

DONS DOCK - JOHNS PASS SITE DEVELOPMENT PLAN

SECTION 15, TOWNSHIP 31 S, RANGE 15 E
MADEIRA BEACH, FLORIDA

LEGAL DESCRIPTION

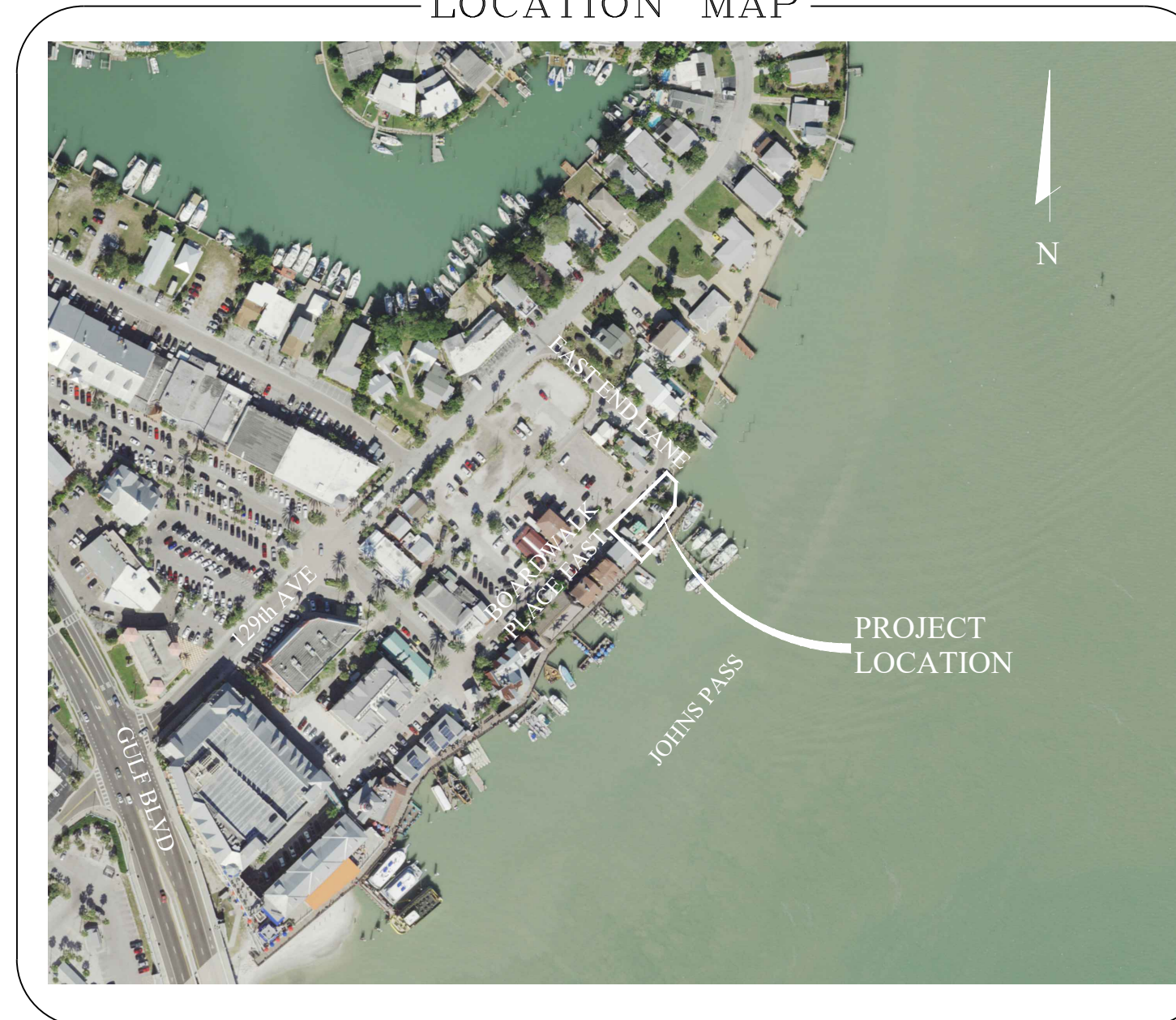
THAT PORTION OF LAND LYING SOUTHEASTERLY OF LOTS 1, 2 AND 3, BLOCK 1, MITCHELL'S BEACH, ACCORDING TO THE MAP OR PLAT THEREOF, RECORDED IN PLAT BOOK 3, PAGE 54, OF THE PUBLIC RECORDS OF PINELLAS COUNTY, FLORIDA AND LYING BETWEEN THE EXTENDED NORTHEASTERLY LINE OF SAID LOT 1, BLOCK 1 IN A SOUTHEASTERLY DIRECTION AND THE EXTENDED SOUTHWESTERLY LINE OF SAID LOT 3, BLOCK 1 IN A SOUTHEASTERLY DIRECTION, TO THE MEAN HIGH WATER LINE OF JOHN'S PASS.

THE ABOVE DESCRIBED PROPERTY BEING ONE AND THE SAME AS THE PARCEL DESCRIBED AS FOLLOWS:

THAT PORTION OF LAND LYING SOUTHEASTERLY OF LOTS 1, 2 AND 3, BLOCK 1, MITCHELL'S BEACH, ACCORDING TO THE MAP OR PLAT THEREOF, RECORDED IN PLAT BOOK 3, PAGE 54, OF THE PUBLIC RECORDS OF PINELLAS COUNTY, FLORIDA AND LYING NORTHWESTERLY OF THE MEAN HIGH WATER LINE OF SAID LOT 1 AND THE SOUTHWESTERLY LINE OF SAID LOT 3, AS EXTENDED SOUTHEASTERLY TO SAID JOHN'S PASS.

LESS AND EXCEPT THE NORTHWESTERLY 30 FEET THEREOF FOR THE RIGHT OF WAY FOR 128TH AVENUE.

LOCATION MAP



DRAWING INDEX

SHEET	TITLE
C1	COVER SHEET
C2	NOTES & SPECIFICATIONS
C3	STORMWATER POLLUTION PREVENTION PLAN
C4	EXISTING CONDITIONS/DEMOLITION PLAN
C5	SITE DEVELOPMENT PLAN (GROUND FLOOR)
C6	SITE DEVELOPMENT PLAN (SECOND & THIRD FLOORS)
C7	CONSTRUCTION DETAILS
C8	CONSTRUCTION DETAILS

SITE DATA TABLE

SITE ADDRESS:	209 & 215 BOARDWALK PLACE EAST MADEIRA BEACH, FL		
PARCEL ID:	15-31-15-00000-410-1500 & 15-31-15-00000-410-0200		
PROPOSED USE:			
FUTURE LAND USE MAP DESIGNATION:	COMMERCIAL GENERAL		
EXISTING ZONING:	C-2		
TOTAL LAND AREA:	±6,855 SF (0.157 AC)		
SITE DATA TOTALS	EXISTING	PROPOSED	MIN/MAX REQUIRED
BUILDING:	814 SF		
PAVEMENT:	5,073 SF		
IMPERVIOUS:	5,887 SF (85.9%)	6,001 SF (87.5%)	
OPEN SPACE:	968 SF	854 SF	
PARKING SPACES	(*)	(*)	
BUILDING HEIGHT	2-STORY	3-STORY	
BUILDING SETBACKS:			
FRONT (NORTH)	23.6 FT	20.4 FT	
FRONT (EAST)	5.7 FT (INTERIOR LOT)	0 FT	
SIDE (WEST)	4.2 FT	4.2 FT (EXISTING BLDG)	
SIDE (SOUTH)	1.1 FT	1.1 FT (EXISTING BLDG)	
FLOOD ZONE:	PROJECT LIES WITHIN FLOOD ZONE AE (EL 11) AND VE (EL 13) AS DELINEATED IN FEMA FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 12103C0192H, INDEX DATED AUGUST 24, 2021.		
ADDITIONAL INFORMATION			

(*) SEE PARKING CALCULATIONS ON THE DON'S DOCK RESTAURANT ARCHITECTURAL PLANS DATED 10-12-23

PROJECT DIRECTORY

OWNERS:	<u>J. W. B. M. B. HOLDINGS LLC</u> 429 BOCA CIEGA DR MADEIRA BEACH, FL 33708-2457
	<u>LUGGERS BACKUP LLC</u> 12124 LILIAN AVE MADEIRA BEACH, FL 33778-3505
DEVELOPER:	<u>BOARDWALK PLACE PROPERTY LLC</u> 410 150TH AVENUE, SUITE H MADEIRA BEACH, FL 33708
CIVIL ENGINEER:	<u>GULF COAST CONSULTING, INC.</u> 13825 ICOT BOULEVARD, SUITE 605 CLEARWATER, FL 33760 PHONE: 727-524-1818 ATTN: SEAN P. CASHEN, P.E. 42505
LANDSCAPE ARCHITECT	<u>NAME</u> ADDRESS 1 ADDRESS 2 PHONE: 555-555-5555 ATTN: NAME
SURVEYOR:	<u>GEODATA SERVICES INC.</u> 1166 KAPP DRIVE1 CLEARWATER, FL 33765 PHONE: 727-447-1763



PREPARED FOR:

BOARDWALK PLACE PROPERTY LLC

410 150TH AVENUE, SUITE H
MADEIRA BEACH, FL 33708
PHONE: 727-367-3000

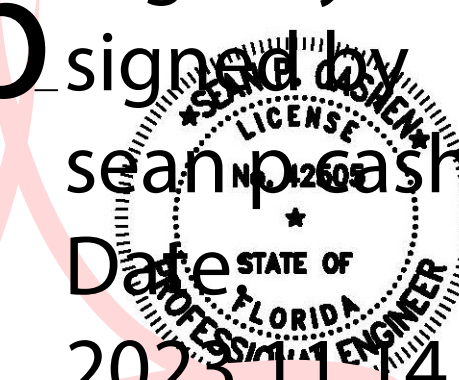


Gulf Coast Consulting, Inc.
Land Development Consulting
ENGINEERING TRANSPORTATION PLANNING PERMITTING
13825 ICOT BLVD., SUITE 605
Clearwater, Florida 33760
Phone: (727) 524-1818 Fax: (727) 524-6090
www.gulfcoastconsultinginc.com

SEAN P. CASHEN
STATE OF FLORIDA
PROFESSIONAL ENGINEER
LICENSE NO. 42505
THIS ITEM HAS BEEN ELECTRONICALLY
SIGNED AND SEALED BY SEAN P. CASHEN
ON THE DATE INDICATED HERE USING A SHA
AUTHENTICATION CODE
PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED AND
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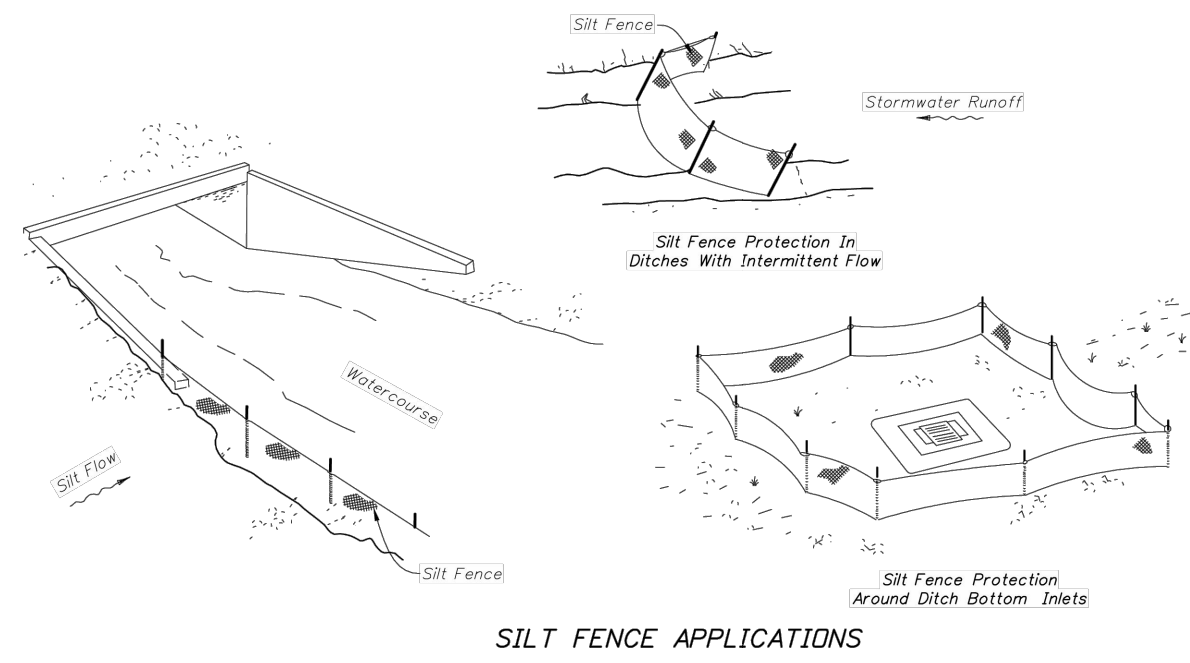
22-065
DATE: 08/17/2023
REV: 11/14/2023
DONS DOCK - JOHNS PASS

Digitally signed by
sean p. cashen
Date: 2023.11.14
12:59:36 -05'00'



