

CONTRACT PLANS COMPONENTS
ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS



CITY OF DAYTONA BEACH

FINANCIAL PROJECT ID 439869-1-54-01

CITY PROJECT No. 2017-028

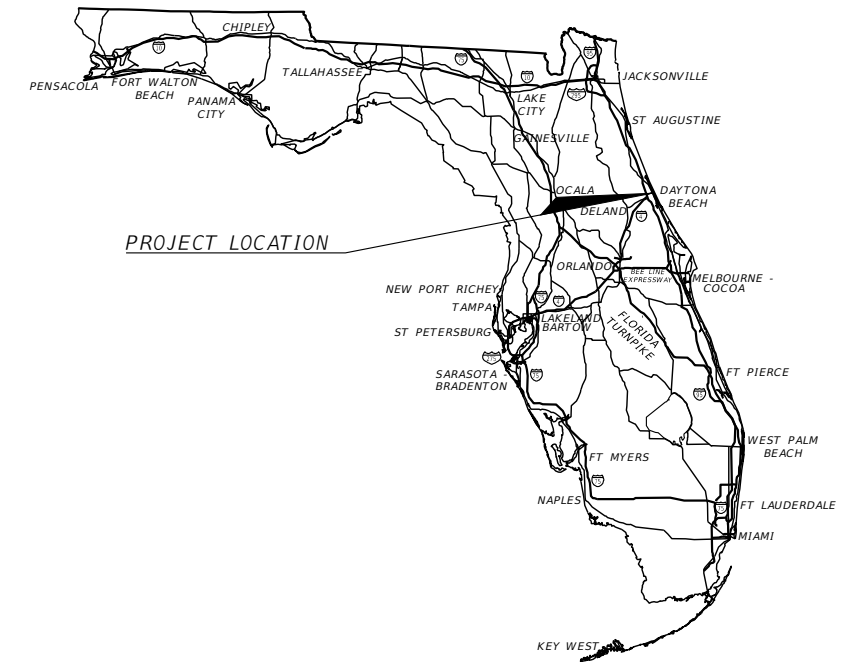
(STATE FUNDS)

VOLUSIA COUNTY

SWEETHEART TRAIL

(BEACH ST BETWEEN

MARINA POINT DR AND ORANGE AVE)



PROJECT LOCATION

CITY OF DAYTONA BEACH

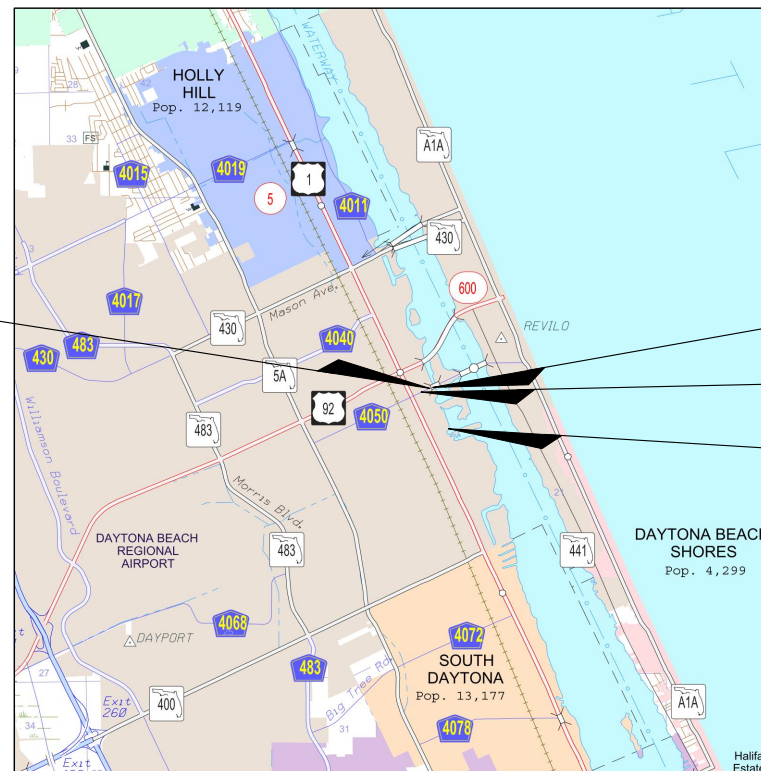
PUBLIC WORKS DEPARTMENT - TECHNICAL SERVICES DIVISION

DERRICK L. HENRY-MAYOR
RUTH TRAGER, COMMISSIONER - ZONE 1
AARON DELGADO, COMMISSIONER - ZONE 2
QUANITA MAY, COMMISSIONER - ZONE 3
ROBERT A. GILLILAND - ZONE 4
DANNETTE HENRY, COMMISSIONER - ZONE 5
PAULA R. REED, COMMISSIONER - ZONE 6
JAMES V. CHISHOLM - CITY MANAGER
ANDREW J. HOLMES, DEPUTY PUBLIC WORKS DIRECTOR
FRANK VANPELT, TECHNICAL SERVICES DIRECTOR
JIM NELSON, CITY ENGINEER
MICHELLE MARTIN, TECHNICAL SERVICES PROJECT MANAGER

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Ending of Project
BEACH ST
STA. 37+90.72



Limit of Construction
ORANGE AVE
STA. 17+95.81

Limit of Construction
ORANGE AVE
STA. 10+35.47

Beginning of Project
BEACH ST
STA. 11+15.94



ROADWAY PLANS
ENGINEER OF RECORD:

MICHAEL STEVEN REPSCH, P.E.
P.E. NO.: 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
VENDOR NO.: 106278
CERTIFICATE OF AUTHORIZATION NO.: 31108



GOVERNING DESIGN STANDARDS:
Florida Department of Transportation, FY2019-20 Standard Plans for Road and Bridge Construction and applicable Standard Plans Interim Revisions (SPIRs). Standard Plans for Road Construction and SPIRs are available at the following website: http://www.fdot.gov/design/standard_plans

GOVERNING STANDARD SPECIFICATIONS:
Florida Department of Transportation, July 2019 Standard Specifications for Road and Bridge Construction at the following website: <http://www.fdot.gov/programmanagement/Implemented/SpecBooks>

CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T-0000	2019	1

TABULATION OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY
I. BASE BID			
101-1	MOBILIZATION	LS	1
102-1	MAINTENANCE OF TRAFFIC	LS	1
104-10-3	SEDIMENT BARRIER	LF	683
104-18	INLET PROTECTION SYSTEM	EA	19
110-1-1	CLEARING AND GRUBBING	AC	1.359
110-4-10	REMOVAL OF EXISTING CONCRETE	SY	1881
120-1	REGULAR EXCAVATION	CY	1140
120-6	EMBANKMENT	CY	220
160-4	TYPE B STABILIZATION	SY	321
285-704	OPTIONAL BASE GROUP 04	SY	321
334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	28
425-1203	INLETS, CURB, TYPE 9, J BOT, <10'	EA	3
425-1451	INLETS, CURB, TYPE J-5, <10'	EA	1
425-1563	INLETS, DITCH BOTTOM, TYPE F, J BOT, <10'	EA	3
425-2-41	MANHOLES, P-7, <10'	EA	7
425-5	MANHOLE, ADJUST	EA	2
425-6	VALVE BOXES, ADJUST	EA	11
430-174-112	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 12"SD	LF	59
430-174-218	PIPE CULVERT, OPTIONAL MATERIAL, OTHER SHAPE - ELLIP/ARCH, 18"SD	LF	8
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	1273
520-2-4	CONCRETE CURB, TYPE D	LF	81
522-1	CONCRETE SIDEWALK, 4" THICK	SY	3386
522-2	CONCRETE DRIVEWAYS, 6" THICK	SY	303
527-2	DETECTABLE WARNINGS	SF	281
570-1-2	PERFORMANCE TURF, SOD	SY	2285
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	36
646-1-12	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST	EA	1
646-1-40	ALUMINUM SIGNALS POLE, RELOCATE	EA	2
653-1-40	PEDESTRIAN SIGNAL, RELOCATE	AS	2
665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	1
665-1-40	PEDESTRIAN DETECTOR, RELOCATE	EA	2
700-1-11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS	5
700-1-50	SINGLE POST SIGN, RELOCATED	AS	14
700-1-60	SINGLE POST SIGN, REMOVE	AS	2

PAY ITEM NOTES:

PAY ITEM NO. 101-1 MOBILIZATION - INCLUDES ALL COSTS ASSOCIATED WITH ESTABLISHING PROJECT CONTROL IN THE FIELD, INCLUDING STAKING OUT BASELINE OF CONSTRUCTION AND ALL PROPOSED IMPROVEMENTS, AS WELL AS PRE/POST CONSTRUCTION VIDEO AND AS-BUILT SURVEYING.

PAY ITEM NO. 102-1 MAINTENANCE OF TRAFFIC - FOR VEHICULAR AND PEDESTRIAN TRAFFIC. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED TO THE CONTRACTOR SHOULD TIME BE ADDED TO THE CONTRACT SCHEDULE REQUIRING MAINTENANCE OF TRAFFIC FOR A LONGER DURATION.

PAY ITEM NO. 110-1-1 CLEARING & GRUBBING - INCLUDES ALL COSTS ASSOCIATED WITH REMOVAL OF EXISTING ASPHALT PAVEMENT, EXISTING TREES, AND PEDESTRIAN SIGNALS.

PAY ITEM NO. 520-1-10 CONCRETE CURB & GUTTER, TYPE F - INCLUDES ALL COSTS ASSOCIATED WITH THE CONSTRUCTION AND COMPACTION OF THE CURB PAD AND ANY NECESSARY ROADWAY REPAIRS AS PER GENERAL NOTE 25.

PAY ITEM NO. 520-2-4 CONCRETE CURB, TYPE D - INCLUDES ALL COSTS ASSOCIATED WITH THE CONSTRUCTION AND COMPACTION OF THE CURB PAD AND ANY NECESSARY ROADWAY REPAIRS AS PER GENERAL NOTE 25.

PAY ITEM NO. 522-1 CONCRETE SIDEWALK, 4" THICK - INCLUDES ALL COSTS ASSOCIATED WITH CONSTRUCTING SIDEWALKS AND CURB RAMPS UTILIZING A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2,500 PSI CONCRETE WITH STANDARD BROOM FINISH AS PER STANDARD FDOT SIDEWALK CONSTRUCTION.

PAY ITEM NO. 522-2 CONCRETE DRIVEWAY, 6" THICK - INCLUDES ALL COSTS ASSOCIATED WITH CONSTRUCTING DRIVEWAYS UTILIZING A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2,500 PSI CONCRETE WITH STANDARD BROOM FINISH AS PER STANDARD FDOT SIDEWALK CONSTRUCTION.

TABULATION OF QUANTITIES, CONT.

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY
I. BASE BID			
711-11-103	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR INTERCHANGE MARKINGS	GM	0.028
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	552
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	342
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	2
711-11-170	THERMOPLASTIC, STANDARD, WHITE, ARROW	EA	4
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.003
711-16-133	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SKIP, 12"-APPROACH TO TOLL PLAZA OR 3-9 LANE DROP	GM	0.081
711-17	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS: NON-CONFLICTING ONLY	SF	1068
1080-15	UTILITY FIXTURES, ADJUST & MODIFY	EA	10
1644-700	FIRE HYDRANT, ADJUST & MODIFY	EA	1

REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

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P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
313 DATURA STREET, SUITE 100
WEST PALM BEACH, FL 33401
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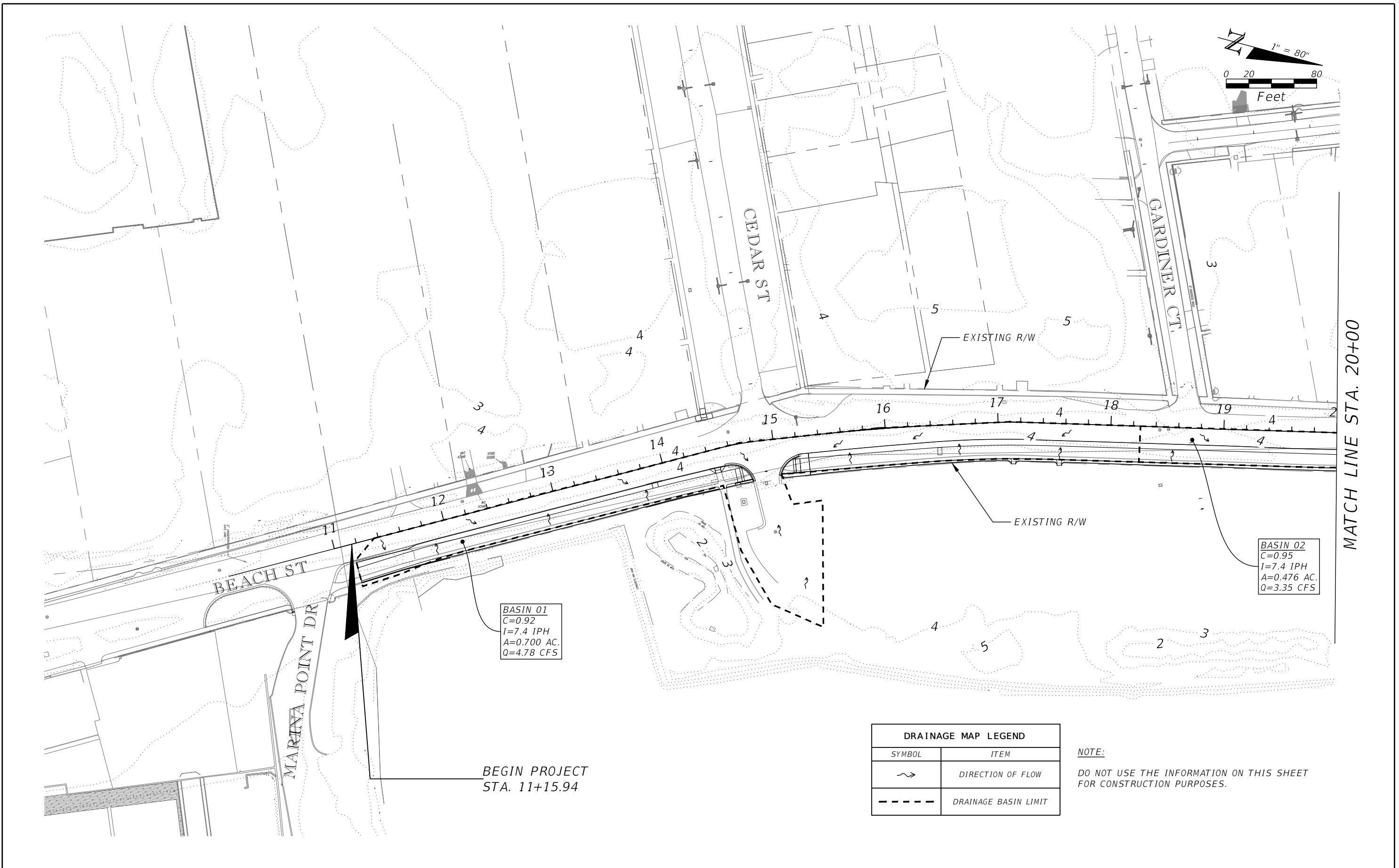
SWEETHEART TRAIL
(BEACH ST BETWEEN
MARINA POINT DR AND ORANGE AVE)

SUMMARY OF PAY ITEMS

100% SUBMITTAL

SHEET
NO.

2



BASIN 01
 C=0.92
 I=7.4 IPH
 A=0.700 AC.
 Q=4.78 CFS

BASIN 02
 C=0.95
 I=7.4 IPH
 A=0.476 AC.
 Q=3.35 CFS

BEGIN PROJECT
 STA. 11+15.94

MATCH LINE STA. 20+00

DRAINAGE MAP LEGEND	
SYMBOL	ITEM
	DIRECTION OF FLOW
	DRAINAGE BASIN LIMIT

NOTE:
 DO NOT USE THE INFORMATION ON THIS SHEET
 FOR CONSTRUCTION PURPOSES.

REVISIONS	
DATE	DESCRIPTION



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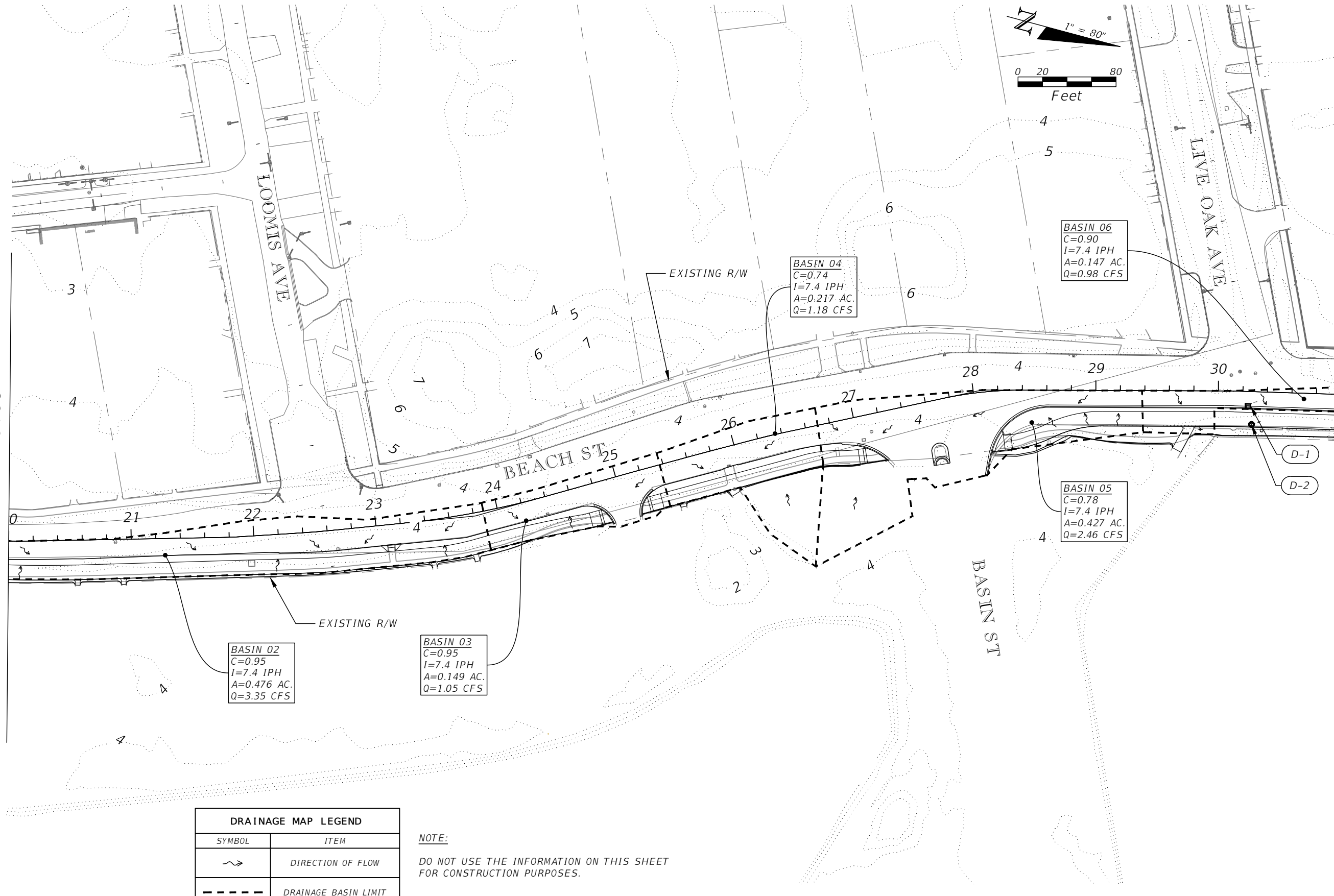
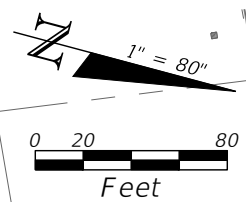
DRAINAGE MAP

100% SUBMITTAL

SHEET
 NO.
 3

MATCH LINE STA. 20+00

MATCH LINE STA. 31+00



BASIN 02
 C=0.95
 I=7.4 IPH
 A=0.476 AC.
 Q=3.35 CFS

BASIN 03
 C=0.95
 I=7.4 IPH
 A=0.149 AC.
 Q=1.05 CFS

BASIN 04
 C=0.74
 I=7.4 IPH
 A=0.217 AC.
 Q=1.18 CFS

BASIN 06
 C=0.90
 I=7.4 IPH
 A=0.147 AC.
 Q=0.98 CFS

BASIN 05
 C=0.78
 I=7.4 IPH
 A=0.427 AC.
 Q=2.46 CFS

DRAINAGE MAP LEGEND	
SYMBOL	ITEM
	DIRECTION OF FLOW
	DRAINAGE BASIN LIMIT

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REVISIONS	
DATE	DESCRIPTION



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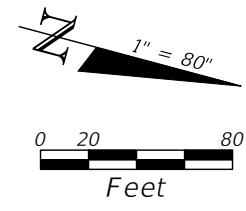


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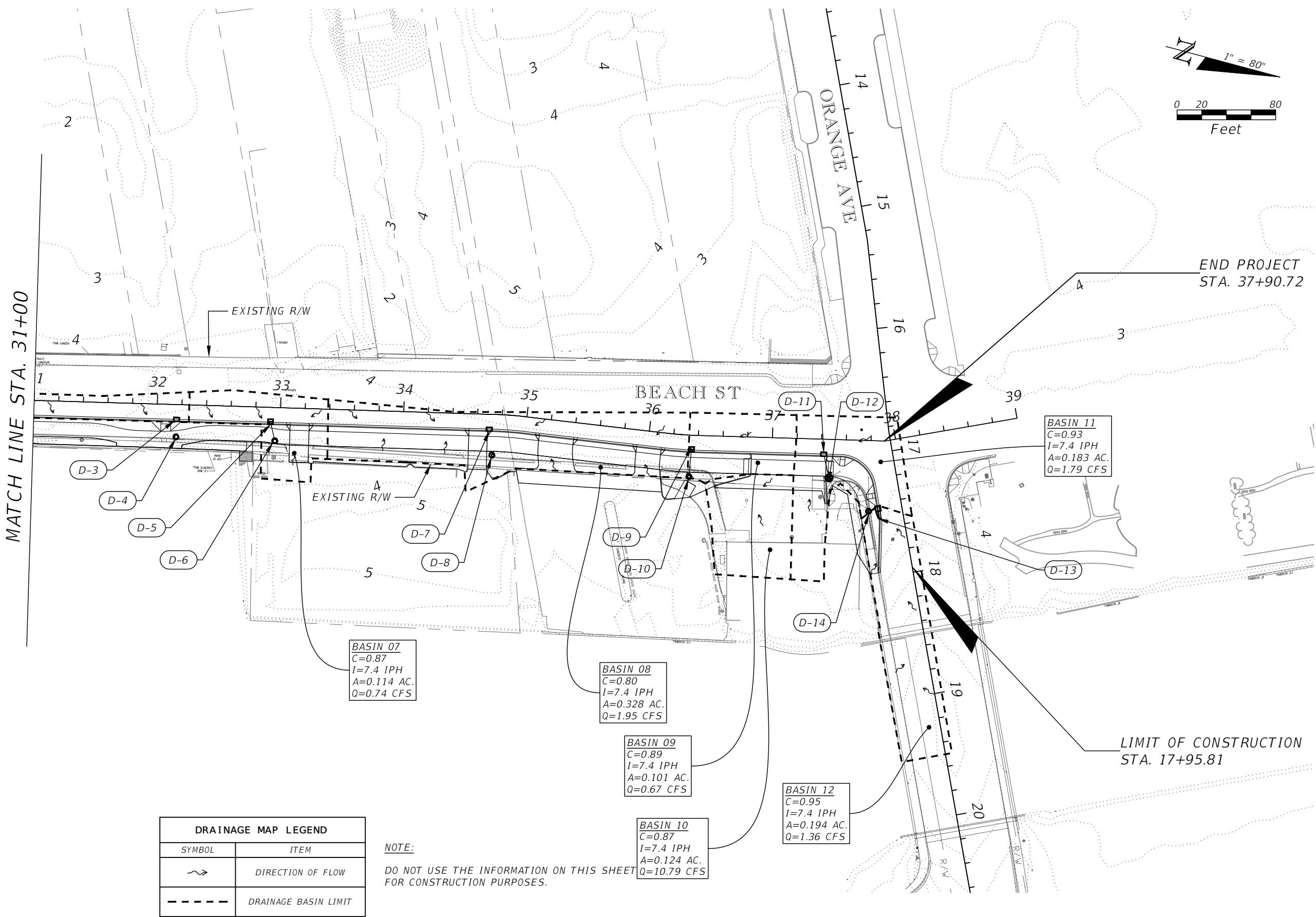
DRAINAGE MAP

100% SUBMITTAL

SHEET NO.
 4



MATCH LINE STA. 31+00



BASIN 07
 C=0.87
 I=7.4 IPH
 A=0.114 AC.
 Q=0.74 CFS

BASIN 08
 C=0.80
 I=7.4 IPH
 A=0.328 AC.
 Q=1.95 CFS

BASIN 09
 C=0.89
 I=7.4 IPH
 A=0.101 AC.
 Q=0.67 CFS

BASIN 10
 C=0.87
 I=7.4 IPH
 A=0.124 AC.
 Q=10.79 CFS

BASIN 12
 C=0.95
 I=7.4 IPH
 A=0.194 AC.
 Q=1.36 CFS

BASIN 11
 C=0.93
 I=7.4 IPH
 A=0.183 AC.
 Q=1.79 CFS

DRAINAGE MAP LEGEND	
SYMBOL	ITEM
	DIRECTION OF FLOW
	DRAINAGE BASIN LIMIT

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REVISIONS	
DATE	DESCRIPTION



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DRAINAGE MAP

100% SUBMITTAL

SHEET NO.
 5

GENERAL NOTES:

1. CONTRACTOR SHALL NOTIFY THE CITY OF DAYTONA BEACH PROJECT MANAGER, MICHELLE MARTIN AT 386-671-8632 TWO (2) BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION.
2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO EXCAVATION AS REQUIRED BY CHAPTER 77-153 OF THE FLORIDA STATUTES.
3. BEARING STRUCTURE BASED ON NAD83, FLORIDA STATE PLANE, EAST ZONE. ELEVATIONS REFER TO N.G.V.D. OF 1988, PER FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION MONUMENT 79-78-A36 HAVING A PUBLISHED ELEVATION OF 17.10 FEET.
4. CONTRACTOR SHALL FIELD VERIFY THE EXISTING PAVEMENT ELEVATIONS OF ALL DRIVEWAYS AND SIDEWALKS TO ENSURE THE PROPOSED IMPROVEMENTS MATCH EXISTING ELEMENTS AT CONNECTION.
5. THE INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS BASED ON RECORDS AND SURVEYS AVAILABLE DURING PLAN DEVELOPMENT, BUT IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR SHALL MAKE HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UTILITIES, AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY LOCATES PRIOR TO AND DURING ANY CONSTRUCTION ACTIVITIES, AS WELL AS ANY COORDINATION OF UTILITY RELOCATION NECESSARY WITHIN THE PROJECT CONSTRUCTION. CONTRACTOR SHALL VERIFY DEPTH OF ALL EXISTING UTILITY MAINS AND ENSURE THAT THE MINIMUM COVERAGE TO THE TOP OF PIPE WILL BE MAINTAINED.
6. SOD ALL DISTURBED AREAS UNLESS OTHERWISE DIRECTED. SOD SHALL MATCH EXISTING TYPE SOD UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SEED AND MULCH IS NOT ACCEPTABLE IN RIGHT-OF-WAY. SHOULDER SODDING SHALL BE PLACED 1" BELOW EDGE OF PAVEMENT IN ACCORDANCE WITH FDOT STANDARD PLAN INDEX #570-010.
7. UNLESS OTHERWISE SPECIFIED, THE CONTRACTOR SHALL ADJUST ALL EXISTING AND PROPOSED APPURTENANCES (I.E. VALVE BOXES, METER BOXES, PULL BOXES, MANHOLES, ETC.) MEANT TO BE FLUSH WITH FINISHED GRADE.
8. ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITIONS. COST TO BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.
9. UNLESS OTHERWISE NOTED, ALL REMOVED MATERIAL (EXCEPT FOR SIGNS) SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND ARE TO BE APPROPRIATELY DISPOSED OF IN AREAS PROVIDED BY THE CONTRACTOR.
10. ALL EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN THE RIGHT-OF-WAY SHALL REMAIN, UNLESS OTHERWISE DIRECTED.
11. ALL P.R.M.'S SHOWN ON PLANS, OR FOUND, SHALL BE PRESERVED IN A PERMANENT MANNER.
12. ANY U.S.C. & G.S. MONUMENTS (I.E. PUBLIC LAND CORNERS) WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED, AND IF IN DANGER OF DAMAGE, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE STATE GEODETIC ADVISOR, 3900 COMMONWEALTH BOULEVARD, TALLAHASSEE, FL, (850)245-2606. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO MARKERS AND SHALL REPLACE AT CONTRACTOR'S EXPENSE IF DAMAGED.
13. CONTRACTOR SHALL COOPERATE WITH CITY'S DESIGNATED REPRESENTATIVE(S) AT ALL TIMES WITH RESPECT TO SAMPLING, TESTING, AND INSPECTIONS.
14. SIGN LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED AND NOTED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION. MINOR ADJUSTMENTS MAY BE MADE TO ENSURE NO SIGNS ARE OBSCURED.
15. UNLESS OTHERWISE NOTED, ALL EXISTING SIGNS SHALL REMAIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL SIGNS WHICH ARE TO BE REMOVED OR RELOCATED, AS NOTED IN THESE PLANS. SIGNS TO BE RELOCATED SHALL BE STORED AND PROTECTED DURING CONSTRUCTION, UNTIL SUCH TIME THEY ARE RE-INSTALLED AND THE PROJECT IS COMPLETE. ANY SIGNS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE CITY OF DAYTONA BEACH. SIGNS WHICH ARE NOT INTENDED TO BE RE-UTILIZED SHALL BE DELIVERED TO THE CITY OF DAYTONA BEACH PUBLIC WORKS STREETS MAINTENANCE DIVISION 386.671.8660.

16. ALL STATION/OFFSETS SHOWN ARE TO THE BASELINE OF CONSTRUCTION UNLESS OTHERWISE SPECIFIED. CAD FILES WILL BE PROVIDED FOR THE BENEFIT OF THE CONTRACTOR IN STAKING OUT THE PROPOSED IMPROVEMENTS. NO OTHER PROJECT CONTROL INFORMATION OTHER THAN THAT SHOWN IN THESE PLANS WILL BE PROVIDED. PRIOR TO FIRST APPLICATION FOR PAYMENT, THE CONTRACTOR SHALL STAKE THE RIGHT OF WAY AT 100 FEET WHOLE-STATION INTERVALS (WITH STATIONING SHOWN ON THE STAKES), FOR THE CITY'S INSPECTION.
17. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL BE REQUIRED TO DETERMINE WHETHER OR NOT THERE ARE ANY PRIVATE IMPROVEMENTS LOCATED IN THE PUBLIC RIGHT OF WAY THAT ARE IN CONFLICT WITH PROPOSED CONSTRUCTION, SUCH AS LANDSCAPING, IRRIGATION, LIGHTING, FENCES, ETC. WHENEVER SUCH IMPROVEMENTS EXIST, CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ADJACENT PROPERTY OWNER(S) THAT THEIR PRIVATE IMPROVEMENTS ARE ENCRANCHING ON THE PUBLIC RIGHT OF WAY. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR COORDINATING WITH THE PRIVATE PROPERTY OWNERS TO ENSURE THAT THE PRIVATE IMPROVEMENTS ARE RELOCATED ONTO PRIVATE PROPERTY BY THE OWNERS OF THE EXISTING IMPROVEMENTS, SUCH THAT THEY DO NOT DELAY THE PROJECT AND ARE NOT IN CONFLICT WITH THE PROPOSED CONSTRUCTION.
18. WITH EXCEPTION OF MAILBOXES, ALL PERSONAL PROPERTY WITHIN THE RIGHT-OF-WAY THAT IS NOT RELOCATED BY THE PROPERTY OWNER SHALL BE REMOVED BY THE CONTRACTOR AS NECESSARY TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE PLANS.
19. CONTRACTOR IS TO MAINTAIN UNINTERRUPTED ACCESS TO ALL DRIVEWAYS AT ALL TIMES AND IS TO NOTIFY PROPERTY OWNERS FIVE (5) DAYS PRIOR TO STARTING CONSTRUCTION ADJACENT TO THEIR INDIVIDUAL PROPERTIES.
20. ACCESS TO INTERSECTING SIDE STREETS SHALL BE MAINTAINED AT ALL TIMES.
21. CONTRACTOR SHALL PERFORM WORK IN ACCORDANCE WITH REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS, SECTION 104 - PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION. ENVIRONMENTAL CONTROLS SHALL BE USED AT LOCATIONS DESIGNATED IN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) PROVIDED IN THESE PLANS AND/OR APPROVED BY THE ENGINEER.
22. CONTRACTOR SHALL ENSURE THAT PROPOSED CONDITIONS WILL NOT RESULT IN LESS COVER OVER THE EXISTING UTILITIES THAN THE MINIMUM REQUIREMENTS BELOW, UNLESS SPECIFICALLY APPROVED BY THE CITY IN WRITING:

STORM DRAINS	36 INCHES	MINIMUM COVER
WATER MAINS	36 INCHES	MINIMUM COVER
WATER SERVICES	30 INCHES	MINIMUM COVER
RECLAIMED WATER MAINS	36 INCHES	MINIMUM COVER
SANITARY SEWER FORCE MAINS	36 INCHES	MINIMUM COVER
GRAVITY SEWER MAINS & SERVICES	36 INCHES	MINIMUM COVER
PRIMARY OR SECONDARY ELECTRIC	36 INCHES	MINIMUM COVER
TELECOMMUNICATIONS	30 INCHES	MINIMUM COVER
TRAFFIC SIGNAL CONDUIT	36 INCHES	MINIMUM COVER
23. ALL STRIPING AND PAVEMENT MARKINGS SHALL BE THERMOPLASTIC CONSTRUCTED IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION, SECTION 711.
24. IN LOCATIONS WHERE EXISTING ASPHALT IS TO BE SAWCUT OR CURBING IS TO BE REMOVED / REPLACED WITH NEW CURB OR CURB & GUTTER, CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF THE EXISTING TRAVEL LANES THROUGH THE DURATION OF THE PROJECT, AND SHALL BE REQUIRED TO REPAIR ANY PAVEMENT THAT IS DAMAGED DURING CONSTRUCTION TO THE SATISFACTION OF THE CITY OF DAYTONA BEACH, WHICH COULD ENTAIL MILLING/RESURFACING AND/OR FULL DEPTH RECONSTRUCTION OF THE PAVEMENT SECTION DEPENDING UPON THE LEVEL OF DAMAGE THAT MAY OCCUR. ALL COSTS ASSOCIATED WITH ANY NECESSARY ROADWAY REPAIRS ARE TO BE INCLUDED IN THE COSTS FOR PAY ITEM 520-1-10 CONCRETE CURB & GUTTER, TYPE F AND PAY ITEM 520-2-4 CONCRETE CURB, TYPE D
25. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL HAVE A CONTINUOUS COLOR VIDEO RECORDING WITH AUDIO LOG TAKEN ALONG THE ENTIRE LENGTH OF THE PROPOSED PROJECT TO SERVE AS A RECORD OF PRE-CONSTRUCTION CONDITIONS. TWO (2) COPIES OF THE VIDEOS SHALL BE DELIVERED TO THE CITY'S CONSTRUCTION REPRESENTATIVE FOR APPROVAL. VIDEO RECORDINGS SHALL NOT BE MADE MORE THAN THIRTY (30) DAYS PRIOR TO CONSTRUCTION IN ANY AREA. NO CONSTRUCTION SHALL BEGIN PRIOR TO REVIEW AND APPROVAL OF THE VIDEOS COVERING THE CONSTRUCTION AREA BY THE CITY'S CONSTRUCTION REPRESENTATIVE. THE CITY'S CONSTRUCTION REPRESENTATIVE SHALL HAVE THE AUTHORITY TO REJECT ALL OR ANY PORTION OF THE VIDEO. ALL VIDEOS SHALL BECOME THE PROPERTY OF THE CITY. THE CONTRACTOR SHALL NOTIFY THE CITY'S CONSTRUCTION REPRESENTATIVE 48 HOURS IN ADVANCE SO AN ENGINEER'S

