

CONTRACT PLANS COMPONENTS
ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS



CITY OF DAYTONA BEACH

FINANCIAL PROJECT ID 439868-1-54-01

CITY PROJECT No. 2017-006

(STATE FUNDS)

VOLUSIA COUNTY

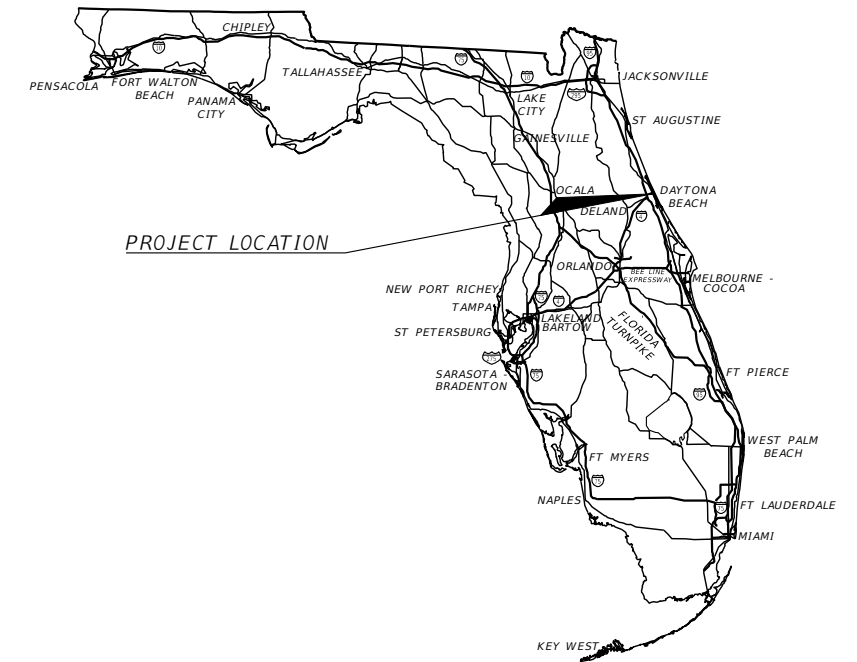
SWEETHEART TRAIL

(BEACH ST BETWEEN

BELLEVUE AVE AND MARINA POINT DR)

INDEX OF PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SUMMARY OF PAY ITEMS
3-4	DRAINAGE MAP
5	GENERAL NOTES
6-8	TYPICAL SECTIONS
9-11	ROADWAY PLAN SHEETS
12-13	ROADWAY PROFILE SHEETS
14-23	CROSS SECTIONS
24	DETAIL SHEET
25	STORMWATER POLLUTION PREVENTION PLAN
26	TEMPORARY TRAFFIC CONTROL PLAN
27-29	SIGNING AND PAVEMENT MARKING PLANS