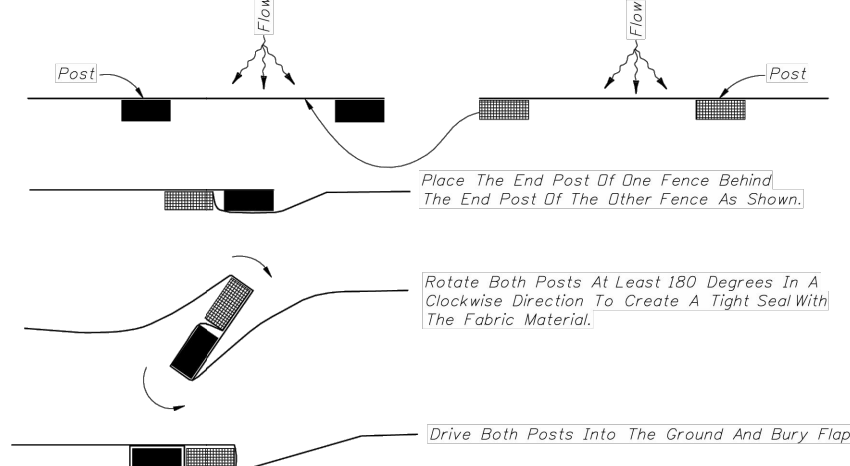
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<p align="center">SEQUENCE OF MAJOR EVENTS:</p> <ol style="list-style-type: none"> 1. INSTALL STAKED SILT FENCE AS INDICATED ON THE CONSTRUCTION PLANS. 2. CLEAR AND GRUB SITE. 3. EXCAVATE TEMPORARY SEDIMENT TRAPS AS NEEDED. 4. BEGIN BUILDING CONSTRUCTION. 5. INSTALL STORM SEWER SYSTEM AND ITS SILTATION PROTECTION AND UTILITIES. 6. CONSTRUCT CURB, BASE AND ASPHALT. 7. COMPLETE FINAL SITE GRADING. 8. INSTALL PERMANENT LANDSCAPING ON SITE. REPAIR ANY WASHED OUT AREAS. 9. WHEN CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE EROSION PROTECTION DEVICES AND PLACE SOO AS NECESSARY. 																	
<p align="center">STABILIZATION PRACTICES</p> <p>WIND EROSION STABILIZATION - THE CONTRACTOR SHALL DENUDE ONLY AREAS WHERE IT IS EXPECTED TO BE GRADED OR ALTERED WITHIN A TWO (2) WEEK TIME FRAME. ALL PVIOUS AREAS OF THE SITE INCLUDED IN GRADING THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE GRADED AND PREPARED WITH A COMBINATION OF SOO AND/OR SEEDING AND MULCHING. PAD AREAS WITHIN FUTURE UNITS WHERE EARTHWORK IS COMPLETED SHALL BE COMPLETELY SEED AND MULCHED. AREAS WHERE CONSTRUCTION OPERATIONS WILL BE CONTINUOUS, FUGITIVE DUST SHALL BE MANAGED BY APPLYING A WATER SPRAY TO SATURATE THE SURFACE SOILS ON A DAILY BASIS (OR AS NEEDED). MAINTAIN MINIMAL DUST TRANSPORT. FUGITIVE DUST SHALL BE MONITORED CONTINUOUSLY AND ADDITIONAL MEASURES MAY NEED TO BE TAKEN TO CONTROL OFF SITE TRANSPORT OF UNACCEPTABLE LEVELS OF DUST.</p> <p>TEMPORARY STABILIZATION - TOP OF SOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 21 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASS AND MULCH NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY. GRASS SEED SHALL BE A MIXTURE OF 20 PARTS OF BERMOUDA AND 80 PARTS OF PENSACOLA BAHIA. THE SEPARATE THRES OF SEED USED SHALL BE THOROUGHLY DRY MIXED IMMEDIATELY BEFORE SOWING. SEED WHICH HAS BECOME WET SHALL NOT BE USED. THE MULCH MATERIAL USED SHALL NORMALLY BE DRY MULCH. DRY MULCH SHALL BE STRAW OR HAY CONSISTING OF OAT, RYE OR WHEAT STRAW, OR OF PANGOLA, PEANUT, COASTAL BERMOUDA OR BAHIA GRASS. HAY ONLY UNDERGRADED MULCH WHICH CAN BE READILY CUT INTO THE SOIL, SHALL BE USED. AREAS OF THE SITE WHICH ARE TO BE PAVED WILL BE TEMPORARILY STABILIZED BY APPLYING STABILIZATION AND BASE.</p> <p>PERMANENT STABILIZATION - DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY PERMANENTLY CEASES SHALL BE STABILIZED WITH SOO NO LATER THAN 14 DAYS AFTER LAST CONSTRUCTION ACTIVITY.</p>																	
<p align="center">STRUCTURAL PRACTICES</p> <p>EROSION PROTECTION - DURING THE CONSTRUCTION PHASES, APPROPRIATE PRACTICES INCLUDING, BUT NOT LIMITED TO SILT FENCE BARRIERS, HAY BALES AND WATERING OR OTHER METHODS NECESSARY WILL BE IMPLEMENTED TO CONTROL FUGITIVE DUST.</p> <p>SEDIMENT BASINS - THE STORM WATER MANAGEMENT AREAS (RETENTION AREAS) WILL SERVE AS SEDIMENT BASINS DURING THE CONSTRUCTION PERIOD. AT THE CONTRACTOR'S DISCRETION, THE SEDIMENT BASINS WILL BE CONSTRUCTED TO THE DESIGN CROSS-SECTION OR A MINIMUM OF 2-FEET BELOW EXISTING GROUND TO ALLOW THE SILT TO BE COLLECTED AND REMOVED PRIOR TO COMPLETION OF THE GRADING.</p>																	
<p align="center">STORM WATER MANAGEMENT</p> <p>STORM WATER DRAINAGE WILL BE PROVIDED BY AN INVERTED CROWN PAVEMENT, STORM WATER AND CATCH BASIN SYSTEM FOR THE DEVELOPED AREAS. THE AREAS NOT DEVELOPED SHALL BE GRADED TO LESS THAN 2% SLOPES AND HAVE PERMANENT SEEDING OR PLANTINGS. WHEN CONSTRUCTION IS COMPLETE THE SITE WILL DRAIN TO STORM WATER PONDS THAT WERE UTILIZED AS THE TEMPORARY SEDIMENT BASINS DURING THE CONSTRUCTION PROCESS. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT BASINS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONSTRUCT ALL RETENTION/DETENTION AREAS IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PLANS.</p>																	
<p align="center">WASTE DISPOSAL</p> <p>WASTE MATERIALS - ALL WASTE MATERIAL SHALL BE COLLECTED AND CONTAINED IN A CONTROLLED AREA PURSUANT TO STATE AND LOCAL SOLID WASTE REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS GENERATED FROM CONSTRUCTION IS TO BE REMOVED FROM THE SITE AND DISPOSED APPROPRIATELY. NO CONSTRUCTION MATERIALS SHALL BE BURIED ON SITE. ALL PERSONNEL SHALL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES SHALL BE POSTED IN THE OFFICE TRAILER AND THE CONSTRUCTION MANAGER RESPONSIBLE FOR THE DAY TO DAY SITE OPERATIONS SHALL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.</p> <p>HAZARDOUS WASTE - IF ENCOUNTERED, ALL WASTE MATERIALS SHALL BE DISPOSED OF IN THE MANNER SPECIFIED BY STATE AND/LOCAL REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.</p> <p>SANITARY WASTE - ALL SANITARY WASTE SHALL BE COLLECTED FROM PORTABLE UNITS BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE AND LOCAL CODES AND REGULATIONS.</p>																	
<p align="center">OFF SITE VEHICLE TRACKING</p> <p>STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO HELP REDUCE OFF SITE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREETS SHALL BE CLEANED AS NEEDED TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE SITE SHALL BE COVERED WITH A TARPULIN AT ALL TIMES.</p>																	
<p align="center">TIMING OF CONTROL MEASURES</p> <p>AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, STAKED SILT FENCE, STABILIZED CONSTRUCTION ENTRANCES AND SEDIMENT BASINS SHALL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 21 DAYS SHALL BE STABILIZED WITH A TEMPORARY GRASS AND MULCH WITHIN 14 DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY THAT AREA SHALL BE STABILIZED WITH PERMANENT SOO. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE TRAPS AND THE STAKED SILT FENCES SHALL BE REMOVED.</p>																	
<p align="center">EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES</p> <p>THESE ARE THE INSPECTION AND MAINTENANCE PRACTICES THAT SHALL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROL:</p> <ol style="list-style-type: none"> 1. LESS THAN ONE HALF OF THE SITE SHALL BE DENUDED AT ONE TIME. 2. ALL CONTROL MEASURES SHALL BE INSPECTED AT AT THE END OF EACH WORK DAY AND FOLLOWING ANY STORM EVENT OF 0.5-INCHES OR GREATER BY A CONTRACTOR'S REPRESENTATIVE. 3. ALL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT SHALL BE INITIATED WITHIN 24 HOURS OF REPORT. 4. BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE SILT FENCE. 5. SILT FENCE SHALL BE INSPECTED REGULARLY FOR DEPTH OF SEDIMENT AND TEARS TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS AND SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND. 6. THE SEDIMENT BASINS SHALL BE INSPECTED DEPTH OF SEDIMENT AND BUILD UP OF SEDIMENT SHALL BE REMOVED WHEN IT REACHES 10% OF THE DESIGN CAPACITY OR AT THE END OF THE JOB. 7. TEMPORARY AND PERMANENT GRASSING AND MULCHING AND SOODING SHALL BE INSPECTED FOR BARE SPOTS, WASHOUTS AND ACTIVE GROWTH. 8. A MAINTENANCE INSPECTION REPORT SHALL BE MADE AFTER EACH INSPECTION BY THE CONTRACTOR AND SHALL BE KEPT IN A HEALTHY LOG READILY AVAILABLE AT THE JOB SITE. 9. EITHER THE SITE SUPERINTENDENT OR HIS DESIGNEES SHALL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE, REPAIR ACTIVITIES AND COMPLETING THE INSPECTION AND MAINTENANCE REPORT. 10. PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES SHALL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY SHALL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ON SITE IN GOOD WORKING ORDER. 																	
<p align="center">NON-STORM WATER DISCHARGE</p> <p>IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:</p> <ol style="list-style-type: none"> 1. WATER FROM WATER LINE FLUSHING. 2. PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED). 3. UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION). <p>ALL NON-STORM WATER DISCHARGES SHALL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.</p>																	
<p align="center">NON-STORM WATER DISCHARGE</p> <p>IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES SHALL NOT OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:</p> <table border="0"> <tr> <td>CONCRETE</td> <td>DETERGENTS</td> <td>PAINTS (ENAMEL AND LATEX)</td> <td>METAL STUDS</td> </tr> <tr> <td>SAND</td> <td>FERTILIZERS</td> <td>TAR</td> <td>PETROLEUM BASED PRODUCTS AND FUELS</td> </tr> <tr> <td>CLEANING SOLVENTS</td> <td>WOOD</td> <td>MASONRY BLOCK</td> <td>ROOFING SHINGLES</td> </tr> <tr> <td>STONE</td> <td></td> <td></td> <td></td> </tr> </table>		CONCRETE	DETERGENTS	PAINTS (ENAMEL AND LATEX)	METAL STUDS	SAND	FERTILIZERS	TAR	PETROLEUM BASED PRODUCTS AND FUELS	CLEANING SOLVENTS	WOOD	MASONRY BLOCK	ROOFING SHINGLES	STONE			
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STONE																	
<p align="center">SPILL PREVENTION</p> <p>THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT SHALL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.</p> <p>GOOD HOUSEKEEPING:</p> <p>THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON SITE DURING THE CONSTRUCTION PROJECT:</p> <p>AN EFFORT SHALL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO COMPLETE THE PROJECT.</p> <p>ALL MATERIALS STORED ON SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND IF POSSIBLE, UNDER A ROOF OR OTHER CONTAINER ENCLOSURE.</p> <p>PRODUCTS SHALL BE KEPT IN THEIR ORIGINAL MANUFACTURERS LABELED CONTAINERS.</p> <p>SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.</p> <p>WHENEVER POSSIBLE, ALL OF THE PRODUCT SHALL BE USED BEFORE DISPOSING OF THE CONTAINER.</p> <p>MANUFACTURERS RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.</p> <p>THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON SITE.</p> <p>HAZARDOUS PRODUCTS:</p> <p>THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.</p> <p>PRODUCTS SHALL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.</p> <p>ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE RETAINED. THEY CONTAIN IMPORTANT PRODUCT INFORMATION.</p> <p>IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS OR LOCAL AND STATE RECOMMENDED METHODS OF PROPER DISPOSAL SHALL BE FOLLOWED.</p> <p>RETROILLUM PRODUCTS:</p> <p>ALL ON SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS.</p> <p>FERTILIZERS:</p> <p>FERTILIZERS USED SHALL BE APPLIED ONLY IN THE MINIMUM AMOUNT RECOMMENDED BY THE MANUFACTURER. ANY APPLIED, FERTILIZER SHALL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE SHALL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.</p> <p>PAINTS:</p> <p>ALL CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT SHALL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.</p> <p>CONCRETE TRUCKS:</p> <p>DISCHARGE OF SURPLUS CONCRETE OR DRUM WASH WATER IS STRICTLY PROHIBITED. HARD DEBRIS SHALL BE DISPOSED OF BY CONTRACTOR UPON COMPLETION OF THE PROJECT.</p>																	
<p align="center">SPILL CONTROL PRACTICES</p> <p>IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEAN UP:</p> <p>MANUFACTURERS RECOMMENDED METHODS FOR SPILL CLEAN UP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEAN UP SUPPLIES.</p> <p>MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEAN UP SHALL BE KEPT IN THE MATERIAL STORAGE AREA ON SITE. EQUIPMENT AND MATERIALS SHALL INCLUDE, BUT NOT BE LIMITED TO, BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SHAMPOO AND PLASTIC AND METAL TRASH CONTAINERS.</p> <p>ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.</p> <p>THE SPILL SHALL BE KEPT WELL VENTILATED AND PERSONNEL SHALL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH HAZARDOUS SUBSTANCE.</p> <p>SPILLS OF TOXIC OR HAZARDOUS MATERIAL SHALL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.</p> <p>THE SPILL PREVENTION PLAN SHALL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND THE CLEAN UP PROCEDURES FOR FUTURE USE. A DESCRIPTION OF THE SPILL, ITS CAUSE AND THE CLEAN UP MEASURES SHALL ALSO BE INCLUDED.</p> <p>THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY TO DAY SITE OPERATIONS SHALL BE THE SPILL PREVENTION AND CLEAN UP COORDINATOR. HE OR SHE SHALL DESIGNATE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEAN UP TRAINING. THESE INDIVIDUALS SHALL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEAN UP. THE NAMES OF THE RESPONSIBLE SPILL PERSONNEL SHALL BE POSTED IN THE MATERIAL STORAGE AREA OR IN THE OFFICE TRAILER ON SITE, IF APPLICABLE.</p>																	

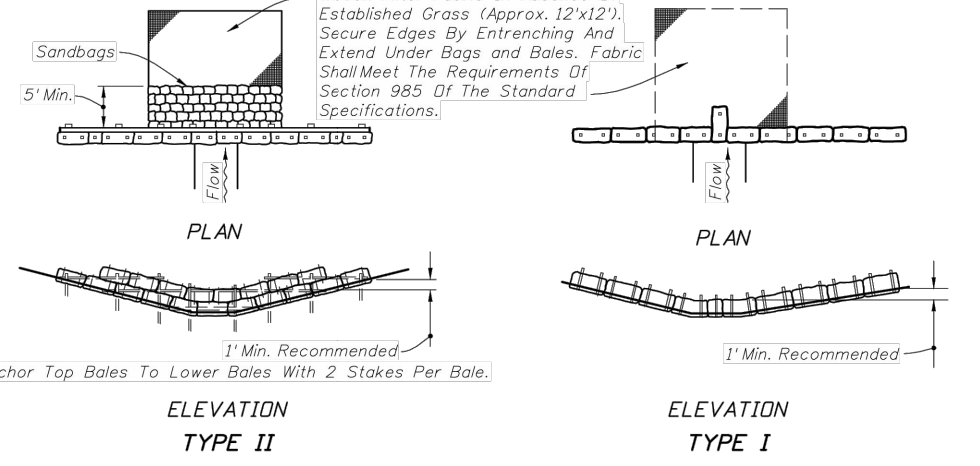


NOTES FOR SILT FENCES

1. Type III Silt Fence to be used at most locations. Where used in ditches, the spacing for Type III Silt fence shall be in accordance with Chart 1, Sheet 1.
2. Type IV Silt Fence to be used where large sediment loads are anticipated. Suggested use is where fill slope is 1:2 or steeper and length of slope exceeds 25 feet. Avoid use where the detained water may back into travel lanes or off the right of way.
3. Do not construct silt fences across permanent flowing watercourses. Silt fences are to be of upland locations and fabric barriers used at permanent bodies of water.
4. Where used as slope protection, Silt Fence is to be constructed on 0% longitudinal grade to avoid channeling runoff along the length of the fence.
5. Silt Fence to be paid for under the contract unit price for Staked Silt Fence, (LF).