26. REPRESENTATIVE MAY BE PRESENT DURING PROJECT TAPING. CONTRACTOR SHALL NOT CREATE A PUBLIC NUISANCE INCLUDING, BUT NOT LIMITED TO, ENCRANCHMENT ON ADJACENT LANDS, FLOODING OF ADJACENT LANDS, OR EXCESSIVE NOISE. SOUND LEVELS SHALL NOT EXCEED 65 DBA 7 A.M. TO 10 P.M., OR 60 DBA FROM 10 P.M. TO 7 A.M. WHEN PERMITTED TO WORK AT NIGHT. THIS SOUND LEVEL SHALL BE MEASURED AT THE EXTERIOR OF THE NEAREST EXTERIOR WALL OF THE NEAREST RESIDENCE. LEVELS AT THE EQUIPMENT SHALL NOT EXCEED 85 DBA AT ANY TIME. SOUND LEVELS IN EXCESS OF THESE VALUES ARE SUFFICIENT CAUSE TO HAVE THE WORK HALTED UNTIL EQUIPMENT CAN BE QUIETED TO THESE LEVELS. WORK STOPPAGE BY THE ENGINEER OR OWNER FOR EXCESSIVE NOISE SHALL NOT RELIEVE THE CONTRACTOR OF THE COMPLETION DATES AND BID AMOUNTS, AND NO ADDITIONAL COMPENSATION OR SCHEDULE EXTENSIONS WILL BE PROVIDED FOR TIME LOST DUE TO WORK STOPPAGE RESULTING FROM THE CREATION OF A PUBLIC NUISANCE.
27. EXTENSIVE TRIMMING OF SHRUBS AND PRUNING OF TREE LIMBS AND ROOTS IS ANTICIPATED TO BE REQUIRED FOR CONSTRUCTION OF THE PROPOSED SHARED USE PATH. THROUGHOUT THE PRUNING PROCESS, CONTRACTOR SHALL BE REQUIRED TO COORDINATE WITH THE CITY OF DAYTONA BEACH AND SHALL BE REQUIRED TO COMPLETE ALL PRUNING TO THE CITY'S SATISFACTION. PRIOR TO COMPLETING ANY PRUNING, CONTRACTOR SHALL EXCAVATE SOILS AROUND ROOT SYSTEMS SUCH THAT ROOTS ARE EXPOSED AND CAN BE VISIBLY INSPECTED BY THE CITY. LIMBS OF ALL EXISTING TREES OR SHRUBS WHICH OVERHANG THE PROPOSED SHARED USE PATH SHALL BE PRUNED TO PROVIDE 10 FEET OF VERTICAL CLEARANCE. ANY TREES, SHRUBS, OR BRUSH ADJACENT TO THE PROPOSED SHARED USE PATH SHALL BE TRIMMED TO PROVIDE A MINIMUM OF 4 FOOT HORIZONTAL CLEARANCE, AS MEASURED FROM THE EDGE OF THE SHARED USE PATH, UNLESS THIS DISTANCE EXCEEDS AVAILABLE RIGHT-OF-WAY LIMITS, IN WHICH CASE TRIMMING SHALL BE TERMINATED AT THE RIGHT-OF-WAY.
28. WHEN NOTED FOR REMOVAL IN THESE PLANS, EXISTING TREES SHALL BE COMPLETELY REMOVED BY THE CONTRACTOR, INCLUDING LIMBS, TRUNKS, AND THEIR ENTIRE ROOT SYSTEM(S). CONTRACTOR SHALL USE CAUTION WHEN REMOVING EXISTING TREES IN ORDER TO AVOID DAMAGE TO OTHER ELEMENTS THAT MAY BE IN CLOSE PROXIMITY, SUCH AS FENCES OR OTHER PRIVATE PROPERTY, EXISTING UTILITIES, OTHER TREES, ETC. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE CAUSED, AND NO ADDITIONAL COMPENSATION SHALL BE PROVIDED TO RESTORE ITEMS THAT ARE DAMAGED DURING CONSTRUCTION. IN LOCATIONS WHERE SUBSTANTIAL ROOT SYSTEMS ARE ENCOUNTERED IN CLOSE PROXIMITY TO EXISTING UTILITIES, CONTRACTOR SHALL CONTACT CITY OF DAYTONA BEACH PUBLIC UTILITIES DIRECTOR TO DETERMINE WHETHER OR NOT PORTIONS OF EXISTING ROOT SYSTEMS WILL BE PERMITTED TO REMAIN IN THE GROUND IN ORDER TO AVOID DISRUPTION OF EXISTING UTILITIES.
29. AS-BUILT DRAWINGS ARE TO BE PROVIDED MEETING ALL THE REQUIREMENTS OUTLINED IN CITY STANDARD DETAIL M-11.
30. CONTRACTOR SHALL COORDINATE WITH TRANSIT AGENCY CONTACTS AS FOLLOWS:

START WORK NOTIFICATION

- CORNEL MACK, VOTRAN OPERATIONS MANAGER; (386) 756-7496, EXT. 4146; Cmack@volusia.org
- ELIZABETH SUCHSLAND, ASSISTANT GENERAL MANAGER; (386) 756-7496, EXT. 4127; esuchslan@volusia.org
- JOHN COTTON, TRANSIT ANALYST; (386) 756-7496, EXT. 4111; jcotton@volusia.org
- HEATHER BLANCK, TRANSIT COORDINATOR; (386) 756-7496, EXT. 4112; hblanck@volusia.org

LANE CLOSURE NOTIFICATIONS

- CORNEL MACK, VOTRAN OPERATIONS MANAGER; (386) 756-7496, EXT. 4146; Cmack@volusia.org
- ELIZABETH SUCHSLAND, ASSISTANT GENERAL MANAGER; (386) 756-7496, EXT. 4127; esuchslan@volusia.org
- JOHN COTTON, TRANSIT ANALYST; (386) 756-7496, EXT. 4111; jcotton@volusia.org
- HEATHER BLANCK, TRANSIT COORDINATOR; (386) 756-7496, EXT. 4112; hblanck@volusia.org

REVISIONS	
DATE	DESCRIPTION



CITY OF DAYTONA BEACH

MICHAEL STEVEN REPSCH, P.E.
 P.E. LICENSE NUMBER 79870
 ALTA PLANNING + DESIGN
 313 DATURA STREET, SUITE 100
 WEST PALM BEACH, FL 33401
 CERTIFICATE OF AUTHORIZATION 31108

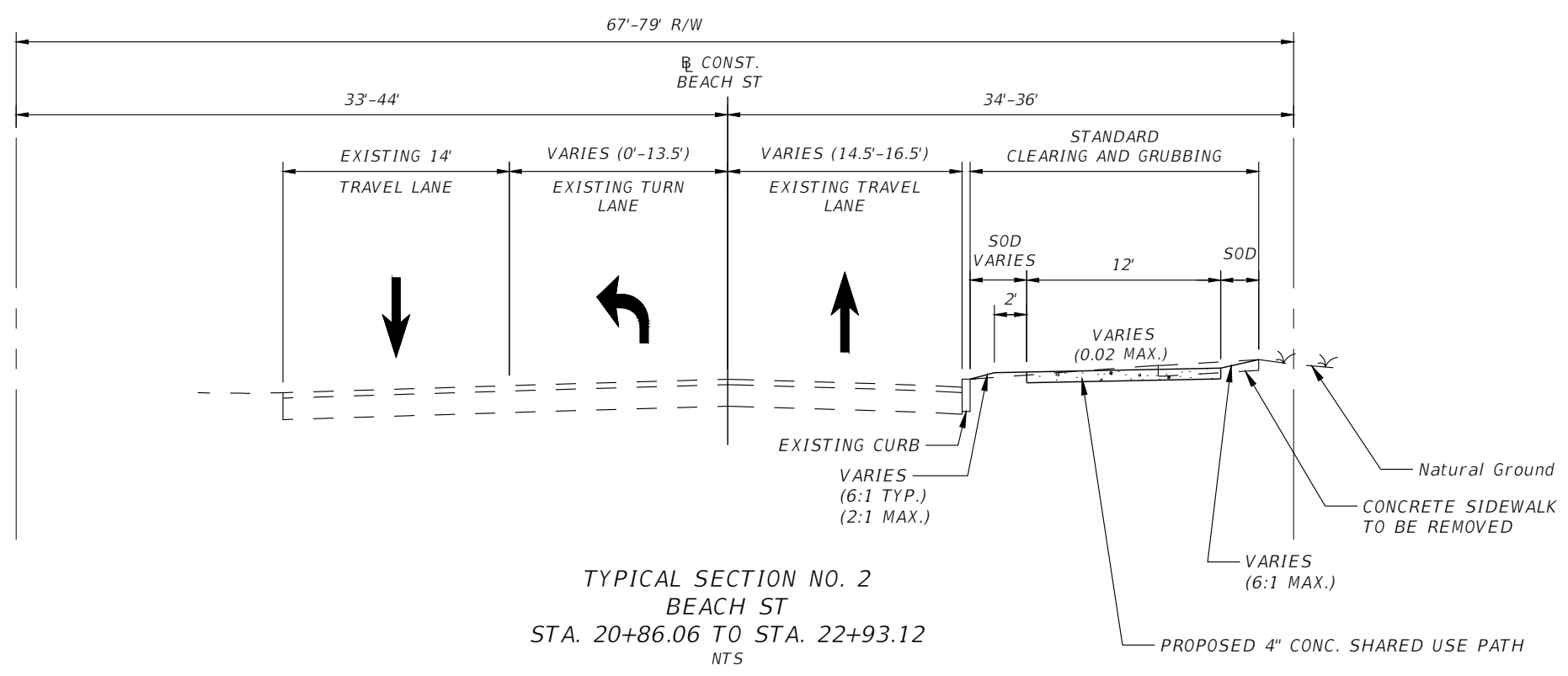
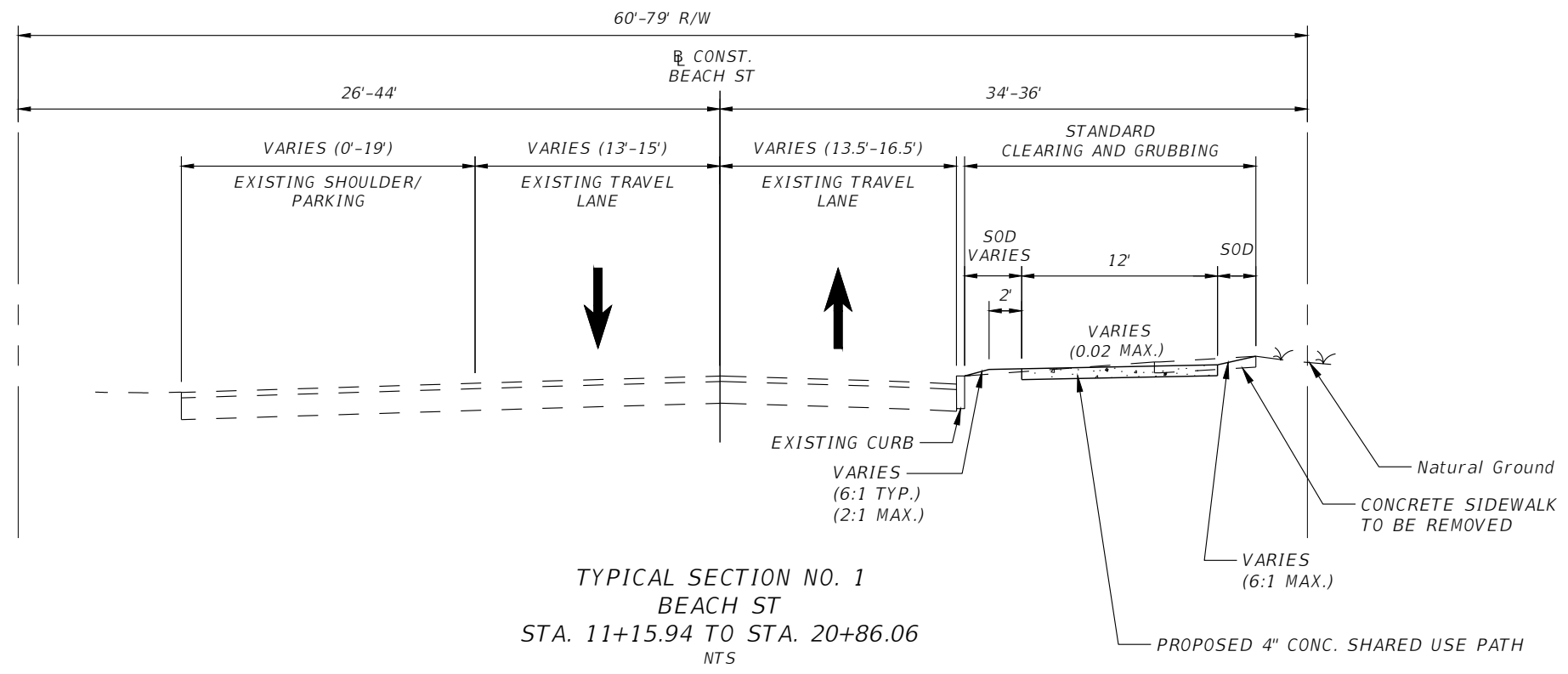


SWEETHEART TRAIL
 (BEACH ST BETWEEN MARINA POINT DR AND ORANGE AVE)

GENERAL NOTES

100% SUBMITTAL

SHEET NO.
6



REVISIONS	
DATE	DESCRIPTION



CITY OF
DAYTONA BEACH

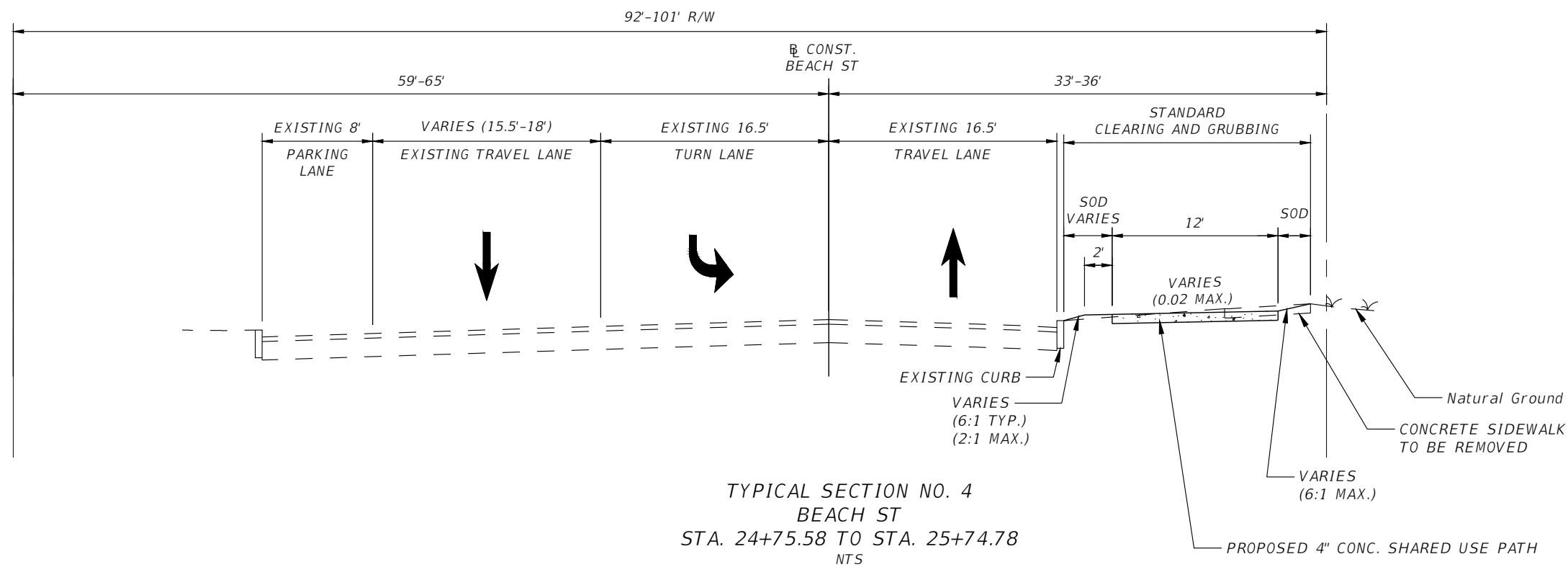
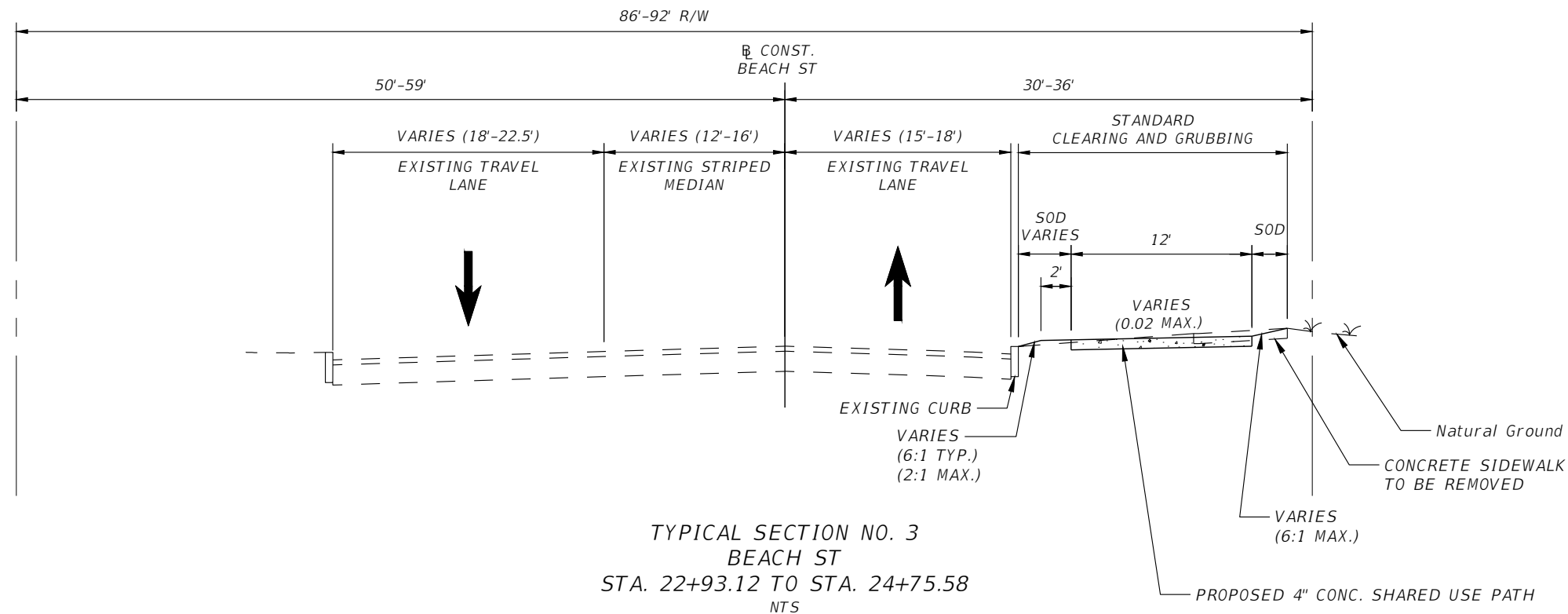
MICHAEL STEVEN REPSCH, P.E.
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SWEETHEART TRAIL
 (BEACH ST BETWEEN
 MARINA POINT DR AND ORANGE AVE)

TYPICAL SECTIONS

100% SUBMITTAL

SHEET
 NO.
7



REVISIONS	
DATE	DESCRIPTION



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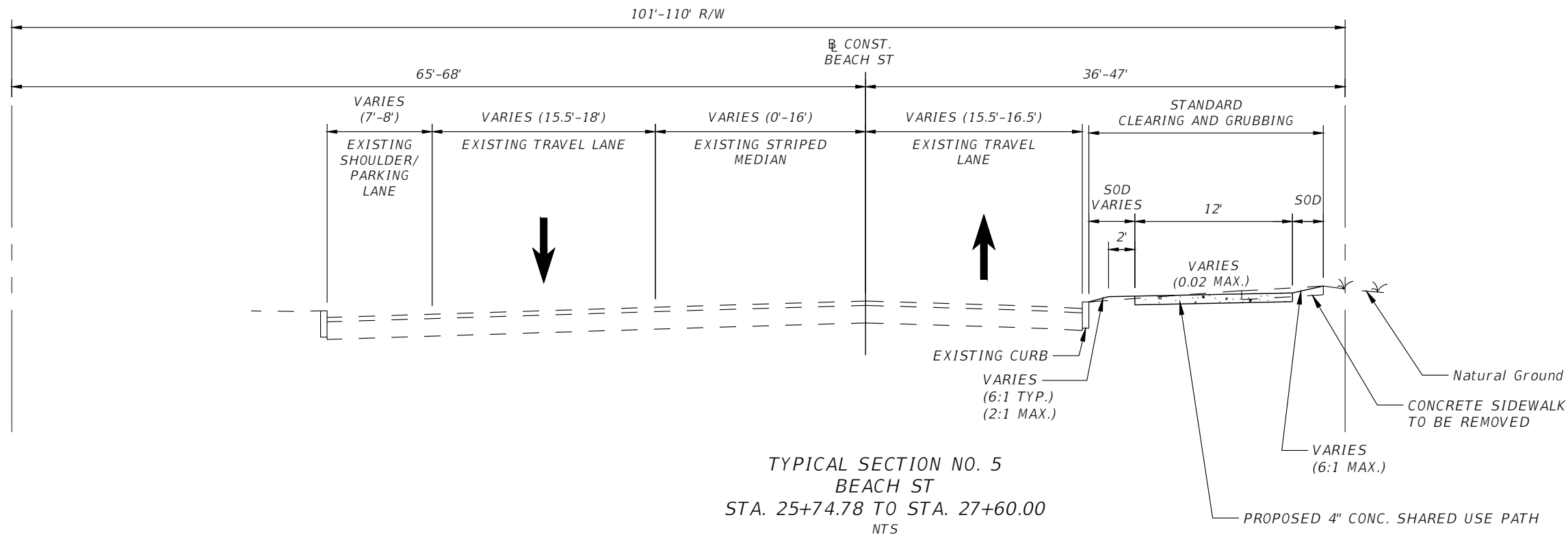


SWEETHEART TRAIL
 (BEACH ST BETWEEN
 MARINA POINT DR AND ORANGE AVE)

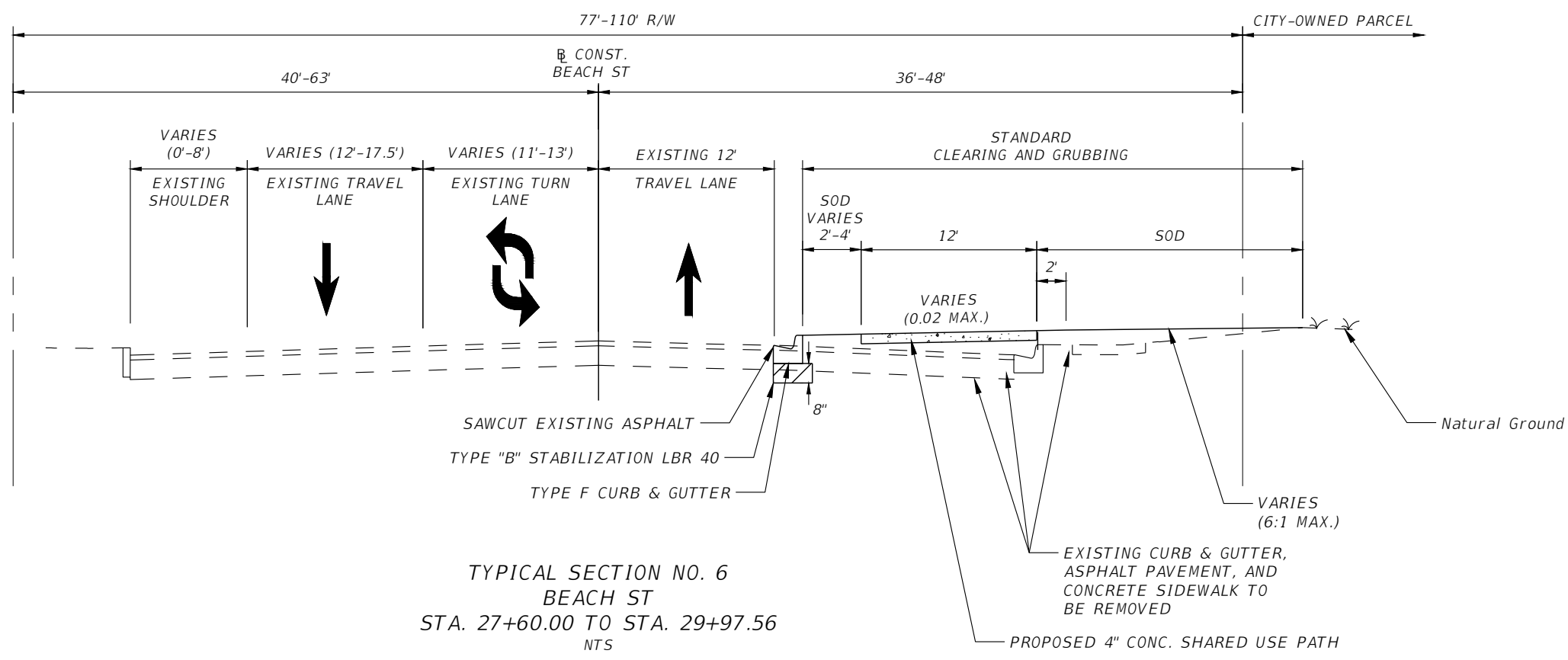
TYPICAL SECTIONS

100% SUBMITTAL

SHEET
 NO.
 8



TYPICAL SECTION NO. 5
 BEACH ST
 STA. 25+74.78 TO STA. 27+60.00
 NTS



TYPICAL SECTION NO. 6
 BEACH ST
 STA. 27+60.00 TO STA. 29+97.56
 NTS

REVISIONS	
DATE	DESCRIPTION



CITY OF
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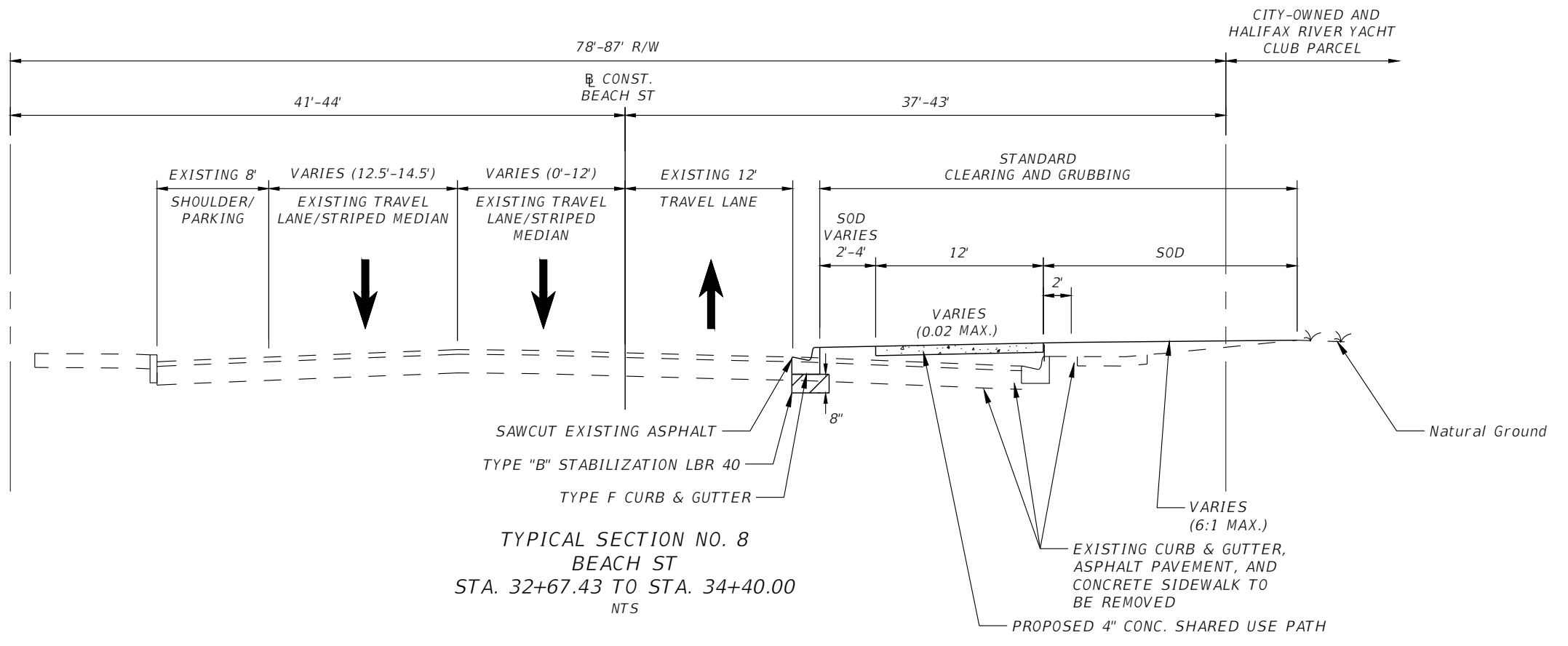
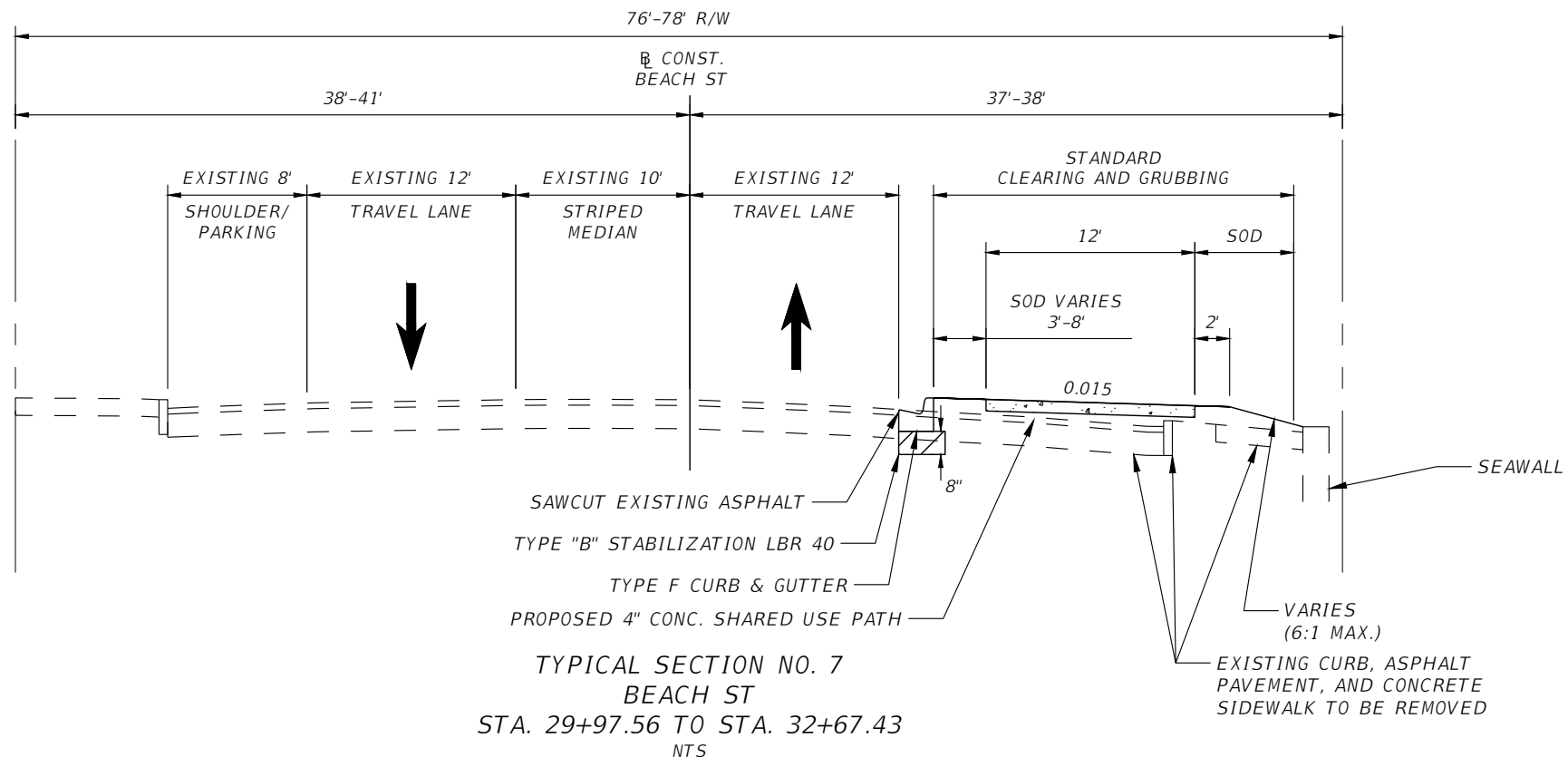


SWEETHEART TRAIL
 (BEACH ST BETWEEN
 MARINA POINT DR AND ORANGE AVE)

TYPICAL SECTIONS

100% SUBMITTAL

SHEET
 NO.
 9



REVISIONS	
DATE	DESCRIPTION



CITY OF
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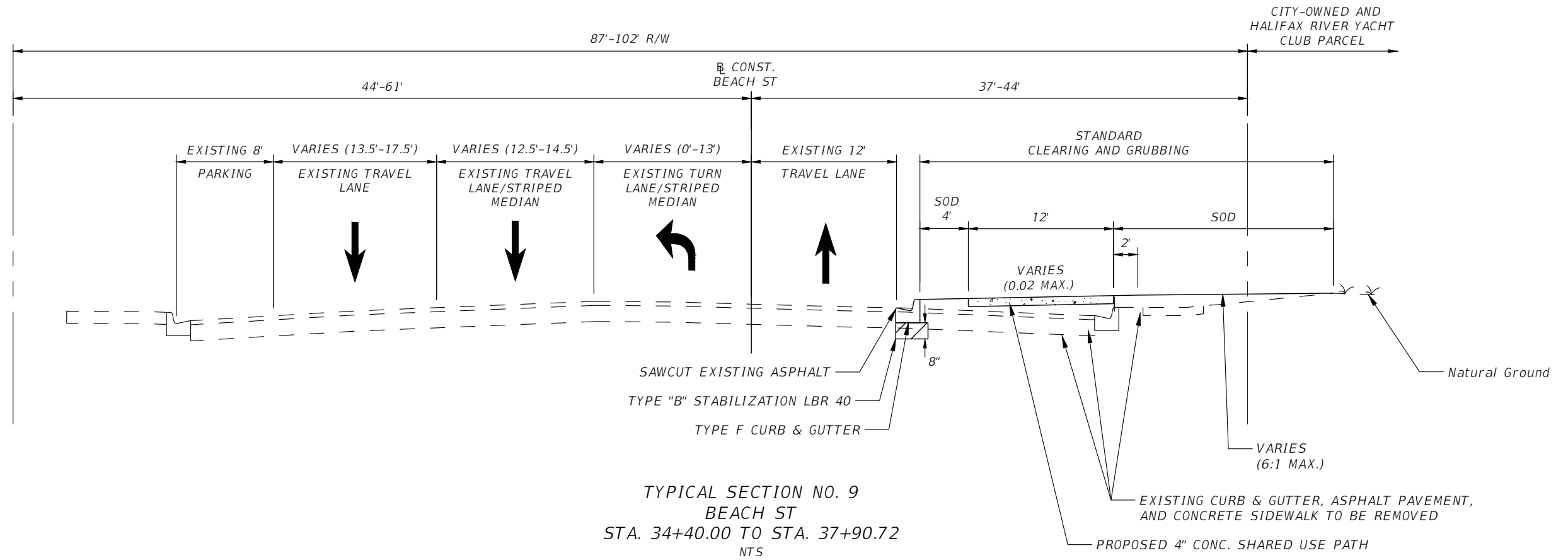


SWEETHEART TRAIL
 (BEACH ST BETWEEN
 MARINA POINT DR AND ORANGE AVE)

