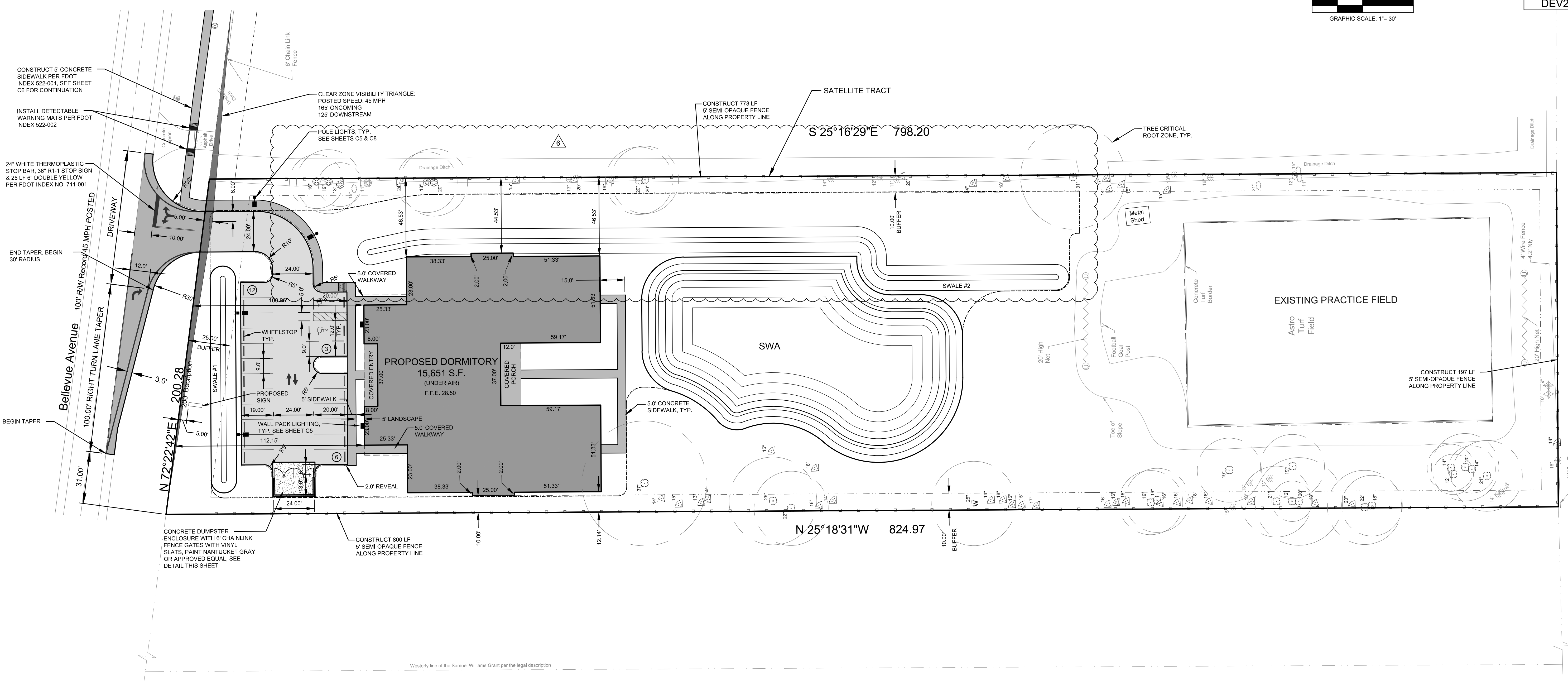


DEV2019-128



NO.	DATE	APPR.	REVISION
6	05/20	JHH	REMOVED DRIVEWAY & REVISED UTILITIES
5	04/20	JHH	ADDED TRANSFORMER AND PROPANE TANK
4	2/24/20	JHH	ADDED GREASE TRAP
3	10/29/19	JHH	REVISED PER COUNTY COMMENTS DATED 10/29/19
2	10/16/19	JHH	REVISED PER COUNTY COMMENTS DATED 10/16/19
1	09/21/19	JHH	REVISED PER COUNTY COMMENTS DATED 09/21/19