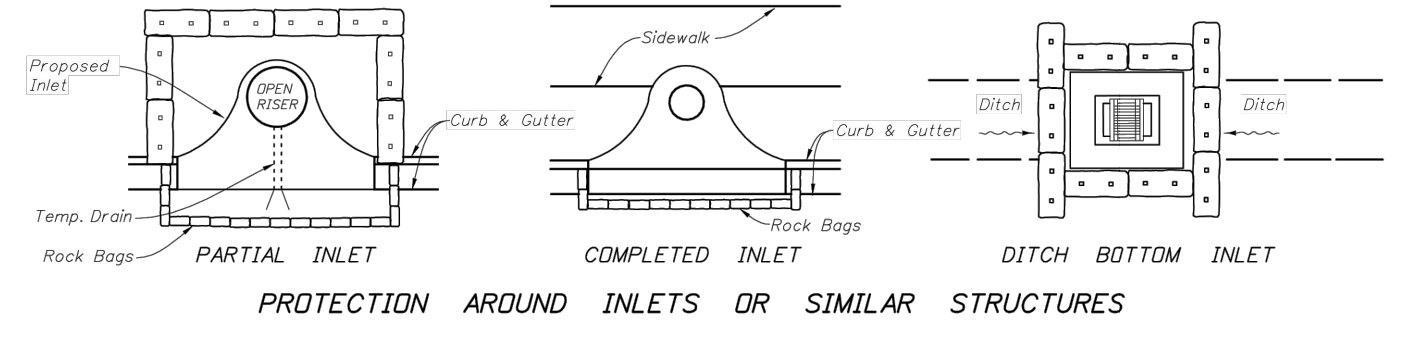
PLAN VIEW JOINING TWO SILT FENCES



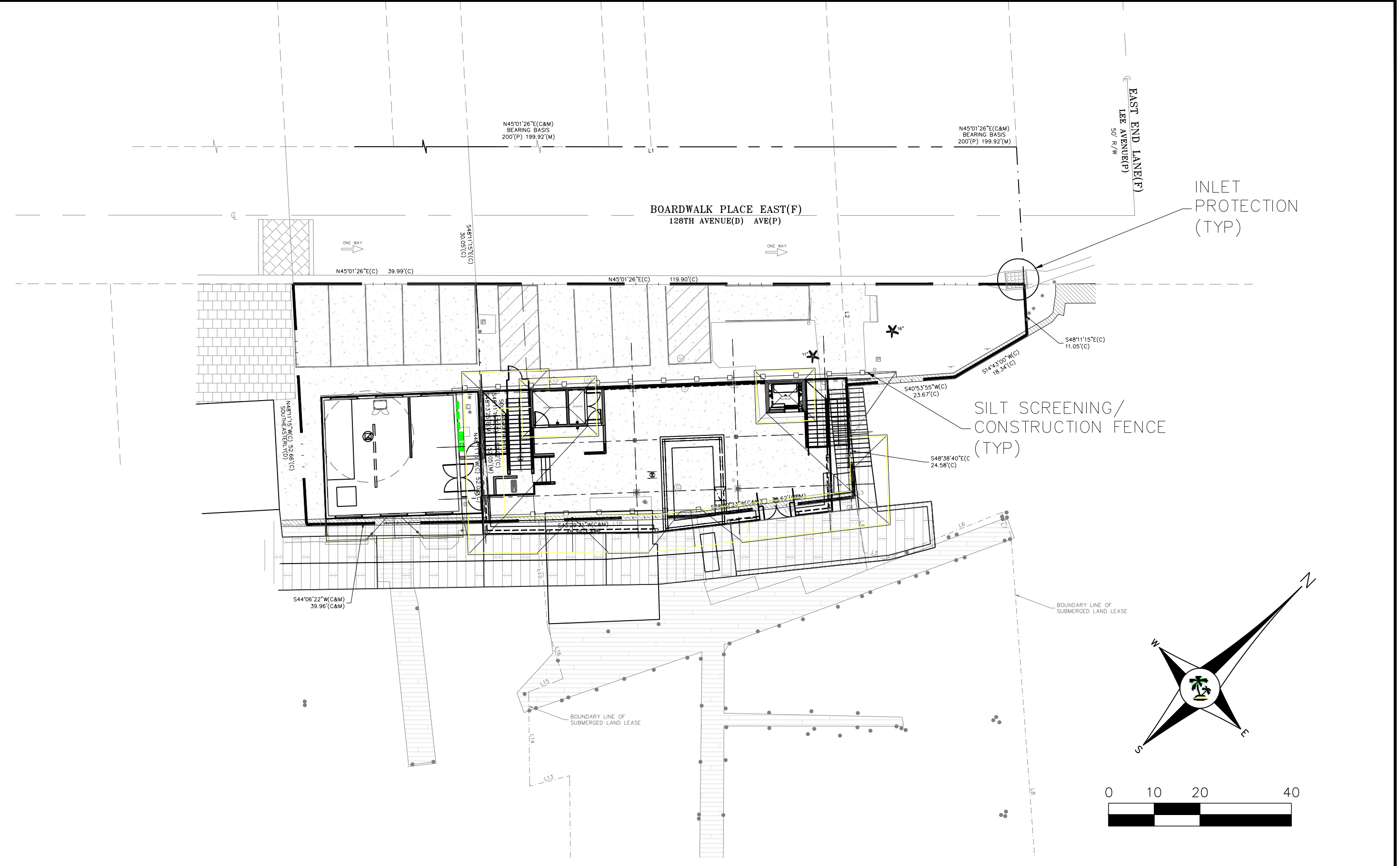
SYNTHETIC BALES OR BALE TYPE BARRIERS FOR UNPAVED DITCHES

NOTES FOR SYNTHETIC BALES OR BALE TYPE BARRIERS

1. Type I and II Synthetic Barrier should be spaced in accordance with Chart 1, Sheet 1.
2. Bales shall be anchored with 2"-1" x 2" (or 1" dia.) x 4" wood stakes. Stakes of other material or shape providing equivalent strength may be used if approved by the Engineer. Stakes other than wood shall be removed upon completion of the project.
3. Rails and posts shall be 2" x 4" wood. Other materials providing equivalent strength may be used if approved by the Engineer.
4. Adjacent bales shall be butted firmly together.
5. Where used in conjunction with silt fence, bales shall be placed on the upstream side of the fence.
6. Bales to be paid for under the contract unit price for Synthetic Bales, LF. The unit price shall include the cost of filter fabric for Type I and II Barriers. Sandbags shall be paid for under the unit price for Sandbagging, CY. Rock bags to be paid for under the contract unit price for Rock Bags, EA.



PROTECTION AROUND INLETS OR SIMILAR STRUCTURES



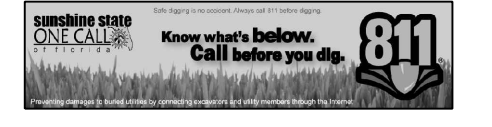
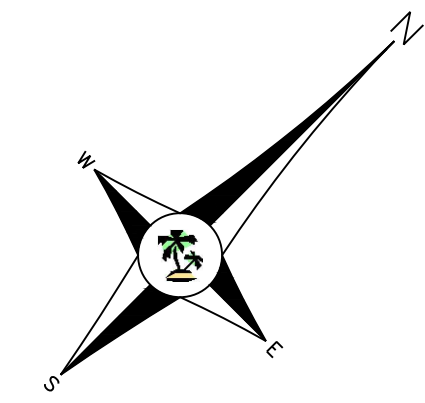
LEGEND

- STAKED SILT SCREEN
- TEMP CONSTRUCTION ENTRANCE
- INLET PROTECTION

NPDES Notification
(National Pollutant Discharge Elimination System)
Attention: The erosion/sedimentation locations and details set forth in this site plan have been devised by the project engineer to meet the requirements of the federal National Pollutant Discharge Elimination System (NPDES) program. Failure to maintain these controls, or an illicit discharge resulting from their failure will likely result in fine citations. Sec. 58-239 of the Pinellas County Code authorizes penalties of up to \$10,000.00 for each offense.

NOTE TO CONTRACTOR:
REQUIRED EROSION CONTROL MEASURES MUST REMAIN INTACT THROUGHOUT CONSTRUCTION. ENCROACHMENT INTO OR FAILURE TO MAINTAIN THESE BARRICADES WILL RESULT IN ENFORCEMENT ACTION WHICH MAY INCLUDE CITATIONS AND/OR PERMIT REVOCATION AS PROVIDED BY CHAPTER 166 OF THE PINELLAS COUNTY LAND DEVELOPMENT CODE.

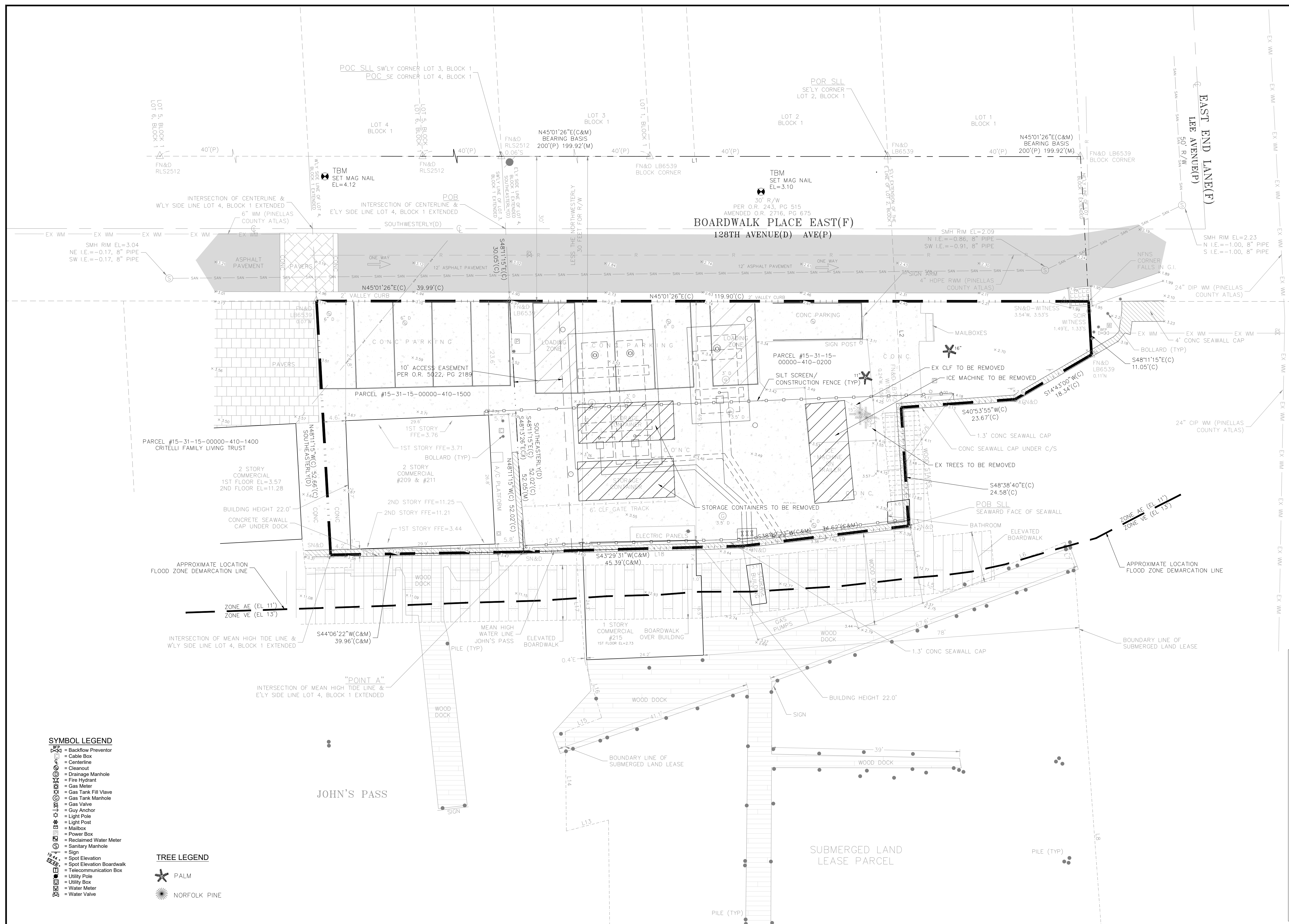
DESIGNED: SPC DRAWN: MKC CHECKED: SPC QC:	<p>Gulf Coast Consulting, Inc. Land Development Consulting ENGINEERING TRANSPORTATION PLANNING PERMITTING 13825 ICOL BLVD., SUITE 605 Clearwater, Florida 33760 Phone: (727) 524-1818 Fax: (727) 524-6090 WWW.GULFCOASTCONSULTINGINC.COM</p>	PREPARED FOR: BOARDWALK PLACE PROPERTY LLC 410 150TH AVENUE, SUITE H MADEIRA BEACH, FL 33708 PHONE: 727-367-3000	SHEET DESCRIPTION: DONS DOCK - JOHNS PASS STORMWATER POLLUTION PREVENTION PLAN	NO	DATE	REVISIONS	APP'D BY	SEAN P. CASHEN STATE OF FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 42505 THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY SEAN P. CASHEN, ON THE DATE INDICATED HERE USING A SHA AUTHENTICATION CODE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND BY A REGISTERED ENGINEER GULF COAST CONSULTING, INC. CERTIFICATE OF AUTHORIZATION No. 9774.	AB NO: 22-065 DATE: 08/17/23	SHEET: C3
				NO	DATE	REVISIONS	APP'D BY			



NOTE TO CONTRACTORS:
 THE LOCATIONS OF ALL UTILITIES ARE APPROXIMATE AND HAVE NOT BEEN VERIFIED. BEFORE BEGINNING SITE WORK, THE CONTRACTOR IS REQUIRED TO FIELD VERIFY THE EXISTENCE, LOCATION & ELEVATION OF UNDERGROUND UTILITIES AND OTHER FEATURES, & CONTACT THE ENGINEER TO CONVEY ANY INFORMATION AND/OR DISCREPANCIES.

FLOOD ZONE NOTE:
 SUBJECT PROPERTY LIES IN FLOOD ZONE AE (EL. 11) AND VE (EL. 13), ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 12103C0192H, DATED AUGUST 24, 2021.

DATUM NOTE:
 ALL ELEVATIONS BASED ON FDOT BENCHMARK "BM 15-90-DA-25A, ELEVATION = 4.28' & "PBE 147 USE", PID NUMBER AG0767, ELEVATION = 4.51' AS PUBLISHED BY THE NATIONAL GEODETIC SURVEY. DATUM BASED ON NORTH AMERICAN VERTICAL DATUM 1988.