TYPICAL SECTIONS

100% SUBMITTAL

SHEET
 NO.
10



REVISIONS	
DATE	DESCRIPTION



CITY OF
DAYTONA BEACH

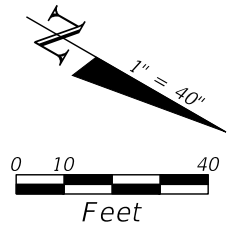
MICHAEL STEVEN REPSCH, P.E.
 P.E. LICENSE NUMBER 79870
alta
 ALTA PLANNING + DESIGN
 313 DATURA STREET, SUITE 100
 WEST PALM BEACH, FL 33401
 www.altaplanning.com
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SWEETHEART TRAIL
 (BEACH ST BETWEEN
 MARINA POINT DR AND ORANGE AVE)

TYPICAL SECTIONS

100% SUBMITTAL

SHEET
 NO.
11



CURVE DATA - C1
 PI STA. = 14+70.35
 DELTA = 8° 33' 55"
 D = 18° 28' 57"
 T = 23.21
 L = 46.34
 R = 310.00
 PC STA. = 14+47.13
 PT STA. = 14+93.48

CURVE DATA - C2
 PI STA. = 15+93.94
 DELTA = 3° 21' 59"
 D = 2° 51' 53"
 T = 58.77
 L = 117.51
 R = 2000.00
 PC STA. = 15+35.16
 PT STA. = 16+52.67

BEGIN PROJECT
 BEGIN CONSTRUCTION
 BEGIN SHARED USE PATH
 STA. 11+15.94

CONST. DETECTABLE
 WARNING SURFACE
 PER FDOT INDEX #304

REMOVE EX CONC. SIDEWALK

CONST. CONCRETE SIDEWALK
 TIE TO EXISTING SIDEWALK

PC STA. 14+47.13

EXISTING R/W

REMOVE EX CONC. SIDEWALK

CONST. CONC. SHARED
 USE PATH

CONST. FORCE MAIN
 (BY OTHERS)

CONST. RECLAIMED
 WATER LINE
 (BY OTHERS)

REMOVE EX CURB AND GUTTER
 WITHIN LIMITS OF SOD AND
 SHARED USE PATH

INSTALL SEDIMENT
 BARRIER

CONST. TYPE CR-A CURB RAMP WITH
 DETECTABLE WARNING SURFACE PER
 FDOT INDEX #304

TIE INTO EX SIDEWALK

EX VALVES TO BE ADJUSTED TO
 FINISHED GRADE

CONST. TYPE CR-F CURB RAMP WITH
 DETECTABLE WARNING SURFACE PER
 FDOT INDEX #304

INSTALL INLET PROTECTION

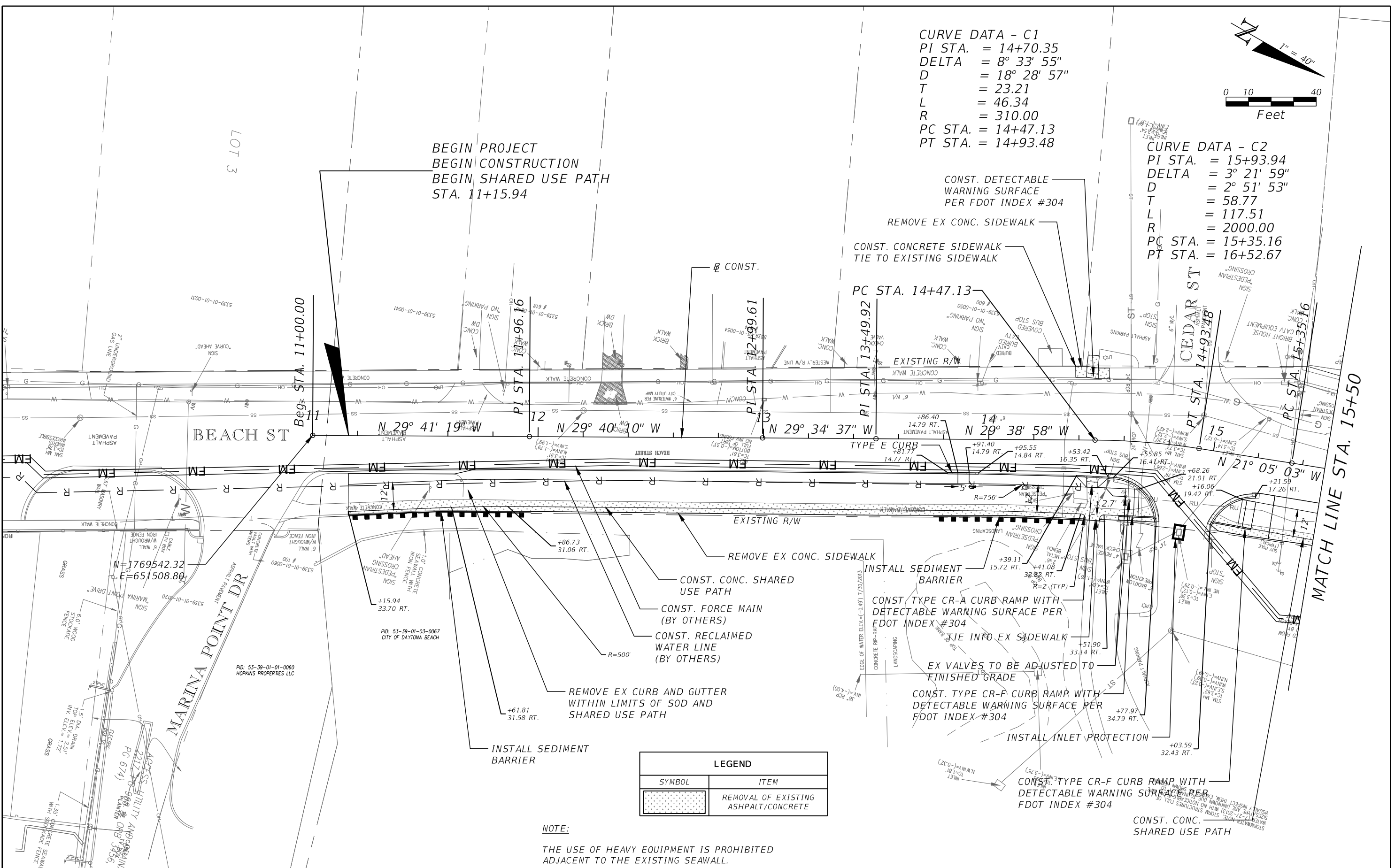
CONST. TYPE CR-F CURB RAMP WITH
 DETECTABLE WARNING SURFACE PER
 FDOT INDEX #304

CONST. CONC.
 SHARED USE PATH

LEGEND	
SYMBOL	ITEM
	REMOVAL OF EXISTING ASPHALT/CONCRETE

NOTE:

THE USE OF HEAVY EQUIPMENT IS PROHIBITED
 ADJACENT TO THE EXISTING SEAWALL.



REVISIONS	
DATE	DESCRIPTION

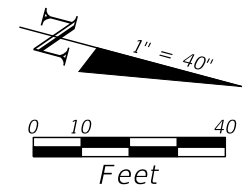
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SWEETHEART TRAIL
 (BEACH ST BETWEEN
 MARINA POINT DR AND ORANGE AVE)

ROADWAY PLAN SHEET
 100% SUBMITTAL

SHEET
 NO.
 12



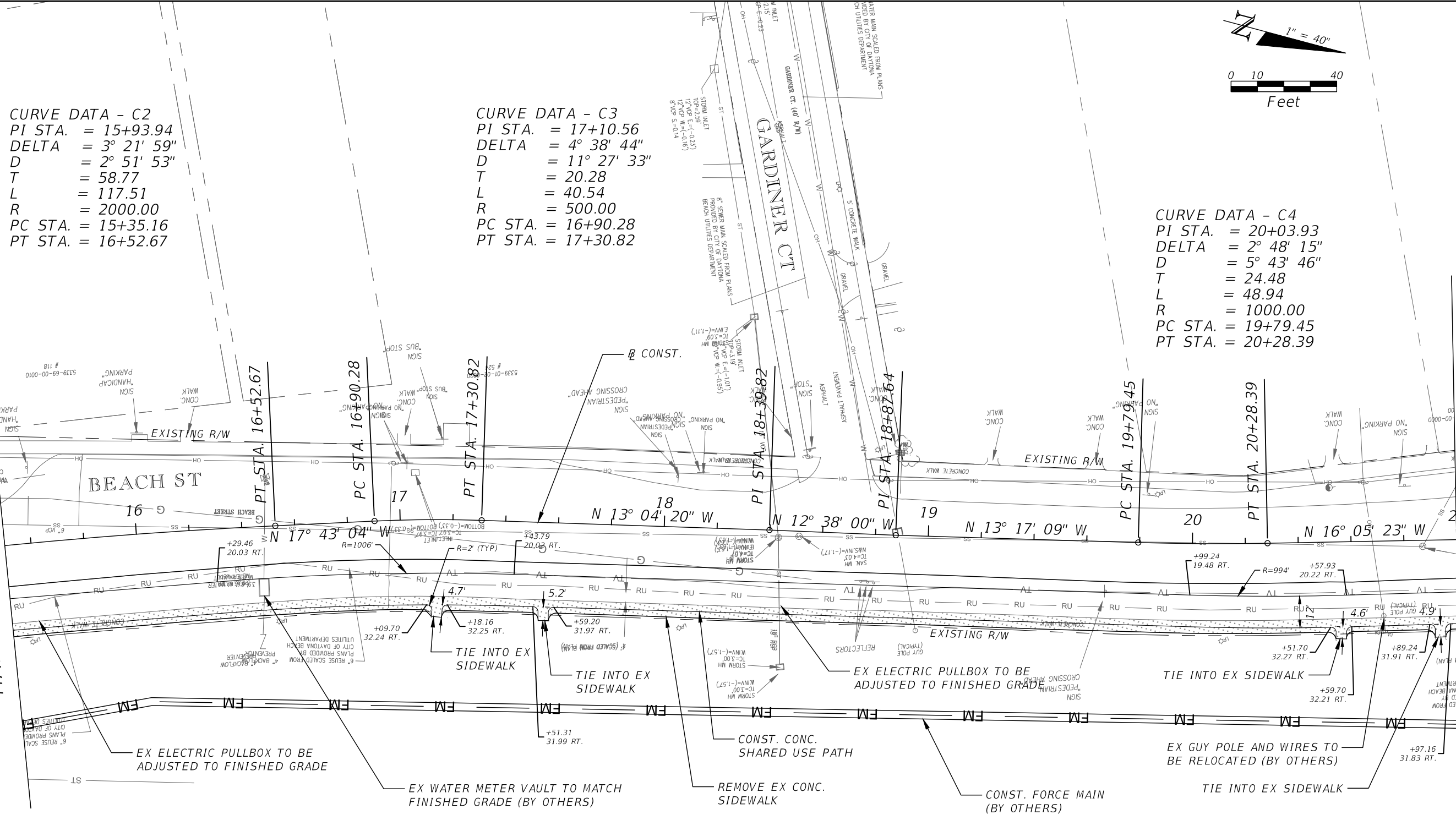
CURVE DATA - C2
 PI STA. = 15+93.94
 DELTA = 3° 21' 59"
 D = 2° 51' 53"
 T = 58.77
 L = 117.51
 R = 2000.00
 PC STA. = 15+35.16
 PT STA. = 16+52.67

CURVE DATA - C3
 PI STA. = 17+10.56
 DELTA = 4° 38' 44"
 D = 11° 27' 33"
 T = 20.28
 L = 40.54
 R = 500.00
 PC STA. = 16+90.28
 PT STA. = 17+30.82

CURVE DATA - C4
 PI STA. = 20+03.93
 DELTA = 2° 48' 15"
 D = 5° 43' 46"
 T = 24.48
 L = 48.94
 R = 1000.00
 PC STA. = 19+79.45
 PT STA. = 20+28.39

MATCH LINE STA. 15+50

MATCH LINE STA. 21+00



PID: 53-39-01-03-0067
 CITY OF DAYTONA BEACH

LEGEND	
SYMBOL	ITEM
	REMOVAL OF EXISTING ASPHALT/CONCRETE

REVISIONS	
DATE	DESCRIPTION



CITY OF DAYTONA BEACH

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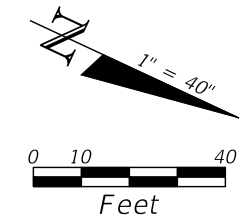


SWEETHEART TRAIL
 (BEACH ST BETWEEN
 MARINA POINT DR AND ORANGE AVE)

ROADWAY PLAN SHEET

100% SUBMITTAL

SHEET NO.
 13



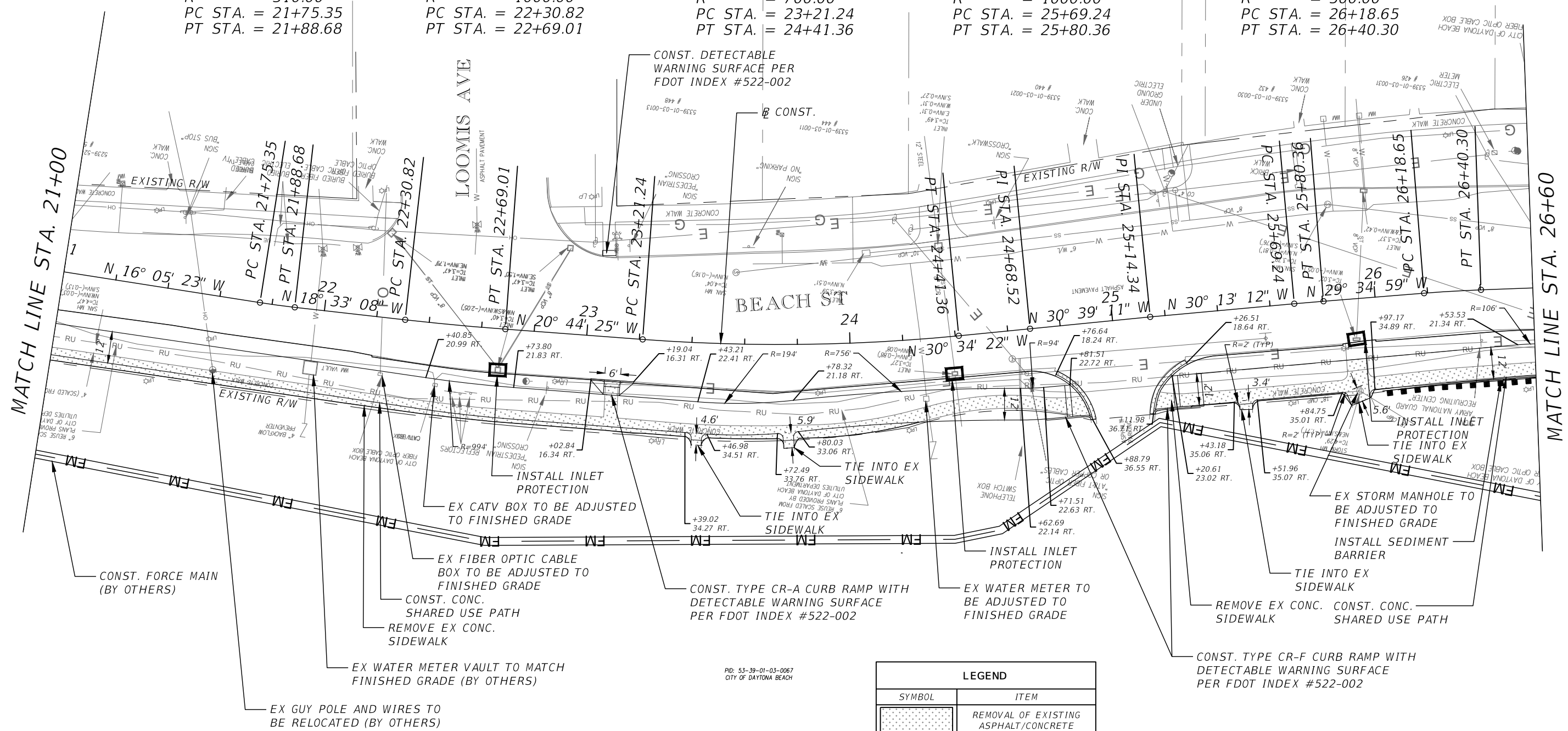
CURVE DATA - C5
 PI STA. = 21+82.01
 DELTA = 2° 27' 45"
 D = 18° 28' 57"
 T = 6.66
 L = 13.32
 R = 310.00
 PC STA. = 21+75.35
 PT STA. = 21+88.68

CURVE DATA - C6
 PI STA. = 22+49.92
 DELTA = 2° 11' 17"
 D = 5° 43' 46"
 T = 19.10
 L = 38.19
 R = 1000.00
 PC STA. = 22+30.82
 PT STA. = 22+69.01

CURVE DATA - C7
 PI STA. = 23+81.45
 DELTA = 9° 49' 57"
 D = 8° 11' 06"
 T = 60.21
 L = 120.13
 R = 700.00
 PC STA. = 23+21.24
 PT STA. = 24+41.36

CURVE DATA - C8
 PI STA. = 25+74.80
 DELTA = 0° 38' 12"
 D = 5° 43' 46"
 T = 5.56
 L = 11.11
 R = 1000.00
 PC STA. = 25+69.24
 PT STA. = 25+80.36

CURVE DATA - C9
 PI STA. = 26+29.48
 DELTA = 2° 28' 51"
 D = 11° 27' 33"
 T = 10.83
 L = 21.65
 R = 500.00
 PC STA. = 26+18.65
 PT STA. = 26+40.30



LEGEND	
SYMBOL	ITEM
	REMOVAL OF EXISTING ASPHALT/CONCRETE

REVISIONS	
DATE	DESCRIPTION



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SWEETHEART TRAIL
 (BEACH ST BETWEEN MARINA POINT DR AND ORANGE AVE)

ROADWAY PLAN SHEET

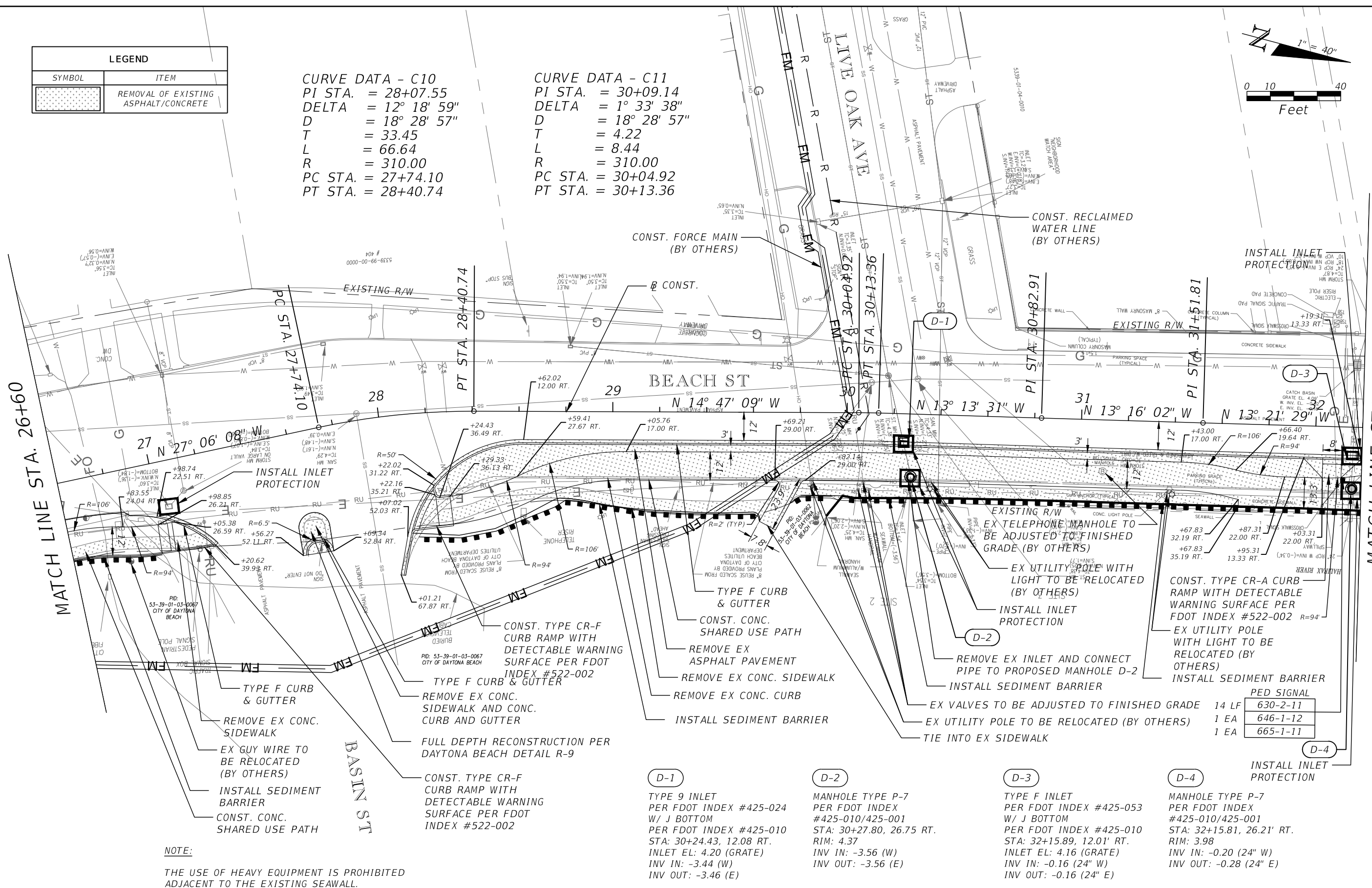
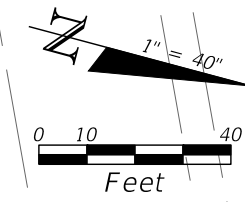
100% SUBMITTAL

SHEET NO.
 14

LEGEND	
SYMBOL	ITEM
	REMOVAL OF EXISTING ASPHALT/CONCRETE

CURVE DATA - C10
 PI STA. = 28+07.55
 DELTA = 12° 18' 59"
 D = 18° 28' 57"
 T = 33.45
 L = 66.64
 R = 310.00
 PC STA. = 27+74.10
 PT STA. = 28+40.74

CURVE DATA - C11
 PI STA. = 30+09.14
 DELTA = 1° 33' 38"
 D = 18° 28' 57"
 T = 4.22
 L = 8.44
 R = 310.00
 PC STA. = 30+04.92
 PT STA. = 30+13.36



NOTE:
 THE USE OF HEAVY EQUIPMENT IS PROHIBITED ADJACENT TO THE EXISTING SEAWALL.

MANHOLE	DESCRIPTION	QUANTITY	ITEM NO.
D-1	TYPE 9 INLET PER FDOT INDEX #425-024 W/ J BOTTOM PER FDOT INDEX #425-010 STA: 30+24.43, 12.08 RT. INLET EL: 4.20 (GRATE) INV IN: -3.44 (W) INV OUT: -3.46 (E)	1	630-2-11
D-2	MANHOLE TYPE P-7 PER FDOT INDEX #425-010/425-001 STA: 30+27.80, 26.75 RT. RIM: 4.37 INV IN: -3.56 (E) INV OUT: -3.56 (E)	1	646-1-12
D-3	TYPE F INLET PER FDOT INDEX #425-053 W/ J BOTTOM PER FDOT INDEX #425-010 STA: 32+15.89, 12.01' RT. INLET EL: 4.16 (GRATE) INV IN: -0.16 (24" W) INV OUT: -0.16 (24" E)	1	665-1-11
D-4	MANHOLE TYPE P-7 PER FDOT INDEX #425-010/425-001 STA: 32+15.81, 26.21' RT. RIM: 3.98 INV IN: -0.20 (24" W) INV OUT: -0.28 (24" E)	1	630-2-11

REVISIONS	
DATE	DESCRIPTION

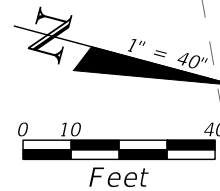
CITY OF DAYTONA BEACH

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 P.E. LICENSE NUMBER 79870
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 313 DATURA STREET, SUITE 100
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SWEETHEART TRAIL
 (BEACH ST BETWEEN MARINA POINT DR AND ORANGE AVE)

ROADWAY PLAN SHEET
 100% SUBMITTAL

SHEET NO.
 15



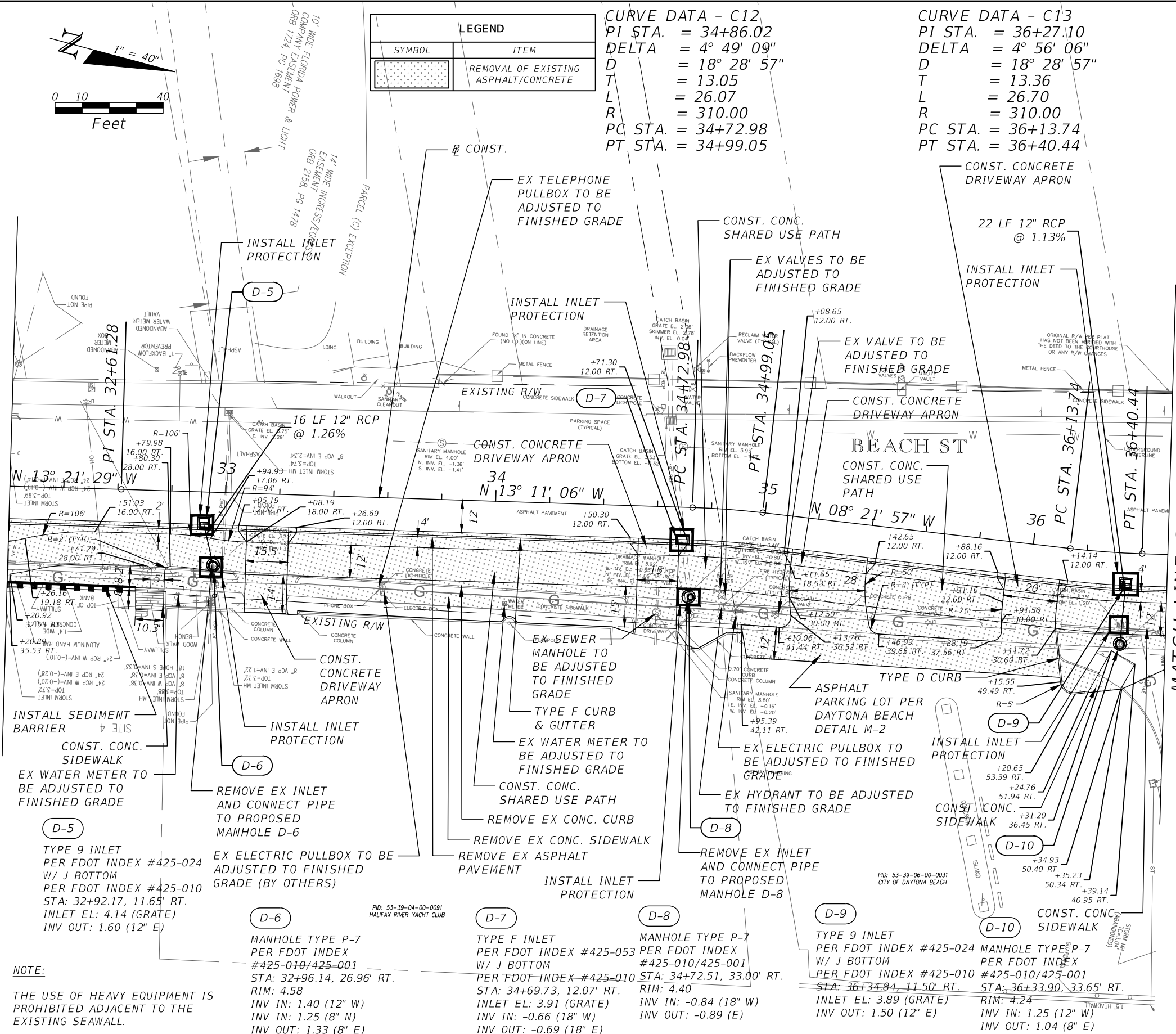
LEGEND	
SYMBOL	ITEM
	REMOVAL OF EXISTING ASPHALT/CONCRETE

CURVE DATA - C12
 PI STA. = 34+86.02
 DELTA = 4° 49' 09"
 D = 18° 28' 57"
 T = 13.05
 L = 26.07
 R = 310.00
 PC STA. = 34+72.98
 PT STA. = 34+99.05

CURVE DATA - C13
 PI STA. = 36+27.10
 DELTA = 4° 56' 06"
 D = 18° 28' 57"
 T = 13.36
 L = 26.70
 R = 310.00
 PC STA. = 36+13.74
 PT STA. = 36+40.44

MATCH LINE STA. 32+20

MATCH LINE STA. 36+50



NOTE:
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REVISIONS	
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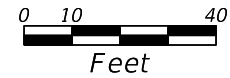
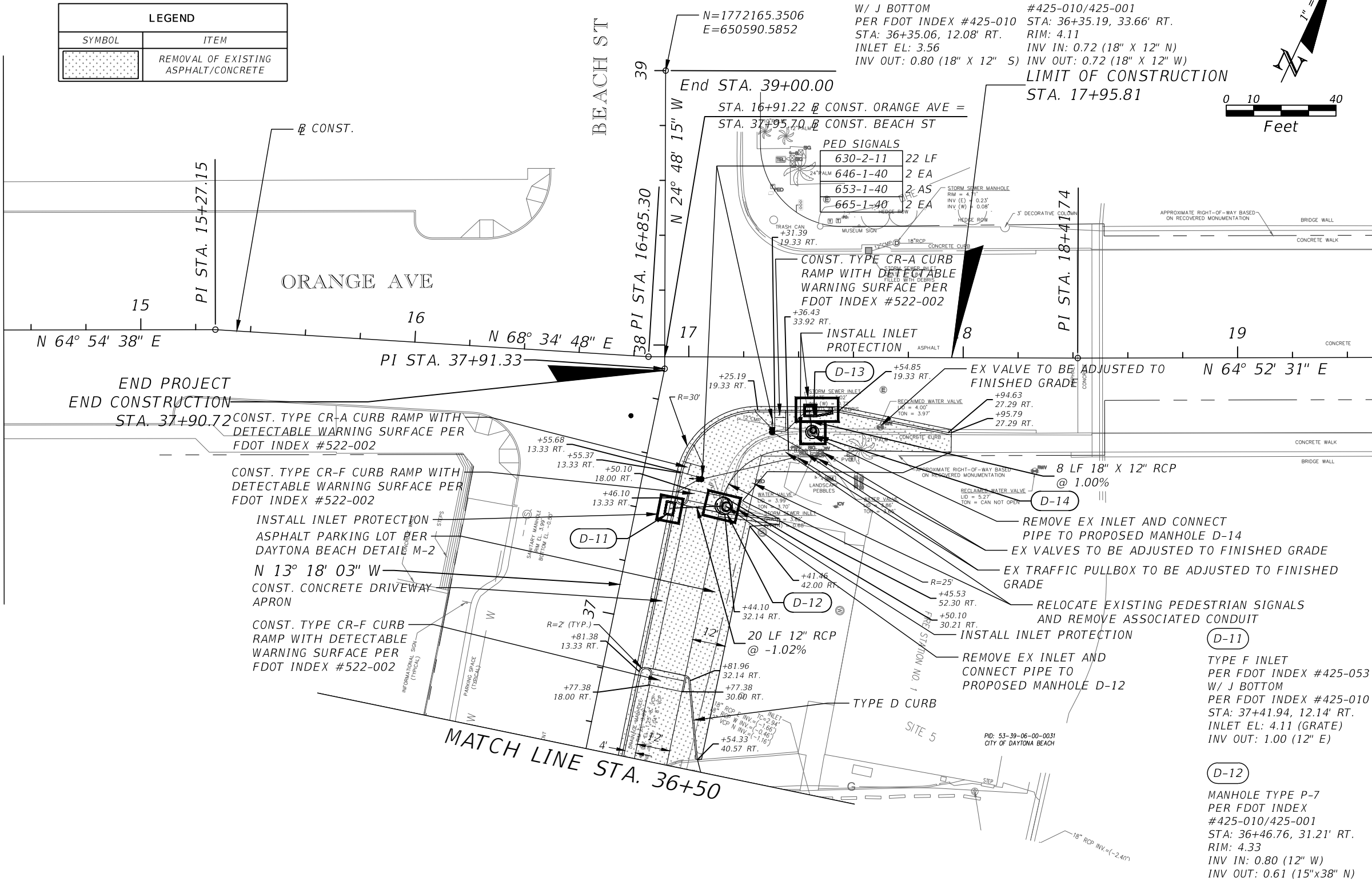
ROADWAY PLAN SHEET

100% SUBMITTAL

SHEET NO.
 16

LEGEND	
SYMBOL	ITEM
	REMOVAL OF EXISTING ASPHALT/CONCRETE

MATCH LINE STA. 14+50



REVISIONS	
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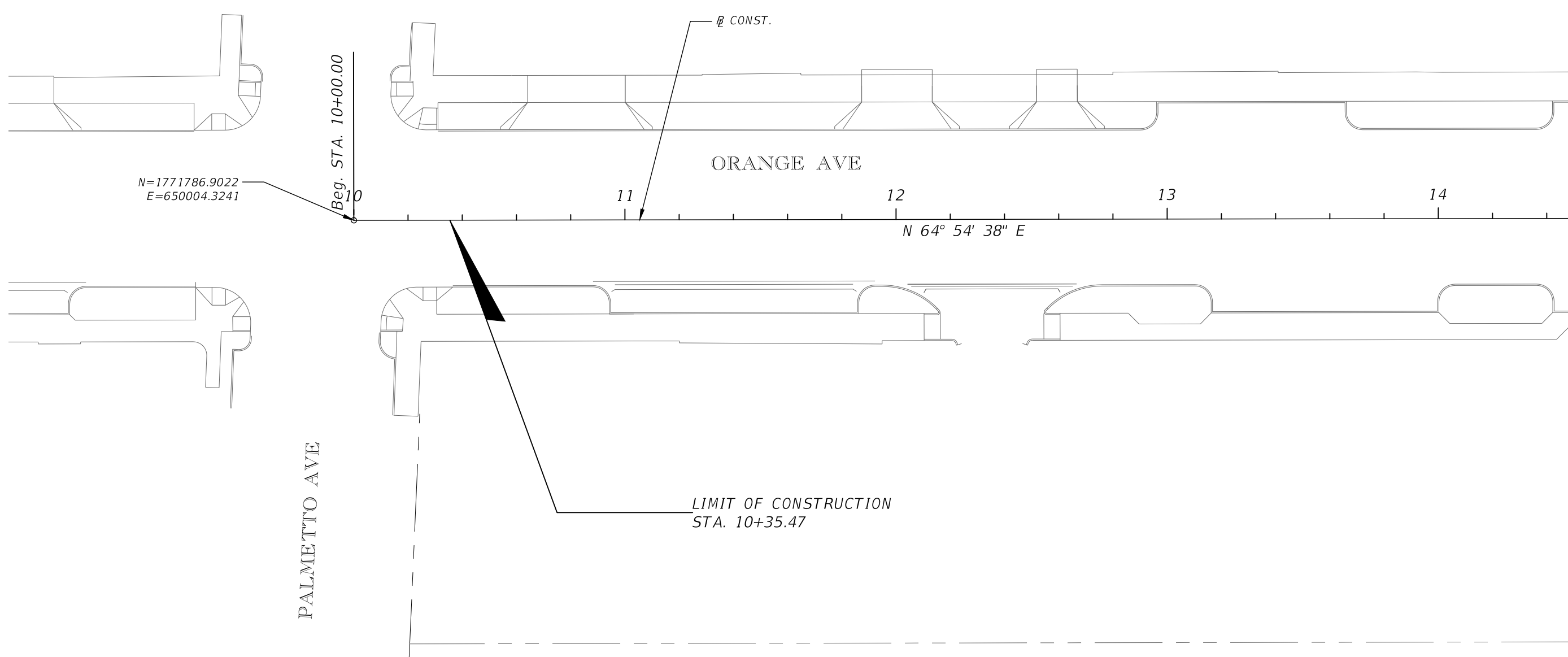
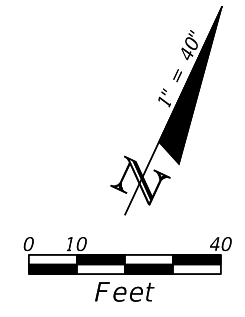


