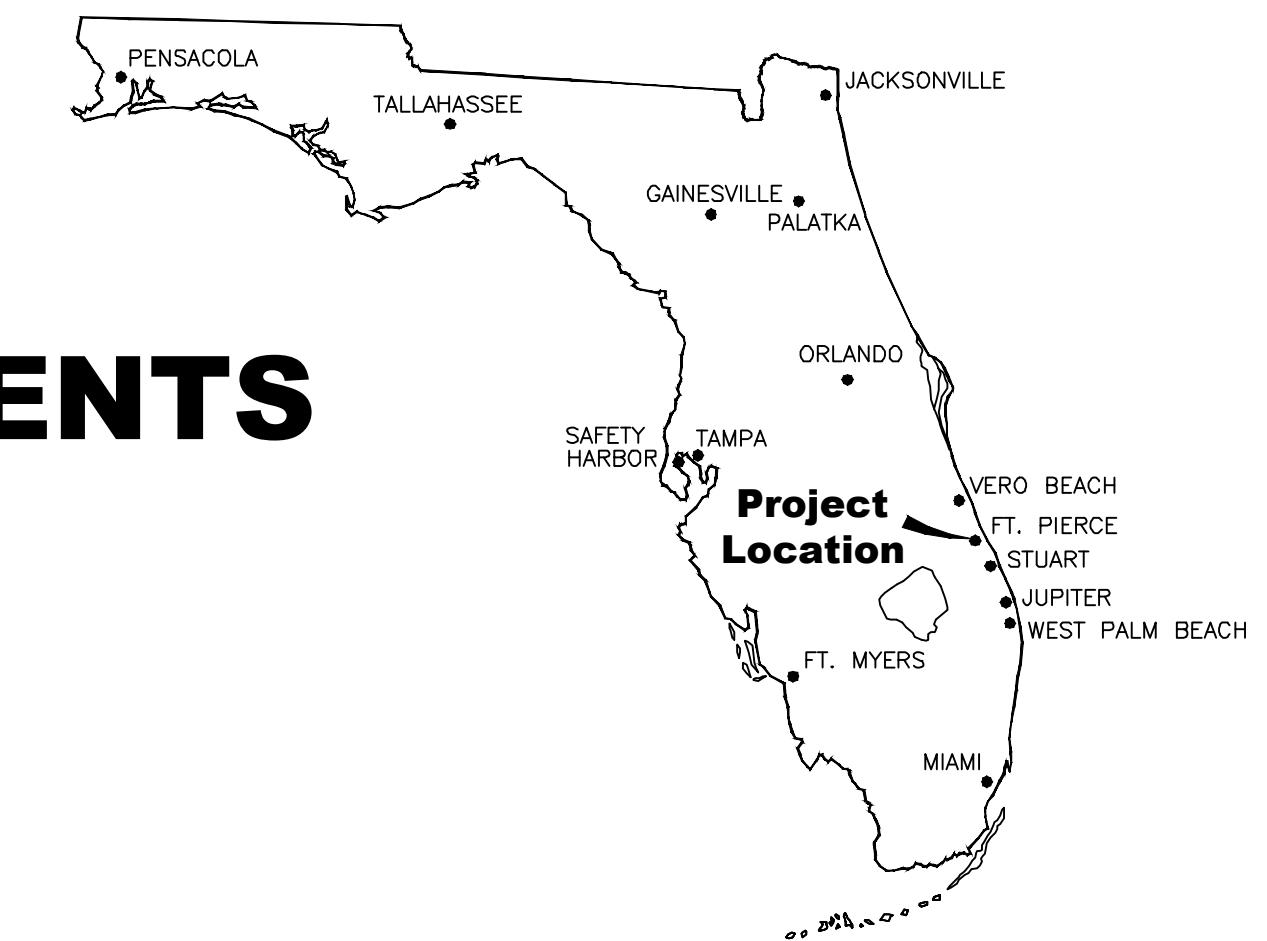


# CITY OF FORT PIERCE

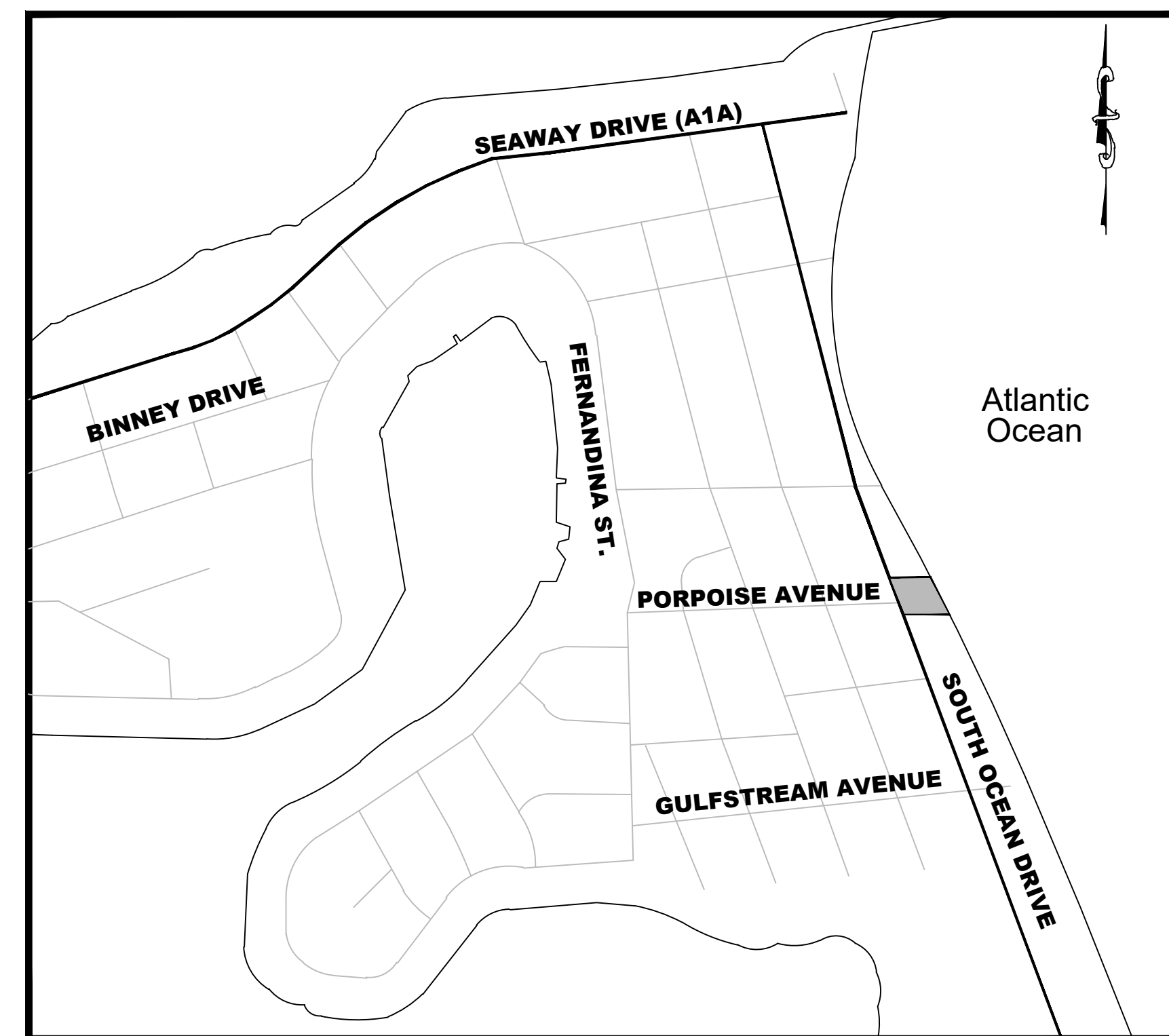
## PORPOISE AVENUE BEACH ACCESS PARKING IMPROVEMENTS

### DEPARTMENT OF ENGINEERING



1 ALL WORK CONDUCTED WITHIN THE LIMITS OF STATE ROAD A1A RIGHT-OF-WAY SHALL COMPLY WITH THE FOLLOWING FDOT SPECIFICATIONS:

1. GOVERNING STANDARD PLANS:  
Florida Department of Transportation, FY 2020-21 Standard Plans for Road and Bridge Construction and applicable Interim Revisions (IRs).  
website: <https://www.fdot.gov/design/standardplans>
2. GOVERNING STANDARD SPECTIFICATIONS:  
Florida Department of Transportation, July 2020 Standard Specifications for Road and Bridge Construction. website:  
<https://www.fdot.gov/programmanagement/implemented/specbooks>
3. Contractor shall repair all damage done to FDOT property during demolition, relocation &/or installation activities at his sole expense. Patterned Pavement installation shall comply with current FDOT Standard Specification 523. Online Reference:  
[https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/programmanagement/implemented/specbooks/january-2020/1-20-ebook.pdf?sfvrsn=e3eca19a\\_2](https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/programmanagement/implemented/specbooks/january-2020/1-20-ebook.pdf?sfvrsn=e3eca19a_2)
4. Patterned pavement installation shall comply with current FDOT Standard Specification 523. Online Reference:  
[https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/programmanagement/implemented/specbooks/january-2021/1-21ebook.pdf?sfvrsn=1c62cb58\\_2](https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/programmanagement/implemented/specbooks/january-2021/1-21ebook.pdf?sfvrsn=1c62cb58_2)
5. Ownership of all suitable excavated materials, as determined by the Department, shall remain in the Department until a final acceptance of the permitted project is fulfilled. Excavated materials shall be hauled by the Permittee, at their cost & expense from the site to the Treasure Coast Operations Center or stockpiled in those areas as directed by the Department, including asphalt millings.



VICINITY MAP

1 ROADWAY DESIGN SPEED - 35 MPH

#### INDEX OF SHEETS

- |        |  |
|--------|--|
| 1 OF 8 | COVER  |
| 2 OF 8 | DEMOLITION PLAN                                  |
| 3 OF 8 | CLEAR SIGHT PLAN                                 |
| 4 OF 8 | CONSTRUCTION PLAN                                |
| 5 OF 8 | STORMWATER POLLUTION PREVENTION PLAN AND DETAILS |
| 6 OF 8 | SITE DETAILS                                     |
| 7 OF 8 | MAINTENANCE OF TRAFFIC                           |
| 8 OF 8 | GENERAL NOTES                                    |

PORPOISE AVENUE BEACH ACCESS PARKING IMPROVEMENTS

No.	DATE	BY	REVISIONS
1	6/7/21		

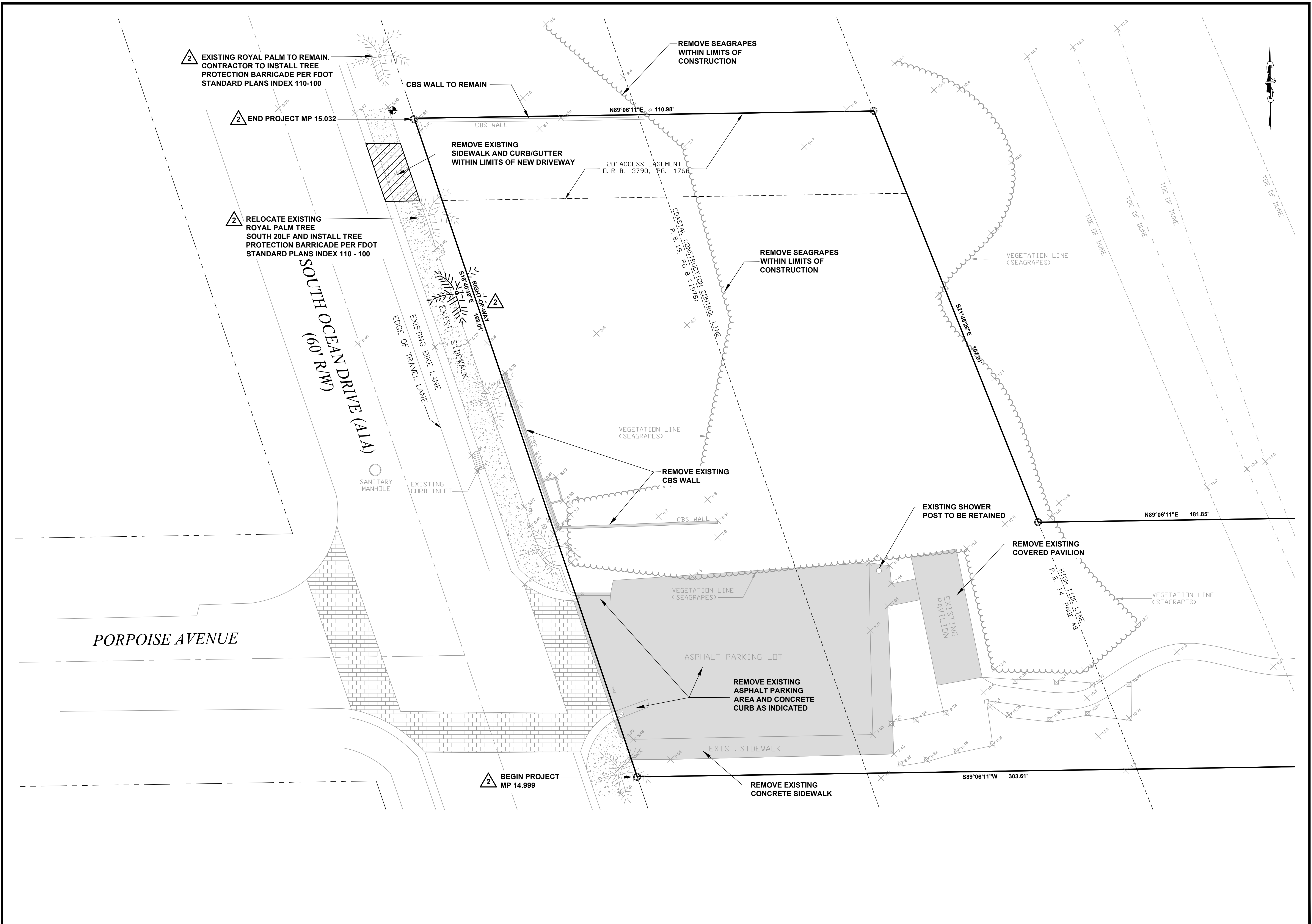


CITY OF FORT PIERCE  
DEPARTMENT OF ENGINEERING  
100 NORTH U.S. 1 P.O. BOX 1480  
FORT PIERCE FLORIDA, 34954

DATE:	JANUARY 12, 2021
SURVEY BY:	
DESIGNED BY:	T.TELLE
SCALE:	N.T.S.
DRAWN BY:	D.SUMNER
APPROVED BY:	