- SYMBOL LEGEND**
- = Backflow Preventor
 - = Cable Box
 - = Centerline
 - = Cleanout
 - = Drainage Manhole
 - = Fire Hydrant
 - = Gas Meter
 - = Gas Tank Fill Valve
 - = Gas Tank Manhole
 - = Gas Valve
 - = Guy Anchor
 - = Light Pole
 - = Mailbox
 - = Power Box
 - = Reclaimed Water Meter
 - = Sanitary Manhole
 - = Sign
 - = Spot Elevation
 - = Spot Elevation Boardwalk
 - = Telecommunication Box
 - = Utility Pole
 - = Water Meter
 - = Water Valve

- TREE LEGEND**
- PALM
 - NORFOLK PINE

- LEGEND**
- EXISTING BOUNDARY
 - TO BE REMOVED OR DEMOLISHED
 - EXISTING SPOT ELEVATION
 - EXISTING SANITARY PIPE
 - EXISTING SANITARY MANHOLE
 - EXISTING WATER MAIN
 - EXISTING RECLAIMED WATER MAIN
 - EXISTING OVER HEAD WIRES
 - EXISTING OVER HEAD WIRES
 - EXISTING OVER HEAD WIRES

DESIGNED: SPC
 DRAWN: MKC
 CHECKED: SPC
 QC: [blank]



Gulf Coast Consulting, Inc.
 Land Development Consulting
 ENGINEERING TRANSPORTATION PLANNING PERMITTING
 13825 ICOT BLVD., SUITE 605
 Clearwater, Florida 33760
 Phone: (727) 524-1818 Fax: (727) 524-6090
 WWW.GULFCOASTCONSULTINGINC.COM

PREPARED FOR:
BOARDWALK PLACE PROPERTY LLC
 410 150TH AVENUE, SUITE H
 MADEIRA BEACH, FL 33708
 PHONE: 727-367-3000

SHEET DESCRIPTION:
DONS DOCK - JOHNS PASS
 EXISTING CONDITIONS / DEMOLITION PLAN

NO.	DATE	REVISIONS

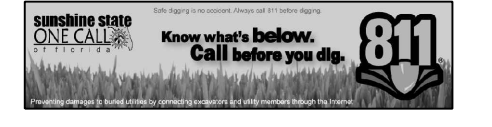
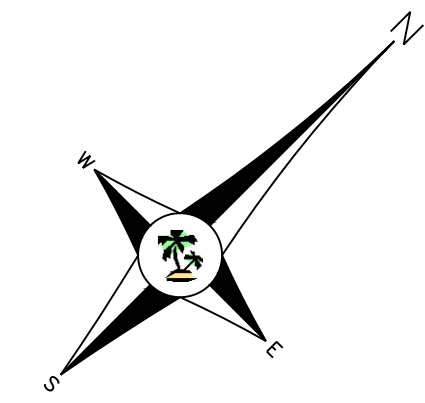
SEAN P. CASHEN
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 LICENSE NO. 42505

THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY SEAN P. CASHEN, ON THE DATE INDICATED HERE USING A SHA AUTHENTICATION CODE.

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 GULF COAST CONSULTING, INC.
 CERTIFICATE OF AUTHORIZATION No. 9774

APP'D BY: [blank]
 DATE: 08/17/23

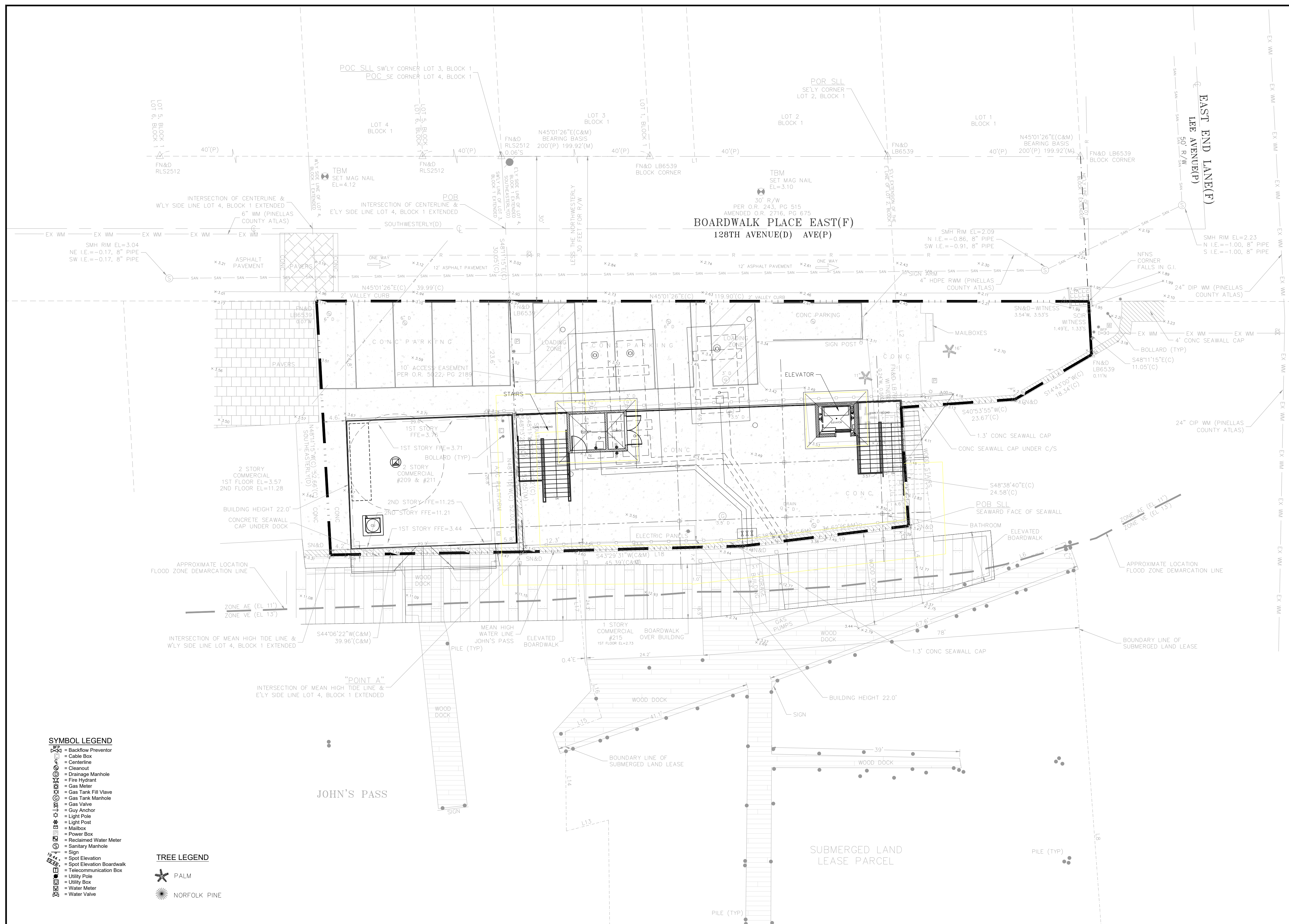
NO. 22-065
 SHEET: C4



NOTE TO CONTRACTORS:
 THE LOCATIONS OF ALL UTILITIES ARE APPROXIMATE AND HAVE NOT BEEN VERIFIED. BEFORE BEGINNING SITE WORK, THE CONTRACTOR IS REQUIRED TO FIELD VERIFY THE EXISTENCE, LOCATION & ELEVATION OF UNDERGROUND UTILITIES AND OTHER FEATURES, & CONTACT THE ENGINEER TO CONVEY ANY INFORMATION AND/OR DISCREPANCIES.

FLOOD ZONE NOTE:
 SUBJECT PROPERTY LIES IN FLOOD ZONE AE (EL. 11') AND VE (EL. 13'), ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY, FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 12103C0192H, DATED AUGUST 24, 2021.

DATUM NOTE:
 ALL ELEVATIONS BASED ON FDOT BENCHMARK "BM 15-90-DA-25A, ELEVATION = 4.28' & "PBE 147 USE", PID NUMBER AG0767, ELEVATION = 4.51' AS PUBLISHED BY THE NATIONAL GEODETIC SURVEY, DATUM BASED ON NORTH AMERICAN VERTICAL DATUM 1988.



- SYMBOL LEGEND**
- ☐ = Backflow Preventor
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 - ⊙ = Water Valve

- TREE LEGEND**
- ✳ = PALM
 - 🌲 = NORFOLK PINE

DESIGNED: SPC
 DRAWN: MKC
 CHECKED: SPC
 QC:



Gulf Coast Consulting, Inc.
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PREPARED FOR:
BOARDWALK PLACE PROPERTY LLC
 410 150TH AVENUE, SUITE H
 MADEIRA BEACH, FL 33708
 PHONE: 727-367-3000

SHEET DESCRIPTION:
DONS DOCK - JOHNS PASS
 SITE DEVELOPMENT PLAN - GROUND FLOOR

NO.	DATE	REVISIONS

SEAN P. CASHEN
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER
 LICENSE NO. 42505

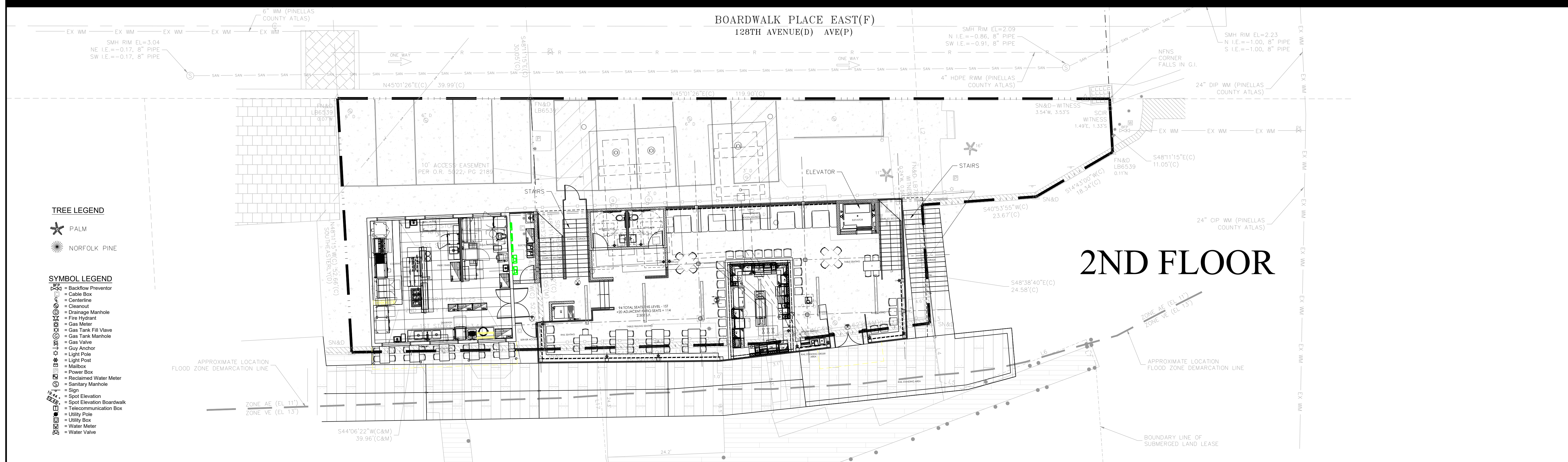
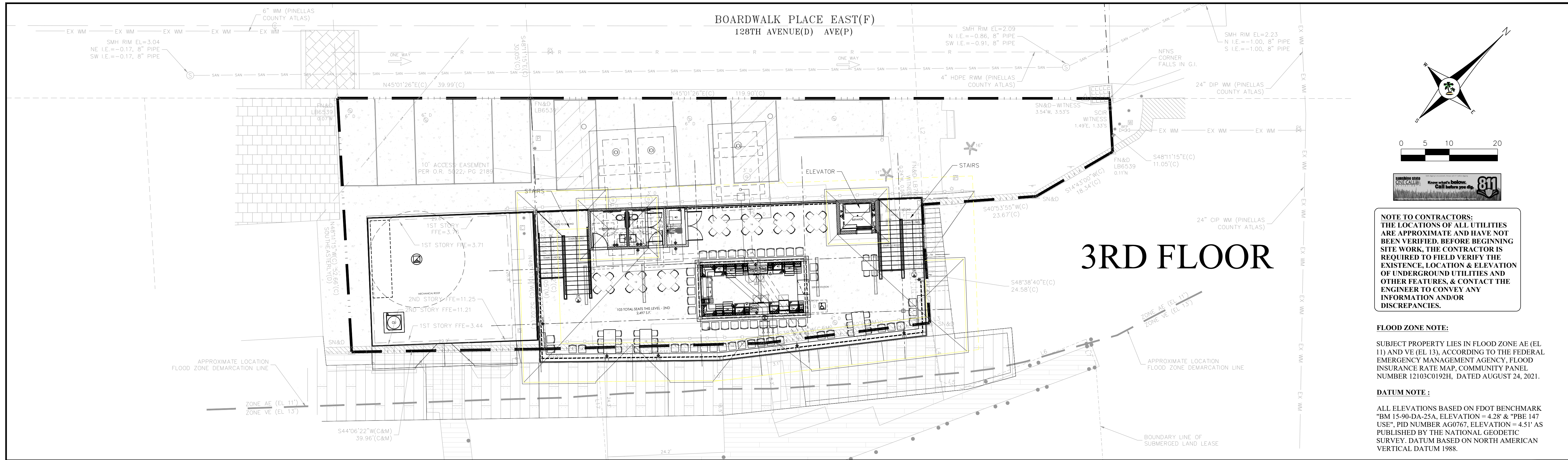
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 GULF COAST CONSULTING, INC.
 CERTIFICATE OF AUTHORIZATION NO. 9774