SWEETHEART TRAIL
 (BEACH ST BETWEEN MARINA POINT DR AND ORANGE AVE)

ROADWAY PLAN SHEET

100% SUBMITTAL

SHEET NO.
17



N=1771786.9022
E=650004.3241

Beg. STA. 10+00.00

ORANGE AVE

11

12

13

14

N 64° 54' 38" E

PALMETTO AVE

LIMIT OF CONSTRUCTION
STA. 10+35.47

MATCH LINE STA. 14+50

REVISIONS	
DATE	DESCRIPTION



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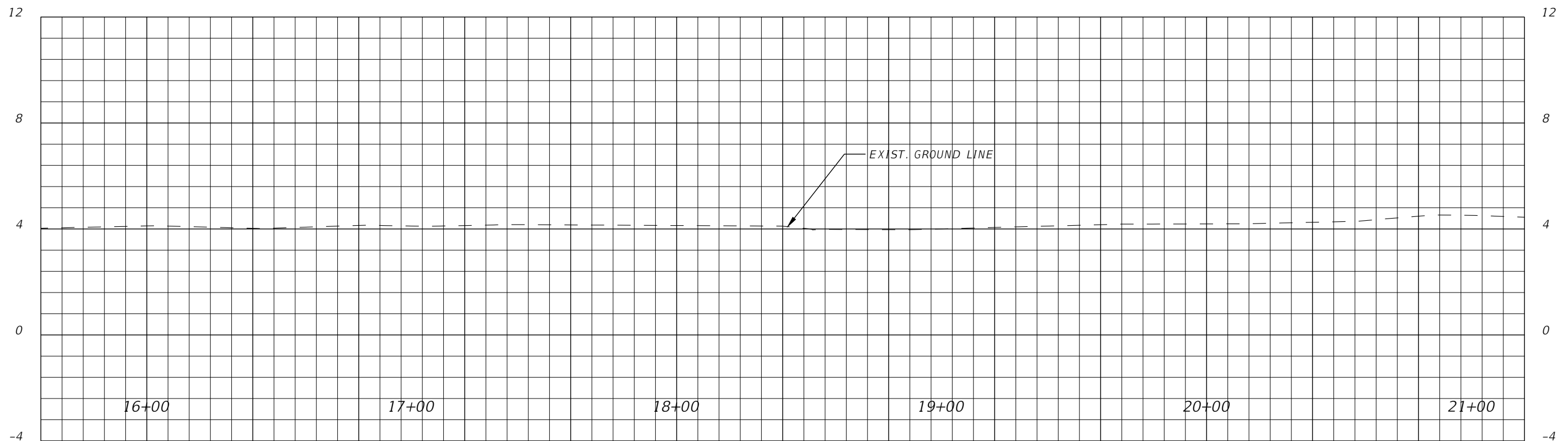
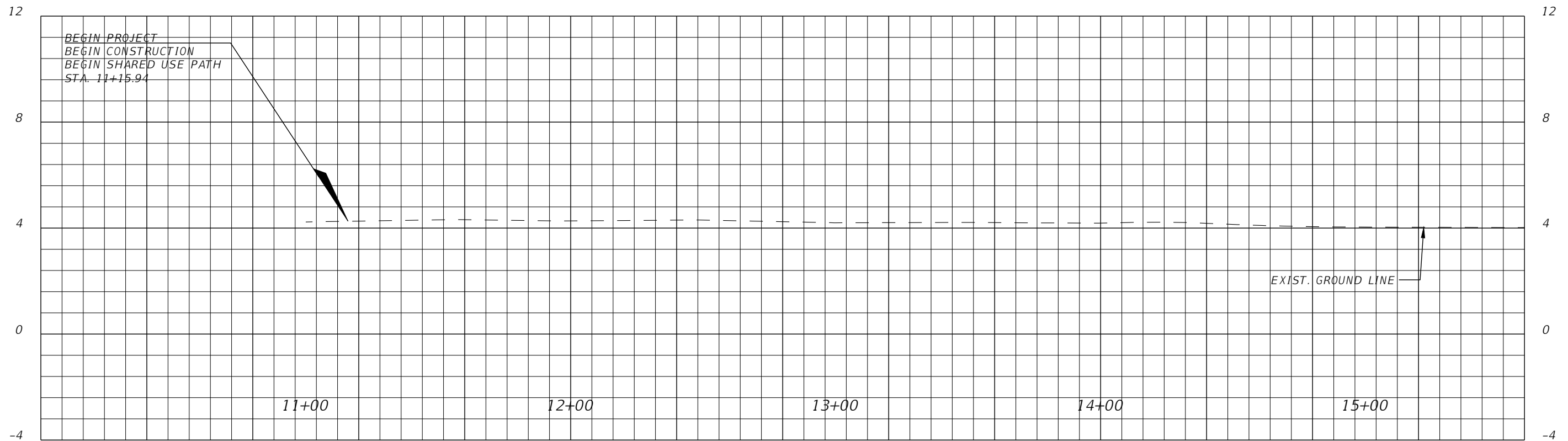


SWEETHEART TRAIL
(BEACH ST BETWEEN
MARINA POINT DR AND ORANGE AVE)

ROADWAY PLAN SHEET

100% SUBMITTAL

SHEET NO.
18



SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

REVISIONS	
DATE	DESCRIPTION



**CITY OF
 DAYTONA BEACH**

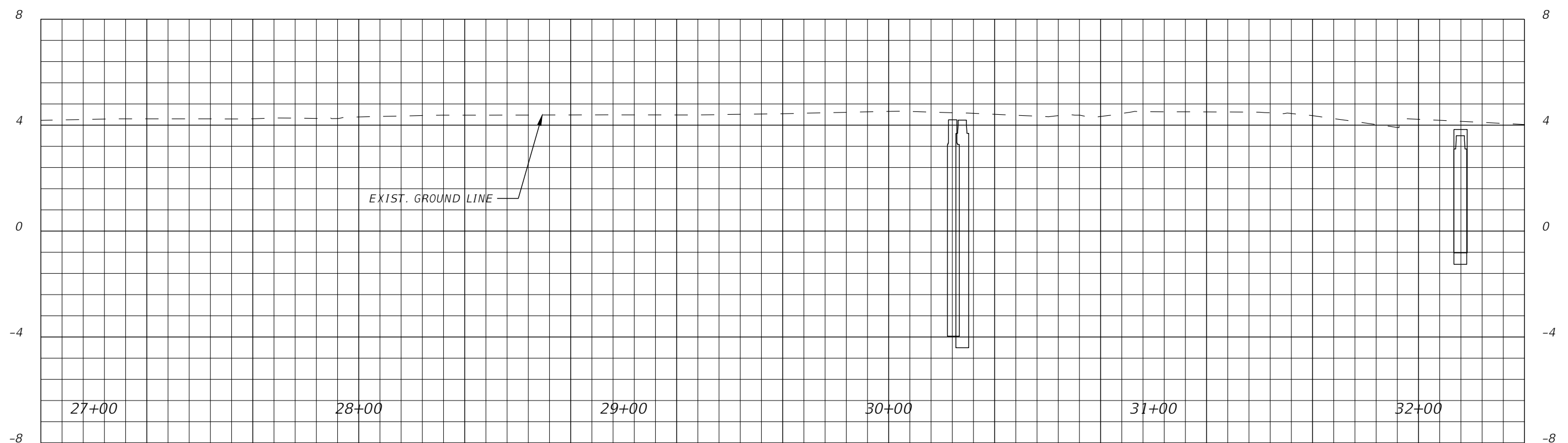
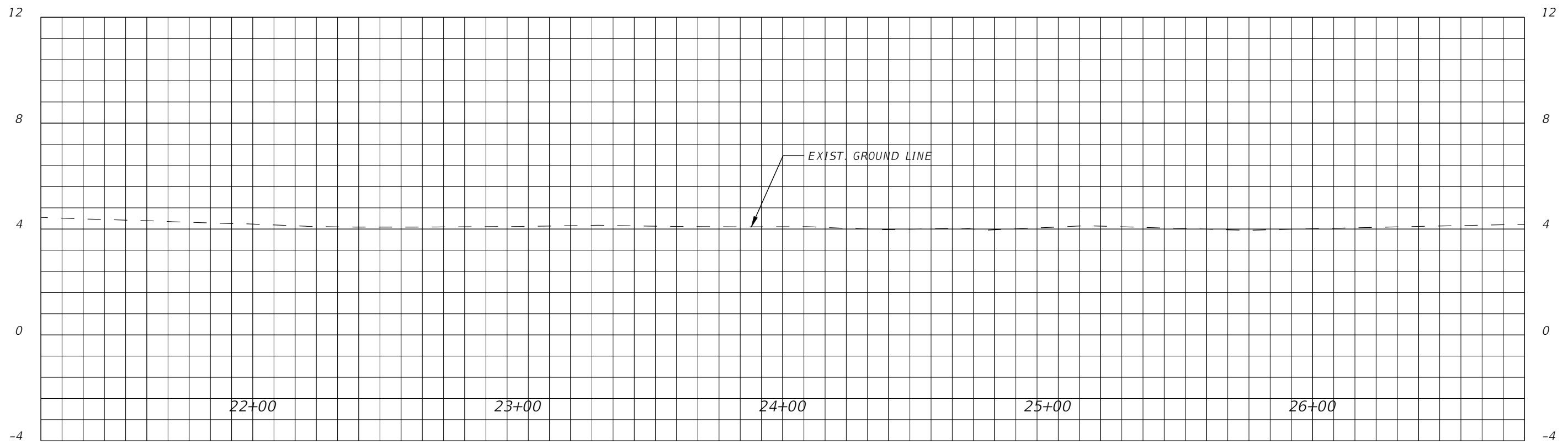
MICHAEL STEVEN REPSCH, P.E.
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SWEETHEART TRAIL
 (BEACH ST BETWEEN
 MARINA POINT DR AND ORANGE AVE)

ROADWAY PROFILE SHEET

100% SUBMITTAL

SHEET
 NO.
 19



D-1
D-2
D-4
D-3

SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

REVISIONS	
DATE	DESCRIPTION



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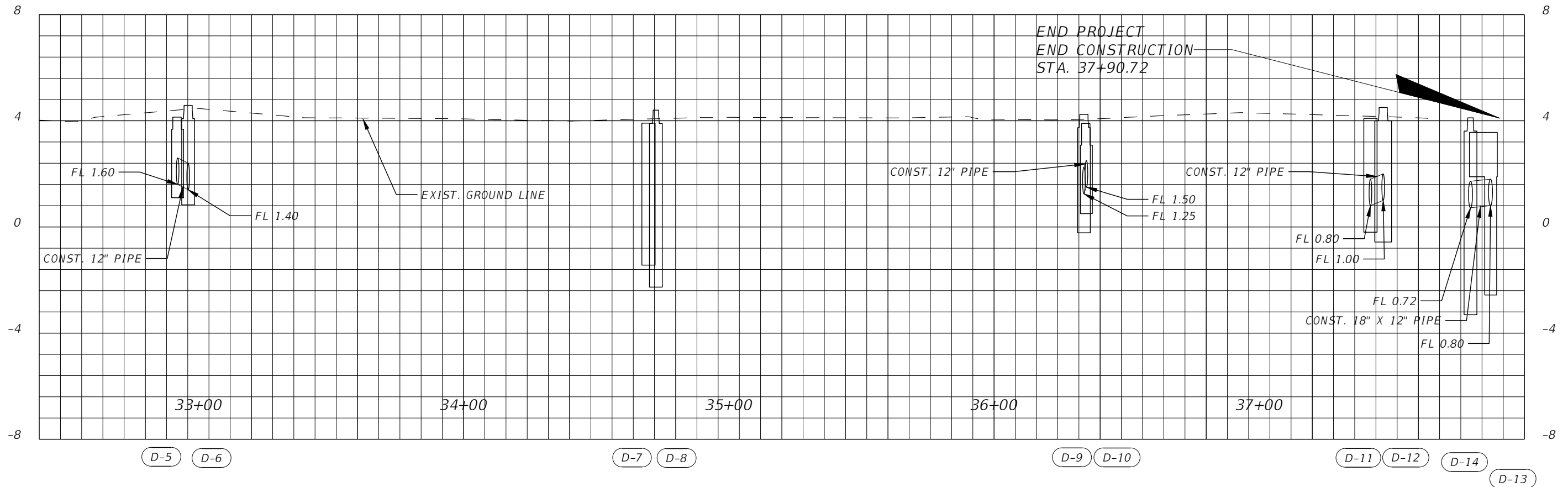
SWEETHEART TRAIL
 (BEACH ST BETWEEN
 MARINA POINT DR AND ORANGE AVE)

ROADWAY PROFILE SHEET

100% SUBMITTAL

SHEET
NO.

20



SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

REVISIONS	
DATE	DESCRIPTION



**CITY OF
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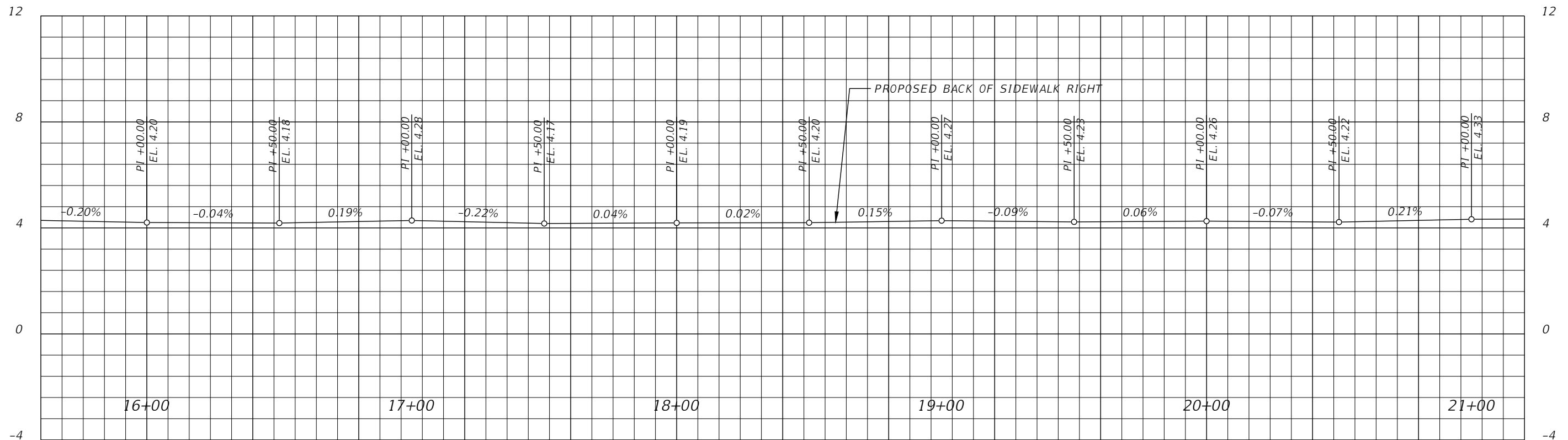
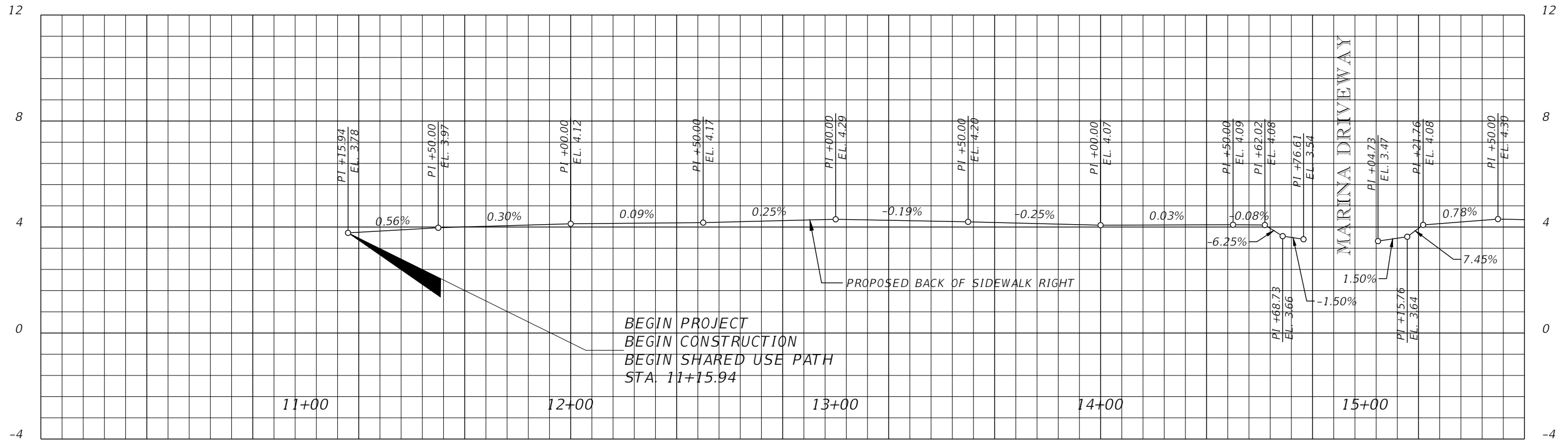
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SWEETHEART TRAIL
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 MARINA POINT DR AND ORANGE AVE)

ROADWAY PROFILE SHEET

100% SUBMITTAL

SHEET
 NO.
 21



SCALE:
1" = 40' HORIZ.
1" = 4' VERT.

REVISIONS	
DATE	DESCRIPTION



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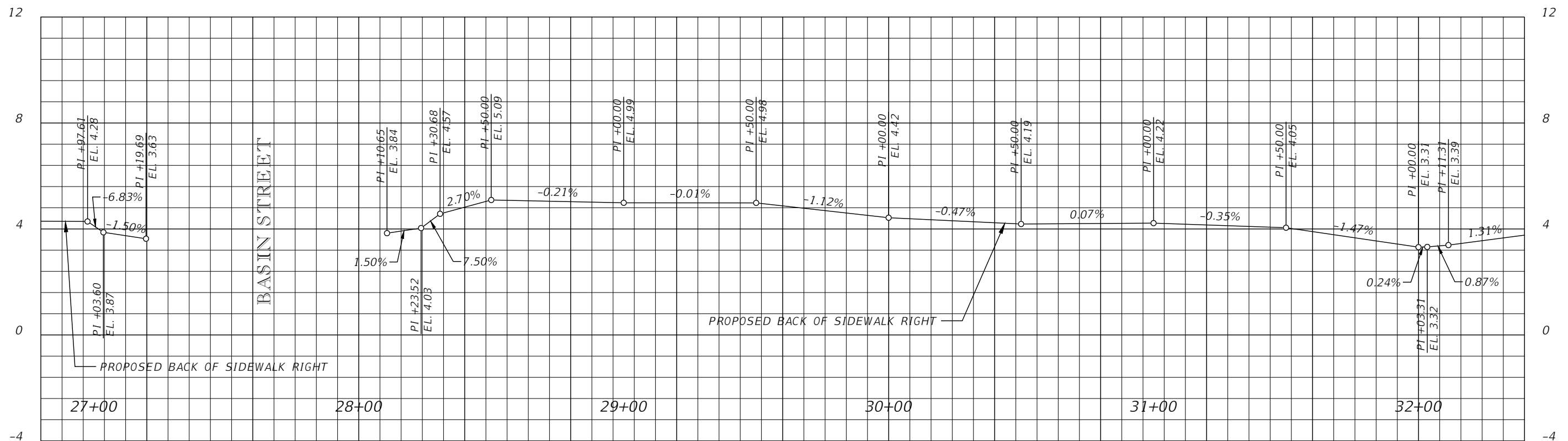
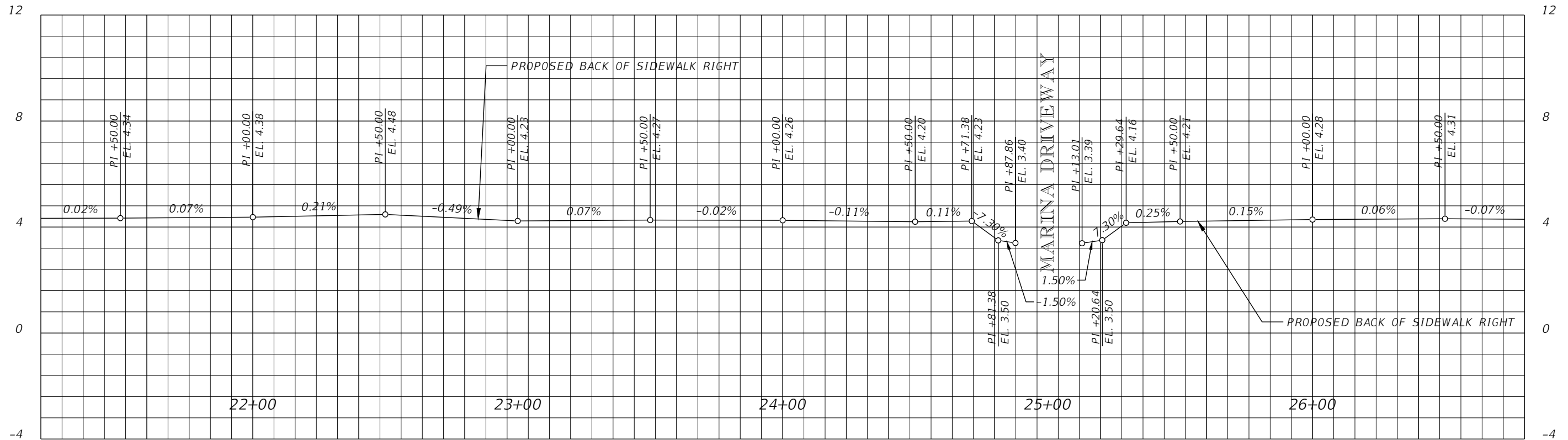


SWEETHEART TRAIL
(BEACH ST BETWEEN
MARINA POINT DR AND ORANGE AVE)

**BACK OF SIDEWALK
PROFILE SHEET**

100% SUBMITTAL

SHEET
NO.
22



SCALE:
1" = 40' HORIZ.
1" = 4' VERT.

REVISIONS	
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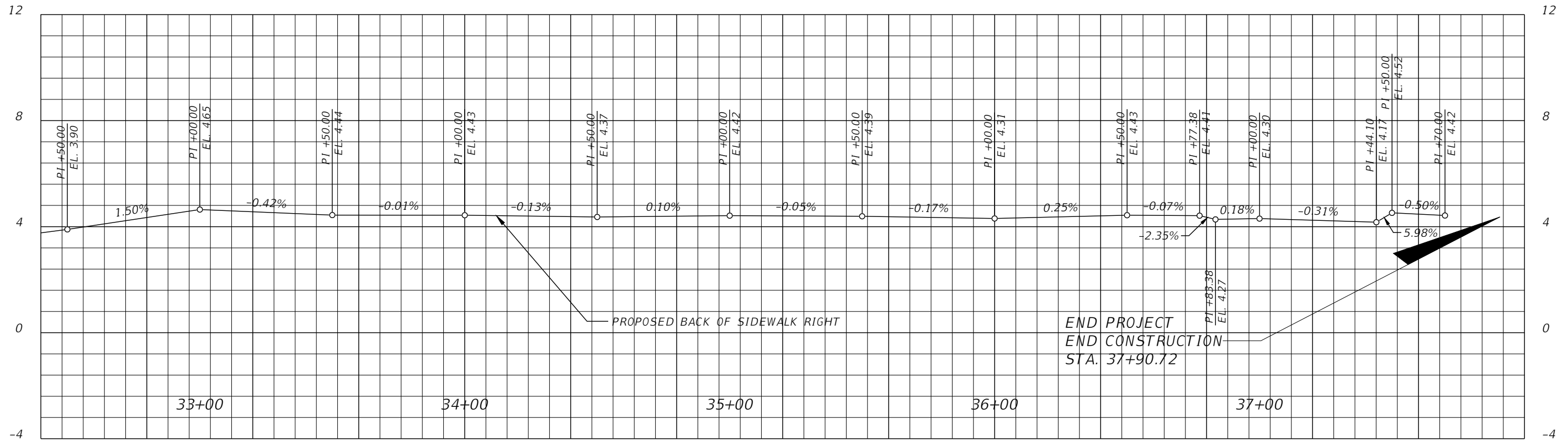


SWEETHEART TRAIL
(BEACH ST BETWEEN
MARINA POINT DR AND ORANGE AVE)

**BACK OF SIDEWALK
PROFILE SHEET**

100% SUBMITTAL

SHEET NO.
23



SCALE:
 1" = 40' HORIZ.
 1" = 4' VERT.

REVISIONS	
DATE	DESCRIPTION



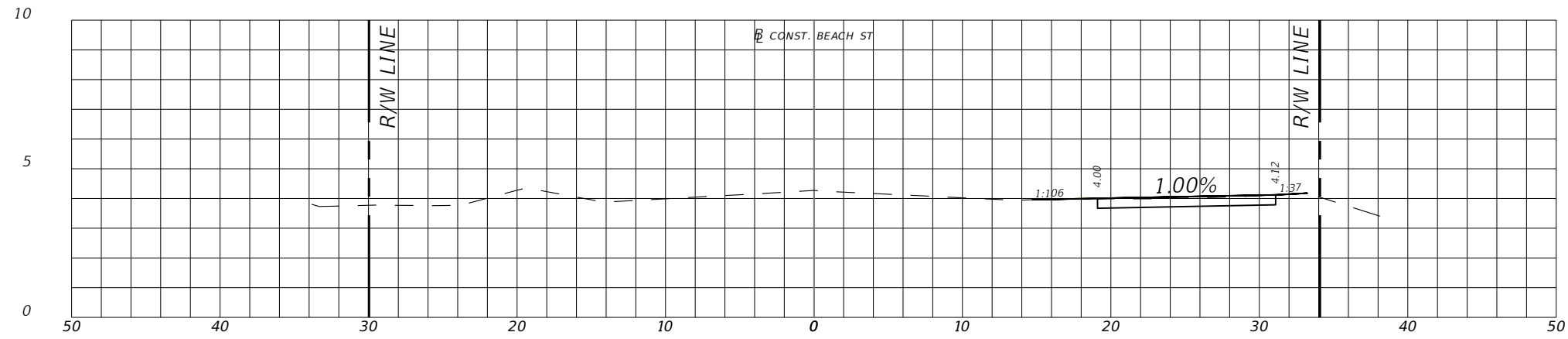
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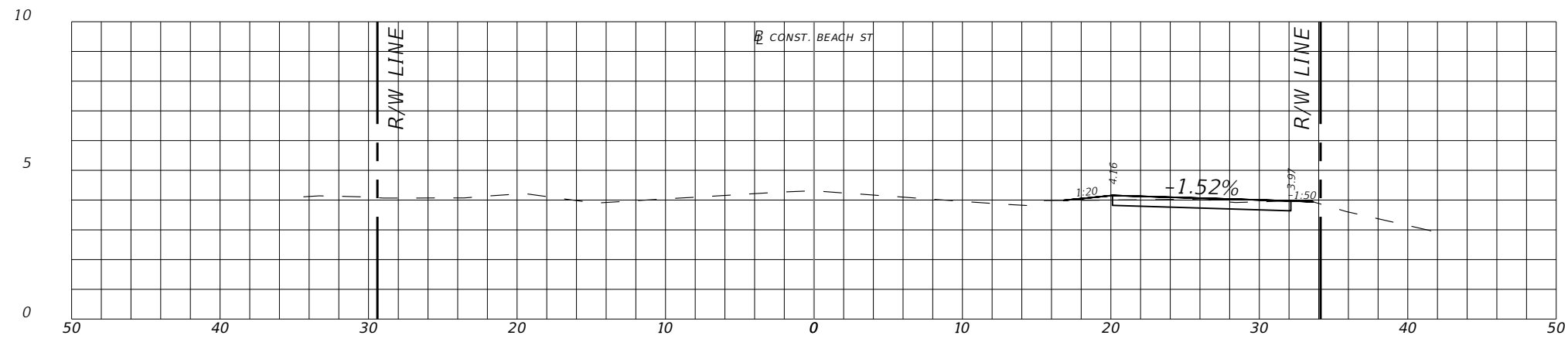
SWEETHEART TRAIL
 (BEACH ST BETWEEN
 MARINA POINT DR AND ORANGE AVE)

**BACK OF SIDEWALK
 PROFILE SHEET**
 100% SUBMITTAL

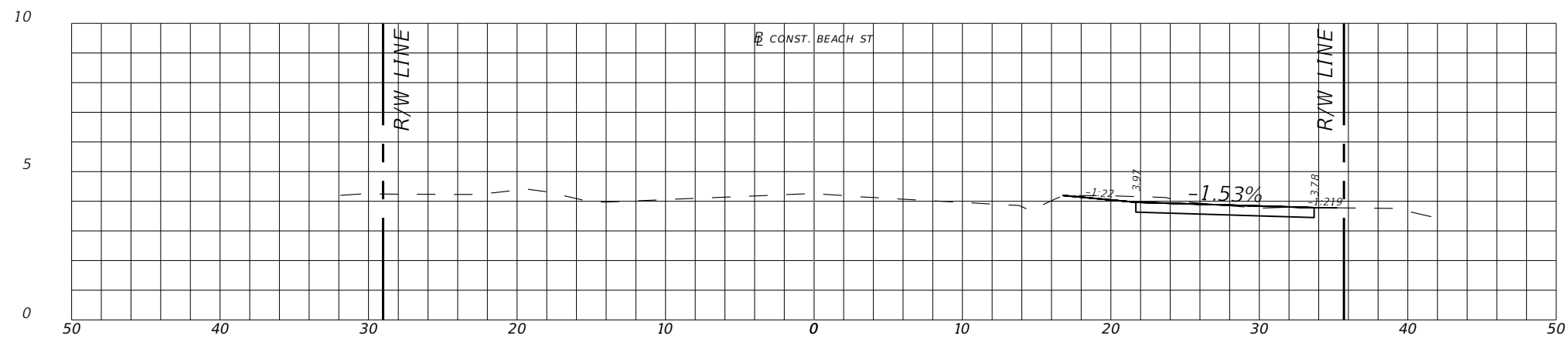
SHEET
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 24



12+00.00



11+50.00



11+15.94

REVISIONS	
DATE	DESCRIPTION



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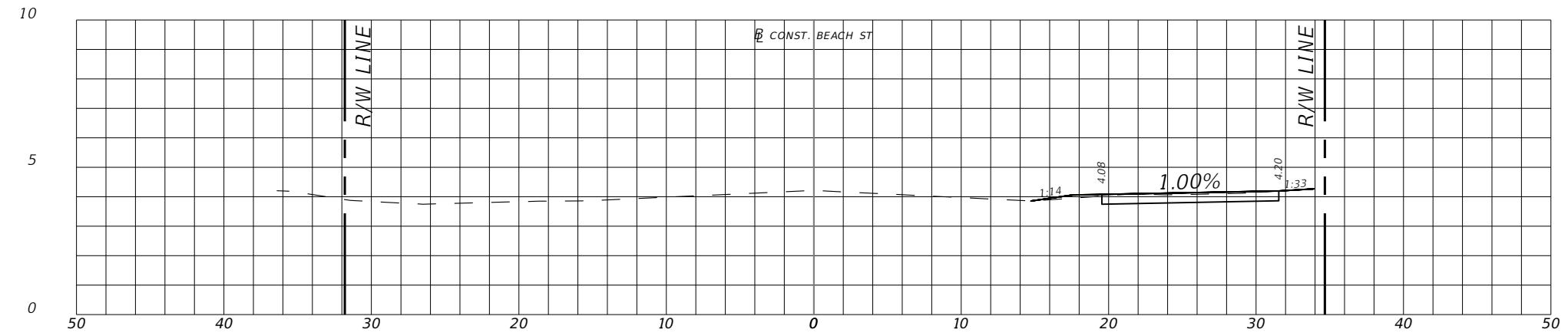
SWEETHEART TRAIL
(BEACH ST BETWEEN
MARINA POINT DR AND ORANGE AVE)

CROSS SECTIONS

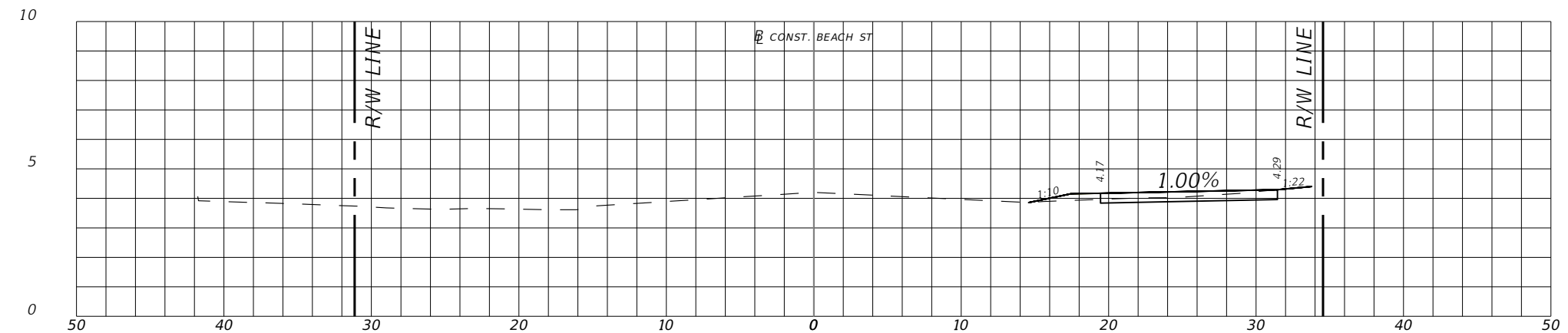
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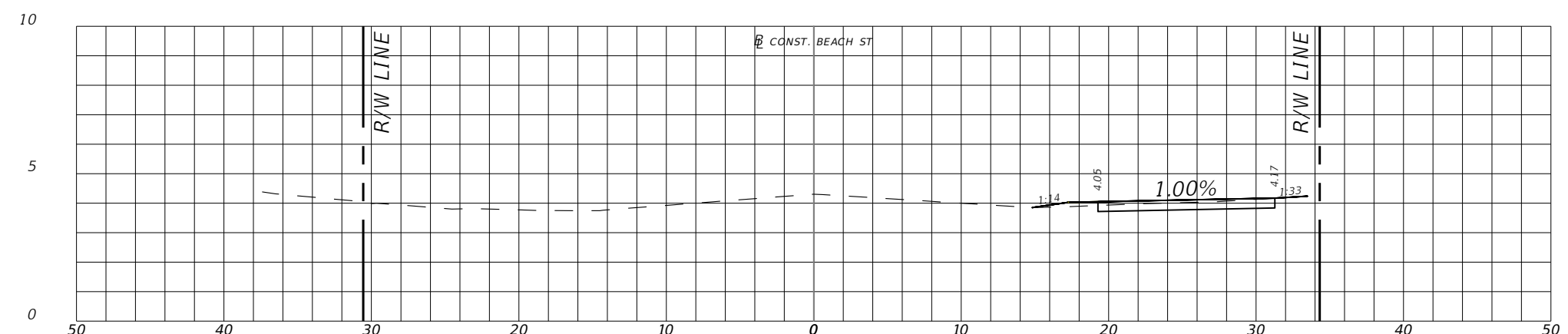
25



13+50.00



13+00.00



12+50.00

REVISIONS	
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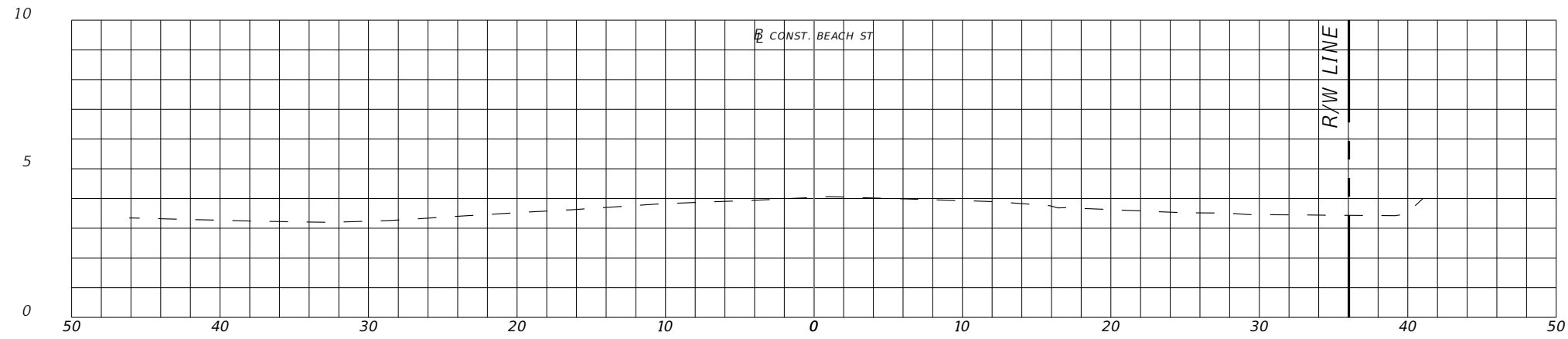


