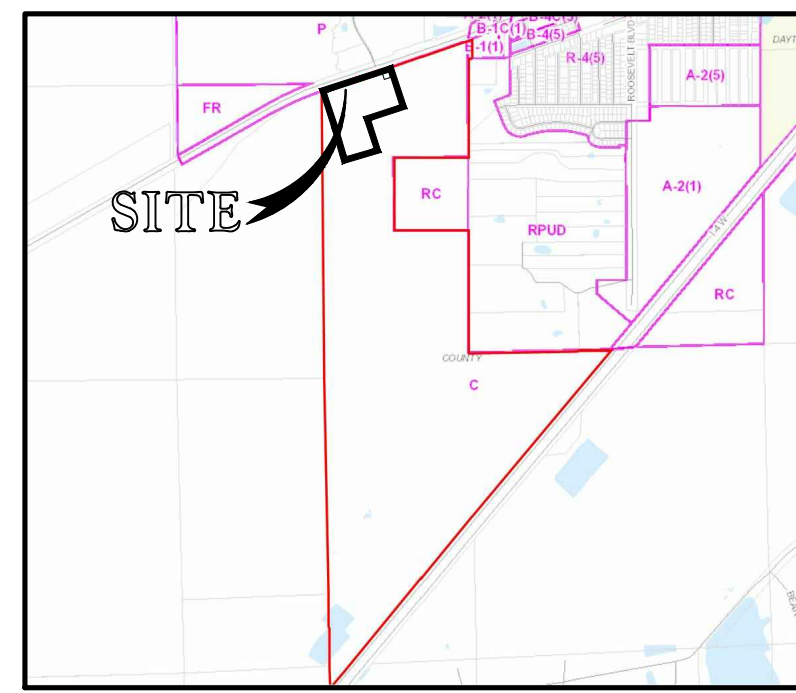


FIRST STEP HOMELESS ASSISTANCE SHELTER DAYTONA BEACH, FLORIDA FINAL SITE PLAN DEV #2017-104

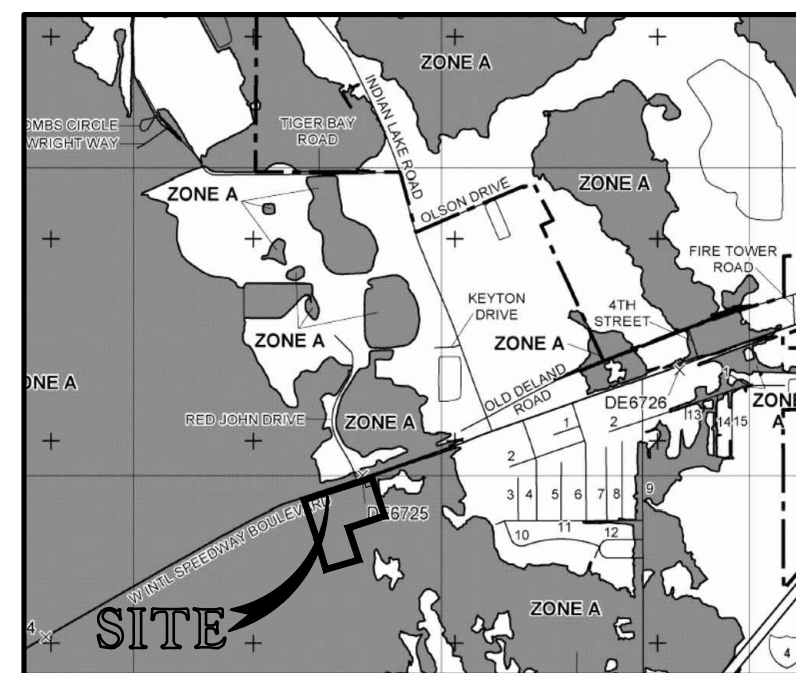
GENERAL NOTES

- EXISTING ZONING: C, VOLUSIA COUNTY
- BOUNDARY, AND TOPOGRAPHIC SURVEY BASED ON SURVEY PREPARED BY SLIGLER & ASSOCIATES, INC., DATED: 8/18/17.
- UNDERGROUND UTILITY LOCATIONS AS FIELD MARKED BY THE FOLLOWING COMPANIES OR THEIR REPRESENTATIVES:

FLORIDA POWER & LIGHT COMPANY	3000 SPRUCE CREEK ROAD
PORT ORANGE, FL. 32129	(386) 322-3425
AT&T	900 N. NOVA ROAD
DAYTONA BEACH, FL. 32117	(386) 257-7950
SPECTRUM	1475 S. NOVA ROAD
DAYTONA BEACH, FL. 32114	(386) 760-9941
TECO PEOPLES GAS	1722 RIDGEWOOD AVE
HOLLY HILL, FL. 32117	(386) 527-8377
CITY OF DAYTONA BEACH	950 BELLEVUE ROAD
DAYTONA BEACH, FL. 32114	(386) 671-8635
- LOCATIONS OF EXISTING UTILITIES ARE SHOWN BASED ON AVAILABLE DATA.
- IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES AND TO DETERMINE IF OTHER UTILITIES WILL BE ENCOUNTERED DURING THE COURSE OF THE WORK AND TAKE WHATEVER STEPS NECESSARY TO PROVIDE FOR THEIR PROTECTION (I.E. SHEETING, DE-WATERING, ETC.). CONTRACTOR TO NOTIFY DESIGN ENGINEER OF ANY DISCREPANCIES OR CONFLICTS.
 CONTRACTOR TO COORDINATE DEMOLITION AND CONSTRUCTION WITH ALL PUBLIC AND PRIVATE UTILITY COMPANIES TO AVOID CONFLICTS AND/OR INTERRUPTIONS OF SERVICE.
- CONTRACTOR TO PROVIDE AS BUILT DRAWINGS OF ALL IMPROVEMENTS ON 24" X 36" MYLAR, SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR.
- THERMOPLASTIC STRIPING AND TRAFFIC CONTROL SIGNAGE TO MEET FDOT AND CITY OF DAYTONA BEACH SPECIFICATIONS.
- TRAFFIC CONTROL SIGNS TO BE IN ACCORDANCE WITH F.D.O.T. STANDARD SPECIFICATIONS. ALL STOP SIGNS, SPEED LIMIT AND STREET SIGNS REQUIRED TO BE PROVIDED BY DEVELOPER TO CITY OF DAYTONA BEACH SPECIFICATIONS.
- ALL TRAFFIC CONTROL SIGNS SHALL BE FABRICATED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES USING 3M BRAND "SCOTCHLIGHT" SHEETING (ENGINEER GRADE) ON MINIMUM 0.080 GAUGE 5052-H38 ALUMINUM BLANKS. ALL STOP SIGNS SHALL BE HIGH INTENSITY 30" OCTAGON INSTALLED ON 12", 3 LBS./FT. "U" CHANNEL POSTS (RAIL STEEL ONLY) OR 3" X 12", ROUND ALUMINUM POSTS. "U" CHANNEL POSTS MAY BE USED FOR ALL SIGNS SMALLER THAN 36" X 48". ALL WARNING SIGNS SHALL BE 30" X 30".
- THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND/OR LICENSES TO COMMENCE CONSTRUCTION.
- ALL CONCRETE SHALL DEVELOP A 28-DAY COMPRESSIVE STRENGTH OF 3,500 PSI UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE, AT ALL TIMES, ONE COPY OF PLANS, SPECIFICATIONS, AND COPIES OF ANY REQUIRED CONSTRUCTION PERMITS.
- CONTRACTOR IS RESPONSIBLE FOR CHECKING ACTUAL SITE CONDITIONS BEFORE STARTING CONSTRUCTION.
- ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE COMMENCING WORK.
- NO FIELD CHANGES OR DEVIATIONS FROM DESIGN TO BE MADE WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



ZONING MAP



FLOOD MAP

FEMA MAP NUMBER 12127C0350H
 MAP REVISED FEBRUARY 19, 2014
 ZONE X &
 *ZONE A - NO BASE FLOOD ELEVATION DETERMINED

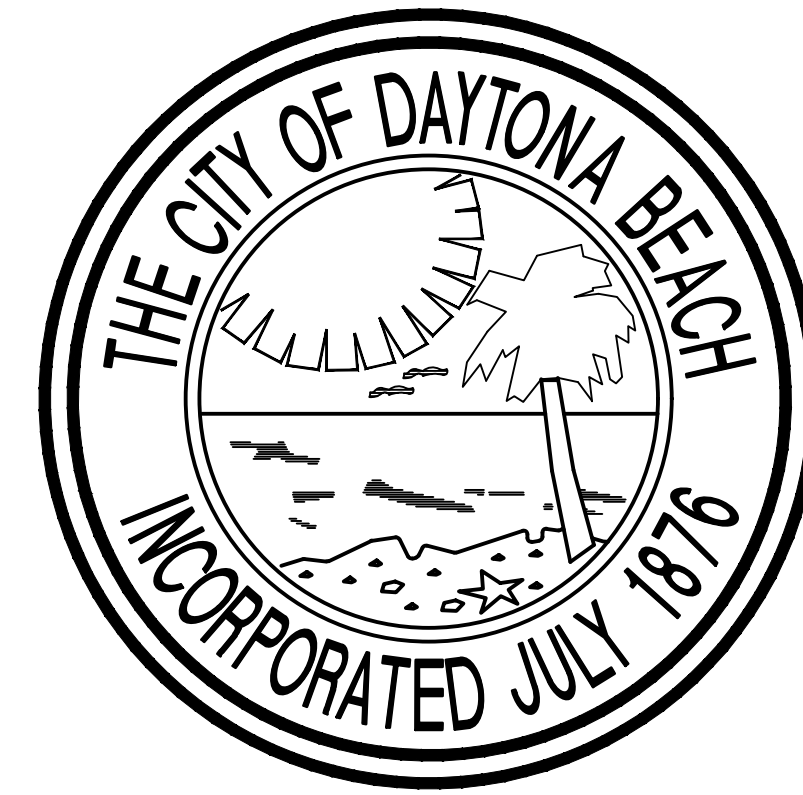
*NOTE: DESIGN CALCULATIONS DETERMINED 100 YR FLOOD ELEVATION IS 39.00 MSL.



LOCATION MAP

NOTE:
 NO CONSTRUCTION ON THE PROPOSED PORTIONS OF THIS PROJECT MAY COMMENCE UNTIL A MANDATORY PRE-CONSTRUCTION MEETING IS HELD WITH THE CITY, AS STATED IN THE APPROVED DEVELOPMENT ORDER FROM THE CITY OF DAYTONA BEACH. ANY CESSATION OF CONTINUOUS ON-GOING CONSTRUCTION ON THIS PROJECT OF 90 DAYS OR MORE SHALL TRIGGER A REQUIREMENT FOR ANOTHER PRE-CONSTRUCTION MEETING BE HELD WITH THE CITY PRIOR TO CONTINUATION OF THE CONTINUING CONSTRUCTION.

PARKER MYNCHENBERG & ASSOCIATES, INC.
 PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS
 1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117
 (386) 677-6891 FAX (386) 677-2114
 E-MAIL: info@parkermynchenberg.com
 CERTIFICATE OF AUTHORIZATION NUMBER 00003910



LAND USE TABULATION

SITE AREA	= 10.35 ACRES = 450,977 S.F.
PROPOSED BUILDING:	
PHASE 1	= 17,924 S.F.
PHASE 2	= 9,624 S.F.
TOTAL	= 27,548 S.F. = 6.1% COVERAGE
IMPERVIOUS AREA:	
PHASE 1 BUILDING	= 17,924 S.F.
PHASE 1 SIDEWALKS, DRIVES & PARKING	= 66,888 S.F.
TOTAL PHASE 1 IMPERVIOUS	= 84,812 S.F. = 18.8%
PHASE 2 BUILDING	= 9,624 S.F.
PHASE 2 PAVEMENT	= 34,588 S.F.
SUB TOTAL PHASE 2 IMPERVIOUS	= 44,212 S.F.
TOTAL IMPERVIOUS AREA	= 129,024 S.F. = 28.6%
TOTAL LANDSCAPE AREA	= 321,953 S.F. = 71.4%
TAX PARCEL #	#01-16-31-00-00-0020

PROJECT DESCRIPTION

CONSTRUCTION OF A 1-STORY 17,924 S.F. (PHASE 1) BUILDING & ASSOCIATED PAVING, DRAINAGE, UTILITY, LANDSCAPE, SIGNAGE & SIDEWALK IMPROVEMENTS.

PROJECT ADDRESSES

FIRST STEP SHELTER: 3889 WEST INTERNATIONAL SPEEDWAY BLVD.
 SANITARY LIFT STATION: 3887 WEST INTERNATIONAL SPEEDWAY BLVD.

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	BOUNDARY SURVEY
3	TOPOGRAPHIC SURVEY
4	DEMOLITION & EROSION CONTROL PLAN
5	SITE PLAN
6	CIVIL SITE PLAN
6A	I.S.B. IMPROVEMENT PLAN
7	UTILITY SITE PLAN
8	LANDSCAPE PLAN
8A	SIGHT LINE PLAN
9	LANDSCAPE DETAILS
10-13B	PAVING & DRAINAGE DETAILS
14-15	WATER STANDARD DETAILS
16-17	SEWER STANDARD DETAILS
18	SUMMARY OF PAY ITEMS PHASE 1

GENERAL INFORMATION

PROJECT NAME:

FIRST STEP HOMELESS ASSISTANCE SHELTER FINAL SITE PLAN
 3889 WEST INTERNATIONAL SPEEDWAY BOULEVARD
 DAYTONA BEACH, FLORIDA, 32124

OWNER

CITY OF DAYTONA BEACH
 P.O. BOX 2451
 DAYTONA BEACH, FLORIDA 32115-2451
 (386) 671-8010 FAX (386) 671-8015

DESIGN ENGINEER/ LANDSCAPE ARCHITECT:

PARKER MYNCHENBERG & ASSOC., INC.
 PARKER MYNCHENBERG, P.E. #32645, L.A.#1553
 CERTIFICATE OF AUTHORIZATION #3910
 1729 RIDGEWOOD AVENUE
 HOLLY HILL, FLORIDA 32117
 (386) 677-6891 FAX (386) 677-2114
 E-MAIL: info@parkermynchenberg.com

SURVEYOR:

SLIGLER AND ASSOCIATES, INC.
 PROFESSIONAL LAND SURVEYORS
 3921 NOVA ROAD
 PORT ORANGE, FL 32127
 (386) 761-5385

ARCHITECT:

HALL & OGLE ARCHITECTS, INC.
 208 MAGNOLIA AVENUE
 DAYTONA BEACH, FLORIDA 32114
 (386)255-6163 FAX (386)257-5650
 AA-C000925

DEVELOPMENT CONSULTANT:

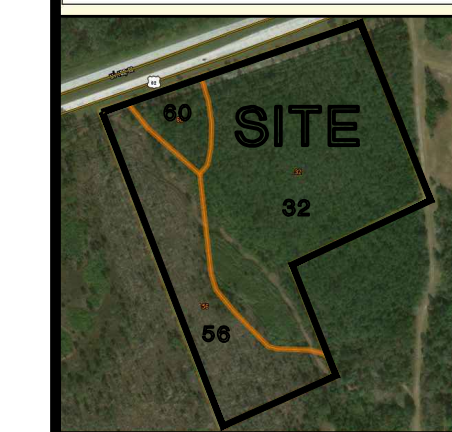
DOUGLAS P. KURTOCK
 E-ZONE MAINTENANCE & OPERATIONS MANAGER
 CONSTRUCTION PROJECT & DEVELOPMENT MANAGER
 CITY OF DAYTONA BEACH
 13 S. ATLANTIC AVENUE
 DAYTONA BEACH, FLORIDA 32118
 (386)671-3570 CELL (304)964-5685
 E-MAIL: KurtocDoug@codb.us

PARKING CALCULATION

PARKING REQUIRED:
 PHASE 1
 120 BED @ 1/4 = 30 SPACES
 EMPLOYEES = 14 SPACES
 TOTAL PARKING
 REQUIRED PHASE 1 = 44 SPACES

PARKING PROVIDED:
 STANDARD = 44
 HANDICAPPED = 4
 TOTAL = 48 SPACES

Map Unit Name	Acres	Percent of ADU
32 Myakka-Myakka, wet, fine sand, 0 to 2 percent slopes	13.9	63.5%
56 Sandhills muck, frequently ponded, 0 to 5 percent slopes	5.3	30.0%
50 St Johns-Sivanna, wet, fine sand, 0 to 2 percent slopes	1.3	6.5%
Totals for Area of Interest	17.2	100.0%



SOILS MAP

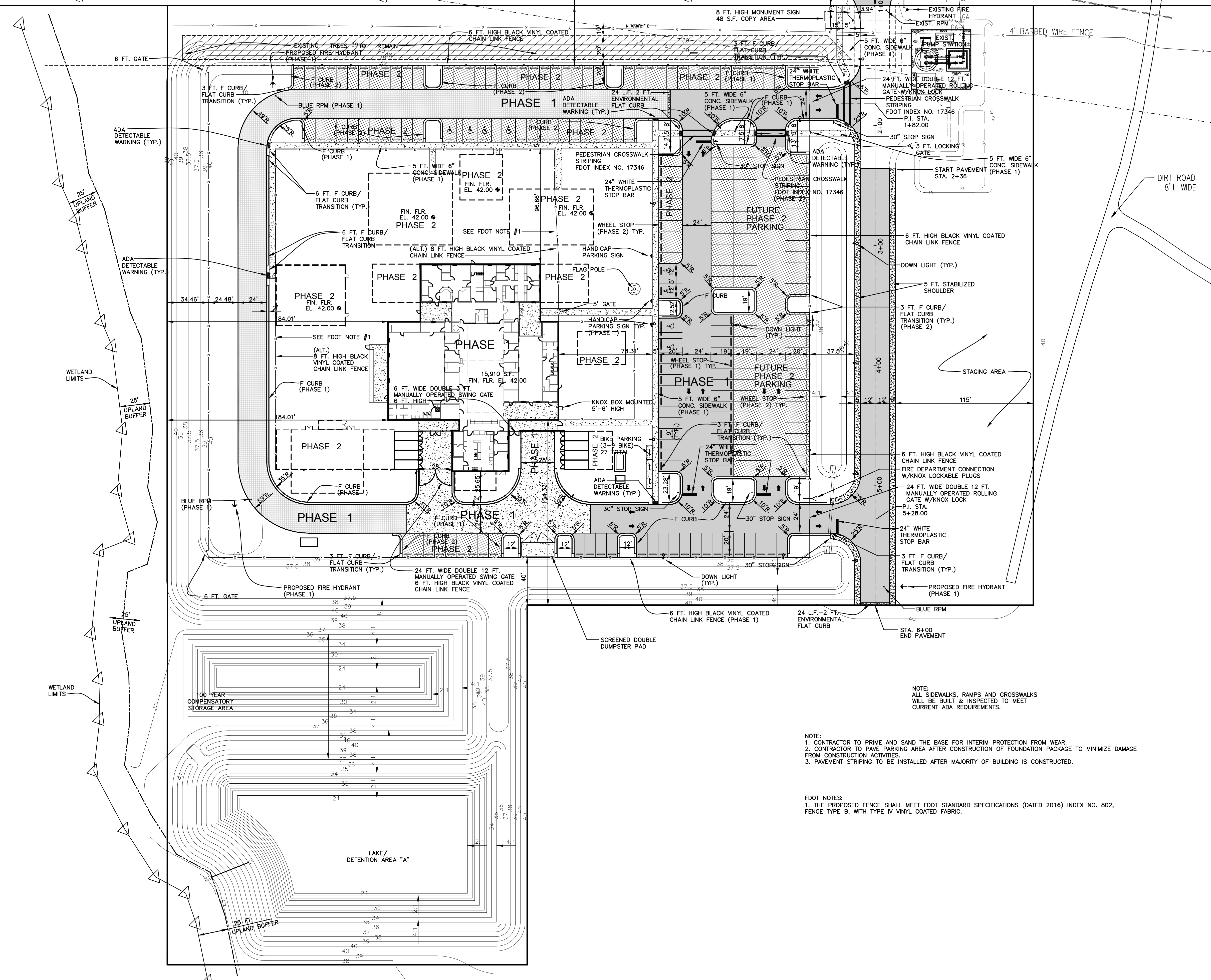
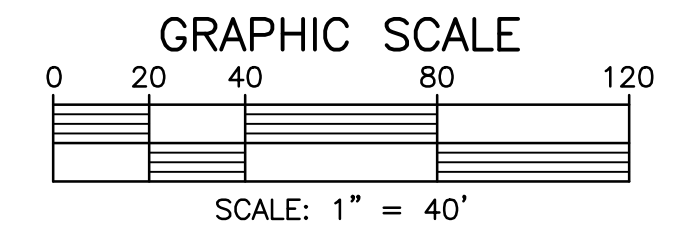
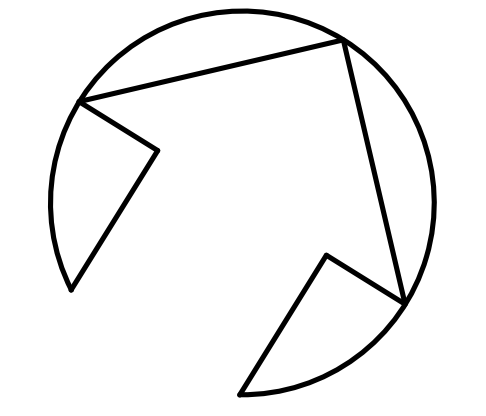
DEV #2017-104
 CITY APPROVAL STAMP

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3	12/5/17	REVISED PHASE 1 PARKING	BVB
2	10/12/17	REVISED PER CITY COMMENTS	BVB
1	10/11/17	REVISED PER SJRWMD	BVB

R E V I S I O N S

COVER SHEET	
FIRST STEP HOMELESS ASSISTANCE SHELTER DAYTONA BEACH * FLORIDA	
FILE: 1622CS.DWG	DESIGNER: P.MYNCHENBERG
DATE: 7/12/17	CADD TECH: BVB
SCALE: NONE	SHEET 1 OF 18

U.S. HIGHWAY 92/I.S.B.
VARIABLE WIDTH RIGHT OF WAY



LEGEND

	1-1/2" TYPE SP 9.5 ASPHALTIC CONCRETE SURFACE COURSE
	6" CRUSHED CONCRETE BASE COURSE LBR 140
	6" COMPACTED SUBBASE LBR 40 OR FBV 75 P.S.I.
	5 FT. WIDE 6" STABILIZED SHOULDER FBV 75 P.S.I.
	24 FT. WIDE 8" CRUSHED CONCRETE BASE LBR 140 10" COMPACTED SUBBASE LBR 40 OR FBV 75 P.S.I. (PHASE 1)
	6" CONCRETE 3,500 P.S.I. ON COMPACTED BASE COMPACTED TO 98% AASHTO T-180
	FUTURE PHASE 2 PARKING

NOTE:
1. CONTRACTOR TO PRIME AND SAND THE BASE FOR INTERIM PROTECTION FROM WEAR.
2. CONTRACTOR TO PAVE PARKING AREA AFTER CONSTRUCTION OF FOUNDATION PACKAGE TO MINIMIZE DAMAGE FROM CONSTRUCTION ACTIVITIES.
3. PAVEMENT STRIPING TO BE INSTALLED AFTER MAJORITY OF BUILDING IS CONSTRUCTED.