APP'D BY: _____
 DATE: 08/17/23

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NO. 22-065
 SHEET C5



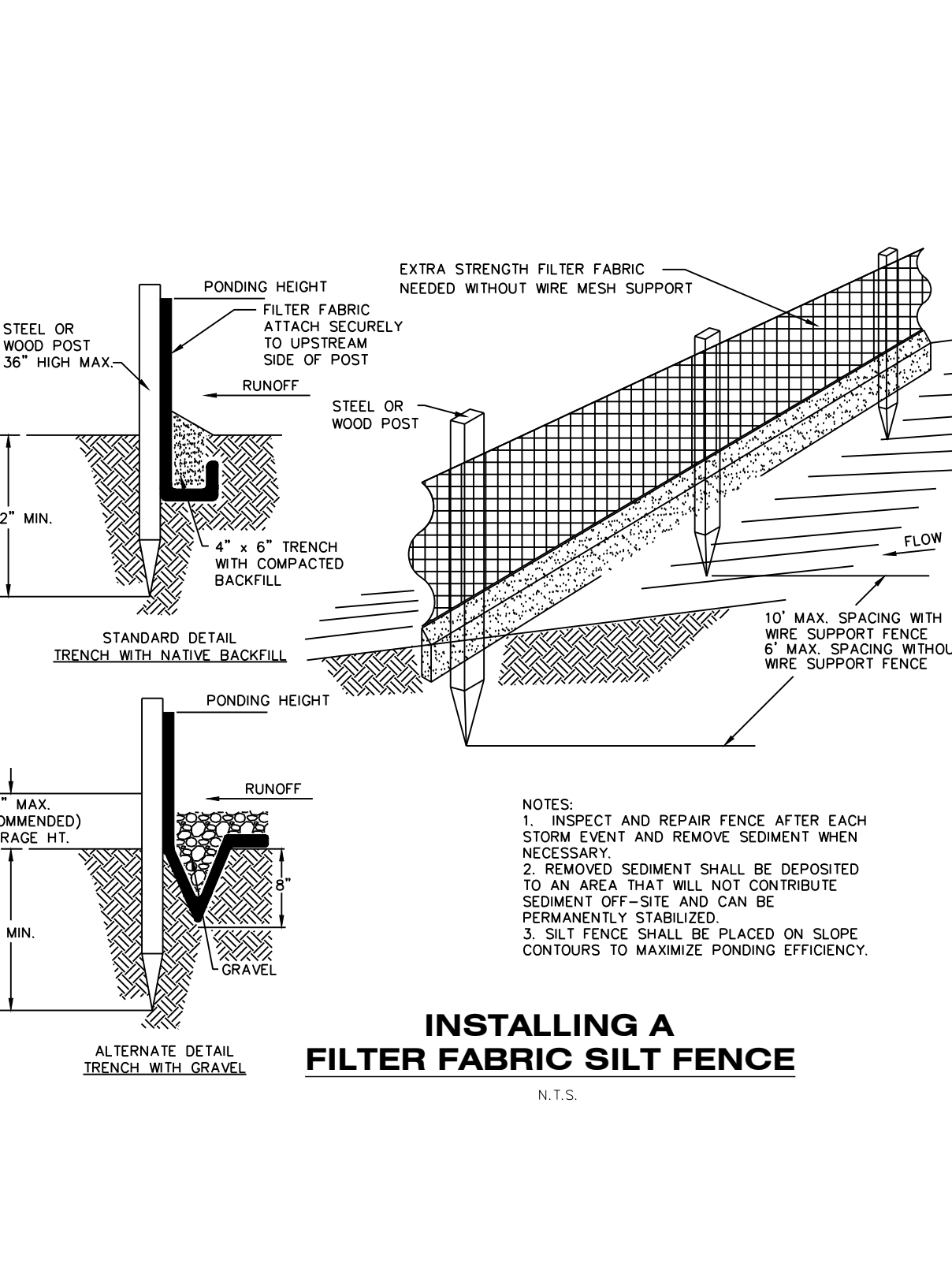
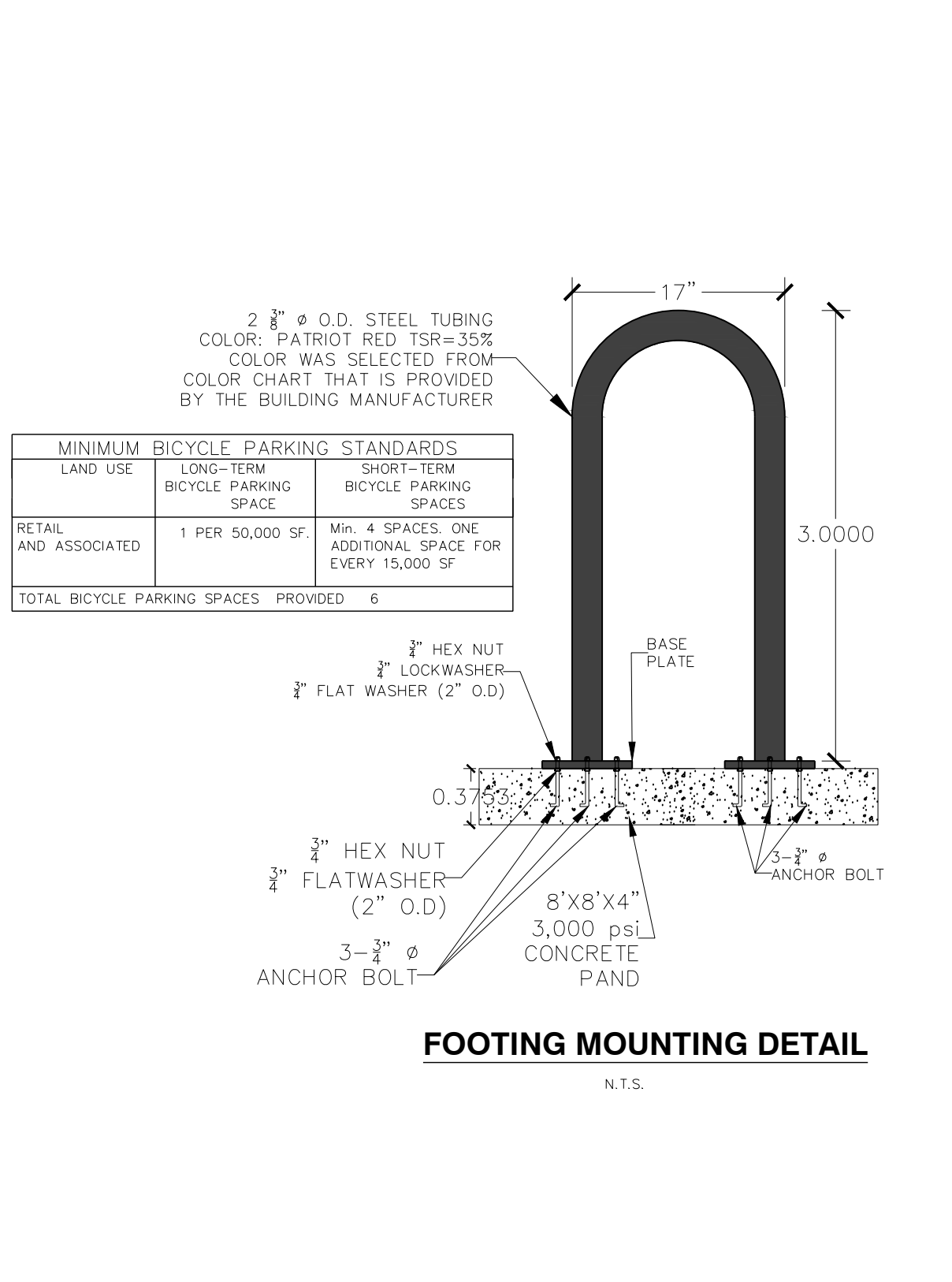
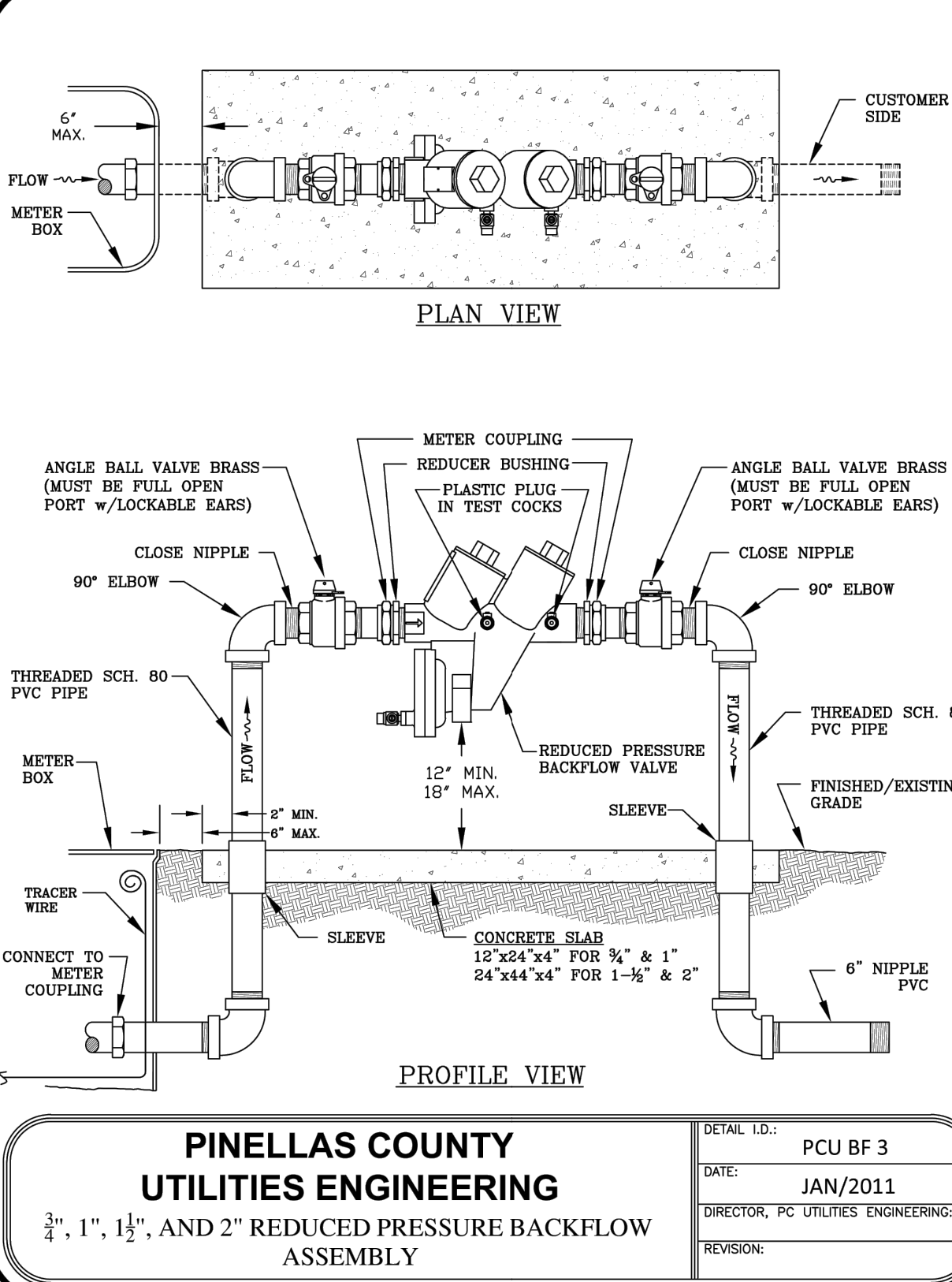