SWEETHEART TRAIL
(BEACH ST BETWEEN
MARINA POINT DR AND ORANGE AVE)

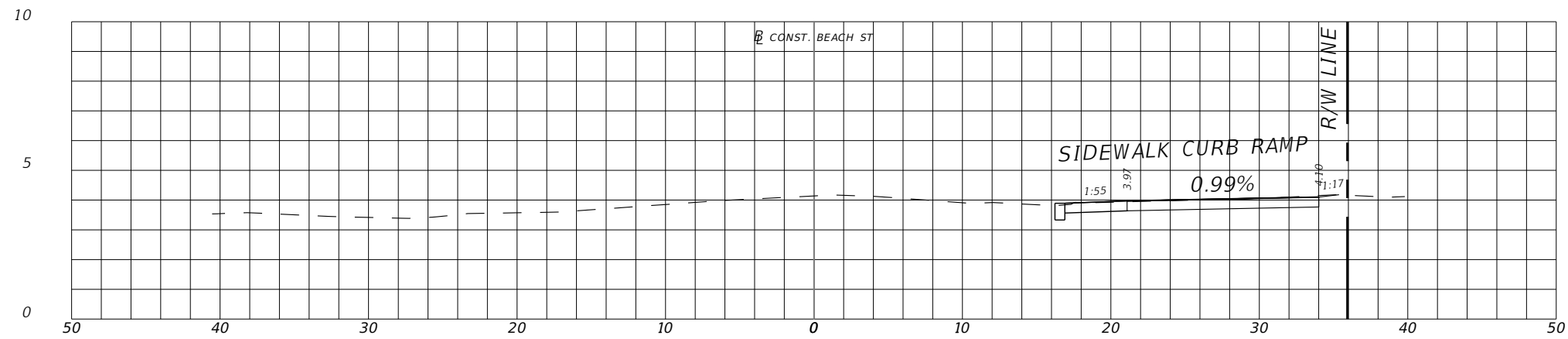
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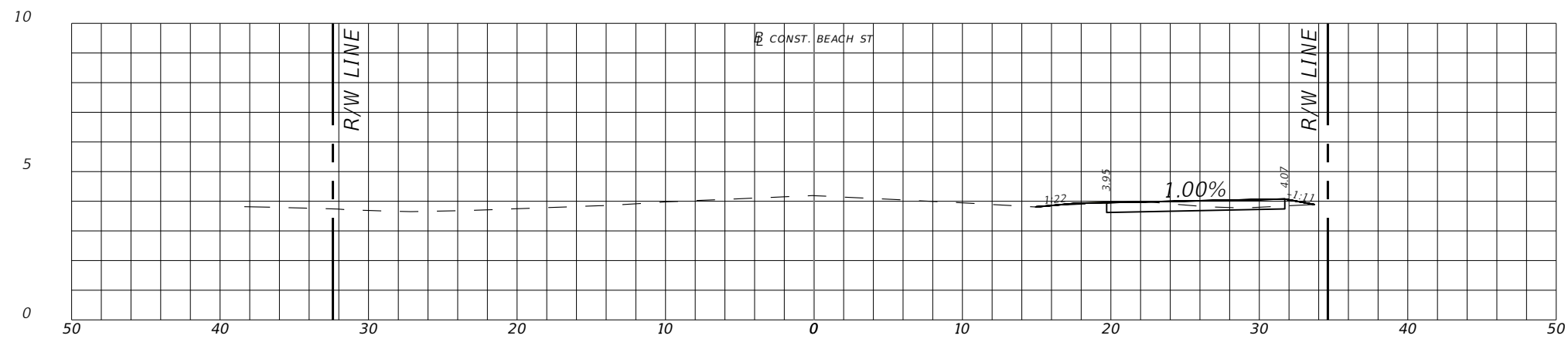
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26



15+00.00



14+50.00



14+00.00

REVISIONS	
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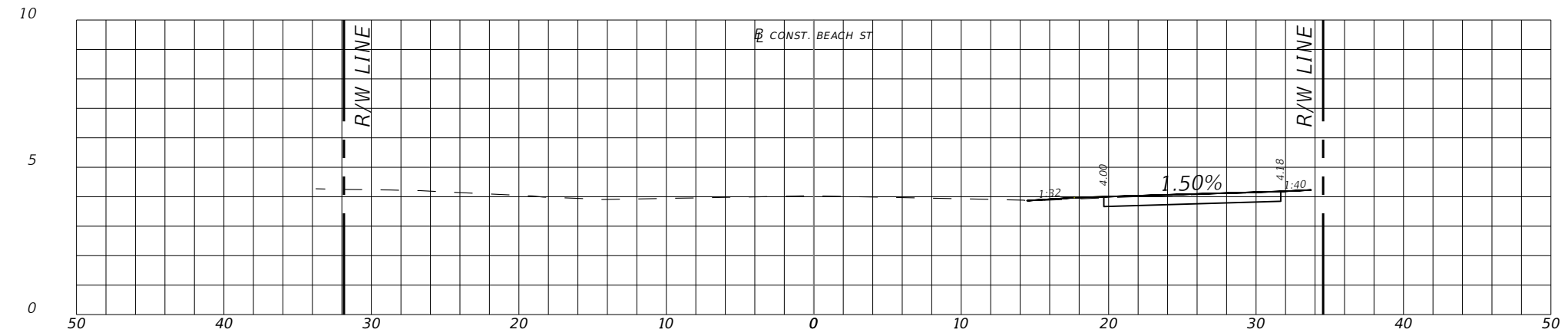
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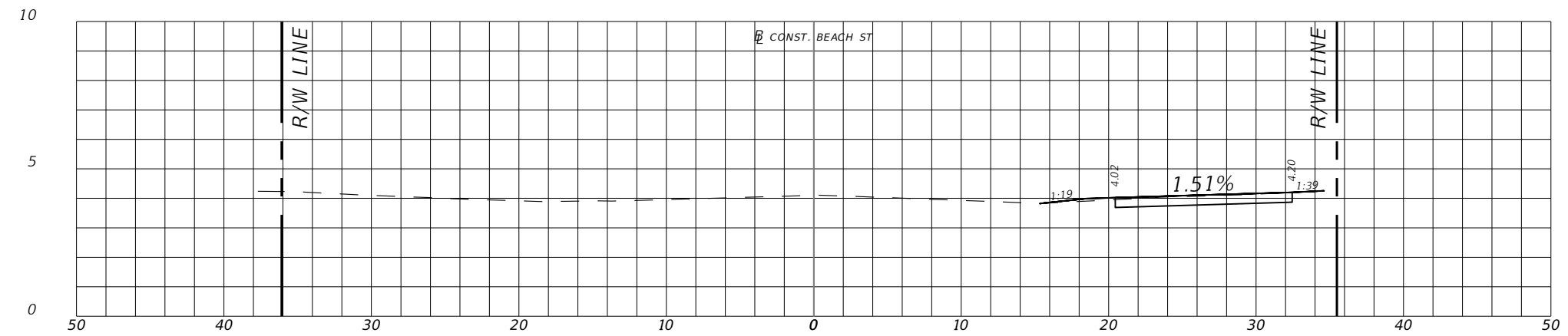
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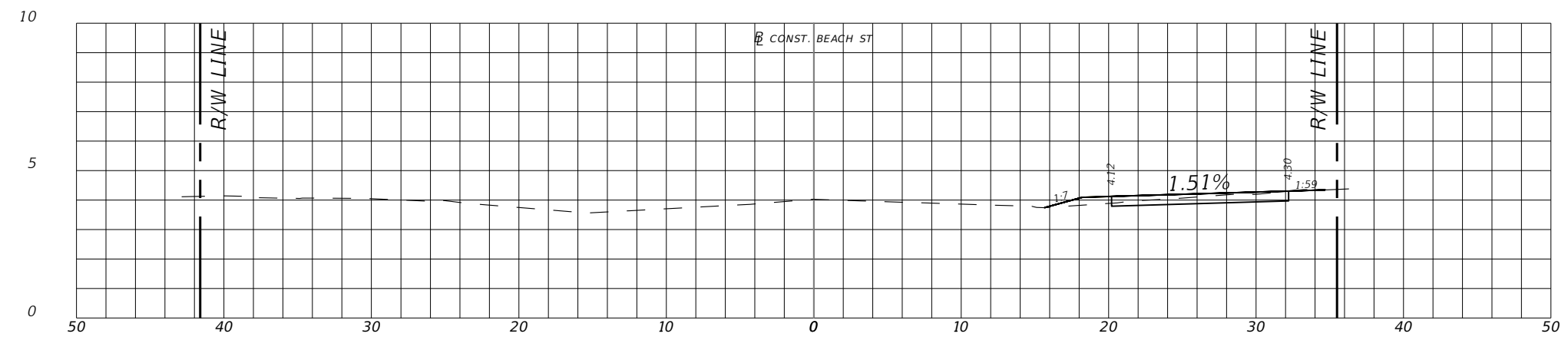
27



16+50.00



16+00.00



15+50.00

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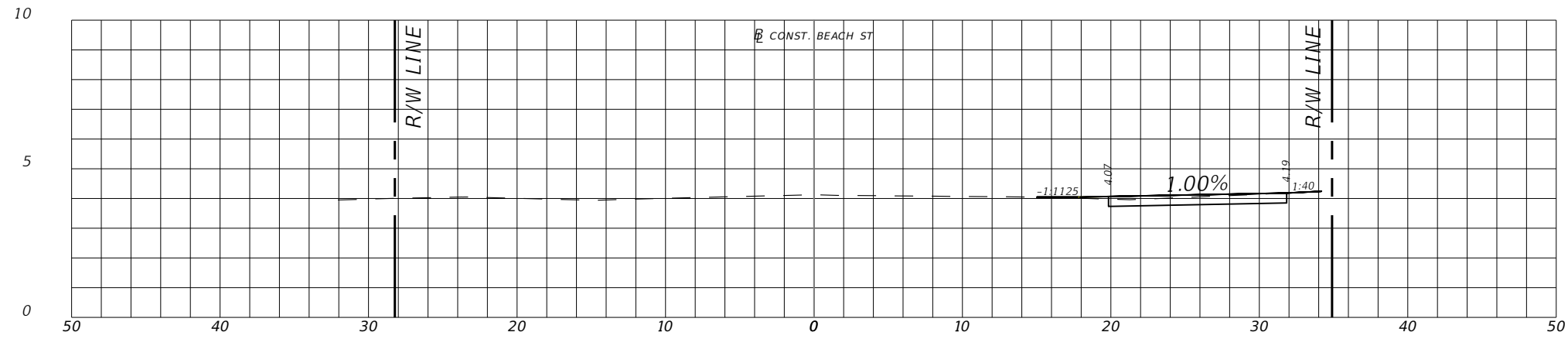
SWEETHEART TRAIL
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CROSS SECTIONS

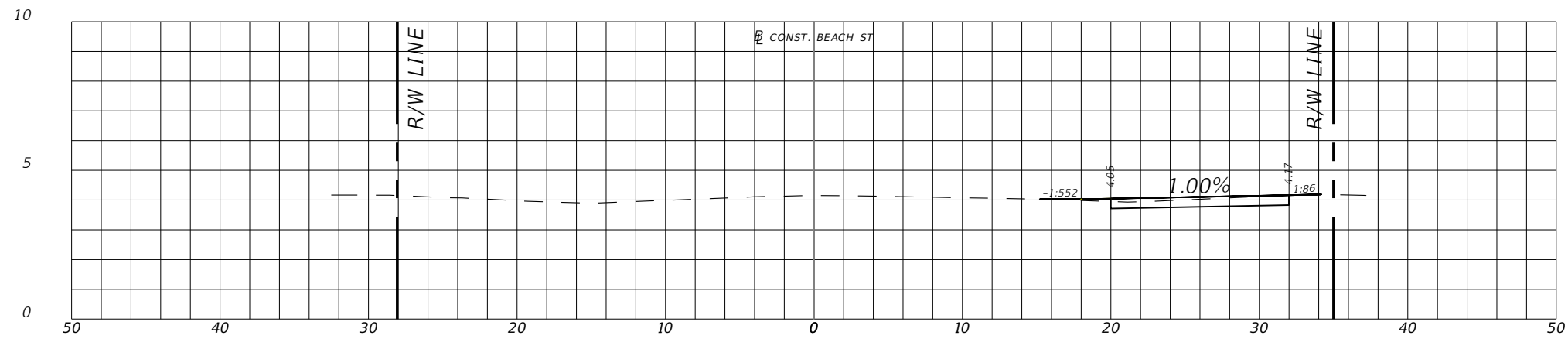
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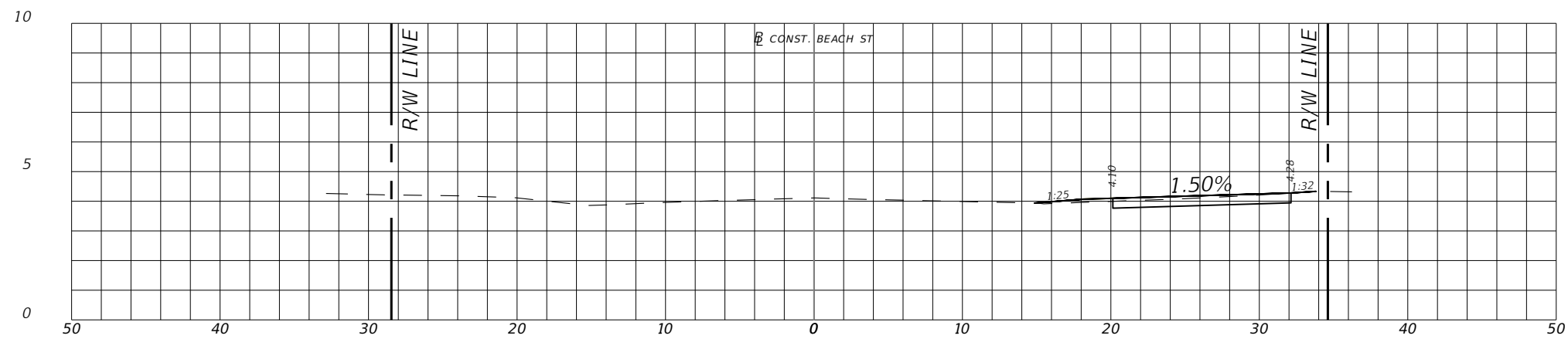
28



18+00.00



17+50.00



17+00.00

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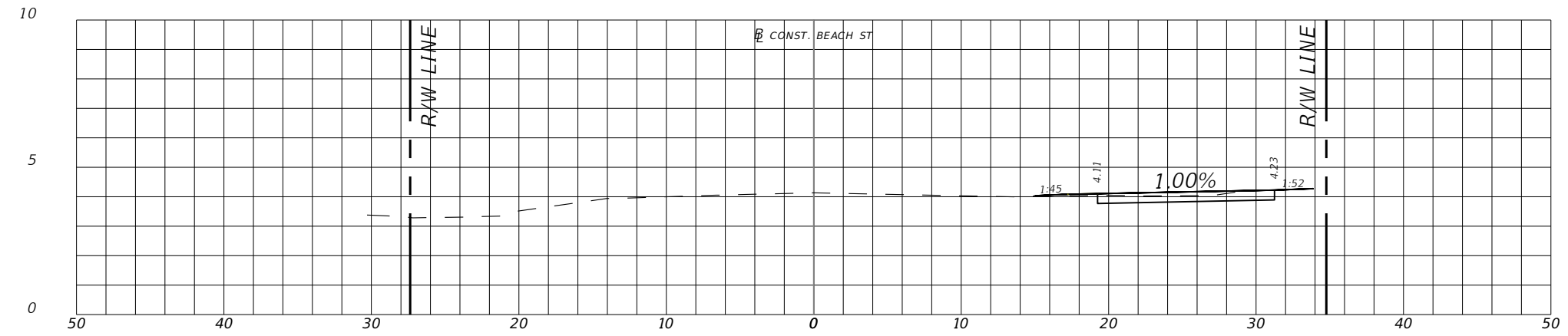
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MARINA POINT DR AND ORANGE AVE)

CROSS SECTIONS

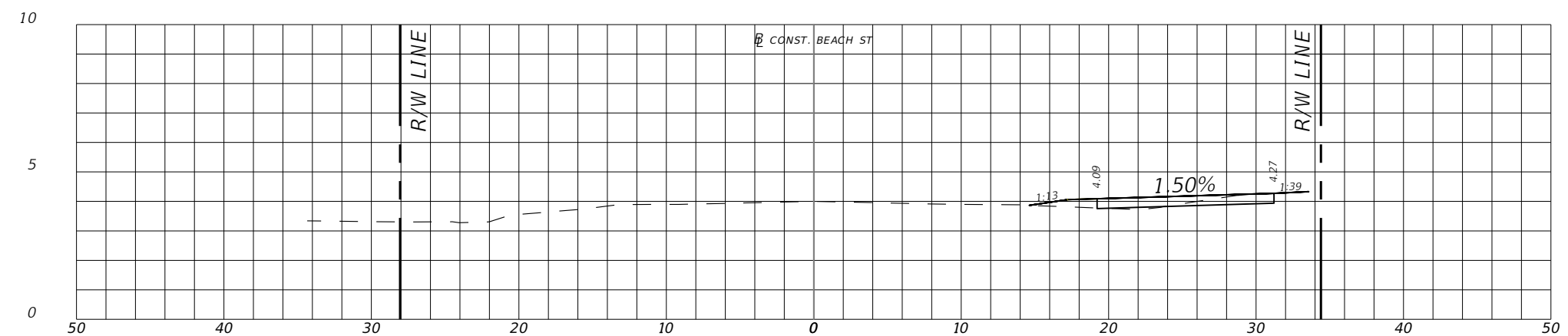
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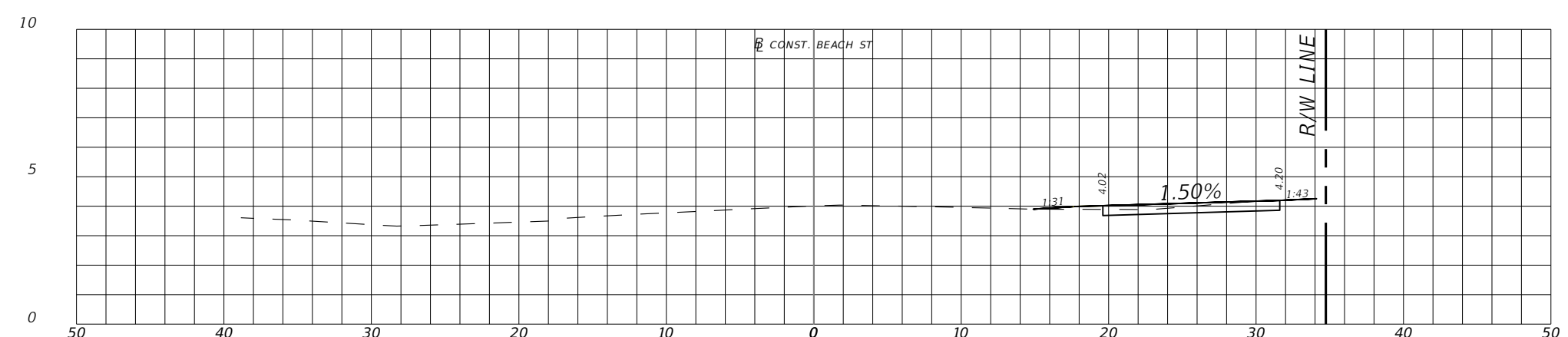
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19+50.00



19+00.00



18+50.00

REVISIONS	
DATE	DESCRIPTION



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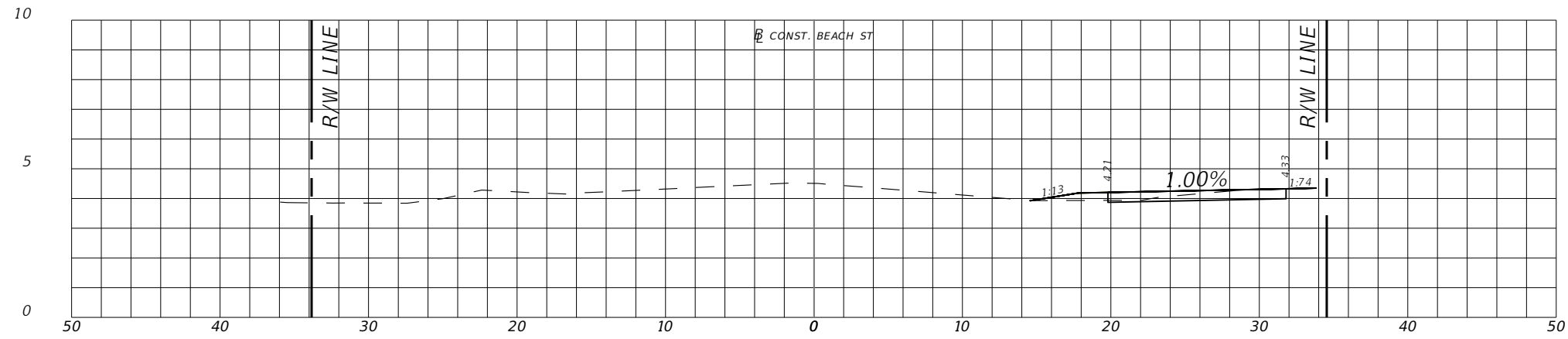
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SWEETHEART TRAIL
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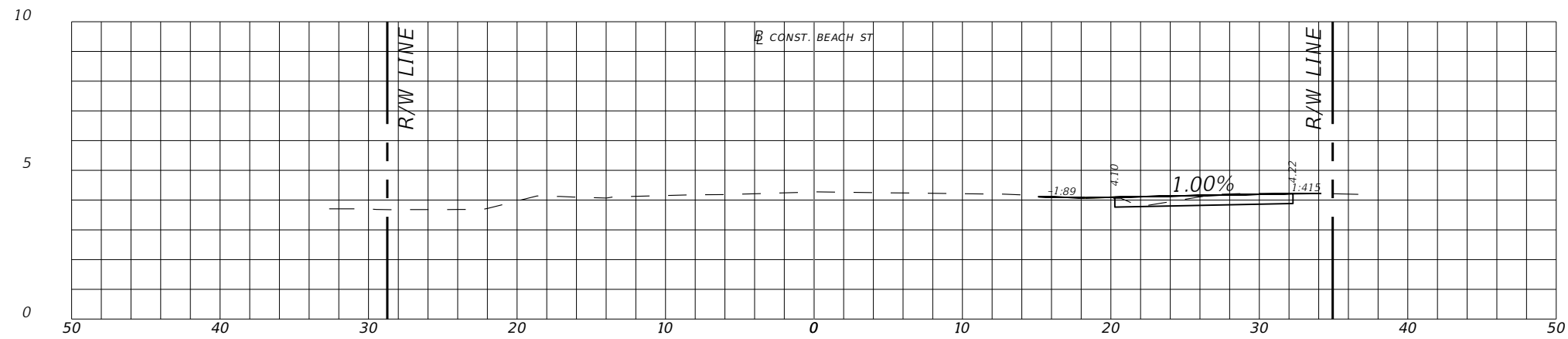
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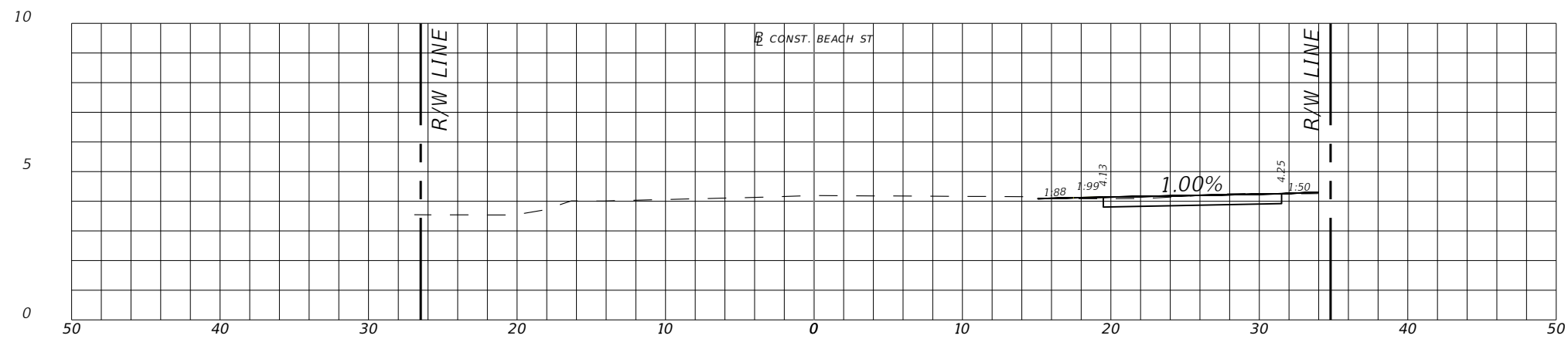
SHEET NO.
30



21+00.00



20+50.00



20+00.00

REVISIONS	
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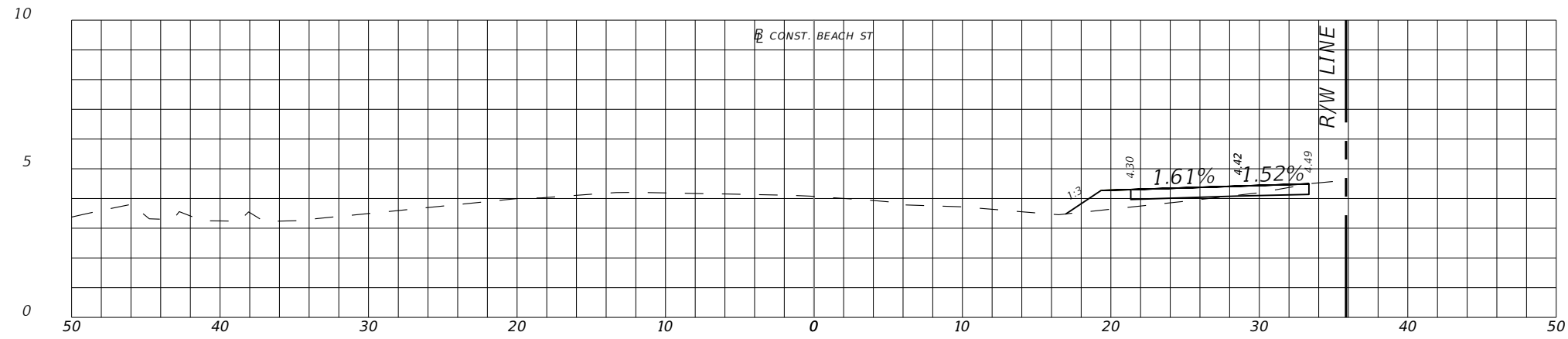
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MARINA POINT DR AND ORANGE AVE)

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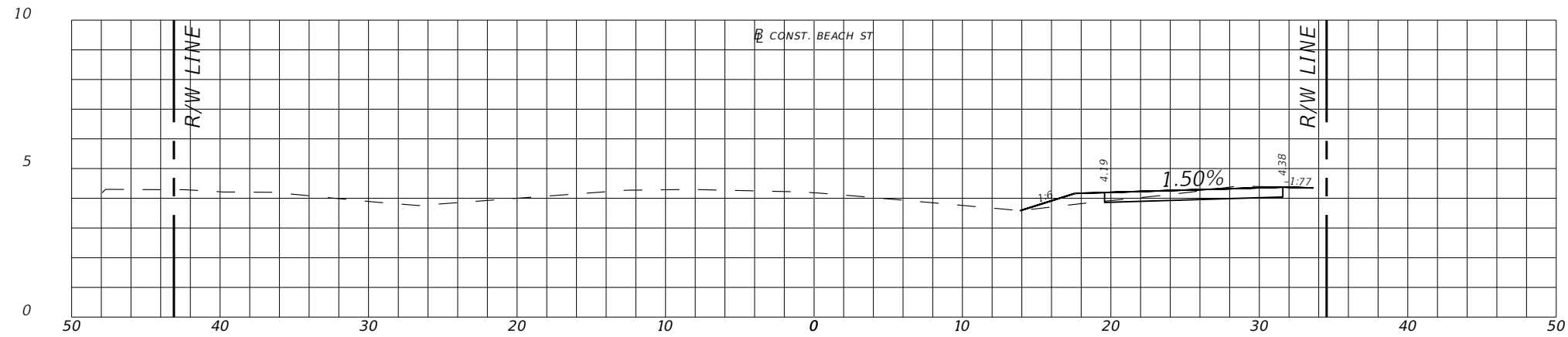
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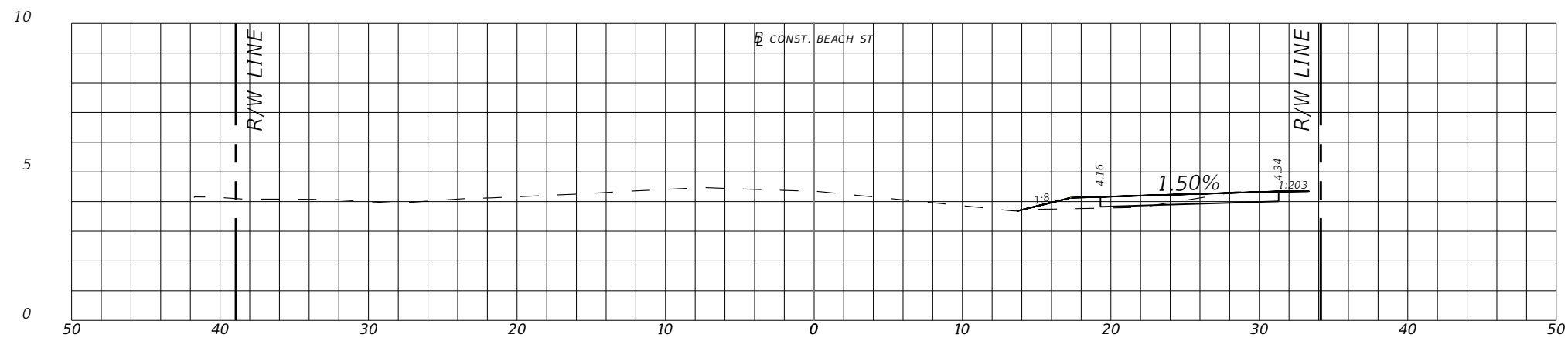
31



22+50.00



22+00.00



21+50.00

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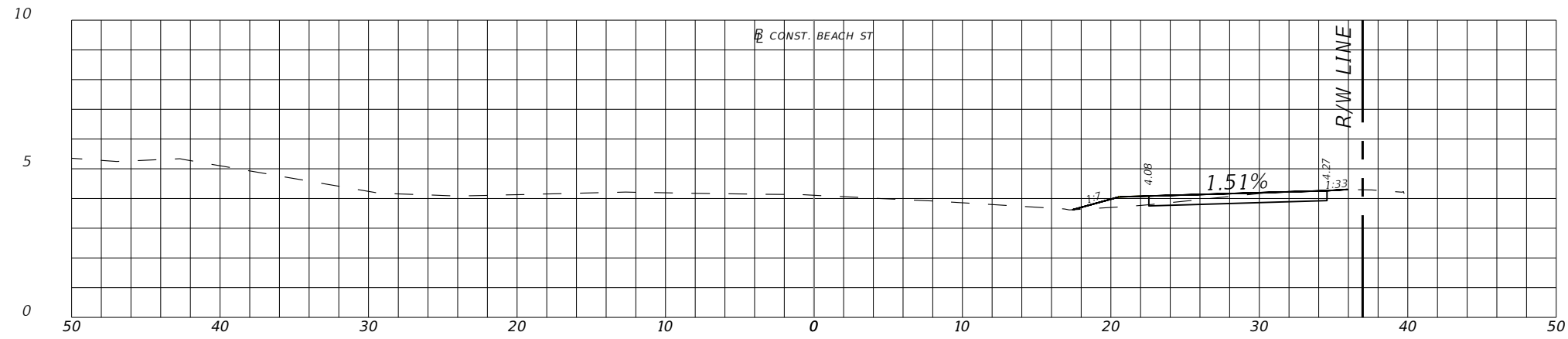
SWEETHEART TRAIL
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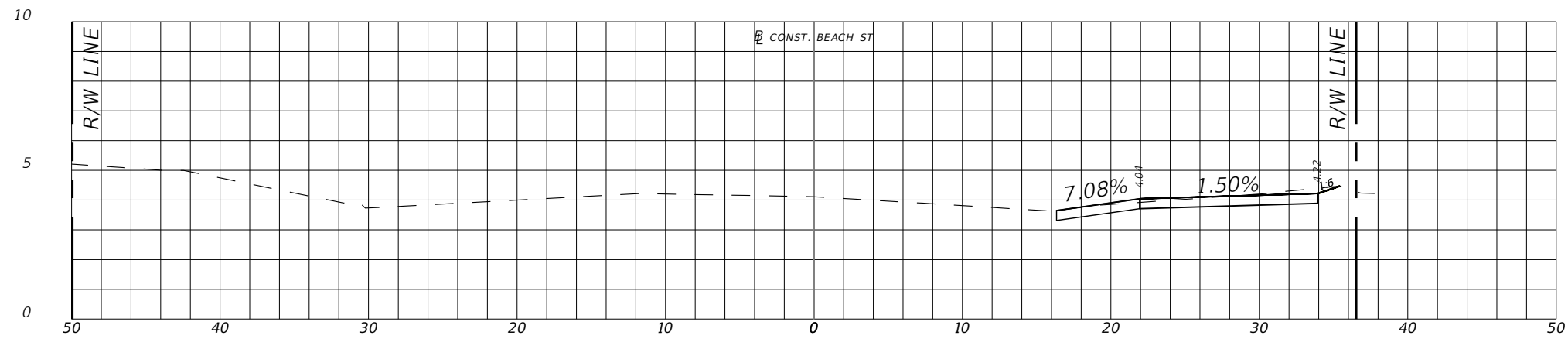
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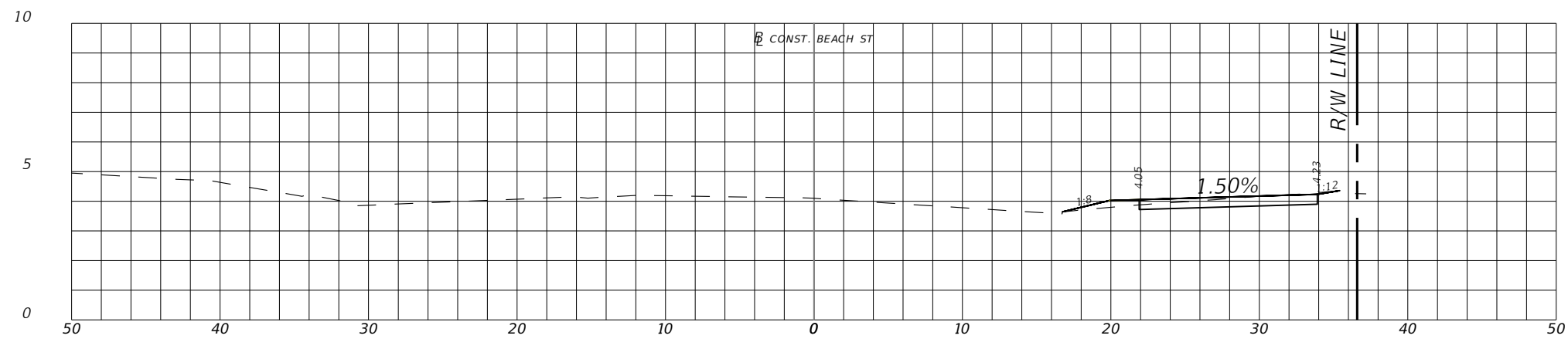
32