FDOT NOTES:
1. THE PROPOSED FENCE SHALL MEET FDOT STANDARD SPECIFICATIONS (DATED 2016) INDEX NO. 802, FENCE TYPE B, WITH TYPE IV VINYL COATED FABRIC.

NOTE:
ALL SIDEWALKS, RAMPS AND CROSSWALKS WILL BE BUILT & INSPECTED TO MEET CURRENT ADA REQUIREMENTS.

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2	10/12/17	REVISED PER CITY COMMENTS	BVB
1	10/11/17	REVISED PER SURWMD	BVB

REVISIONS

PARKER MYNCHENBERG & ASSOCIATES, INC.
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS
1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117
(386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com
CERTIFICATE OF AUTHORIZATION NUMBER: 00003910

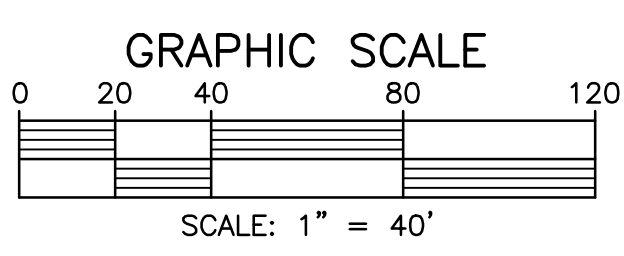
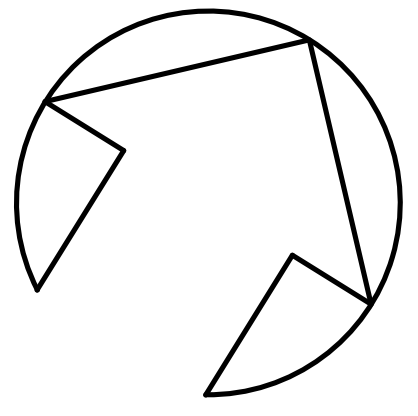
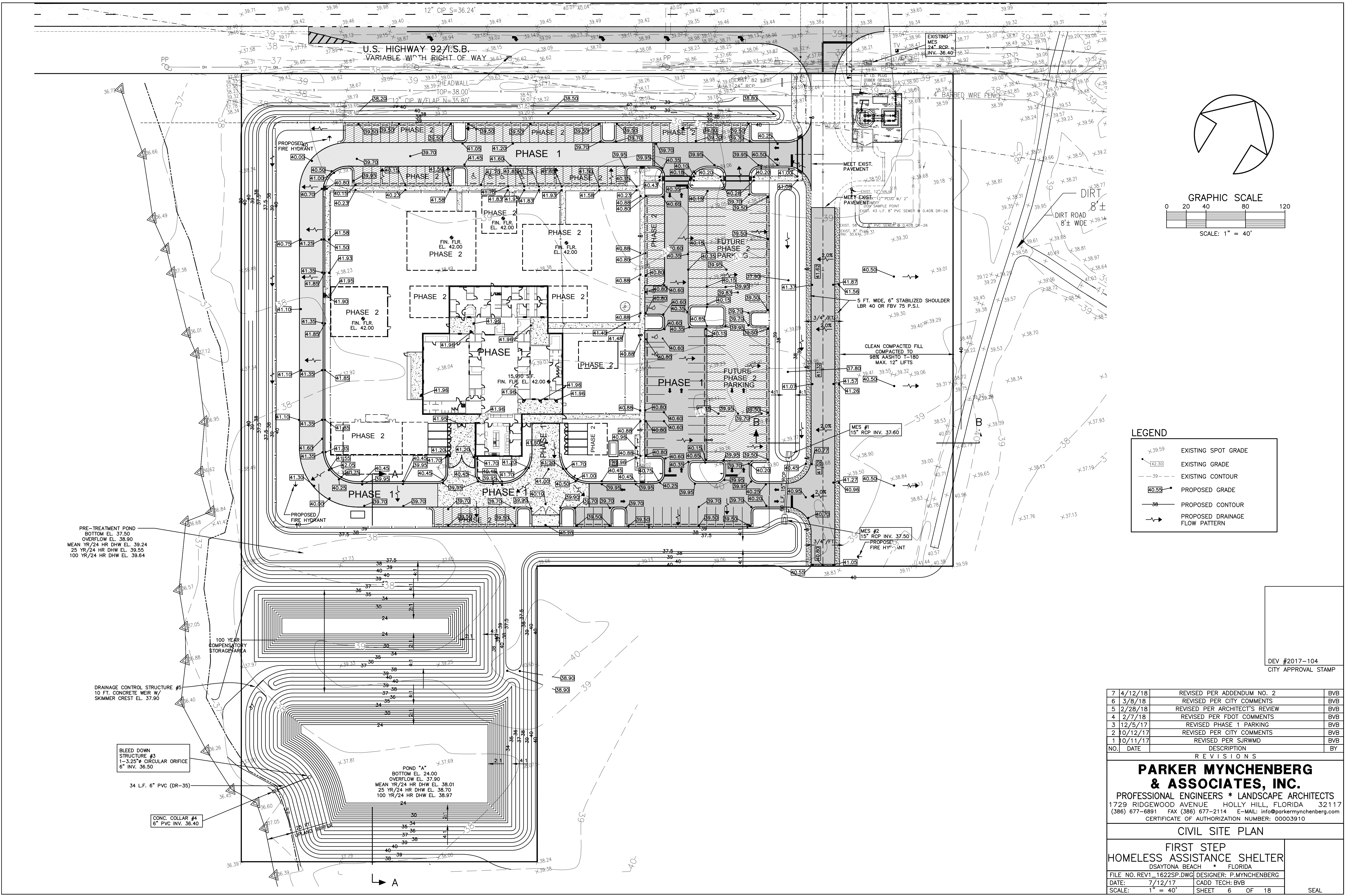
SITE PLAN

FIRST STEP HOMELESS ASSISTANCE SHELTER
DSAYTONA BEACH * FLORIDA

FILE NO. REV1_1622SP.DWG	DESIGNER: P.MYNCHENBERG
DATE: 7/12/17	CADD TECH: BVB
SCALE: 1" = 40'	SHEET 5 OF 18

SEAL

Z:\Briuce\B Work\FIRST STEP FINAL SITE PLAN\REV1_1622SP.dwg, FIRST STEP SP 40"CS, 4/16/2018 8:29:50 AM, DWG to PDF.pc3, ARCH full bleed D (36.00 x 24.00 inches), 1:40



LEGEND

	EXISTING SPOT GRADE
	EXISTING GRADE
	EXISTING CONTOUR
	PROPOSED GRADE
	PROPOSED CONTOUR
	PROPOSED DRAINAGE FLOW PATTERN

PRE-TREATMENT POND
 BOTTOM EL. 37.50
 OVERFLOW EL. 38.90
 MEAN YR/24 HR DHW EL. 39.24
 25 YR/24 HR DHW EL. 39.55
 100 YR/24 HR DHW EL. 39.64

BLEED DOWN
 STRUCTURE #3
 1-3.25" CIRCULAR ORIFICE
 6" INV. 36.50

CONC. COLLAR #4
 6" PVC INV. 36.40

POND "A"
 BOTTOM EL. 24.00
 OVERFLOW EL. 37.90
 MEAN YR/24 HR DHW EL. 38.01
 25 YR/24 HR DHW EL. 38.70
 100 YR/24 HR DHW EL. 38.97

100 YEAR
 COMPENSATORY
 STORAGE AREA

DRAINAGE CONTROL STRUCTURE #5
 10 FT. CONCRETE WEIR W/
 SKIMMER CREST EL. 37.90

DEV #2017-104
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REVISIONS

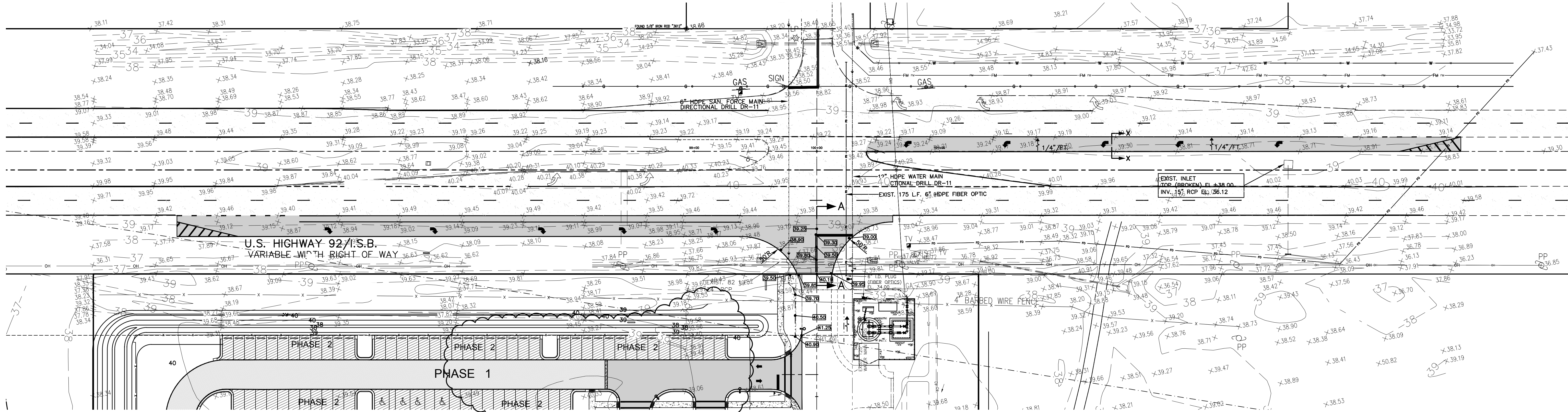
PARKER MYNCHENBERG & ASSOCIATES, INC.
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 (386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com
 CERTIFICATE OF AUTHORIZATION NUMBER: 00003910

CIVIL SITE PLAN

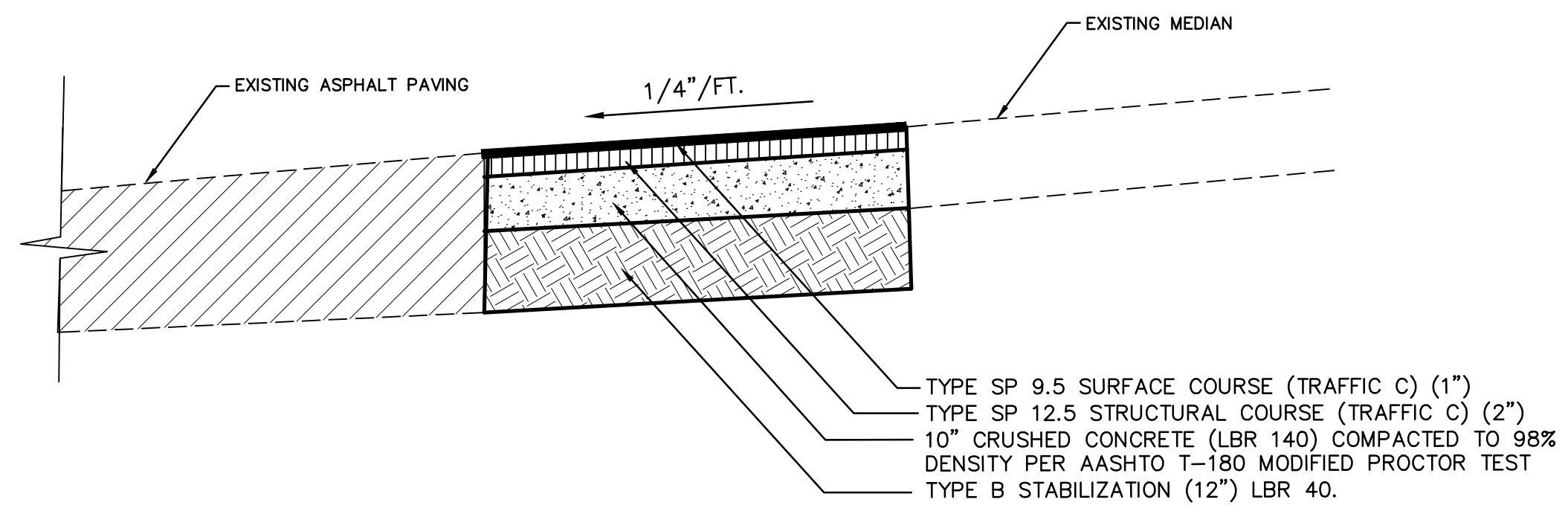
**FIRST STEP
 HOMELESS ASSISTANCE SHELTER**
 DSAYTONA BEACH * FLORIDA

FILE NO. REV1_1622SP.DWG	DESIGNER: P.MYNCHENBERG
DATE: 7/12/17	CADD TECH: BVB
SCALE: 1" = 40'	SHEET 6 OF 18

SEAL



SEE SITE PLAN SHEETS 5 & 6 FOR PAVING SPECIFICATIONS ON THIS SITE

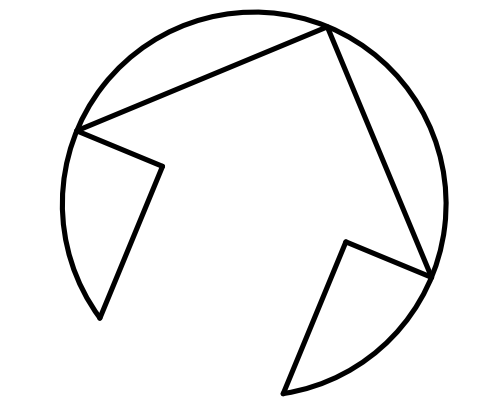


TYPICAL FDOT PAVEMENT SECTION X-X

LEGEND

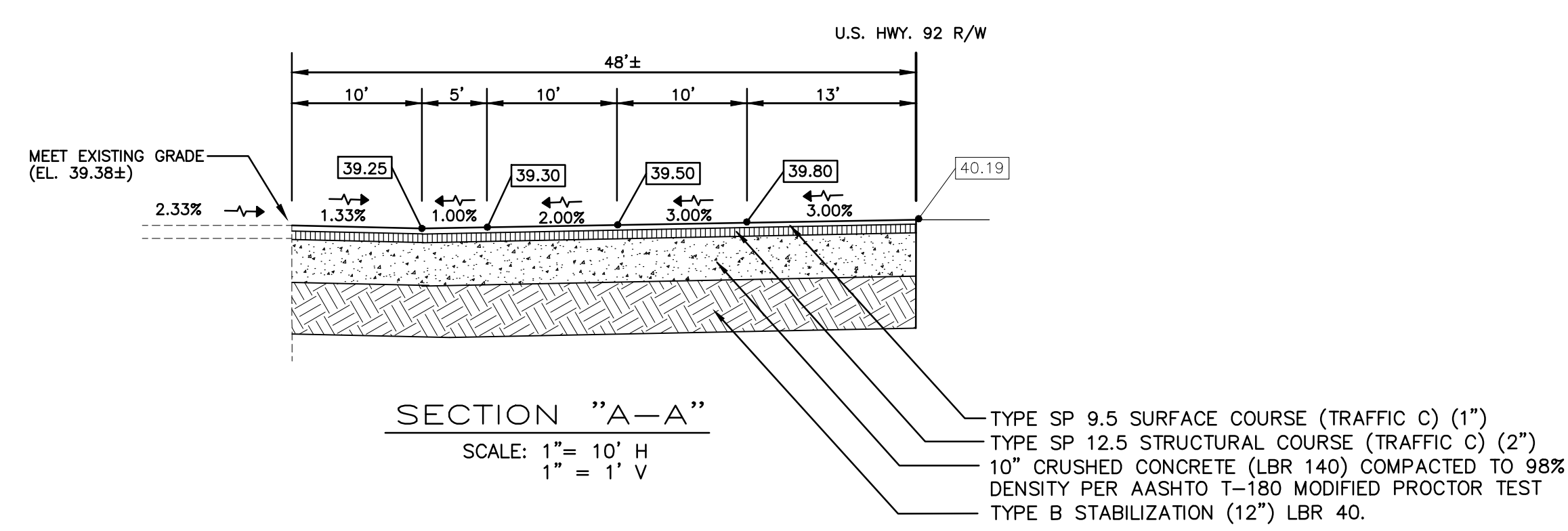


- TYPE SP 9.5 SURFACE COURSE (TRAFFIC C) (1")
- TYPE SP 12.5 STRUCTURAL COURSE (TRAFFIC C) (2")
- 10" CRUSHED CONCRETE (LBR 140) COMPACTED TO 98% DENSITY PER AASHTO T-180 MODIFIED PROCTOR TEST TYPE B STABILIZATION (12") LBR 40



GRAPHIC SCALE
SCALE: 1" = 40'

DEV #2017-104
CITY APPROVAL STAMP



SECTION "A-A"
SCALE: 1" = 10' H
1" = 1' V

- TYPE SP 9.5 SURFACE COURSE (TRAFFIC C) (1")
- TYPE SP 12.5 STRUCTURAL COURSE (TRAFFIC C) (2")
- 10" CRUSHED CONCRETE (LBR 140) COMPACTED TO 98% DENSITY PER AASHTO T-180 MODIFIED PROCTOR TEST TYPE B STABILIZATION (12") LBR 40

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REVISIONS

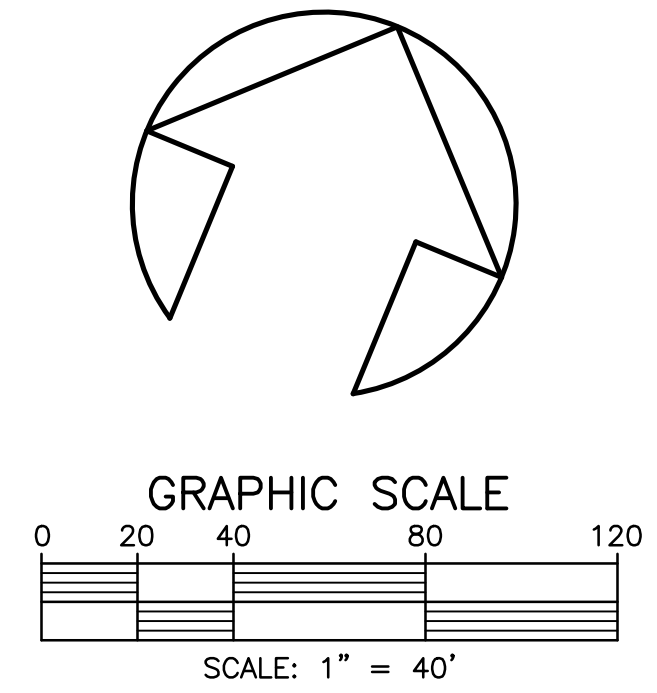
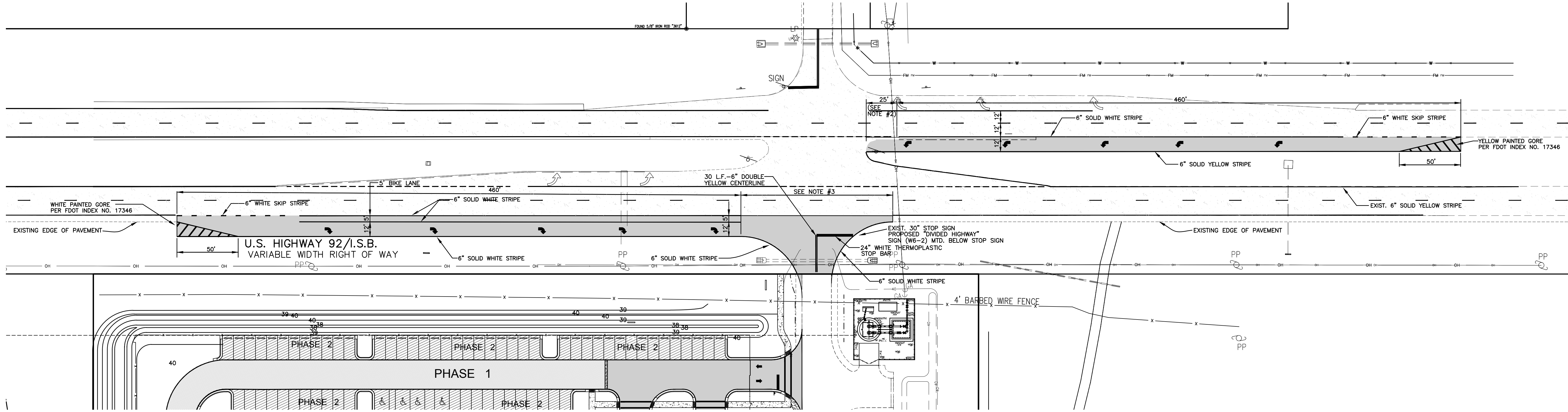
PARKER MYNCHENBERG & ASSOCIATES, INC.
 PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS
 1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117
 (386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com
 CERTIFICATE OF AUTHORIZATION NUMBER: 00003910

I.S.B. IMPROVEMENT PLAN

FIRST STEP HOMELESS ASSISTANCE SHELTER
 DAYTONA BEACH * FLORIDA

FILE NO. 1622SP.DWG	DESIGNER: P.MYNCHENBERG
DATE: 7/12/17	CADD TECH: BVB
SCALE: 1"=30'	SHEET 6A OF 18

SEAL



DEV #2017-104
CITY APPROVAL STAMP

NOTE:
1. ALL AFFECTED SIDEWALKS, RAMPS AND CROSSWALKS SHALL BE BUILT AND INSPECTED TO MEET CURRENT ADA REQUIREMENTS.
2. A MINIMUM QUEUE LENGTH OF ONE VEHICLE IS REQUIRED.
3. NO STRIPING SHALL BE INSTALLED IN FRONT OF THE NEW DRIVEWAY CONNECTION.

