

DATE	
REVISION	
MARK	
DRAWING: 21-037 CONST.	
DESIGNED: JEB	
CHECKED: JEB	
SCALE: 1"=40'	
DATE: 10/14/21	
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SCHULKE, BITTLE & STODDARD, L.L.C.
 CIVIL & STRUCTURAL ENGINEERING - LAND PLANNING - ENVIRONMENTAL PERMITTING
 CERTIFICATION OF AUTHORIZATION NO.: 00008668
 1717 INDIAN RIVER BLVD., SUITE 201 VERO BEACH, FLORIDA 32960
 TEL 772-770-9496 FAX 772-770-9496 EMAIL: jbittle@sbseengineers.com
 WEBSITE: https://www.sbseengineers.com

EXISTING CONDITIONS AND SWPPP PLAN

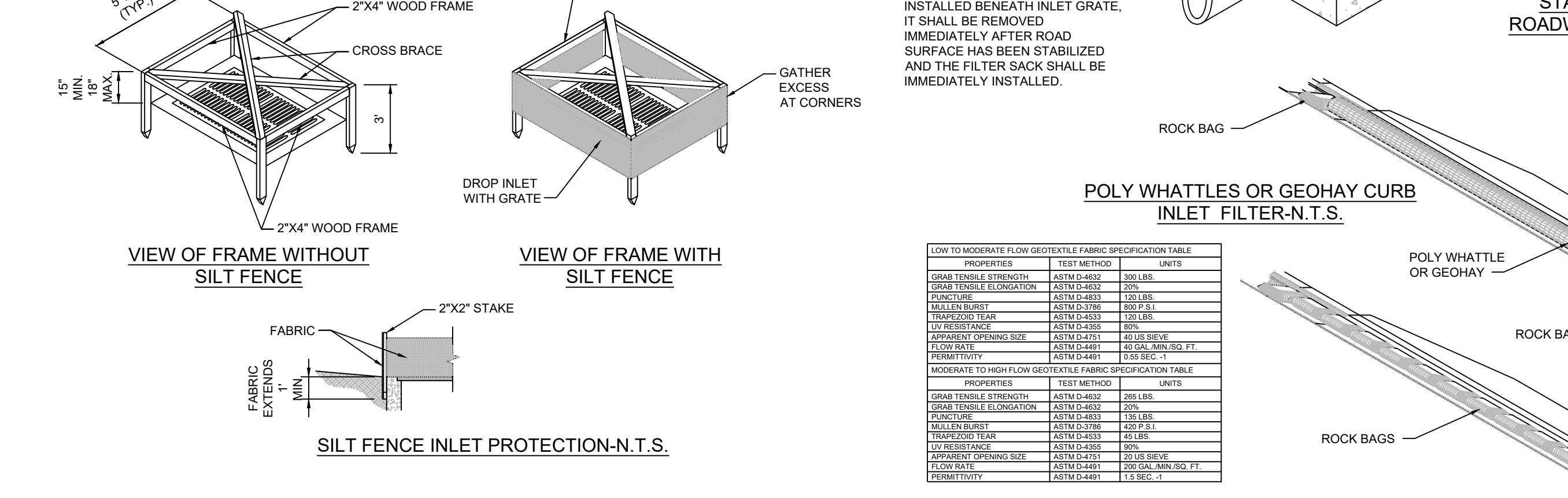
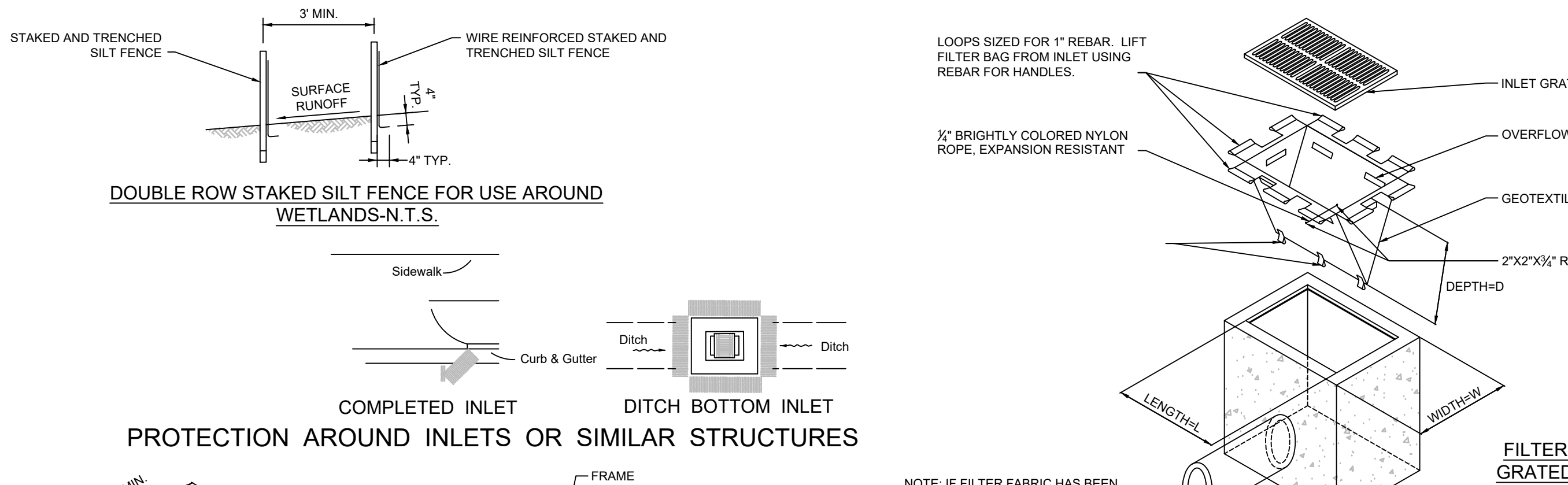
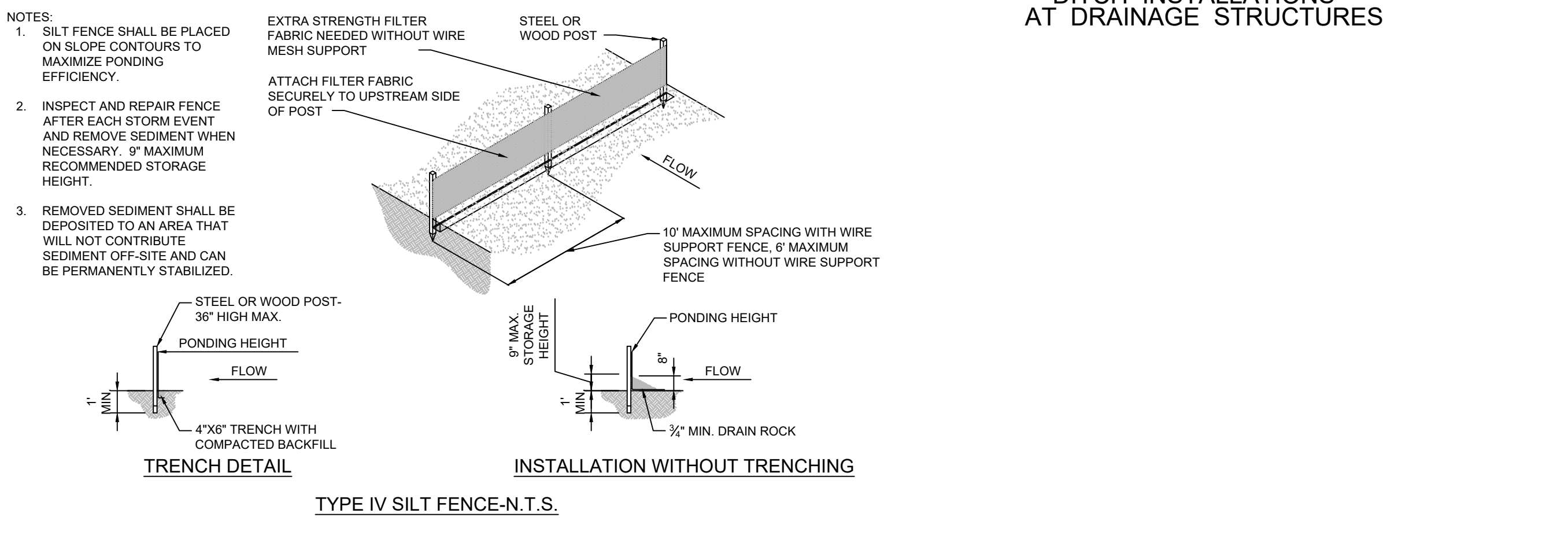
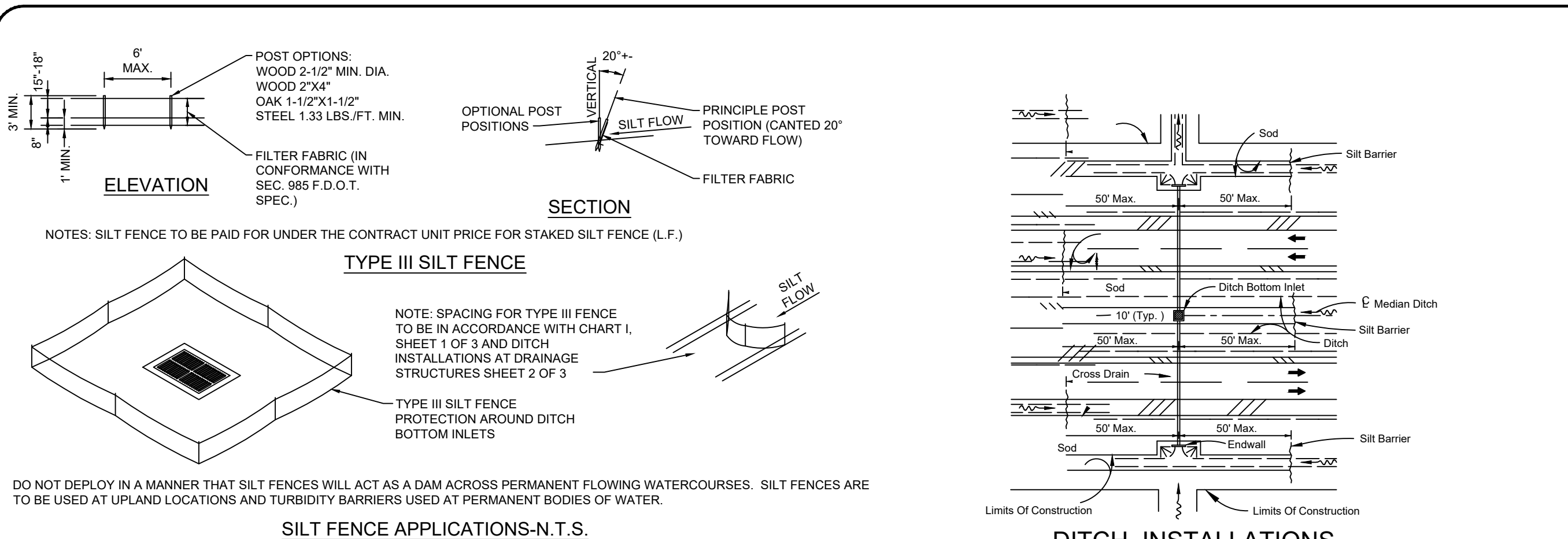
BRIDGE MARKETPLACE

ENGINEER CERTIFICATION

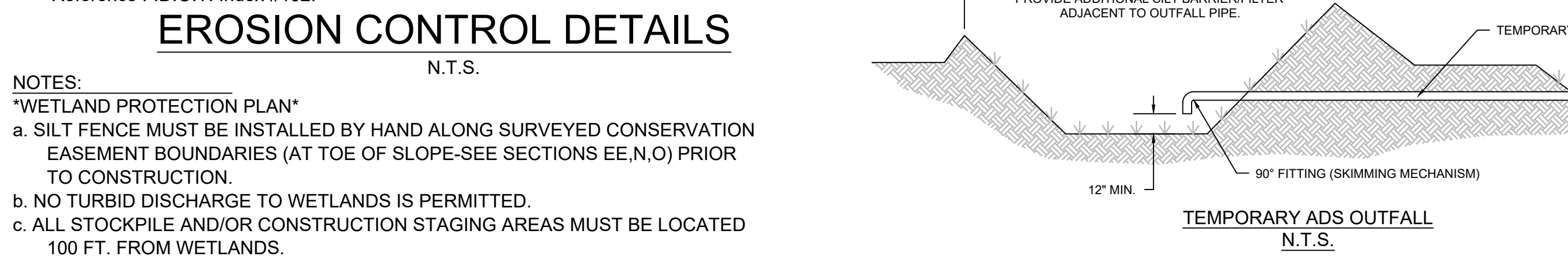
JOAH B. BITTLE
 P.E. REG. NO. 57396

FLORIDA PROFESSIONAL ENGINEER

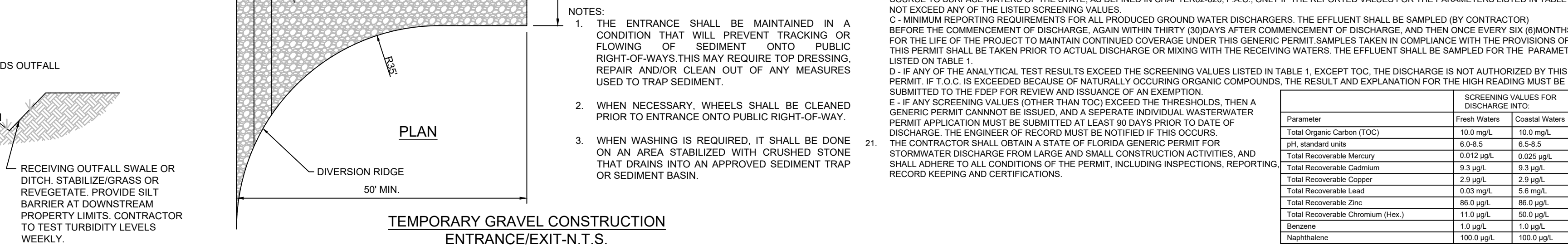
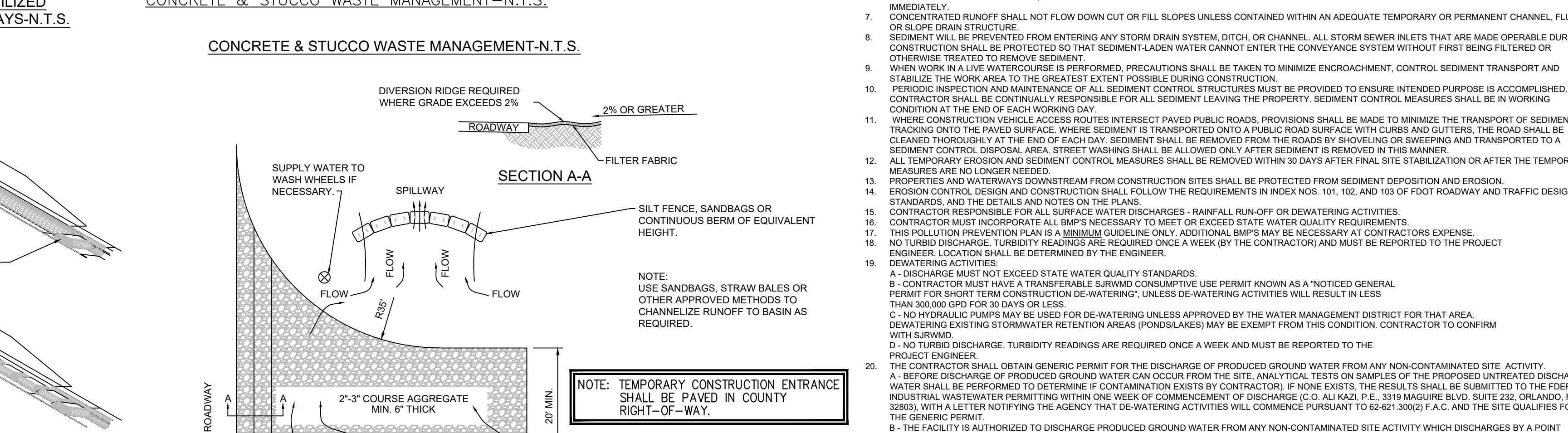
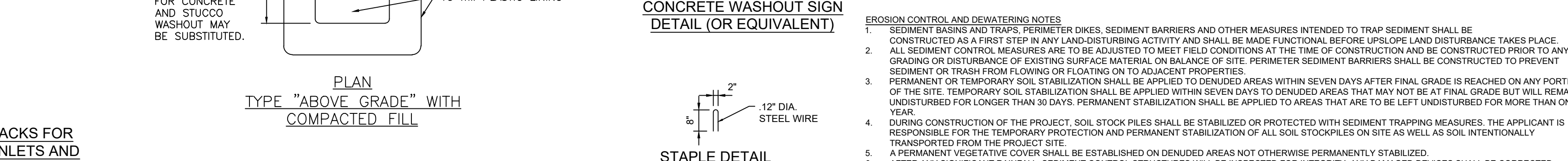
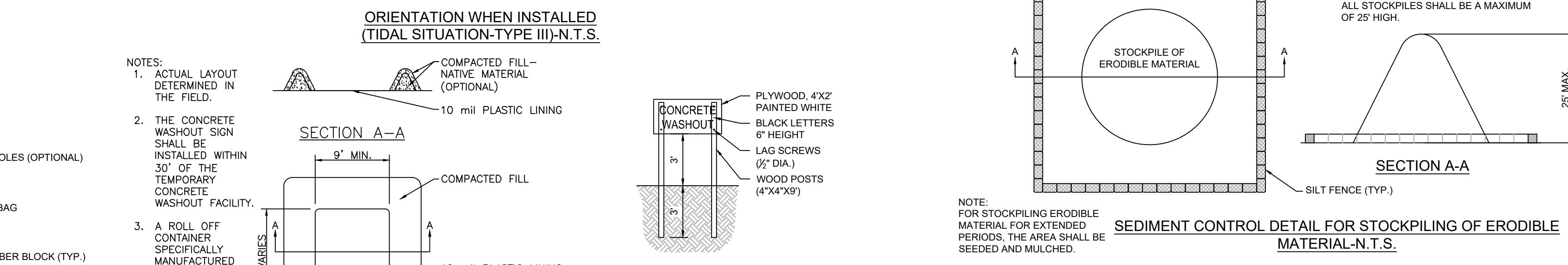
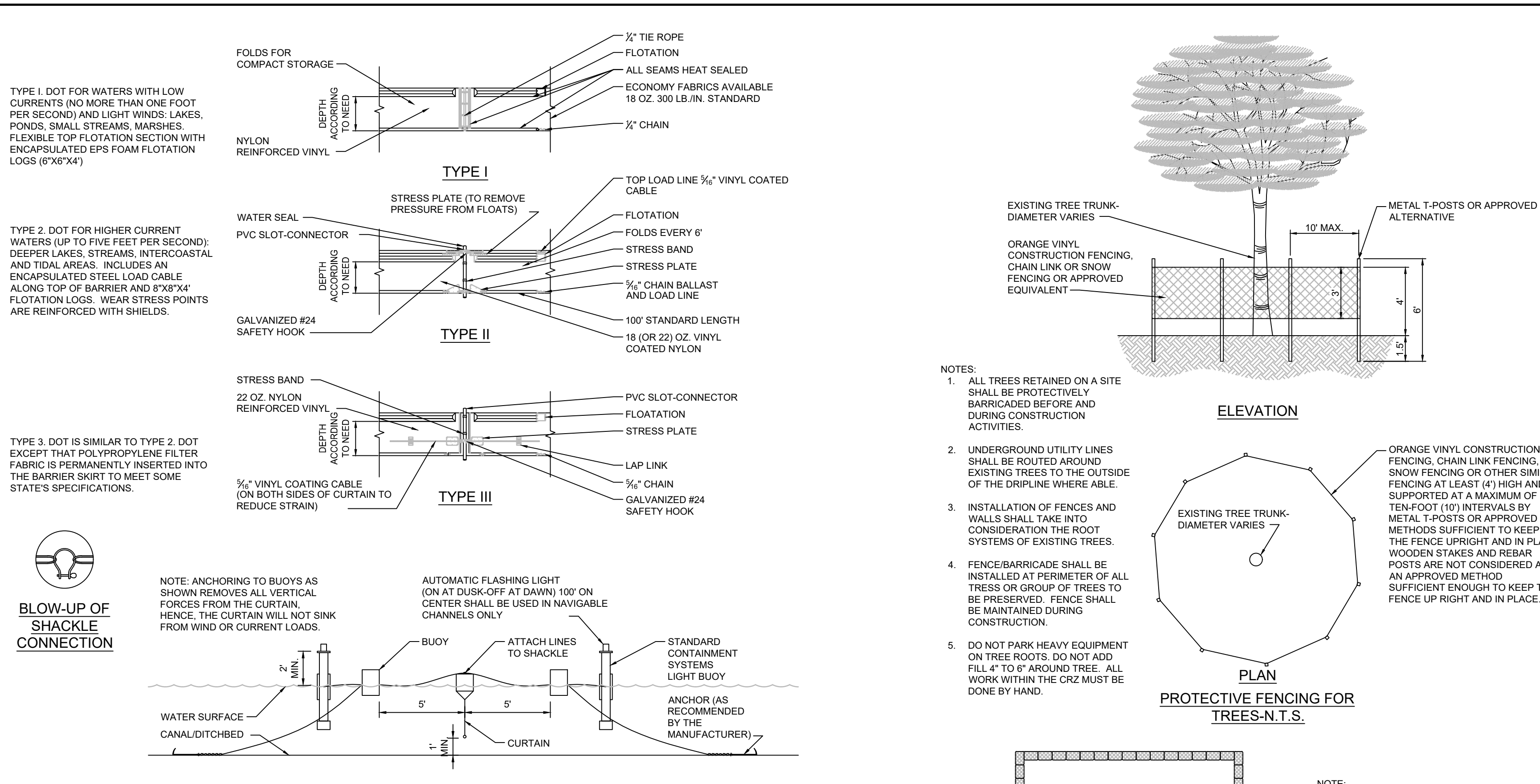
PROJECT NO. 21-037 SHEET 02



- All turbidity, erosion, and sedimentation controls shall be in accordance with 'Best Management Practices' as described in the Florida Land Development Manual: A Guide to Sound Land and Water Management.
- Reference F.D.O.T. Index #102.



NOTES:
a. Silt fence must be installed by hand along surveyed conservation easement boundaries (at toe of slope-see sections EE,N,O) prior to construction.
b. No turbid discharge to wetlands is permitted.
c. All stockpile and/or construction staging areas must be located 100 ft. from wetlands.



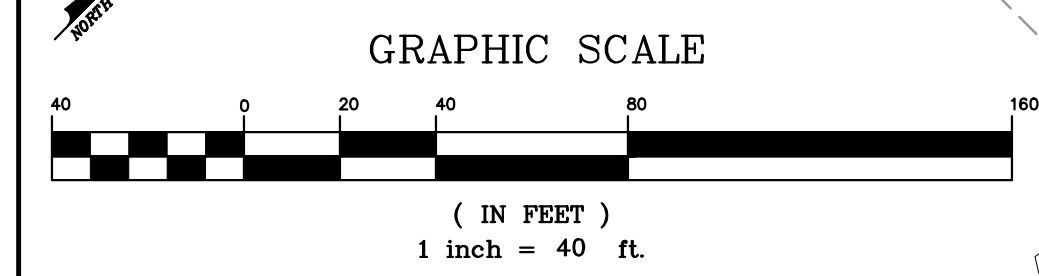
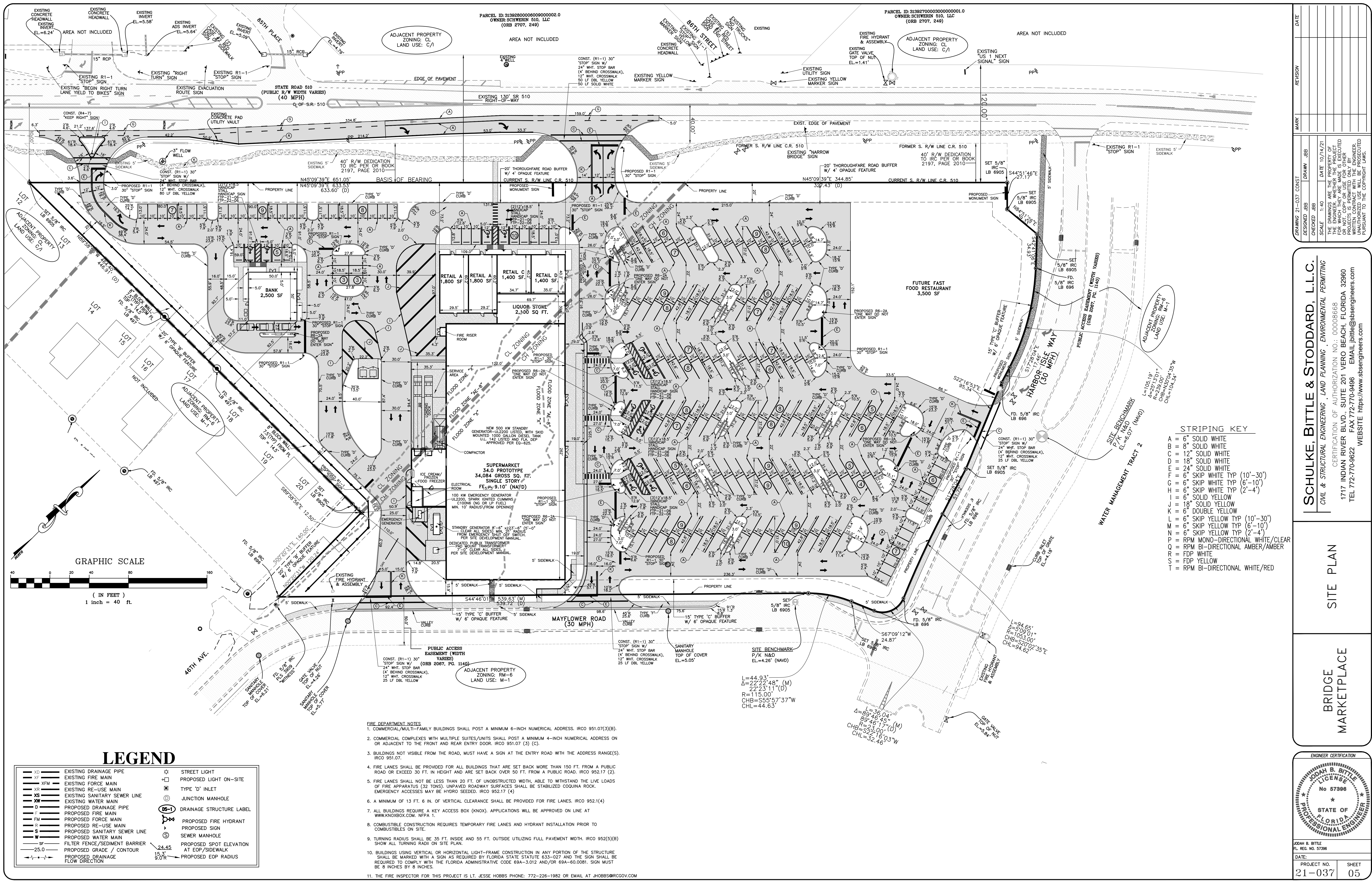
NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC 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.

MARK		DRAWN		DATE	
DESIGNED	JBB	DRAWN	JBB	DATE	10/14/21
CHECKED	JBB	DATE			
DATE					
REVISION					

SCHULKE, BITTLE & STODDARD, L.L.C.
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TEL 772-770-9622 FAX 772-770-9496 EMAIL jbittle@sbsengineers.com
WEBSITE https://www.sbsengineers.com

EXISTING AND SWPPP PLAN
BRIDGE CONDITIONS AND MARKETPLACE

PROJECT NO. 21-037 SHEET 03



LEGEND

—XD—	EXISTING DRAINAGE PIPE	⊛	STREET LIGHT	
—XF—	EXISTING FIRE MAIN	⊞	PROPOSED LIGHT ON-SITE	
—XFM—	EXISTING FORCE MAIN	⊞	TYPE 'D' INLET	
—XS—	EXISTING RE-USE MAIN	⊞	JUNCTION MANHOLE	
—XS—	EXISTING SANITARY SEWER LINE	⊞	⊞	DRAINAGE STRUCTURE LABEL
—XW—	EXISTING WATER MAIN	⊞	⊞	PROPOSED FIRE HYDRANT
—D—	PROPOSED DRAINAGE PIPE	⊞	⊞	PROPOSED SIGN
—F—	PROPOSED FIRE MAIN	⊞	⊞	SEWER MANHOLE
—FM—	PROPOSED FORCE MAIN	⊞	⊞	PROPOSED SPOT ELEVATION AT EOP/SIDEWALK
—R—	PROPOSED RE-USE MAIN	⊞	⊞	24.45
—S—	PROPOSED SANITARY SEWER LINE	⊞	⊞	15.3
—W—	PROPOSED WATER MAIN	⊞	⊞	9.0R
—SF—	FILTER FENCE/SEDIMENT BARRIER	⊞	⊞	PROPOSED EOP RADIUS
—25.0	PROPOSED GRADE / CONTOUR	⊞	⊞	
—	PROPOSED DRAINAGE FLOW DIRECTION	⊞	⊞	

- #### FIRE DEPARTMENT NOTES
- COMMERCIAL/MULTI-FAMILY BUILDINGS SHALL POST A MINIMUM 6-INCH NUMERICAL ADDRESS. IRCO 951.07(3)(B).
 - COMMERCIAL COMPLEXES WITH MULTIPLE SUITES/JUNITS SHALL POST A MINIMUM 4-INCH NUMERICAL ADDRESS ON OR ADJACENT TO THE FRONT AND REAR ENTRY DOOR. IRCO 951.07 (3) (C).
 - BUILDINGS NOT VISIBLE FROM THE ROAD, MUST HAVE A SIGN AT THE ENTRY ROAD WITH THE ADDRESS RANGE(S). IRCO 951.07.
 - FIRE LANES SHALL BE PROVIDED FOR ALL BUILDINGS THAT ARE SET BACK MORE THAN 150 FT. FROM A PUBLIC ROAD OR EXCEED 30 FT. IN HEIGHT AND ARE SET BACK OVER 50 FT. FROM A PUBLIC ROAD. IRCO 952.17 (2).
 - FIRE LANES SHALL NOT BE LESS THAN 20 FT. OF UNOBSTRUCTED WIDTH, ABLE TO WITHSTAND THE LIVE LOADS OF FIRE APPARATUS (32 TONS). UNPAVED ROADWAY SURFACES SHALL BE STABILIZED COQUINA ROCK. EMERGENCY ACCESSES MAY BE HYDRO SEEDED. IRCO 952.17 (4)
 - A MINIMUM OF 13 FT. 6 IN. OF VERTICAL CLEARANCE SHALL BE PROVIDED FOR FIRE LANES. IRCO 952.1(4)
 - ALL BUILDINGS REQUIRE A KEY ACCESS BOX (KNOX). APPLICATIONS WILL BE APPROVED ON LINE AT WWW.KNOXBOX.COM. NFPA 1.
 - COMBUSTIBLE CONSTRUCTION REQUIRES TEMPORARY FIRE LANES AND HYDRANT INSTALLATION PRIOR TO COMBUSTIBLES ON SITE.
 - TURNING RADIUS SHALL BE 35 FT. INSIDE AND 55 FT. OUTSIDE UTILIZING FULL PAVEMENT WIDTH. IRCO 952(5)(B) SHOW ALL TURNING RADII ON SITE PLAN.
 - BUILDINGS USING VERTICAL OR HORIZONTAL LIGHT-FRAME CONSTRUCTION IN ANY PORTION OF THE STRUCTURE SHALL BE MARKED WITH A SIGN AS REQUIRED BY FLORIDA STATE STATUTE 633-027 AND THE SIGN SHALL BE REQUIRED TO COMPLY WITH THE FLORIDA ADMINISTRATIVE CODE 69A-3.012 AND/OR 69A-60.0081. SIGN MUST BE 8 INCHES BY 8 INCHES.
 - THE FIRE INSPECTOR FOR THIS PROJECT IS LT. JESSE HOBBS PHONE: 772-226-1982 OR EMAIL AT J.HOBBS@RCOV.COM

STRIPING KEY

A	6" SOLID WHITE
B	8" SOLID WHITE
C	12" SOLID WHITE
D	18" SOLID WHITE
E	24" SOLID WHITE
F	6" SKIP WHITE TYP (10'-30')
G	6" SKIP WHITE TYP (6'-10')
H	6" SKIP WHITE TYP (2'-4')
I	6" SOLID YELLOW
J	6" SOLID YELLOW
K	6" DOUBLE YELLOW
L	6" SKIP YELLOW TYP (10'-30')
M	6" SKIP YELLOW TYP (6'-10')
N	6" SKIP YELLOW TYP (2'-4')
O	RPM BI-DIRECTIONAL AMBER/AMBER
P	RPM MONO-DIRECTIONAL WHITE/CLEAR
Q	FDP WHITE
R	FDP YELLOW
U	RPM BI-DIRECTIONAL WHITE/RED

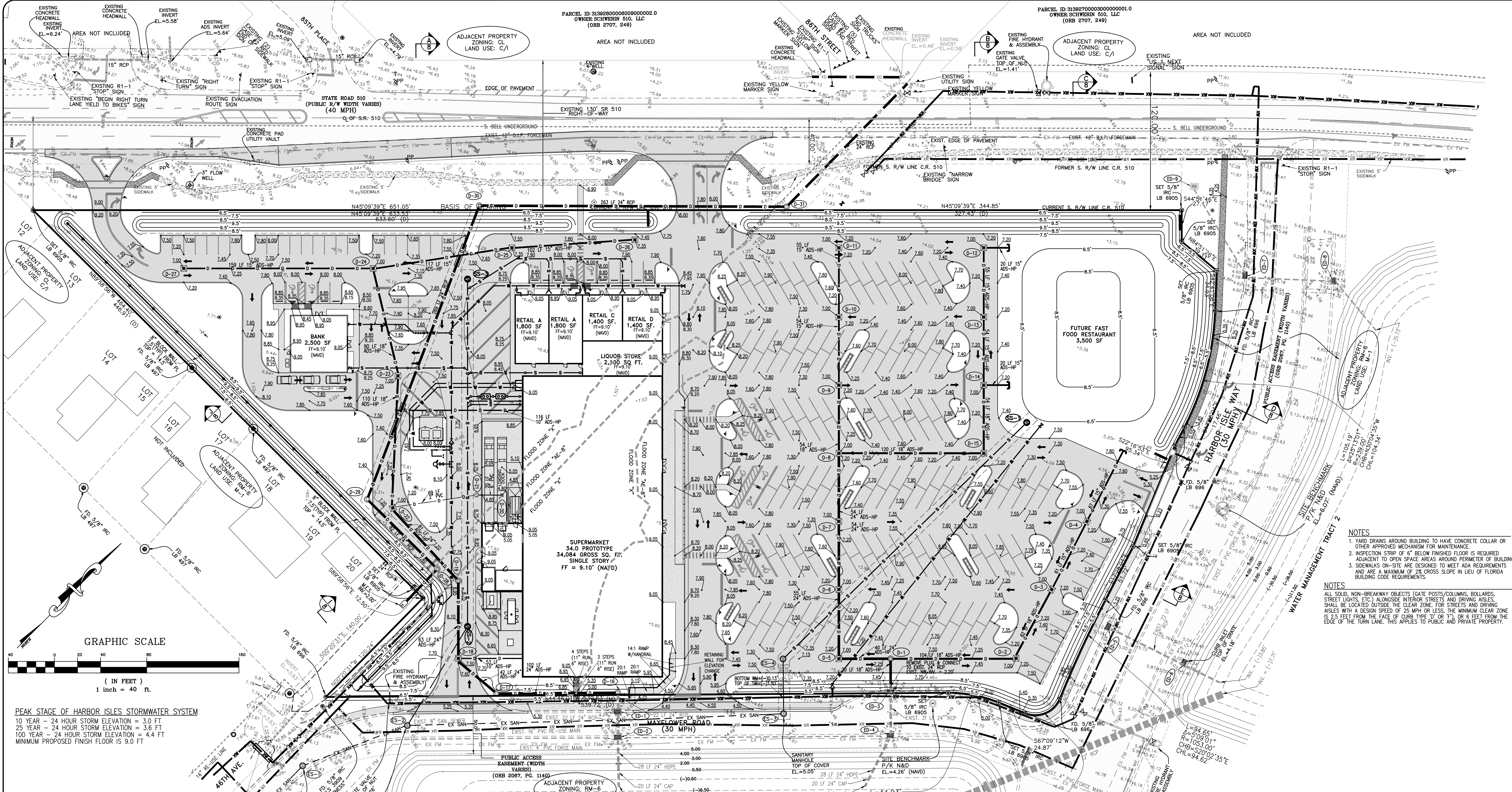
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 CIVIL & STRUCTURAL ENGINEERING LAND PLANNING ENVIRONMENTAL PERMITTING
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 WEBSITE https://www.sbsengineers.com

SITE PLAN
BRIDGE MARKETPLACE

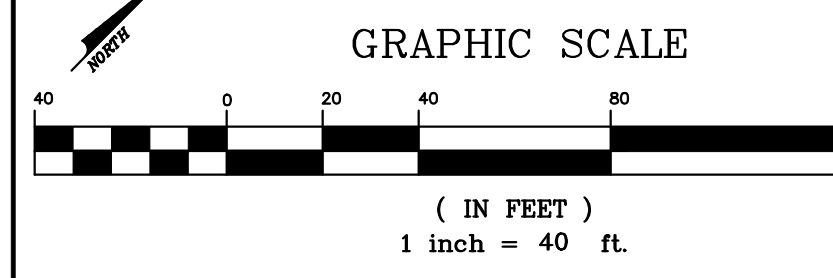
ENGINEER CERTIFICATION

JOSHUA B. BITTLE
 P.L. REG. NO. 57986
 DATE: _____
 PROJECT NO. 21-037 SHEET 05



Legend and Abbreviations: (symbols not scaleable for size)

- PLS - PROFESSIONAL LAND SURVEYOR
- PSM - PROFESSIONAL SURVEYOR & MAPPER
- LS - LAND SURVEYING BUSINESS
- CL - CENTERLINE
- R - RADIUS
- L - LENGTH
- Δ - DELTA ANGLE
- EP - EDGE OF PAVEMENT
- BC - BACK OF CURB
- B.M. - BENCHMARK
- POC - POINT OF COMMENCEMENT
- POB - POINT OF BEGINNING
- PCP - PERMANENT CONTROL POINT
- PCP - PERMANENT CONTROL POINT
- PRM - PERMANENT REFERENCE MONUMENT
- IRM - IRON ROD & CAP
- IP - IRON PIPE
- IRC - IRON ROD & CAP
- IR - IRON ROD & CAP
- CM - CONCRETE MONUMENT
- FD - FOUND
- MEAS - MEASURED
- P - PLAT
- CL - CALCULATED
- T - TRAFFIC CONTROL BOX
- GUY WIRE
- WOOD UTILITY POLE
- TELEPHONE SERVICE
- CABLE T.V. BOX
- ELECTRIC BOX
- LIGHT POST
- WELL
- HYDRANT
- GATE VALVE
- IRRIGATION VALVE
- WATER METER
- SANITARY SERVICE
- SEPTIC TANK
- DRAINAGE MANHOLE
- CURB INLET
- SURFACE INLET
- MITERED END SECTION
- CONCEPTUAL DRAINAGE
- STREET SIGN
- PROPOSED GRADE
- NAVD - NORTH AMERICAN VERTICAL DATUM
- ± - TYPICAL ELEVATION
- A/C - AIR CONDITIONER
- CONC. - CONCRETE
- F.F. - FINISH FLOOR
- B.S.B. - BUILDING SETBACK LINE
- EL.ELEV. - ELEVATION
- R/W - RIGHT OF WAY
- AS-BUILT
- PK - PARKER-KALON



PEAK STAGE OF HARBOR ISLES STORMWATER SYSTEM
 10 YEAR - 24 HOUR STORM ELEVATION = 3.0 FT
 25 YEAR - 24 HOUR STORM ELEVATION = 3.6 FT
 100 YEAR - 24 HOUR STORM ELEVATION = 4.4 FT
 MINIMUM PROPOSED FINISH FLOOR IS 9.0 FT

LEGEND

- EXISTING SANITARY SEWER LINE
- PROPOSED SANITARY SEWER LINE
- EXISTING DRAINAGE PIPE
- PROPOSED DRAINAGE PIPE
- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- FILTER FENCE/SEDIMENT BARRIER
- PROPOSED SPOT ELEVATION AT EOP/SIDEWALK
- PROPOSED EOP RADIUS
- PROPOSED GRADE / CONTOUR
- PROPOSED DRAINAGE FLOW DIRECTION
- STREET LIGHT
- PROPOSED LIGHT ON-SITE
- TYPE 'D' INLET
- JUNCTION MANHOLE
- DRAINAGE STRUCTURE LABEL
- PROPOSED FIRE HYDRANT
- PROPOSED SIGN
- SEWER MANHOLE

24.45
9.0' R
25.0

EXISTING DRAINAGE STRUCTURES

- ED-1 CURB INLET
TOP = 4.33'
NW. INV. = 0.84'
SE. INV. = 0.77'
- ED-2 CURB INLET
TOP = 4.21'
NW. INV. = 0.50'
SE. INV. = (-3.65)'
- ED-3 CURB INLET
TOP = 4.04'
NW. INV. = (-3.025)'
SE. INV. = 0.11'
- ED-4 CURB INLET
TOP = 4.11'
NW. INV. = (-3.011)'
SE. INV. = (-3.06)'
- ED-5 CURB INLET
TOP = 4.21'
NW. INV. = 0.50'
SE. INV. = (-3.65)'
- ED-6 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-7 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.15'
SE. INV. = 3.15'
BOTTOM = 2.65'
- ED-8 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-9 TYPE 'D' INLET
TOP = 3.82'
SE. INV. = (-2.03)
- ED-10 CURB INLET
TOP = 4.11'
NW. INV. = 0.50'
SE. INV. = 0.90'
- ED-11 CURB INLET
TOP = 5.09'
E. INV. = 0.6'
W. INV. = 0.5'
- ED-12 CURB INLET
TOP = 4.26'
E. INV. = (-15.03)'
W. INV. = (-15.52)'
- ED-13 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-14 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-15 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-16 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-17 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-18 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-19 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-20 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-21 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-22 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-23 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-24 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-25 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-26 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-27 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-28 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-29 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-30 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'
- ED-31 CURB INLET
TOP = 4.27'
E. INV. = (-15.24)'
W. INV. = (-15.27)'

PROPOSED DRAINAGE STRUCTURES

- D-1 JUNCTION MANHOLE
TOP = 7.30'
SW. INV. = 2.55'
NW. INV. = 2.70'
SE. INV. = 2.55'
BOTTOM = 2.05'
- D-2 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 2.80'
SE. INV. = 2.80'
BOTTOM = 2.30'
- D-3 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 2.90'
SE. INV. = 2.90'
BOTTOM = 2.40'
- D-4 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.00'
SE. INV. = 3.00'
BOTTOM = 2.50'
- D-5 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.10'
SE. INV. = 3.10'
BOTTOM = 2.60'
- D-6 JUNCTION MANHOLE
TOP = 6.00'
SW. INV. = 0.90'
NW. INV. = 1.50'
SE. INV. = 0.90'
BOTTOM = 0.30'
- D-7 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 2.80'
SE. INV. = 2.80'
BOTTOM = 2.30'
- D-8 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 2.90'
SE. INV. = 2.90'
BOTTOM = 2.40'
- D-9 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.00'
SE. INV. = 3.00'
BOTTOM = 2.50'
- D-10 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.10'
SE. INV. = 3.10'
BOTTOM = 2.60'
- D-11 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.20'
SE. INV. = 3.20'
BOTTOM = 2.70'
- D-12 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.30'
SE. INV. = 3.30'
BOTTOM = 2.80'
- D-13 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.40'
SE. INV. = 3.40'
BOTTOM = 2.90'
- D-14 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.50'
SE. INV. = 3.50'
BOTTOM = 3.00'
- D-15 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.60'
SE. INV. = 3.60'
BOTTOM = 3.10'
- D-16 JUNCTION MANHOLE
TOP = 6.00'
SW. INV. = 0.90'
NW. INV. = 1.50'
SE. INV. = 0.90'
BOTTOM = 0.30'
- D-17 JUNCTION MANHOLE
TOP = 6.00'
SW. INV. = 0.90'
NW. INV. = 1.50'
SE. INV. = 0.90'
BOTTOM = 0.30'
- D-18 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.20'
SE. INV. = 3.20'
BOTTOM = 2.70'
- D-19 JUNCTION MANHOLE
TOP = 6.00'
SW. INV. = 0.90'
NW. INV. = 1.50'
SE. INV. = 0.90'
BOTTOM = 0.30'
- D-20 24"x24" BASIN
TOP = 4.80'
SW. INV. = 4.05'
NW. INV. = 4.05'
SE. INV. = 4.05'
BOTTOM = 3.80'
- D-21 36" RCP SUMP
TOP = 8.70'
NE. INV. = 3.00'
NW. INV. = 3.80'
SE. INV. = 3.00'
BOTTOM = 2.00'
- D-22 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.20'
SE. INV. = 3.20'
BOTTOM = 2.70'
- D-23 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.30'
SE. INV. = 3.30'
BOTTOM = 2.80'
- D-24 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.40'
SE. INV. = 3.40'
BOTTOM = 2.90'
- D-25 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.50'
SE. INV. = 3.50'
BOTTOM = 3.00'
- D-26 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.60'
SE. INV. = 3.60'
BOTTOM = 3.10'
- D-27 TYPE 'D' INLET
TOP = 7.00'
NW. INV. = 3.70'
SE. INV. = 3.70'
BOTTOM = 3.20'
- D-28 TYPE 'D' INLET
TOP = 8.00'
NW. INV. = 1.80'
SE. INV. = 1.80'
BOTTOM = 0.80'
- D-29 TYPE 'D' INLET
TOP = 7.50'
NW. INV. = 1.70'
SE. INV. = 1.70'
BOTTOM = 0.70'
- D-30 TYPE 'D' INLET
TOP = 7.50'
NW. INV. = 1.80'
SE. INV. = 1.80'
BOTTOM = 0.80'
- D-31 TYPE 'D' INLET
TOP = 7.50'
NW. INV. = 1.90'
SE. INV. = 1.90'
BOTTOM = 0.90'

DATE	
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 1717 INDIAN RIVER BLVD., SUITE 201 VERO BEACH, FLORIDA 32960
 TEL 772-770-9496 FAX 772-770-9496 EMAIL jbittle@sbsengineers.com
 WEBSITE https://www.sbsengineers.com

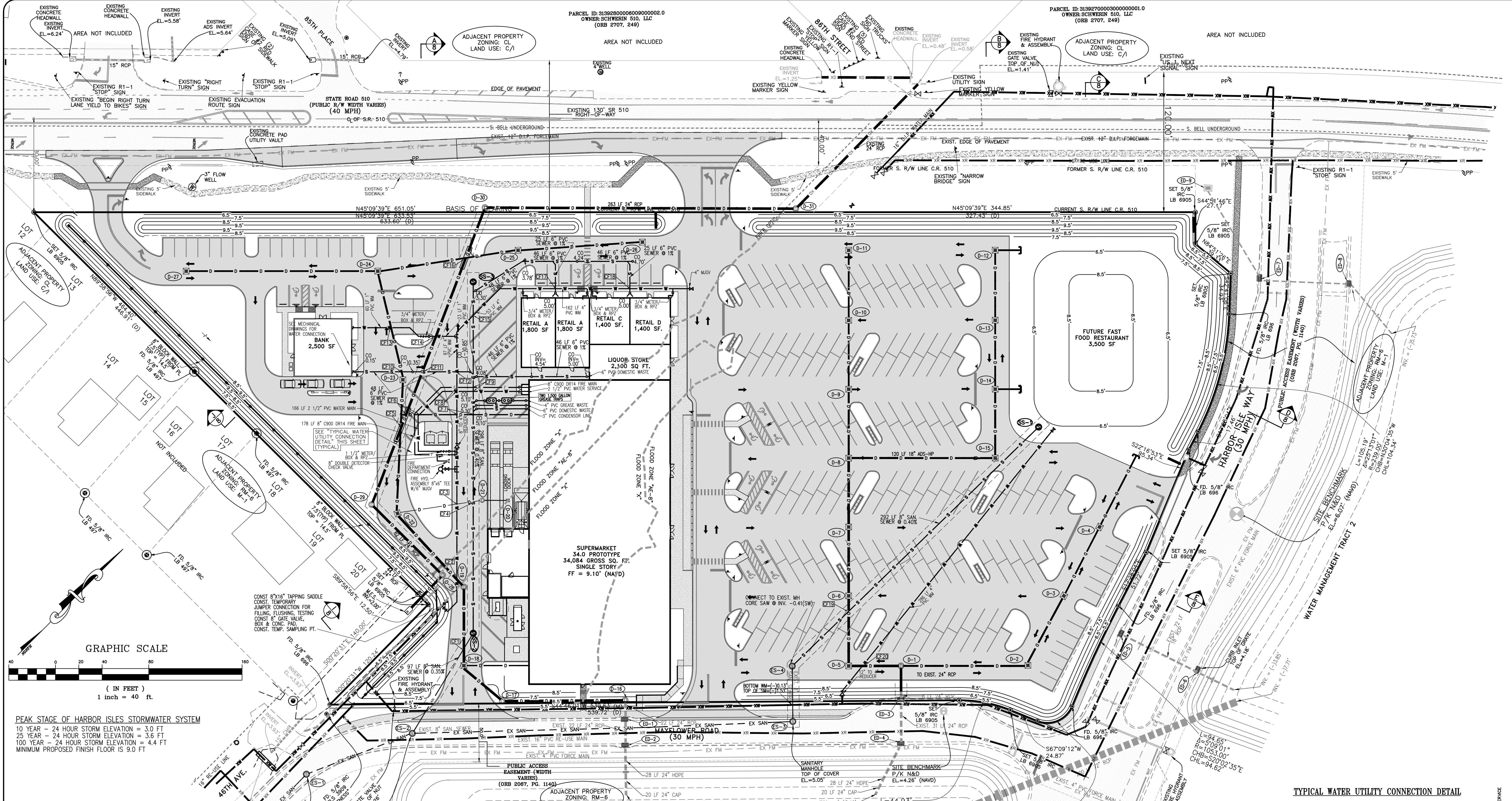
PAVING, GRADING, AND DRAINAGE PLAN

BRIDGE MARKETPLACE

ENGINEER CERTIFICATION

J. BITTLE
FL. REG. NO. 57396
DATE: PROJECT NO. SHEET
21-037 06A

- NOTES**
1. YARD DRAINS AROUND BUILDING TO HAVE CONCRETE COLLAR OR OTHER APPROVED MECHANISM FOR MAINTENANCE.
 2. INSPECTION STRIP OF 6" BELOW FINISHED FLOOR IS REQUIRED ADJACENT TO OPEN SPACE AREAS AROUND PERIMETER OF BUILDING.
 3. SIDEWALKS ON-SITE ARE DESIGNED TO MEET ADA REQUIREMENTS AND ARE A MAXIMUM OF 2% CROSS SLOPE IN LIEU OF FLORIDA BUILDING CODE REQUIREMENTS.
- NOTES**
- ALL SOLID, NON-BREAKWAY OBJECTS (GATE POSTS/COLUMNS, BOLLARDS, STREET LIGHTS, ETC.) ALONGSIDE INTERIOR STREETS AND DRIVING ALLEYS SHALL BE LOCATED OUTSIDE THE CLEAR ZONE FOR STREETS AND DRIVING ALLEYS WITH A DESIGN SPEED OF 25 MPH OR LESS. THE MINIMUM CLEAR ZONE IS 2.5 FEET FROM THE FACE OF CURB TYPE 'D' OR 'T' OR 6 FEET FROM THE EDGE OF THE TURN LANE. THIS APPLIES TO PUBLIC AND PRIVATE PROPERTY.



