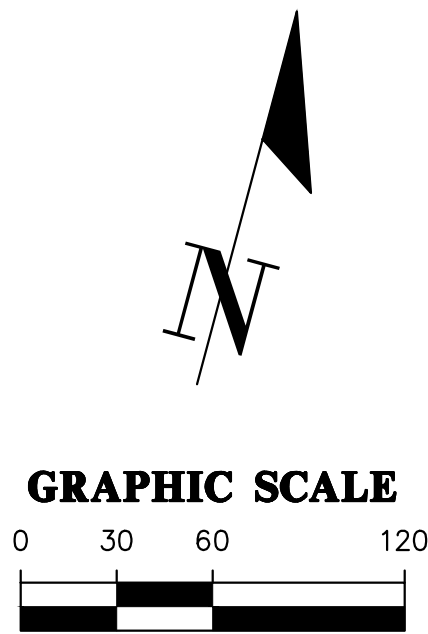
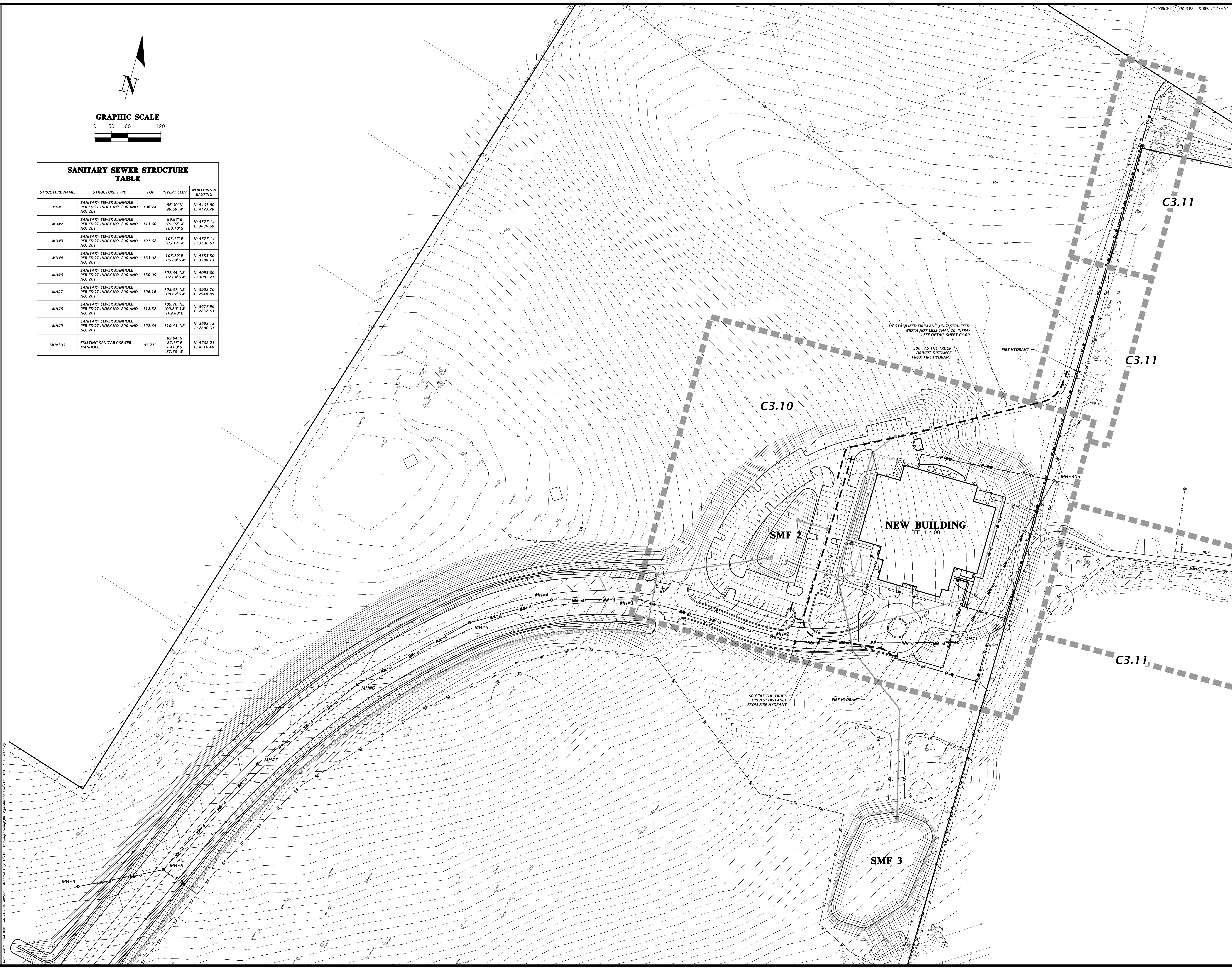


ANY MODIFICATIONS TO THESE PLANS OR REUSE OF THESE PLANS MUST BE APPROVED BY AND SIGNED BY THE ARCHITECT



SANITARY SEWER STRUCTURE TABLE				
STRUCTURE NAME:	STRUCTURE TYPE	TOP	INVERT ELEV.	NORTHING & EASTING
MH#1	SANITARY SEWER MANHOLE PER FDOT INDEX NO. 200 AND NO. 201	106.74'	96.50' N 96.60' W	N: 4451.90 E: 4123.28
MH#2	SANITARY SEWER MANHOLE PER FDOT INDEX NO. 200 AND NO. 201	113.60'	99.97' E 101.97' W 100.10' S	N: 4377.14 E: 3836.60
MH#3	SANITARY SEWER MANHOLE PER FDOT INDEX NO. 200 AND NO. 201	127.62'	103.17' E 105.17' W	N: 4377.14 E: 3336.61
MH#4	SANITARY SEWER MANHOLE PER FDOT INDEX NO. 200 AND NO. 201	133.02'	105.79' E 105.89' SW	N: 4335.30 E: 3386.13
MH#6	SANITARY SEWER MANHOLE PER FDOT INDEX NO. 200 AND NO. 201	130.09'	107.54' NE 107.64' SW	N: 4095.80 E: 3087.21
MH#7	SANITARY SEWER MANHOLE PER FDOT INDEX NO. 200 AND NO. 201	126.16'	108.57' NE 108.67' SW	N: 3908.70 E: 2948.89
MH#8	SANITARY SEWER MANHOLE PER FDOT INDEX NO. 200 AND NO. 201	118.32'	109.70' NE 109.80' SW 109.80' E	N: 3677.96 E: 2832.53
MH#9	SANITARY SEWER MANHOLE PER FDOT INDEX NO. 200 AND NO. 201	122.54'	89.04' N 87.15' E 89.00' S	N: 3608.13 E: 2690.31
MH#305	EXISTING SANITARY SEWER MANHOLE	95.71'	89.04' N 87.15' E 89.00' S 87.50' W	N: 4782.23 E: 4216.40



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KEM
101 NE 14th Avenue
Ocala, Florida 34703
(889) 414-4827 / 1889 351-2478
www.kcmw-inc.com

DATE:
FEBRUARY 23, 2016

PROPOSAL NO.:
15-040

CHW
Professional Consultants

P2B SUBMITTAL

MASTER UTILITY PLAN

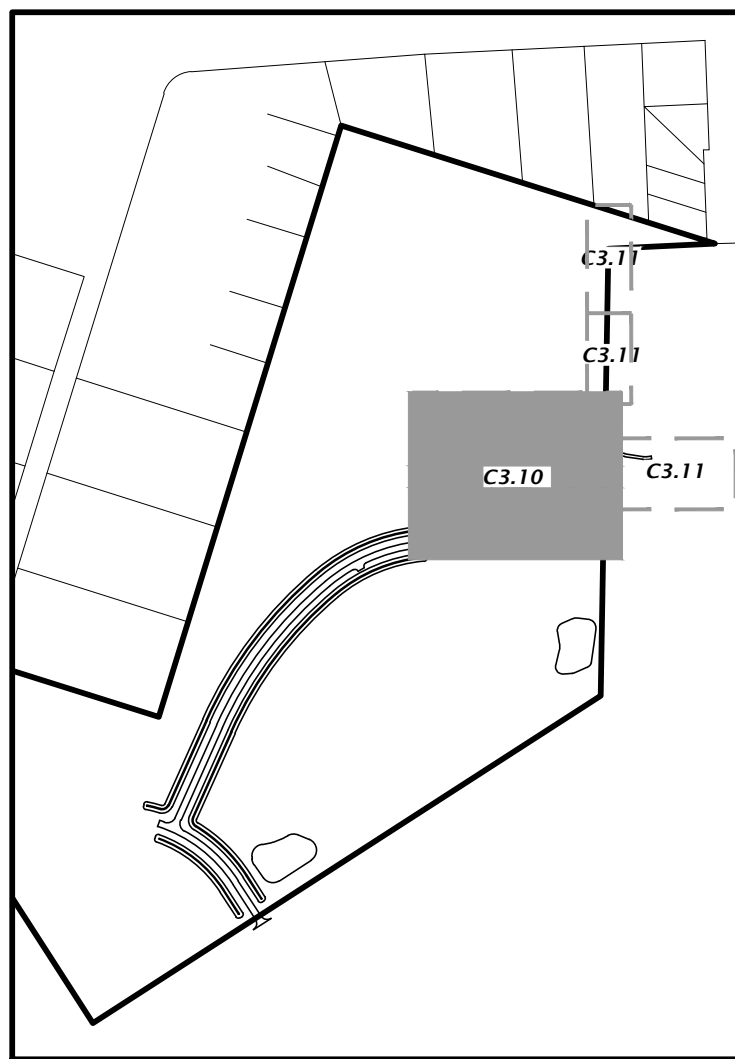
CITY OF ALACHUA
LEGACY PARK - PHASE 1
ALACHUA, FLORIDA

REVISIONS
ITEM: _____
DATE: _____
JAMES A. FLEGERT

FL PE No. 69147
SHEET NO.
C3.00

15-0451

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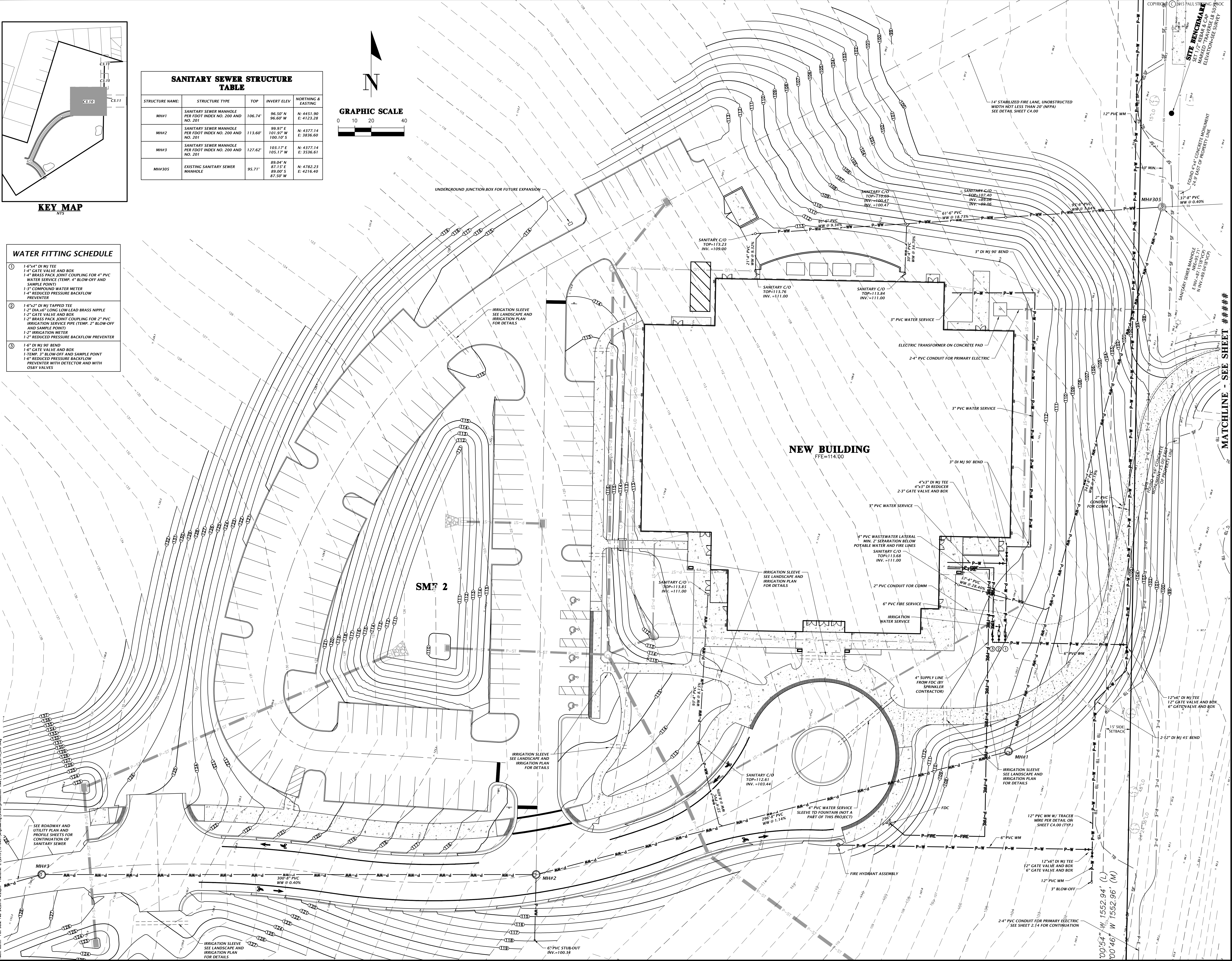
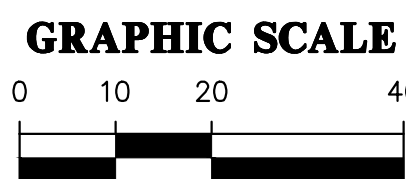


KEY MAP

WATER FITTING SCHEDULE

- 1-6"x4" DI MJ TEE
1-4" GATE VALVE AND BOX
1-4" BRASS PACK JOINT COUPLING FOR 4" PVC
WATER SERVICE (TEMP. 4" BLOW-OFF AND
SAMPLE POINT)
1-3" COMPOUND WATER METER
1-4" REDUCED PRESSURE BACKFLOW
PREVENTER
- 1-6"x2" DI MJ TAPPED TEE
1-2" DIA. 1/2" LONG LOW-LEAD BRASS NIPPLE
1-2" GATE VALVE AND BOX
1-2" BRASS PACK JOINT COUPLING FOR 2" PVC
IRRIGATION SERVICE PIPE (TEMP. 2" BLOW-OFF
AND SAMPLE POINT)
1-2" IRRIGATION METER
1-2" REDUCED PRESSURE BACKFLOW PREVENTER
- 1-6" DI MJ 90° BEND
1-6" GATE VALVE AND BOX
1-TEMP. 3" BLOW-OFF AND SAMPLE POINT
1-4" REDUCED PRESSURE BACKFLOW
PREVENTER WITH DETECTOR AND WITH
OS&Y VALVES

SANITARY SEWER STRUCTURE TABLE				
STRUCTURE NAME	STRUCTURE TYPE	TOP	INVERT ELEV.	NORTHING & EASTING
MH#1	SANITARY SEWER MANHOLE PER FDOT INDEX NO. 200 AND NO. 201	106.74'	96.50' N 96.60' W	N: 4331.90 E: 4123.28
MH#2	SANITARY SEWER MANHOLE PER FDOT INDEX NO. 200 AND NO. 201	113.60'	99.97' E 101.97' W 100.10' S	N: 4377.14 E: 3836.60
MH#3	SANITARY SEWER MANHOLE PER FDOT INDEX NO. 200 AND NO. 201	127.62'	103.17' E 105.17' W	N: 4377.14 E: 3536.61
MH#305	EXISTING SANITARY SEWER MANHOLE	95.71'	89.04' N 87.15' E 89.00' S 87.50' W	N: 4782.23 E: 4216.40