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PARKER MYNCHENBERG & ASSOCIATES, INC.
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS
1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117
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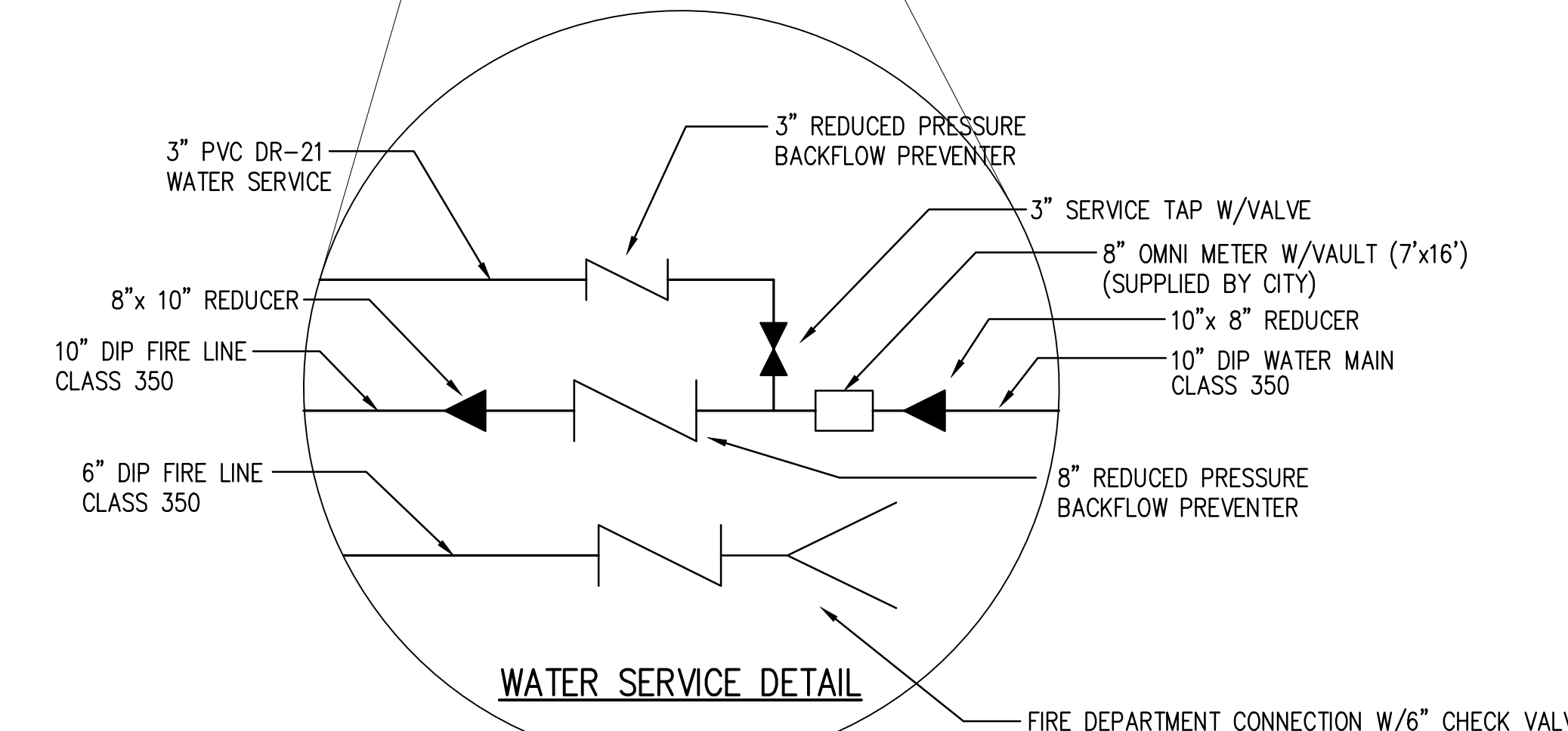
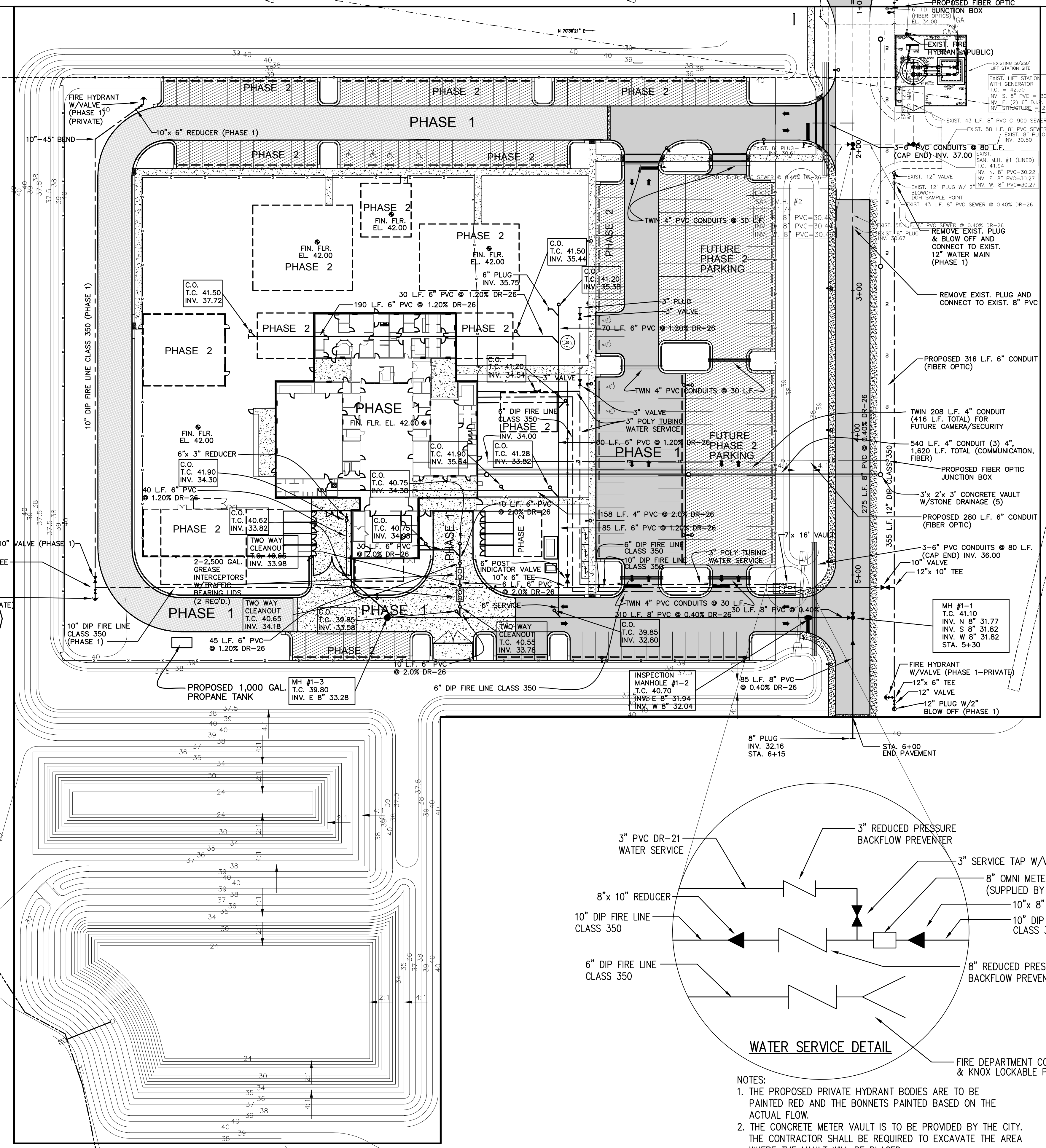
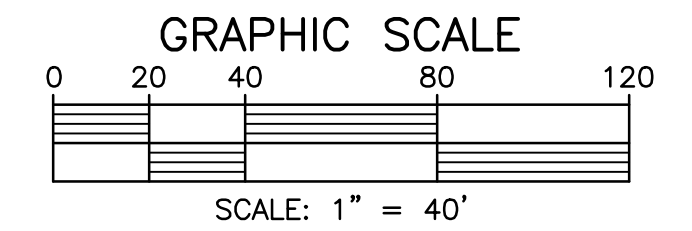
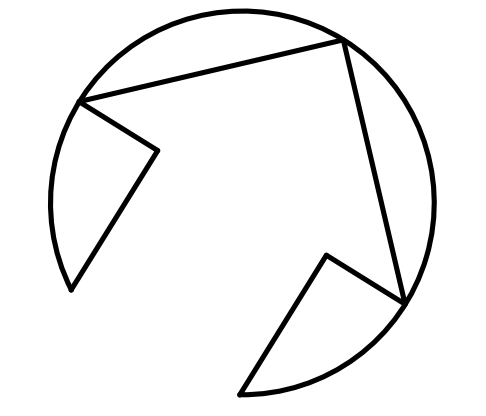
I.S.B. STRIPING PLAN

FIRST STEP HOMELESS ASSISTANCE SHELTER
DAYTONA BEACH * FLORIDA

FILE NO. 1622SP.DWG	DESIGNER: P.MYNCHENBERG
DATE: 7/12/17	CADD TECH: BVB
SCALE: 1"=30'	SHEET 6B OF 18

SEAL

U.S. HIGHWAY 92/I.S.B.
VARIABLE WIDTH RIGHT OF WAY



- NOTES:
1. THE PROPOSED PRIVATE HYDRANT BODIES ARE TO BE PAINTED RED AND THE BONNETS PAINTED BASED ON THE ACTUAL FLOW.
 2. THE CONCRETE METER VAULT IS TO BE PROVIDED BY THE CITY. THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE THE AREA WHERE THE VAULT WILL BE PLACED.

DEV #2017-104
CITY APPROVAL STAMP

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REVISIONS

PARKER MYNCHENBERG & ASSOCIATES, INC.
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS
1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117
(386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com
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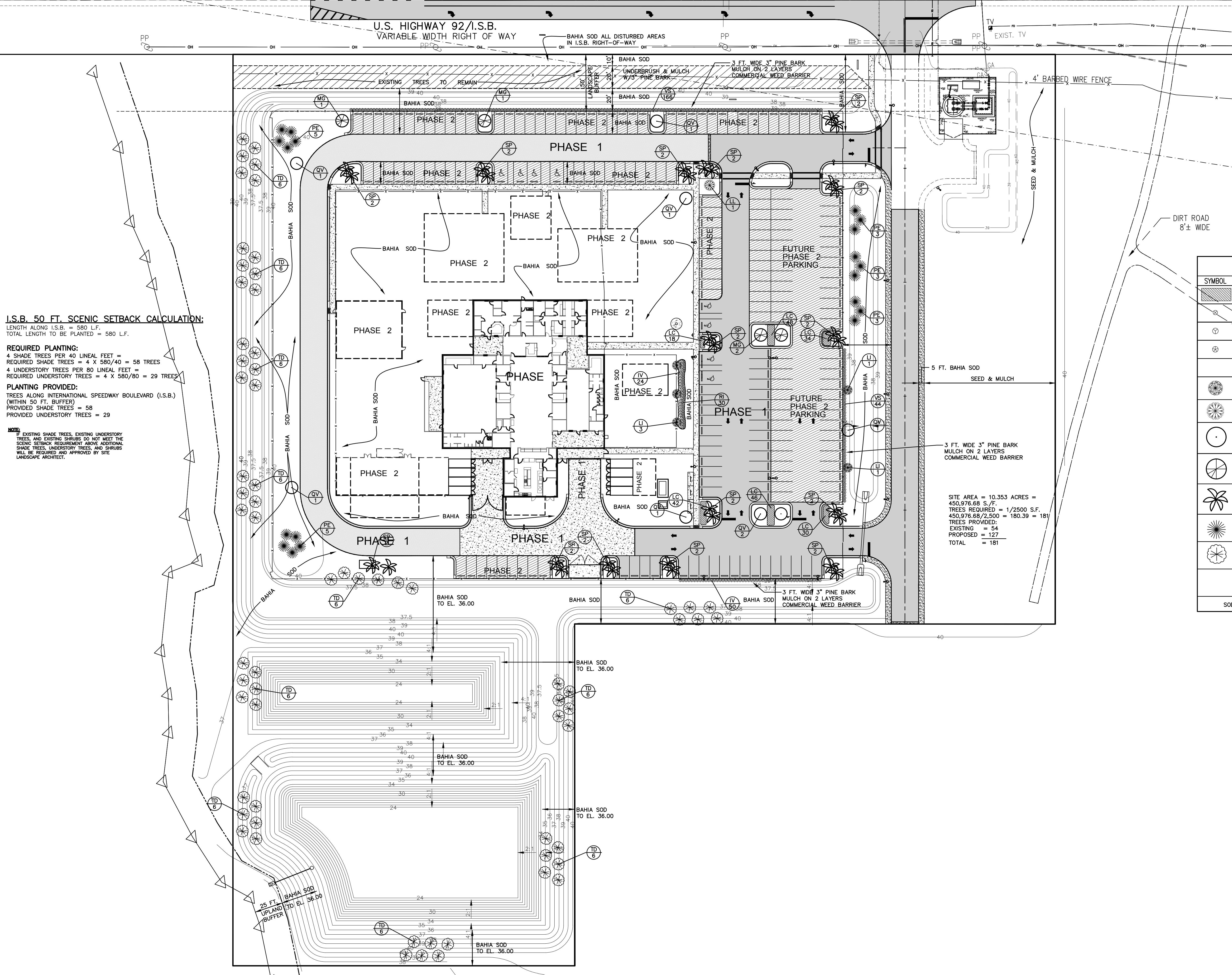
UTILITY SITE PLAN

FIRST STEP HOMELESS ASSISTANCE SHELTER
DAYSOTNA BEACH * FLORIDA

FILE NO. REV1_1622SP.DWG	DESIGNER: P.MYNCHENBERG
DATE: 7/12/17	CADD TECH: BVB
SCALE: 1" = 40'	SHEET 7 OF 18

SEAL

Z:\Briice\B Work\FIRST STEP FINAL SITE PLAN\REV1_1622SP.dwg, FIRST STEP SP-40'CS, 4/16/2018 8:37:07 AM, DWG to PDF.pc3, ARCH full bleed D (36.00 x 24.00 inches), 1:40



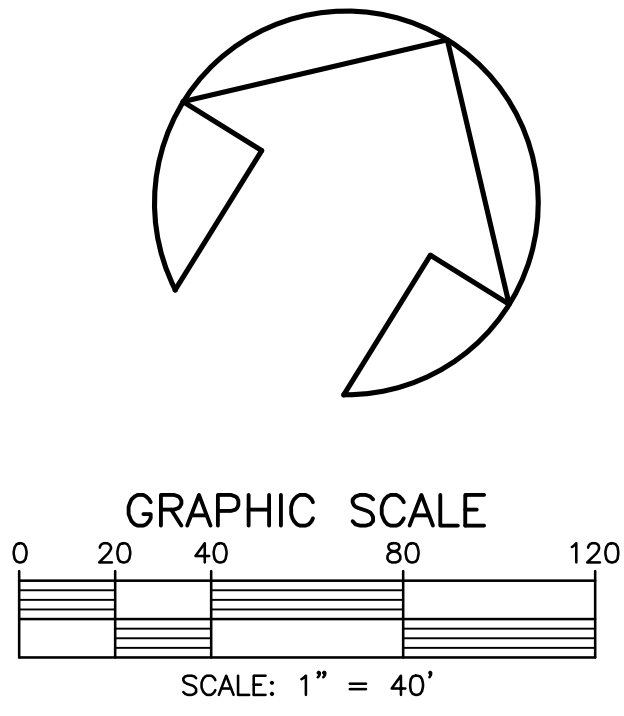
I.S.B. 50 FT. SCENIC SETBACK CALCULATION:
 LENGTH ALONG I.S.B. = 580 L.F.
 TOTAL LENGTH TO BE PLANTED = 580 L.F.

REQUIRED PLANTING:
 4 SHADE TREES PER 40 LINEAL FEET = 58 TREES
 4 UNDERSTORY TREES PER 80 LINEAL FEET = 29 TREES

PLANTING PROVIDED:
 TREES ALONG INTERNATIONAL SPEEDWAY BOULEVARD (I.S.B.) (WITHIN 50 FT. BUFFER)
 PROVIDED SHADE TREES = 58
 PROVIDED UNDERSTORY TREES = 29

NOTE: IF EXISTING SHADE TREES, EXISTING UNDERSTORY TREES, AND EXISTING SHRUBS DO NOT MEET THE SCENIC SETBACK REQUIREMENT ABOVE ADDITIONAL SHADE TREES, UNDERSTORY TREES, AND SHRUBS WILL BE REQUIRED AND APPROVED BY SITE LANDSCAPE ARCHITECT.

SITE AREA = 10.353 ACRES = 450,976.68 S.F.
 TREES REQUIRED = 1/2500 S.F. 450,976.68/2,500 = 180.39 = 181
 TREES PROVIDED:
 EXISTING = 54
 PROPOSED = 127
 TOTAL = 181



PLANT LIST					
SYMBOL	ABB.	QTY.	BOTANICAL NAME	COMMON NAME	SIZE
[Symbol]	LC	202	LANTANA CAMARA	LANTANA	1 GAL., 12"-15" SPD. 20" O.C.
[Symbol]	RI*	30	RAPHIOLEPIS INDICA	INDIAN HAWTHORN	3 GAL., 24" O.C. 10" HT. MIN.
[Symbol]	IV*	74	ILEX VOMITORIA	YAUPOH HOLLY	3 GAL., 30" O.C. 24" HT. MIN.
[Symbol]	VS	210	VIBURNUM SUSPENSUM	SANDANKWA VIBURNUM	3 GAL., 30" O.C. 24" HT. MIN.
[Symbol]	LI	5	LAGERSTROEMIA INDICA	GRAPE MYRTLE	15 GAL. MIN., MULTI-TRUNK 6"-8" HT.
[Symbol]	LL	1	LIGUSTUM LUCIDUM	LIGUSTRUM TREE	15 GAL. MIN., MULTI-TRUNK 5' HT.
[Symbol]	QV*	8	QUERCUS VIRGINIANA	LIVE OAK	30 GAL., 12"-11" HT. 2" MIN. CAL.
[Symbol]	QV1*	-			65 GAL., 12"-13" HT. 2.7"-3" MIN. CAL.
[Symbol]	MG*	4	MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA	30 GAL., 8"-9" HT. 2.5" MIN. CAL.
[Symbol]	MG1*	-			65 GAL., 11"-12" HT. 3"-3.5" MIN. CAL.
[Symbol]	SP*	30	SABAL PALMETTO	SABAL PALM	14"-16" CLEAN TRUNK
[Symbol]	PE*	19	PINUS ELLIOTTI	SLASH PINE	15 GAL., 7"-8" HT. 2"-2.5" MIN. CAL.
[Symbol]	TD*	66	TAXODIUM DISTICHUM	BALD CYPRESS	30 GAL., 9.5"-10" HT. 2.5"-2.75" MIN. CAL.
[Symbol]	SOD		ARGENTINE BAHIA		

* DENOTES XERIC/DROUGHT TOLERANT PLANT

DEV #2017-104
 CITY APPROVAL STAMP

NO.	DATE	DESCRIPTION	BY
7	4/12/18	REVISED PER ADDENDUM NO. 2	BVB
6	3/8/18	REVISED PER CITY COMMENTS	BVB
5	2/28/18	REVISED PER ARCHITECT'S REVIEW	BVB
4	2/7/18	REVISED PER FDOT COMMENTS	BVB
3	12/5/17	REVISED PHASE 1 PARKING	BVB
2	10/12/17	REVISED PER CITY COMMENTS	BVB
1	10/11/17	REVISED PER SURWMD	BVB

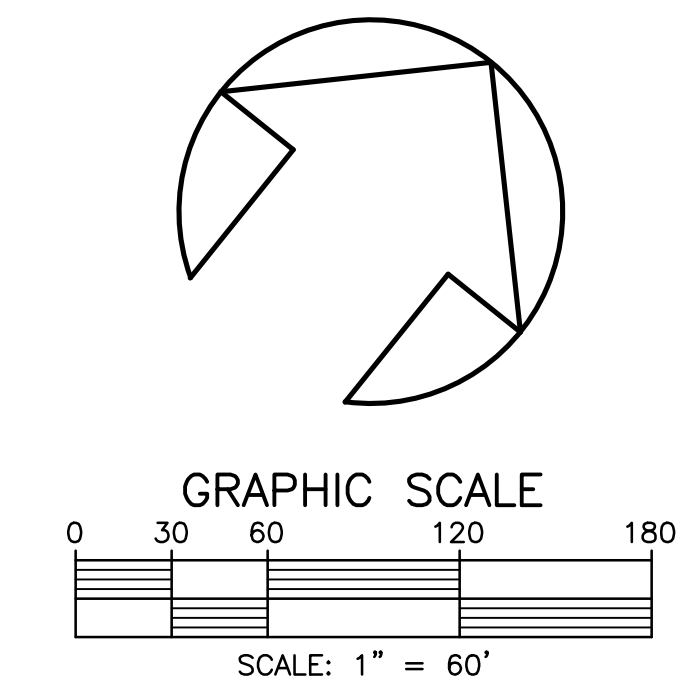
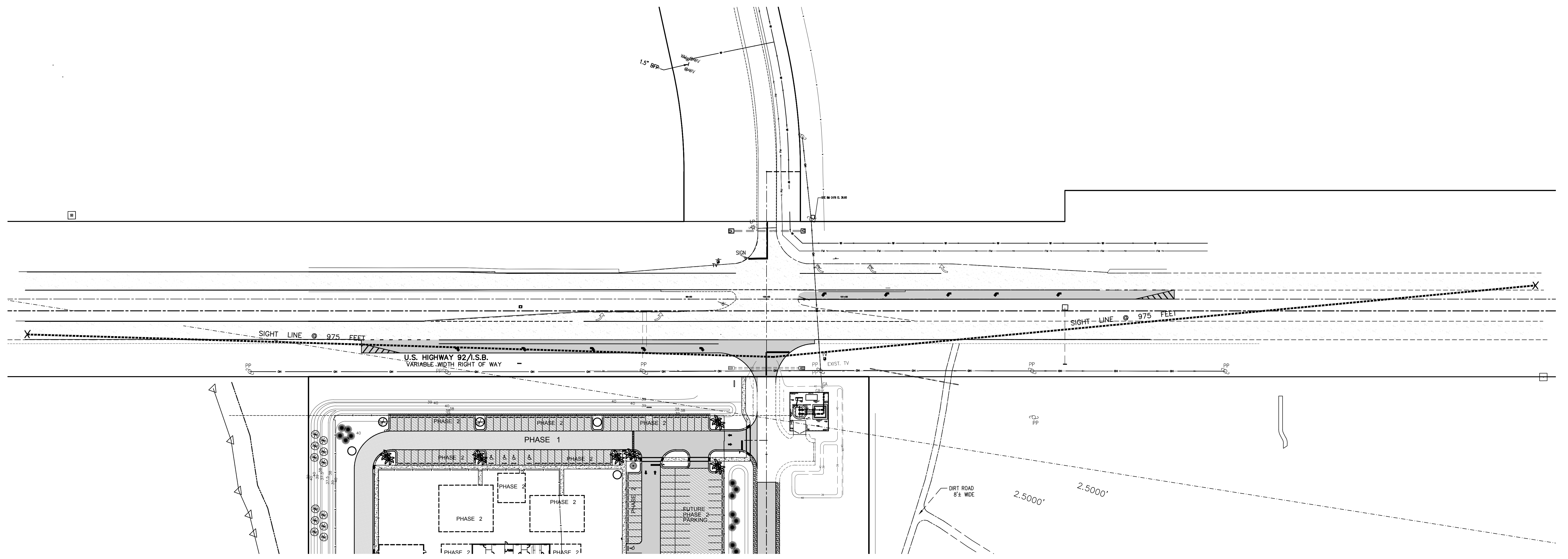
REVISIONS