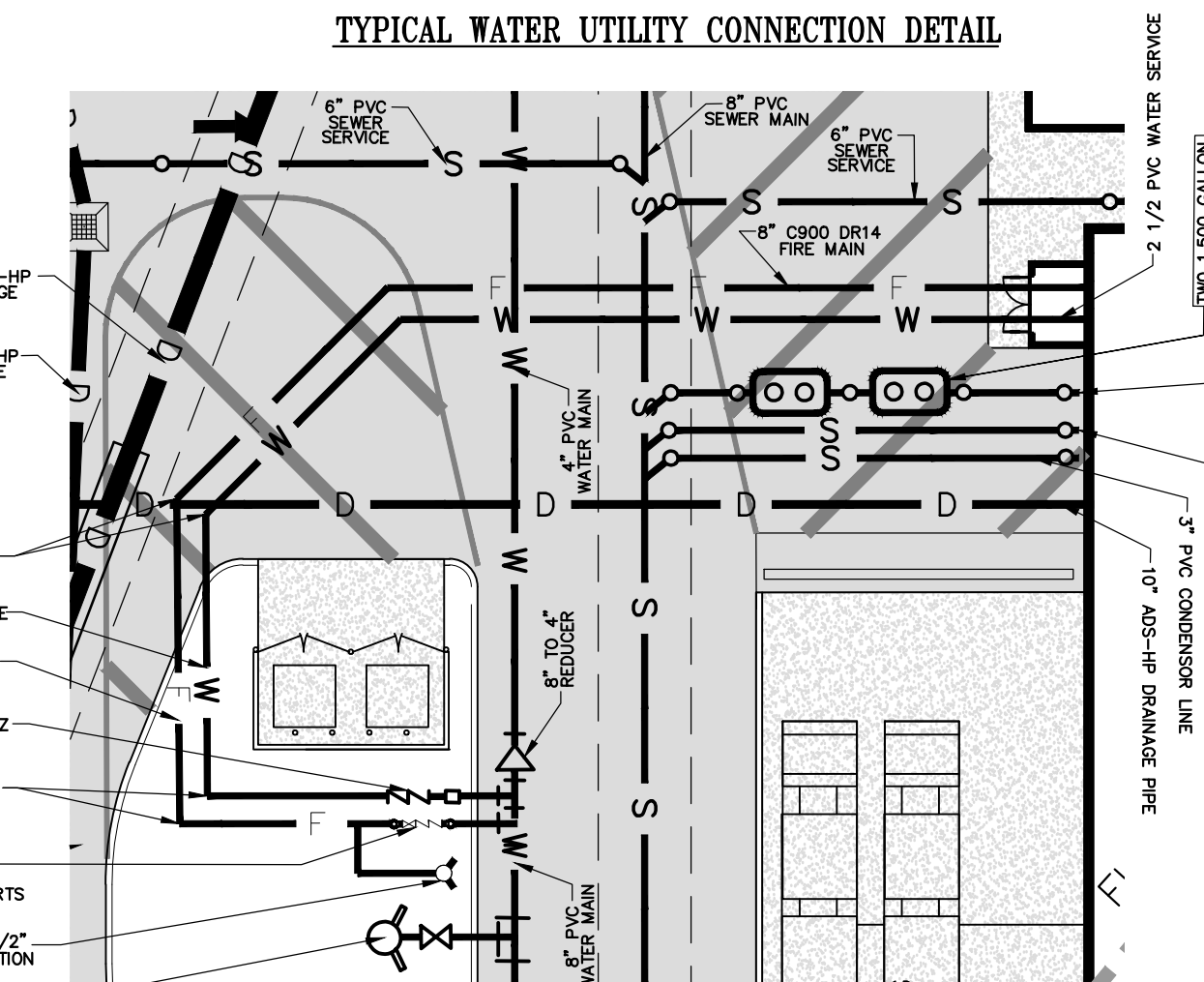
PEAK STAGE OF HARBOR ISLES STORMWATER SYSTEM
 10 YEAR - 24 HOUR STORM ELEVATION = 3.0 FT
 25 YEAR - 24 HOUR STORM ELEVATION = 3.6 FT
 100 YEAR - 24 HOUR STORM ELEVATION = 4.4 FT
 MINIMUM PROPOSED FINISH FLOOR IS 9.0 FT

- Legend & Abbreviations: (symbols not scaleable for size)**
- PLS - PROFESSIONAL LAND SURVEYOR
 - PSM - PROFESSIONAL SURVEYOR & MAPPER
 - LB - LAND SURVEYING BUSINESS
 - CL - CENTERLINE
 - R - RADIUS
 - L - LENGTH
 - Δ - DELTA ANGLE
 - E/P - EDGE OF PAVEMENT
 - B/C - BACK OF CURB
 - B.M. - BENCHMARK
 - POC - POINT OF COMMENCEMENT
 - POB - POINT OF BEGINNING
 - PCP - PERMANENT CONTROL POINT
 - PCP - PERMANENT CONTROL POINT
 - PRM - PERMANENT REFERENCE MONUMENT
 - IP - IRON PIPE
 - IRC - IRON ROD & CAP
 - IR - IRON ROD & CAP
 - CM - CONCRETE MONUMENT
 - CM - CONCRETE MONUMENT
 - FD - FOUND
 - M - MEASURED
 - P - PLAT
 - C - CALCULATED
 - T - TRAFFIC CONTROL BOX
 - GUY WIRE
 - WOOD UTILITY POLE
 - TELEPHONE SERVICE
 - CABLE T.V. BOX
 - ELECTRIC BOX
 - LIGHT POST
 - WELL
 - HYDRANT
 - GATE VALVE
 - IRRIGATION VALVE
 - WATER METER
 - SANITARY MANHOLE
 - SANITARY SERVICE
 - SEPTIC TANK
 - DRAINAGE MANHOLE
 - CURB INLET
 - SURFACE INLET
 - MITERED END SECTION
 - CONCEPTUAL DRAINAGE
 - STREET SIGN
 - PROPOSED GRADE
 - NORTH AMERICAN VERTICAL DATUM
 - TYPICAL ELEVATION
 - A/C - AIR CONDITIONER
 - CONC. - CONCRETE
 - F.F. - FINISH FLOOR
 - BSB - BUILDING SETBACK LINE
 - ELEV. - ELEVATION
 - R/W - RIGHT OF WAY
 - AS-BUILT
 - PK - PARKER-KALON
 - STREET LIGHT ON-SITE
 - PROPOSED SIGN
 - JUNCTION MANHOLE
 - DRAINAGE STRUCTURE LABEL
 - PROPOSED FIRE HYDRANT
 - PROPOSED SIGN
 - SEWER MANHOLE
 - PROPOSED SPOT ELEVATION
 - PROPOSED EOP RADIUS

- LEGEND**
- EXISTING DRAINAGE PIPE
 - EXISTING FIRE MAIN
 - EXISTING RE-USE MAIN
 - EXISTING SANITARY SEWER LINE
 - EXISTING WATER MAIN
 - PROPOSED DRAINAGE PIPE
 - PROPOSED FIRE MAIN
 - PROPOSED RE-USE MAIN
 - PROPOSED SANITARY SEWER LINE
 - PROPOSED WATER MAIN
 - FILTER FENCE/SEDIMENT BARRIER
 - PROPOSED GRADE / CONTOUR
 - PROPOSED DRAINAGE FLOW DIRECTION
 - ☆ STREET LIGHT
 - PROPOSED SIGN ON-SITE
 - TYPE 'D' INLET
 - ⊕ JUNCTION MANHOLE
 - ⊙ DRAINAGE STRUCTURE LABEL
 - ⊙ PROPOSED FIRE HYDRANT
 - ⊙ PROPOSED SIGN
 - ⊙ SEWER MANHOLE
 - ⊙ PROPOSED SPOT ELEVATION
 - ⊙ PROPOSED EOP RADIUS

- PROPOSED SEWER STRUCTURES**
- SS-1-PROPOSED MANHOLE
TOP = 5.74
S. INV = (-)3.65'
 - SS-2-PROPOSED MANHOLE
TOP = 8.20
SE. INV = (-)3.77'
NW. INV = (-)3.67'
 - SS-3-PROPOSED MANHOLE
TOP = 7.50
SE. INV = (-)2.45'

- EXISTING SEWER STRUCTURES**
- ES-1-EXISTING MANHOLE
TOP = 5.74
NE. INV = (-)3.47'
S. INV = (-)3.71'
 - ES-2-EXISTING MANHOLE
TOP = 8.20
NE. INV = (-)4.11'
SW. INV = (-)4.24'
CONST. INVERT AT ELEVATION (-)3.41'
 - ES-3-EXISTING MANHOLE
TOP = 5.08'
N. INV = (-)2.05'
SW. INV = (-)2.17'
 - ES-4-EXISTING MANHOLE
TOP = 4.89'
S. INV = (-)1.92'
CONST. INVERT AT ELEVATION (-)1.82'



DATE	REVISION	MARK
10/14/21		
1:40		

SCHULKE, BITTLE & STODDARD, L.L.C.
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 CERTIFICATION OF AUTHORIZATION NO.: 00008668
 1717 INDIAN RIVER BLVD., SUITE 201 VERO BEACH, FLORIDA 32960
 TEL 772-770-9496 FAX 772-770-9496 EMAIL jbittle@sbsengineers.com
 WEBSITE https://www.sbsengineers.com

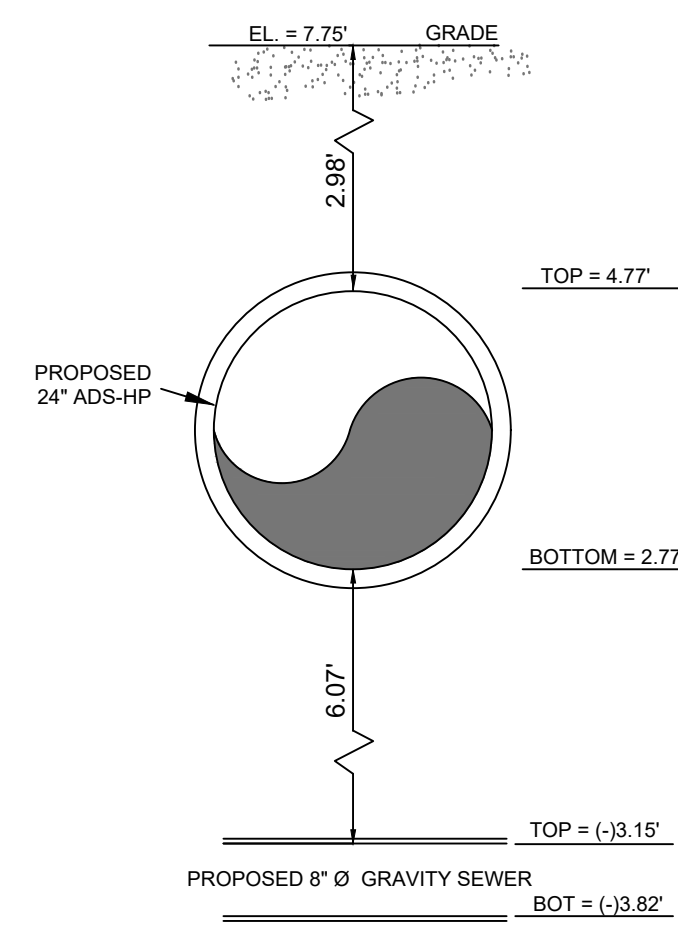
UTILITY PLAN

BRIDGE MARKETPLACE

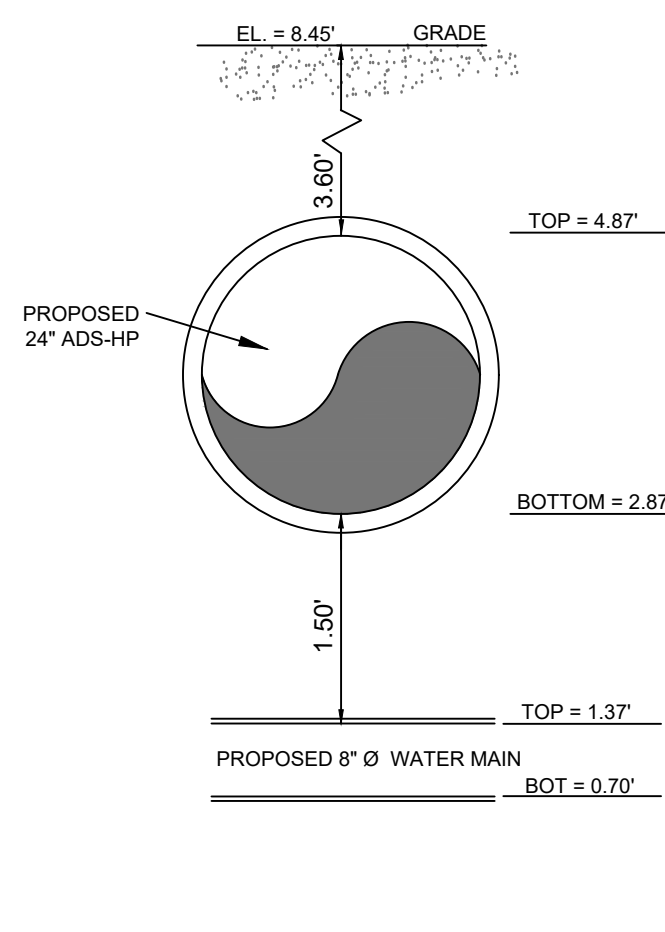
ENGINEER CERTIFICATION

JUDAH B. BITTLE
 FL. REG. NO. 57398
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

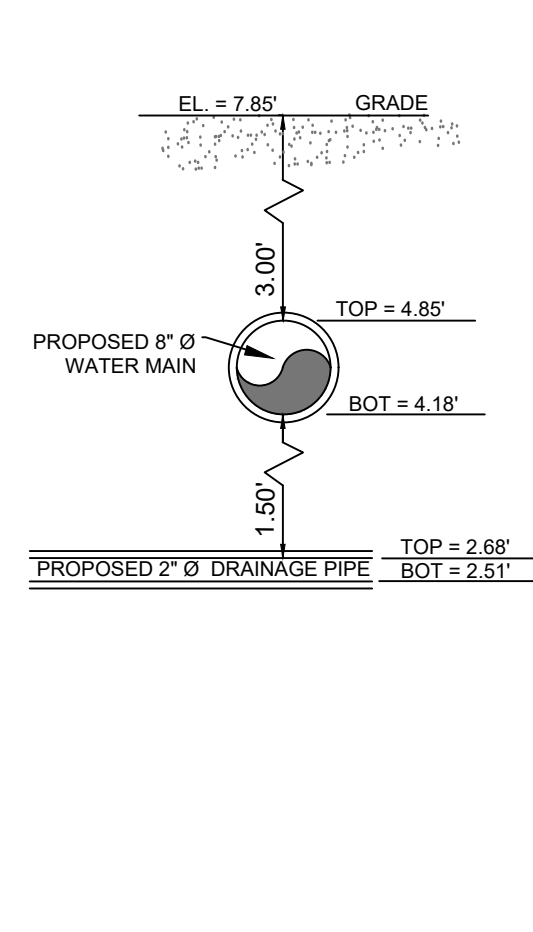
PROJECT NO. 21-037 SHEET 06B



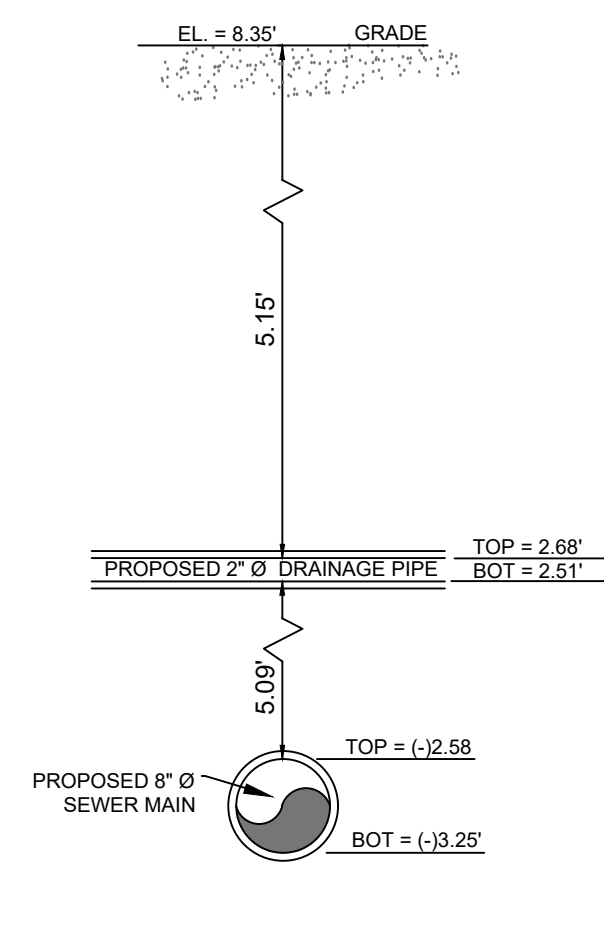
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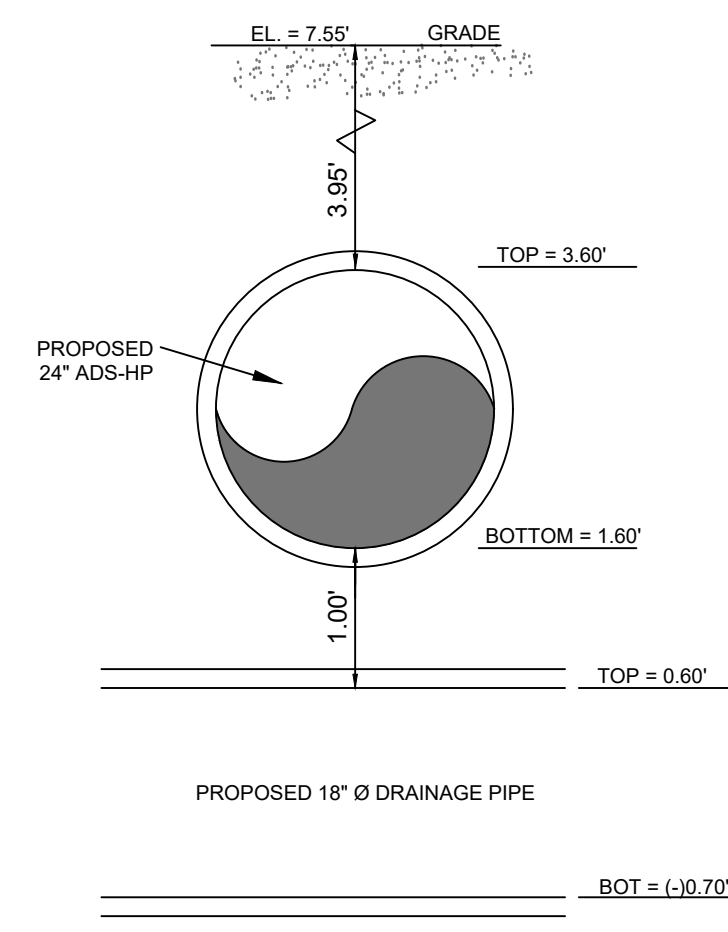
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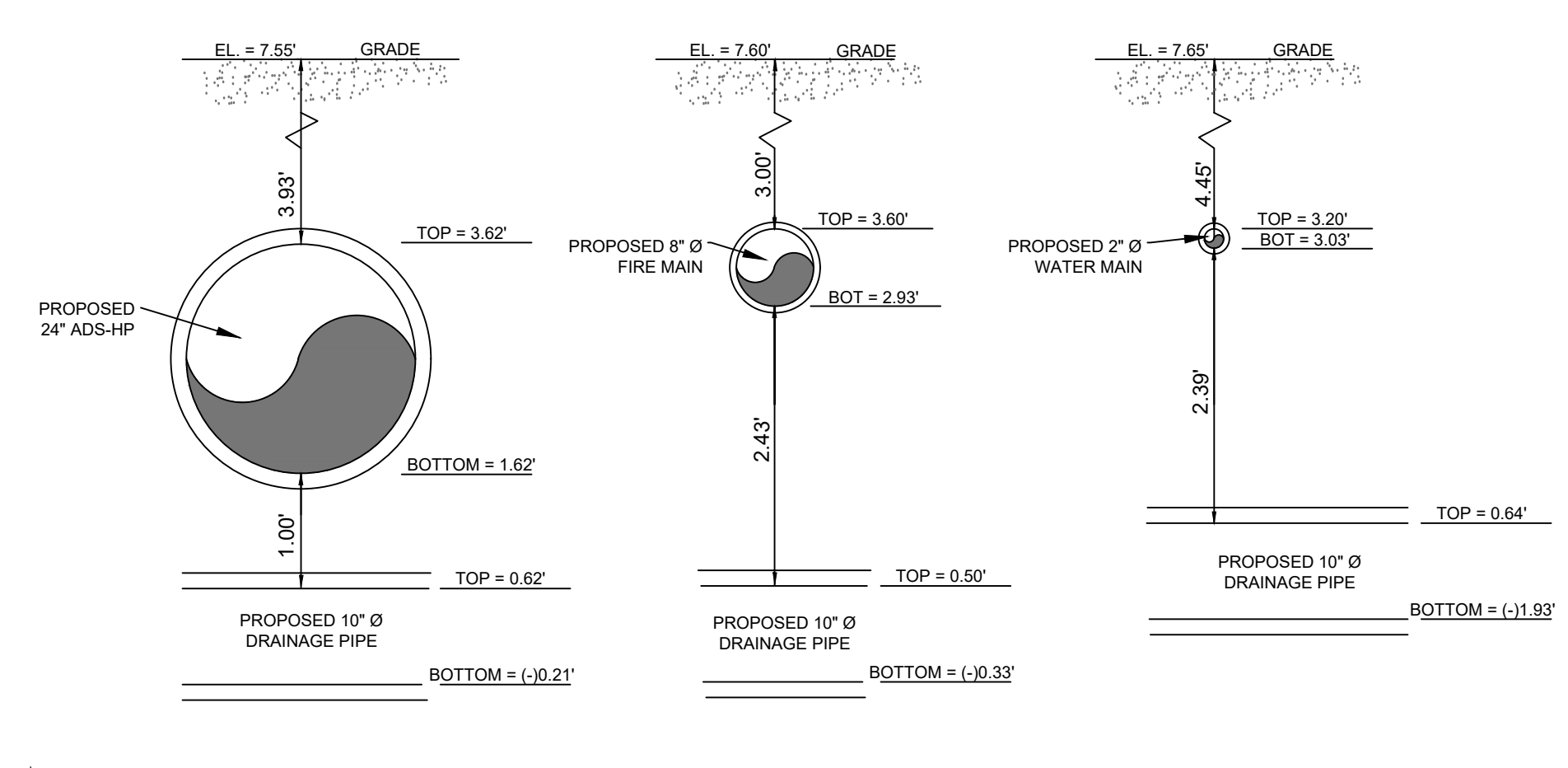
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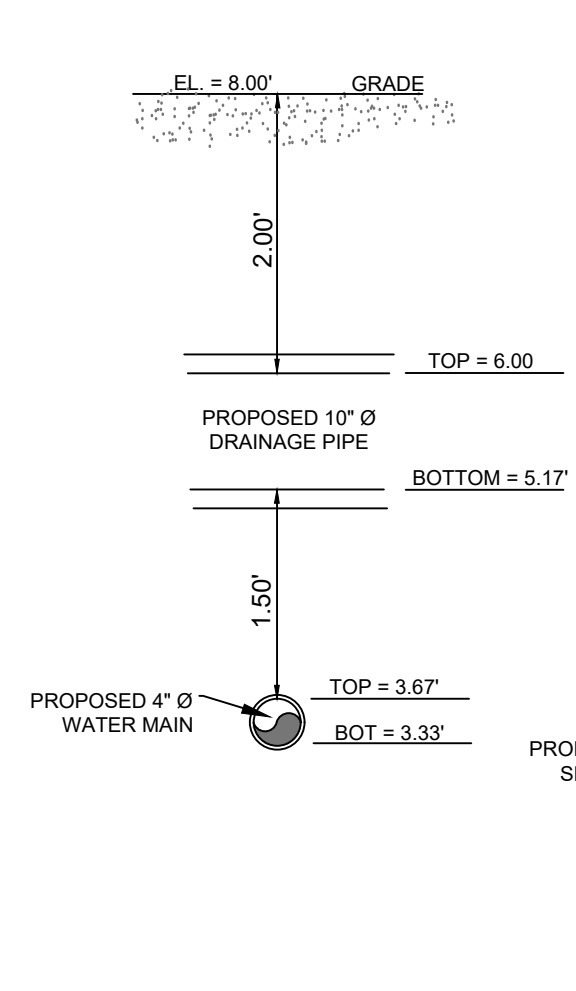
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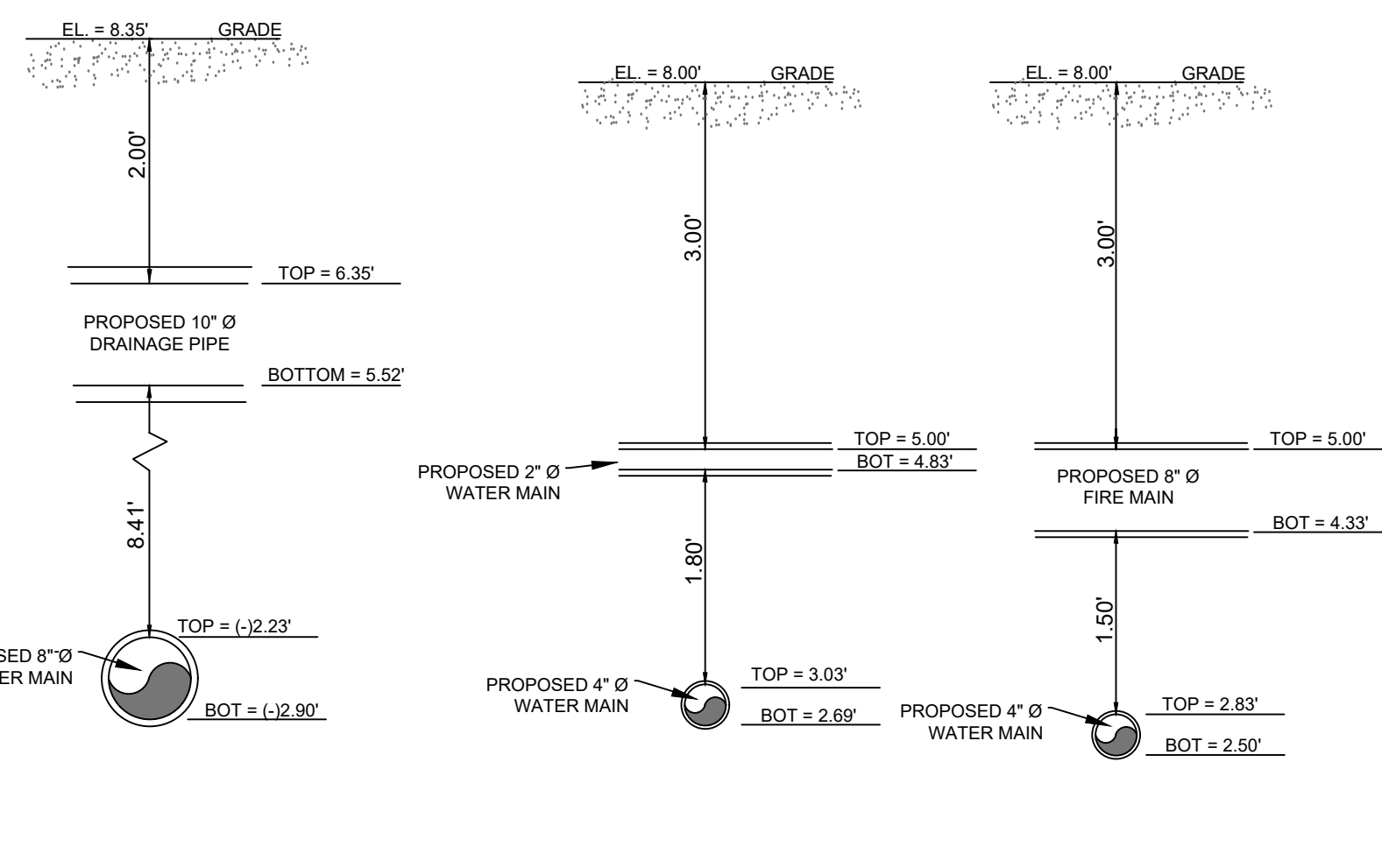
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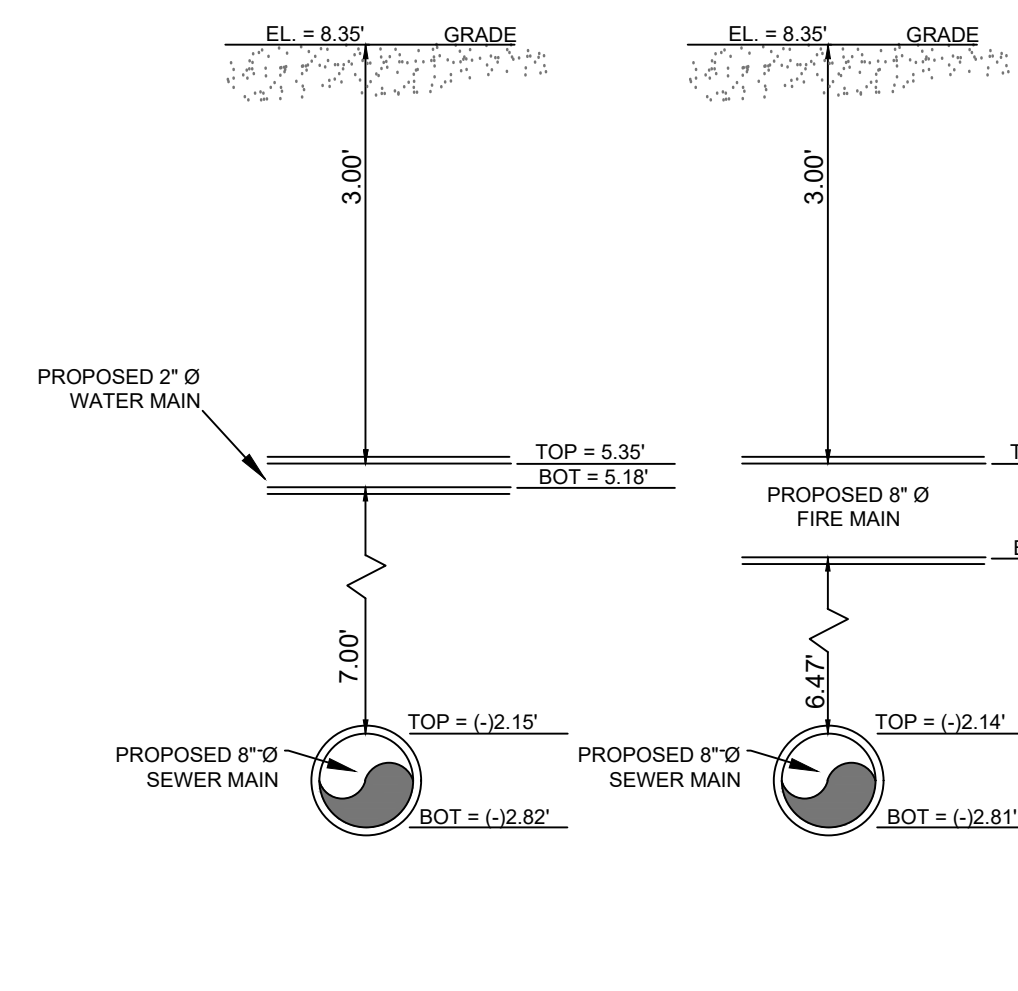
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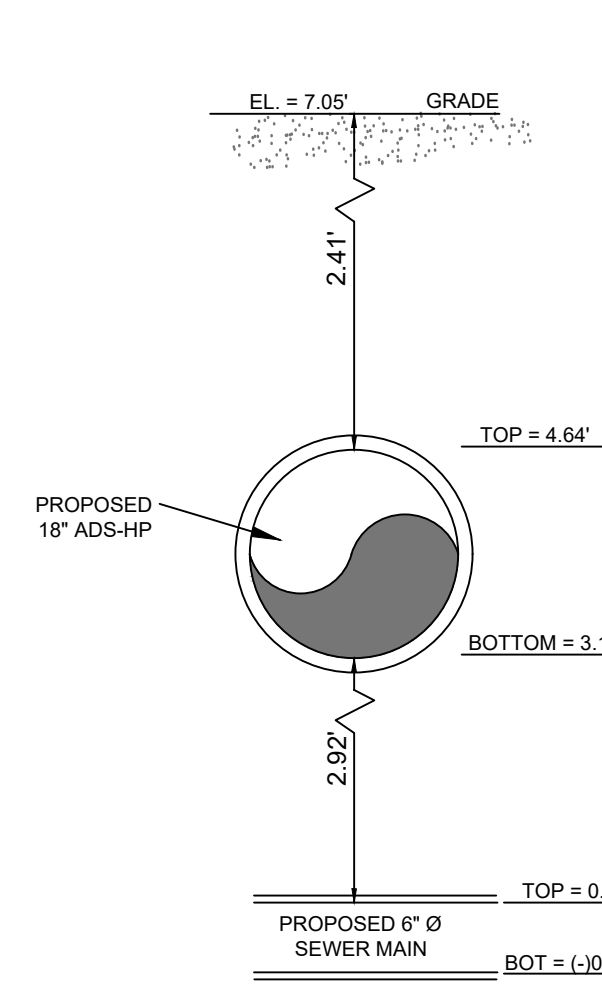
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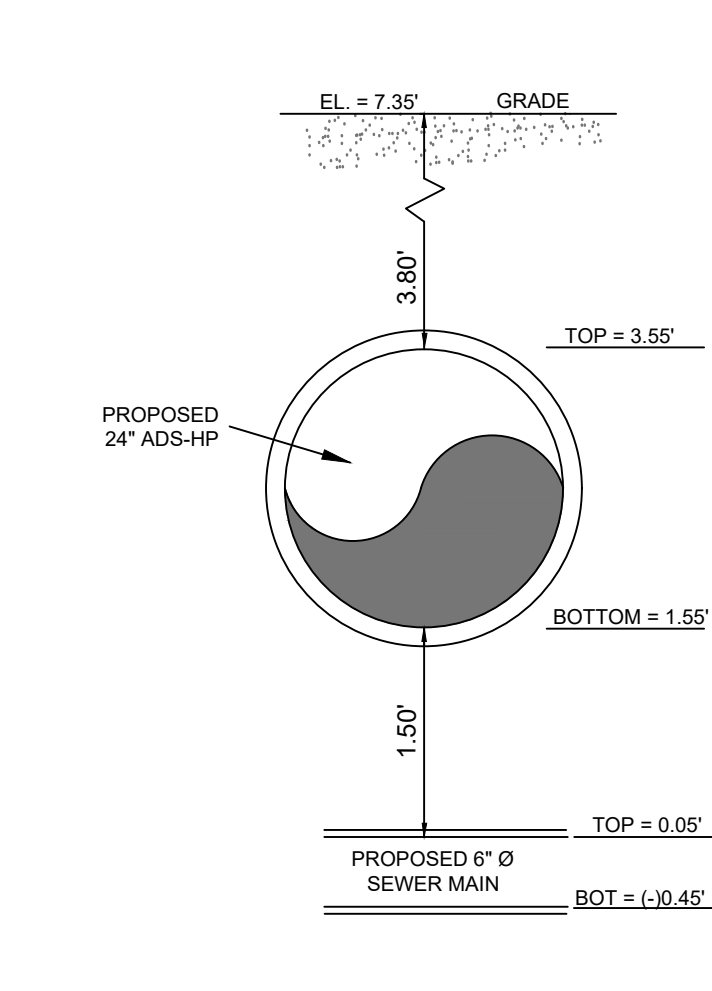
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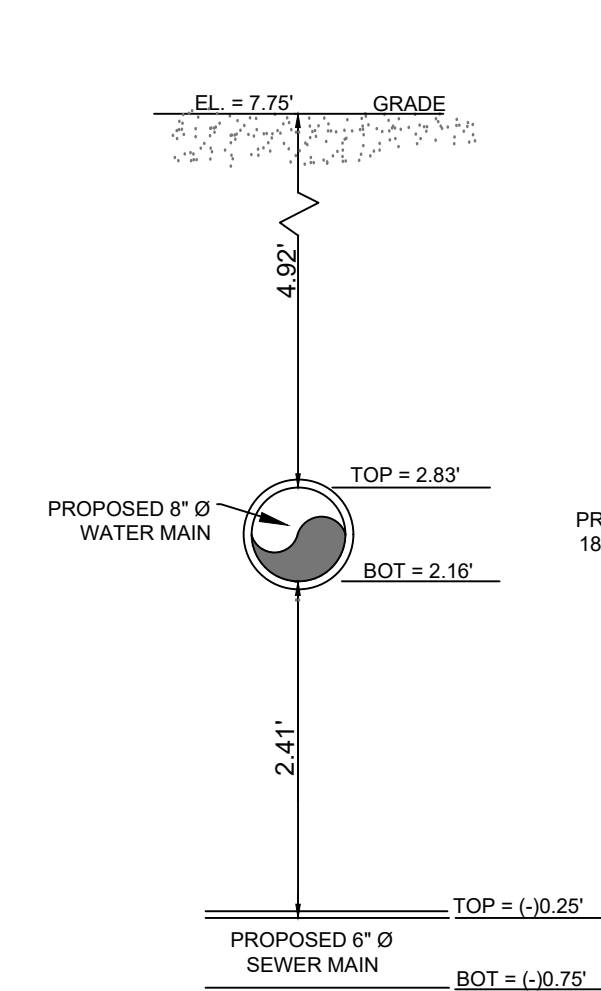
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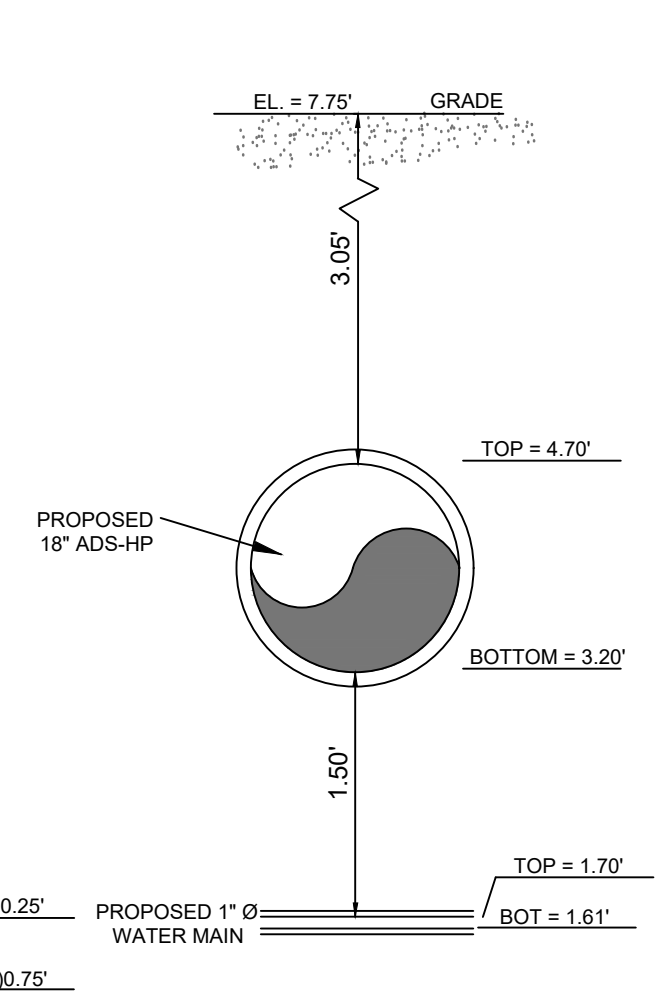
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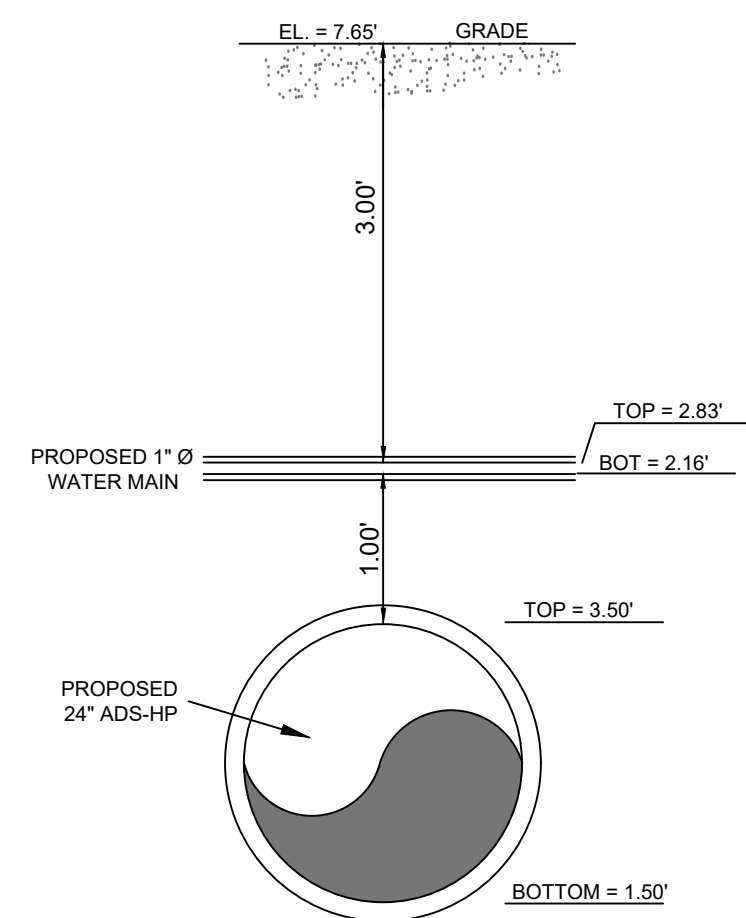
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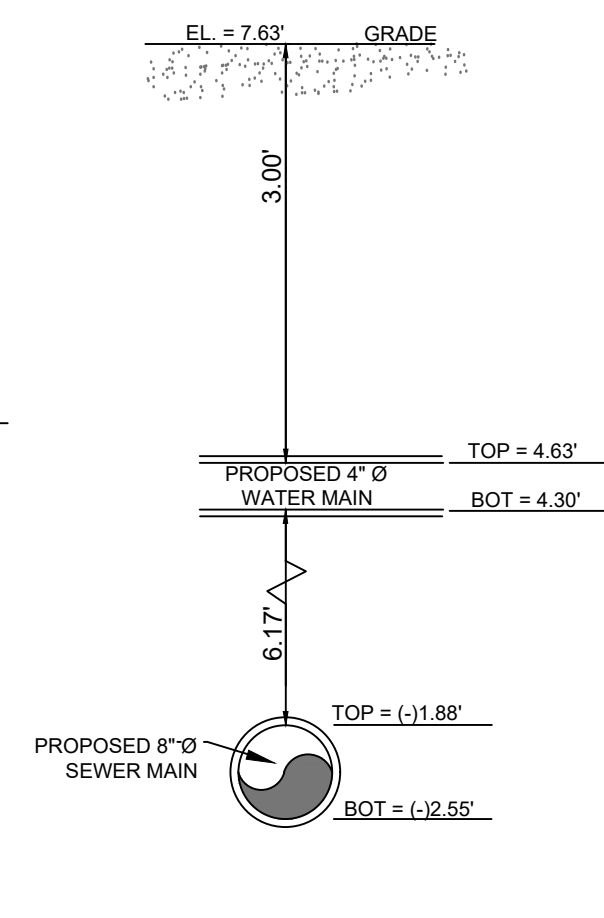
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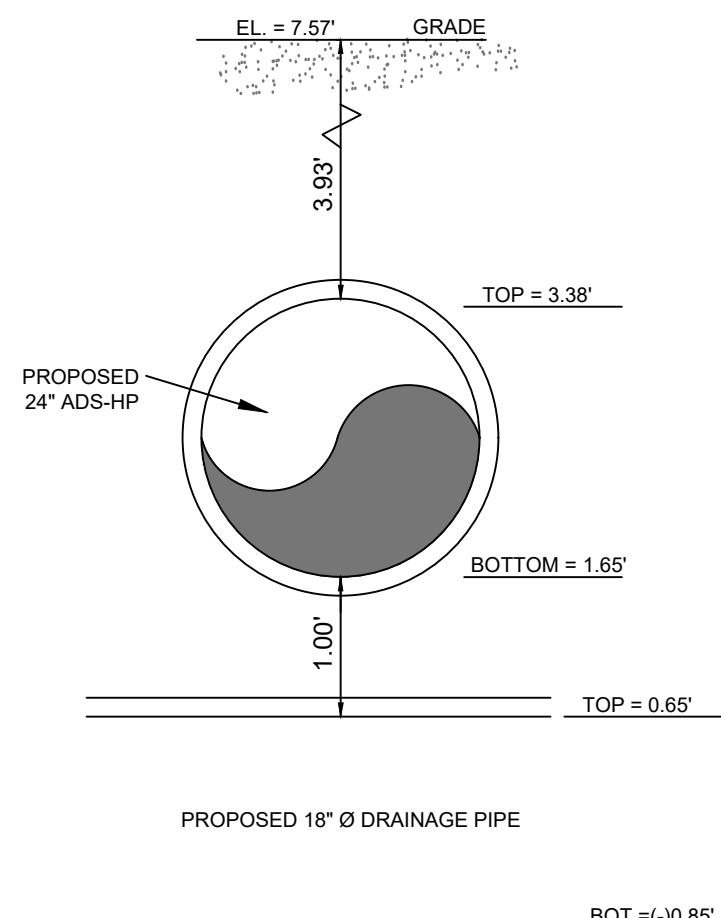
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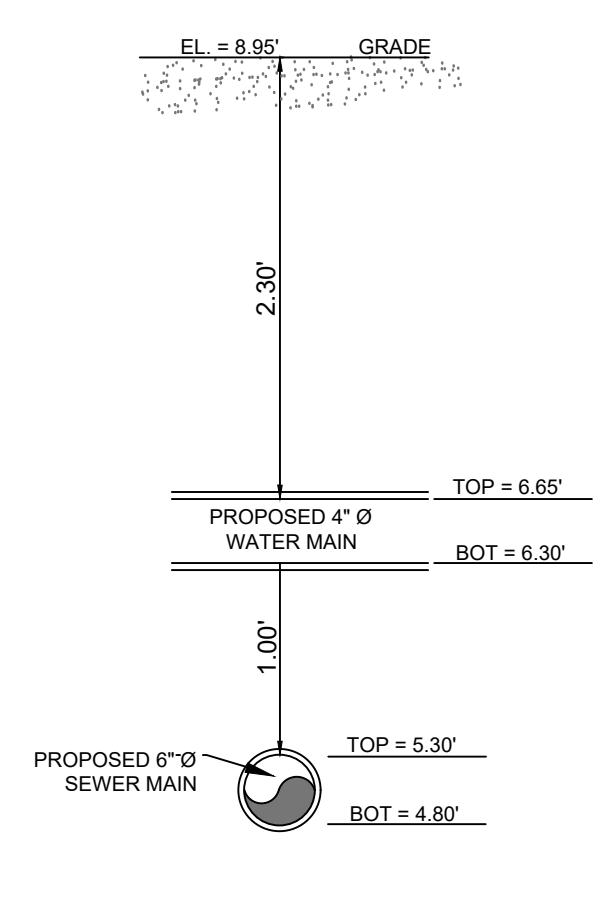
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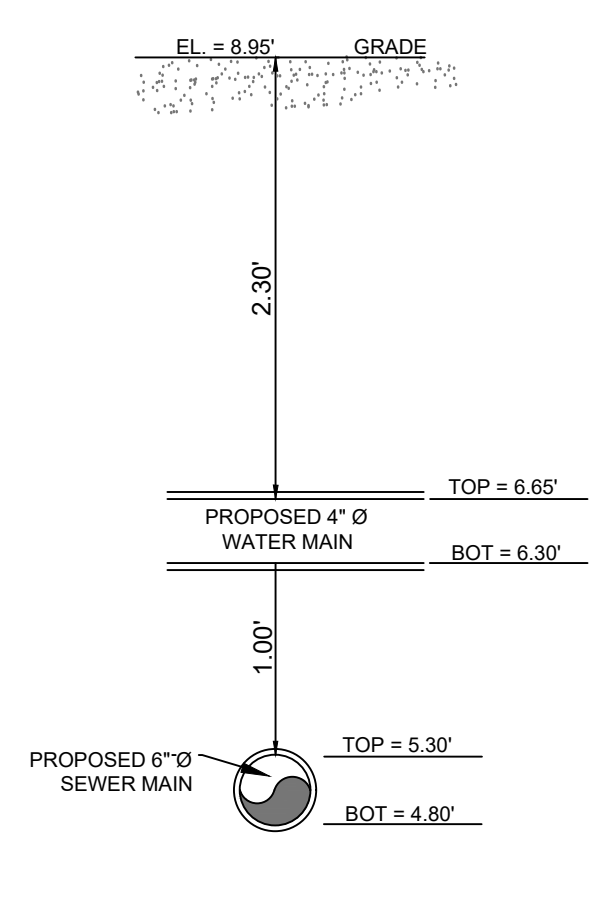
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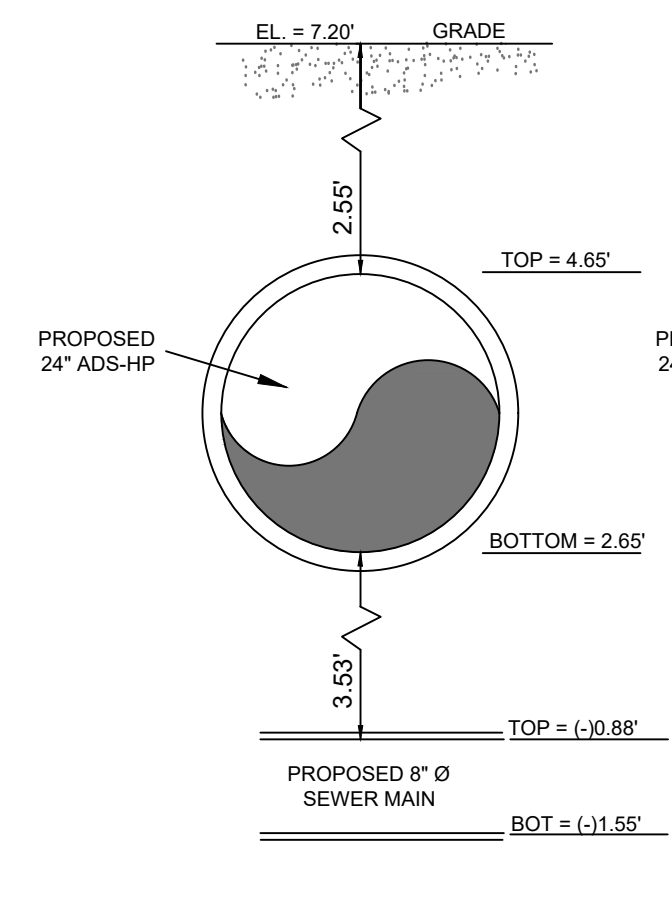
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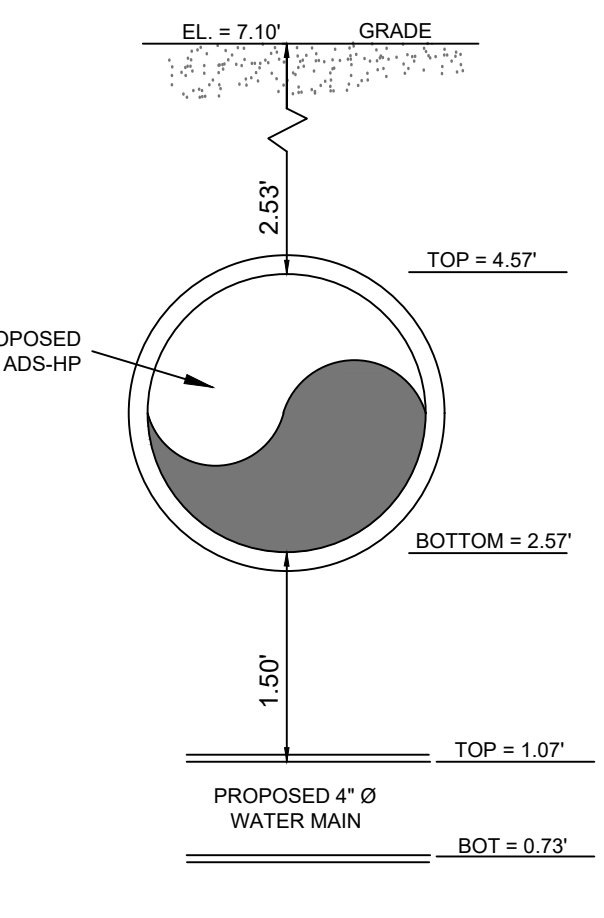
CONFLICT #17



CONFLICT #18



CONFLICT #19



CONFLICT #20

DATE	REVISION	MARK

DESIGNED	IBB	CONST	DRAWN	IBB
CHECKED	NTS	DATE	10/14/21	
SCALE				
FOR WHICH THEY ARE MADE IS EXECUTED				
PROJECTS IS PERMITTED ONLY BY				
WRITTEN CONTRACT WITH THE ENGINEER				
PURSUANT TO THE COPYRIGHT LAWS.				

