

COMPONENTS OF CONTRACT PLANS SET
ROADWAY PLANS

A DETAILED INDEX APPEARS ON THE
KEY SHEET OF EACH COMPONENT

INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SUMMARY OF PAY ITEMS
3	TYPICAL SECTIONS
4	PROJECT LAYOUT
5	GENERAL NOTES
6-16	PLAN AND PROFILE SHEETS
17	DRAINAGE STRUCTURE
18	SPECIAL DETAILS
19-28	CROSS SECTIONS
29-36	DRIVEWAY CROSS SECTIONS
37	STORMWATER POLLUTION PREVENTION PLAN
SQ-1 - SQ-4	SUMMARY OF QUANTITIES

GOVERNING STANDARDS AND SPECIFICATIONS:

Florida Department of Transportation, July FY2021-22 Design Standards and revised Index Drawings as appended herein, and January 2021 Standard Specifications for Road and Bridge Construction, as amended by Contract Documents.

For Design Standards click on the "Design Standards" link at the following web site:

<http://www.fdot.gov/roadway/DS/18/STDs.shtm>

For the Standard Specifications for Road and Bridge Construction click on the "Specifications" link at the following web site:

<http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

BOARD OF COUNTY COMMISSIONERS

BOB DALLARI	DISTRICT 1
JAY ZEMBOWER	DISTRICT 2
LEE CONSTANTINE (CHAIRMAN)	DISTRICT 3
AMY LOCKHART	DISTRICT 4
ANDRIA HERR	DISTRICT 5

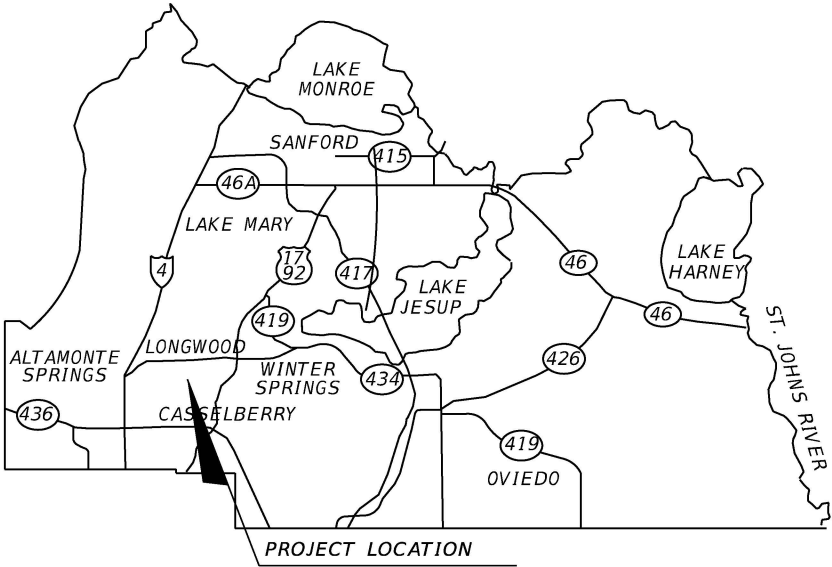
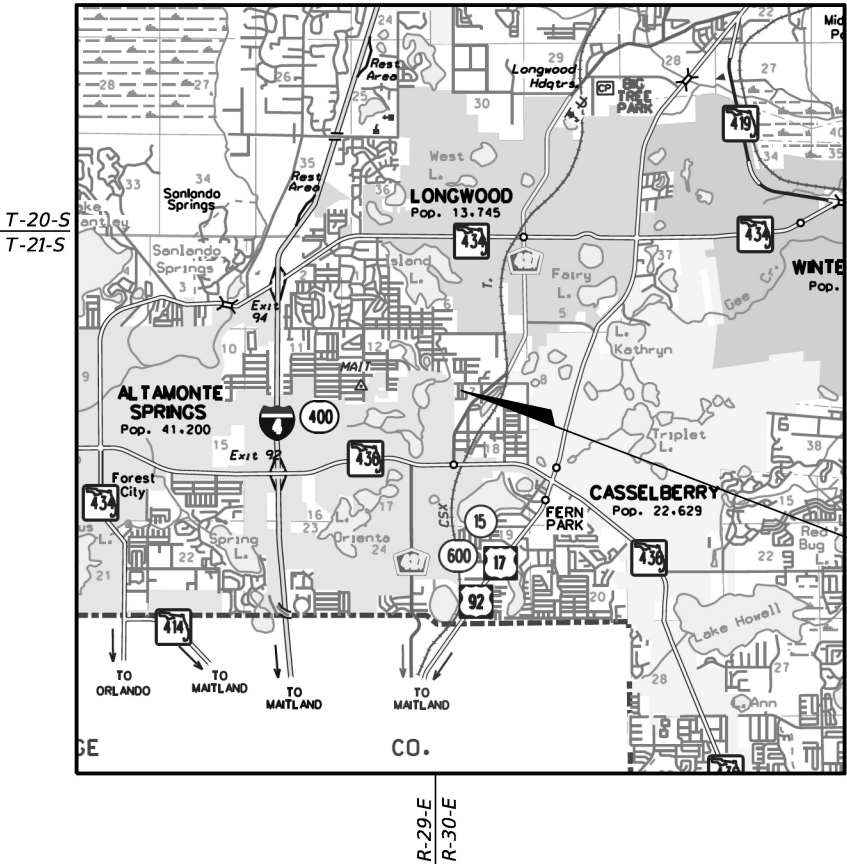
NICOLE GUILLET, COUNTY MANAGER

SEMINOLE COUNTY
ENGINEERING DIVISION

CONTRACT PLANS



HARMONY HOMES SUBDIVISION SIDEWALK
SEMINOLE COUNTY CIP No. 02107062



NOTE: THE SCALE OF THESE PLANS MAY
HAVE CHANGED DUE TO REPRODUCTION.

SEMINOLE COUNTY PUBLIC WORKS ENGINEERING
PROJECT MANAGER: REBECCA PLUMLEE, E.I.
100 E. FIRST STREET
SANFORD, FLORIDA 32771
(407) 665-2839

ROADWAY PLANS
ENGINEER OF RECORD: DAVID W. MARTIN

P.E. NO.: 46744

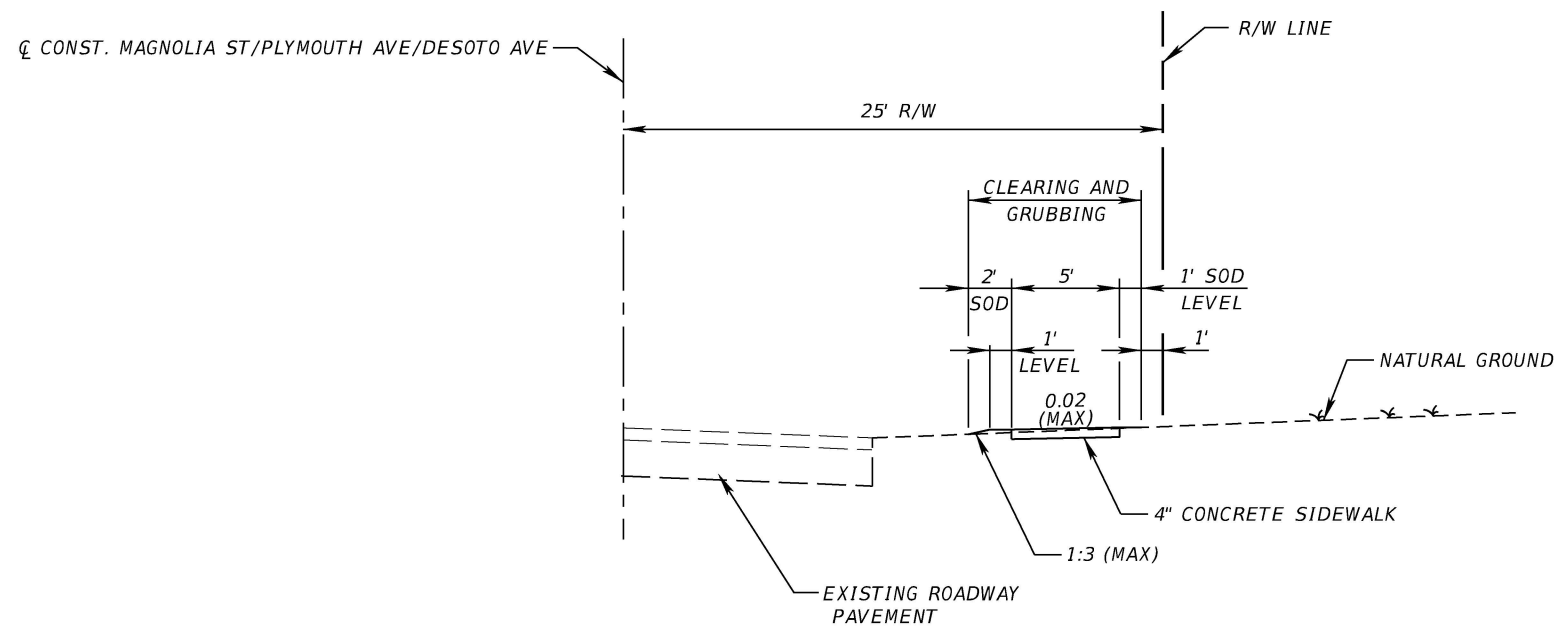
PUBLIC WORKS DIRECTOR: JEAN JREIJ, P.E.

FISCAL YEAR	SHEET NO.
2021	1

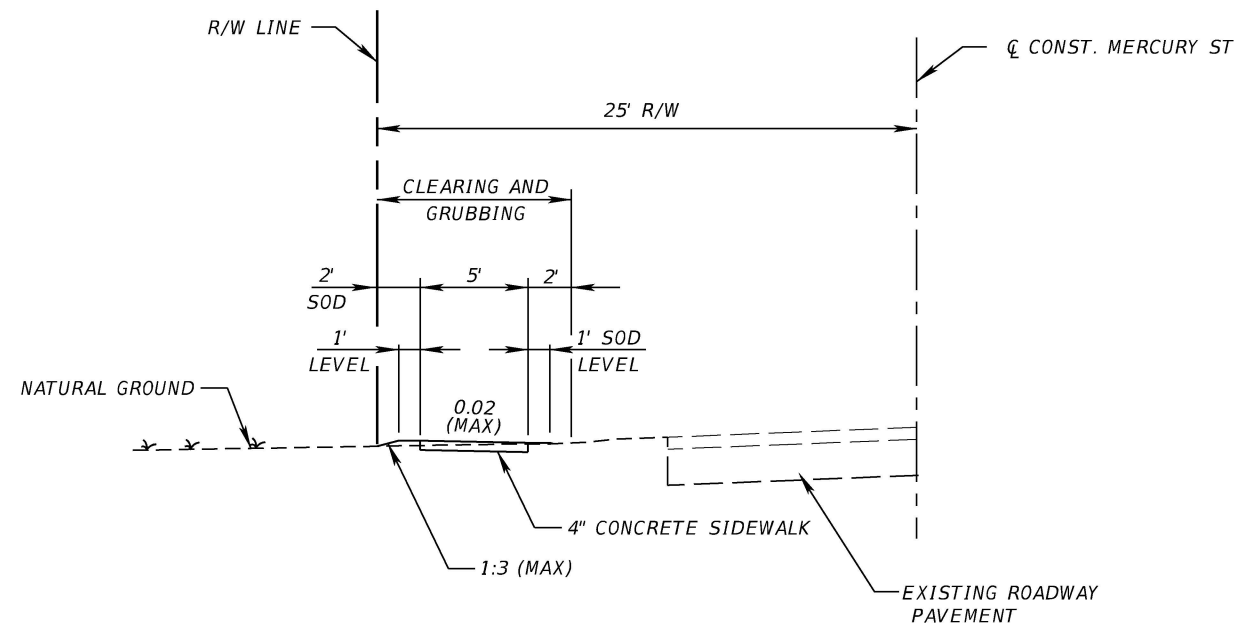
SUMMARY OF PAY ITEMS			
ITEM NUMBER	ITEM	UNIT	QUANTITY
101-1	MOBILIZATION	LS	
102-1	MAINTENANCE OF TRAFFIC	LS	
102-99	CHANGEABLE VARIABLE MESSAGE SIGN (TEMPORARY)	ED	
104-13-1	STAKED SILT FENCE (TYPE III)	LF	
104-18	INLET PROTECTION SYSTEM	EA	
110-1-1	CLEARING AND GRUBBING	LS	
110-4-1	REMOVAL OF EXISTING CONCRETE	SY	
120-1	REGULAR EXCAVATION	CY	
120-6	EMBANKMENT	CY	
425-1-910	INLET, CLOSED FLUME	EA	
430-1-323	CONCRETE PIPE CULVERT (CLASS III) 15"	LF	
515-1-2	PIPE HANDRAIL - GUIDERAIL ALUMINUM	LF	
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	
522-1	CONCRETE SIDEWALK 4" THICK	SY	
522-2	CONCRETE SIDEWALK 6" THICK	SY	
527-2	DETECTABLE WARNING (PERFORMED THERMOPLASTIC)	SF	
570-1-2	PERFORMANCE TURF, SOD	SY	
700-1-50	SINGLE POST SIGN (RELOCATE)	AS	
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID 12" FOR CROSSWALK	LF	
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID 24" FOR STOP LINE	LF	
711-17	THERMOPLASTIC, REMOVE EXIST. PAVEMENT MARKINGS	SF	

- 102-1 INCLUDES ALL ITEMS AND LABOR NECESSARY FOR THE IMPLEMENTATION OF THE TRAFFIC CONTROL PLAN DESIGNED BY THE CONTRACTOR AND APPROVED BY SEMINOLE COUNTY ENGINEERING. THE CONTRACTOR SHALL NOTIFY SURROUNDING RESIDENCES AND BUSINESSES OF THE CONSTRUCTION BY FLYER PROVIDED BY SEMINOLE COUNTY.
- 102-99 INCLUDES COST FOR 2 PCMS TO BE SET-UP 7 DAYS PRIOR TO CONSTRUCTION. CONTRACTOR TO COORDINATE LOCATION WITH SEMINOLE COUNTY PROJECT MANAGER.
- 110-1-1 INCLUDES THE COST OF REMOVAL AND DISPOSAL OF ALL OBSTRUCTIONS, SUCH AS ALL VEGETATION, DEBRIS, TRIMMING OF TREES AND SHRUBS, ROOT REMOVAL, WALL, FENCES, DRAIN FIELDS PIPE, PAVEMENT, AND OTHER ITEMS, IN ORDER TO CONSTRUCT THE PROJECT. NO TREES ARE TO BE REMOVED WITHOUT THE APPROVAL FROM THE SEMINOLE COUNTY PROJECT MANAGER.
- ALSO INCLUDES THE CUTS FOR SAWCUTTING EXISTING PAVEMENT OR CONCRETE REMOVAL AND THE COST OF STORMWATER DRAINAGE STRUCTURE REMOVAL AS INDICATED BY THE PLANS.
- INCLUDES THE COST OF IRRIGATION LINES DAMAGED DURING CONSTRUCTION ARE TO BE CAPPED IMMEDIATELY AND REPORTED TO THE SEMINOLE COUNTY ENGINEER INSPECTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND/OR REPLACE ALL DAMAGED IRRIGATION COMPONENTS TO THE PRE-CONSTRUCTION CONDITION AT HIS EXPENSE PRIOR TO COMPLETION OF THE PROJECT.
- 120-6 UNSUITABLE MATERIALS SHALL BE REMOVED FROM THE CONSTRUCTION AREAS AND BACK FILLED WITH SUITABLE MATERIALS. UNSUITABLE MATERIALS SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR.
- 520-1-10 INCLUDES THE COST FOR PAVEMENT DAMAGE REPLACEMENT RESULTING FROM INSTALLATION OF THE PROPOSED CURB AND GUTTER.
- 522-1 INCLUDES THE COST OF WATER VALVE AND WATER METER ADJUSTMENT AND OTHER UTILITY ADJUSTMENTS OR COORDINATION DUE TO SIDEWALK PLACEMENT. INCLUDES THE COST OF CURB RAMPS AND THICKENED EDGE FOR HANDRAIL. NO CURING COMPOUND SHALL BE APPLIED.
- 570-1-2 INCLUDES THE COST AND APPLICATION OF FERTILIZER AND WATER IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. TYPES OF SOD MAY VARY. CONTRACTOR TO MATCH EXISTING SOD.
- 700-1-50 INCLUDES THE COST OF NEW POST IF NECESSARY TO MEET THE STANDARD MOUNTING HEIGHT REQUIREMENTS.

REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		SUMMARY OF PAYITEMS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		2
					HARMONY HOMES	02107062		



TYPICAL SECTION
 STA. 70+16.44 TO STA. 72+53.38 (MAGNOLIA ST)
 STA. 30+18.05 TO STA. 38+52.90 (PLYMOUTH AVE)
 STA. 50+23.56 TO STA. 58+52.22 (DESOTO AVE)



TYPICAL SECTION
 STA. 10+17.95 TO STA. 19+65.58 (MERCURY ST)

REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		TYPICAL SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		3
					HARMONY HOMES	02107062		

CL MAGNOLIA ST

- ① STA. 72+18.54 (22.83' RT)
PROJECT CONTROL PT. #4
NORTHING: 1578547.52
EASTING: 541687.17
ELEVATION: 74.71

CL PLYMOUTH AVE

- ② STA. 30+35.74 (13.58 LT)
PROJECT CONTROL PT. #3
NORTHING: 1577725.85
EASTING: 541456.51
ELEVATION: 77.76

- ③ STA. 34+44.89 (13.18 LT)
PROJECT CONTROL PT. #2
NORTHING: 1578135.00
EASTING: 541456.05
ELEVATION: 72.08

- ④ STA. 38+53.17 (12.78 LT)
PROJECT CONTROL PT. #1
NORTHING: 1578543.28
EASTING: 541455.59
ELEVATION: 71.71

CL DESOTO AVE

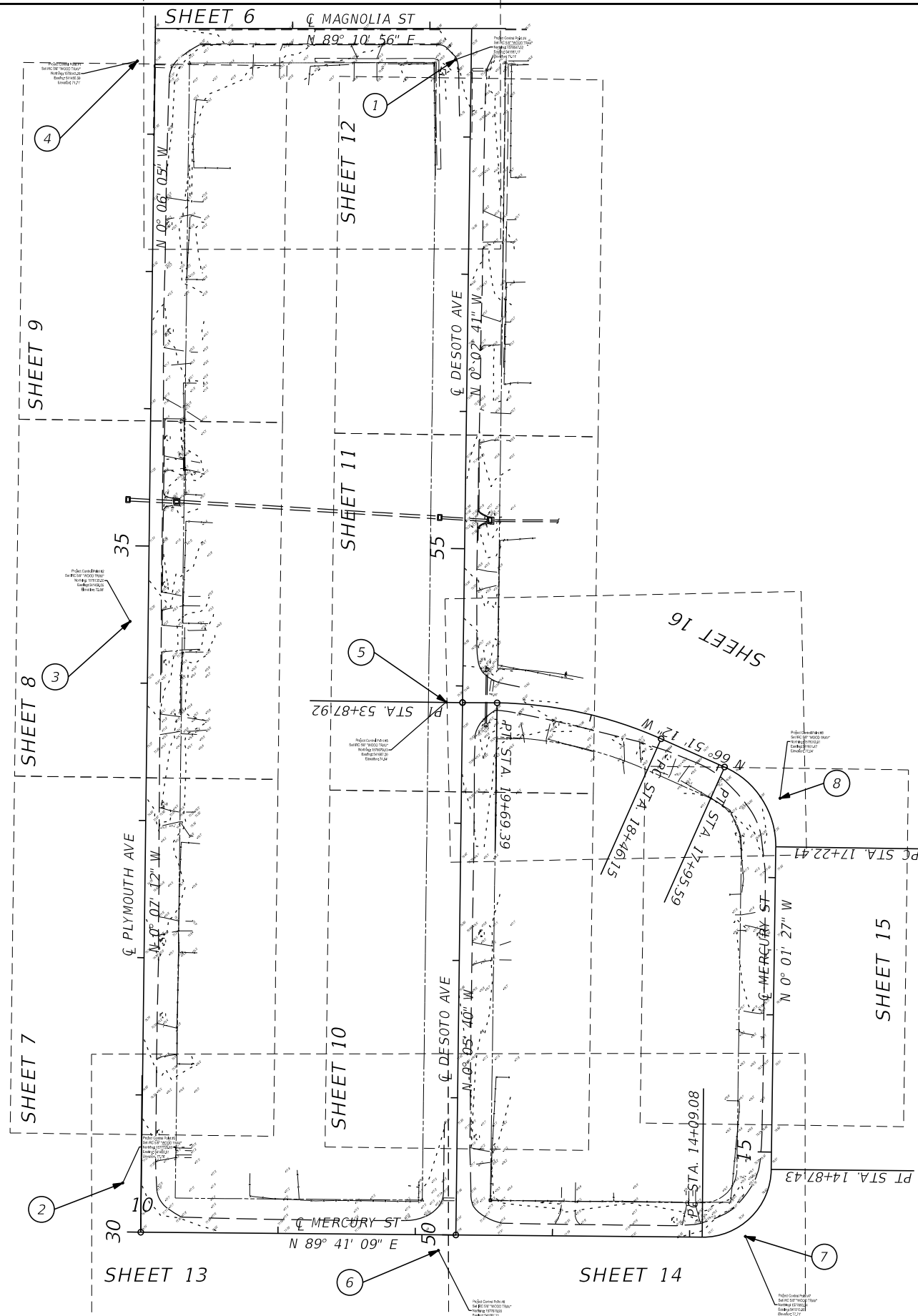
- ⑤ STA. 53+88.15 (11.95 LT)
PROJECT CONTROL PT. #5
NORTHING: 1578079.53
EASTING: 541687.20
ELEVATION: 74.94

CL MERCURY ST

- ⑥ STA. 12+17.01 (11.40 RT)
PROJECT CONTROL PT. #6
NORTHING: 1577679.93
EASTING: 541687.23
ELEVATION: 77.89

- ⑦ STA. 14+37.60 (8.46 RT)
PROJECT CONTROL PT. #7
NORTHING: 1577693.34
EASTING: 541910.80
ELEVATION: 77.71

- ⑧ STA. 17+53.57 (11.67 RT)
PROJECT CONTROL PT. #8
NORTHING: 1578012.91
EASTING: 541931.47
ELEVATION: 77.04



REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		PROJECT LAYOUT AND CONTROL	SHEET NO. 4
DATE	DESCRIPTION	DATE	DESCRIPTION		ROAD	COUNTY CIP No.		

PROJECT NOTES

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN DATUM OF 1988 (NAVD 88) AND FIELD SURVEY BY WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. DATED 4/2/2019.
2. ANY PUBLIC LAND CORNER OR COUNTY MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE SEMINOLE COUNTY SURVEYOR, SEMINOLE COUNTY PUBLIC WORKS DEPARTMENT IMMEDIATELY BY PHONE @ (407) 665-5656.
3. PROJECT STATIONS AND OFFSETS ARE BASED ON Q. NORTH ST, Q. PINE ST, Q. OAK ST, Q. GUM ST. SAME AS Q SURVEY SHOWING ON SURVEY PREPARED BY WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC. DATED 4/2/2019.
4. ONE WEEK PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A "CONSTRUCTION PERMIT" FROM SEMINOLE COUNTY PUBLIC WORKS ENGINEERING DIVISION. CONTACT PERMIT COORDINATOR AT 100 E. FIRST STREET, SANFORD, FLORIDA 32773. TELEPHONE (407) 665-5674. NO FEES REQUIRED.
5. SPECIAL ATTENTION IS DIRECTED TO STANDARD SPECIFICATION 522 AND DESIGN STANDARD INDEXES 304 AND 310.
6. ALL PERSONAL PROPERTY WITHIN THE RIGHT-OF-WAY SHALL BE RELOCATED BY THE PROPERTY OWNER OR IT SHALL BE REMOVED BY THE CONTRACTOR AS NECESSARY TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE PLANS.
7. ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THE CONSTRUCTION WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER, THAN THE EXISTING PRE-CONSTRUCTION CONDITION, UNLESS SPECIFICALLY EXEMPTED BY THE PLAN. COST TO BE INCIDENTAL TO CONSTRUCTION AND NO EXTRA COMPENSATION TO BE ALLOWED.
8. EXISTING UTILITY LOCATIONS SHOWN IN THE PLANS ARE ONLY APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSABILITY TO HAVE ALL EXISTING UNDERGROUND UTILITIES LOCATED IN THE FIELD AND NOTIFY ALL UTILITY OWNERS WHETHER PUBLIC OR PRIVATE, WITH FACILITIES IN THE AREA OF CONSTRUCTION ACTIVITIES FOR POSSIBLE CONFLICTS AND COORDINATE ANY ADJUSTMENT AND/OR RELOCATION AS NECESSARY TO COMPLETE THE PROJECT. ALL NOTIFICATIONS TO BE MADE ONE WEEK PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTACT SUNSHINE STATE ONE-CALL 1-800-432-4770.
9. IT IS THE RESPONSABILITY OF THE CONTRACTOR TO COMPLY WITH THE CURRENT STATE UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT AND/OR RELATED STATE LAW. THE FOLLOWING INFORMATION IS BEING PROVIDED BY SEMINOLE COUNTY IN AN EFFORT TO ASSIST THE CONTRACTOR BY LISTING UTILITIES THAT MAY PROVIDE SERVICE IN THE APPROXIMATE AREA OF THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHOULD ASSUME OTHER UTILITIES THAT ARE NOT LISTED BELOW MAY PROVIDE SERVICE IN THE APPROXIMATE AREA OF THE PROPOSED CONSTRUCTION.

UTILITY (CONTACT)

PHONE

10. GRADE SIDEWALK FOR POSITIVE DRAINAGE, CROSS SLOPE NOT TO EXCEED 1:50 (2%). NO SIDEWALK SHALL HAVE A LONGITUDINAL GRADE (SLOPE) GREATER THAT 1:20 (5%), CURB RAMPS SHALL NOT EXCEED 1:12 (8.33%).
11. THE CONTRACTOR MAY FIELD-ADJUST THE LOCATION OF THE SIDEWALK, AS NECESSARY, TO MAINTAIN 1-FEET OFFSET DISTANCE TO ALL FIXED OBSTACLES AND VERTICAL DROP-OFFS. ANY ADJUSTMENT MUST BE APPROVED BY SEMINOLE COUNTY ENGINEERING INSPECTOR PRIOR TO PLACEMENT OF ANY CONCRETE.
12. IT IS THE RESPONSABILITY OF THE CONTRACTOR TO CHECK ALL CONCRETE FORMS PRIOR TO CONCRETE BEING POURED AND CONFIRM THAT THE FINISHED SIDEWALK AND/OR CURB RAMP MEET ADA REQUIREMENTS AS INTENDED. FAILURE TO DO SO MAY RESULT IN THE REMOVAL AND REPLACEMENT OF THE CONCRETE AT THE CONTRACTOR'S EXPENSE.
13. A MINIMUM OF 2 FEET ON BOTH SIDES OF THE SIDEWALK SHALL BE RE-SODDED AND ALL DISTURBED AREAS WILL BE RE-SODDED TO MATCH THE EXISTING SOD TYPE, UNLESS OTHERWISE NOTED IN THE PLANS. SOD SHALL BE CERTIFIED "SODA APPLE FREE". SUBCONTRACTOR SHALL REMOVE AND REPLACE ANY AREAS INFESTED FOR A PERIOD OF ONE YEAR FROM THE COMPLETION OF THE PROJECT.
14. SOIL MATERIALS USED FOR FILL OR GRADING ACTIVITIES SHALL BE APPROVED FOR USE BY THE SEMINOLE COUNTY ENGINEERING INSPECTOR PRIOR TO USE.
15. ANY GRASSED AREA OUTSIDE THE IMMEDIATE CONSTRUCTION AREA DISTURBED BY THE CONTRACTOR WILL BE SODDED AT THE CONTRACTOR'S EXPENSE. WITHIN 48 HOURS OF NOTIFICATION BY THE SEMINOLE COUNTY PROJECT MANAGER.
16. IRRIGATION LINES DAMAGED DURING CONSTRUCTION ARE TO BE CAPPED IMMEDIATELY AND REPORTED TO THE SEMINOLE COUNTY ENGINEER INSPECTOR. IT IS THE RESPONSABILITY OF THE CONTRACTOR TO REPAIR AND/OR REPLACE THE DAMAGED IRRIGATION COMPONENTS TO PRE-CONSTRUCTION CONDITION AT HIS EXPENSE PRIOR TO COMPLETION OF THE PROJECT.
17. THE CONTRACTOR SHALL NOTIFY THE SEMINOLE COUNTY PROJECT MANAGER FOR A FIELD INSPECTION 24 HOURS PRIOR TO PLACEMENT OF ANY CONCRETE.
18. THE TEST REQUIREMENTS FOR CLASS 1 CONCRETE WILL BE WAIVED UPON PRESENTATION TO THE SEMINOLE COUNTY ENGINEERING INSPECTOR WITH A WRITTEN CERTIFICATION FROM THE PLANT THAT THE CONCRETE IS A FDOT CLAS 1 MIX FOR 3000 PSI CONCRETE.
19. THE CONTRACTOR SHALL REMOVE AND DISPOSE PROPERLY OF ALL CONSTRUCTION DEBRIS PRIOR TO COMPLETION OF THE PROJECT.
20. SHRUBS AND TREES THAT CONFLICT WITH THE PROPOSED SIDEWALK SHALL BE REMOVED. NO TREES ARE TO BE REMOVED WITHOUT THE APPROVAL FROM THE SEMINOLE COUNTY PROJECT MANAGER.
21. EXISTING DRAINAGE STRUCTURES TO REMAIN UNLESS OTHERWISE NOTED.
22. ANY DRAINAGE PROBLEMS, CREATED BY CONSTRUCTION OR EXISTING BEFORE CONSTRUCTION, THAT ARE NOT ALLEVIATED SHOULD BE BROUGHT TO THE ATTENTION OF THE SEMINOLE COUNTY ENGINEERING DIVISION PROJECT MANAGER.

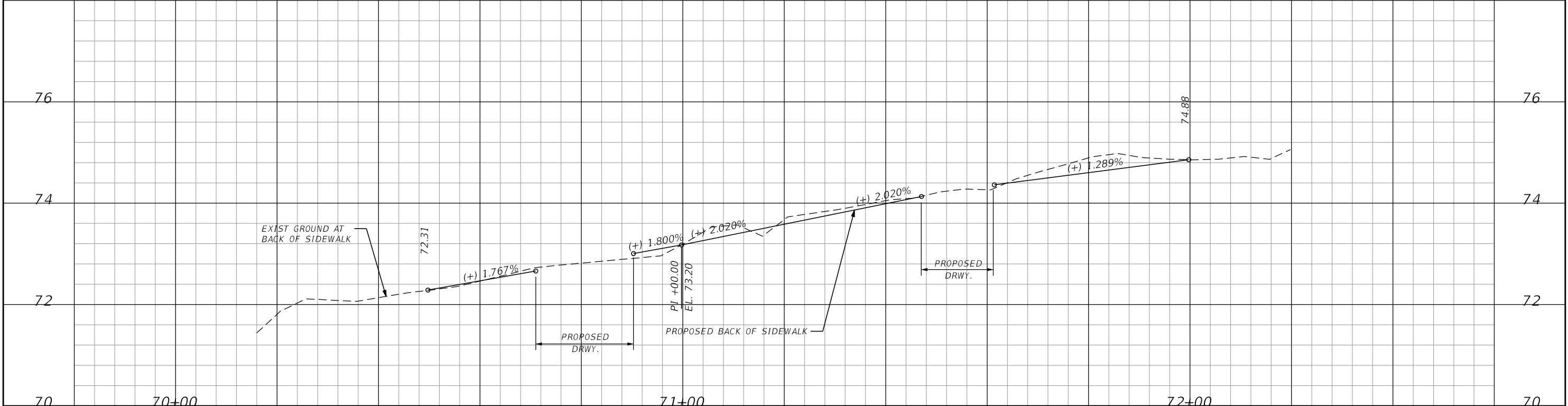
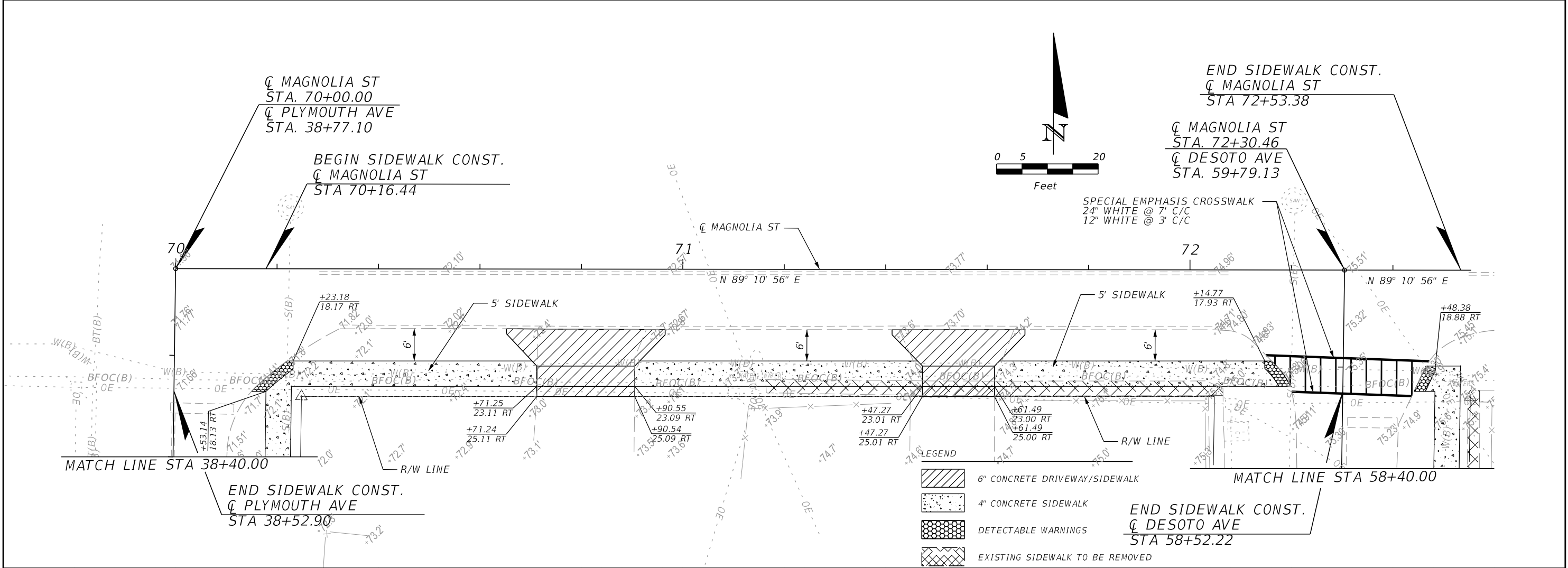
EROSION CONTROL NOTES

1. THE EROSION CONTROL MEASURES PER FDOT EROSION AND SEDIMENT CONTROL MANUAL ARE THE MINIMUN REQUIRED. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DUE TO FIELD CONDITIONS AS DETERMINED BY THE SEMINOLE COUNTY PROJECT MANAGER OR THE REGULATORY AGENCIES.
2. PROVIDE EROSION AND SEDIMENTATION CONTROL MEASURES CONSISTING OF STAKED SILT FENCES AND ADDITIONAL MEASURES AS NECESSARY, UTILIZING INDUSTRY STANDARD BEST MANAGMENT PRACTICES AND FOLLOWING REQUIREMENTS BELOW, TO AVOID ADVERSE IMPACTS TO JURISDICTIONAL AREAS (WETLANDS, WATER BODIES, AND UPLAND BUFFERS) AND OFF SITE LANDS AND WATER BODIES. MAINTAIN THESE MEASURES DAILY UNTIL CONSTRUCTION ACCEPTANCE BY SEMINOLE COUNTY AND THEN REMOVE AND LEGALLY DISPOSE OF SAID MEASURES.
3. NO DISCHARGE OF CONTAMINANTS INTO ADJACENT WETLANDS, WATER BODIES, OR UPLAND BUFFERS WILL BE PERMITTED AT ANY TIME.
4. DAMAGE TO WETLANDS AND/OR UPLAND BUFFERS ADJACENT TO CONSTRUCTION AREAS SHALL BE PREVENTED BY DELINEATING THE LIMITS OF CONSTRUCTION, AND INSTALLING SEDIMENT BARRIERS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, THEREBY RETAINING SEDIMENT WITHIN THE CONSTRUCTION AREA. CONTRACTOR WILL BE REQUIRED TO ADEQUATELY MAINTAIN THESE PROTECTION MEASURES AT ALL TIMES.
5. EROSION CONTROL AND DUST CONTROL SHALL BE MAINTAINED WITHIN CONSTRUCTION AREAS BY QUICKLY STABILIZING DISTURBED AREAS TO PREVENT THE RELEASE OF SEDIMENT. THIS SHALL BE ACCOMPLISHED USING GRASS COVER, TURBIDITY FENCES, PERIODIC WATERING, AND OTHER BEST MANAGMENT PRACTICES WHICH ARE ACCEPTABLE TO THE SEMINOLE COUNTY ENGINEERING INSPECTOR AND REGULATORY AGENCIES.
6. TURBIDITY BARRIERS SHALL BE USED TO PREVENT RELEASE OF SEDIMENT AND/OR TURBID WATER INTO SURROUNDING WATERS. THESE SEDIMENT AND TURBIDITY BARRIERS SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
7. ALL EROSION PREVENTION AND CONTROL MEASURES MUST BE INSPECTED AND APPROVED BY THE COUNTY COMPLIANCE PERSONNEL, AS REQUIRED, PRIOR TO ANY CONSTRUCTION ACTIVITIES. REMOVAL OF THESE SAME EROSION CONTROLS AND PREVENTION MEASURES MAY BE DONE ONLY AFTER AUTHORIZATION BY COUNTY PERSONNEL IS OBTAINED.
8. ALL SURFACE WATER DISCHARGE FROM SITE, INCLUDING DEWATERING DISCHARGE, SHALL MEET CURRENT STATE WATER QUALITY STANDARDS PRIOR TO REACHING ANY WATERS OF THE STATE INCLUDING WETLANDS.
9. ALL STORM DRAINAGE INLETS AND PIPES SHALL BE PROTECTED FROM SILT, SAND AND DEBRIS DURING CONSTRUCTION. ANY ACCUMMULATION WITHIN THE STORM DRAINAGE PIPE SYSTEM SHALL BE REMOVED WITHOUT PUMPING OR FLUSHING. STORM DRAINAGE SYSTEM SHALL BE CLEANED AND FREE OF DEBRIS PRIOR TO ENGINEER'S INPECTOR'S ACCEPTANCE.