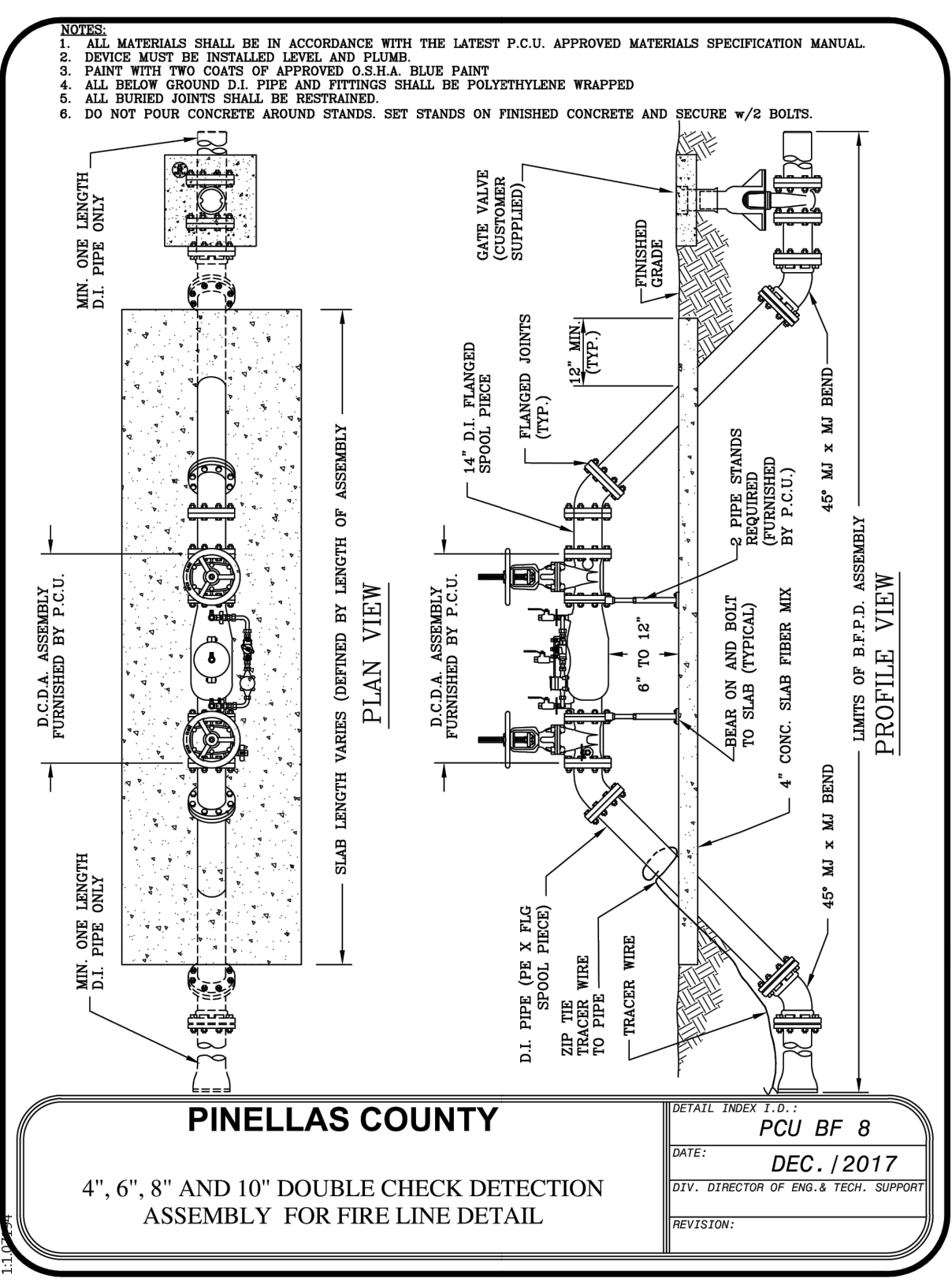
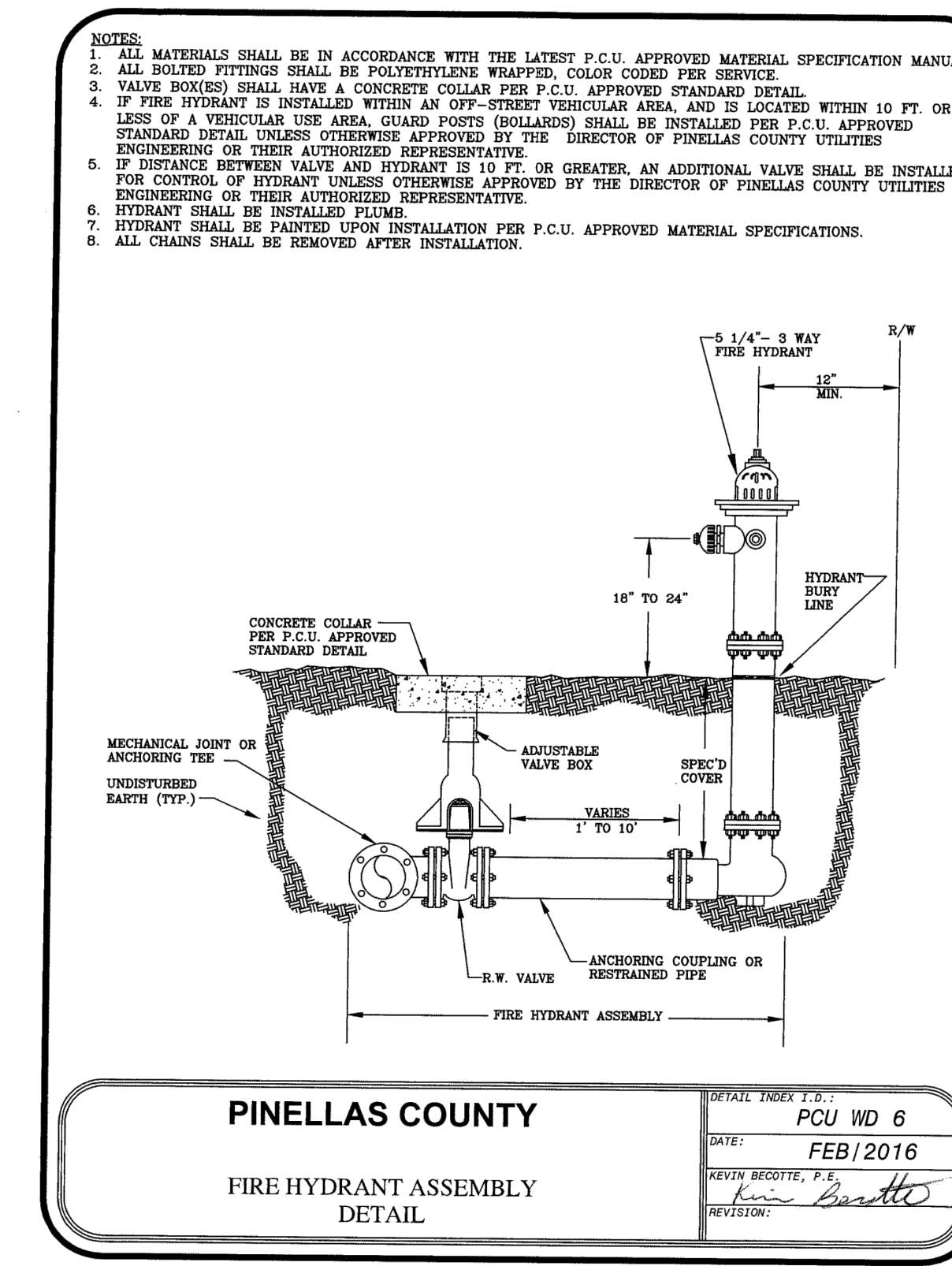
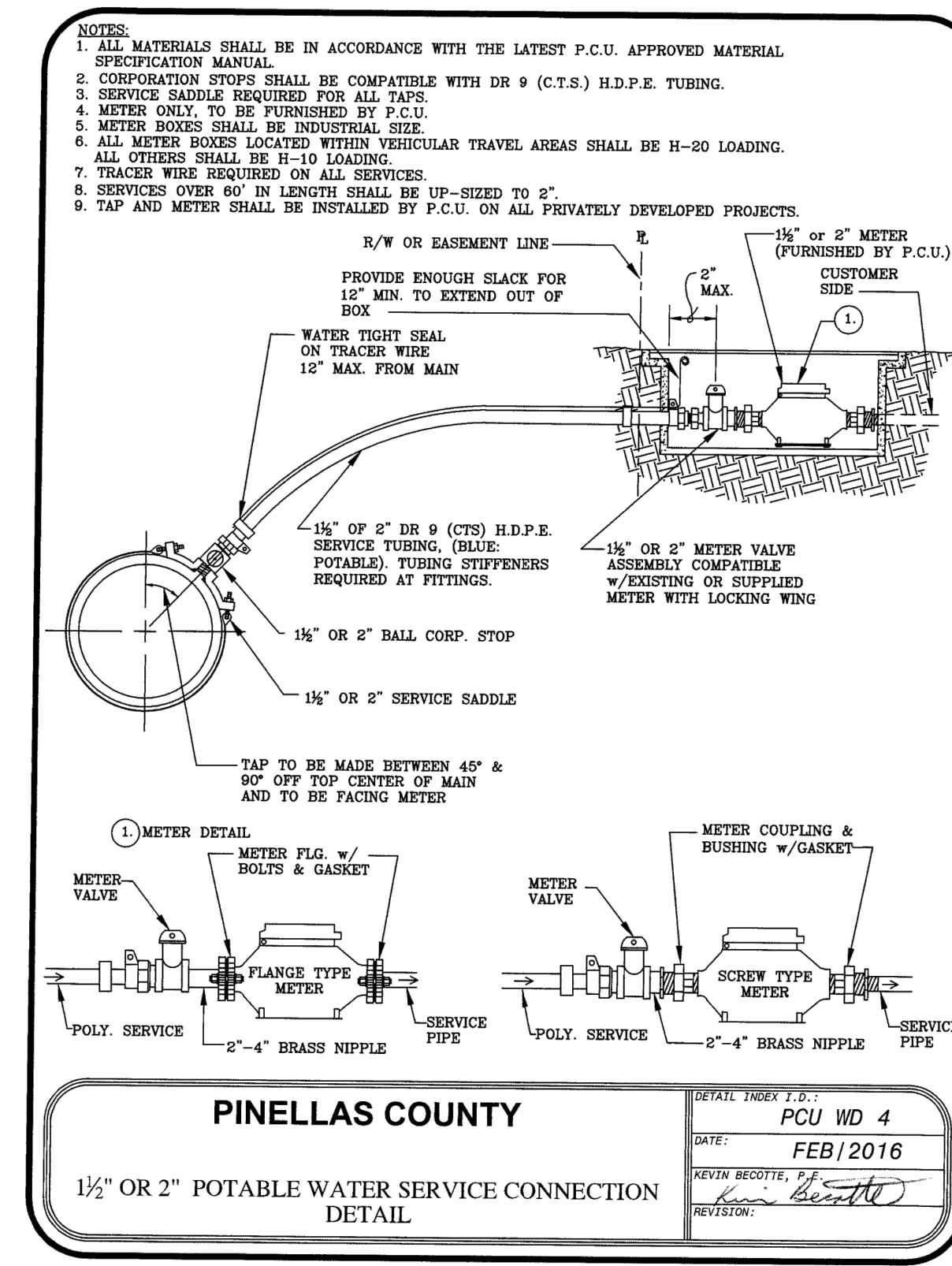
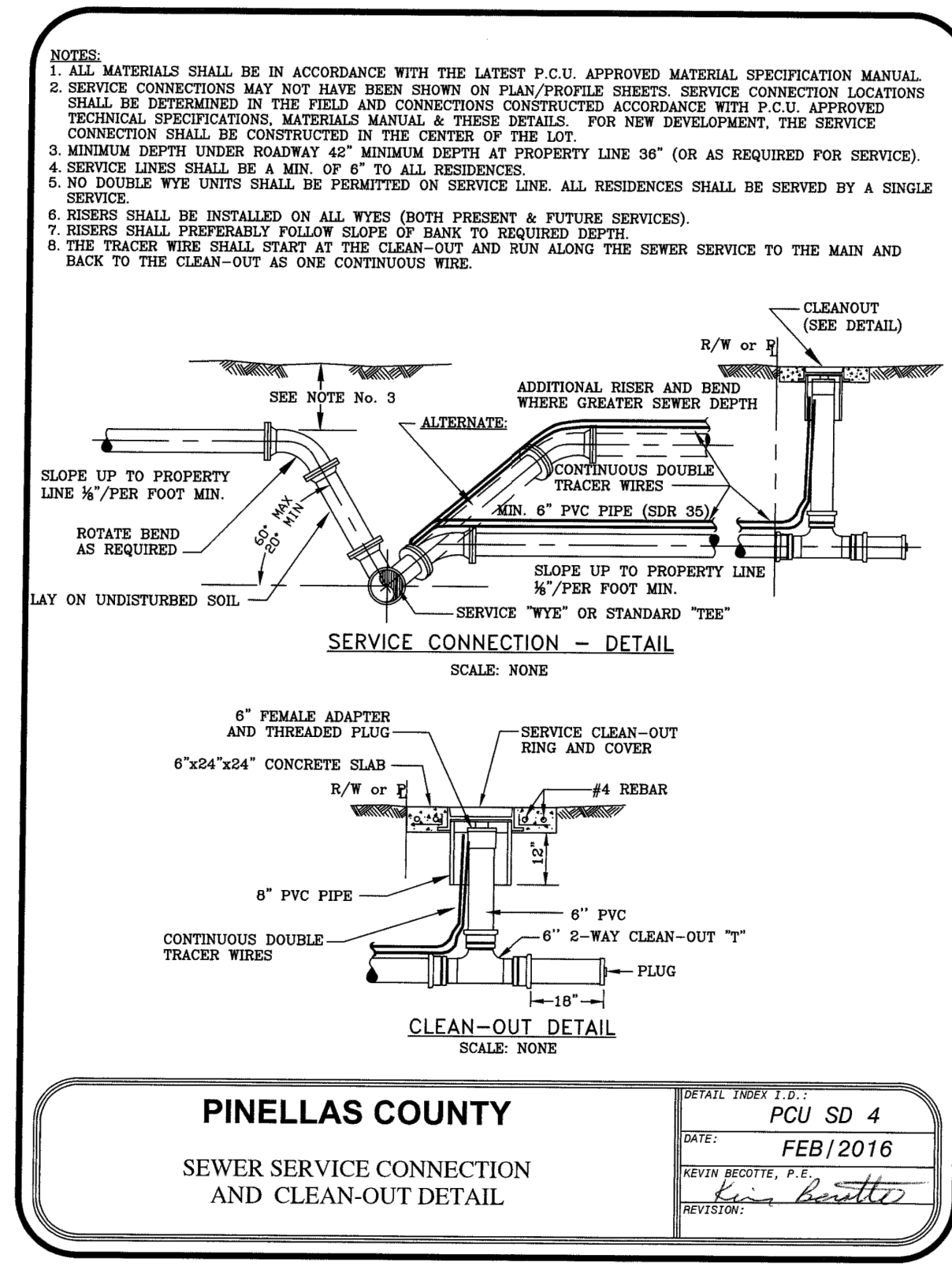
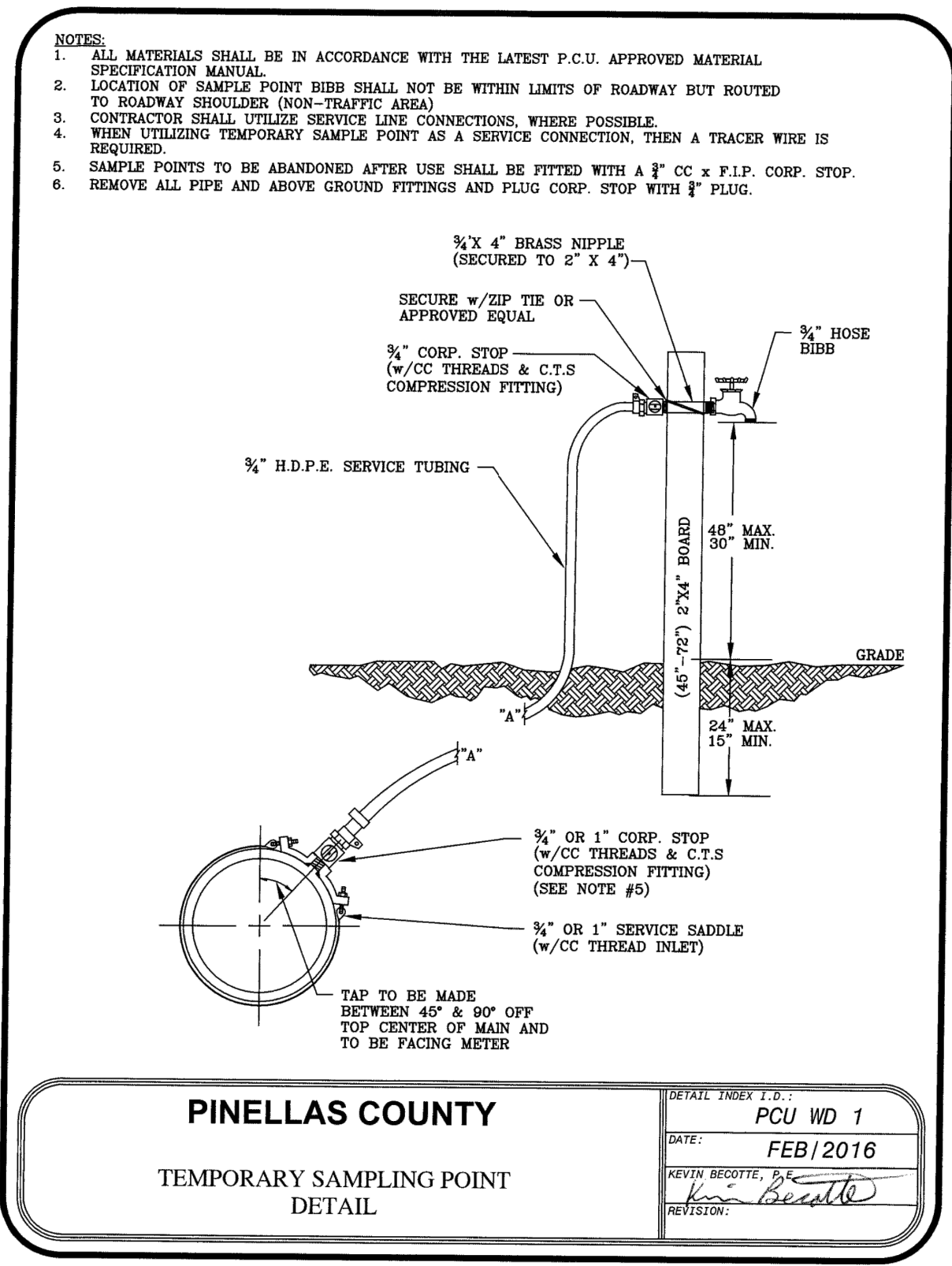
TREE LEGEND