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UTILITY
CONFLICTS

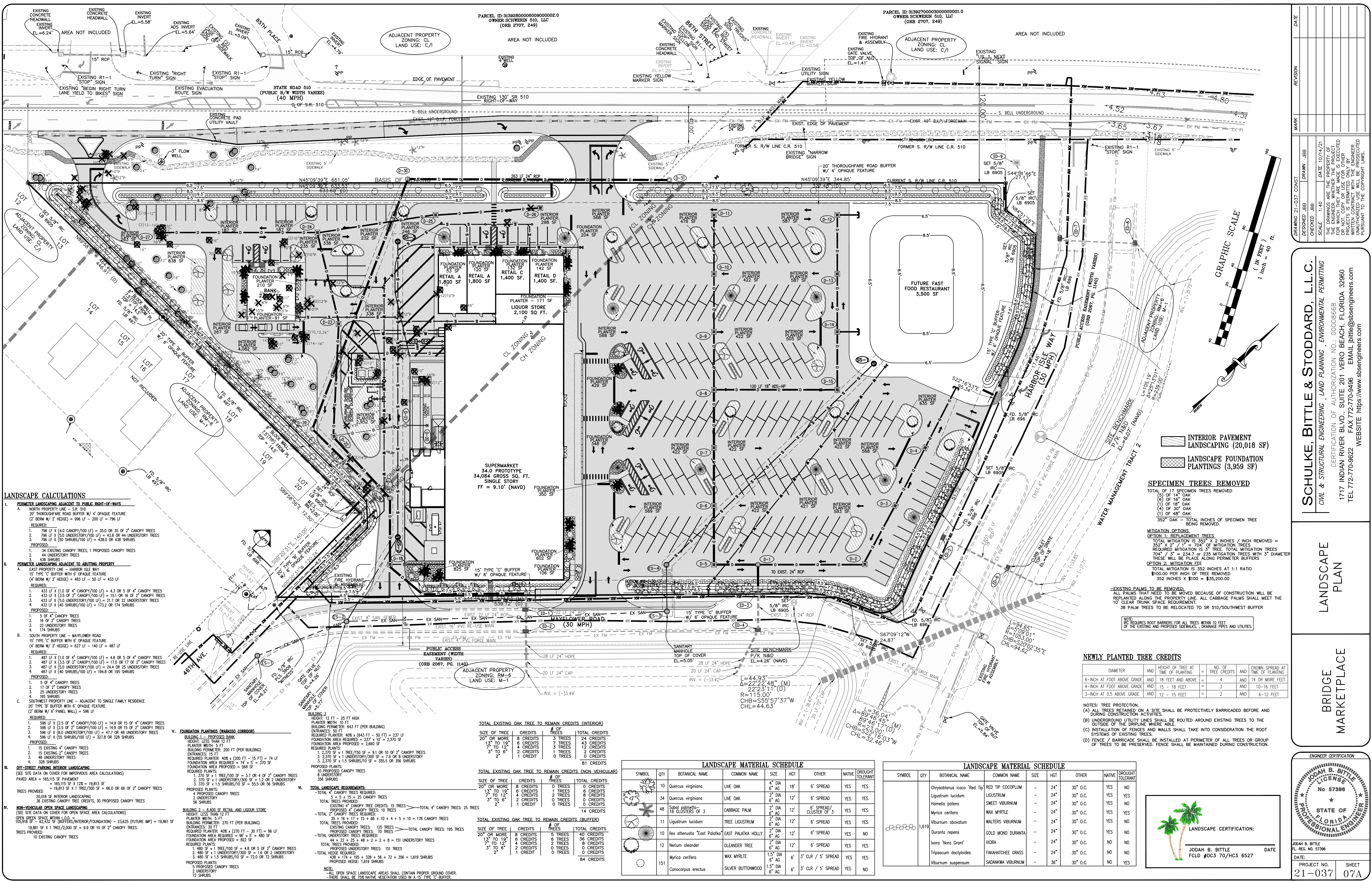
BRIDGE
MARKETPLACE

ENGINEER CERTIFICATION

JOAH B. BITTLE
 FL. REG. NO. 57398

STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER

DATE:
 PROJECT NO. 21-037
 SHEET 06C



LANDSCAPE CALCULATIONS

I. PERIMETER LANDSCAPING ADJACENT TO PUBLIC RIGHT-OF-WAYS

A. NORTH PROPERTY LINE - HARBOR ISLE WAY
 20' THOROUGHFARE ROAD BUFFER W/ 4' OPAQUE FEATURE (2' BERM W/ 2' HEDGE) = 996 LF - 200 LF = 796 LF
 REQUIRED:
 1. 796 LF X (4.0 CANOPY/100 LF) = 35.0 OR 35 OF 2" CANOPY TREES
 2. 796 LF X (5.0 UNDERSTORY/100 LF) = 43.8 OR 44 UNDERSTORY TREES
 3. 796 LF X (50 SHRUBS/100 LF) = 438.0 OR 438 SHRUBS

B. EAST PROPERTY LINE - MAYFLOWER ROAD
 15' TYPE 'C' BUFFER WITH 6' OPAQUE FEATURE (4' BERM W/ 2' HEDGE) = 483 LF - 50 LF = 433 LF
 REQUIRED:
 1. 433 LF X (1.0 OF 4" CANOPY/100 LF) = 4.3 OR 5 OF 4" CANOPY TREES
 2. 433 LF X (3.5 OF 2" CANOPY/100 LF) = 15.1 OR 16 OF 2" CANOPY TREES
 3. 433 LF X (5.0 UNDERSTORY/100 LF) = 21.7 OR 22 UNDERSTORY TREES
 4. 433 LF X (40 SHRUBS/100 LF) = 173.2 OR 174 SHRUBS

C. SOUTH PROPERTY LINE - MAYFLOWER ROAD
 15' TYPE 'C' BUFFER WITH 6' OPAQUE FEATURE (4' BERM W/ 2' HEDGE) = 627 LF - 140 LF = 487 LF
 REQUIRED:
 1. 487 LF X (1.0 OF 4" CANOPY/100 LF) = 4.9 OR 5 OF 4" CANOPY TREES
 2. 487 LF X (3.5 OF 2" CANOPY/100 LF) = 17.0 OR 17 OF 2" CANOPY TREES
 3. 487 LF X (5.0 UNDERSTORY/100 LF) = 24.4 OR 25 UNDERSTORY TREES
 4. 487 LF X (40 SHRUBS/100 LF) = 194.8 OR 195 SHRUBS

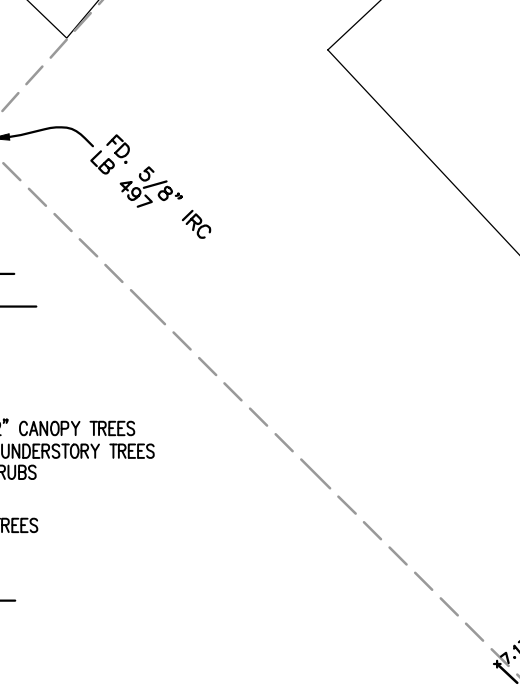
D. WEST PROPERTY LINE - ADJACENT TO SINGLE FAMILY RESIDENCE
 20' TYPE 'B' BUFFER WITH 6' OPAQUE FEATURE (2' BERM W/ 6" PANEL WALL) = 596 LF
 REQUIRED:
 1. 596 LF X (2.5 OF 4" CANOPY/100 LF) = 14.9 OR 15 OF 4" CANOPY TREES
 2. 596 LF X (2.5 OF 2" CANOPY/100 LF) = 14.9 OR 15 OF 2" CANOPY TREES
 3. 596 LF X (8.0 UNDERSTORY/100 LF) = 47.7 OR 48 UNDERSTORY TREES
 4. 596 LF X (50 SHRUBS/100 LF) = 327.8 OR 328 SHRUBS

E. SOUTHWEST PROPERTY LINE - ADJACENT TO SINGLE FAMILY RESIDENCE
 20' TYPE 'B' BUFFER WITH 6' OPAQUE FEATURE (2' BERM W/ 6" PANEL WALL) = 596 LF
 REQUIRED:
 1. 596 LF X (2.5 OF 4" CANOPY/100 LF) = 14.9 OR 15 OF 4" CANOPY TREES
 2. 596 LF X (2.5 OF 2" CANOPY/100 LF) = 14.9 OR 15 OF 2" CANOPY TREES
 3. 596 LF X (8.0 UNDERSTORY/100 LF) = 47.7 OR 48 UNDERSTORY TREES
 4. 596 LF X (50 SHRUBS/100 LF) = 327.8 OR 328 SHRUBS

VI. FOUNDATION PLANTINGS (WABASSO CORRIDOR)
 BUILDING 1 - PROPOSED BANK
 HEIGHT: LESS THAN 12 FT
 PLANTER WIDTH: 5 FT
 BUILDING PERIMETER: 200 FT (PER BUILDING)
 REQUIRED PLANTS:
 1. 15 EXISTING 4" CANOPY TREES
 2. 15 EXISTING 2" CANOPY TREES
 3. 44 UNDERSTORY TREES
 4. 174 SHRUBS

III. OFF-STREET PARKING INTERIOR LANDSCAPING
 (SEE SITE DATA ON COVER FOR INTERIOR AREA CALCULATIONS)
 PAVES AREA = 165,115 SF PAVEMENT
 20,018 SF INTERIOR LANDSCAPING = 66.0 OR 66 OF 2" CANOPY TREES
 TREES PROVIDED:
 20,018 SF INTERIOR LANDSCAPING = 66.0 OR 66 OF 2" CANOPY TREES

IV. NON-VEHICULAR OPEN SPACE LANDSCAPING
 (SEE SITE DATA ON COVER FOR OPEN SPACE AREA CALCULATIONS)
 OPEN GREEN SPACE WITHIN LOT 1, 105,918 SF = 62,432 SF (BUFFERS/INTERIOR) - 23,825 (FUTURE IMP) = 38,607 SF
 10 EXISTING CANOPY TREES



INTERIOR PAVEMENT LANDSCAPING (20,018 SF)

LANDSCAPE FOUNDATION PLANTINGS (3,959 SF)

SPECIMEN TREES REMOVED

TOTAL OF 17 SPECIMEN TREES REMOVED

(5) OF 14" OAK
 (6) OF 16" OAK
 (1) OF 18" OAK
 (3) OF 30" OAK
 (1) OF 48" OAK

352" OAK - TOTAL INCHES OF SPECIMEN TREE BEING REMOVED.

MITIGATION OPTIONS

OPTION 1: REPLACEMENT TREES
 TOTAL MITIGATION IS 352" X 2 INCHES / INCH REMOVED = 704" OF 14" OAK
 704" OF 14" OAK = 234.7 OR 235 MITIGATION TREES WITH 3" DIAMETER
 THESE WILL BE PLACED ALONG PERIMETER BUFFERS

OPTION 2: MITIGATION FEE
 TOTAL MITIGATION IS 352 INCHES AT 1:1 RATIO
 \$100.00 PER INCH OF TREE REMOVED
 352 INCHES X \$100 = \$35,200.00

EXISTING PALMS TO BE REMOVED:
 ALL PALMS THAT NEED TO BE MOVED BECAUSE OF CONSTRUCTION WILL BE REPLANTED ALONG THE PROPERTY LINE. ALL CABAGE PALMS SHALL MEET THE 10" CLEAR TRUNK SPACE REQUIREMENT.
 38 PALM TREES TO BE RELOCATED TO SR 510/SOUTHWEST BUFFER

NEWLY PLANTED TREE CREDITS

DIAMETER	AND	HEIGHT OF TREE AT TIME OF PLANTING	=	NO. OF TREE CREDITS	AND	CROWN SPREAD AT TIME OF PLANTING
6-INCH AT FOOT ABOVE GRADE	AND	18 FEET AND ABOVE	=	4	AND	14 OR MORE FEET
4-INCH AT FOOT ABOVE GRADE	AND	15 - 18 FEET	=	3	AND	10-16 FEET
3-INCH AT 0.5 ABOVE GRADE	AND	12 - 15 FEET	=	2	AND	6-12 FEET

NOTES: TREE PROTECTION.
 (A) ALL TREES RETAINED ON A SITE SHALL BE PROTECTIVELY BARRICADED BEFORE AND DURING CONSTRUCTION ACTIVITIES.
 (B) UNDERGROUND UTILITY LINES SHALL BE ROUTED AROUND EXISTING TREES TO THE OUTSIDE OF THE DRUMLINE WHERE APPLICABLE.
 (C) INSTALLATION OF FENCES AND WALLS SHALL TAKE INTO CONSIDERATION THE ROOT SYSTEMS OF EXISTING TREES.
 (D) FENCE / BARRICADE SHALL BE INSTALLED AT PERIMETER OF ALL TREES OR GROUP OF TREES TO BE PRESERVED. FENCE SHALL BE MAINTAINED DURING CONSTRUCTION.

LANDSCAPE MATERIAL SCHEDULE

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HGT	OTHER	NATIVE	DROUGHT TOLERANT
10		Quercus virginiana	LIVE OAK	4" DIA	18"	6' SPREAD	YES	YES
34		Quercus virginiana	LIVE OAK	6" DIA	12"	6' SPREAD	YES	YES
4		Sabal palmetto - 16 CLUSTERS OF 3	CABBAGE PALM	2" DIA	6' AG	6' SPREAD/CLUSTER OF 3	YES	YES
11		Ligustrum lucidum	TREE LIGUSTRUM	2" DIA	6" AG	6' SPREAD	YES	YES
10		Ilex attenuata 'East Palatka'	EAST PALATKA HOLLY	2" DIA	6" AG	6' SPREAD	YES	NO
12		Nerium oleander	OLEANDER TREE	2" DIA	6" AG	6' SPREAD	YES	YES
151		Myrica cerifera	WAX MYRTLE	1.5" DIA	6" AG	3' CLR / 5' SPREAD	YES	YES
		Conocarpus erectus	SILVER BUTTWOOD	1.5" DIA	6" AG	3' CLR / 5' SPREAD	YES	NO

LANDSCAPE MATERIAL SCHEDULE

SYMBOL	QTY	BOTANICAL NAME	COMMON NAME	SIZE	HGT	OTHER	NATIVE	DROUGHT TOLERANT
1,619		Chrysobalanus icaco 'Red Tip'	RED TIP COCCULUM	-	24"	30" O.C.	YES	NO
		Ligustrum lucidum	LIGUSTRUM	-	24"	30" O.C.	YES	YES
		Hamelia patens	SWEET MYRTLE	-	24"	30" O.C.	YES	NO
		Myrica cerifera	WAX MYRTLE	-	24"	30" O.C.	YES	YES
		Viburnum cavenatum	WALTERS VIBURNUM	-	24"	30" O.C.	YES	NO
		Duranta repens	GOLD MOUND DURANTA	-	24"	30" O.C.	YES	NO
		Isora 'Nora Grant'	IXORA	-	24"	30" O.C.	NO	NO
		Tripsacum dactyloides	FAXHARTS GRASS	-	24"	30" O.C.	NO	NO
		Viburnum suspensum	SADANAKIA VIBURNUM	-	36"	30" O.C.	NO	YES

LANDSCAPE CERTIFICATION:

JODAH B. BITTLE
 FCLD #DC3 70/HC3 6527

DATE: _____

ENGINEER CERTIFICATION

JODAH B. BITTLE
 FL REG. NO. 57396
 DATE: _____

PROJECT NO. 21-037 SHEET 07A

DATE	REVISION

SCHULKE, BITTLE & STODDARD, L.L.C.
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LANDSCAPE PLAN

BRIDGE MARKETPLACE

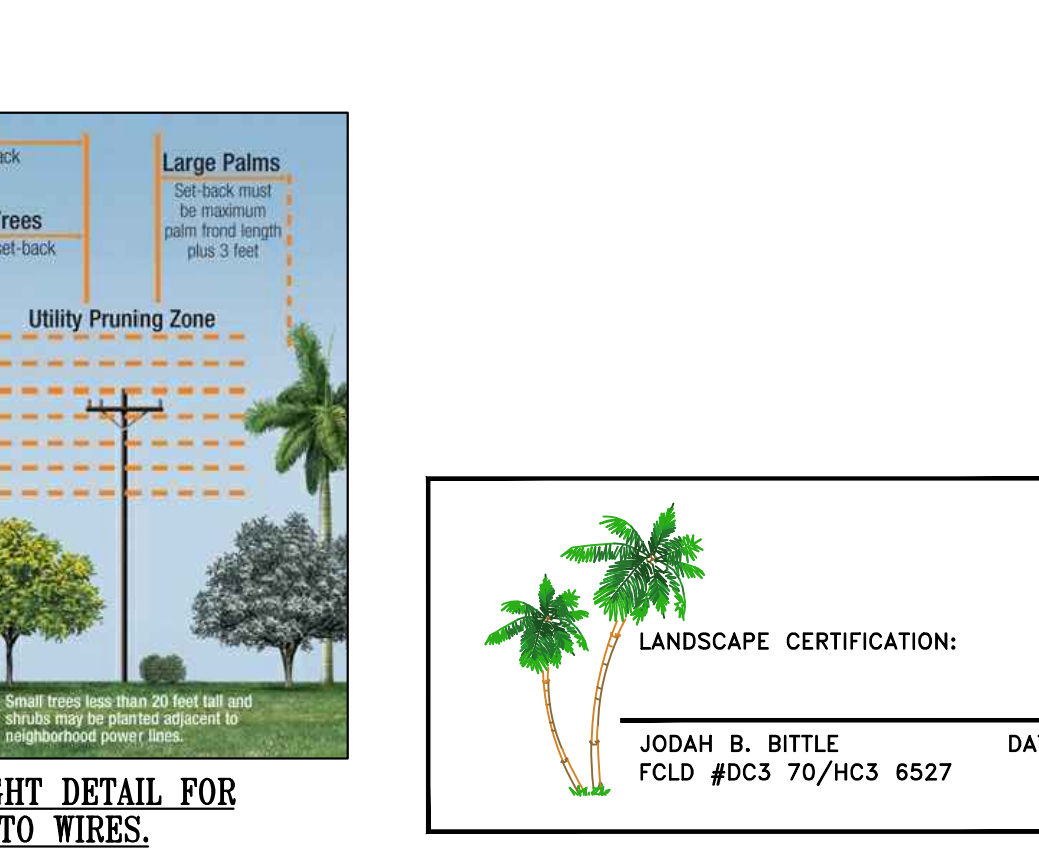
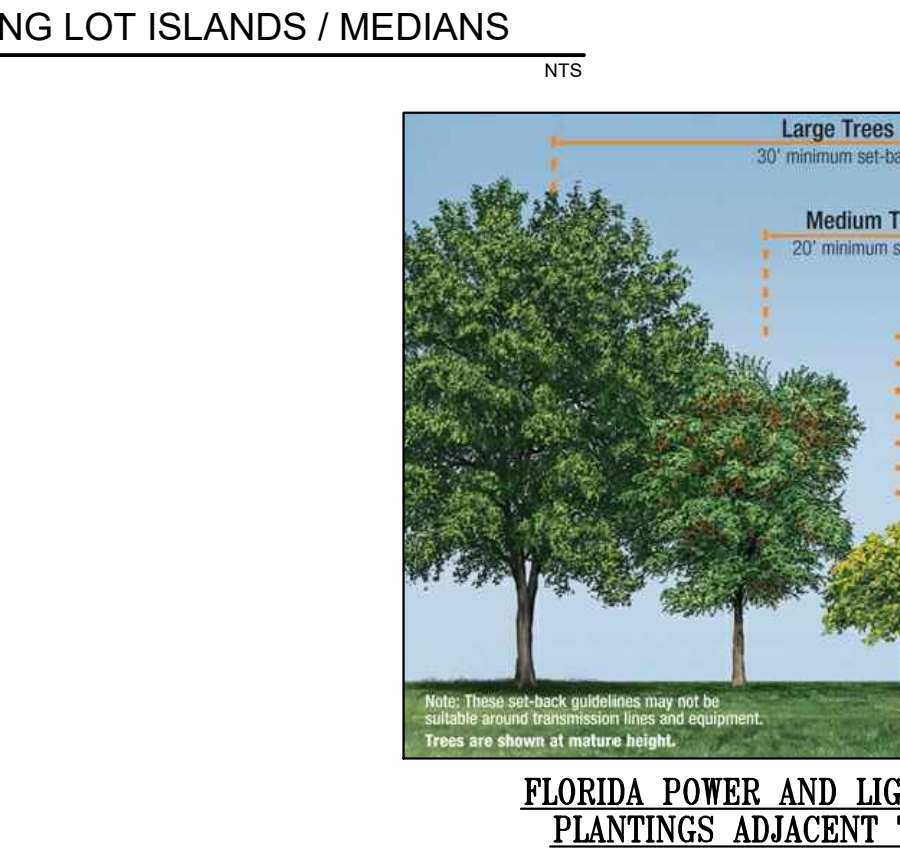
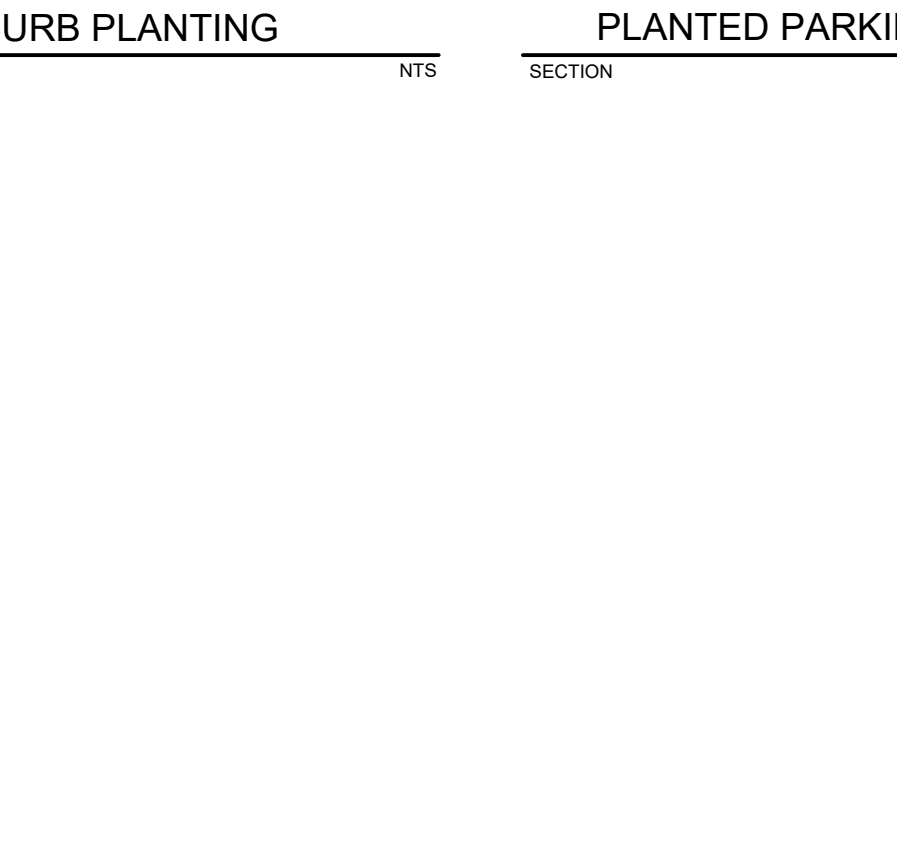
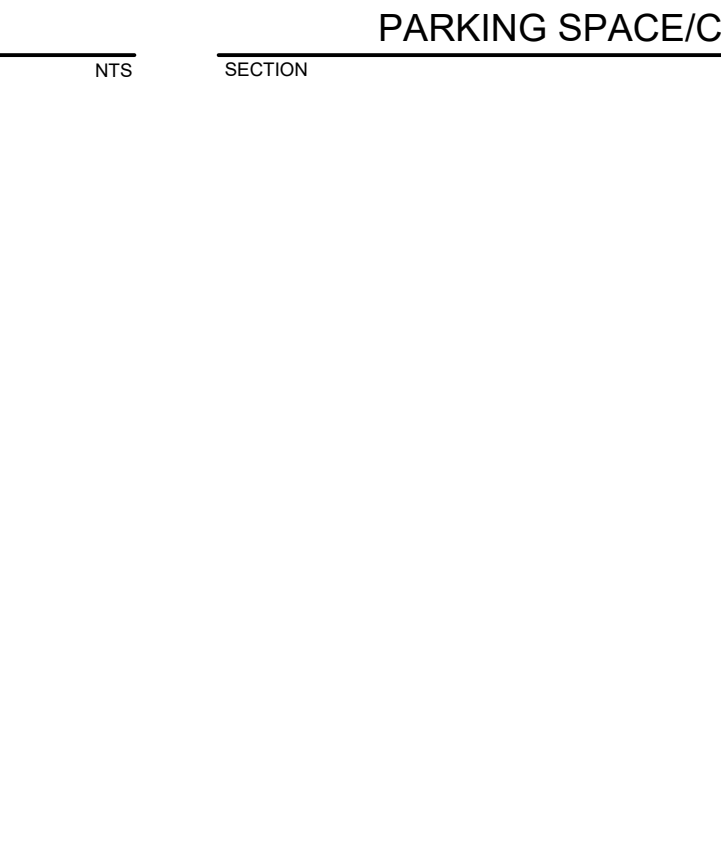
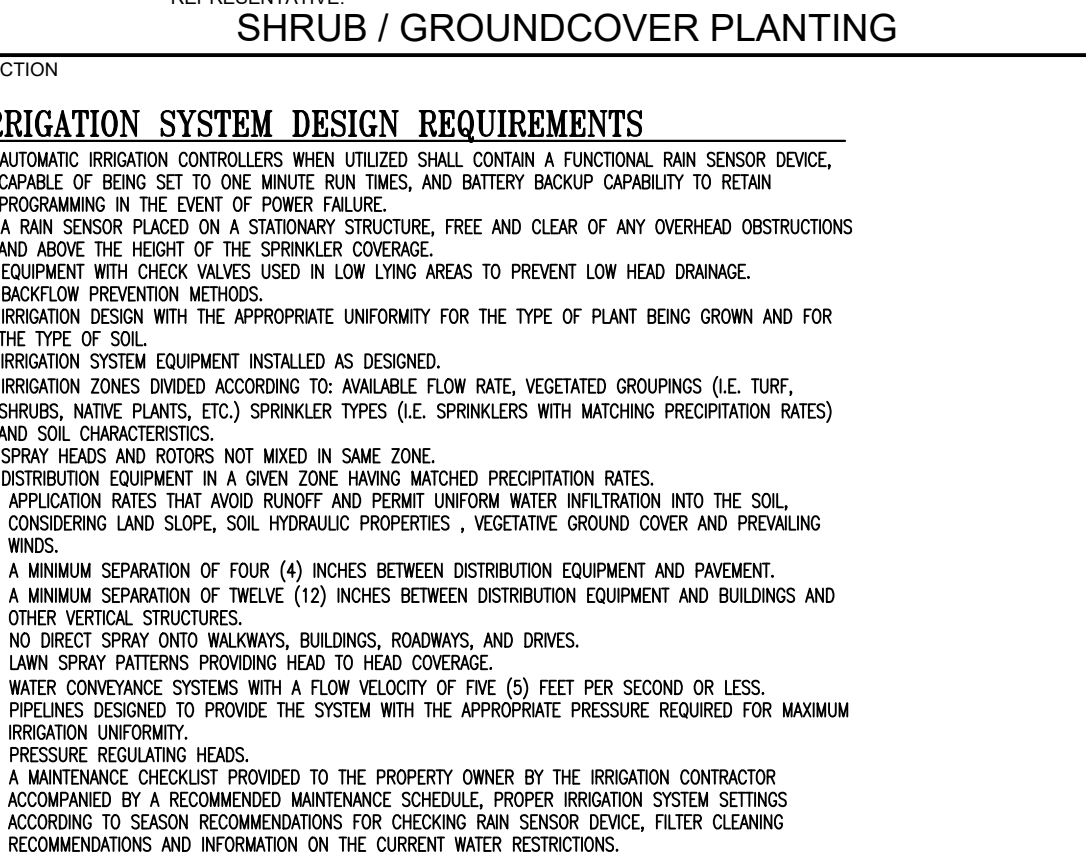
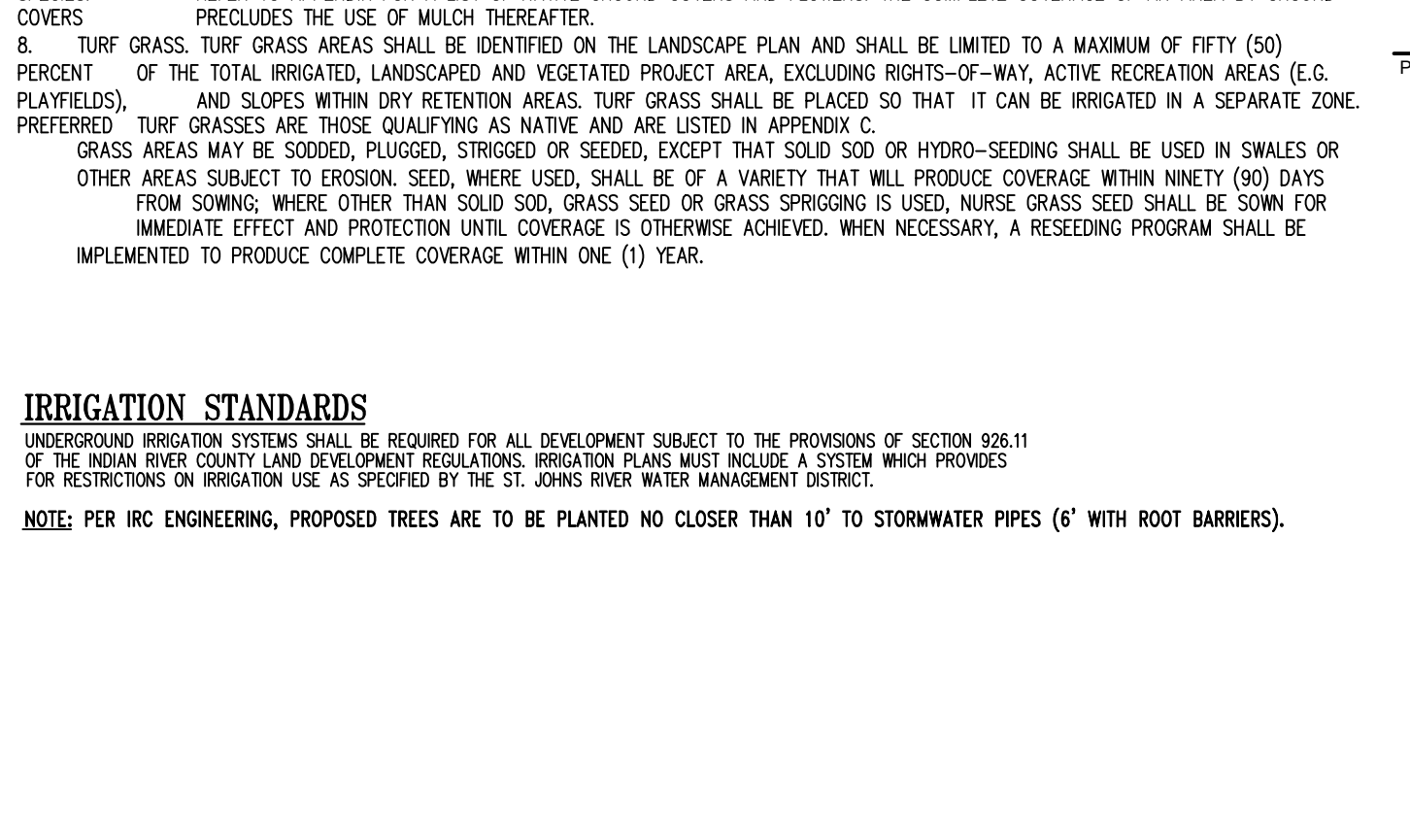
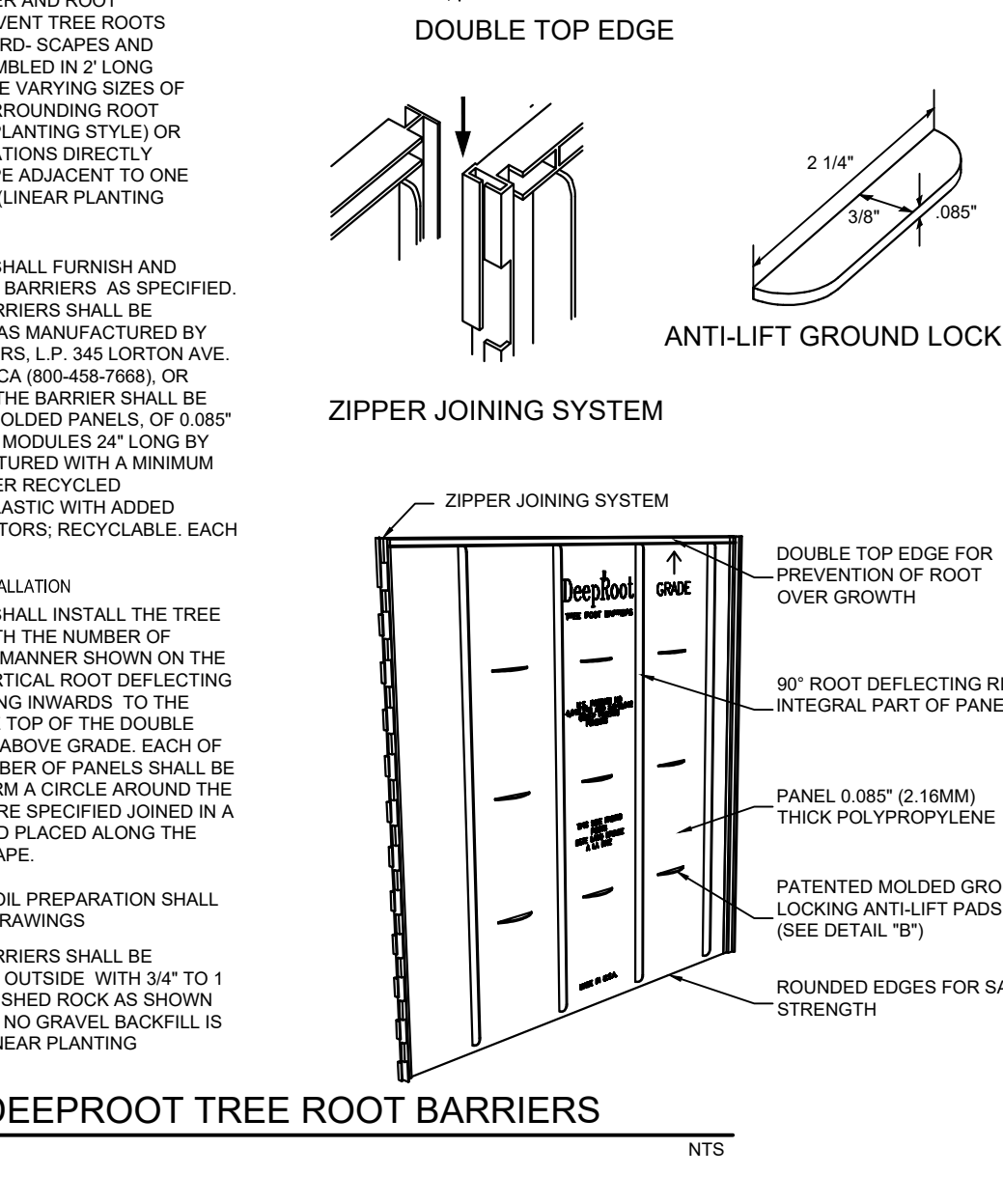
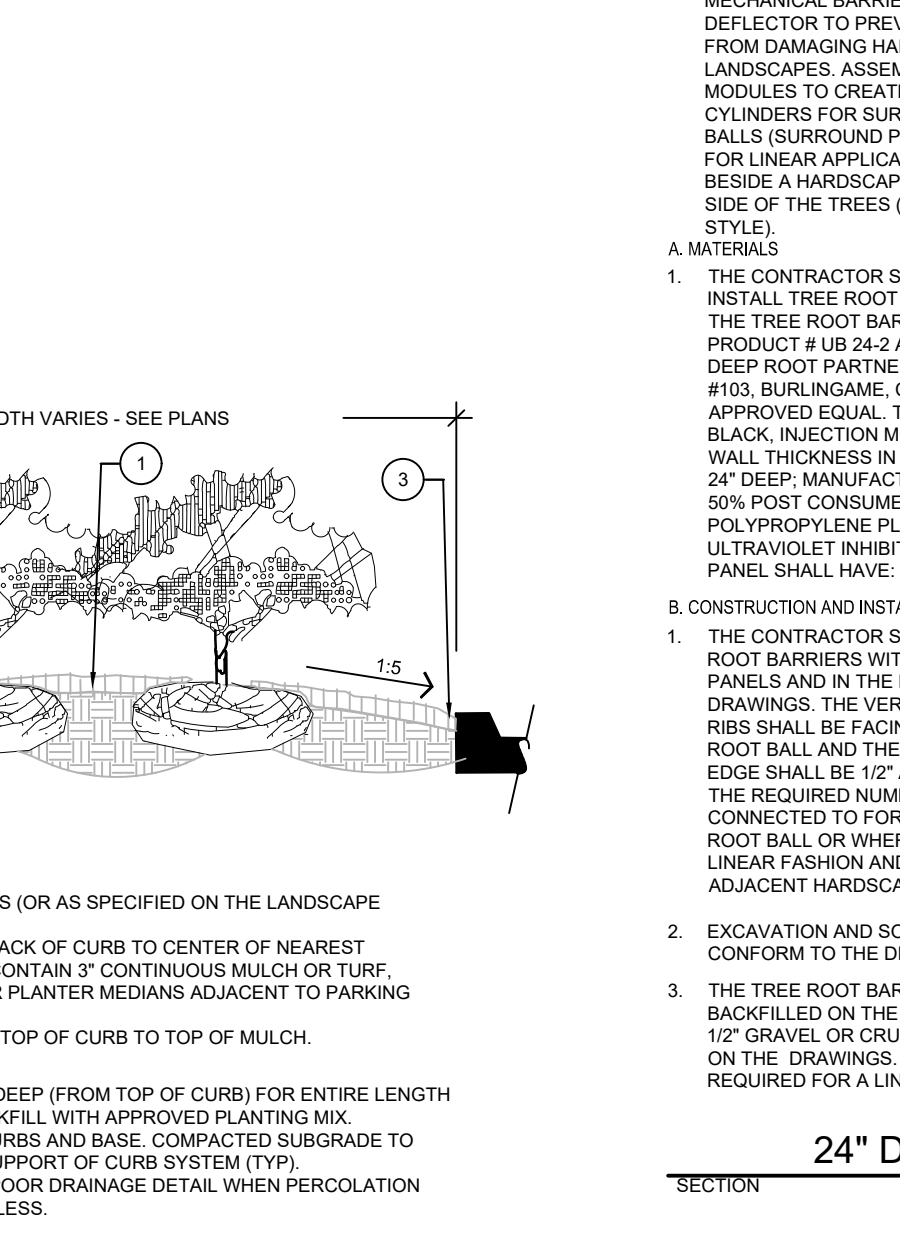
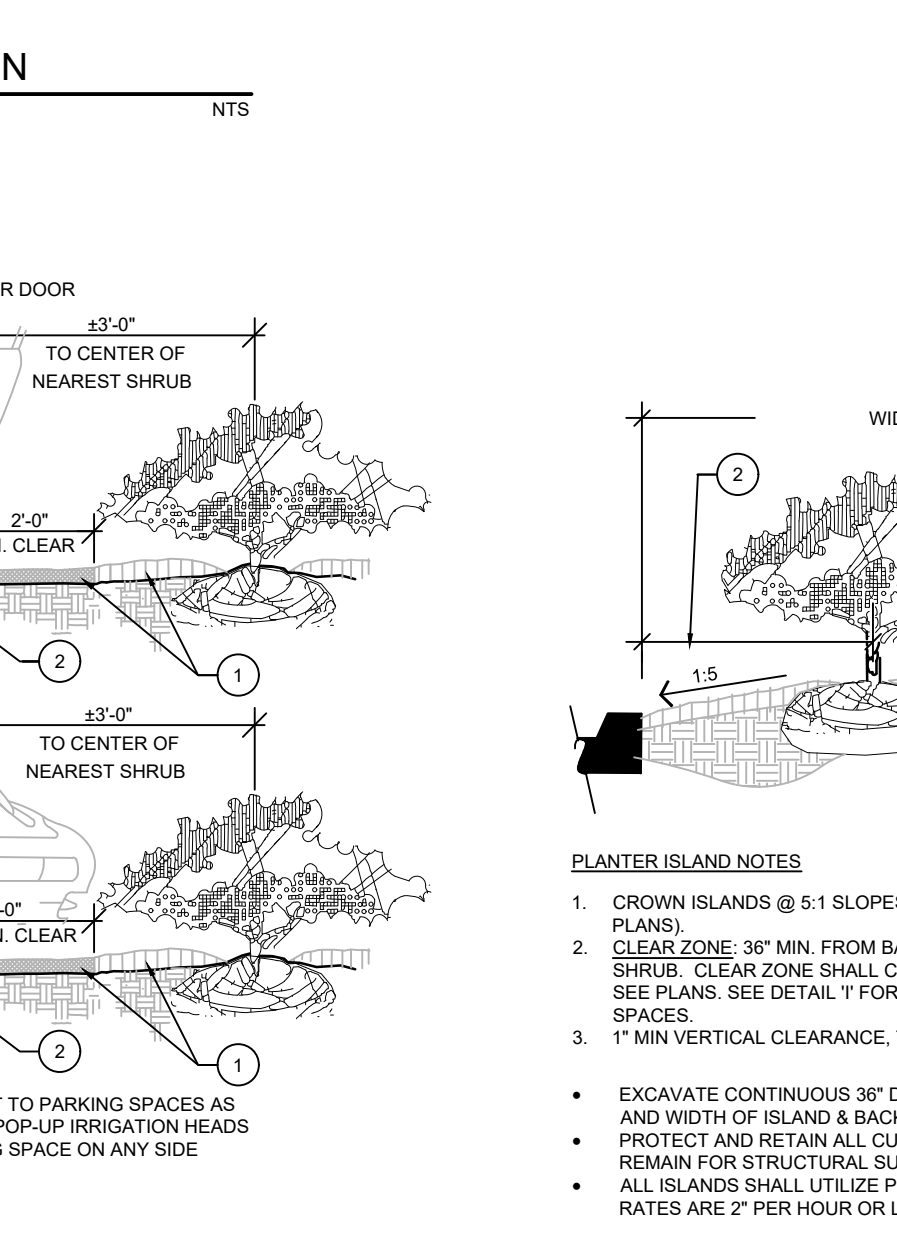
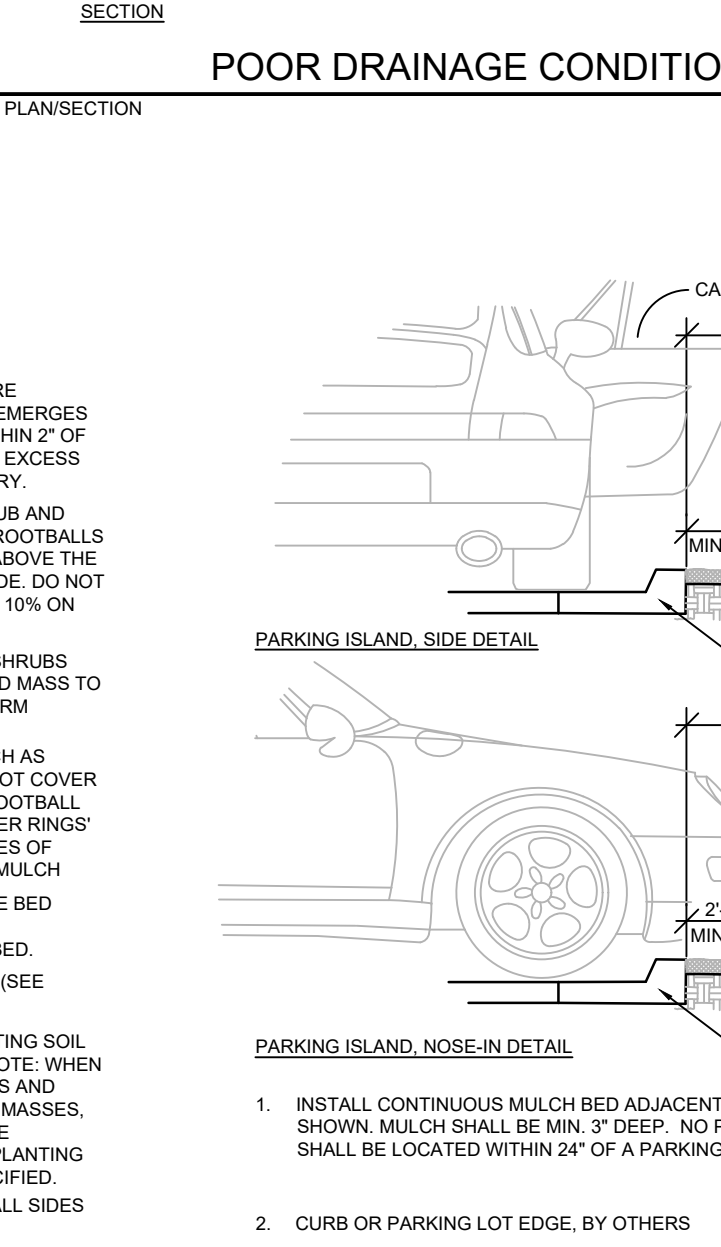
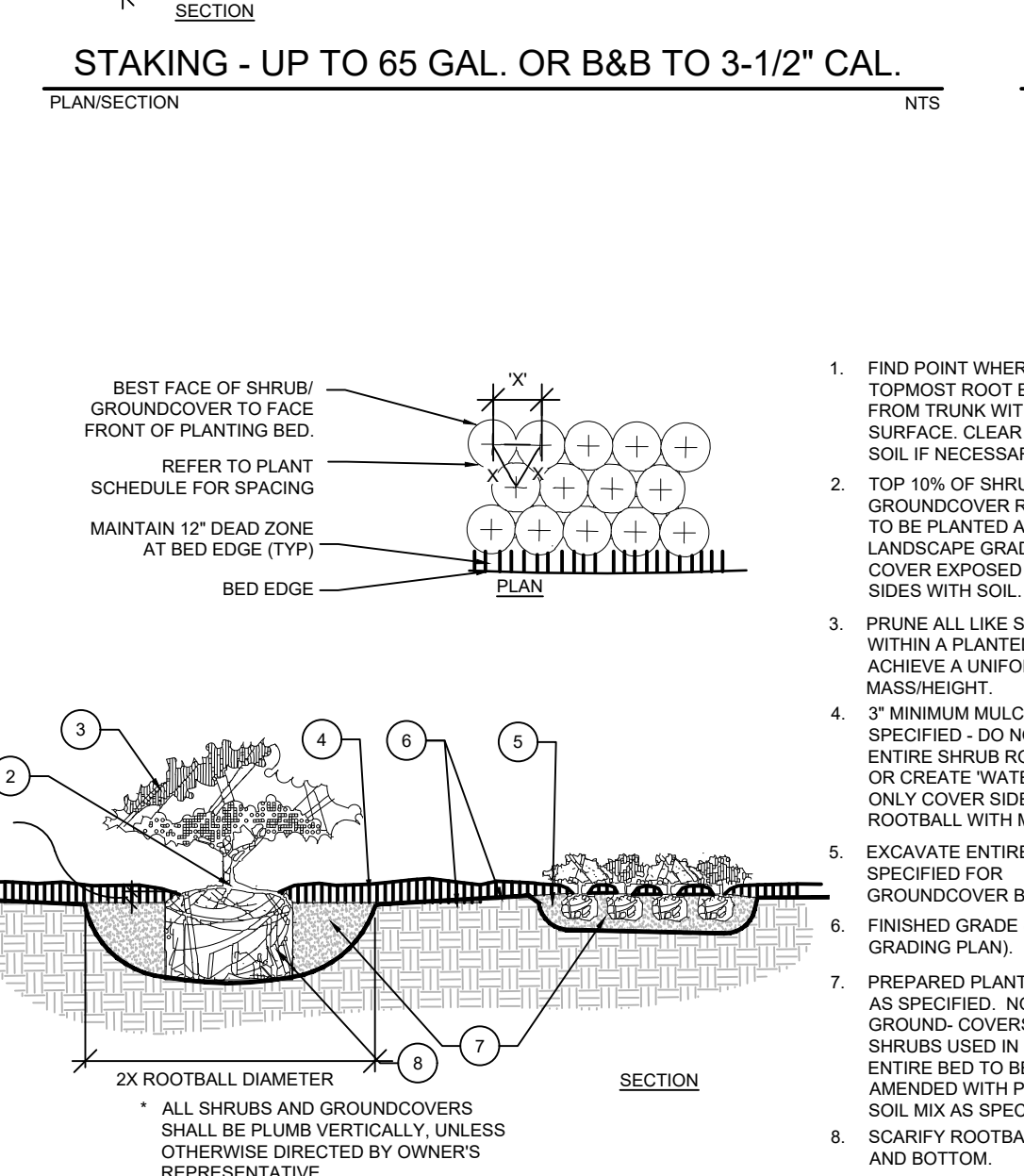
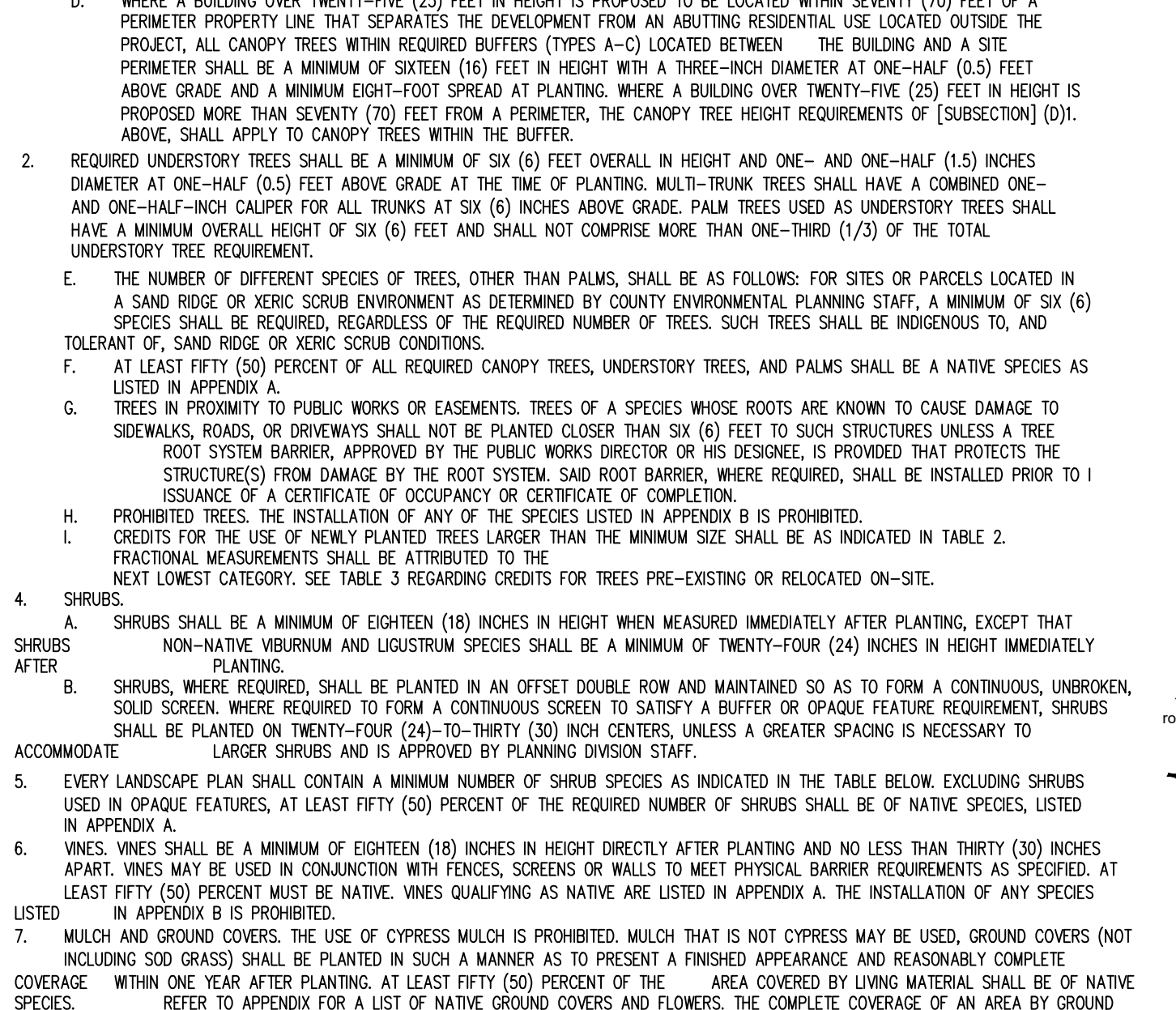
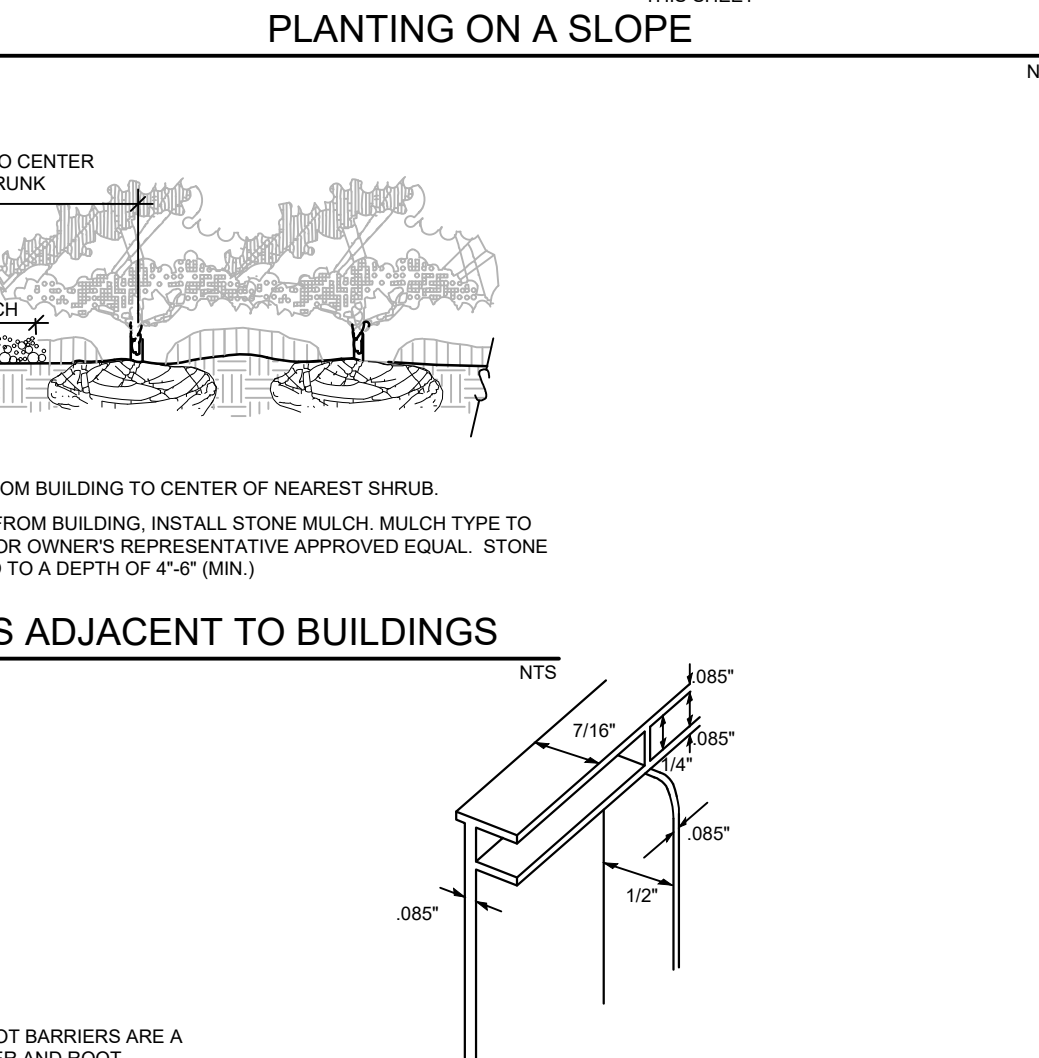
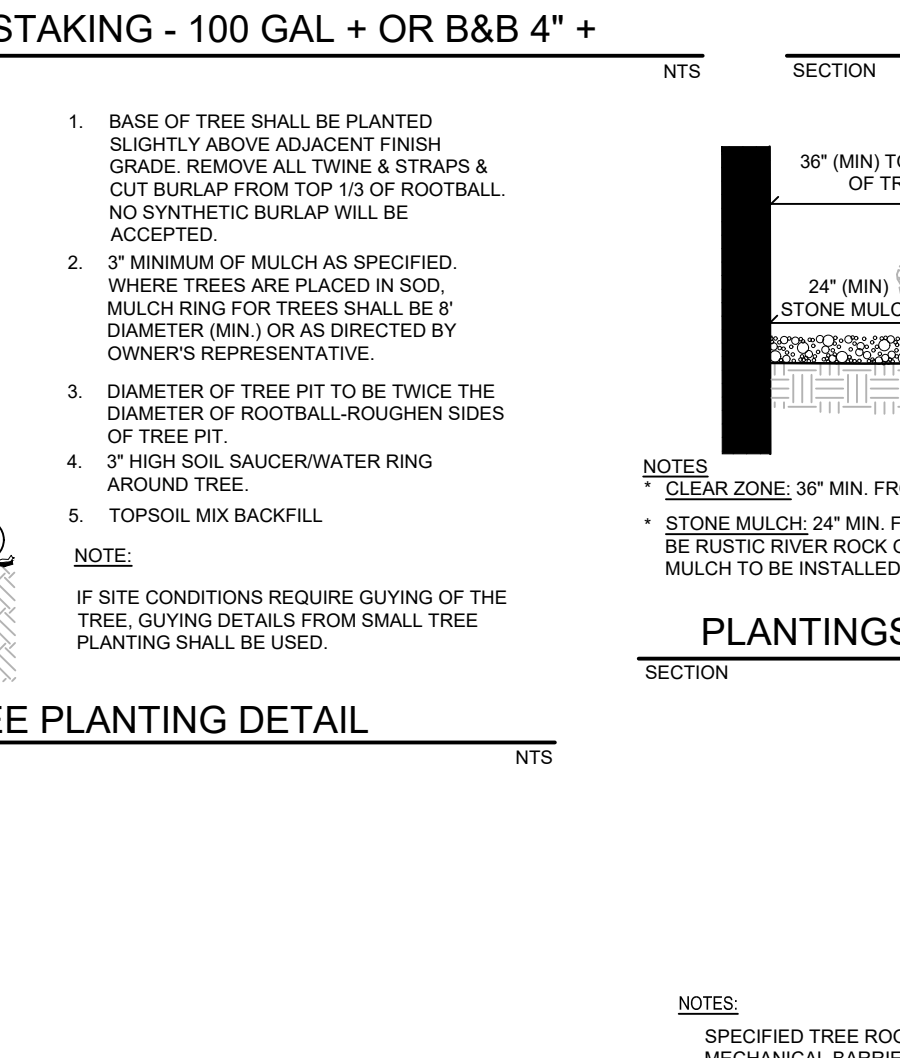
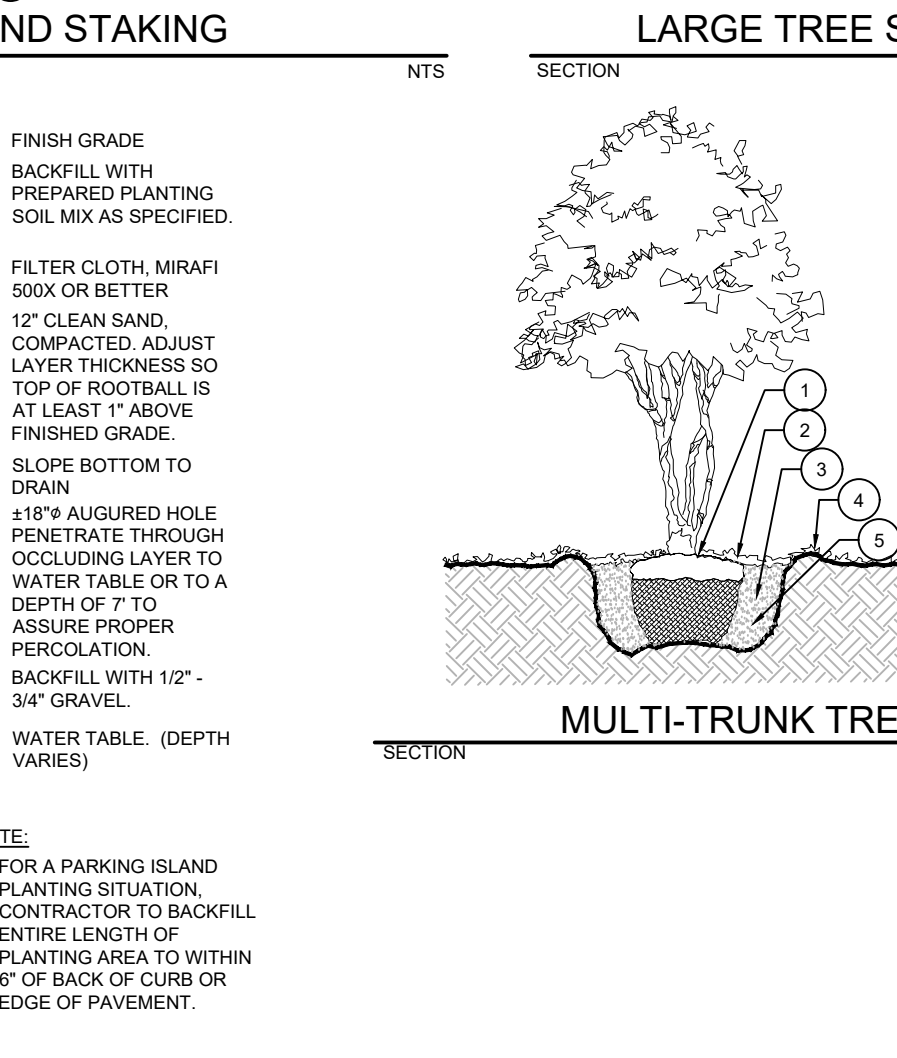
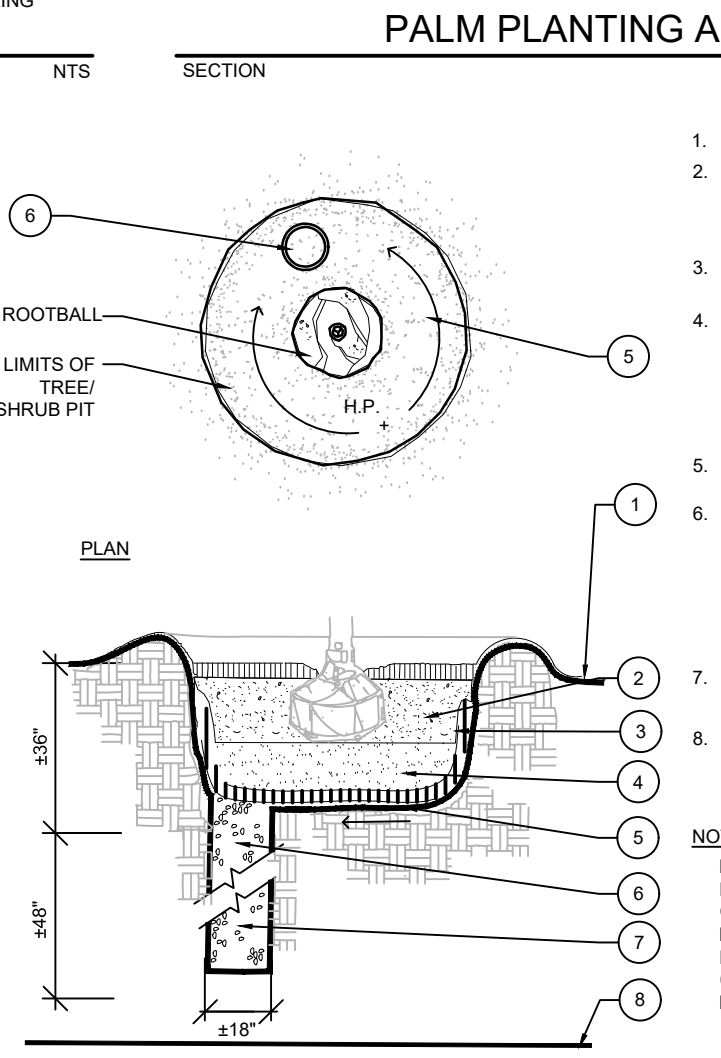
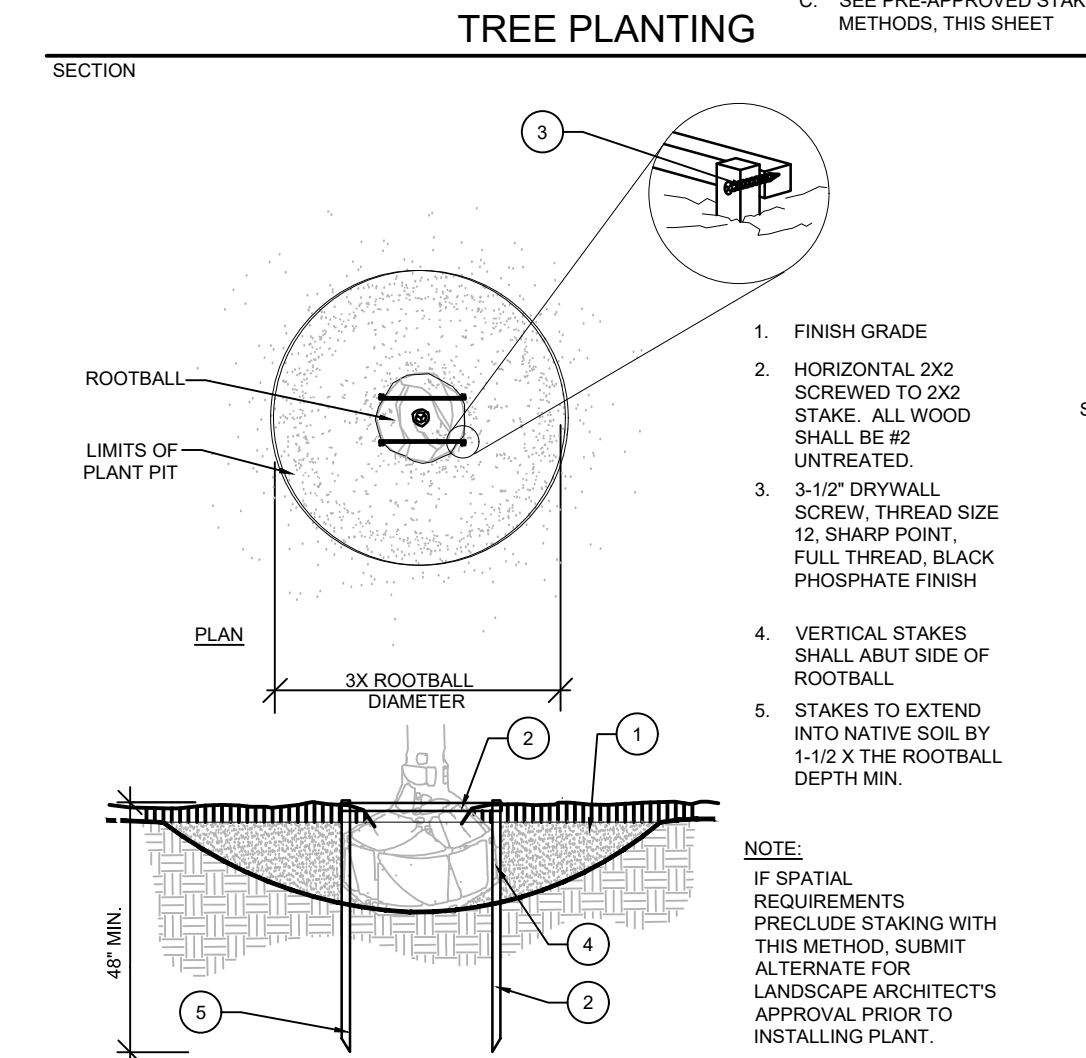
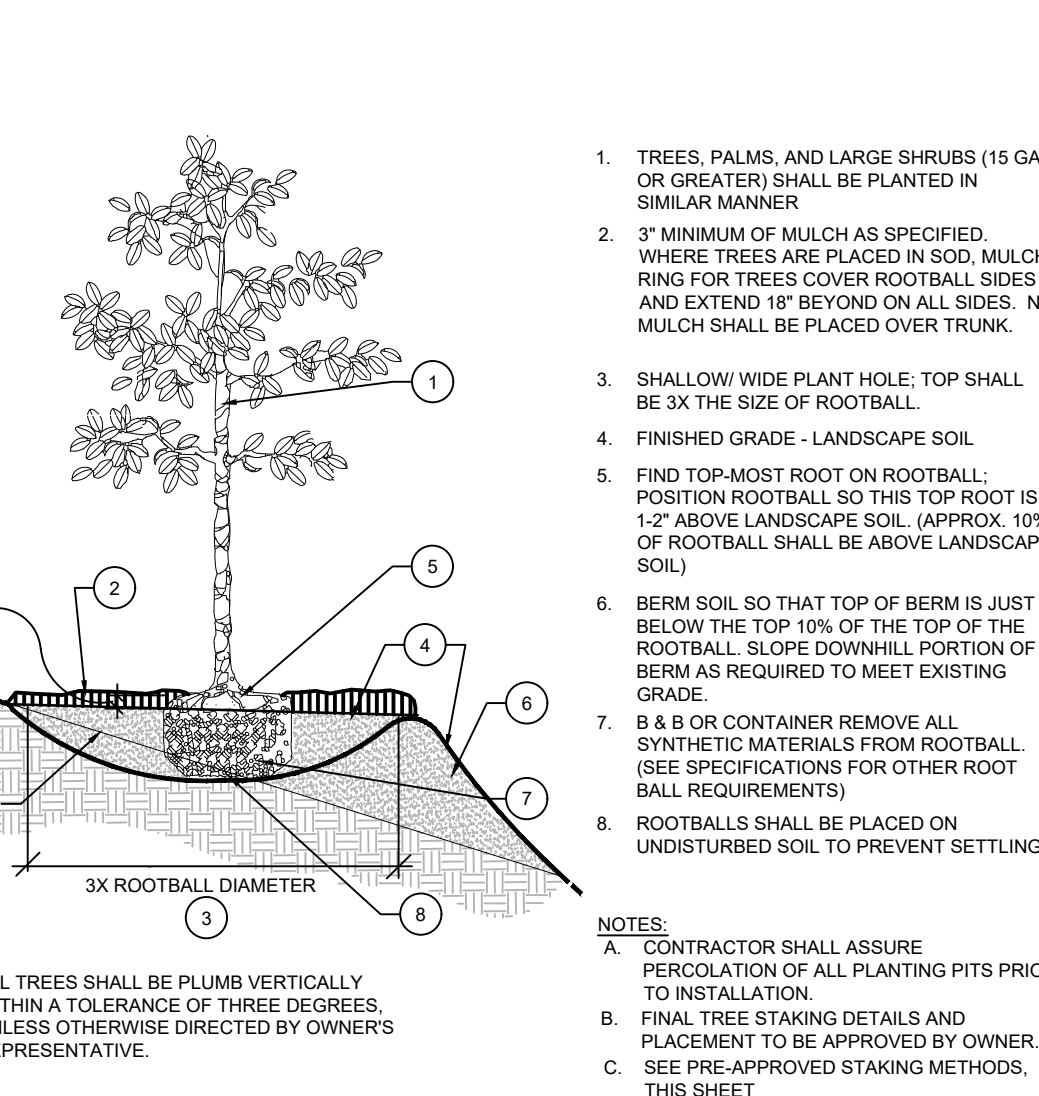
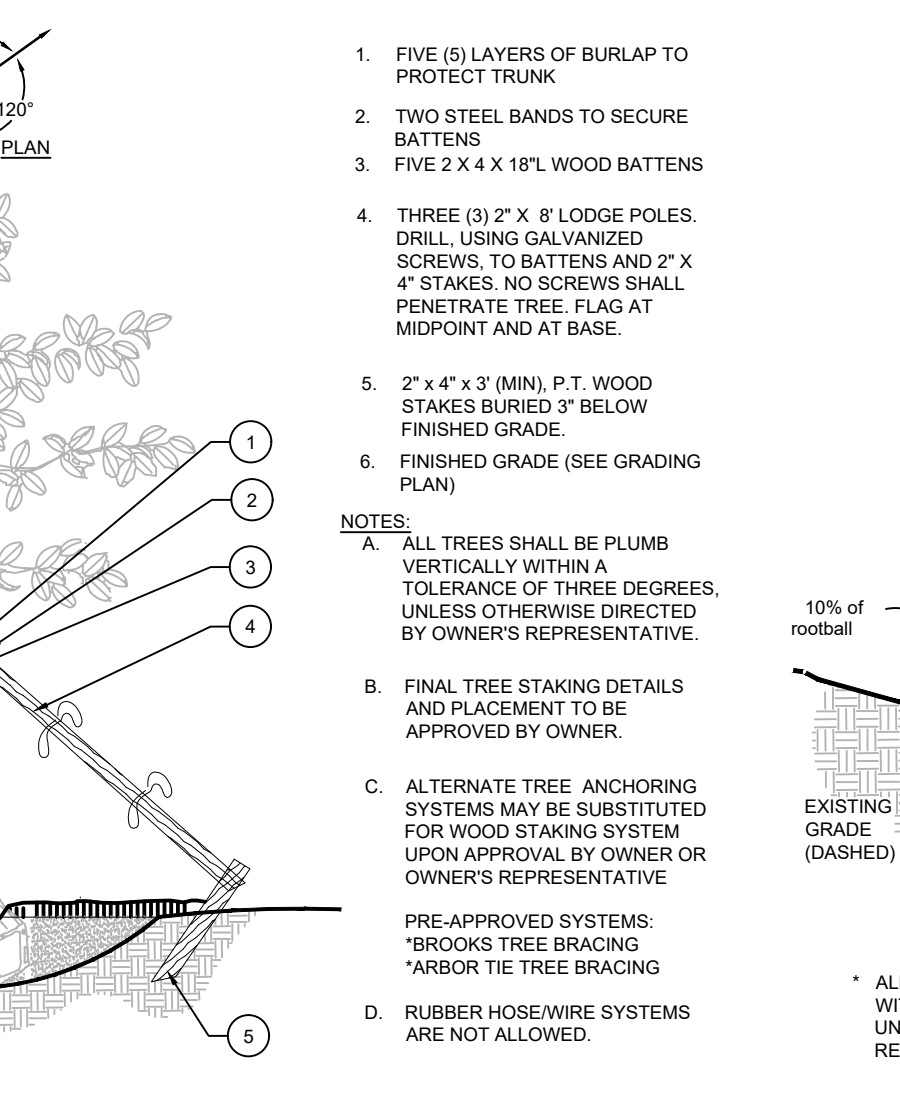
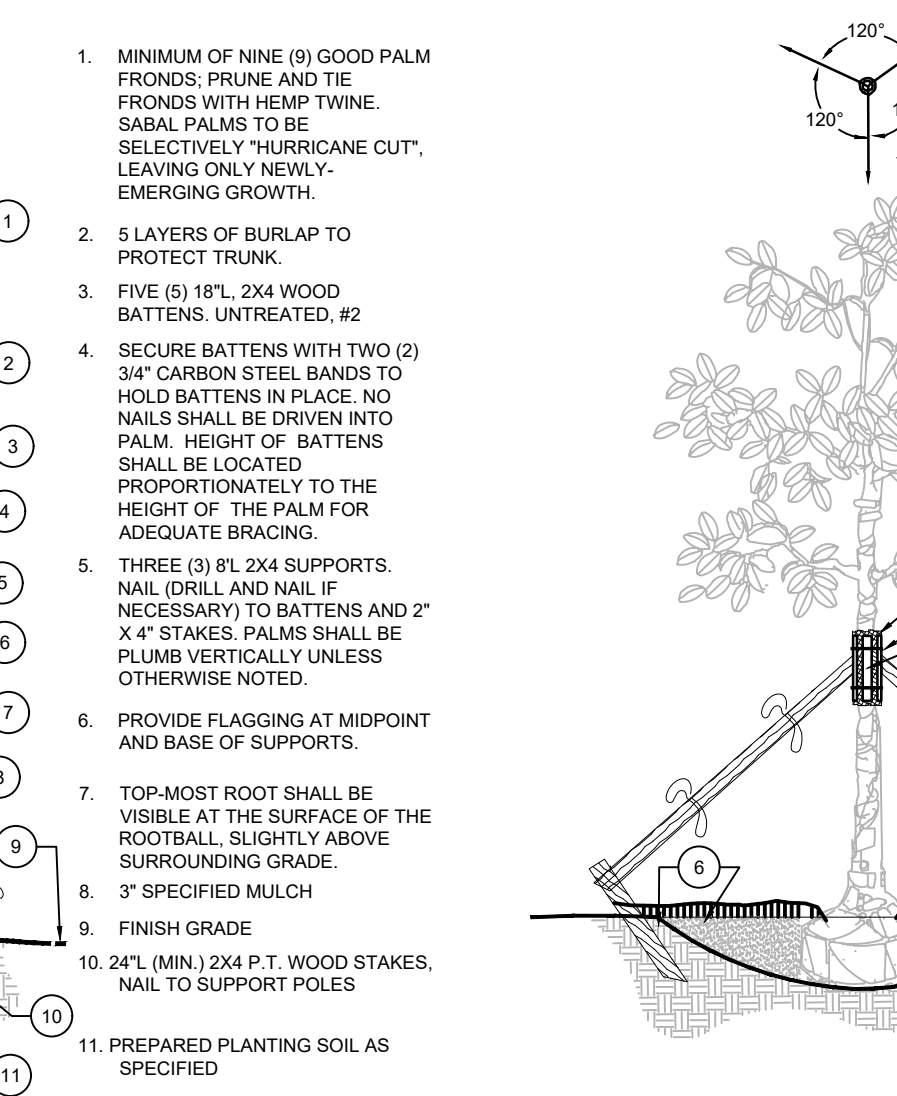
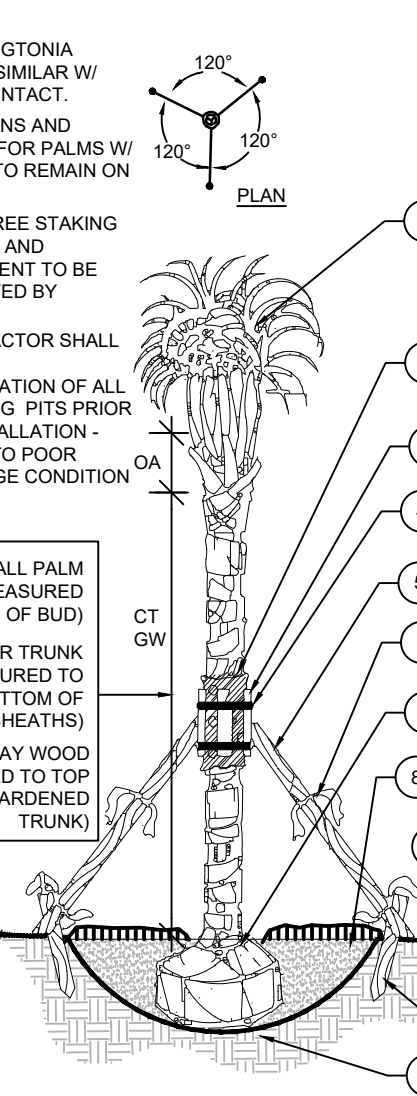
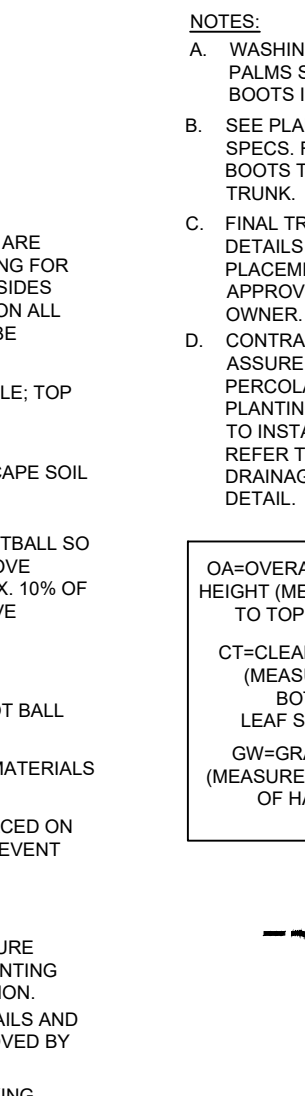
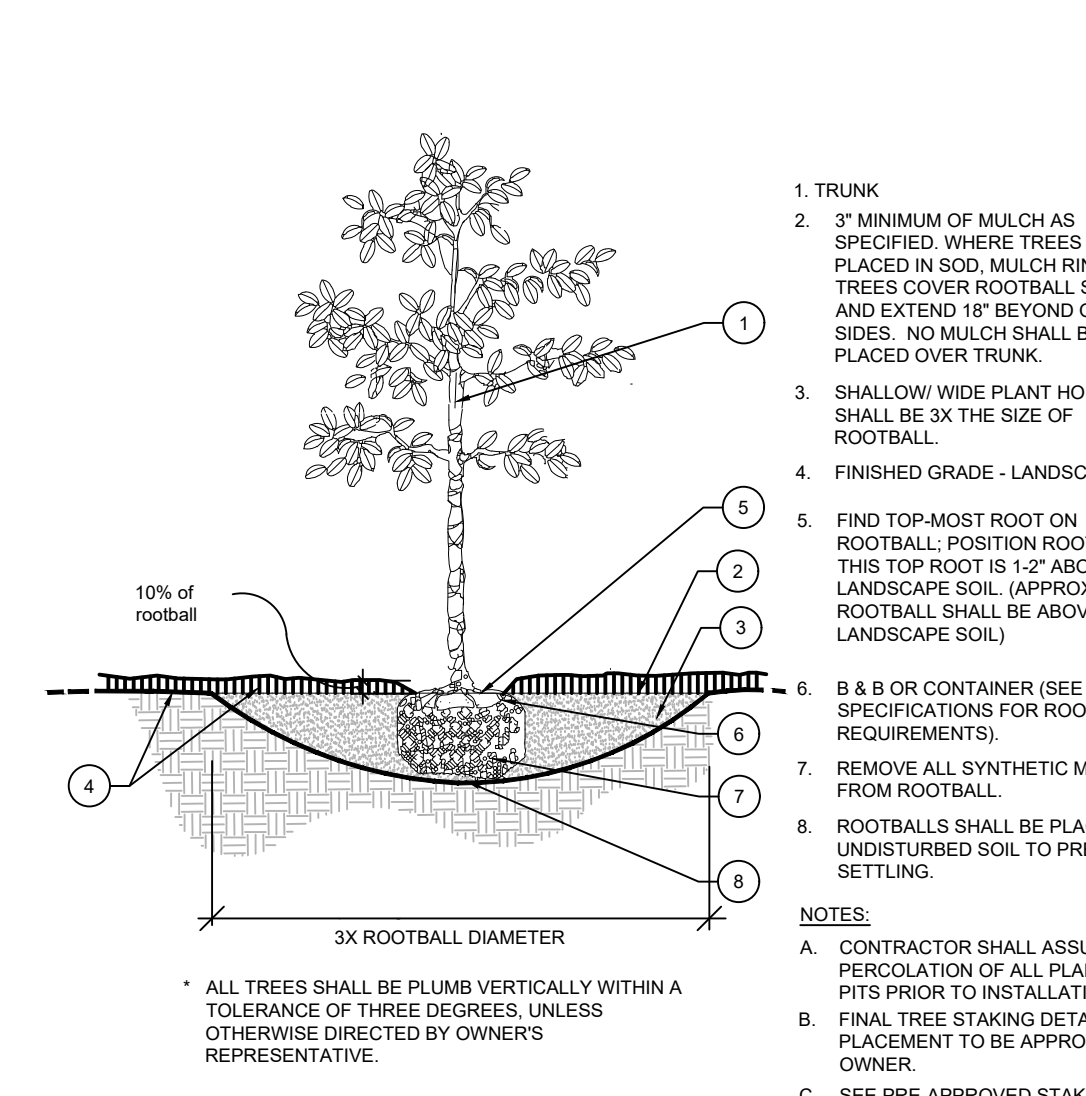
LANDSCAPE NOTES