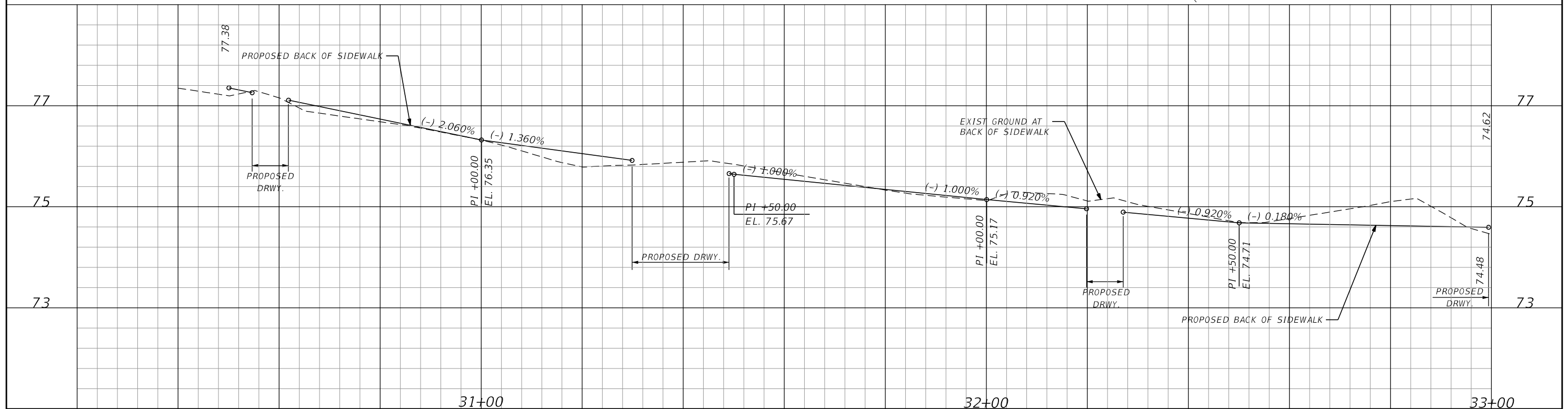
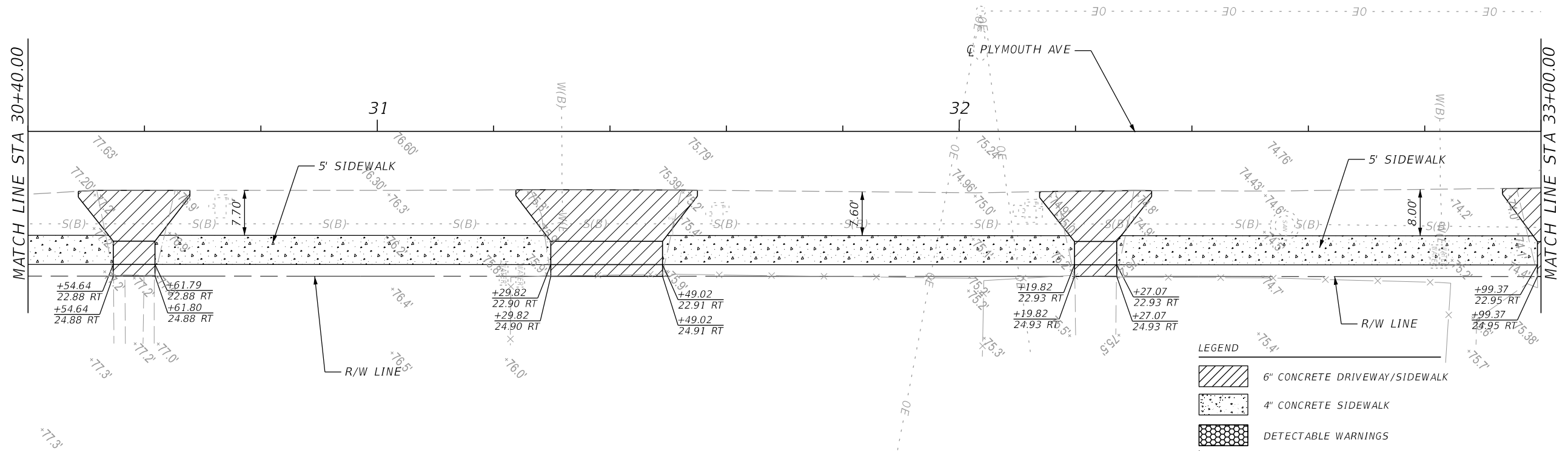
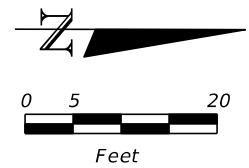
TEMPORARY TRAFFIC CONTROL NOTES

1. VEHICLULAR AND PEDESTRIAN TRAFFIC SHALL BE MAINTAINED IN ACORDANCE WITH FDOT DESIGN STANDARDS, INDEX 600 SERIES, AND THE SATANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS A MINIMUM.
2. SEMINOLE COUNTY IS ADMINISTERING THE CONSTRUCTION OF THIS PROJECT. IT IS THE COUNTY'S POLICIES TO PLACE THE RESPONSABILITY FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION ON THE CONTRACTOR. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT A TRAFFIC CONTROL PLAN SIGNED AND SEALED BY A STATE OF FLORIDA REGISTERED PROFESSIONAL ENGINEER TO THE COUNTY PRIOR TO BEGINNING THE PROJECT. THE APPLICATION AND REFERENCE OF SPECIFIC FDOT DESIGN STANDARD INDICES IS ACCEPTABLE.
3. WORK HOURS ARE FROM 8:00 A.M. TO 5:00 P.M. MONDAY TO FRIDAY. WORK WILL NOT BE ALLOWED ON WEEKENDS OR HOLIDAYS OBSERVED BY SEMINOLE COUNTY.
4. LANE CLOSURES SHALL BE PERMITTED ONLY DURING ACTIVE WORK PERIODS AND AS FOLLOWS:
MONDAY, TUESDAY, THURSDAY & FRIDAY : FROM 9:00AM TO 2:00PM
WEDNESDAY FROM 9:00AM TO 1:00PM
5. USE CHANGEABLE MESSAGE SIGNS AT BEGIN AND END PROJECT 500' BEFORE SIGNAGE (7) DAYS PRIOR TO CONSTRUCTION AND FOR THE PROJECT DURATION

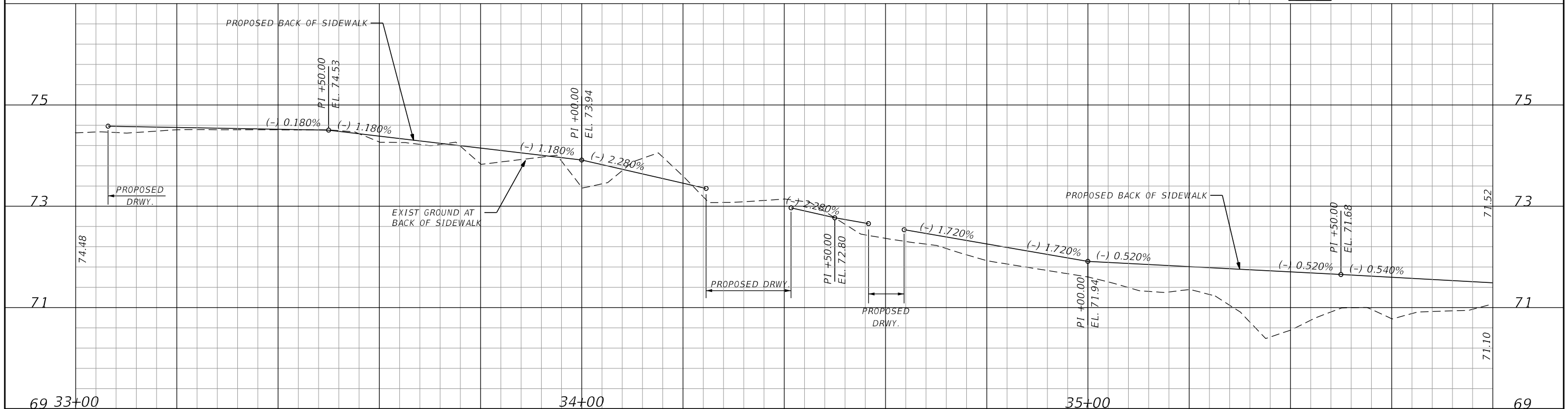
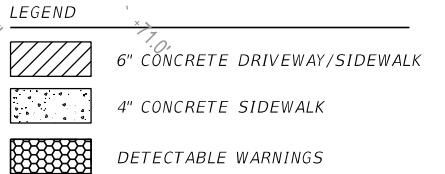
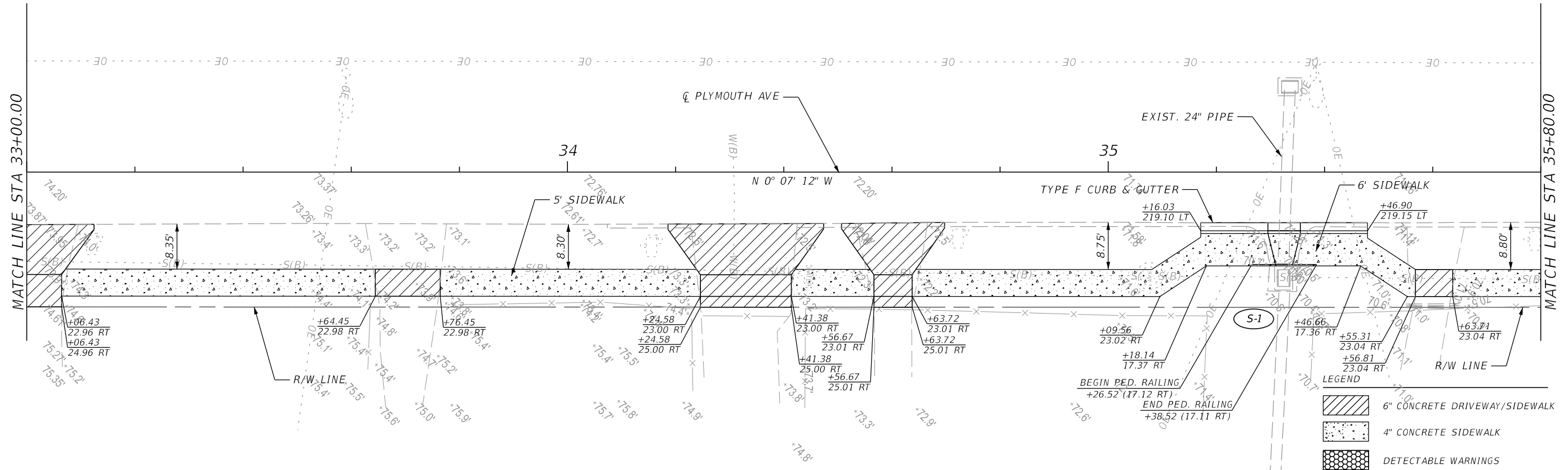
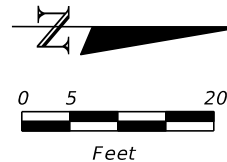
REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		GENERAL NOTES	SHEET NO.
DATE		DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		
					HARMONY HOMES	02107062		
							5	



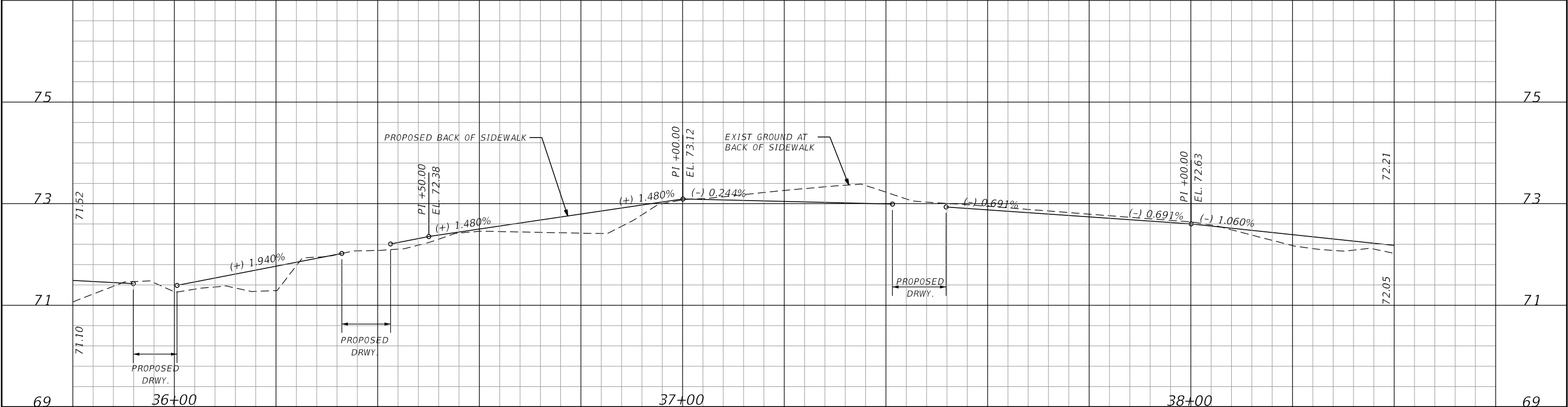
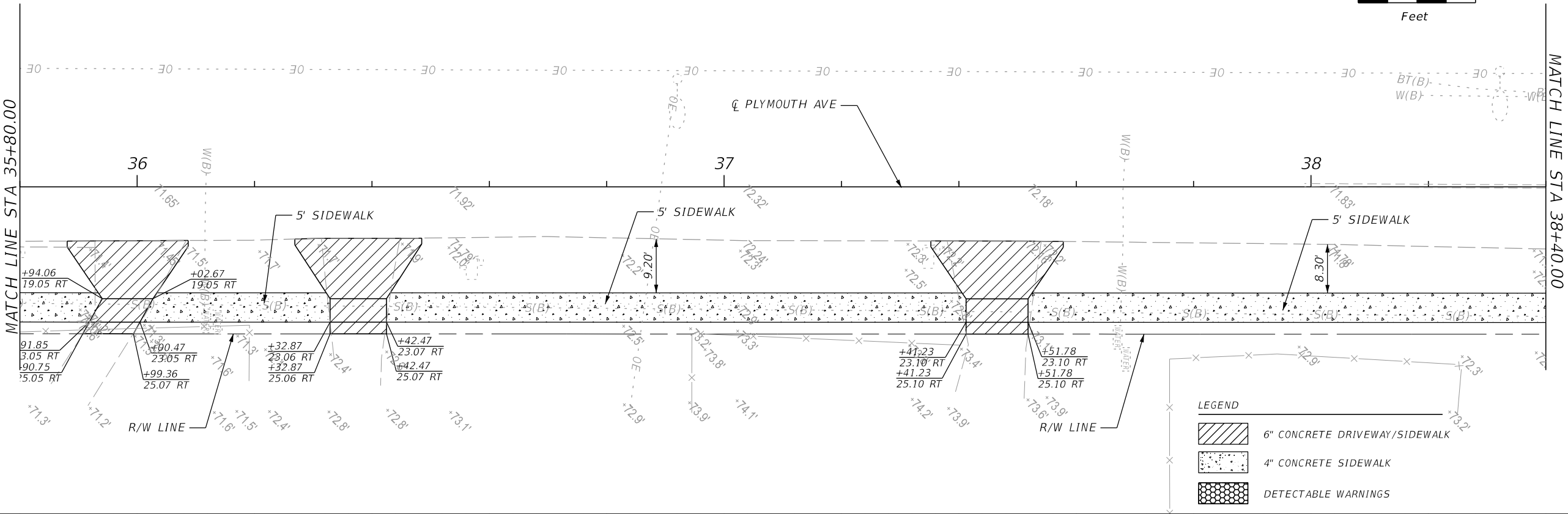
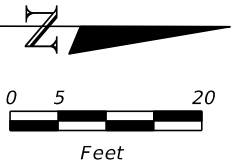
REVISIONS				SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN AND PROFILE	SHEET NO. 6
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		
					HARMONY HOMES	02107062		