PARKER MYNCHENBERG & ASSOCIATES, INC.
 PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS
 1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117
 (386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com
 CERTIFICATE OF AUTHORIZATION NUMBER: 00003910

LANDSCAPE PLAN

FIRST STEP HOMELESS ASSISTANCE SHELTER
 DSAUTONA BEACH * FLORIDA

FILE NO. REV1_1622SP.DWG DESIGNER: P.MYNCHENBERG
 DATE: 7/12/17 CADD TECH: BVB
 SCALE: 1" = 40' SHEET 8 OF 18 SEAL



DEV #2017-104
CITY APPROVAL STAMP

DESIGN NOTES

- The information shown on this sheet is intended only for the purpose of clear sight development and maintenance at intersections, roundabouts, and other areas, and is not intended to be used for construction and/or utility work.
- Clear sight triangles shall be established in accordance with the Florida Department of Transportation's (FDOT) Florida Department of Transportation's (FDOT) Manual of Practice for Clear Sight Triangles at Intersections, Roundabouts, and Other Areas.
- The minimum clear sight triangle of 150 feet from the edge of the traveled way may be adjusted on any distribution if only one vehicle is to be accommodated, and specific sight triangles for vehicle stopping positions are shown.
- Any unobstructed intersection sight triangles shall be developed based on existing or proposed traffic signal control. If signalized intersections, the sight triangles shall be established based on the traffic signal control and the sight triangles shall be established based on the sight triangles for the minor road approach. Left-turn vehicles shall have sufficient sight triangles to safely clear the intersection and to cross the street from the minor road approach. Right-turn vehicles shall have sufficient sight triangles to safely clear the intersection and to cross the street from the minor road approach. In addition, if right turns on a red signal are to be permitted, the sight triangles shall be established based on the sight triangles for the minor road approach. In addition, if right turns on a red signal are to be permitted, the sight triangles shall be established based on the sight triangles for the minor road approach.
- Where existing sight triangles are shown, they shall be maintained in accordance with the Florida Department of Transportation's (FDOT) Manual of Practice for Clear Sight Triangles at Intersections, Roundabouts, and Other Areas.
- Intersection sight triangles shall be established for all approaches to all intersections, roundabouts, and other areas, including those intersections, roundabouts, and other areas that are not shown on this sheet.
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GENERAL NOTES

- Apply to both road and urban intersections under clear sight control of existing or proposed traffic signals.
- Clear sight triangles shall be established in accordance with the Florida Department of Transportation's (FDOT) Manual of Practice for Clear Sight Triangles at Intersections, Roundabouts, and Other Areas.
- The information shown on this sheet is intended only for the purpose of clear sight development and maintenance at intersections, roundabouts, and other areas, and is not intended to be used for construction and/or utility work.
- Clear sight triangles shall be established in accordance with the Florida Department of Transportation's (FDOT) Manual of Practice for Clear Sight Triangles at Intersections, Roundabouts, and Other Areas.
- The minimum clear sight triangle of 150 feet from the edge of the traveled way may be adjusted on any distribution if only one vehicle is to be accommodated, and specific sight triangles for vehicle stopping positions are shown.
- Any unobstructed intersection sight triangles shall be developed based on existing or proposed traffic signal control. If signalized intersections, the sight triangles shall be established based on the traffic signal control and the sight triangles shall be established based on the sight triangles for the minor road approach. Left-turn vehicles shall have sufficient sight triangles to safely clear the intersection and to cross the street from the minor road approach. Right-turn vehicles shall have sufficient sight triangles to safely clear the intersection and to cross the street from the minor road approach. In addition, if right turns on a red signal are to be permitted, the sight triangles shall be established based on the sight triangles for the minor road approach. In addition, if right turns on a red signal are to be permitted, the sight triangles shall be established based on the sight triangles for the minor road approach.
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TREE SPACING TABLE**

Category	30'	40'	50'	60'	70'	80'	90'	100'
Minimum Spacing (ft) - 30'	30	30	30	30	30	30	30	30
Minimum Spacing (ft) - 40'	40	40	40	40	40	40	40	40
Minimum Spacing (ft) - 50'	50	50	50	50	50	50	50	50
Minimum Spacing (ft) - 60'	60	60	60	60	60	60	60	60
Minimum Spacing (ft) - 70'	70	70	70	70	70	70	70	70
Minimum Spacing (ft) - 80'	80	80	80	80	80	80	80	80
Minimum Spacing (ft) - 90'	90	90	90	90	90	90	90	90
Minimum Spacing (ft) - 100'	100	100	100	100	100	100	100	100

PLAN

Special Areas Limited to Ground Cover

FDOT DESIGN STANDARDS
FY 2012/2013

SIGHT DISTANCE AT INTERSECTIONS

DATE: 07/10/17
DRAWN: [Signature]
CHECKED: [Signature]
SCALE: 5/16

PERCEPTION DIAGRAM SETTING SABAL PALM (STATE TREE) SPACING

CHANNELLED DIRECTIONAL MEDIAN OPENINGS

Category	1 Lane Crossed	2 Lanes Crossed	3 Lanes Crossed
Minimum Spacing (ft) - 30'	30	30	30
Minimum Spacing (ft) - 40'	40	40	40
Minimum Spacing (ft) - 50'	50	50	50
Minimum Spacing (ft) - 60'	60	60	60
Minimum Spacing (ft) - 70'	70	70	70
Minimum Spacing (ft) - 80'	80	80	80
Minimum Spacing (ft) - 90'	90	90	90
Minimum Spacing (ft) - 100'	100	100	100

PASSENGER VEHICLE (PV)

Category	30'	40'	50'	60'	70'	80'	90'	100'
Minimum Spacing (ft) - 30'	30	30	30	30	30	30	30	30
Minimum Spacing (ft) - 40'	40	40	40	40	40	40	40	40
Minimum Spacing (ft) - 50'	50	50	50	50	50	50	50	50
Minimum Spacing (ft) - 60'	60	60	60	60	60	60	60	60
Minimum Spacing (ft) - 70'	70	70	70	70	70	70	70	70
Minimum Spacing (ft) - 80'	80	80	80	80	80	80	80	80
Minimum Spacing (ft) - 90'	90	90	90	90	90	90	90	90
Minimum Spacing (ft) - 100'	100	100	100	100	100	100	100	100

SINGLE UNIT TRUCK (SU)

Category	30'	40'	50'	60'	70'	80'	90'	100'
Minimum Spacing (ft) - 30'	30	30	30	30	30	30	30	30
Minimum Spacing (ft) - 40'	40	40	40	40	40	40	40	40
Minimum Spacing (ft) - 50'	50	50	50	50	50	50	50	50
Minimum Spacing (ft) - 60'	60	60	60	60	60	60	60	60
Minimum Spacing (ft) - 70'	70	70	70	70	70	70	70	70
Minimum Spacing (ft) - 80'	80	80	80	80	80	80	80	80
Minimum Spacing (ft) - 90'	90	90	90	90	90	90	90	90
Minimum Spacing (ft) - 100'	100	100	100	100	100	100	100	100

INTERMEDIATE SEMI-TRAILERS (WB-40 & WB-50)

Category	30'	40'	50'	60'	70'	80'	90'	100'
Minimum Spacing (ft) - 30'	30	30	30	30	30	30	30	30
Minimum Spacing (ft) - 40'	40	40	40	40	40	40	40	40
Minimum Spacing (ft) - 50'	50	50	50	50	50	50	50	50
Minimum Spacing (ft) - 60'	60	60	60	60	60	60	60	60
Minimum Spacing (ft) - 70'	70	70	70	70	70	70	70	70
Minimum Spacing (ft) - 80'	80	80	80	80	80	80	80	80
Minimum Spacing (ft) - 90'	90	90	90	90	90	90	90	90
Minimum Spacing (ft) - 100'	100	100	100	100	100	100	100	100

NOTES FOR 4-LANE DIVIDED ROADWAY

- See Sheet 2 for origin of clear sight line on the minor road.
- Values shown in the table are the governing sight triangle dimensions based on AASHTO Table 8, "Recommended Sight Triangle Dimensions for Intersections at Grade." See also the notes on this sheet.

FDOT DESIGN STANDARDS
FY 2012/2013

SIGHT DISTANCE AT INTERSECTIONS

DATE: 07/10/17
DRAWN: [Signature]
CHECKED: [Signature]
SCALE: 5/16

PLAN

INSET A

INSET B

NOTES FOR 4-LANE DIVIDED ROADWAY

- See Sheet 2 for origin of clear sight line on the minor road.
- Values shown in the table are the governing sight triangle dimensions based on AASHTO Table 8, "Recommended Sight Triangle Dimensions for Intersections at Grade." See also the notes on this sheet.

FDOT DESIGN STANDARDS
FY 2012/2013

SIGHT DISTANCE AT INTERSECTIONS

DATE: 07/10/17
DRAWN: [Signature]
CHECKED: [Signature]
SCALE: 5/16

NO.	DATE	DESCRIPTION	BY
7	4/12/18	REVISED PER ADDENDUM NO. 2	BVB
6	3/8/18	REVISED PER CITY COMMENTS	BVB
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4	2/7/18	REVISED PER FDOT COMMENTS	BVB
3	12/5/17	REVISED PHASE 1 PARKING	BVB
2	10/12/17	REVISED PER CITY COMMENTS	BVB
1	10/11/17	REVISED PER SURVMD	BVB

REVISIONS

PARKER MYNCHENBERG & ASSOCIATES, INC.

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1729 RIDGEWOOD AVENUE * HOLLY HILL, FLORIDA 32117
(386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com
CERTIFICATE OF AUTHORIZATION NUMBER: 00003910

SIGHT LINE PLAN

FIRST STEP HOMELESS ASSISTANCE SHELTER

DAYTONA BEACH * FLORIDA

FILE NO. 1622SP.dwg DESIGNER: P.MYNCHENBERG
DATE: 7/12/17 CADD TECH: BVB
SCALE: 1" = 60' SHEET 8A OF 18 SEAL

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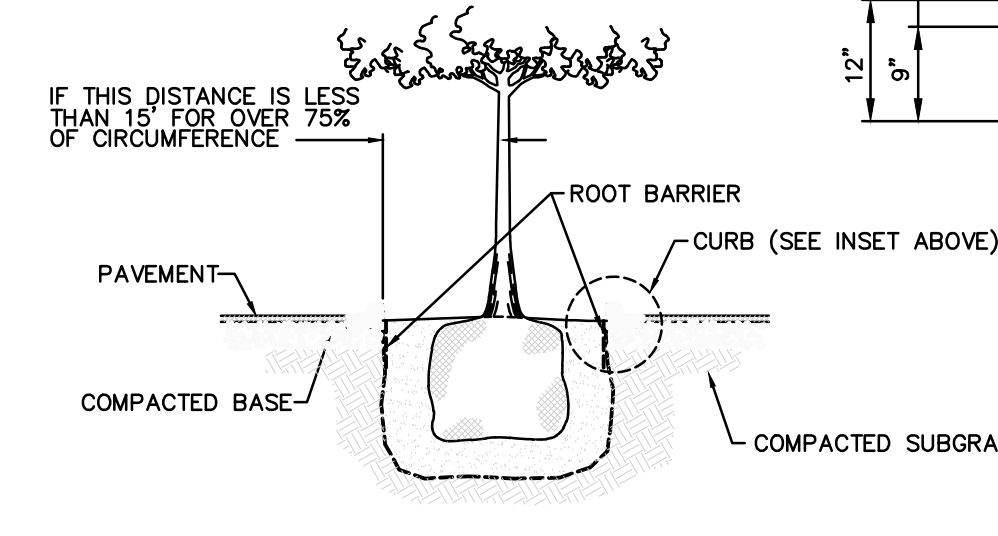
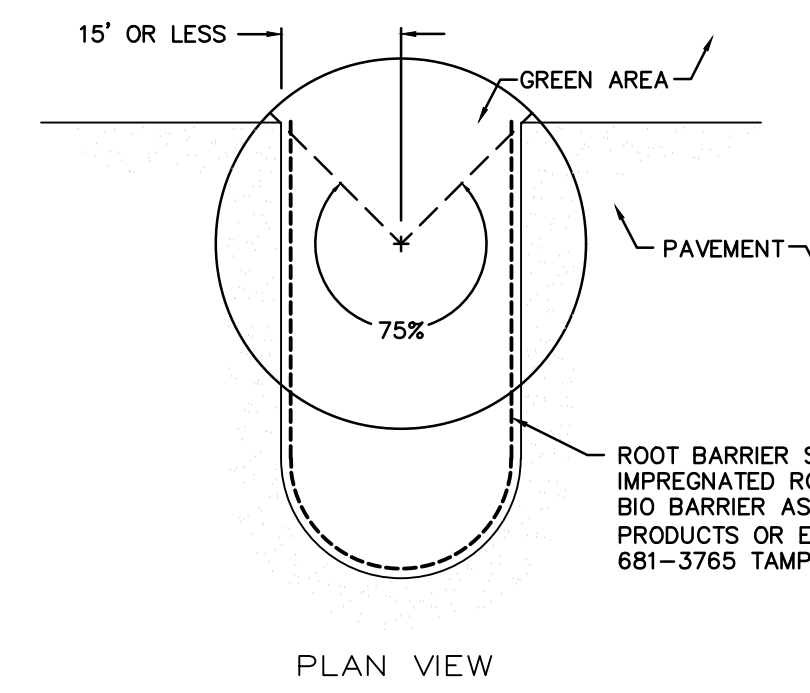
LANDSCAPE NOTES

LANDSCAPE REQUIREMENTS:

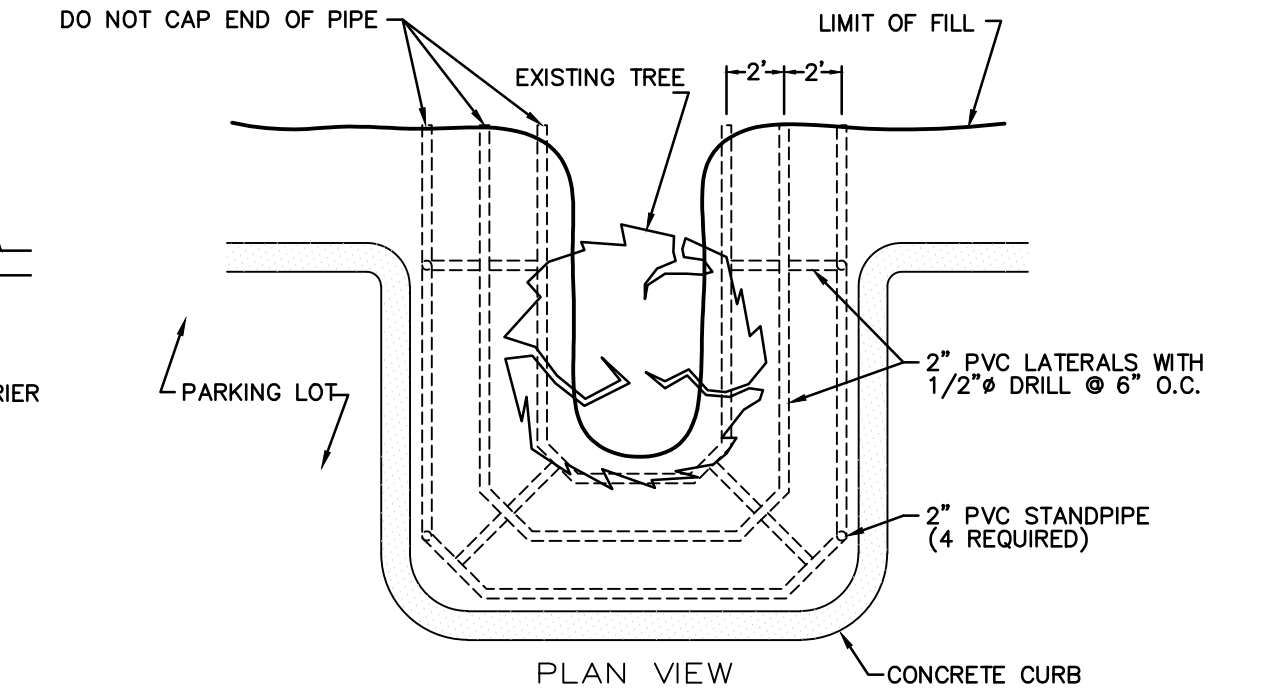
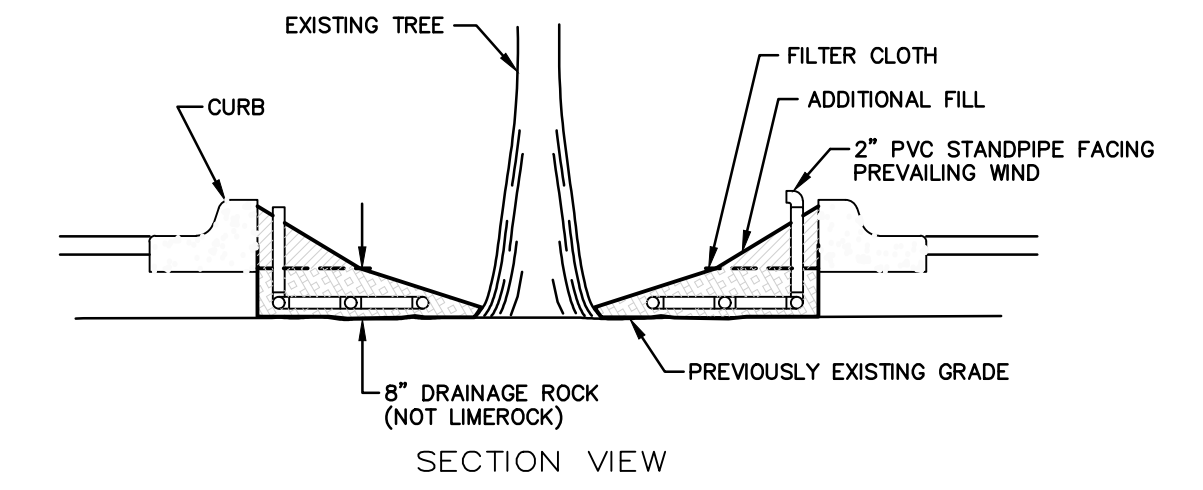
- 1.) ALL PLANT MATERIALS SHALL BE FLORIDA NO. 1 GRADE, OR BETTER, ACCORDING TO THE CURRENT "GRADES AND STANDARDS FOR NURSERY PLANTS", STATE OF FLORIDA, DEPARTMENT OF AGRICULTURE, TALLAHASSEE. TREES AND SHRUBS ARE TO BE CONTAINER GROWN, NO BALL AND BURLAP OR NON-CONTAINERIZED PLANTS WILL BE ALLOWED.
- 2.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING PROJECT SOILS. THE CONTRACTOR SHALL PROVIDE A CERTIFIED SOILS REPORT TO THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL VERIFY THAT ON-SITE SOILS ARE ACCEPTABLE FOR PROPER GROWTH OF THE PROPOSED PLANT MATERIAL. SHOULD THE CONTRACTOR FIND POOR SOIL CONDITIONS, THE OWNER'S REPRESENTATIVE SHALL BE CONSULTED PRIOR TO PLANTING.
- 3.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND WORK CALLED FOR IN THE LANDSCAPE PLAN DOCUMENTS. THE PLANT LIST QUANTITIES SHALL BE USED AS A GUIDE, ONLY. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES AND REPORT ANY DISCREPANCIES.
- 4.) ALL PLANT BEDS AND ALL EXISTING AND PROPOSED PARKING LOT ISLANDS SHALL BE DRESSED WITH 3" MINIMUM SHREDDED CYPRESS MULCH.
- 5.) THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR STABILITY AND PLUMB CONDITION OF ALL PLANTS AND SHALL BE LEGALLY LIABLE FOR ANY DAMAGE CAUSED BY INSTABILITY OF PLANT MATERIALS.
- 6.) THE CONTRACTOR SHALL DISPOSE OF STUMPS AND MAJOR ROOTS OF ALL PLANTS TO BE REMOVED.
- 7.) THE LANDSCAPE CONTRACTOR SHALL BECOME THOROUGHLY FAMILIAR WITH ALL OTHER WORK TO BE DONE ON SITE, PRIOR TO LANDSCAPE INSTALLATION.
- 8.) THE CONTRACTOR SHALL ENSURE ADEQUATE VERTICAL DRAINAGE IN ALL PLANT PITS. TEST THE VISUAL INSPECTION OF DRAINAGE SHALL BE DUG PRIOR TO INSTALLATION OF ANY PLANTS. THE CONTRACTOR SHALL AMEND POOR DRAINAGE UNTIL ACCEPTABLE FOR PLANT SURVIVABILITY.
- 9.) PLANTING BACKFILL MIX SHALL BE 1/4 PEAT, 1/4 COMPOSTED COW MANURE, 1/2 CLEAN SOIL.
- 10.) THE CONTRACTOR SHALL REPLACE ALL PLANTS WHICH ARE NOT IN A HEALTHY, GROWING CONDITION PRIOR TO ACCEPTANCE. ALL PLANTS SHALL BE MAINTAINED AND GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF 90 DAYS FOLLOWING ACCEPTANCE BY THE OWNER. ANY PLANTS FOUND NOT TO BE IN A HEALTHY GROWING CONDITION AT THE END OF THE GUARANTEE PERIOD SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
- 11.) SOD SHALL BE STRONG, SOLID SOD PLACED EVENLY AND WITHOUT GAPS BETWEEN PIECES. GROUND SHALL BE THOROUGHLY WETTED BEFORE PLACING SOD. SOD SHALL BE PLACED TO LIMITS SHOWN AND TO THE EXTENT OF DAMAGED EXISTING SOD. EXISTING GROUND SHALL BE STRIPPED BEFORE PLACING NEW SOD.
- 12.) THE LIVE OAKS SHALL BE CONTAINER GROWN AND NOT BAG AND BURLAP TYPE. LIVE OAKS SHALL BE PLANTED 2" ABOVE GRADE.
- 13.) PLANTING PLANS SHALL TAKE PRECEDENCE OVER PLANT LIST IN CASE OF DISCREPANCIES.
- 14.) NO CHANGES ARE TO BE MADE WITHOUT THE PRIOR CONSENT OF THE LANDSCAPE ARCHITECT AND OWNER. ADDITIONS AND/OR DELETIONS TO THE PLANT MATERIAL MUST BE APPROVED BY THE PROJECT MANAGER.
- 15.) LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACTUAL AREA OF SOD PLACED FOR 100% COVERAGE.
- 16.) LANDSCAPE CONTRACTOR TO PROVIDE DESIGN LANDSCAPE ARCHITECT A DETAILED LANDSCAPE "AS-BUILT" SHOWING ALL VEGETATION THAT WAS PLANTED INCLUDING TREES, SHRUBS & GROUND COVER.
- 17.) THE LANDSCAPE CONTRACTOR IS TO LOCATE AND VERIFY ALL UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO BEGINNING WORK. CONTACT PROPER UTILITY COMPANIES AND / OR GENERAL CONTRACTOR PRIOR TO DIGGING FOR FIELD VERIFICATION. THE CITY OF DAYTONA BEACH SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES TO UTILITY OR IRRIGATION LINES.
- 18.) THE LANDSCAPE CONTRACTOR IS TO LOCATE AND VERIFY ALL CURRENT DRAWINGS AND CHECK FOR DISCREPANCIES & BRING TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCING WITH THE WORK.

