALL BE 3' MINIMUM CLEARANCE FROM LANDSCAPE PLANTS TO THE EDGE OF THE METERS LESS THAN 3" AND 10' FOR METERS 3" AND LARGER.
- THERE SHALL BE 7.5' MINIMUM CLEARANCE FROM THE FRONT AND BOTH SIDES AND 4' FROM THE BACK FOR ALL FIRE HYDRANTS.
- NO TREES SHALL BE PLANTED WITHIN 10 FEET OF ANY COUNTY MAINTAINED WATER OR SEWER MAIN.

MANATEE COUNTY IRRIGATION NOTE:

- IN ACCORDANCE WITH SECTION 701.7.A.3 OF THE LAND DEVELOPMENT CODE, ALL IRRIGATION SHALL USE THE LOWEST QUALITY WATER AVAILABLE WHICH ADEQUATELY AND SAFELY MEETS THE NEEDS OF THE SYSTEM. STORM WATER REUSE, RECLAIMED WATER USE, GREY WATER IRRIGATION SYSTEMS AND/OR SHALLOW WELLS SHALL BE USED. THE USE OF POTABLE WATER FOR IRRIGATION WILL NOT BE ALLOWED.

PLANT SCHEDULE

TREES	CODE	BOTANICAL NAME	COMMON NAME	CAL	SIZE		QTY	REMARKS
	QV	Quercus virginiana	Southern Live Oak	3" Cal.	14'-15' Ht. x 5'-6' Spr.		4	
SHRUBS	CODE	BOTANICAL NAME	COMMON NAME	CONT	SPECIFICATIONS AND NOTES		QTY	REMARKS
	SPB2	Spartina bakeri	Sand Cord Grass	3 gal	24" Ht. x 24" Spr., Full		29	
GROUND COVERS	CODE	BOTANICAL NAME	COMMON NAME	CONT	SPECIFICATIONS AND NOTES	SPACING	QTY	REMARKS
	MUL	Pine Bark Nuggets	Pine Bark Nuggets	3" Depth			0 sf	Contractor to Verify Quantity (CY).
	SOD1	Paspalum notatum	Bahia Grass				0 sf	Contractor to Verify Quantity (SF). Solid Sod, Sand Grown, Rolled, Free of Weeds and Pests.

PLANT LISTS ARE FOR REVIEW AND APPROVAL PURPOSES ONLY. LANDSCAPE ARCHITECT TO PROVIDE FINAL PLAN TO CLIENT FOR BIDDING AND CONSTRUCTION PURPOSES UPON APPROVAL.

PLANT MATERIALS SHOWN ARE TO DEMONSTRATE INTENT TO COMPLY WITH LAND DEVELOPMENT CODE ONLY. THESE LANDSCAPE PLANS ARE NOT FOR CONSTRUCTION. ALL BUFFERS PROVIDED WILL MEET OR EXCEED LDC REQUIREMENTS; APPLICANT RESERVES THE RIGHT TO SUBSTITUTE SPECIES SHOWN FOR OTHERS THAT MEET CODE REQUIREMENTS DURING CONSTRUCTION.



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Consultants

Legend

Notes

B	ADDED COUNTY IRRIGATION NOTE	CHS	CHS	18/10/19
A	ADDED LEFT TURN SIGHT WINDOW	DWY	CHS	18/08/29
Revision		By	Appd.	YY.MM.DD
2	County Sign-Off	CHS	CHS	2018.11.15
1	County Submittal	CHS	CHS	2018.07.06
Issued		By	Appd.	YY.MM.DD

File Name:	CHS	CHS	CHS	18.07.06
	Dwn.	Chkd.	Dgn.	YY.MM.DD

Permit-Seal



Client/Project
MANATEE COUNTY
BOARD OF COMMISSIONERS

WASHINGTON PARK PRESERVE
PHASE 1
MANATEE COUNTY, FLORIDA

CHRISTOPHER H. SUTTON, L.A.
FLORIDA LICENSE NO. LA6667123

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JUL 10 2019
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Title
LANDSCAPE
NOTES

Project No. 177310895	Scale AS NOTED
Drawing No.	Sheet Revision