THE PERFORMANCE GROUP
 CIVIL ENGINEERING / PLANNING / DEVELOPMENT

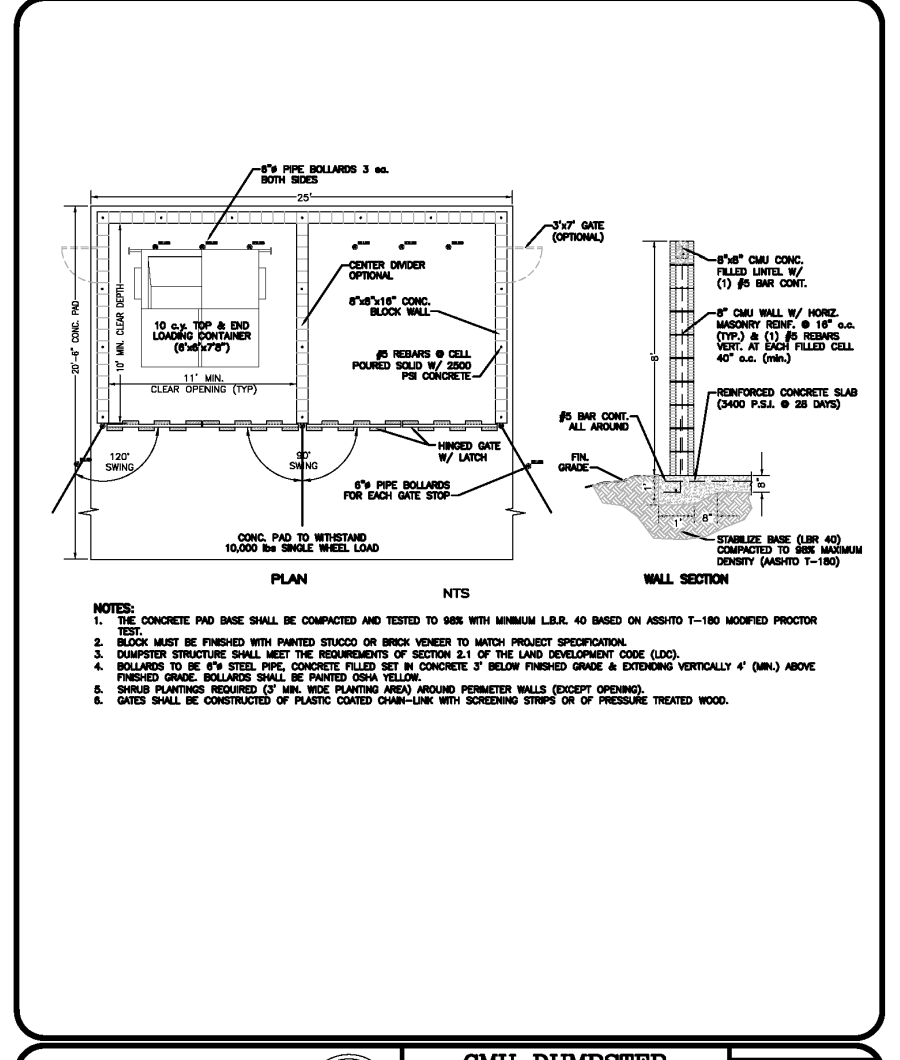
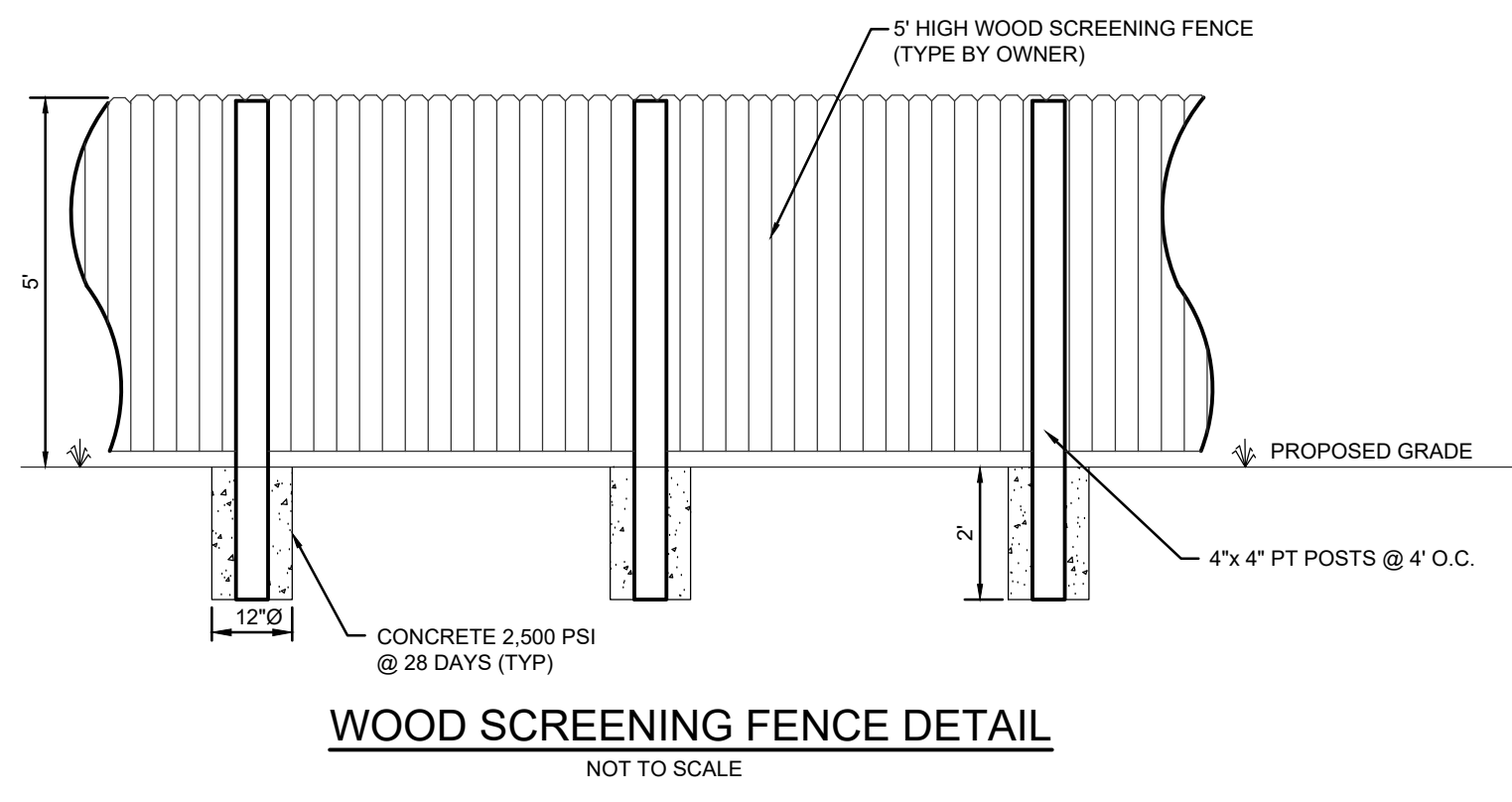
JOSEPH H. HOPKINS, P.E. NO. 48059
 LICENSED BUSINESS CERTIFICATION NO. 7175
 1000 W. UNIVERSITY AVE., SUITE 100
 DAYTON, OH 45424-1000
 PHONE: (937) 233-1000 FAX: (937) 233-1001