SHEET No.  
1 OF 8

FDOT PERMIT NUMBER 2021-A-491-00017



2 EXISTING ROYAL PALM TO REMAIN. CONTRACTOR TO INSTALL TREE PROTECTION BARRICADE PER FDOT STANDARD PLANS INDEX 110-100

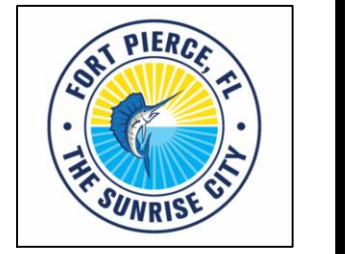
2 END PROJECT MP 15.032

2 RELOCATE EXISTING ROYAL PALM TREE SOUTH 20LF AND INSTALL TREE PROTECTION BARRICADE PER FDOT STANDARD PLANS INDEX 110 - 100

2 BEGIN PROJECT MP 14.999

**PORPOISE AVENUE BEACH ACCESS PARKING IMPROVEMENTS  
DEMOLITION PLAN**

No.	DATE	BY	REVISIONS
1	5/26/21		REV. PER FDOT



CITY OF FORT PIERCE  
DEPARTMENT OF ENGINEERING  
100 NORTH U.S. 1 P.O. BOX 1480  
FORT PIERCE, FLORIDA, 34954

DATE:  
JANUARY 12, 2021

SURVEY BY:

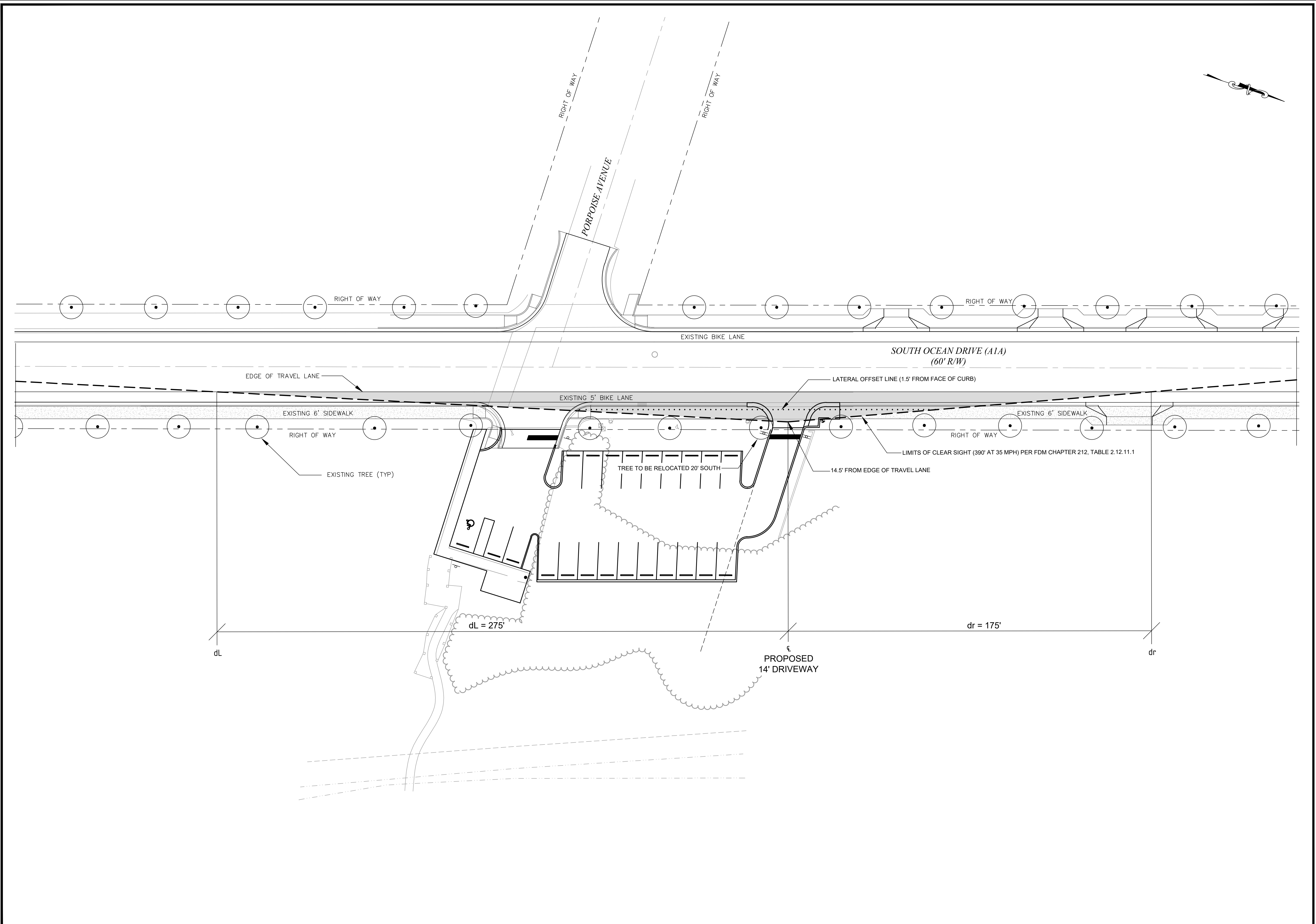
DESIGNED BY:  
T.TELLE

SCALE:  
1" = 10'

DRAWN BY:  
D.SUMNER

APPROVED BY:

SHEET No.  
**2 OF 8**



**PORPOISE AVENUE BEACH ACCESS PARKING IMPROVEMENTS  
CLEAR SIGHT PLAN**

No.	DATE	BY	REVISIONS



CITY OF FORT PIERCE  
DEPARTMENT OF ENGINEERING  
100 NORTH U.S. 1 P.O. BOX 1480  
FORT PIERCE FLORIDA, 34954

DATE:  
JANUARY 12, 2021

SURVEY BY:

DESIGNED BY:

SCALE:  
1" = 20'

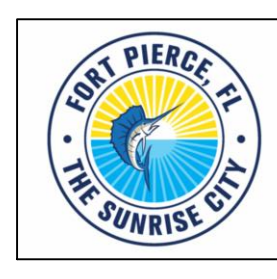
DRAWN BY:

APPROVED BY:

SHEET No.  
**3 OF 8**

**PORPOISE AVENUE BEACH ACCESS PARKING IMPROVEMENTS  
 PARKING LOT CONSTRUCTION PLAN**

No.	DATE	BY	REVISIONS
1	2/10/21	T.T.	PARKING LOT
2	5/26/21		REV. PER FDOT



CITY OF FORT PIERCE  
 DEPARTMENT OF ENGINEERING  
 100 NORTH U.S. 1 P.O. BOX 1480  
 FORT PIERCE, FLORIDA, 34954

DATE:  
 JANUARY 12, 2021

SURVEY BY:

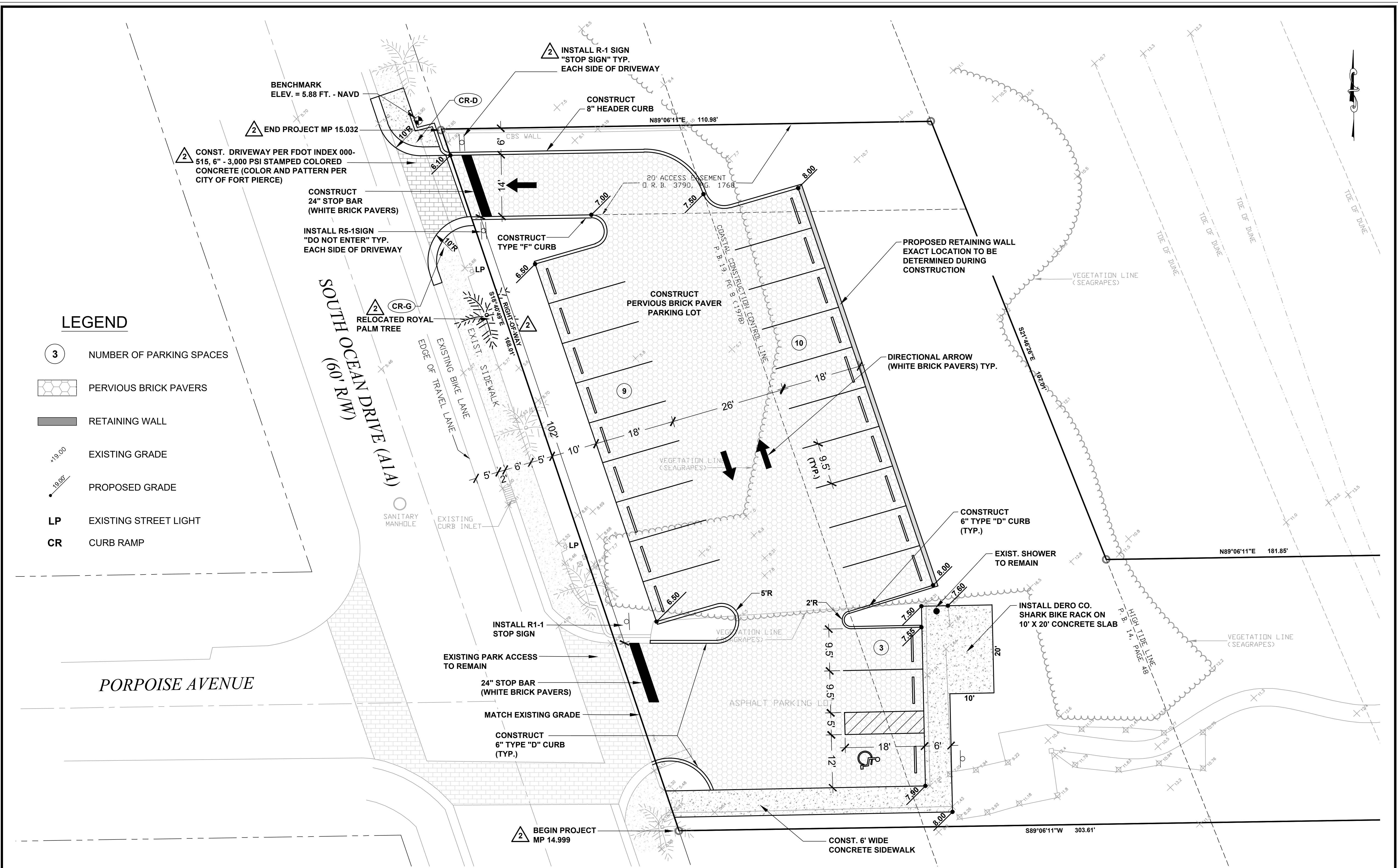
DESIGNED BY:

SCALE:  
 1" = 10'

DRAWN BY:

APPROVED BY:

SHEET No.  
**4 OF 8**



SOD

1. THE SOD SHALL BE CERTIFIED TO MEET FLORIDA STATE PLANT BOARD SPECIFICATIONS, ABSOLUTELY TRUE TO VARIETAL TYPE AND FREE FROM WEEDS, FUNGUS, INSECTS AND DISEASE OF ANY KIND. ALL SODDED AREAS SHALL BE GRASSED AS SPECIFIED ON PLANS AND SURVIVAL GUARANTEED FOR NINETY DAYS FROM DATE OF REPLACEMENT. SURVIVAL OF ALL RELOCATED TREES SHALL BE GUARANTEED FOR 1 YEAR AFTER TRANSPLANTING.
2. SODDING SHALL CONSIST OF SITE PREPARATION, FURNISHING AND PLACING SOD, STAPLES AND FERTILIZER AND IRRIGATING AT THE RATES AND MANNER DESCRIBED IN THIS SPECIFICATION FOR THE DESIGNATED AREAS.
3. UNLESS NOTED OTHERWISE ON LANDSCAPE PLANS, SOD SHALL BE ARGENTINE BAHIA GRASS AND SHALL BE 12-INCH BY 12-INCH SQUARES OR OTHER COMMERCIALLY AVAILABLE RECTANGLES. THE SOD SHALL BE SUFFICIENTLY THICK (MINIMUM THICKNESS OF 2 INCHES) TO PROVIDE A DENSE STAND OF LIVE GRASS. THE SOD SHALL HAVE BEEN GROWN ON MINERAL SOIL. SOD SHALL BE LIVE, FRESH, AND UNINJURED AT THE TIME OF PLANTING AND SHALL BE PROTECTED FROM DRYING OUT BY SHADING AND WATERING FROM THE TIME IT IS DUG UNTIL PLANTING.
4. FERTILIZER SHALL BE EITHER IN THE LIQUID OR DRY FORM. FERTILIZER SHALL BE UNIFORM IN COMPOSITION, FREE-FLOWING AND SUITABLE FOR APPLICATION WITH STANDARD EQUIPMENT. THE FERTILIZER SHALL CONFORM TO THE FLORIDA FERTILIZER LAWS IN EFFECT ON THE DATE OF IT BEING PLACED AND SHALL BE DELIVERED IN BAGS, BOTTLES, DRUMS, OR OTHER CONVENIENT CONTAINERS, EACH FULLY LABELED AND BEARING THE NAME, TRADEMARK, ANALYSIS, AND WARRANTY OF THE PRODUCT. FERTILIZER SHALL HAVE AN AVAILABLE PLANT FOOD ANALYSIS OF 18-0-10 OR EQUIVALENT PLANT FOOD VALUE AND SHALL BE MIXED WITH THE TOP 3 TO 4 INCHES OF SOIL. FERTILIZER SHALL BE APPLIED AT THE RATE OF 1 POUND PER 1,000 SQ. FT. NOT TO EXCEED 2-4 LBS. PER YEAR. ALL FERTILIZERS MUST BE AT LEAST 50% SLOW RELEASE NITROGEN AND CONTAIN NO PHOSPHORUS UNLESS THE SITE HAS BEEN TESTED AND VERIFIED AS PHOSPHORUS DEFICIENT BY THE UF-FAS EXTENSION OFFICE. ALL FERTILIZER APPLICATION SHALL BE IN ACCORDANCE WITH CITY OF FORT PIERCE ORDINANCES.

