

DERBYSHIRE SIDEWALKS PHASE 1

THIRD STREET AND VINE STREET

CITY OF DAYTONA BEACH - VOLUSIA COUNTY, FL

100% ENGINEERING PLANS

CITY PROJECT No. : 2017-030, FDOT PROJECT ID# ,FPID # 443236-1, FAN # (tbd)



CITY OF DAYTONA BEACH
COMMISSION AND STAFF
DERRICK L. HENRY, MAYOR
RUTH TRAGER, COMMISSIONER, ZONE 1
AARON DELGADO, COMMISSIONER, ZONE 2
KELLY WHITE, COMMISSIONER, ZONE 3
ROBERT A. GILLILAND, COMMISSIONER, ZONE 4
DANNETTE HENRY, COMMISSIONER, ZONE 5
PAULA R. REED, COMMISSIONER, ZONE 6
JAMES V. CHISHOLM, CITY MANAGER
DAVID WALLER, DEPUTY PUBLIC WORKS DIRECTOR
FRANK VANPELT, TECHNICAL SERVICES DIRECTOR
JIM NELSON, CITY ENGINEER

CLIENT:

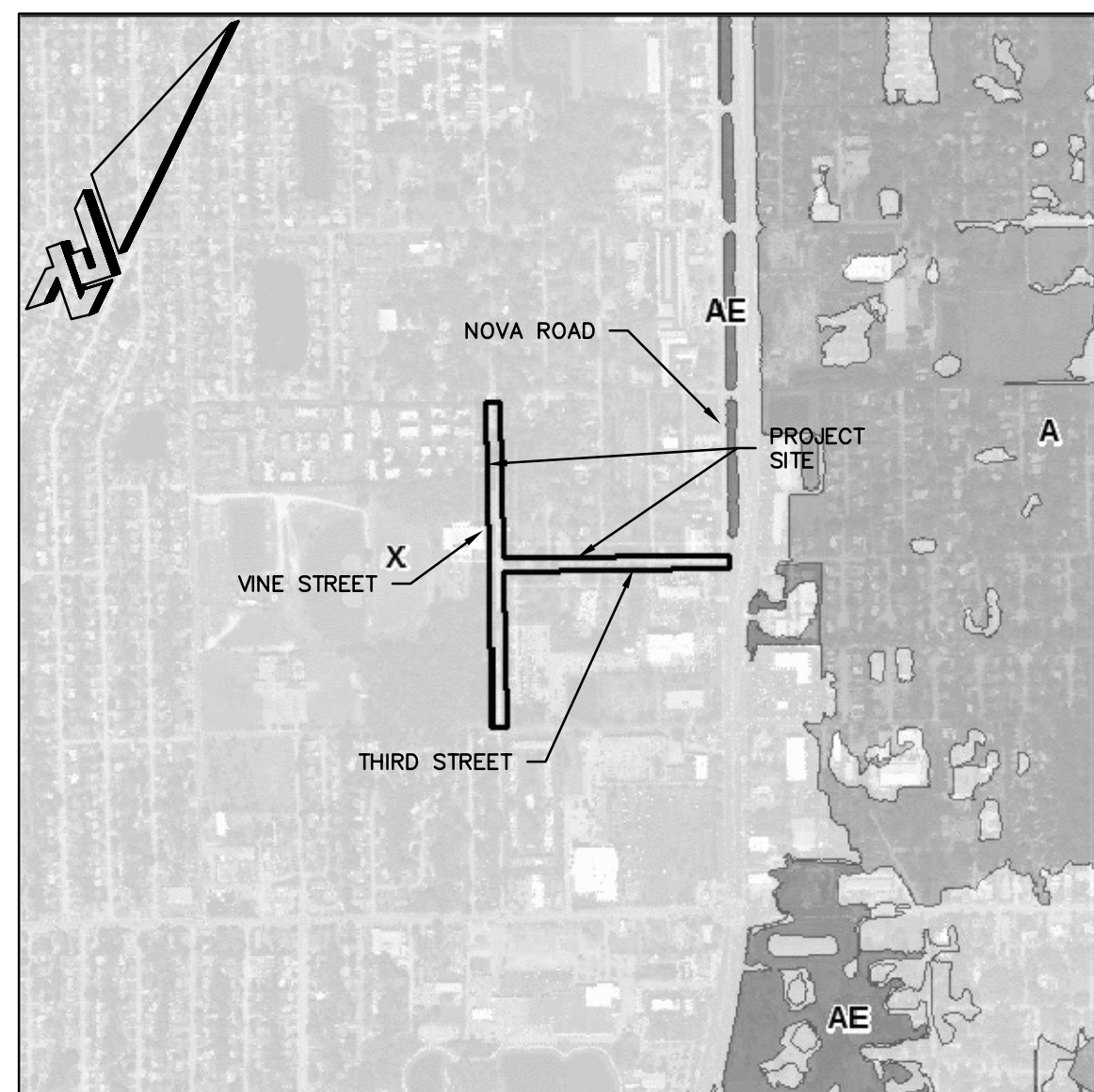
CITY OF DAYTONA BEACH
PUBLIC WORKS DEPARTMENT
950 BELLEVUE AVENUE
DAYTONA BEACH, FL. 32114
PHONE: (386) 671-8632
CONTACT: MS. MICHELLE MARTIN
e-mail: martinmichelle@codb.us

CIVIL ENGINEER:

ZEVE COHEN & ASSOCIATES, INC.
300 INTERCHANGE BLVD.
ORMOND BEACH, FL 32174
PHONE: (386) 677-2482
FAX: (386) 677-2505
CONTACT: SAMUEL C. HAMILTON, JR., P.E.
e-mail: shamilton@zevecohen.com

SURVEYOR:

ATS LAND SURVEYING, LLC
1362 N. US HWY 1, SUITE 304
ORMOND BEACH, FL., 32174
PHONE: (386) 264-8490
FAX: (386) 845-9216
CONTACT: JOSEPH JAY WOOLDRIDGE, PSM
e-mail: jayw@ats-ls.com



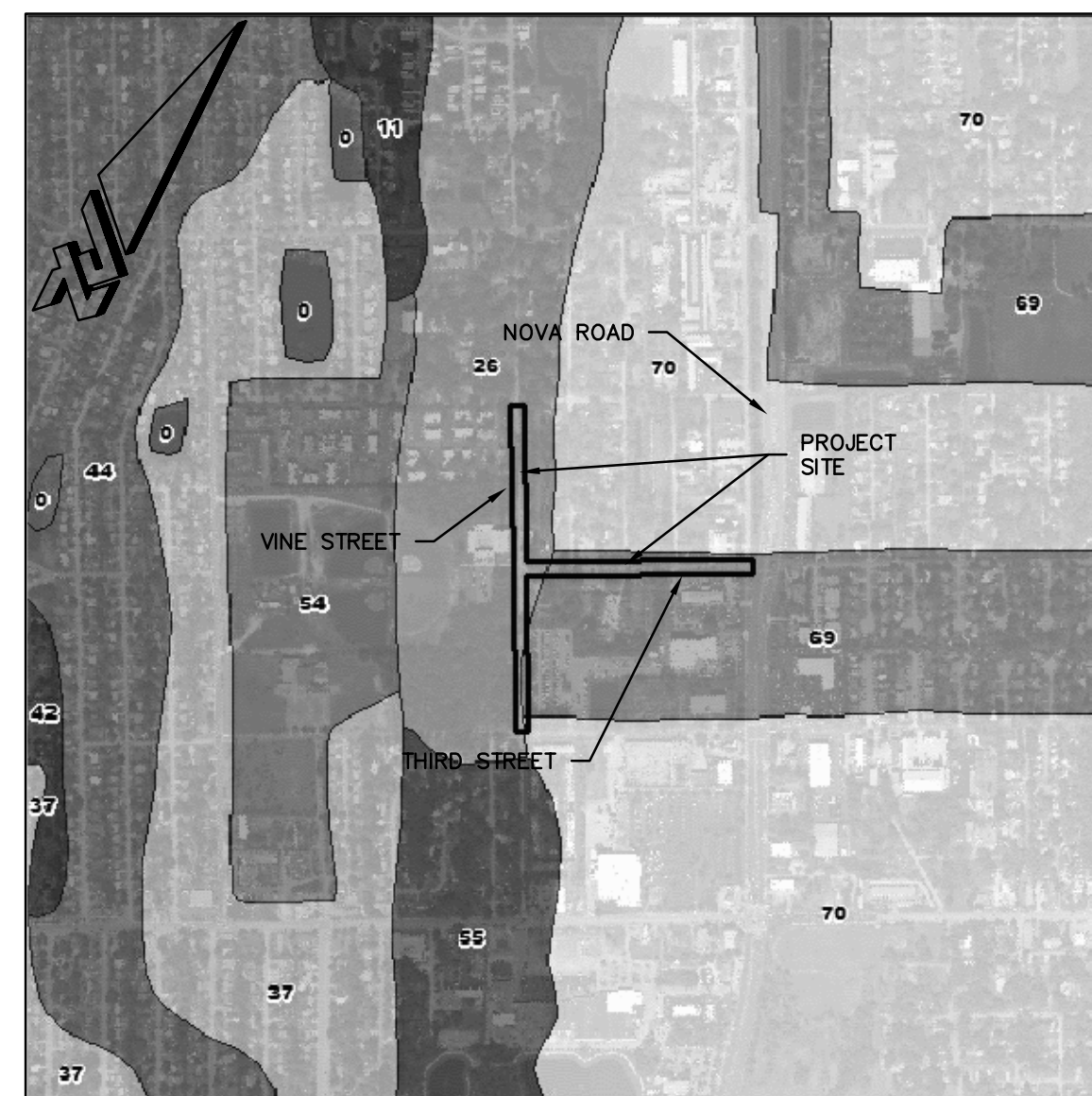
FLOOD MAP

SCALE: 1" = 1000'



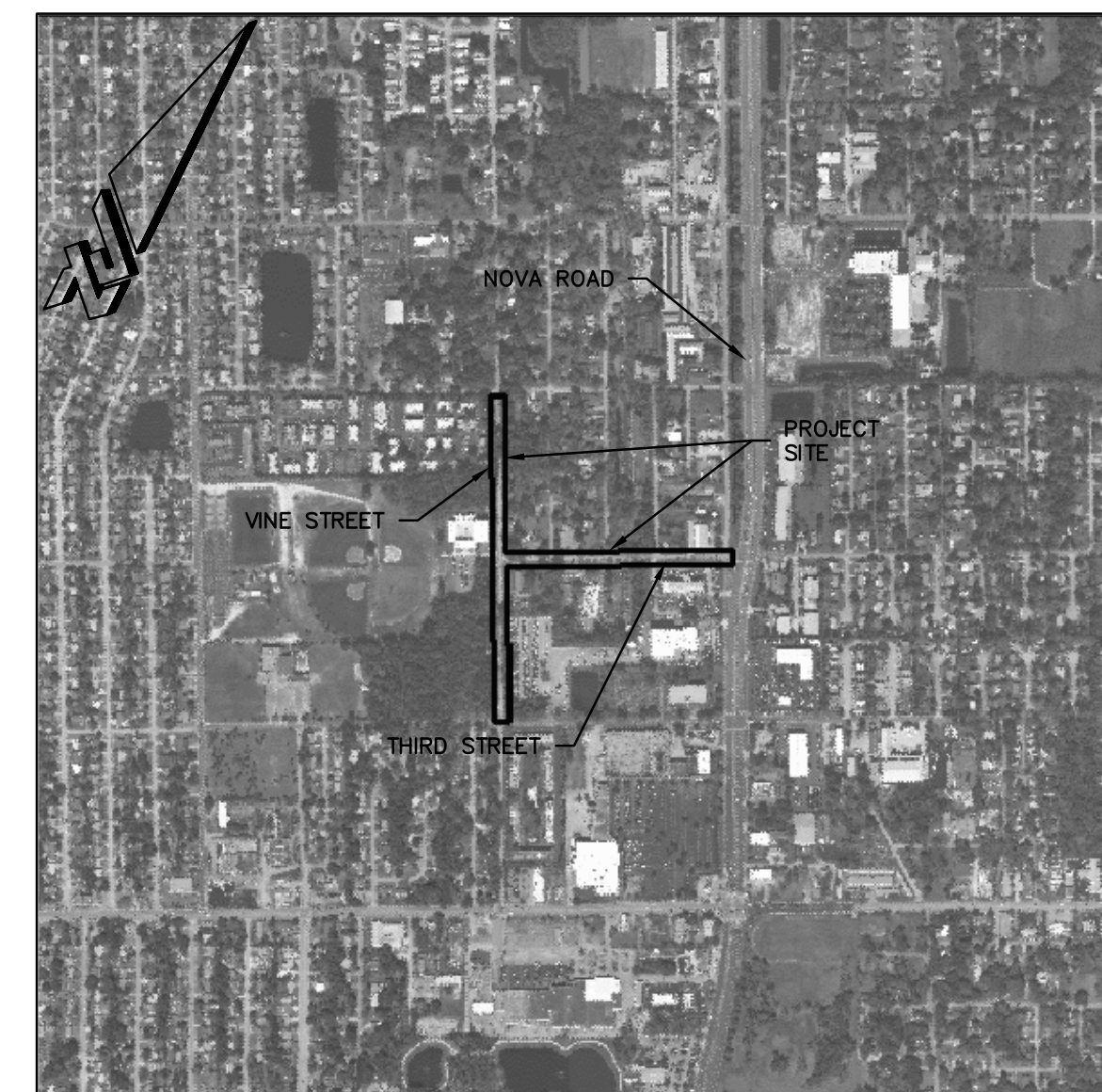
LAND USE MAP

SCALE: 1" = 1000'



SOILS MAP

SCALE: 1" = 1000'



VICINITY MAP

SCALE: 1" = 1000'

SITE DATA:

PROJECT INFORMATION

<u>SITE AREA</u>	
TOTAL SITE AREA:	0.92 ACRES
PROJECT AREA CONSTRUCTION LIMITS (AREA WITHIN LIMITS OF CONSTRUCTION):	0.92 ACRES
VINE STREET SIDEWALK LENGTH:	1870 LF
THIRD STREET SIDEWALK LENGTH:	1274 LF
TOTAL PROJECT LENGTH:	3144 LF

NOTES:

1. ALL CONSTRUCTION SHALL MEET CURRENT ADA REQUIREMENTS, ALL CONSTRUCTION NOT ADA COMPLIANT WILL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.
2. ALL PROPOSED IMPROVEMENTS SHOWN HEREIN SHALL BE CONSTRUCTED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
3. THE SCALE OF THE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.

GOVERNING STANDARDS AND SPECIFICATIONS:

Florida Department of Transportation Standard Specifications for Road and Bridge Construction, January 2017 Edition
Florida Department of Transportation Design Standards, FY 2018–2019
City of Daytona Beach Engineering Standards for Design and Construction
City of Daytona Beach Utilities Department Standard Details, 2017–2018
Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways, 2017–2018 Edition.

SHEET INDEX:

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
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C1	COVER SHEET
C2	CONSTRUCTION NOTES
C2A	SUMMARY OF PAY ITEMS
C3	OVERALL DEMOLITION AND EROSION CONTROL PLAN
C4-C6	DEMOLITION AND EROSION CONTROL PLAN
C7	OVERALL SIDEWALK LOCATION PLAN
C8-C9	SIDEWALK GRADING & DRAINAGE PLAN VINE STREET-50' R.O.W.
C10	SIDEWALK GRADING & DRAINAGE PLAN THIRD STREET-R.O.W. WIDTH VARIES
C11	SIDEWALK GRADING & DRAINAGE PLAN THIRD STREET-R.O.W. WIDTH VARIES
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C16-C20	CONSTRUCTION DETAILS



CIVIL ENGINEERING

LANDSCAPE ARCHITECTURE

ENVIRONMENTAL

PLANNING

TRANSPORTATION

[illegible]

**DERBYSHIRE SIDEWALKS PHASE 1
THIRD STREET AND VINE STREET
100% PLANS
COVER SHEET**

PROJECT NO: ZC17045

ISSUE DATE: 03-26-2018

DESIGNED BY: KR

DRAFTED BY: TL

CHECKED BY: BWS

DRAWING FILE: 01-17045COV
XREF'S: 17045TIB.DWG
XREF'S:

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1. *Journal of the American Medical Association*, 2000; 284: 1039-1044.

1. *Journal of the American Medical Association*, 2000; 283: 2689-2694.

1. *Journal of the American Medical Association*, 2000; 284: 2689-2695.

KRISTOPHER ROWLEY, P.E. NO. 8
NOT VALID WITHOUT SEAL

SCALE: AS NOTED

SHEET: C1 OF 20

SITE CLEARING AND GRADING NOTES (CONT.)

STORMWATER CONSTRUCTION NOTES (CONT.)

- FDOT GENERAL NOTES

- ## AS-BUILT DRAWING REQUIREMENTS

1. CONTRACTOR SHALL PERFORM ALL PROJECT WORK IN ACCORDANCE WITH FDOT DESIGN STANDARDS, 2017-2018 EDITION. NO LANE CLOSURES ARE PERMITTED BETWEEN THE HOURS OF 7 A.M. AND 7 P.M. NIGHT WORK IS NOT PERMITTED.
2. CONTRACTOR SHALL OBTAIN PRIOR APPROVAL OF HIS MAINTENANCE OF TRAFFIC (MOT) PLANS FOR ANY LANE CLOSURES FROM THE CITY TRAFFIC ENGINEERING DIVISION AT LEAST TWO (2) WEEKS IN ADVANCE OF ANY LANE CLOSURE.
3. EXISTING SIGNING AND PAVEMENT MARKINGS TO BE MAINTAINED UNLESS SHOWN OTHERWISE IN THESE PLANS.
4. TWO (2) WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES THROUGHOUT ENTIRE LENGTH OF PROJECT.
5. CITY WAY ACCESS TO BUSINESS AND RESIDENT DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. TEMPORARY DRIVEWAY CLOSURES MAY BE ALLOWED IF SHARED ACCESS IS AVAILABLE OR IF WRITTEN AUTHORIZATION FROM THE PROPERTY OWNER IS PROVIDED TO CITY PRIOR TO COMMENCEMENT OF WORK ACTIVITIES.
6. VARIABLE MESSAGE BOARDS SHALL BE INSTALLED 48 HOURS PRIOR TO LANE CLOSURES. CONTRACTOR IS RESPONSIBLE FOR ADEQUATE NUMBER OF BOARDS AND LOCATIONS, TO BE VERIFIED PRIOR TO COMMENCEMENT OF WORK.
7. ALL TRAFFIC CONTROL SIGN AND PAVEMENT MARKINGS SHALL COMPLY WITH THE F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2017-2018 EDITION.
8. CONTRACTOR TO MAINTAIN PROPER WORK AREA CRITERIA FOR ALL ROAD CLOSURES. ROAD CLOSURES SHALL BE RESPONSIBLE FOR INSTALLING PROPER DEVICES WHEN A DROP IN TRAFFIC CONDITIONS CANNOT BE AVOIDED.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE GENERAL PUBLIC AND PUBLIC AGENCIES OF ROAD CLOSURES AT LEAST 48 HOURS IN ADVANCE.
10. AFFECTED ROADWAY SHALL BE RESTORED AND ALL LANE CLOSURES WILL BE PERMITTED DURING THE CITY OF DAYTONA BEACH SPECIAL EVENT PERIOD UNLESS PRIOR WRITTEN NOTIFICATION IS OBTAINED FROM CITY OF DAYTONA BEACH TRAFFIC ENGINEERING DIVISION.

THE FOLLOWING REPRESENTS MINIMUM STANDARDS TO BE ADHERED TO BY THE CONTRACTOR THROUGHOUT THE CONSTRUCTION OF A PROJECT. THE CITY RESERVES THE RIGHT TO REQUIRE ADDITIONAL MEASURES TO BE EMPLOYED WHEN WARRANTED BY EXTREME CONDITIONS AND/OR THE FAILURE OF THE CONTRACTOR TO EMPLOY THE APPROPRIATE EROSION CONTROL BEST MANAGEMENT PRACTICES. FAILURE TO COMPLY WITH THESE PROVISIONS SHALL RESULT IN THE ISSUANCE OF A "STOP WORK ORDER".

1. NO DISTURBANCE OF EXISTING OR PROPOSED CONSERVATION EASEMENTS, NATURAL BUFFERS, OR WATER BODIES IS PERMITTED WITHOUT PRIOR APPROVAL FROM THE CITY ENGINEER OR DESIGNEE. THE CONTRACTOR SHALL LOCATE THESE AREAS ON-SITE AND BARRICADE THEM TO AVOID ANY UNAUTHORIZED CLEARING, BARRICADES AND OTHER EROSION CONTROL FENCING, SYNTHETIC JUTE BALES, SILT FENCES, OR FLOATING TURBIDITY BARRIERS, FURTHER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN THESE AREAS THROUGHOUT THE DURATION OF THE ENTIRE PROJECT. MAINTENANCE SHALL INCLUDE PERIODIC INSPECTION AND REMOVAL OF DEBRIS ABUTTING EROSION CONTROL DEVICES IN ACCORDANCE WITH THE CITY'S UTILITY DEPARTMENT STANDARDS.
2. SPECIMEN AND HISTORIC TREES, CONSERVATION EASEMENTS, NATURAL VEGETATION BUFFERS, AND SIMILAR AREAS MUST BE PROTECTED BY BARRICADES OR FENCING PRIOR TO CLEARING. BARRICADES ARE TO BE SET AT THE DRIP LINE OF THE TREE. THE TREE IS TO REMAIN INTACT THROUGHOUT THE DURATION OF THE PROJECT. BARBED WIRE IS NOT PERMITTED AS A PROTECTIVE BARRIER.
3. WHERE A CHANGE OF GRADE OCCURS AT THE DRIP LINE OF A SPECIMEN TREE, SILT FENCE WILL BE REQUIRED DURING CONSTRUCTION AND RETAINING WALLS MUST BE INSTALLED PRIOR TO FINAL ACCEPTANCE BY THE CITY. WHERE THE TREE IS TO BE REMOVED, THE CONTRACTOR SHALL MAINTAIN THE EXISTING GRADE AND SHALL PROVIDE EROSION CONTROL STRUCTURES AND MEASURES IN PLACE PRIOR TO THE COMMENCEMENT OF ANY EARTHWORK, INCLUDING PRELIMINARY GRUBBING. THESE MEASURES INCLUDE, BUT ARE NOT LIMITED TO, TEMPORARY CONSTRUCTION FENCES, SYNTHETIC JUTE BALES, SILT FENCES, AND FLOATING TURBIDITY BARRIERS. FURTHER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN THESE AREAS THROUGHOUT THE DURATION OF THE ENTIRE PROJECT. MAINTENANCE SHALL INCLUDE PERIODIC INSPECTION AND REMOVAL OF DEBRIS ABUTTING EROSION CONTROL DEVICES IN ACCORDANCE WITH THE CITY'S UTILITY DEPARTMENT STANDARDS.

30. STORM INLETS, MANHOLES, AND CATCH BASINS SHALL BE FDOT COMPLIANT. EITHER POURED IN PLACE OR PRECAST REINFORCED CONCRETE STRUCTURES SHALL BE REQUIRED AT EACH CHANGE OF PIPE SIZE OR CHANGE IN PIPE DIRECTION. ALL STRUCTURES SHALL BE IN COMPLIANCE WITH ASTM C-478 AND SHALL HAVE 6" THICK WALLS. MANHOLE COVERS SHALL BE CAST IN PLACE CONCRETE. PRECAST STRUCTURES SHALL BE IN COMPLIANCE WITH THE PRECAST/PREFABRICATED CONCRETE DESIGN SPECIFICATION, 2007 EDITION, IN ACCORDANCE WITH FDOT STANDARD INDEX NO. 200 AND NO. 201. IN ADDITION, THIS REQUIREMENT MUST BE REFLECTED ON BOTH THE SHOP DRAWING AND AS-BUILT PLANS. STRUCTURES PLACED IN HIGH TRAFFIC AREAS SHALL BE OF TRAFFIC BEARING CONSTRUCTION IN ACCORDANCE WITH FDOT STANDARDS.
31. STORM INLETS SHALL BE SPACED IN SUCH A MANNER AS TO ACCEPT ONE HUNDRED (100) PERCENT OF THE DESIGN STORM RUNOFF WITHOUT IMPEDING THE FLOW OF TRAFFIC FOR ROADWAY SECTIONS WITH DESIGN SPEEDS OF 45 MPH AND LESS AND WITHOUT RESULTING IN UNDESIRABLE SPACING. SPACING SHALL BE A MINIMUM OF SEVEN (7) FEET AND SHALL BE SUCH THAT THE SPACING SHALL NOT EXCEED ONE-HALF OF THE TRAVEL LANE ADJACENT TO THE GUTTER. FOR SITE PLANS, INLET SPACING SHALL BE DESIGNED TO ACCEPT ONE HUNDRED (100) PERCENT OF THE RUNOFF FROM A RAINFALL INTENSITY OF FOUR (4) INCHES (4") PER HOUR WITHOUT RESULTING IN PONDING OF WATER AROUND THE INLET.
32. FOR CONNECTIONS BETWEEN INLETS WITH PIPING 15" IN DIAMETER AND LARGER, THE MAXIMUM DISTANCES BETWEEN INLETS AND / OR CLEAN-OUT JUNCTION BOXES SHALL BE 100 FEET. FOR CULVERTS, THE MAXIMUM DISTANCE BETWEEN INLETS SHALL BE 100 FEET. FOR PIPING 15" AND SMALLER, THE MAXIMUM DISTANCE BETWEEN INLETS SHALL BE 50 FEET. THE MINIMUM SPACING SHALL BE 25 FEET. THE MINIMUM SPACING SHALL BE BASED ON A VELOCITY OF 2.5 FEET PER SECOND USING A MANNING'S "n" OF 0.012. SPACING FOR CLEAN-OUTS AND INLETS FOR SMALLER PIPING SHALL BE REDUCED AND EVALUATED ON A CASE BY CASE BASIS.
33. ALL STORMWATER INLETS SHALL MEET FDOT CRITERIA IN THE FDOT DESIGN STANDARD 2017-2018 EDITION.

**SHIRE SIDEWALKS PHASE 1
STREET AND VINE STREET
100% PLANS
CONSTRUCTION NOTES**

PROJECT NO:	ZC17045		
ISSUE DATE:	03-26-2018		
DESIGNED BY:	KR		
DRAFTED BY:	TL		
CHECKED BY:	BWS		
DRAWING FILE:	02-17045NOT XREF'S.17045TIB.DWG XREF'S.		
<p>KRISTOPHER ROWLEY, P.E. NO. #42053 NOT VALID WITHOUT SEAL</p>			
SCALE: AS NOTED			
SHEET:	C2	OF	20



Know what's below.
Call before you dig.