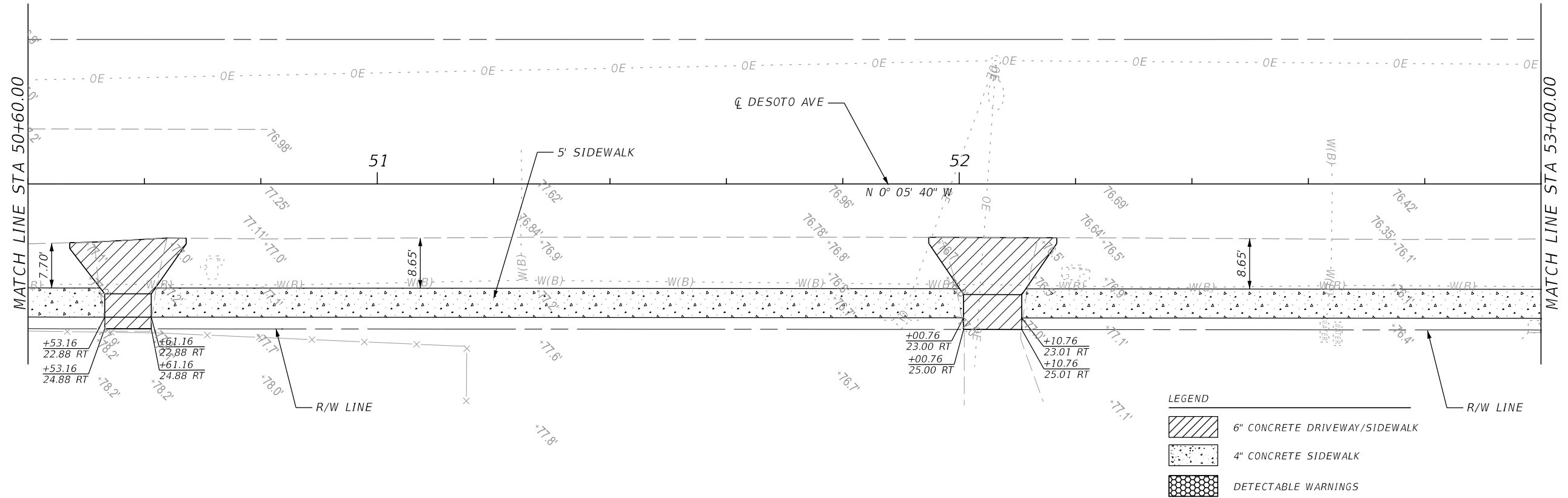
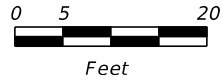
REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN AND PROFILE PLYMOUTH AVE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		7
					HARMONY HOMES	02107062		



REVISIONS				SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN AND PROFILE PLYMOUTH AVE	SHEET NO. 8
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		
					HARMONY HOMES	02107062		

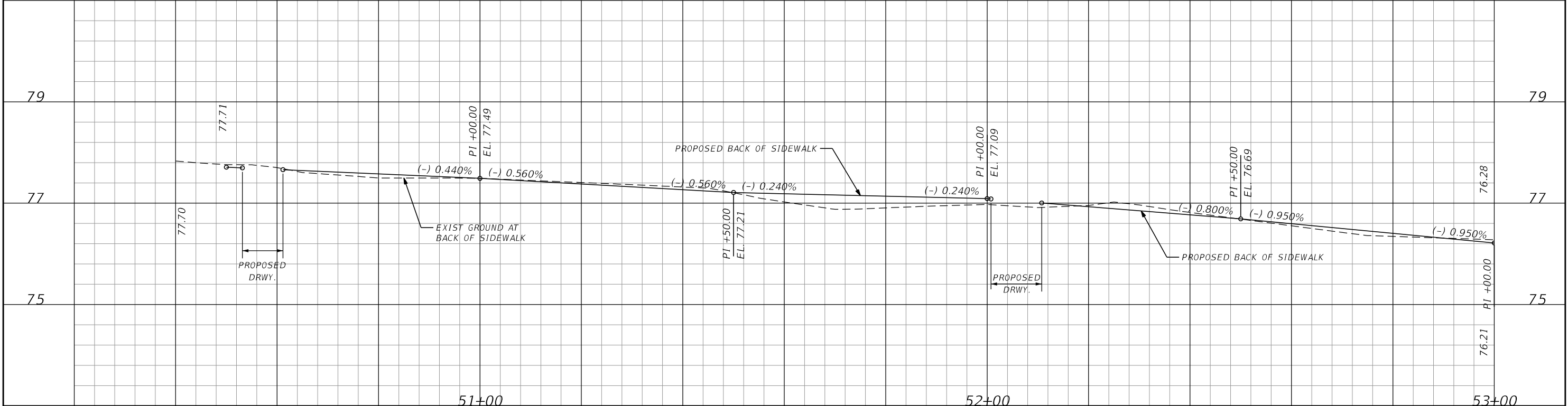


REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN AND PROFILE PYLMOUTH AVE		SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.			
					HARMONY HOMES	02107062	9		

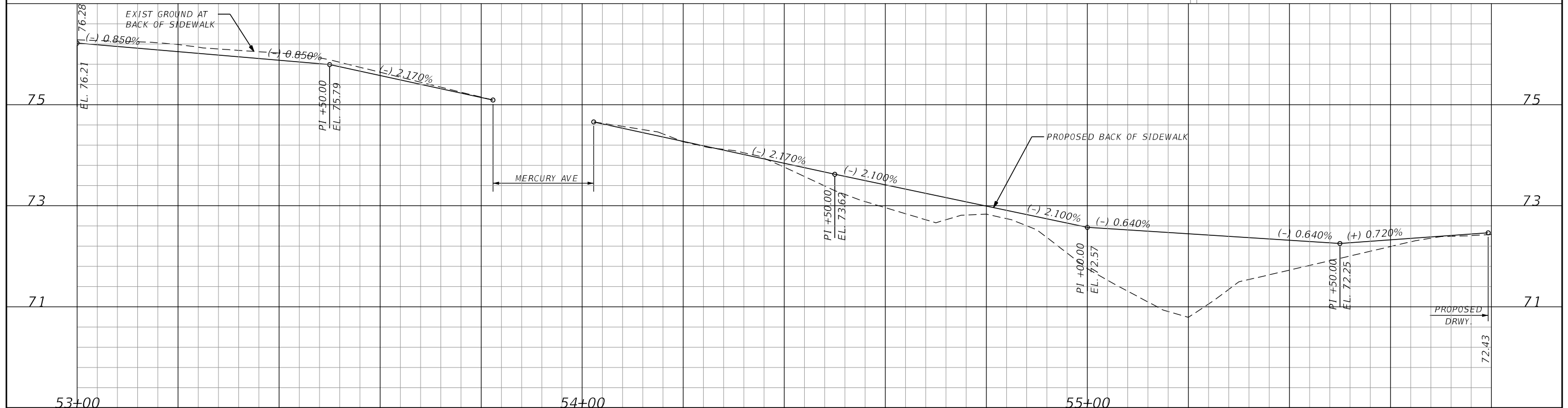
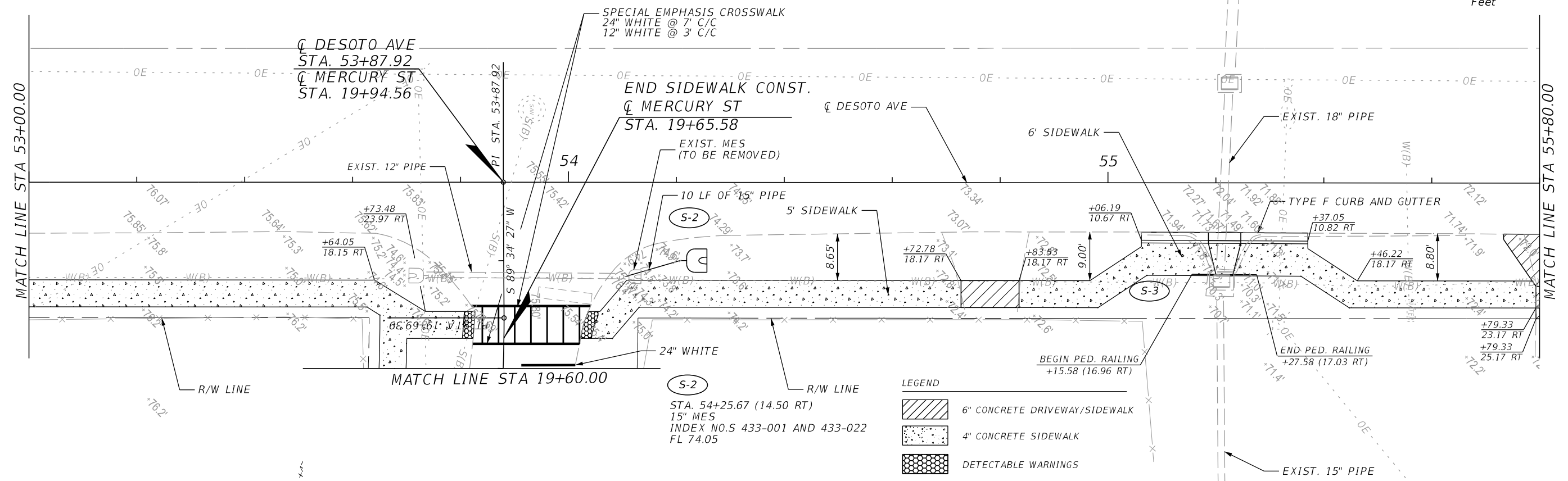
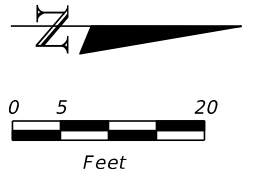


LEGEND

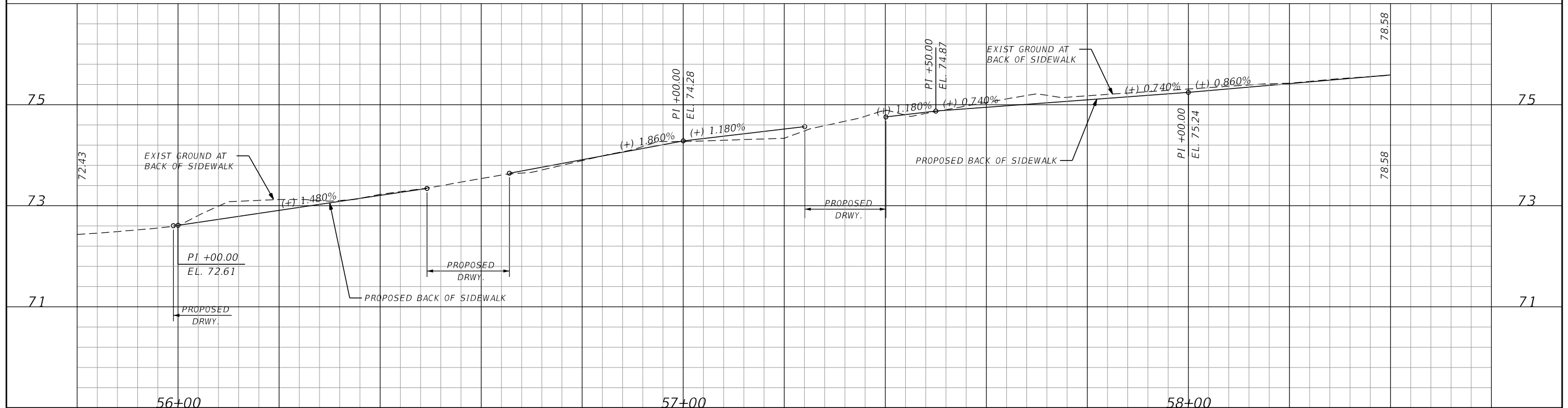
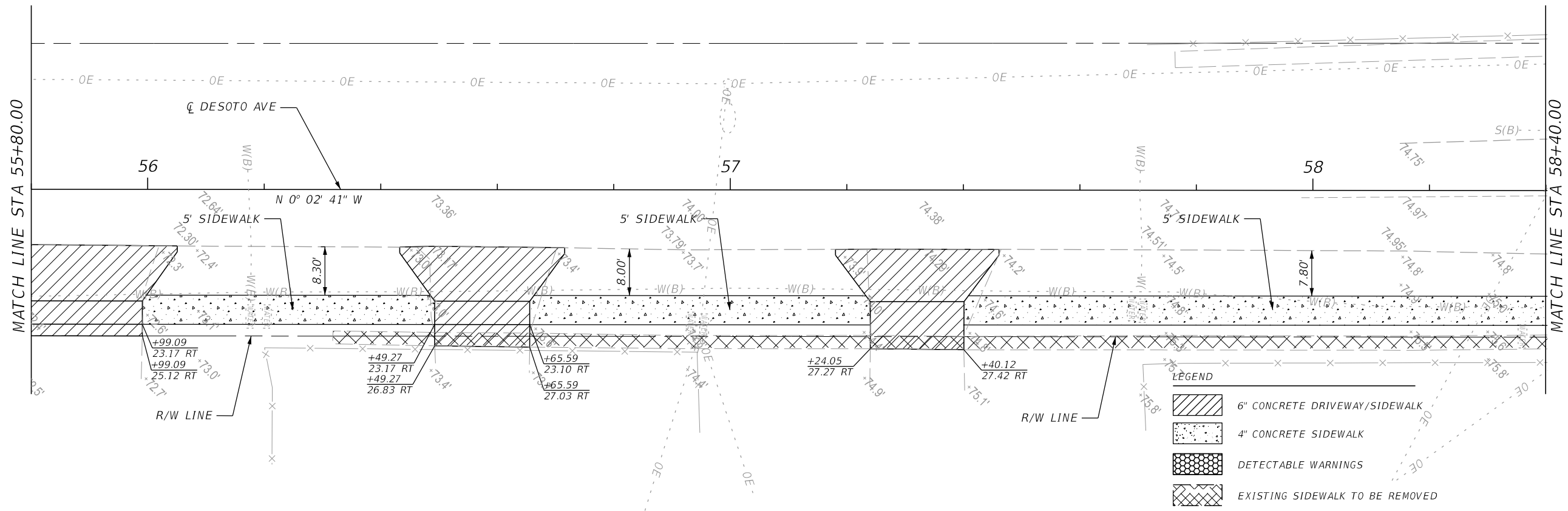
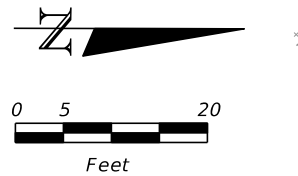
- 6" CONCRETE DRIVEWAY/SIDEWALK
- 4" CONCRETE SIDEWALK
- DETECTABLE WARNINGS



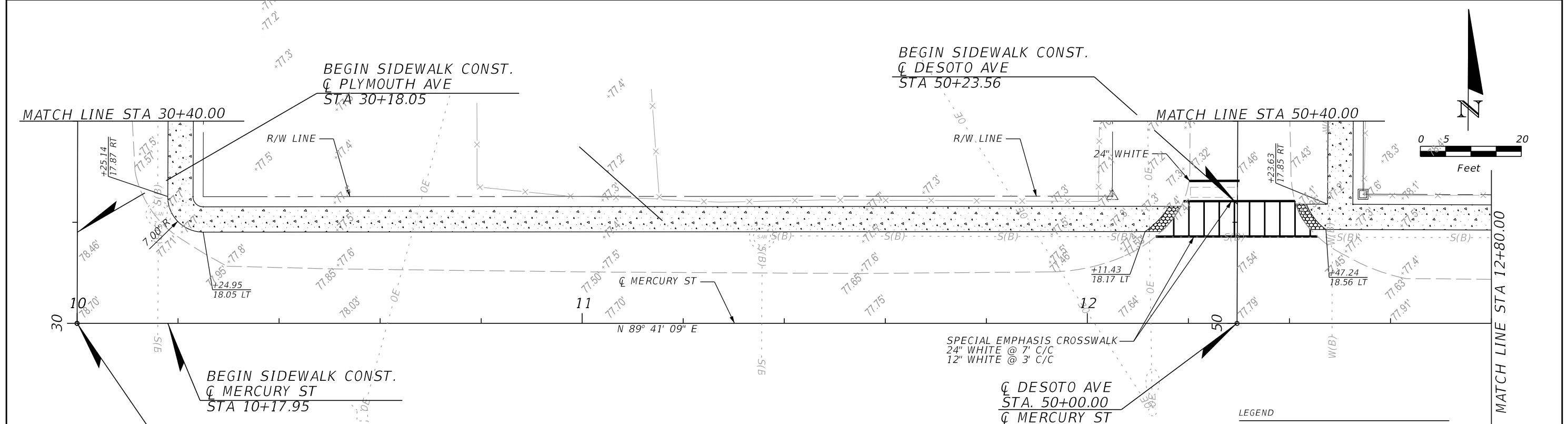
REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN AND PROFILE DESOTO AVE	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		10
					HARMONY HOMES	02107062		



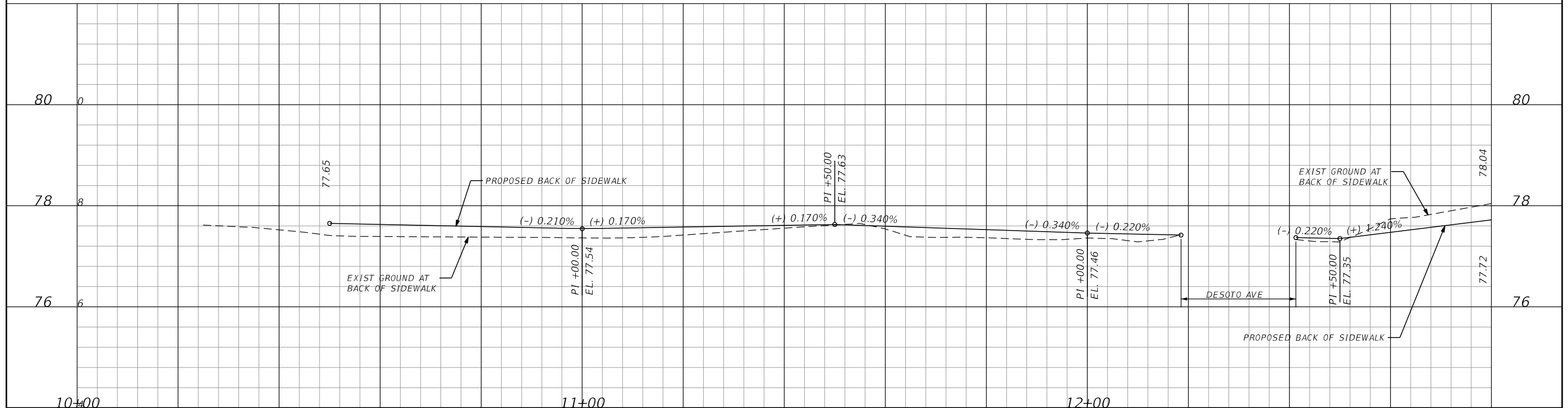
REVISIONS				SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN AND PROFILE DESOTO AVE	SHEET NO. 11
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		
					HARMONY HOMES	02107062		



REVISIONS				SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN AND PROFILE DESOTO AVE	SHEET NO. 12
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		
					HARMONY HOMES	02107062		