LANDSCAPE CERTIFICATION

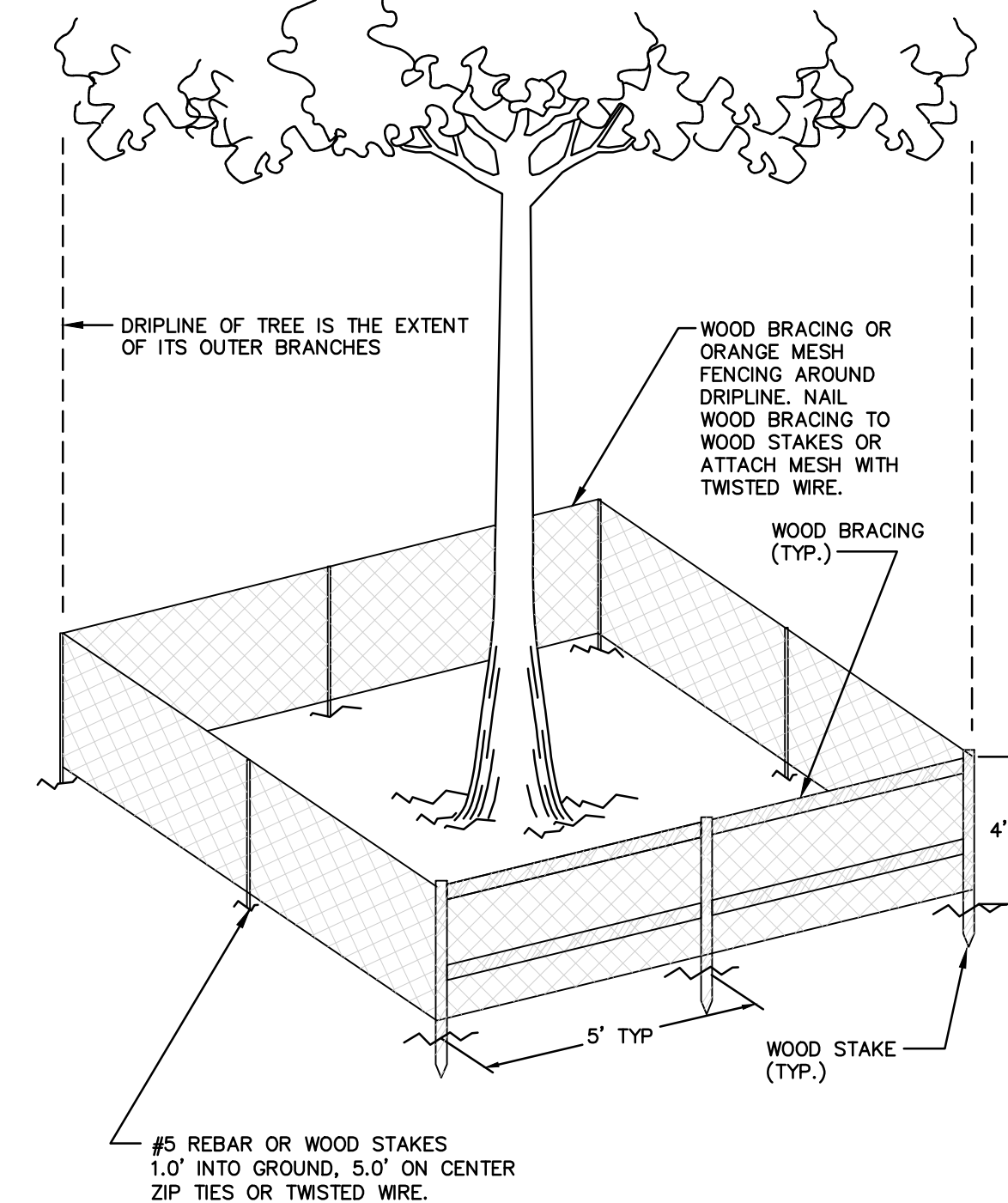
I HEREBY CERTIFY THE PROPOSED LANDSCAPE IMPROVEMENTS ASSOCIATED WITH THE NEW PARKING LOT AND BUILDING MEET OR EXCEED ALL REQUIREMENTS OF THE LAND DEVELOPMENT CODE (LDC).



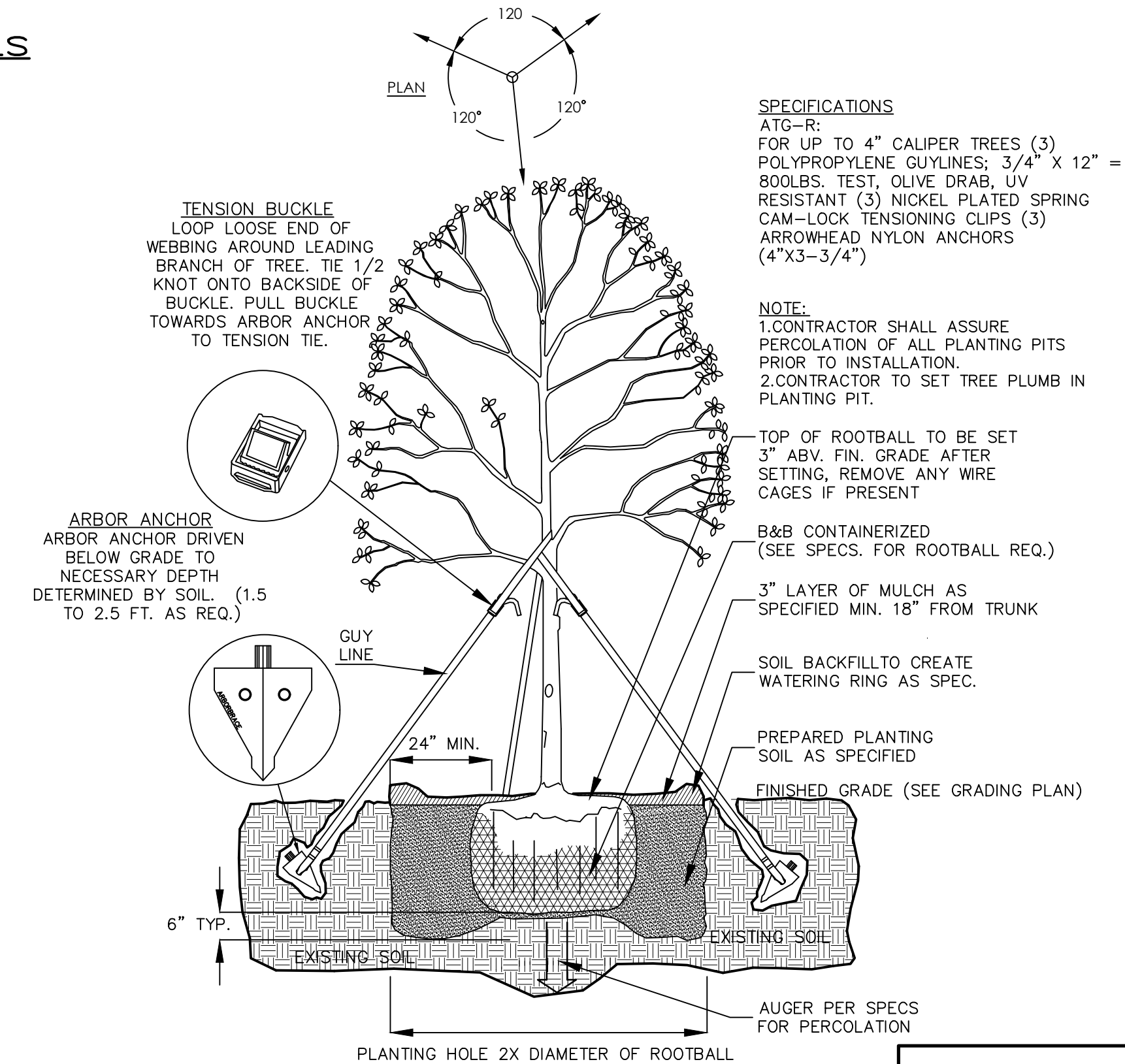
ROOT BARRIER DETAILS



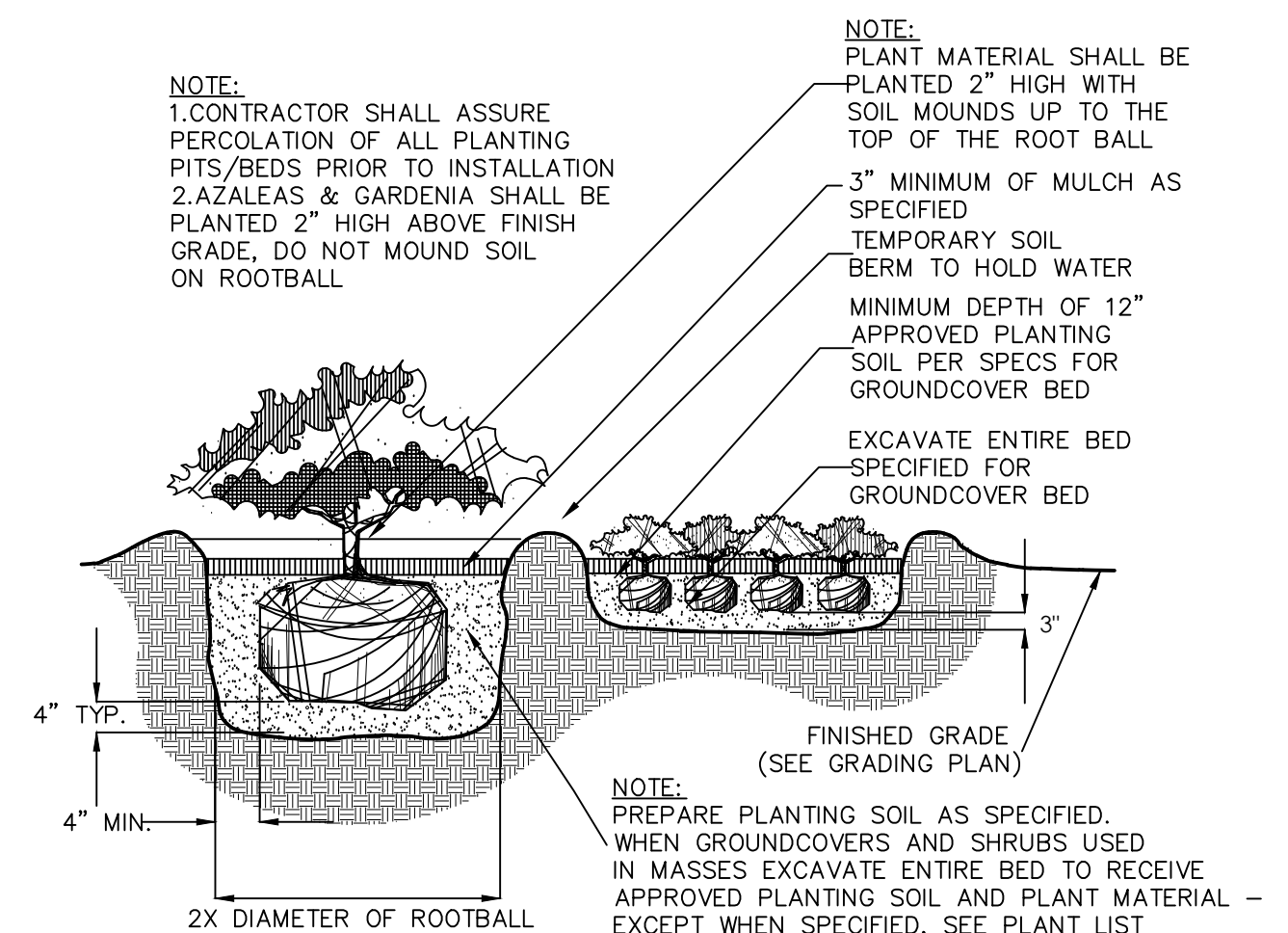
ROOT AERATION DETAILS



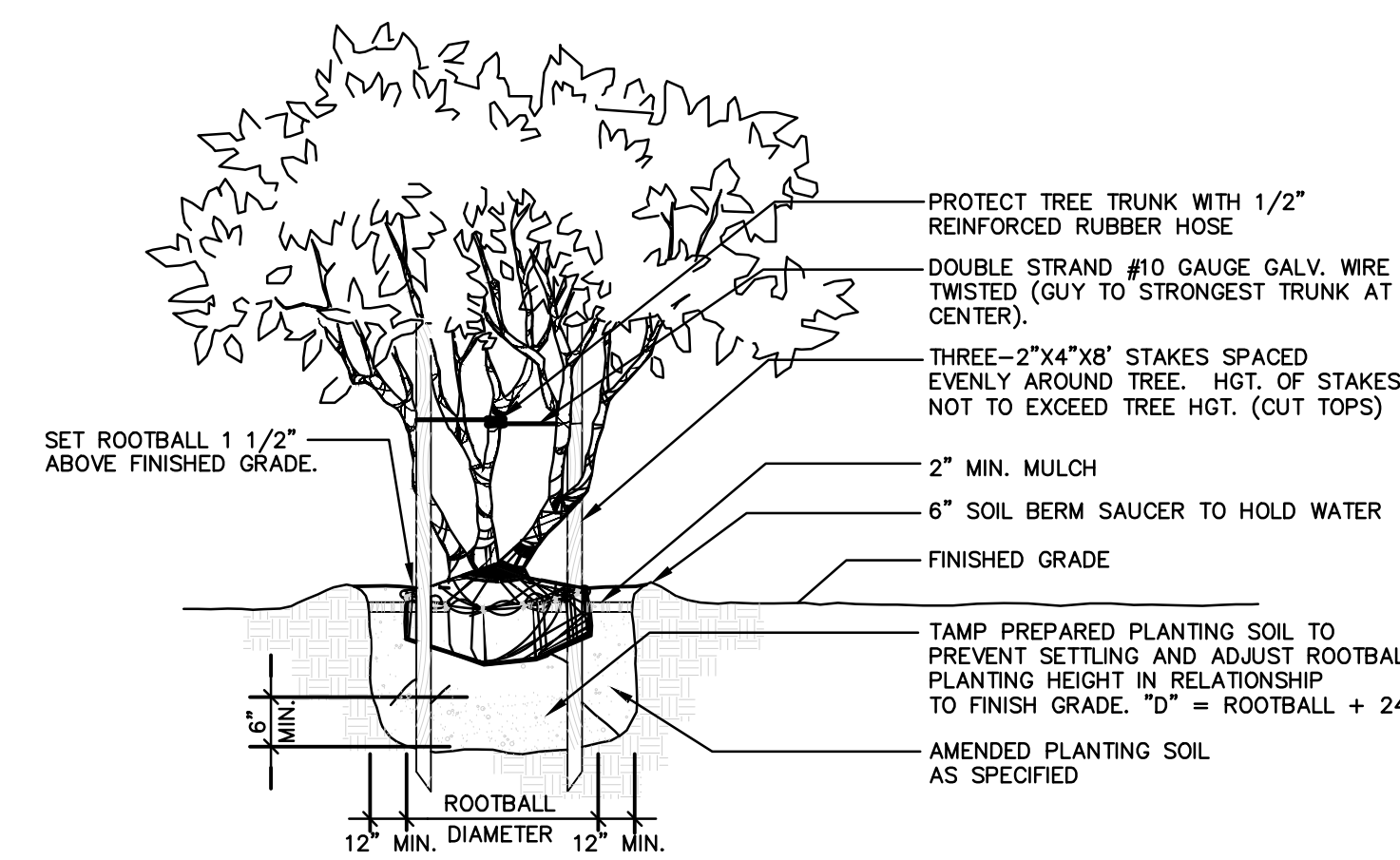
TREE PROTECTION BARRICADE



TREE PLANTING & GUY DETAILS



SHRUB & GROUND COVER PLANTING DETAIL



TYPICAL MULTI-TRUNK TREE

DEV 2017-104
CITY APPROVAL STAMP

NO.	DATE	DESCRIPTION	BY
7	4/12/18	REVISED PER ADDENDUM NO. 2	BVB
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3	12/5/17	REVISED PHASE 1 PARKING	BVB
2	10/12/17	REVISED PER CITY COMMENTS	BVB
1	10/11/17	REVISED PER SJRWMD	BVB

R E V I S I O N S

PARKER MYNCHENBERG & ASSOCIATES, INC.
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS
1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117
(386) 677-6891 FAX (386) 677-2114 E-MAIL: info@parkermynchenberg.com
CERTIFICATION OF AUTHORIZATION NUMBER: 00003910

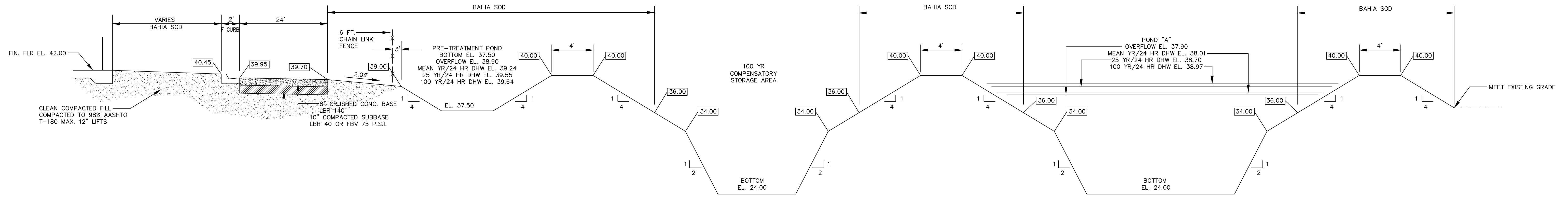
LANDSCAPE DETAILS

FIRST STEP HOMELESS ASSISTANCE SHELTER

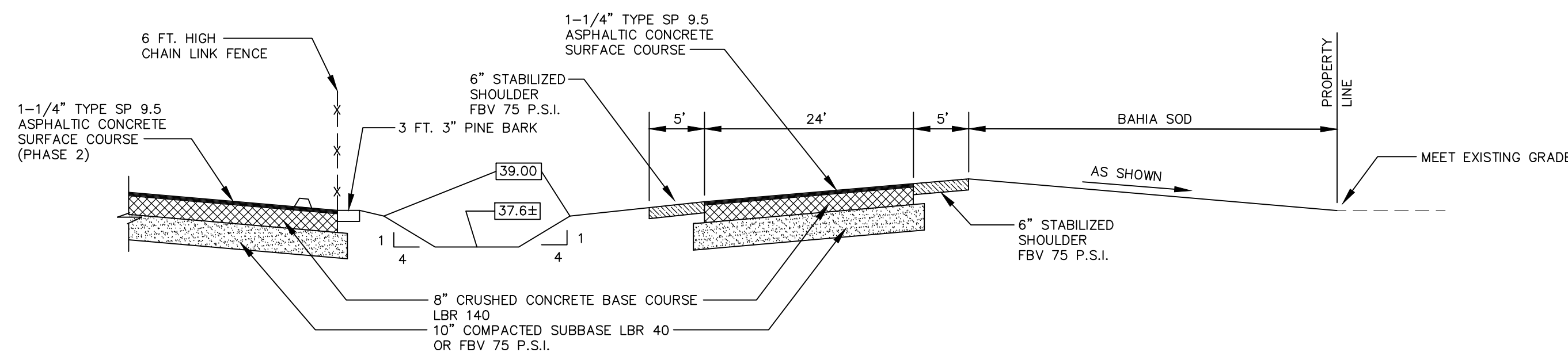
DAYTONA BEACH * FLORIDA

FILE NO. 1622LID.DWG	DESIGNER: P. MYNCHENBERG
DATE: 7/12/17	DRAFTSMAN: BVB
SCALE: NOT TO SCALE	SHEET 9 OF 18

SEAL

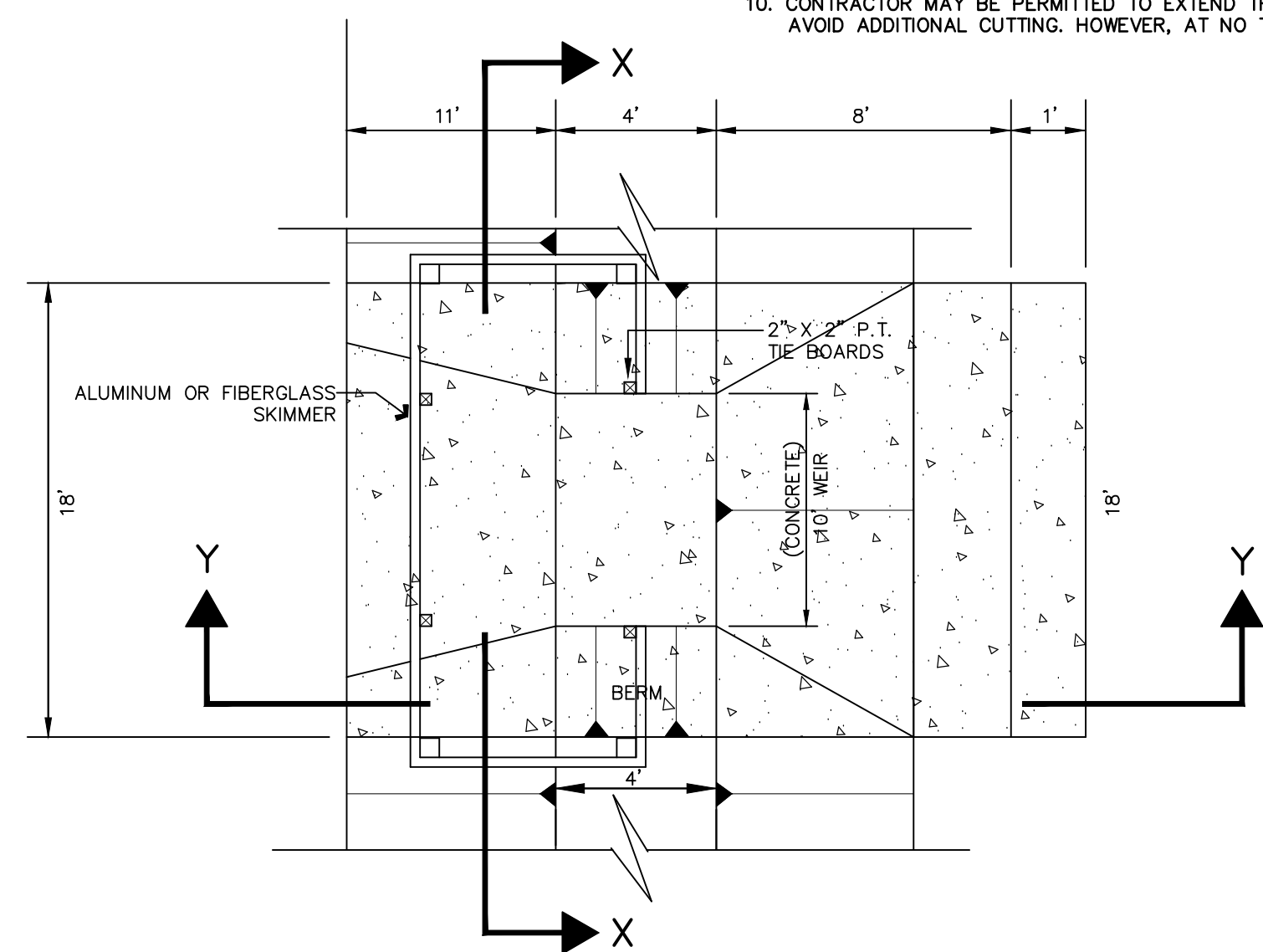


SECTION "A-A"