**SOIL EROSION PLAN**

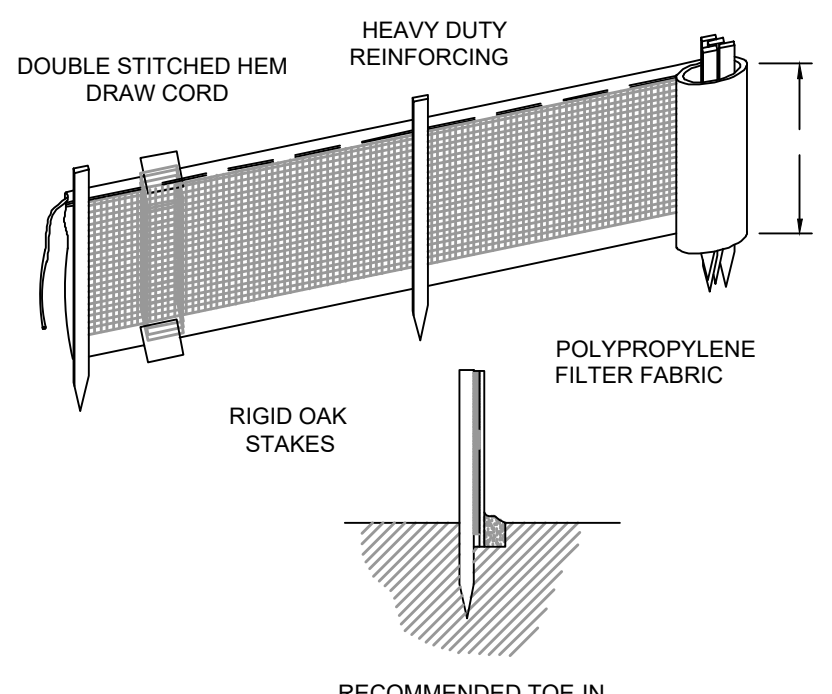
1. NO POLLUTION OR EROSION CAUSED BY THIS PROJECT WILL BE ALLOWED IN THE STORMWATER DRAINAGE SYSTEM. THE CONTRACTOR SHALL INSTALL ANY DEVICES NECESSARY TO PREVENT POLLUTION OR EROSION. THE COST OF POLLUTION AND EROSION CONTROL SHALL BE INCIDENTAL TO THE COST OF THE CONSTRUCTION.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A SITE SPECIFIC SOIL EROSION CONTROL PLAN. IN GENERAL, THE SOIL EROSION CONTROL PLAN SHALL REQUIRE THAT ALL ON-SITE SOILS WILL REMAIN ON-SITE AND WILL NOT ERODE INTO THE ADJACENT ROADSIDE SWALES, ADJACENT PROPERTIES OR RETENTION DITCHES. ALL EXISTING SWALES SHALL REMAIN SODDED DURING CONSTRUCTION. THE CONTRACTOR SHALL SCARIFY ONLY AS NECESSARY TO CONSTRUCT THE PROJECT. THE CONTRACTOR SHALL SCARIFY AREAS TO PLACE VARIOUS PIPE WORK. AFTER PLACEMENT OF THE PIPE, THESE TRENCHES SHALL BE BACKFILLED AND COMPACTED TO 98% MODIFIED PROCTOR WASH TO 1-180. PRIOR TO DISCHARGE FROM THE SITE, SILTATION BARRIERS SHALL BE UTILIZED AS PER THE MOST RECENT FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL. THE DRAINAGE WHICH OUTFALLS TO THE RETENTION AREAS SHALL BE STABILIZED AND SODDED IMMEDIATELY UPON COMPLETION OF CONSTRUCTION. ANY DEWATERING OR PUMPING OF WATER INTO THE ROADSIDE SWALES OR RETENTION SWALES SHALL BE STAKED WITH SILTATION FENCES AS PER THE MOST RECENT FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL. TO AVOID FILLING THESE AREAS, UPON COMPLETION OF THE SITE WORK, ALL AREAS SHALL BE SODDED TO AVOID EROSION. CONTRACTOR IS REQUIRED TO COMPLY WITH ALL STATE WATER QUALITY CRITERIA. SPECIFICALLY, NO OFF-SITE DISCHARGES WILL BE ALLOWED WHICH EXCEED THE STATE TURBIDITY CRITERIA.

**WATER QUALITY NOTES**

1. THE CONTRACTOR MUST MAINTAIN A COPY OF THE LATEST LOCAL WATER MANAGEMENT DISTRICT SURFACE WATER PERMIT, COMPLETE WITH ALL CONDITIONS, ATTACHMENTS, EXHIBITS AND PERMIT MODIFICATIONS IN GOOD CONDITION AT THE CONSTRUCTION SITE. THE COMPLETE PERMIT MUST BE AVAILABLE FOR REVIEW UPON REQUEST BY DISTRICT REPRESENTATIVES. THE CONTRACTOR SHALL REVIEW THE COMPLETE PERMIT PRIOR TO COMMENCEMENT OF THE ACTIVITY AUTHORIZED BY THE PERMIT.
2. ALL ACTIVITIES SHALL BE IMPLEMENTED AS SET FORTH IN THE PLANS, SPECIFICATIONS AND PERFORMANCE CRITERIA AS APPROVED BY LOCAL SURFACE WATER PERMIT. ANY DEVIATION FROM THE PERMITTED ACTIVITY AND THE CONDITIONS FOR UNDERTAKING THAT ACTIVITY SHALL BE CONSIDERED A VIOLATION OF THE PERMIT. PRIOR TO ANY WORK COVERED BY A PERMIT FROM SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD), A NOTICE OF CONSTRUCTION COMMENCEMENT (FORM 0960) MUST BE SUBMITTED TO SFWMD BY THE PERMITTEE OR AUTHORIZED AGENT.
3. PRIOR TO AND DURING CONSTRUCTION, THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES (BEST MANAGEMENT PRACTICES) REQUIRED TO RETAIN SEDIMENT ON-SITE AND TO PREVENT VIOLATIONS OF STATE WATER QUALITY STANDARDS. ALL PRACTICES MUST BE IN ACCORDANCE WITH THE GUIDELINES AND SPECIFICATIONS IN CHAPTER 6 OF THE FLORIDA LAND DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATIONS 1988), WHICH ARE HEREBY INCORPORATED BY REFERENCE, UNLESS A PROJECT'S SPECIFIC EROSION AND SEDIMENT CONTROL PLAN IS APPROVED AS PART OF THE SFWMD PERMIT. IN WHICH CASE THE PRACTICES MUST BE IN ACCORDANCE WITH THE PLAN. IF SITE'S SPECIFIC CONDITIONS REQUIRE ADDITIONAL MEASURES DURING ANY PHASE OF CONSTRUCTION OR OPERATION TO PREVENT EROSION OR CONTROL SEDIMENT, BEYOND THOSE SPECIFIED IN THE EROSION AND SEDIMENT CONTROL PLAN, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL BEST MANAGEMENT PRACTICES AS NECESSARY. IN ACCORDANCE WITH THE SPECIFICATIONS IN CHAPTER 6 OF THE FLORIDA LAND DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION 1988), THE CONTRACTOR SHALL CORRECT ANY EROSION OR SHOALING THAT CAUSES ADVERSE IMPACTS TO THE WATER RESOURCES AT NO ADDITIONAL COST TO OWNER.
4. STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN SEVEN (7) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

**CLEAN-UP**

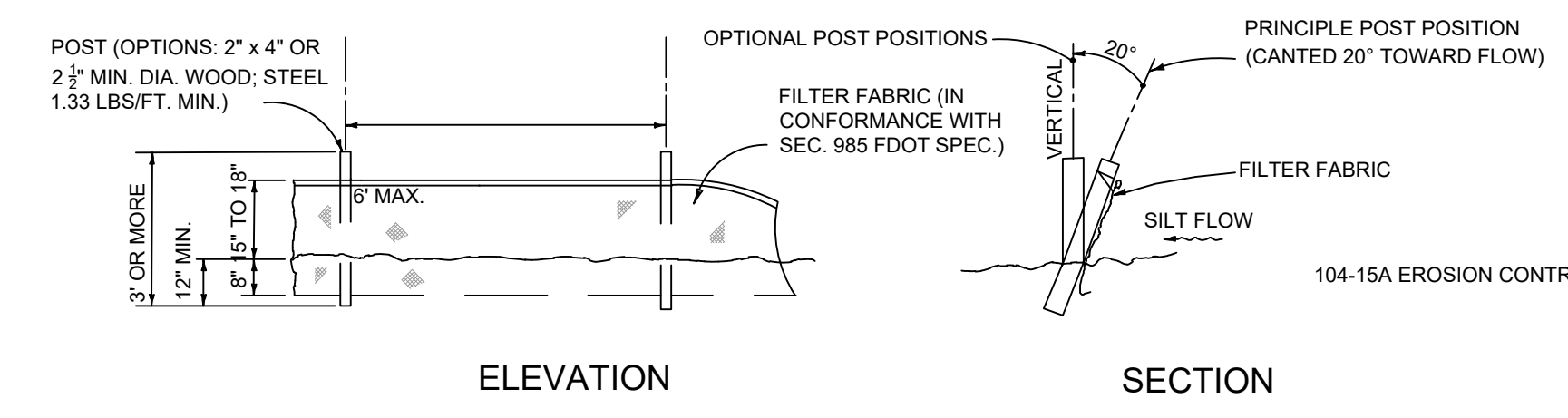
1. THE CONTRACTOR SHALL MAINTAIN THE JOB SITE IN A NEAT CONDITION AT ALL TIMES AND SHALL RESTORE / REPAIR ALL DRIVEWAYS, SIDEWALKS, UTILITIES, LANDSCAPING, IRRIGATION SYSTEMS, ETC., AFFECTED BY CONSTRUCTION ACTIVITIES.
2. THE CONTRACTOR SHALL REMOVE ALL EXCESS MATERIALS, DEBRIS, EQUIPMENT, ETC., FROM THE JOBSITE IMMEDIATELY AFTER COMPLETION OF CONSTRUCTION OPERATIONS.
3. FOR FURTHER SITE MAINTENANCE REQUIREMENTS THE CONTRACTOR IS REFERRED TO THE "AGREEMENT BETWEEN OWNER AND CONTRACTOR".
4. UNLESS OTHERWISE SPECIFIED OR NOTED, ALL DISTURBED AREAS TO BE RESTORED BY CONTRACTOR TO PRE-CONSTRUCTION CONDITION OR BETTER PRIOR TO ACCEPTANCE BY THE OWNER OR LOCAL APPROVING AUTHORITY.



**NOTES:**

1. SILT FENCE SHALL BE INSTALLED PER MANUFACTURES SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL CONSTRUCTION IS COMPLETE.
2. THE CONTRACTOR SHALL INSPECT AND REPAIR THE SILT FENCE AFTER EACH RAIN EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
3. REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFFSITE AND CAN BE PERMANENTLY STABILIZED.
4. THE SILT FENCE SHALL BE PLACED ON SLOPE CONTOUR TO MAXIMIZE ITS PONDING EFFICIENCY.