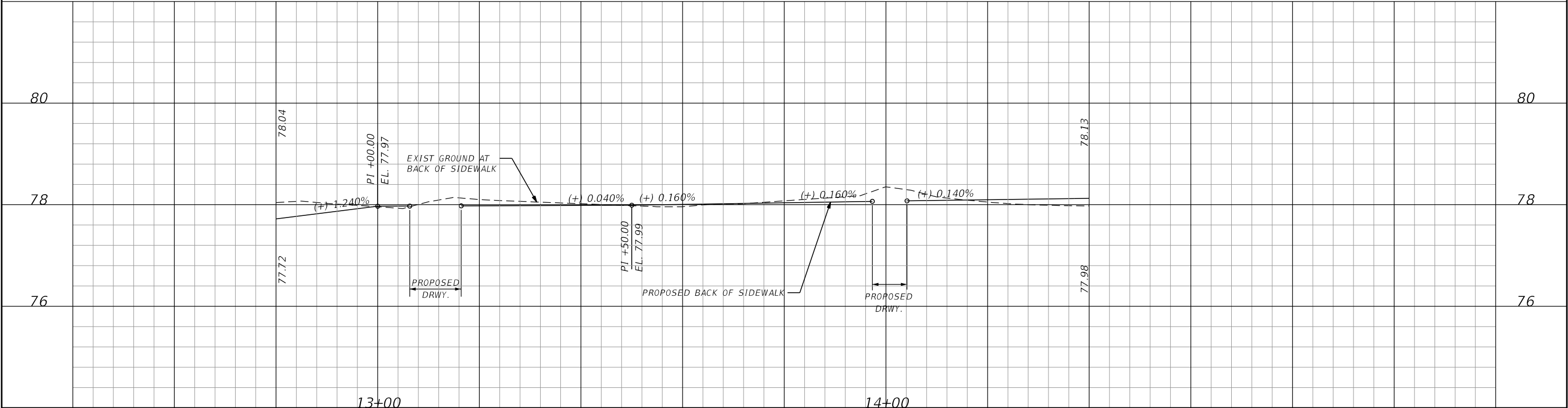
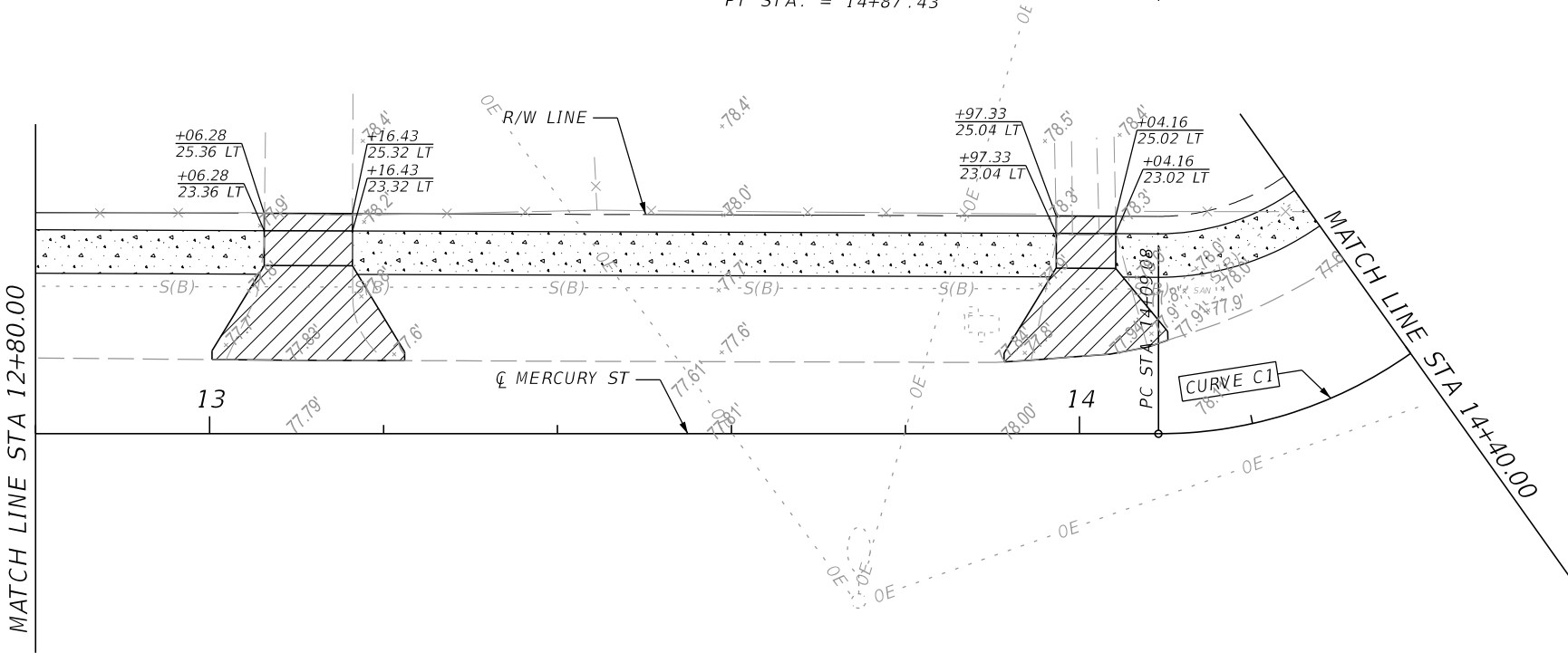
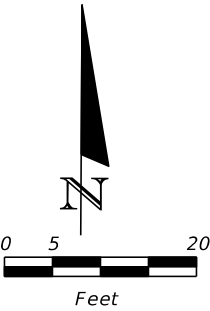


- LEGEND
- 6" CONCRETE DRIVEWAY/SIDEWALK
 - 4" CONCRETE SIDEWALK
 - DETECTABLE WARNINGS



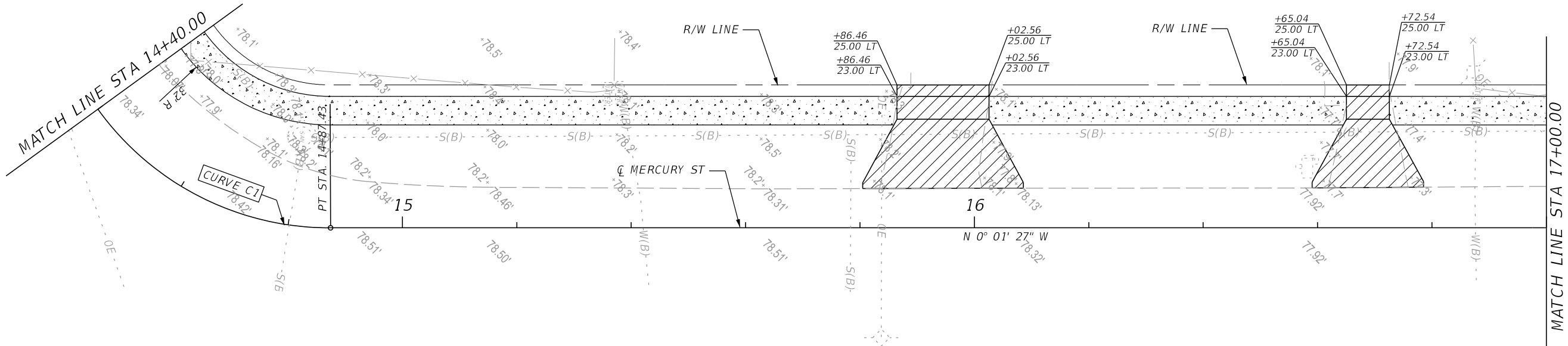
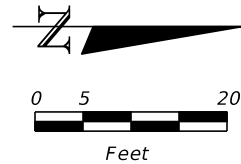
REVISIONS				SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN AND PROFILE MERCURY ST	SHEET NO. 13
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		
					HARMONY HOMES	02107062		

CURVE DATA C1
PI STA. = 14+58.95
Δ = 89° 57' 54" (LT)
D = 114° 49' 16"
T = 49.87
L = 78.35
R = 49.90
PC STA. = 14+09.08
PT STA. = 14+87.43



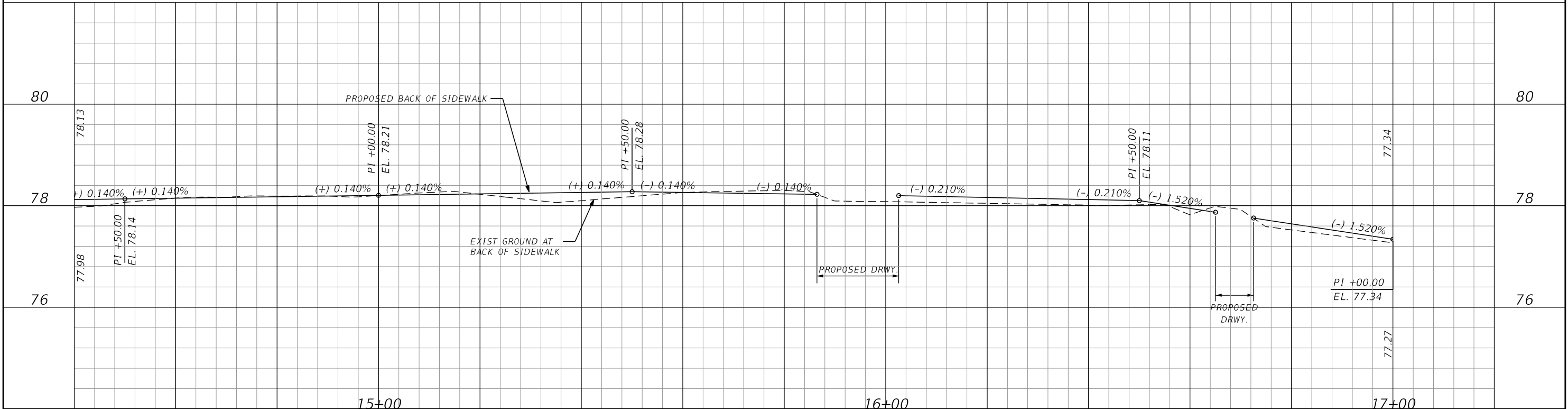
REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN AND PROFILE MERCURY ST	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		14
					HARMONY HOMES	02107062		

CURVE DATA C1
PI STA. = 14+58.95
Δ = 89° 57' 54" (LT)
D = 114° 49' 16"
T = 49.87
L = 78.35
R = 49.90
PC STA. = 14+09.08
PT STA. = 14+87.43

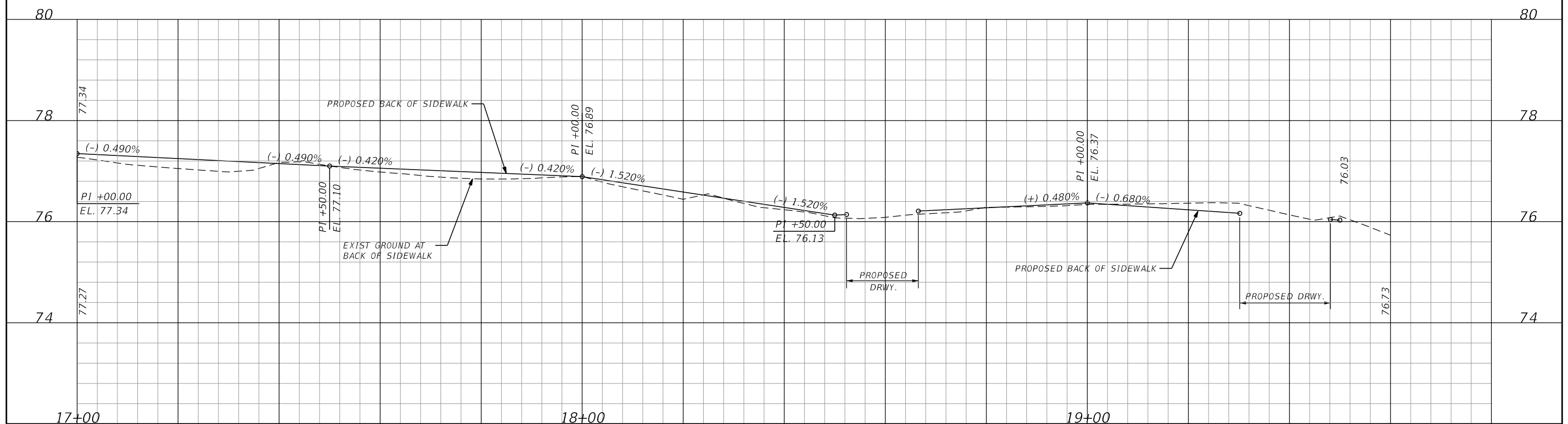
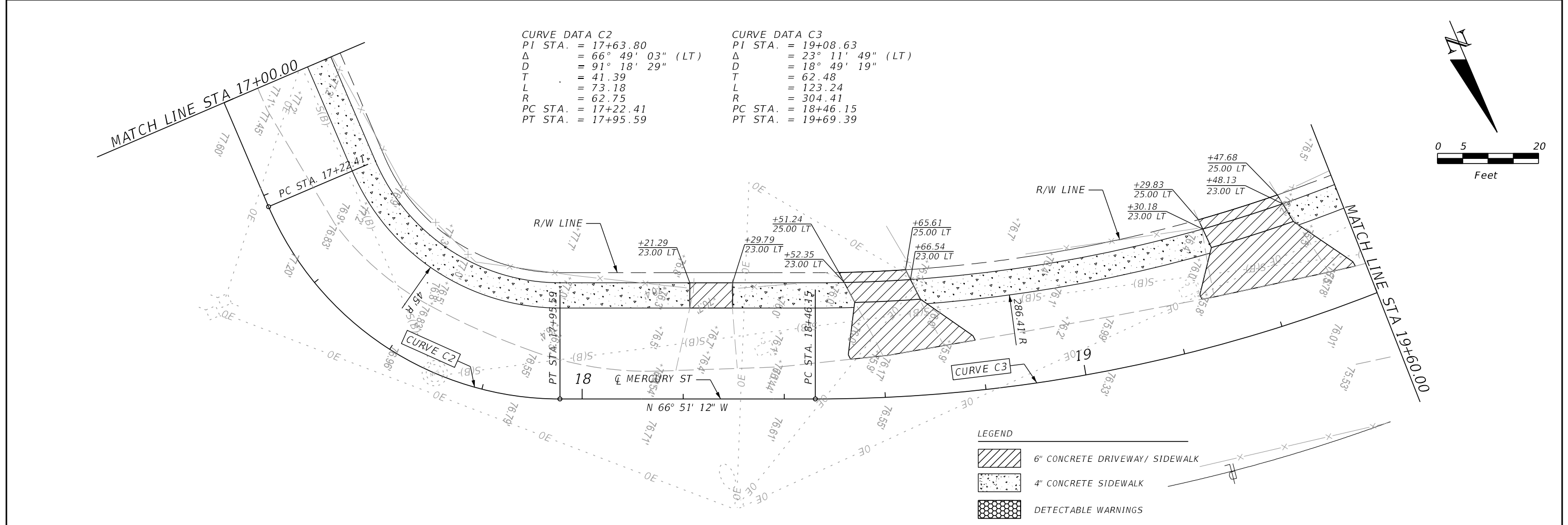


LEGEND

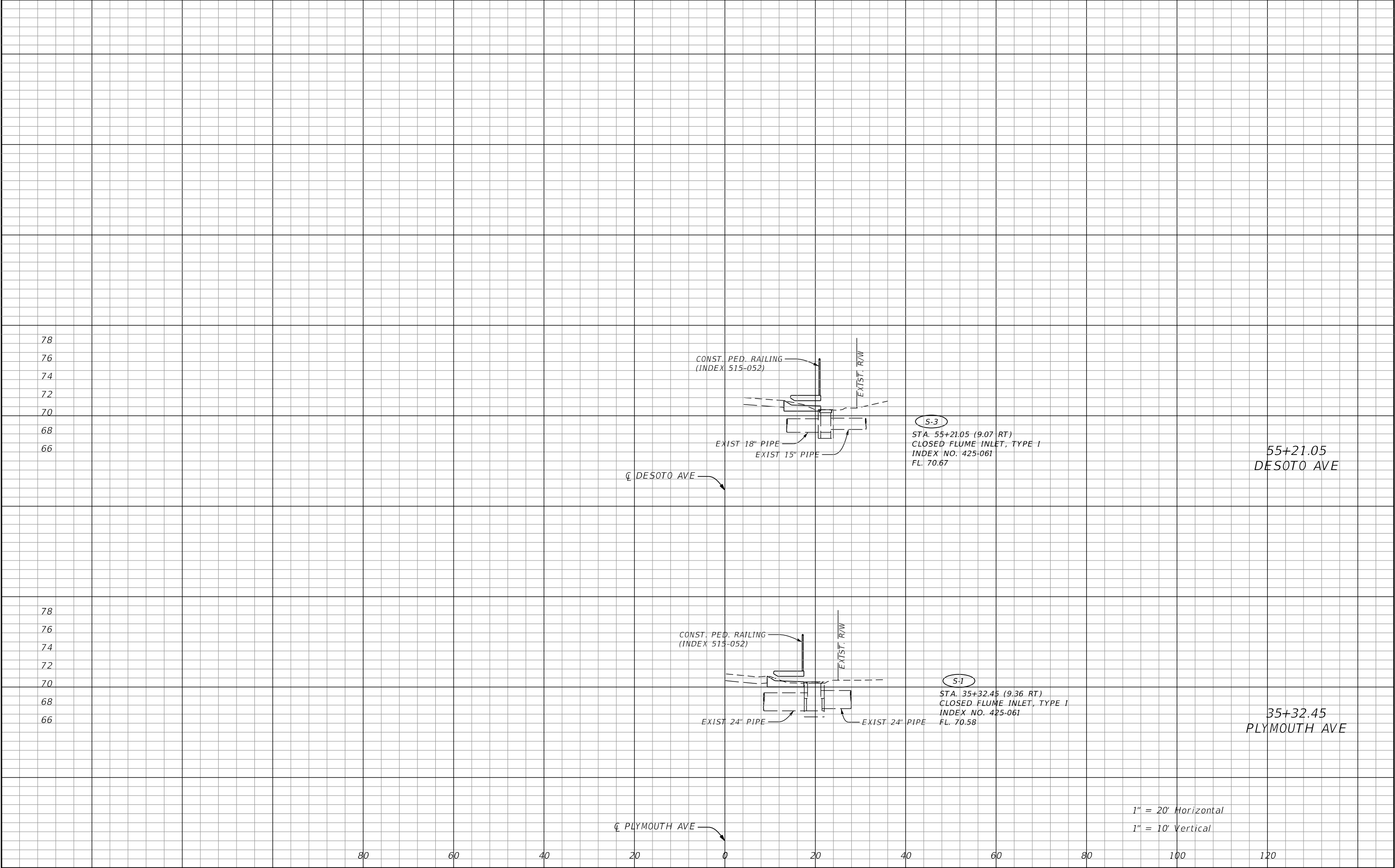
- 6" CONCRETE DRIVEWAY/ SIDEWALK
- 4" CONCRETE SIDEWALK
- DETECTABLE WARNINGS



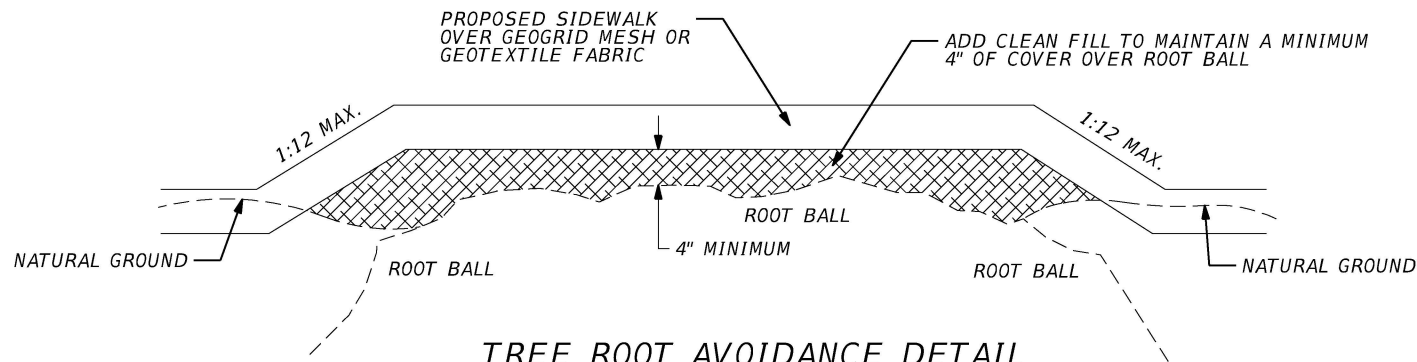
REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN AND PROFILE MERCURY ST	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		15
					HARMONY HOMES	02107062		