CHIX
Professional Consultants

P2B SUBMITTAL
UTILITY PLAN

CITY OF ALACHUA
LEGACY PARK - PHASE 1
ALACHUA, FLORIDA

REVISIONS
DATE: JAMES A. FLEIGHT

DATE: JAMES A. FLEIGHT

FLPE No. 69147
SHEET NO.
C3.10

15-0451

DRAWN BY:
MKA

DATE:
FEBRUARY 23, 2016

PROPOSAL NO.:
15-0451

101 NE 14th Avenue
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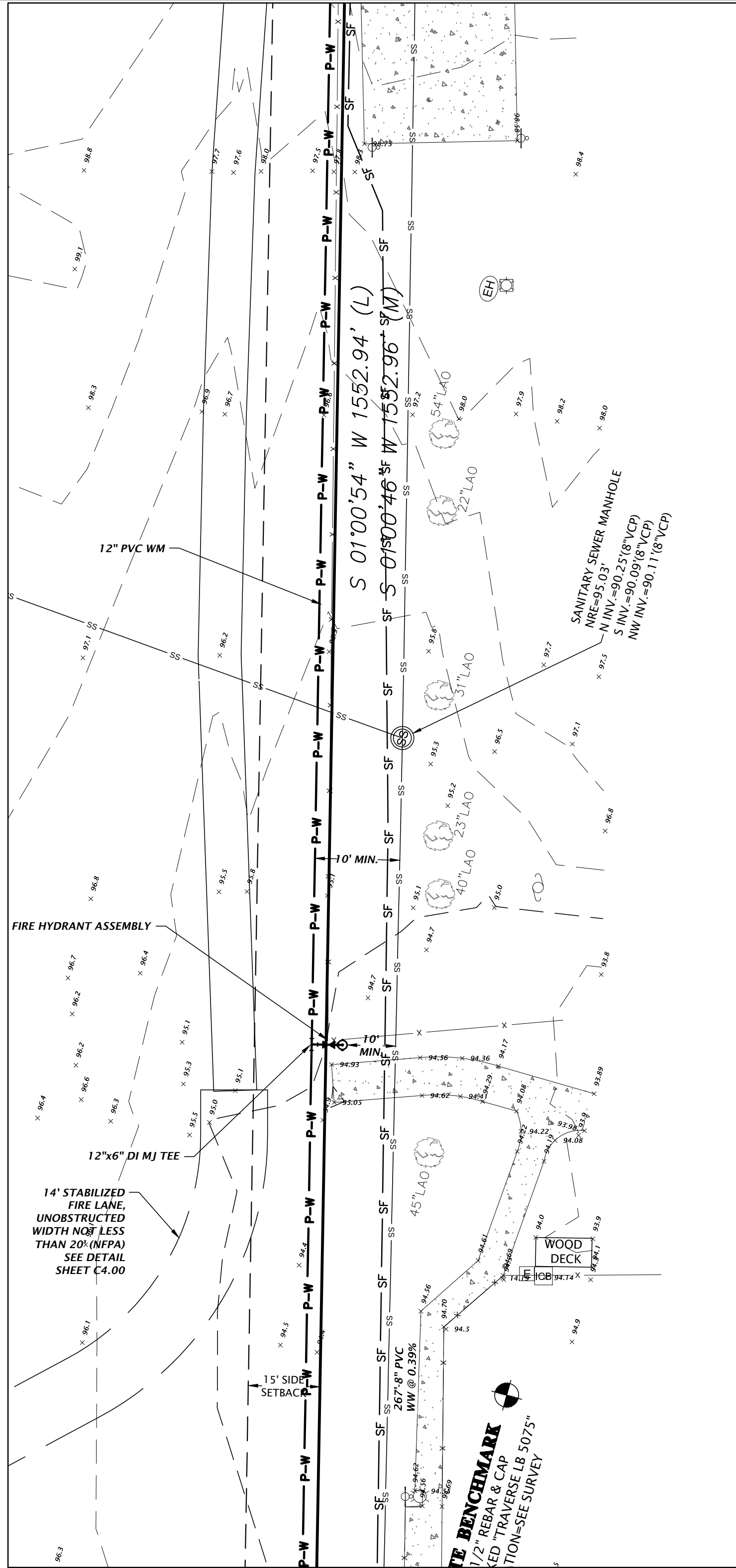
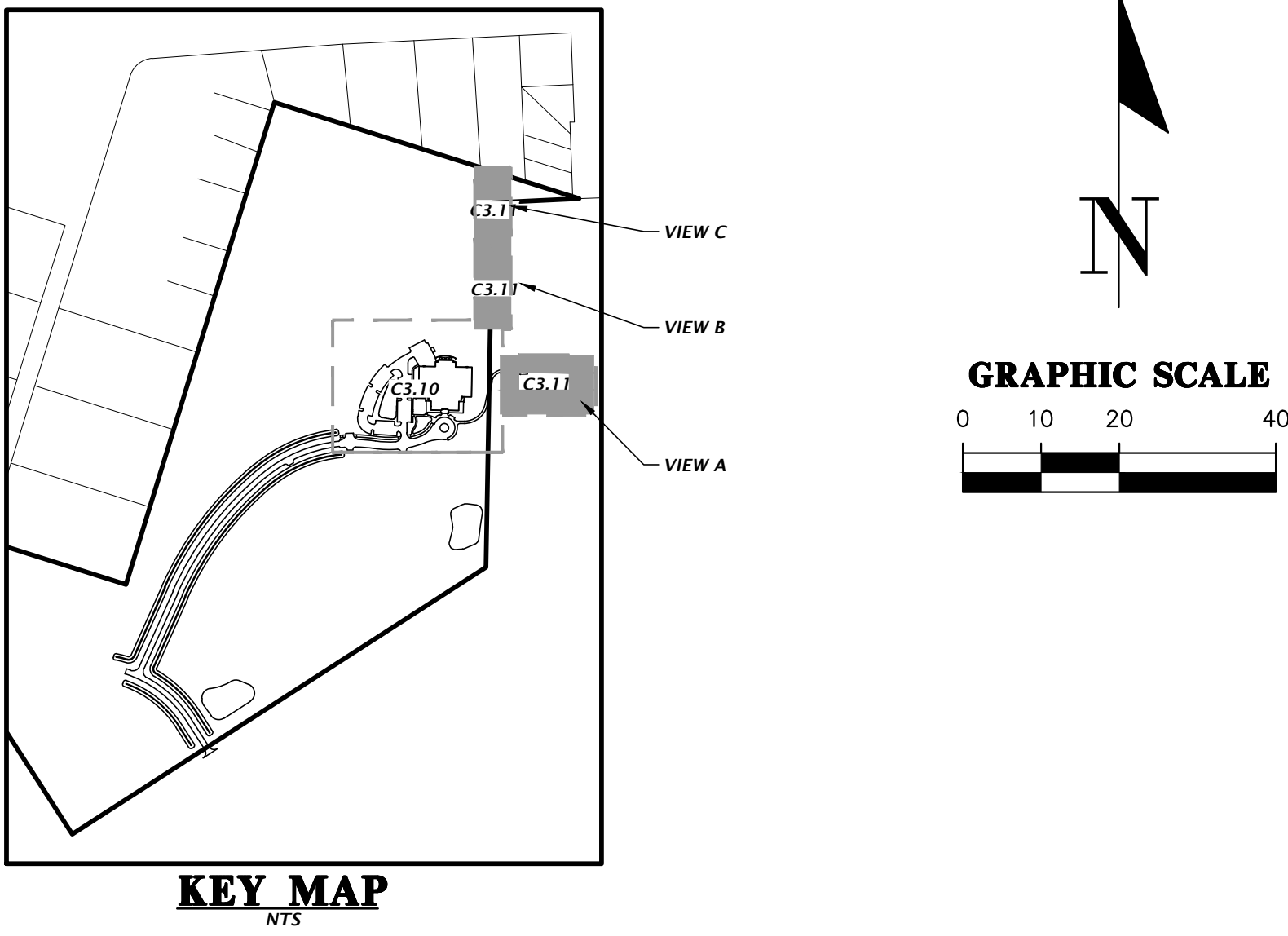
est. 1988 FLORIDA
CA-5975

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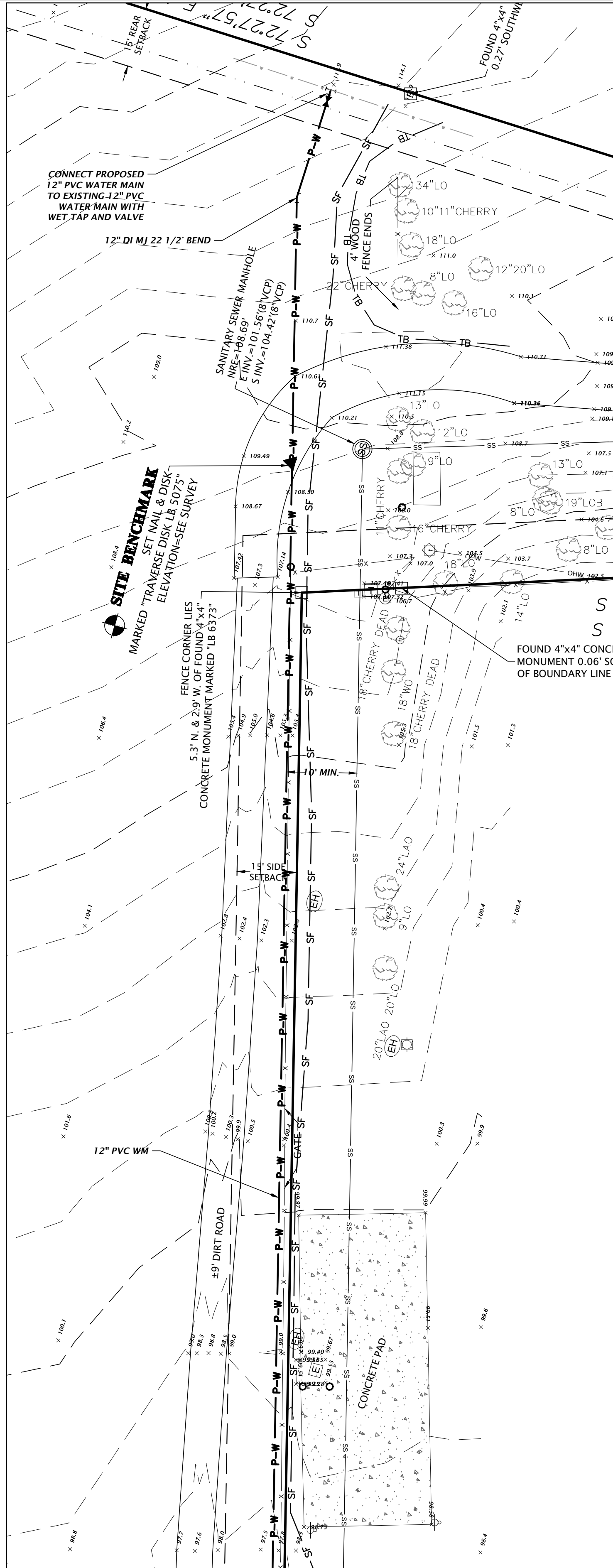
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VIEW A



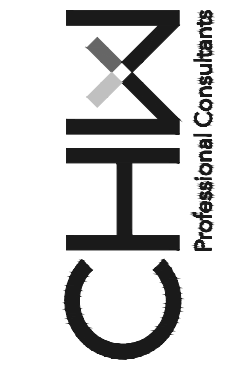
VIEW B



VIEW C

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CITY OF ALACHUA
LEGACY PARK - PHASE 1
ALACHUA, FLORIDA



P2B SUBMITTAL
UTILITY PLAN

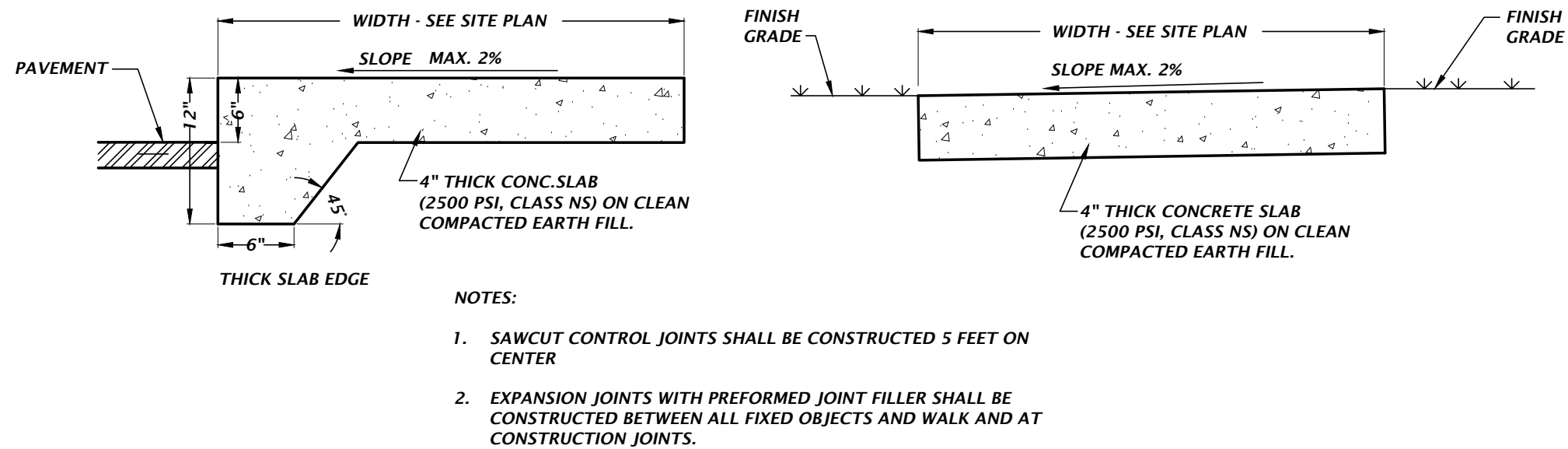
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PROPOSAL NO.: 15-0401
FLORIDA CA-5075

REVISIONS
DATE: JAMES A. FLEGGERT

FL PE No. 00147
SHEET NO.
C3.11

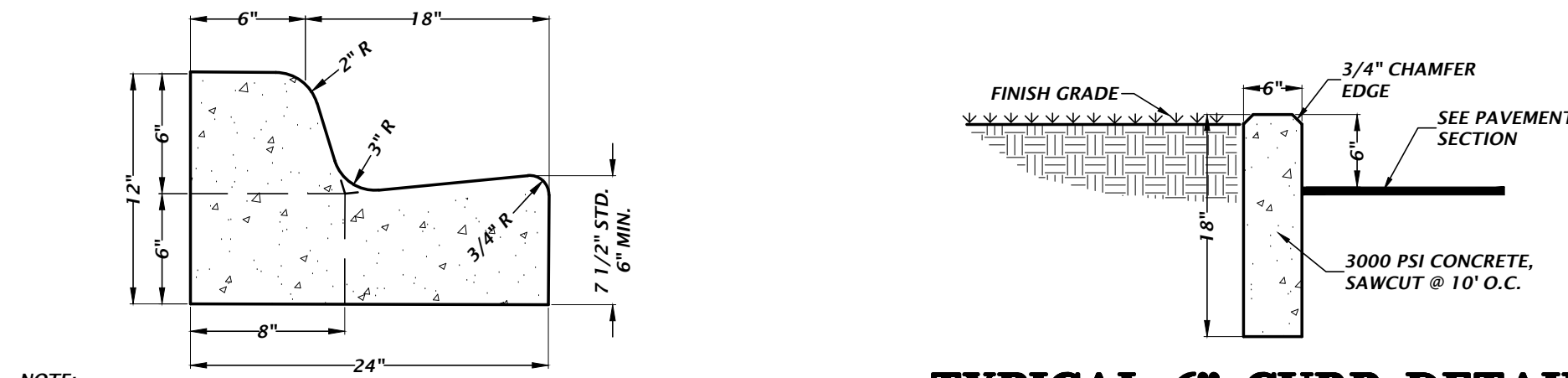
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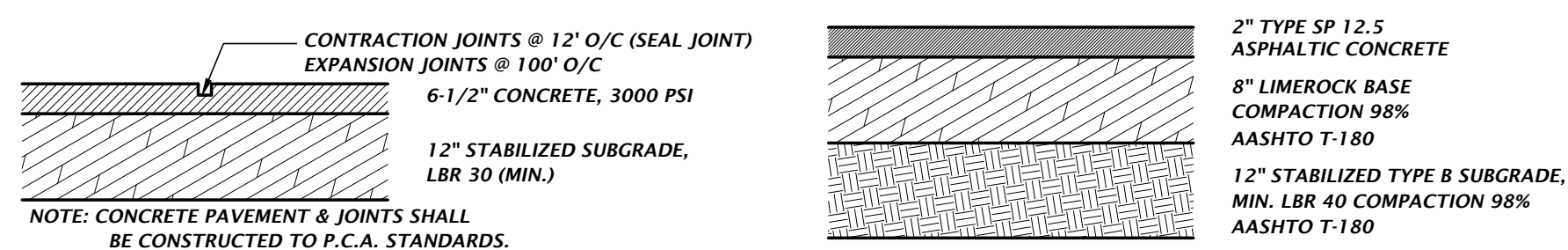
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CONCRETE SIDEWALK DETAILS