BASE BID

PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL
0101-1	MOBILIZATION	MIXED	1
0102-1	MAINTENANCE OF TRAFFIC	MIXED	1
0104-10-3	SEDIMENT BARRIER	LF	5712
0104-11	FLOATING TURBIDITY BARRIER	LF	19
0104-18	INLET PROTECTION SYSTEM	EA	5
0110-1-1	CLEARING AND GRUBBING	LS	1
0110-4-10	REMOVAL OF EXISTING CONCRETE PAVEMENT	SY	201
0110-7-1	MAILBOX, F&I SINGLE	EA	1
0120-6	EMBANKMENT	CY	1070
0160-4	TYPE B STABILIZATION	SY	2430
0287-1	ASPHALT TREATED PERMEABLE BASE	CY	95
0327-70-6	MILLING EXIST ASPH PAVT, 1 1/2" AVG DEPTH	SY	124
0334-1-11	SUPERPAVE ASPHALTIC CONCRETE, TRAFFIC A	TN	57
0400-1-2	CONCRETE CLASS I, ENDWALLS	CY	2.24
0425-2-71	MANHOLES, J-7, <10'	EA	9
0425-1521	INLETS, DT BOT, TYPE C,<10'	EA	11
0425-1541	INLETS, DT BOT, TYPE D, <10'	EA	1
0430174115	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 15"SD	LF	120
0430174124	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 24"SD	LF	1318
0430174224	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH,	LF	295
0515-1-2	PIPE HANDRAIL, ALUMINUM	LF	44
0520-2-4	CONCRETE CURB, TYPE D	LF	89
0522-1	SIDEWALK CONCRETE, 4" THICK (2500 PSI)	SY	1792
0522-2	Concrete Sidewalk and Driveways, 6" Thick (2500 psi)	SY	73

0527-2	DETECTABLE WARNING ON EXISTING WALKING SURFACE	SF	235
0570-1-2	PERFORMANCE TURF (BAHIA SOD)	SY	2765
0639-1410	ELECTRICAL POWER SERVICE, REL OVERHEAD	AS	2
0700-1-11	SINGLE POST SIGN, INSTALL, LESS THAN 12 SF	AS	7
0700-1-50	SINGLE POST SIGN, RELOCATE	AS	7
0711-11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12"	LF	601
0711-11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24"	LF	142
0711-11241	THERMOPLASTIC, STANDARD, YELLOW, 2-4 DOTTED GUIDE LINE /6-10 DOTTED EXTENSION LINE, 6"	GM	0.01
0711-12201	THERMOPLASTIC, REFURBISHMENT, YELLOW, SOLID, 6"	GM	0.12
1050-13003	UTILITY PIPE, INSTALL, 5-7.9"	LF	86
1060-11212	UTILITY STRUCTURE, BELOW GROUND, F&I, WATER/SEWER, 0 - 80 FT3, 6.1 - 12'	EA	2
1080-15	UTILITY FIXTURES, ADJUST & MODIFY	EA	2

ALTERNATE BID

PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL
0210-2	LIMEROCK-NEW MATERIAL FOR REWORKING BASE	CY	126



CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL
PLANNING
TRANSPORTATION

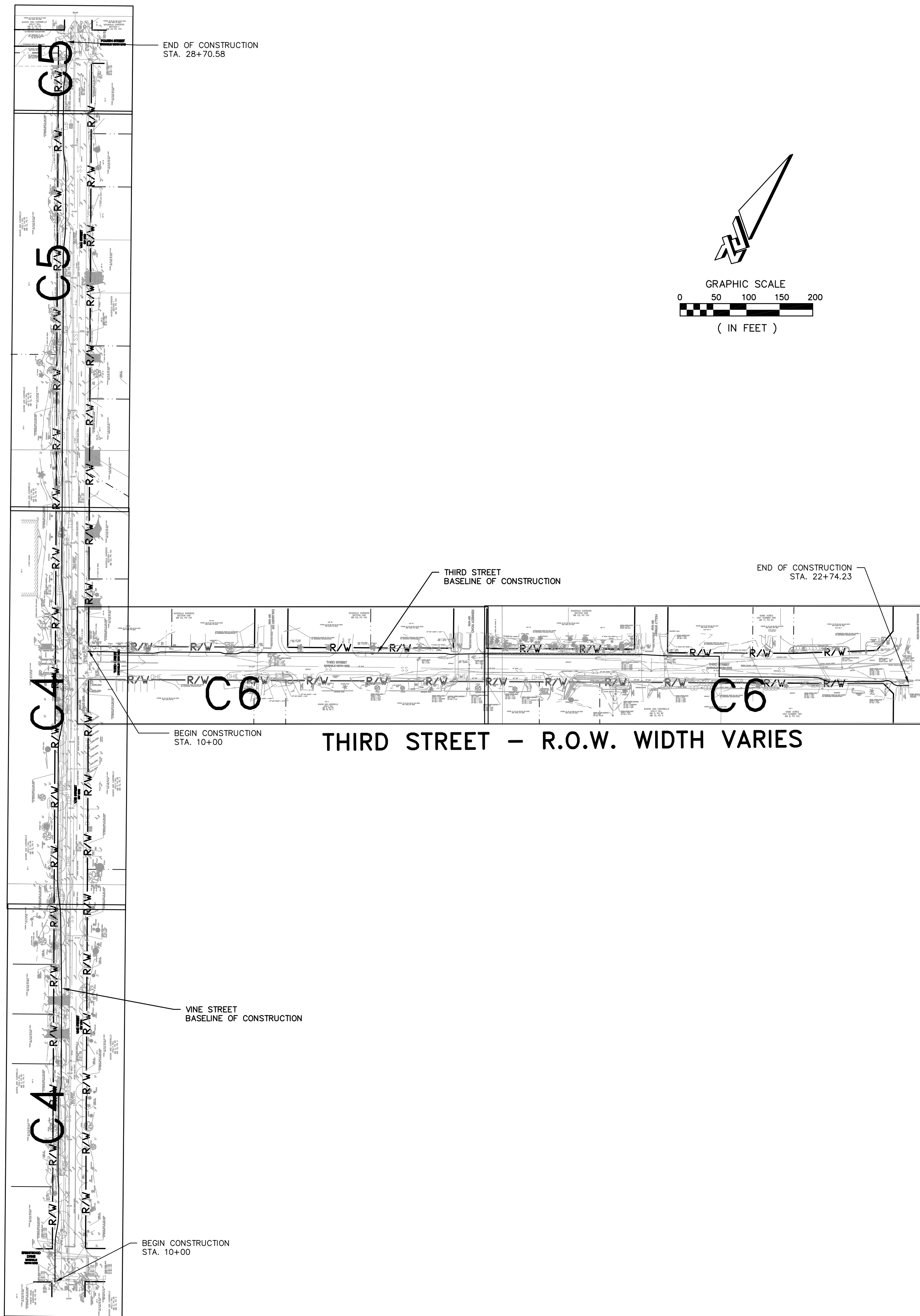
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**DERBYSHIRE SIDEWALKS PHASE 1
THIRD STREET AND VINE STREET
100% PLANS
SUMMARY OF PAY ITEMS**

PROJECT NO:	ZC17045
ISSUE DATE:	03-26-2018
DESIGNED BY:	KR
DRAFTED BY:	TL
CHECKED BY:	BWS
DRAWINGS FILE: 02A-17045SPI XREFS: 17045TIB.DWG	
KRISTOPHER ROWLEY, P.E. NO. 84263 NOT VALID WITHOUT SEAL	
SCALE: AS NOTED	
SHEET:	C2A OF 20

SURVEYORS LEGEND IS FOR REFERENCE ONLY

SYMBOL LEGEND			
	HVAC		ELM TREE
	AIR RELEASE VALVE		ELECTRIC MANHOLE
	ANTENNA		EUCALYPTUS TREE
	APPLE TREE		FIBER OPTIC FLAG
	BACKFLOW PREVENTER		FIBER OPTIC MARKER
	BANYAN TREE		FIRE HYDRANT
	BAY TREE		FLAG POLE
	BEECH TREE		FORCEMAIN FLAG
	BENCHMARK FOUND		FORCEMAIN MARKER
	BENCHMARK SET		FORCEMAIN VALVE
	BIRCH		GAS BLOWOFF
	BOLLARD		GAS FLAG
	BUSH		GAS MARKER
	CABLE TELEVISION RISER		GAS METER
	CACTUS		GAS VALVE
	CAMPHOR		GAS VENT
	CATCH BASIN ROUND		GAS WELL
	CATCH BASIN SQUARE		GENERATOR
	CEDAR		GOLDEN RAIN TREE
	CHINABERRY		GREASE MANHOLE
	CITRUS		GUY ANCHOR
	CLEANOUT		HANDICAP SYMBOL
	CONCRETE LIGHT POLE		HICKORY TREE
	CONCRETE MONUMENT FOUND		HOLLY
	CONCRETE MONUMENT SET		HOSE BIB
	CONCRETE UTILITY POLE		IRON PIPE FOUND
	CONCRETE UTILITY POLE WITH TRANSFORMER		IRON PIPE SET
	CREPE MYRTLE		IRON ROD FOUND
	CURB INLET		IRON ROD SET
	CURB INLET P-TOP		IRRIGATION CONTROL VALVE
	CYPRESS		IRRIGATION FLAG
	ELECTRIC CABINET		IRRIGATION WELL
	ELECTRIC FLAG		JUNIPER TREE
	ELECTRIC JUNCTION BOX		LEFT TURN SYMBOL
	ELECTRIC MARKER		LIGHT
	ELECTRIC METER		MAGNOLIA TREE
	ELECTRIC OUTLET		MAILBOX
	ELECTRIC PANEL		MANGROVE TREE
	ELECTRIC VAULT		MAPLE TREE
			METAL LIGHT POLE
			METAL UTILITY POLE
			METAL UTILITY POLE WITH TRANSMISSION
			MITERED END SECTION
			MONITORING WELL
			NAIL AND TAB FOUND
			NAIL AND TAB SET
			NAIL FOUND
			NAIL SET
			NGS MONUMENT
			OAK TREE
			OLEANDER BUSH
			PALM TREE
			PARK BENCH
			PEDESTRIAN SIGNAL POLE
			PINE TREE
			PK NAIL FOUND
			PK NAIL SET
			POST
			RR CROSSING GATE
			RR CROSSING SYMBOL
			RECLAIMED WATER FLAG
			RECLAIMED WATER MANHOLE
			RECLAIMED WATER VAULT
			RECLAIMED WATER MARKER
			RECLAIMED WATER METER
			RECLAIMED WATER VALVE
			ROCK
			ROOF DRAIN
			SANITARY SEWER FLAG
			SANITARY SEWER LIFT STATION
			SANITARY SEWER MANHOLE
			SANITARY SEWER MARKER
			SANITARY SEWER VALVE
			SANITARY SEWER VAULT
			SATELLITE DISH
			SIGN
			SPRINKLER
			STORM CONTROL STRUCTURE
			STORM SEWER FLAG
			STORM SEWER MANHOLE
			STORM SEWER PUMP STATION
			STORM SEWER MARKER
			STORM SEWER VAULT
			STUMP

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**DERBYSHIRE SIDEWALKS PHASE 1
THIRD STREET AND VINE STREET
100% PLANS
OVERALL DEMOLITION
& EROSION CONTROL PLAN**

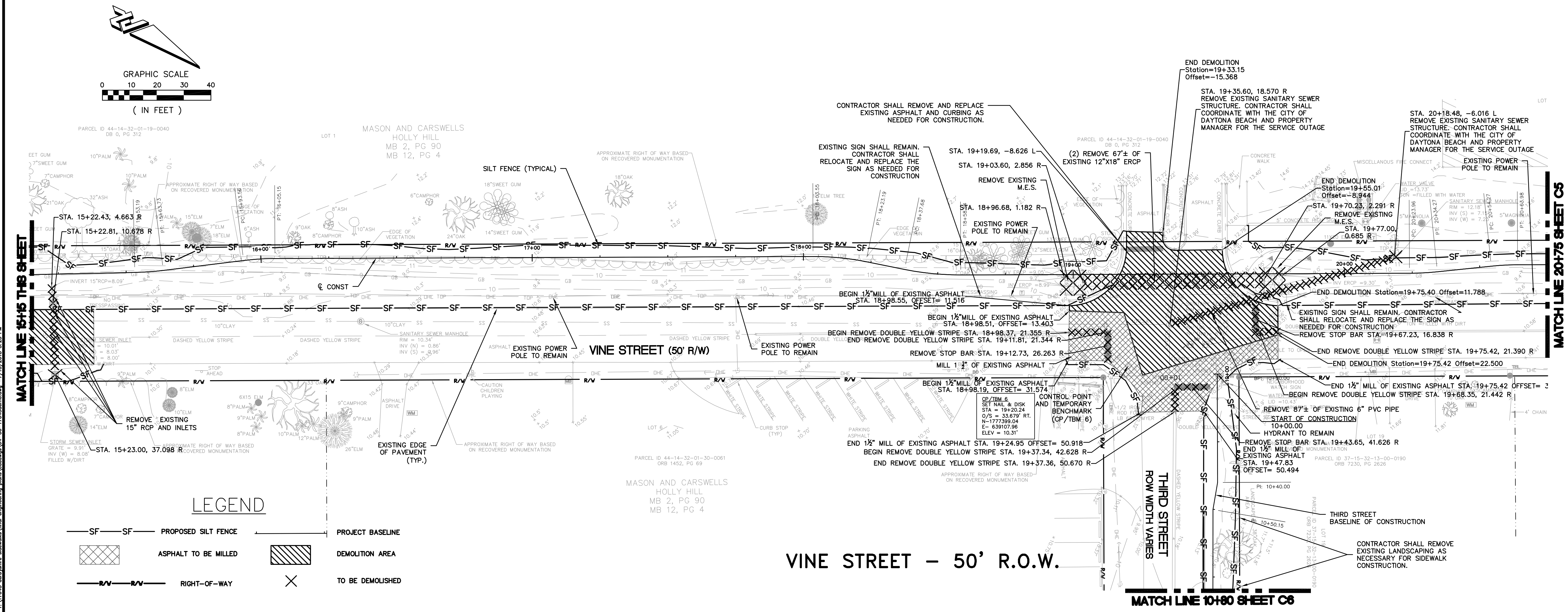
CITY OF DAYTONA BEACH

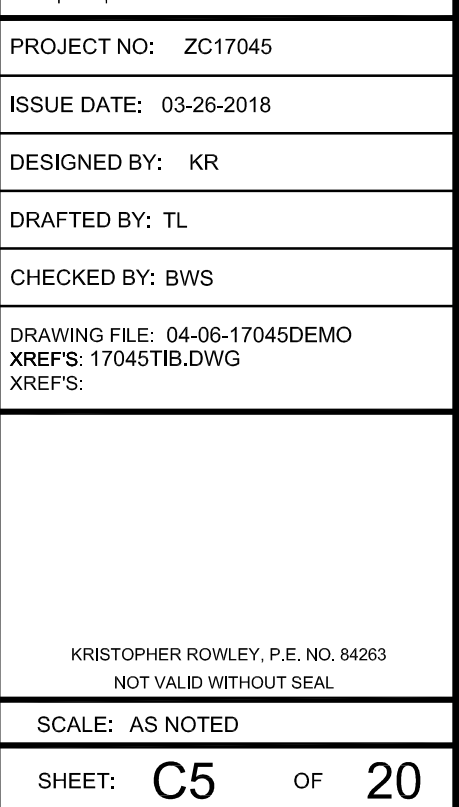
PROJECT NO: ZC17045
ISSUE DATE: 03-26-2018
DESIGNED BY: KR
DRAFTED BY: TL
CHECKED BY: BWS
DRAWING FILE: 03-17045ECP XREFS: 17045TIB.DWG XREFS:

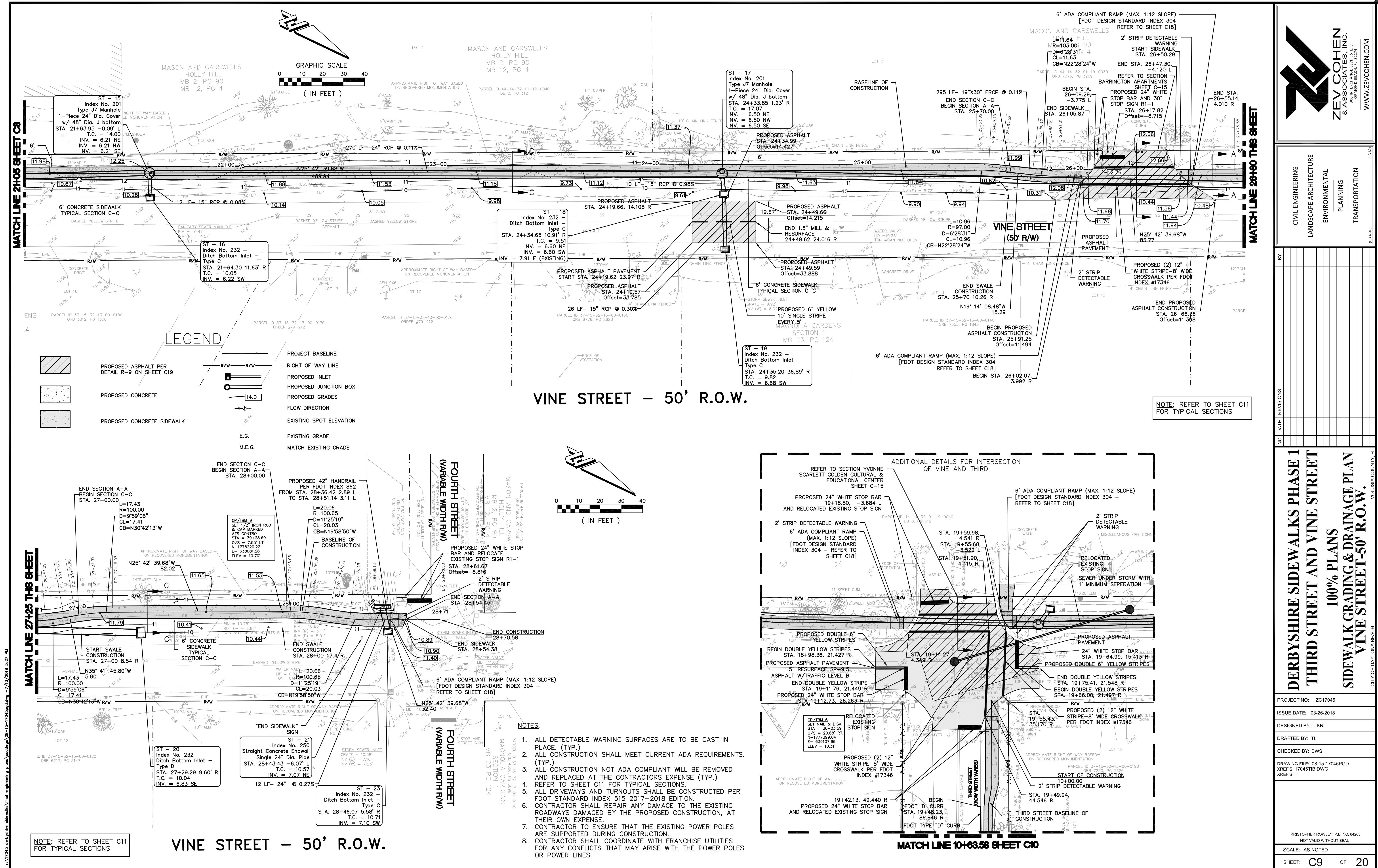
KRISTOPHER ROWLEY, P.E. NO. 84263
NOT VALID WITHOUT SEAL

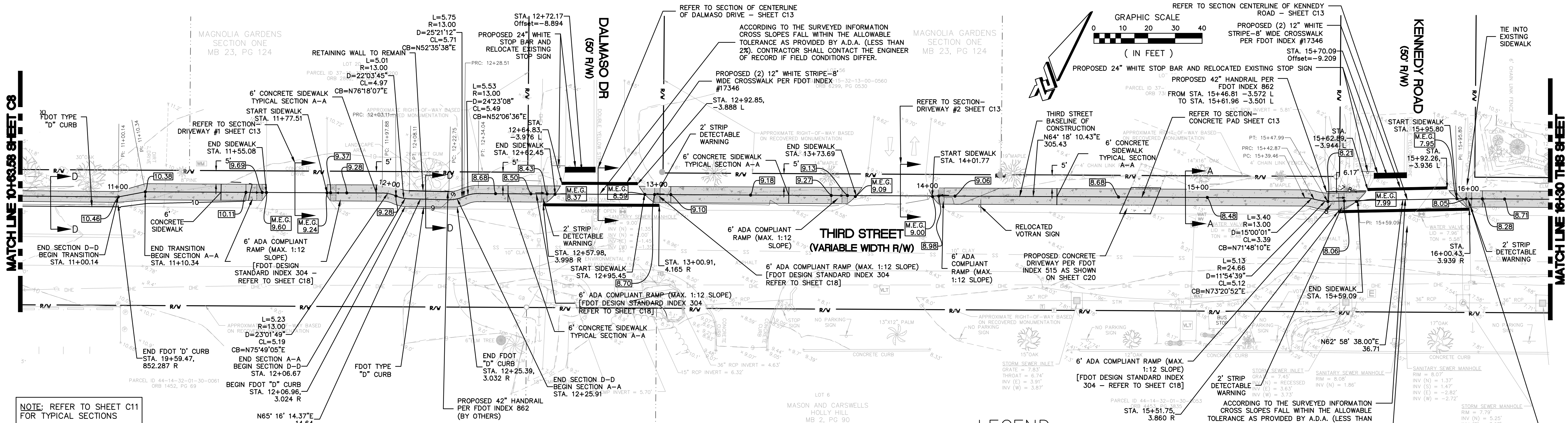
SCALE: AS NOTED

SHEET: C3 OF 20

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NOTE: REFER TO SHEET C11 FOR TYPICAL SECTIONS

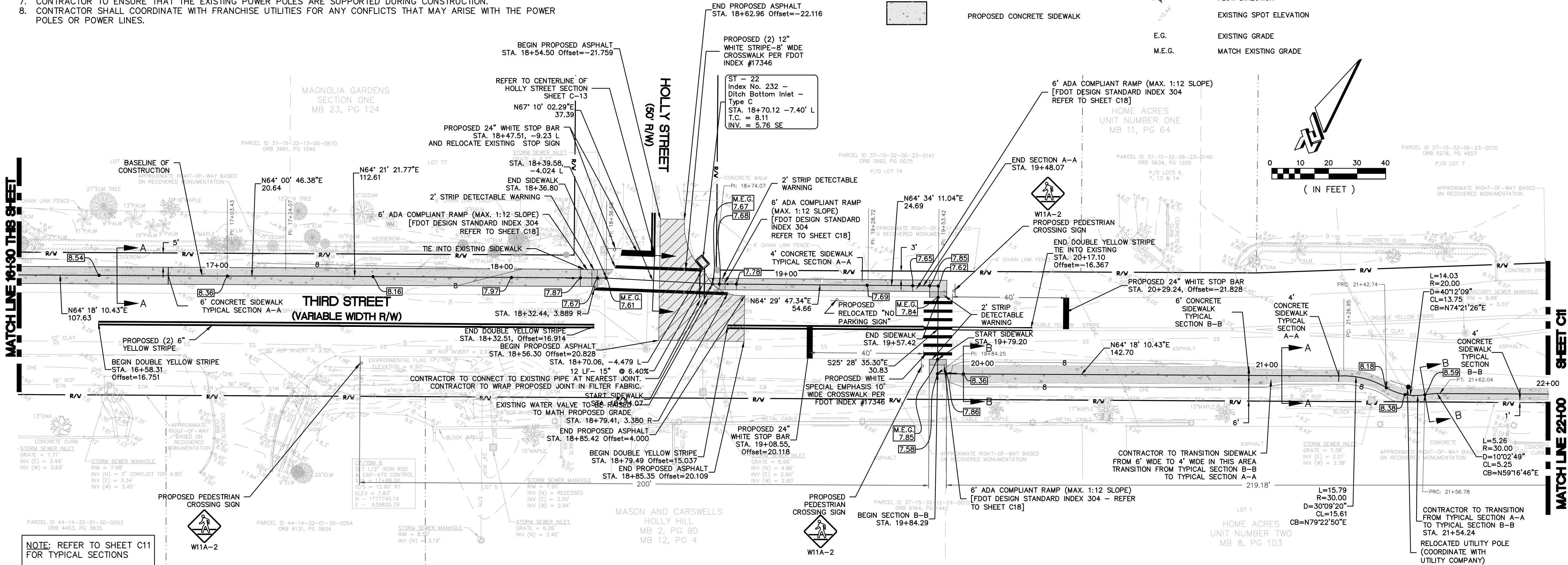
NOTES:

1. ALL DETECTABLE WARNING SURFACES ARE TO BE CAST IN PLACE. (TYP.)
2. ALL CONSTRUCTION SHALL MEET CURRENT ADA REQUIREMENTS. (TYP.)
3. ALL CONSTRUCTION NOT ADA COMPLIANT WILL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE (TYP.)
4. REFER TO SHEET C11 FOR TYPICAL SECTIONS.
5. ALL DRIVEWAYS AND TURNOUTS SHALL BE CONSTRUCTED PER FDOT STANDARD INDEX 515 2017-2018 EDITION.
6. CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE EXISTING ROADWAYS DAMAGED BY THE PROPOSED CONSTRUCTION, AT THEIR OWN EXPENSE.
7. CONTRACTOR TO ENSURE THAT THE EXISTING POWER POLES ARE SUPPORTED DURING CONSTRUCTION.
8. CONTRACTOR SHALL COORDINATE WITH FRANCHISE UTILITIES FOR ANY CONFLICTS THAT MAY ARISE WITH THE POWER POLES OR POWER LINES.

THIRD STREET - R.O.W. WIDTH VARIES

LEGEND

- | | | | |
|--|--|--|-------------------------|
| | PROPOSED ASPHALT PER DETAIL R-9 ON SHEET C19 | | PROJECT BASELINE |
| | PROPOSED CONCRETE | | RIGHT OF WAY LINE |
| | PROPOSED CONCRETE SIDEWALK | | PROPOSED INLET |
| | | | PROPOSED JUNCTION BOX |
| | | | PROPOSED GRADES |
| | | | FLOW DIRECTION |
| | | | EXISTING SPOT ELEVATION |
| | | | EXISTING GRADE |
| | | | MATCH EXISTING GRADE |



NOTE: REFER TO SHEET C11 FOR TYPICAL SECTIONS

THIRD STREET - R.O.W. WIDTH VARIES



CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL
PLANNING
TRANSPORTATION

DERBYSHIRE SIDEWALKS PHASE 1
THIRD STREET AND VINE STREET
100% PLANS
SIDEWALK GRADING & DRAINAGE PLAN
THIRD STREET-R.O.W. WIDTH VARIES

PROJECT NO:	ZC17045
ISSUE DATE:	11/20/2018
DESIGNED BY:	KL
DRAFTED BY:	TR
CHECKED BY:	BWS
DRAWING FILE:	08-15-17045PGD
XREFS:	17045.DWG
XREFS:	
SCALE:	AS NOTED
SHEET:	C10 OF 20

Figure 1: Typical Cross Section of Roadway

PROPOSED ASPHALT PER DETAIL R-9 ON SHEET C19

PROPOSED CONCRETE

EXISTING GRADE

PROPOSED CONCRETE SIDEWALK

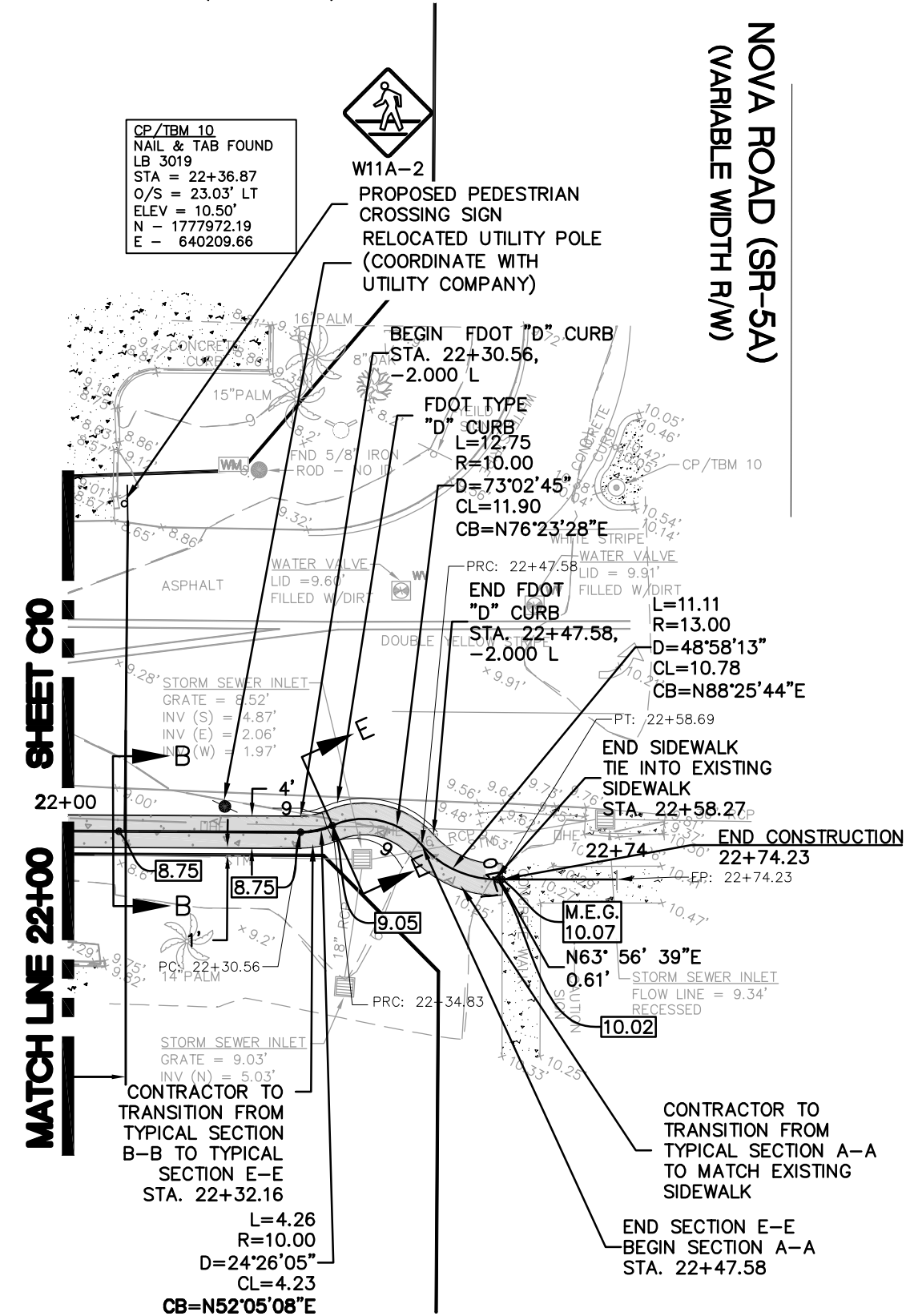
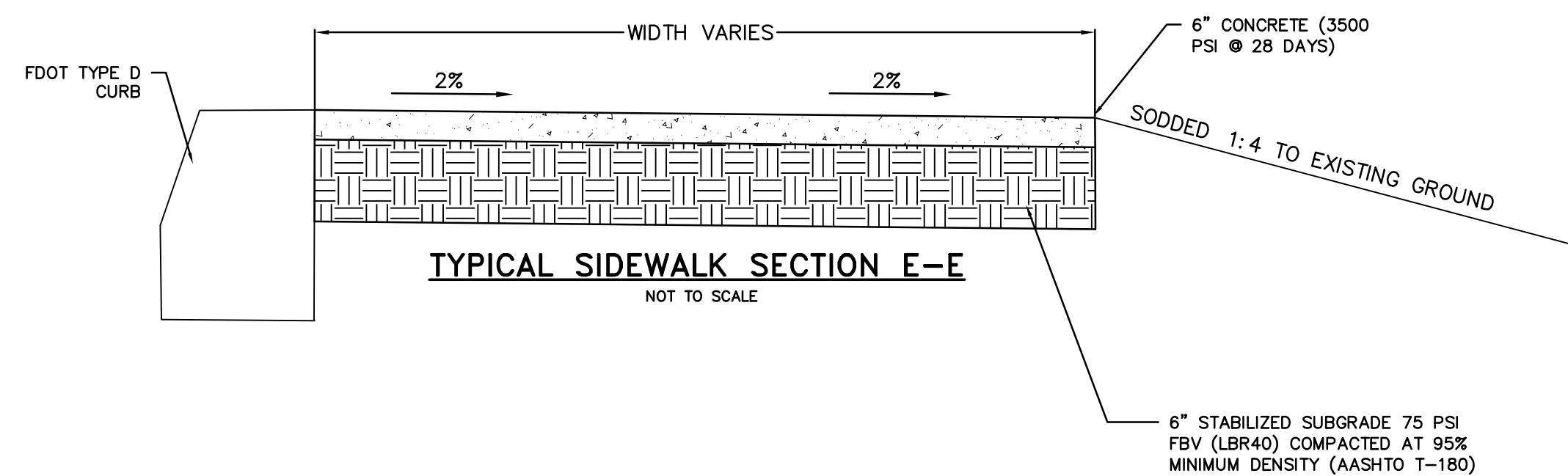
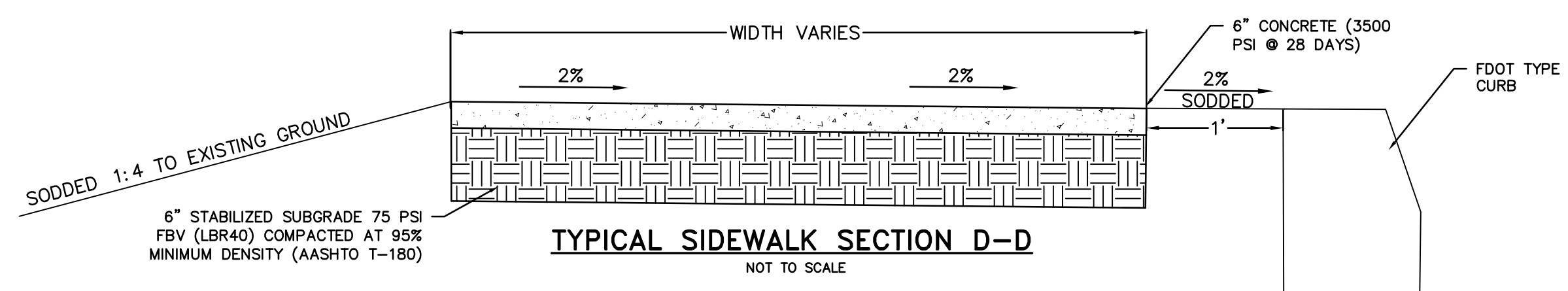
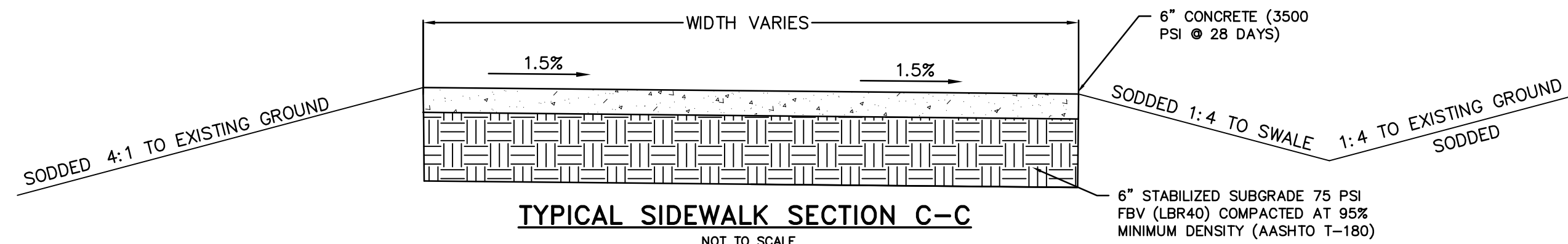
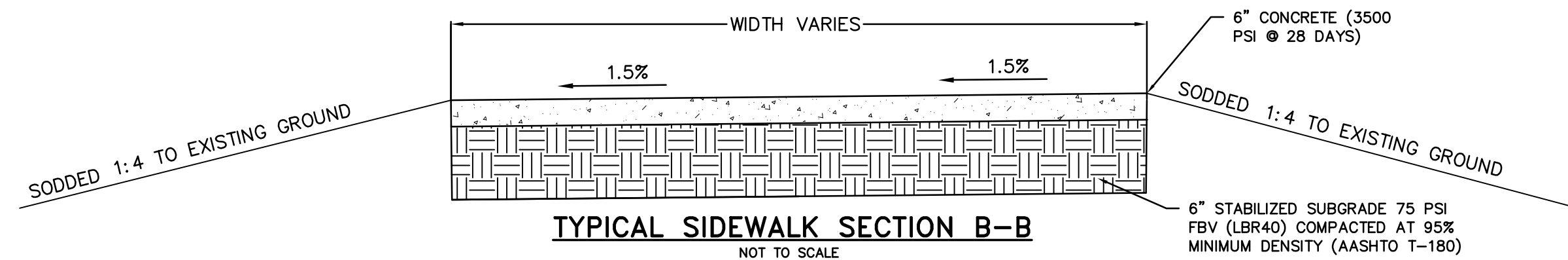
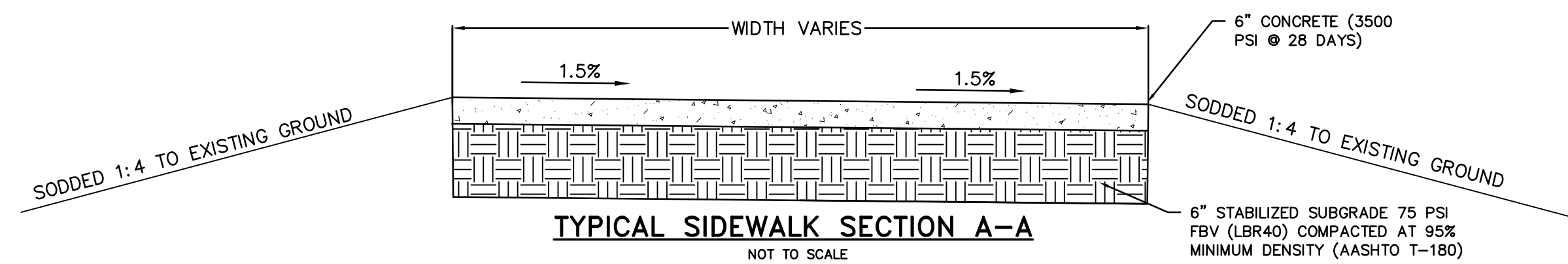
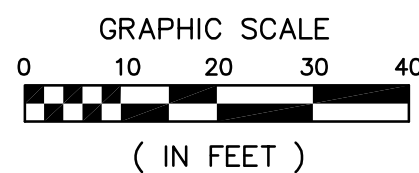
PROJECT BASELINE

RIGHT OF WAY

PROPOSED GRADE

MATCH EXISTING GRADE

EXISTING SPOT ELEVATION



NOTES:

1. ALL DETECTABLE WARNING SURFACES ARE TO BE CAST IN PLACE. (TYP.)
2. ALL CONSTRUCTION SHALL MEET CURRENT ADA REQUIREMENTS. (TYP.)
3. ALL CONSTRUCTION NOT ADA COMPLIANT WILL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE (TYP.)
4. REFER TO SHEET C11 FOR TYPICAL SECTIONS.
5. ALL DRIVEWAYS AND TURNOUTS SHALL BE CONSTRUCTED PER FDOT STANDARD INDEX 515 2017-2018 EDITION.
6. CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE EXISTING ROADWAYS DAMAGED BY THE PURPOSE OF CONSTRUCTION, AT THEIR OWN EXPENSE.
7. CONTRACTOR SHALL ENSURE THAT THE EXISTING POWER POLES ARE SUPPORTED DURING CONSTRUCTION.
8. CONTRACTOR SHALL COORDINATE WITH FRANCHISE UTILITIES FOR ANY CONFLICTS THAT MAY ARISE WITH THE POWER POLES OR POWER LINES.