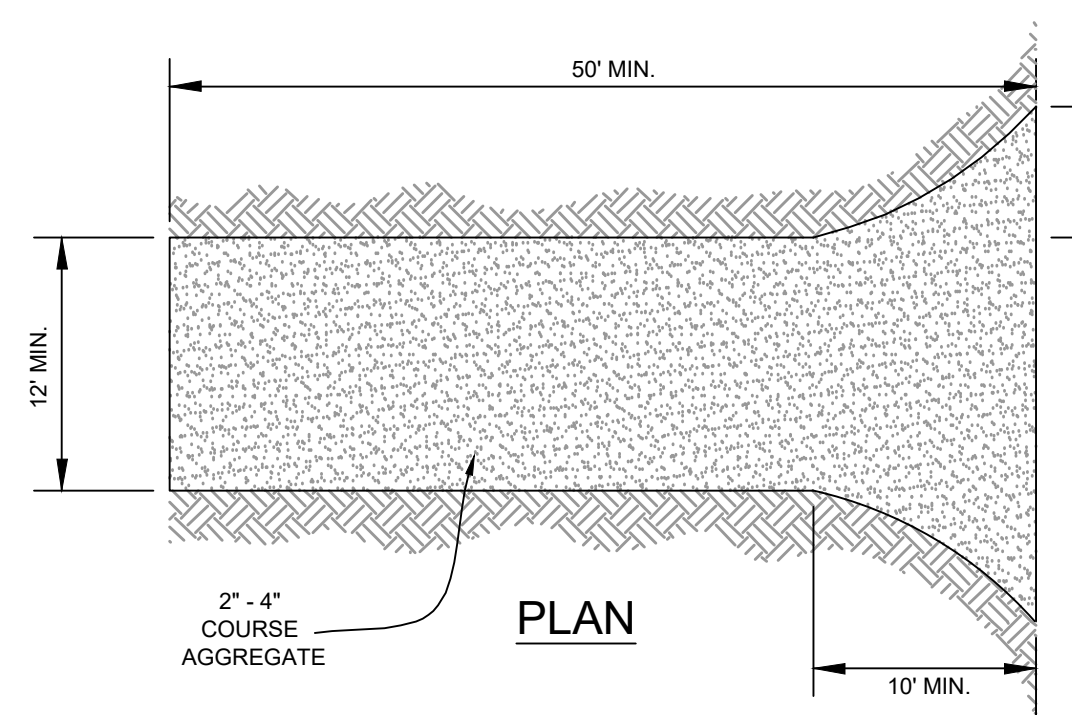
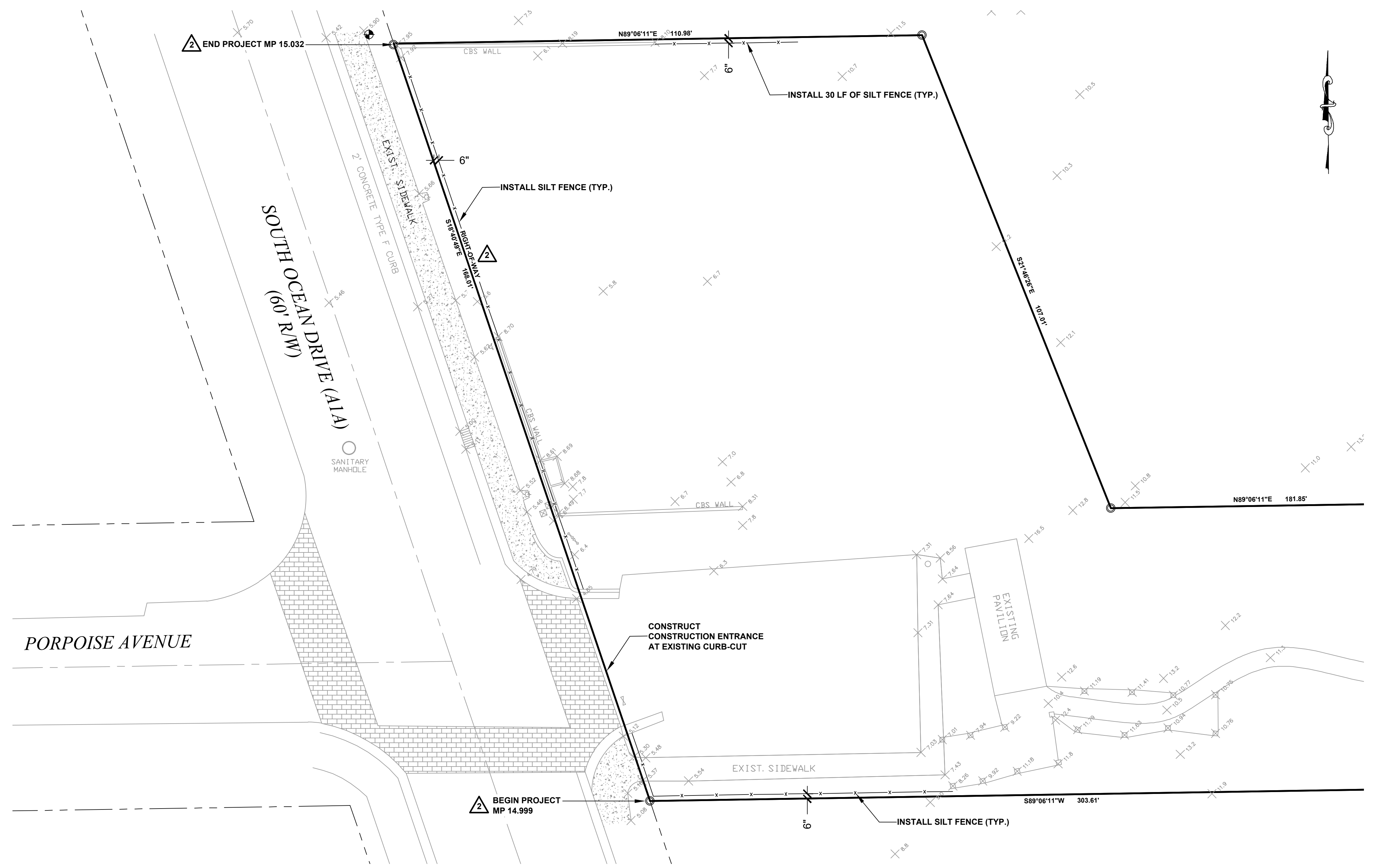
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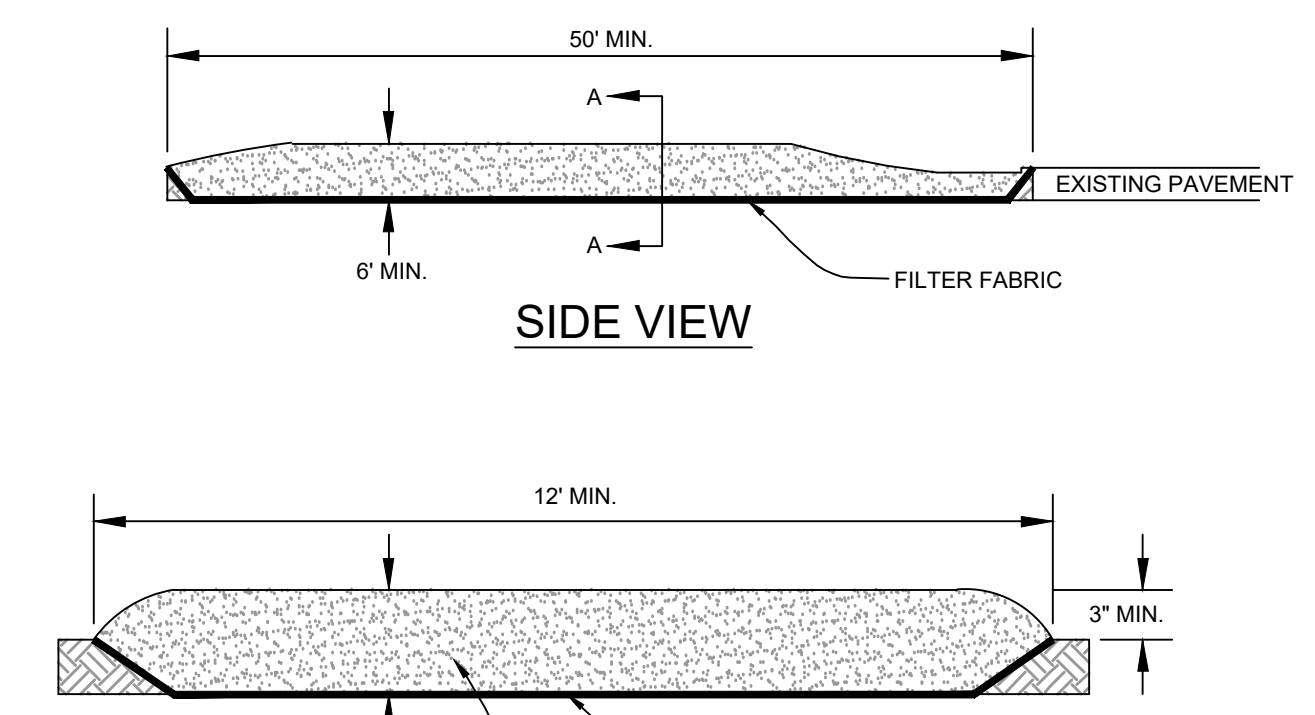
**ELEVATION**

**SECTION**

104-15A EROSION CONTROL MEASURES.



**PLAN**



**SIDE VIEW**

**SECTION A-A**

**TEMPORARY GRAVEL CONSTRUCTION ENTRANCE**

N.T.S.