- PALM
- NORFOLK PINE

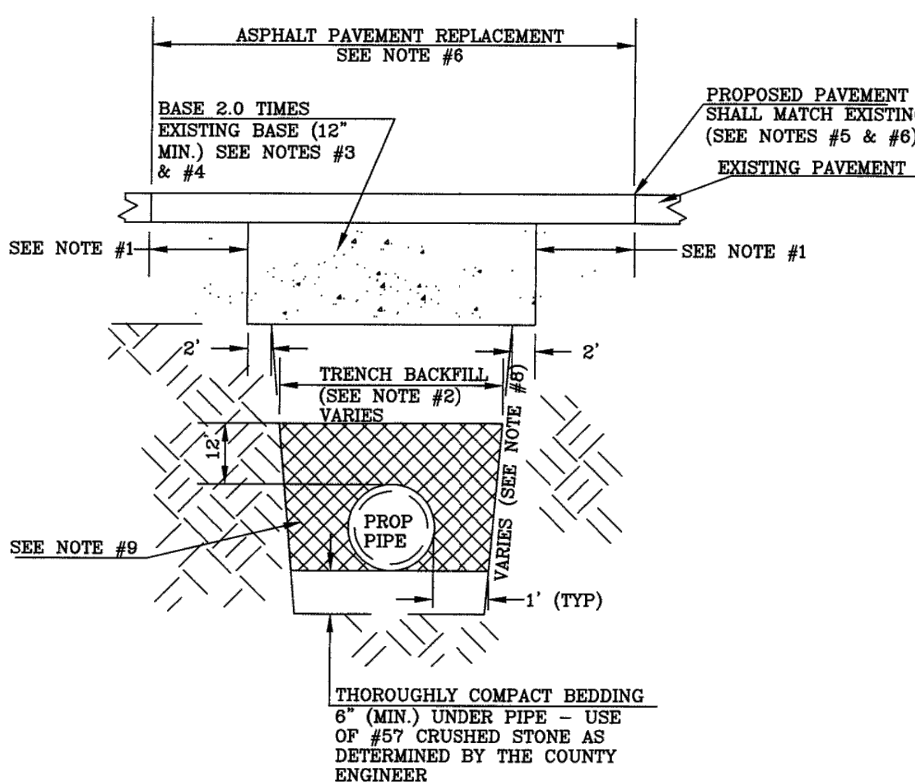
SYMBOL LEGEND

- Backflow Preventor
- Cable Box
- Centerline
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- Gas Tank Manhole
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DESIGNED: SPC DRAWN: MKC CHECKED: SPC QC:	Gulf Coast Consulting, Inc. Land Development Consulting ENGINEERING TRANSPORTATION PLANNING PERMITTING 13825 ICOT BLVD., SUITE 605 CLEARWATER, FLORIDA 33760 Phone: (727) 524-1818 Fax: (727) 524-6090 WWW.GULFCOASTCONSULTINGINC.COM	PREPARED FOR: BOARDWALK PLACE PROPERTY LLC 410 150TH AVENUE, SUITE H MADEIRA BEACH, FL 33708 PHONE: 727-367-3000	SHEET DESCRIPTION: DONS DOCK - JOHNS PASS SITE DEVELOPMENT PLAN - 2ND & 3RD FLOORS	SHEET NO. 22-065 SHEET C6	SEAN P. CASHEN STATE OF FLORIDA PROFESSIONAL ENGINEER LICENSE NO. 42505 THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY SEAN P. CASHEN, ON THE DATE INDICATED HERE USING A SHA AUTHENTICATION CODE PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SHA AUTHENTICATION CODE MUST BE VERIFIED ON ANY ELECTRONIC COPIES. NOT VALID UNLESS SIGNED & EMBOSSED BY A REGISTERED ENGINEER GULF COAST CONSULTING, INC. CERTIFICATE OF AUTHORIZATION No. 9774	THESE PLANS MAY NOT BE COPIED OR MODIFIED WITHOUT WRITTEN PERMISSION FROM GULF COAST CONSULTING, INC. DATE: 08/17/23
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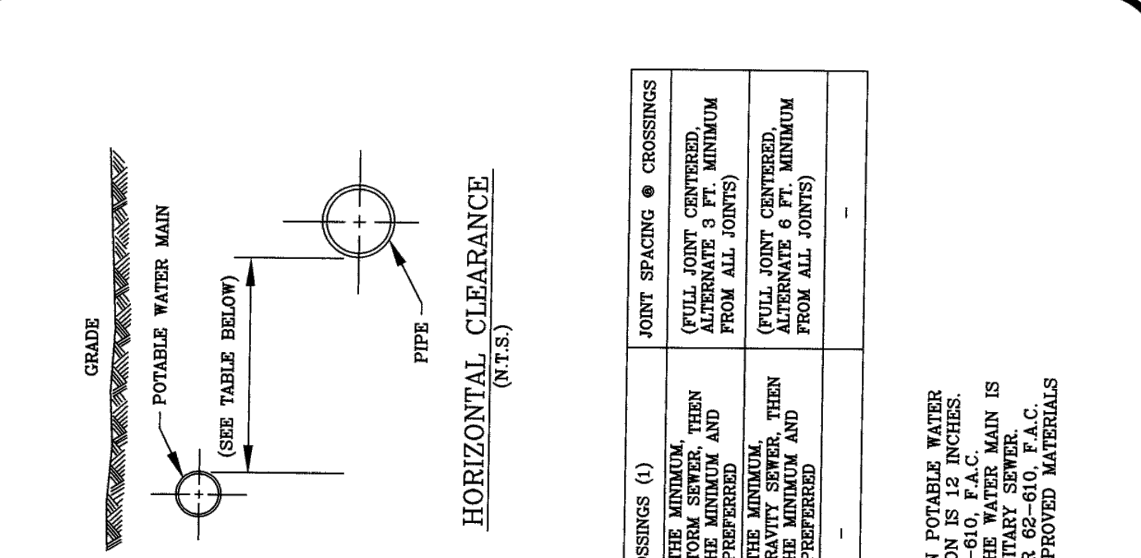


- NOTES:**
- MILLING AND RESURFACING LIMITS: 3'-0" FOR RESIDENTIAL ROADS, 25'-0" FOR ALL OTHER TYPES OF ROADS. SHALL INCLUDE ENTIRE LANE WIDTH.
 - BACKFILL FOR TRENCH SHALL BE PLACED IN 6" COMPACTED LAYERS TO 100% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-99. (EXCAVABLE FLOWABLE FILL OPTION IS SUBJECT TO COUNTY ENGINEER'S APPROVAL). TEST REPORTS ARE REQUIRED AND SHALL BE SUBMITTED TO PINELLAS COUNTY.
 - BASE MATERIAL SHALL BE LIME ROCK OR CRUSHED CONCRETE (MIN. 100) AND SHALL BE PLACED IN 6" COMPACTED LAYERS TO 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-190 (MODIFIED) (TEST REPORTS ARE REQUIRED AND SHALL BE SUBMITTED TO PINELLAS COUNTY).
 - AS AN ALTERNATIVE TO COMPACTED BASE AND IN WET AREAS FULL-LIFT ASPHALTIC CONCRETE, FINE TRAFFIC LEVEL, C TYPES SP-9.5 OR 12.5, SHALL BE PLACED IN 2" COMPACTED LAYERS WITH A MINIMUM THICKNESS EQUAL TO THE EXISTING BASE (5" MIN.).
 - ASPHALTIC CONCRETE PAVEMENT JOINTS SHALL BE SAW-CUT AND ALL SURFACES TACK COATED.
 - ASPHALT SURFACE SHALL BE CONSISTENT WITH EXISTING GRADE, IN ACCORDANCE WITH PINELLAS COUNTY SPECIFICATIONS. THE FOLLOWING ROADWAY CLASSIFICATION TYPE/THICKNESS ARE REQUIRED: ARTERIAL-3" MIN. TYPE SP-12.5 FINE TRAFFIC LEVEL "C", COLLECTOR-2" MIN. TYPE SP-12.5 FINE TRAFFIC LEVEL "C", RESIDENTIAL-1 1/2" MIN. TYPE SP-9.5 TRAFFIC LEVEL "C" (TEST REPORTS ARE REQUIRED AND SHALL BE SUBMITTED TO PINELLAS COUNTY).
 - OVERLAY OF CONSTRUCTION SCARS TO PAVEMENT AND TRENCH SHALL BE REQUIRED AS DIRECTED BY THE COUNTY ENGINEER.
 - EXCAVATION SHALL COMPLY WITH THE TRENCH SAFETY ACT REQUIREMENTS.
 - INSTALL DRY COMPACTABLE MATERIAL AROUND THE PIPE.
 - ALL MATERIAL, WORK AND TESTING SHALL MEET PINELLAS COUNTY STANDARD SPECIFICATIONS.
 - CONTRACTOR SHALL RESTORE PAVEMENT TO MATCH THE GRADES THAT EXISTED PRIOR TO CONSTRUCTION. ANY ADDITIONAL SURVEY NECESSARY TO ENSURE THAT THIS REQUIREMENT IS MET SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.



PINELLAS COUNTY
PAVEMENT CUTS, EXCAVATION AND RESTORATION

DETAIL INDEX T.D.: 1291
DATE: FEB/2016
DESIGNER: KEVIN BELOTTE, P.E.
REVISION: *Kevin Belette*

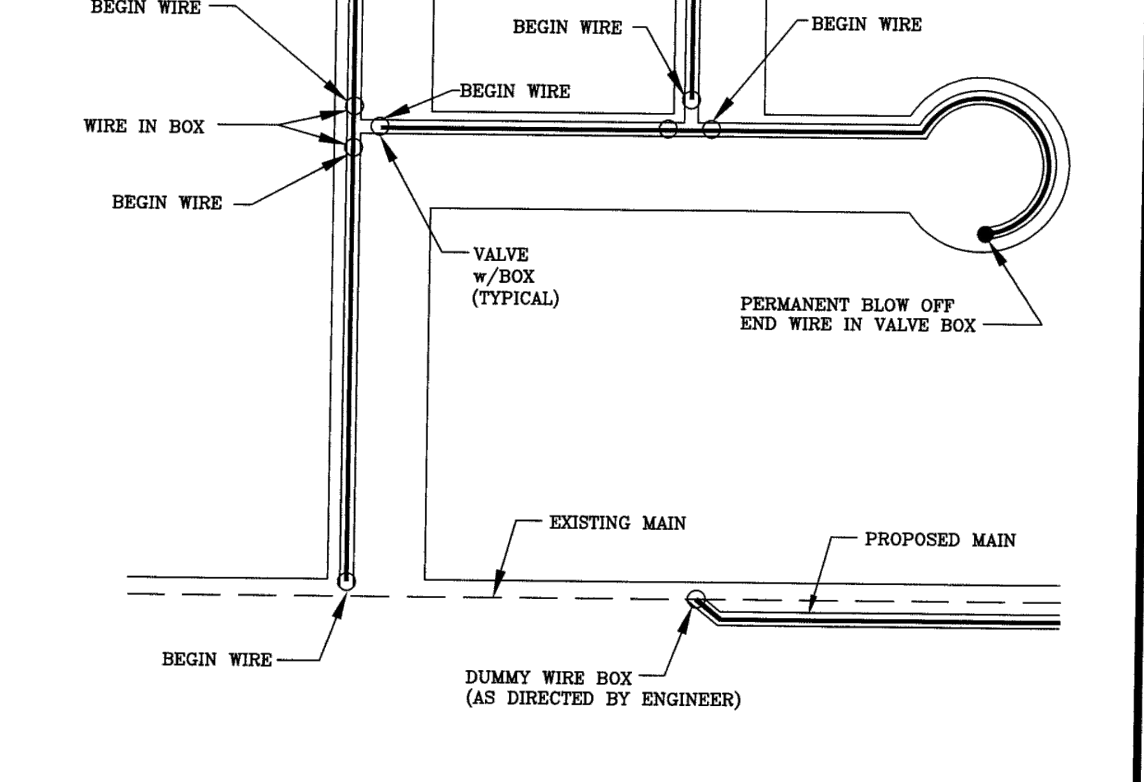
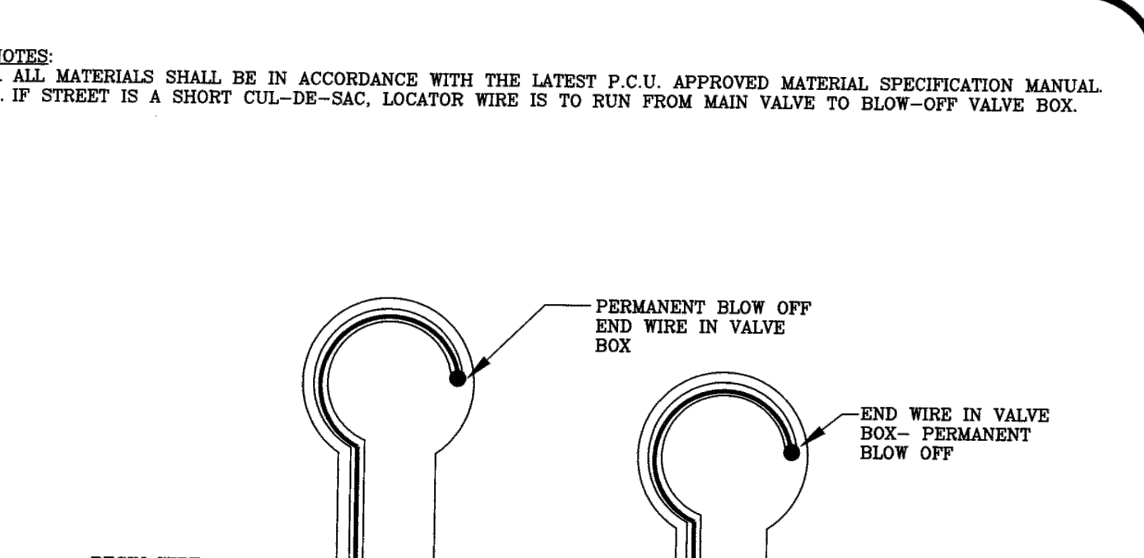


PIPE	HORIZONTAL SEPARATION	VERTICAL SEPARATION
VACUUM-TYPE SANITARY SEWER, 12 INCHES (MINIMUM) FROM ALL JOINTS	3 FT. MINIMUM	10 FT. MINIMUM
STORM SEWER, 12 INCHES (MINIMUM) FROM ALL JOINTS	3 FT. MINIMUM	10 FT. MINIMUM
RECLAIMED WATER (RW), 12 INCHES (MINIMUM) FROM ALL JOINTS	3 FT. MINIMUM	10 FT. MINIMUM
SANITARY SEWER, 12 INCHES (MINIMUM) FROM ALL JOINTS	3 FT. MINIMUM	10 FT. MINIMUM
ON-SITE SEWAGE TREATMENT & DISPOSAL SYSTEM, 12 INCHES (MINIMUM) FROM ALL JOINTS	3 FT. MINIMUM	10 FT. MINIMUM

NOTES: (IN ACCORDANCE WITH L.A.C. RULE 62-565.5(1))
 1. POTABLE WATER MAIN SHOULD CROSS ABOVE OTHER PIPE WHEN POTABLE WATER MAIN IS 12 INCHES OR LARGER.
 2. RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
 3. L.A.D. PIPE QUANTITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS 12 INCHES OR LARGER.
 4. RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.
 5. ALL SEWER LINES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST APPROVED MATERIALS SPECIFICATIONS MANUALS.