**ZEV COHEN
& ASSOCIATES, INC.**
3000 PERMANENCE BLVD., SUITE 100
ORMOND BEACH, FL 32174
WWW.ZEVCOHEN.COM

CIVIL ENGINEERING

LANDSCAPE ARCHITECTURE

ENVIRONMENTAL
PLANNING

TRANSPORTATION

[illegible]

**DERBYSHIRE SIDEWALKS PHASE 1
THIRD STREET AND VINE STREET
100% PLANS
SIDEWALK GRADING & DRAINAGE PLAN
THIRD STREET-R.O.W. WIDTH VARIES**

PROJECT NO: ZC17045
ISSUE DATE: 03-26-2018
DESIGNED BY: KR
DRAFTED BY: TL
CHECKED BY: BWS
DRAWING FILE: 08-15-17045PGD XREF'S: 17045TIB.DWG XREF'S:

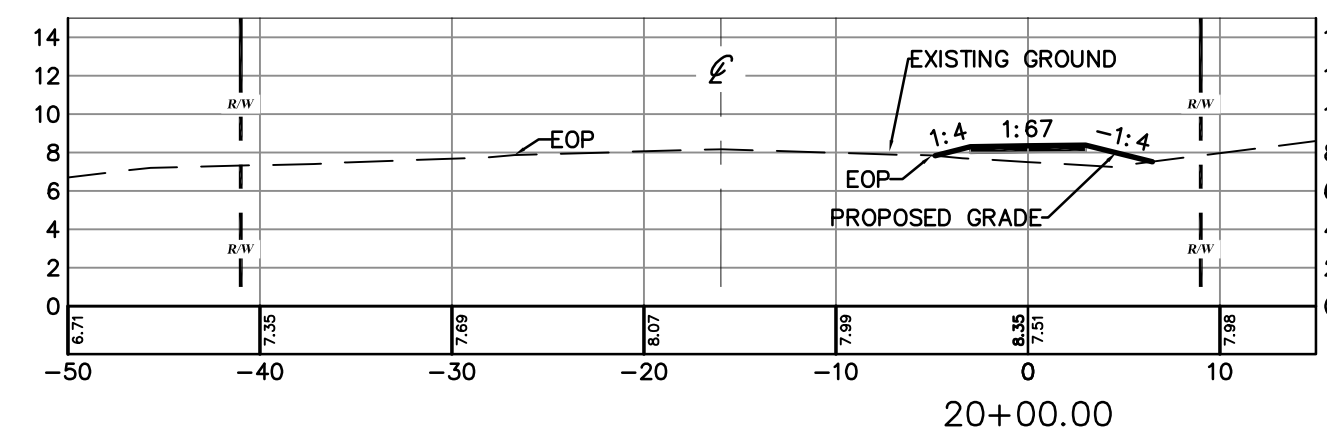
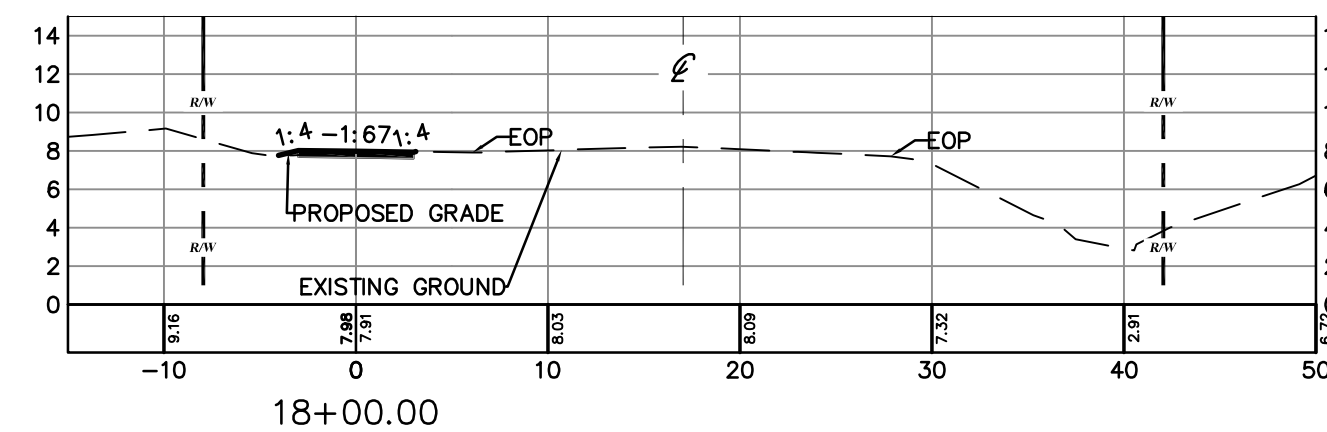
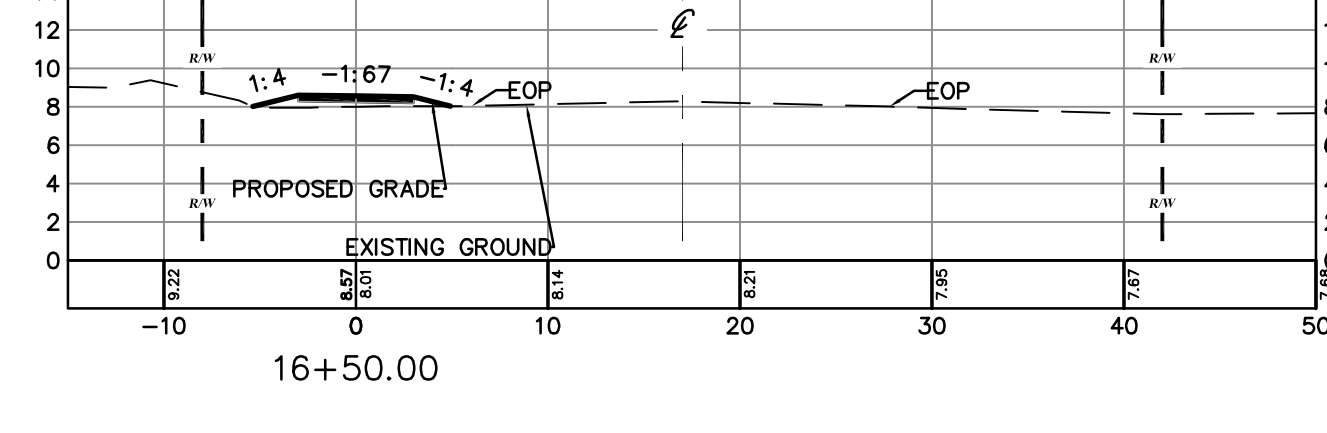
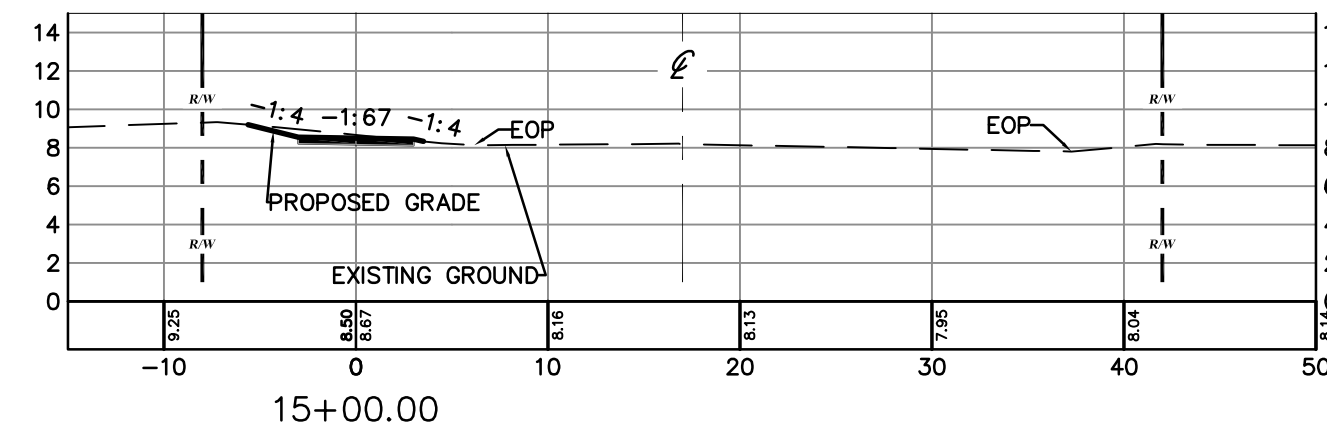
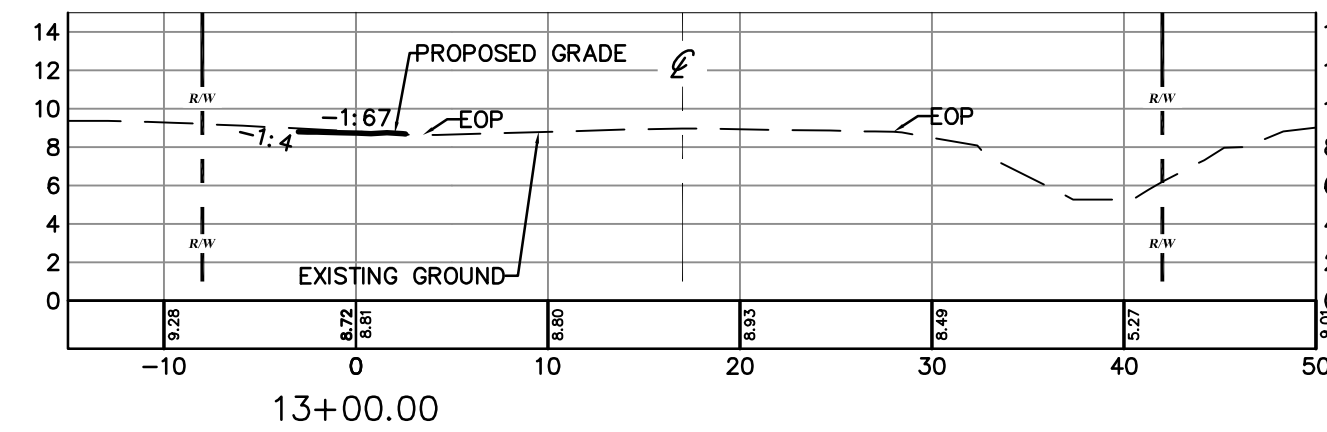
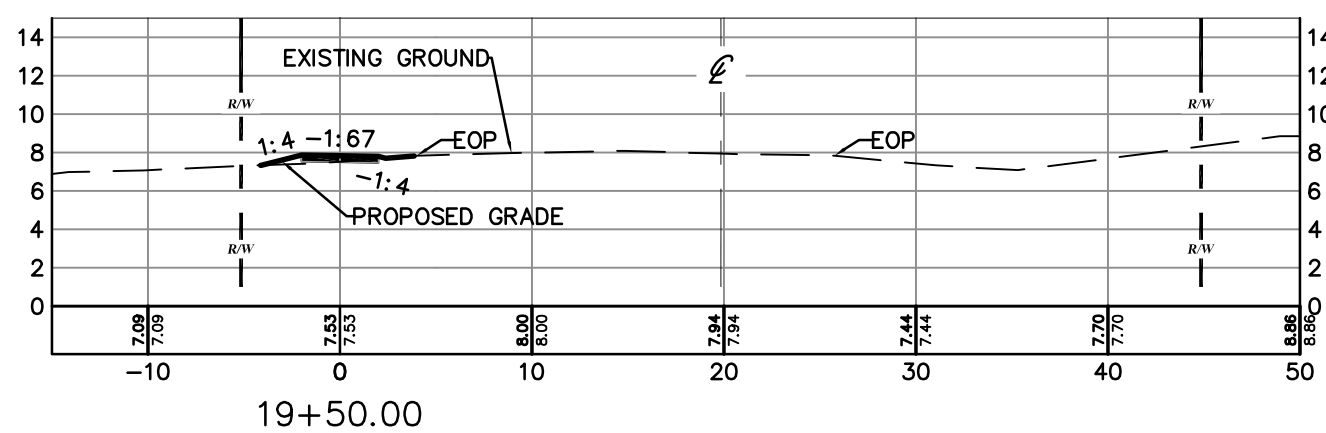
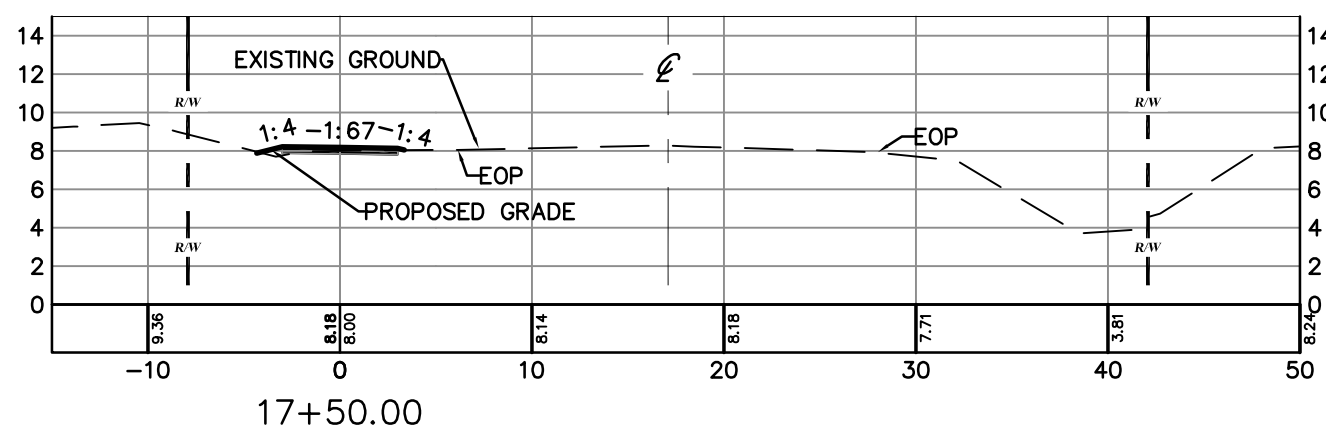
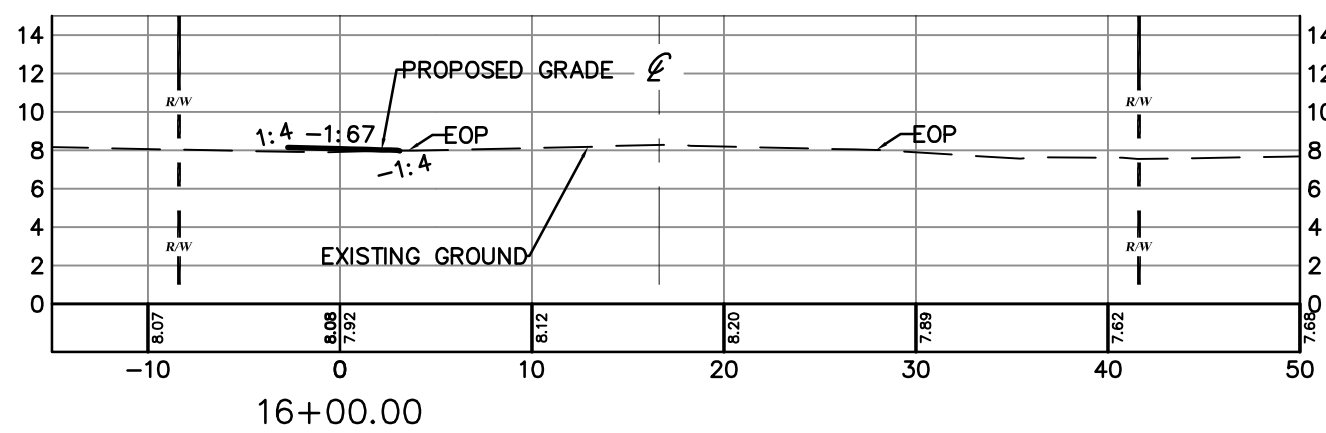
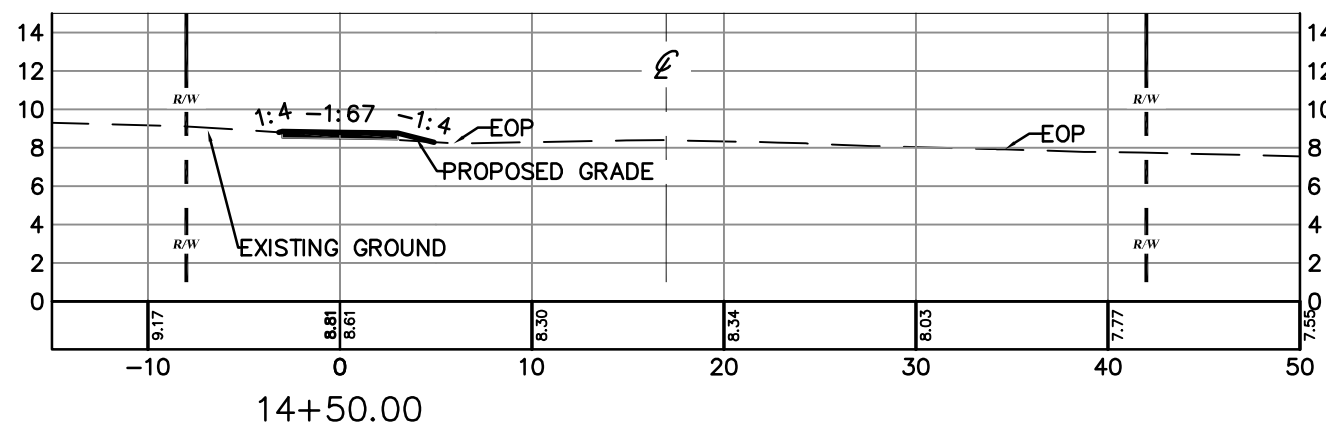
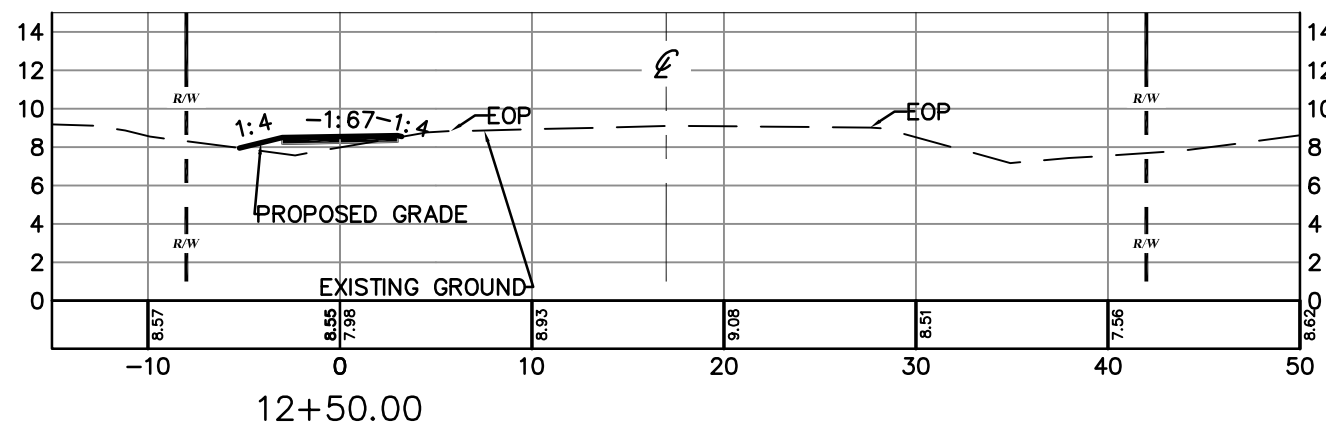
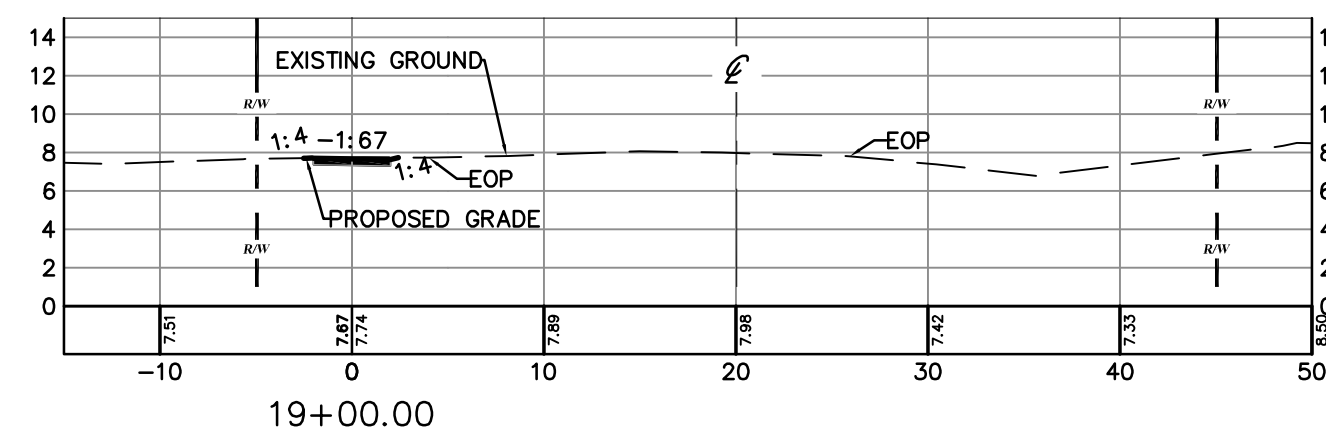
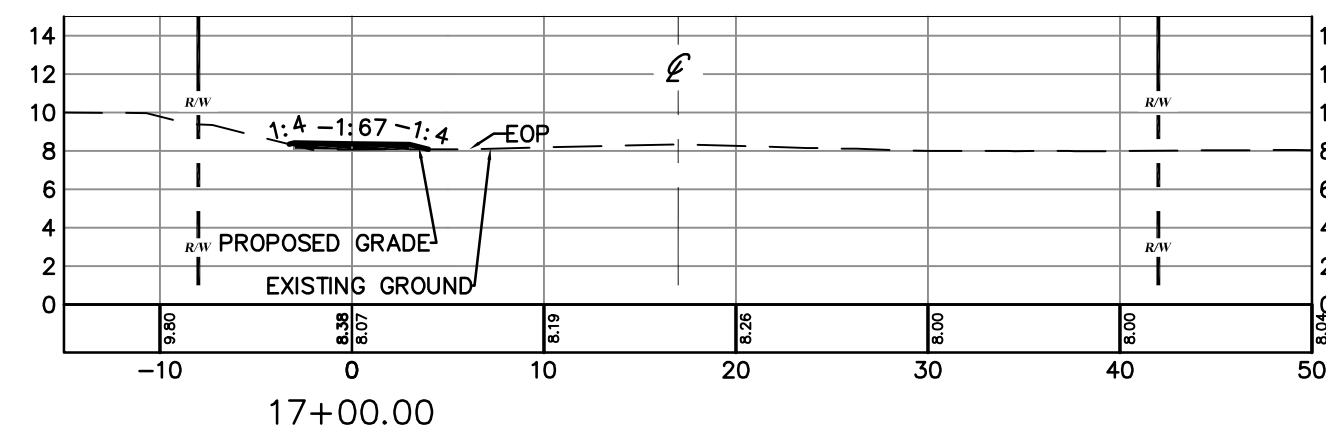
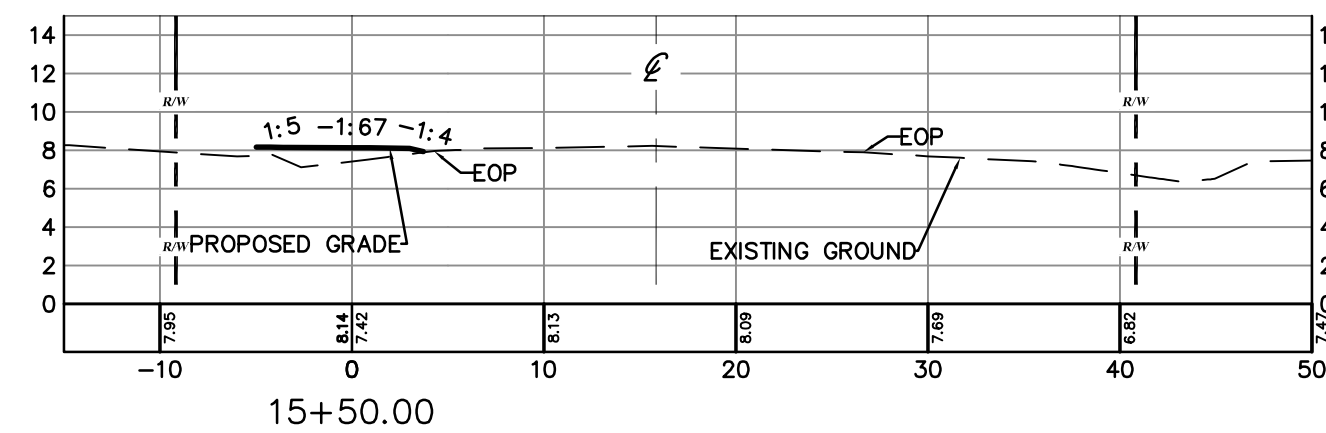
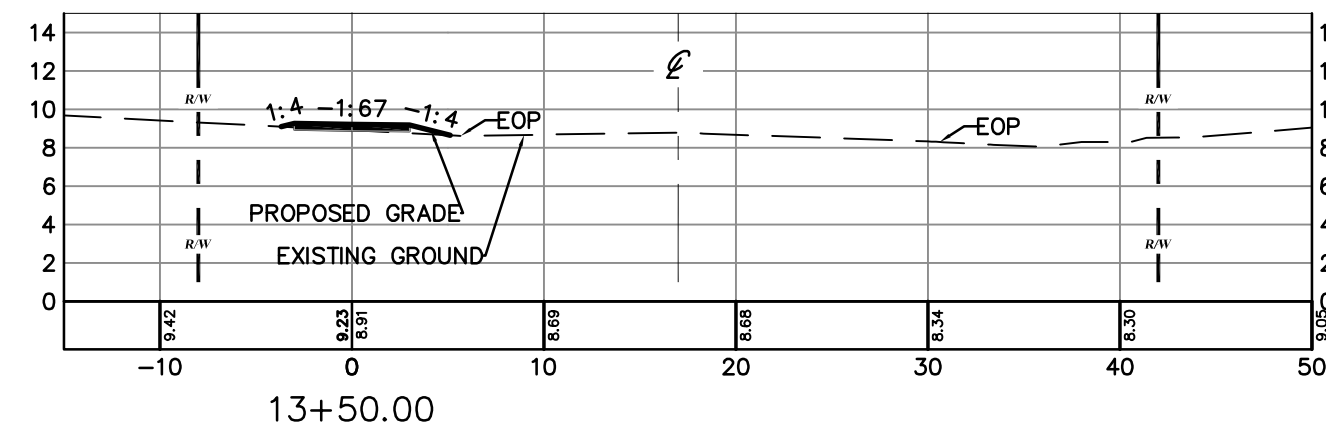
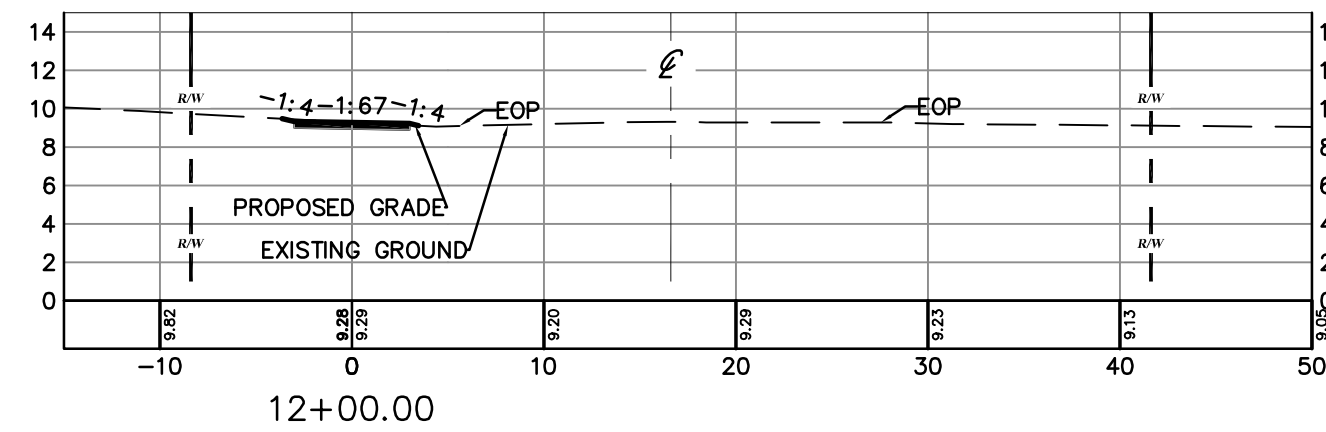
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NOT VALID WITHOUT SEAL