SATELLITE TRACT DIMENSION PLAN

DME SPORTS, LLC

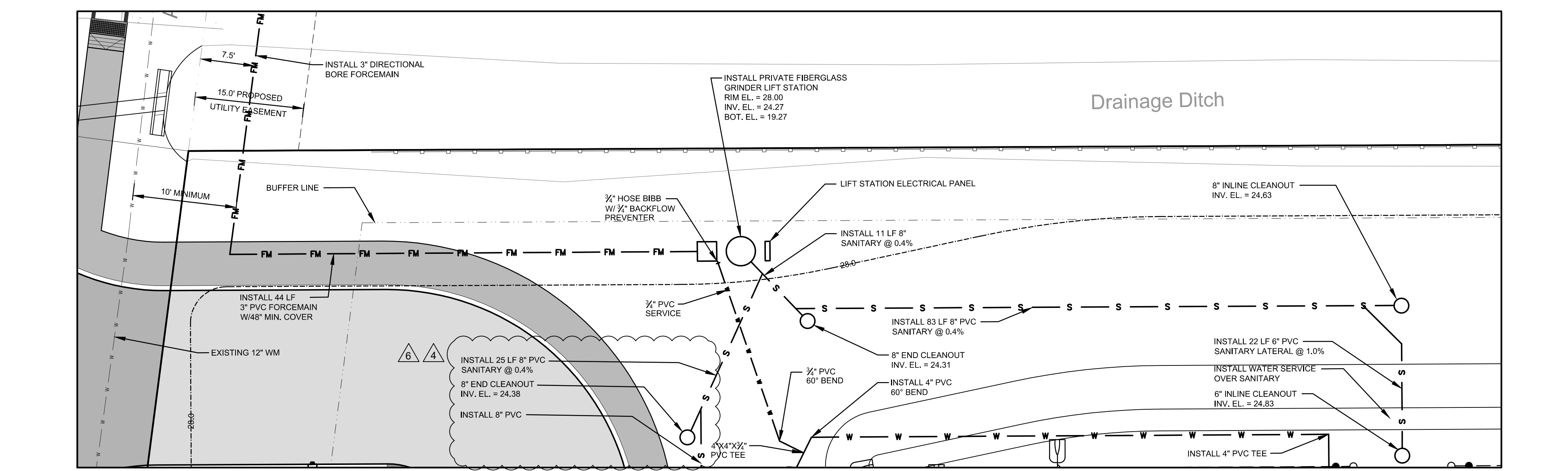
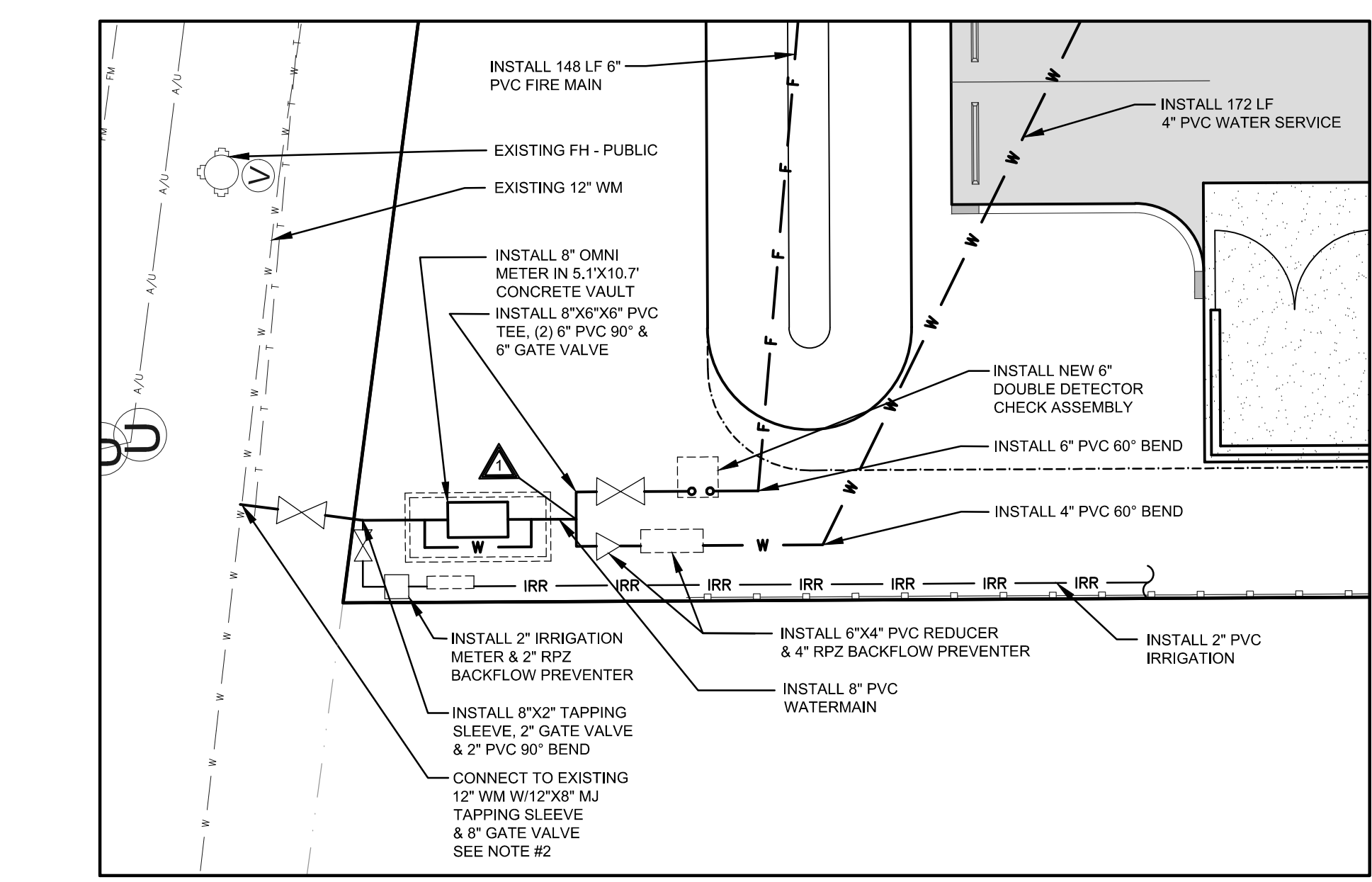