TYPICAL 6" CURB DETAIL

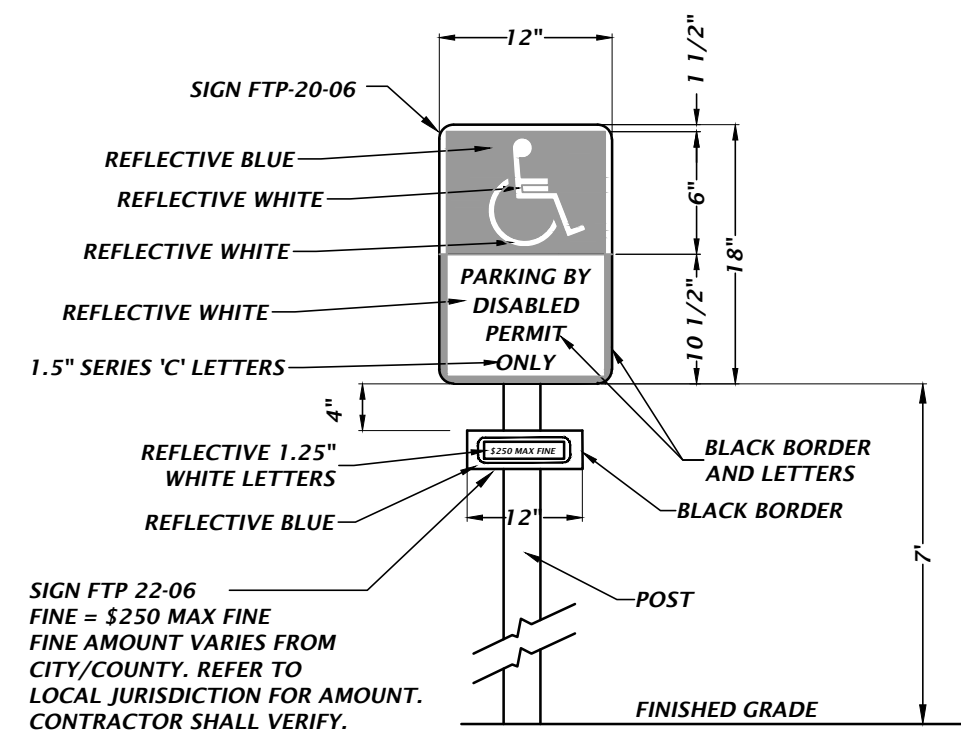
TYPE 'F' CONCRETE CURB AND GUTTER DETAIL



CONCRETE PAVEMENT DETAIL

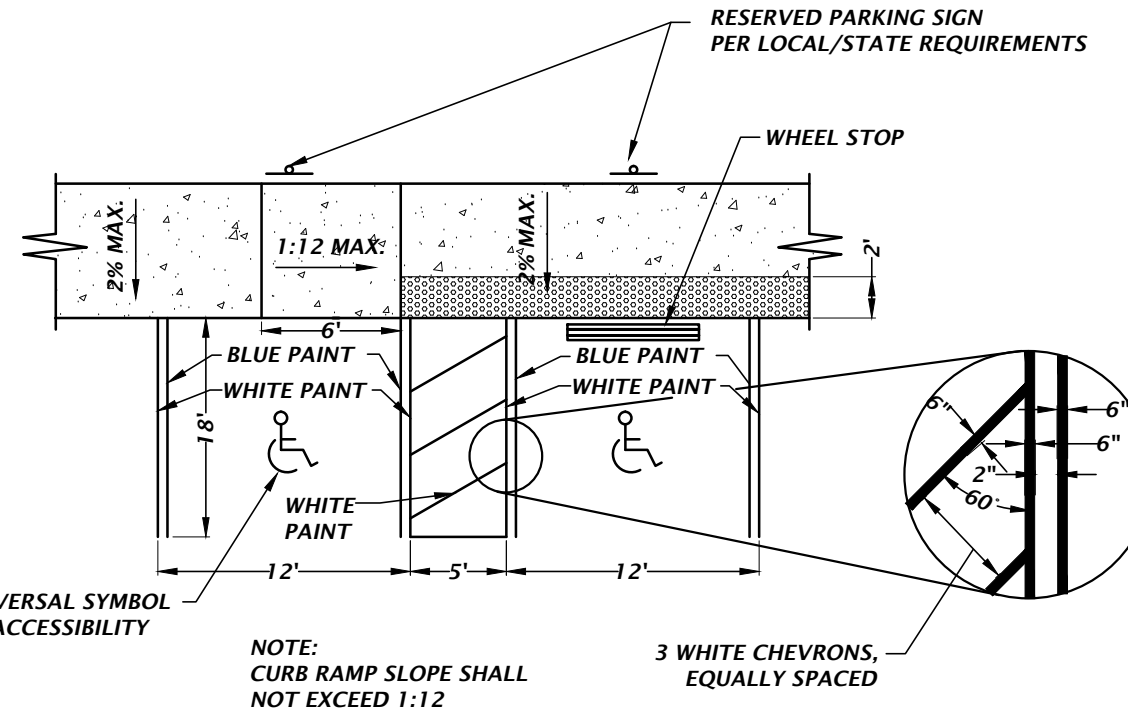
ASPHALT PAVEMENT DETAIL

PAVEMENT OPTIONS

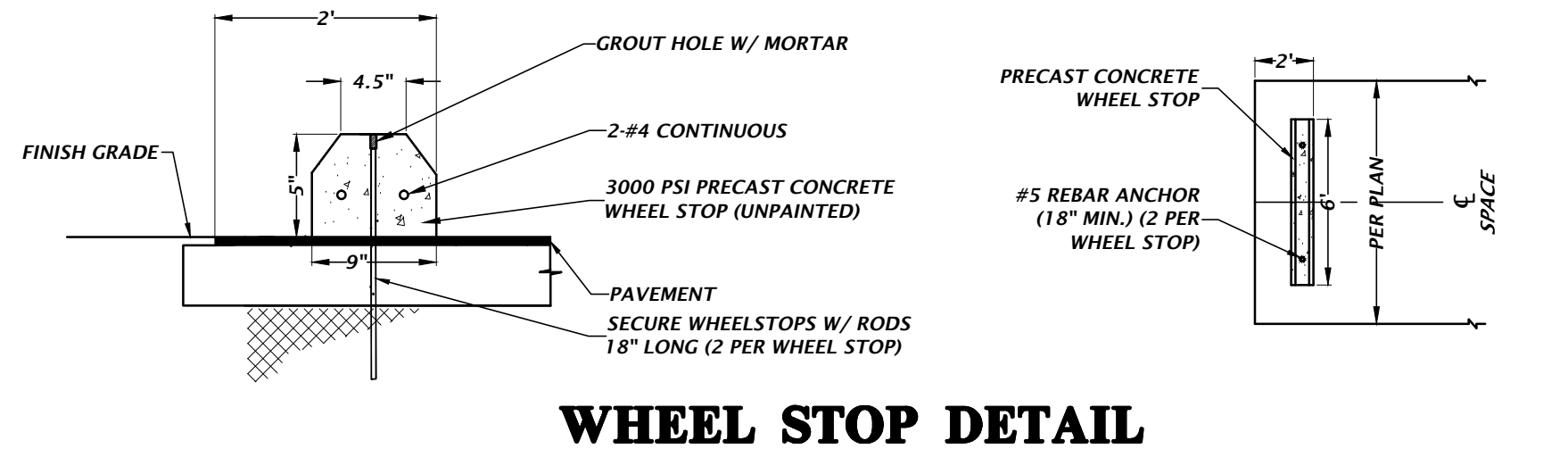


SIGN NOTES:
1. SIGN CONSTRUCTION, DESIGN AND PLACEMENT SHALL COMPLY WITH STATE AND LOCAL STATUTES.