SCALE: AS NOTED

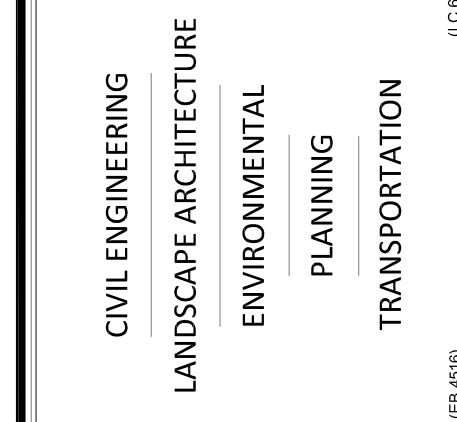
SHEET: C11 OF 20

LEGEND

- RIGHT OF WAY LINE
- CENTERLINE OF RIGHT OF WAY
- EDGE OF PAVEMENT
- PROPOSED SLOPE
- PROPOSED GRADE
- EXISTING GRADE



SCALE : HORIZ. 1" = 10'
VERT. 1" = 10'

[illegible]

**DERBYSHIRE SIDEWALKS PHASE 1
THIRD STREET AND VINE STREET
100% PLANS
THIRD STREET SIDEWALK SECTIONS**

PROJECT NO:	ZC17045
ISSUE DATE:	03-26-2018
DESIGNED BY:	KR
DRAFTED BY:	TL
CHECKED BY:	BWS
DRAWING FILE: 08-15-17045PGD XREF'S: 17045TIB.DWG XREF'S:	

KRISTOPHER ROWLEY, P.E. NO. 84263
NOT VALID WITHOUT SEAL

SCALE: AS NOTED

SHEET: C12 OF 20

LEGEND

R/W RIGHT OF WAY LINE

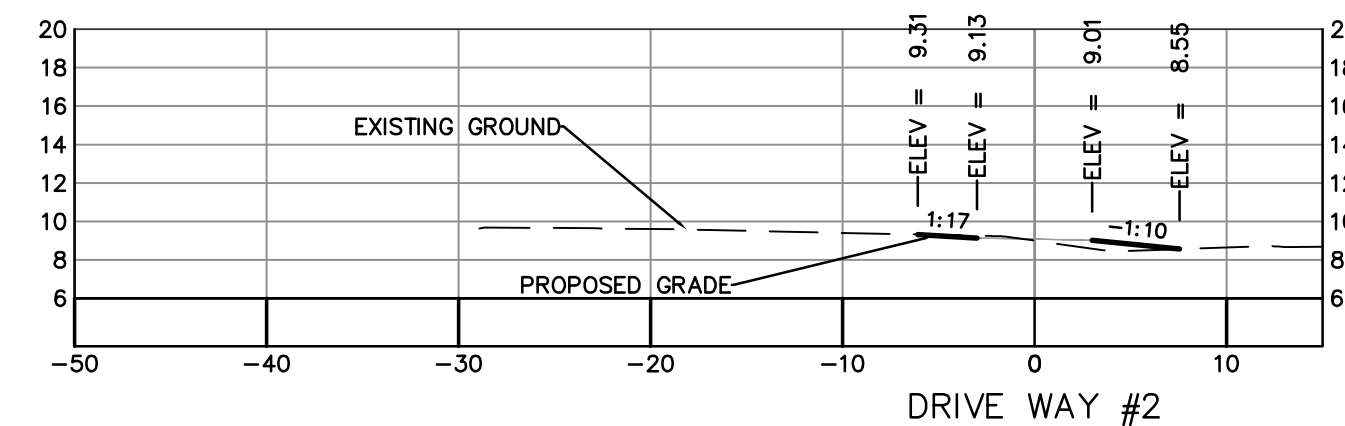
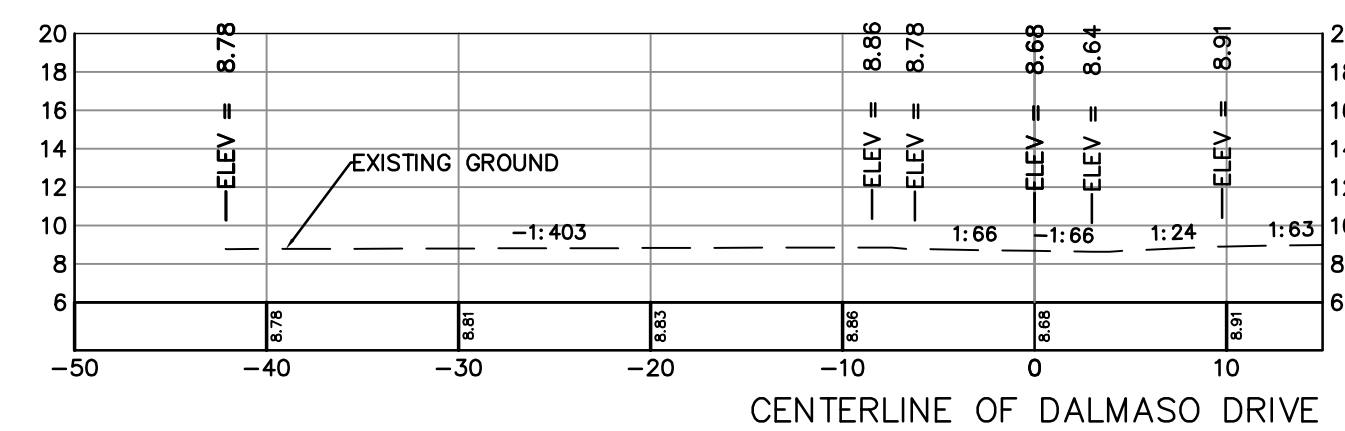
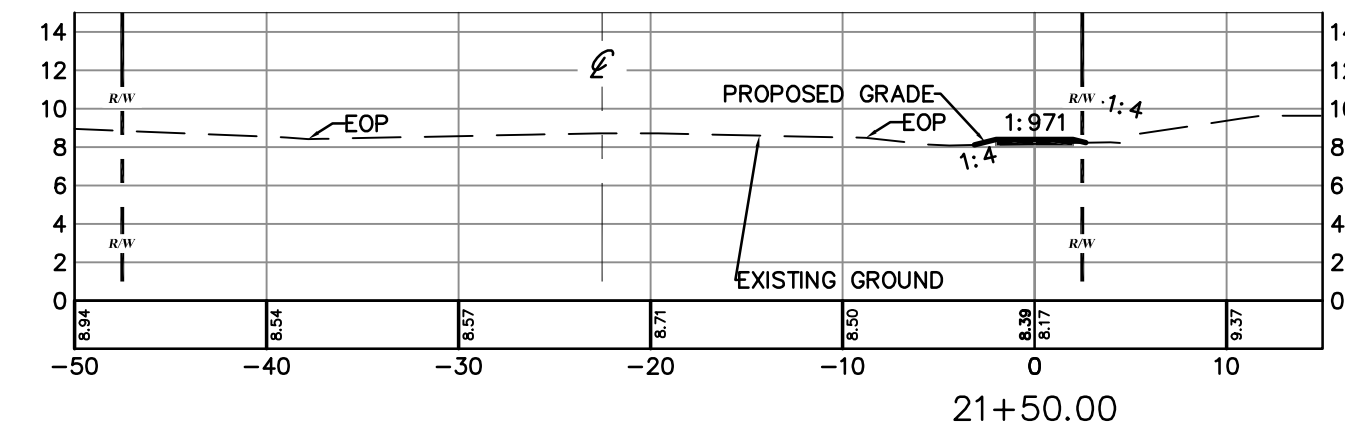
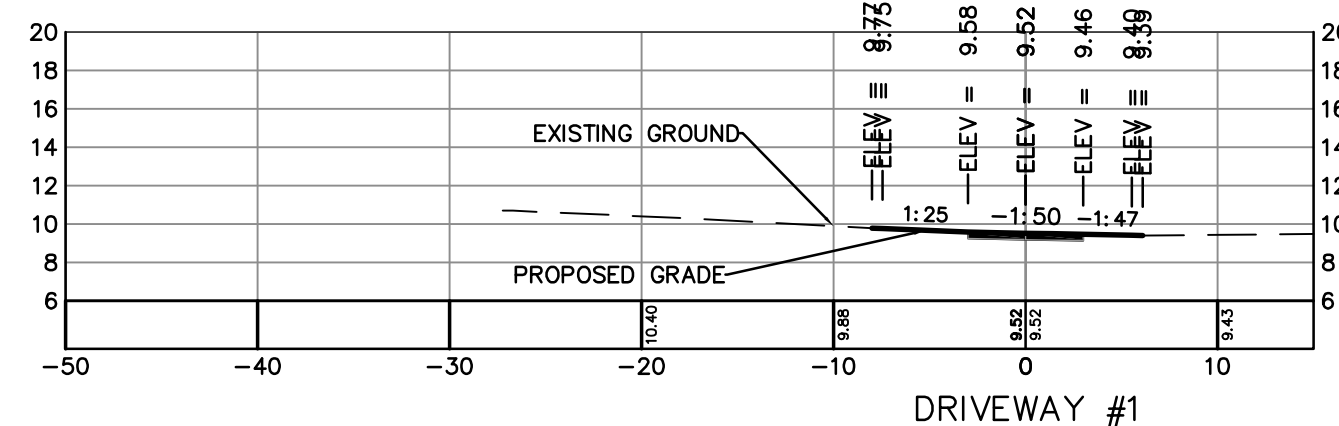
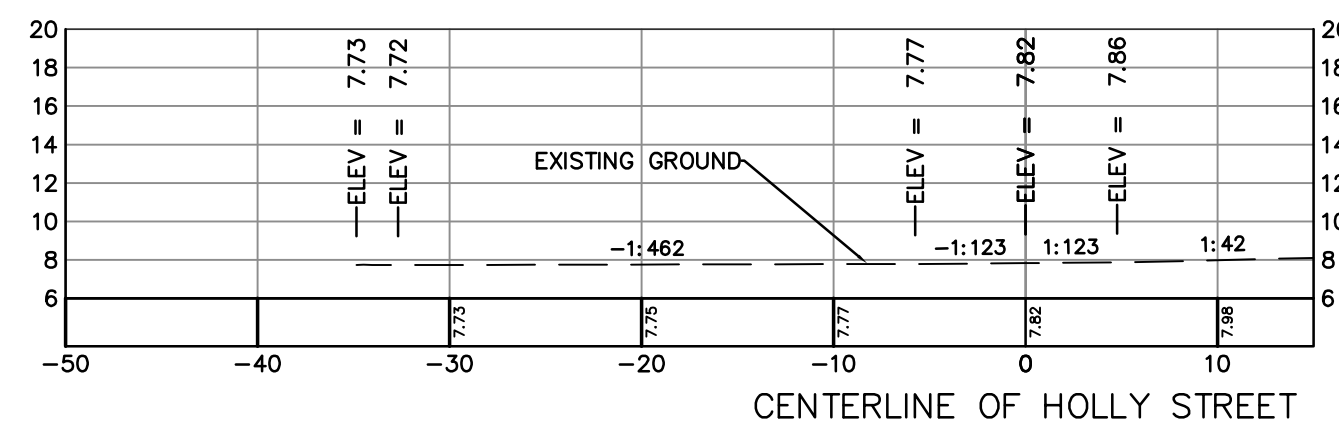
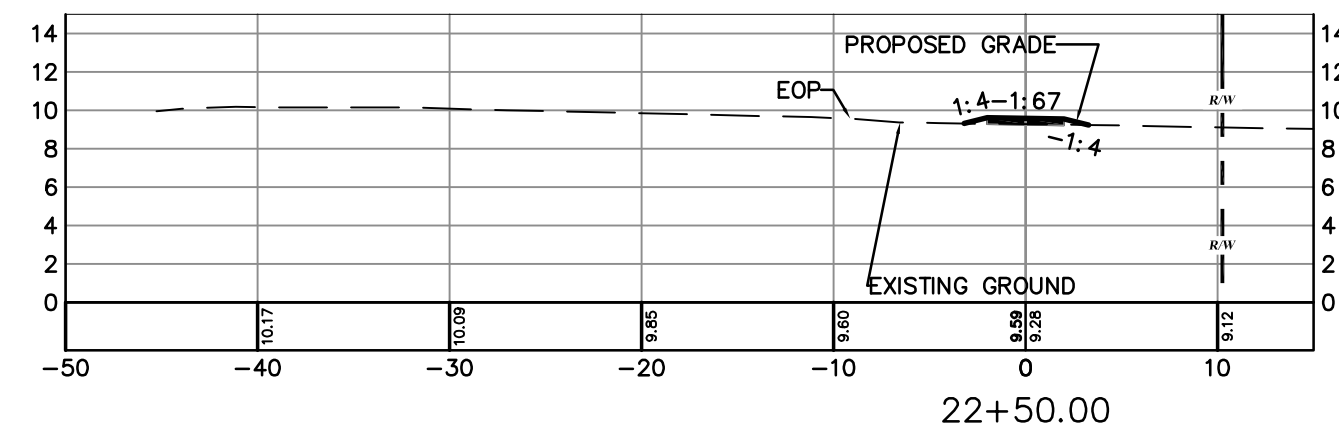
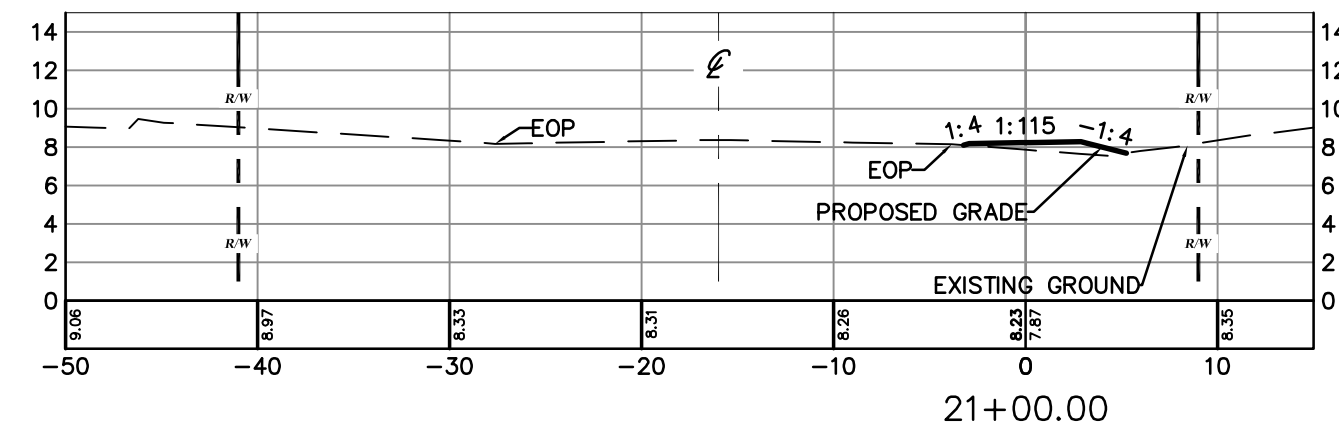
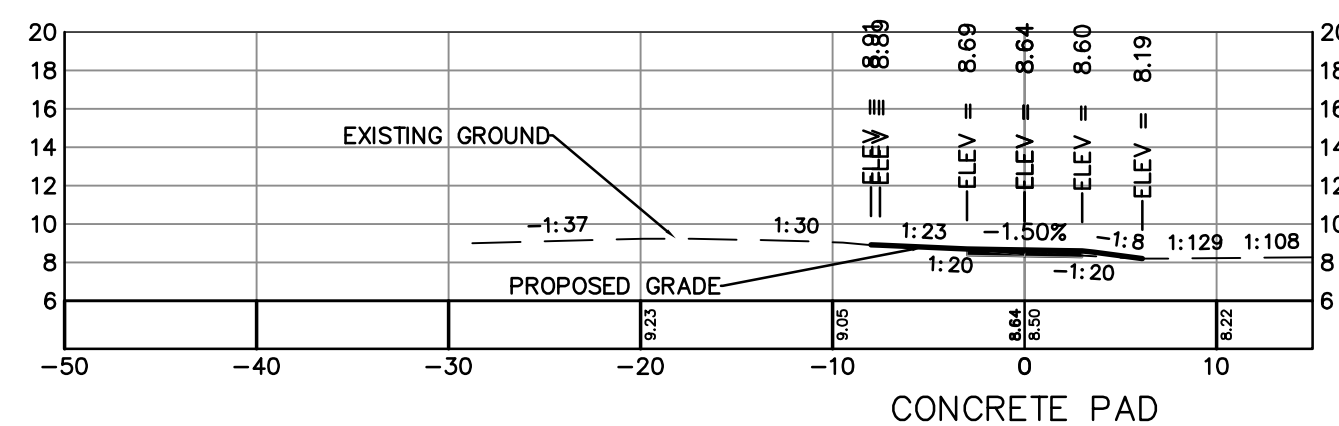
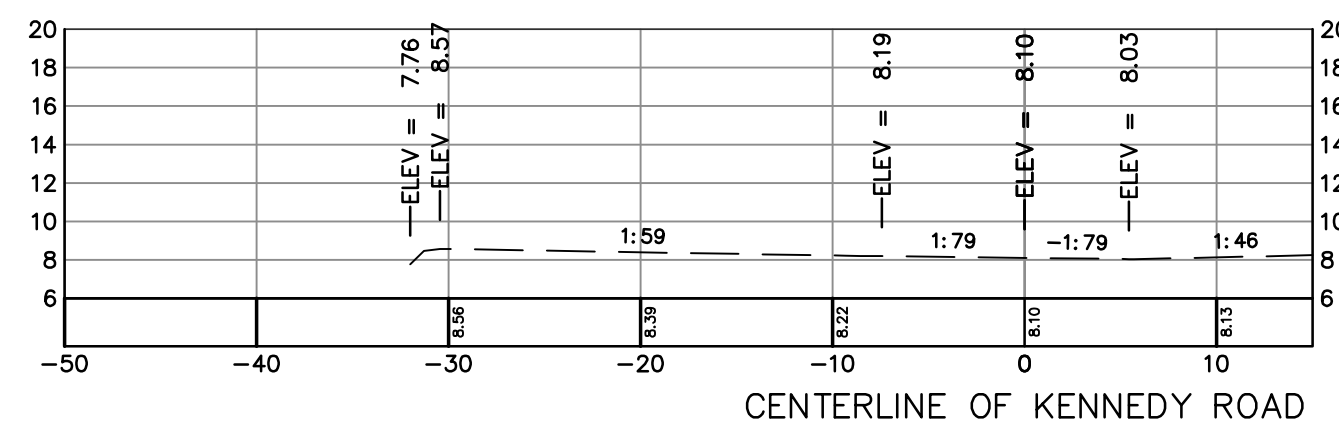
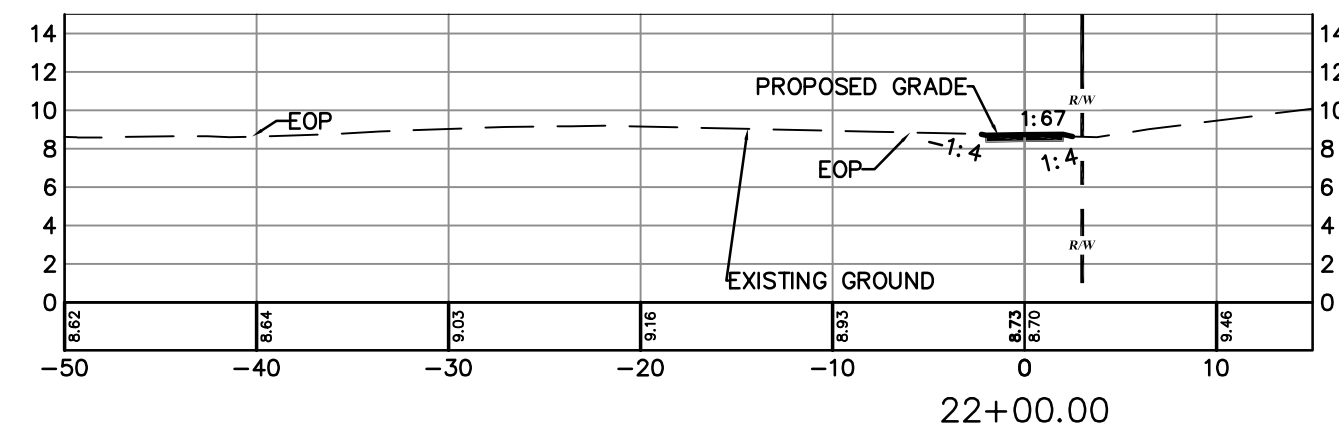
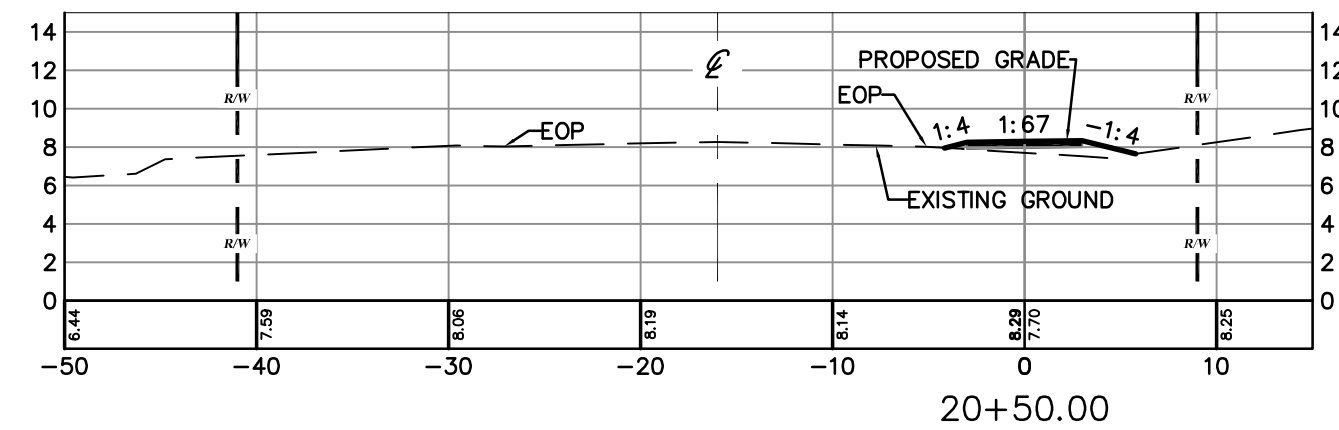
CENTERLINE OF RIGHT OF WAY

EOP EDGE OF PAVEMENT

1:4 PROPOSED SLOPE

 PROPOSED GRADE

— — — EXISTING GRADE



THIRD STREET – SIDEWALK SECTIONS

SCALE : HORIZ. 1" = 10'
VERT. 1" = 10'



CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL
PLANNING
TRANSPORTATION

[illegible]

**DERBYSHIRE SIDEWALKS PHASE 1
THIRD STREET AND VINE STREET
100% PLANS
THIRD STREET SIDEWALK SECTIONS**

PROJECT NO: ZC17045

ISSUE DATE: 03-26-2018

DESIGNED BY: KR

DRAFTED BY: TL

CHECKED BY: BWS

DRAWING FILE: 08-15-17045PGD
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XREF'S:

KRISTOPHER ROWLEY, P.E. NO. 84263
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SCALE: AS NOTED