- LANDSCAPE MATERIAL STANDARDS**
- QUALITY PLANT MATERIALS USED IN CONFORMANCE WITH THE PROVISIONS OF THIS CHAPTER SHALL CONFORM TO THE STANDARDS FOR FLORIDA NO. 1 OR BETTER, UNLESS SPECIFICALLY EXCEPTED BELOW, AS GIVEN IN THE MOST CURRENT EDITION OF "GRADES AND STANDARDS FOR NURSERY PLANTS" PART I AND PART II, DEPARTMENT OF AGRICULTURE, TALLAHASSEE, OR EQUAL. THERE TO, A CANOPY TREE MAY BE DEEMED TO MEET FLORIDA NO. 1 STANDARDS IF THE MAIN LEADER SPLITS INTO NO MORE THAN TWO (2) LEADERS AT OR ABOVE A HEIGHT OF TEN (10) FEET. PALMS SHALL HAVE A FULL, HEALTHY HEAD AND SHALL NOT BE EXCESSIVELY PRUNED, GRASS SODS SHALL BE CLEAN AND FREE OF WEEDS AND NOXIOUS PESTS OR DISEASES. GRASS SEEDS SHALL BE DELIVERED TO THE JOB SITE IN BAGS WITH FLORIDA DEPARTMENT OF AGRICULTURE TAGS ATTACHED, INDICATING THE SEED GROWER'S COMPLIANCE WITH THE DEPARTMENT'S QUALITY CONTROL PROGRAM. PLANT MATERIALS WHICH ARE KNOWN TO BE INTOLERANT OF PAVING ENVIRONMENTS, OR WHOSE PHYSICAL CHARACTERISTICS MAY BE INJURIOUS TO THE PUBLIC, SHALL NOT BE SPECIFIED FOR USE.

(A) COUNTY-ACCEPTABLE FLORIDA NO. 2* CANOPY TREE SHALL MEAN A FLORIDA NO. 2 TREE WITH NO DISTORTED OR LOP-SIDED CROWN, NO SPLIT LEADER BELOW EIGHT (8) FEET, NO MORE THAN TWO (2) LEADERS BELOW TWELVE (12) FEET, AND NO SPLIT LEADER BELOW TWELVE (12) FEET WITH A DEGREE OF SEPARATION THAT EXCEEDS THIRTY (30) DEGREES.
 - DROUGHT TOLERANCE REQUIREMENTS. A MINIMUM OF FIFTY (50) PERCENT OF TOTAL CUMULATIVE LANDSCAPE PLANT MATERIAL USED TO MEET THE PROVISIONS OF THIS CHAPTER SHALL BE "MODERATELY" OR "VERY" DROUGHT TOLERANT, AS CLASSIFIED AND LISTED IN THE MOST RECENT EDITION OF THE "SOUTH FLORIDA WATER MANAGEMENT DISTRICT XERISCAPE PLANT GUIDE" OR A COMPARABLE PUBLICATION. EXISTING NATIVE PLANT SPECIES PRESERVED ON-SITE MAY BE CONSIDERED AS CREDIT TOWARD THE DROUGHT TOLERANCE PERCENTAGE REQUIREMENT.
 - TREES.
 - CANOPY TREES.
 - CANOPY TREES, EXCEPT FOR NARROW CANOPY TREE SPECIES IDENTIFIED UNDER [SUBSECTION] 926.06(3)(D)1.B., BELOW, SHALL BE SPECIES HAVING AN AVERAGE MATURE CROWN SPREAD OF GREATER THAN FIFTEEN (15) FEET UNDER LOCAL CLIMATIC CONDITIONS AND HAVING A TRUNK(S) WITH OVER FIVE (5) FEET OF CLEAR WOOD. "CLEAR WOOD" REFERS TO THAT PORTION OF THE TRUNK BETWEEN THE GROUND AND THE LOWEST LATERAL LIMBS.
 - ALL NEW CANOPY TREES SHALL BE PLANTED IN A PLANTING AREA OF AT LEAST ONE HUNDRED FORTY-FOUR (144) SQUARE FEET WITH MINIMUM DIMENSIONS BEING AT LEAST TWELVE (12) FEET IN ANY DIRECTION. LARGER AREAS MAY BE REQUIRED BY THE COMMUNITY DEVELOPMENT DIRECTOR OR HIS DESIGNEE FOR NEWLY PLANTED OR EXISTING TREES TO BE PRESERVED, AS REQUIRED BY CHAPTER 92Z.
 - CLUSTERS OF PALMS, SUCH AS SABAL PALMS, MAY BE USED AS CANOPY TREES PROVIDED THAT A MINIMUM OF THREE (3) PALMS ARE CLUSTERED TO EQUAL ONE (1) CANOPY TREE. CLUSTERS OF PALMS AND SPECIMEN PALMS (SPECIFIED BELOW), IF USED, SHALL CONSIST OF NO MORE THAN ONE-THIRD (1/3) OF THE TOTAL CANOPY TREE REQUIREMENT.
 - MULTI-TRUNK PALM MAY BE SUBSTITUTED FOR ONE (1) CANOPY TREE PROVIDED THAT THE TOTAL HEIGHT OF THE COMBINED CLEAR TRUNKS (GROUND TO LOWEST FROND, MEASURED ALONG THE TRUNK) IS A MINIMUM OF EIGHTEEN (18) FEET.
 - A CANARY ISLAND DATE PALM, SYCAMORE PALM, OR SOMBRERO PALM WITH A CLEAR TRUNK OF AT LEAST TWO (2) FEET AND AN OVERALL HEIGHT OF AT LEAST TWELVE (12) FEET MAY COUNT AS ONE (1) CANOPY TREE. SUCH A PALM MAY COUNT AS TWO (2) CANOPY TREES IF IT HAS A CLEAR TRUNK OF AT LEAST EIGHT (8) FEET AND AN OVERALL HEIGHT OF AT LEAST EIGHTEEN (18) FEET.
 - A PALM OF THE ROYSTONEA GENUS WITH A MINIMUM CLEAR TRUNK OF TEN (10) FEET MAY BE COUNTED AS ONE (1) CANOPY TREE.
 - MINIMUM CANOPY TREE SPACING SHALL BE PROVIDED AS FOLLOWS:
 - BETWEEN FULL CANOPY TREES (E.G. OAK, PINE, BAY): TWENTY-FIVE (25) FEET.
 - BETWEEN NARROW CANOPY TREE VARIETIES (E.G., CYPRESS AND HOLLY) NOT INCLUDING MAGNOLIA: FIFTEEN (15) FEET.
 - BETWEEN FULL CANOPY TREES AND NARROW CANOPY TREE VARIETIES (E.G., CYPRESS AND HOLLY) NOT INCLUDING MAGNOLIA: TWENTY (20) FEET.
 - TREES HAVING AN AVERAGE MATURE CROWN SPREAD LESS THAN FIFTEEN (15) FEET MAY BE SUBSTITUTED BY GROUPING THE SAME SO AS TO CREATE THE EQUIVALENT OF A 15' CROWN SPREAD.
 - UNDERSTORY TREES SHALL BE SPECIES DEFINED AS MEDIUM OR SMALL TREES HAVING A MATURE CROWN SPREAD OF FIFTEEN (15) FEET OR LESS.
 - TREE SIZES.
 - REQUIRED CANOPY TREES SHALL BE A MINIMUM OF TWELVE (12) FEET OVERALL IN HEIGHT AND TWO (2) INCH DIAMETER AT ONE-HALF (0.5) FEET ABOVE GRADE WITH A MINIMUM CROWN SPREAD OF FOUR AND ONE-HALF (4.5) FEET, AT THE TIME OF PLANTING, EXCEPT AS FOLLOWS:
 - UNLESS OTHERWISE SPECIFIED IN [SUBSECTION] (3)(A) ABOVE, PALMS USED TOWARD CANOPY TREE CREDIT SHALL HAVE A MINIMUM CLEAR TRUNK (GROUND TO LOWEST FROND, MEASURED ALONG THE TRUNK) OF TEN (10) FEET, WHERE AN ARRANGEMENT OF SUCH PALMS WITH VARYING HEIGHTS BETWEEN SIX (6) FEET CLEAR TRUNK AND EIGHTEEN (18) FEET CLEAR TRUNK IS PROPOSED AND THE AVERAGE CLEAR TRUNK OF THE ARRANGEMENT IS TEN (10) FEET. EACH PALM IN THE ARRANGEMENT SHALL COUNT AS ONE (1) TEN-FOOT CLEAR TRUNK PALM FOR TREE CANYO REQUIREMENT PURPOSES.
 - NARROW, UPRIGHT CANOPY TREE SPECIES, SUCH AS VARIETIES OF CYPRESS, HOLLY, AND MAGNOLIA, SHALL HAVE A MINIMUM SPREAD OF THREE AND ONE-HALF (3.5) FEET AT THREE (3) FEET ABOVE GROUND LEVEL.
 - WHERE A BUILDING BETWEEN TWELVE (12) FEET AND TWENTY-FIVE (25) FEET IN HEIGHT IS PROPOSED TO BE LOCATED WITHIN FIFTY (50) FEET OF A PERIMETER PROPERTY LINE THAT SEPARATES THE DEVELOPMENT PROJECT FROM AN ADJUTING RESIDENTIAL USE LOCATED OUTSIDE THE PERIMETER, CANOPY TREES WITHIN REQUIRED BUFFERS (TYPES A-C) LOCATED BETWEEN THE BUILDING AND A SITE PERIMETER SHALL BE A MINIMUM OF FIFTEEN (15) FEET IN HEIGHT WITH A THREE-INCH DIAMETER AT 0.5 FEET ABOVE GRADE AT PLANTING AND A MINIMUM SIX-FOOT SPREAD, WHERE A BUILDING BETWEEN TWELVE (12) FEET AND TWENTY-FIVE (25) FEET IN HEIGHT IS PROPOSED MORE THAN FIFTY (50) FEET FROM A PERIMETER, THE CANOPY TREE HEIGHT REQUIREMENTS OF [SUBSECTION] (D)1. ABOVE, SHALL APPLY TO CANOPY TREES WITHIN THE BUFFER.
 - WHERE A BUILDING OVER TWENTY-FIVE (25) FEET IN HEIGHT IS PROPOSED TO BE LOCATED WITHIN SEVENTY (70) FEET OF A PERIMETER PROPERTY LINE THAT SEPARATES THE DEVELOPMENT FROM AN ADJUTING RESIDENTIAL USE LOCATED OUTSIDE THE PROJECT, ALL CANOPY TREES WITHIN REQUIRED BUFFERS (TYPES A-C) LOCATED BETWEEN THE BUILDING AND A SITE PERIMETER SHALL BE A MINIMUM OF SIXTEEN (16) FEET IN HEIGHT WITH A THREE-INCH DIAMETER AT ONE-HALF (0.5) FEET ABOVE GRADE AND A MINIMUM EIGHT-FOOT SPREAD AT PLANTING. WHERE A BUILDING OVER TWENTY-FIVE (25) FEET IN HEIGHT IS PROPOSED MORE THAN SEVENTY (70) FEET FROM A PERIMETER, THE CANOPY TREE HEIGHT REQUIREMENTS OF [SUBSECTION] (D)1. ABOVE, SHALL APPLY TO CANOPY TREES WITHIN THE BUFFER.
 - REQUIRED UNDERSTORY TREES SHALL BE A MINIMUM OF SIX (6) FEET OVERALL IN HEIGHT AND ONE- AND ONE-HALF (1.5) INCHES DIAMETER AT ONE-HALF (0.5) FEET ABOVE GRADE AT THE TIME OF PLANTING. MULTI-TRUNK TREES SHALL HAVE A COMBINED ONE- AND ONE-HALF-INCH CALIPER FOR ALL TRUNKS AT SIX (6) INCHES ABOVE GRADE. PALM TREES USED AS UNDERSTORY TREES SHALL HAVE A MINIMUM OVERALL HEIGHT OF SIX (6) FEET AND SHALL NOT COMPRISE MORE THAN ONE-THIRD (1/3) OF THE TOTAL UNDERSTORY TREE REQUIREMENT.
 - THE NUMBER OF DIFFERENT SPECIES OF TREES, OTHER THAN PALMS, SHALL BE AS FOLLOWS: FOR SITES OR PARCELS LOCATED IN A SAND RIDGE OR XERIC SCRUB ENVIRONMENT AS DETERMINED BY COUNTY ENVIRONMENTAL PLANNING STAFF, A MINIMUM OF SIX (6) SPECIES SHALL BE REQUIRED, REGARDLESS OF THE REQUIRED NUMBER OF TREES. SUCH TREES SHALL BE INDIGENOUS TO, AND TOLERANT OF, SAND RIDGE OR XERIC SCRUB CONDITIONS.
 - AT LEAST FIFTY (50) PERCENT OF ALL REQUIRED CANOPY TREES, UNDERSTORY TREES, AND PALMS SHALL BE A NATIVE SPECIES AS LISTED IN APPENDIX A.
 - TREES IN PROXIMITY TO PUBLIC WORKS OR EASEMENTS. TREES OF A SPECIES WHOSE ROOTS ARE KNOWN TO CAUSE DAMAGE TO SIDEWALKS, ROADS, OR DRIVEWAYS SHALL NOT BE PLANTED CLOSER THAN SIX (6) FEET TO SUCH STRUCTURES UNLESS A TREE ROOT SYSTEM BARRIER, APPROVED BY THE PUBLIC WORKS DIRECTOR OR HIS DESIGNEE, IS PROVIDED THAT PROTECTS THE STRUCTURE(S) FROM DAMAGE BY THE ROOT SYSTEM. SAID TREE ROOT BARRIER, WHERE REQUIRED, SHALL BE INSTALLED PRIOR TO ISSUING A CERTIFICATE OF OCCUPANCY OR CERTIFICATE OF COMPLETION.
 - INSTALLATION OF CERTIFICATE OF OCCUPANCY OR CERTIFICATE OF COMPLETION. THE INSTALLATION OF ANY OF THE SPECIES LISTED IN APPENDIX B IS PROHIBITED.
 - CREDITS FOR THE USE OF NEWLY PLANTED TREES LARGER THAN THE MINIMUM SIZE SHALL BE AS INDICATED IN TABLE 2. FRACTIONAL MEASUREMENTS SHALL BE ATTRIBUTED TO THE NEXT LOWEST CATEGORY. SEE TABLE 3 REGARDING CREDITS FOR TREES PRE-EXISTING OR RELOCATED ON-SITE.
 - SHRUBS.
 - SHRUBS SHALL BE A MINIMUM OF EIGHTEEN (18) INCHES IN HEIGHT WHEN MEASURED IMMEDIATELY AFTER PLANTING, EXCEPT THAT NON-NATIVE MYRTLENUM AND LIGUSTRUM SPECIES SHALL BE A MINIMUM OF TWENTY-FOUR (24) INCHES IN HEIGHT IMMEDIATELY AFTER PLANTING.
 - SHRUBS, WHERE REQUIRED, SHALL BE PLANTED IN AN OFFSET DOUBLE ROW AND MAINTAINED SO AS TO FORM A CONTINUOUS, UNBROKEN, SOLID SCREEN. WHERE REQUIRED TO FORM A CONTINUOUS SCREEN TO SATISFY A BUFFER OR OPAQUE FEATURE REQUIREMENT, SHRUBS SHALL BE PLANTED ON TWENTY-FOUR (24)-TO-THIRTY (30) INCH CENTERS, UNLESS A GREATER SPACING IS NECESSARY TO ACCOMMODATE LARGER SHRUBS AND IS APPROVED BY PLANNING DIVISION STAFF.
 - EVERY LANDSCAPE PLAN SHALL CONTAIN A MINIMUM NUMBER OF SHRUB SPECIES AS INDICATED IN THE TABLE BELOW, EXCLUDING SHRUBS USED IN OPAQUE FEATURES, AT LEAST FIFTY (50) PERCENT OF THE REQUIRED NUMBER OF SHRUBS SHALL BE OF NATIVE SPECIES, LISTED IN APPENDIX A.
 - VINES. VINES SHALL BE A MINIMUM OF EIGHTEEN (18) INCHES IN HEIGHT DIRECTLY AFTER PLANTING AND NO LESS THAN THIRTY (30) INCHES APART. VINES MAY BE USED IN CONJUNCTION WITH FENCES, SCREENS OR WALLS TO MEET PHYSICAL BARRIER REQUIREMENTS AS SPECIFIED. AT LEAST FIFTY (50) PERCENT MUST BE NATIVE. VINES QUALIFYING AS NATIVE ARE LISTED IN APPENDIX A. THE INSTALLATION OF ANY SPECIES LISTED IN APPENDIX B IS PROHIBITED.
 - MULCH AND GROUND COVERS. THE USE OF CYPRESS MULCH IS PROHIBITED. MULCH THAT IS NOT CYPRESS MAY BE USED. GROUND COVERS (NOT INCLUDING SOD GRASS) SHALL BE PLANTED IN SUCH A MANNER AS TO PRESENT A FINISHED APPEARANCE AND REASONABLY COMPLETE COVERAGE WITHIN ONE YEAR AFTER PLANTING. AT LEAST FIFTY (50) PERCENT OF THE AREA COVERED BY LIVING MATERIAL SHALL BE OF NATIVE SPECIES. REFER TO APPENDIX A FOR A LIST OF NATIVE GROUND COVERS AND FLOWERS. THE COMPLETE COVERAGE OF AN AREA BY GROUND COVERS PRECLUDES THE USE OF MULCH THEREAFTER.
 - TURF GRASS. TURF GRASS AREAS SHALL BE IDENTIFIED ON THE LANDSCAPE PLAN AND SHALL BE LIMITED TO A MAXIMUM OF FIFTY (50) PERCENT OF THE TOTAL IRRIGATED, LANDSCAPED AND VEGETATED PROJECT AREA, EXCLUDING RIGHTS-OF-WAY, ACTIVE RECREATION AREAS (E.G. PLAYFIELDS), AND SLOPES WITHIN DRY RETENTION AREAS. TURF GRASS SHALL BE PLACED SO THAT IT CAN BE IRRIGATED IN A SEPARATE ZONE. PREFERRED TURF GRASSES ARE THOSE QUALIFYING AS NATIVE AND ARE LISTED IN APPENDIX A.
 - GRASS AREAS MAY BE SOOLED, PLOTTED, STRIPPED OR SEEDED, EXCEPT THAT SOLID SOD OR HYDRO-SEEDING SHALL BE USED IN SWALES OR OTHER AREAS SUBJECT TO EROSION. SEED, WEED, SPROUT, SHALL BE OF A VARIETY THAT WILL PRODUCE COVERAGE WITHIN NINETY (90) DAYS FROM SOWING, WHERE OTHER THAN SOLID SOD, GRASS SEED OR GRASS SPRIGGING IS USED. NURSE GRASS SEED SHALL BE SOIN FOR IMMEDIATE EFFECT AND PROTECTION UNTIL COVERAGE IS OTHERWISE ACHIEVED. WHEN NECESSARY, A RESEEDING PROGRAM SHALL BE IMPLEMENTED TO PRODUCE COMPLETE COVERAGE WITHIN ONE (1) YEAR.

IRRIGATION STANDARDS

- UNDERGROUND IRRIGATION SYSTEMS SHALL BE REQUIRED FOR ALL DEVELOPMENT SUBJECT TO THE PROVISIONS OF SECTION 926.11 OF THE INDIAN RIVER COUNTY LANE DEVELOPMENT REGULATIONS. IRRIGATION PLANS MUST INCLUDE A SYSTEM WHICH PROVIDES FOR RESTRICTIONS ON IRRIGATION USE AS SPECIFIED BY THE ST. JOHNS RIVER WATER MANAGEMENT DISTRICT.
- NOTE: PER IRC ENGINEERING, PROPOSED TREES ARE TO BE PLANTED NO CLOSER THAN 10' TO STORMWATER PIPES (6" WITH ROOT BARRIERS).
- AUTOMATIC IRRIGATION CONTROLLERS WHEN UTILIZED SHALL CONTAIN A FUNCTIONAL RAIN SENSOR DEVICE, CAPABLE OF BEING SET TO ONE MINUTE RUN TIMES, AND BATTERY BACKUP CAPABILITY TO RETAIN PROGRAMMING IN THE EVENT OF POWER FAILURE.
 - A RAIN SENSOR SHALL BE INSTALLED IN A DOWNY DRY STRUCTURE, FREE AND CLEAR OF ANY OVERHEAD OBSTRUCTIONS AND ABOVE THE HEIGHT OF THE SPRINKLER COVERAGE.
 - EQUIPMENT WITH CHECK VALVES USED IN LOW LYING AREAS TO PREVENT LOW HEAD DRAINAGE.
 - BACKFLOW PREVENTION METHODS.
 - IRRIGATION DESIGN WITH THE APPROPRIATE UNIFORMITY FOR THE TYPE OF PLANT BEING GROWN AND FOR THE TYPE OF SOIL.
 - IRRIGATION SYSTEM EQUIPMENT INSTALLED AS DESIGNED.
 - IRRIGATION ZONES DIVIDED ACCORDING TO AVAILABLE FLOW RATE, VEGETATED GROUPINGS (I.E. TURF, SHRUBS, NATIVE PLANTS, ETC) SPRINKLER TYPES (I.E. SPRINKLERS WITH MATCHING PRECIPITATION RATES) AND SOIL CHARACTERISTICS.
 - SPRAY HEADS AND NOZZLES NOT MIXED IN SAME ZONE.
 - DISTRIBUTION EQUIPMENT IN A GIVEN ZONE MUST BE MATCHED PRECIPITATION RATES.
 - APPLICATION RATES THAT AVOID RUNOFF AND PERMIT UNIFORM WATER INFILTRATION INTO THE SOIL, CONSIDERING LAND SLOPE, SOIL HYDRAULIC PROPERTIES, VEGETATIVE GROUND COVER AND PREVAILING WINDS.
 - A MINIMUM SEPARATION OF FOUR (4) INCHES BETWEEN DISTRIBUTION EQUIPMENT AND PAVEMENT.
 - A MINIMUM SEPARATION OF TWELVE (12) INCHES BETWEEN DISTRIBUTION EQUIPMENT AND BUILDINGS AND OTHER VERTICAL STRUCTURES.
 - NO DIRECT SPRAY ONTO WINDOWS, BUILDINGS, ROADWAYS, AND DRIVES.
 - A RAIN SPROUT PATTERNS PROHIBITED TO HEAD TO HEAD COVERAGE.
 - WATER CONVEYANCE SYSTEMS WITH A FLOW VELOCITY OF FIVE (5) FEET PER SECOND OR LESS.
 - PRELINES DESIGNED TO PROVIDE THE SYSTEM WITH THE APPROPRIATE PRESSURE REQUIRED FOR MAXIMUM IRRIGATION UNIFORMITY.
 - PRESSURE REGULATING HEADS.
 - A MAINTENANCE CHECKLIST PROVIDED TO THE PROPERTY OWNER BY THE IRRIGATION CONTRACTOR ACCOMPANIED BY A RECOMMENDED MAINTENANCE SCHEDULE. PROPER IRRIGATION SYSTEM SETTINGS ACCORDING TO SEASON RECOMMENDATIONS FOR CHECKING RAIN SENSOR DEVICE, FILTER CLEANING RECOMMENDATIONS AND INFORMATION ON THE CURRENT WATER RESTRICTIONS.