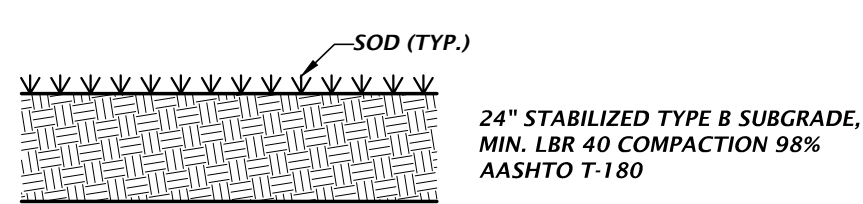
H.C. PARKING SIGN DETAIL



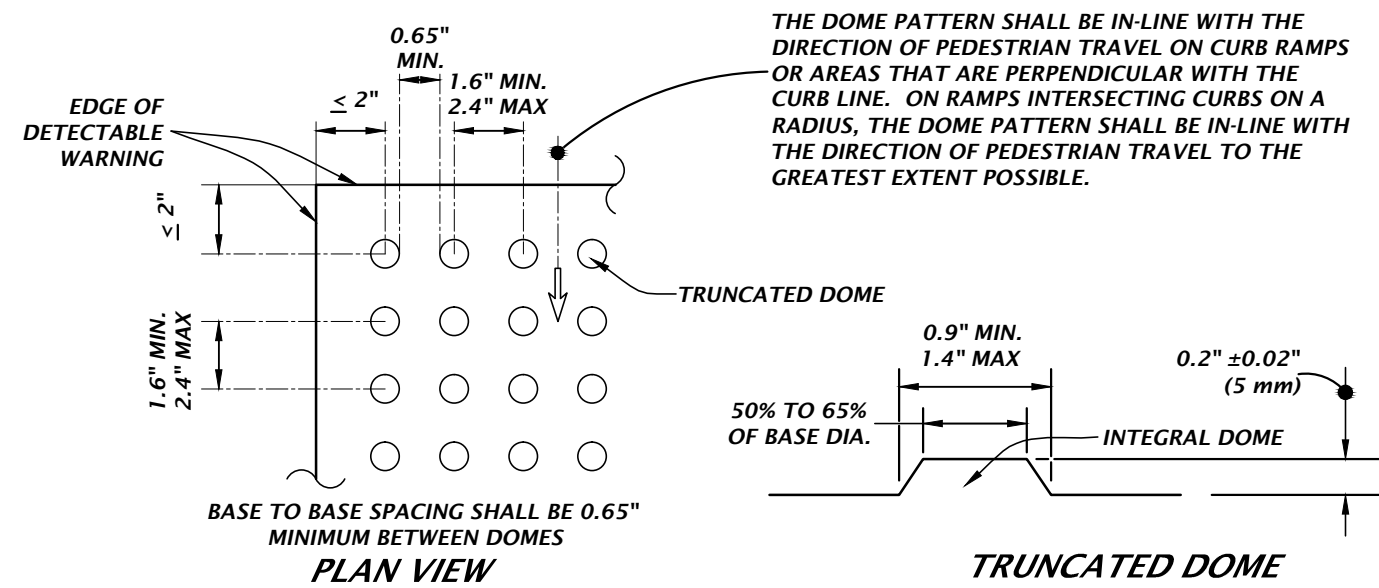
HANDICAP PARKING & RAMP DETAIL



WHEEL STOP DETAIL

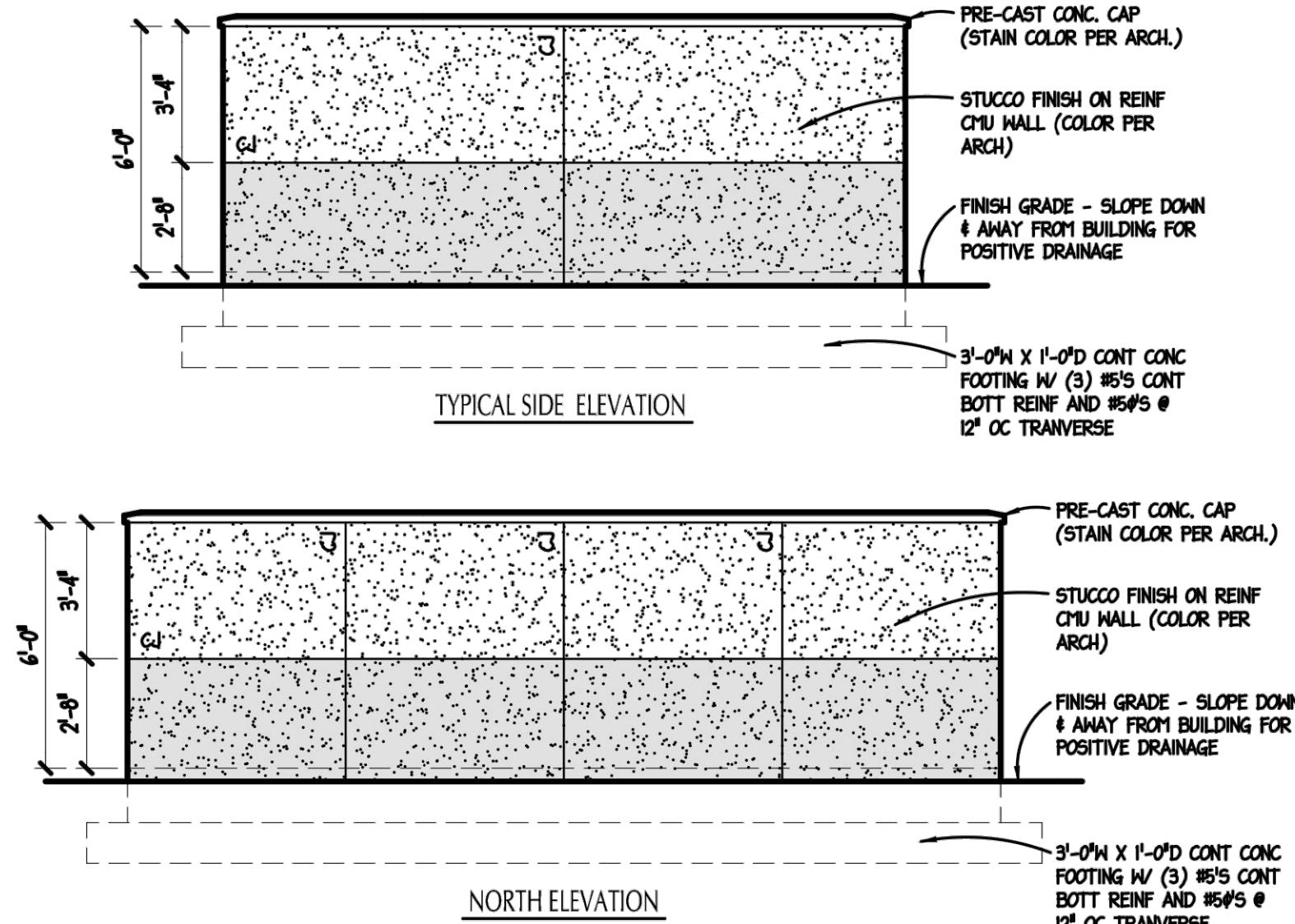


STABILIZED GRASSED FIRE LANE DETAIL

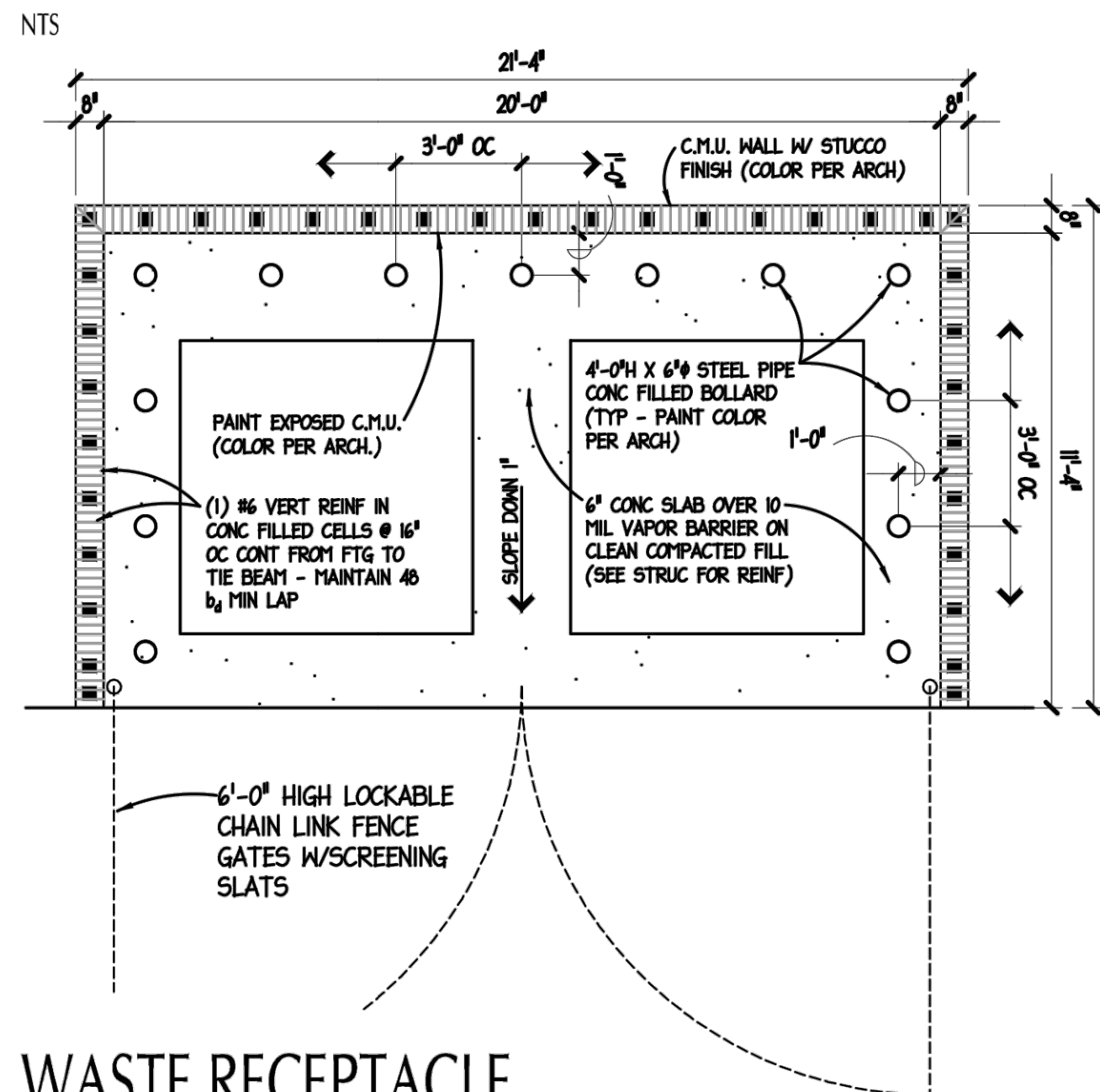


DETECTABLE WARNING DETAIL

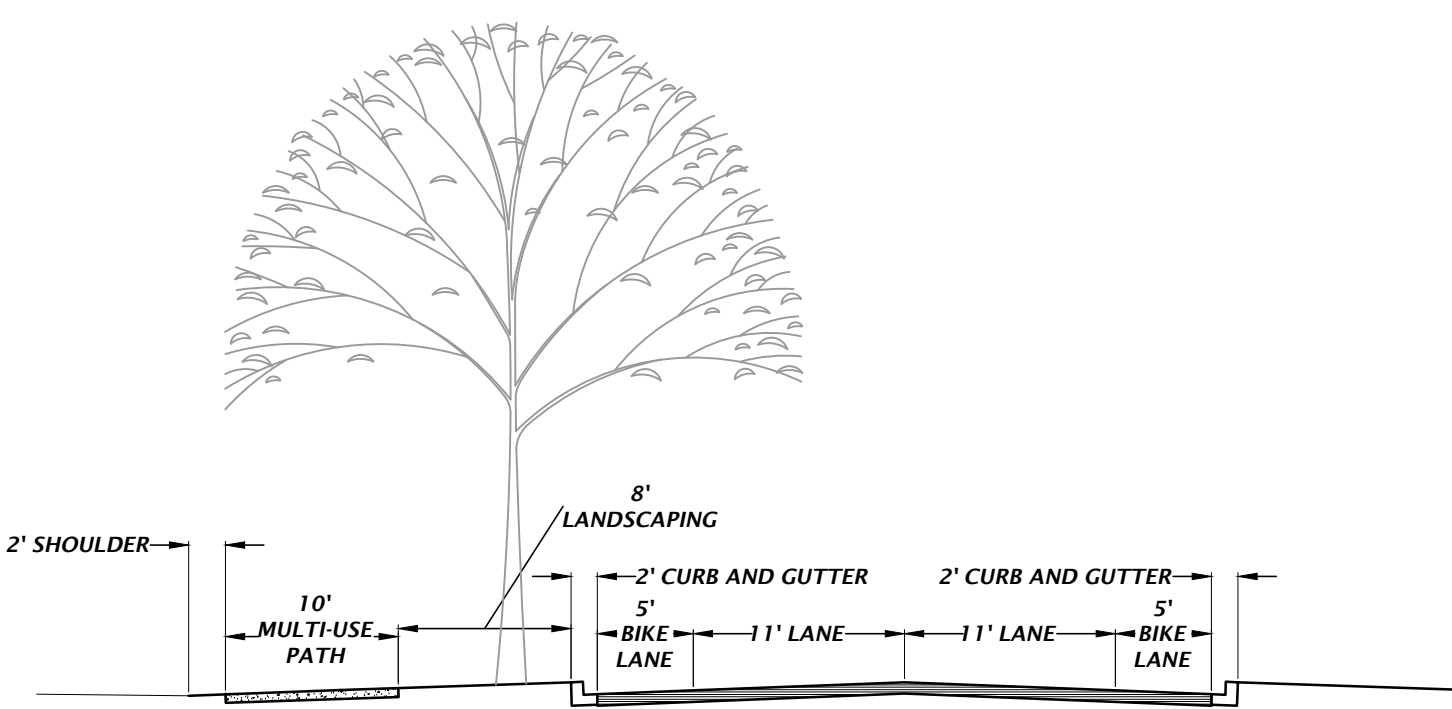
1. PROVIDE DETECTABLE WARNINGS IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG) SECTION 705-DETECTABLE WARNINGS ON WALKING SURFACES AND THE 2014 FLORIDA BUILDING CODE, ACCESSIBILITY, CHAPTER 7, SECTION 705.
2. RAISED TRUNCATED DOMES SHALL HAVE A BASE DIAMETER FROM 0.9" MIN TO 1.4" MAX, A TOP DIAMETER FROM 50% TO 65% OF BASE DIAMETER, A HEIGHT OF 0.2 INCH (5 mm) NOMINAL, CENTER-TO-CENTER SPACING FROM 1.8" MIN TO 2.4" MAX, AND BASE TO BASE SPACING OF 0.65" MINIMUM, MEASURED BETWEEN THE MOST ADJACENT DOMES ON A SQUARE GRID.
3. SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.
4. ALL SIDEWALK CURB RAMP SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24 INCHES.
5. IF MATS ARE TO BE UTILIZED:
A- DETECTABLE WARNING SURFACE SHALL CONSIST OF 3-FT WIDE, SURFACE APPLIED, POLYURETHANE MAT WITH IN-LINE TRUNCATED DOME PATTERN.
B- DETECTABLE WARNING SURFACE SHALL BE SECURED BY ADHESIVE AND STAINLESS STEEL ANCHORS.
C- ACCEPTABLE PRODUCTS ARE THE SURFACE APPLIED REDIMAT MANUFACTURED BY DETECTABLE WARNING SYSTEMS, INC. OR EQUAL LISTED ON THE FOOT QUALIFIED PRODUCTS LIST IN ACCORDANCE WITH SECTION 527.2.4 OF THE FOOT STANDARD SPECIFICATIONS.
D- PRIOR TO INSTALLING DETECTABLE WARNING MAT, SCRUB THE SURFACE WITH A WIRE BRISTLE BRUSH, THE EXISTING CONCRETE SURFACE SHALL BE CLEANED OF ANY LOOSE MATERIAL, DUST, OILS, GREASE, AND SEALERS.
E- ALL INSTALLATIONS SHALL BE MADE IN ACCORDANCE WITH THE DETECTABLE WARNING MAT MANUFACTURER'S SPECIFICATIONS.
6. IF INTERLOCKING PAVERS ARE TO BE UTILIZED:
A- DETECTABLE WARNING SURFACE FOR THE RAMP SHALL CONSIST OF INTERLOCKING 4" X 8" ADA DETECTABLE WARNING SURFACE PAVERS HAVING A MINIMUM DEPTH OF 2". CONCRETE PAVERS ARE TO MEET ASTM C902 CLASS 5X TYPE I, AND BRICK PAVERS ARE TO MEET ASTM C55, GRADE N, SOLID BRICK COLOR TO MEET ADA CONTRAST REQUIREMENTS.
B- ALL UNITS SHALL BE SOUND AND FREE OF DEFECTS THAT WOULD INTERFERE WITH THE APPEARANCE OF PROPER PLACEMENT OF THE UNIT OR IMPAIR THE STRENGTH OR LONGEVITY OF THE FINAL STRUCTURE. ANY UNITS THAT ARE STRUCTURALLY DAMAGED DURING THE WORK SHALL BE IMMEDIATELY REMOVED AND REPLACED. THE PAVERS ARE TO BE LAID IN A TWO BY TWO BASKETWEAVE PATTERN, FLUSH WITH THE FINISH GRADE OF THE RAMP SURFACE, AND HAVE GAPS BETWEEN 1/16 AND 1/8 INCH. CUT PAVERS (MASONRY SAW ONLY) SHALL BE NO SMALLER THAN ONE-THIRD OF A WHOLE PAVE.
C- MODIFY FORMWORK OR PROVIDE FORMED GROUT INFILL BEHIND CURVED DROP CURB SECTIONS TO ENSURE STRAIGHT EDGE RESTRAINT FOR PAVERS.
D- CONCRETE EDGE RESTRAINT FOR WARNING AREA, MAXIMUM GAP OF 1/8" BETWEEN PAVERS AND EDGE, USE 1/2" RADIUS ALONG CONCRETE EDGES.
E- WHEN PAVERS ABUT EITHER EARTH/DIRT OR PAVEMENT, A SIX INCH CONCRETE BAND SHALL BE INSTALLED. BAND SHALL BE WITHIN LIMITS OF THE WIDTH OF PROPOSED CONCRETE AND NOT EXTENDED AN ADDITIONAL SIX INCHES..
7. OTHER METHODS/MATERIALS MAY BE USED FOR THE DETECTABLE WARNING STRIP, BUT THEY MUST MEET THE ABOVE CRITERIA.
8. ALL MATERIALS/METHODS TO BE UTILIZED SHALL BE SUBMITTED FOR APPROVAL TO THE ENGINEER PRIOR TO ORDERING THE MATERIALS/METHODS. FAILURE TO OBTAIN APPROVAL BEFORE ORDERING OR INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE. ENGINEER'S APPROVAL DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR THE PERFORMANCE OF THE ITEM.
9. IF FOOT CURB RAMP ARE SPECIFIED, REFER TO THE FOOT INDEX NO. 304 FOR SPECIFICATIONS CONCERNING THE APPLICABLE DETECTABLE WARNING STRIP TO BE USED WITH FOOT SPECIFIED RAMP.



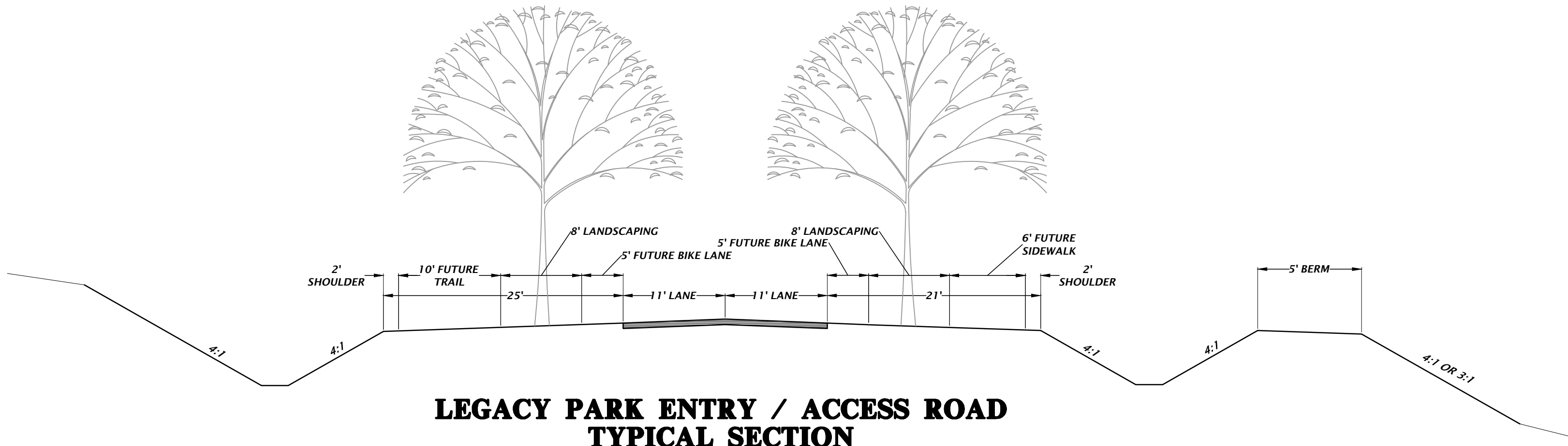
WASTE RECEPTACLE SCREEN WALL ELEVATIONS



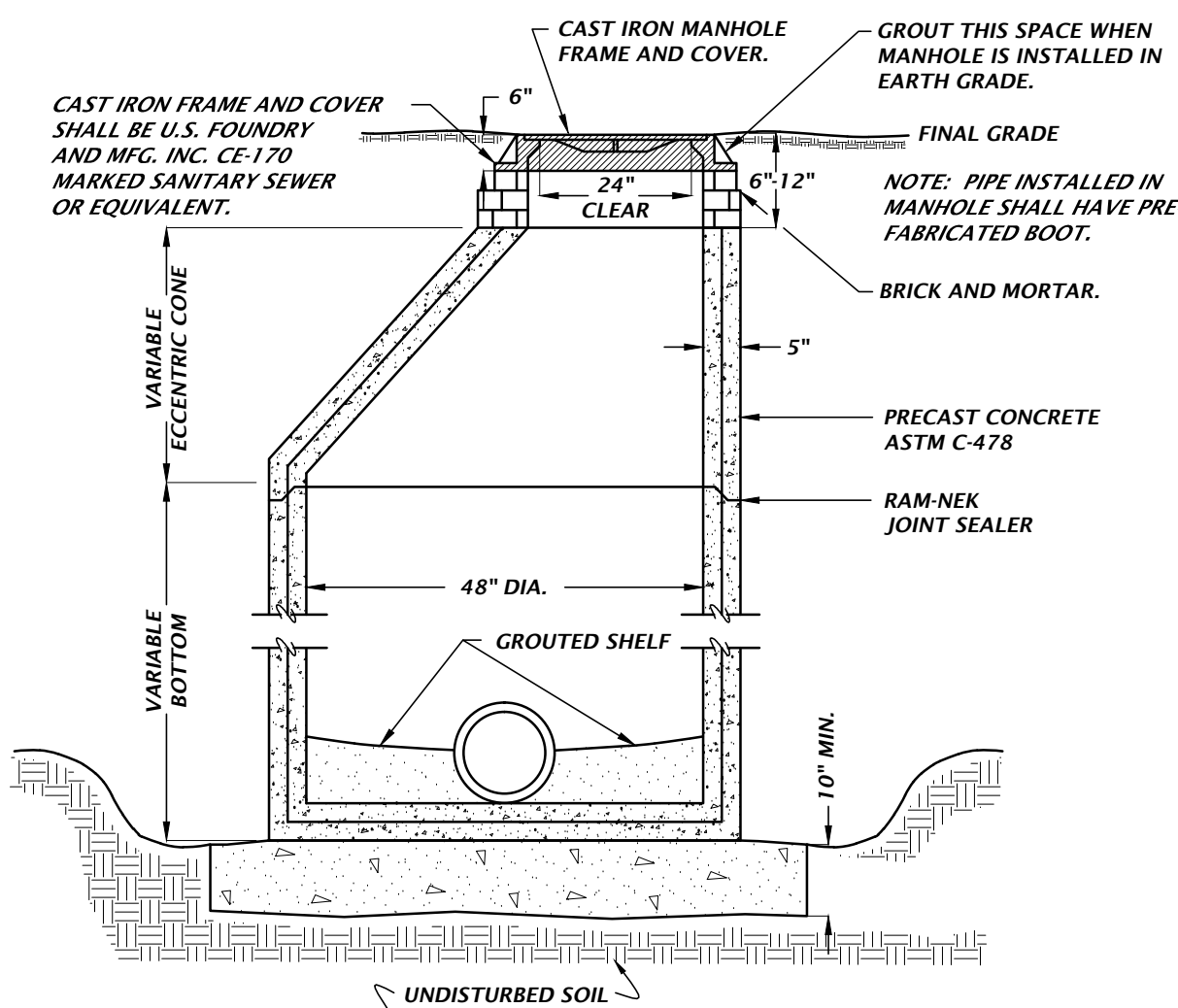
WASTE RECEPTACLE SCREEN WALL PLAN DETAIL