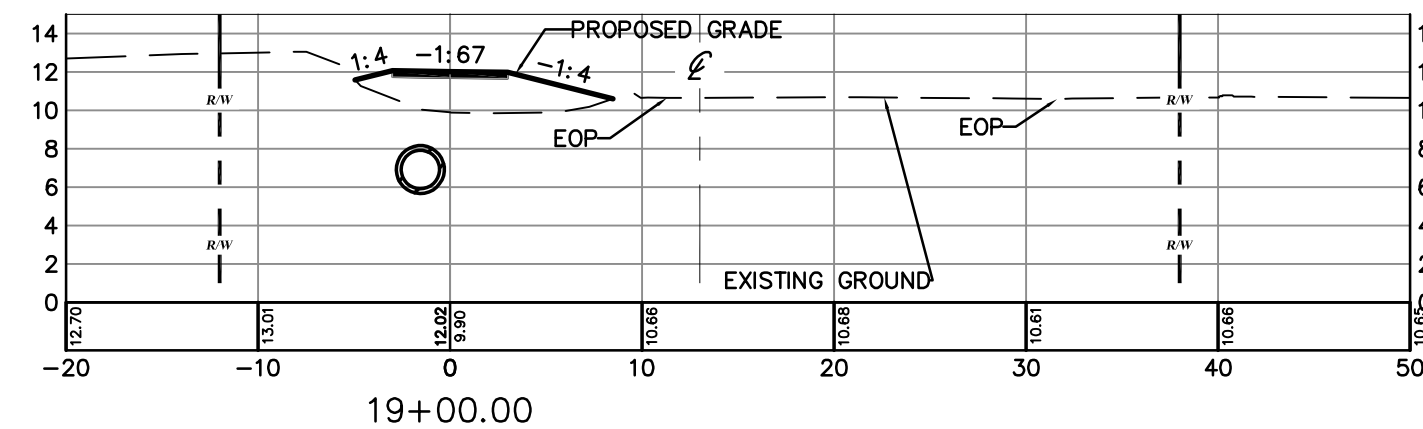
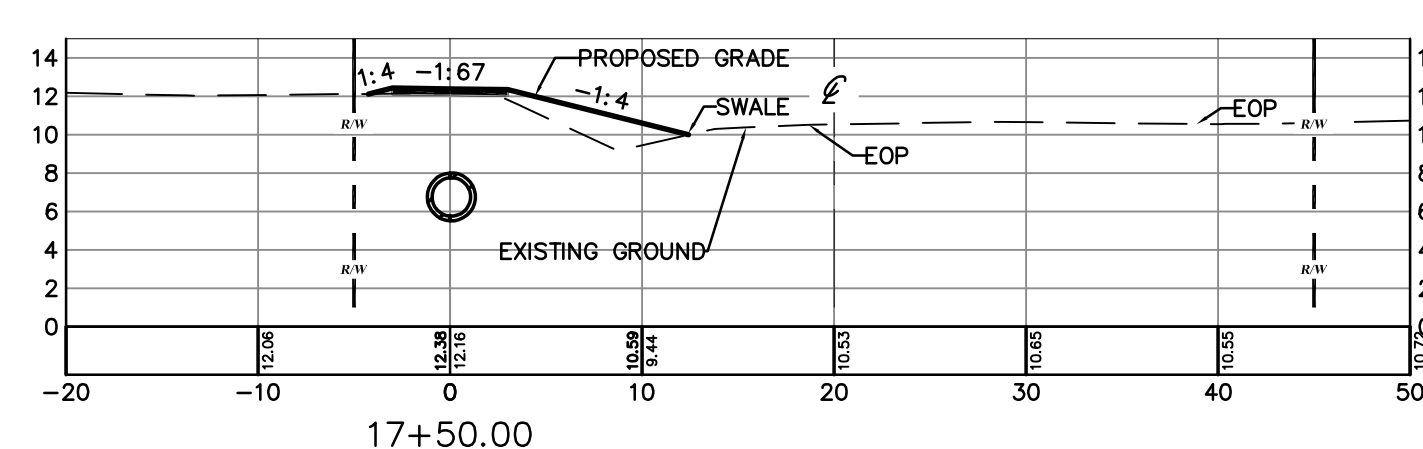
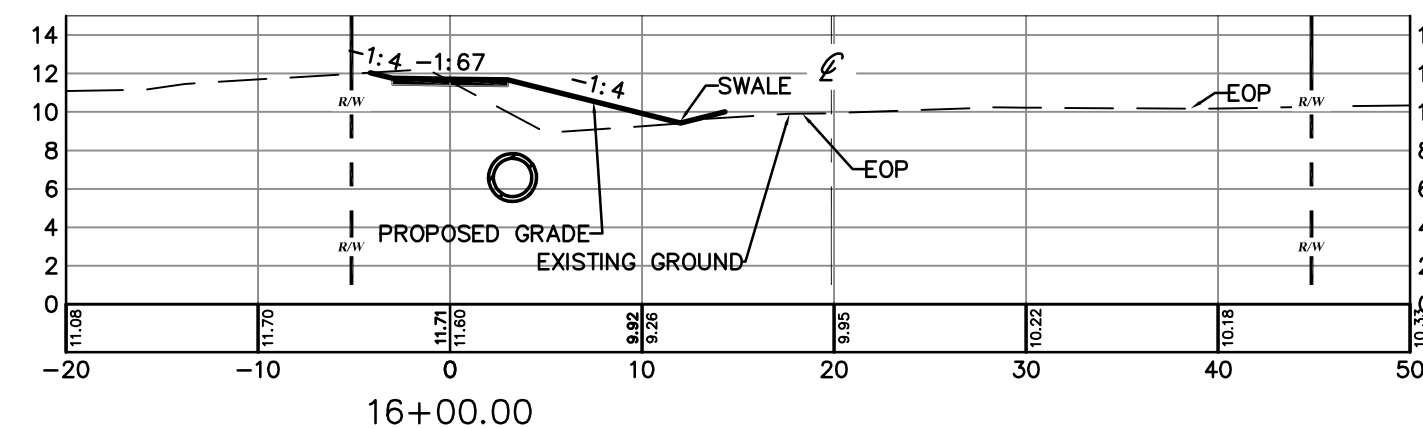
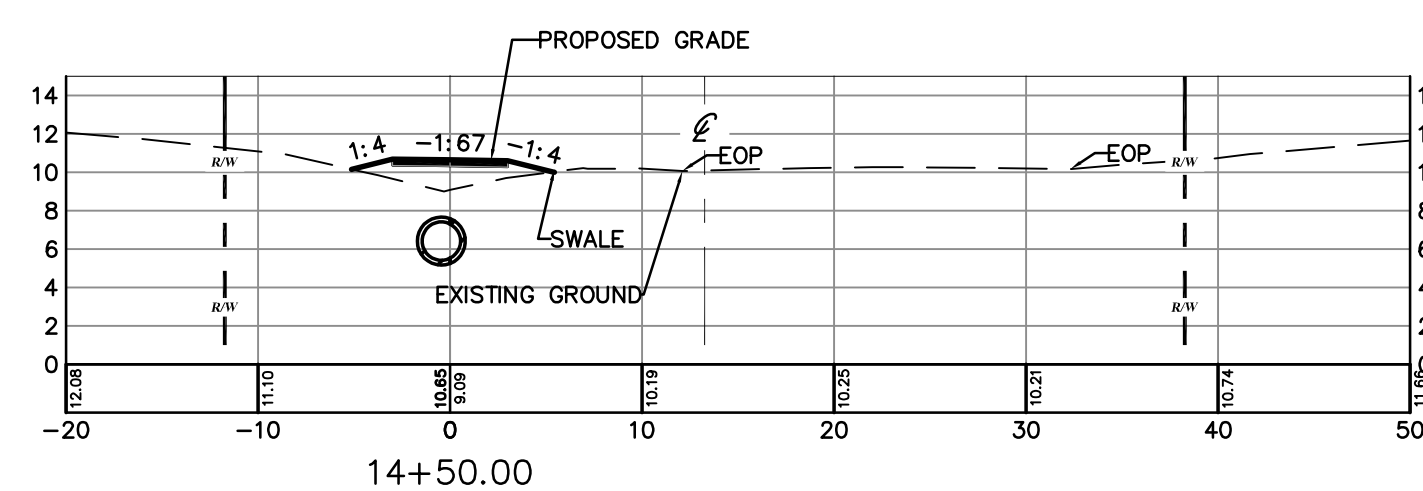
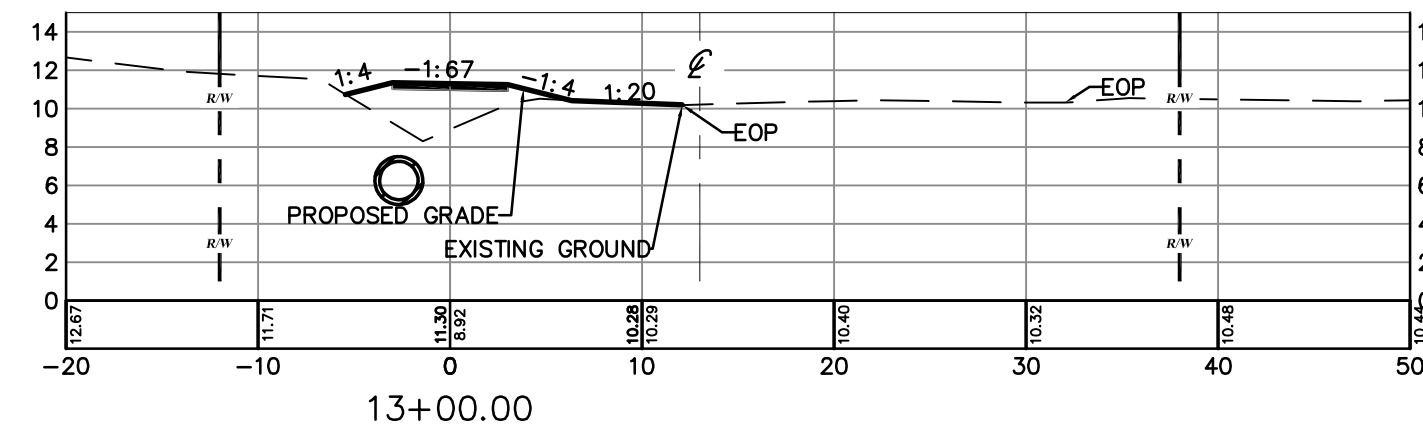
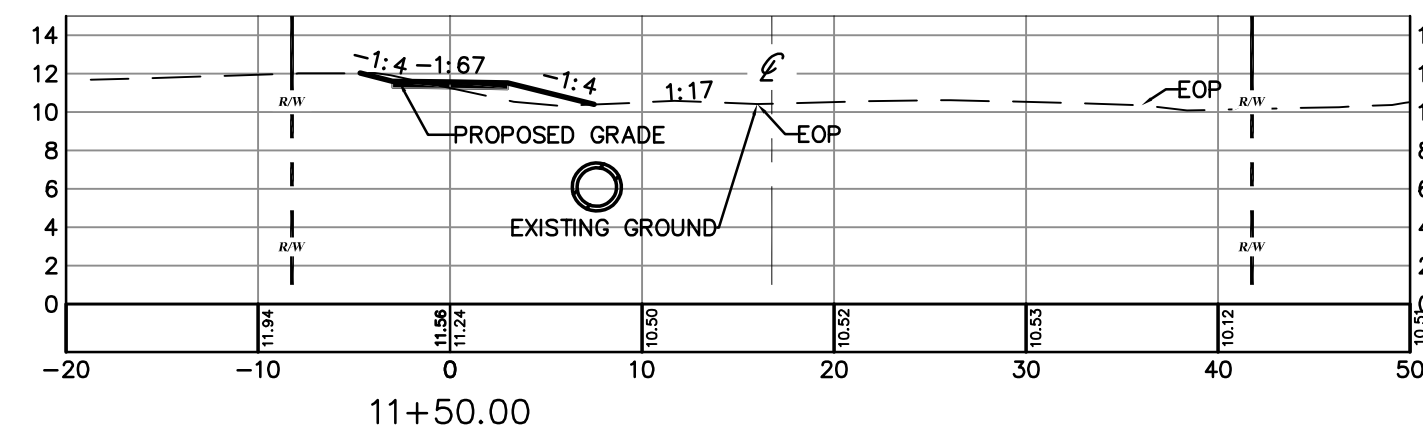
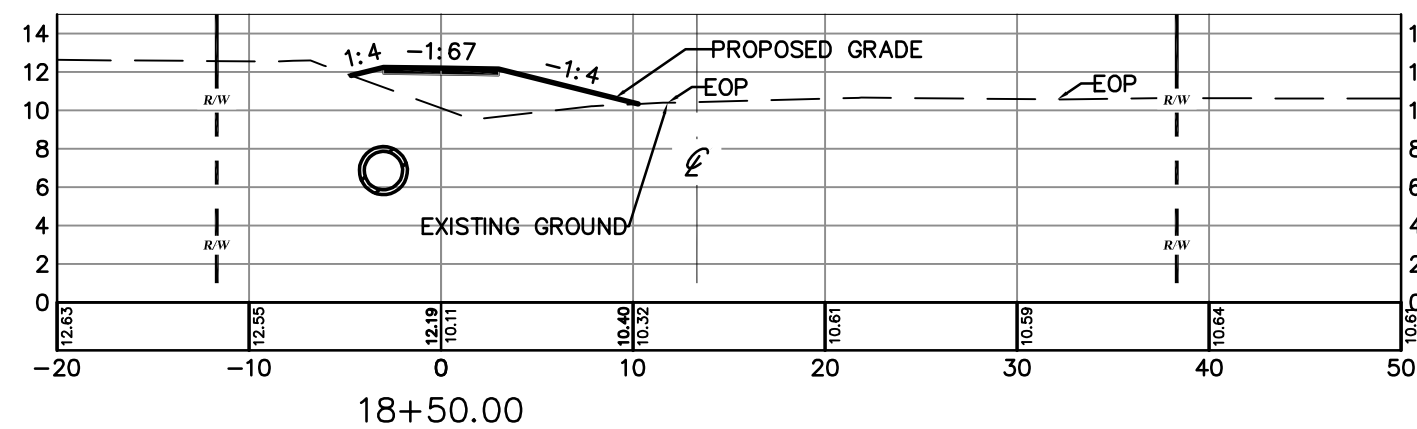
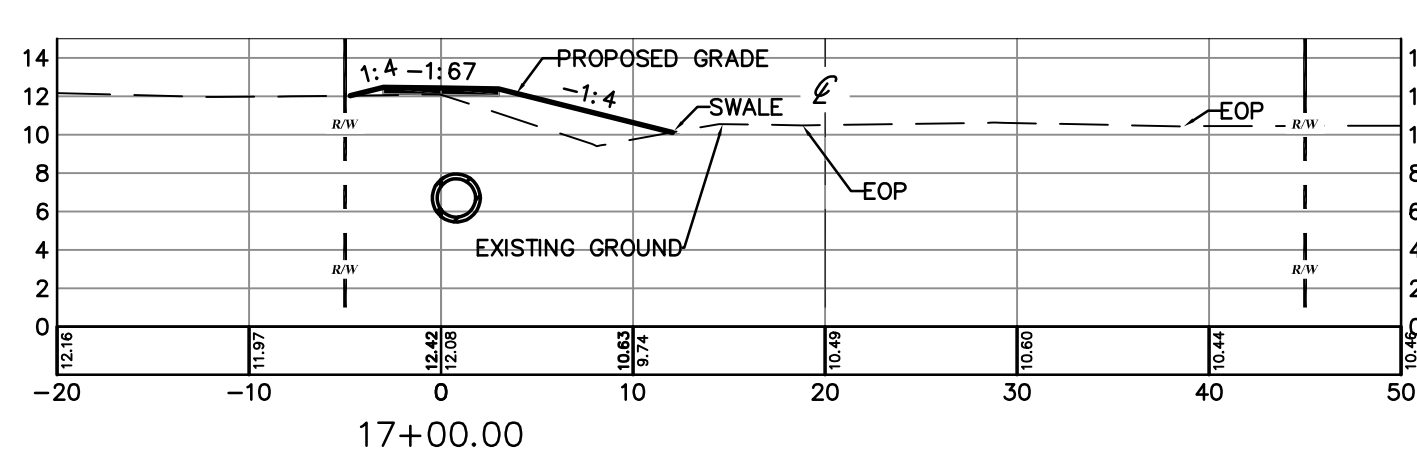
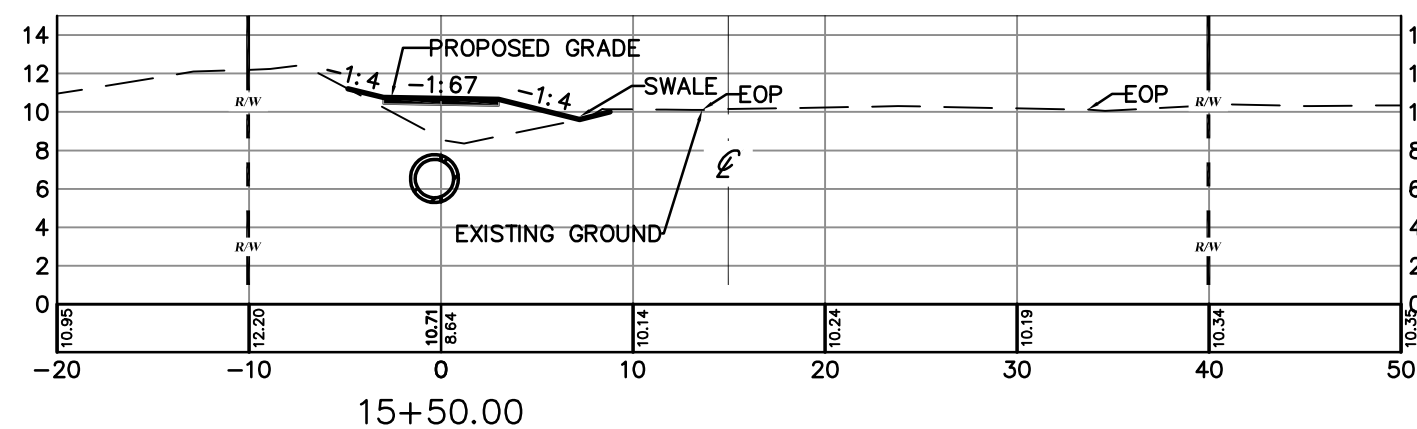
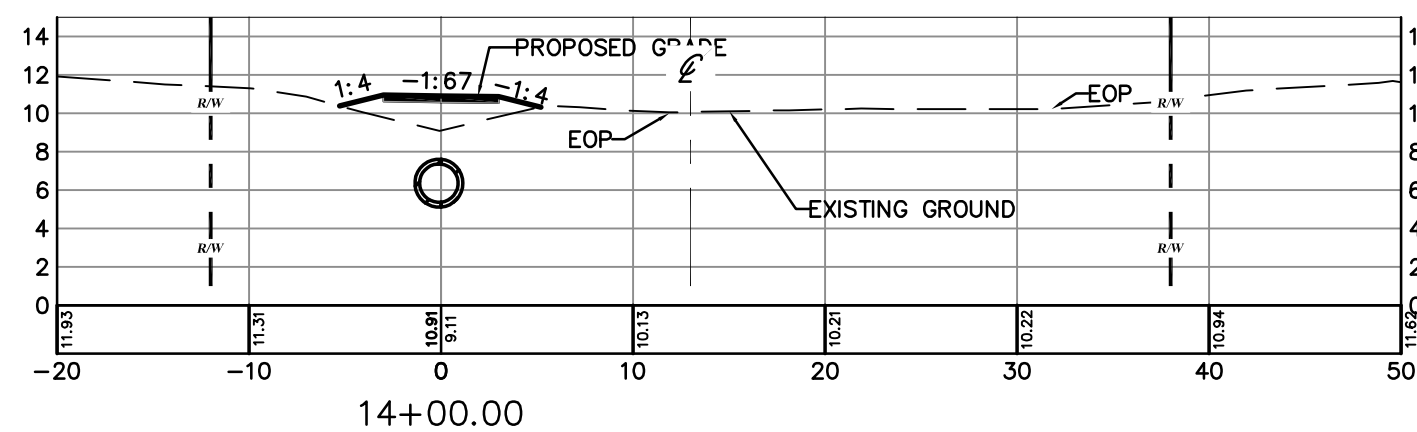
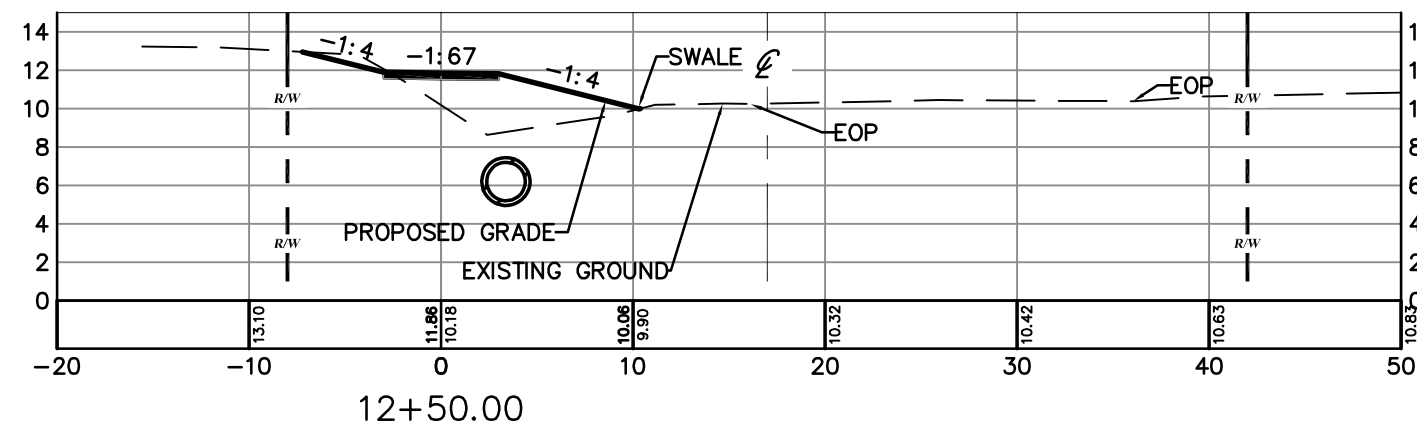
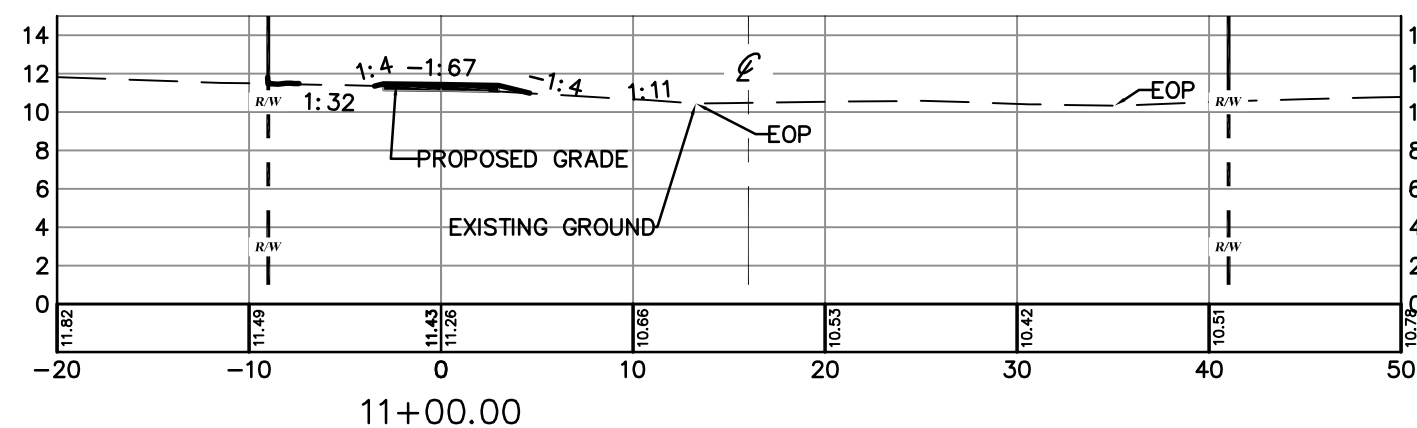
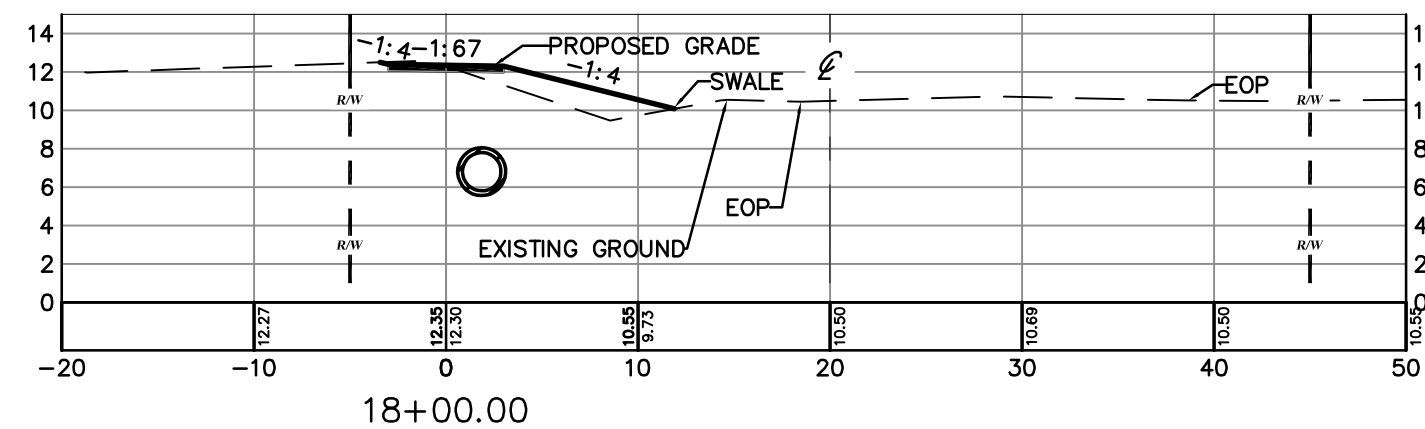
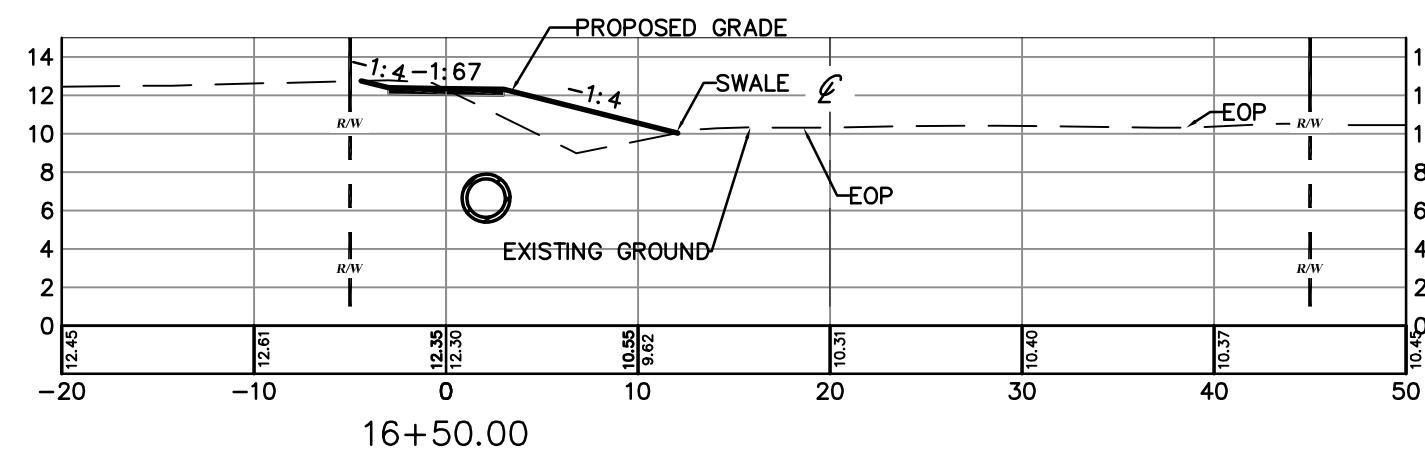
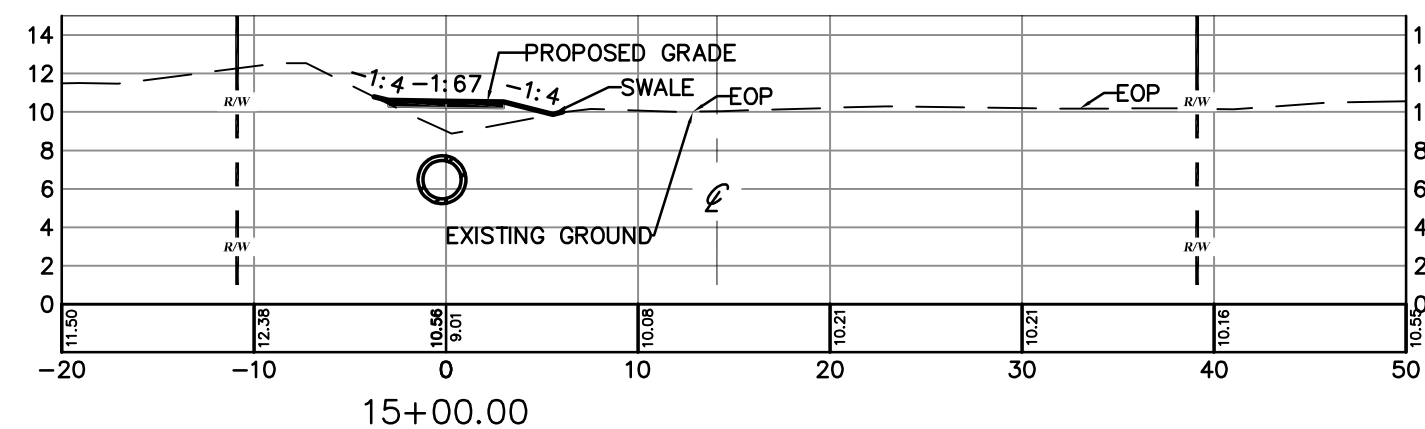
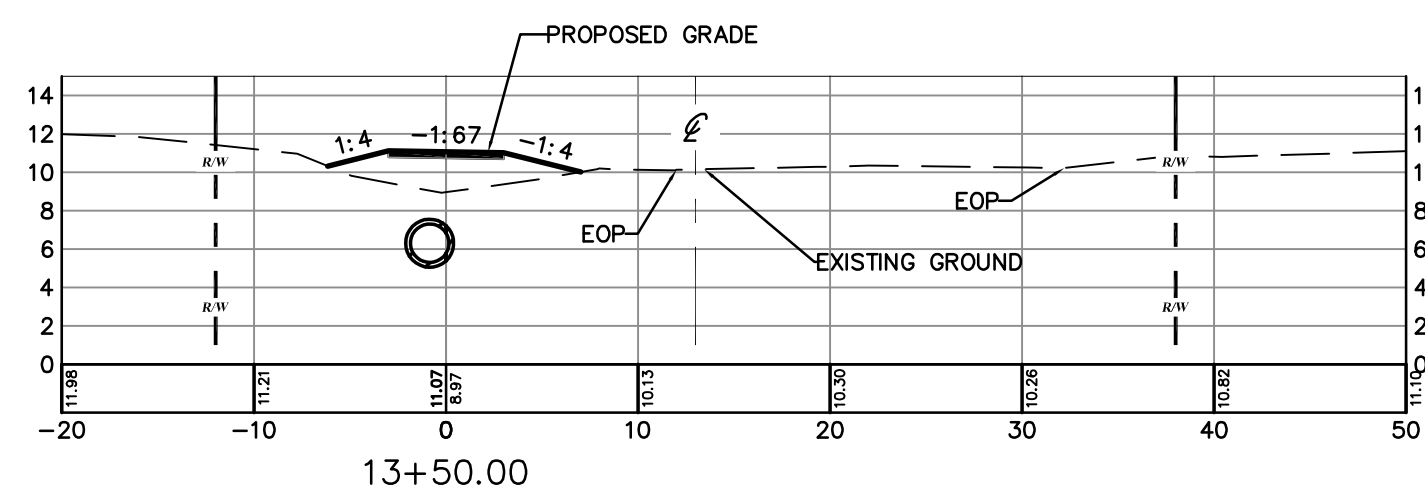
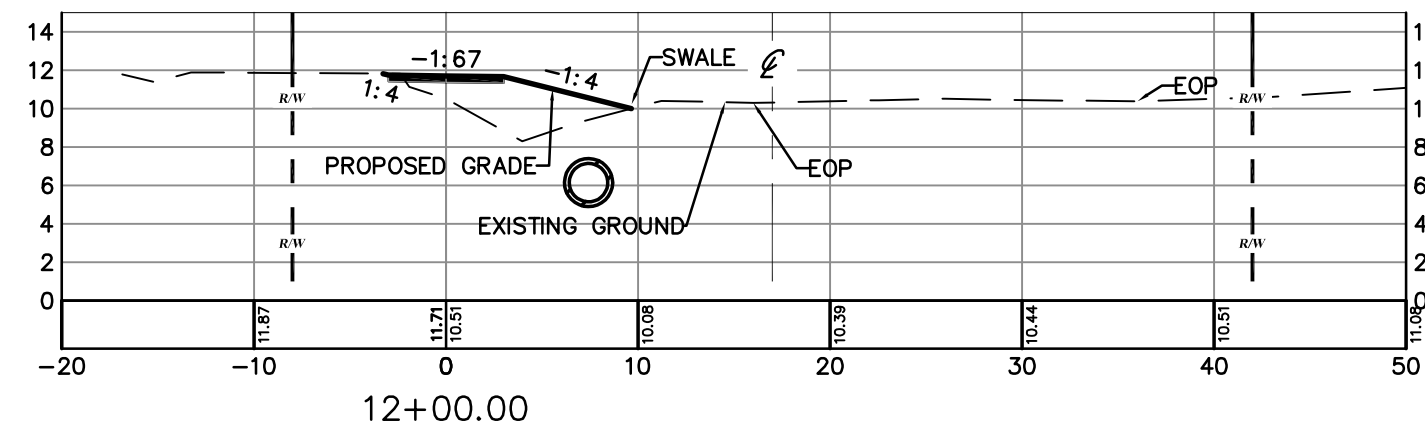
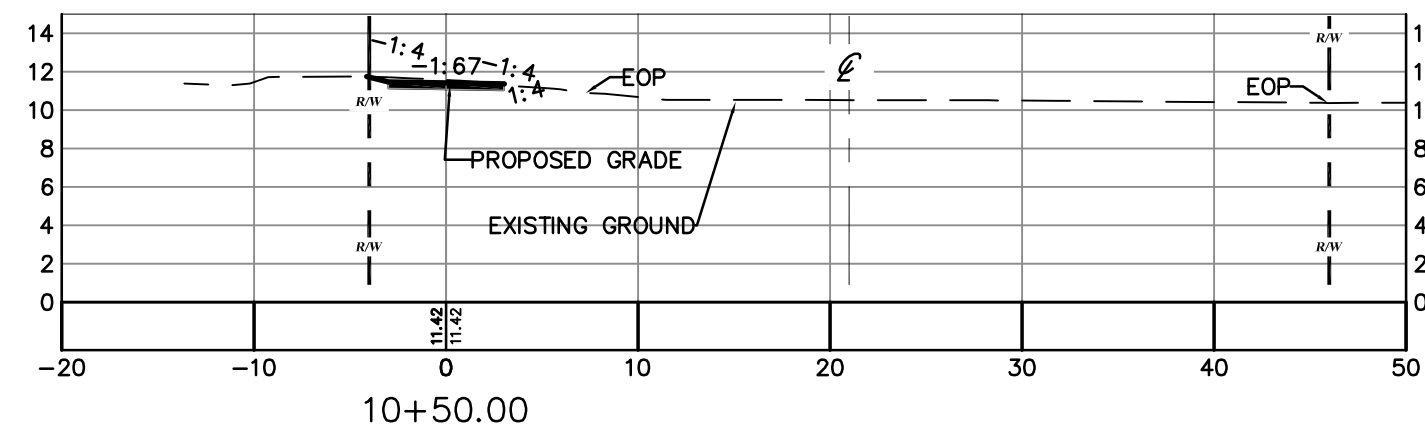
SHEET: C13 OF 20

LEGEND

RIGHT OF WAY LINE

CENTERLINE OF RIGHT OF WAY

EOP	EDGE OF PAVEMENT
1:4	PROPOSED SLOPE
	PROPOSED GRADE
	EXISTING GRADE



VINE STREET – SIDEWALK SECTIONS

SCALE : HORIZ. 1" = 10'
VERT. 1" = 10'



CIVIL ENGINEERING

LANDSCAPE ARCHITECTURE

ENVIRONMENTAL

PLANNING

TRANSPORTATION

[illegible]

**DERBYSHIRE SIDEWALKS PHASE 1
THIRD STREET AND VINE STREET
100% PLANS
VINE STREET SIDEWALK SECTIONS**

CITY OF DAYTONA BEACH
VOLUNTARY COUNTY E

PROJECT NO: ZC17045

ISSUE DATE: 03-26-2018

DESIGNED BY: KR

DRAFTED BY: TL

CHECKED BY: BWS

DRAWING FILE: 08-15-17045PGD

XREF'S: 17045TIB.DWG
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1. *Journal of Management Studies*, 1996, 33, 1, 1-14.