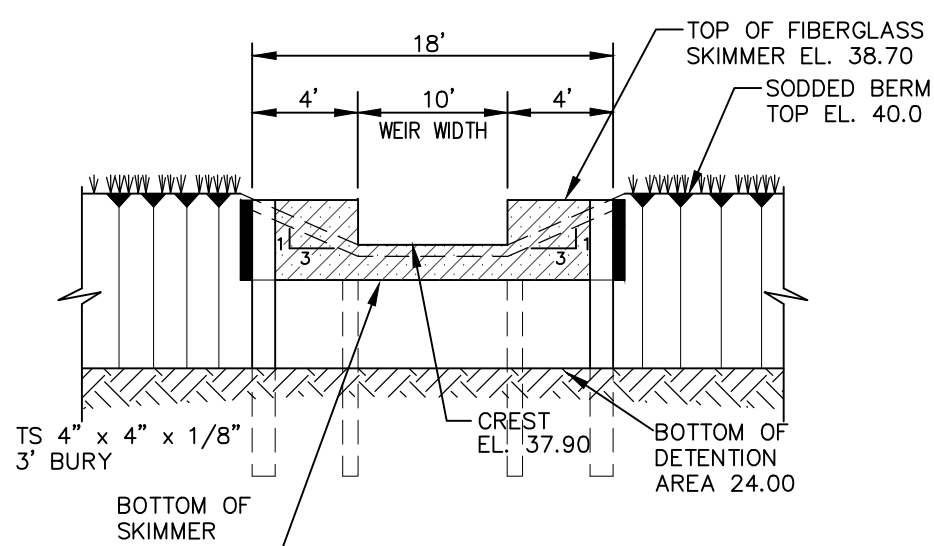


SECTION "B-B"

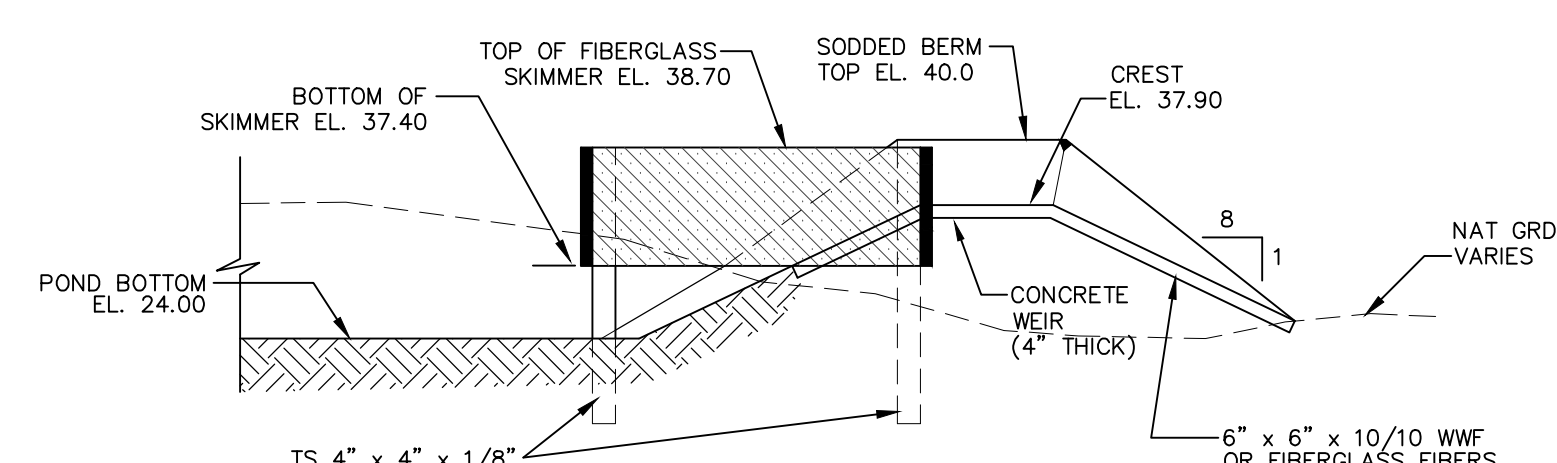
- NOTES:
1. CONTRACTOR SHALL SLOPE THE TOP OF BERM DOWN TO THE CREST ELEVATION AT A SLOPE WHICH DOES NOT EXCEED 3:1 (H. & V.) SEE NOTE #10.
 2. CONTRACTOR SHALL STABILIZE ALL EARTHWORK & SOO ALL AREAS AROUND WEIR.
 3. A NOTCH SHALL BE CUT OUT OF THE BOARD AT THE DESIGN CREST ELEVATION.
 4. ADDITIONAL POSTS & BOARDS MAY BE REQUIRED TO ACHIEVE THE REQUIRED WEIR DIMENSIONS.
 5. ALL FASTENERS SHALL BE STAINLESS STEEL SCREWS OR #16 NAIL SHANKS.
 6. POSTS SHALL BE PRESSURE-TREATED PREMIUM GRADE & FREE OF CRACKS & KNOTHOLES.
 7. ALUMINUM OR FIBERGLASS SKIMMER IF REQUIRED, NO WOOD IS ACCEPTABLE.
 8. NO SPACES SHALL BE PERMITTED BETWEEN SKIMMER BOARDS. 2" X 2" TIE BOARDS MAY BE REQUIRED TO PREVENT THE SKIMMER BOARDS FROM WARPING IF THE LENGTH OF THE SKIMMER BOARD EXCEEDS 6 FEET.
 9. A MINIMUM OF 9" IS REQUIRED BETWEEN THE BOTTOM OF THE SKIMMER & THE POND BOTTOM. IF THE 9" DOES NOT EXIST, THE CONTRACTOR SHALL OVEREXCAVATE THE POND BOTTOM & SLOPE BACK TO THE POND AT A SLOPE OF NO STEEPER THAN 4:1 (H:V).
 10. CONTRACTOR MAY BE PERMITTED TO EXTEND THE LENGTH OF THE SKIMMER AS NEEDED TO AVOID ADDITIONAL CUTTING. HOWEVER, AT NO TIME SHALL THE WIDTH OF THE WEIR BE CHANGED.



PLAN VIEW OF WEIR/SKIMMER



SECTION "X-X"



SECTION "Y-Y"

POND "A" CONCRETE WEIR DETAILS DRAINAGE CONTROL STRUCTURE #5

NOTES:

1. SIDEWALK, BIKE PATHS, RAMPS AND DRIVEWAY APPROX SHALL BE CONSTRUCTED OF PLAIN PORTLAND CONCRETE WITH A MINIMUM SLAB OF 2" A MINIMUM QUALITY COMPRESSIVE STRENGTH OF 3000 P.S.I. IN 28 DAYS AND A MINIMUM UNIFORM THICKNESS OF 4"
2. EXPANSION AND CONTROL JOINTS SHALL BE PLACED PARALLEL TO AND ONE FOOT WITHIN THE 8'-0" FROM THE CURB LINE. THE CITY MAY APPROVE ALTERNATE JOINT PLACEMENTS PROVIDED THAT THE JOINTS REMAIN WITHIN THE 8'-0" FROM THE CURB LINE AND ARE PLACED AT A MINIMUM OF 10 FEET FROM THE FACE OF THE OTHER FINISHED SURFACE. JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FOOT DESIGN STANDARDS AND PLANS. SLABS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FOOT DESIGN STANDARDS, LATEST EDITION, FOR REFERENCE.
3. ALL FORMS SHALL BE REINFORCED WITH #4 REINFORCING BARS AND SPACED AT A DISTANCE OF 12" FROM THE FACE OF THE FORMS. REINFORCING BARS SHALL BE TIED TO THE FORMS WITH #4 TIE BARS. REINFORCING BARS SHALL BE TIED TO THE FORMS WITH #4 TIE BARS. REINFORCING BARS SHALL BE TIED TO THE FORMS WITH #4 TIE BARS.
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NOTE: SEE ARCHITECTURAL PLANS FOR MONUMENT SIGN DETAIL

SECTION

ELEVATION

NOTES:

1. ADDRESS NUMBERS SHALL BE ARABIC NUMERALS. NUMBERS SHALL BE IN A COLOR CONTRASTING WITH THE STRUCTURE OR BACKGROUND SURFACE, AND NOT BE LESS THAN SIX (6) INCHES IN HEIGHT.
2. THE ADDRESS NUMBER SHALL BE AFFIXED HORIZONTALLY IN A CONSPICUOUS PLACE ON THE PRINCIPAL BUILDING SO THAT THE NUMBER IS CLEARLY LEGIBLE FROM THE ROADWAY ON WHICH IT IS ADDRESSED.
3. IF THE DISTANCE FROM THE ROADWAY ON WHICH A PRINCIPAL BUILDING IS ADDRESSED, OR THE CONFIGURATION OF THE PRINCIPAL BUILDING HAS AN OBSTRUCTION SUCH AS FENCES, TREES OR WALLS WHICH WOULD LIMIT VISIBILITY OF THE PRINCIPAL BUILDING FROM THE STREET OR ROADWAY, THE ADDRESS NUMBER SHALL BE POSTED HORIZONTALLY AT LEAST FOUR (4) FEET ABOVE GROUND LEVEL IN A CONSPICUOUS PLACE AT THE DRIVEWAY OR PROPERTY ENTRANCE IN A CONSPICUOUS PLACE LOCATED TWO (2) FEET OFF THE SIDE OF THE DRIVEWAY OR PROPERTY ENTRANCE.
4. A SEPARATE SIGN PERMIT IS REQUIRED.

MONUMENT SIGN DETAIL

DEV. #2017-104
CITY APPROVAL STAMP

NO.	DATE	DESCRIPTION	BY
6	3/8/18	REVISED PER CITY COMMENTS	BVB
5	2/28/18	REVISED PER ARCHITECT'S REVIEW	BVB
4	2/7/18	REVISED PER FDOT COMMENTS	BVB
3	12/5/17	REVISED PHASE 1 PARKING	BVB
2	10/12/17	REVISED PER CITY COMMENTS	BVB
1	10/11/17	REVISED PER SJRWMD	BVB

R E V I S I O N S

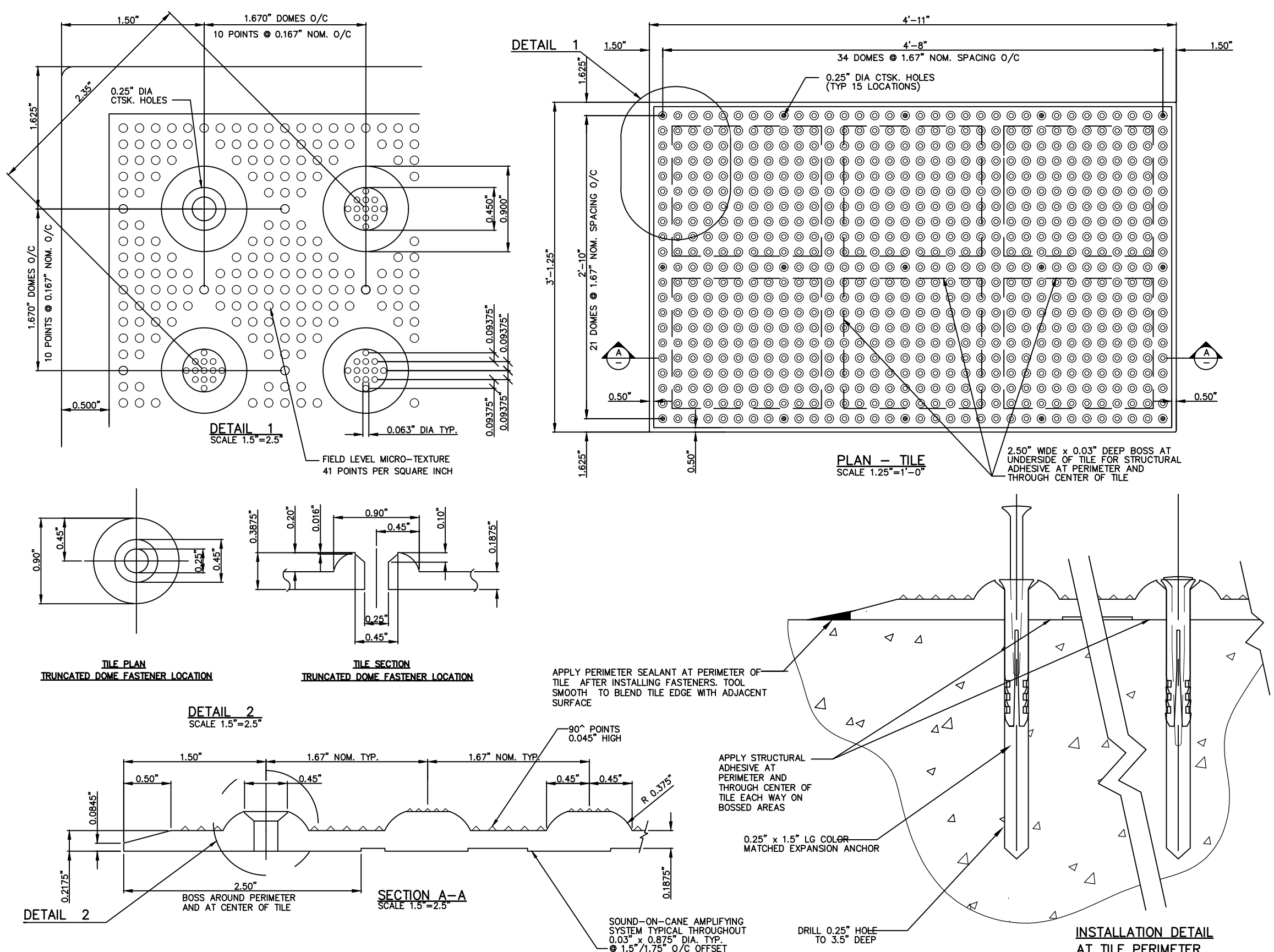
PARKER MYNCHENBERG & ASSOCIATES, INC.
PROFESSIONAL ENGINEERS * LANDSCAPE ARCHITECTS
1729 RIDGEWOOD AVENUE HOLLY HILL, FLORIDA 32117
(386)677-6891 FAX(386)677-2114 E-MAIL: info@parkermynchenberg.com
CERTIFICATE OF AUTHORIZATION NUMBER: 00003910