REVISIONS				SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		PLAN AND PROFILE MERCURY ST	SHEET NO. 16
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		
					HARMONY HOMES	02107062		

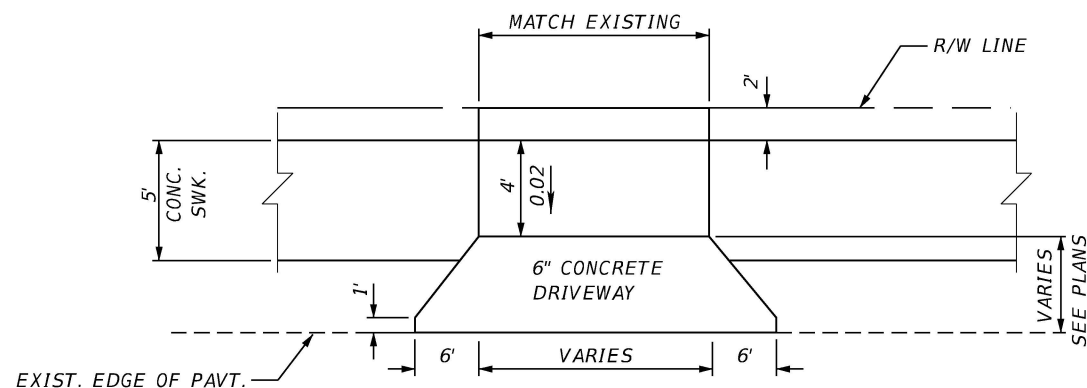


REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	ENGINEERING DIVISION		DRAINAGE STRUCTURES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		17
					HARMONY HOMES	02107062		



TREE ROOT AVOIDANCE DETAIL

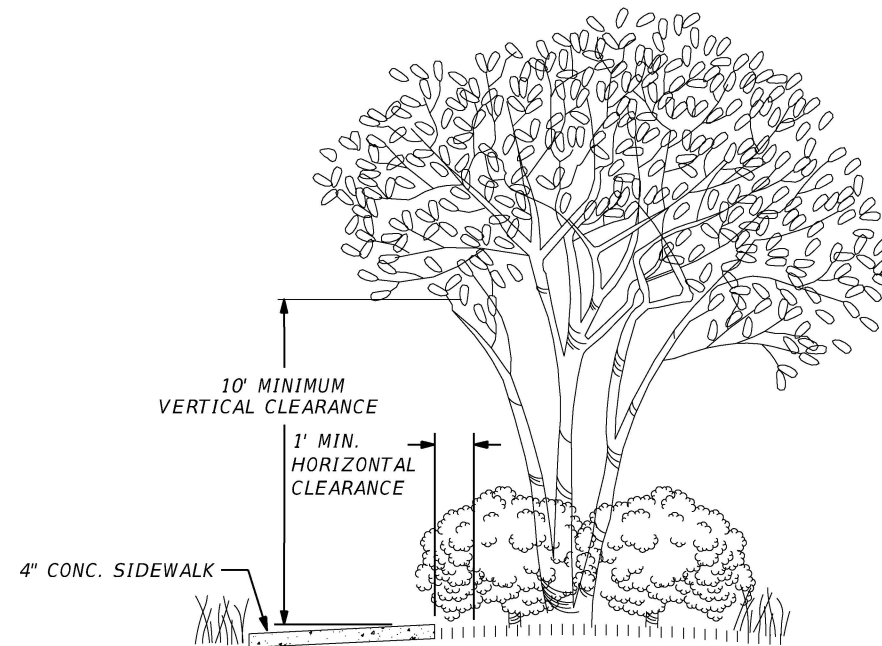
1. FOR USE IN AREAS WHERE TREE ROOTS INTERFERE WITH EXCAVATION.
2. ALL WORK AT OR AROUND THE TREES MUST BE SUPERVISED BY A CERTIFIED ARBORIST, PROVIDED BY THE CONTRACTOR.
3. ALL COSTS OF ADDITIONAL EARTHWORK AND SOD SHALL BE INCIDENTAL TO THE COST OF THE SIDEWALK.
4. IF TREE ROOT CUTTING IS NECESSARY, CUT ROOTS CLEANLY, NO CLOSER THAN THREE TIMES THE DIAMETER OF THE TREE AND PRUNE OFF ANY JAGGED ENDS OF CUT ROOTS. (i.e. IF TREE TRUNK IS 20" IN DIAMETER, THEN CUT THE ROOTS FURTHER THAN 60" FROM THE BASE OF THE TREE)
5. LEAVE ROOTS EXPOSED FOR 24 HOURS TO ALLOW AIR TO "HARDEN" REMAINING ROOTS. AFTER 24 HOURS, PROVIDE A LAYER OF VISQUEEN BETWEEN CUT ROOT, BACKFILL AND WATER-IN THOROUGHLY. FERTILIZE IN 7-10 DAYS WITH A COMPOUND WHICH IS RECOMMENDED FOR AIDING IN ROOT RECOVERY, LOW IN NITROGEN AND HIGH IN PHOSPHORUS AND POTASSIUM.
6. ALL TREES THAT ARE ROOT PRUNED SHALL BE WATERED DAILY FOR 30 DAYS FOLLOWING THE "HARDENING" STAGE.
7. ANY ADDITIONAL QUESTIONS CONCERNING ROOT CUTS CAN BE ANSWERED BY THE COUNTY LANDSCAPE COORDINATOR, BILL PANDOS, AT (407) 665-2176.
8. USE VISQUEEN WITH "P" AGGREGATE ROCK (AS NEEDED) AROUND ROOTS TO PROTECT THE ROOTS WHEN POURING CONCRETE.
9. PLACE THE SIDEWALK OVER A GEOGRID MESH OR GEOTEXTILE FABRIC AND OPEN GRADED GRAVEL BASE.



TYPICAL CONCRETE DRIVEWAY DETAIL

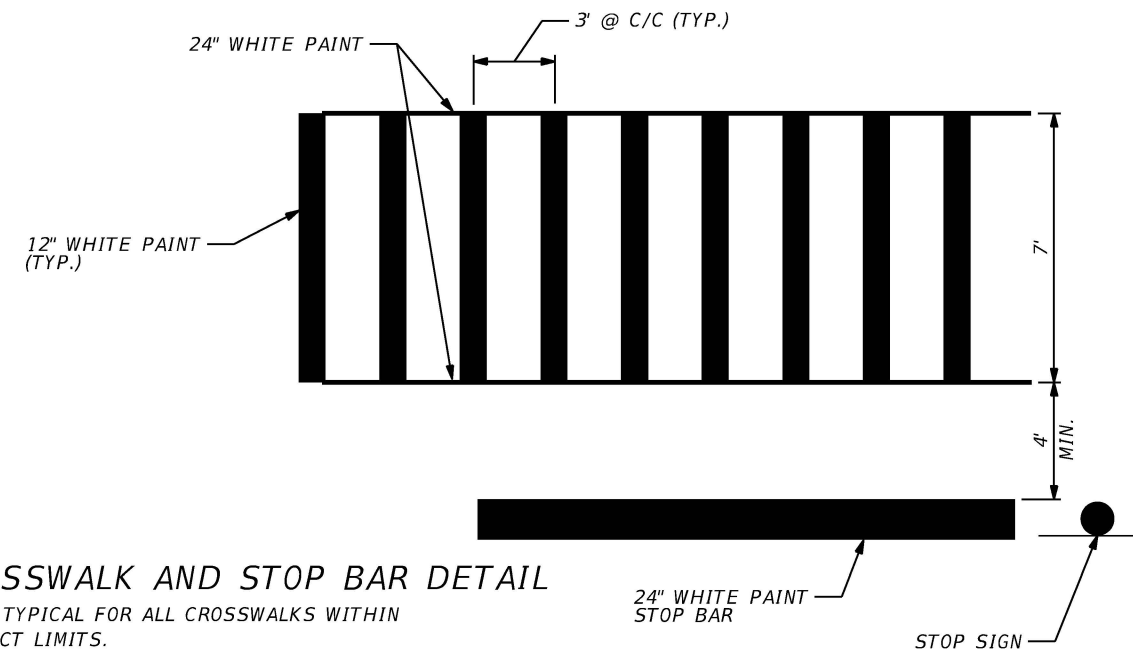
THE CONTRACTOR SHALL SAW CUT AND REMOVE ANY ASPHALT APRON THAT IS WITHIN THE LIMITS OF THE NEW CONCRETE DRIVEWAY. THE CONTRACTOR SHALL SOD ANY AREA NOT COVERED BY CONCRETE.

REFER TO DRIVEWAY X-SECTIONS FOR DIMENSIONS AND PROPOSED GRADES.



TREE SIDEWALK DETAIL

NOTE: THE CONTRACTOR SHALL TRIM ALL BUSHES AND TREES TO MAINTAIN AT LEAST A MINIMUM 10 FEET VERTICAL CLEARANCE AND ONE FOOT HORIZONTAL CLEARANCE.



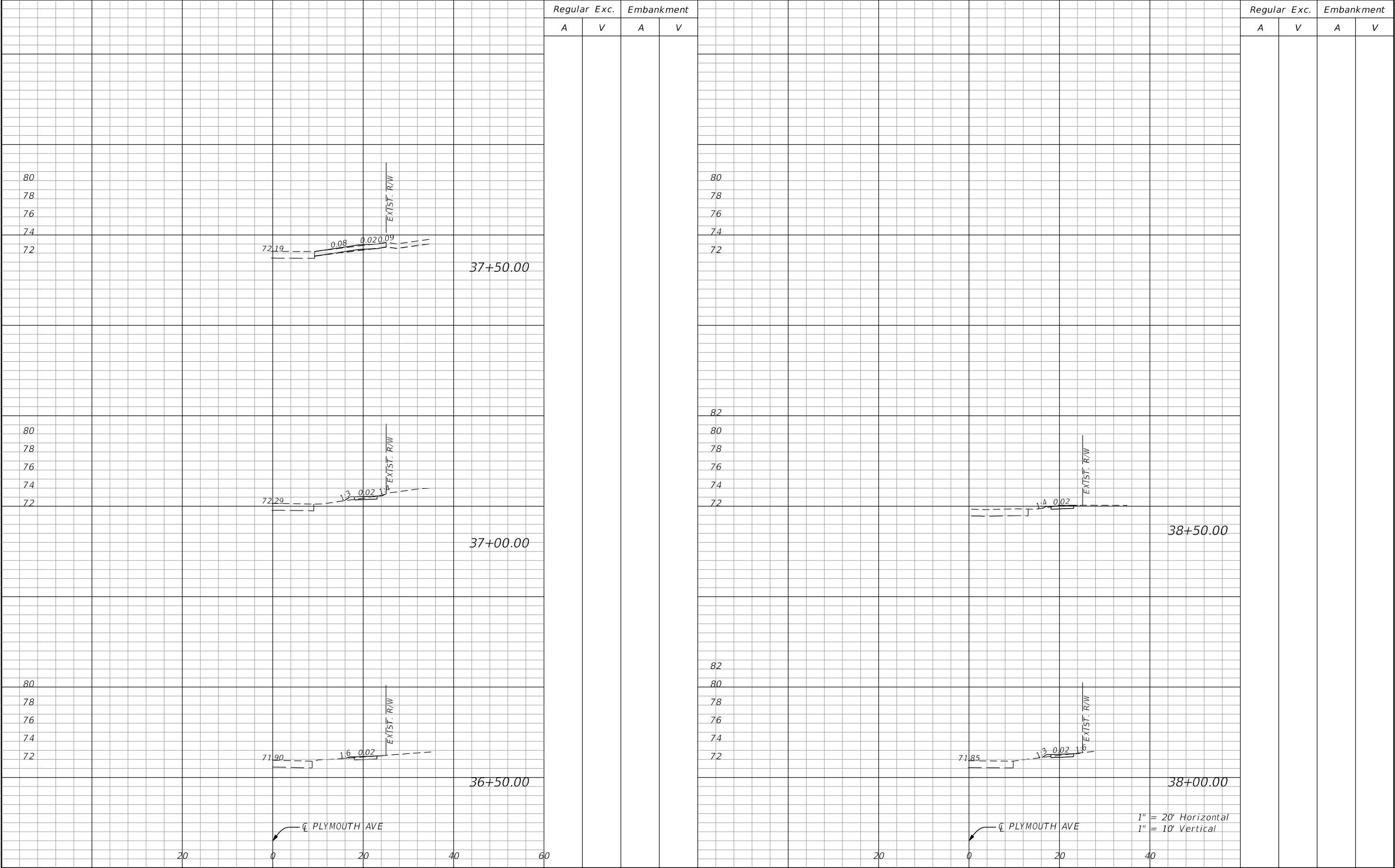
CROSSWALK AND STOP BAR DETAIL

NOTE: TYPICAL FOR ALL CROSSWALKS WITHIN PROJECT LIMITS. REPAINT OR CONSTRUCT NEW STOP BARS AND STOP SIGNS (IF REQUIRED) AT ALL INTERSECTIONS WITHIN THIS PROJECT.

REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		SPECIAL DETAILS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		
					HARMONY HOMES	02107062		18

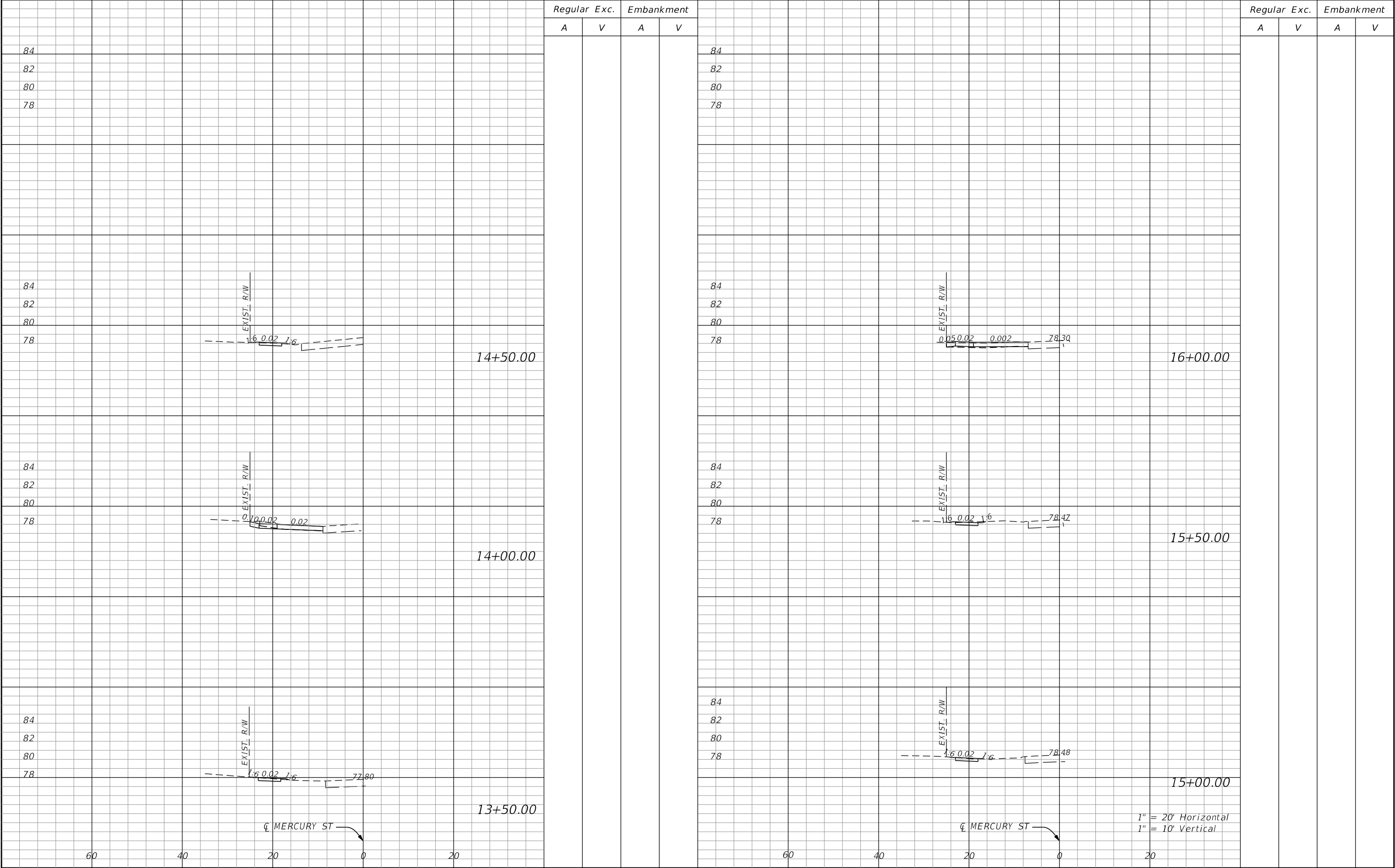
										Regular		Exc.		Embankment												Regular		Exc.		Embankment																																																																																																													
										A	V	A	V											A	V	A	V											A	V	A	V																																																																																																		
																																																																																																				</																																							