1. *Journal of Management Studies*, 1996, 33, 1, 1-14.

1. *Journal of the American Medical Association*, 2000; 284: 2689-2695.

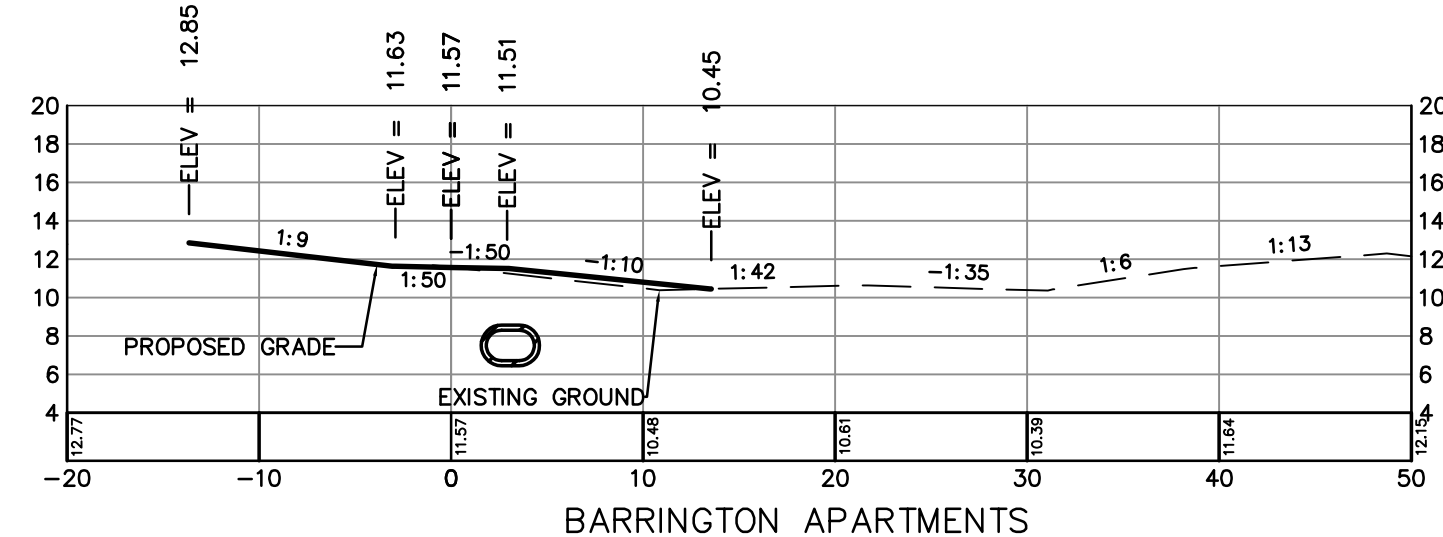
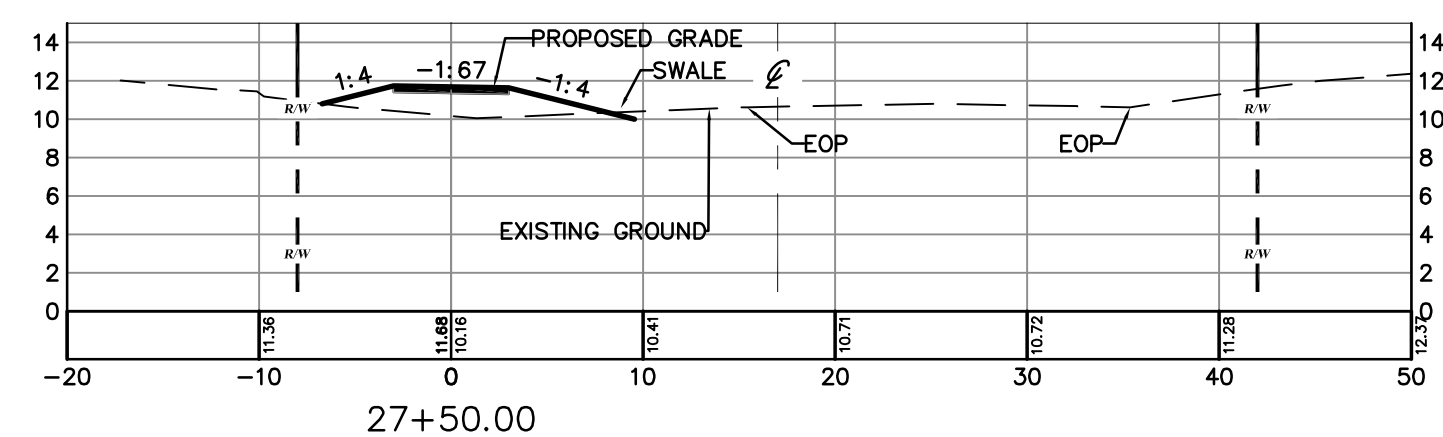
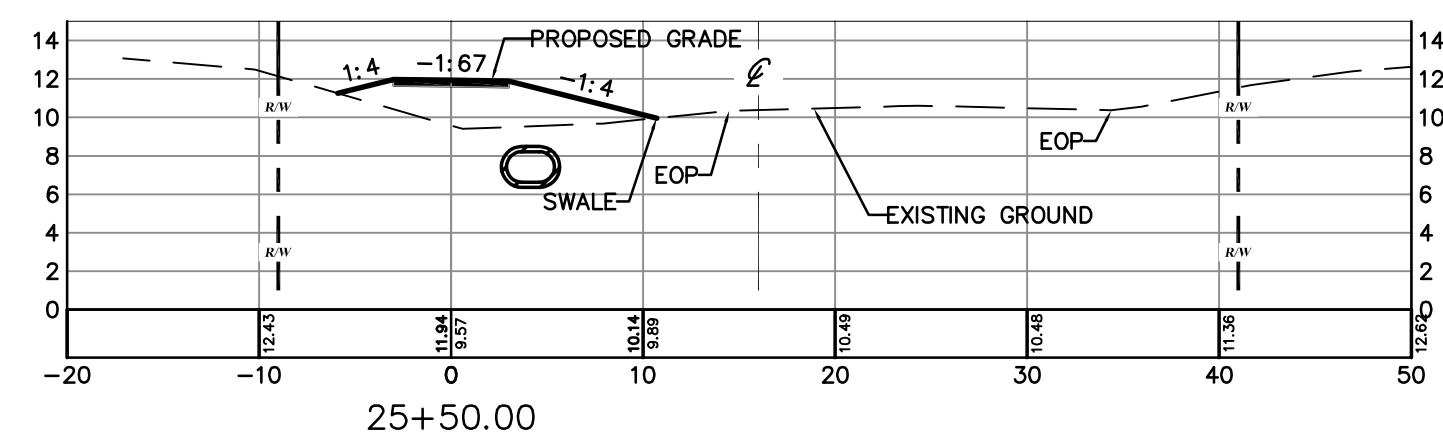
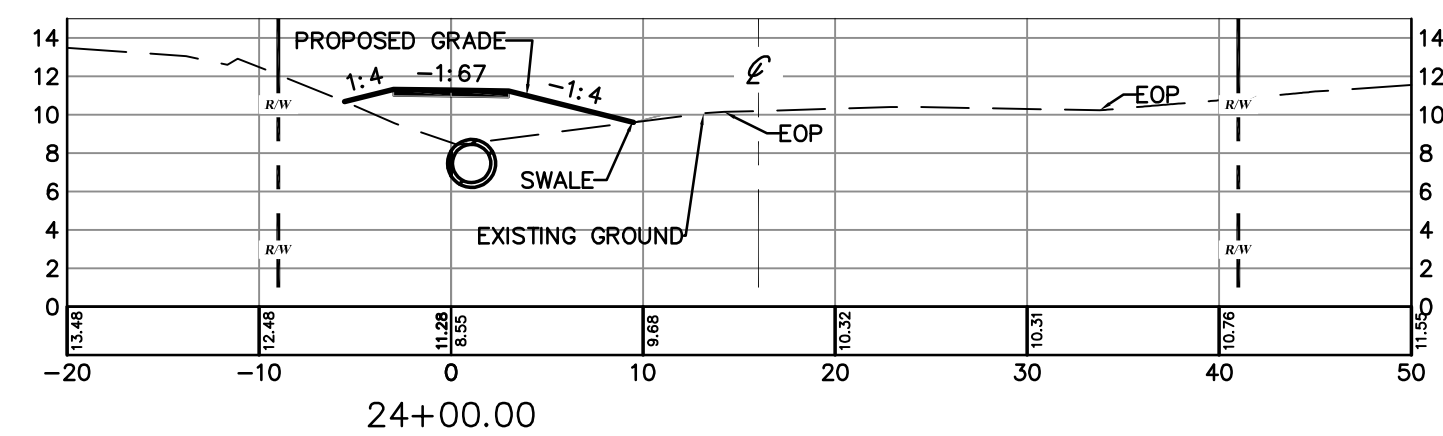
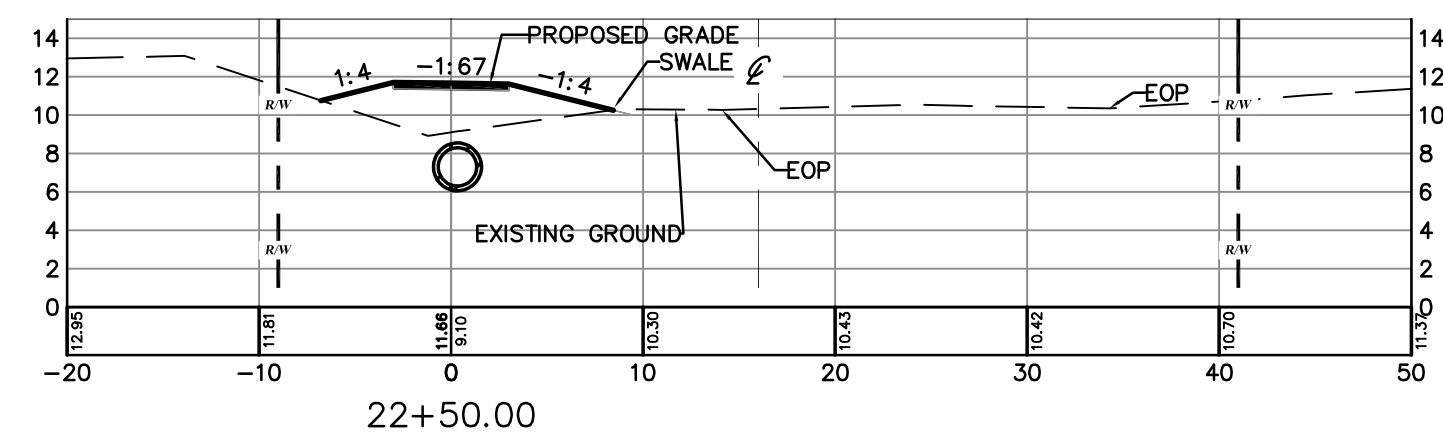
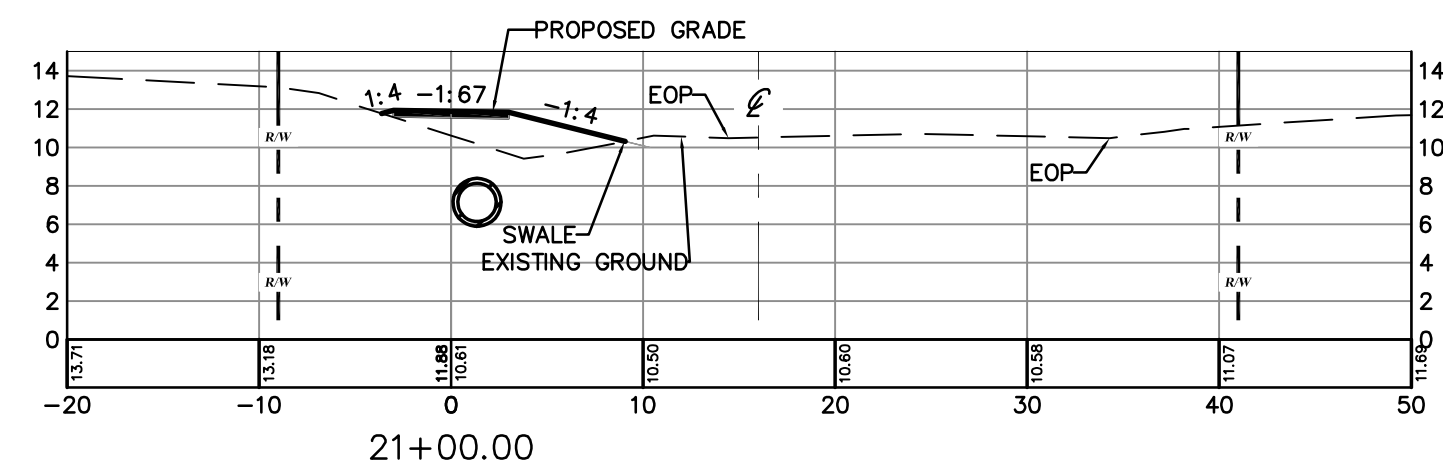
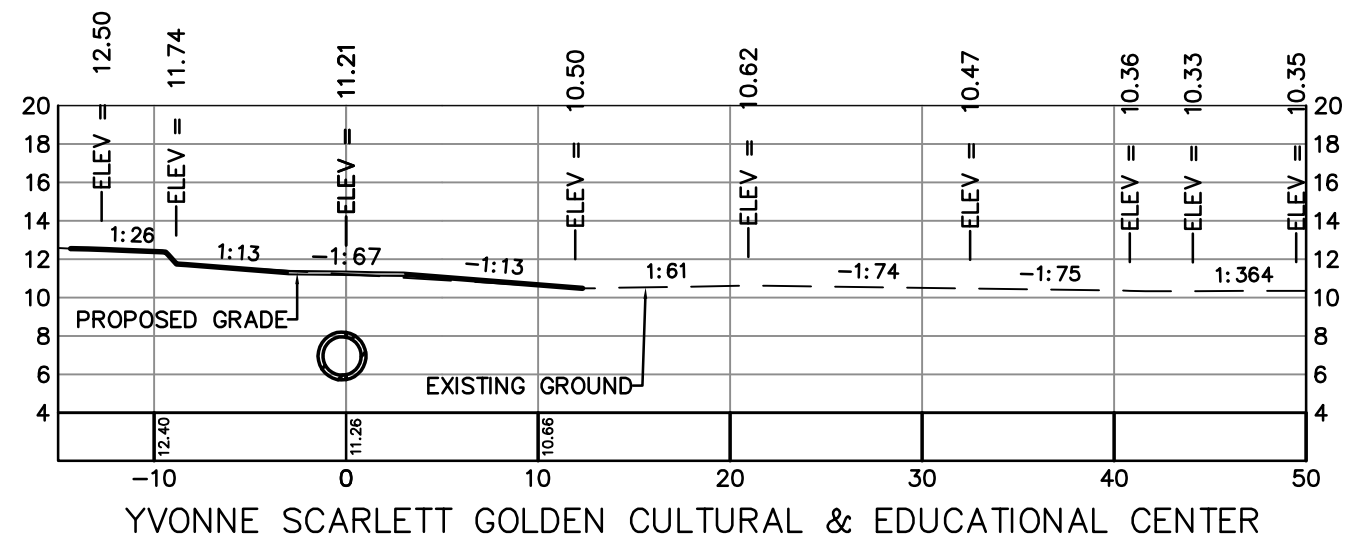
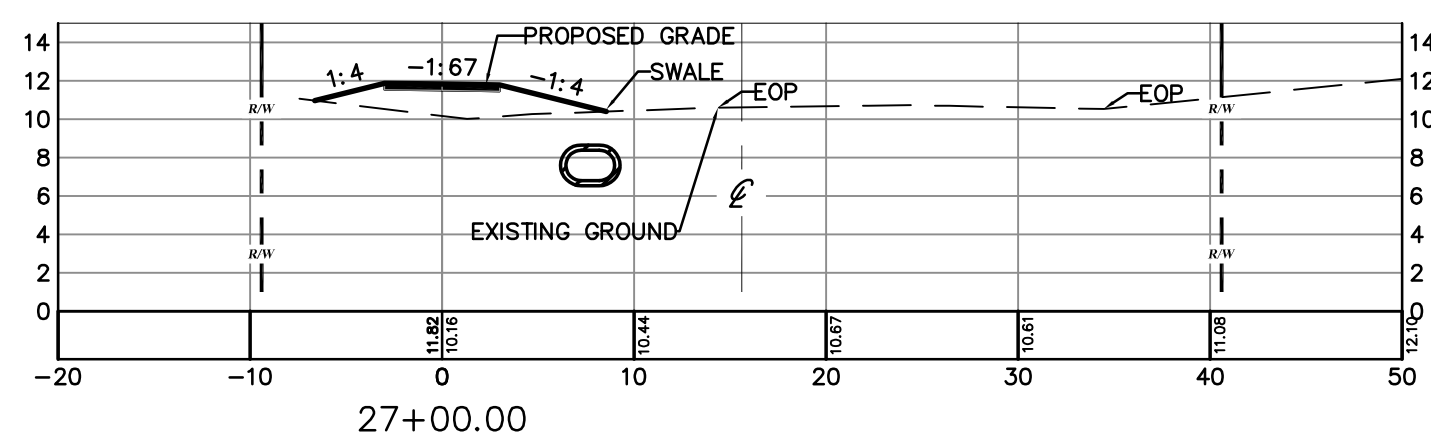
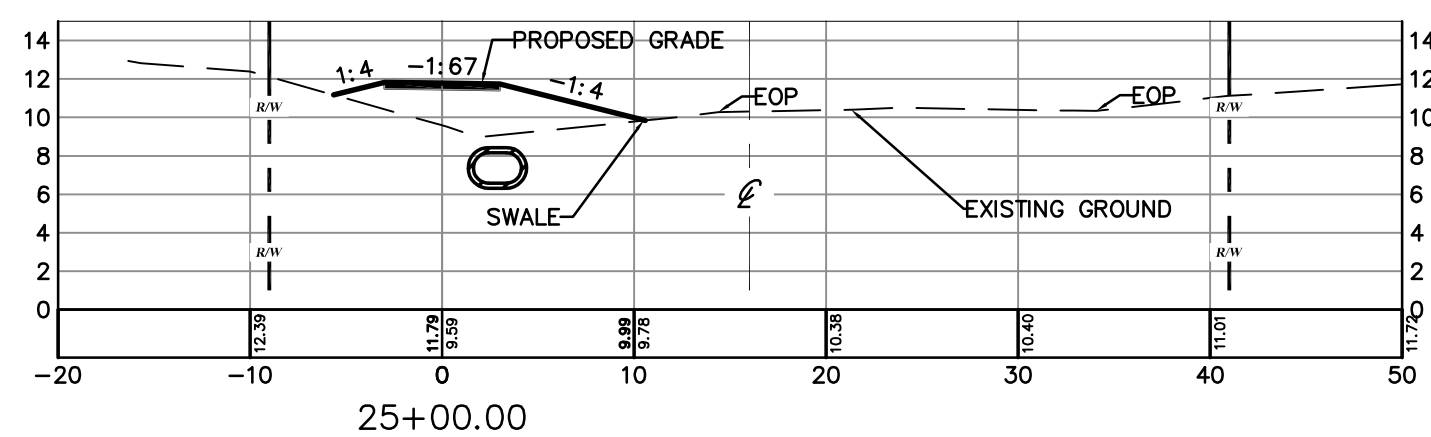
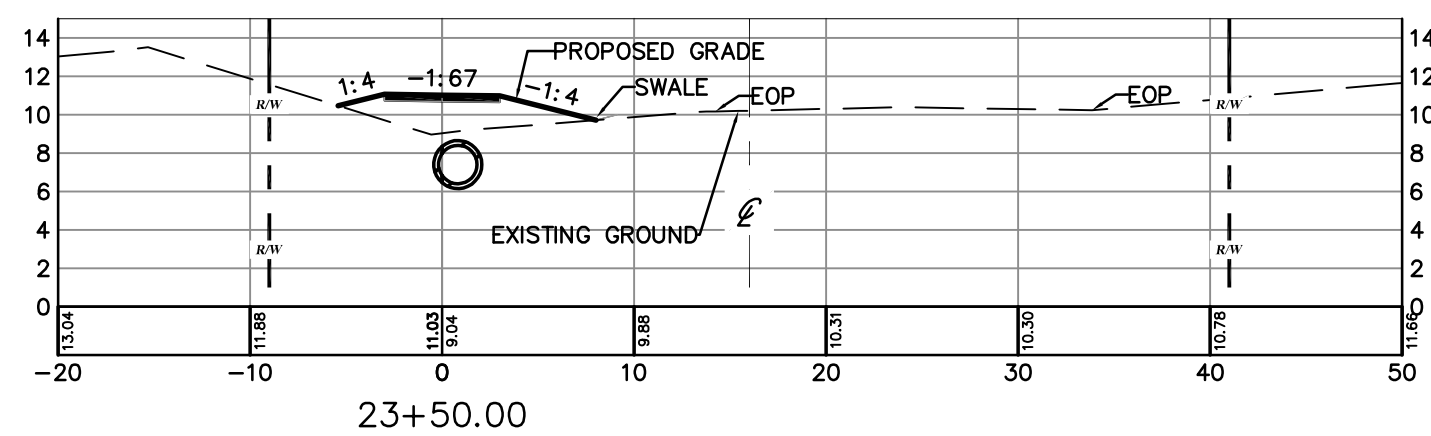
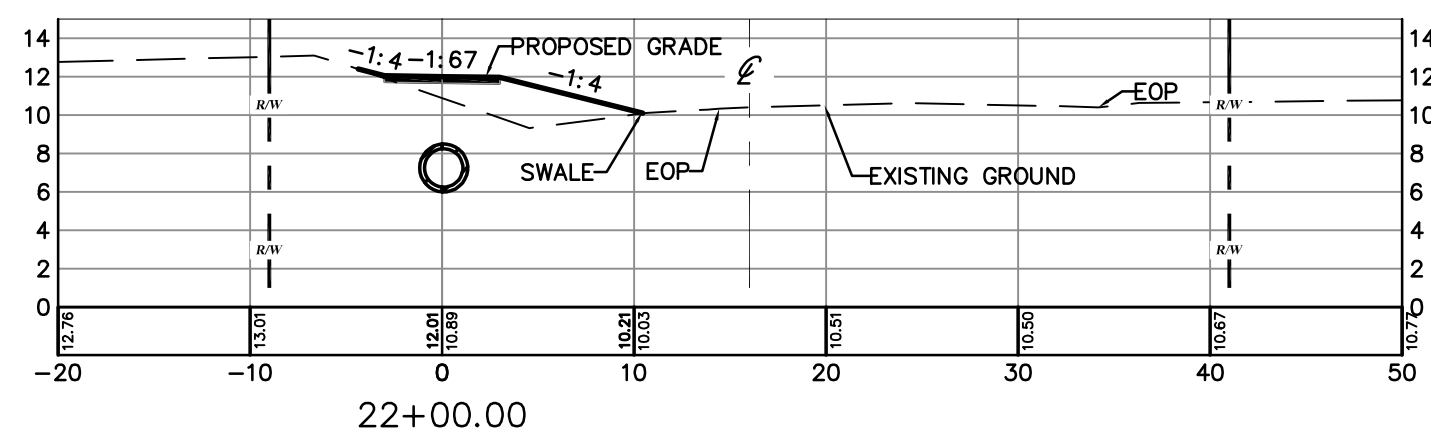
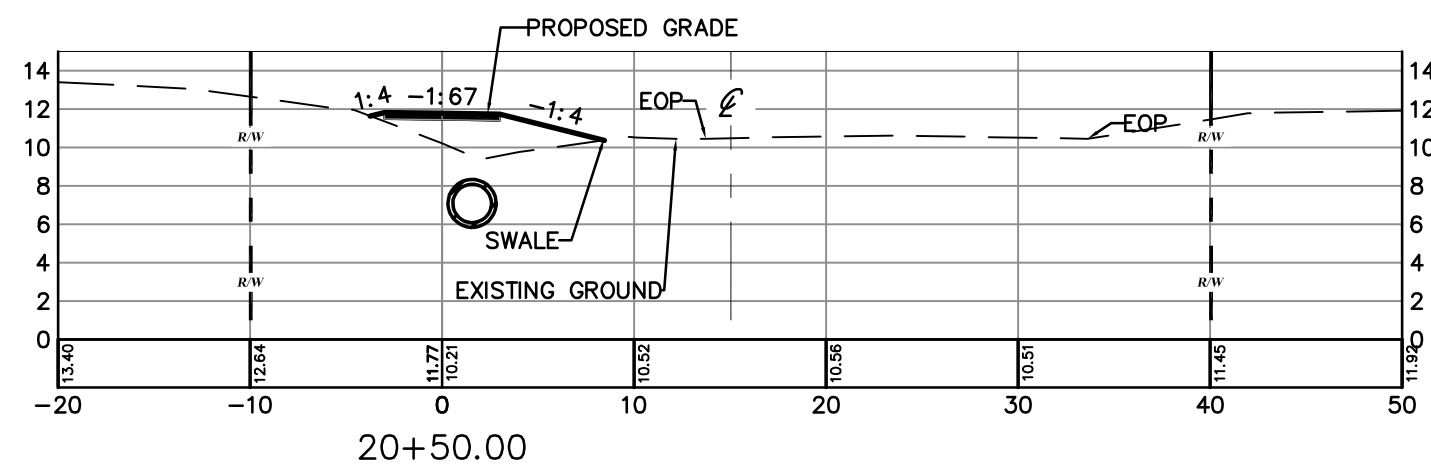
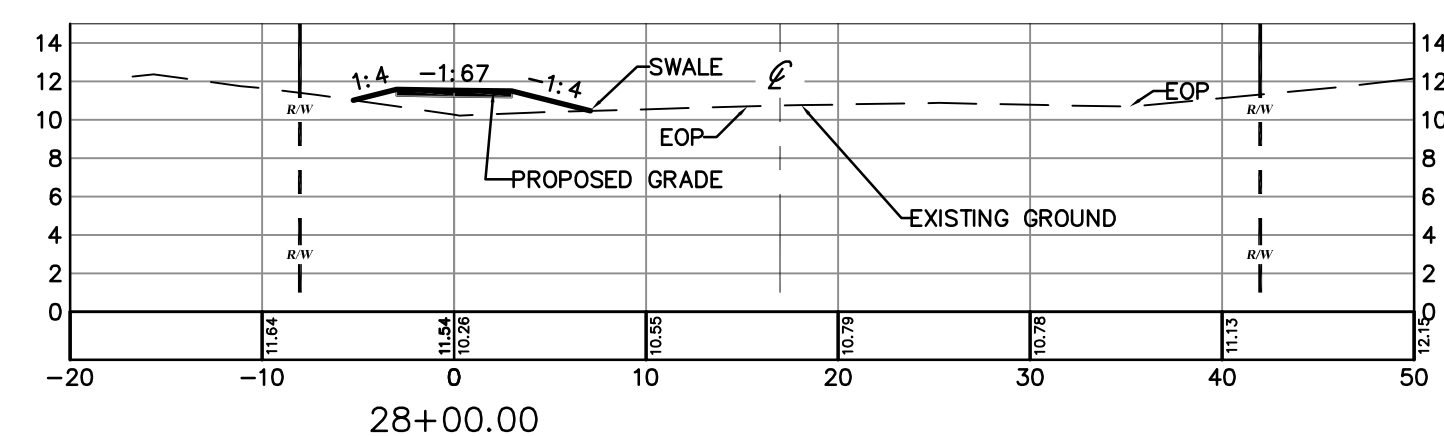
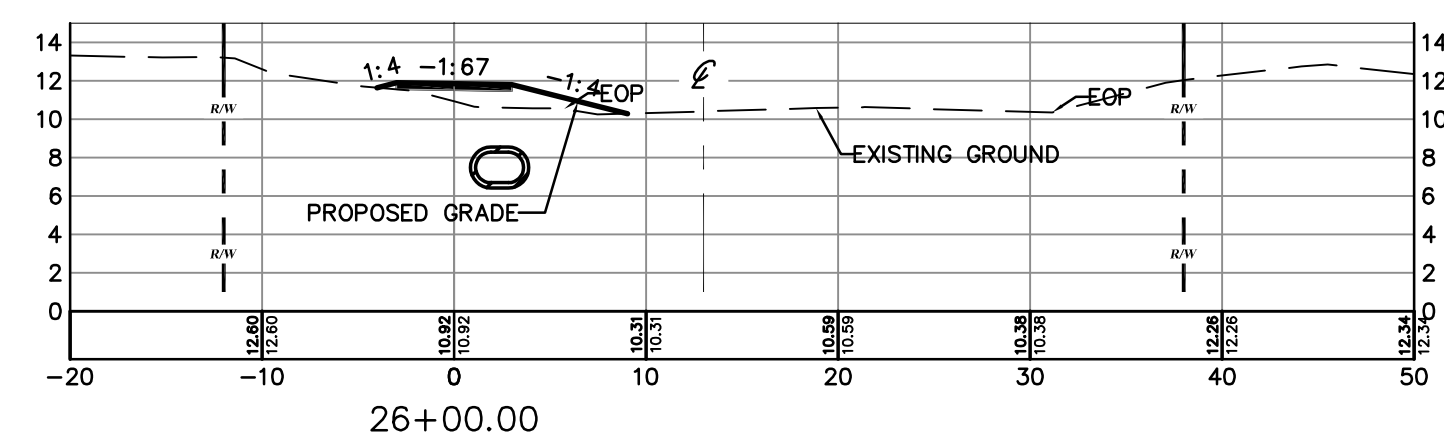
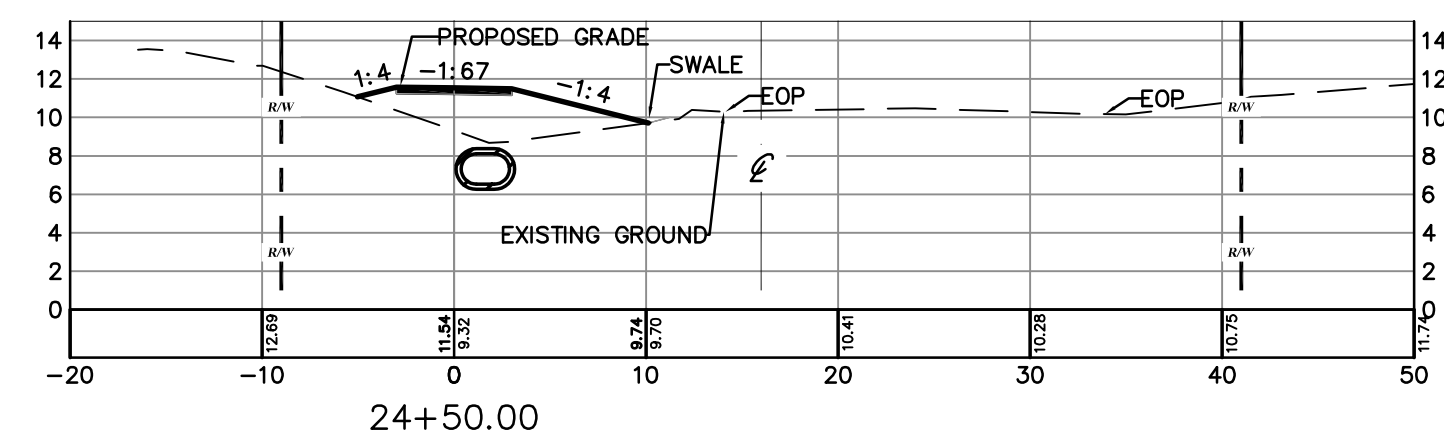
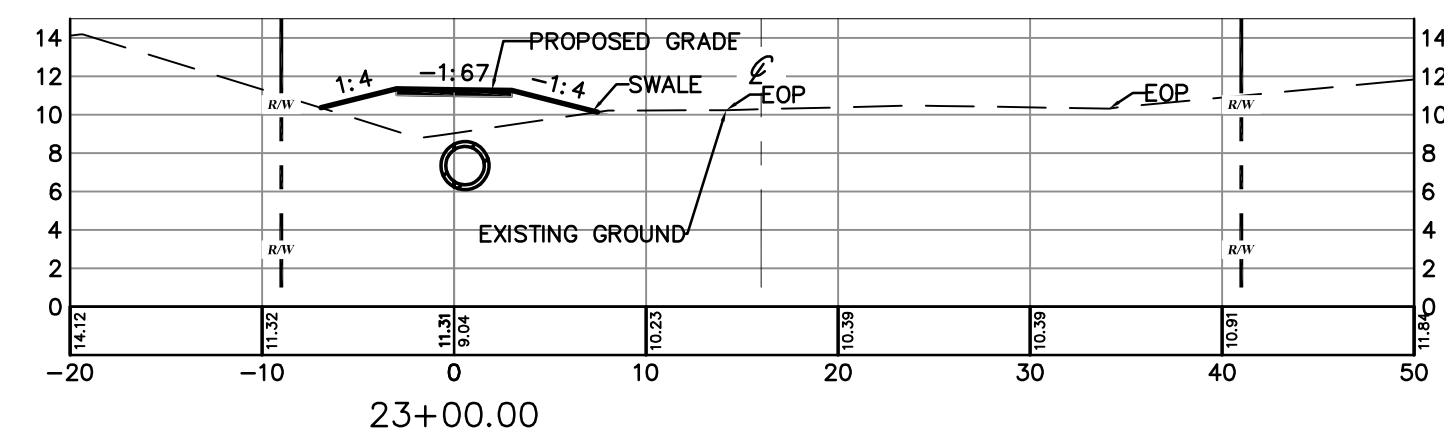
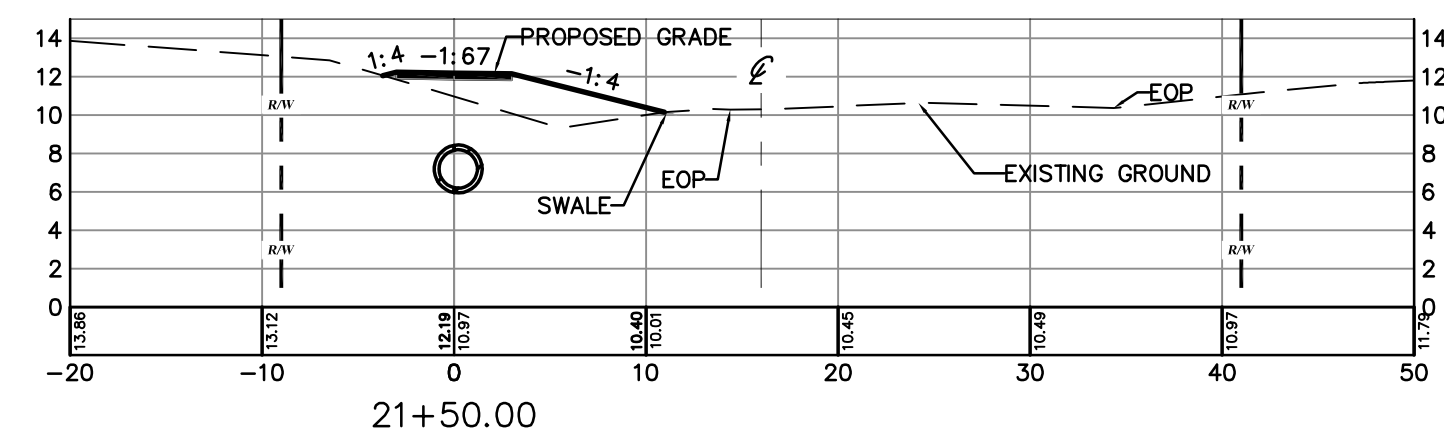
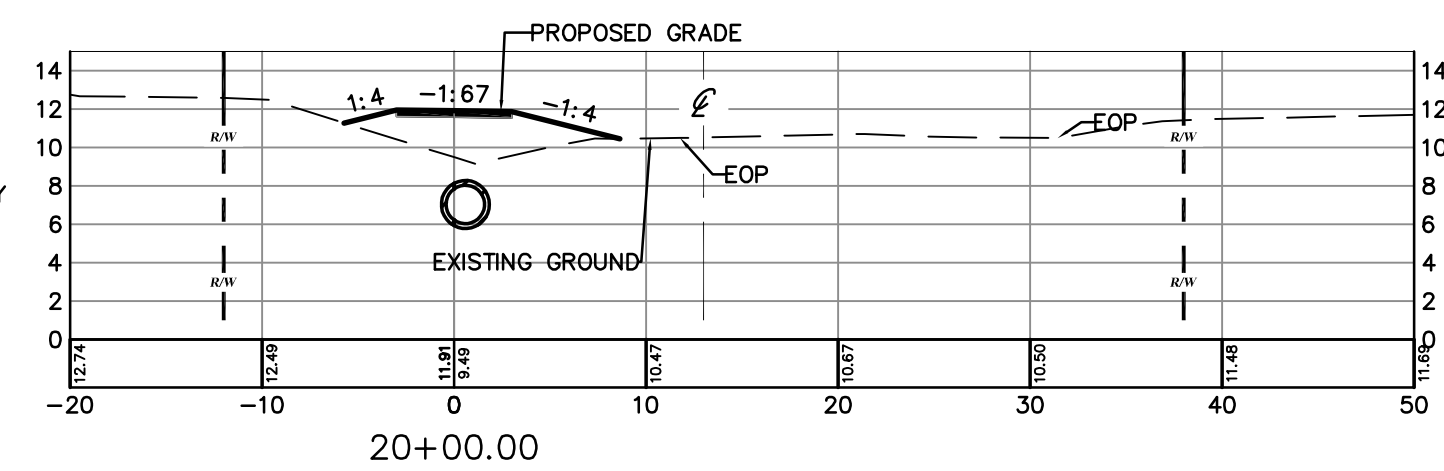
KRISTOPHER ROWLEY, P.E., NO.