PAVING & DRAINAGE DETAILS

FIRST STEP HOMELESS ASSISTANCE SHELTER
DAYTONA BEACH * FLORIDA

FILE NO. 1622PD.DWG	DESIGNER: P.MYNCHENBERG
DATE: 7/12/17	CADD TECH: BVB
SCALE: NONE	SHEET 11 OF 18

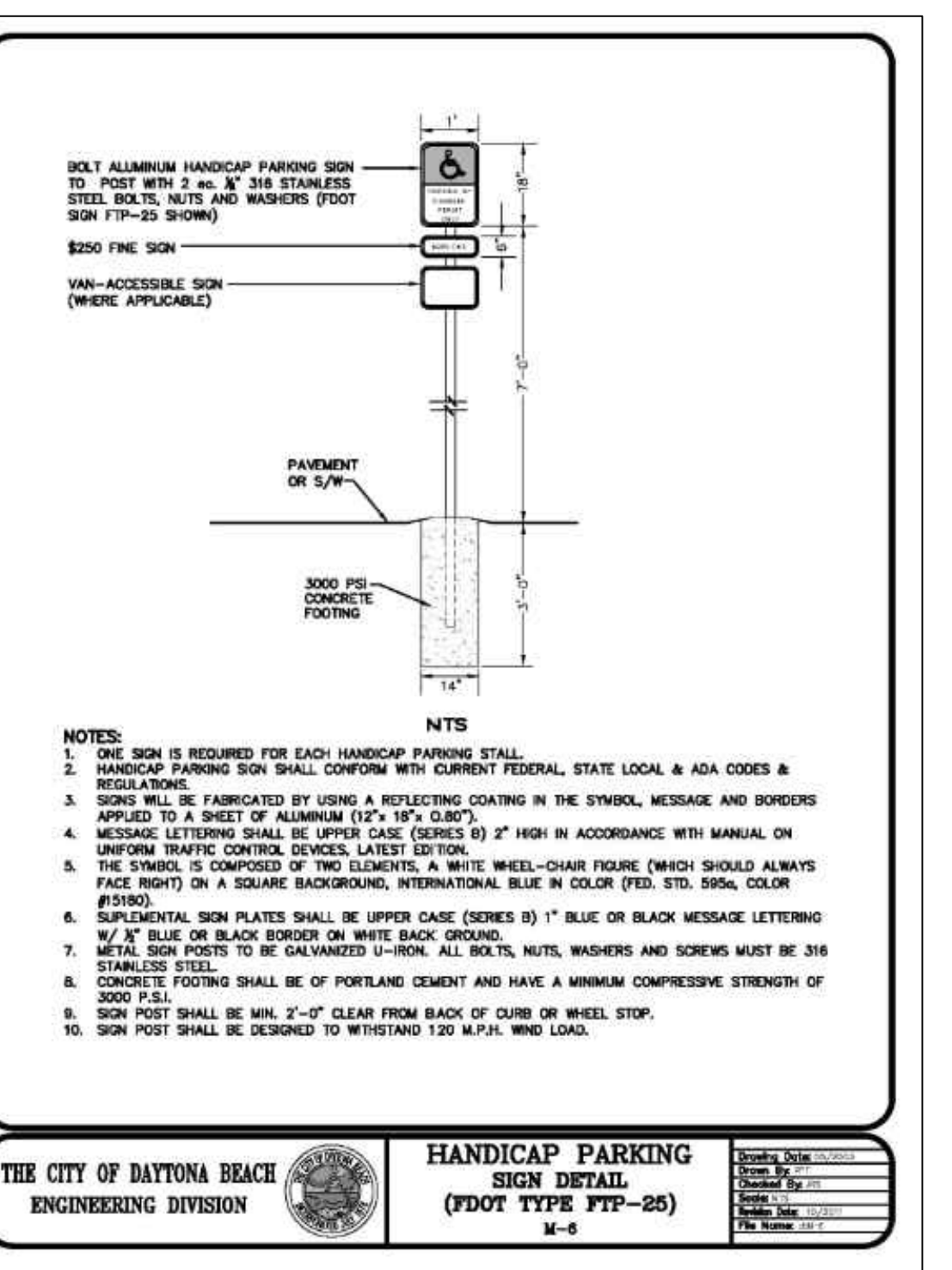
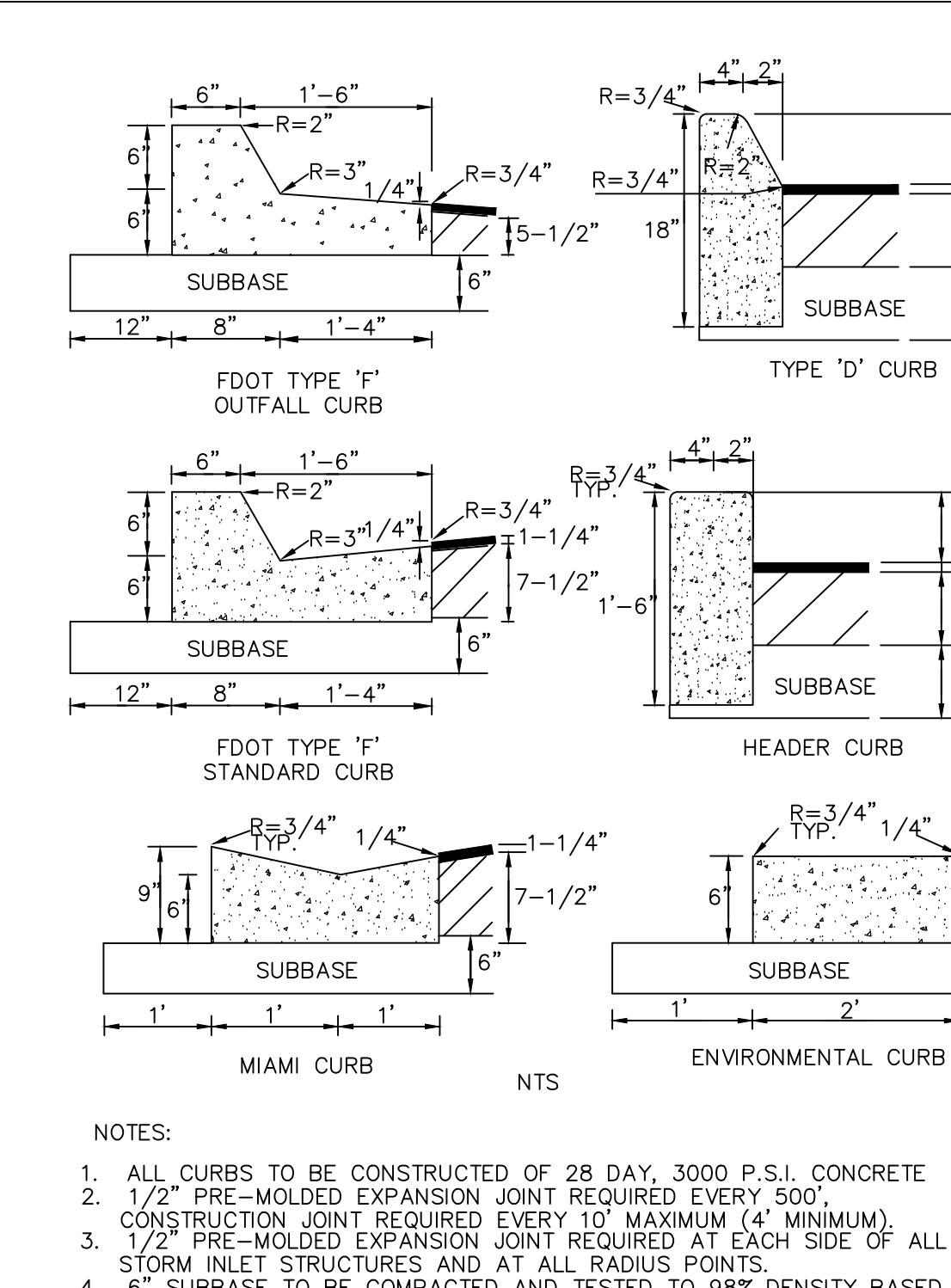
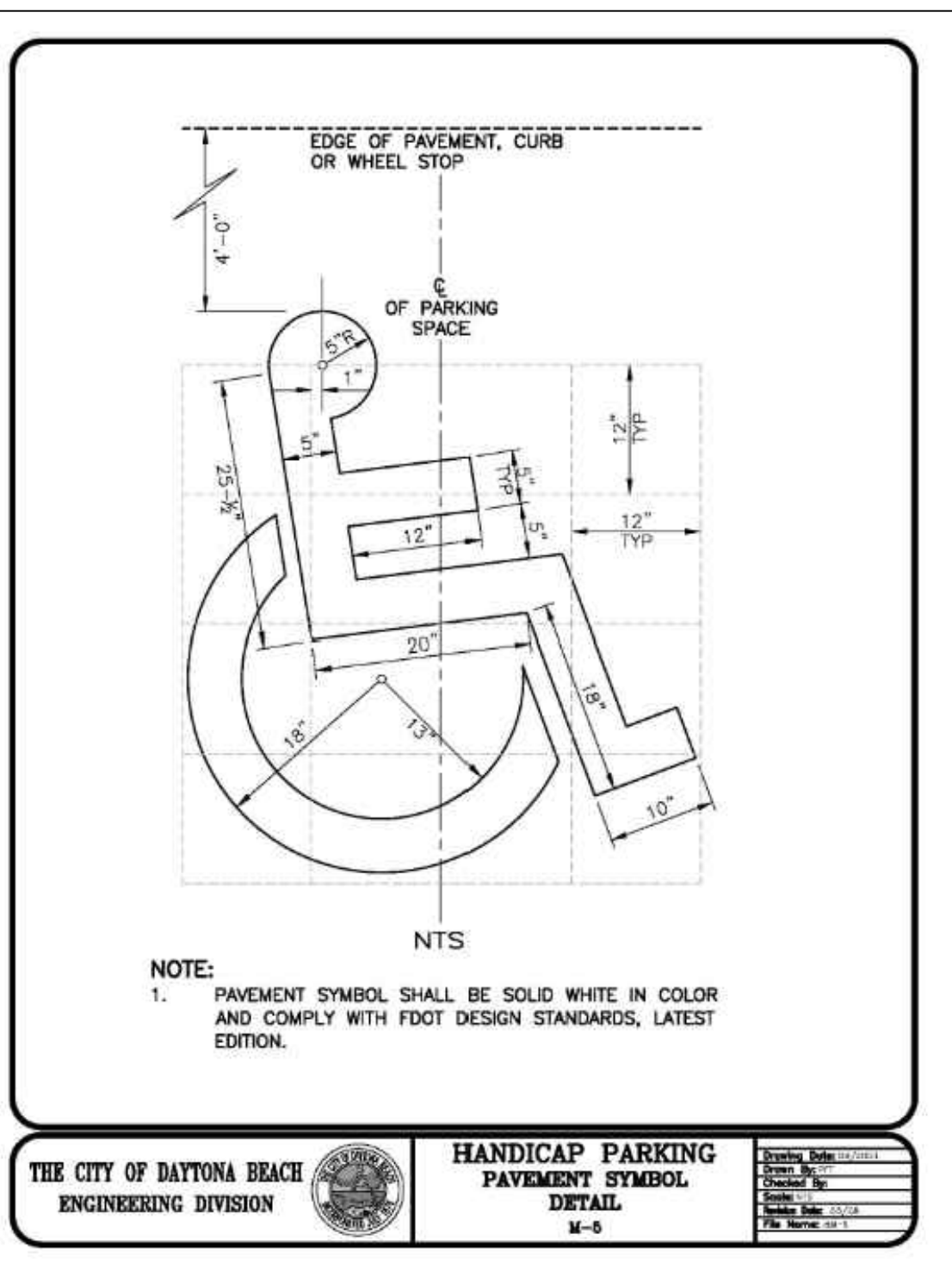
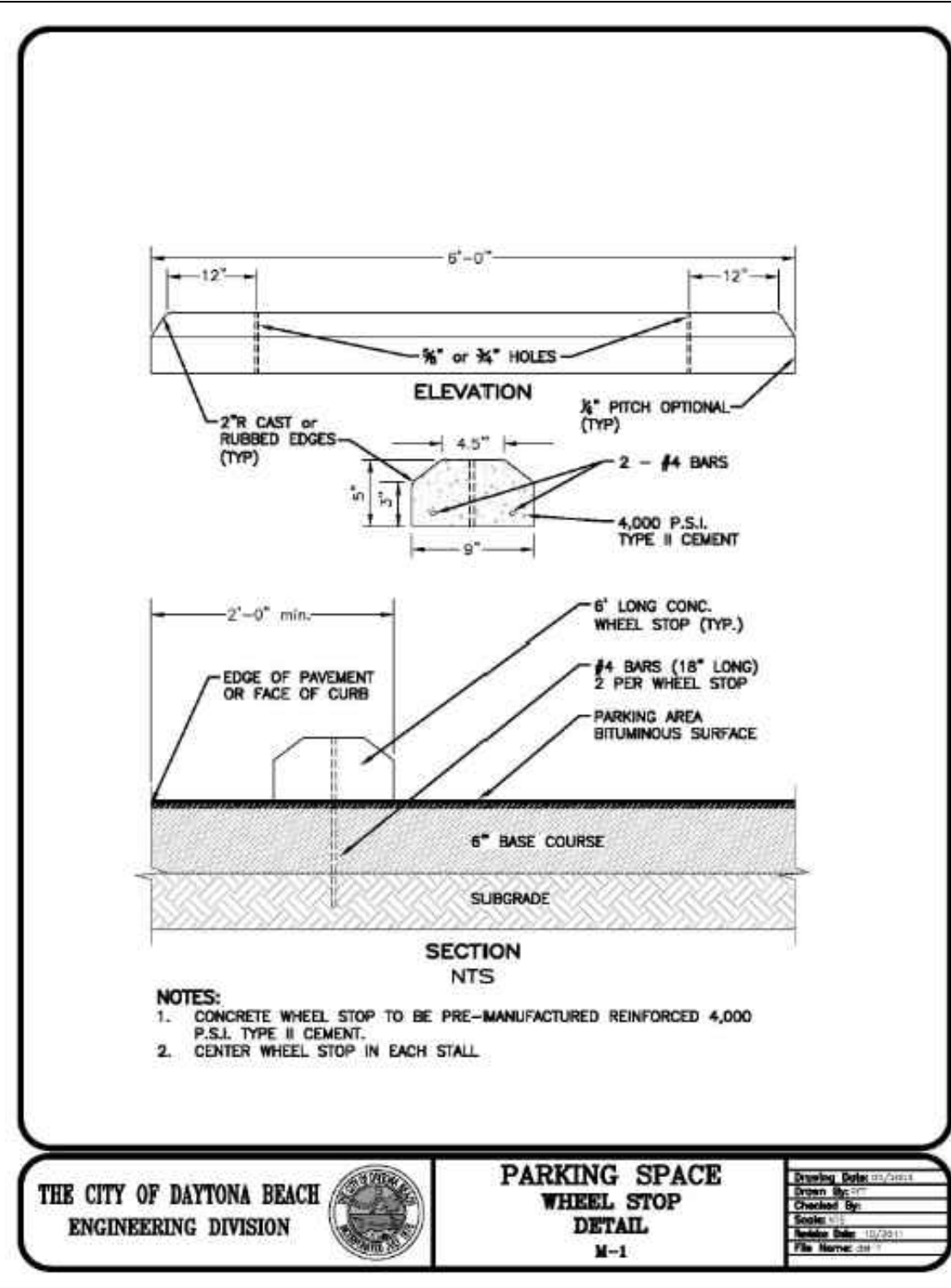
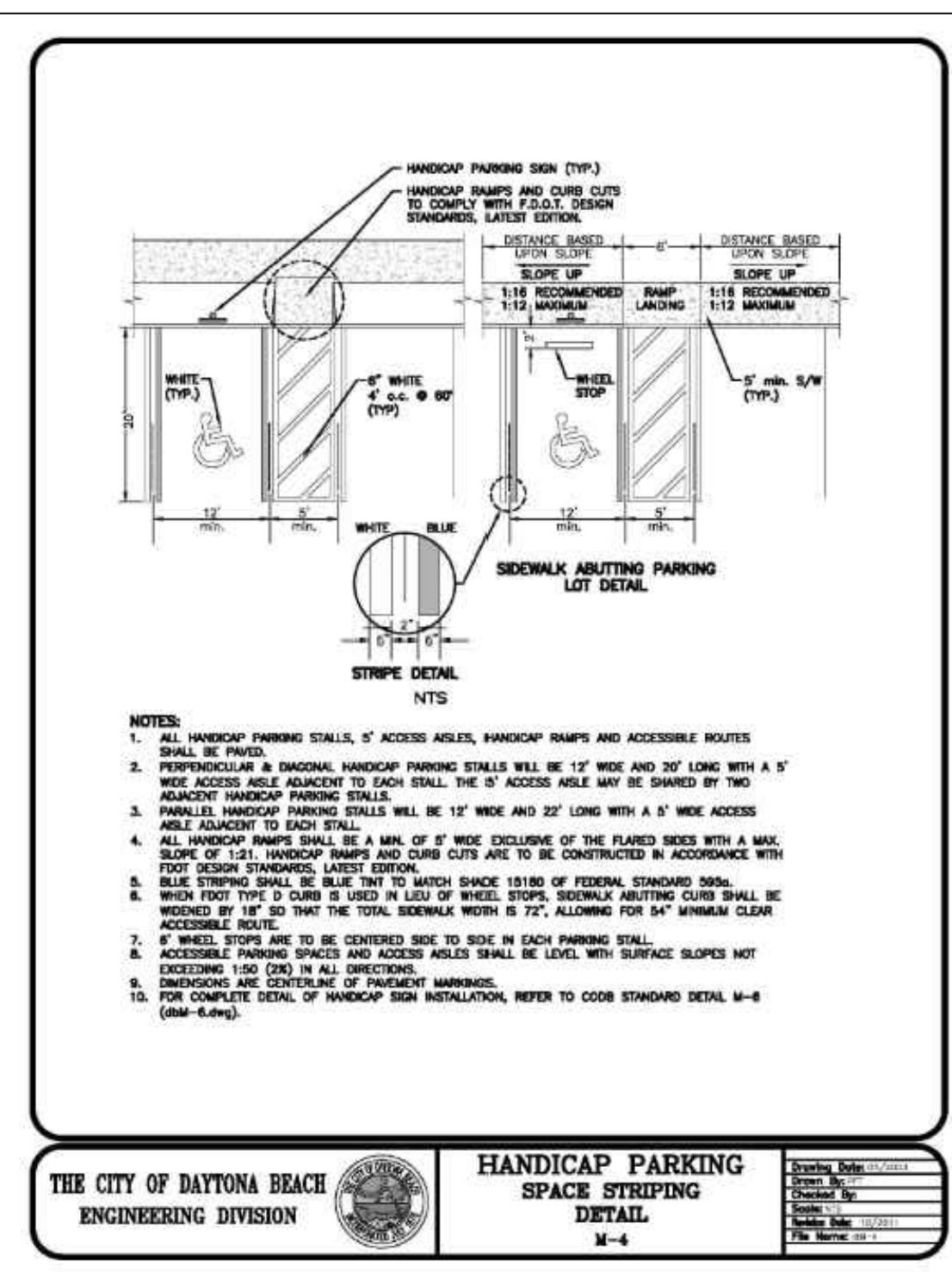
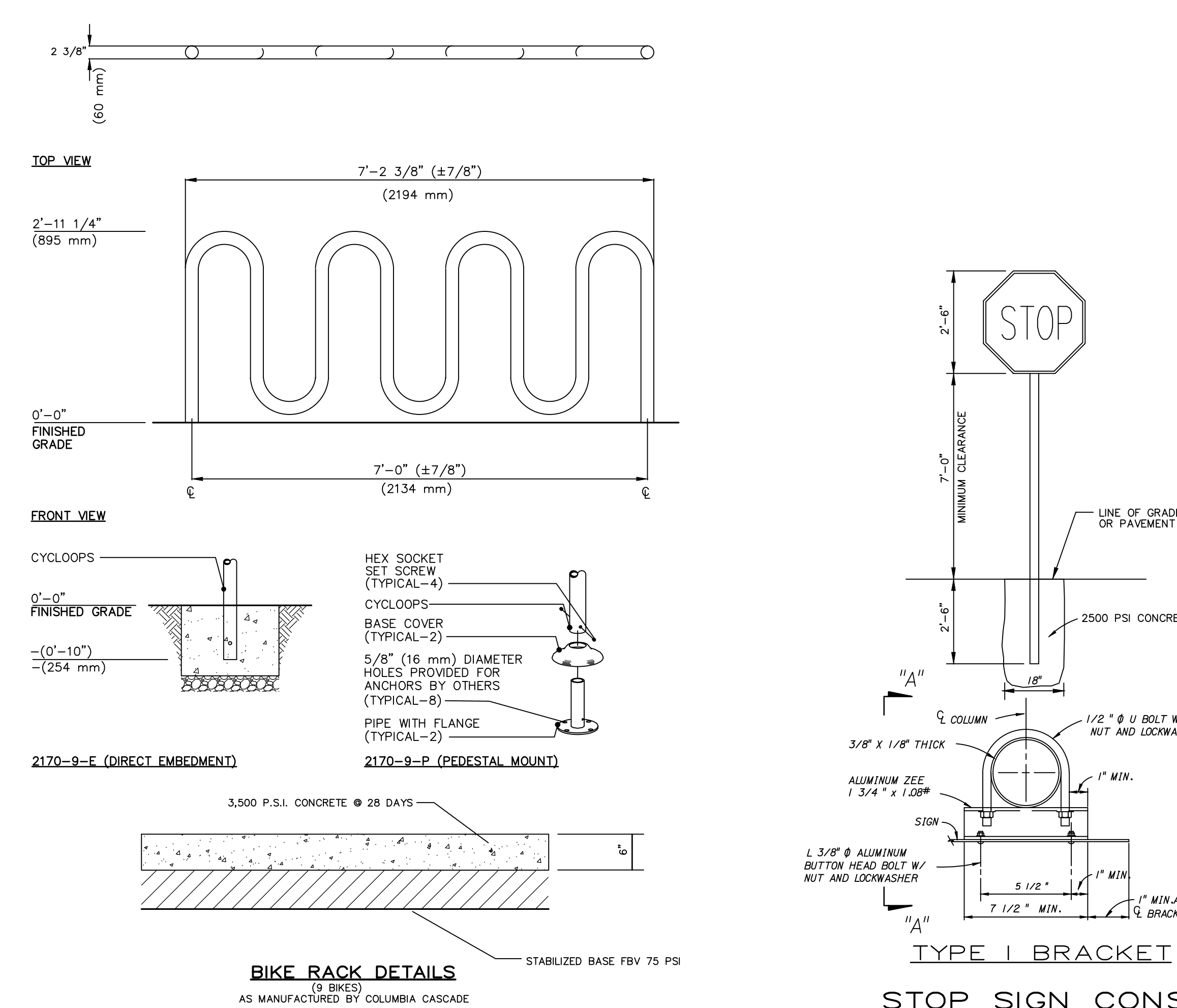
SEAL



All Sidewalk Curb Ramps Shall Have Detectable Warning Surfaces That Extend The Full Width Of The Ramp And In The Direction Of Travel 24 Inches (610 mm) From The Back Of Curb.

NOTE: On Ramps That Are Perpendicular With The Curb Line, The Dome Pattern Shall Be In-Line With The Direction Of Travel. On Ramps Intersecting Curb On A Radius, The Dome Pattern Shall Be In-Line With The Direction Of Travel To The Extent Practical.

ADA DETECTABLE WARNING DETAIL



DEV. #2017-104
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REVISIONS

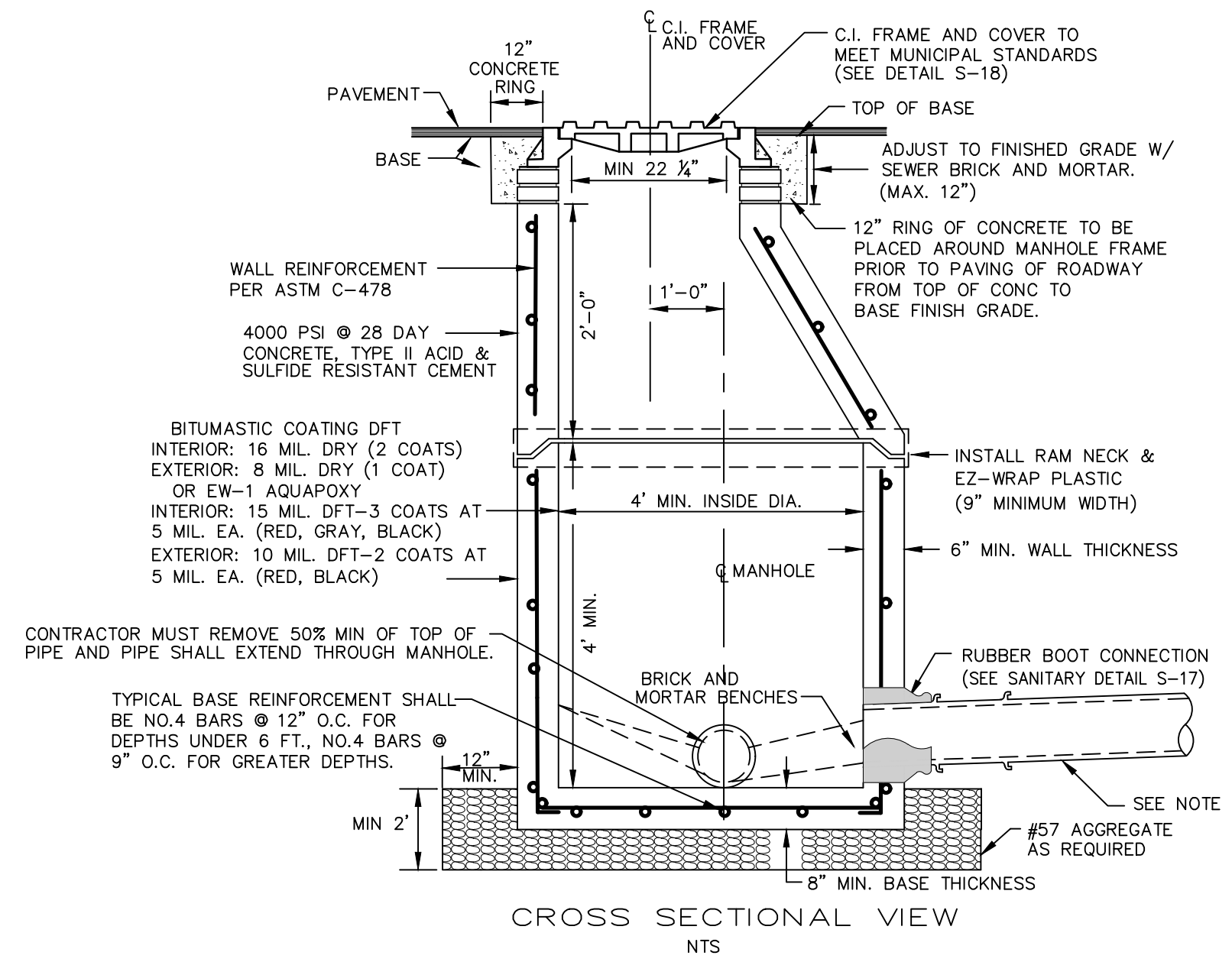
PARKER MYNCHENBERG & ASSOCIATES, INC.
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PAVING & DRAINAGE DETAILS

FIRST STEP HOMELESS ASSISTANCE SHELTER
DAYTONA BEACH * FLORIDA

FILE NO. 1622PD.DWG	DESIGNER: P.MYNCHENBERG
DATE: 7/12/17	CADD TECH: BVB
SCALE: NONE	SHEET 12 OF 18

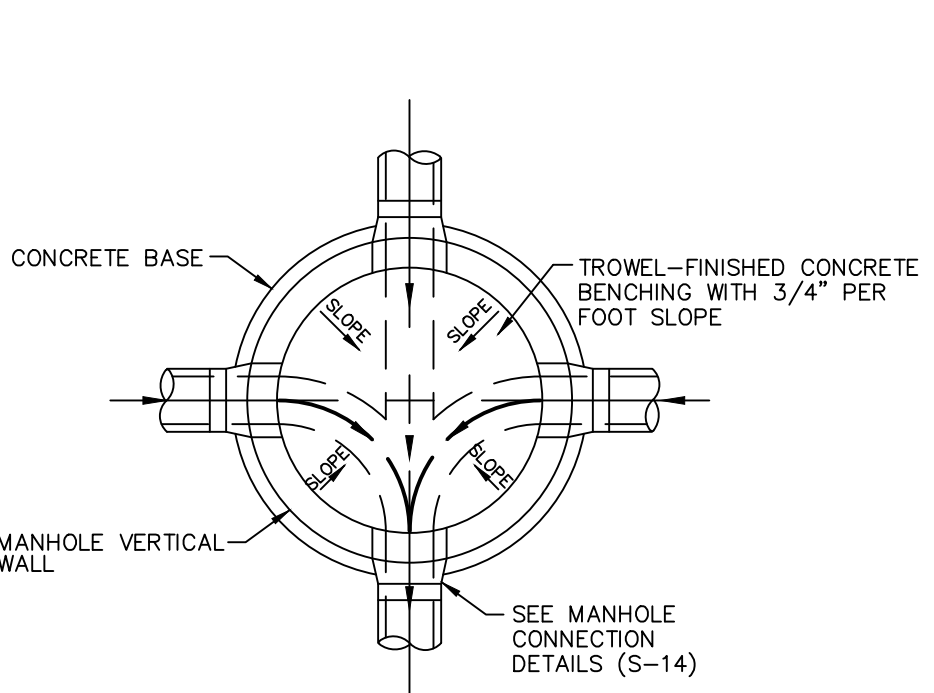
SEAL



- NOTES:**
- ON TRANSITIONS BETWEEN LARGER DIAMETER AND SMALLER SEWER COLLECTORS, INVERTS OF SEWERS SHALL BE MATCHED.
 - LAST 60' OF F.M. 12" PIPING ENTERING SEWER MANHOLE SHALL BE P.V.C. C-900 PLACED AT A NEGATIVE GRADE. 15' AND ABOVE SHALL BE P.V.C. C-905.
 - NON-PENETRATING PICK-HOLES IN ALL CONCRETE SECTIONS.
 - DFT = DRY FILM THICKNESS
 - 0.1' - DROP ACROSS MANHOLE TYP. (MEASURED DIA. OF CONCRETE RING)
 - MANHOLES 8' DEEP OR GREATER SHALL HAVE A MIN. 4' HIGH WALL BASE.
 - ANY PIPE ENTERING MANHOLE MUST HAVE A RUBBER BOOT CONNECTION.
 - MORTAR TO CONTAIN "HYDRATITE", OR APPROVED EQUAL, TO PREVENT SHRINKAGE.
 - SUB-GRADE BENEATH MANHOLES SHALL BE UNDISTURBED GRANULAR UNSATURATED SOIL. No. 57 AGGREGATE STONE SHALL BE USED IN WET CONDITIONS AND/OR WHERE UNSUITABLE MATERIAL IS ENCOUNTERED.
 - CONTRACTOR SHALL PROVIDE THICKER MANHOLE WALLS AND BASES AS REQUIRED TO PREVENT FLOTATION BASED ON HISTORIC HIGH GROUND WATER TABLE ELEVATIONS AS DETERMINED USING ACCEPTED ENGINEERING PRACTICES AND/OR APPROVED BY UTILITIES DEPARTMENT.
 - SHOP DRAWINGS FOR ALL STRUCTURES SHALL BE SUBMITTED TO AND APPROVED BY THE DESIGN ENGINEER PRIOR TO INSTALLATION.
 - NO BUG HOLES OR HONEYCOMB WILL BE ACCEPTED.
 - ENDS OF THE TOP AND BOTTOM SECTIONS OF THE MANHOLE SHALL FIT FLUSH TOGETHER.
 - SANITARY SEWER MANHOLES WHICH HAVE SEWER FORCE MAINS DISCHARGING DIRECTLY INTO THEM, OR ANY MANHOLE WITHIN 200 FEET OF A LIFT STATION, SHALL BE FIBERGLASS OR PVC LINED. RETRO-FITTING OF MANHOLES WITH LINERS SHALL BE REQUIRED WHEN NEW CONNECTIONS SUCH AS THIS ARE MADE. FIBERGLASS SHALL BE A MINIMUM 1/2" THICKNESS UNLESS APPROVED OTHERWISE BY THE CITY. LINING SHALL BE AGRU SURE-GRIP OR PRE-APPROVED EQUAL.