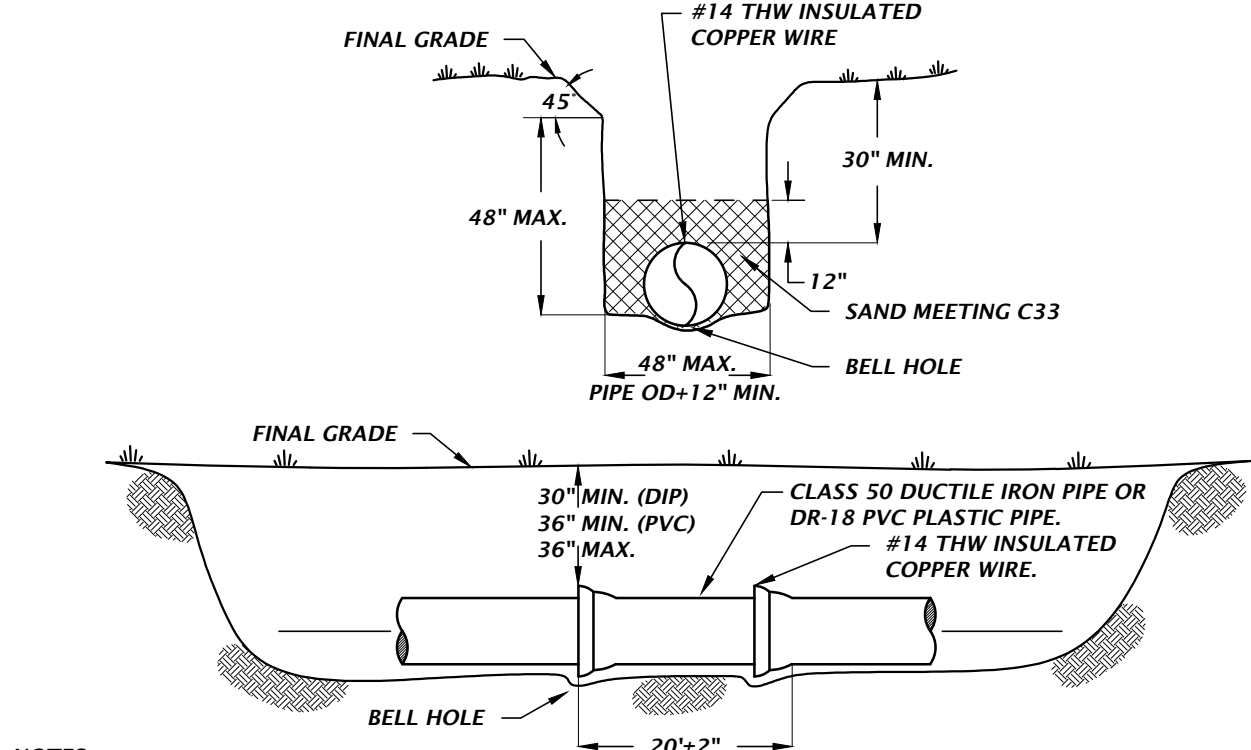
LEGACY PARK ENTRY / ACCESS ROAD TYPICAL SECTION STA 34+18 TO STA 38+87



LEGACY PARK ENTRY / ACCESS ROAD TYPICAL SECTION STA 10+00 TO STA 29+72 STA 20+00 TO STA 34+18



STANDARD MANHOLE CONSTRUCTION

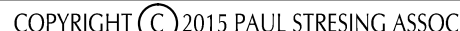


- NOTES:
1. PVC PLASTIC PIPE SHALL REQUIRE AN INSULATED COPPER WIRE TAPED EVERY TEN FEET ON TOP OF THE PIPE AND WRAPPED AROUND EACH FIRE HYDRANT AT FINAL GRADE. THE WIRE SHALL BE CONTINUOUS AND ALL CONNECTIONS TAPED.
2. DEPTH OF PIPE MAY BE FIELD ADJUSTED TO MEET SPECIAL CONDITIONS AS DETERMINED BY THE ENGINEER-OF-RECORD.
3. WATER MAIN SHALL NOT BE INSTALLED WITHIN 10 FEET OF ANY BUILDING OR SANITARY SEWER MAIN.
4. ALL PIPE AND FITTINGS SHALL BE RESTRAINED JOINT.

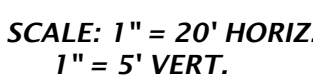
WATER MAINS, INSTALLATION

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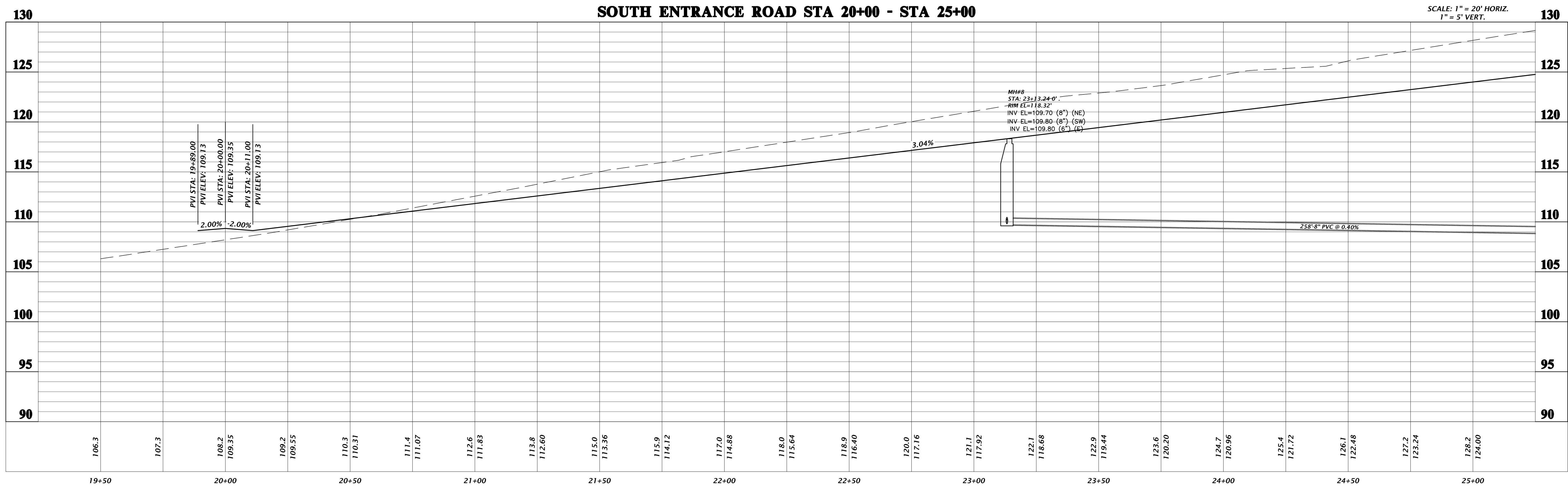
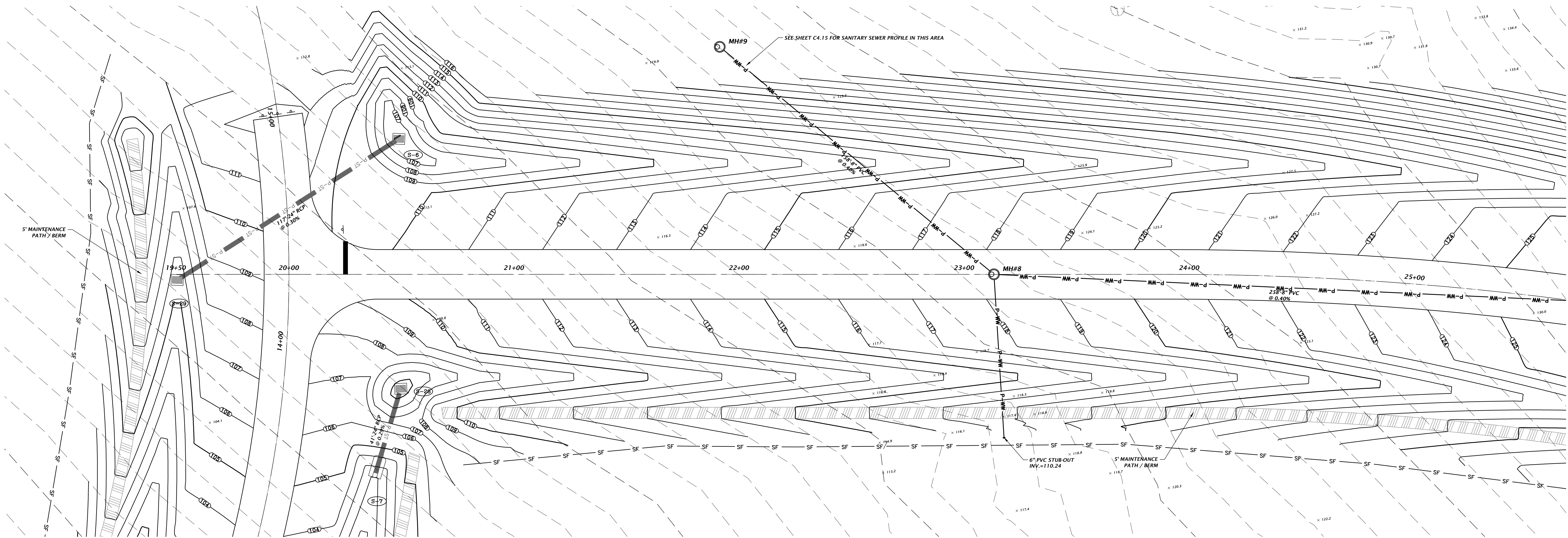
STORMWATER STRUCTURE TABLE					
STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV	Pipe DIA.	NORTHING & EASTING
S-1	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	96.00'	87.52' NE	24"	E: 3230.64 N: 3440.37
S-2	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	96.00'	87.24' SW	30"	E: 3292.20 N: 2912.69
S-3	30' MITERED END SECTION PER FDOT INDEX NO. 272	N/A	87.00' NW	30"	E: 3253.57 N: 2981.96
S-4	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	106.04'	102.45' S	24"	E: 3461.25 N: 2958.45
S-5	24' MITERED END SECTION PER FDOT INDEX NO. 272	N/A	102.00' NW	24"	E: 3389.88 N: 2802.17
S-6	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	105.37'	102.12' SE	24"	E: 3416.68 N: 2771.04
S-7	18' MITERED END SECTION PER FDOT INDEX NO. 272	N/A	86.20' NE	18"	E: 3053.88 N: 2905.45
S-8	TYPE C DITCH BOTTOM INLET PER FDOT INDEX NO. 232	88.65'	86.47' SW	18"	E: 3103.35 N: 3045.18
S-9	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	105.50'	102.60' N	24"	E: 3345.78 N: 2936.14
S-10	OUTFALL STRUCTURE SEE SHEET C2.30	95.50'	87.30' S	18"	E: 3191.01 N: 3032.24



SCALE: 1" = 20' HORIZ.
1" = 5' VERT.



STORMWATER STRUCTURE TABLE					
STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-6	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	106.04'	102.45' S	24"	N: 3461.25 E: 2669.45
S-7	24" MITERED END SECTION PER FDOT INDEX NO. 232	N/A	102.00' NW	24"	N: 3389.88 E: 2802.17
S-26	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	105.37'	102.12' SE	24"	N: 3416.68 E: 2771.04
S-29	TYPE D DITCH BOTTOM INLET PER FDOT INDEX NO. 232	105.50'	102.10' N	24"	N: 3345.78 E: 2686.34



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Drawn: J. Smith, Rev: 02/25/2016, Date: 02/25/2016, File: 24-2015-0200.dwg, Plot: 24-2015-0200.dwg, Plot Date: 02/25/2016, Plot Time: 10:00:00, Plot User: J. Smith, Plot Device: HP DesignJet T1100, Plot Path: C:\Users\j.smith\OneDrive\Documents\24-2015-0200.dwg

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DRAWN BY: J. Smith
DATE: 02/25/2016
PROJECT NO.: 24-2015-0200
PROPOSAL NO.: 15-440

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P2B SUBMITTAL
ROADWAY AND UTILITY PLAN AND
PROFILE

CITY OF ALACHUA
LEGACY PARK - PHASE 1
ALACHUA, FLORIDA

REVISIONS
ITEM:

DATE:

JAMES A. FLEGERT

FL PE No. 69147

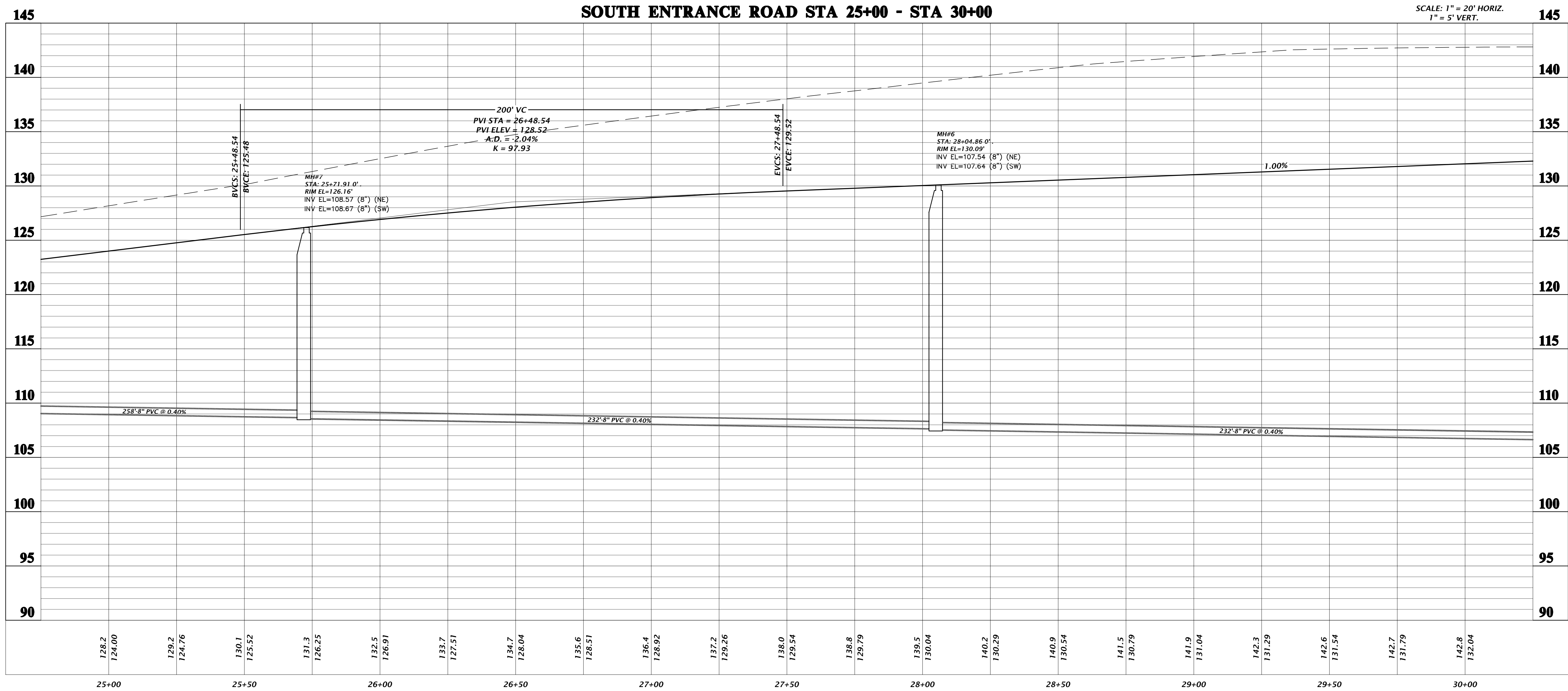
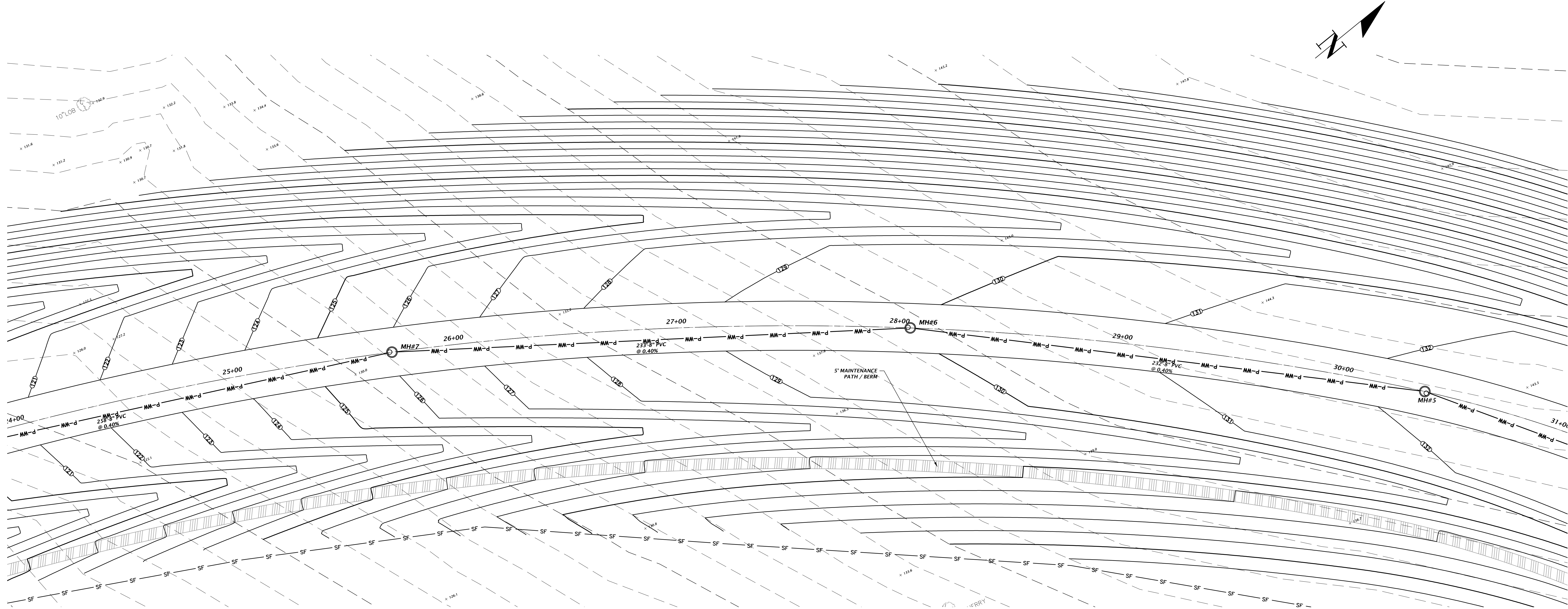
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C4.11