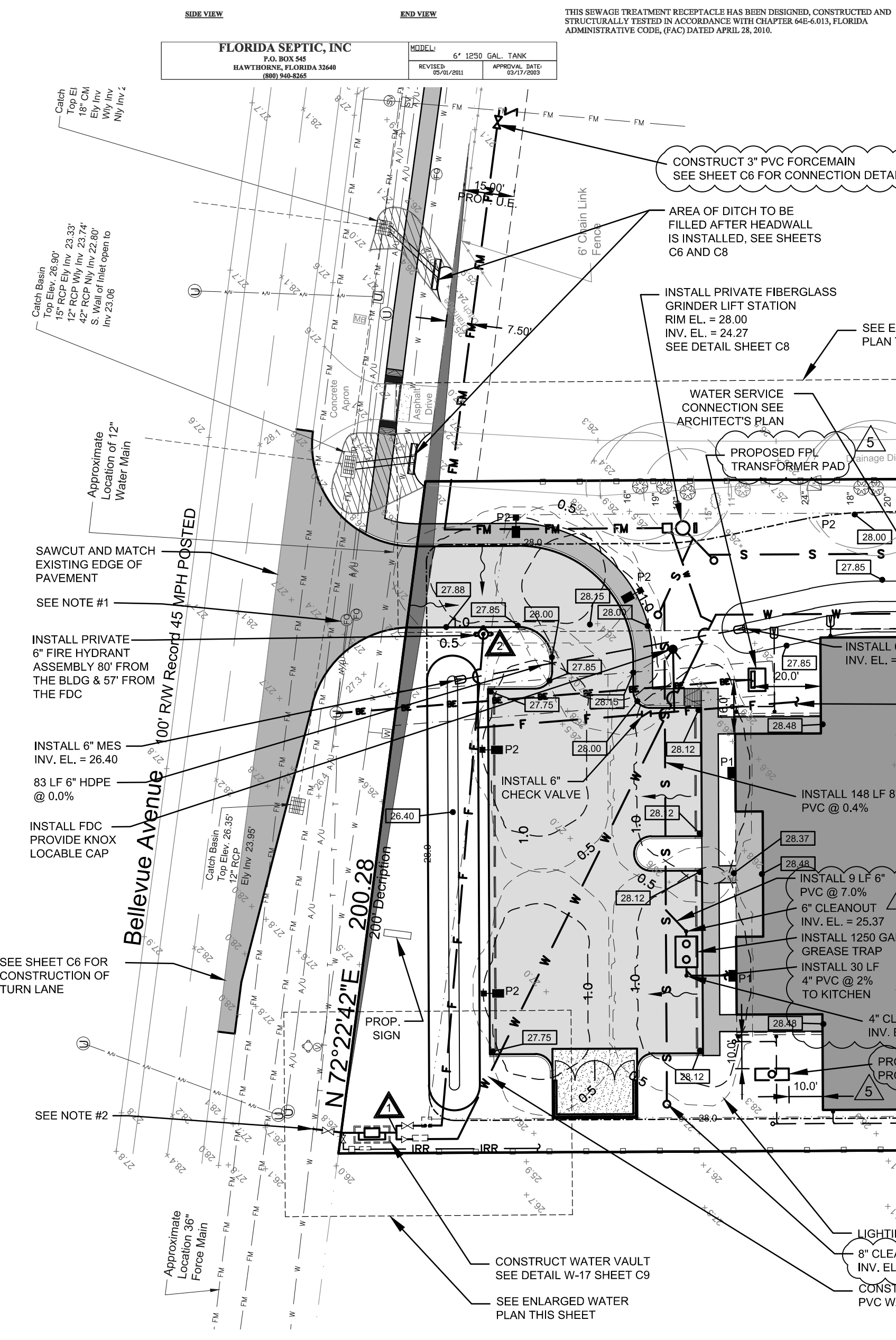
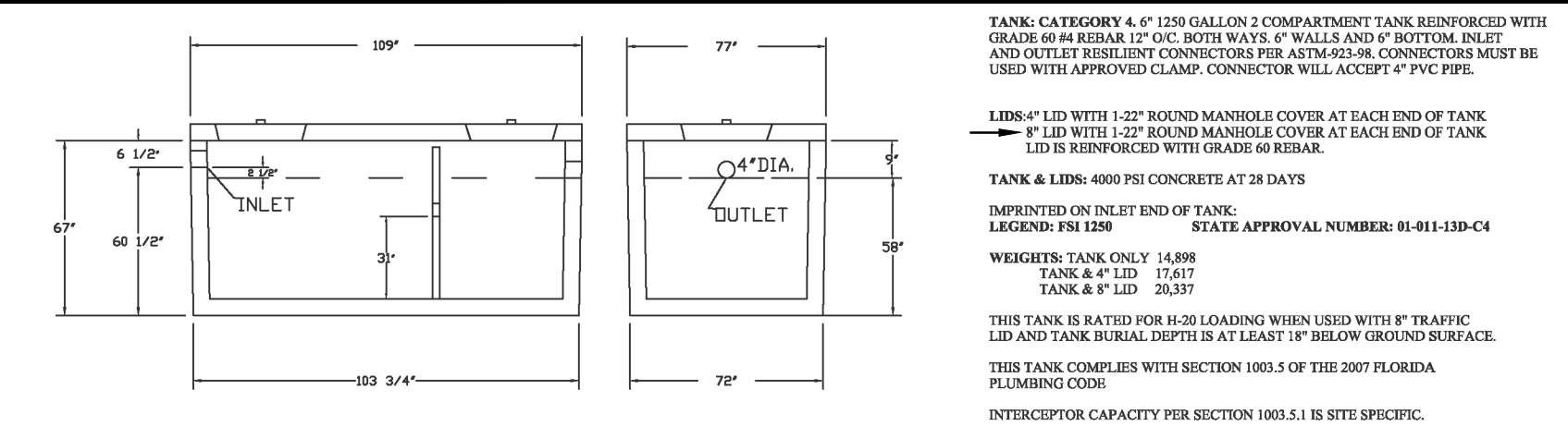
NOT RELEASED FOR CONSTRUCTION