PINELLAS COUNTY
MAIN CLEARANCES
DETAIL

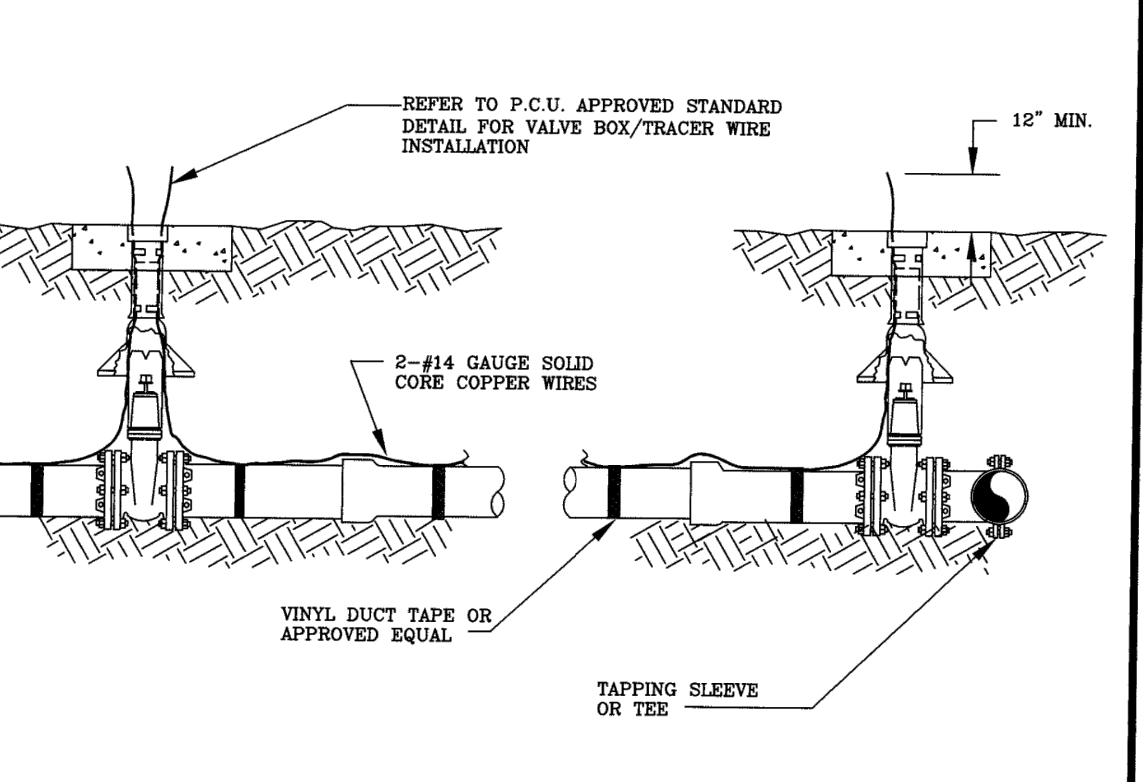
DETAIL INDEX T.D.: PCU GD 2
DATE: FEB/2016
DESIGNER: KEVIN BELOTTE, P.E.
REVISION: *Kevin Belette*



PINELLAS COUNTY
TRACER WIRE LAYOUT
DETAIL

DETAIL INDEX T.D.: PCU GD 3
DATE: FEB/2016
DESIGNER: KEVIN BELOTTE, P.E.
REVISION: *Kevin Belette*

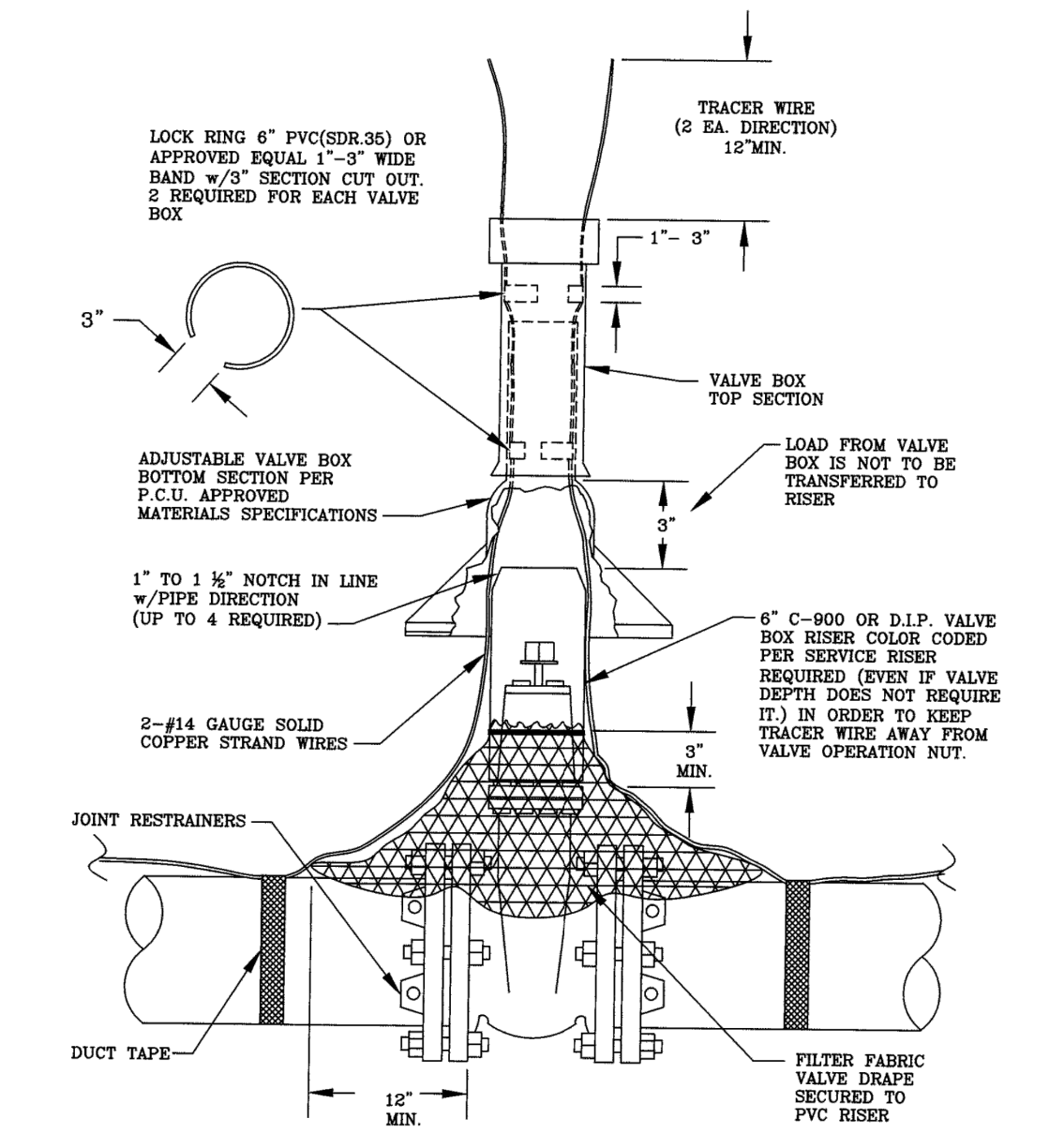
- NOTES:**
- ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST P.C.U. APPROVED MATERIAL SPECIFICATION MANUAL.
 - USE 2-#14 GAUGE (MINIMUM) SOLID CORE COPPER WIRE WITH COLOR CODED INSULATION PER SERVICE.
 - THERE SHALL BE SUFFICIENT SLACK IN TRACER WIRE TO EXTEND A MIN. OF 12" ABOVE VALVE BOX.
 - WIRE IS TO CONTINUE THROUGH TEES ON MAIN LINE WHERE NO VALVES EXIST.
 - ATTACH WIRE TO TOP CENTER LINE OF MAIN USING DUCT TAPE OR APPROVED EQUAL @ 5'-0" INTERVALS.
 - DUMMY BOXES ARE TO CONSIST OF A TOP SECTION OF A VALVE BOX ASSEMBLY ENCASED IN A CONCRETE VALVE BOX COLLAR PER P.C.U. APPROVED STANDARD DETAIL.



PINELLAS COUNTY
TRACER WIRE INSTALLATION
DETAIL

DETAIL INDEX T.D.: PCU GD 3a
DATE: FEB/2016
DESIGNER: KEVIN BELOTTE, P.E.
REVISION: *Kevin Belette*

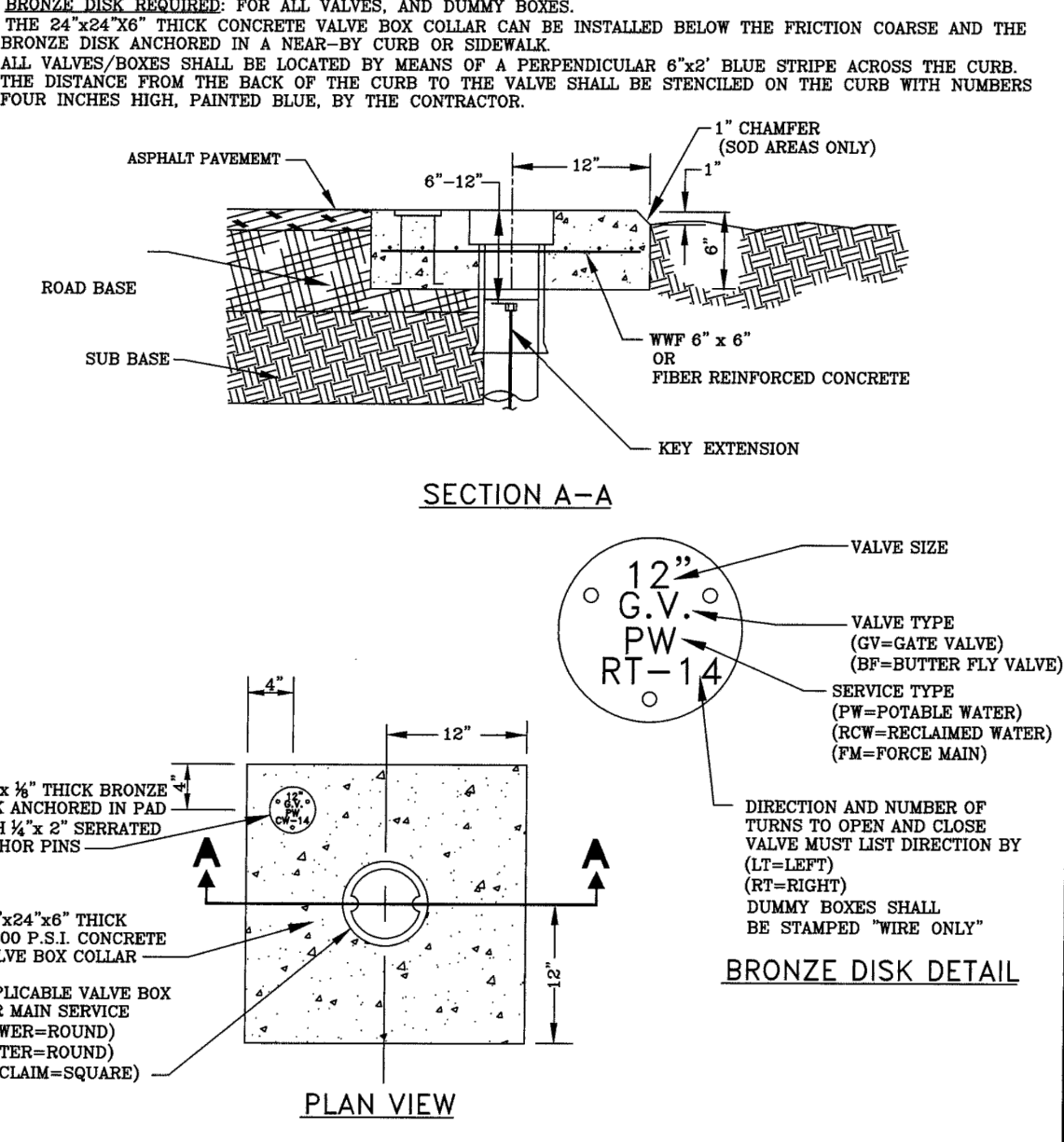
- NOTES:**
- ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST P.C.U. APPROVED MATERIAL SPECIFICATION MANUAL.
 - FILTER FABRIC REQUIRED ON VALVES WHEN PIPE LINE HAS 5" OR MORE OF COVER. VALVE KEY EXTENSION REQUIRED ON VALVES WITH OPERATOR NUT OVER 2" DEEP. COLOR CODED POLY WRAP REQUIRED ON ALL BURIED VALVES AND FITTINGS.



PINELLAS COUNTY
VALVE BOX/TRACER WIRE INSTALLION
DETAIL

DETAIL INDEX T.D.: PCU GD 4
DATE: FEB/2016
DESIGNER: KEVIN BELOTTE, P.E.
REVISION: *Kevin Belette*

- NOTES:**
- ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST P.C.U. APPROVED MATERIAL SPECIFICATION MANUAL.
 - IF VALVE IS LOCATED WITHIN A SIDEWALK CONCRETE COLLAR MAY BE ELIMINATED AND DISK SET FLUSH DIRECTLY IN SIDEWALK.
 - BRONZE DISK REQUIRED FOR ALL VALVES AND DUMMY BOXES.
 - THE 24"x24"x6" THICK CONCRETE VALVE BOX COLLAR CAN BE INSTALLED BELOW THE FRICTION COARSE AND THE BRONZE DISK ANCHORED IN A NEAR-BY CURB OR SIDEWALK.
 - ALL VALVES/BOXES SHALL BE LOCATED BY MEANS OF A PERPENDICULAR 6"x2" BLUE STRIPE ACROSS THE CURB. THE DISTANCE FROM THE BACK OF THE CURB TO THE VALVE SHALL BE STENCILED ON THE CURB WITH NUMBERS FOUR INCHES HIGH, PAINTED BLUE, BY THE CONTRACTOR.



PINELLAS COUNTY
CONCRETE VALVE BOX AND COLLAR
DETAIL

DETAIL INDEX T.D.: PCU GD 5
DATE: FEB/2016
DESIGNER: KEVIN BELOTTE, P.E.
REVISION: *Kevin Belette*

- NOTES:**
- ALL MATERIALS SHALL BE IN ACCORDANCE WITH THE LATEST P.C.U. APPROVED MATERIAL SPECIFICATION.
 - MANUAL THIS TABLE SHALL BE UTILIZED FOR ALL PRESSURE MAIN INSTALLATIONS. ALL FITTINGS SHALL BE RESTRAINED TO THE LENGTHS INDICATED, AT A MINIMUM.
 - THIS TABLE WAS DEVELOPED USING THE FOLLOWING ASSUMPTIONS:
 - D.I. PIPE WITH POLY WRAP
 - SAFETY FACTOR OF 1.5 TO 1
 - TEST PRESSURE OF 150 P.S.I.
 - SOIL TYPE = S.M.
 - TYPE 3 TRENCH
 - DEPTH OF COVER = 2.5' UP TO 18" AND 3' FOR 20" AND ABOVE.
 - WHEN A TEE HAS A VALVE ON THE RUN, THE BRANCH AND THE RUNS SHALL BE RESTRAINED AS A 90° BEND FOR THE SIZE OF THE PIPE.
 - ALL BENDS, TEES, AND VALVES SHALL BE RESTRAINED ON EACH SIDE OF THE FITTING.
 - ALL RESTRAINED PIPE LENGTHS ARE IN FEET.
 - "*" REPRESENTS THE RESTRAINED JOINTS AT THE FITTINGS.
 - HPPE TRANSITION VALVE IS FOR STRAIGHT TIE-INS. IF A BEND IS USED, THE VALVE FOR THE BEND MUST BE ADDED.
 - LINE VALVES SHALL BE RESTRAINED UPSTREAM AND DOWNSTREAM AS A DEAD END.

PIPE SIZE	FITTINGS				
	TEE	90°	45°	22 1/2°	DEAD END
2"	40	17	F	F	40
4"	19	49	20	10	5
6"	33	69	28	14	7
8"	58	88	37	18	9
10"	76	107	44	21	11
12"	93	125	52	25	12
14"	110	142	59	28	14
16"	127	159	66	32	16
18"	143	175	73	35	17
20"	132	164	68	33	16
24"	159	192	79	38	19
30"	195	229	95	46	23
36"	230	264	109	53	26

REDUCERS	FITTINGS		LARGER PIPE
	LG. SIZE	SM. SIZE	
4"	2"	17"	24
6"	4"	50"	35
8"	4"	91"	64
	6"	53"	37
	4"	123"	87
10"	6"	93"	66
	8"	51"	36
	4"	154"	108
12"	6"	129"	91
	8"	64"	37
	10"	52"	37
	6"	160"	113
14"	8"	131"	92
	10"	95"	67
	12"	57"	36
16"	8"	190"	134
	10"	165"	116
	12"	134"	94
	12"	96"	67
18"	8"	196"	137
	10"	169"	118
	12"	135"	93
	14"	96"	67
20"	10"	217"	141
	12"	147"	103
	14"	117"	82
	16"	82"	58
24"	12"	201"	141
	14"	149"	104
	16"	117"	82
	18"	82"	57
30"	20"	178"	125
	24"	115"	80
	20"	258"	180
	24"	207"	144
36"	30"	114"	80

PINELLAS COUNTY
PRESSURE MAIN RESTRAINED JOINT
DETAIL

DETAIL INDEX T.D.: PCU GD 11
DATE: FEB/2016
DESIGNER: KEVIN BELOTTE, P.E.
REVISION: *Kevin Belette*