15-0451

ANY MODIFICATIONS TO THESE PLANS OR REUSE OF THESE PLANS MUST BE APPROVED BY AND SIGNED BY THE ARCHITECT

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DRAWN BY: JAF
DATE: FEBRUARY 23, 2016
PROJECT NO.: 15-0401
SHEET NO.: C4.12

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PZB SUBMITTAL
ROADWAY AND UTILITY PLAN AND
PROFILE

CITY OF ALACHUA
LEGACY PARK - PHASE 1
ALACHUA, FLORIDA

REVISIONS
DATE: _____
BY: _____
JAMES A. FLEGERT

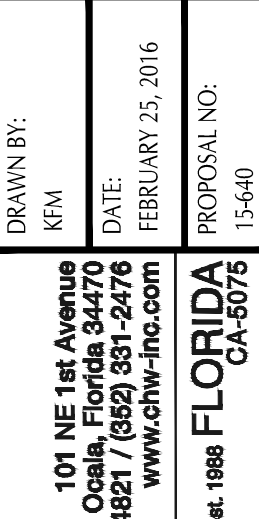
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C4.12

15-0401

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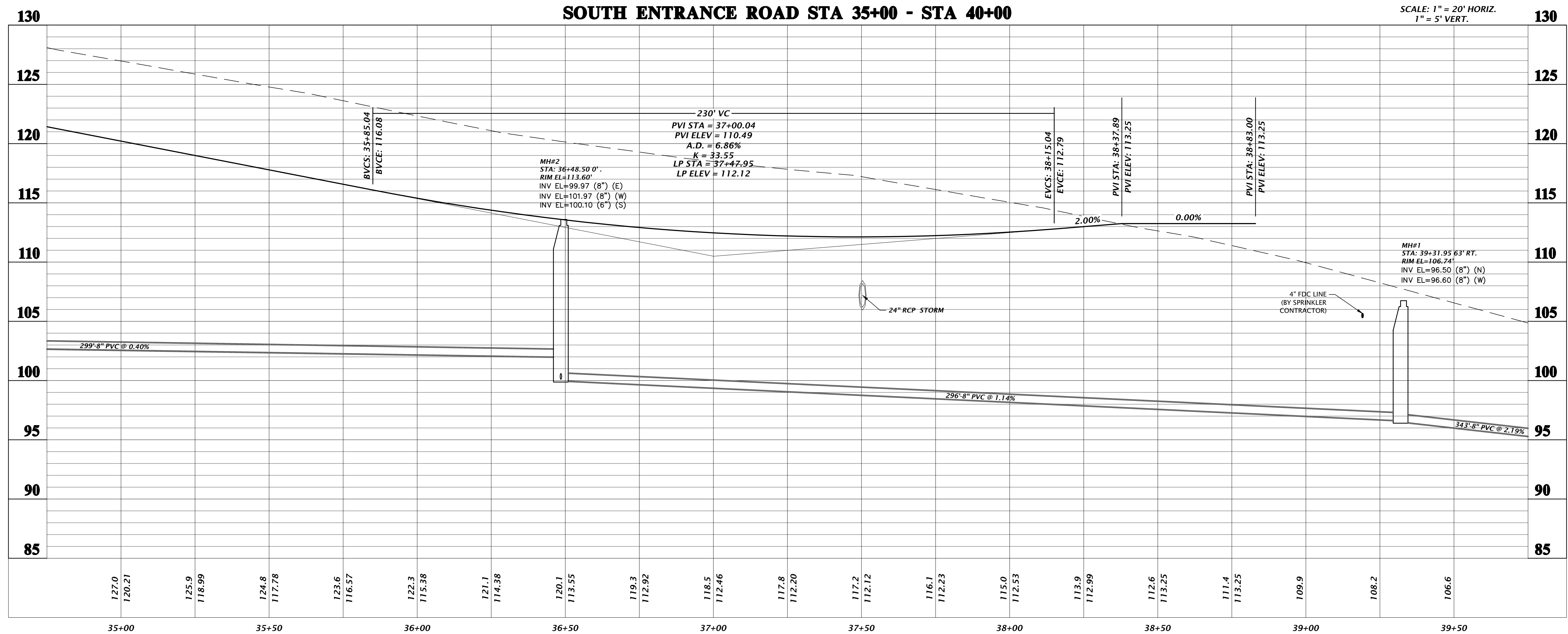
PZB SUBMITTAL