P.E. LIC. 48059 BUS. CERT. LIC. 7175
SCALE: 1"=30'
DESIGNED: JHH
DRAWN: KMP
DATE: 1/8/19
PROJECT NO. 250
250-REV SITE PLAN 2019.2B
SHEET C4 OF 10



THE CITY OF DAYTONA BEACH
 ENGINEERING DIVISION

CMU DUMPSTER ENCLOSURE (MULTIPLE UNITS) DETAIL
 C-11



FIRE SYSTEM NOTES:

- FDC PIPING SHALL BE DR-14, 200 PSI RATED OR EQUIVALENT. PRIVATE FIRE HYDRANT BODY SHALL BE PAINTED RED. BONNETS SHALL BE PAINTED BASED UPON THE ACTUAL FLOW NUMBERS.
- PROVIDE KNOX LOCKABLE PLUGS FOR THE FDC.
- MAINTAIN 7' 6" FEET CLEARANCE TO THE FRONT AND SIDES OF ALL HYDRANTS.
- MOUNT KNOX BOX BETWEEN 5' AND 6' HIGH ON THE BUILDING EXTERIOR AT THE MAIN ENTRANCE.
- A LICENSED FIRE SPRINKLER CONTRACTOR SHALL CONDUCT A FIRE FLOW TEST ON THE NEWLY INSTALLED HYDRANT, MAKING COPIES AVAILABLE TO CITY PERSONNEL PRIOR TO THE ISSUANCE OF CO.
- TWO-WAY RADIO COMMUNICATION ENHANCEMENT SYSTEM MAY BE REQUIRED AT THE TIME OF BUILDING CONSTRUCTION OR AT A LATER DATE. IF THE FIRE DEPARTMENT RADIO COMMUNICATION IS DEEMED TO BE INADEQUATE.
- PVC FIRE MAIN SHALL BE AWWA C900, CLASS 150 DR 18. SEE NOTE 9 OF THE UTILITY NOTES ON THE COVER SHEET.
- BUILDING CONSTRUCTION TYPE: "R". SIGN TO BE MOUNTED ON THE BUILDING'S EXTERIOR 5' TO 6' ABOVE FINISHED FLOOR AT THE MAIN ENTRANCE.
- THE BUILDING WILL BE IN COMPLIANCE WITH NFPA 111.10.1 (6TH EDITION FL FIRE PREVENTION CODE) IN REGARD TO F.D. TWO-WAY RADIO COMMUNICATION ENHANCEMENT SYSTEMS. THE POSSIBLE NEED FOR SUCH A SYSTEM WILL BE DETERMINED BY THE FIRE MARSHAL OR APPROPRIATE CITY OFFICIAL BASED UPON TESTING PERFORMED BY AN AUTHORIZED COMMUNICATION CONTRACTOR UTILIZING RADIO STRENGTH GRID TESTING OF THE PROPERTY IN ACCORDANCE WITH NFPA 71 (2013) AND NFPA 1221 (2016).
- THE REQUIRED GRID TESTING TO DETERMINE IS AN ENHANCEMENT SYSTEM IS REQUIRED. IS TO BE COMPLETED PRIOR TO BUILDING C.O. SHOULD A TWO-WAY RADIO COMMUNICATION ENHANCEMENT SYSTEM BE DETERMINED TO BE REQUIRED, IT MUST BE INSTALLED PRIOR TO BUILDING C.O.