SCALE: AS NOTED

SHEET: C14 OF

LEGEND

	RIGHT OF WAY LINE
	CENTERLINE OF RIGHT OF WAY
	EDGE OF PAVEMENT
	PROPOSED SLOPE
	PROPOSED GRADE
	EXISTING GRADE



SCALE : HORIZ. 1" = 10'
VERT. 1" = 10'



CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL
PLANNING
TRANSPORTATION

[illegible]

**DERBYSHIRE SIDEWALKS PHASE 1
THIRD STREET AND VINE STREET
100% PLANS
VINE STREET SIDEWALK SECTIONS**

CITY OF DAYTONA BEACH
VOLUSIA COUNTY, FL

PROJECT NO: ZC17045

ISSUE DATE: 03-26-2018

DESIGNED BY: KR

DRAFTED BY: TL

CHECKED BY: BWS

DRAWING FILE: 08-15-17045PGD
XREF'S: 17045TIB.DWG
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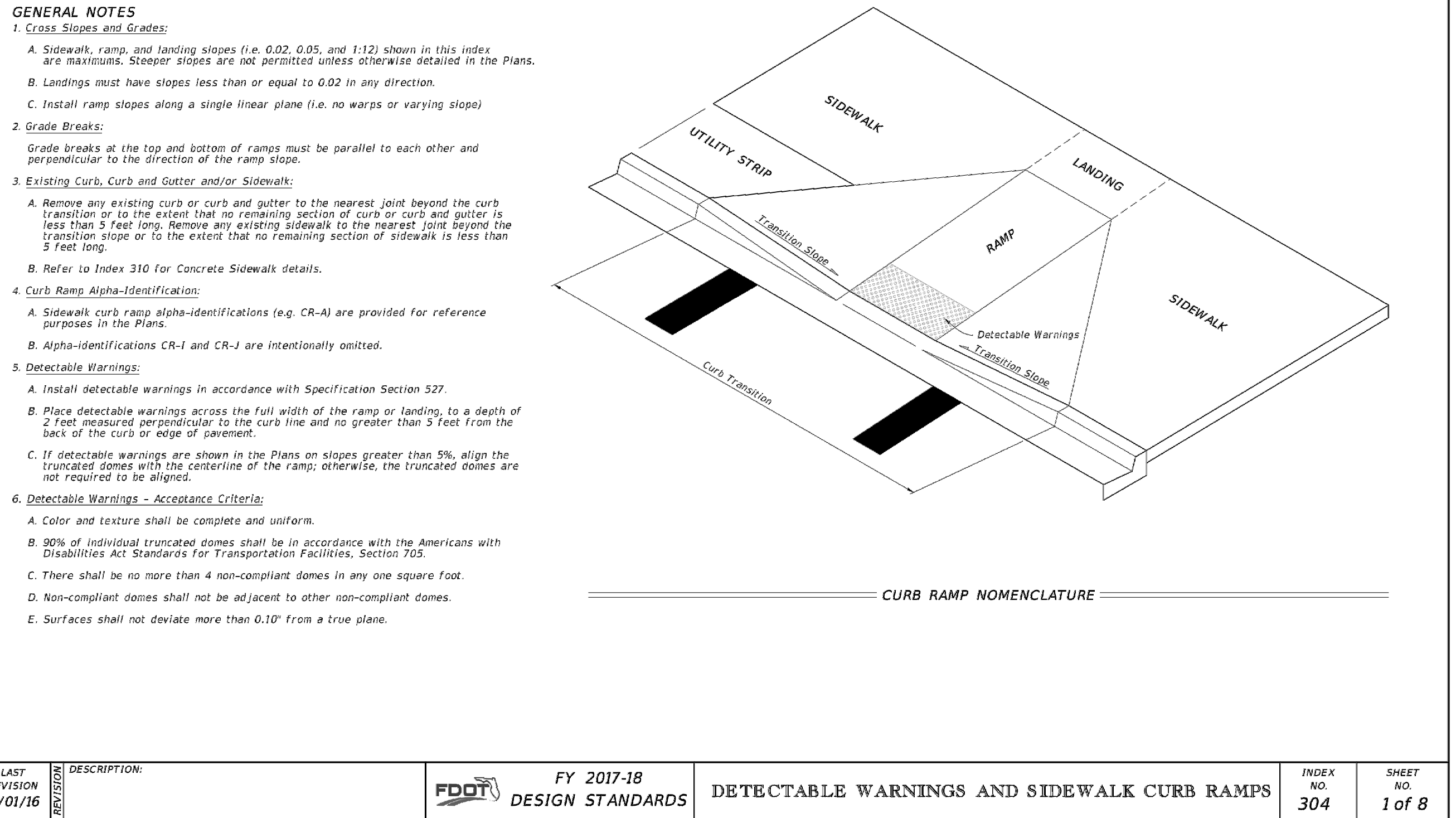
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NOT VALID WITHOUT SEAL

SCALE: AS NOTED

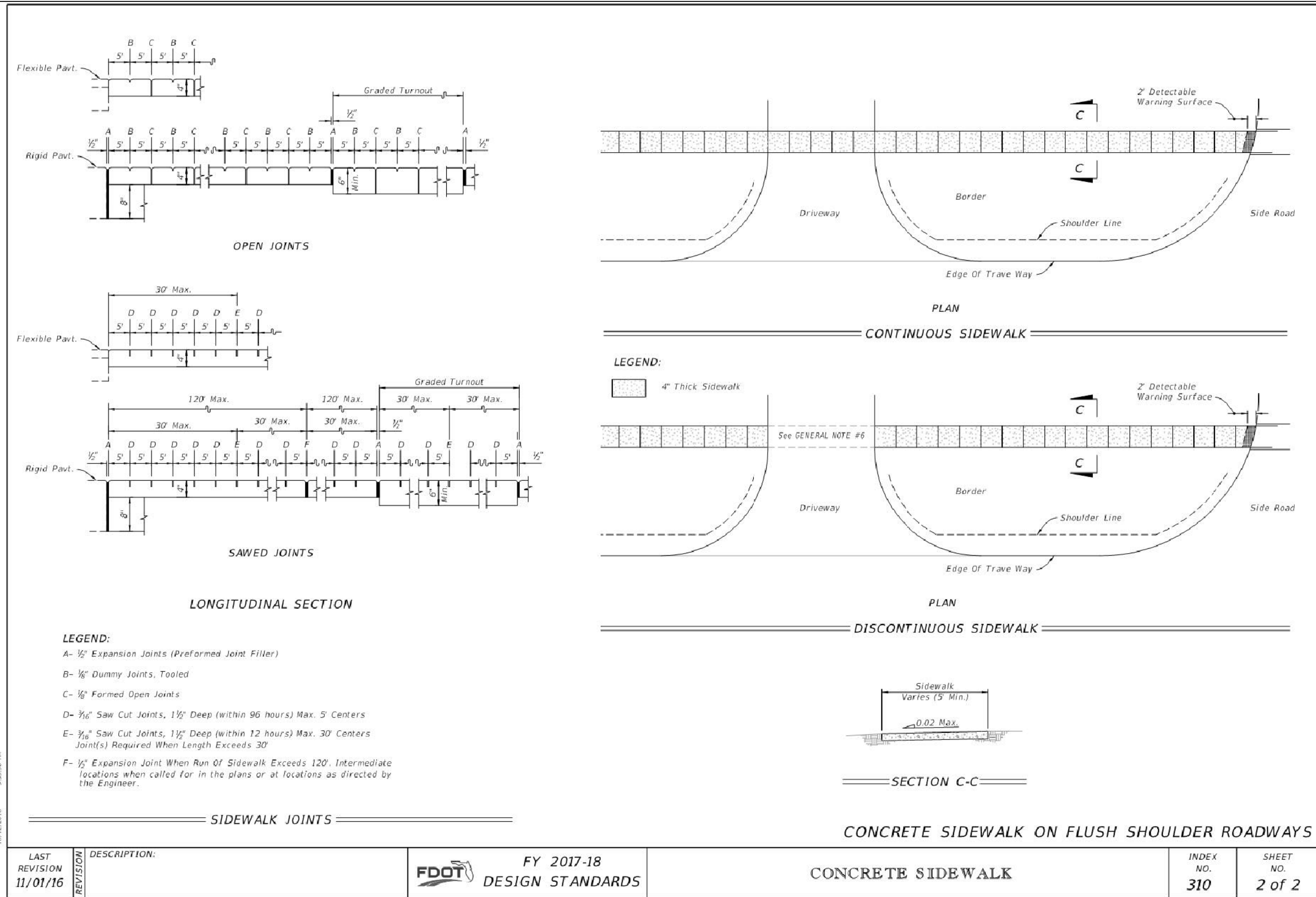
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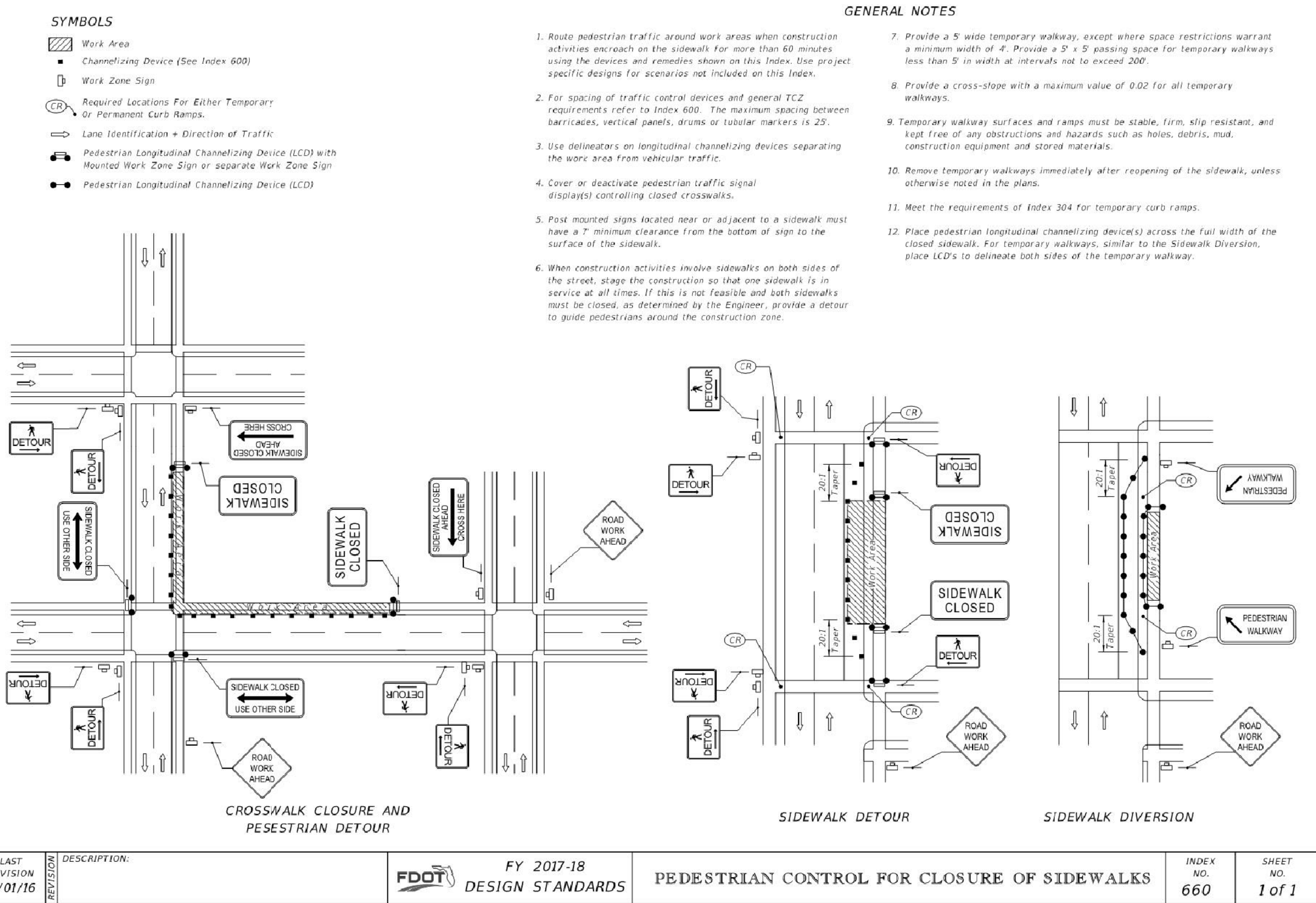
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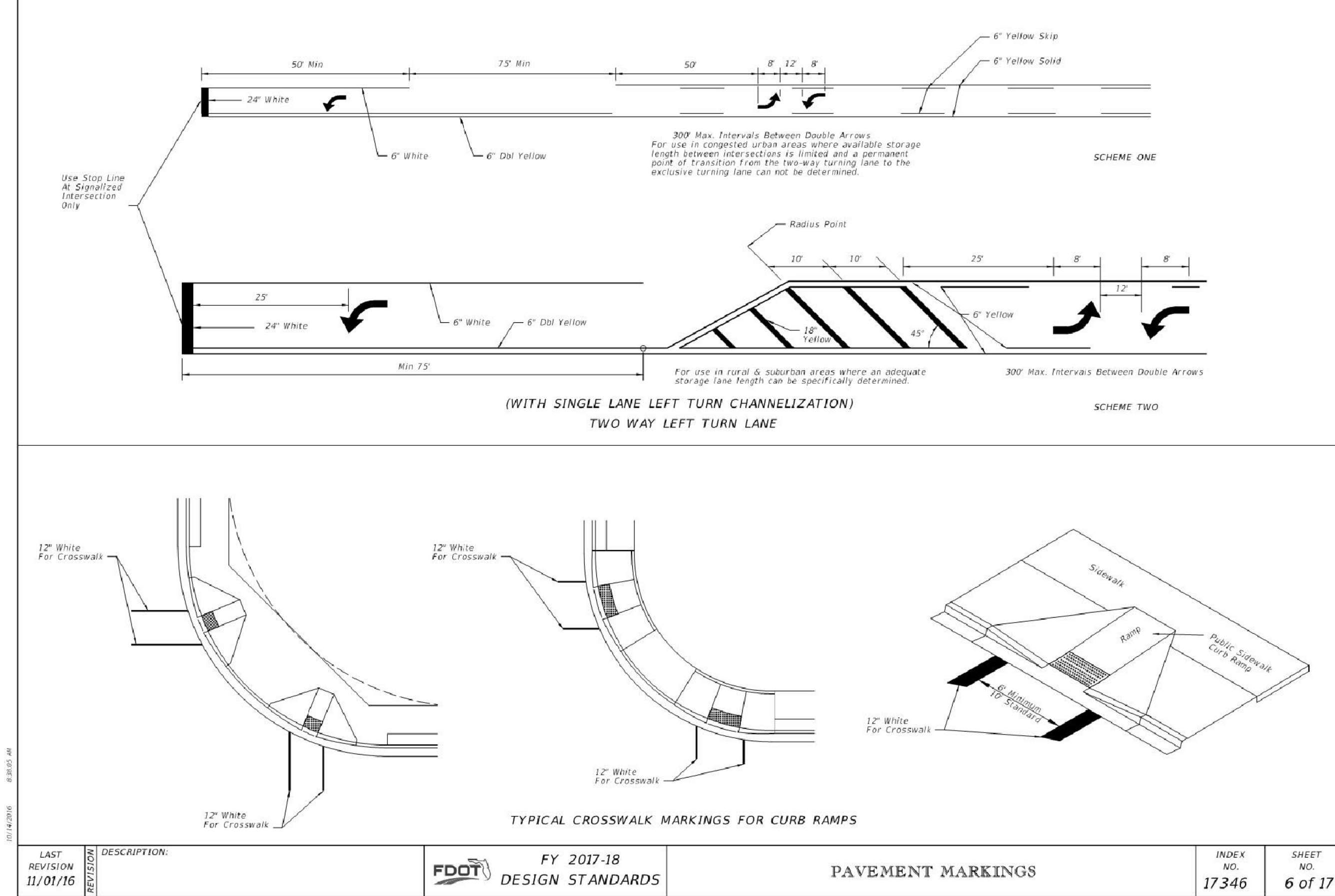
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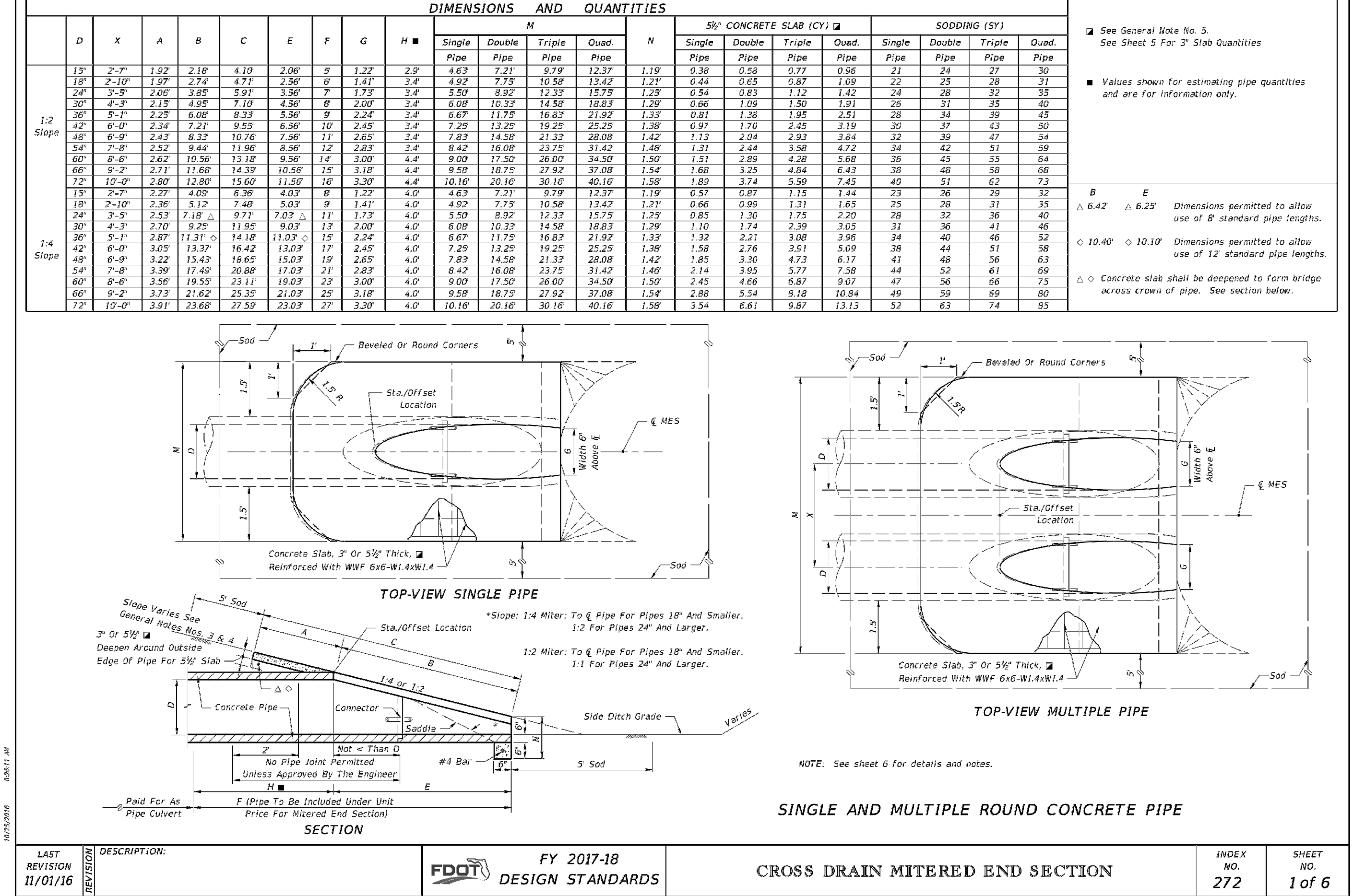
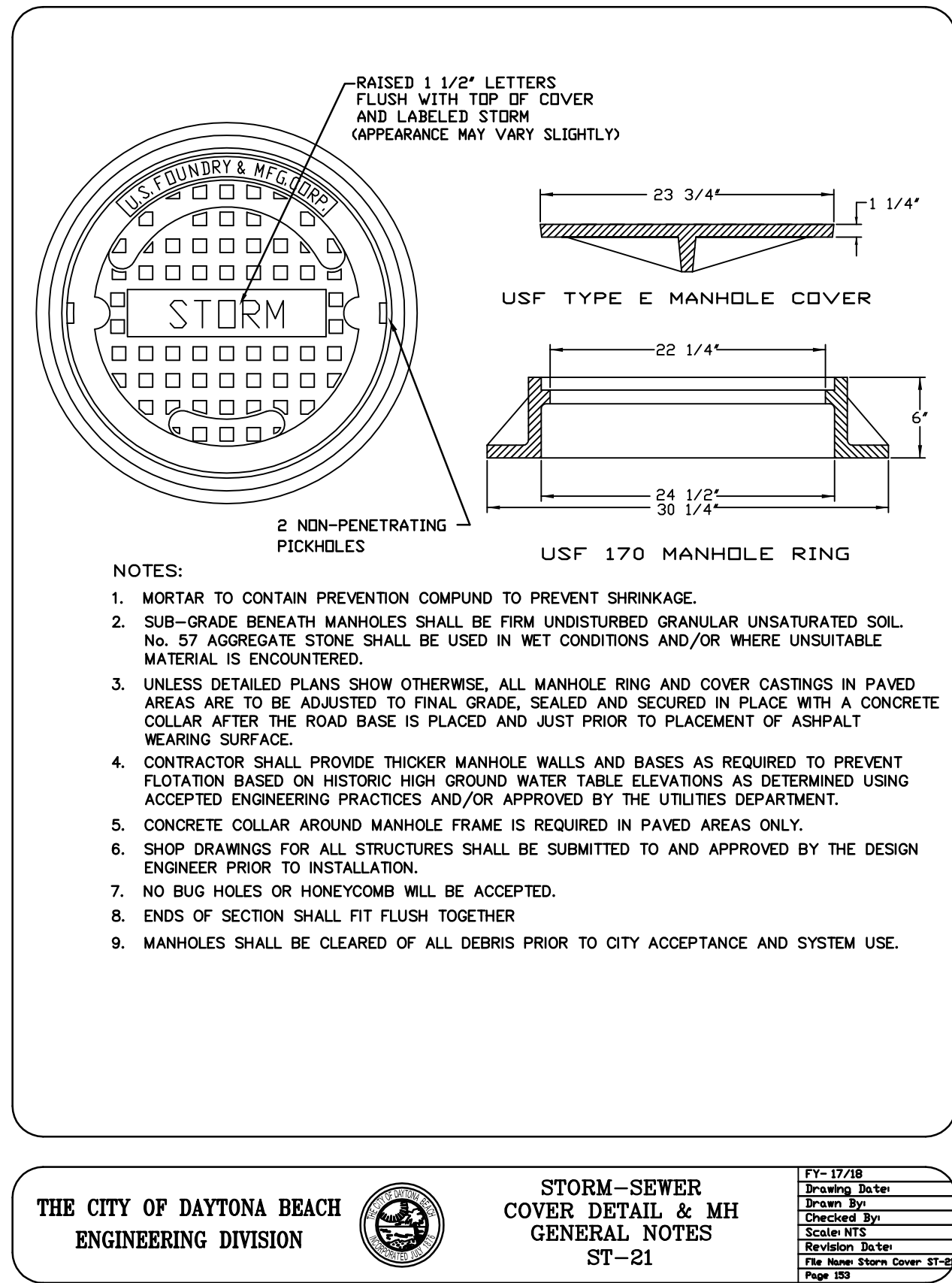
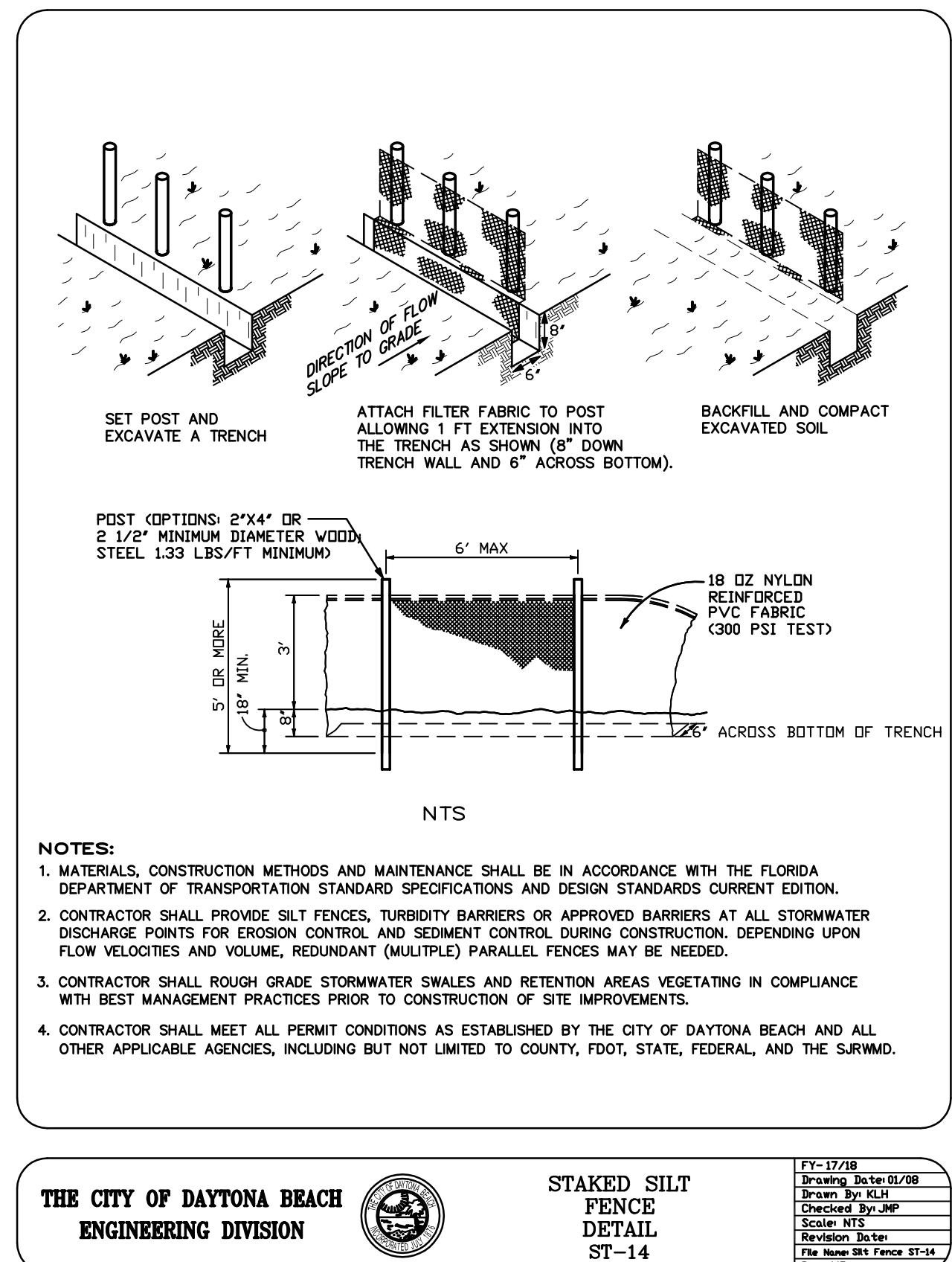
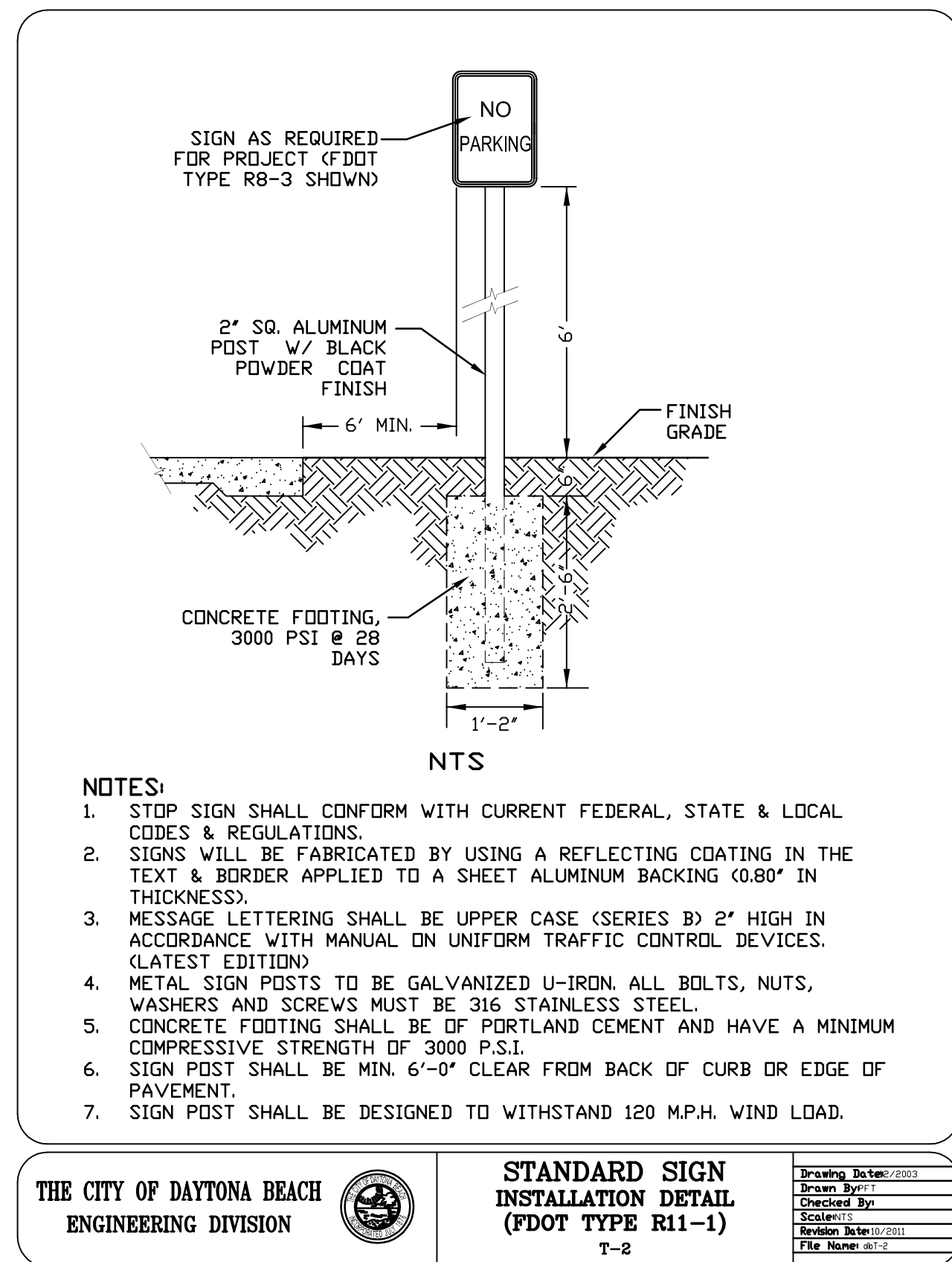
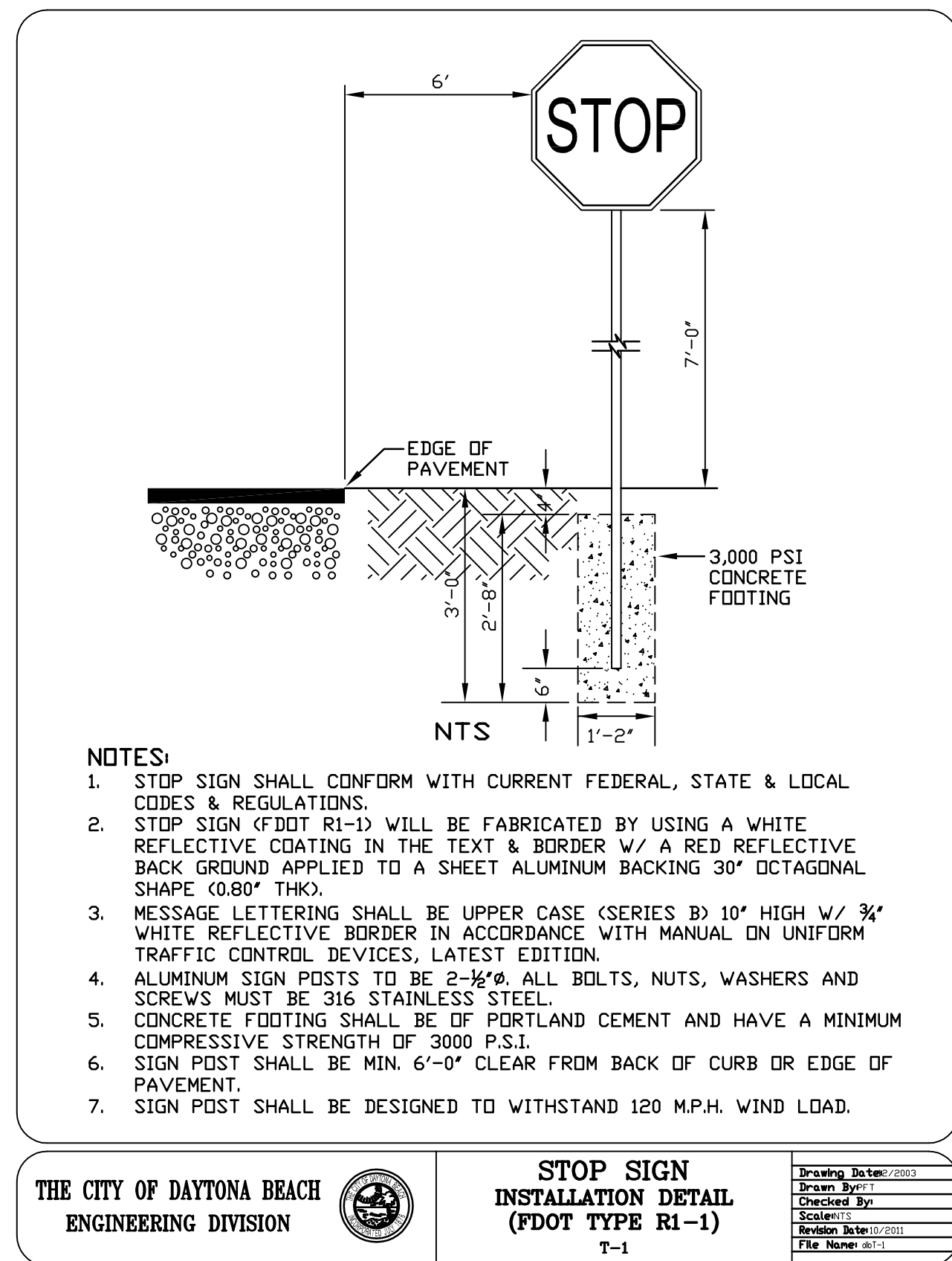
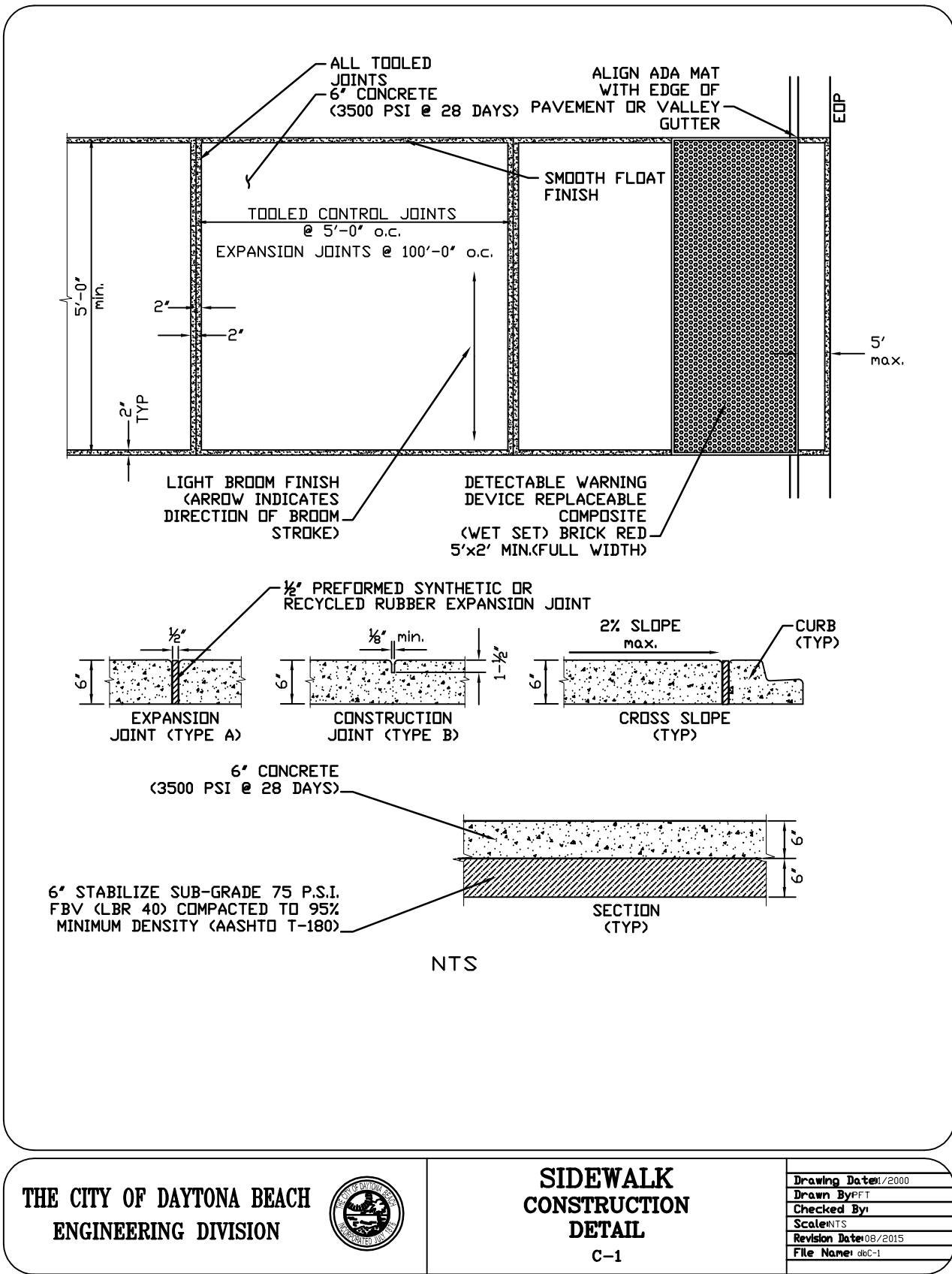