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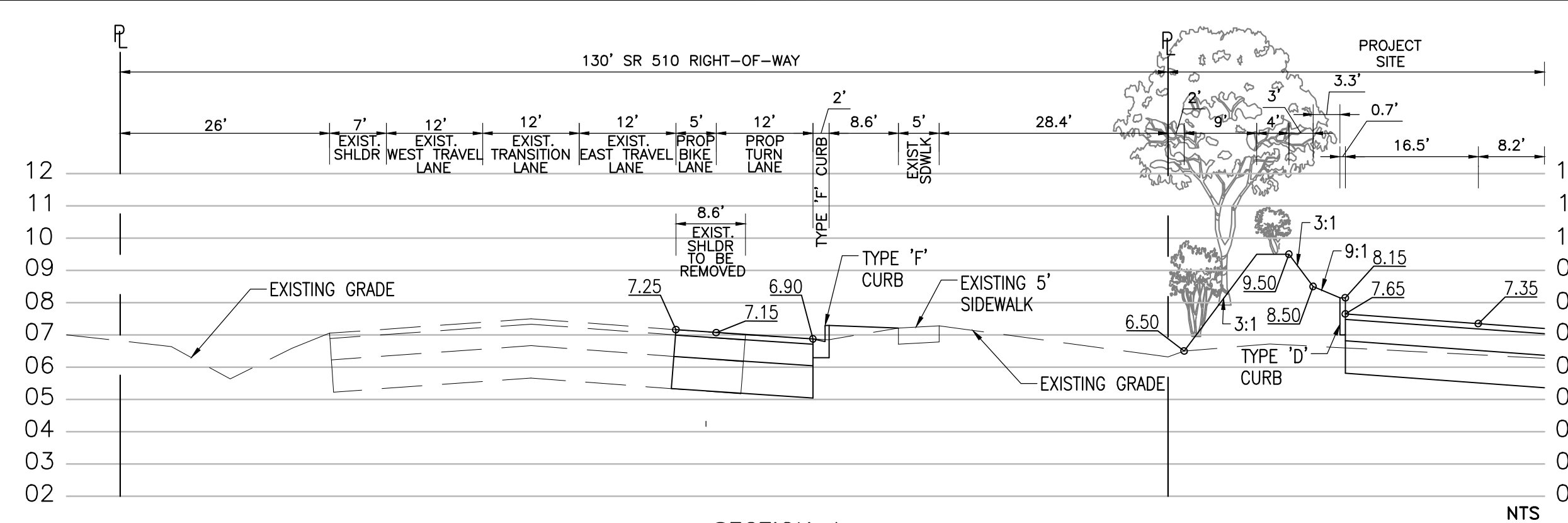
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 CIVIL & STRUCTURAL ENGINEERING, LAND PLANNING, ENVIRONMENTAL PERMITTING
 CERTIFICATION OF AUTHORIZATION NO.: 0000868
 1717 INDIAN RIVER BLVD., SUITE 201 VERO BEACH, FLORIDA 32906
 TEL 772-770-9622 FAX 772-770-9496 EMAIL jlbittle@sbsengineers.com
 WEBSITE: https://www.sbsengineers.com

LANDSCAPE SPECIFICATIONS AND DETAILS

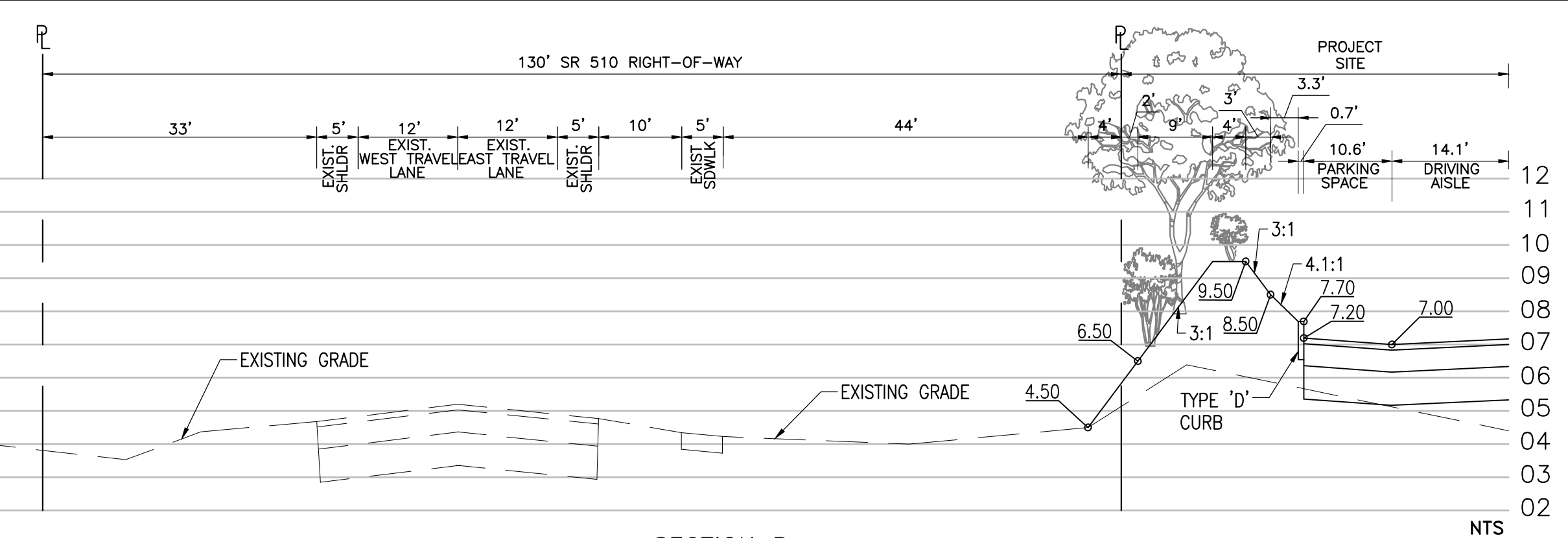
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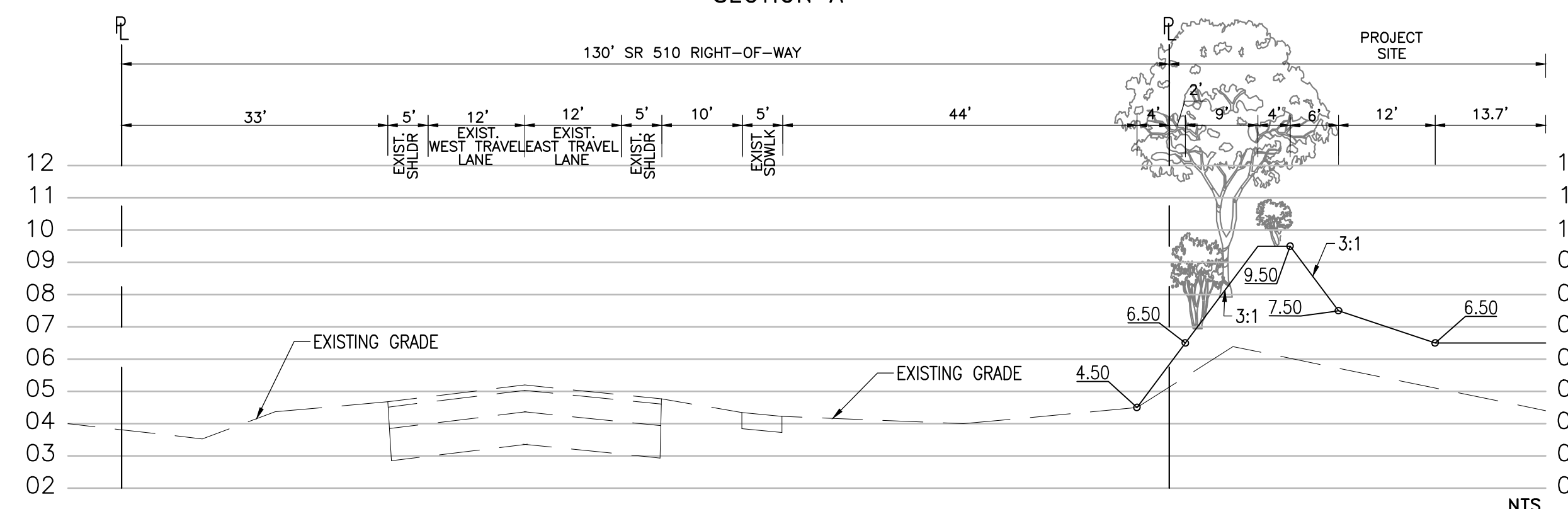
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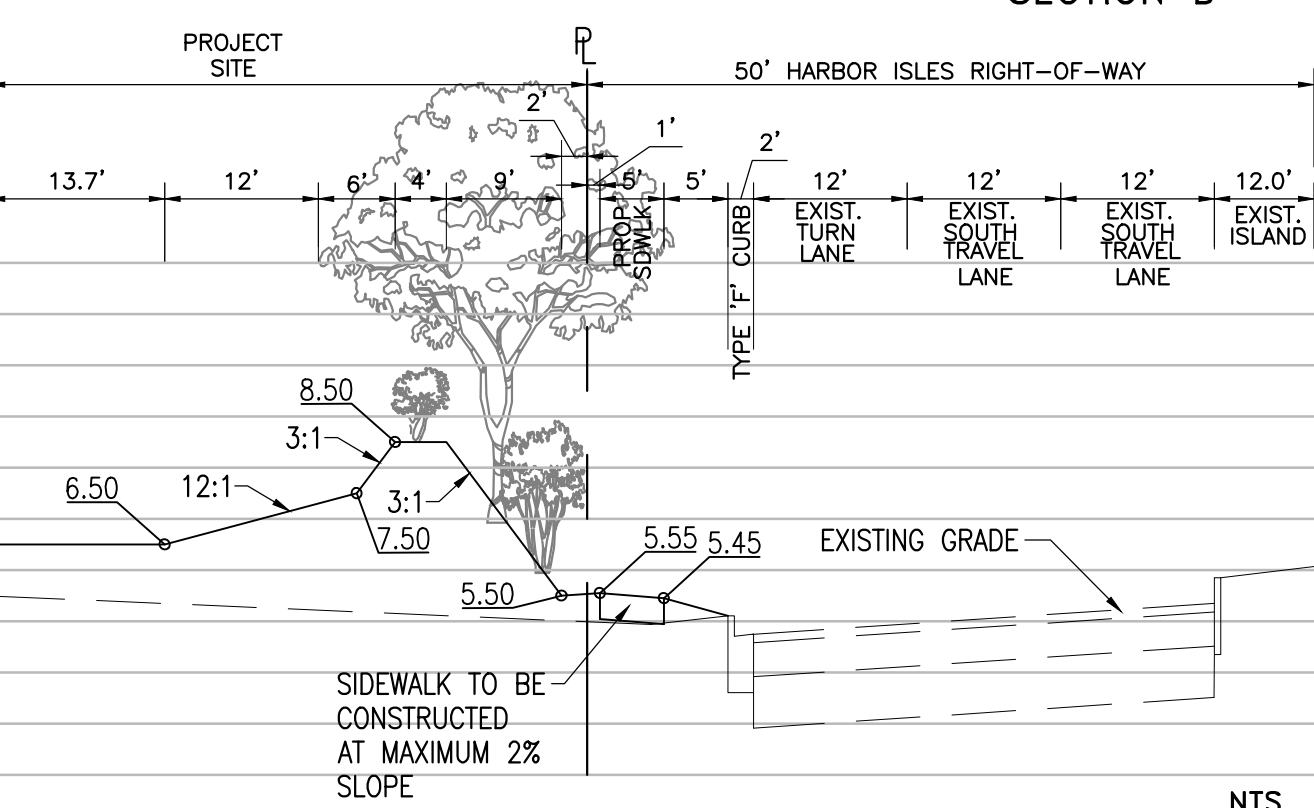
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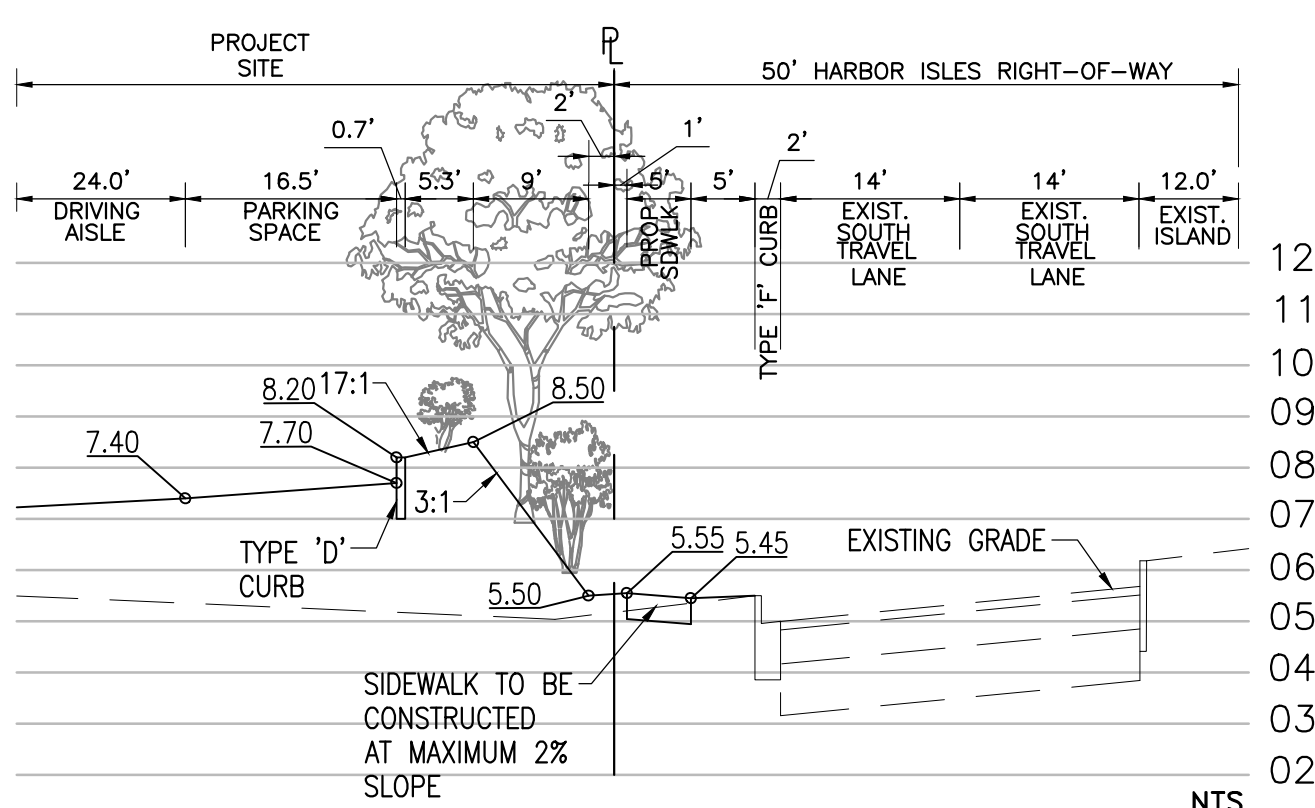
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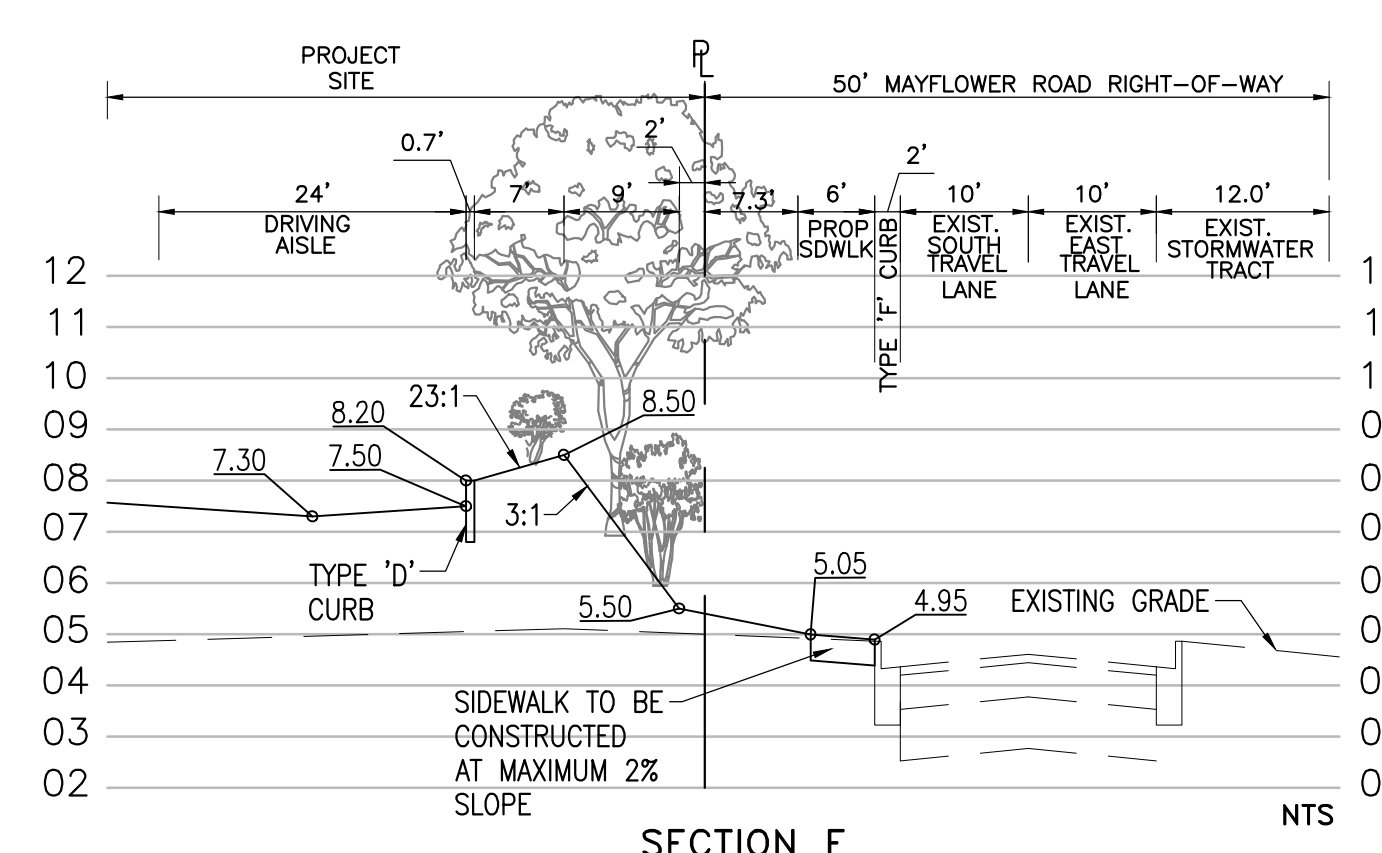
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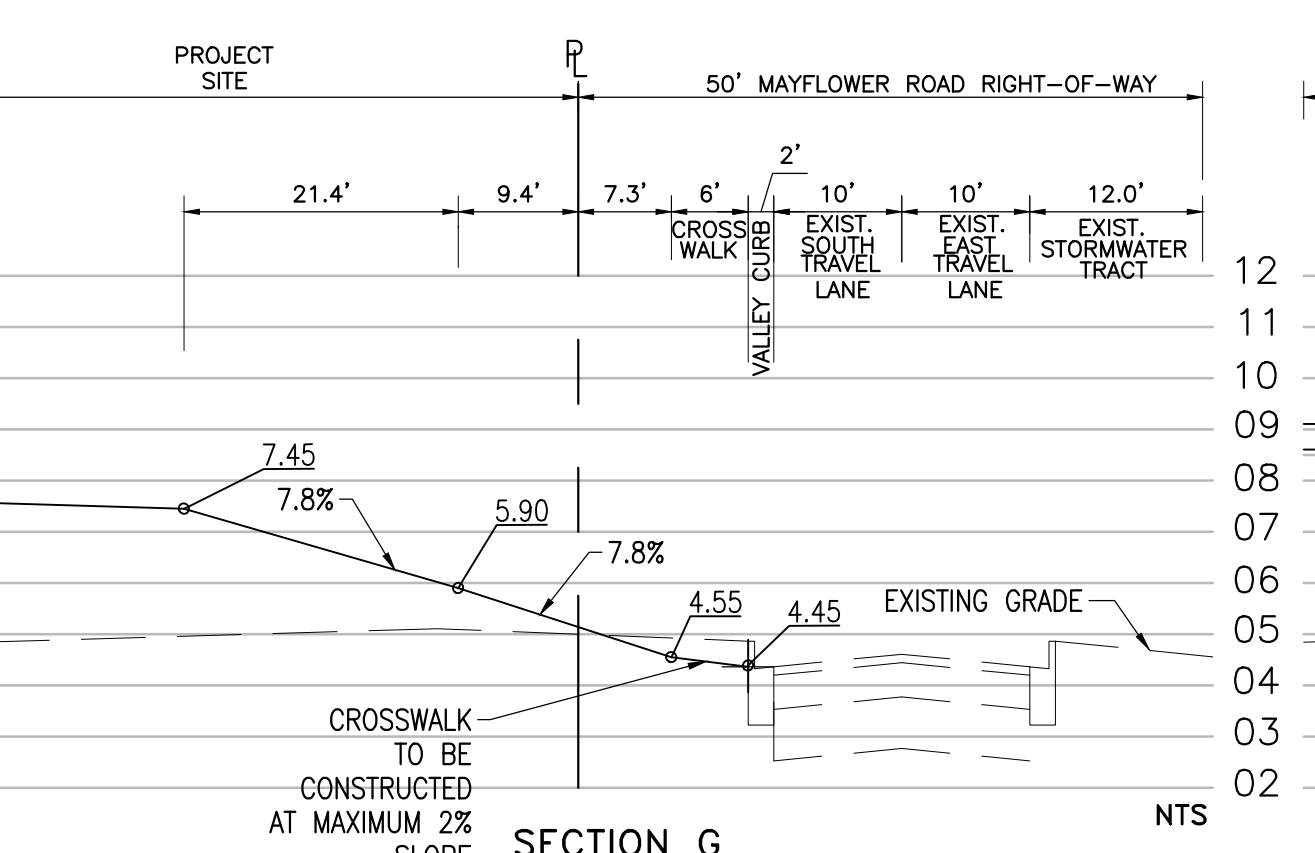
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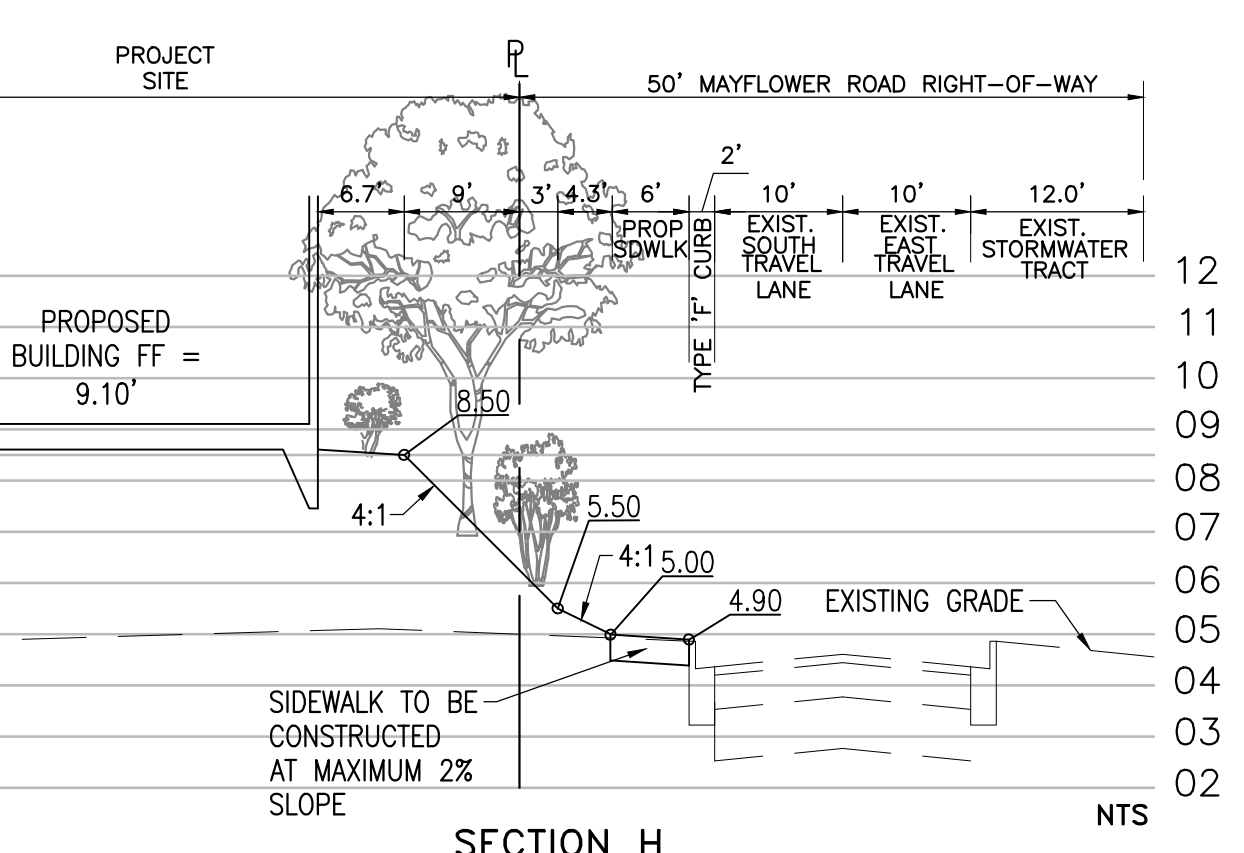
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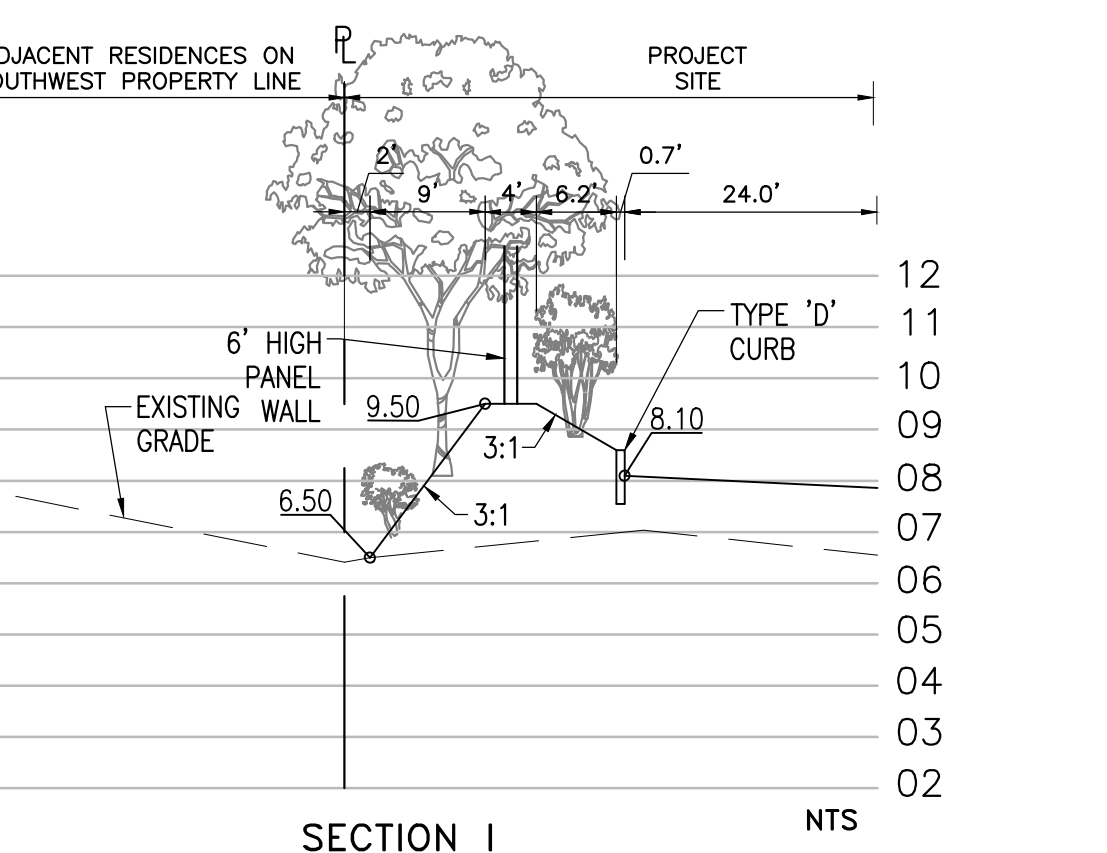
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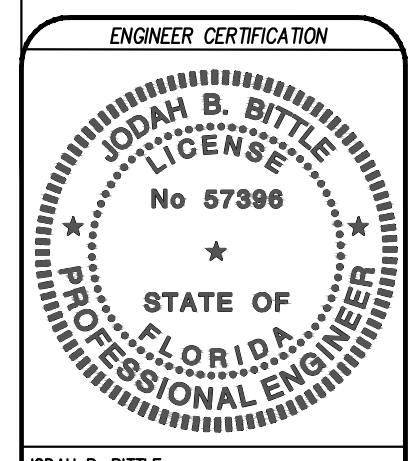
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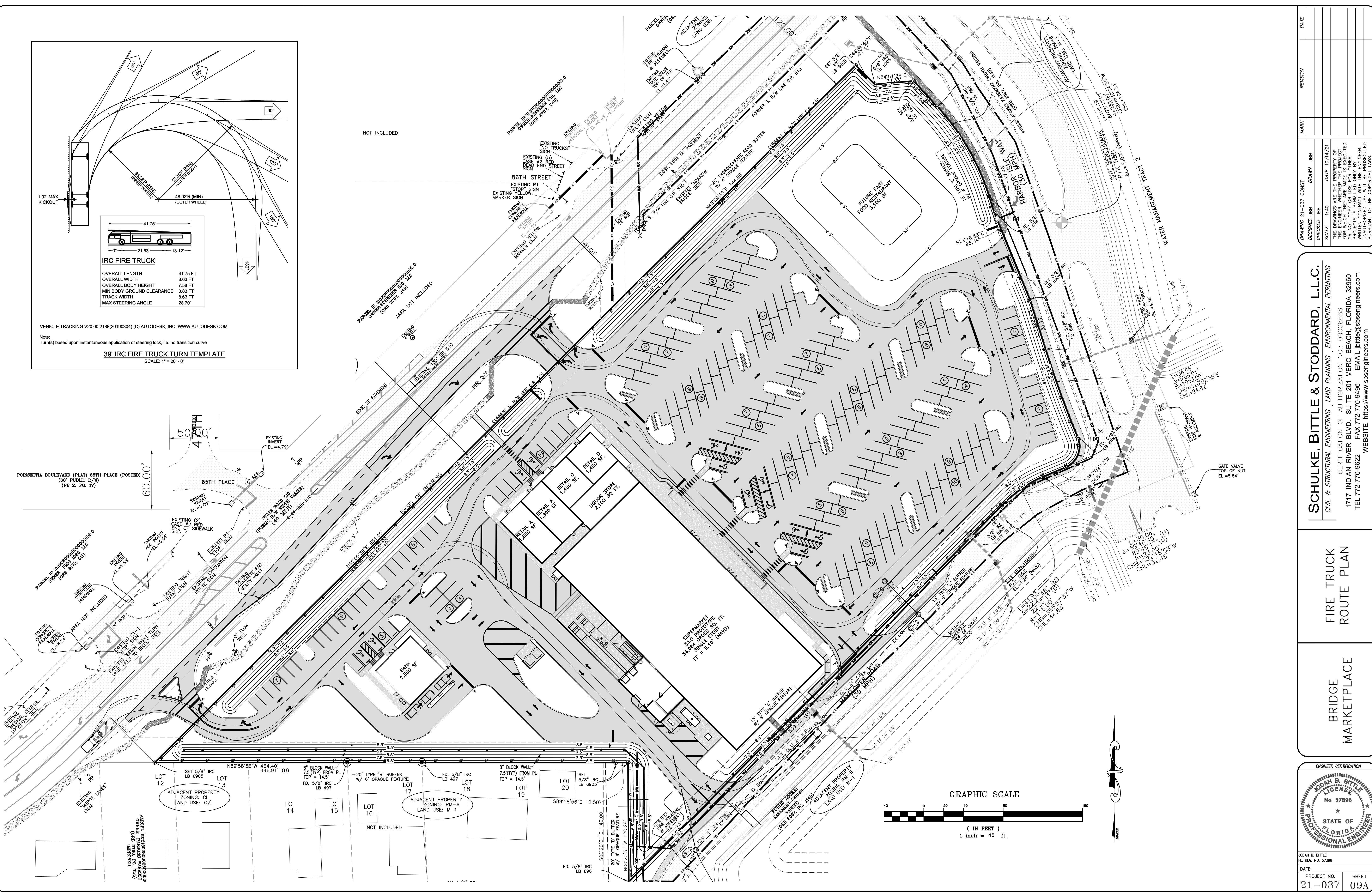
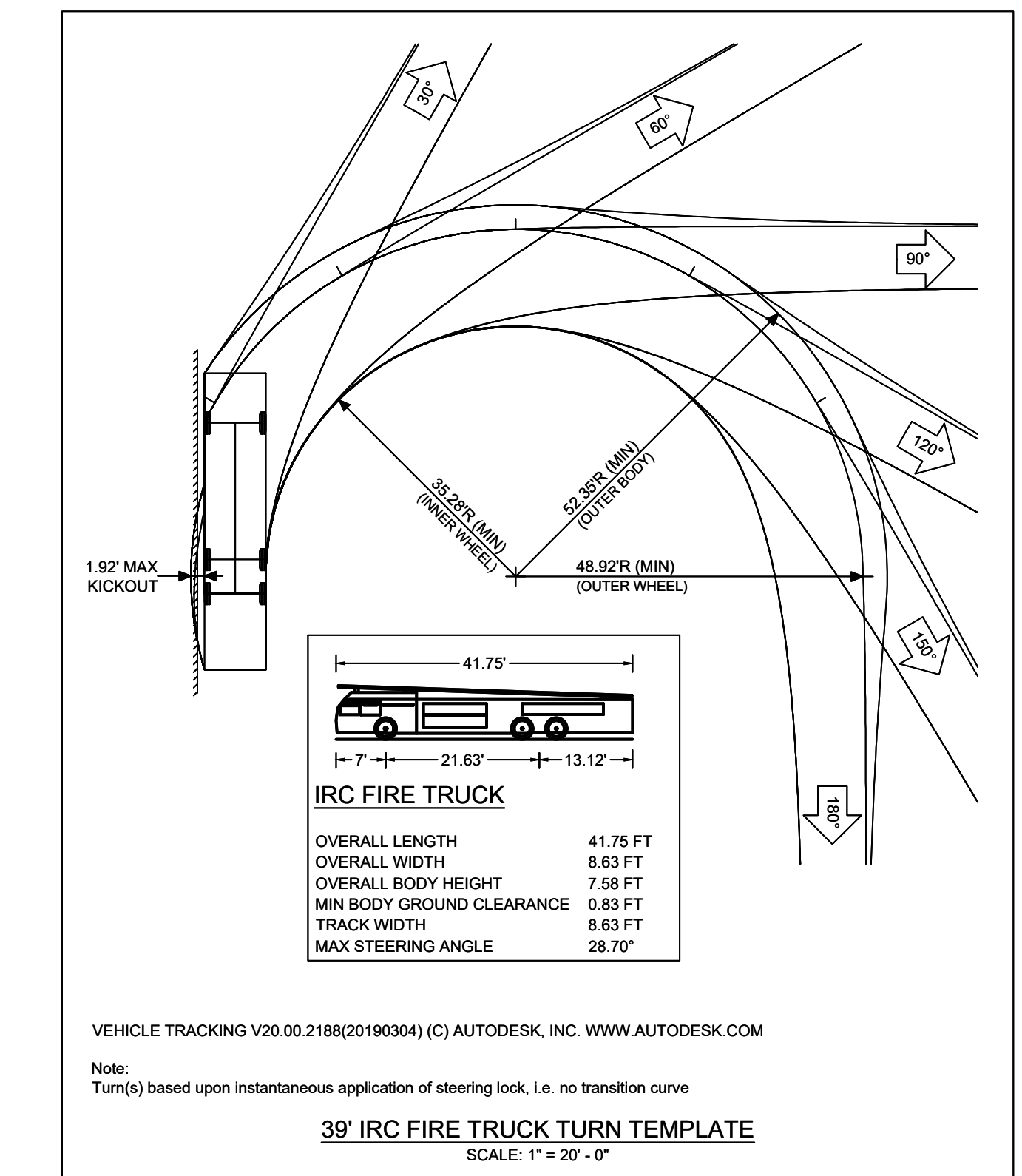
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 CIVIL & STRUCTURAL ENGINEERING • LAND PLANNING • ENVIRONMENTAL PERMITTING
 CERTIFICATION OF AUTHORIZATION NO.: 00008668
 1717 INDIAN RIVER BLVD., SUITE 201 VERO BEACH, FLORIDA 32960
 TEL 772-770-9622 FAX 772-770-9496 EMAIL jbittle@sbsengineers.com
 WEBSITE https://www.sbsengineers.com

CROSS SECTION
 BRIDGE
 MARKETPLACE



JOAH B. BITTLE
 FL REG. NO. 57396
 DATE:
 PROJECT NO. 21-037
 SHEET 08

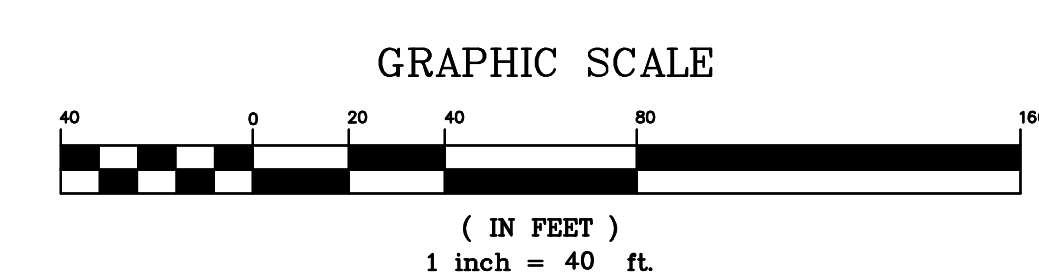


PARCEL ID: 20000000000000000000
OWNER: S. WILSON (CMB 2700, 249)

PARCEL ID: 20000000000000000000
OWNER: S. WILSON (CMB 2700, 249)

PARCEL ID: 20000000000000000000
OWNER: S. WILSON (CMB 2700, 249)

PARCEL ID: 20000000000000000000
OWNER: S. WILSON (CMB 2700, 249)



DATE	REVISION	MARK

DRAWING 21-037 CONST.

CHECKED: JBB
DESIGNED: JBB
DRAWN: JBB

DATE 10/14/21
SCALE 1:40

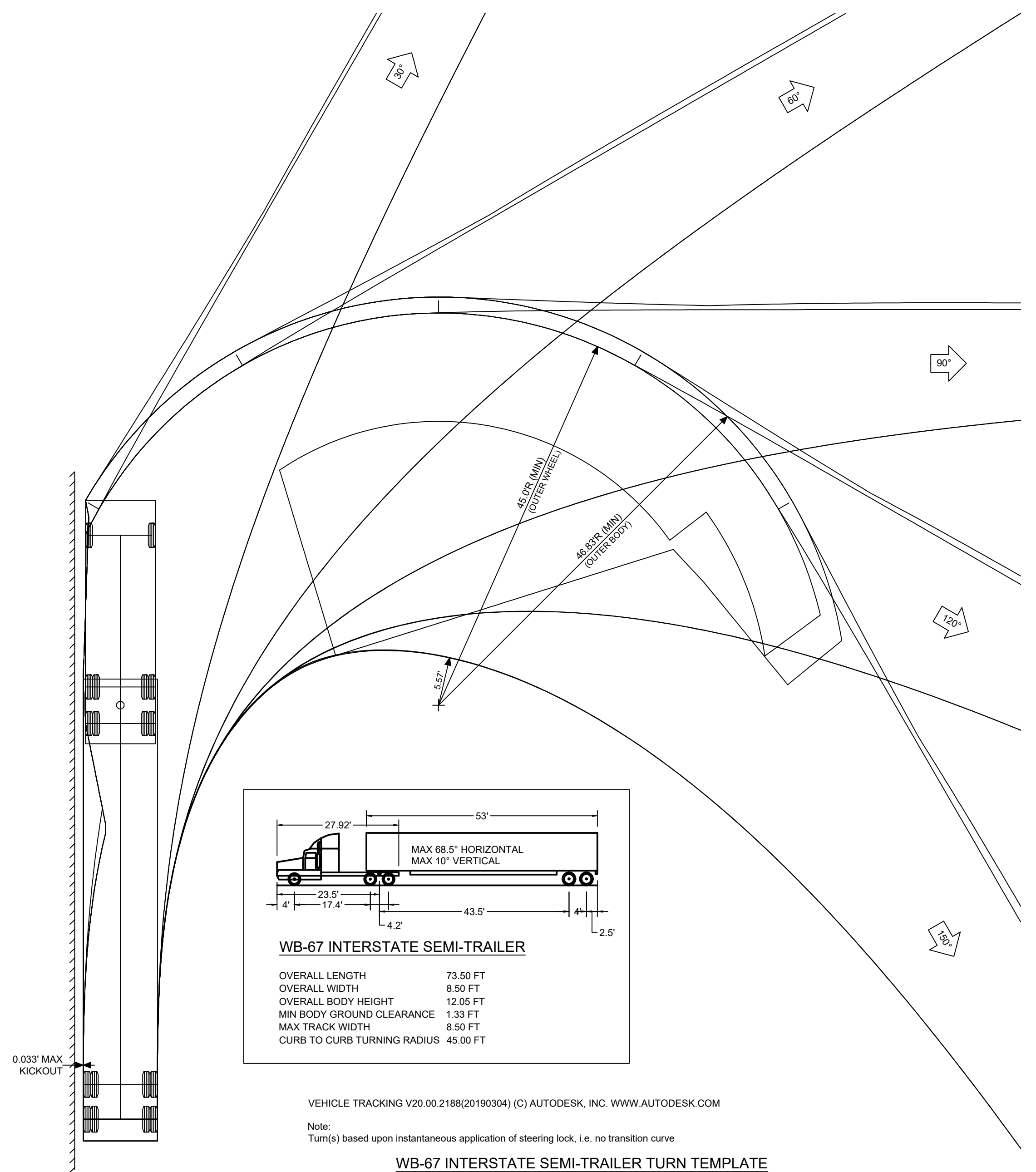
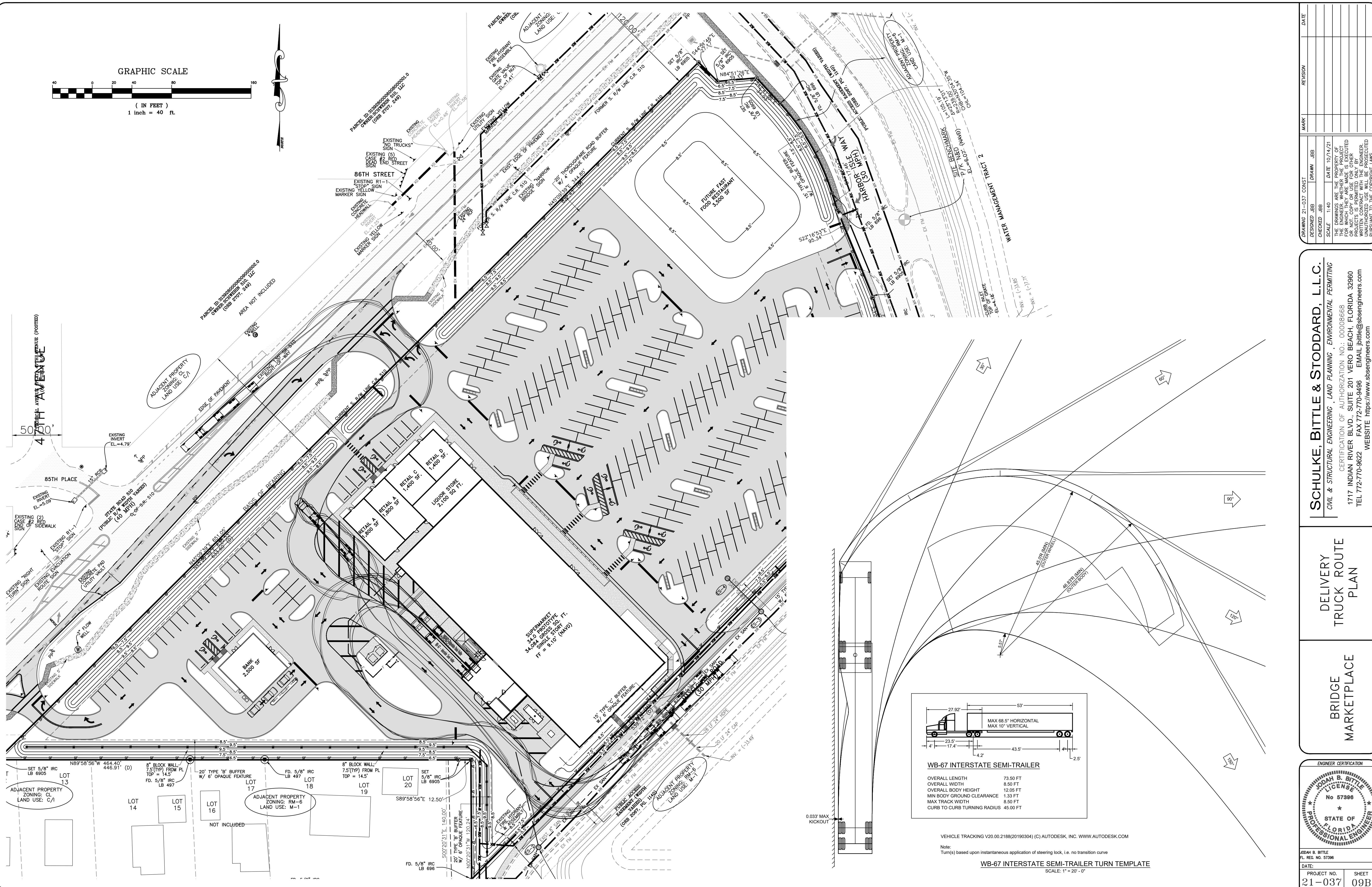
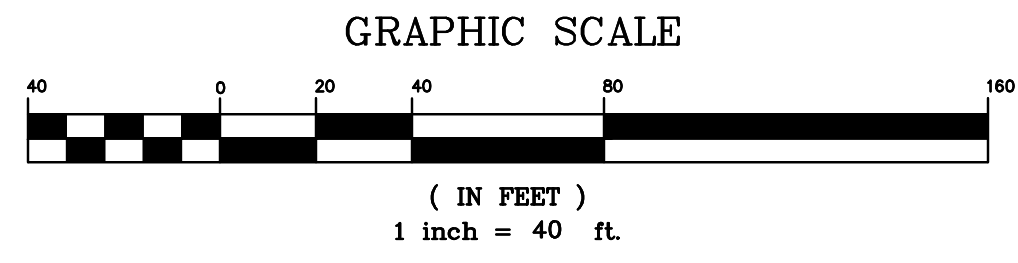
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1717 INDIAN RIVER BLVD., SUITE 201 VERO BEACH, FLORIDA 32960
TEL 772-770-9496 FAX 772-770-9496 EMAIL jbittle@sbsengineers.com
WEBSITE https://www.sbsengineers.com

**FIRE TRUCK
ROUTE PLAN**

ENGINEER CERTIFICATION

JODAH B. BITTLE
FL. REG. NO. 57398
DATE: 10/14/21
PROJECT NO. 21-037 SHEET 09A

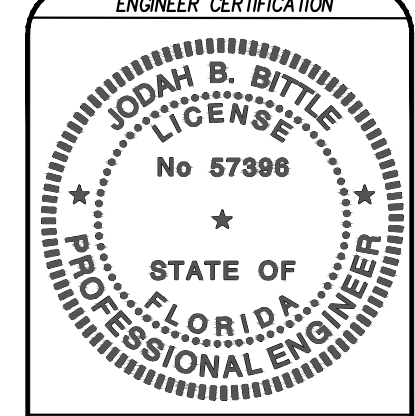


MARK	REVISION	DATE

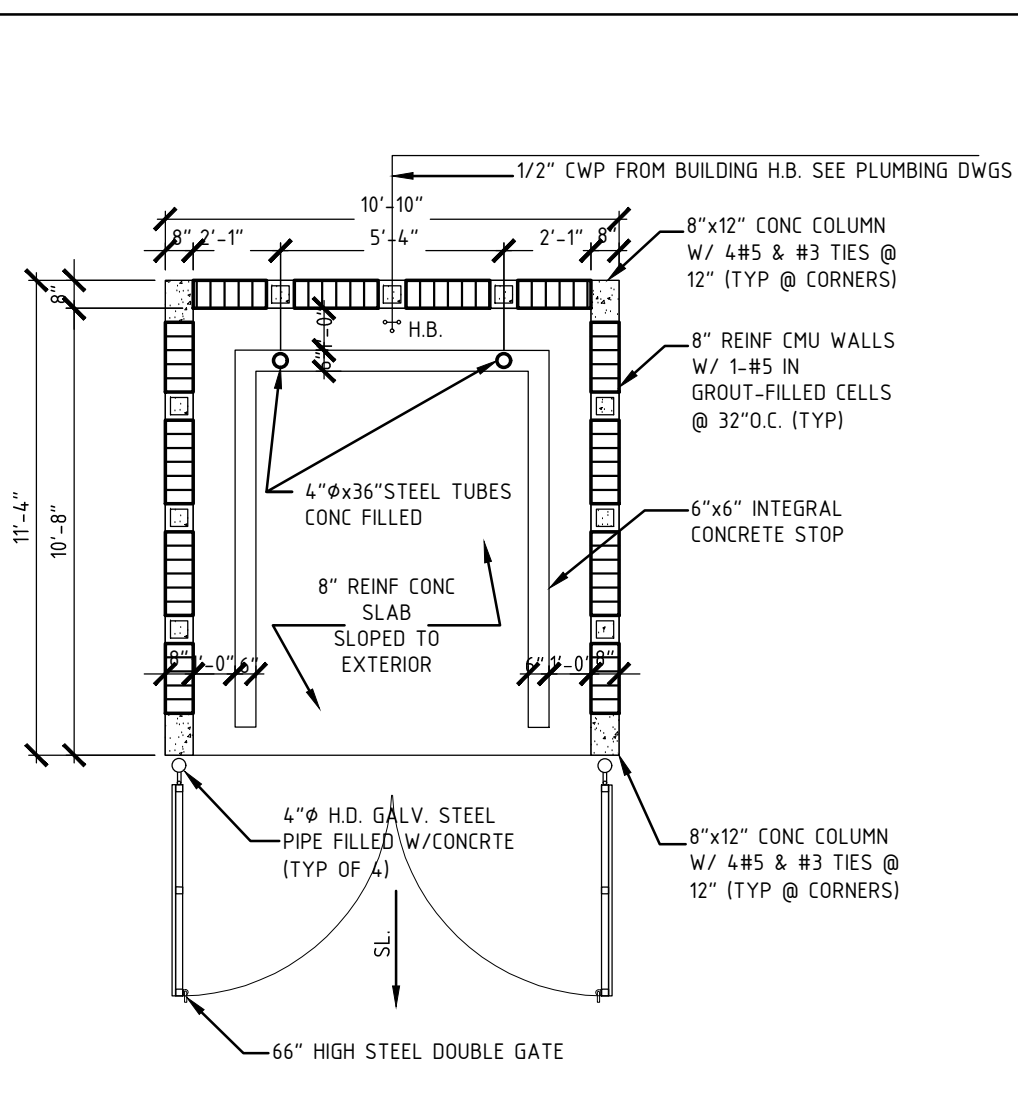
SCHULKE, BITTLE & STODDARD, L.L.C.
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 CERTIFICATION OF AUTHORIZATION NO.: 00008668
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DELIVERY TRUCK ROUTE PLAN