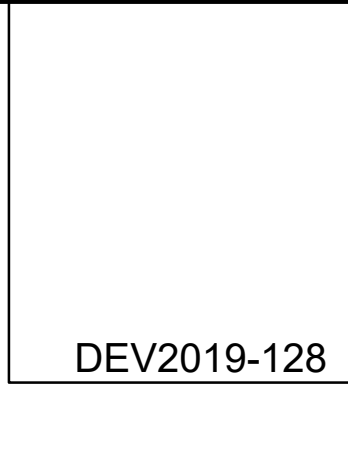
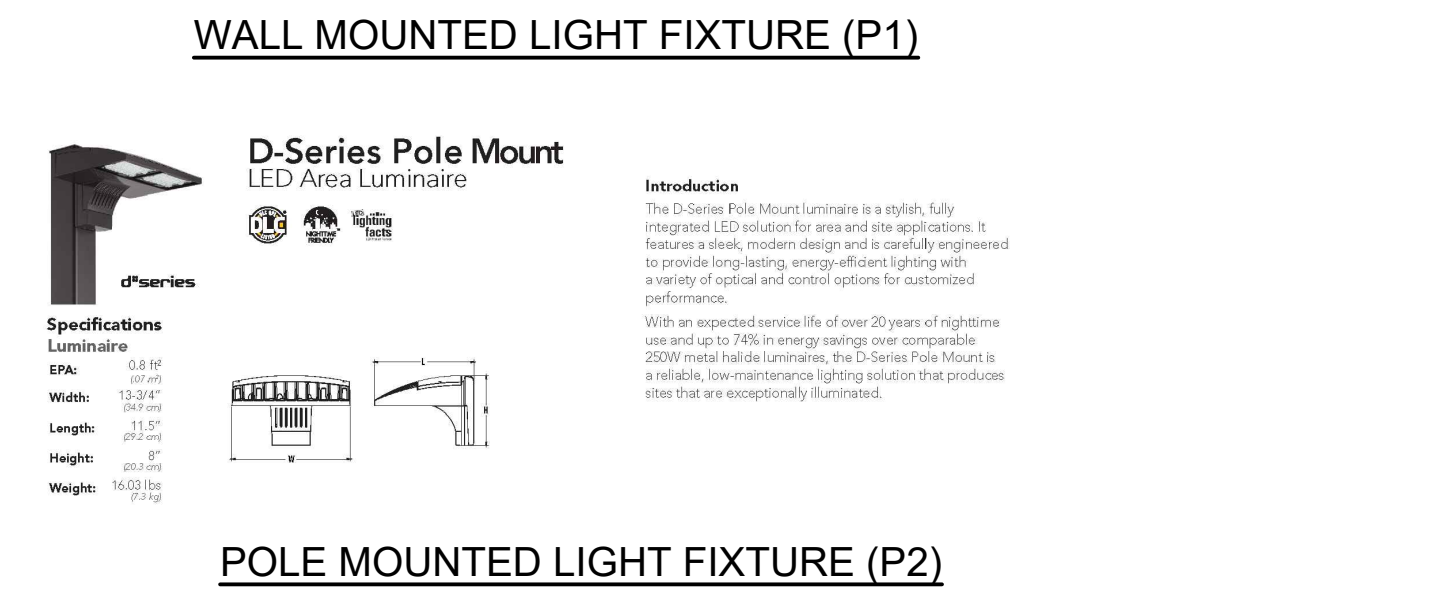
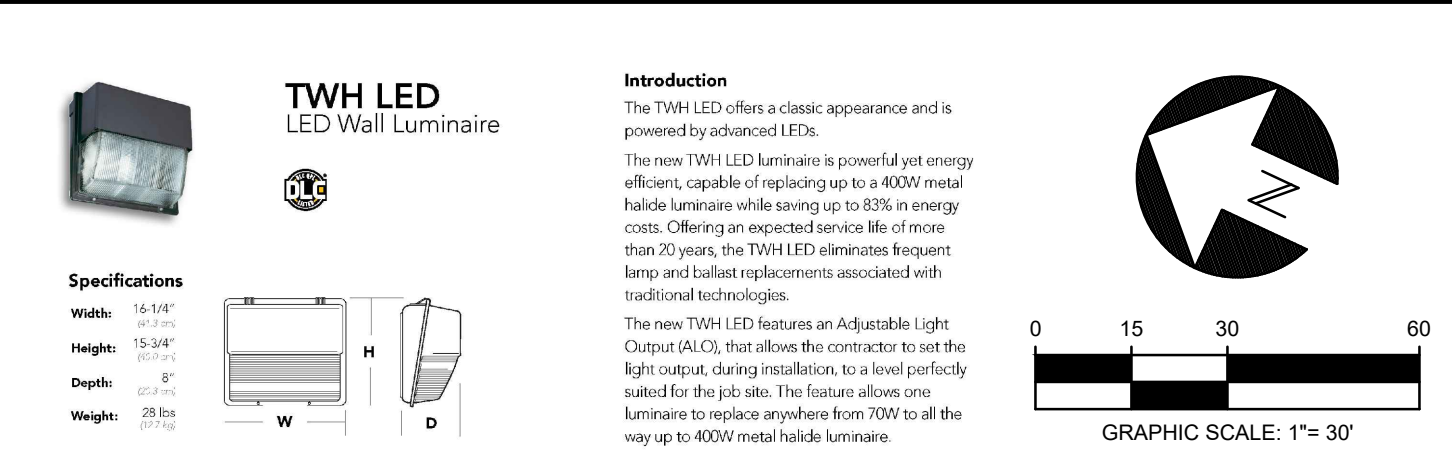
SITE LIGHTING FIXTURE SCHEDULE

MARK	DESCRIPTION
P1	LITHONIA LIGHTING CATALOG #: TWH LED 30C 1000 40K T3M MVOLT DDBXD, WALL MOUNTED AT 10' HIGH. DRIVE CURRENT @ 1000mA; SYSTEM WATTS 78W, 30 LEDs = 8,375.5 LUMENS
P2	LITHONIA LIGHTING CATALOG #: DSXWPM LED 20C 1000 AMBPC T3S MVOLT HS, MOUNTED ON A 15' POLE. DRIVE CURRENT 1000mA; SYSTEM WATTS 74W, 20 LEDs = 4,480 LUMENS

POLE FOUNDATIONS TO BE IN ACCORDANCE WITH MFR. SPECIFICATIONS.