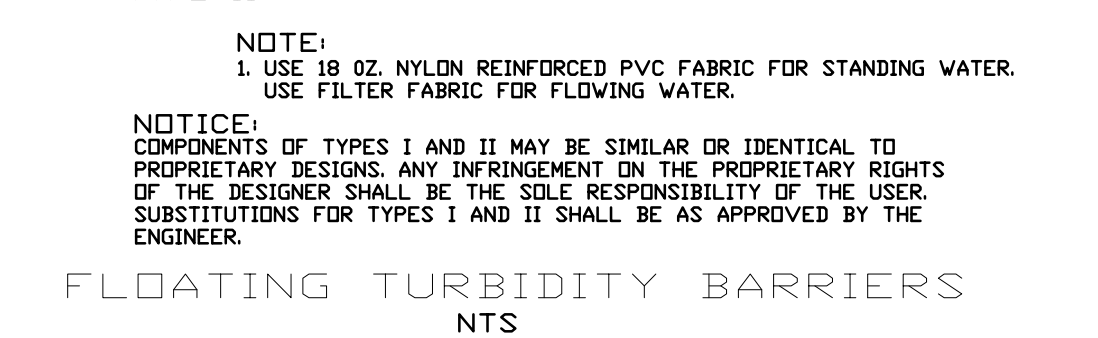
**DERBYSHIRE SIDEWALKS PHASE 1
THIRD STREET AND VINE STREET
100% PLANS
CONSTRUCTION DETAILS**

PROJECT NO:	ZC17045
ISSUE DATE:	03-26-2018
DESIGNED BY:	KR
DRAFTED BY:	TL
CHECKED BY:	BWS
DRAWING FILE:	16-20-17045DET XREFS: 17045TIB.DWG XREFS:
KRISTOPHER ROWLEY, P.E. NO. 84263 NOT VALID WITHOUT SEAL	
SCALE:	AS NOTED
SHEET:	C16 OF 20

CIVIL ENGINEERING
LANDSCAPE ARCHITECTURE
ENVIRONMENTAL
PLANNING
TRANSPORTATION

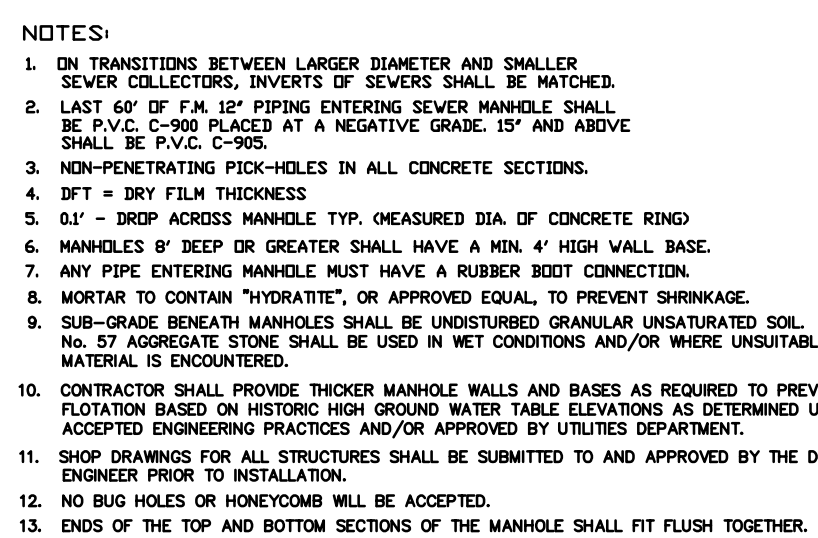
**ZEV COHEN
& ASSOCIATES, INC.**
300 INTERCHANGE BLVD., STE. C
ORLANDO BEACH, FL 32274
WWW.ZEVCOHEN.COM





FLOATING TURBIDITY
BARRIER
DETAIL
ST-15

FY-17/18
Drawing Date: 01/08
Drawn By: KLH
Checked By: JMP
Scale: NTS
Revision Date:
File Name: Floating Turbidity Barrier ST-15
Page 147



**SANITARY SEWER
MANHOLE AND
GENERAL NOTES**

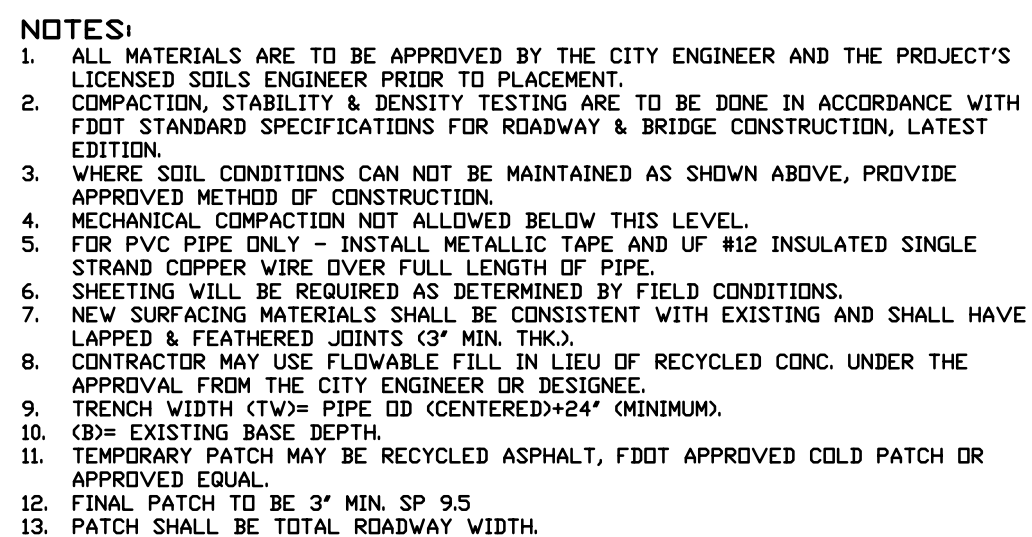
FY-17/18
Drawing Date: 01/08
Drawn By: KLH
Checked By: JUMP
Scale: NTS
Revision Date: 06/10
Sheet -13



OUTSIDE DROP
SANITARY MANHOLE DETAIL
(NEW-STANDARD)

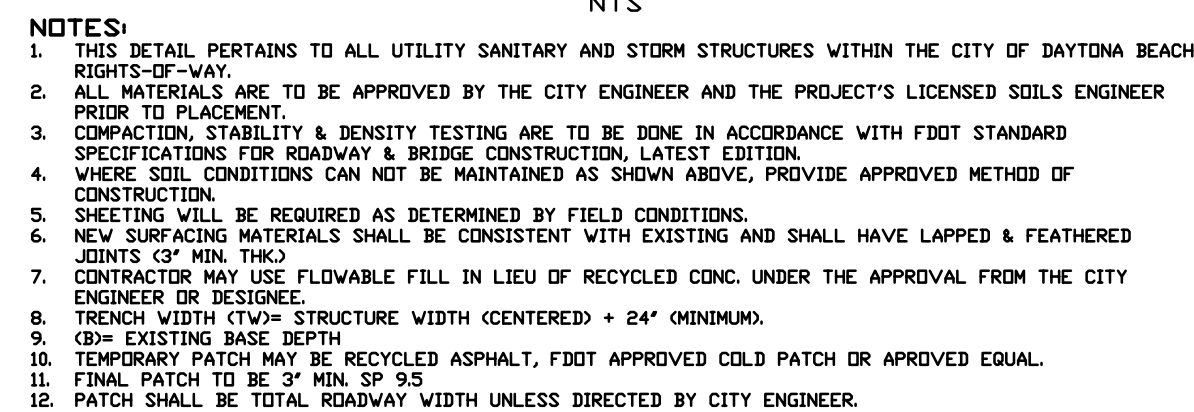
FY-17/18
Drawing Date: 01/00
Drawn By: KJH
Checked By: JBP
Scale: NTS

Nov 5-14



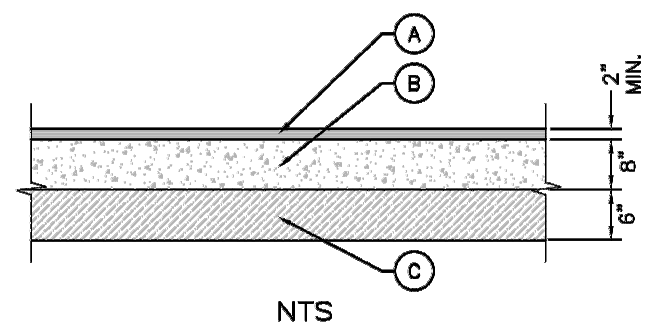
PAVEMENT CUT & PATCH OVER PIPE TRENCH DETAIL

Drawing Date:	5/2003
Drawn By:	PFT
Checked By:	
Scale:	NTS
Revision Date:	10/2011
File Name:	dsl-7



PAVEMENT CUT & PATCH
OVER UTILITY STRUCTURE
DETAIL
R-8

Drawing Date:	7/2013
Drawn By:	PFT
Checked By:	
Scale:	NTS
Revision Date:	07/2013
File Name:	dlr-B



- (A) ASPHALT PAVEMENT:
2" MIN. ASPHALT BITUMINOUS CONCRETE TYPE SP-9.5 SEE NOTE 2
- (B) BASE:
6" RECYCLED CONCRETE BASE (LBR 130). SEE NOTE 2
- ALTERNATE 1:
6" ASPHALT BASE MINIMUM BEARING (LBR 100). SEE NOTE 2
- ALTERNATE 2:
8" LIMEROCK BASE (LBR 100). SEE NOTE 2
- TO BE USED ONLY WHEN BOTTOM OF BASE LAYER IS 24" ABOVE
NATURAL GROUND WATER MAXIMUM ELEVATION AND UPON APPROVAL
OF THE CITY ENGINEER.
- (C) SUB-GRADE:
6" SUB-BASE. SEE NOTE 2

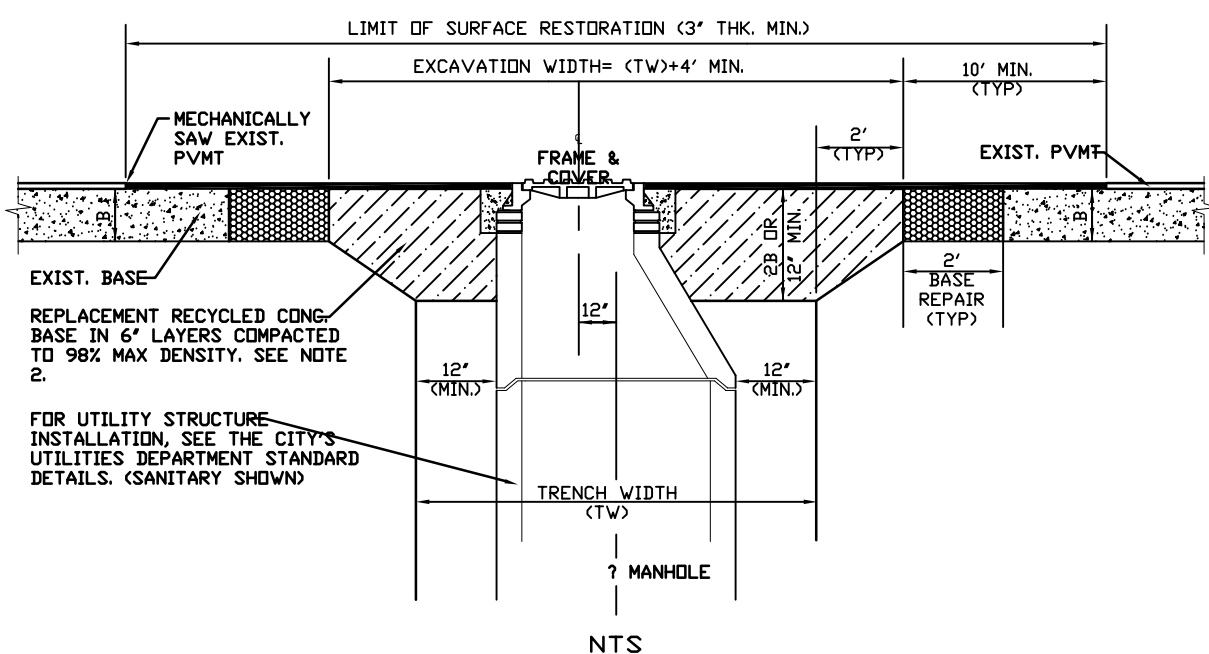
NOTES:

1. ALL MATERIALS ARE TO BE APPROVED BY THE CITY ENGINEER AND THE PROJECT'S LICENSED SOILS ENGINEER PRIOR TO PLACEMENT.
2. ASPHALT PAVEMENT TESTING IS TO BE DONE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, LATEST EDITION.

GRADED AGGREGATE BASE	
SIEVE SIZE	PERCENT BY WEIGHT PASSING
2" (50mm)	100
1-1/2" (37.5mm)	95 to 100
3/4" (19mm)	65 to 95
3/8" (9.5mm)	45 to 75
No.4 (4.75mm)	35 to 60
No.10 (2mm)	25 to 45
No.50 (300um)	5 to 25
No.200 (75um)	0 to 10

**TYPICAL ASPHALT
PAVEMENT SECTION
DETAIL**
R-9

Drawing Date: 06/2016
Drawn By: PFT
Checked By:
Scale: NTS
Revision Date: 10/2011
File Name: a/r-9

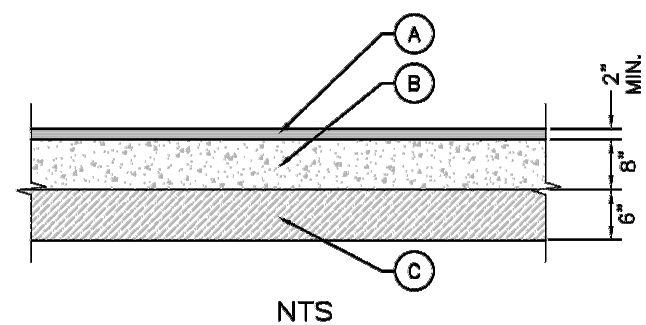


NOTES:

1. THIS DETAIL PERTAINS TO ALL UTILITY SANITARY AND STORM STRUCTURES WITHIN THE CITY OF DAYTONA BEACH RIGHT-OF-WAY.
2. ALL MATERIALS ARE TO BE APPROVED BY THE CITY ENGINEER AND THE PROJECT'S LICENSED SOILS ENGINEER PRIOR TO PLACEMENT.
3. COMPACTION STRENGTH & DENSITY TESTING ARE TO BE DONE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROADWAY & BRIDGE CONSTRUCTION, LATEST EDITION.
4. WHERE SOIL CONDITIONS CAN NOT BE MAINTAINED AS SHOWN ABOVE, PROVIDE APPROVED METHOD OF CONSTRUCTION.
5. SHEETING WILL BE REQUIRED AS DETERMINED BY FIELD CONDITIONS.
6. ALL CURBING MATERIAL SHALL BE CONSISTENT WITH EXISTING AND SHALL HAVE LAPPED & FEATHERED JOINTS @ 9" MIN. TH.
7. CONTRACTOR MAY LAID FLOWABLE FILL IN LIEU OF RECYCLED CONC. UNDER THE APPROVAL FROM THE CITY ENGINEER OR DESIGNER.
8. TRENCH WIDTH (TW) = STRUCTURE WIDTH (CENTERED) + 24" (MINIMUM).
9. EXISTING BASE DEPTH.
10. TEMPORARY PATCH MAY BE RECYCLED ASPHALT, FDOT APPROVED COLD PATCH OR APPROVED EMO.
11. FINAL PATCH TO BE 3" MIN. SP. 95.
12. PATCH SHALL BE TOTAL ROADWAY WIDTH UNLESS DIRECTED BY CITY ENGINEER.

PAVEMENT CUT & PATCH
OVER UTILITY STRUCTURE
DETAIL
R-8

Drawing Date:	7/2013
Drawn By:	PFT
Checked By:	
Scale:	NTS
Revision Date:	07/2013
File Name:	dlr-B



- (A) ASPHALT PAVEMENT:
2" MIN. ASPHALT BITUMINOUS CONCRETE TYPE SP-9.5 SEE NOTE 2
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**TYPICAL ASPHALT
PAVEMENT SECTION
DETAIL**
R-9

Drawing Date: 06/2016
Drawn By: PFT
Checked By:
Scale: NTS
Revision Date: 10/2011
File Name: a/r-9



**ZEV COHEN
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300 INTERCHANGE BLVD., STE. C
ORMOND BEACH, FL 32174
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CIVIL ENGINEERING

LANDSCAPE ARCHITECTURE

ENVIRONMENTAL

PLANNING

TRANSPORTATION

[illegible]

**DERBYSHIRE SIDEWALKS PHASE 1
THIRD STREET AND VINE STREET
100% PLANS
CONSTRUCTION DETAILS**

WOLLEISIA COUNTY, E.

CITY OF DAYTONA BEACH

PROJECT NO: ZC17045

ISSUE DATE: 03-26-2018

DESIGNED BY: KR

DRAFTED BY: TL

CHECKED BY: BWS

DRAWING FILE: 16-20-17045DET
XREF'S: 17045TIB.DWG
XREF'S:

1

KRISTOPHER ROWLEY, P.E. NO. 84263
NOT VALID WITHOUT SEAL

SCALE: AS NOTED

SHEET: C19