**PORPOISE AVENUE BEACH ACCESS PARKING IMPROVEMENTS  
STORMWATER POLLUTION PREVENTION  
PLAN AND DETAILS**

NO.	DATE	BY	REVISIONS
1	5/29/21		REV. PER FDOT

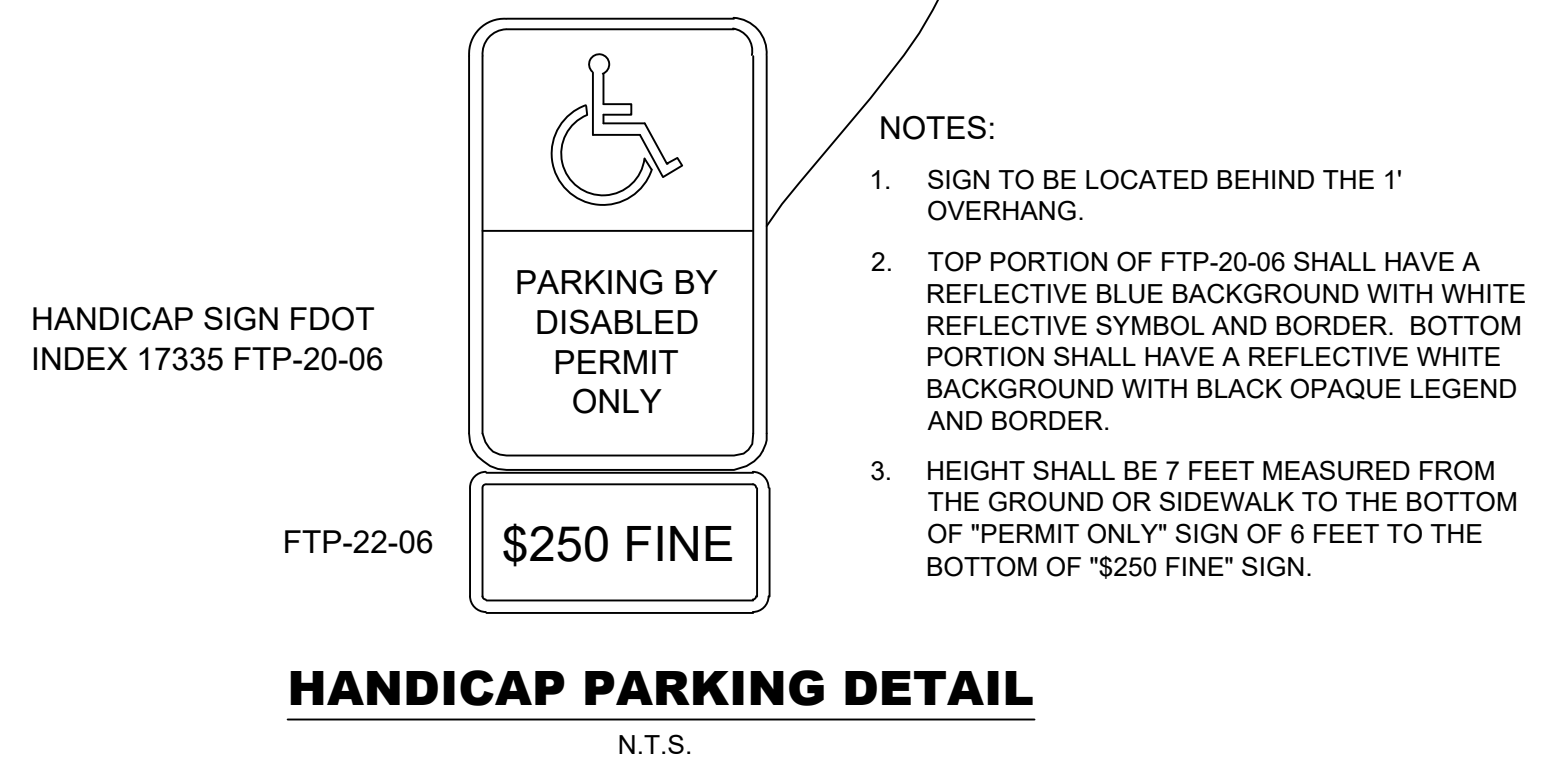
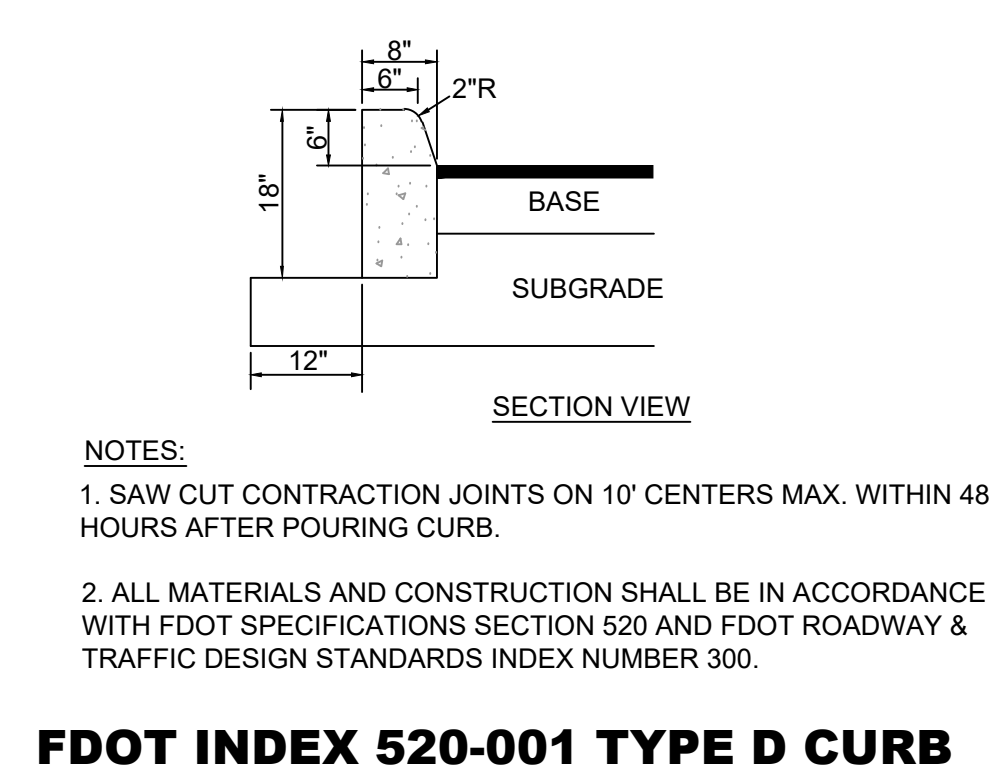