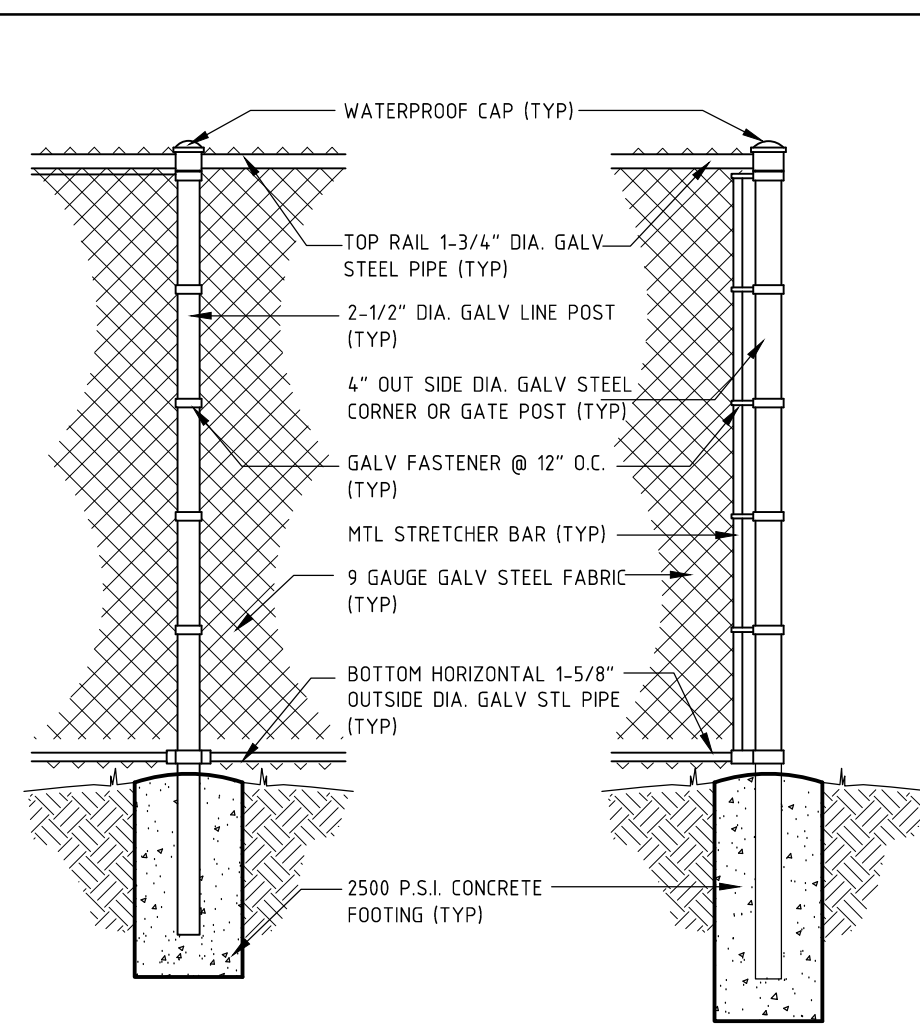
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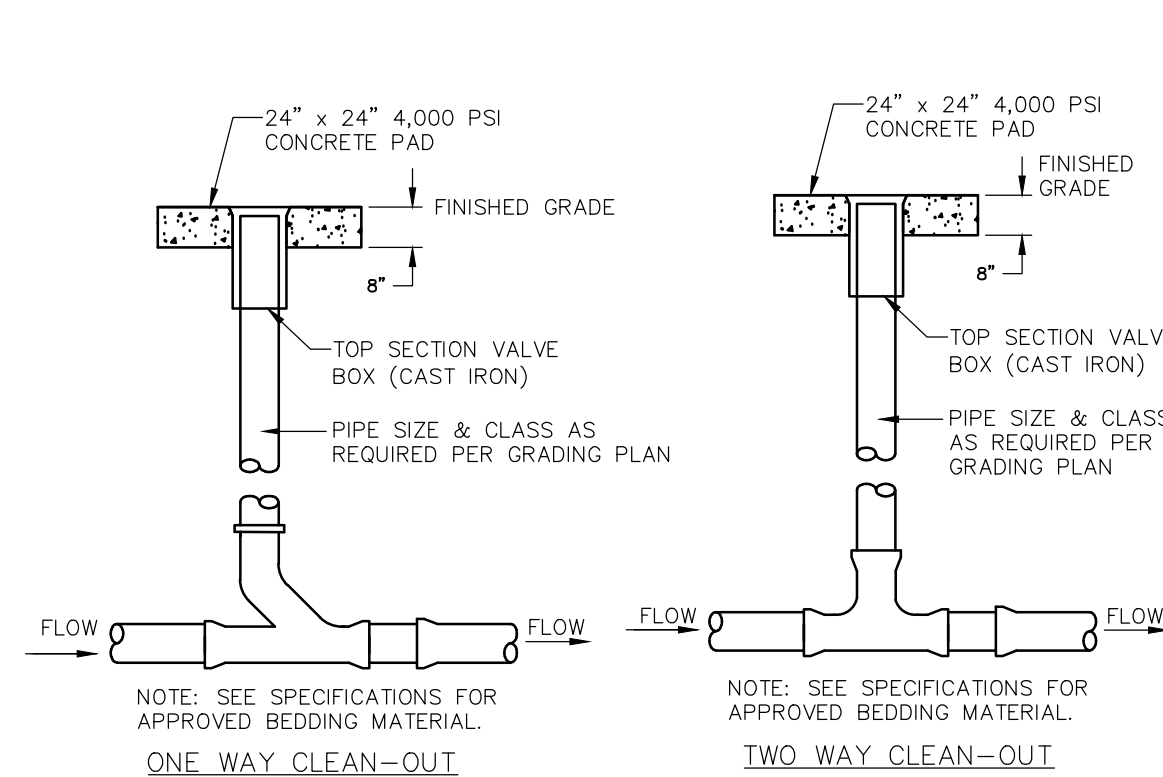
ADAM B. BITTLE
 P.L. REG. NO. 57398
 DATE: _____
 PROJECT NO. 21-037 SHEET 09B



DUMPSTER PLAN

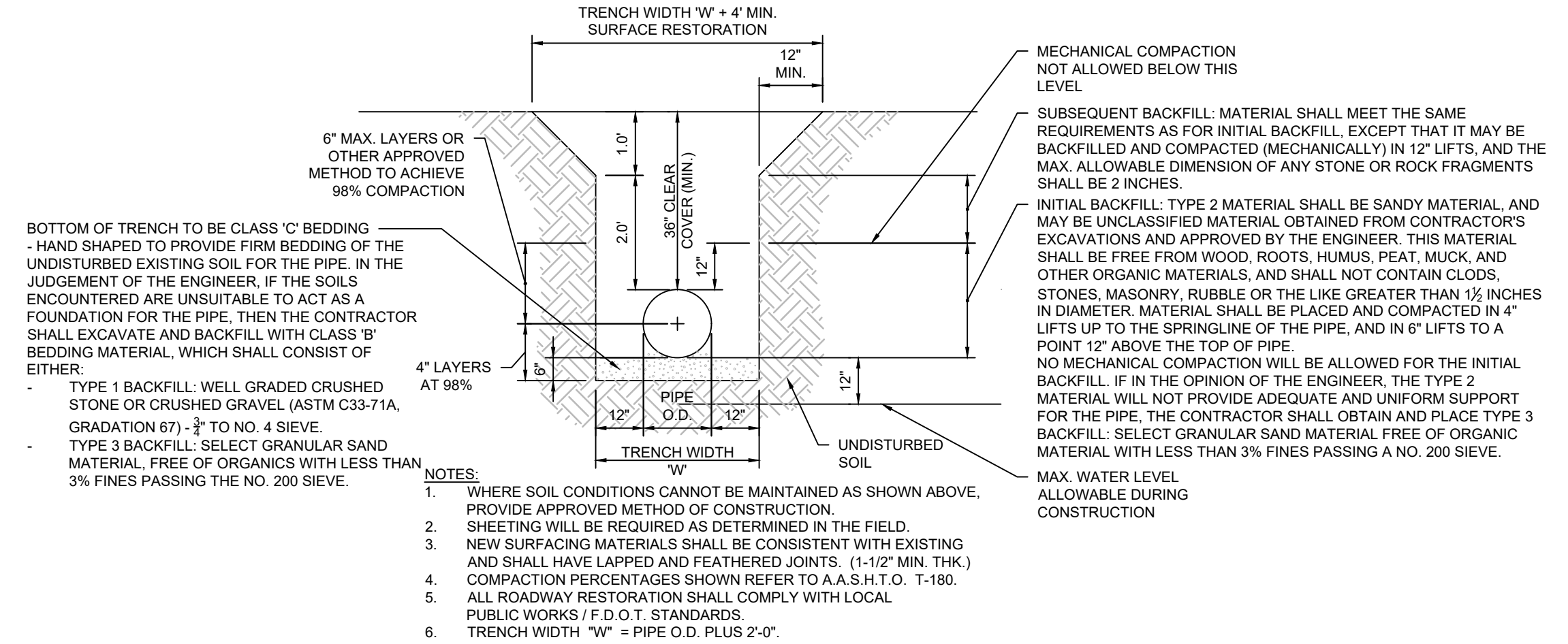


6' HIGH CHAIN LINK FENCE DETAIL

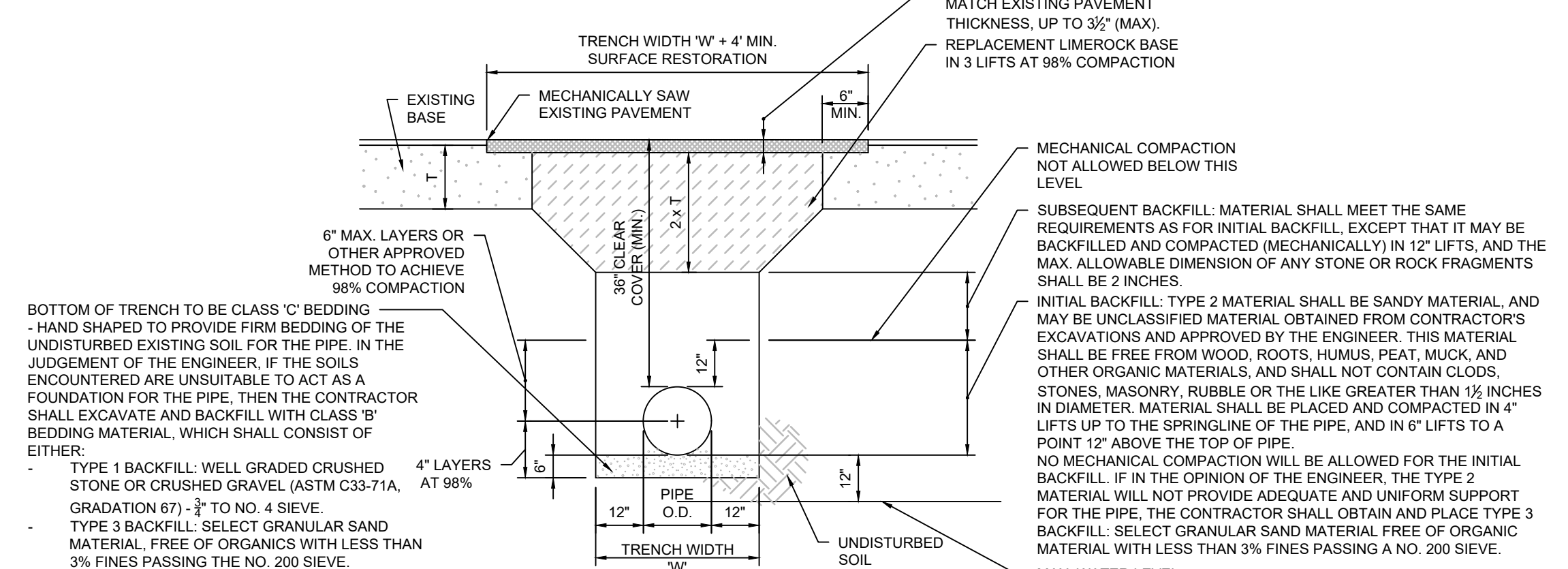


CLEAN OUT DETAIL

NTS



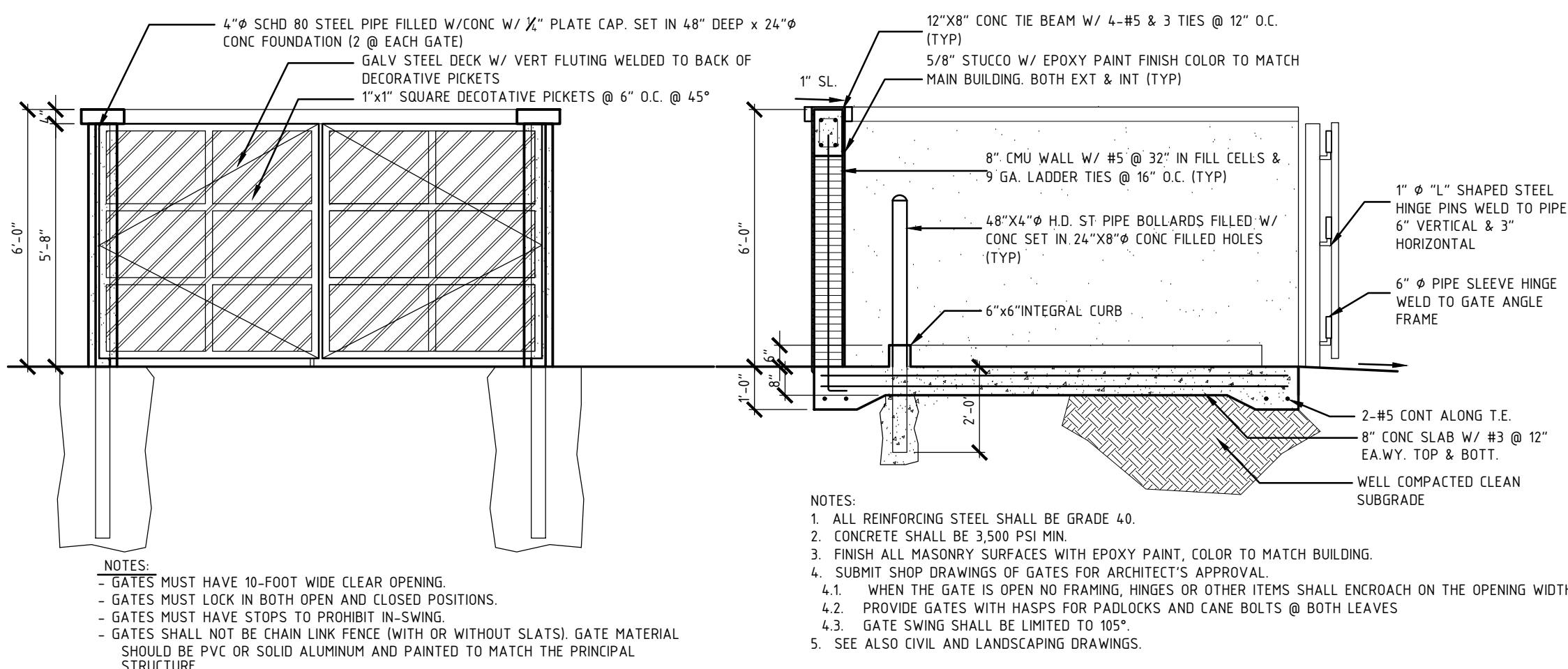
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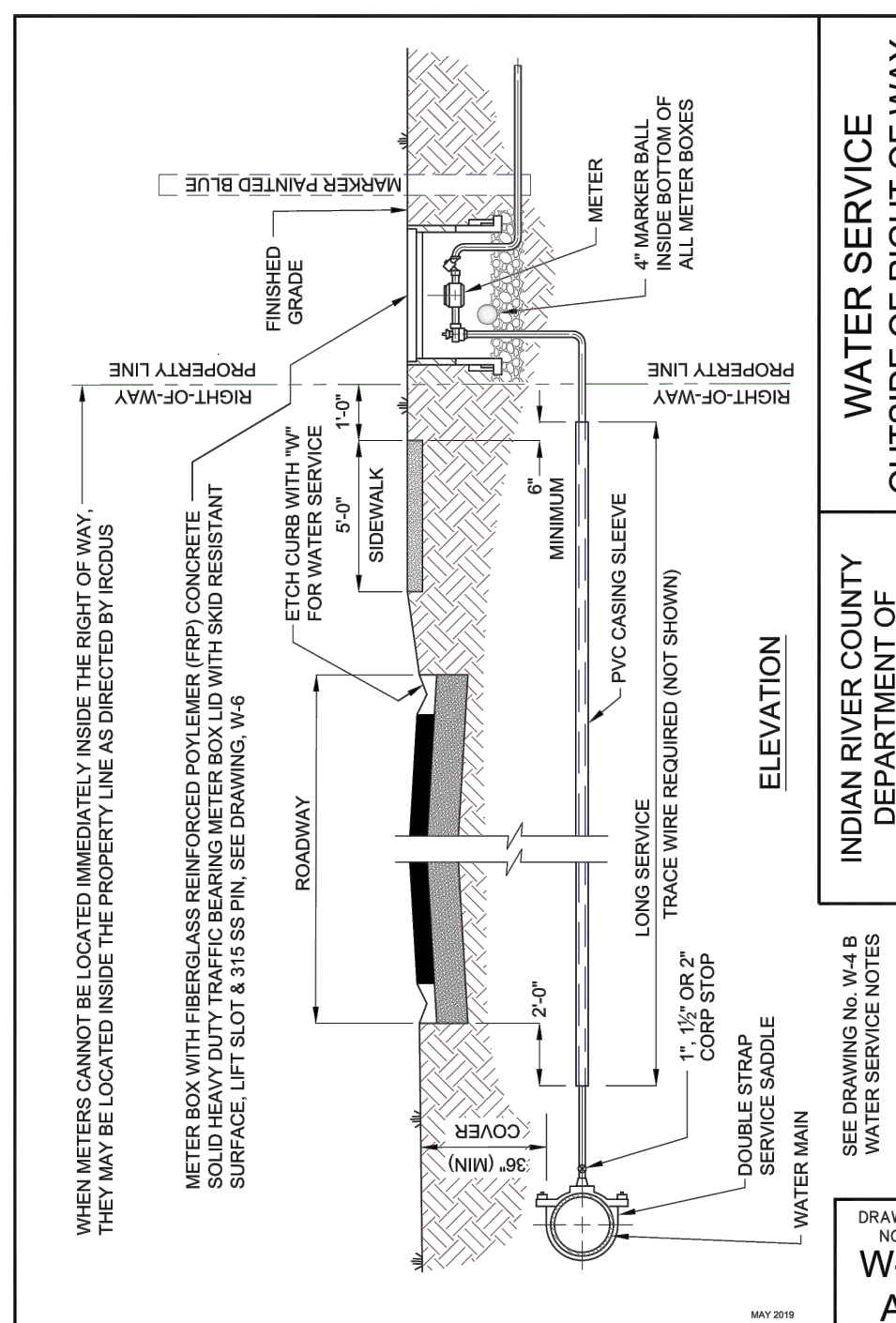
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TRENCH DETAIL

NTS



DUMPSTER ELEVATION AND SECTION



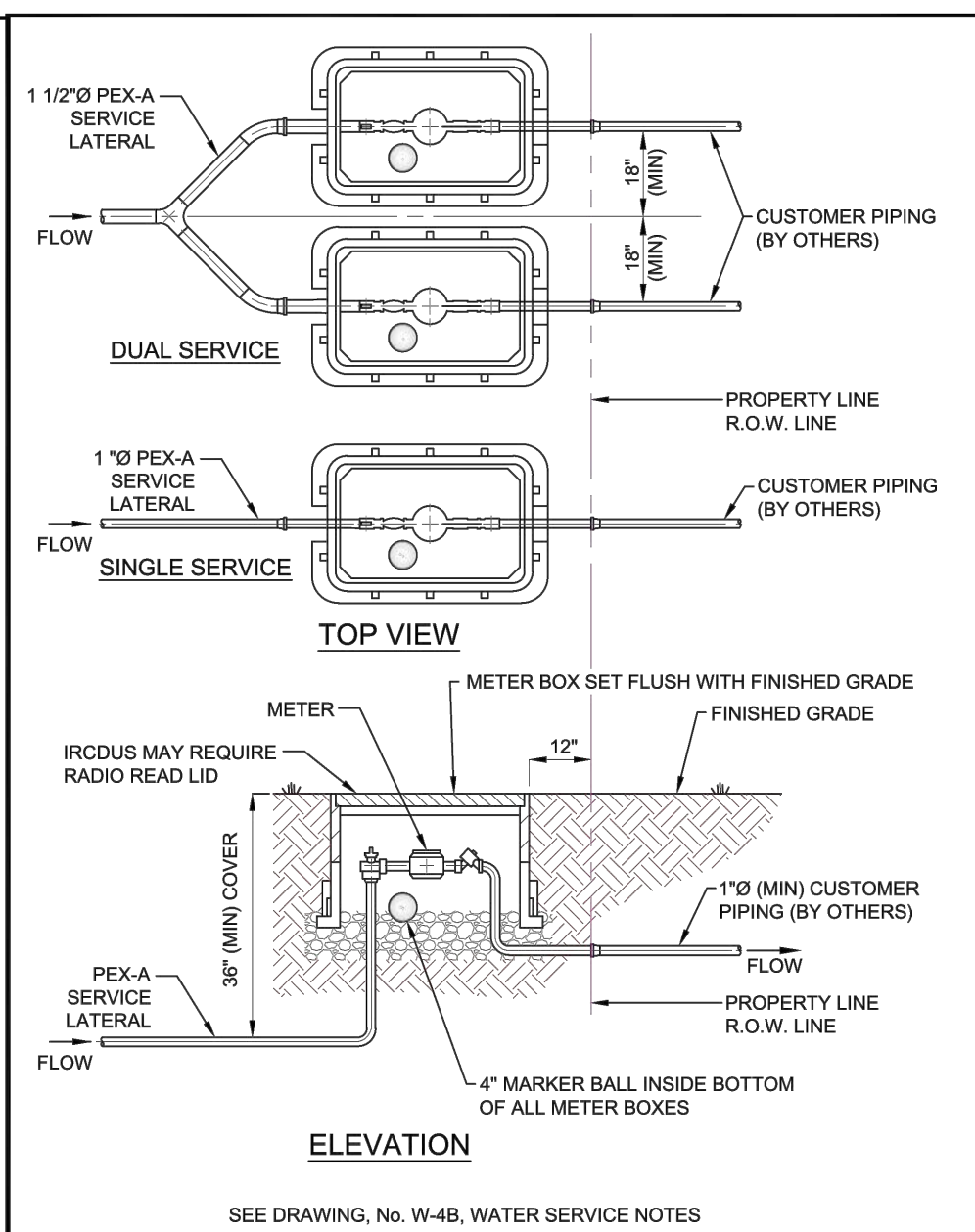
WATER SERVICE OUTSIDE OF RIGHT OF WAY

ELEVATION INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES

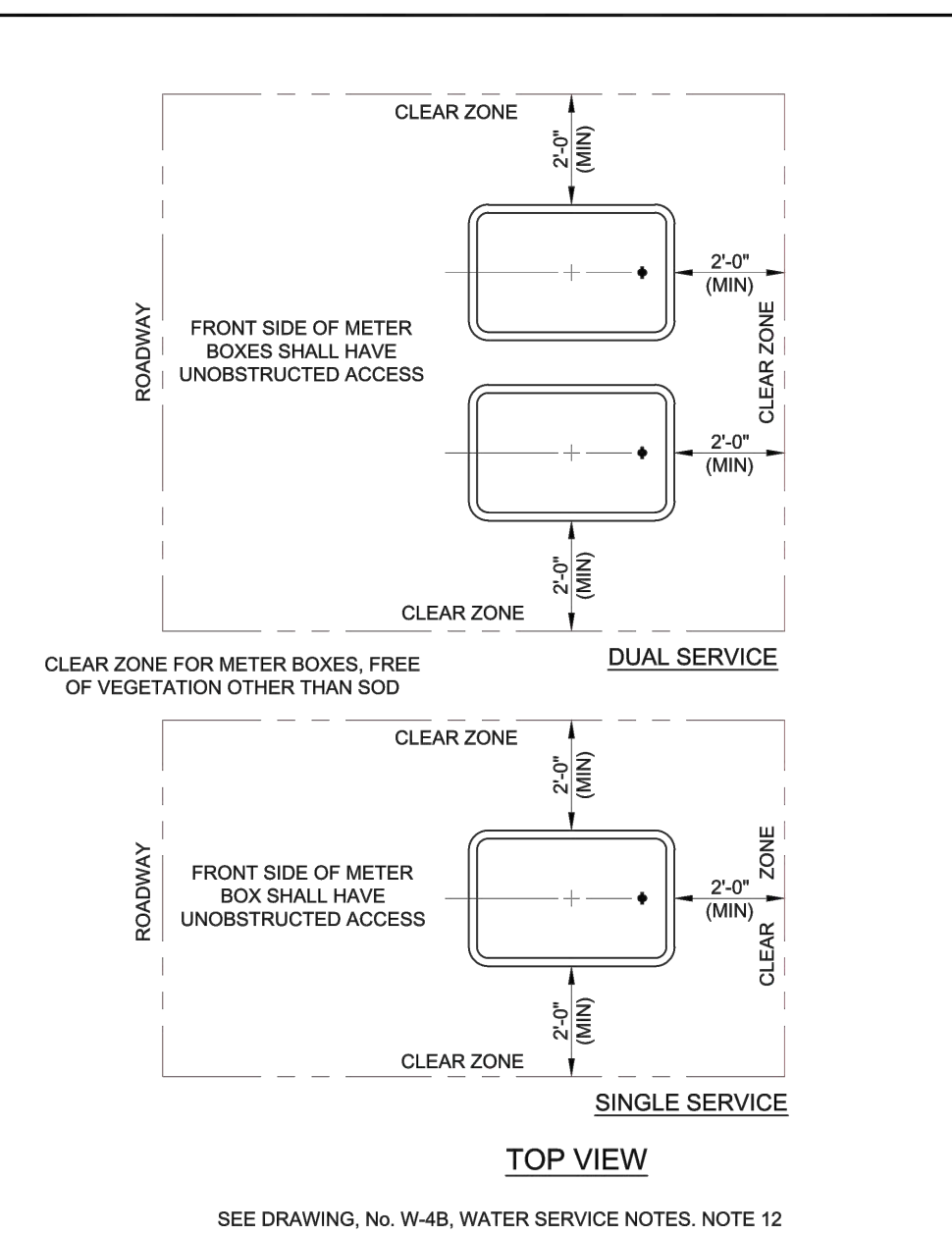
DRAWING NO. W-4 A

- NOTES:
- SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE A MINIMUM OF 18" ON CENTER.
 - ALL SERVICES REQUIRE 36" MINIMUM COVER.
 - MINIMUM SERVICE SIZE SHALL NOT BE LESS THAN 1" Ø. DUAL SERVICES SHALL BE A MINIMUM OF 1 1/2" Ø. TRIPLE SERVICES SHALL BE 1" MINIMUM OF 2" Ø. QUADRUPLE SERVICES SHALL BE APPROVED BY IRCUDS.
 - 1" Ø & 1 1/2" Ø LONG SERVICES REQUIRE A 2" MINIMUM I.D. CASING SLEEVE. 2" Ø LONG SERVICES REQUIRE A 3" MINIMUM CASING SLEEVE. CASING SLEEVE SHALL BE SCHEDULE 40 P.V.C.
 - ALL METERS 2" Ø OR SMALLER SHALL BE SUPPLIED AND INSTALLED BY IRCUDS. ALL METERS GREATER THAN 2" Ø SHALL BE SUPPLIED AND INSTALLED BY THE DEVELOPER PROPERTY OWNER. REFER TO APPROVED MANUFACTURERS' PRODUCT LIST FOR METERS GREATER THAN 2" Ø.
 - PIN LOCKS WITH PLASTIC DUST CAPS SHALL BE PURCHASED BY THE DEVELOPER AND/OR CONTRACTOR AND SHALL BE INSTALLED ON ALL LOCKING CURB STOPS INSIDE METER BOX, SAMPLING POINTS, AND WATER SERVICE CONNECTIONS AT THE TIME OF ACTIVATING ALL WATER MAINS OR AT SUCH TIME AS DIRECTED BY IRCUDS.
 - CURB STOPS SHALL BE THE SAME SIZE AS THE METERS THAT ARE INSTALLED.
 - TRACE WIRE TO BE INSTALLED AS PER DRAWING, No. M-14, TRACE WIRE DETAILS.
 - PLACE A 4" ELECTRONIC MARKER BALL INSIDE BOTTOM OF ALL METER BOXES.
 - ALL RESIDENTIAL AND ONE ERU SERVICES SHALL BE 60" METERS.
 - OPEN BOTTOM AND PRE-PLUMBED (ENCLOSED) METER BOXES ARE ACCEPTABLE.
 - ALL METER BOXES TO BE PER IRCUDS APPROVED MANUFACTURERS' PRODUCT LIST.
 - AN UNOBSTRUCTED CLEAR ZONE IS REQUIRED AROUND ALL METER BOXES. (SEE DRAWING, No. W-6 A)

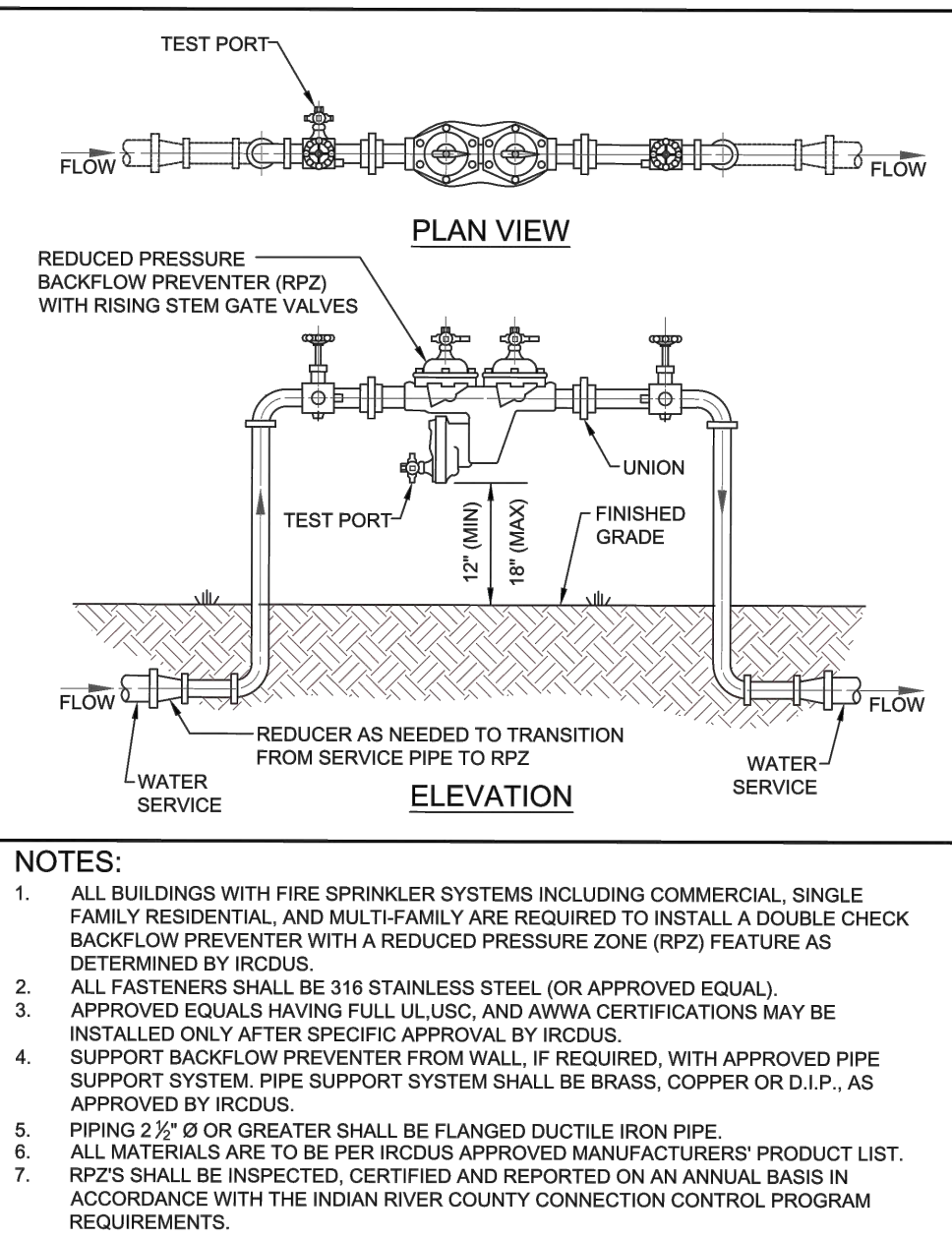
INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES WATER SERVICE NOTES



INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES METER BOX INSTALLATION



INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES METER BOX ACCESS



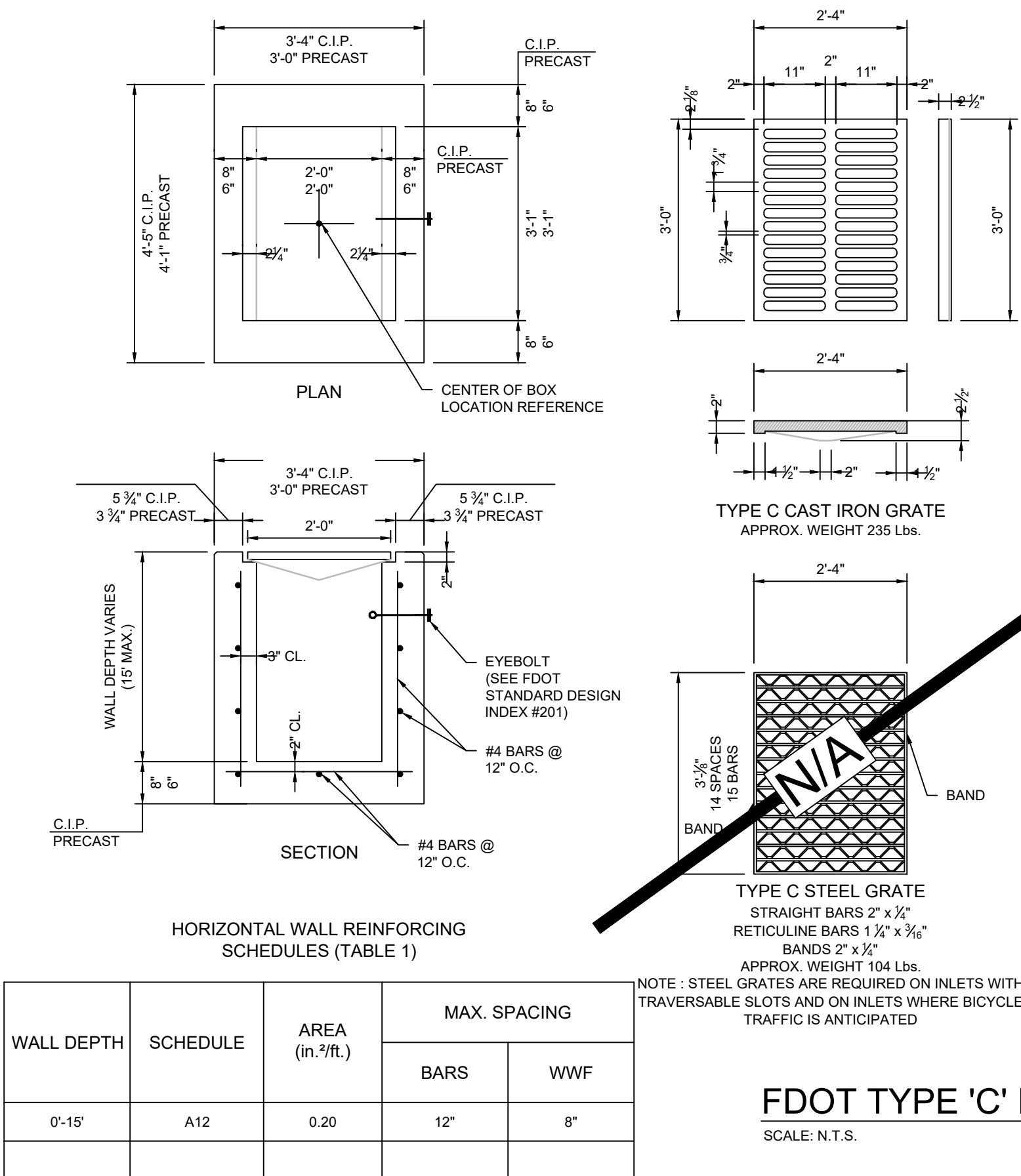
INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES REDUCED PRESSURE BACKFLOW PREVENTER RPZ

DATE	
REVISION	
MARK	
DRAWING NO. - ISS. CONST.	
DESIGNED JEB	DRAWN JEB
CHECKED JEB	
SCALE	DATE 06/01/21
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 TEL 772-770-9622 FAX 772-770-9496 EMAIL jbittle@sbsengineers.com
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MISCELLANEOUS DETAILS
 BRIDGE MARKETPLACE

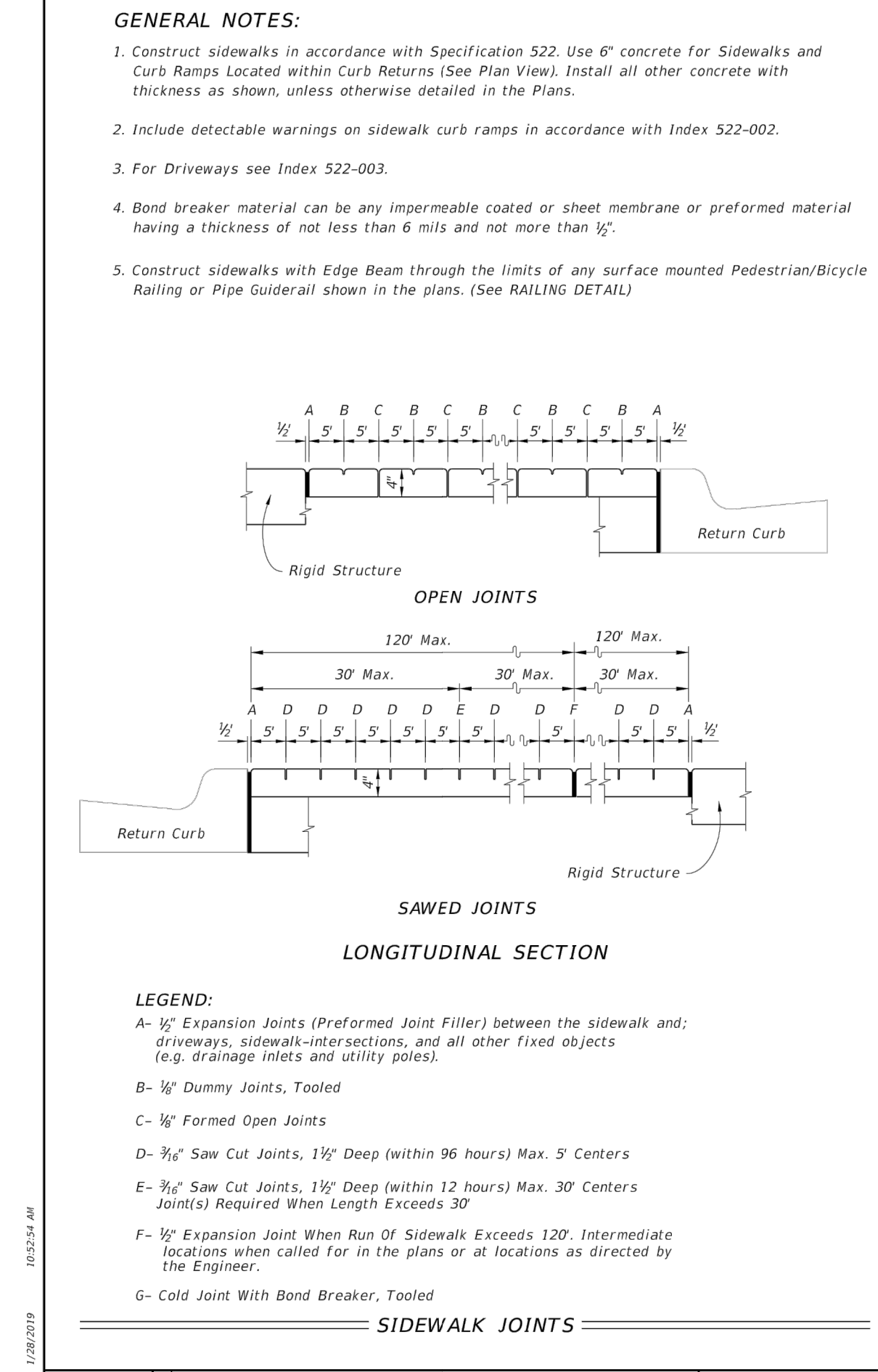
ENGINEER CERTIFICATION
 JOHANN B. BITTLE
 FL REG. NO. 57398
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER



GENERAL NOTES:

- THESE INLETS ARE SUITABLE FOR BICYCLE TRAFFIC AND ARE TO BE USED IN DITCHES, MEDIANS AND OTHER AREAS SUBJECT TO INFREQUENT TRAFFIC LOADINGS BUT ARE NOT TO BE PLACED IN AREAS SUBJECT TO ANY HEAVY WHEEL LOADS. THESE INLETS MAY BE PLACED IN AREAS SUBJECT TO OCCASIONAL PEDESTRIAN TRAFFIC SUCH AS LANDSCAPED AREAS AND PAVEMENT AREAS WHERE PEDESTRIANS CAN WALK AROUND THE INLET.
- INLETS SUBJECT TO MINIMAL DEBRIS SHOULD BE CONSTRUCTED WITHOUT SLOTS. WHERE DEBRIS IS A PROBLEM INLETS SHOULD BE CONSTRUCTED WITH SLOTS. SLOTTED INLETS LOCATED WITHIN ROADWAY CLEAR ZONES AND AREAS SUBJECT TO PEDESTRIANS SHALL HAVE TRAVERSABLE SLOTS. THE TRAVERSABLE SLOT MODIFICATION IS NOT ADAPTABLE TO INLET TYPE H. SLOTS MAY BE CONSTRUCTED AT EITHER OR BOTH ENDS AS SHOWN ON PLANS. TRAVERSABLE SLOTS SHALL NOT BE USED IN AREAS SUBJECT TO OCCASIONAL BICYCLE TRAFFIC.
- STEEL GRATES ARE TO BE USED ON ALL INLETS WHERE BICYCLE TRAFFIC IS ANTICIPATED. STEEL GRATES ARE TO BE USED ON ALL INLETS WITH TRAVERSABLE SLOTS. EITHER CAST IRON OR STEEL GRATES MAY BE USED ON INLETS WITHOUT SLOTS WHERE BICYCLE TRAFFIC IS NOT ANTICIPATED. EITHER CAST IRON OR STEEL GRATES MAY BE USED ON ALL INLETS WITH NON-TRAVERSABLE SLOTS. SUBJECT TO THE SELECTION DESCRIBED ABOVE, WHEN ALTERNATIVE G GRATE IS SPECIFIED IN THE PLANS, EITHER THE STEEL GRATE, HOT DIP GALVANIZED AFTER FABRICATION, OR THE CAST IRON GRATE MAY BE USED, UNLESS THE PLANS STIPULATE THE PARTICULAR TYPE.
- RECOMMENDED MAXIMUM PIPE SIZES SHOWN ARE FOR CONCRETE PIPE. SIZE FOR OTHER TYPES OF PIPE MUST BE CHECKED FOR FIT.
- ALL EXPOSED EDGES AND CORNERS SHALL BE 1/4" CHAMFER OR TOOLED TO 1/4" RADIUS.
- CONCRETE INLET PAVEMENT TO BE USED ON INLETS WITHOUT SLOTS AND INLETS WITH NON-TRAVERSABLE SLOTS ONLY WHEN CALLED FOR IN THE PLANS, BUT REQUIRED ON ALL TRAVERSABLE SLOT INLETS. COST TO BE INCLUDED IN CONTRACT UNIT PRICE FOR INLETS. QUANTITIES SHOWN ARE FOR INFORMATION ONLY.
- TRAVERSABLE SLOTS CONSTRUCTED IN EXISTING INLETS SHALL BE PAID FOR AS INLETS PARTIAL FOR CONVERSION WORK AND METHOD OF PAYMENT SEE "TRAVERSABLE SLOT INLETS (PARTIAL) FOR EXISTING INLETS".
- SODDING TO BE USED ON ALL INLETS NOT LOCATED IN PAVED AREAS AND PAID FOR UNDER CONTRACT UNIT PRICE FOR PERFORMANCE TURF, SY.
- FOR SUPPLEMENTARY DETAILS SEE FDOT STANDARD INDEX DETAIL # 201.
- ALL REINFORCING IS GRADE 60 BARS WITH 2" MIN. COVER UNLESS OTHERWISE NOTED. BARS TO BE CUT OR BENT FOR 1-1/2" CLEARANCE AROUND PIPE OPENING. PROVIDE ONE ADDITIONAL #4 BAR ABOVE AND AT EACH SIDE OF PIPE OPENING.

TYPE C
RECOMMENDED MAXIMUM PIPE SIZE:
2'-0" WALL - 18" PIPE
3'-1" WALL - 24" PIPE (18" WHERE AN 18" PIPE ENTERS A 2'-0" WALL)

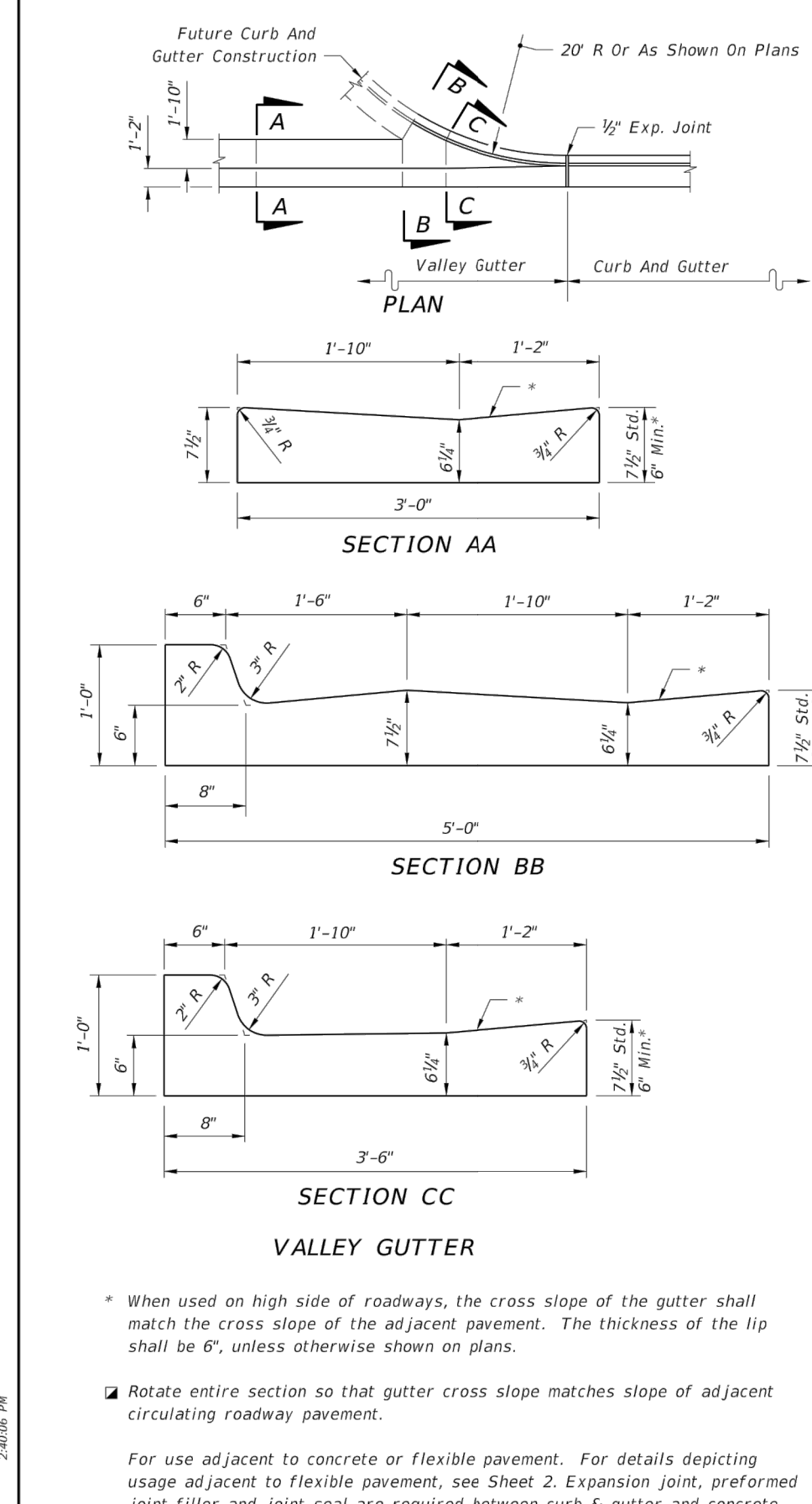


GENERAL NOTES:

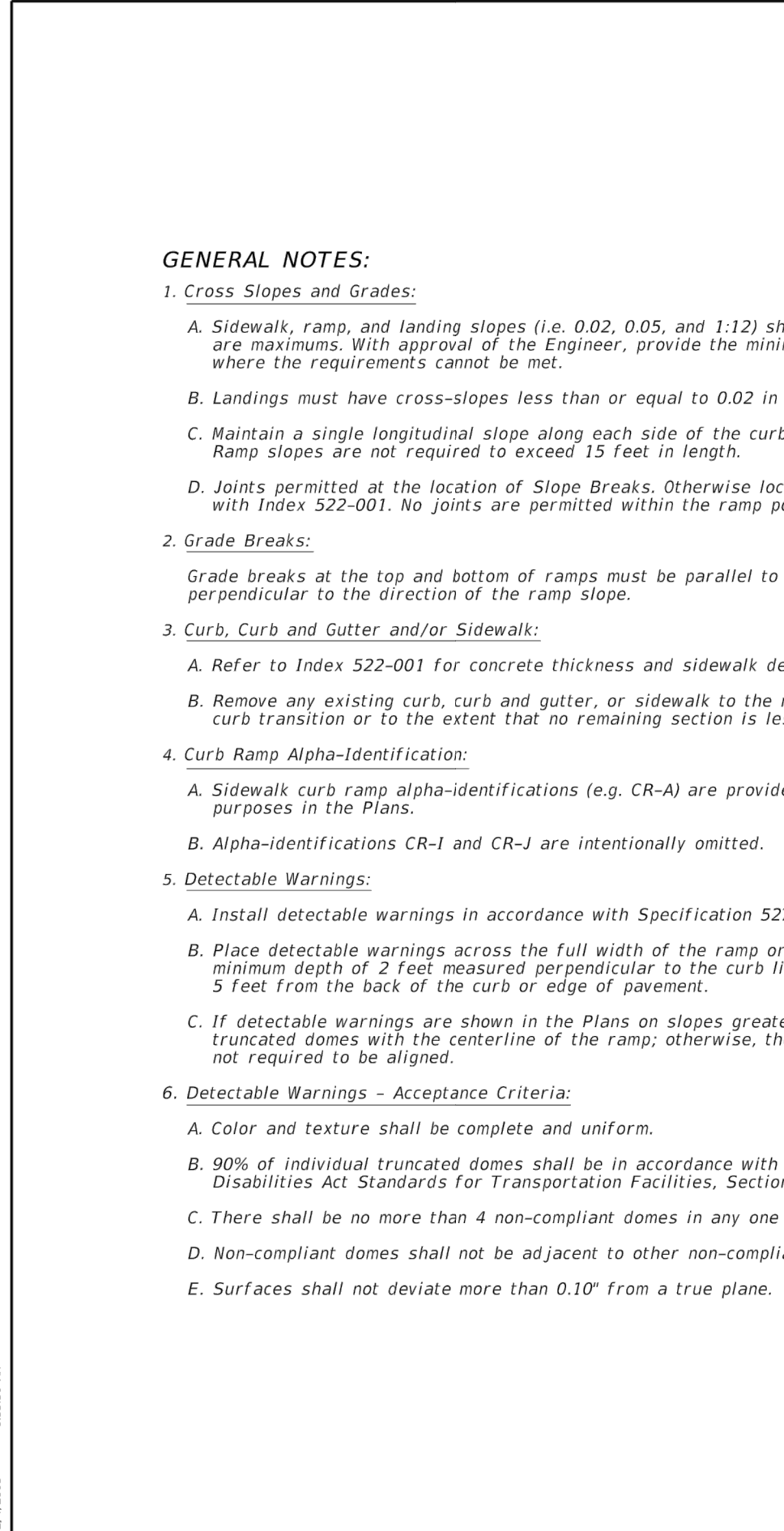
- Construct sidewalks in accordance with Specification 522. Use 6" concrete for Sidewalks and Curb Ramps Located within Curb Returns (See Plan View). Install all other concrete with thickness as shown, unless otherwise detailed in the Plans.
- Include detectable warnings on sidewalk curb ramps in accordance with Index 522-002.
- For Driveways see Index 522-003.
- Bond breaker material can be any impermeable coated or sheet membrane or preformed material having a thickness of not less than 6 mils and not more than 1/2".
- Construct sidewalks with Edge Beam through the limits of any surface mounted Pedestrian/Bicycle Railing or Pipe Gutter all shown in the plans. (See RAILING DETAIL)

LEGEND:
A- 1/2" Expansion Joints (Preformed Joint Filler) between the sidewalk and driveways, sidewalk-intersections, and all other fixed objects (e.g. drainage inlets and utility poles).
B- 1/2" Dummy Joints, Tooled
C- 1/2" Formed Open Joints
D- 3/8" Saw Cut Joints, 1 1/2" Deep (within 96 hours) Max. 3' Centers
E- 3/8" Saw Cut Joints, 1 1/2" Deep (within 12 hours) Max. 30' Centers (Joint(s) Required When Length Exceeds 30')
F- 1/2" Expansion Joint When Run Of Sidewalk Exceeds 120'. Intermediate locations when called for in the plans or at locations as directed by the Engineer.
G- Cold Joint With Bond Breaker, Tooled

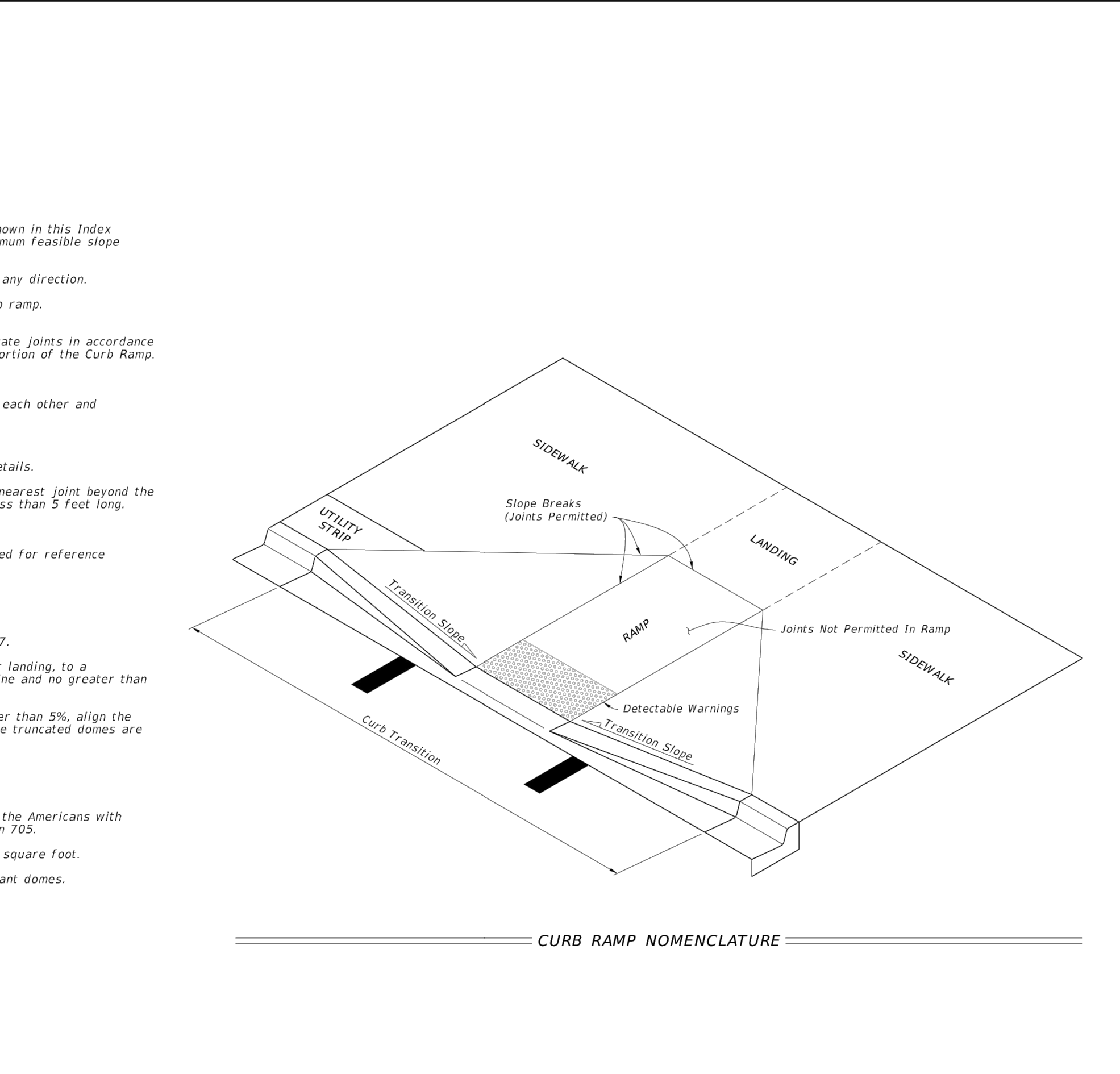
LAST REVISION 11/01/18	DESCRIPTION:	FDOT FY 2019-20 STANDARD PLANS	INDEX 522-001	SHEET 1 of 2
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VALLEY GUTTER
* When used on high side of roadways, the cross slope of the gutter shall match the cross slope of the adjacent pavement. The thickness of the lip shall be 6", unless otherwise shown on plans.
Rotate entire section so that gutter cross slope matches slope of adjacent circulating roadway pavement.
For use adjacent to concrete or flexible pavement. For details depicting usage adjacent to flexible pavement, see Sheet 2. Expansion joint, preformed joint filler and joint seal are required between curb & gutter and concrete pavement only, see Sheet 2.