SHEET NOTES:

- COORDINATE RELOCATION OF FIBER OPTIC RISER TO A LOCATION 3" MINIMUM OUTSIDE PROPOSED PAVED DRIVEWAY.
- THE CLEAR ZONE IS A MINIMUM 6' 18" FROM THE OUTSIDE EDGE OF THE TRAVEL LANE. ALL ACTIVITIES SHALL TAKE PLACE OUTSIDE THE CLEAR ZONE.
- SEE VOLUISIA COUNTY NOTE NUMBER 5 FOR OFFSITE PAVEMENT SPECIFICATIONS, SHEET C10.



DEV2019-128

NO.	DATE	APPR.	REVISION
1	05/20/19	JHH	REMOVED DRIVEWAY & REVISED UTILITIES
2	05/20/19	JHH	ADDED TRANSFORMER AND PROPANE TANK
3	05/20/19	JHH	ADDED GREASE TRAP
4	05/20/19	JHH	REVISED PER COUNTY COMMENTS DATED 10/21/19
5	05/20/19	JHH	REVISED PER COUNTY COMMENTS DATED 09/24/19
6	05/20/19	JHH	REVISED PER COUNTY COMMENTS DATED 09/24/19

THE PERFORMANCE GROUP
CIVIL ENGINEERING / PLANNING / DEVELOPMENT

DME SPORTS, LLC

SATELLITE TRACT PAVING, DRAINAGE & UTILITY PLAN

NOT RELEASED FOR CONSTRUCTION

P.E. LIC. 48059
BUS. CERT. LIC. 7175

SCALE: AS NOTED

DESIGNED: JHH

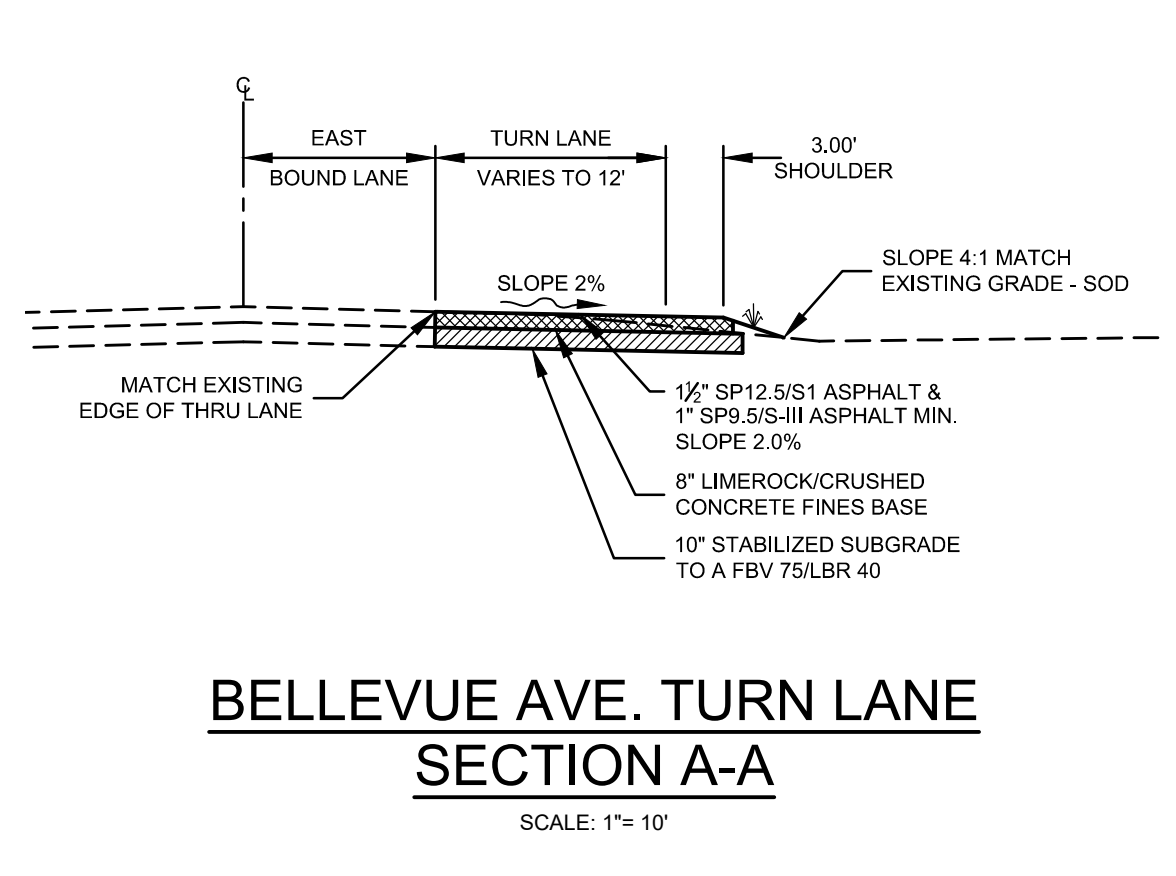
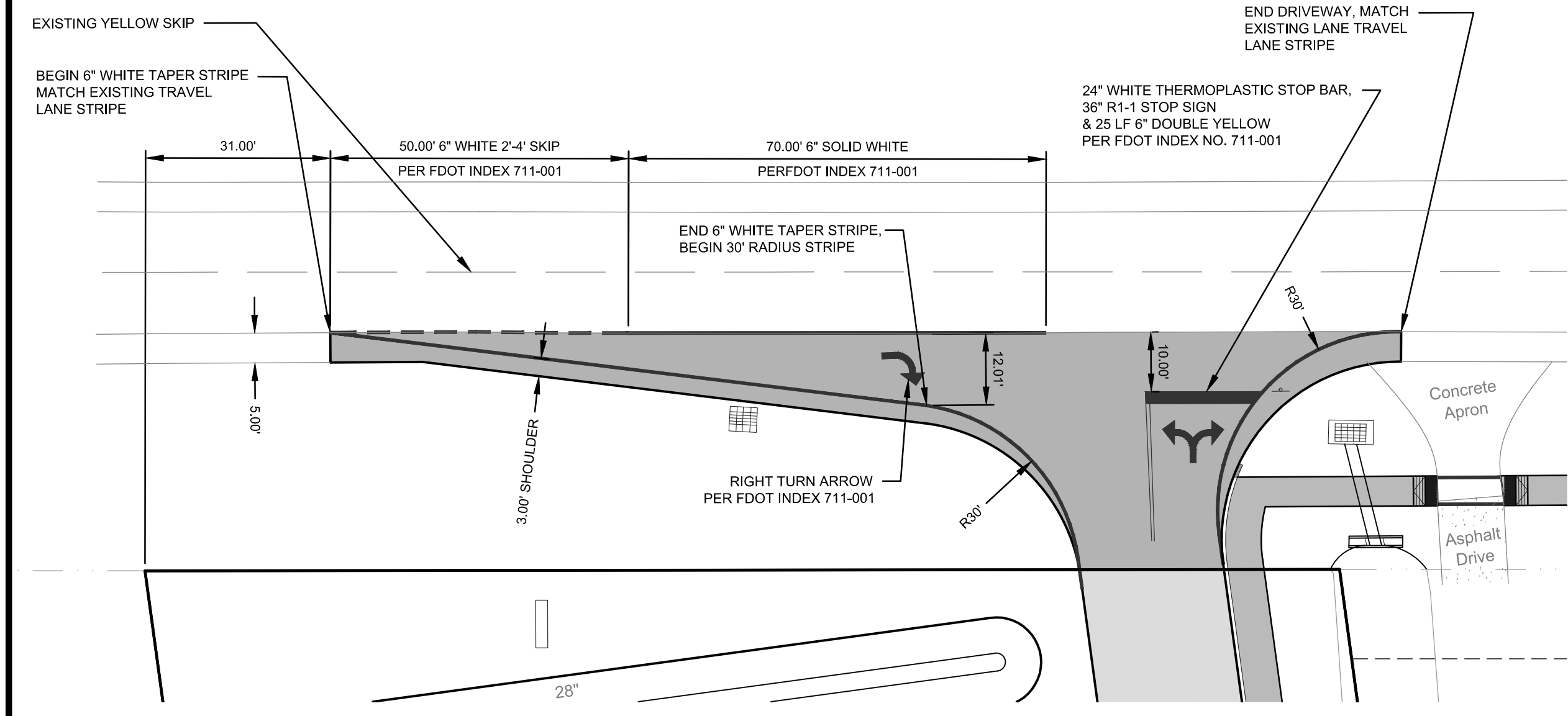
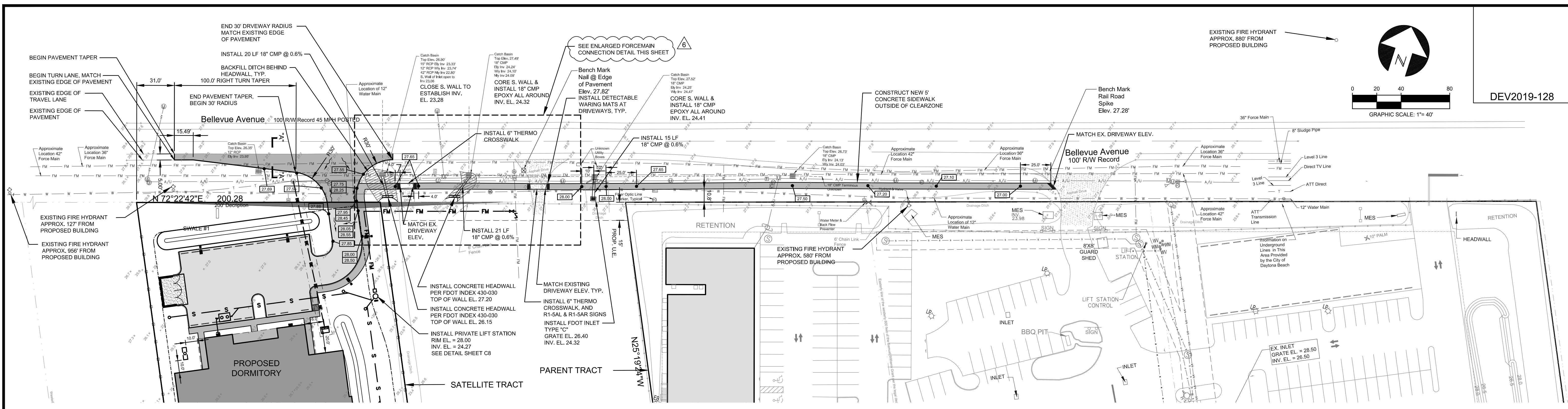
DRAWN: KMP