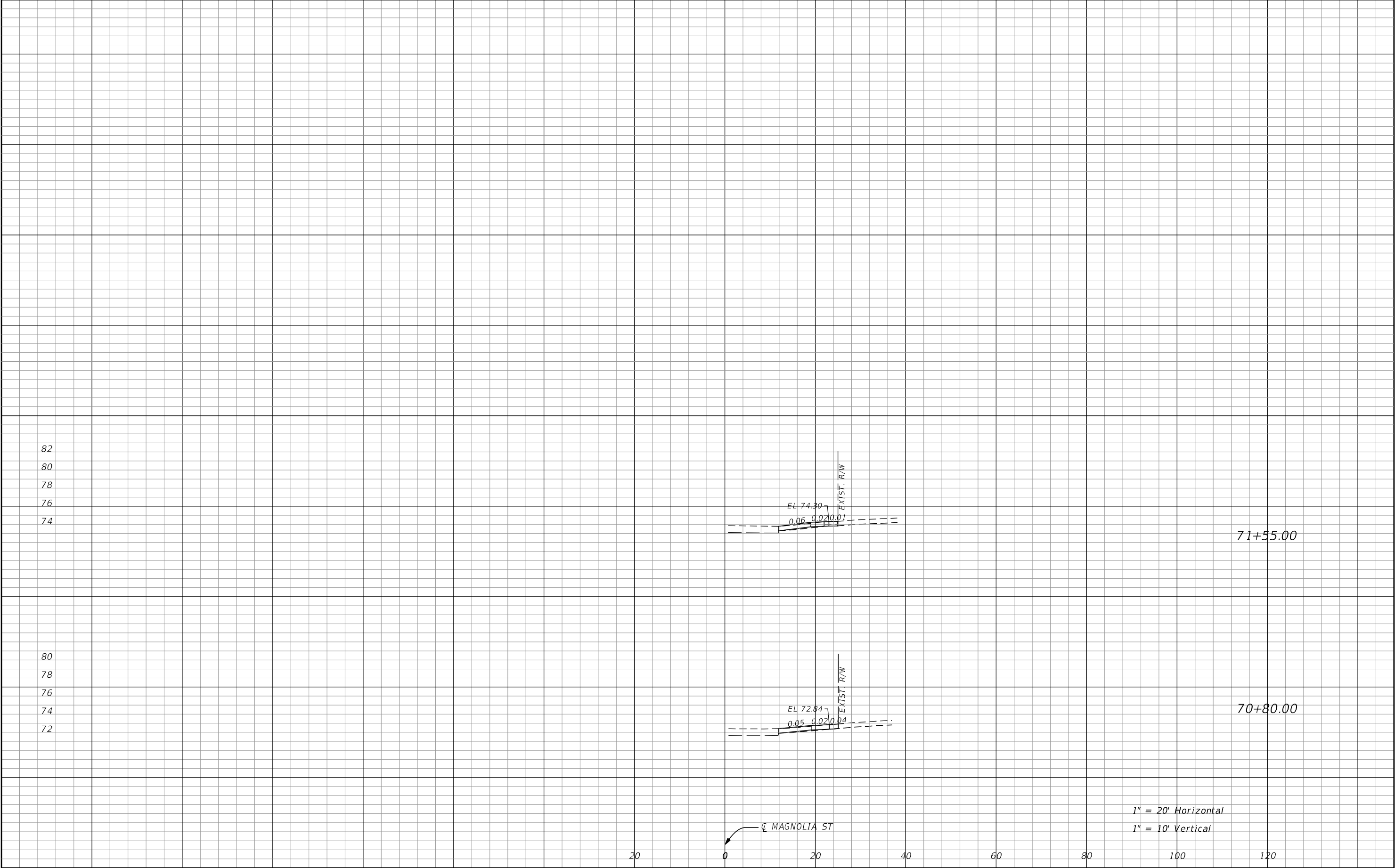
[illegible]



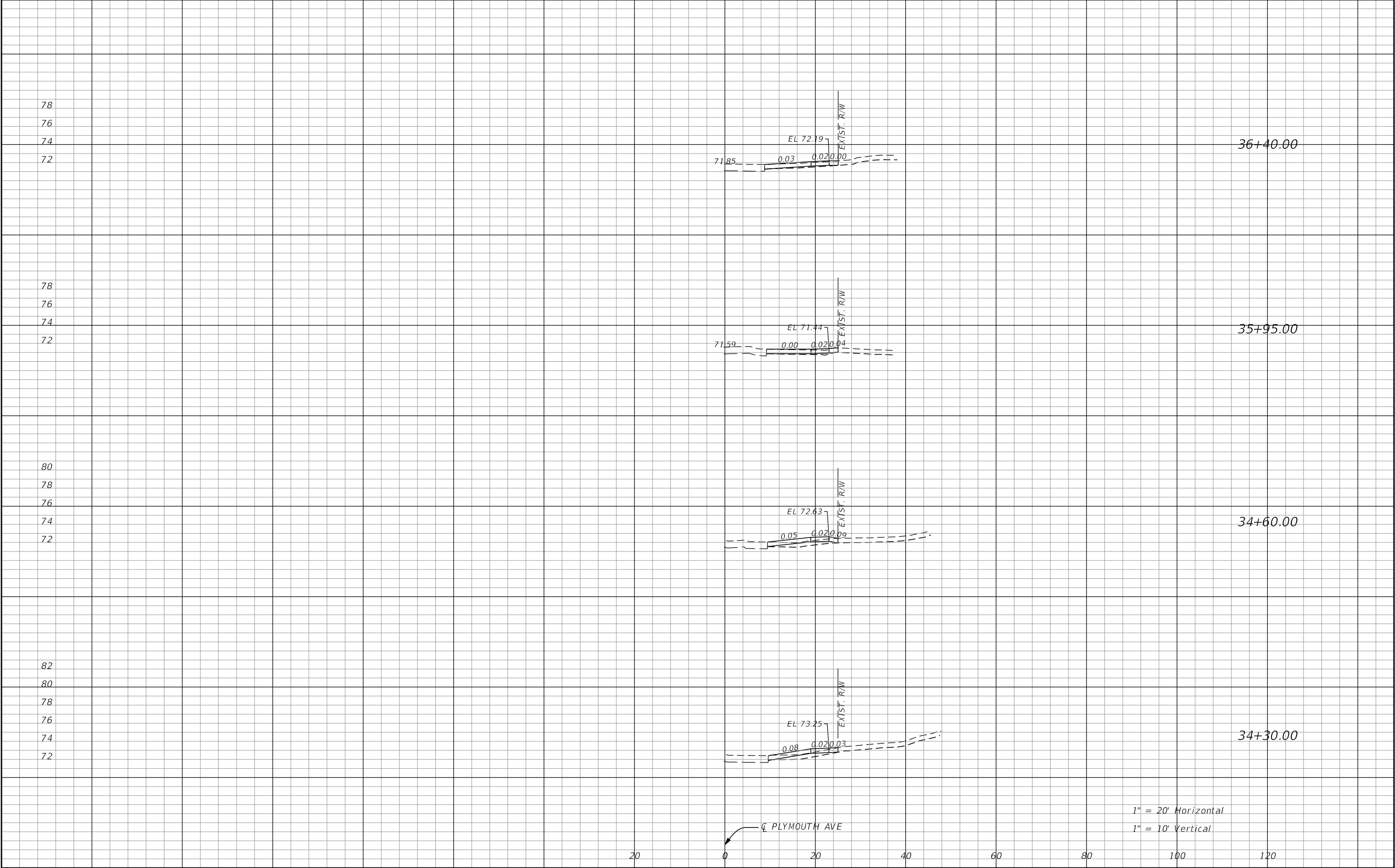
[illegible]

[illegible]

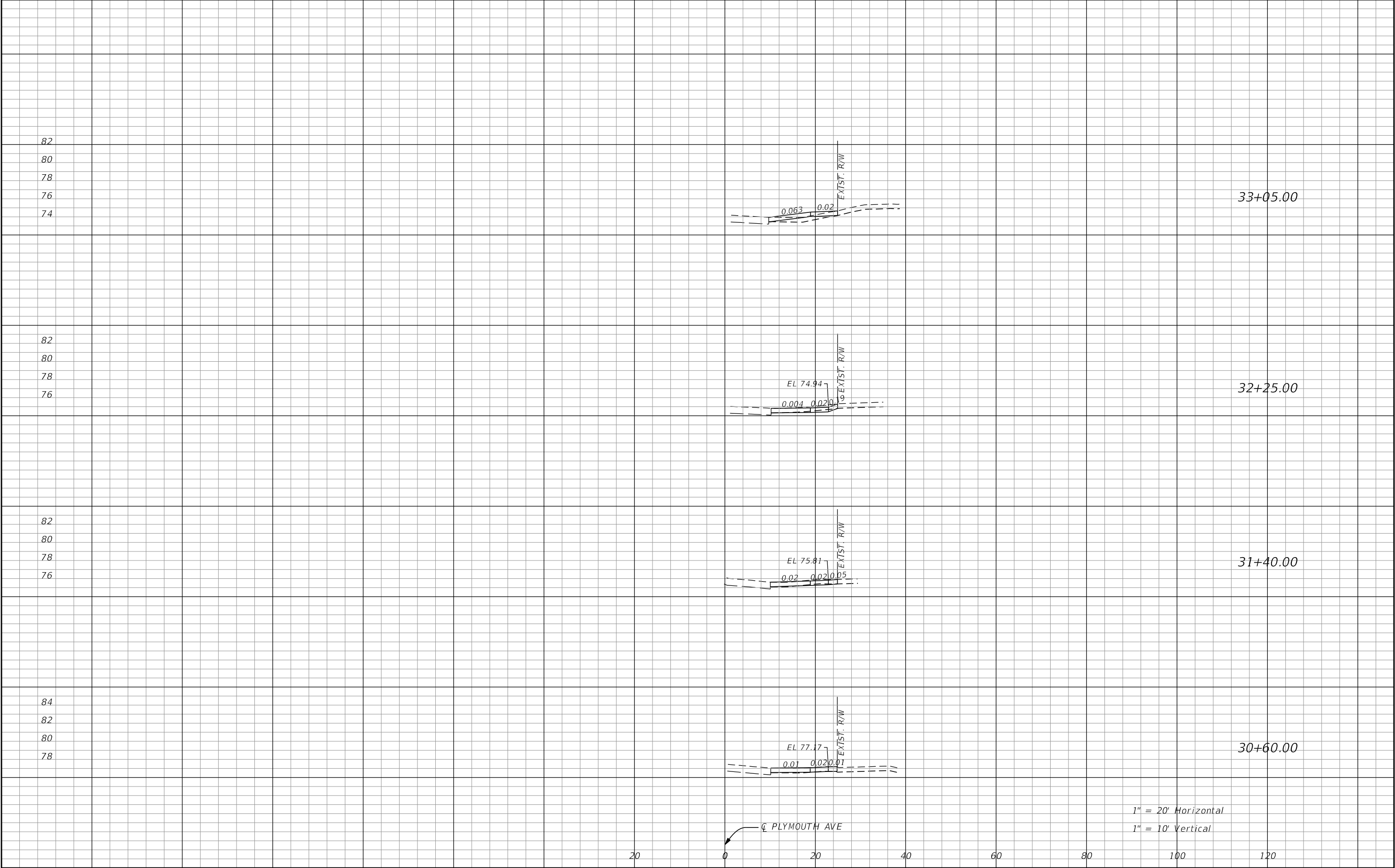




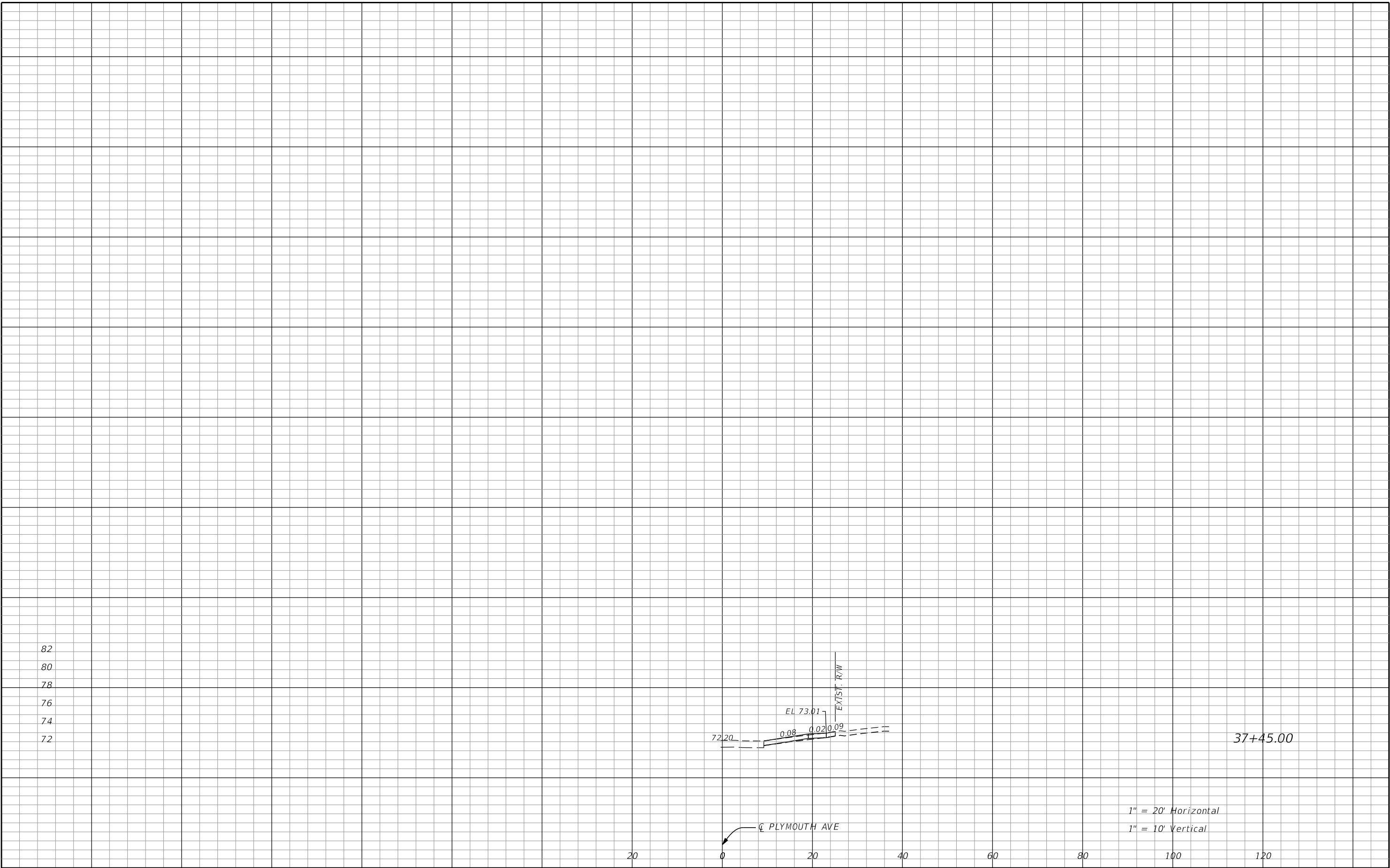
REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID MARTIN P.E. No. 46744 100 East 1st. Street Sanford, Fl 32771	ENGINEERING DIVISION		DRIVEWAY CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		29
					HARMONY HOMES	02107062		