CONCRETE CURB AND GUTTER
* When used on high side of roadways, the cross slope of the gutter shall match the cross slope of the adjacent pavement. The thickness of the lip shall be 6", unless otherwise shown on plans.
Rotate entire section so that gutter cross slope matches slope of adjacent circulating roadway pavement.
For use adjacent to concrete or flexible pavement. For details depicting usage adjacent to flexible pavement, see Sheet 2. Expansion joint, preformed joint filler and joint seal are required between curb & gutter and concrete pavement only, see Sheet 2.



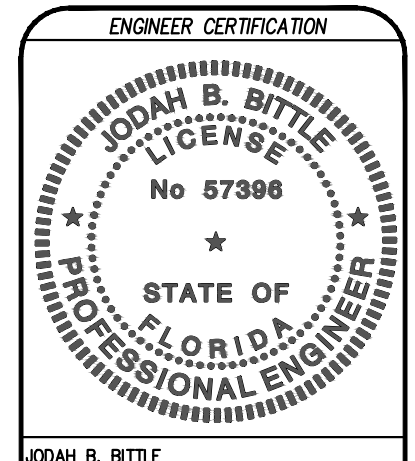
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DATE	REVISION	MARK	DESIGNED	CHECKED	DRAWN	JOB

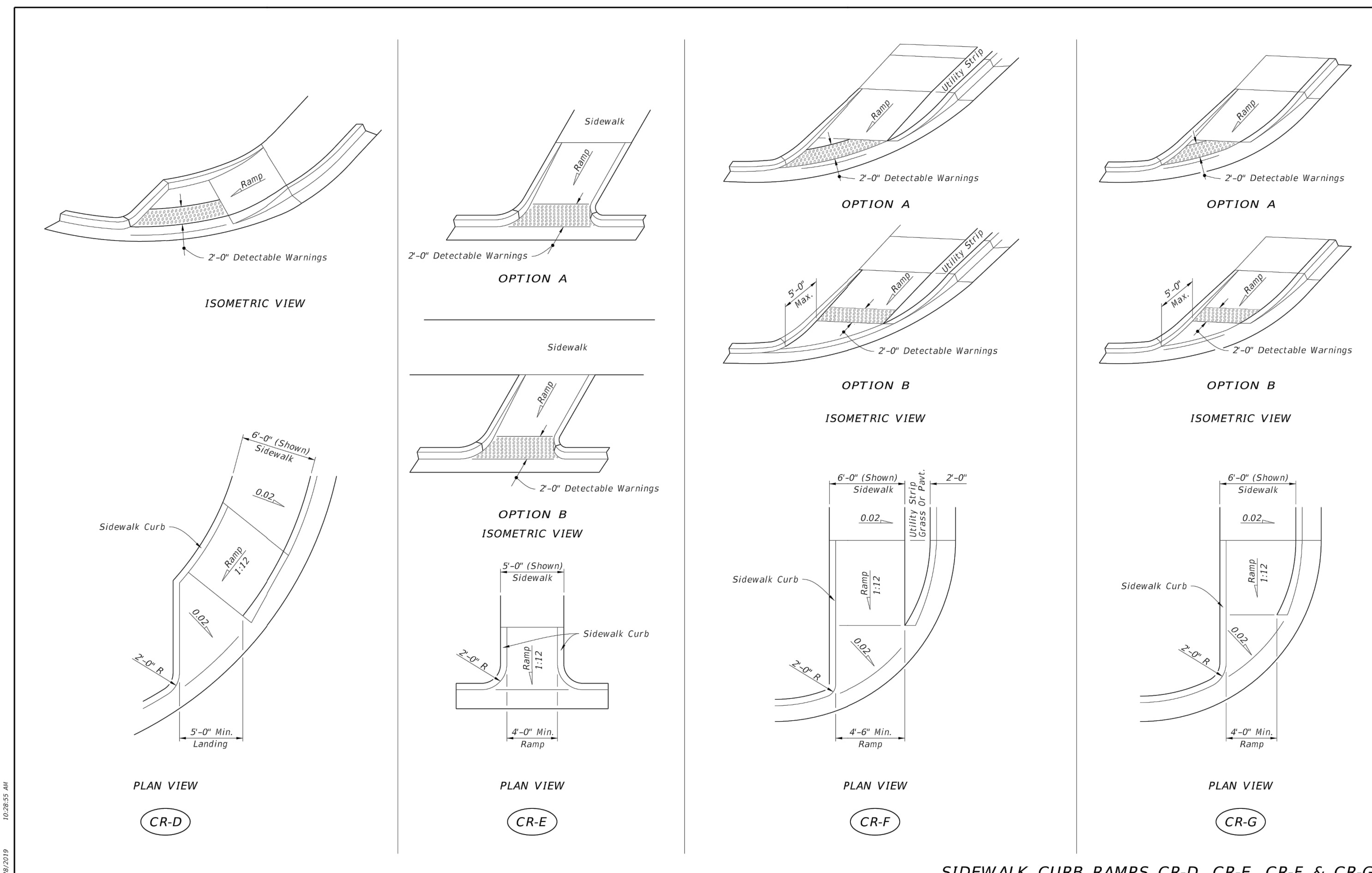
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1717 INDIAN RIVER BLVD., SUITE 201 VERO BEACH, FLORIDA 32980
TEL 772-770-9496 FAX 772-770-9496 EMAIL jbittle@sbseengineers.com
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**DRAINAGE AND
FDOT
MISCELLANEOUS
DETAILS**

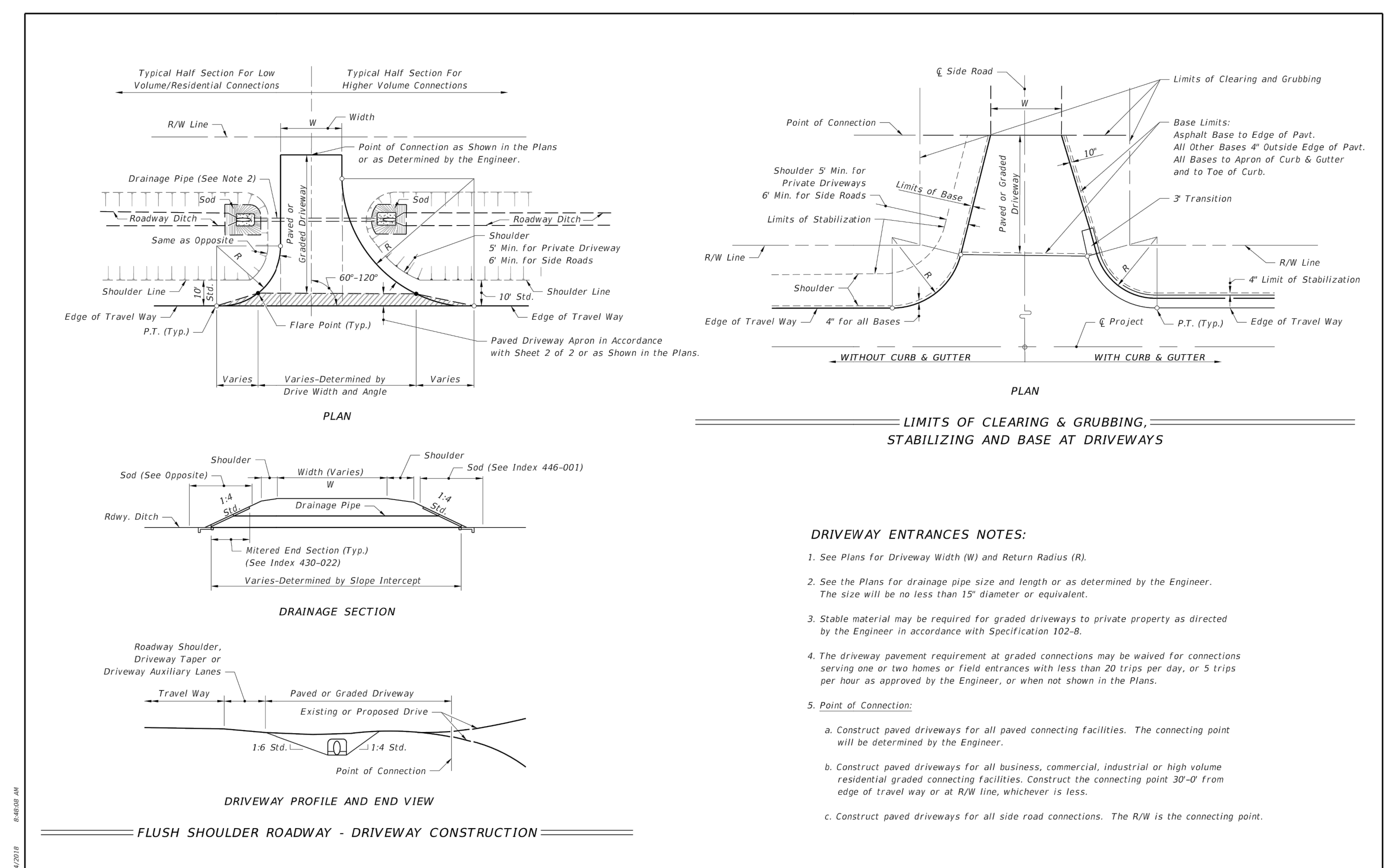
**BRIDGE
MARKETPLACE**



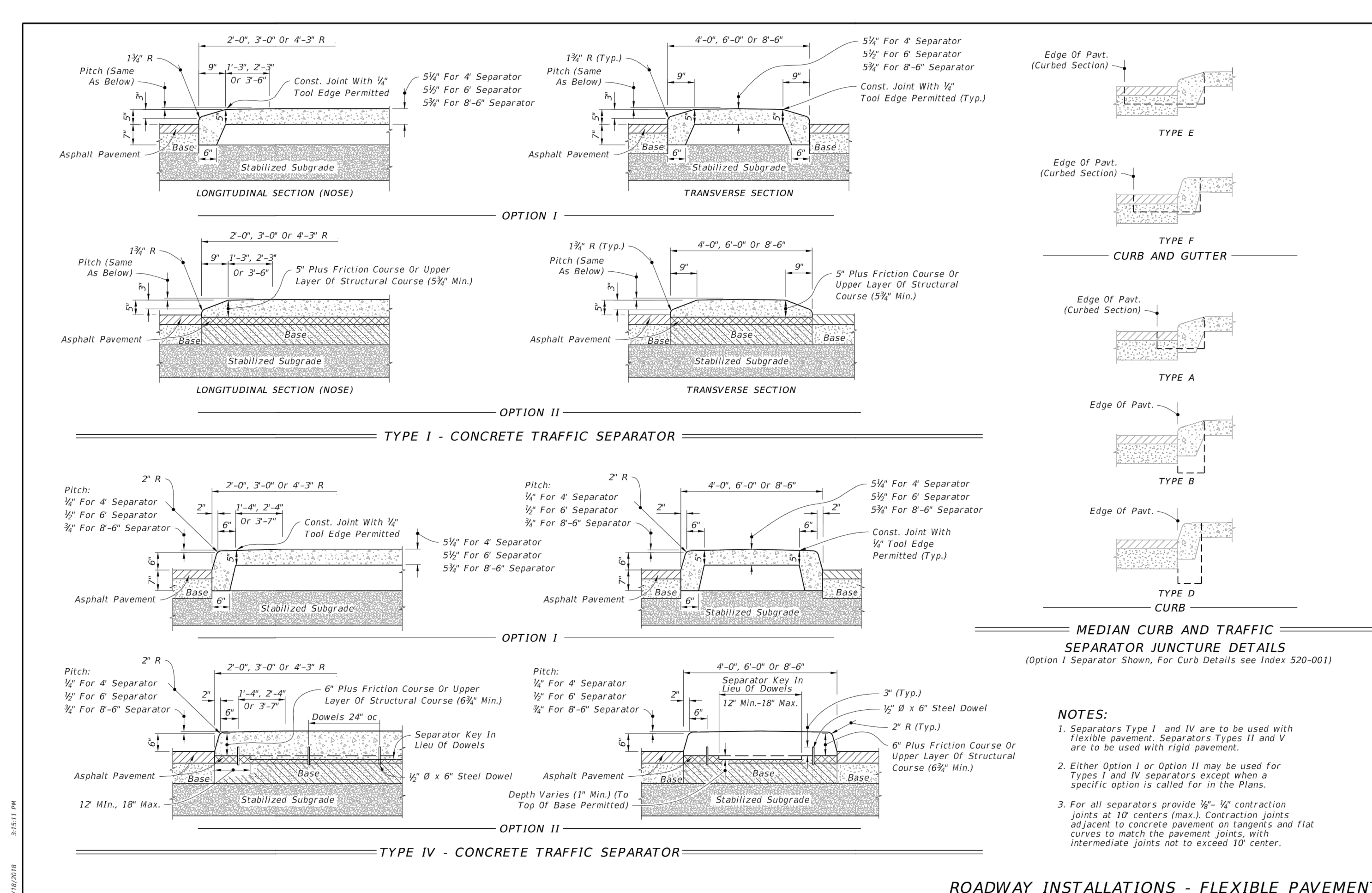
PROJECT NO. 21-037	SHEET 10C
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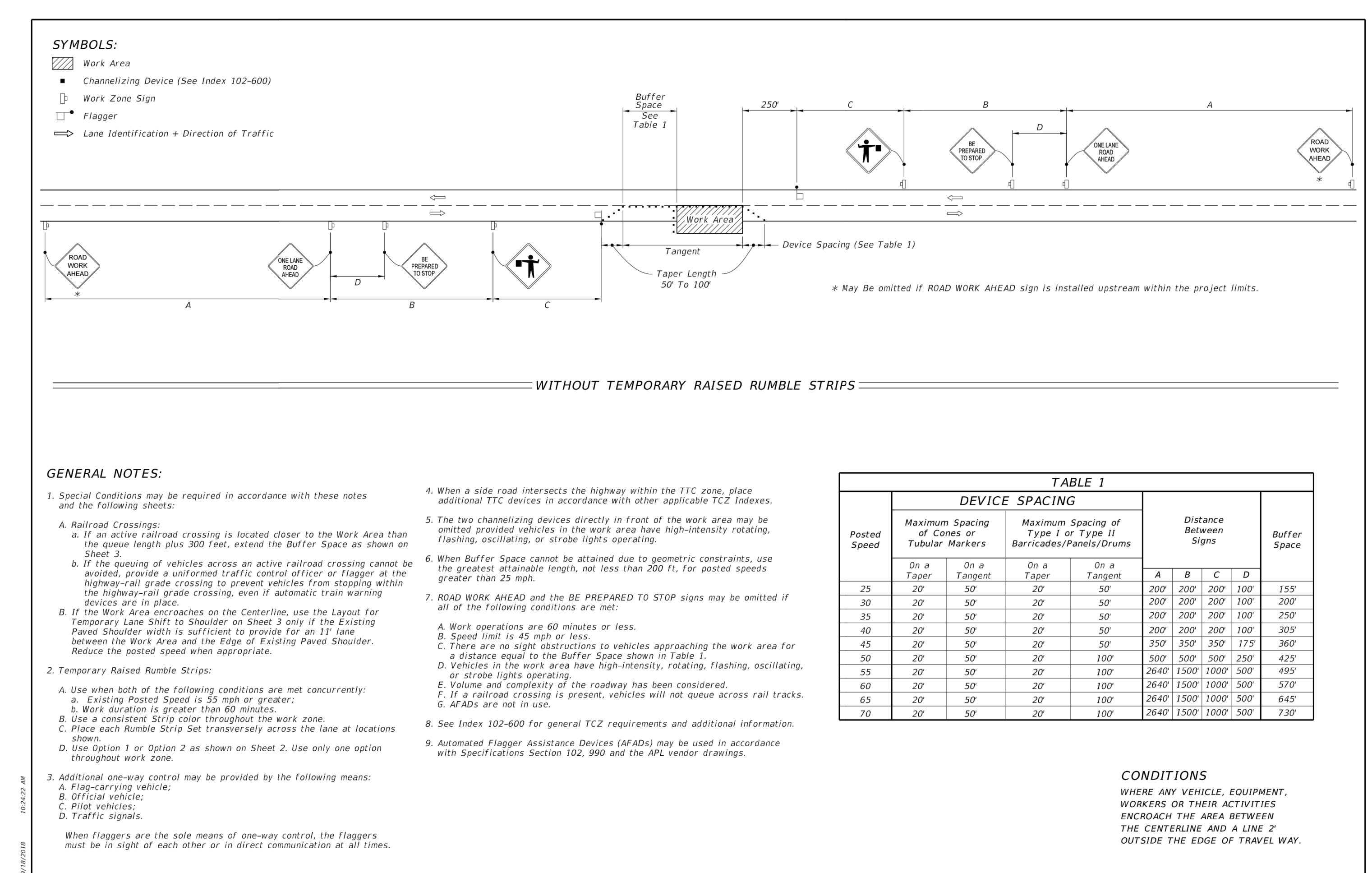
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LAST REVISION 11/01/18	DESCRIPTION: FY 2019-20 STANDARD PLANS	INDEX 330-001	SHEET 1 of 2
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LAST REVISION 11/01/17	DESCRIPTION: FY 2019-20 STANDARD PLANS	INDEX 520-020	SHEET 1 of 5
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LAST REVISION 11/01/17	DESCRIPTION: FY 2019-20 STANDARD PLANS	INDEX 102-603	SHEET 1 of 3
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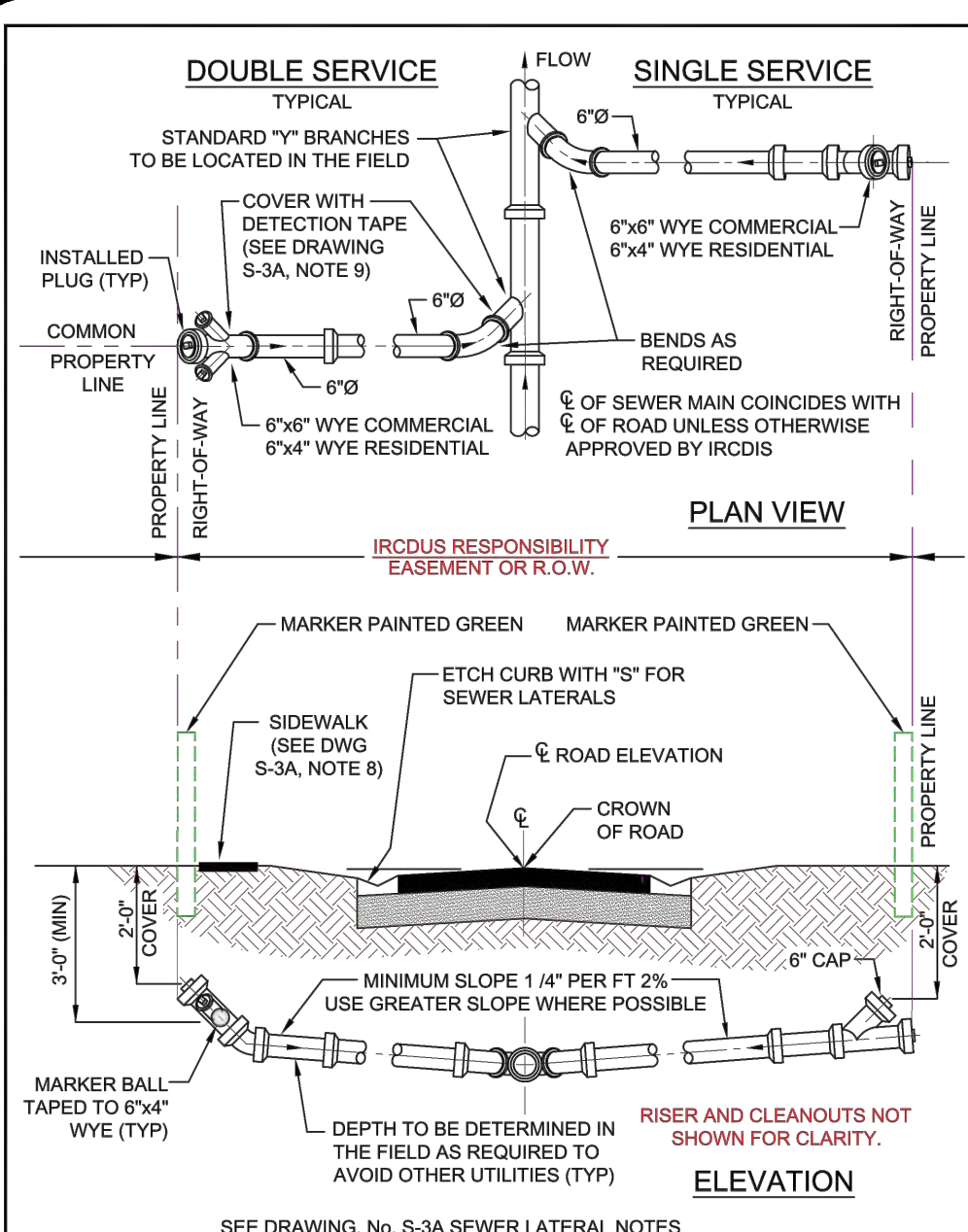
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CHECKED JBB	MARK	
SCALE NTS	REVISION	

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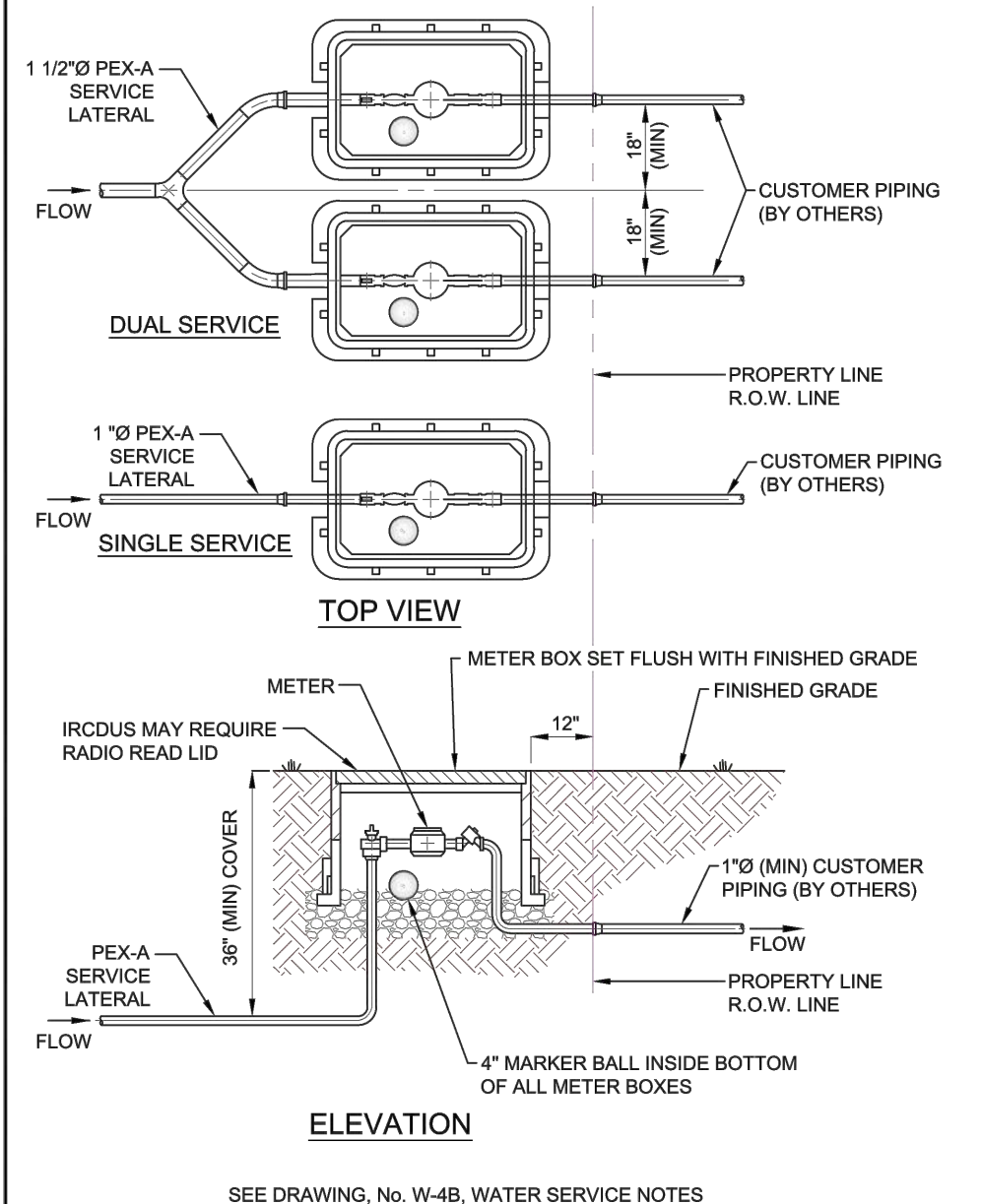
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 TEL 772-770-9496 FAX 772-770-9496 EMAIL jbittle@sbsengineers.com
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FDOT
 MISCELLANEOUS
 DETAILS
 BRIDGE
 MARKETPLACE

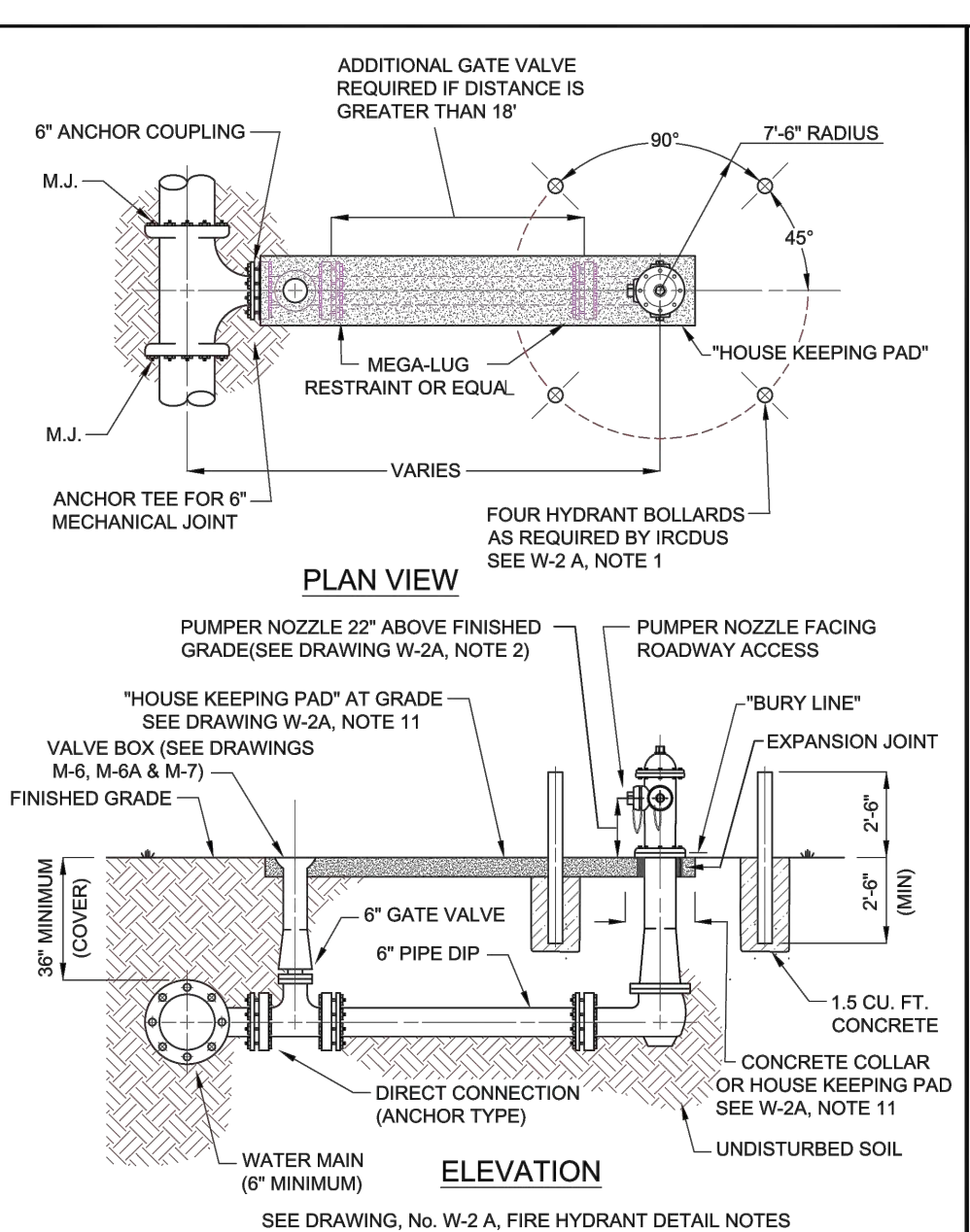
ENGINEER CERTIFICATION	DATE
JODAH B. BITTLE FL. REG. NO. 57398	
PROJECT NO. 21-037	SHEET 10D



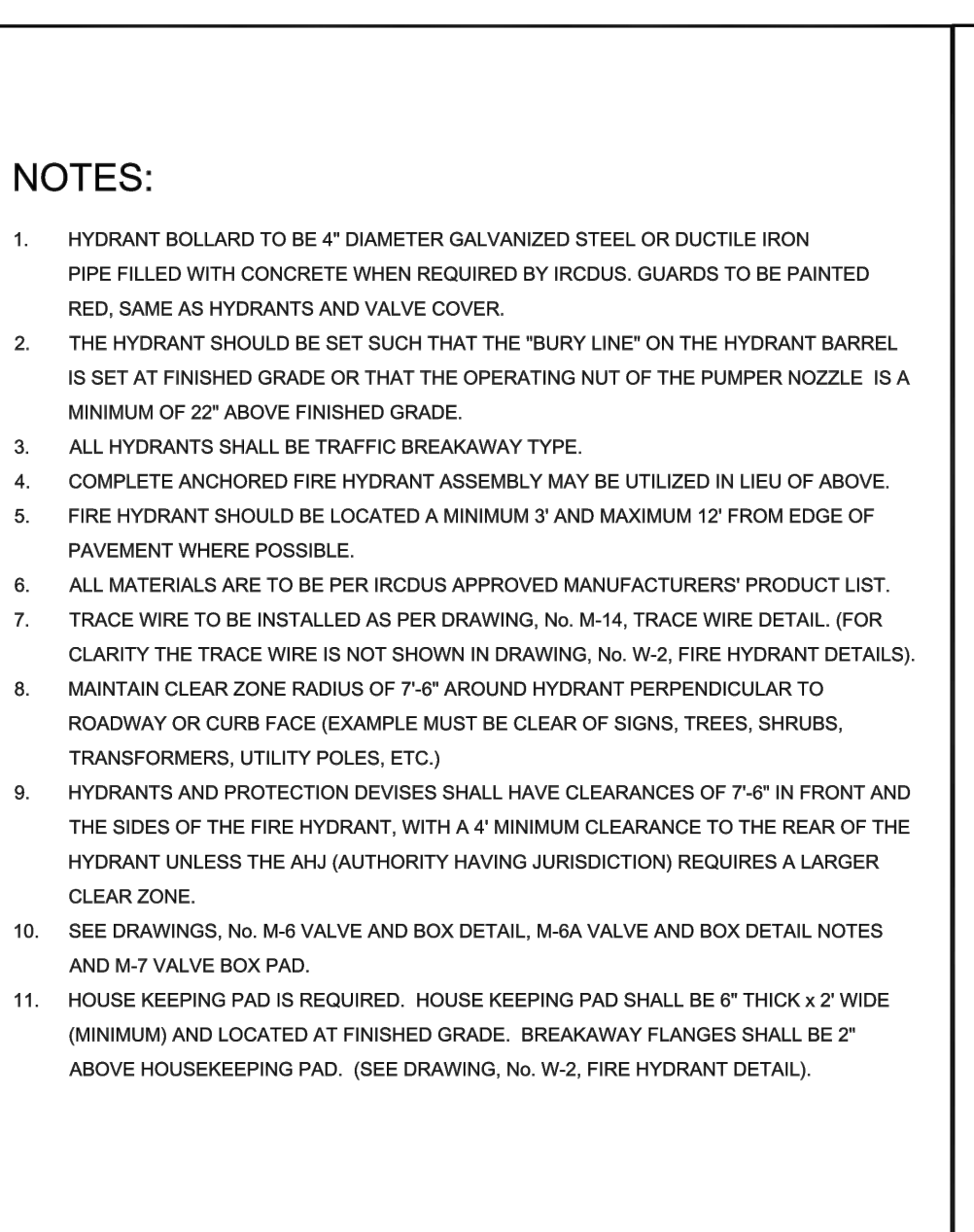
INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES
STANDARD LATERAL (SHALLOW SEWER)
DRAWING NO. S-1



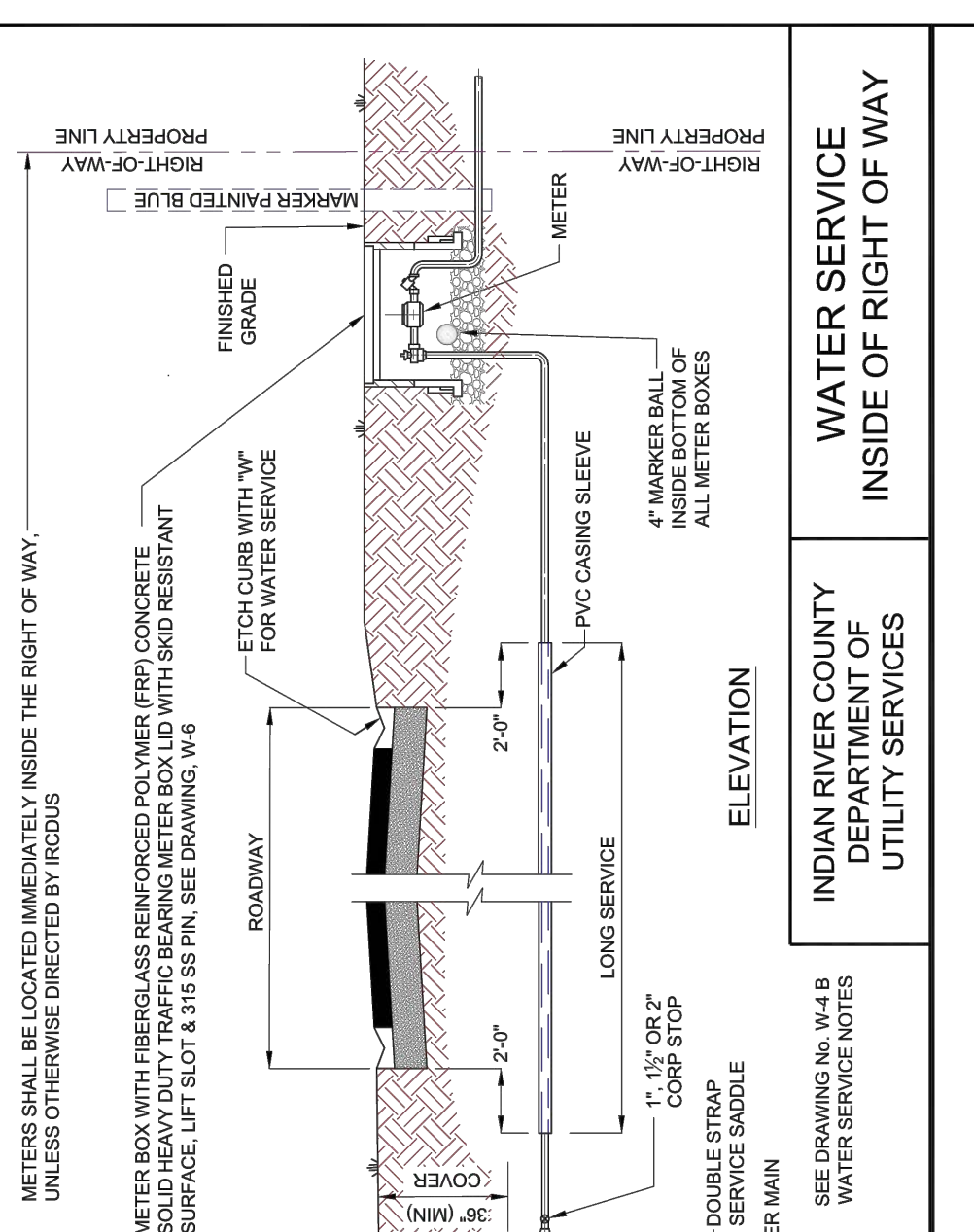
INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES
METER BOX INSTALLATION
DRAWING NO. W-6



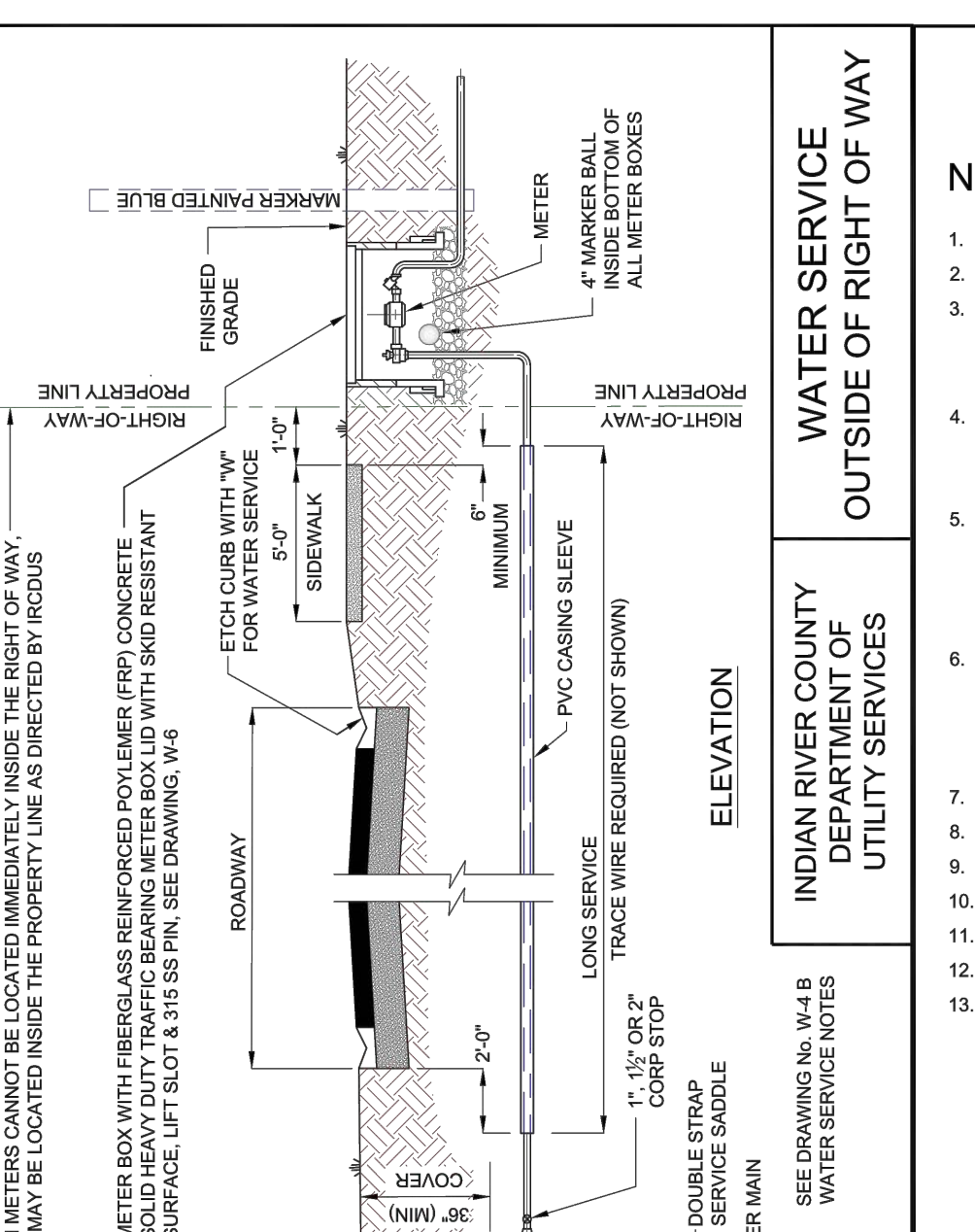
INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES
FIRE HYDRANT DETAIL
DRAWING NO. W-2



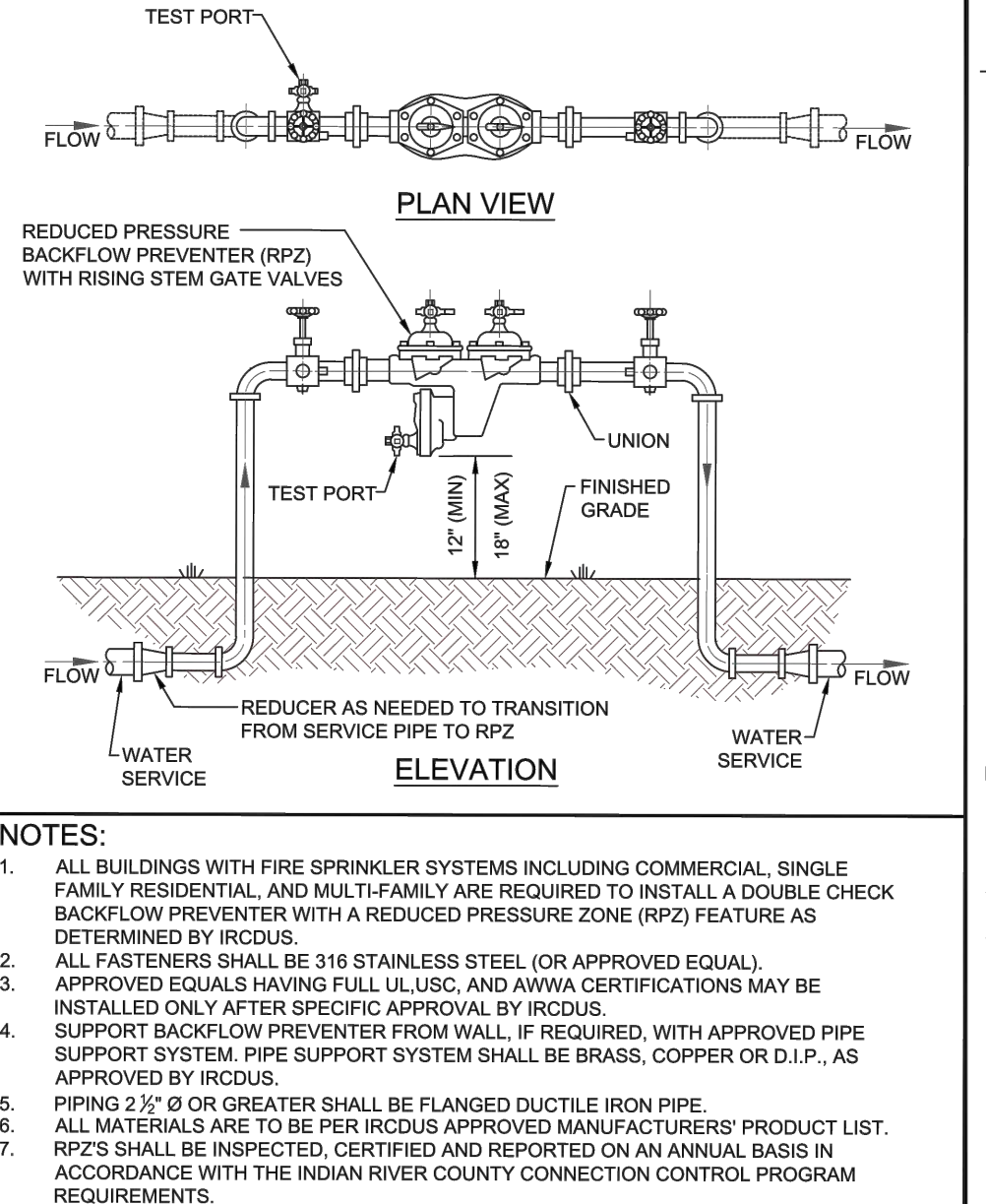
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REDUCED PRESSURE BACKFLOW PREVENTER RPZ
DRAWING NO. W-11



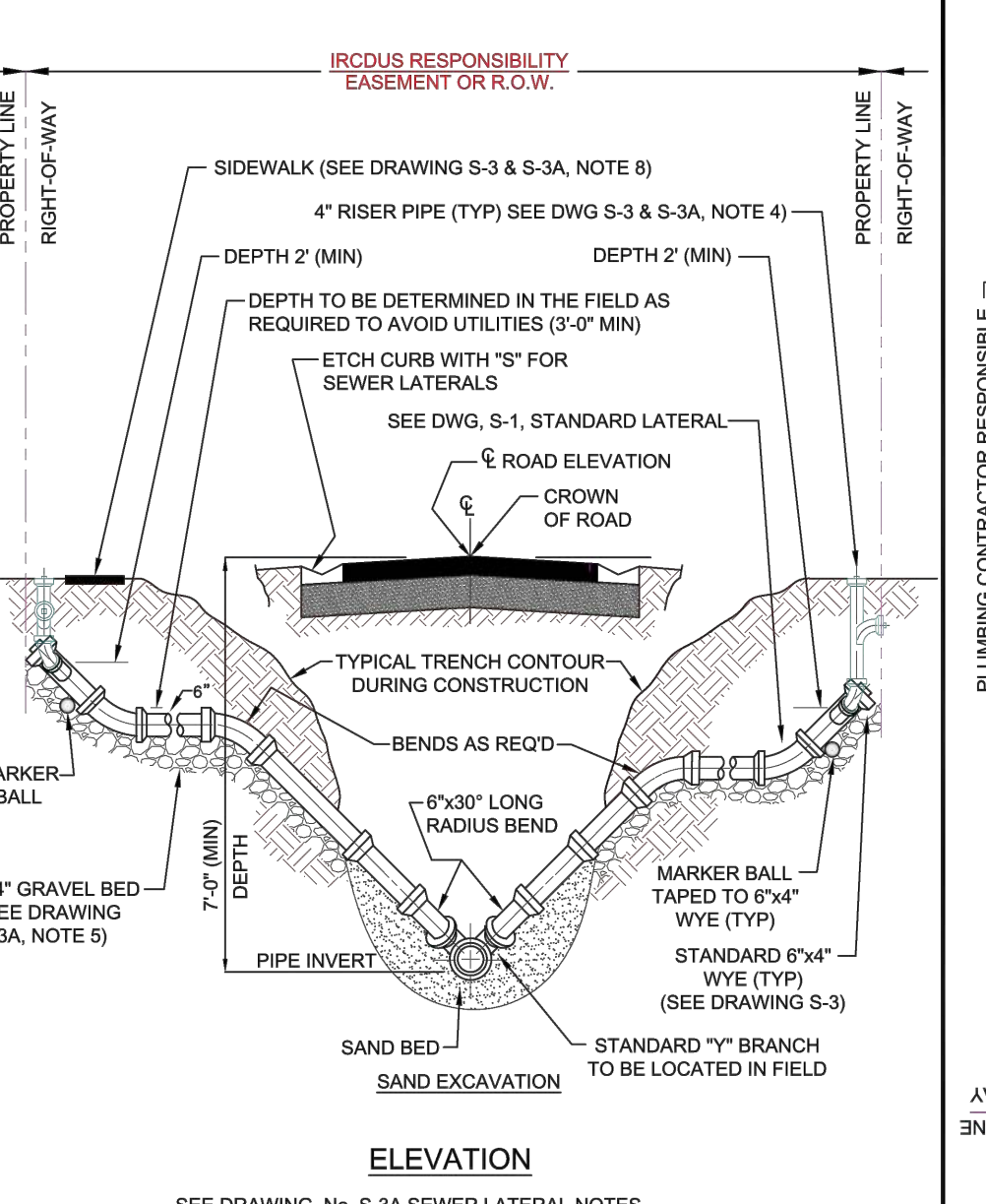
INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES
MODIFIED RISER LATERAL (DEEP SEWER)
DRAWING NO. S-2



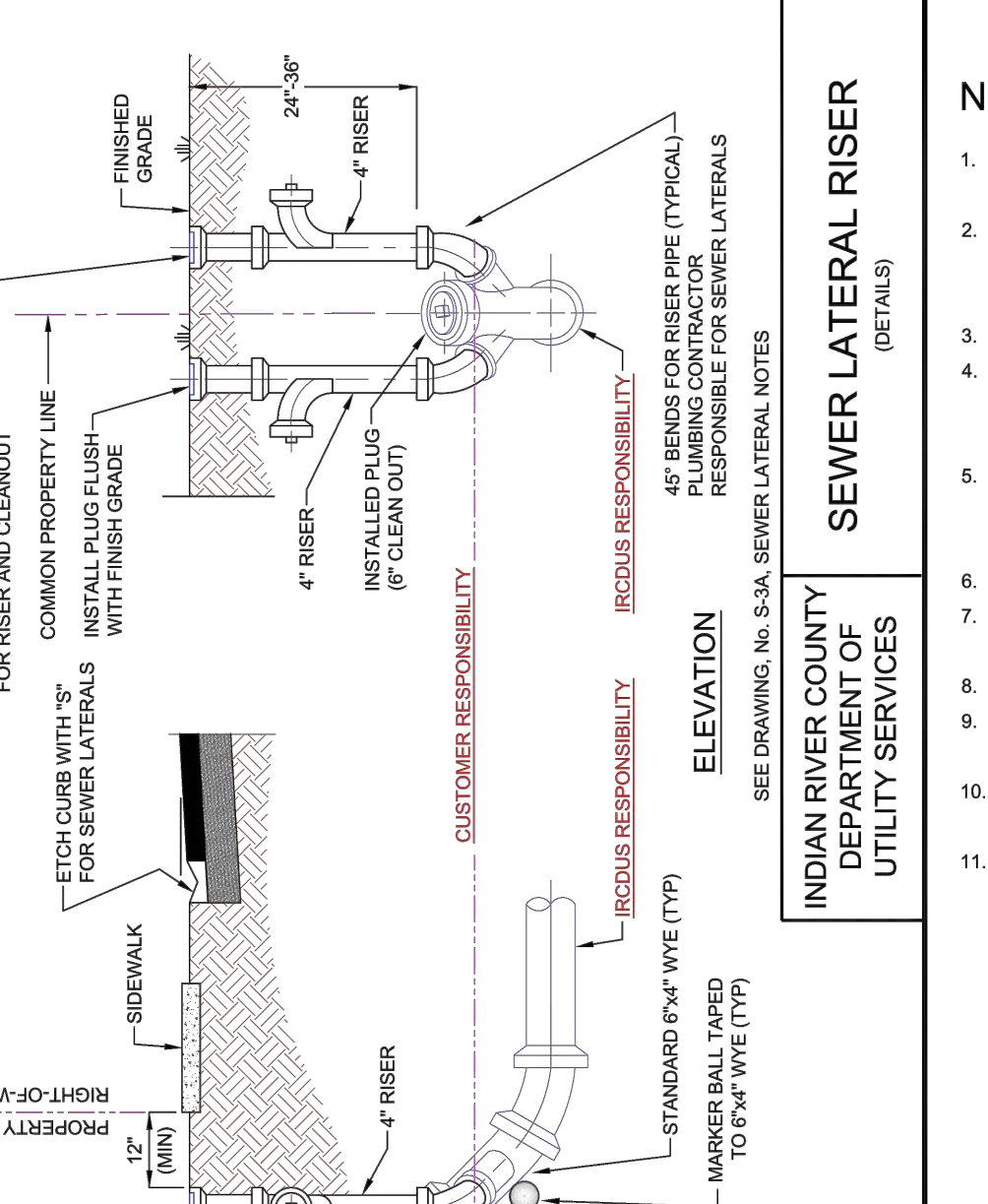
INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES
STANDARD LATERAL (DETAILS)
DRAWING NO. S-3



INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES
METER BOX ACCESS
DRAWING NO. W-6 A



INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES
FORCE MAIN SPECIFICATIONS
DRAWING NO. W-7



INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES
METER BOX NOTES
DRAWING NO. W-6 B

GENERAL UTILITY NOTES:

- ALL UTILITY CONSTRUCTION TO BE IN ACCORDANCE WITH INDIAN RIVER COUNTY WATER AND WASTEWATER UTILITY STANDARDS, MARCH, 2014.
- UTILITY CONSTRUCTION IS SUBJECT TO INDIAN RIVER COUNTY UTILITY PERMIT AND F.D.E.P. PERMIT CONDITIONS.
- SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER AND I.R.C. UTILITY DEPT. PRIOR TO CONSTRUCTION.
- THE FOLLOWING SPECIFICATIONS ARE AN ABBREVIATED VERSION OF THE INDIAN RIVER COUNTY WATER AND WASTEWATER UTILITY STANDARDS, MARCH, 2014. THE ORIGINAL STANDARDS AND INSTALLATION SPECIFICATIONS ARE NOT INCLUDED BELOW, OR ARE NOT CLEARLY UNDERSTOOD OR A CONFLICT BETWEEN THE SPECIFICATION AND THE REFERENCED PUBLICATION, THEN THE APPLICABLE SPECIFICATION SHALL BE REFERENCED AND SHALL APPLY.
- THE CONTRACTOR SHALL NOTIFY AT/CITY, FLORIDA POWER AND LIGHT, INDIAN RIVER COUNTY UTILITIES, I.R.C. U.I., AND ANY OTHER UTILITY PROPRIETORS 48 HOURS PRIOR TO CONSTRUCTION AND SHALL HAVE ALL EXISTING UTILITIES LOCATED IN THE FIELD.
- ALL REQUIRED TESTING (PRESSURE TESTS, DISINFECTION, BACTERIOLOGICAL, EXFILTRATION/INFILTRATION, LAMPING, TV, INSPECTION, AND OTHER TESTS OR INSPECTIONS REQUIRED) OF THE ADOPTED SPECIFICATIONS SHALL BE PROVIDED AND PAID FOR BY THE CONTRACTOR. THE ENGINEER SHALL BE PRESENT FOR ALL TESTING/INSPECTIONS, AND GIVEN 24 HOUR PRIOR NOTICE. THE ENGINEER SHALL BE GIVEN COPIES OF ALL TEST/INSPECTION RESULTS PRIOR TO ANY REQUEST FOR PAYMENT.
- A PERFORMANCE BOND SHALL BE PROVIDED BY THE CONTRACTOR 10% OF VALUE OF MATERIALS/LABOR TO INDIAN RIVER COUNTY AT THE CLOSE OUT OF THE CONTRACT, TO GUARANTEE THE UTILITY SYSTEM FOR ONE (1) YEAR.
- THE CONTRACTOR WILL PROVIDE SIX (6) SETS OF RECORD DRAWINGS (HARD COPY AND ELECTRONIC FORMAT), CONSISTING OF ONE SET OF RECORD DRAWINGS AND FIVE SETS OF BLUE-PRINT DRAWINGS (PRINTS SIGNED AND SEALED BY THE ENGINEER OF RECORD OR LICENSED PROFESSIONAL ENGINEER, ALL IN ACCORDANCE WITH INDIAN RIVER COUNTY UTILITY SPECIFICATIONS, PUBLICATION REFERENCED ABOVE.