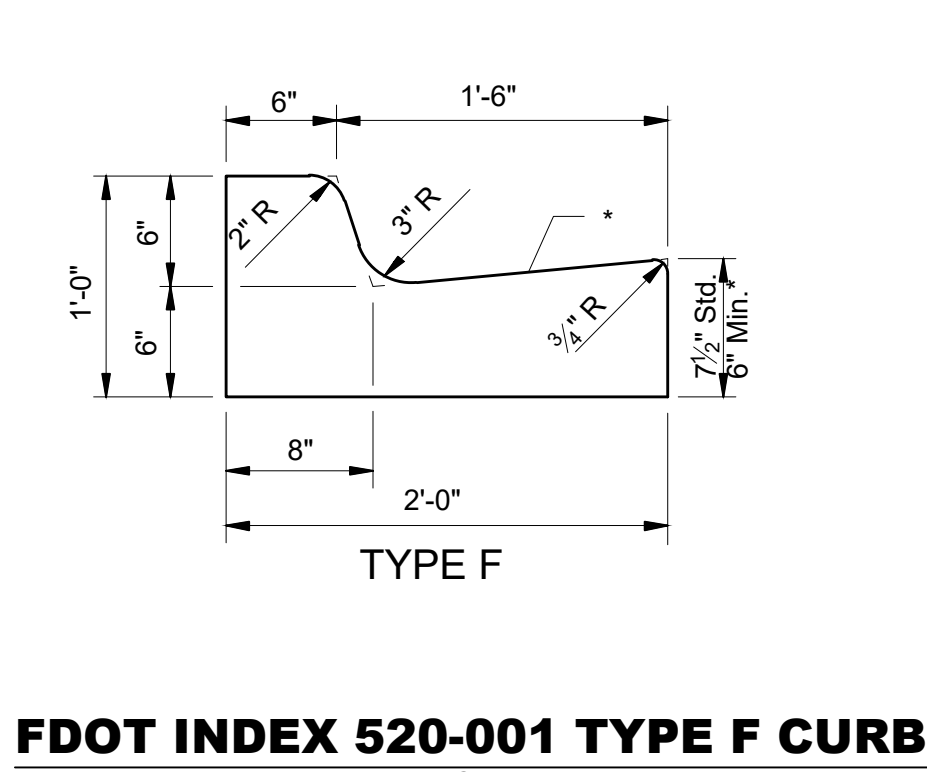
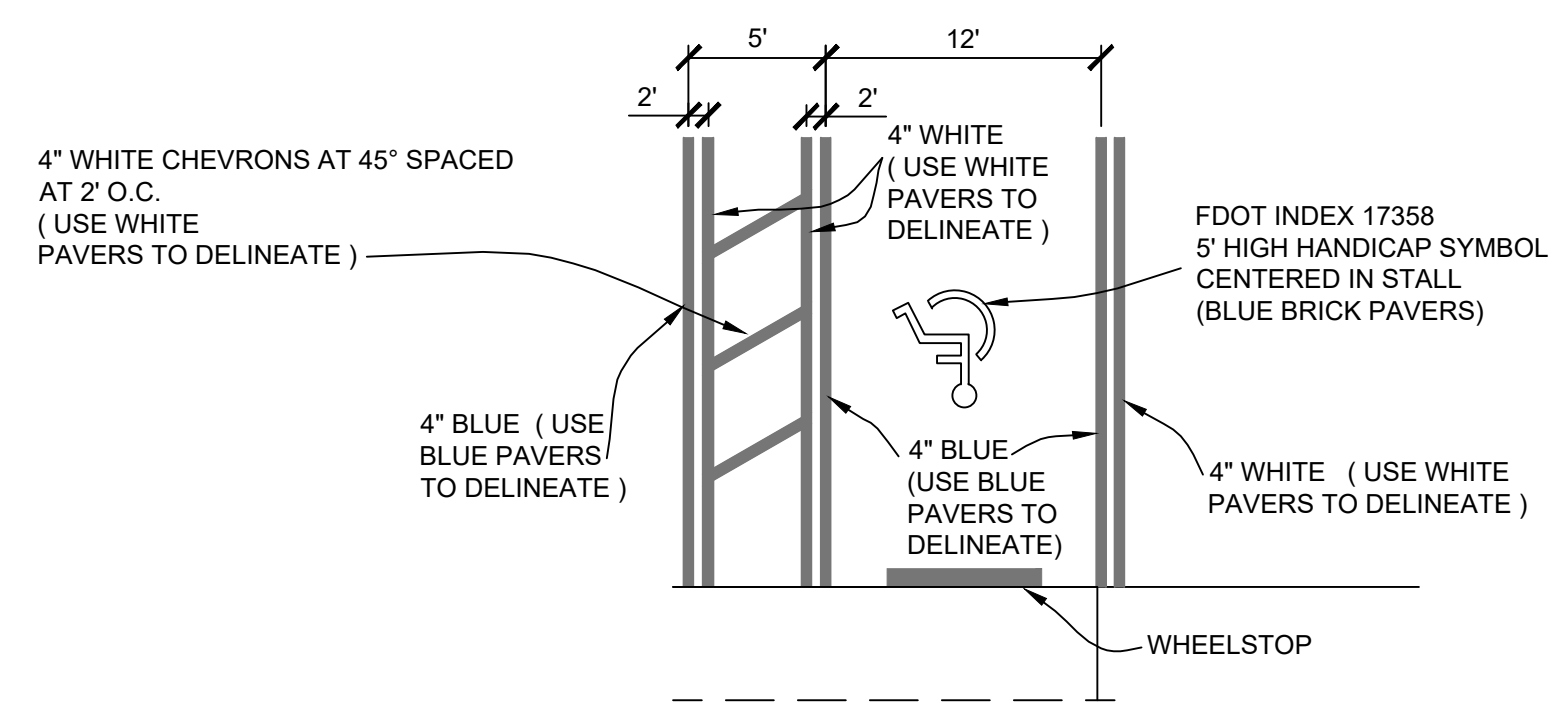
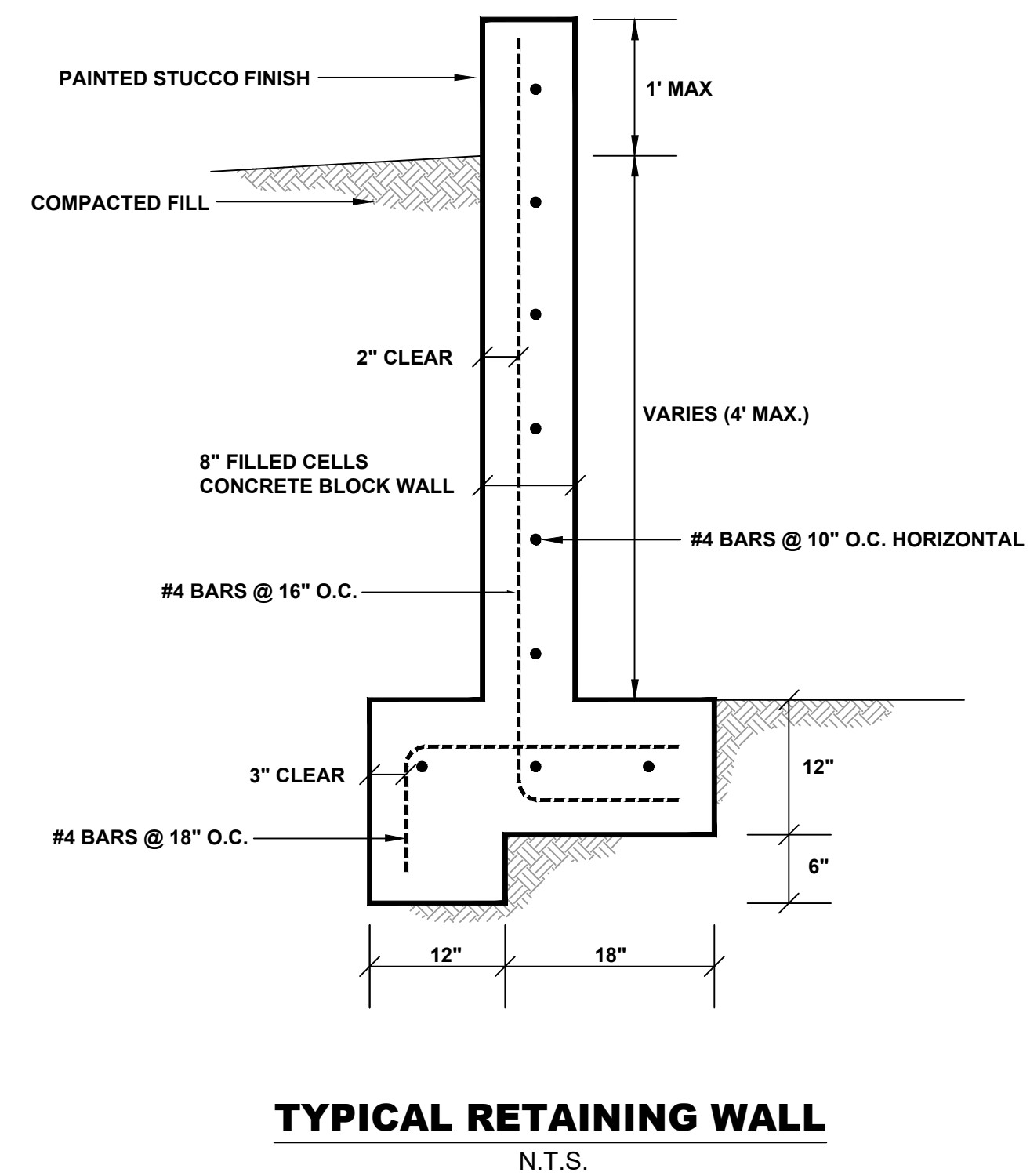
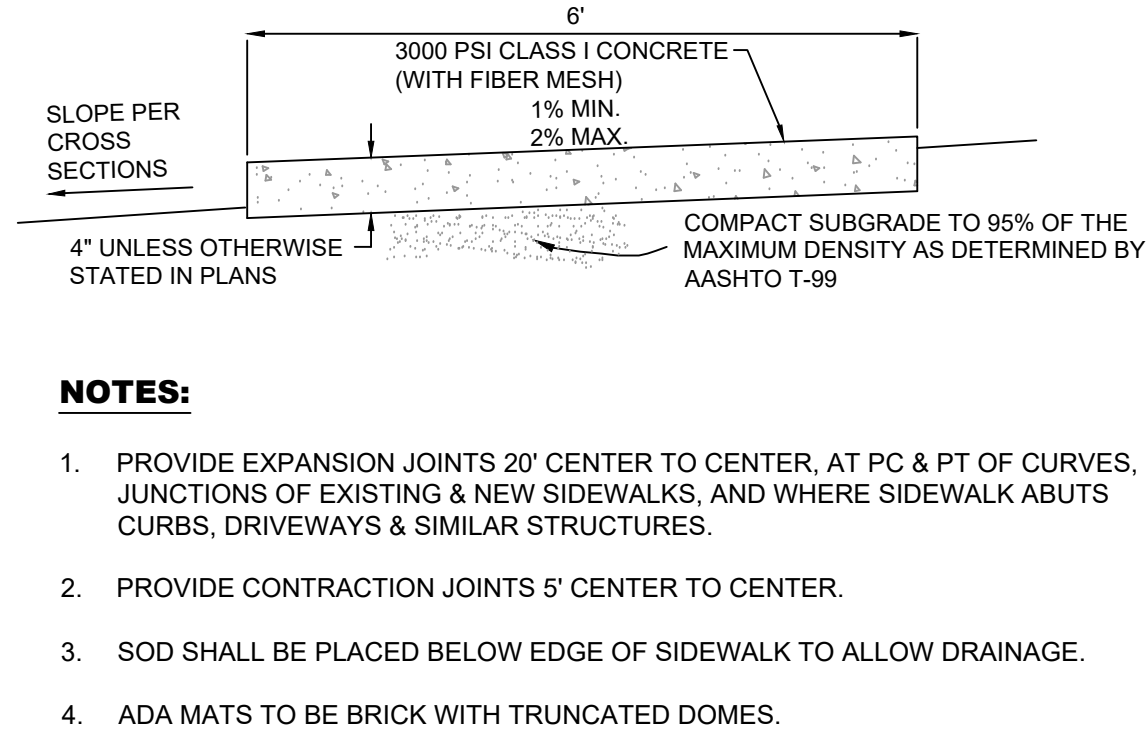
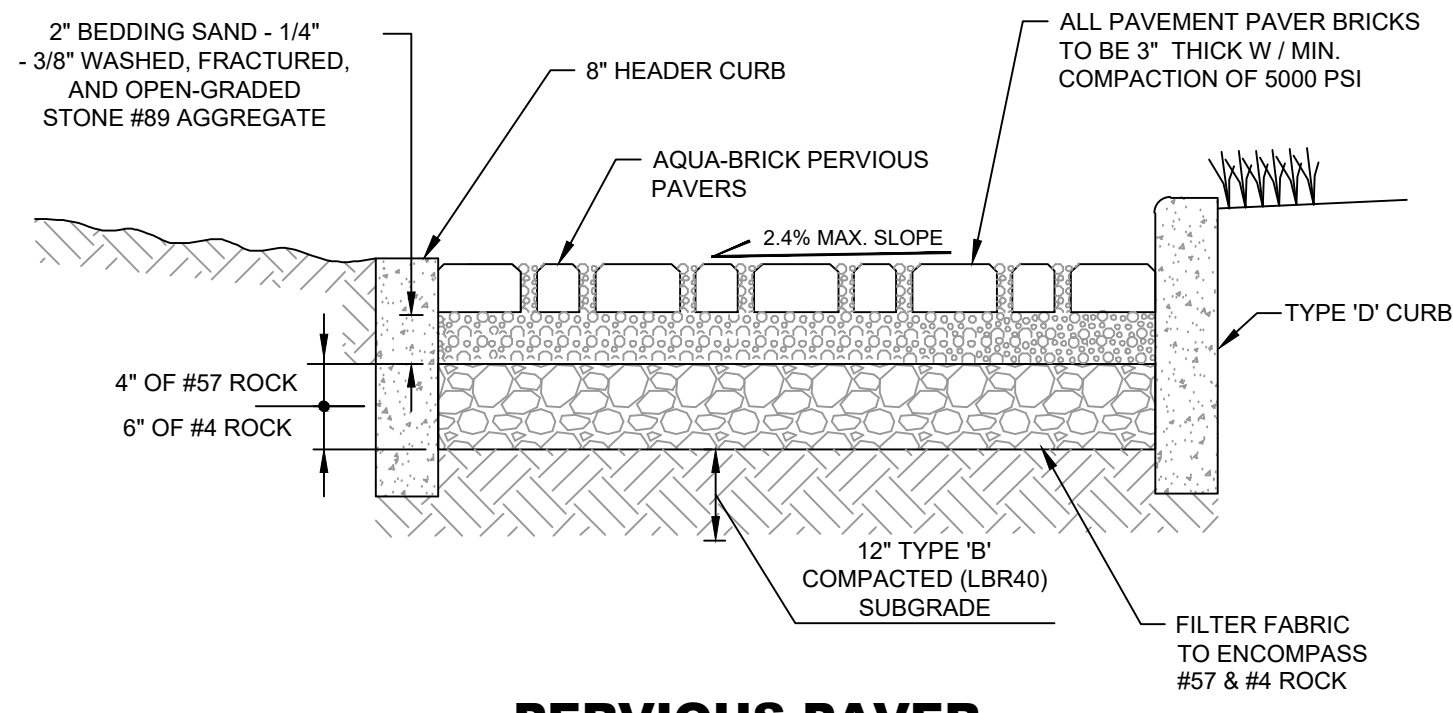
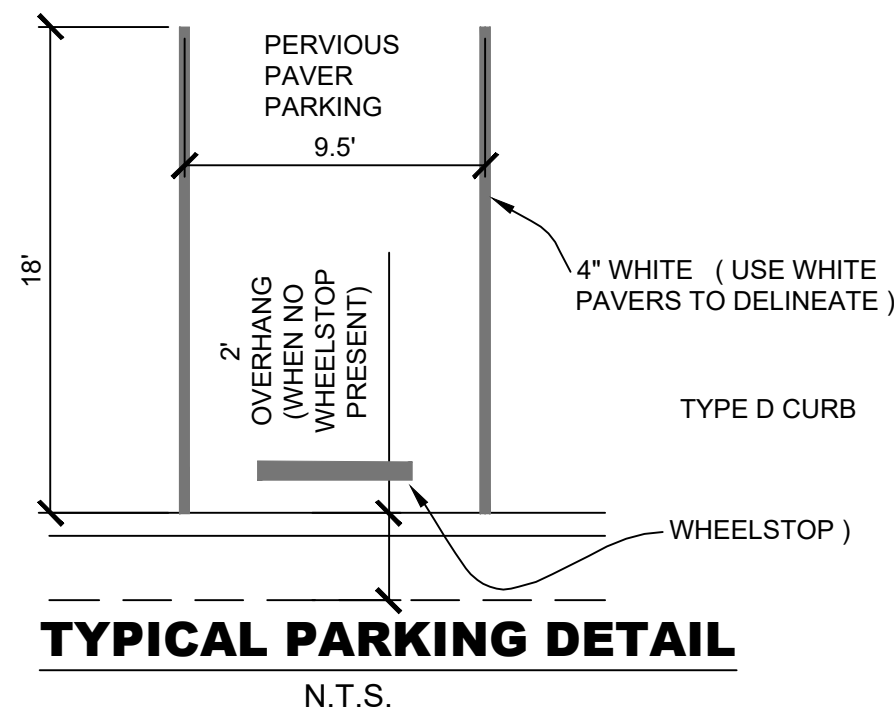