ROADWAY AND UTILITY PLAN AND
PROFILE

JAMES A. FLEGERT

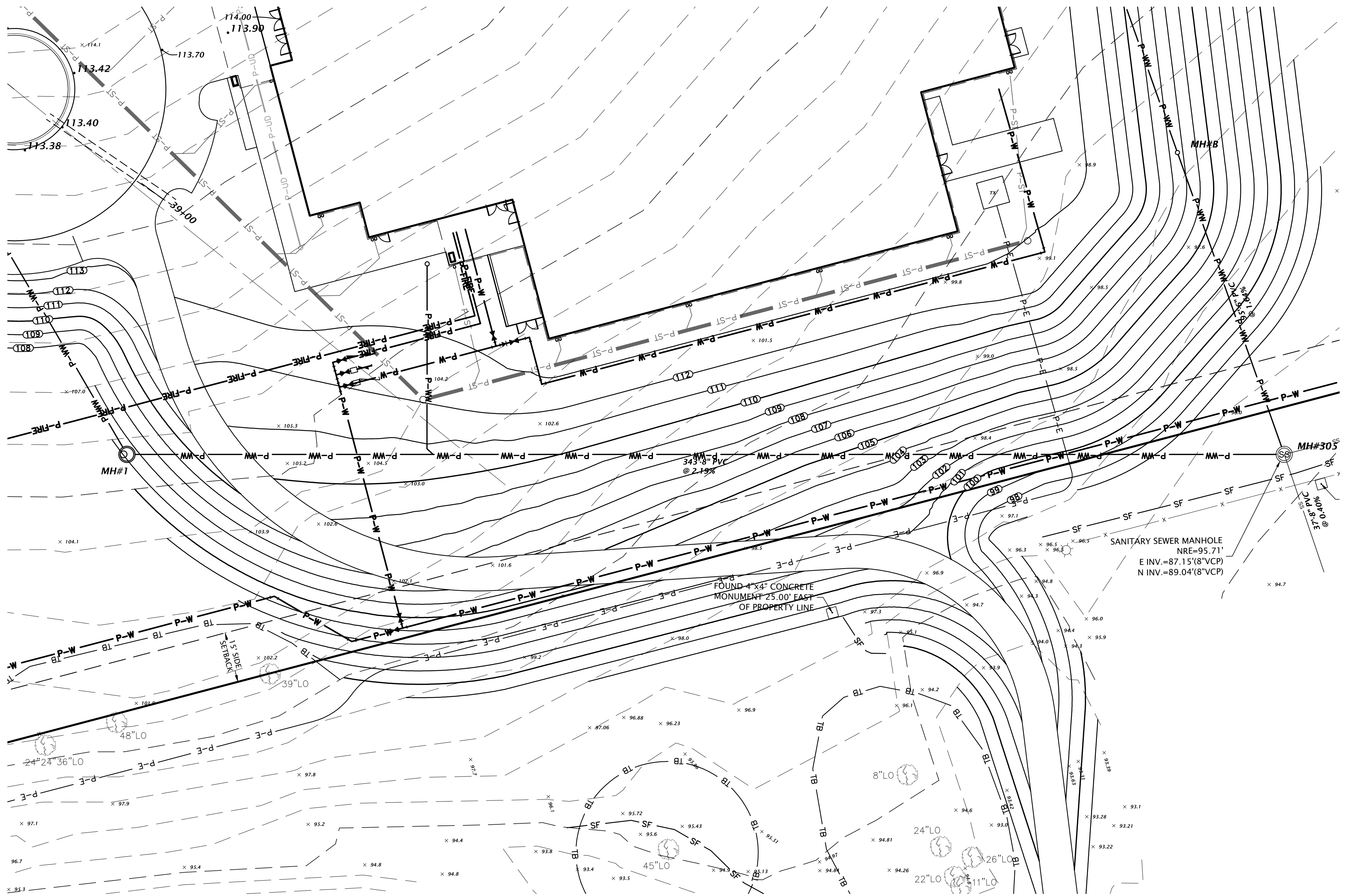
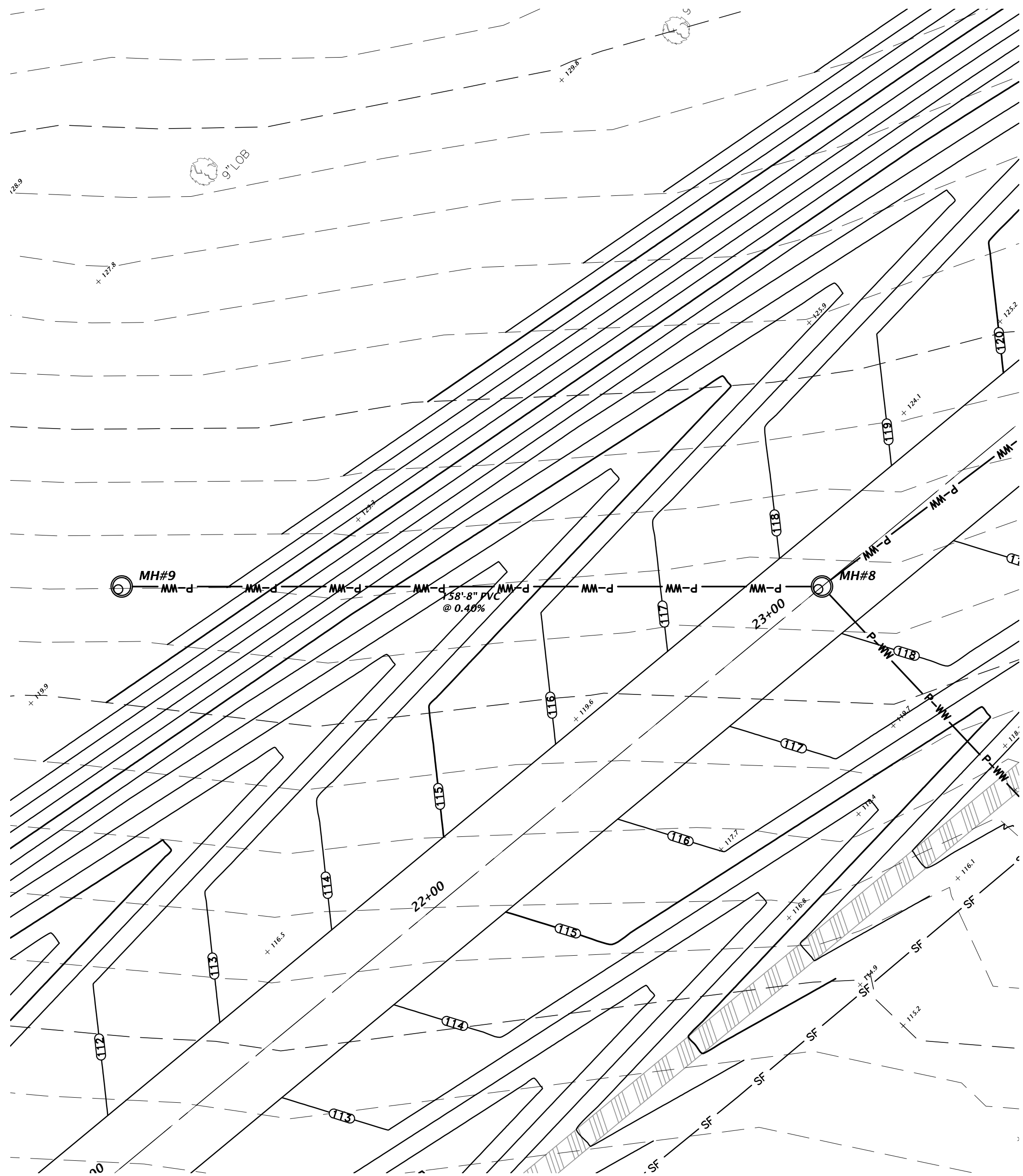
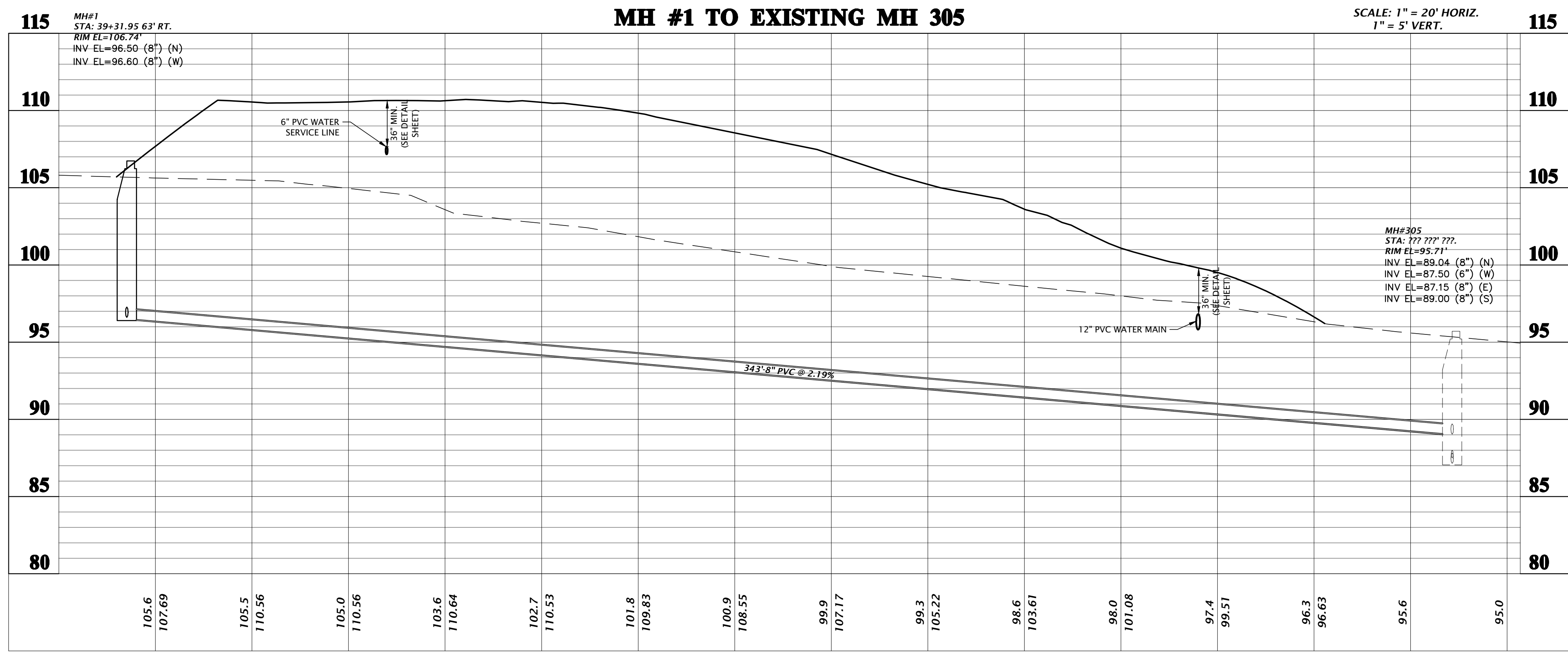
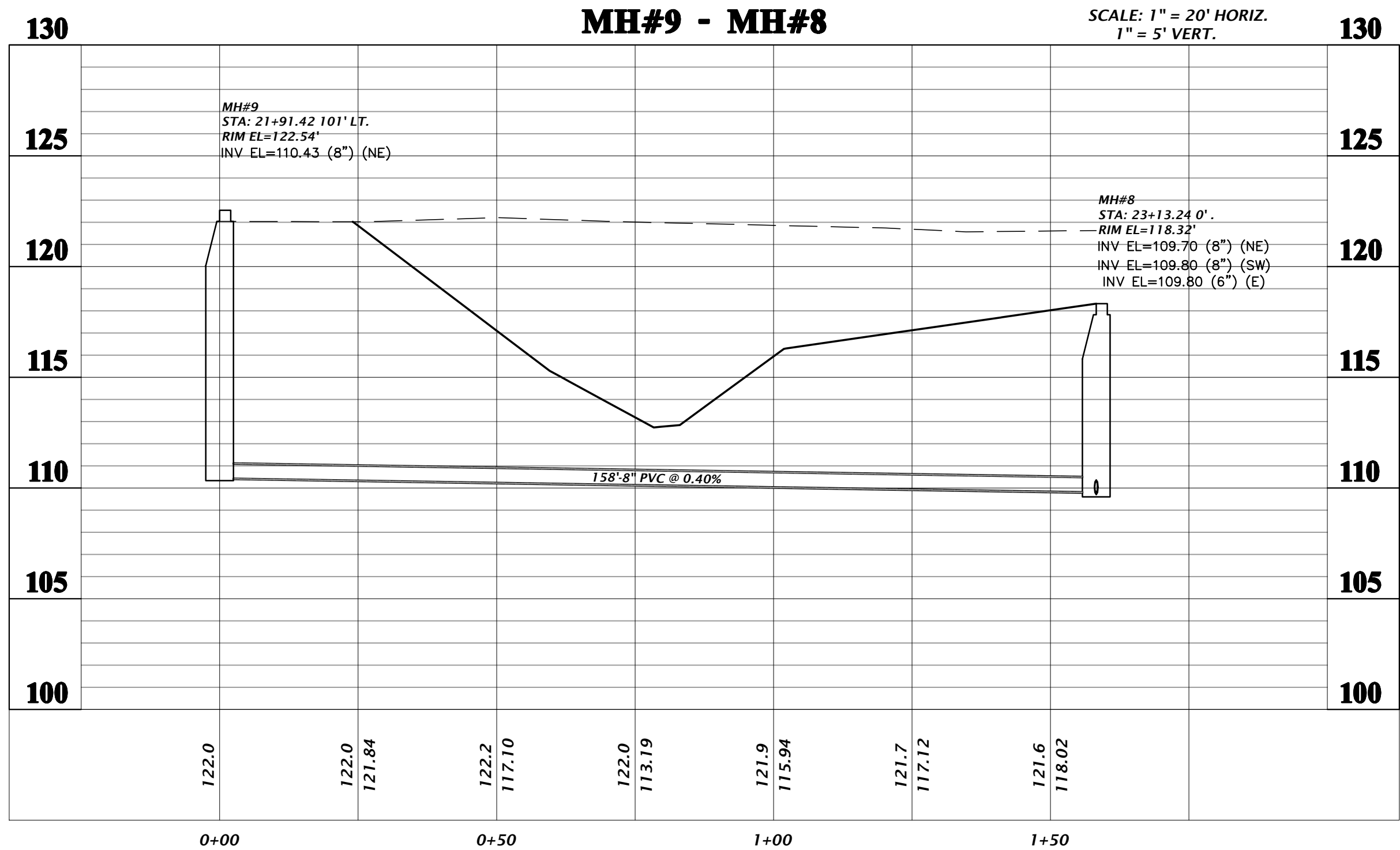
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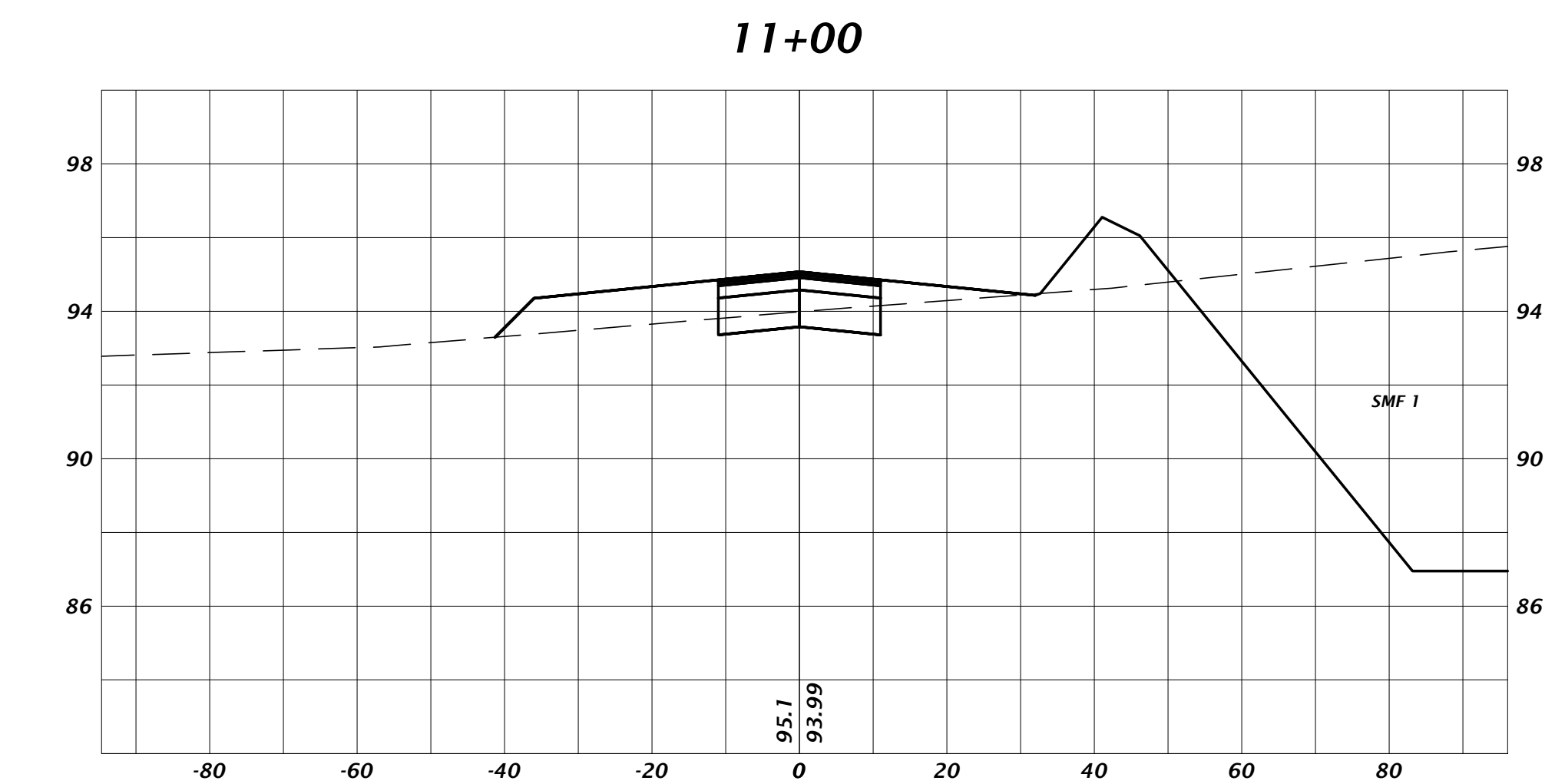
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est. 1988 FLORIDA
CA-5075