23+50.00



23+10.00



23+00.00

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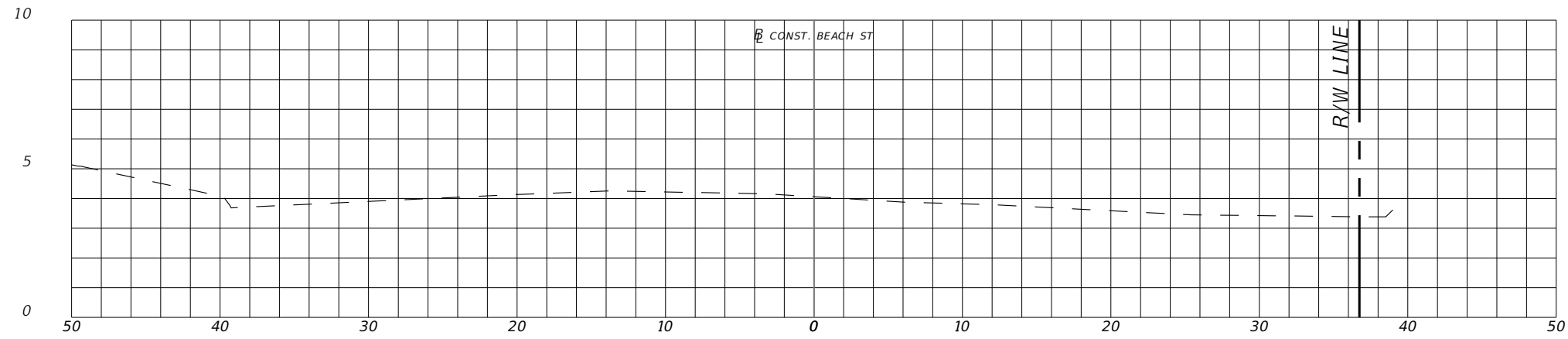
SWEETHEART TRAIL
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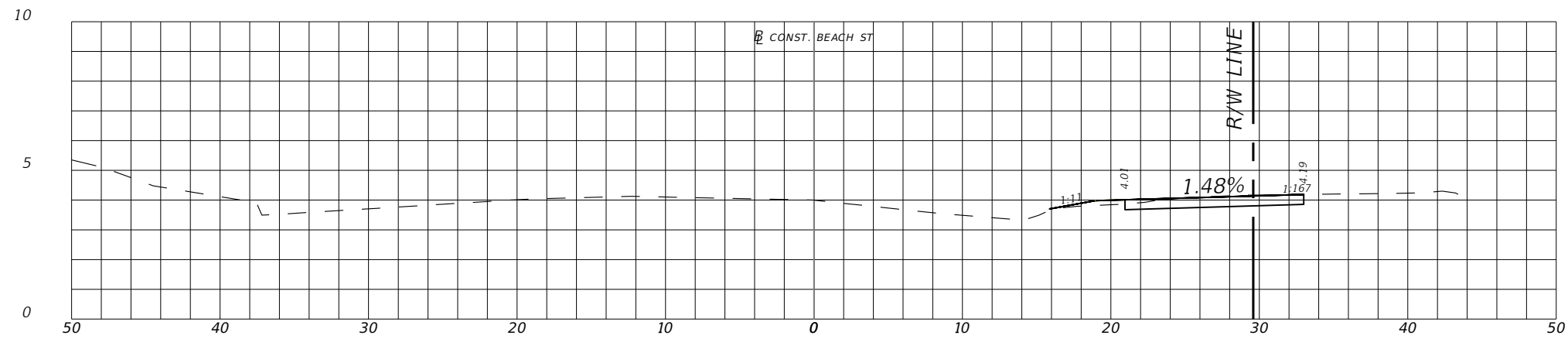
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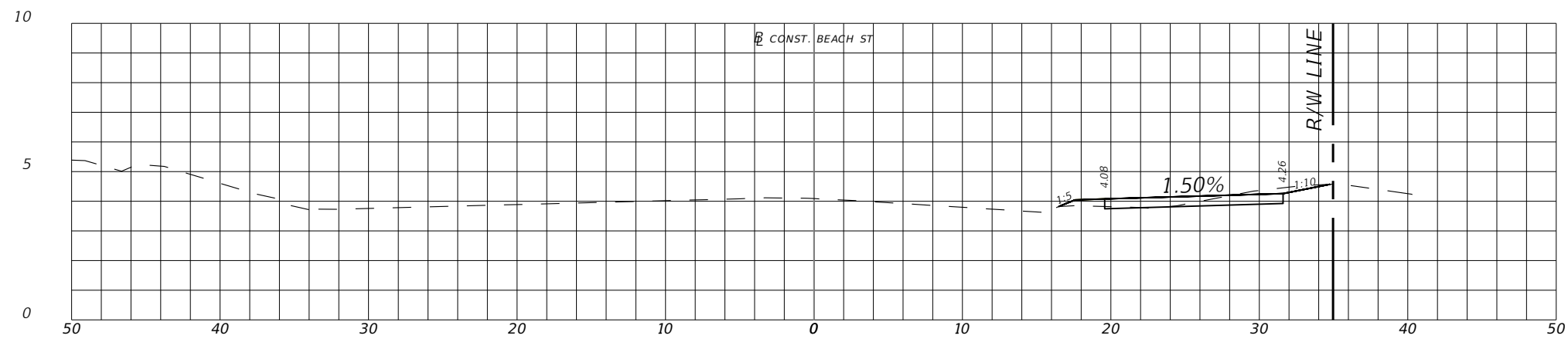
33



25+00.00



24+50.00



24+00.00

REVISIONS	
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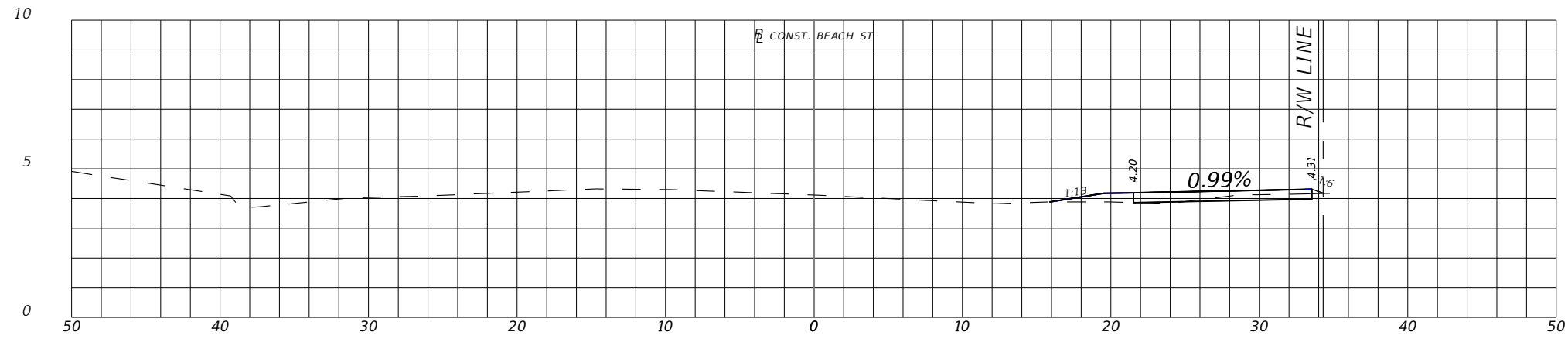
SWEETHEART TRAIL
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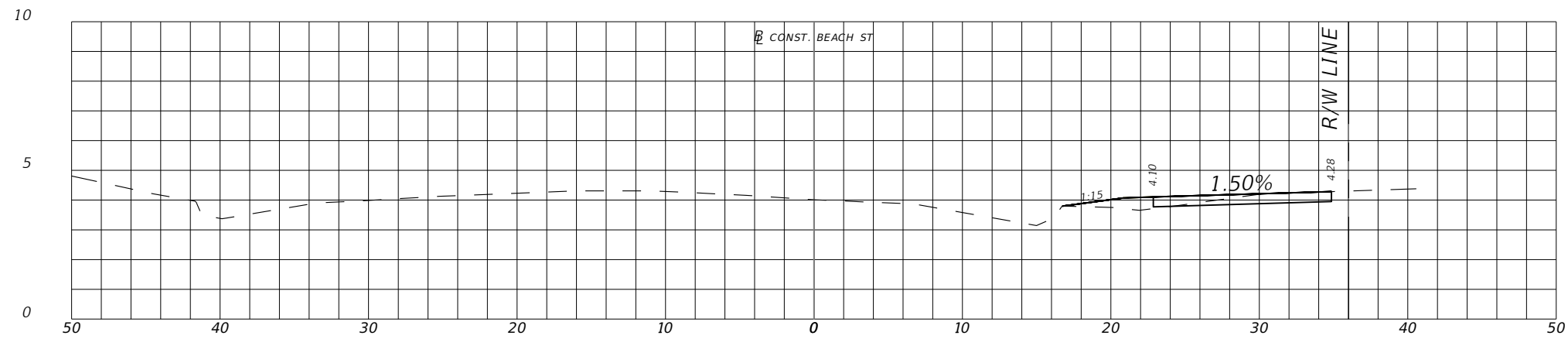
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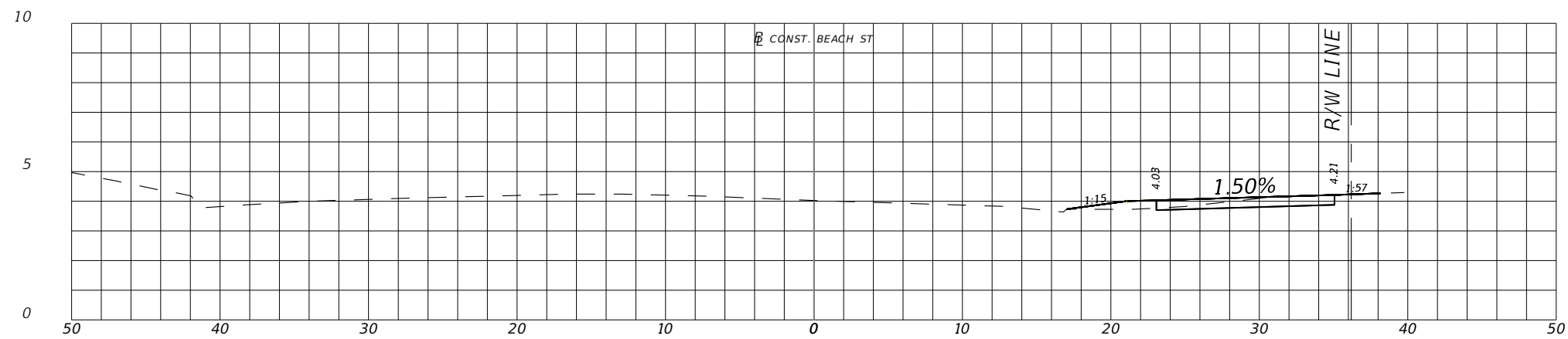
34



26+50.00



26+00.00



25+50.00

REVISIONS	
DATE	DESCRIPTION



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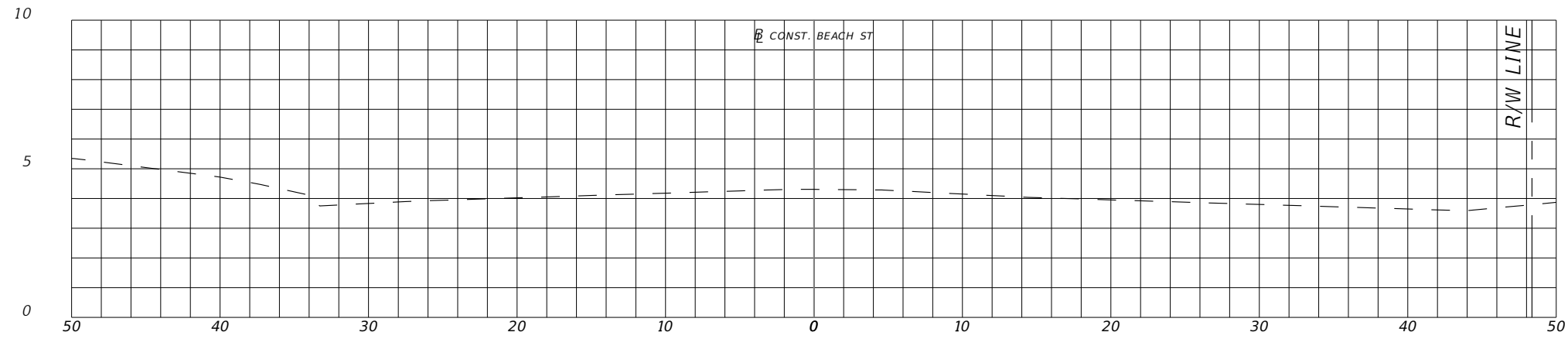
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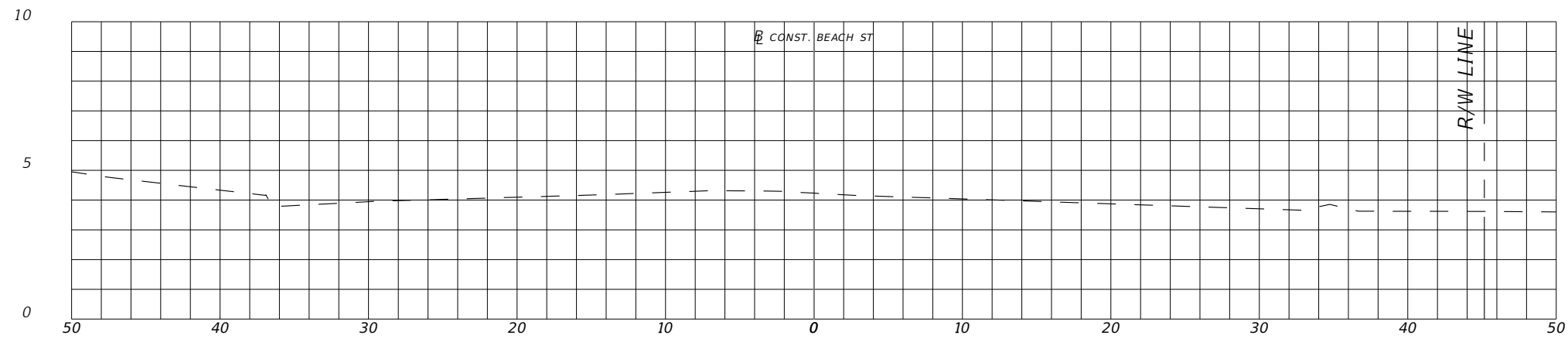
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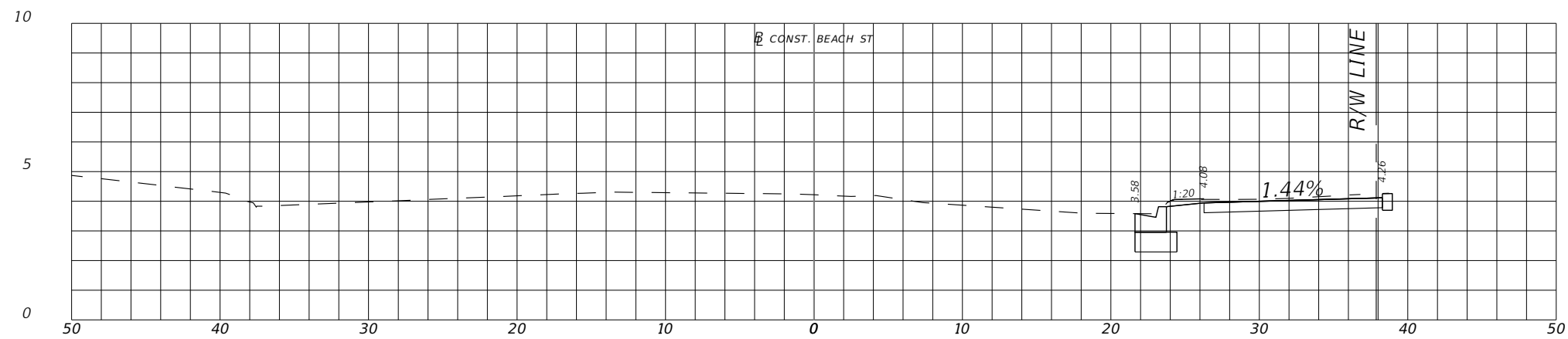
35



28+00.00



27+50.00



27+00.00

REVISIONS	
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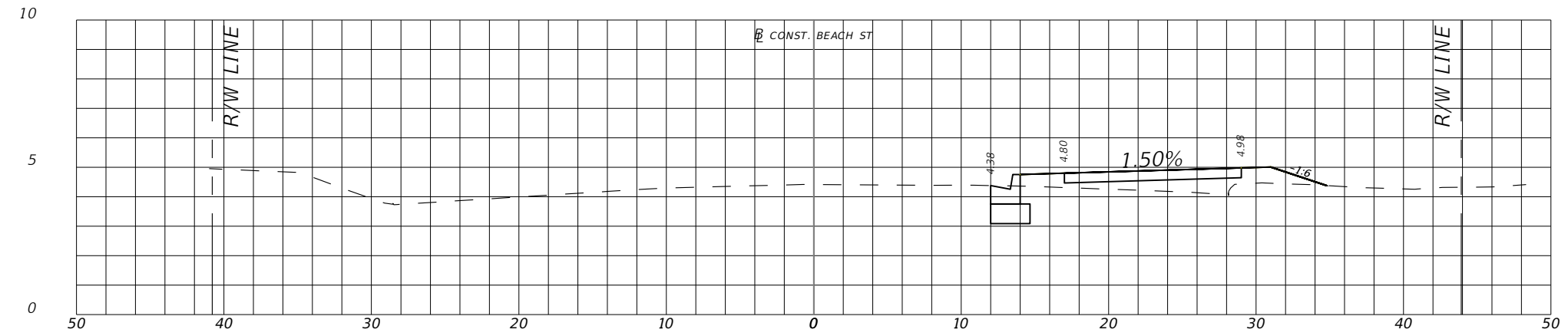
SWEETHEART TRAIL
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CROSS SECTIONS

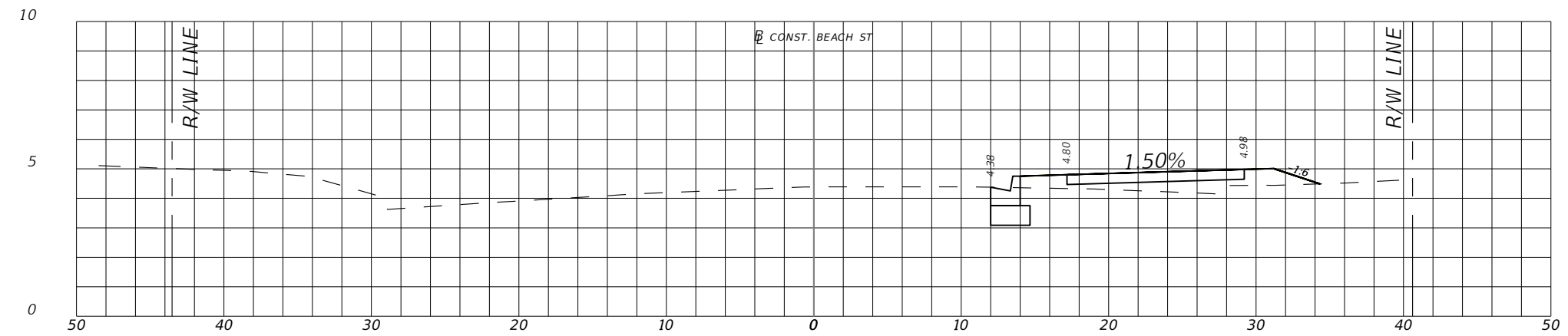
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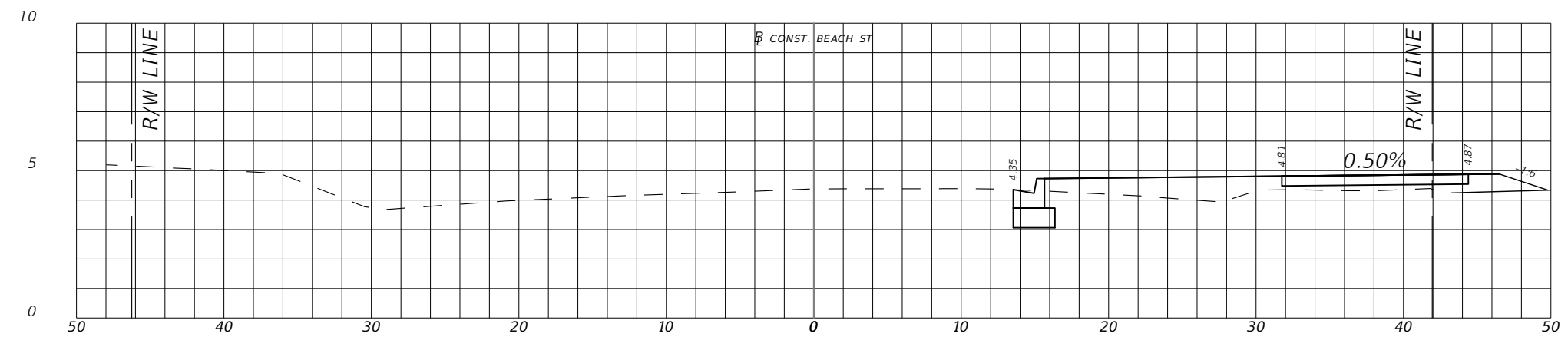
36



29+50.00



29+00.00



28+50.00

REVISIONS	
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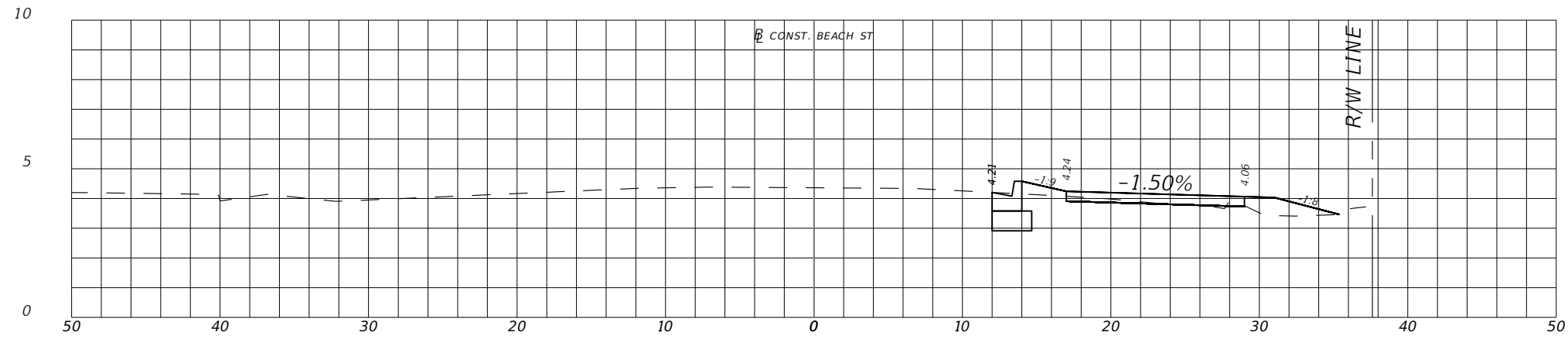
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CROSS SECTIONS

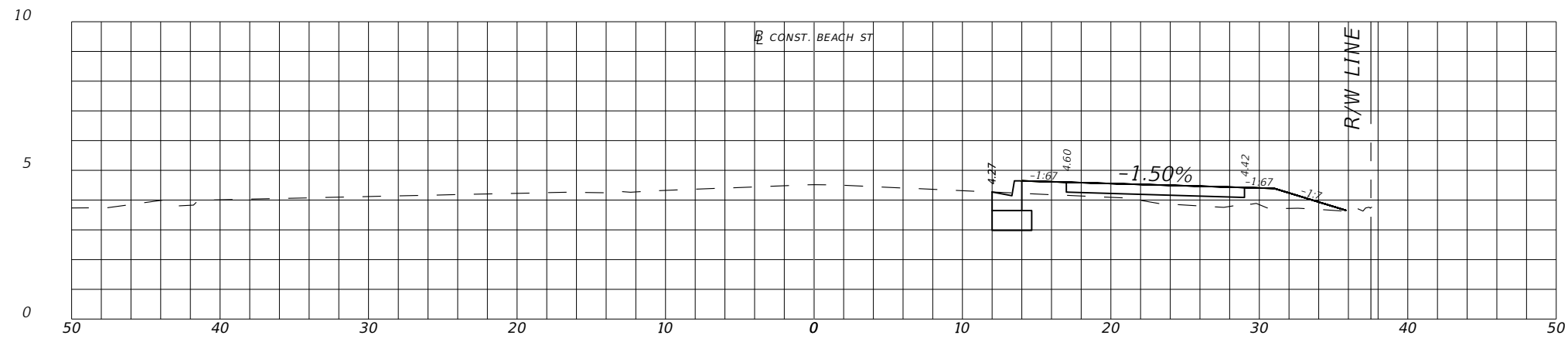
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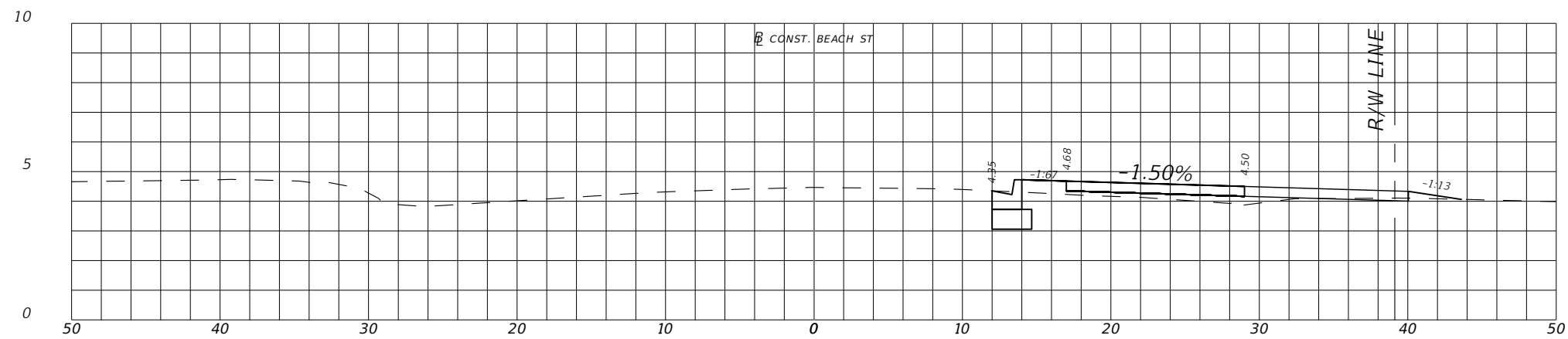
37



30+50.00



30+00.00



29+75.00

REVISIONS	
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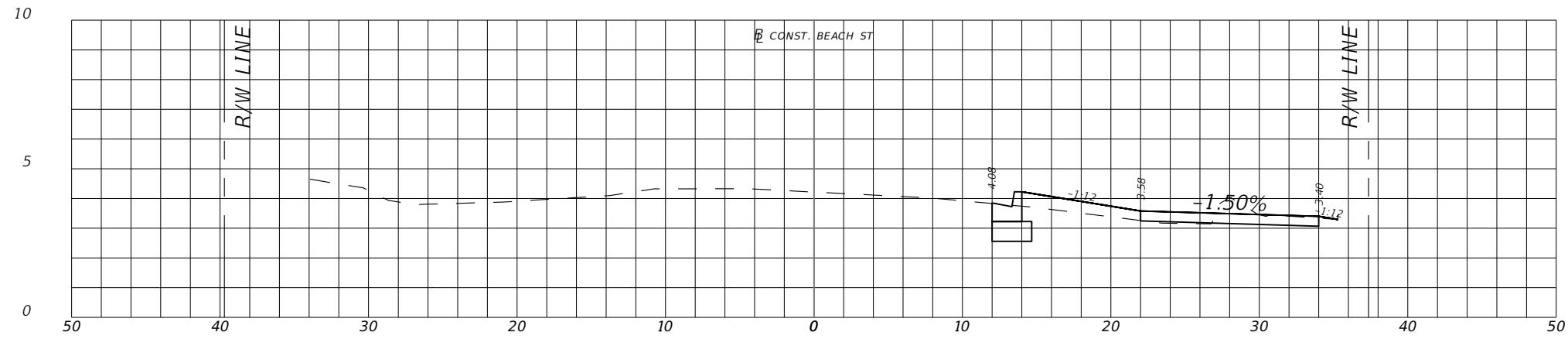
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CROSS SECTIONS

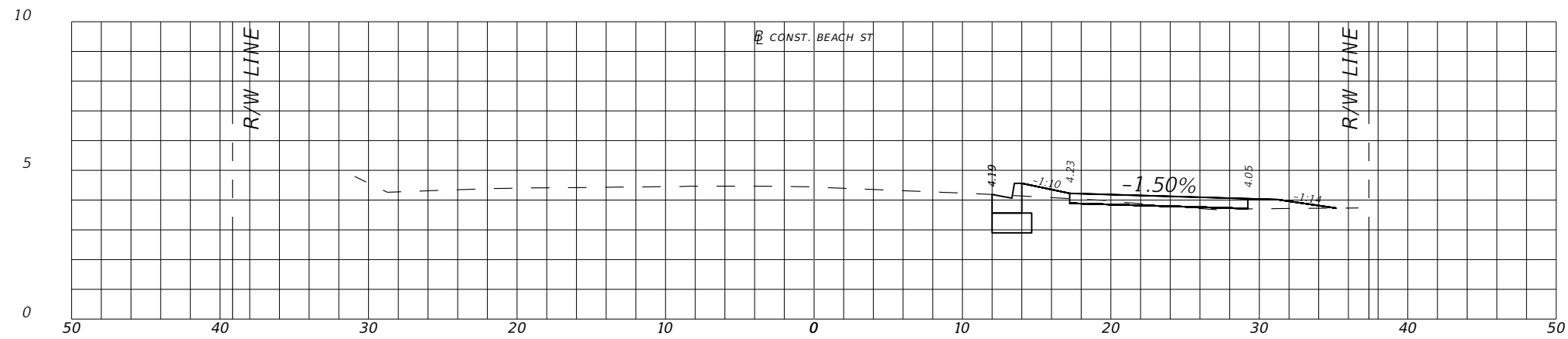
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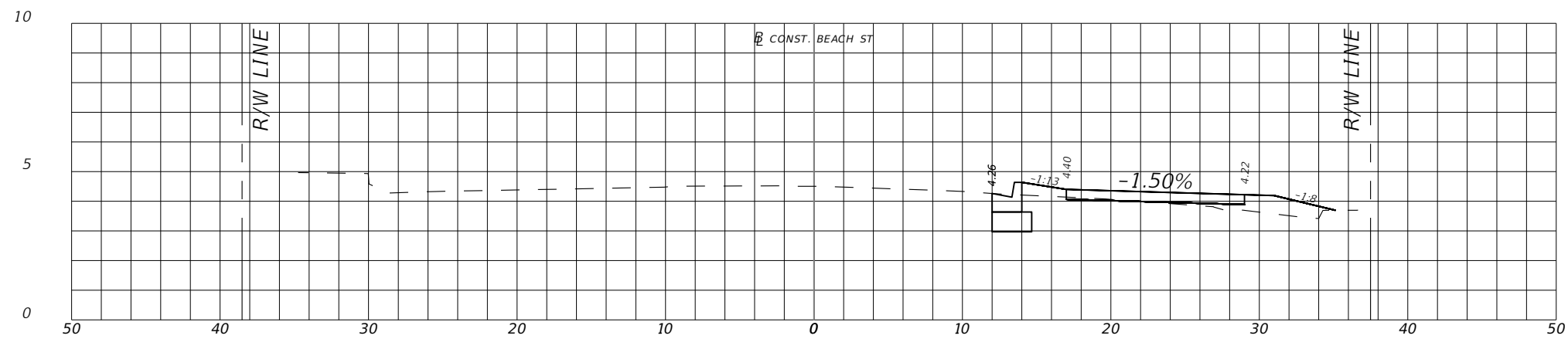
38



32+00.00



31+50.00



31+00.00

REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
313 DATURA STREET, SUITE 100
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



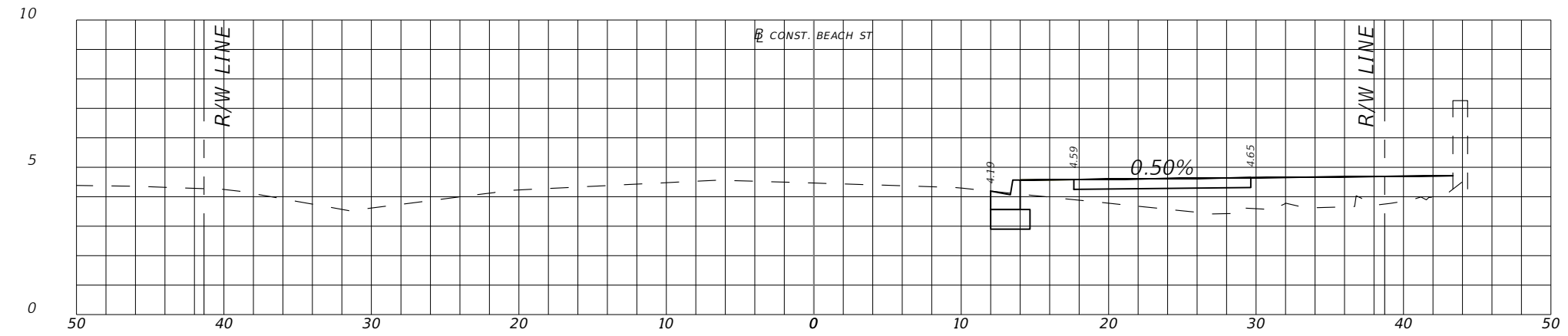
SWEETHEART TRAIL
(BEACH ST BETWEEN
MARINA POINT DR AND ORANGE AVE)

CROSS SECTIONS

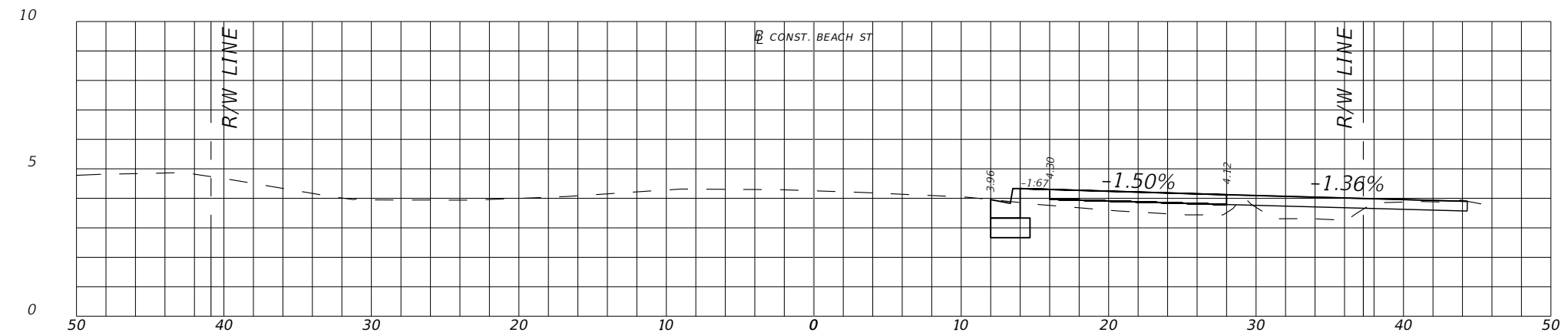
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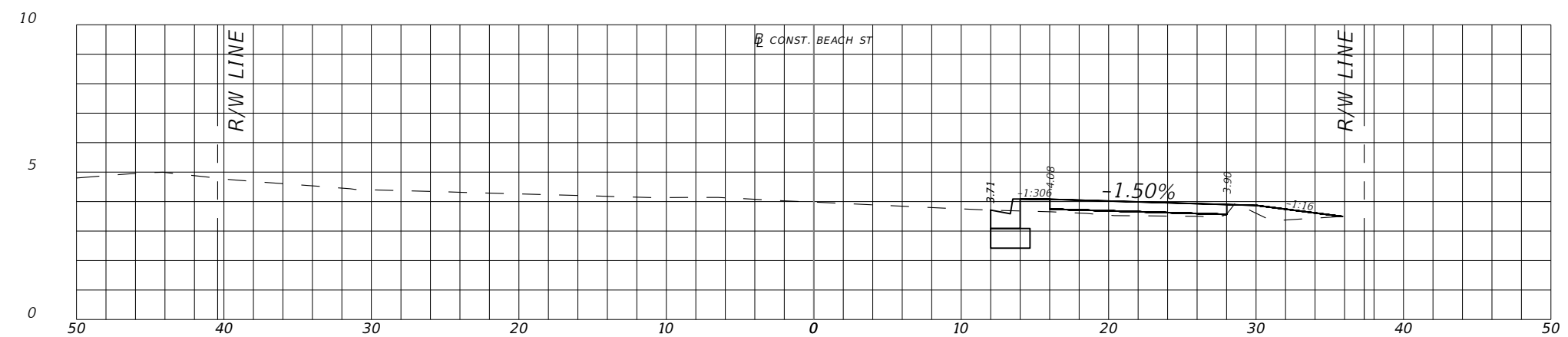
39