CITY OF FORT PIERCE  
DEPARTMENT OF ENGINEERING  
100 NORTH U.S. 1 P.O. BOX 1480  
FORT PIERCE FLORIDA, 34954

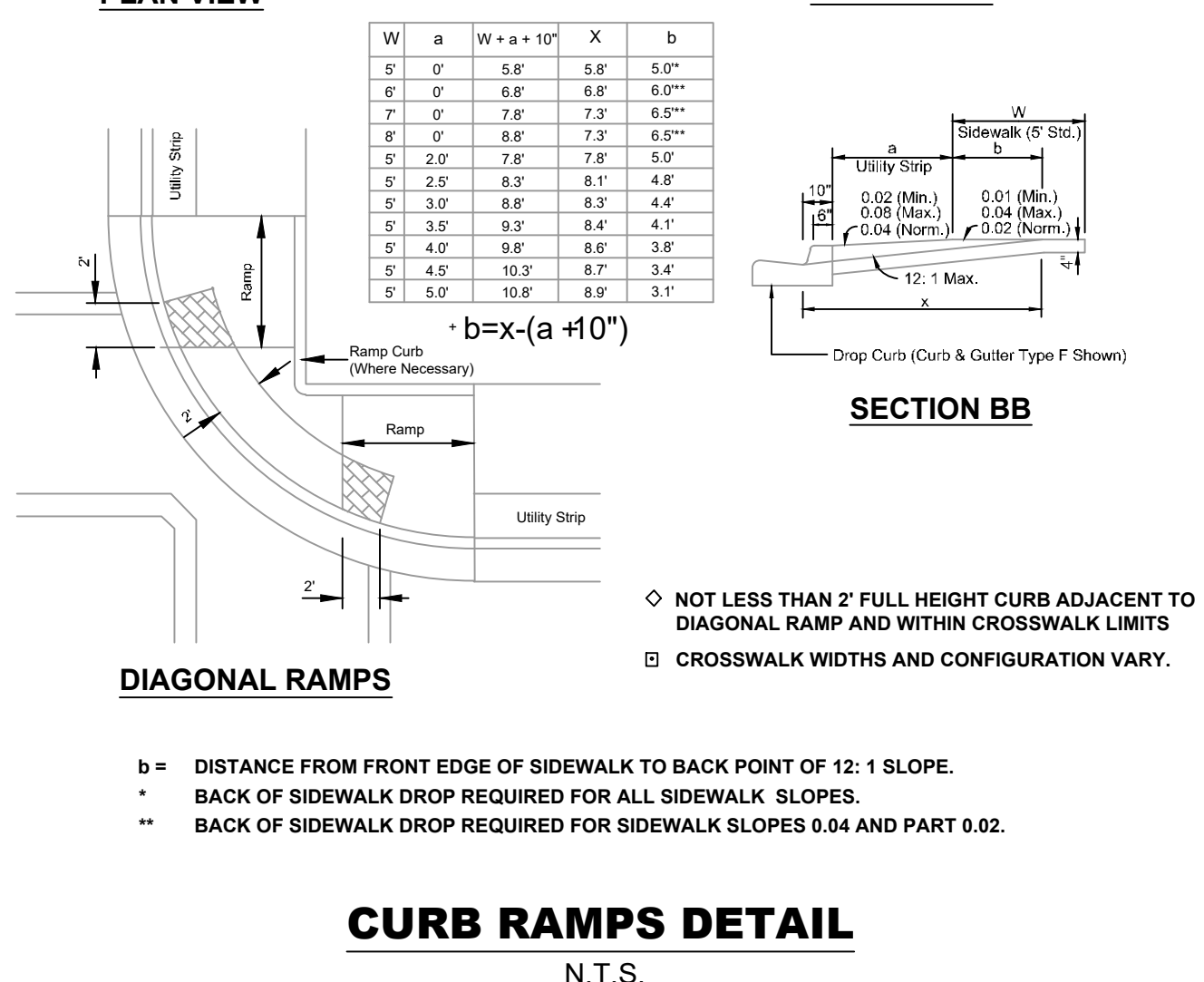
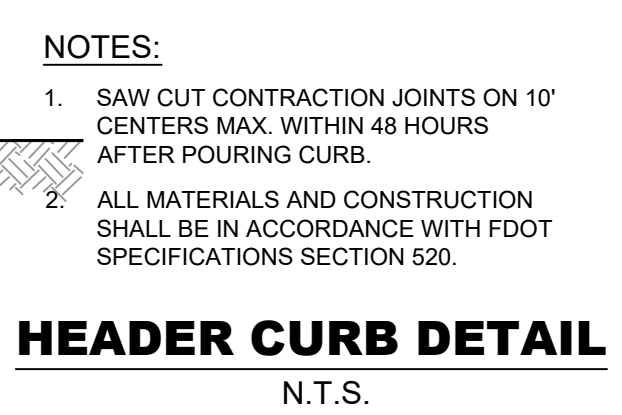
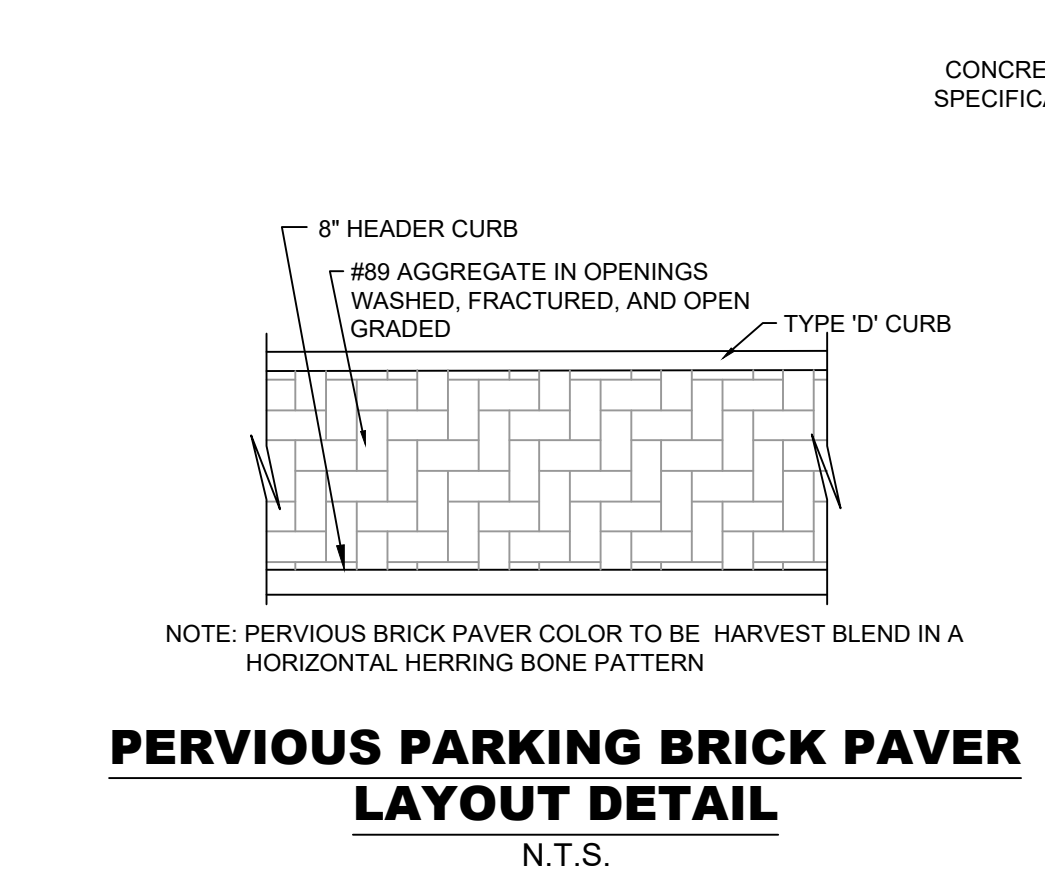
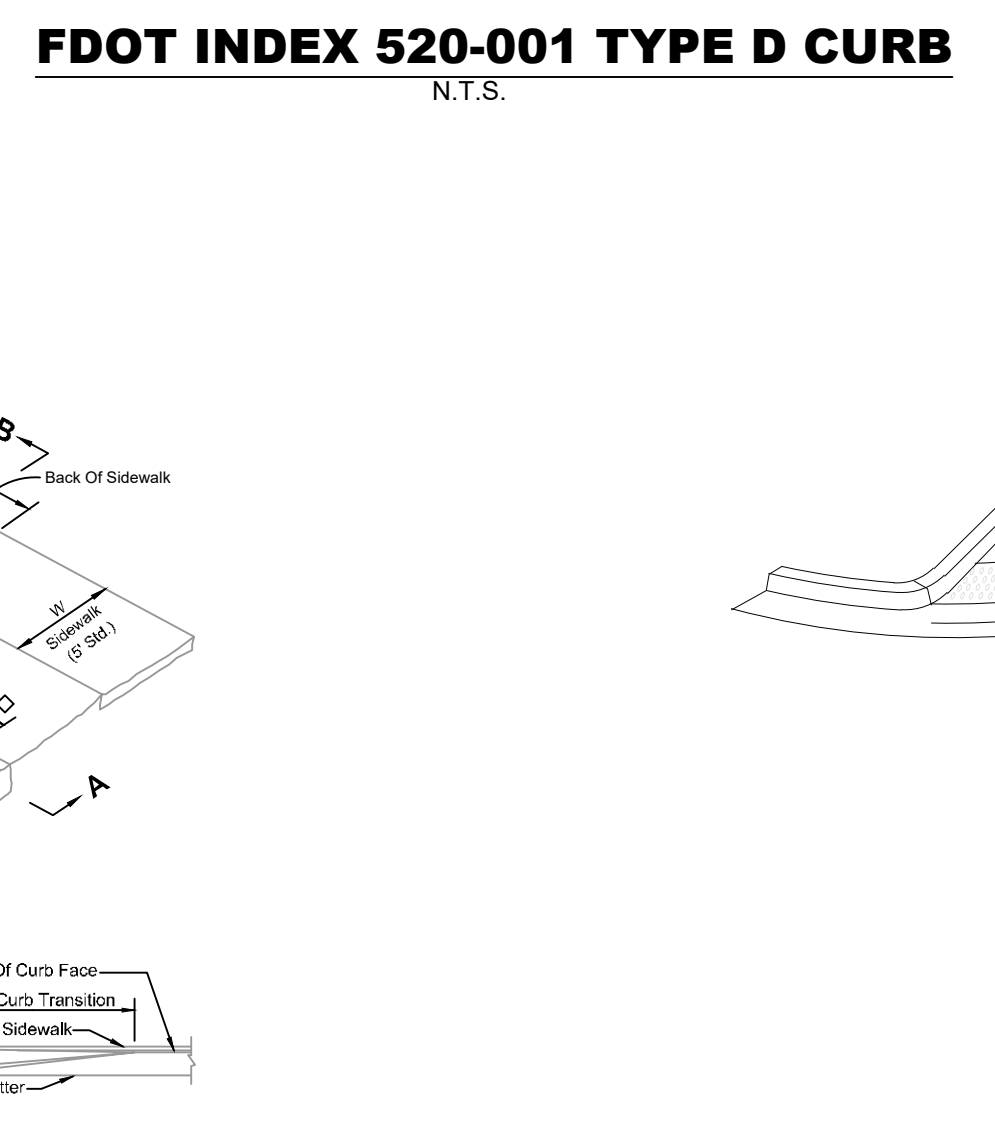
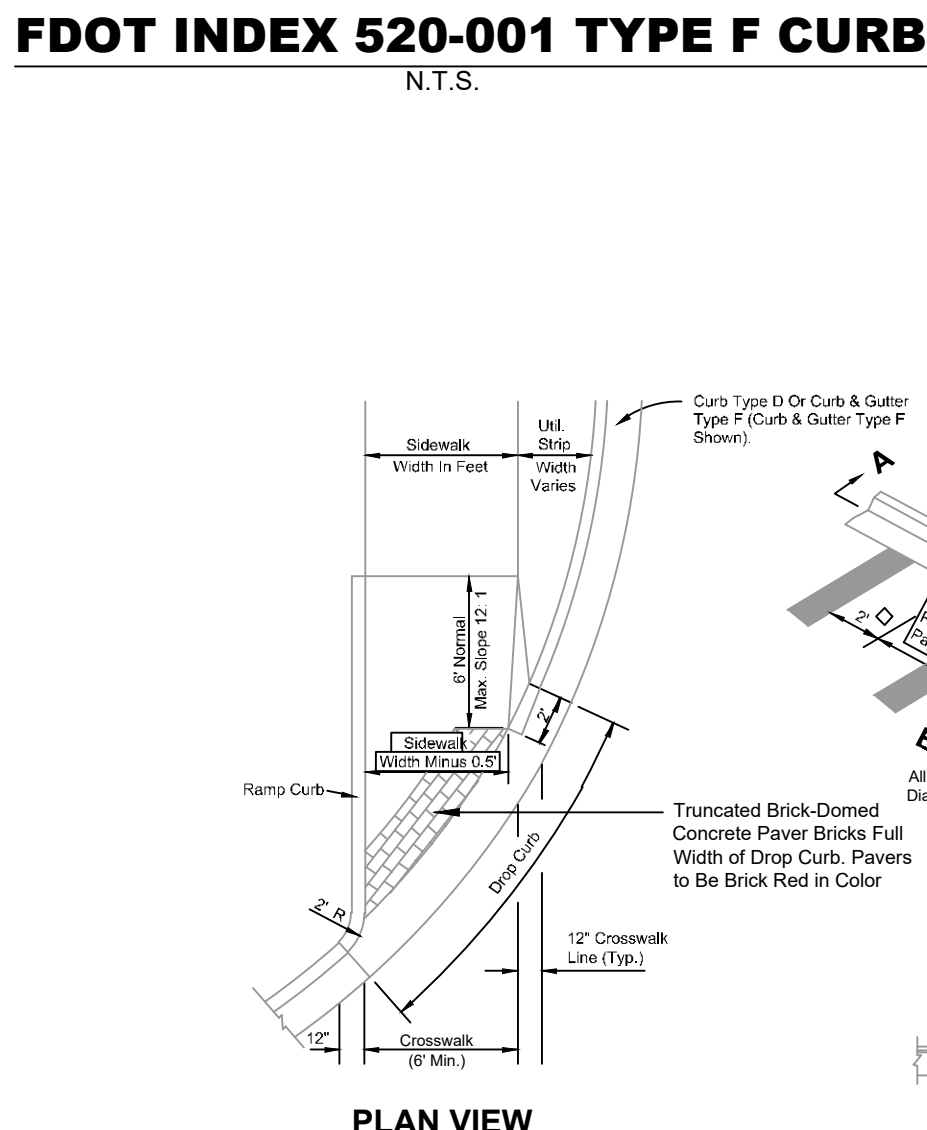
DATE:	JANUARY 12, 2021
SURVEY BY:	
DESIGNED BY:	T.TELLE
SCALE:	N.T.S.
DRAWN BY:	D.SUMNER
APPROVED BY:	

SHEET No.  
**5 OF 8**

C:\Engineering\CADD Files\Drawings\Facilities\Parke\Porpoise Beach Access\Porpoise Avenue Beach Access Parking Improvements.dwg



**HANDICAP PARKING DETAIL**  
N.T.S.



PORPOISE AVENUE BEACH ACCESS PARKING IMPROVEMENTS  
SITE DETAILS

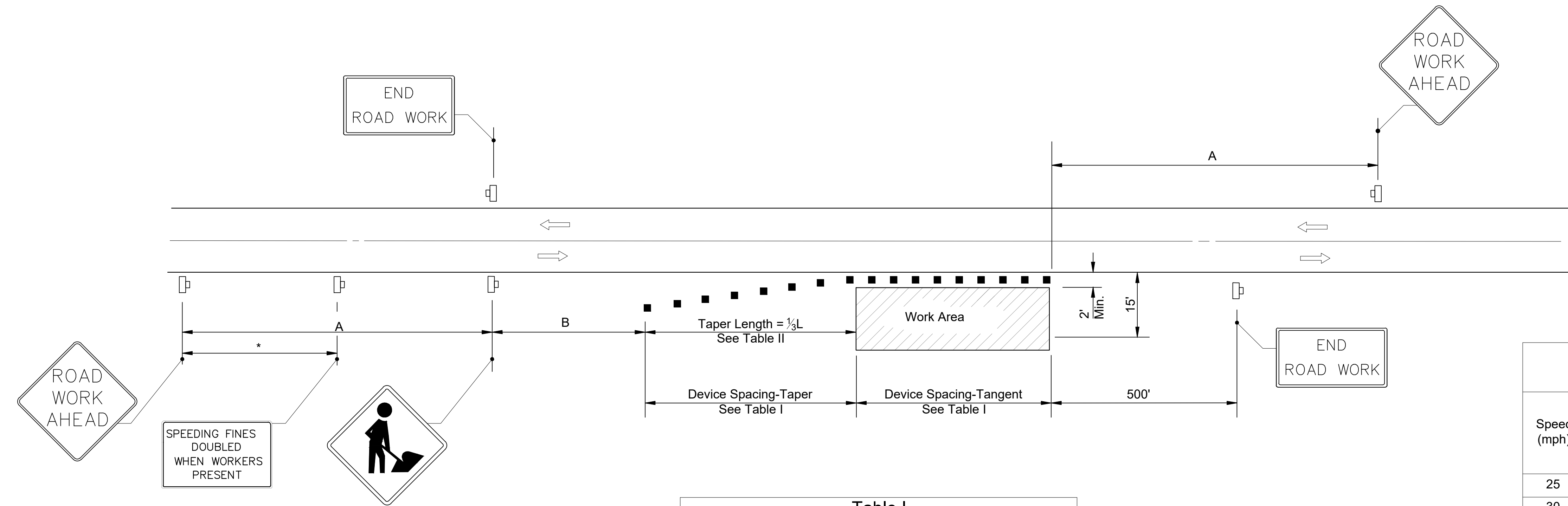
NO.	DATE	BY	REVISIONS



CITY OF FORT PIERCE  
DEPARTMENT OF ENGINEERING  
100 NORTH U.S. 1 P.O. BOX 1480  
FORT PIERCE FLORIDA, 34954

DATE:	JANUARY 12, 2021
SURVEY BY:	
DESIGNED BY:	
SCALE:	N.T.S.
DRAWN BY:	
APPROVED BY:	

SHEET No.  
**6 OF 8**



Speed	Spacing (ft.)	
	A	B
40 mph or less	200	200
45 mph	350	350
50 mph or greater	500	500

\*Midway between signs.

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

Speed (mph)	$\frac{1}{3}L$ (ft)			Notes
	8' Shldr.	10' Shldr.	12' Shldr.	
25	28	35	42	$L = \frac{WS^2}{60}$
30	40	50	60	
35	55	68	82	
40	72	90	107	$L=WS$
45	120	150	180	
50	133	167	200	
55	147	183	220	
60	160	200	240	
65	173	217	260	
70	187	233	280	

8' = minimum shoulder width  
 $\frac{1}{3}L$  = Length of shoulder taper in feet  
 W = Width of total shoulder in feet (combined paved and unpaved width)  
 S = Posted speed limit (mph)

- SYMBOLS**
- Work Area
  - Channelizing Device (See Index 102-600)
  - Work Zone Sign
  - Lane Identification + Direction of Traffic

- GENERAL NOTES**
- When four or more work vehicles enter the through traffic lanes in a one hour period or less (excluding establishing and terminating the work area), the advanced FLAGGER sign shall be substituted for the WORKERS sign. For location of flaggers and FLAGGER signs, see Index 102-603.
  - SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign only on the side where the shoulder work is being performed.
  - When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
  - For general TCZ requirements and additional information, refer to Index 102-600.