FORCE MAIN SPECIFICATIONS:

- DUCTILE IRON PIPE SHALL BE BELL AND SPIGOT CAST IN ACCORDANCE WITH A.W.W.A. SPECIFICATION C150/A21.5-06.06, BASED ON MINIMUM TENSILE STRESS OF 80 KSI, YIELD STRESS OF 42 KSI, AND DESIGN WORKING PRESSURE OF 200 PSI, AND A LAYING CONDITION TYPE "Z". ALL PIPE SHALL BE GIVEN A MINIMUM FACTORY HYDROSTATIC TEST OF 500 PSI.
- NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED GRAVITY-OR VACUUM-TYPE SANITARY SEWER OR STORM SEWER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST SIX INCHES, AND PREFERABLY 12 INCHES, ABOVE OR AT LEAST 12 INCHES BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- NEW OR RELOCATED, UNDERGROUND WATER MAINS CROSSING ANY EXISTING OR PROPOSED PRESSURE-TYPE SANITARY SEWER, WASTEWATER OR STORM WATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER SHALL BE LAID SO THE OUTSIDE OF THE WATER MAIN IS AT LEAST 5 INCHES ABOVE OR BELOW THE OUTSIDE OF THE OTHER PIPELINE. HOWEVER, IT IS PREFERABLE TO LAY THE WATER MAIN ABOVE THE OTHER PIPELINE.
- AT THE UTILITY CROSSINGS DESCRIBED IN PARAGRAPHS (A) AND (B) ABOVE, ONE FULL LENGTH OF WATER MAIN PIPE SHALL BE CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO THE WATER MAIN JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT SUCH CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST THREE FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORM WATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62.410, F.A.C. AND AT LEAST SIX FEET FROM ALL JOINTS IN GRAVITY-OR PRESSURE-TYPE SANITARY SEWERS, WASTEWATER FORCE MAINS, OR PIPELINES CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62.410, F.A.C.
- SEPARATION BETWEEN WATER MAINS AND SANITARY OR STORM SEWER MANHOLES.
 - NO WATER MAIN SHALL PASS THROUGH, OR COME INTO CONTACT WITH ANY PART OF A SANITARY SEWER MANHOLE.
 - EFFECTIVE AUGUST 28, 2003, WATER MAINS SHALL NOT BE CONSTRUCTED OR ALTERED TO PASS THROUGH, OR COME INTO CONTACT WITH, ANY PART OF A STORM SEWER MANHOLE OR BUILT STRUCTURE INTO CONTACT WITH ANY PART OF A STORM SEWER MANHOLE OR BUILT STRUCTURE.
- SEPARATION BETWEEN FIRE HYDRANT DRAIN AND SANITARY OR STORM SEWERS, WASTEWATER OR STORM WATER FORCE MAINS, RECLAIMED WATER PIPELINES, AND DOMESTIC SEWAGE TREATMENT AND DISPOSAL SYSTEMS.
 - NEW OR RELOCATED FIRE HYDRANTS WITH UNDERGROUND DRAINS SHALL BE LOCATED SO THAT THE DRAINS ARE AT LEAST THREE FEET FROM ANY EXISTING OR PROPOSED SANITARY SEWER, STORM SEWER, STORM WATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62.410, F.A.C. AT LEAST THREE FEET, AND PREFERABLY TEN FEET, FROM ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62.410, F.A.C. AND AT LEAST TEN FEET FROM ANY EXISTING OR PROPOSED STORM SEWER MANHOLE OR BUILT STRUCTURE.
 - DISPOSEL SYSTEM AS DEFINED IN SECTION 91.060(5), F.S., AND RULE 64E-6.002, F.A.C.
- NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST THREE FEET, AND PREFERABLY TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED VACUUM-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER REGULATED UNDER PART III OF CHAPTER 62.410, F.A.C. THE MINIMUM HORIZONTAL SEPARATION DISTANCE BETWEEN WATER MAINS AND GRAVITY-TYPE SANITARY SEWERS SHALL BE REDUCED TO THREE FEET WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST SIX INCHES ABOVE THE TOP OF THE SEWER.
- NEW OR RELOCATED UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST TEN FEET BETWEEN THE OUTSIDE OF THE WATER MAIN AND ALL PARTS OF ANY EXISTING OR PROPOSED DOMESTIC SEWAGE TREATMENT AND DISPOSAL SYSTEM AS DEFINED IN SECTION 91.060(5), F.S., AND RULE 64E-6.002, F.A.C.

POLYETHYLENE PIPE SPECIFICATIONS:

FORCE MAINS - POLYETHYLENE

MATERIALS FOR PIPE SIZES 3" AND LARGER:

- MATERIALS FOR THE MANUFACTURE OF POLYETHYLENE PIPE AND FITTINGS SHALL BE MADE FROM A PE 3608 POLYETHYLENE RESIN COMPOUND MEETING CLASSIFICATION 3645/43C PER ASTM D2510 AND MEETING TYPE B, CLASS B, AND PREFERABLY TYPE B, PER ASTM D1748.
- POLYETHYLENE (PE) PIPE SHALL COMPLY WITH AWWA SPECIFICATIONS C900-80.
- DIMENSIONS AND WORKMANSHIP SHALL BE AS SPECIFIED BY ASTM F714. PE FITTINGS AND TRANSITIONS SHALL MEET ASTM D2021. PE PIPE SHALL HAVE A MINIMUM DENSITY OF 0.952 GRAMS PER CUBIC CENTIMETER. ALL PE PIPE AND FITTINGS SHALL HAVE A HYDROSTATIC DESIGN BASIS (HDB) OF 160 PSI.
- PE PIPE AND ACCESSORIES 3" AND GREATER IN DIAMETER, SHALL BE 160 PSI AT 73°F MEETING THE REQUIREMENTS OF STANDARD DIMENSION DATUM (SD) 11, MINIMUM STRENGTH.

FITTINGS:

- ALL MOLDED FITTINGS AND FABRICATED FITTINGS SHALL BE FULLY PRESSURE RATED TO MATCH THE PIPE SO THE PRESSURE RATING TO WHICH THEY ARE MADE. ALL FITTINGS SHALL BE MOLDED OR FABRICATED BY THE MANUFACTURER.
- ALL TRANSITIONS FROM PE PIPE TO PVC OR DUCTILE IRON SHALL BE MADE WITH A MOLDED FLANGE CONNECTOR ADAPTER WITHIN A CARBON STEEL BACK-UP RING ASSEMBLY. THIS FLANGE FOR PE PIPE TYPE TRANSITIONS. DUCTILE IRON BACK-UP RINGS SHALL MAT WITH CAST IRON FLANGES PER ANSI B16.1. A 316 STAINLESS STEEL BACK-UP RING SHALL MAT WITH A 316 STAINLESS FLANGES PER ANSI B16.1.
- THE FLANGE ADAPTER ASSEMBLIES SHALL BE CONNECTED WITH CORROSION RESISTING BOLTS AND NUTS OF TYPE 316 STAINLESS STEEL AS SPECIFIED IN ASTM A276 AND ASTM A307.

JOINING METHOD:

- THE PIPE SHALL BE JOINED WITH BUTT HEAT FUSION JOINTS. LENGTHS OF PIPE SHALL BE ASSEMBLED INTO SUITABLE INSTALLATION LENGTHS BY THE BUTT FUSION PROCESS. ALL PIPE SO JOINED SHALL BE MADE FROM THE SAME CLASS AND TYPE OF RAW MATERIAL MADE BY THE SAME RAW MATERIAL SUPPLIER. PIPE SHALL BE FURNISHED IN STANDARD LAYING LENGTHS NOT TO EXCEED 50 FEET.

PIPE IDENTIFICATION:

- THE FOLLOWING SHALL BE CONTINUOUSLY INDENT PRINTED ON THE PIPE OR SPACED AT INTERVALS NOT EXCEEDING 5 FT. NAME AND/OR TRADEMARK OF THE PIPE MANUFACTURER, NOMINAL PIPE SIZE, DIMENSION DATA, THE LETTERS PE FOLLOWED BY THE POLYETHYLENE GRADE IN ACCORDANCE WITH ASTM D1248, FOLLOWED BY THE HYDROSTATIC DESIGN BASIS IN 1675 OF PSI, E.G., PE 3608 MANUFACTURING STANDARD REFERENCE, E.G., ASTM F714 CRD-308, AS REQUIRED. A PRODUCTION CODE FROM WHICH THE DATE AND PLACE OF MANUFACTURE CAN BE DETERMINED.
- NUMBERS 10 SINGLE CONDUCTOR COVER TRACT SHALL BE SPRAY WRAPPED OR APPLIED TO THE TOP OF ALL PIPE AND FITTINGS. SEE TRACE TRENCH LAYOUT M-16.

TESTING:

- ALL PE WATER MAINS SHALL BE FIELD-TESTED. SUPPLY ALL WATER MAIN, MATERIAL, GAGES, PUMPS, METERS AND INCIDENTALS REQUIRED FOR TESTING.
- ALL WATER MAINS SHALL BE TESTED AT 150 PERCENT OF THE OPERATING DESIGN PRESSURE OF THE PIPE, (100 PSI) FOR 12 HOURS. TESTING SHALL BE CONDUCTED IN THE PRESENCE OF THE ENGINEER.
- TESTING PROCEDURE SHALL BE AS FOLLOWS: FILL LINE SLOWLY WITH WATER. EXPIRE AIR COMPLETELY FROM THE LINE DURING FILLING AND AGAIN BEFORE APPLYING TEST PRESSURE.
- APPLY INITIAL TEST PRESSURE AND ALLOW TO STAND WITHOUT MAKEUP PRESSURE FOR TWO TO THREE HOURS, TO ALLOW FOR DIAMETRIC EXPANSION OF PIPE. RETRACING TO STABILIZER, THE EQUILIBRIUM PERIOD, APPLY THE SPECIFIED TEST PRESSURE. SHALL BE HELD FOR ONE TO TWO HOURS.
- ALLOWABLE AMOUNT OF MAKEUP WATER DURING THE PRESSURE TEST SHALL CONFORM TO ASTM PIPE INSTITUTE HANDBOOK OF POLYETHYLENE PIPE, "INSPECTION TESTS" AND PRESSURE OF THE PIPE" UNLESS OTHERWISE APPROVED BY THE ENGINEER. THE OPERATION SAFETY CONSIDERATIONS, POST-TEST FILLING AND AGAIN BEFORE APPLYING TEST PRESSURE WATER TEST. TABLE II, ON PAGES 24 AND 25 AS PUBLISHED BY THE PLASTIC PIPE INSTITUTE (IPEP). IF THERE ARE NO VISUAL LEAKS OR SIGNIFICANT PRESSURE DROPS DURING THE FINAL TEST PERIOD, THE INSTALLED PIPE PASSES THE TEST.
- ANY TEST OF PIPE LAD DISCLOSES LEAKAGE AND SIGNIFICANT PRESSURE DROP GREATER THAN THAT ALLOWED, THE CONTRACTOR SHALL AT HIS OWN EXPENSE, LOCATE AND REPAIR THE CAUSE OF LEAKAGE AND RETEST THE LINE. THE AMOUNT OF LEAKAGE WHICH WILL BE PERMITTED SHALL BE IN ACCORDANCE WITH AWWA C900 STANDARD.

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NOTES:

- SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE A MINIMUM OF 18" ON CENTER.
- ALL SERVICES REQUIRE 36" MINIMUM COVER.
- MINIMUM SERVICE SIZE SHALL NOT BE LESS THAN 1" Ø. DUAL SERVICES SHALL BE A MINIMUM OF 1 1/2" Ø. TRIPLE SERVICES SHALL BE 1 MINIMUM OF 2" Ø. QUADRUPLE SERVICES SHALL BE APPROVED BY IRCDUS.
- 1" Ø & 1 1/2" Ø LONG SERVICES REQUIRE A 2" MINIMUM I.D. CASING SLEEVE. 2" Ø LONG SERVICES REQUIRE A 3" MINIMUM CASING SLEEVE. CASING SLEEVE SHALL BE SCHEDULE 40 P.V.C.
- ALL METERS 2" Ø OR SMALLER SHALL BE SUPPLIED AND INSTALLED BY IRCDUS. ALL METERS GREATER THAN 2" Ø SHALL BE SUPPLIED AND INSTALLED BY THE DEVELOPER PROPERTY OWNER. REFER TO APPROVED MANUFACTURERS' PRODUCT LIST FOR METERS WITH GREATER THAN 2" Ø.
- PIN LOCKS WITH PLASTIC DUST CAPS SHALL BE PURCHASED BY THE DEVELOPER AND/OR CONTRACTOR AND SHALL BE INSTALLED ON ALL LOCKING CURB STOPS INSIDE METER BOX, SAMPLING POINTS, AND WATER SERVICE CONNECTIONS AT THE TIME OF ACTIVATING ALL WATER MAINS OR AT SUCH TIME AS DIRECTED BY IRCDUS.
- TRACE WIRE SHALL BE THE SAME SIZE AS THE METERS THAT ARE INSTALLED.
- TRACE WIRE TO BE INSTALLED AS PER DRAWING, No. M-14, TRACE WIRE DETAILS.
- PLACE A 4" ELECTRONIC MARKER BALL INSIDE BOTTOM OF ALL METER BOXES.
- ALL RESIDENTIAL AND ONE ERU SERVICES SHALL BE 68" METERS.
- OPEN BOTTOM AND PRE-PLUMBED (ENCLOSED) METER BOXES ARE ACCEPTABLE.
- ALL METER BOXES TO BE PER IRCDUS APPROVED MANUFACTURERS' PRODUCT LIST.
- AN UNOBSTRUCTED CLEAR ZONE IS REQUIRED AROUND ALL METER BOXES. (SEE DRAWING, No. W-6 A.)

INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES
WATER SERVICE NOTES
DRAWING NO. W-4 B

NOTES:

- ALL SEWER LATERALS (SINGLE OR DOUBLE) SHALL HAVE A RISER PIPE WITH BENDS AS REQUIRED FOR SERVICE CONNECTIONS AND WITH A 4"Ø CLEANOUT AT GRADE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RISER PIPE WITH BEND FOR SERVICE CONNECTION AND FOR SETTING 4"Ø SEWER CLEANOUT TO FINISH GRADE PRIOR TO CONNECTION.
- SANITARY SEWER LATERAL LATERALS SHALL BE A MINIMUM OF 6" IN DIAMETER.
- GRAVEL (3/4" BEDDING SHALL BE USED FOR EXCAVATION ON ROAD. SAND BEDDING SHALL BE USED FOR EXCAVATION IN SAND. (SEE DRAWING, No. S-2, MODIFIED SEWER LATERAL, DEEP SEWER.)
- GRAVEL (3/4" BEDDING SHALL BE USED FOR EXCAVATION ON ROAD. SAND BEDDING SHALL BE USED FOR EXCAVATION IN SAND. (SEE DRAWING, No. S-2, MODIFIED SEWER LATERAL, DEEP SEWER.)
- FOR RISERS AND CLEANOUTS SEE DRAWING, No. S-3, SEWER LATER RISER, SEWER LATER RISER.
- FOR CUTTING IN SEWER LATERAL CLEANOUT TO FINISH GRADE SEE DRAWING, No. S-3, SEWER LATER RISER.
- RISERS AND CLEANOUTS SHALL NOT BE CONSTRUCTED WITHIN 12" OF SIDEWALK.
- MAGNETIC DETECTION TAPE SHALL BE INSTALLED OVER TOP OF ALL SEWER MAINS AND SERVICE LATERALS.
- ELECTRONIC MARKER BALLS, 4"Ø, SHALL BE TAPED TO 6"x4" WYE, 24" BELOW FINISHED GRADE.
- ALL MATERIALS ARE TO BE PER IRCDUS APPROVED MANUFACTURERS' PRODUCT LIST.

INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES
STANDARD LATERAL NOTES
DRAWING NO. S-3 A

DRAWING 20-155 CONST	DATE	REASON
CHECKED JBB	DRAWN JBB	
SCALE	DATE 06/01/21	
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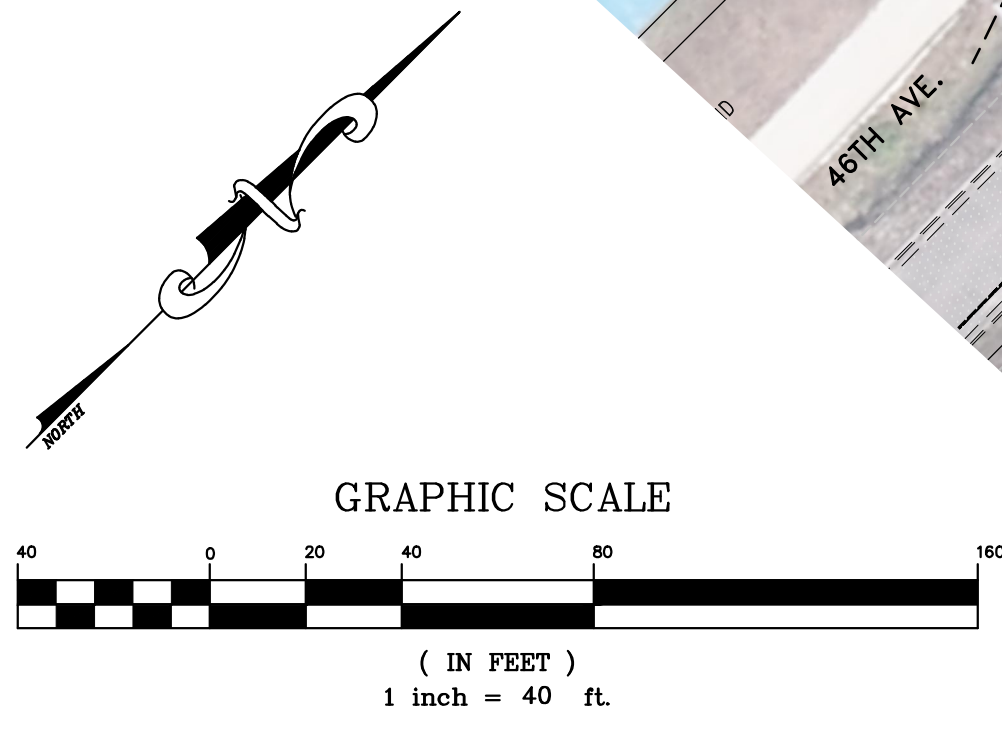
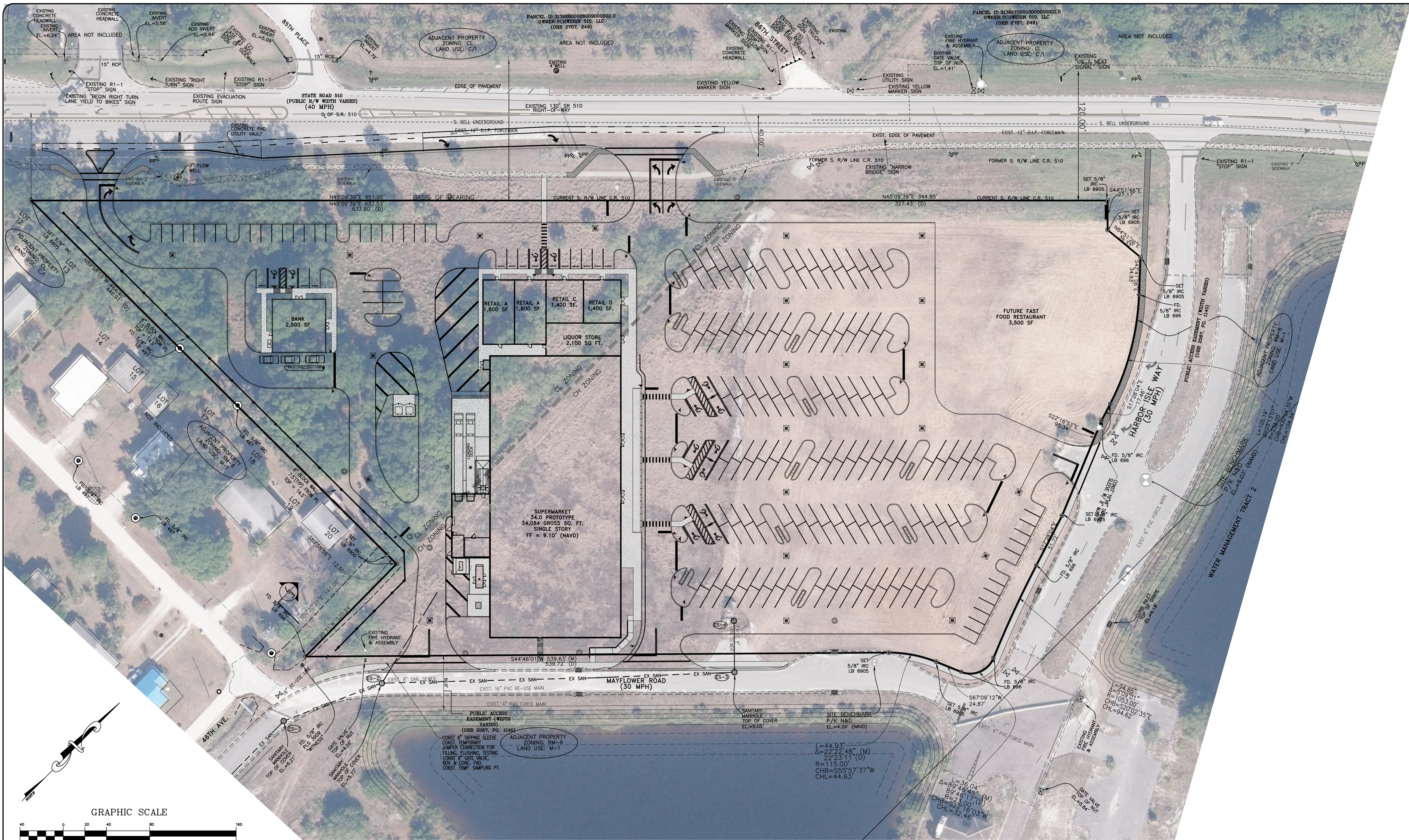
INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES
WATER SERVICE NOTES
DRAWING NO. W-4 A

INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES

WATER SERVICE NOTES

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WATER SERVICE NOTES

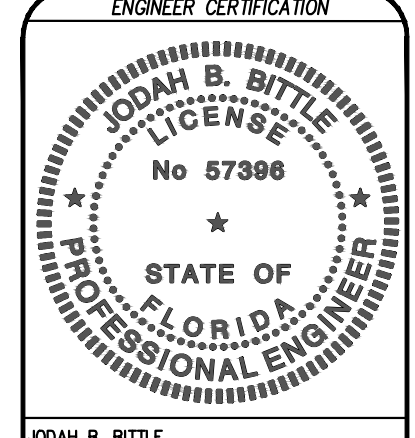


DESIGNED	CHECKED	DRAWN	DATE
JBB	JBB	JBB	10/14/21

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SCHULKE, BITTLE & STODDARD, L.L.C.
 CIVIL & STRUCTURAL ENGINEERING - LAND PLANNING - ENVIRONMENTAL PERMITTING
 CERTIFICATION OF AUTHORIZATION NO.: 00008666
 1717 INDIAN RIVER BLVD., SUITE 201 VERO BEACH, FLORIDA 32960
 TEL 772-770-9622 FAX 772-770-9496 EMAIL jbittle@sbsengineers.com
 WEBSITE https://www.sbsengineers.com

BRIDGE MARKETPLACE
AERIAL PLAN



ALTA/NSPS

I HAVE REVIEWED CHICAGO TITLE INSURANCE COMPANY COMMITMENT 1993B.0050 NO., DATED JANUARY 27, 2021, CONTAINING EXCEPTIONS 1-14 INCLUSIVE ON SCHEDULE BII OF THE COMMITMENT, AND ALL OF THE RECORDED EXCEPTIONS REFERENCED IN SAID SCHEDULE BII. THE BELOW TABLE SHOWS IF SAID EXCEPTIONS ARE PLOTTED OR BLANKET IN NATURE

B-II EXCEPTIONS		PLOTTED/ BLANKET
1	DEFECTS, LIENS, ENCUMBRANCES, ADVERSE CLAIMS OR OTHER MATTERS, IF ANY, CREATED FIRST APPEARING IN THE PUBLIC RECORDS OF ATTACHING SUBJECT TO THE EFFECTIVE DATE HEREOF BUT PRIOR TO THE DATE THE PROPOSED INSURED ACQUIRES FOR VALUE OF RECORD THE ESTATE OR INTEREST OF MORTGAGE HEREON COVERED BY THIS FORM.	NA
2	TAXES AND ASSESSMENTS FOR THE YEAR 2021 AND SUBSEQUENT YEARS, WHICH ARE NOT YET DUE OR PAYABLE.	NA
3A	ANY ENCROACHMENT, ENCUMBRANCE, VIOLATION, VARIATION OR ADVERSE CIRCUMSTANCE AFFECTING THE TITLE THAT WOULD BE DISCLOSED BY AN ACCURATE SURVEY OF THE LAND.	PLOTTED
3B	ANY RIGHTS OR CLAIMS OF PARTIES IN POSSESSION NOT SHOWN BY THE PUBLIC RECORDS.	NA
3C	ANY LIEN OR RIGHT TO A LIEN, FOR SERVICES, LABOR, OR MATERIALS HERETOFORE OR HEREAFTER FURNISHED, IMPOSED BY LAW AND NOT SHOWN BY THE PUBLIC RECORDS.	NA
3D	TAXES OR ASSESSMENTS NOT SHOWN AS EXISTING LIENS IN THE PUBLIC RECORDS OR IN THE RECORDS.	NA
4	ANY CLAIM THAT A PORTION OF THE INSURED LAND IS SOVEREIGN LANDS OF THE STATE OF FLORIDA, INCLUDING SUBMERGED, FILLED OR ARTIFICIALLY EXPOSED LANDS ACCRETED TO SUCH LAND.	NA
5	ANY LIEN PROVIDED BY COUNTY ORDINANCE OR BY CHAPTER 159, FLORIDA STATUTES, IN FAVOR OF ANY CITY, TOWN, VILLAGE OR PORT AUTHORITY FOR UNPAID SERVICE CHARGES FOR SERVICE BY ANY WATER, SEWER OR GAS SYSTEM SUPPLYING THE INSURED LAND.	NA
6	RESTRICTIONS, COVENANTS, CONDITIONS, EASEMENTS AND OTHER MATTERS AS CONTAINED ON THE PLAT OF WEONA PARK, RECORDED IN PLAT BOOK 2, PAGE 17, OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA.	PLOTTED
7	RESTRICTIONS, COVENANTS, CONDITIONS, EASEMENTS AND OTHER MATTERS AS CONTAINED ON THE PLAT OF NARANJA SHELLMOUND BEACH, RECORDED IN PLAT BOOK 1, PAGE 6, OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA.	PLOTTED
8	PHOSPHATE, MINERALS, METALS AND PETROLEUM RESERVATIONS AND RESERVATION OF ROAD RIGHTS OF WAY IN FAVOR OF THE STATE OF FLORIDA, THROUGH THE TRUSTEES OF THE INTERNAL IMPROVEMENT FUND, AS SET FORTH IN THAT CERTAIN DEED NO. 807 RECORDED IN DEED BOOK 5, PAGE 474, OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA. (NOTE: AS TO SAID RESERVATION, THE RESERVATION FOR MINING AND EXPLORATION HAVE BEEN MODIFIED BY RELEASE OF THE RIGHT OF ENTRY INTO THE INSURED PREMISES, AS CONTAINED IN SECTION 270.11 OF THE FLORIDA STATUTES)	BLANKET
9	EASEMENTS FOR UTILITY AND DRAINAGE RESERVED BY INDIAN RIVER COUNTY, FLORIDA IN THAT CERTAIN RESOLUTION NO. 70-28 RECORDED JULY 13, 1970 IN OFFICIAL RECORDS BOOK 356, PAGE 12, OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA.	PLOTTED
10	EASEMENTS FOR UTILITIES RESERVED BY INDIAN RIVER COUNTY, FLORIDA IN THAT CERTAIN RESOLUTION NO. 89-39 RECORDED JUNE 29, 1989 IN OFFICIAL RECORDS BOOK 835, PAGE 641, OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA.	PLOTTED
11	DRAINAGE AND UTILITY EASEMENTS RESERVED BY INDIAN RIVER COUNTY, FLORIDA IN THAT CERTAIN RESOLUTION NO. 2003-121 RECORDED NOVEMBER 5, 2003 IN OFFICIAL RECORDS BOOK 1055, PAGE 994 OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA.	PLOTTED
12	DECLARATION OF EASEMENTS BY W3 COMMUNITIES, INC., RECORDED APRIL 6, 2006 IN OFFICIAL RECORDS BOOK 2016, PAGE 1957, AS AMENDED BY PARTIAL RELEASE OF DECLARATION OF EASEMENTS RECORDED AUGUST 2, 2012 IN OFFICIAL RECORDS BOOK 2295, PAGE 1632, OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA.	BLANKET
13	DRAINAGE AND UTILITY EASEMENTS RESERVED BY INDIAN RIVER COUNTY, FLORIDA IN THAT CERTAIN RESOLUTION NO. 2006-165 RECORDED NOVEMBER 13, 2006 IN OFFICIAL RECORDS BOOK 2099, PAGE 1583 OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA.	PLOTTED
14	RIGHTS OF TENANTS OCCUPYING ALL OR PART OF THE INSURED LAND UNDER UNRECORDED LEASES OR RENTAL AGREEMENTS.	NO

REPORT OF SURVEY:

- TYPE OF SURVEY: ALTA/NSPS
- THIS SURVEY PERFORMED BY:
 - MERIDIAN LAND SURVEYORS LB#6905 1717 INDIAN RIVER BLVD. SUITE 201 VERO BEACH, FLORIDA 32960
- PROFESSIONAL SURVEYOR & MAPPER IN RESPONSIBLE CHARGE:
 - BILLY M. MOODY P.S.M. #5336
- THIS SURVEY MEETS ALL APPLICABLE REQUIREMENTS OF THE FLORIDA STANDARDS OF PRACTICE AS CONTAINED IN SJ-17, FLORIDA ADMINISTRATIVE CODE.
- ELEVATIONS AND DIMENSIONS SHOWN HEREON ARE MEASURED IN FEET AND DECIMAL PARTS THEREOF.
- THE LAST DATE OF FIELD WORK WAS: 05/11/2021
- THE BEARING BASE FOR THIS SURVEY IS N45°09'39"E ALONG THE SOUTHEAST RIGHT OF WAY LINE OF COUNTY ROAD 510. ALL OTHER BEARINGS SHOWN ARE RELATIVE THERETO.
- THIS SURVEY DOES NOT CERTIFY TO THE EXISTENCE OR LOCATION OF ANY UNDERGROUND IMPROVEMENTS: UTILITIES, FOUNDATIONS, OR ENCROACHMENTS, EXCEPT AS SHOWN.
- NO INSTRUMENTS OF RECORD REGARDING EASEMENTS, RIGHT-OF-WAYS, OR OWNERSHIP WERE SUPPLIED TO THIS SURVEYOR, EXCEPT AS SHOWN.
- UNLESS A COMPARISON IS SHOWN, PLAT VALUES AND MEASURED VALUES ARE THE SAME.
- LEGAL DESCRIPTION IS AS SET FORTH IN THE TITLE COMMITMENT.
- UNLESS OTHERWISE INDICATED, FOUND MONUMENTATION IS UNIDENTIFIED.
- THE PARCEL OF LAND SHOWN HEREON APPEARS TO BE IN FLOOD ZONE "AE-8", PER FLOOD INSURANCE RATE MAP #12061C0231 H, DATED DECEMBER 4TH, 2012.
- THE ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988. PRIMARY BENCHMARK UTILIZED IS INDIAN RIVER COUNTY BENCHMARK "BM060018", EL. = 3.23'. SITE BENCHMARK IS AS SHOWN.
- ADDITIONS OR DELETIONS TO SURVEY MAPS OR REPORTS BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTY OR PARTIES.
- ALL PALM TREES LOCATED ON THIS MAP MEET OR EXCEED TEN FEET IN CLEAR TRUNK HEIGHT
- PARCELS 3 AND 5 ARE CONTIGUOUS AND CONTAINS NO GAPS AND GORES; THE SUBJECT PROPERTY IS CONTIGUOUS WITH THE BENEFITTING EASEMENT SHOWN HEREON

ALTA/NSPS

TO TC BRIDGE BLVD, LLC, A FLORIDA LIMITED LIABILITY COMPANY, FRANK, WEINBERG, AND BLACK, P.L., AND CHICAGO TITLE INSURANCE COMPANY.

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 6(a), 6(b), 7(a), 7(c), 13, 16, 17 and 18 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON 5/11/2021.

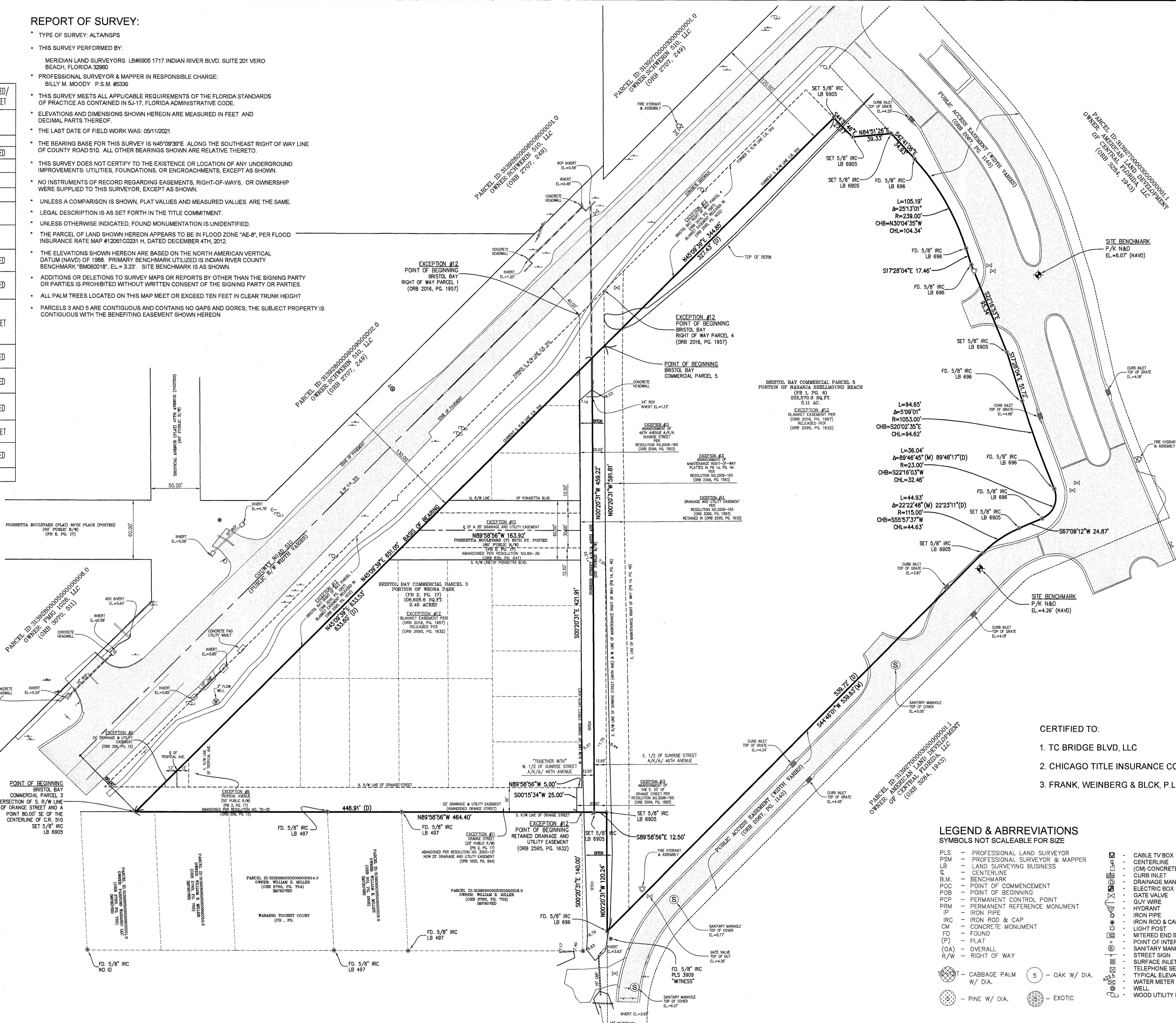
LEGAL DESCRIPTION

BRISTOL BAY COMMERCIAL PARCEL 3:
A PARCEL OF LAND BEING A PORTION OF WEONA PARK, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 2, PAGE 17, OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA, IN SECTION 28, TOWNSHIP 31 SOUTH, RANGE 39 EAST, INDIAN RIVER COUNTY, FLORIDA, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGIN AT THE INTERSECTION OF THE SOUTH RIGHT OF WAY LINE OF ORANGE STREET AS SHOWN ON THE AFORESAID PLAT OF WEONA PARK AND A POINT ON A LINE THAT IS 80.00 FEET SOUTHEASTERLY OF THE CENTERLINE OF COUNTY ROAD 510, THENCE NORTH 45 DEGREES 09'38" EAST, ALONG SAID LINE A DISTANCE OF 439.69 FEET TO A POINT ON THE WEST RIGHT OF WAY LINE OF SUNRISE STREET, AS SHOWN ON SAID PLAT OF WEONA PARK; THENCE SOUTH 0 DEGREES 20'31" EAST, ALONG SAID WEST RIGHT OF WAY LINE, A DISTANCE OF 421.91 FEET TO A POINT ON THE NORTH RIGHT OF WAY LINE OF SAID ORANGE STREET; THENCE NORTH 89 DEGREES 58'56" WEST, ALONG SAID NORTH RIGHT OF WAY LINE, A DISTANCE OF 5.00 FEET; THENCE SOUTH 0 DEGREES 15'34" EAST, A DISTANCE OF 26.00 FEET TO THE SOUTH RIGHT OF WAY LINE OF SAID ORANGE STREET; THENCE NORTH 89 DEGREES 58'56" WEST, ALONG SAID SOUTH RIGHT OF WAY LINE, A DISTANCE OF 448.91 FEET TO THE POINT OF BEGINNING.

TOGETHER WITH THE WEST 1/2 OF THE ABANDONED 46TH AVENUE FW/A SUNRISE STREET, LYING NORTH OF THE NORTH RIGHT OF WAY LINE OF ORANGE STREET AND SOUTH OF THE PROPOSED RIGHT OF WAY LINE OF COUNTY ROAD 510 AND THE EAST 1/2 OF THE EAST 30 FEET OF ORANGE STREET, AS SHOWN ON THE PLAT OF WEONA PARK, AS RECORDED IN PLAT BOOK 2, PAGE 17, OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA, AS ABANDONED BY RESOLUTION NO. 2006-165 RECORDED NOVEMBER 13, 2006 IN OFFICIAL RECORDS BOOK 2099, PAGE 1583, PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA.

BRISTOL BAY COMMERCIAL PARCEL 5:
A PARCEL OF LAND BEING A PORTION OF NARANJA SHELLMOUND BEACH, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 1, PAGE 6, OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA AND A PORTION OF SECTION 28 TOWNSHIP 31 SOUTH, RANGE 39 EAST, INDIAN RIVER COUNTY, FLORIDA, SAID PARCEL BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGIN AT THE INTERSECTION OF THE EAST RIGHT OF WAY LINE OF SUNRISE STREET AS SHOWN ON THE PLAT OF WEONA PARK, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 2, PAGE 17, OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA AND A POINT ON A LINE THAT IS 80.00 FEET SOUTHEASTERLY OF THE CENTERLINE OF COUNTY ROAD 510, THENCE NORTH 45 DEGREES 09'38" EAST, ALONG SAID LINE, A DISTANCE OF 327.49 FEET; THENCE SOUTH 44 DEGREES 51'49" EAST, A DISTANCE OF 271.17 FEET; THENCE NORTH 84 DEGREES 41'28" EAST, A DISTANCE OF 38.53 FEET; THENCE SOUTH 1/4 DEGREE 41'59" EAST, A DISTANCE OF 34.93 FEET TO THE POINT OF CURVATURE OF A CURVE, CONCAVE TO THE SOUTHWEST, HAVING A RADIUS OF 238.00 FEET; THENCE SOUTHEAST ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 25 DEGREES 19'02", A DISTANCE OF 105.10 FEET; THENCE SOUTH 17 DEGREES 17'46" WEST, THENCE SOUTH 1/4 DEGREE 16'59" EAST, A DISTANCE OF 42.49 FEET; THENCE SOUTH 22 DEGREES 16'03" WEST, THENCE SOUTH 17 DEGREES 28'04" EAST, A DISTANCE OF 51.72 FEET TO THE POINT OF CURVATURE OF A CURVE, CONCAVE TO THE EAST, HAVING A RADIUS OF 1063.00 FEET; THENCE SOUTH ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 0 DEGREES 09'11", A DISTANCE OF 84.65 FEET TO THE POINT OF CURVATURE OF A REVERSE CURVE, CONCAVE TO THE WEST, HAVING A RADIUS OF 115.00 FEET; THENCE SOUTHWEST, ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 22 DEGREES 16'03" WEST, THENCE SOUTH ALONG THE ARC OF SAID CURVE, A DISTANCE OF 38.04 FEET; THENCE SOUTH 67 DEGREES 09'12" WEST, A DISTANCE OF 24.87 FEET TO THE POINT OF CURVATURE OF A CURVE, CONCAVE TO THE SOUTHWEST, HAVING A RADIUS OF 115.00 FEET; THENCE SOUTH, ALONG THE ARC OF SAID CURVE, THROUGH A CENTRAL ANGLE OF 22 DEGREES 22'11" WEST, A DISTANCE OF 44.93 FEET; THENCE SOUTH 44 DEGREES 46'17" WEST, A DISTANCE OF 539.72 FEET TO A POINT ON THE WEST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 28 AND A POINT ON THE SOUTHERLY EXTENSION OF THE AFORESAID EAST RIGHT OF WAY LINE OF SUNRISE STREET; THENCE NORTH 0 DEGREES 20'31" WEST, ALONG SAID LINE A DISTANCE OF 691.61 FEET TO THE POINT OF BEGINNING.

TOGETHER WITH THE EAST 1/2 OF THE ABANDONED 46TH AVENUE FW/A SUNRISE STREET, LYING NORTH OF THE NORTH RIGHT OF WAY LINE OF ORANGE STREET AND SOUTH OF THE PROPOSED RIGHT OF WAY LINE OF COUNTY ROAD 510 AND THE EAST 1/2 OF THE EAST 30 FEET OF ORANGE STREET, AS SHOWN ON THE PLAT OF WEONA PARK, AS RECORDED IN PLAT BOOK 2, PAGE 17, OF THE PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA, AS ABANDONED BY RESOLUTION NO. 2006-165 RECORDED NOVEMBER 13, 2006, IN OFFICIAL RECORDS BOOK 2099, PAGE 1583, PUBLIC RECORDS OF INDIAN RIVER COUNTY, FLORIDA.



CERTIFIED TO:

1. TC BRIDGE BLVD, LLC
2. CHICAGO TITLE INSURANCE COMPANY
3. FRANK, WEINBERG & BLCK, P.L.

- ### LEGEND & ABBREVIATIONS
- SYMBOLS NOT SCALEABLE FOR SIZE
- | | | | |
|------|--------------------------------|--|------------------------|
| PLS | PROFESSIONAL LAND SURVEYOR | | CABLE TV BOX |
| PSM | PROFESSIONAL SURVEYOR & MAPPER | | CENTERLINE |
| LB | LAND SURVEYING BUSINESS | | (CM) CONCRETE MONUMENT |
| C | CENTERLINE | | CENTERLINE |
| B.M. | BENCHMARK | | ELECTRIC BOX |
| POB | POINT OF BEGINNING | | GATE VALVE |
| PCP | PERMANENT CONTROL POINT | | GUY WIRE |
| PRM | PERMANENT REFERENCE MONUMENT | | HYDRANT |
| IP | IRON PIPE | | IRON ROD & CAP |
| CM | CONCRETE MONUMENT | | MITERED END SECTION |
| FD | FOUND | | POINT OF INTERSECTION |
| (P) | PLAT | | SANITARY MANHOLE |
| (OA) | OVERALL | | STREET SIGN |
| R/W | RIGHT OF WAY | | SURFACE INLET |
| | TYPICAL ELEVATION | | TELEPHONE SERVICE |
| | WATER METER | | WELL |
| | WOOD UTILITY POLE | | EXOTIC |

MERIDIAN LAND SURVEYORS
1717 INDIAN RIVER BLVD, SUITE 201
VERO BEACH, FL. 32960 LB#6905
PHONE: 772-794-1213, FAX: 772-794-1096
EMAIL: INFO@ML-S-LB6905.COM

PROJECT# 21-042
DATE: 9/17/21
FB: 363 PG: 42
DRAWN BY: NIL
CHECKED BY: BM
SCALE: 1"=50'
SHEET 1 OF 1

GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.

PLAT OF SURVEY FOR
TC BRIDGE BLVD, LLC

NO.	DATE	TITLE REVIEW COMMENTS	DESCRIPTION	BY
1.	9/17/21			NIL

THIS SURVEY IS NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER NAMED BELOW.

BILLY M. MOODY
PROFESSIONAL LAND SURVEYOR #5336

9/17/2021