33+00.00



32+75.00



32+50.00

REVISIONS	
DATE	DESCRIPTION



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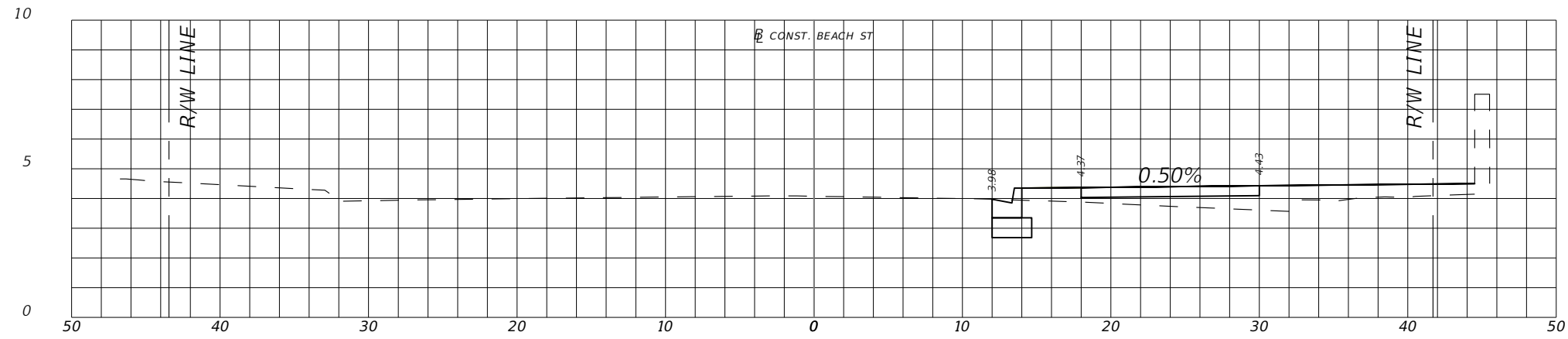
SWEETHEART TRAIL
(BEACH ST BETWEEN
MARINA POINT DR AND ORANGE AVE)

CROSS SECTIONS

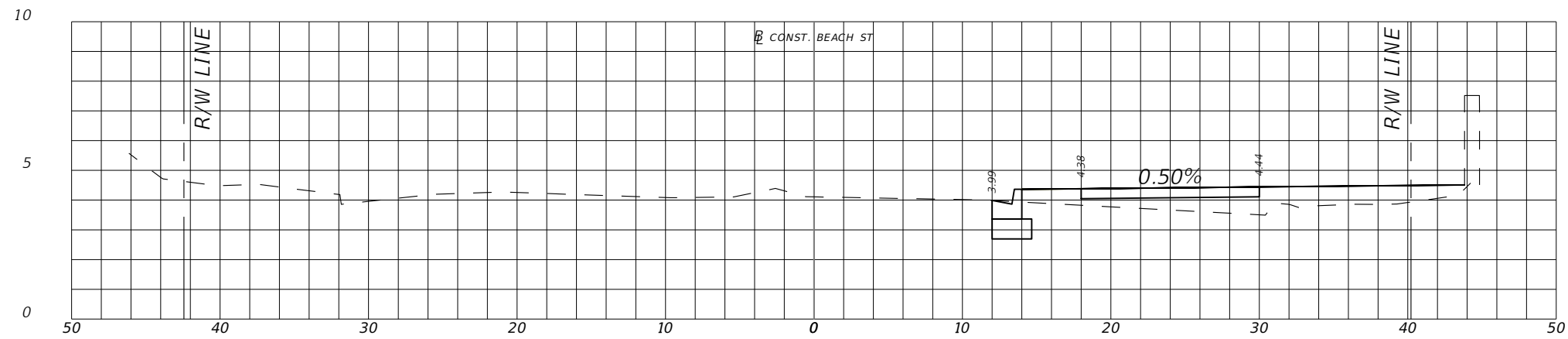
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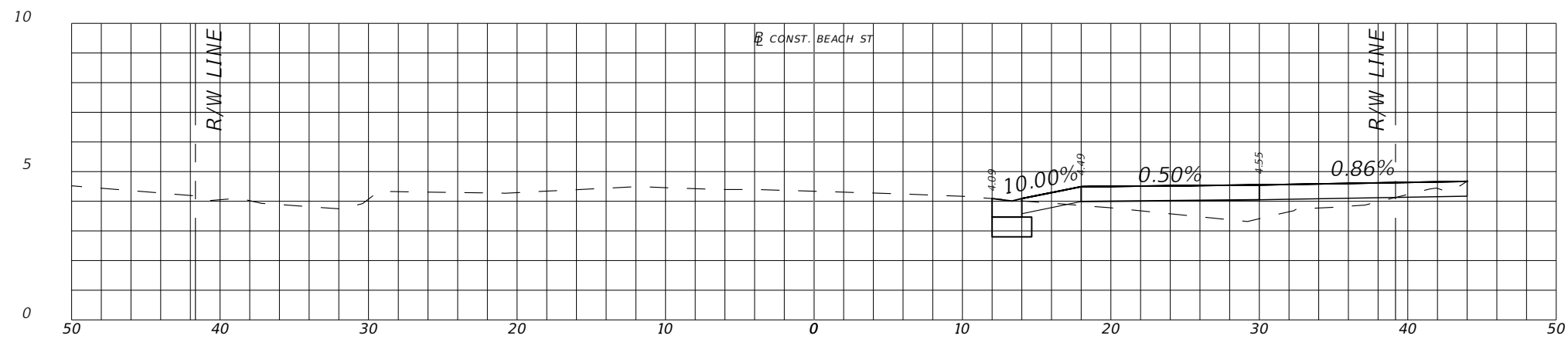
40



34+00.00



33+50.00



33+15.00

REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
alta
ALTA PLANNING + DESIGN
313 DATURA STREET, SUITE 100
WEST PALM BEACH, FL 33401
www.altaplanning.com
CERTIFICATE OF AUTHORIZATION 31108

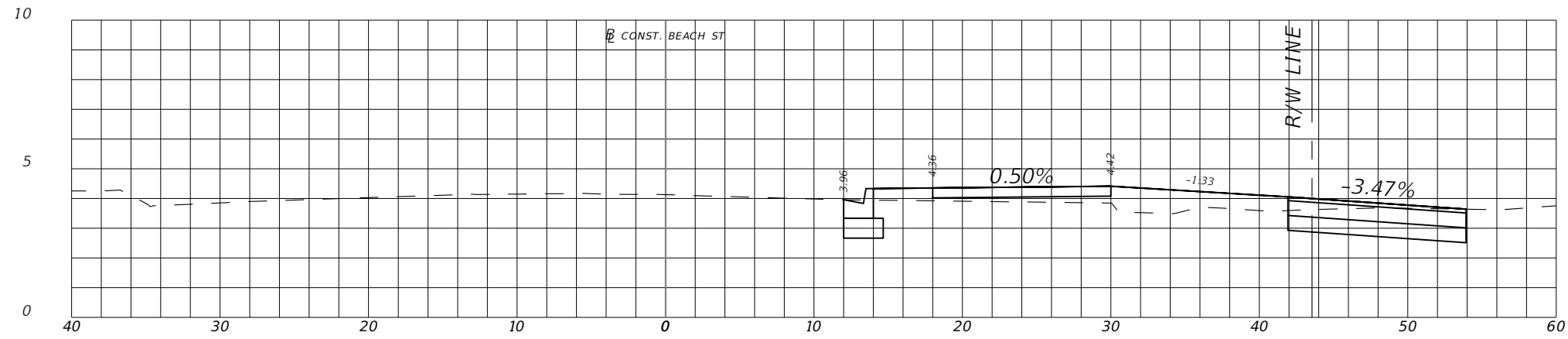
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(BEACH ST BETWEEN
MARINA POINT DR AND ORANGE AVE)

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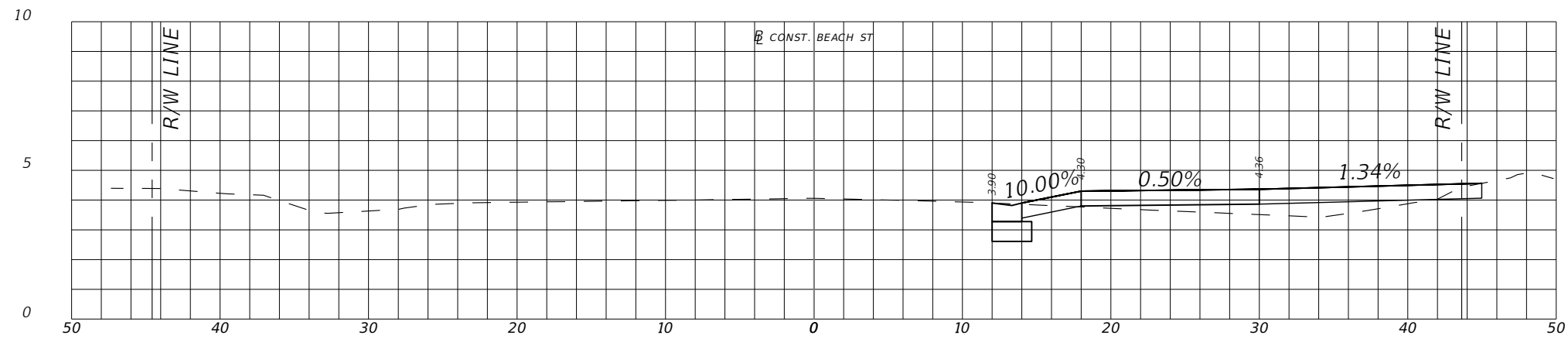
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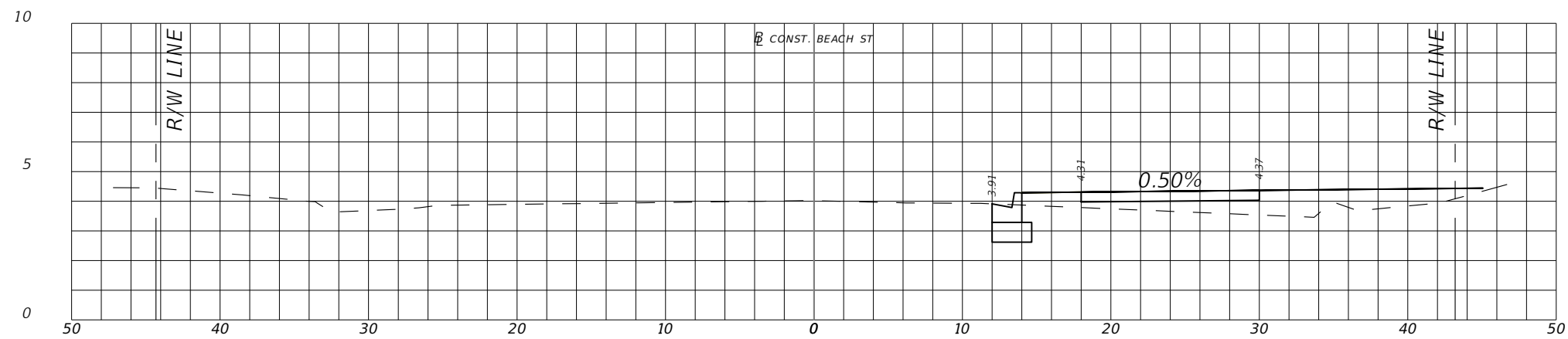
41



35+00.00



34+65.00



34+50.00

REVISIONS	
DATE	DESCRIPTION



**CITY OF
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MICHAEL STEVEN REPSCH, P.E.
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WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



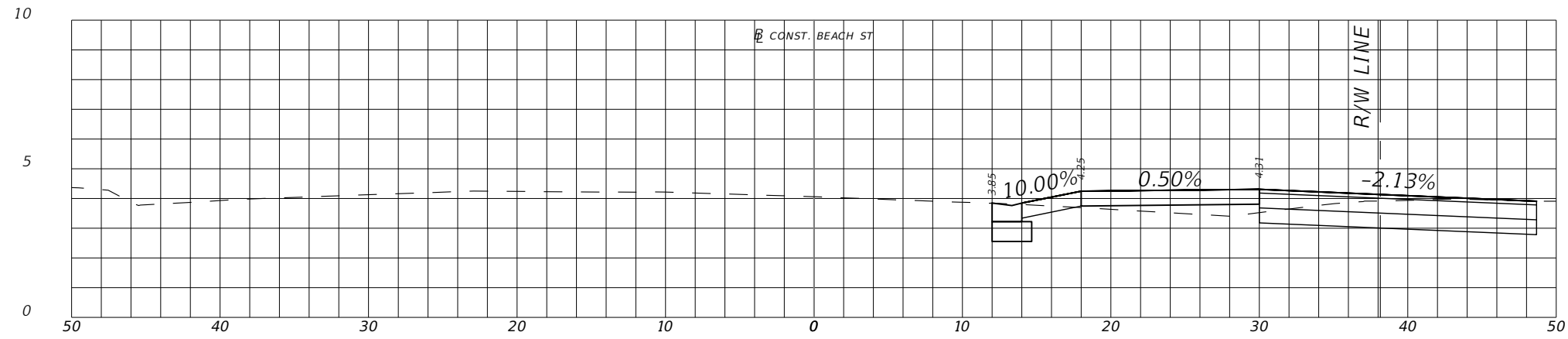
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(BEACH ST BETWEEN
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CROSS SECTIONS

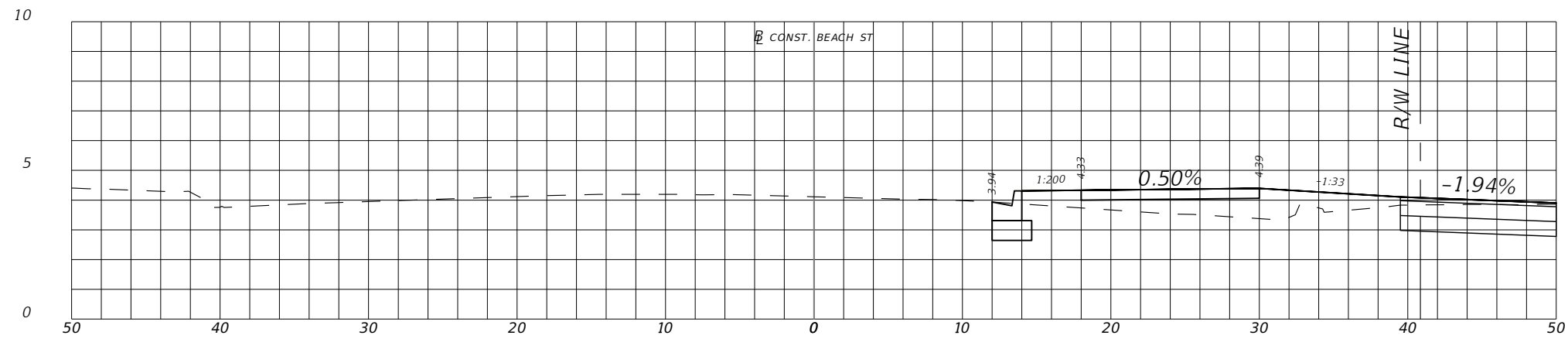
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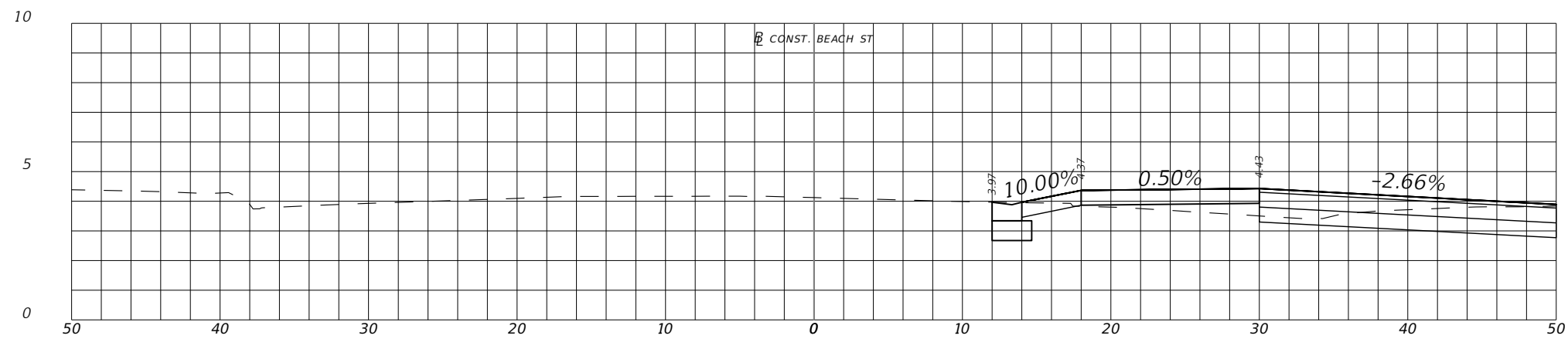
42



36+00.00



35+50.00



35+25.00

REVISIONS	
DATE	DESCRIPTION



**CITY OF
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MICHAEL STEVEN REPSCH, P.E.
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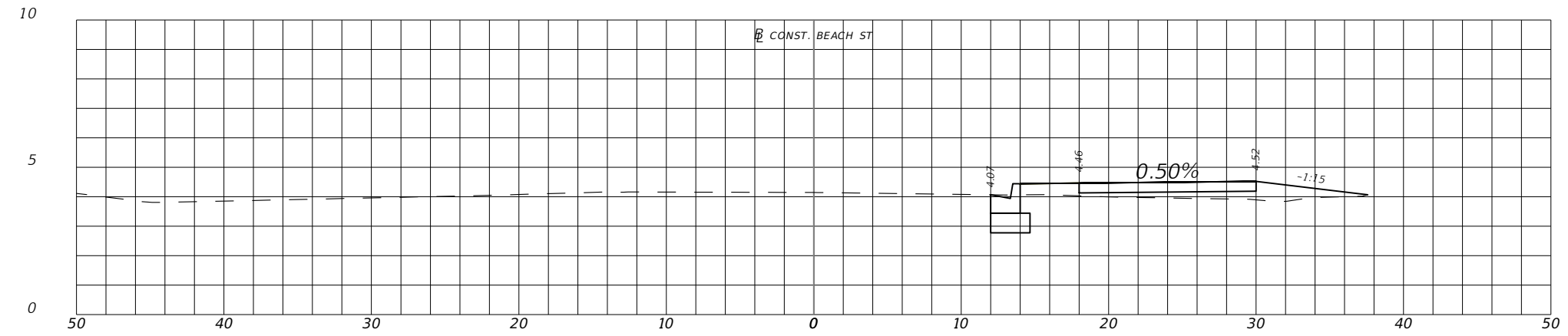
SWEETHEART TRAIL
(BEACH ST BETWEEN
MARINA POINT DR AND ORANGE AVE)

CROSS SECTIONS

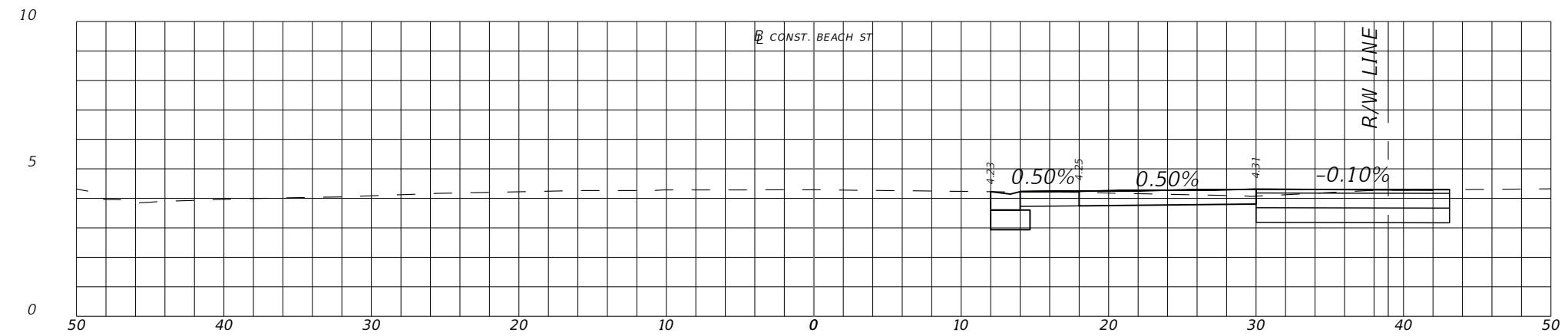
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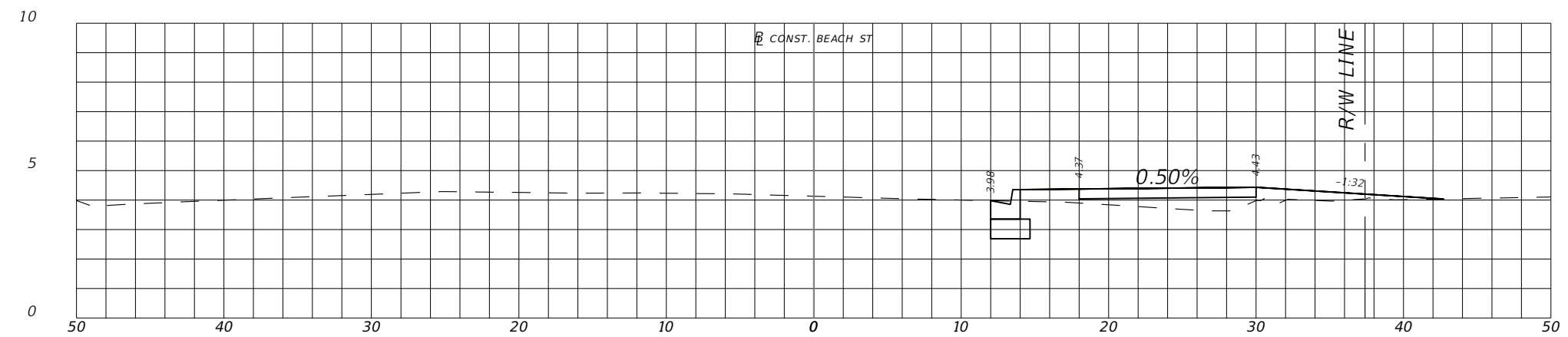
43



37+50.00



37+00.00



36+50.00

REVISIONS	
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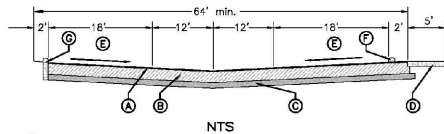
SWEETHEART TRAIL
(BEACH ST BETWEEN
MARINA POINT DR AND ORANGE AVE)

CROSS SECTIONS

100% SUBMITTAL

SHEET
NO.

44



- A ASPHALT PAVEMENT:**
1-1/2" min. ASPHALT BITUMINOUS CONCRETE TYPE SP-9.5 (SUPERPAVE). ASPHALT PAVEMENT TESTING IS TO BE DONE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION TABLE 334-5, JANUARY 2019.
- B BASE:**
8" min. RECYCLED CONCRETE BASE (LBR 130) COMPACTED TO 98% DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST.
ALTERNATE 1:
6" min. ASPHALT BASE MINIMUM BEARING (LBR 100) COMPACTED TO 98% DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST.
ALTERNATE 2:
8" min. LIMEROCK BASE (LBR 100) COMPACTED TO 98% DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST. TO BE USED ONLY WHEN BOTTOM OF BASE LAYER IS 24" max. ABOVE ANNUAL GROUND WATER ELEVATION AND UPON APPROVAL OF THE CITY ENGINEER.
- C SUB-GRADE:**
6" min. SUB-BASE COMPACTED TO 98% DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST WITH MINIMUM LBR 40.
- D CONCRETE SIDEWALK** 5'-0" min. WIDTH, 6" min. THICK, 3400 P.S.I. @ 28 DAYS.
- E THE MINIMUM ALLOWABLE PARKING LOT PAVEMENT SLOPE FOR ASPHALT SHALL BE NO LESS THAN 0.5% MEASURED FROM THE RECEIVING INLET OR FLUME TO ANY PAVEMENT. (NOTE THAT THE MINIMUM SLOPE MAY BE REDUCED TO 0.50% FOR CONCRETE PAVEMENT.)**
- F CONCRETE WHEEL STOP (IF APPLICABLE).**
- G 6" min. WIDE FDOT TYPE 'D' CURB WITH 24" min. OF UNOBSTRUCTED OVERHANG.**
- 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, JANUARY 2019.

THE CITY OF DAYTONA BEACH ENGINEERING DIVISION

TYPICAL PARKING LOT SECTION DETAIL
M-2

Drawing Title: 02-0000
Drawn By: []
Checked By: []
Date: []
Revision: []
File Name: []

AS-BUILT DRAWING REQUIREMENTS

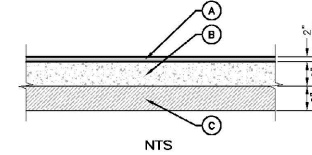
IN ORDER TO ENSURE THAT ROADWAY AND TRAIL PROJECTS ARE CONSTRUCTED SUBSTANTIALLY IN ACCORDANCE WITH CITY REGULATIONS AND THE APPROVED DRAWINGS, THE FOLLOWING INFORMATION IS REQUIRED ON ALL AS-BUILT DRAWINGS:

- As-Built plans are to be prepared by a Florida Licensed Surveyor and shall include a signed certification statement by the Florida Licensed Engineer of Record, two (2) signed & sealed paper sets of As-Built Record Drawings shall be provided along with a digital copy in both a compatible AutoCAD format and a PDF format.
- Elevations shall be referenced to NGVD 1988 Data. As-Built survey information shall be referenced to a least two Florida State Plane east coordinates NAD 83.
- Benchmark Datum utilizes monumentation from the North American Vertical Datum of 1929 with elevations adjusted to NGVD 1988 cota. Any NAD 1929 monument within the limits of construction is to be protected.
- Show the location of all right of way or easement lines, clearly labeled.
- Note any changes to the alignment, either vertically or horizontally, of curb & gutter, trail, sidewalk, or any other surface improvement.
- Provide trail edge (both sides) spot elevations approximately on 25-foot stations, or as field conditions warrant.
- Typical ramp or curb opening installation details that deviate from original plans shall be noted on as-built drawings.
- Specific detail drawings will be required where installations were not as shown on original drawings due to field conditions or where required for clarity.
- Show the location of all structures within trail, e.g., manhole covers, meter covers, etc.
- All applicable topographic information pertinent to the on site drainage system, such as ditches, swales, etc., that are deemed necessary by the City to verify the functional performance of the storm water system, shall be noted. Measurements shall be taken and recorded in order to accurately tie down these features to the trail centerlines and to spot lines. Wherever possible, contour lines shall be utilized to graphically describe these topographic features.
- Retention areas shall have their top-of-bank and bottom elevations recorded. Actual measurements shall be taken and dimensions recorded of the size of all retention areas. Measurements shall be done from top-of-bank to opposite-bank with side slopes indicated. Separate calculations shall be submitted to indicate required and provided retention volumes.
- Show the location of all obstructions within 3 ft. of trail edge and all man made features within trail property/assessment.
- Locate and describe all installed regulatory or warning signage and pavement markings within the project area.

THE CITY OF DAYTONA BEACH ENGINEERING DIVISION

AS-BUILT DRAWING REQUIREMENTS NOTES
M 11

Drawing Title: 01-0000
Drawn By: []
Checked By: []
Date: []
Revision: []
File Name: []



- A ASPHALT PAVEMENT:**
2" MIN. ASPHALT BITUMINOUS CONCRETE TYPE SP-9.5 SEE NOTE 2
- B BASE:**
8" 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 ANNUAL 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. COMPACTION, STABILITY & DENSITY TESTING ARE TO BE DONE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROADWAY & BRIDGE CONSTRUCTION, LATEST EDITION.
3. 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 |

THE CITY OF DAYTONA BEACH ENGINEERING DIVISION

TYPICAL ASPHALT PAVEMENT SECTION DETAIL
R-9

Drawing Title: 02-0000
Drawn By: []
Checked By: []
Date: []
Revision: []
File Name: []

REVISIONS	
DATE	DESCRIPTION

CITY OF DAYTONA BEACH

MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
313 DATURA STREET, SUITE 100
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108

SWEETHEART TRAIL
(BEACH ST BETWEEN MARINA POINT DR AND ORANGE AVE)

DETAIL SHEET
100% SUBMITTAL

SHEET NO.
45

SITE DESCRIPTION

PROJECT NAME AND LOCATION

SWEETHEART TRAIL
(BEACH ST BETWEEN CEDAR ST AND ORANGE AVE)
FPID: 439869-1-54-01
CITY OF DAYTONA BEACH
VOLUSIA COUNTY, FL

*SEE COVER SHEET FOR LOCATION MAP

PROJECT OWNER AND ADDRESS

CITY OF DAYTONA BEACH
301 S. RIDGEWOOD AVE
DAYTONA BEACH, FL 32114

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF CONSTRUCTION 0.462 MILES OF PROPOSED CONCRETE GREENWAY WITH MINIMAL DISTURBANCE OF SURROUNDING AREA. REQUIRED DRAINAGE DESIGN IS LIMITED TO GRADING TO MAINTAIN THE EXISTING CONDITIONS.

PROJECT AREA: 1.357 ACRES (RIGHT OF WAY)
TOTAL DISTURBED AREA: 1.358 ACRES

ULTIMATE RECEIVING WATERS: HALIFAX RIVER

ACTIVITIES THAT REQUIRE EROSION CONTROL

CLEARING AND GRUBBING; GRADING

*SEE PLANS FOR THE LOCATION OF TEMPORARY SEDIMENT BARRIERS AND OTHER EROSION CONTROL METHODS.

SOIL PARAMETERS

TURNBULL VARIANT SAND 68

CERTIFICATION OF LOCAL, STATE AND FEDERAL LAWS

THE FOLLOWING REQUIRED PERMITS ARE BEING OBTAINED:

EXEMPTION FROM SJRWMD ENVIRONMENTAL RESOURCE PERMIT

SEQUENCE OF MAJOR ACTIVITIES

THE ORDER OF CONSTRUCTION IS AS FOLLOWS:

1. INSTALL SILT FENCES AND OTHER EROSION CONTROL METHODS
2. FINISH CLEARING AND GRUBBING
3. REMOVE AND STORE TOPSOIL
4. PROVIDE INITIAL GRADING AS REQUIRED
5. STABILIZE ALL DISTURBED AREAS AS SOON AS POSSIBLE
6. INSTALL RIGHT TURN LANE AND SIDEWALK IMPROVEMENTS
7. FINISH GRADING ENTIRE PROJECT
8. REMOVE ACCUMULATED SEDIMENT
9. REMOVE ANY ITEMS THAT ARE NOT REQUIRED

TIMING OF CONTROL MEASURES

THE INSTALLATION OF SILT FENCE (AND OTHER EROSION CONTROL MEASURES) AND TEMPORARY CONSTRUCTION ENTRANCE(S) SHALL OCCUR PRIOR TO CLEARING AND GRUBBING ACTIVITY. AFTER CONSTRUCTION IS COMPLETE, THE ACCUMULATED SEDIMENT SHALL BE REMOVED AND THE AREAS SHALL BE REGRADED AND PERMANENTLY STABILIZED AS SHOWN ON THE PLANS.

EROSION AND SEDIMENT CONTROLS

BEST MANAGEMENT PRACTICES SHALL BE USED FOR THIS PROJECT TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN-OFF. THE LOCATION AND DETAILS OF EROSION CONTROL METHODS ARE SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR PLACING AND MAINTAINING THESE CONTROL METHODS AS SHOWN ON THE PLANS OR AS REQUIRED. HE/SHE SHALL ALSO PROVIDE THE REQUIRED EROSION PROTECTION AS REQUIRED BY LOCAL, STATE AND FEDERAL LAW

STORMWATER MANAGEMENT

UNDER PRESENT CONDITIONS, STORM WATER RUNOFF WITHIN THE PROJECT CORRIDOR FLOWS INTO THE EXISTING ROAD CURB AND GUTTER AND STORM DRAIN SYSTEM, WHICH DISCHARGES DIRECTLY TO THE HALIFAX RIVER. IN PROPOSED CONDITIONS, EXISTING DRAINAGE PATTERNS ARE MAINTAINED, WITH MINOR RELOCATION OF EXISTING STORM DRAIN INLETS WITH RELOCATED CURB.

STABILIZATION PRACTICES:

TEMPORARY STABILIZATION - NO TEMPORARY STABILIZATION IS ANTICIPATED TO BE REQUIRED.

PERMANENT STABILIZATION - DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASE SHALL BE STABILIZED WITH PERMANENT SOD NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY.

WASTE DISPOSAL

WASTE MATERIALS - ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A METAL DUMPSTER WITH A SECURE LID IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITIES TO HAVE THE DUMPSTER EMPTIED AT LEAST TWICE A WEEK AND THE WASTE TAKEN TO AN APPROPRIATE LANDFILL. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE. THE SUPERINTENDENT SHALL ORGANIZE TRAINING FOR THE EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH WASTE MATERIALS. THE SUPERINTENDENT SHALL BE RESPONSIBLE FOR POSTING AND ENFORCING WASTE MATERIAL PROCEDURES.

HAZARDOUS WASTE - HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS OR AS DIRECTED BY THE MANUFACTURER. THE SUPERINTENDENT SHALL ORGANIZE THE PROPER TRAINING FOR EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH HAZARDOUS WASTE MATERIALS. THESE PROCEDURES SHALL BE POSTED ON THE SITE. THE PERSON WHO MANAGES THE SITE SHALL BE RESPONSIBLE FOR ENFORCING THE PROCEDURES.

SANITARY WASTE - SANITARY WASTE SHALL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITY FOR COLLECTION OF THE SANITARY WASTE AT LEAST THREE TIMES A WEEK TO PREVENT SPILLAGE ONTO THE SITE.

OFFSITE TRACKING

A TEMPORARY CONSTRUCTION ENTRANCE OR OTHER MEASURES SHALL BE INSTALLED TO REDUCE OFFSITE TRACKING FROM CONSTRUCTION VEHICLES ENTERING AND EXITING THE PROJECT SITE, WHICH SHALL BE MAINTAINED PROPERLY TO ENSURE THEIR CONTINUED EFFECTIVE OPERATION. ALL TRUCKS HAULING MATERIALS OFFSITE SHALL BE COVERED WITH A TARPULIN.

ITEMS REQUIRING POLLUTION PREVENTION

THE FOLLOWING ITEMS ARE EXPECTED TO BE PRESENT WITHIN THE PROJECT AREA:

- CONCRETE
- FERTILIZERS
- METAL PIECES
- PETROLEUM BASED PRODUCTS
- CLEANING SUPPLIES
- DETERGENTS
- WOOD

THE FOLLOWING ARE NON-STORM WATER SOURCES THAT MAY BE ENCOUNTERED AT THE SITE AND SHOULD BE DIRECTED TO THE SEDIMENT BASIN, IF UTILIZED, PRIOR TO DISCHARGE:

-UNCONTAMINATED GROUNDWATER EXPOSED DURING EXCAVATION
-PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).