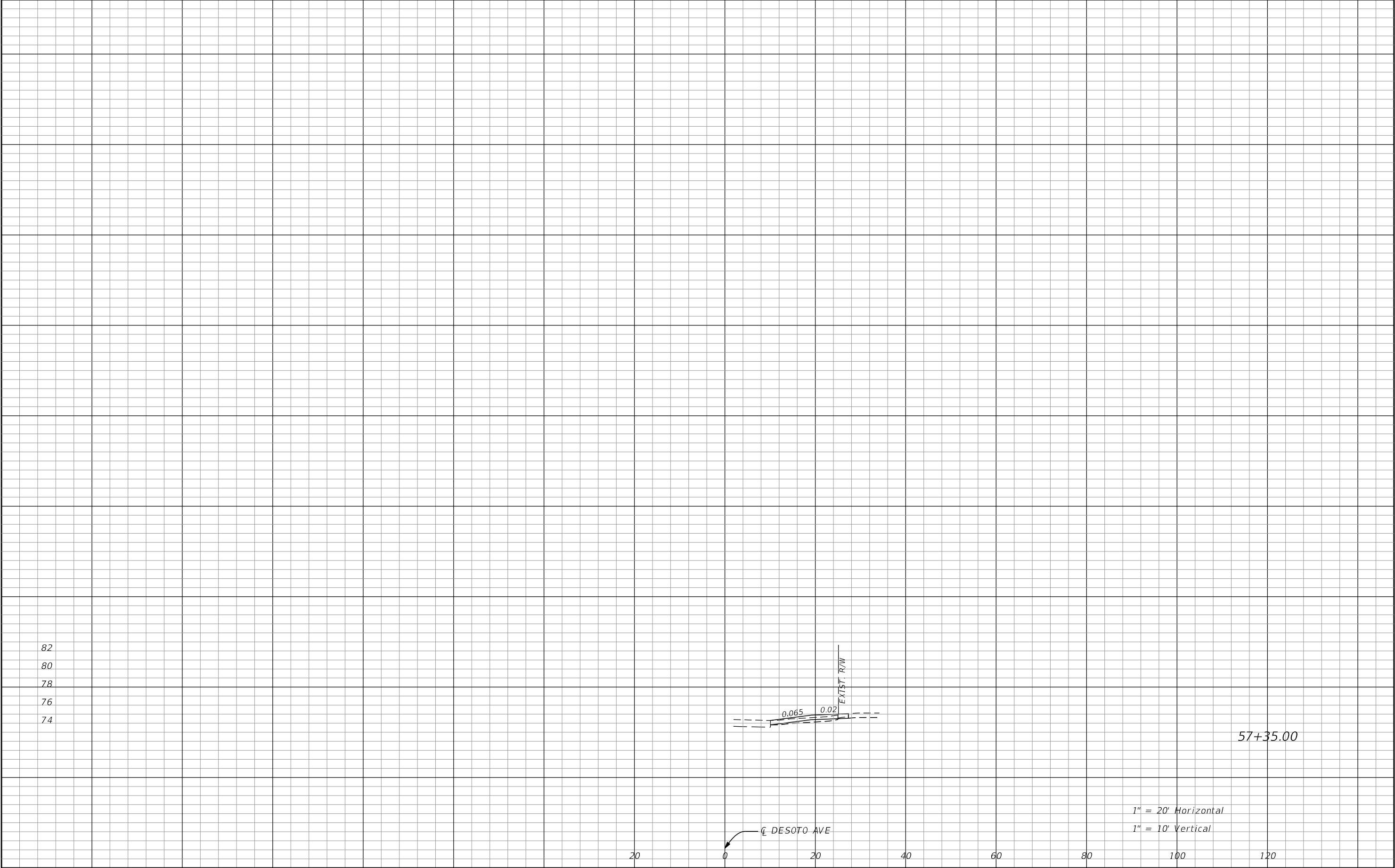


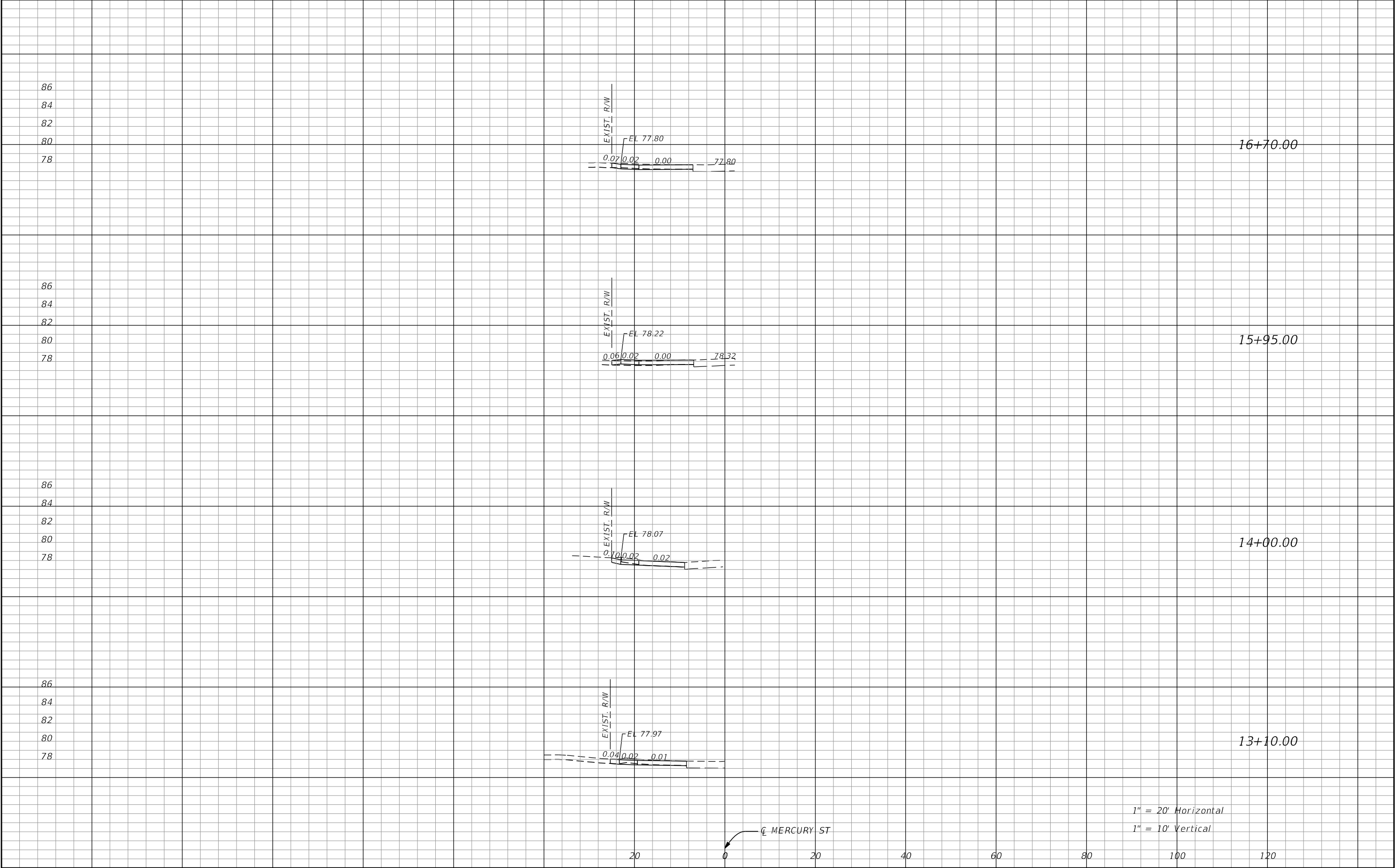
REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID MARTIN P.E. No. 46744 100 East 1st. Street Sanford, Fl 32771	ENGINEERING DIVISION		DRIVEWAY CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		30
					HARMONY HOMES	02107062		



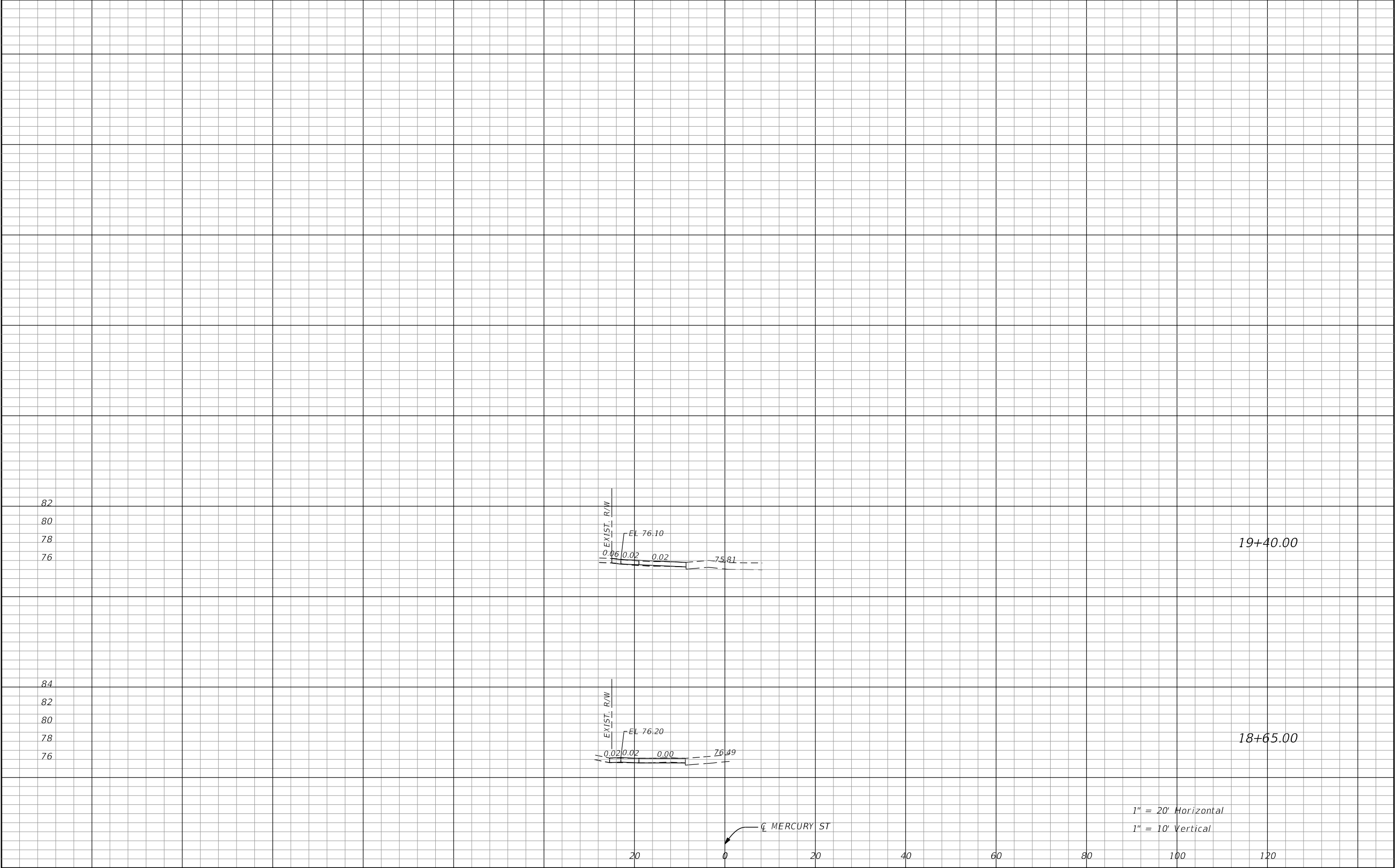
REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID MARTIN P.E. No. 46744 100 East 1st. Street Sanford, Fl 32771	ENGINEERING DIVISION		DRIVEWAY CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		31
					HARMONY HOMES	02107062		



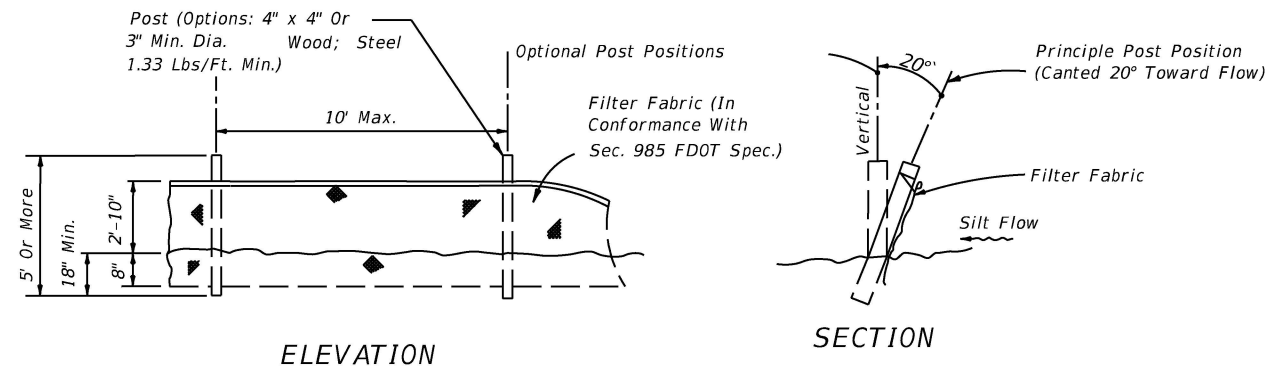




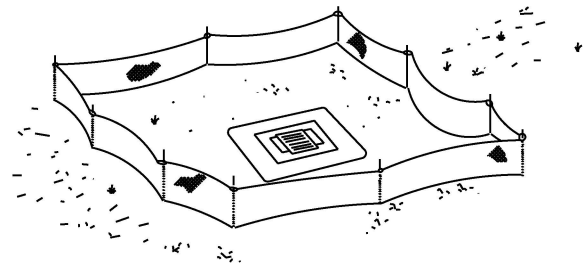
REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID MARTIN P.E. No. 46744 100 East 1st. Street Sanford, Fl 32771	ENGINEERING DIVISION		DRIVEWAY CROSS SECTIONS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		35
					HARMONY HOMES	02107062		



REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	ENGINEERING DIVISION		DRIVEWAY CROSS SECTIONS		SHEET NO. 36
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.			
					HARMONY HOMES	02107062			



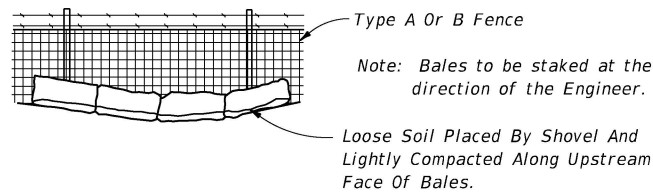
TYPE IV SILT FENCE



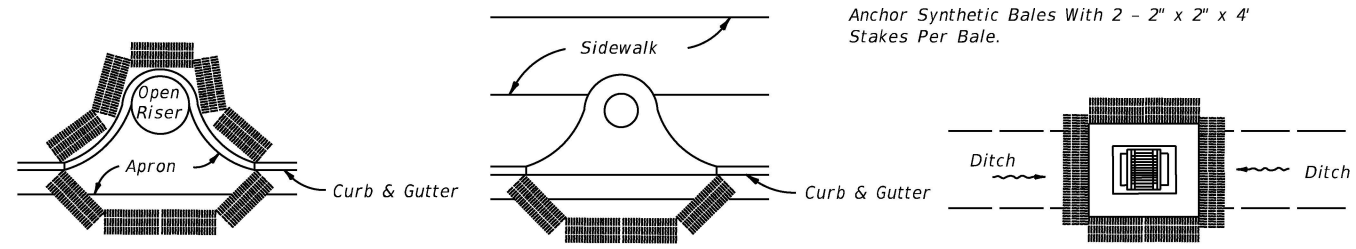
Type IV Silt Fence Protection
Around Ditch Bottom Inlets.

Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

SILT FENCE APPLICATIONS



1. THE CONTRACTOR SHALL EXECUTE ALL MEASURES NECESSARY TO LIMIT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT TO THE VOLUME AND AMOUNT THAT ARE EXISTING PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THIS CONDITION WILL BE SATISFIED FOR THE TOTAL ANTICIPATED CONSTRUCTION PERIOD. PROVISION MUST BE MADE TO PRESERVE THE INTEGRITY AND CAPACITY OF CHECK WEIRS, SEDIMENT BASINS, SLOPE DRAINS, GRADING PATTERNS, ETC. REQUIRED TO MEET THIS PROVISION THROUGHOUT THE LIFE OF THE CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE SYNTHETIC BALES, SILT BARRIERS, TEMPORARY GRASSING, ETC. AS REQUIRED TO FULLY COMPLY WITH THE INTENT OF THIS SPECIFICATION.
2. NO EXCAVATED MATERIAL SHALL BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
3. THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL BE CONTROLLED, SO THAT THIS OPERATION WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.
4. INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENT LADEN STORMWATER RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET. (SEE NOTE 16).
5. AREAS OPENED BY CONSTRUCTION OPERATIONS THAT ARE NOT ANTICIPATED TO BE DRESSED OR RECEIVE FINAL GRASSING TREATMENT WITHIN THIRTY DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER, DURING THE SEASON IN WHICH IT IS PLANTED. TEMPORARY SEEDING SHALL BE CONTROLLED SO AS TO NOT ALTER OR COMPETE WITH PERMANENT GRASSING. THE RATE OF SEEDING SHALL BE 30 POUNDS PER ACRE.
6. THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED AS REQUIRED TO ASSURE OPTIMUM GROWING CONDITONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER.
7. IF AFTER 14 DAYS, THE TEMPORARY GRASSES AREAS HAVE NOT ATTAINED A MINIMUM OF 75% GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED TO ESTABLISH THE DESIRED VEGETATION COVER.
8. ALL FEATURES OF THE PROJECT SHALL BE CONSTRUCTED TO PREVENT EROSION AND SEDIMENT AND SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION PROPERLY WITHOUT THE TRANSPORT OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT.
9. ALL DISTURBED AREAS OUTSIDE THE EXCAVATION AND FILL LIMITS WILL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THEIR CONDITION PRIOR TO CONSTRUCTION.
10. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL NEWLY PLANTED GRASSES OR VEGETATION AND RETENTION/DETENTION FACILITIES UNTIL THE WORK HAS BEEN ACCEPTED BY THE COUNTY.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF EMBANKMENTS AND SHALL REPLACE ANY PORTION, WHICH IN THE OPINION OF THE ENGINEER, HAS BECOME DISPLACED DUE TO EROSION OR DUE TO CARELESSNESS OR NEGLIGENCE ON THE PART OF THE CONTRACTOR.
12. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS CONTROLLING POLLUTION OF THE ENVIRONMENT. MEASURES SHALL BE TAKEN BY THE CONTRACTOR TO CONTROL EROSION AND SEDIMENT RUNOFF FROM THE SITE DURING CONSTRUCTION. SUCH METHODS SHALL BE IN ACCORDANCE WITH THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION STANDARDS.
13. ABSOLUTELY NO WORK WILL BE ALLOWED WITHIN ANY CONSERVATION AREA, BUFFER AREA, MITIGATION AREA OR DESIGNATED WETLAND AREA UNLESS SO SPECIFICALLY DESCRIBED BY THE PLANS AND GRANTED BY REASON OF PERMIT FROM THE GOVERNMENTAL ENTITY HAVING JURISDICTION OVER SAID AREA.
14. PRIOR TO CLEARING AND GRUBBING, THE LIMITS OF WETLANDS, BUFFERS, AND MITIGATION AREAS SHALL BE CLEARLY MARKED ALONG THE PROPOSED RIGHT OF WAY LINE TO PROTECT THESE AREAS FROM ENCROACHMENT FROM CONSTRUCTION ACTIVITIES.
15. ALL FILL EMBANKMENT AND GRADED AREAS SHALL BE PROTECTED AGAINST EROSION BY METHODS STATED IN "SECTION 104," F.D.O.T. STANDARD SPECIFICATIONS FOR BRIDGE AND ROAD CONSTRUCTION. SIDE SLOPE MAY BE SEEDED AND MULCHED, PROVIDED THAT THE MULCH MATERIAL IS DISC HARROWED AND THE SIDE SLOPES ARE NEITHER GREATER THAN 4:1 NOR PART OF A DRAINAGE CONVEYANCE.
16. EROSION CONTROL AT ALL INLET DRAINAGE STRUCTURES DURING CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH SECTION 104 PREVENTION, CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION.



PARTIAL INLET

COMPLETED INLET

DITCH BOTTOM INLET

PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		STORMWATER POLLUTION PREVENTION PLAN	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		37
					HARMONY HOMES	02107062		

[illegible][illegible]

SUMMARY OF SIDE DRAIN & MITERED END SECTIONS											
LOCATION	SIDE	PIPE LENGTH - LF				MES - EA				DESIGN NOTES	CONSTRUCTION REMARKS
		ROUND (0430-1-323)				ROUND (0430-98-223)					
15"		15"		15"		15"					
STA. TO STA.		P	F	P	F	P	F	P	F		
54+25.67	RT.	10.0				1.0				DESOTO AVE	
SUB-TOTAL:		10.0				1					
TOTAL:		10				1					

* FOR PAY ITEMS, CC = THE PIPE SIZE.

REVISIONS				 SEMINOLE COUNTY ENGINEERING DIVISION DAVID W. MARTIN P.E. No. 46744 100 East 1st. Street Sanford, FL 32771	SEMINOLE COUNTY ENGINEERING DIVISION		SUMMARY OF QUANTITIES	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		SUBDIVISION	COUNTY CIP No.		SQ-2
					HARMONY HOMES	02107062		