DATE: 1/8/19

PROJECT NO. 250

250-REV SITE PLAN 2019 2B

SHEET C5 OF 10



FORCEMAIN NOTES:

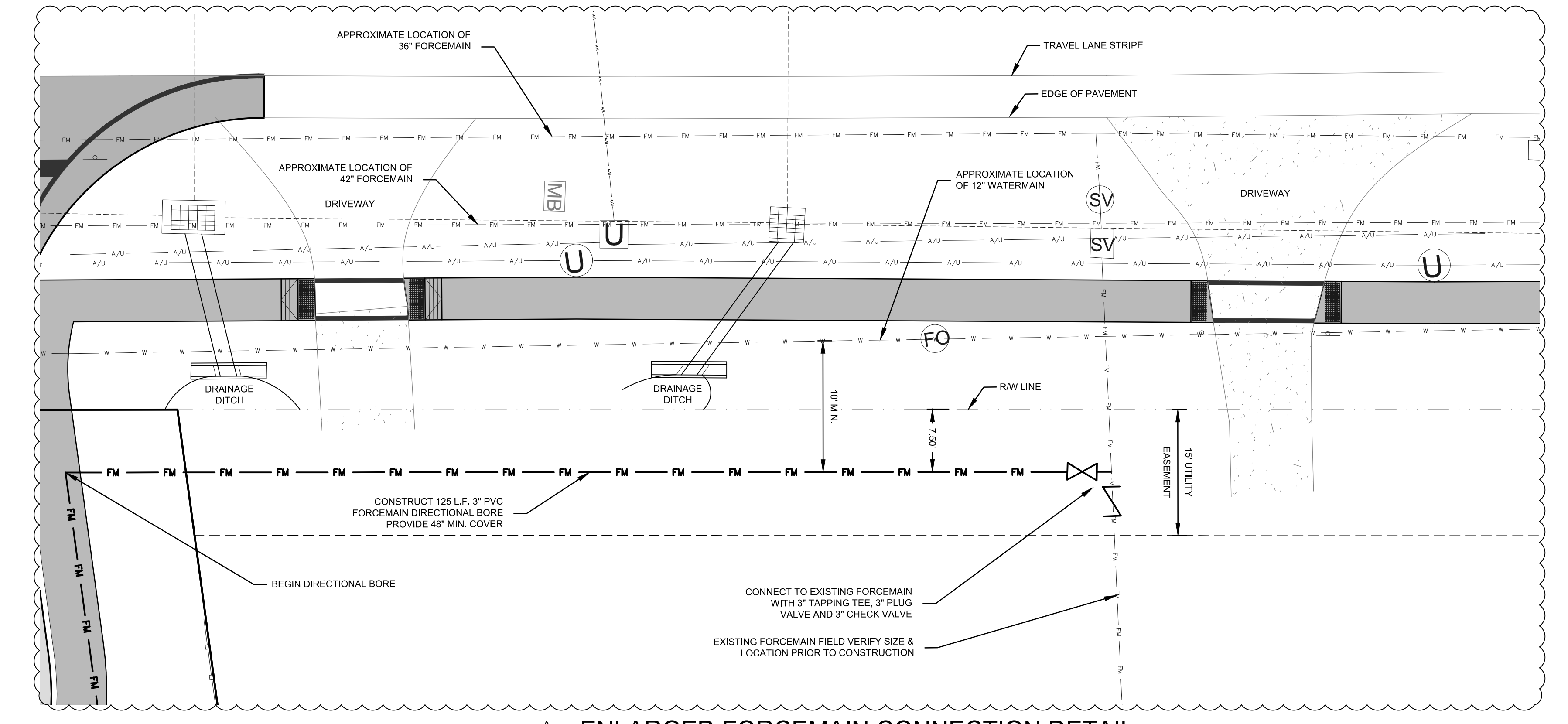
- FORCEMANS LESS THAN 18" MAY USE OVC C-900 OR C905 DR-18. FORCEMANS 18" AND LARGER SHALL BE DUCTILE IRON PIPE (dip), CLASS 350, EPOXY LINED. ALL NON DUCTILE IRON PIPE HORIZONTAL DIRECTIONAL DRILL FORCEMANS SHALL HAVE A MINIMUM WORKING PRESSURE OF 160 PSI. THE CITY MAY REQUIRE A HIGHER PRESSURE RATING DEPENDING ON SITE CONDITIONS. INSIDE DIAMETER OF NON DIP HORIZONTAL DIRECTIONAL DRILL PIPE SHALL MATCH THE INSIDE DIAMETER OF CONNECTION PIPES. DIRECTIONAL DRILLS SHALL HAVE FUSED MJ ADAPTERS.
- FORCEMAIN MINIMUM DEPTH OF COVER SHALL BE 48" ALL FORCEMANS SHALL BE DISTINCTLY MARKED BY GREEN STRIPES OR GREEN COLOR.
- ALL FITTINGS, VALVES, ETC. SHALL BE DUCTILE IRON (MJ OR FLANGED) AND RESTRAINED. ALL FORCEMANS SHALL USE THRUST RESTRAINT AS CALCULATED BY A PROGRAM AVAILABLE AT (EBAA.COM)
- ALL IN-LINE SANITARY SEWER FORCEMAIN VALVES SHALL BE PLUG VALVES UNLESS OTHERWISE NOTED. VALVES SHALL BE INSTALLED AT EACH END OF THE FORCEMAIN AND ON STUB OUTS.
- ALL C-900 PVC PIPE REQUIREMENTS REFERENCE THE C-900 STANDARDS. DR UPDATES FOR BURST PROTECTION MAY BE REQUIRED WHEN USING C-900 STANDARDS.
- INFORMATION ON UNDERGROUND LINES IN THIS AREA PROVIDED BY THE CITY OF DAYTONA BEACH. THE CITY OF DAYTONA BEACH DOES NOT WARRANT THE ACCURACY, COMPLETENESS, RELIABILITY AND/OR SUITABILITY OF THE INFORMATION. FIELD VERIFICATION IS REQUIRED.

UTILITY TEST NOTES:

WATER TEST: HYDROSTATIC AND LEAK TEST: POTABLE WATER MAINS SHALL BE FILLED AND HYDROSTATICALLY TESTED TO A PRESSURE OF 150 PSI. THE PRESSURE SHALL BE MAINTAINED FOR A 2 HOUR PERIOD. THE LEAKAGE RATE SHALL BE COMPUTED DURING THE TEST PERIOD AND SHALL NOT EXCEED 5 GAL/HR PER MILE OF PIPE AT THE GIVEN TEST PRESSURE. IN THE EVENT THE TEST FAILS, REPAIRS SHALL BE MADE AND THE SYSTEM SHALL BE RETESTED.

FORCEMAIN TEST: HYDROSTATIC AND LEAK TEST: SANITARY SEWER MAINS SHALL BE FILLED AND HYDROSTATICALLY TESTED TO A PRESSURE OF 100 PSI. THE PRESSURE SHALL BE MAINTAINED FOR A 2 HOUR PERIOD. THE LEAKAGE RATE SHALL BE COMPUTED DURING THE TEST PERIOD AND SHALL NOT EXCEED 1.5 GAL/HR PER MILE OF PIPE AT THE GIVEN TEST PRESSURE. IN THE EVENT THE TEST FAILS, REPAIRS SHALL BE MADE AND THE SYSTEM SHALL BE RETESTED.

GRAVITY SEWER TEST: GRAVITY SEWERS SHALL BE INSTALLED WITH MINIMAL HORIZONTAL DEVIATION. HORIZONTAL DEVIATION SHALL NOT EXCEED 4 INCHES PER LENGTH OF PIPE. DEFLECTION SHALL BE LIMITED TO A MAXIMUM OF 5% USE RIGID BALL OR MANDREL FOR DEFLECTION TEST WITH A DIAMETER OF NOT LESS THAN 95% OF THE TEST PIPE DIAMETER. BEDDING SHALL CONFORM TO ASTM CLASS III CRITERIA WITH SOIL COMPACTION AT A MINIMUM OF 85% IN ACCORDANCE WITH AASHTO T-99 TEST METHOD. THE GRAVITY SEWER MAINS SHALL BE TESTED FOR BOTH INFILTRATION AND EXFILTRATION. THE LEAKAGE RATE FOR EITHER TEST SHALL NOT EXCEED 50 GAL/INCH OF PIPE DIAMETER PER MILE OF PIPE PER DAY.



THE PERFORMANCE GROUP
CIVIL ENGINEERING / PLANNING / DEVELOPMENT

JOSEPH H. HOPKINS, P.E. NO. 48959
LICENSED BUSINESS CERTIFICATION NO. 7175
PHONE: (386) 255-1000 FAX: (386) 255-1001

OFFSITE PAVING, DRAINAGE & UTILITY PLAN

DME SPORTS, LLC

NOT RELEASED FOR CONSTRUCTION

P.E. LIC. 48959
BUS. CERT. LIC. 7175

SCALE: 1"=40'

DESIGNED: JHH

DRAWN: KMP

DATE: 1/8/19

PROJECT NO.
250

250-REV SITE PLAN 2019.2B

SHEET C6 OF 10