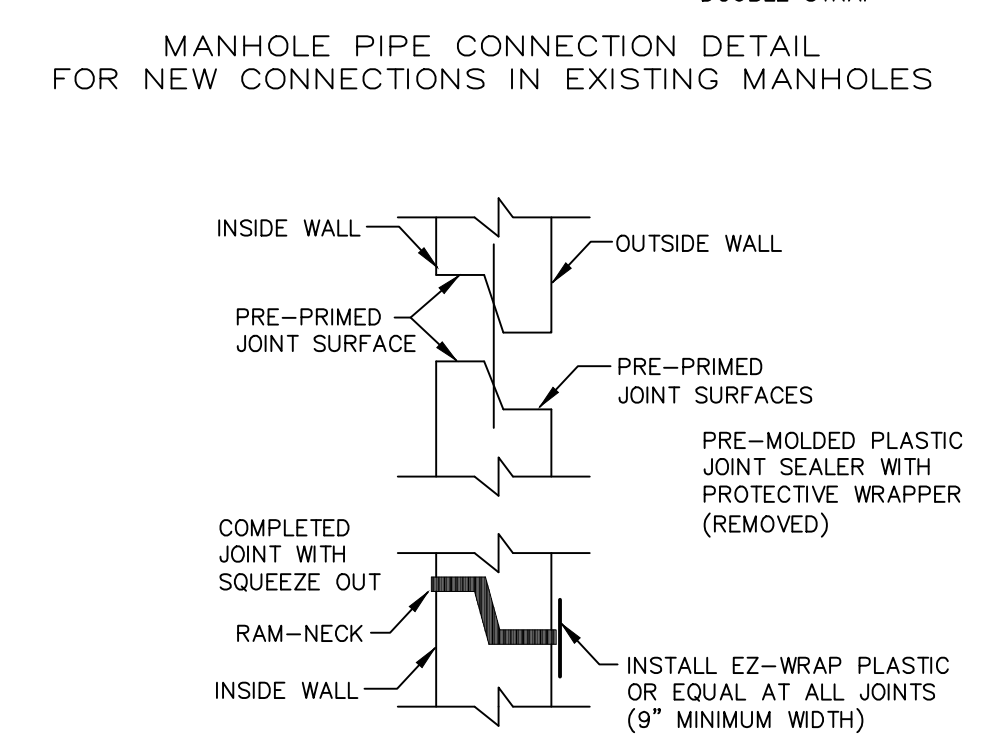
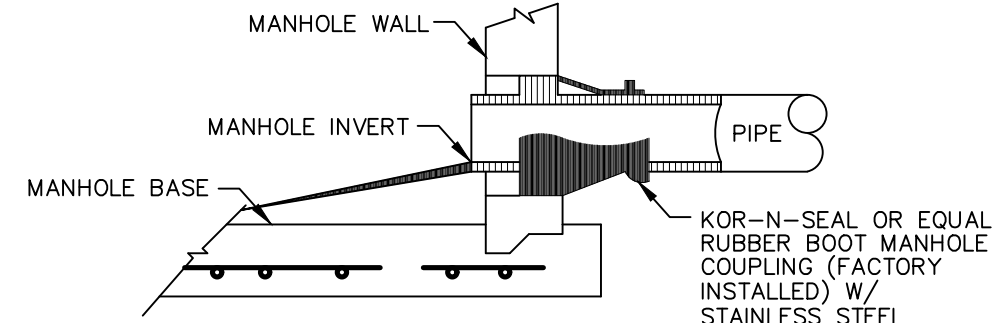
STANDARD SANITARY SEWER MANHOLE

SANITARY SEWER MANHOLE AND GENERAL NOTES S-13



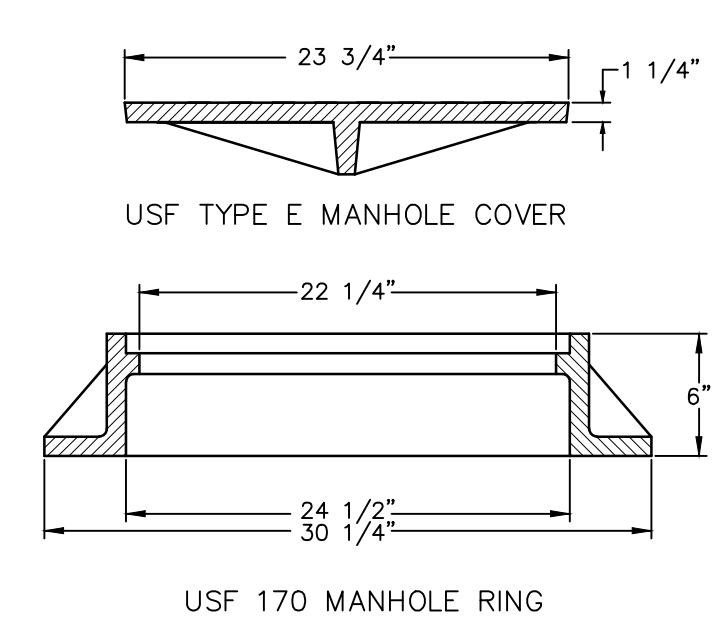
- NOTES:**
- FLOW CHANNELS SHALL HAVE THE SAME SLOPES AS THE SEWERS THEY ARE CONNECTED TO, (EXCEPT THAT AT CHANGES OF DIRECTION EXCEEDING 45°, THE DROP SHALL BE 0.1' MINIMUM)
 - NO STANDING WATER WILL BE ALLOWED.
 - FORM BENCH IN MANHOLE FROM MID-LINE OF 8" PIPE TO WALL OF MANHOLE, 3/4" PER FT. OF SLOPE. FOR LARGER PIPE, CONSTRUCT FROM INSIDE CROWN OF PIPE WITH 3/4" PER FT. OF SLOPE TO WALL.

SANITARY MANHOLE INVERT DETAIL
NTS
SANITARY MANHOLE INVERT DETAIL
S-16



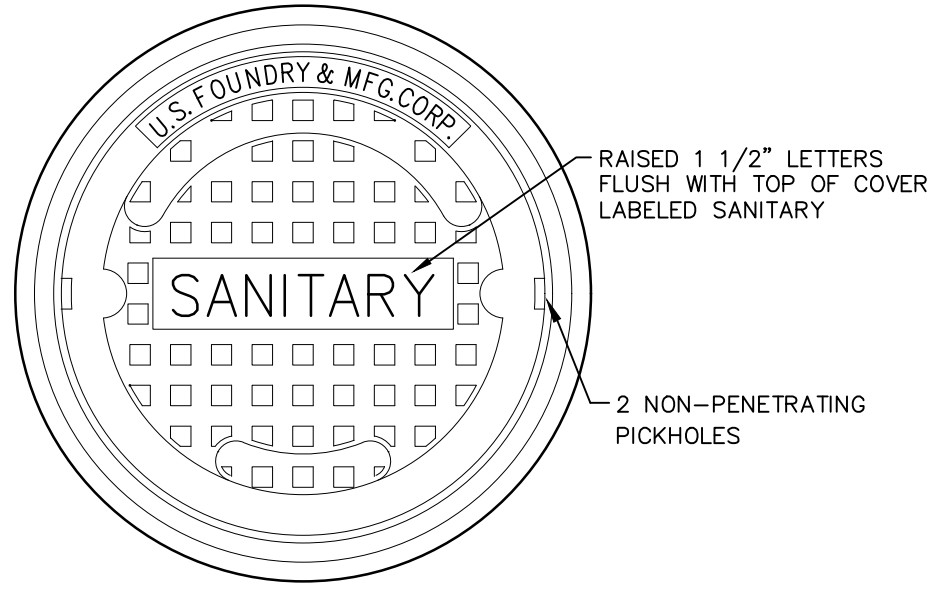
- NOTES:**
- ALL NEW CONNECTIONS TO EXISTING SANITARY SEWER MANHOLES SHALL UTILIZE A CORING METHOD AND THE IN-FIELD INSTALLATION OF A RUBBER BOOT INTO THE MANHOLE.
 - BOOTS SHALL BE SNAPPED IN PLACE AND WATER TIGHT.

RUBBER BOOT AND PRECAST JOINT CONNECTION DETAIL
NTS
RUBBER BOOT AND PRECAST JOINT CONNECTION DETAIL
S-17



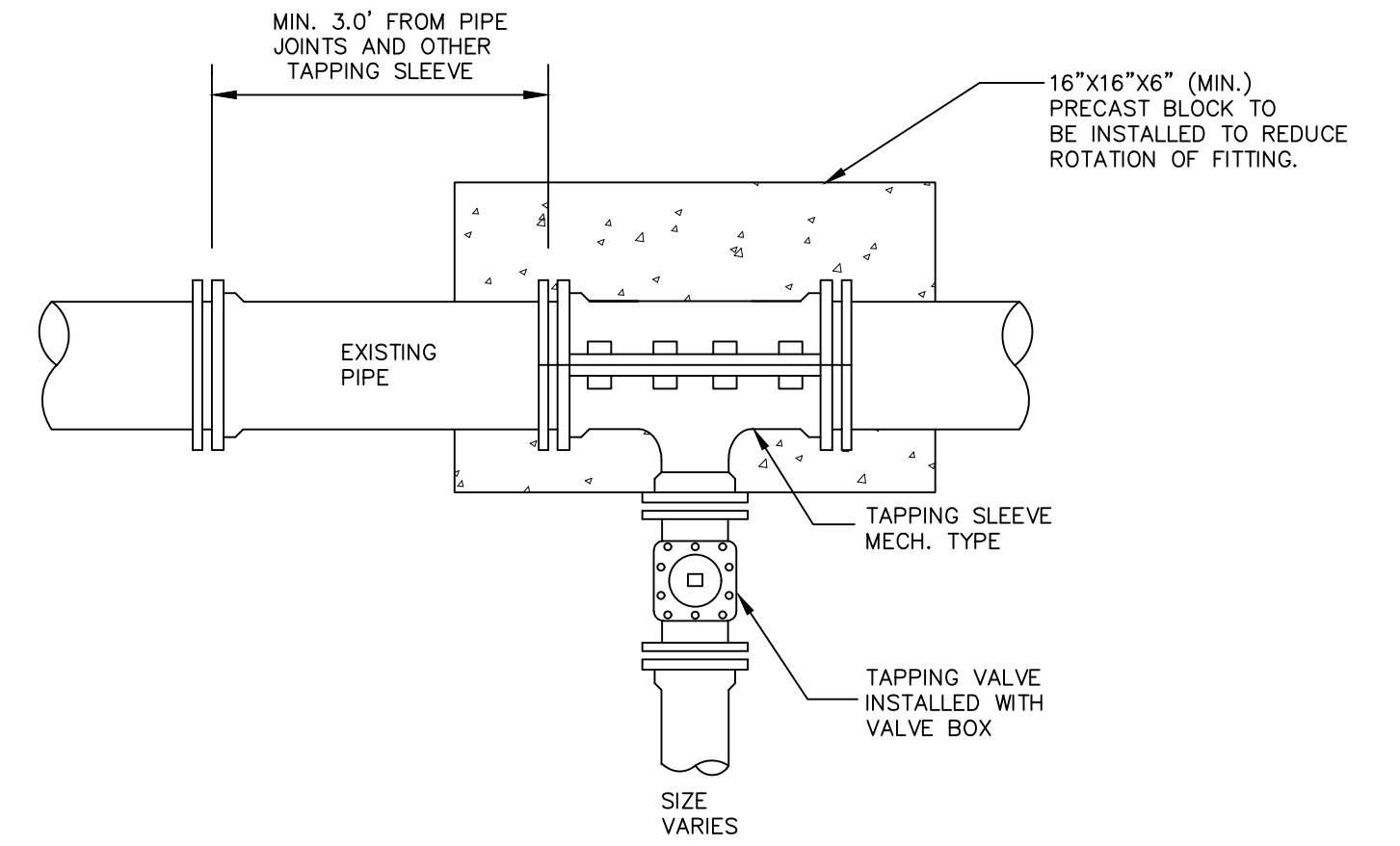
- NOTES:**
- UNLESS DETAILED PLANS SHOW OTHERWISE, ALL MANHOLE RING AND COVER CASTINGS IN PAVED AREAS ARE TO BE ADJUSTED TO FINAL GRADE, SEALED AND SECURED IN PLACE WITH A CONCRETE COLLAR AFTER THE ROAD BASE IS PLACED AND JUST PRIOR TO PLACEMENT OF ASPHALT WEARING SURFACE.
 - CONCRETE COLLAR AROUND MANHOLE FRAME IS REQUIRED IN PAVED AREAS ONLY.

SANITARY SEWER COVER & GENERAL NOTES
NTS
SANITARY SEWER COVER DETAIL
S-18



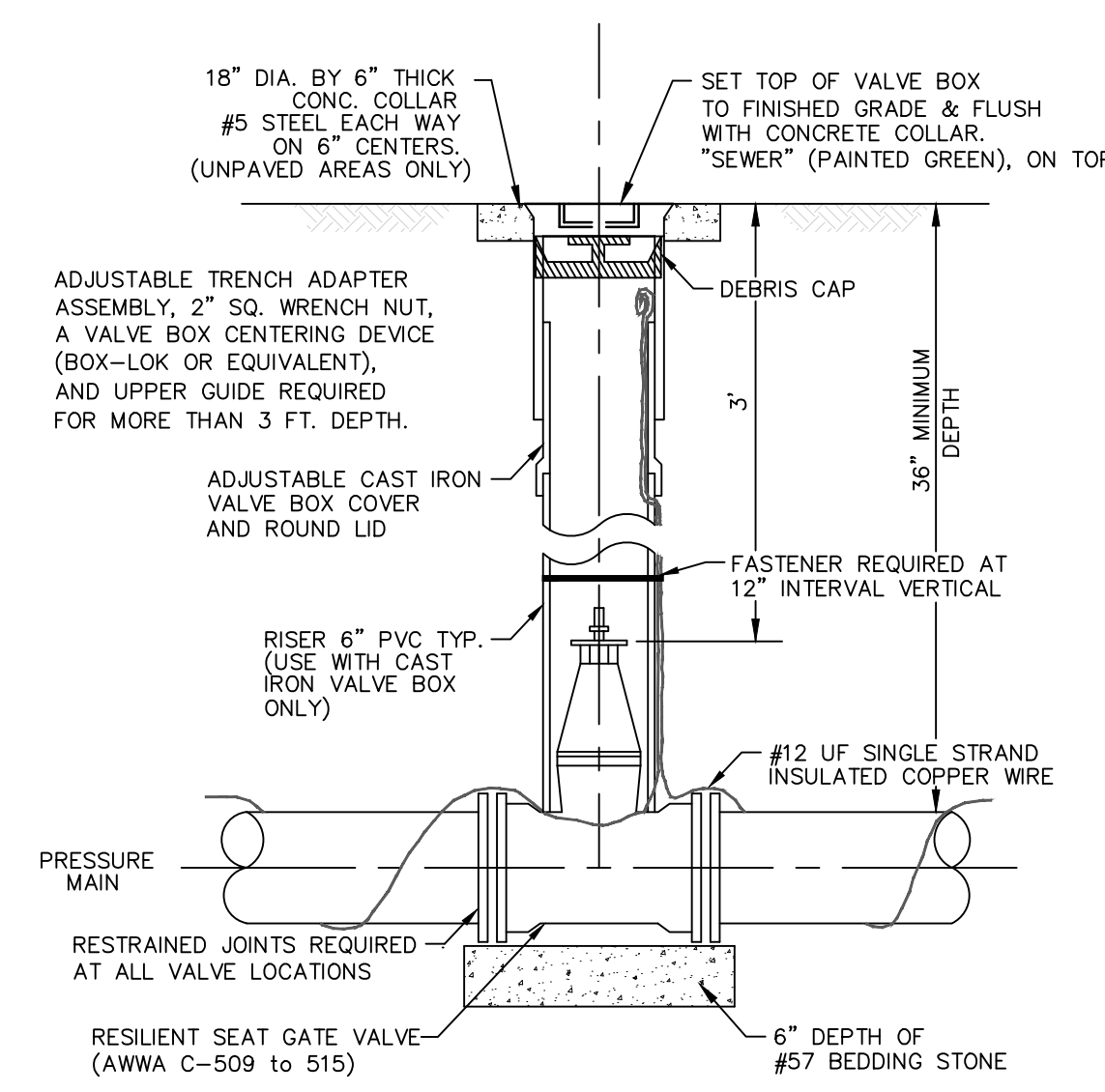
SCHEDULE OF LENGTHS OF RESTRAINED PVC PIPE (FT.)					
FITTING	90° BEND	45° BEND	22.5° BEND	11.25° BEND	TEE OR DEAD END
4"	20	18	18	18	45
6"	28	18	18	18	63
8"	36	18	18	18	82
10"	44	28	18	18	98
12"	51	21	18	18	116
14"	57	24	18	18	132
16"	63	26	18	18	148
18"	69	29	18	18	163
20"	75	31	18	18	179
24"	87	36	18	18	208
30"	102	42	20	18	248

LENGTHS BETWEEN HEAVY LINES INDICATE ONE FULL LENGTH (18' MIN.) OF PIPE TO BE RESTRAINED.
TABLE SHOWS MINIMUM LENGTH OF PIPE EACH WAY FROM FITTING FOR WHICH RESTRAINT IS REQUIRED.
TABLE APPLIES TO PVC PIPE FOR THE FOLLOWING CONDITIONS:
TEST PRESSURE: 150 PSIG
SOIL TYPE: SP
COVER DEPTH: 3 FEET (MIN.)
SAFETY FACTOR: 1.5
TRENCH TYPE: 2



- NOTES:**
- EPOXY COATED STEEL, STAINLESS STEEL, AND SPLIT DUCTILE MECHANICAL TAPPING SLEEVES ARE ALL PERMITTED FOR ALL TYPES OF PIPE MATERIALS.
 - INSTALL REQUIRED RESTRAINED JOINTS. IN NO INSTANCE SHALL THRUST BLOCK BE PERMITTED.
 - ALL TAPPING OF MAINS SHALL BE PERFORMED BY THE CITY AND BILLED IN ACCORDANCE WITH THE ADOPTED FEE RESOLUTION.

TAPPING SLEEVE & VALVE



- NOTES:**
- ROD OR BOLT TEE WHERE APPLICABLE.
 - FOR CONSTRUCTION PURPOSES, THE PLANS SHALL DIMENSION THE LOCATION OF ALL VALVES AND VALVE BOXES BY STATE PLANE COORDINATES WITH STATION & OFFSETS FROM CL OF R/W.
 - #12 INSULATED SOLID COPPER UF TRACER WIRE SHALL BE LAID THE ENTIRE LENGTH OF THE REUSE PIPE. ALL CONNECTION ENDS SHALL USE LIQUID TAPE AND A DIRECT BURIED SPLICE KIT (LAWSON 95313) OR EQUIVALENT.
 - ANY VALVE DEEPER THAN 36" SHALL HAVE AN EXTENSION BOLTED ON THE VALVE. THE OPERATING NUT SHALL BE 12" BELOW FINISHED GRADE.
 - WHERE PLUG VALVES ARE SPECIFIED THE CONCRETE COLLAR SURROUNDING THE TOP OF THE VALVE BOX SHALL HAVE AN ENGRAVED 2" x 6" BRASS NAME PLATE CLEARLY MARKED "PLUG VALVE" IN 1" HIGH BLOCK PRINT LETTERS.

SANITARY VALVE & VALVE BOX DETAILS
NTS
SANITARY VALVE AND VALVE BOX DETAIL
S-19

DEV #2017-104
CITY APPROVAL STAMP

NOTE:
PROVIDE RESTRAINED JOINTS ON ALL PIPE AND FITTINGS AS REQUIRED

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REVISIONS

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SEWER STANDARD DETAILS

FIRST STEP HOMELESS ASSISTANCE SHELTER
DAYTONA BEACH * FLORIDA

FILE NO. 1622SD_REV.dwg	DESIGNER: P.MYNCHENBERG
DATE: 7/12/17	CADD TECH: BVB
SCALE: NONE	SHEET 17 OF 18

SEAL