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Professional Consultants

P2B SUBMITTAL
SOUTH ENTRANCE ROAD CROSS SECTIONS
15-0401

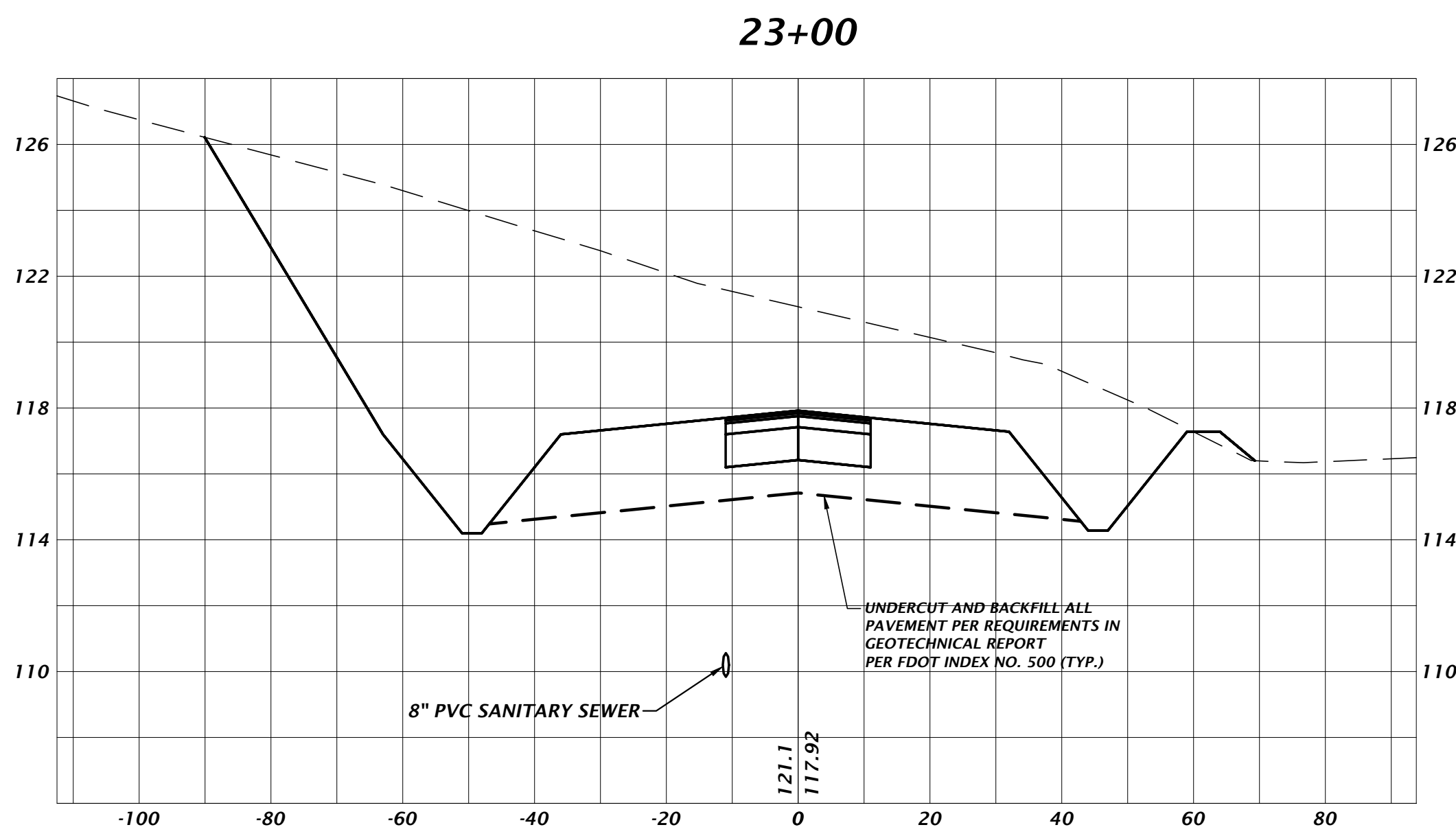
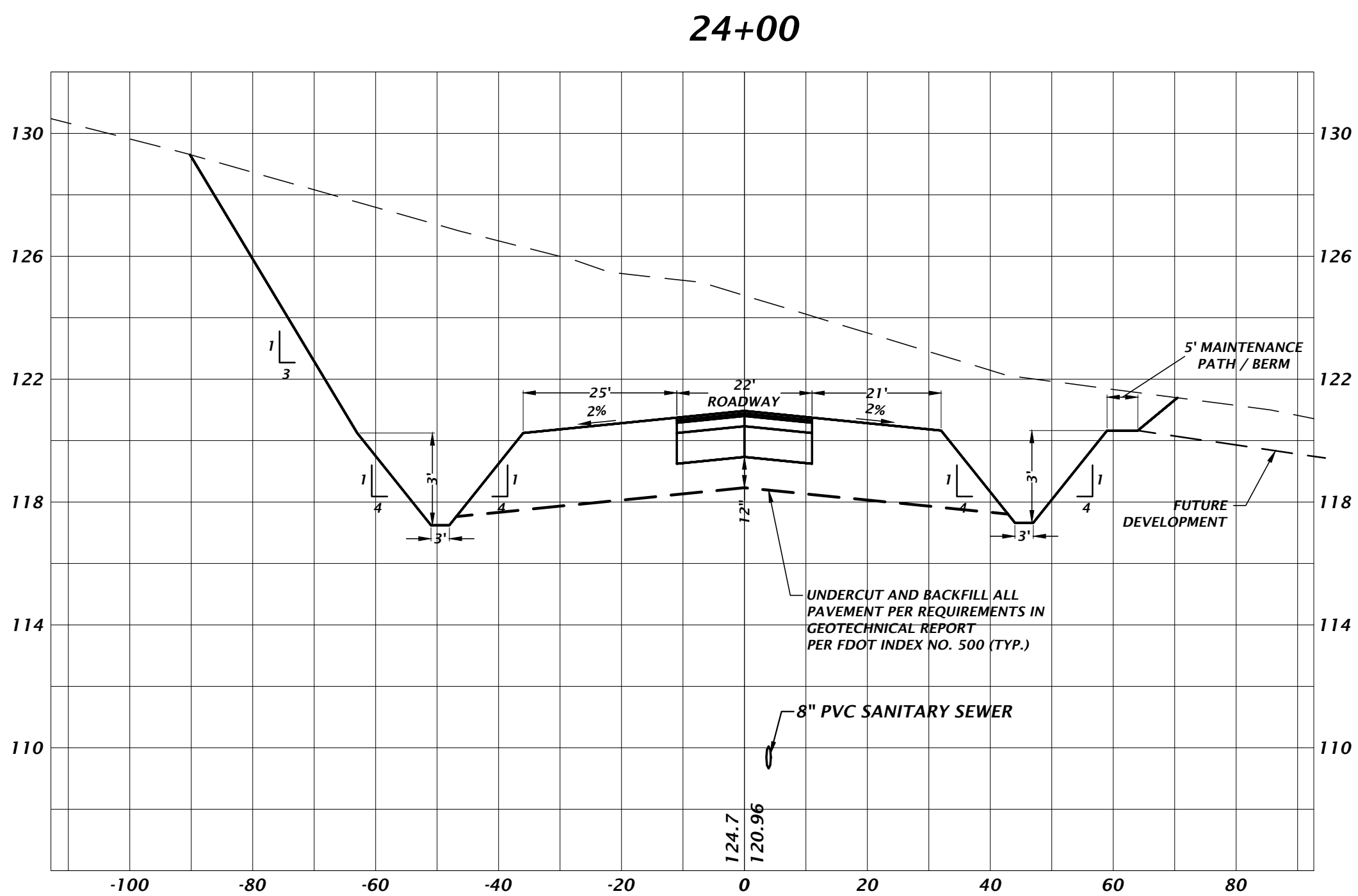
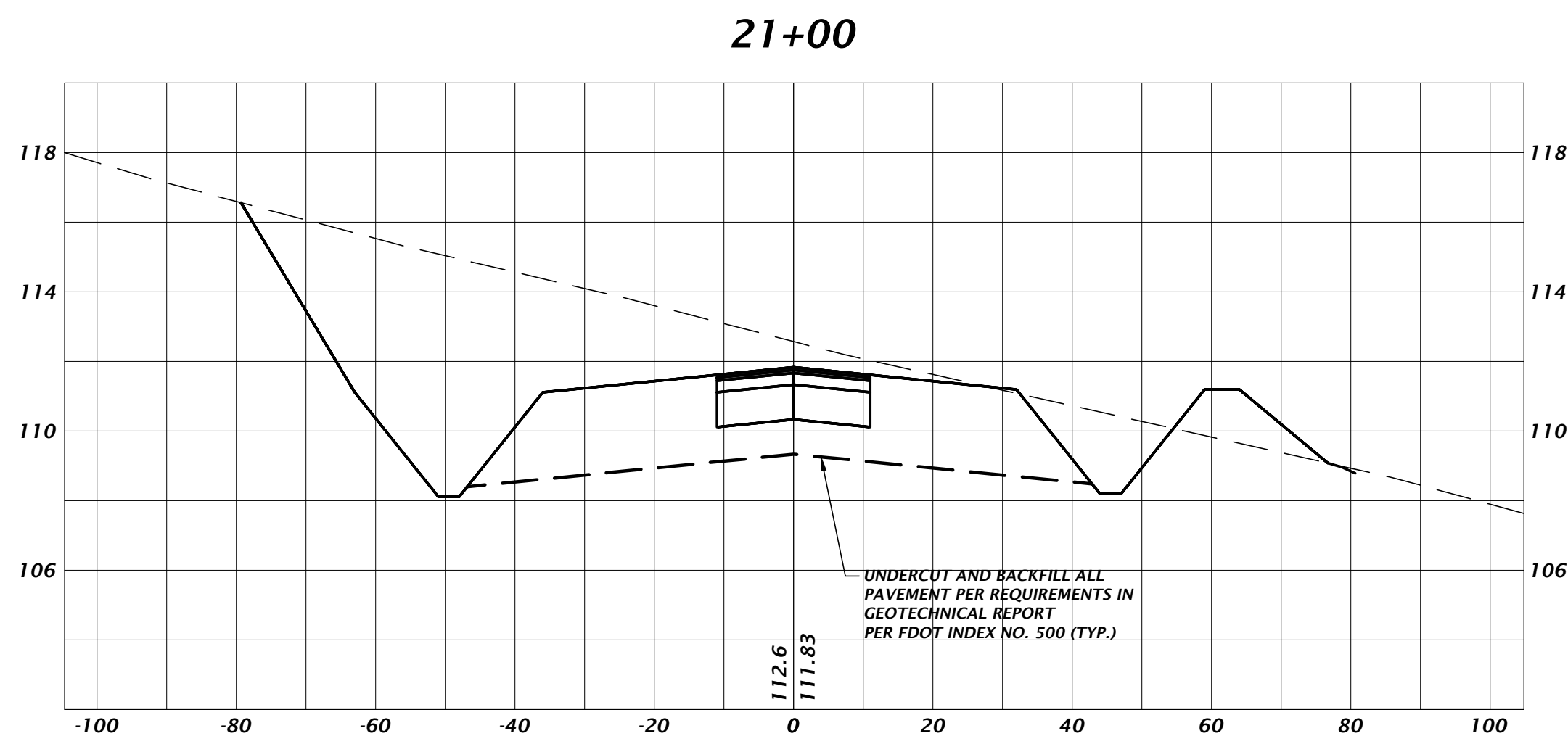
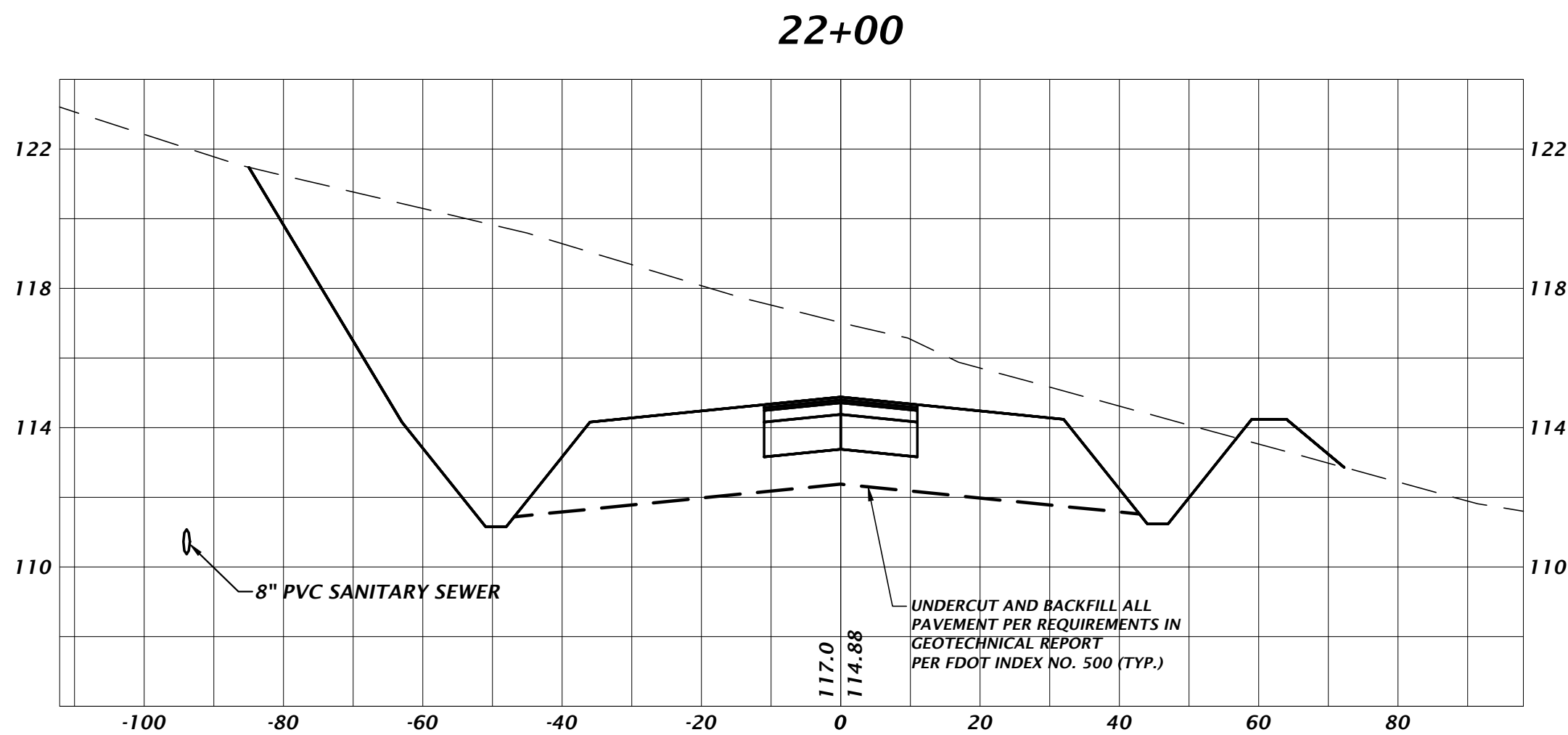
CITY OF ALACHUA
LEGACY PARK - PHASE 1
ALACHUA, FLORIDA

REVISIONS
TEXT
DATE
JAMES A. FLEGERT

FL PE No. 69147
SHEET NO.

C6.01

15-0401



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Plot: Name: PZB Submittal Date: Feb 24, 2016 4:40pm Plotter: L:\2016\15-0401\LegacyPark\LegacyPark.dwg Plot Size: 11x17-00 25.00x35.00 in

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PROPOSAL NO.: 15-0401

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CITY OF ALACHUA
LEGACY PARK - PHASE 1
ALACHUA, FLORIDA

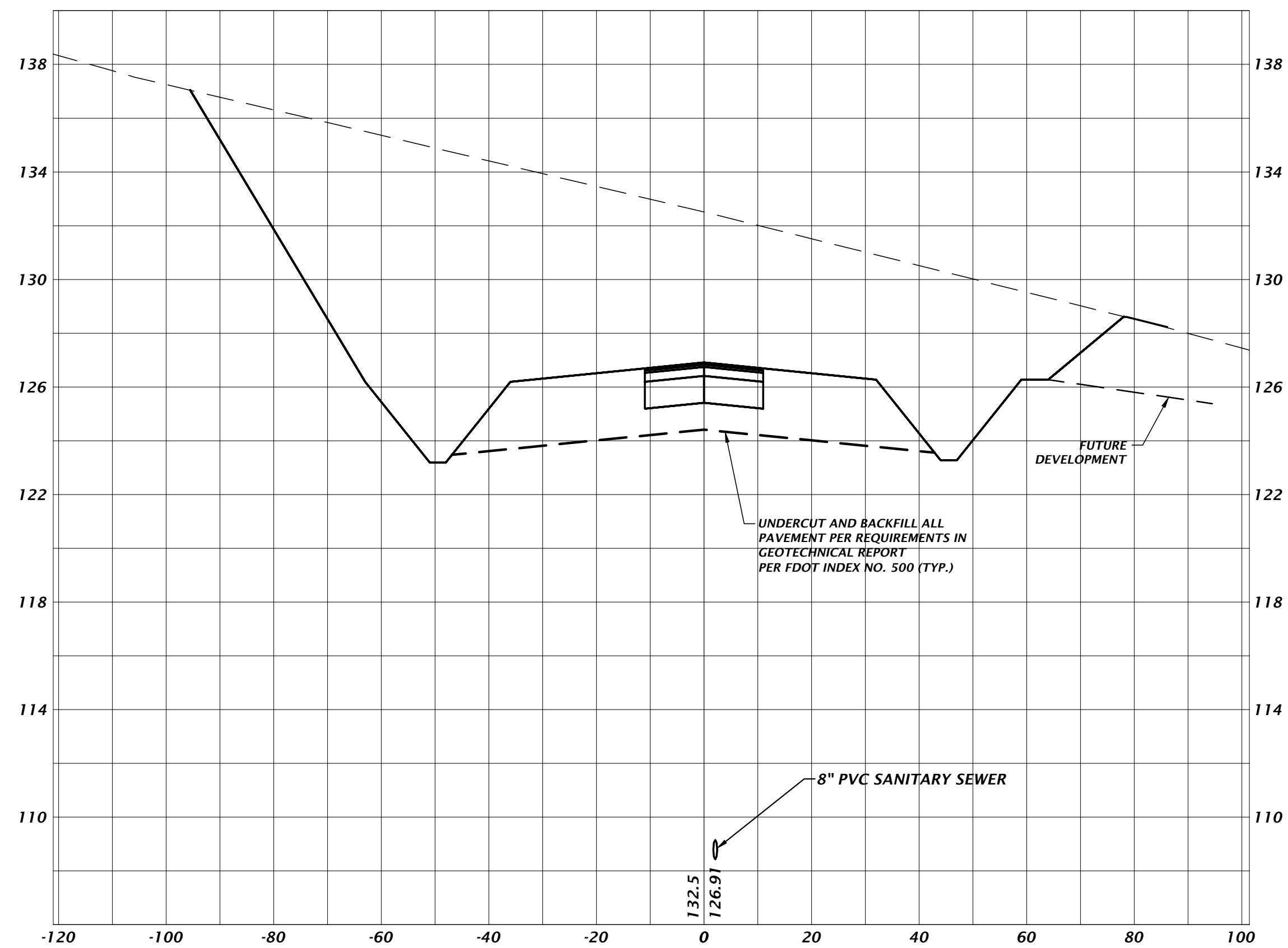
REVISIONS
ITEM: _____
DATE: _____
JAMES A. FLEGERT

FL PE No. 69147
SHEET NO.

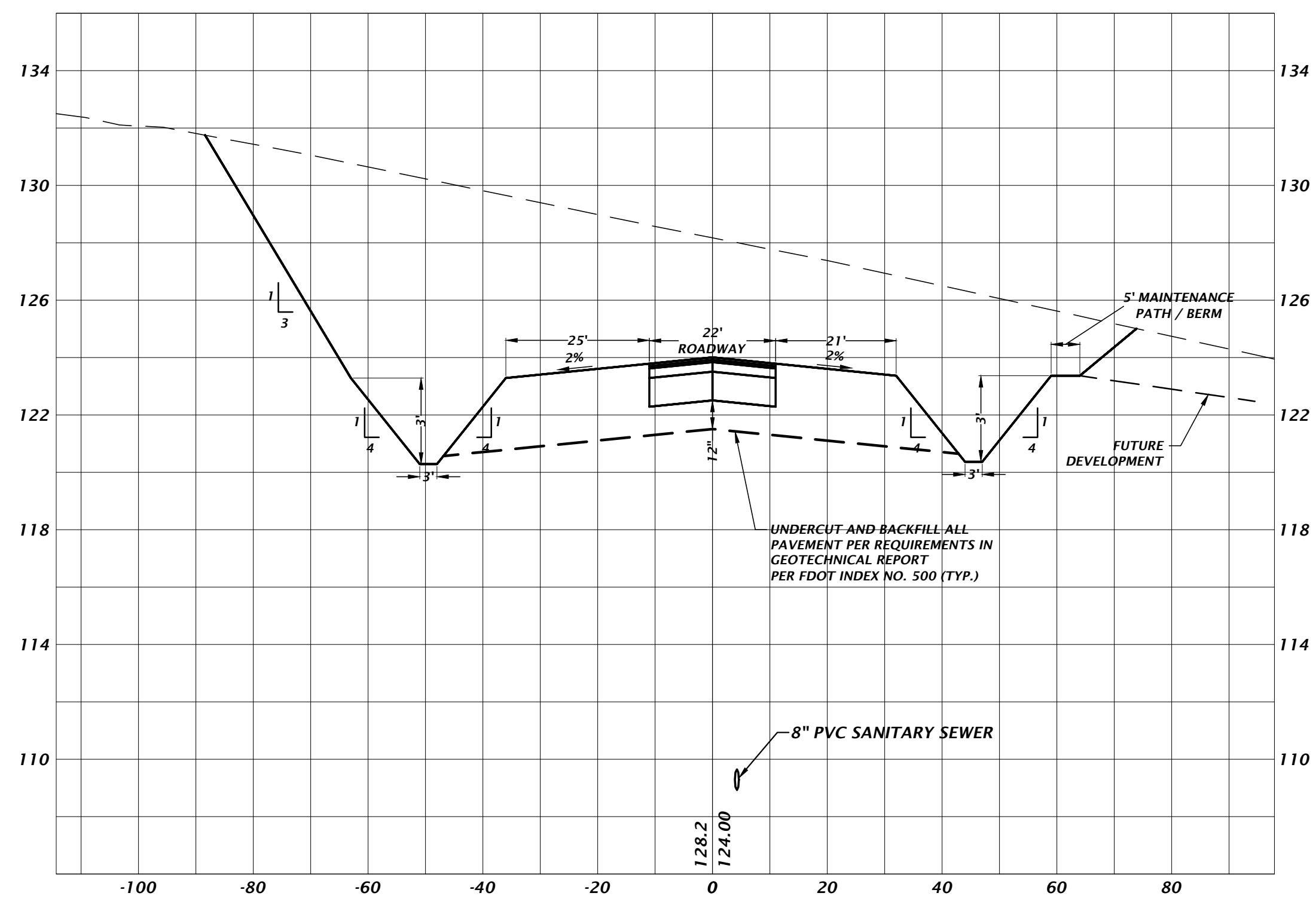
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15-0401

26+00



25+00



27+00