- DURATION NOTES**
- Signs and channelizing devices may be omitted if all of the following conditions are met:
    - Work operations are 60 minutes or less.
    - Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

**CONDITIONS**  
 WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 2' TO THE EDGE OF TRAVEL WAY.

No.	DATE	BY	REVISIONS



CITY OF FORT PIERCE  
 DEPARTMENT OF ENGINEERING  
 100 NORTH U.S. 1 P.O. BOX 1480  
 FORT PIERCE FLORIDA, 34954

DATE:  
 JANUARY 12, 2021

SURVEY BY:

DESIGNED BY:

SCALE:  
 N.T.S.

DRAWN BY:

APPROVED BY:

SHEET No.  
 7 OF 8

**GENERAL NOTES**

1. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGE OR DEVIATIONS FROM THE DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE ENGINEER.
2. THE CONTRACTOR SHALL CONTACT ALL CONCERNED UTILITIES AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF CONSTRUCTION OPERATIONS.
3. THE LOCATION AND SIZE OF ALL EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE BASED ON THE BEST AVAILABLE INFORMATION. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS AND BY HAND EXCAVATION IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS SHALL BE RESOLVED BY THE ENGINEER AND THE OWNER PRIOR TO BEGINNING ANY CONSTRUCTION OPERATIONS. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
4. THE CONTRACTOR SHALL PROVIDE A QUALIFIED SUPERINTENDENT TO REMAIN ON THE JOB SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED. THE SUPERINTENDENT SHALL BE PRESENT AT THE PRE- CONSTRUCTION MEETING. THE CONTRACTOR SHALL NOTIFY THE LOCAL UTILITY COMPANY BY LETTER PRIOR TO THE PRE-CONSTRUCTION MEETING APPOINTING THE SUPERINTENDENT FOR THIS PROJECT INCLUDING A FORMAL RESUME SHOWING QUALIFICATIONS.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE COMPLETE FAMILIARITY WITH THE PROJECT SITE AND COMPONENTS WHICH INCLUDE SUBSURFACE CONDITIONS OF SOIL AND GROUNDWATER TABLE. BY SUBMITTAL OF A BID FOR THIS PROJECT, THE CONTRACTOR ACKNOWLEDGES THEIR COMPLETE UNDERSTANDING AND RESPONSIBILITIES WITH RESPECT TO THE CONSTRUCTION ACTIVITIES REQUIRED UNDER THE SCOPE OF THIS PROJECT.
6. THE CONTRACTOR SHALL PROVIDE ONE (1) REPRODUCIBLE MYLAR COPY, FIVE (5) BLACK LINE COPIES AND ONE (1) DIGITAL FORMAT OF A CERTIFIED AS-BUILT SURVEY. DRAWINGS SHALL BEAR THE ORIGINAL SIGNATURE AND EMBOSSED SEAL OF THE SURVEYOR AND SHALL BE SUBMITTED AFTER THE COMPLETION OF CONSTRUCTION, BUT PRIOR TO FINAL APPROVAL. THE AS-BUILT SURVEY SHALL BE PREPARED IN PLAN AND PROFILE FORMAT BY A LICENSED PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA AND SHALL COMPLY WITH APPLICABLE PROVISIONS OF THE FLORIDA ADMINISTRATIVE CODE AND CHAPTER 472 OF THE FLORIDA STATUTES. THE DRAWINGS SHALL BE AT A SCALE COMPARABLE TO THE DESIGN DRAWINGS PREPARED BY THE ENGINEER AND SHALL REFERENCE THE BASE LINE OF SURVEY APPEARING ON THE ENGINEERING DRAWINGS. THE HORIZONTAL AND VERTICAL LOCATION OF THE ROADWAYS, DRAINAGE FACILITIES AND ALL APPURTENANCES SHALL BE ACCURATELY DEPICTED TO SCALE AND SHALL BE IDENTIFIED RELATIVE TO THE BASE LINE AND TO READILY IDENTIFIABLE PERMANENT OR SEMI-PERMANENT REFERENCE POINTS EXISTING AFTER THE COMPLETION OF CONSTRUCTION. LOCATIONS SHALL BE DETERMINED FOR ALL DRAINAGE FACILITIES AT CHANGES IN HORIZONTAL AND VERTICAL DIRECTION, AND AT A MINIMUM INTERVAL NOT EXCEEDING ONE HUNDRED FEET (100'). THE PROFILE SHALL ACCURATELY REFLECT THE VERTICAL PIPE LOCATION AND THE FINISHED GRADE OVER THE PIPE.
7. ALL CONSTRUCTION IS TO BE IN ACCORDANCE WITH FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS LATEST EDITION AND THE CITY OF FORT PIERCE CONSTRUCTION STANDARDS.
8. ANY MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHOULD NOTIFY:  
THE NATIONAL GEODETIC GULF COAST ADVISOR  
ATTN: DENIS RIORDAN, PSM, NOAA  
JACKSON MS 39213  
EMAIL: DENIS.RIORDAN@NOAA.GOV  
MOBILE: (240) 678-2107
9. BENCH MARK DATA IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
10. CONTRACTOR TO UTILIZE "APPROVED FOR CONSTRUCTION" PLANS ONLY.
11. CONTRACTOR SHALL PROVIDE MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH FDOT STANDARD PLANS INDEX NO. 102-600.
12. ANY ROYAL PALM TREES IMPACTED BY THE CONSTRUCTION SHALL BE RELOCATED PER THE DIRECTION OF THE CITY OF FORT PIERCE ENGINEERING DEPARTMENT. COSTS ASSOCIATED WITH THE RELOCATION, INCLUDING IRRIGATION PROVISIONS SHALL BE INCLUDED IN THE GENERAL CONDITIONS LUMP SUM BID ITEM.
13. DETECTABLE WARNING SURFACES SHALL BE COMPRISED OF TRUNCATED DOME CONCRETE PAVING BRICKS (4"x8"x2-3/8"), BRICK RED IN COLOR, AND CONSTRUCTED ON A CONCRETE SUB-SLAB.
14. CONCRETE UTILIZED IN CURB AND GUTTER, SIDEWALK, AND URBAN FLARED TURN-OUT CONSTRUCTION SHALL CONSIST OF 3,000 PSI FIBER REINFORCED MIX.

**PAVING, GRADING AND DRAINAGE**

1. ALL UNSUITABLE MATERIALS, SUCH AS MUCK, ORGANIC MATERIAL AND OTHER DELETERIOUS MATERIAL AS CLASSIFIED BY AASHTO M 145, FOUND SHALL BE REMOVED DOWN TO ROCK OR SUITABLE MATERIAL, AND REPLACED WITH THE SPECIFIED FILL MATERIAL IN MAXIMUM 12 INCH LIFTS COMPACTED TO NOT LESS THAN 100% MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE IN ACCORDANCE WITH AASHTO T-99. THICKNESS OF LAYERS MAY BE INCREASED, PROVIDED THAT THE EQUIPMENT AND METHODS USED ARE PROVEN BY FIELD DENSITY TESTING AND CAPABLE OF COMPACTING THICK LAYERS TO SPECIFIED DENSITIES.
2. ALL AREAS SHALL BE CLEARED AND GRUBBED PRIOR TO CONSTRUCTION. THIS SHALL CONSIST OF THE COMPLETE REMOVAL AND DISPOSAL OF ALL TREES, BRUSH, STUMPS, GRASS, WEEDS, RUBBISH AND ALL OTHER OBSTRUCTIONS RESTING ON, OR PROTRUDING THROUGH THE SURFACE OF THE EXISTING GROUND TO A DEPTH OF ONE (1) FOOT.
3. ALL PROPOSED ELEVATIONS REFER TO FINISHED GRADES.

**SITE PREPARATION AND GRADING**

PREPARATION OF THE SITE FOR CONSTRUCTION WILL REQUIRE GRUBBING AND STRIPPING OF VEGETATION AND ROOT SYSTEMS THROUGHOUT AREAS TO BE COVERED BY NEW CONSTRUCTION. TRUNKS AND ROOT BALLS FOR TREES SHOULD BE REMOVED. SITE PREPARATION AT FORMER LOCATIONS OF LARGER SHRUBS AND TREES MAY REQUIRE EXCAVATION TO GREATER DEPTHS.

FILL MATERIAL MAY BE REQUIRED. FILL SHOULD BE FREE FROM DEBRIS OR OTHER DELETERIOUS MATTER, AND SHOULD CONSIST OF CLEAN GRANULAR MATERIAL THAT HAS A MAXIMUM PARTICLE SIZE NOT GREATER THAN SIX INCHES. IT SHOULD CONTAIN NOT MORE THAN 10 PERCENT PASSING THE U.S. STANDARD NUMBER 200 SIEVE, AND HAVE AN ORGANIC CONTENT LESS THAN ONE PERCENT.

FILL SHOULD BE PLACED IN ESSENTIALLY HORIZONTAL LIFTS LESS THAN 12 INCHES IN UNCOMPACTED THICKNESS, HAVE A MAXIMUM PARTICLE SIZE NOT GREATER THAN 6 INCHES, BE MOISTURE CONDITIONED AS NECESSARY, AND UNIFORMLY COMPACTED TO AT LEAST 98 PERCENT RELATIVE COMPACTION AS DETERMINED BY THE MODIFIED PROCTOR PROCEDURE (ASTM D1557).

AFTER COMPLETION OF THE GENERAL SITE PLAN PREPARATION, WHEN EXCAVATIONS FOR THE CONSTRUCTION OF FOUNDATIONS ARE MADE THROUGH THE COMPACTED NATURAL GROUND, FILL OR BACKFILL, THE BOTTOMS OF THE EXCAVATIONS ARE TO BE TAMPED SO AS TO DENSIFY SOILS LOOSENED DURING OR AFTER THE EXCAVATION PROCESS, OR WASHED OR SLOUGHED INTO THE EXCAVATION PRIOR TO THE PLACEMENT OF FORMS. A PLATE TAMPER CAN BE USED FOR THIS FINAL DENSIFICATION IMMEDIATELY PRIOR TO THE PLACEMENT OF REINFORCING STEEL, WITH PREVIOUSLY DESCRIBED DENSITY REQUIREMENTS TO BE MAINTAINED BELOW THE FOUNDATION LEVEL.

**SOIL EROSION PLAN**

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A SPECIFIC SOIL EROSION PLAN. IN GENERAL, THE SOIL EROSION PLAN SHALL REQUIRE THAT ALL ON-SITE SOILS REMAIN ON-SITE AND WILL NOT ERODE ONTO THE ADJACENT PUBLIC ROADWAY OR ADJACENT PROPERTIES. PRIOR TO DISCHARGE FROM THE SITE, SILTATION BARRIERS AND HAY BALES SHALL BE UTILIZED AS PER FLORIDA DEPARTMENT OF TRANSPORTATION INDEX 102.

UPON COMPLETION OF THE SITE WORK, ALL AREAS SHALL BE SODDED TO AVOID EROSION. CONTRACTOR IS REQUIRED TO COMPLY WITH ALL STATE WATER QUALITY CRITERIA. SPECIFICALLY, NO OFF-SITE DISCHARGES WILL BE ALLOWED WHICH EXCEED THE STATE TURBIDITY CRITERIA. CARE MUST BE EXERCISED PRIOR TO, DURING AND AFTER CONSTRUCTION TO PREVENT EROSION.

**WATER QUALITY**

1. PRIOR TO AND DURING CONSTRUCTION, THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES (BEST MANAGEMENT PRACTICES) REQUIRED TO RETAIN SEDIMENT ON-SITE AND TO PREVENT VIOLATIONS OF STATE WATER QUALITY STANDARDS. ALL PRACTICES MUST BE IN ACCORDANCE WITH THE GUIDELINES AND SPECIFICATIONS IN CHAPTER 6 OF THE FLORIDA LAND DEVELOPMENT MANUAL "A GUIDE TO SOUND LAND AND WATER MANAGEMENT (FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATIONS 1988)", WHICH ARE HEREBY INCORPORATED BY REFERENCE, UNLESS A PROJECT SPECIFIC EROSION AND SEDIMENT CONTROL PLAN IS APPROVED. IF SITE SPECIFIC CONDITIONS REQUIRE ADDITIONAL MEASURES DURING ANY PHASE OF CONSTRUCTION OR OPERATION TO PREVENT EROSION OR CONTROL SEDIMENT, BEYOND THOSE SPECIFIED IN THE EROSION AND SEDIMENT CONTROL PLAN, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL BEST MANAGEMENT PRACTICES AS NECESSARY, IN ACCORDANCE WITH THE SPECIFICATIONS IN CHAPTER 6 OF THE FLORIDA LAND DEVELOPMENT MANUAL "A GUIDE TO SOUND LAND AND WATER MANAGEMENT (FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION 1988)". THE CONTRACTOR SHALL CORRECT ANY EROSION OR SHOALING THAT CAUSES ADVERSE IMPACTS TO THE WATER RESOURCES.
2. STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN SEVEN (7) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

PORPOISE AVENUE BEACH ACCESS PARKING IMPROVEMENTS  
GENERAL NOTES AND DETAILS

REVISIONS	
No.	DATE



CITY OF FORT PIERCE  
DEPARTMENT OF ENGINEERING  
100 NORTH U.S. 1 P.O. BOX 1480  
FORT PIERCE FLORIDA, 34954

DATE:  
JANUARY 12, 2021

SURVEY BY:

DESIGNED BY:  
T.TELLE

SCALE:  
N.T.S.

DRAWN BY:  
D.SUMNER

APPROVED BY:



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