SPILL PREVENTION AND CONTROL

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

-SUPERINTENDENT SHALL INSPECT PROJECT AREA DAILY FOR PROPER STORAGE, USE, AND DISPOSAL OF CONSTRUCTION MATERIALS.
-STORE ONLY ENOUGH MATERIAL ON SITE FOR PROJECT COMPLETION.
-ALL SUBSTANCES SHOULD BE USED BEFORE DISPOSAL OF CONTAINER.
-ALL CONSTRUCTION MATERIALS STORED SHALL BE ORGANIZED AND IN THE PROPER CONTAINER AND IF POSSIBLE, STORED UNDER A ROOF OR PROTECTIVE COVER.
-PRODUCTS SHALL NOT BE MIXED UNLESS DIRECTED BY THE MANUFACTURER.
-ALL PRODUCTS SHALL BE USED AND DISPOSED OF ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

HAZARDOUS PRODUCTS

-MATERIALS SHOULD BE KEPT IN ORIGINAL CONTAINER WITH LABELS UNLESS THE ORIGINAL CONTAINERS CANNOT BE RESEALED. IF ORIGINAL CONTAINERS CANNOT BE USED, LABELS AND PRODUCT INFORMATION SHALL BE SAVED.
-PROPER DISPOSAL PRACTICES SHALL ALWAYS BE FOLLOWED IN ACCORDANCE WITH MANUFACTURER AND LOCAL/STATE REGULATIONS.

PRODUCT SPECIFIC PRACTICES

-PETROLEUM PRODUCTS MUST BE STORED IN PROPER CONTAINERS AND CLEARLY LABELED. VEHICLES CONTAINING PETROLEUM PRODUCTS SHALL BE PERIODICALLY INSPECTED FOR LEAKS. PRECAUTIONS SHALL BE TAKEN TO AVOID LEAKAGE OF PETROLEUM PRODUCTS ON SITE.
-CONCRETE TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER WITHIN THE PROJECT AREA.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

-SPILL CLEANUP INFORMATION SHALL BE POSTED ON SITE TO INFORM EMPLOYEES ABOUT CLEANUP PROCEDURES AND RESOURCES.
-THE FOLLOWING CLEAN-UP EQUIPMENT MUST BE KEPT ON-SITE NEAR THE MATERIAL STORAGE AREA: GLOVES, MOPS, RAGS, BROOMS, DUST PANS, SAND, SAWDUST, LIQUID ABSORBER, GOGGLES, AND TRASH CONTAINERS.
-ALL SPILLS SHALL BE CLEANED UP AS SOON AS POSSIBLE.
-WHEN CLEANING A SPILL, THE AREA SHOULD BE WELL VENTILATED AND THE EMPLOYEE SHALL WEAR PROPER PROTECTIVE COVERING TO PREVENT INJURY.
-TOXIC SPILLS MUST BE REPORTED TO THE PROPER AUTHORITY REGARDLESS OF THE SIZE OF THE SPILL.
-AFTER A SPILL, THE PREVENTION PLAN SHALL BE REVIEWED AND CHANGED TO PREVENT FURTHER SIMILAR SPILLS FROM OCCURRING. THE CAUSE OF THE SPILL, MEASURES TO PREVENT IT, AND HOW TO CLEAN THE SPILL UP SHALL BE RECORDED.
-THE SUPERINTENDENT SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR AND IS RESPONSIBLE FOR THE DAY TO DAY SITE OPERATIONS. THE SUPERINTENDENT ALSO OVERSEES THE SPILL PREVENTION PLAN AND SHALL BE RESPONSIBLE FOR EDUCATING THE EMPLOYEES ABOUT SPILL PREVENTION AND CLEANUP PROCEDURES.

MAINTENANCE AND INSPECTION PRACTICES

THE FOLLOWING ARE MAINTENANCE AND INSPECTION PRACTICES THAT SHALL BE COMPLETED BY THE CONTRACTOR:

-ALL SEDIMENT AND EROSION CONTROL METHODS SHALL BE CHECKED DAILY AND AFTER EACH SIGNIFICANT RAINFALL BY THE SUPERINTENDENT OR SOMEONE UNDER HIS/HER DIRECT SUPERVISION.

MAINTENANCE AND INSPECTION PRACTICES, CONT.

-ALL SEDIMENT AND EROSION CONTROL METHODS SHALL BE KEPT IN GOOD CONDITION. REPAIRS MUST BE MADE WITHIN 24 HOURS OF REPORT.
-THE SILT FENCE SHALL BE CLEARED OF SEDIMENT WHEN SEDIMENT MEASURES ONE-THIRD THE HEIGHT OF THE FENCE.
-THE SILT FENCE SHALL BE INSPECTED PERIODICALLY FOR HEIGHT OF SEDIMENT AND CONDITION OF FENCE.
-IF UTILIZED, THE SEDIMENT BASINS/DITCHES SHALL BE CHECKED MONTHLY FOR DEPTH OF SEDIMENT. THEY SHALL BE CLEANED WHEN SEDIMENT REACHES 10%OF TOTAL CAPACITY AND AFTER CONSTRUCTION IS COMPLETE.
-IF UTILIZED, THE DIVERSION DIKE SHALL BE INSPECTED MONTHLY. ANY BREACHES SHALL BE PROMPTLY REPAIRED.
-ALL SEEDING/SODDING SHALL BE CHECKED FOR PROPER GROWTH AND UNIFORMITY. UNSTABILIZED AREAS SHALL BE RE-SODDED.
-A MAINTENANCE REPORT SHALL BE COMPLETED DAILY AFTER EACH INSPECTION OF THE SEDIMENT AND EROSION CONTROL METHODS. THE REPORTS SHALL BE FILED IN AN ORGANIZED MANNER AND RETAINED ON-SITE DURING CONSTRUCTION. AFTER CONSTRUCTION IS COMPLETED, THE REPORTS SHALL BE SAVED FOR AT LEAST THREE YEARS. THE REPORTS SHALL BE AVAILABLE FOR ANY AGENCY THAT HAS JURISDICTION OVER EROSION CONTROL.
-THE SUPERINTENDENT SHALL ORGANIZE THE TRAINING FOR INSPECTION PROCEDURES AND PROPER EROSION CONTROL METHODS FOR EMPLOYEES THAT COMPLETE INSPECTIONS AND REPORTS.

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION. IT IS DESIGNED IN ACCORDANCE WITH AN EXISTING SYSTEM AND QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION OBTAINED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE.

SIGNED: *Michael S. Respch* DATE: 4/19/19
MICHAEL STEVEN RESPCH, P.E.
FLORIDA REGISTRATION NUMBER: 79870
PROFESSIONAL ENGINEER

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THAT AUTHORIZES THE STORM WATER DISCHARGE ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

SIGNATURE/DATE	COMPANY NAME/ADDRESS	RESPONSIBILITY

REVISIONS	
DATE	DESCRIPTION



CITY OF DAYTONA BEACH

MICHAEL STEVEN RESPCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
313 DATURA STREET, SUITE 100
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



SWEETHEART TRAIL
(BEACH ST BETWEEN MARINA POINT DR AND ORANGE AVE)

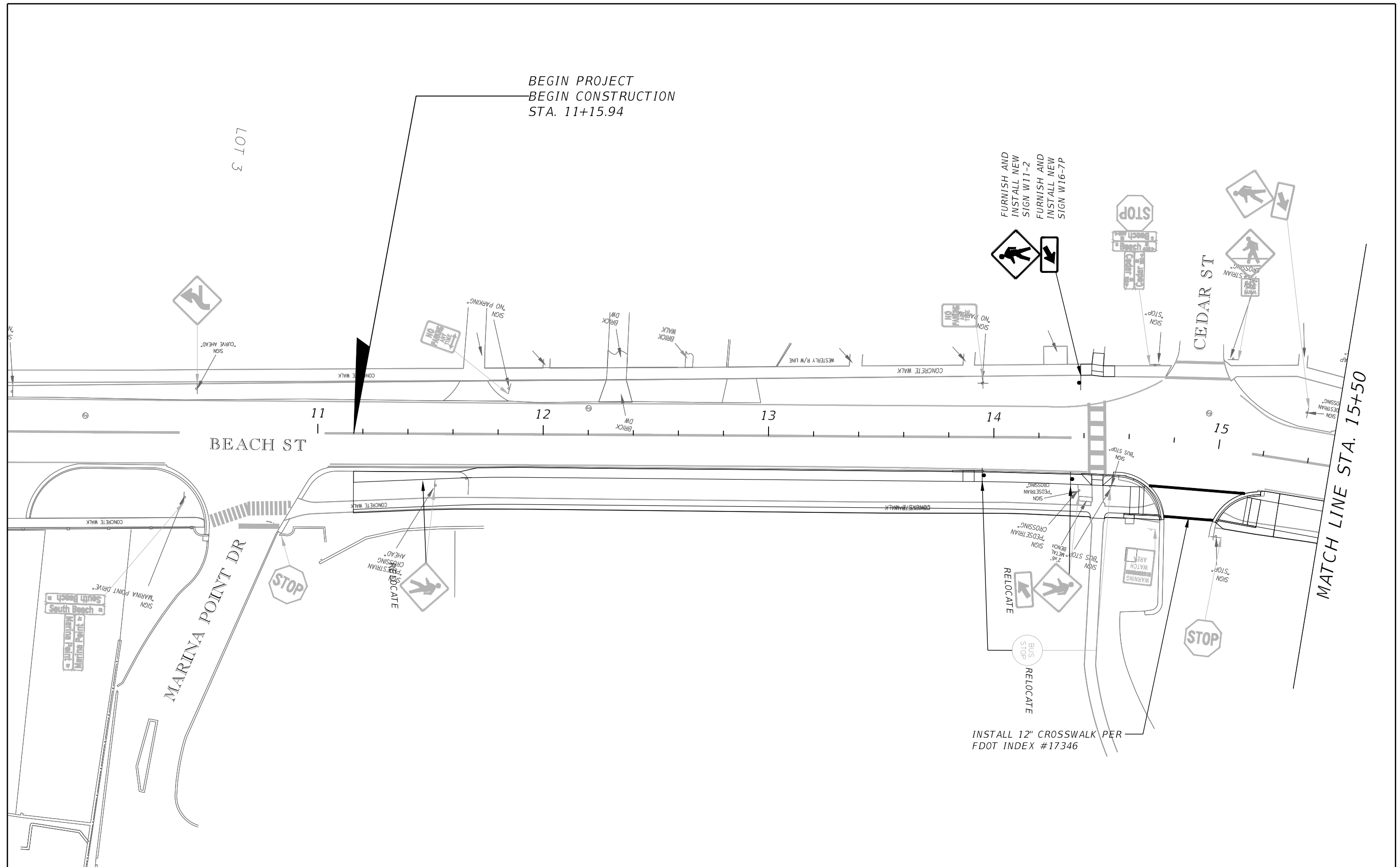
STORMWATER POLLUTION PREVENTION PLAN
100% SUBMITTAL

SHEET NO. 46

TRAFFIC CONTROL GENERAL NOTES:

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH 2018/2019 FDOT DESIGN STANDARD PLAN INDEX 102-600, 102-612, 102-613, 102-616, AND 102-660.
2. IN ACCORDANCE WITH FDOT SPECIFICATIONS 8-6.4, SPECIAL EVENT DAYS FOR THIS PROJECT INCLUDE: SPEED WEEK AND BIKE WEEK.
3. THE POSTED SPEED DURING ALL PHASES OF CONSTRUCTION SHALL NOT BE CHANGED.
4. LANE CLOSURE RESTRICTIONS: NONE, HOWEVER LANE CLOSURES ARE ONLY ALLOWED DURING ACTIVE WORK PERIODS
5. EXISTING SIGNS SHALL BE MAINTAINED AT ALL TIMES. ALL EXISTING SIGNS, WHEN TAKEN OUT OF USE, SHALL BE DISPOSED OF ACCORDING TO SPECIFICATIONS.
6. ALL EXISTING PAVEMENT MARKINGS AND REFLECTIVE PAVEMENT MARKERS OUTSIDE THE LIMITS OF CONSTRUCTION WHICH ARE DISTURBED OR REMOVED DUE TO TEMPORARY DETOURS AND/OR CONSTRUCTION OPERATIONS SHALL BE REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH FDOT STANDARD PLAN INDEX NOS. 706-001, 711-001, AND 711-003. PAYMENT FOR THIS SHALL BE INCLUDED IN PAY ITEM 102-1 (MAINTENANCE OF TRAFFIC).
7. THE CONTRACTOR SHALL RESTORE DROP OFF CONDITIONS FOR INACTIVE WORK ZONES PER FDOT STANDARD PLAN INDEX 102-600 SHEET 9 OF 12.
8. CONTRACTOR SHALL MAINTAIN ACCESS TO PRIVATE DRIVEWAYS AT ALL TIMES. SURFACE SHALL BE FIRM AND UNYIELDING.
9. SIDEWALK CAN ONLY BE CLOSED TO PEDESTRIAN TRAFFIC BETWEEN 7 AM AND 6 PM. MAINTAIN PEDESTRIAN TRAFFIC ON EXISTING AND NEWLY COMPLETED SIDEWALK DURING ALL INACTIVE WORK PERIODS.

REVISIONS		 CITY OF DAYTONA BEACH	MICHAEL STEVEN REPSCH, P.E. P.E. LICENSE NUMBER 79870 ALTA PLANNING + DESIGN 313 DATURA STREET, SUITE 100 WEST PALM BEACH, FL 33401 CERTIFICATE OF AUTHORIZATION 31108	 ALTA PLANNING + DESIGN www.altaplanning.com	SWEETHEART TRAIL (BEACH ST BETWEEN MARINA POINT DR AND ORANGE AVE)	TEMPORARY TRAFFIC CONTROL PLAN 100% SUBMITTAL	SHEET NO.
DATE	DESCRIPTION						47



REVISIONS	
DATE	DESCRIPTION



**CITY OF
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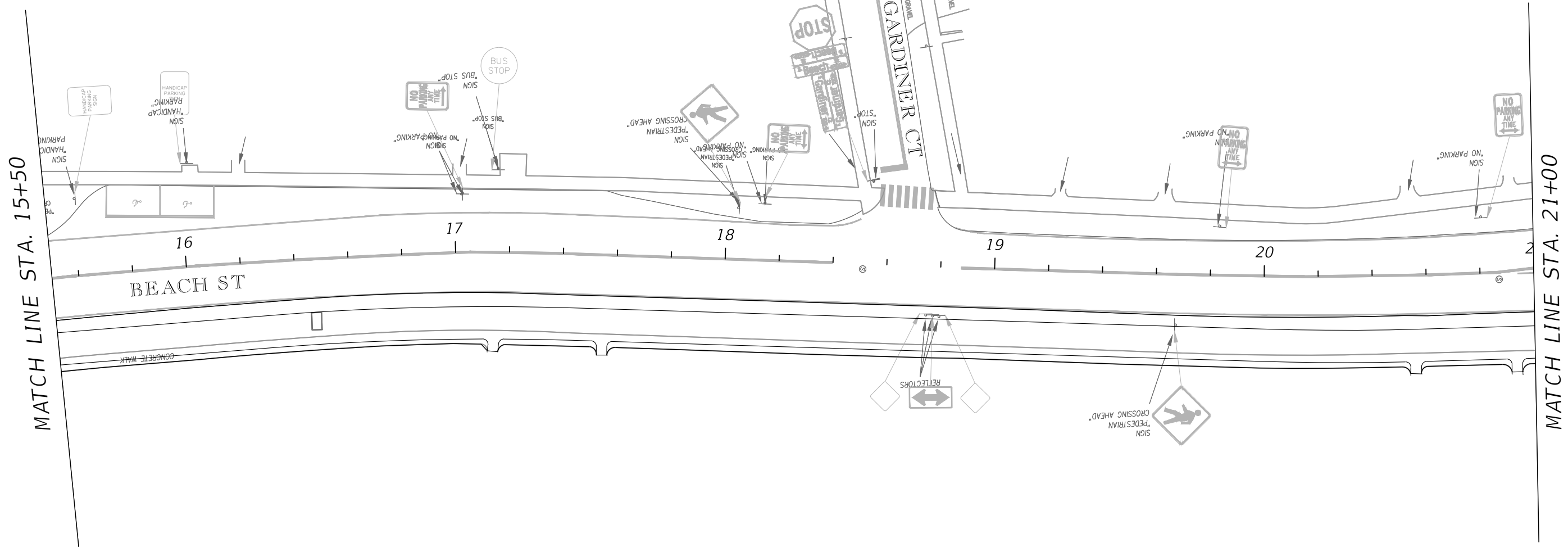
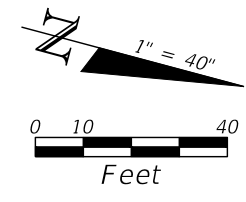
SWEETHEART TRAIL
(BEACH ST BETWEEN
MARINA POINT DR AND ORANGE AVE)

**SIGNING AND PAVEMENT
MARKING PLAN**

100% SUBMITTAL

SHEET
NO.

48



REVISIONS	
DATE	DESCRIPTION



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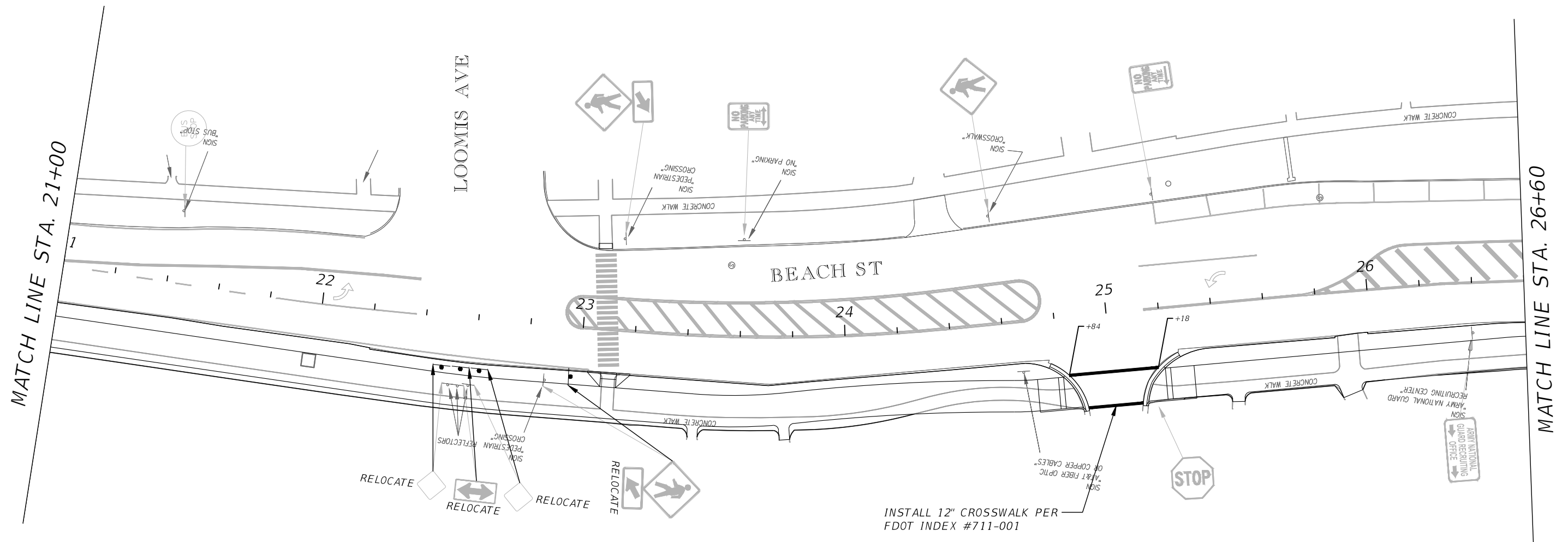
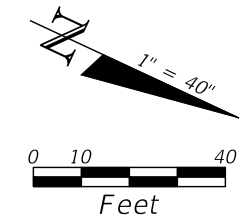


SWEETHEART TRAIL
(BEACH ST BETWEEN
MARINA POINT DR AND ORANGE AVE)


**SIGNING AND PAVEMENT
MARKING PLAN**

100% SUBMITTAL

SHEET
NO.
49



REVISIONS	
DATE	DESCRIPTION



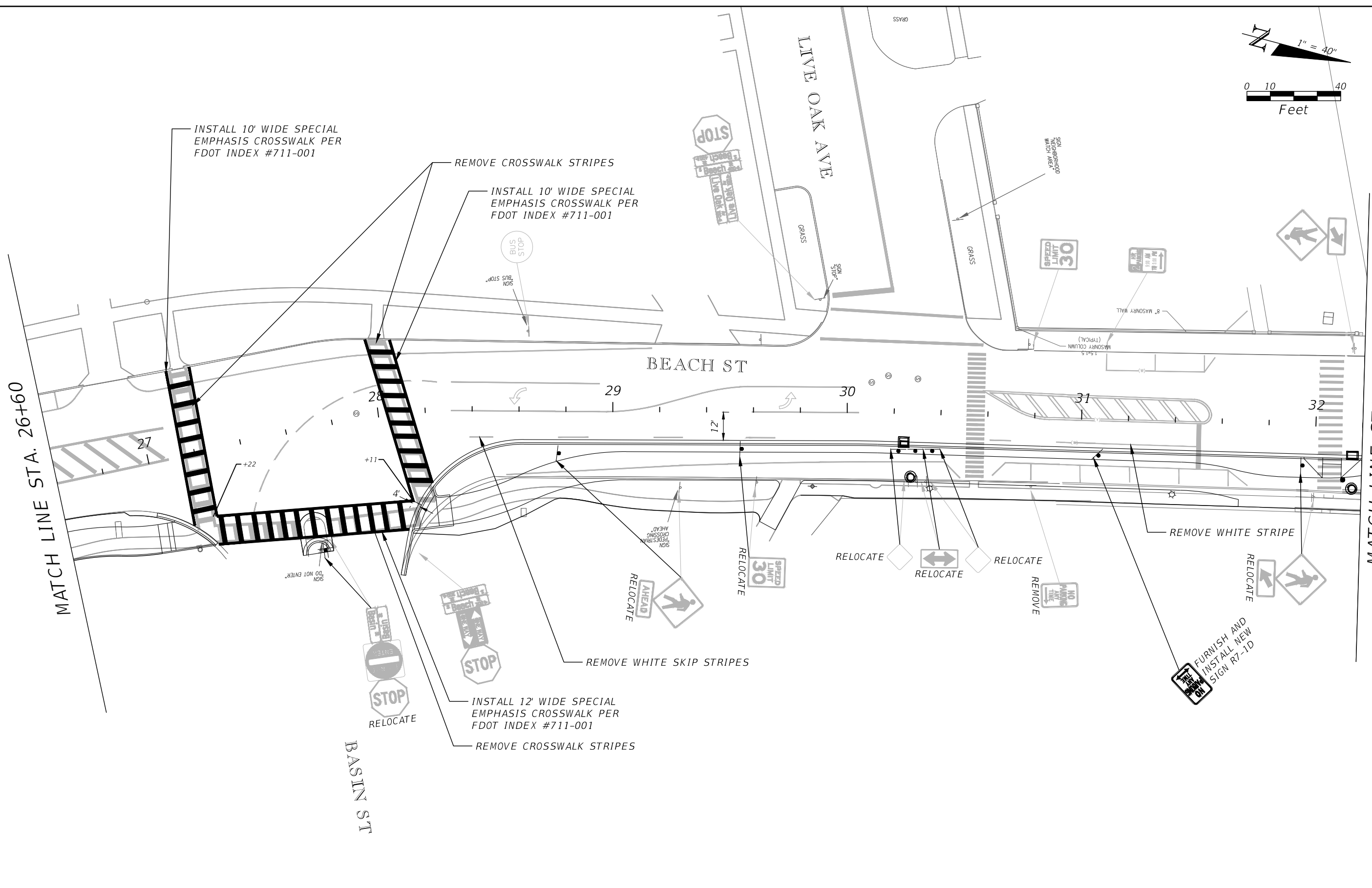
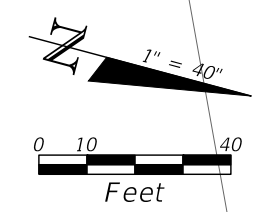
**CITY OF
DAYTONA BEACH**

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SWEETHEART TRAIL
 (BEACH ST BETWEEN
 MARINA POINT DR AND ORANGE AVE)

**SIGNING AND PAVEMENT
 MARKING PLAN**
 100% SUBMITTAL

SHEET
 NO.
 50



REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

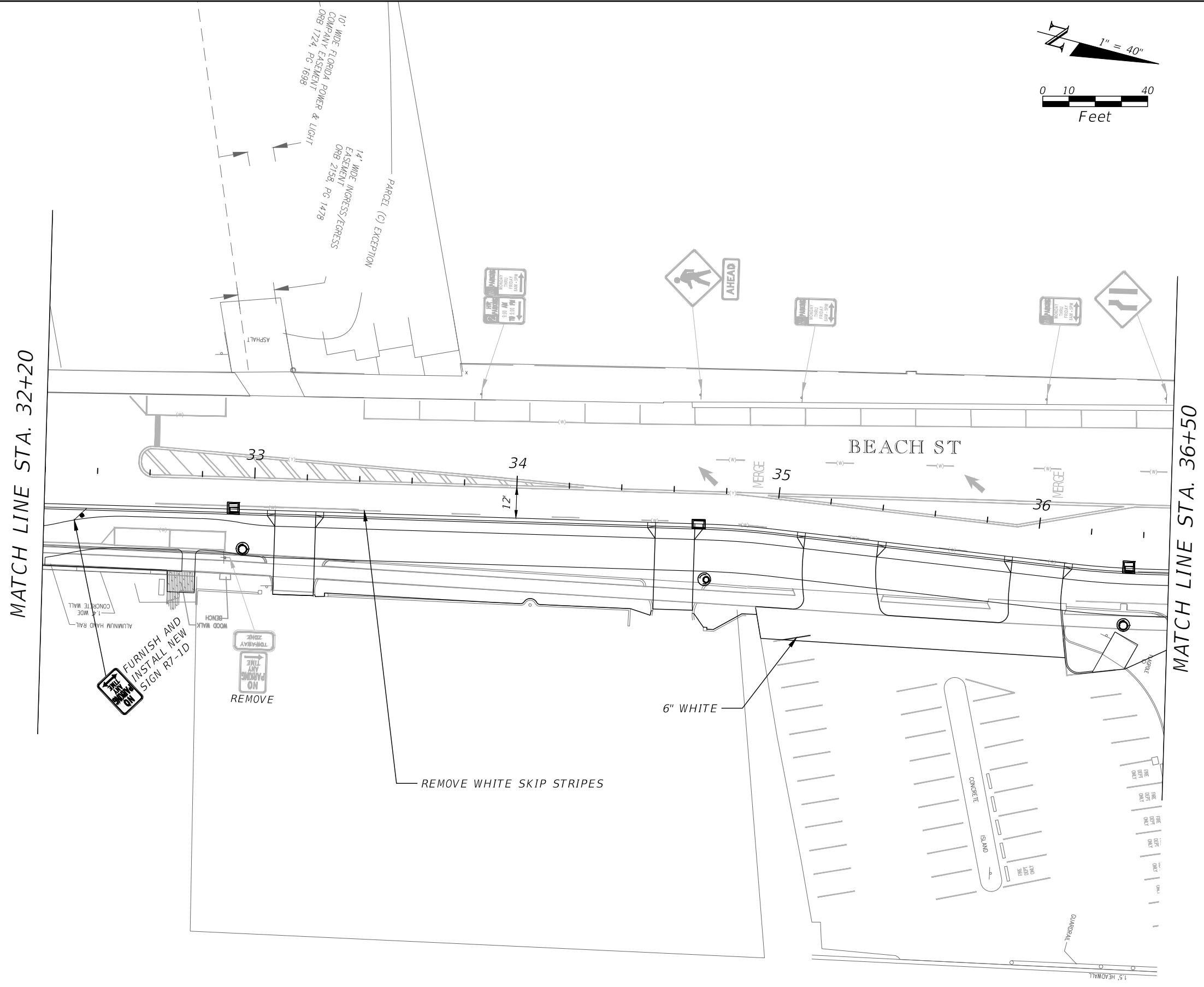
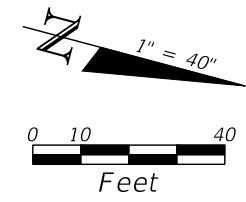
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SWEETHEART TRAIL
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**SIGNING AND PAVEMENT
MARKING PLAN**

100% SUBMITTAL

SHEET
NO.
51



MATCH LINE STA. 32+20

MATCH LINE STA. 36+50

BEACH ST

FURNISH AND
INSTALL NEW
SIGN R7-1D

REMOVE

REMOVE WHITE SKIP STRIPES

6" WHITE

REVISIONS	
DATE	DESCRIPTION



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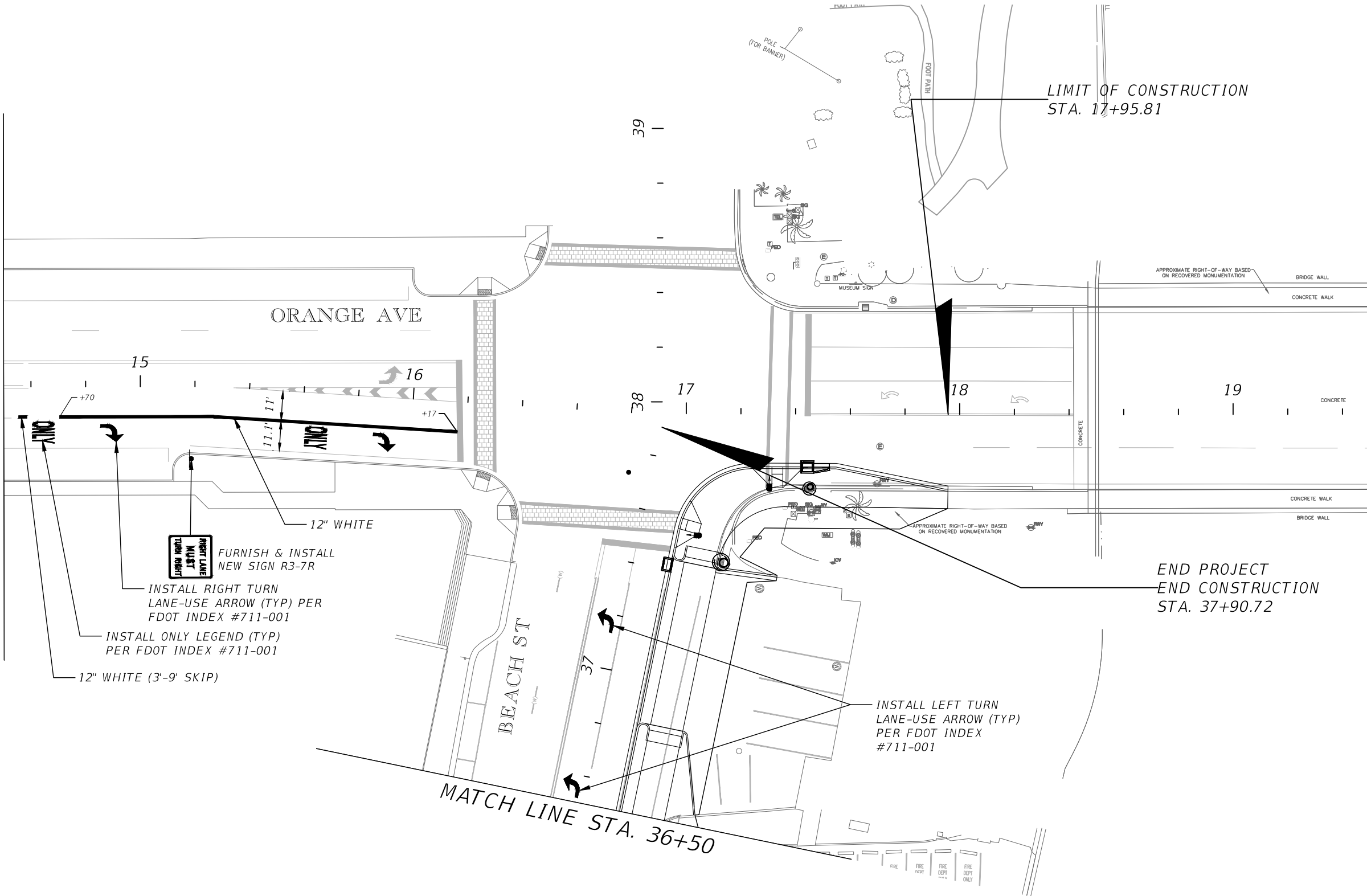
SWEETHEART TRAIL
(BEACH ST BETWEEN
MARINA POINT DR AND ORANGE AVE)

**SIGNING AND PAVEMENT
MARKING PLAN**

100% SUBMITTAL

SHEET
NO.
52

MATCH LINE STA. 14+50



FURNISH & INSTALL
 NEW SIGN R3-7R
 INSTALL RIGHT TURN
 LANE-USE ARROW (TYP) PER
 FDOT INDEX #711-001
 INSTALL ONLY LEGEND (TYP)
 PER FDOT INDEX #711-001
 12" WHITE (3'-9" SKIP)

INSTALL LEFT TURN
 LANE-USE ARROW (TYP)
 PER FDOT INDEX
 #711-001

LIMIT OF CONSTRUCTION
 STA. 17+95.81

END PROJECT
 END CONSTRUCTION
 STA. 37+90.72

REVISIONS	
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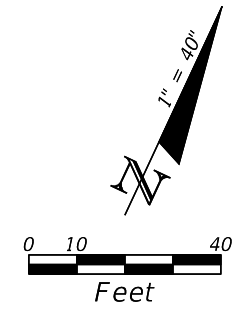


SWEETHEART TRAIL
 (BEACH ST BETWEEN
 MARINA POINT DR AND ORANGE AVE)

**SIGNING AND PAVEMENT
 MARKING PLAN**

100% SUBMITTAL

SHEET
 NO.
 53

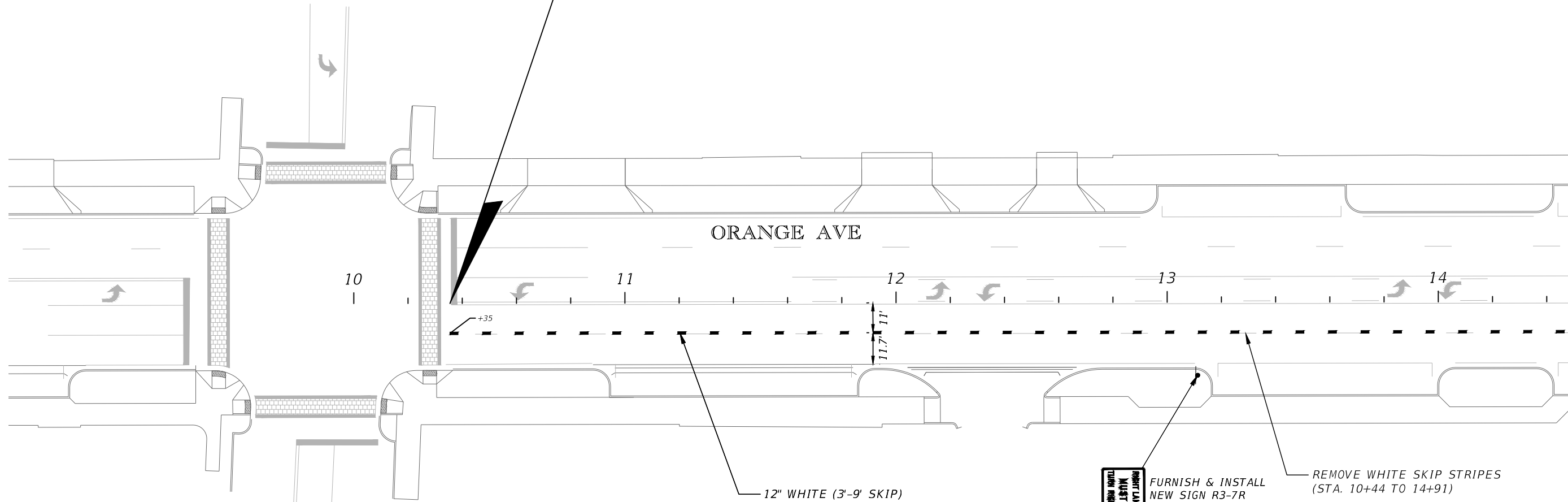


LIMIT OF CONSTRUCTION
STA. 10+35.47

ORANGE AVE

PALMETTO AVE

MATCH LINE STA. 14+50



FURNISH & INSTALL
NEW SIGN R3-7R

REMOVE WHITE SKIP STRIPES
(STA. 10+44 TO 14+91)

12" WHITE (3'-9" SKIP)

REVISIONS	
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MARKING PLAN**

100% SUBMITTAL

SHEET
NO.
54