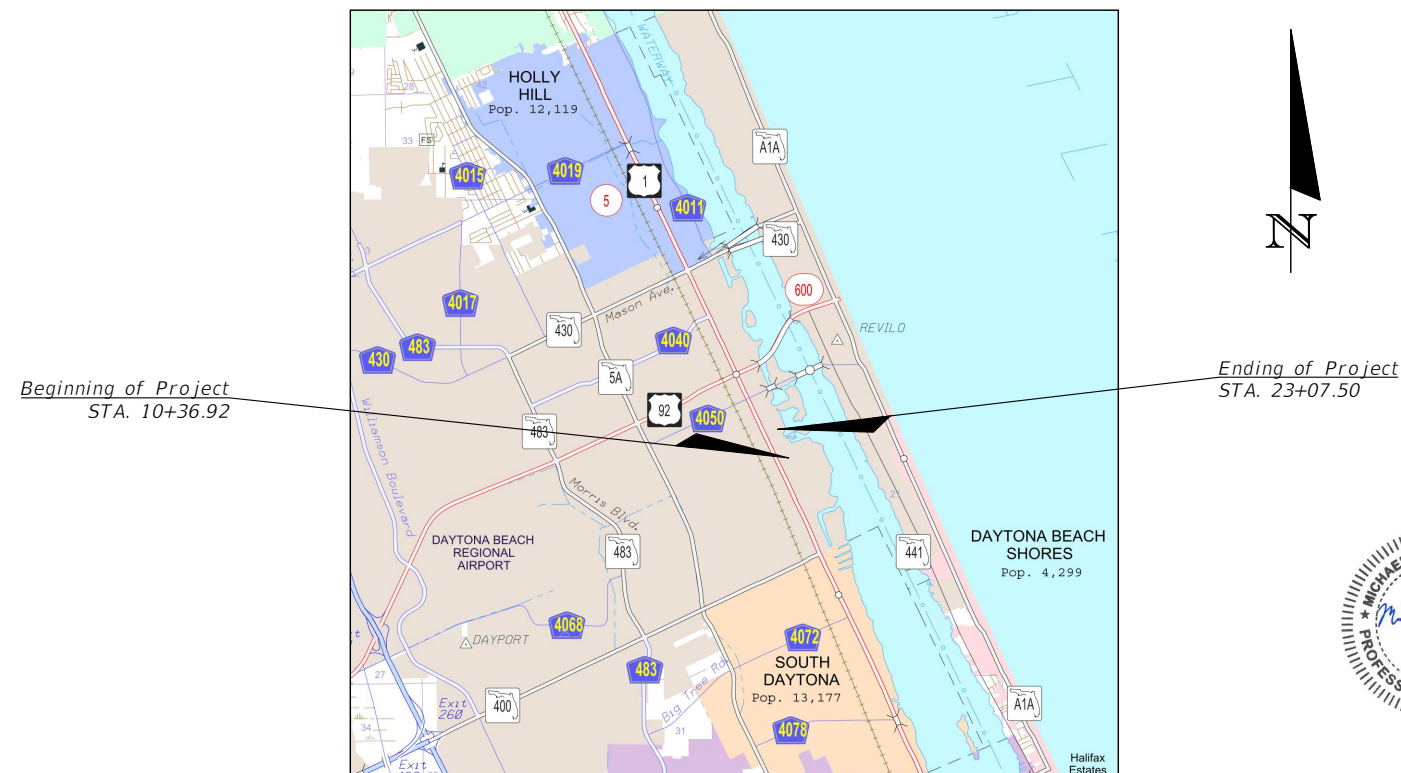


PROJECT LOCATION

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



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	696
104-18	INLET PROTECTION SYSTEM	EA	28
110-1-1	CLEARING AND GRUBBING	AC	1.268
110-4-10	REMOVAL OF EXISTING CONCRETE	SY	852
120-1	REGULAR EXCAVATION	CY	1540
120-6	EMBANKMENT	CY	201
160-4	TYPE B STABILIZATION	SY	2174
285-704	OPTIONAL BASE GROUP 04	SY	2174
334-1-12	SUPERPAVE ASPHALTIC CONC, TRAFFIC B	TN	224
425-1203	INLETS, CURB, TYPE 9, J BOT, <10'	EA	1
425-1311	INLETS, CURB, TYPE P-1, <10'	EA	1
425-1561	INLETS, DITCH BOTTOM, TYPE F, J BOT, <10'	EA	9
425-2-41	MANHOLES, P-7, <10'	EA	3
425-4	INLETS, ADJUST	EA	8
425-5	MANHOLE, ADJUST	EA	3
425-51	MANHOLE, ADJUST, UTILITIES	EA	2
425-6	VALVE BOXES, ADJUST	EA	7
430-174-108	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 8"SD	LF	152
430-174-112	PIPE CULVERT, OPTIONAL MATERIAL, ROUND, 12"SD	LF	26
520-1-10	CONCRETE CURB & GUTTER, TYPE F	LF	626
520-2-4	CONCRETE CURB, TYPE D	LF	301
522-1	CONCRETE SIDEWALK, 4" THICK	SY	1372
522-2	CONCRETE DRIVEWAYS, 6" THICK	SY	657
527-2	DETECTABLE WARNINGS	SF	253
542-70	BUMPER GUARDS, CONCRETE	EA	18
570-1-2	PERFORMANCE TURF, SOD	SY	1712
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF	120
632-7-1	SIGNAL CABLE- NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI	1
632-7-6	SIGNAL CABLE, REMOVE- INTERSECTION	PI	1
646-1-11	ALUMINUM SIGNALS POLE, PEDESTAL	EA	6
653-1-11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS	6
653-1-12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS	1
653-1-60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS	4
660-2-102	LOOP ASSEMBLY, F&I, TYPE B	AS	1
665-1-11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA	8
665-1-60	PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN	EA	4

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, CURBING, AND EXISTING TREES.

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
670-5-400	TRAFFIC CONTROLLER ASSEMBLY, MODIFY	AS	1
700-1-50	SINGLE POST SIGN, RELOCATED	AS	11
700-1-60	SINGLE POST SIGN, REMOVE	AS	1
710-11-101	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID, 6"	GM	0.121
710-11-123	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR CROSSWALK AND ROUNDABOUT, 12"	LF	65
710-11-125	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, SOLID FOR STOP LINE OR CROSSWALK, 24"	LF	13
710-11-160	PAINTED PAVEMENT MARKINGS, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	1
710-11-201	PAINTED PAVEMENT MARKINGS, STANDARD, YELLOW, SOLID, 6"	GM	0.152
710-11-421	PAINTED PAVEMENT MARKINGS, STANDARD, BLUE, SOLID FOR PARKING LOT-ACCESSIBLE MARKINGS, 6"	LF	36
711-11-123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF	146
711-11-125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINE AND CROSSWALK	LF	332
711-11-160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA	1
711-11-421	THERMOPLASTIC, STANDARD, BLUE, SOLID, 6"	LF	36
711-16-101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM	0.254
711-16-141	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6"	GM	0.010
711-16-201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM	0.375
711-17	THERMOPLASTIC, REMOVE EXISTING THERMOPLASTIC PAVEMENT MARKINGS: NON-CONFLICTING ONLY	SF	2162
1080-21500	UTILITY FIXTURE, VALVE/METER BOX, ADJUST	EA	3
1644-700	FIRE HYDRANT, ADJUST & MODIFY	EA	1

REVISIONS

DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



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

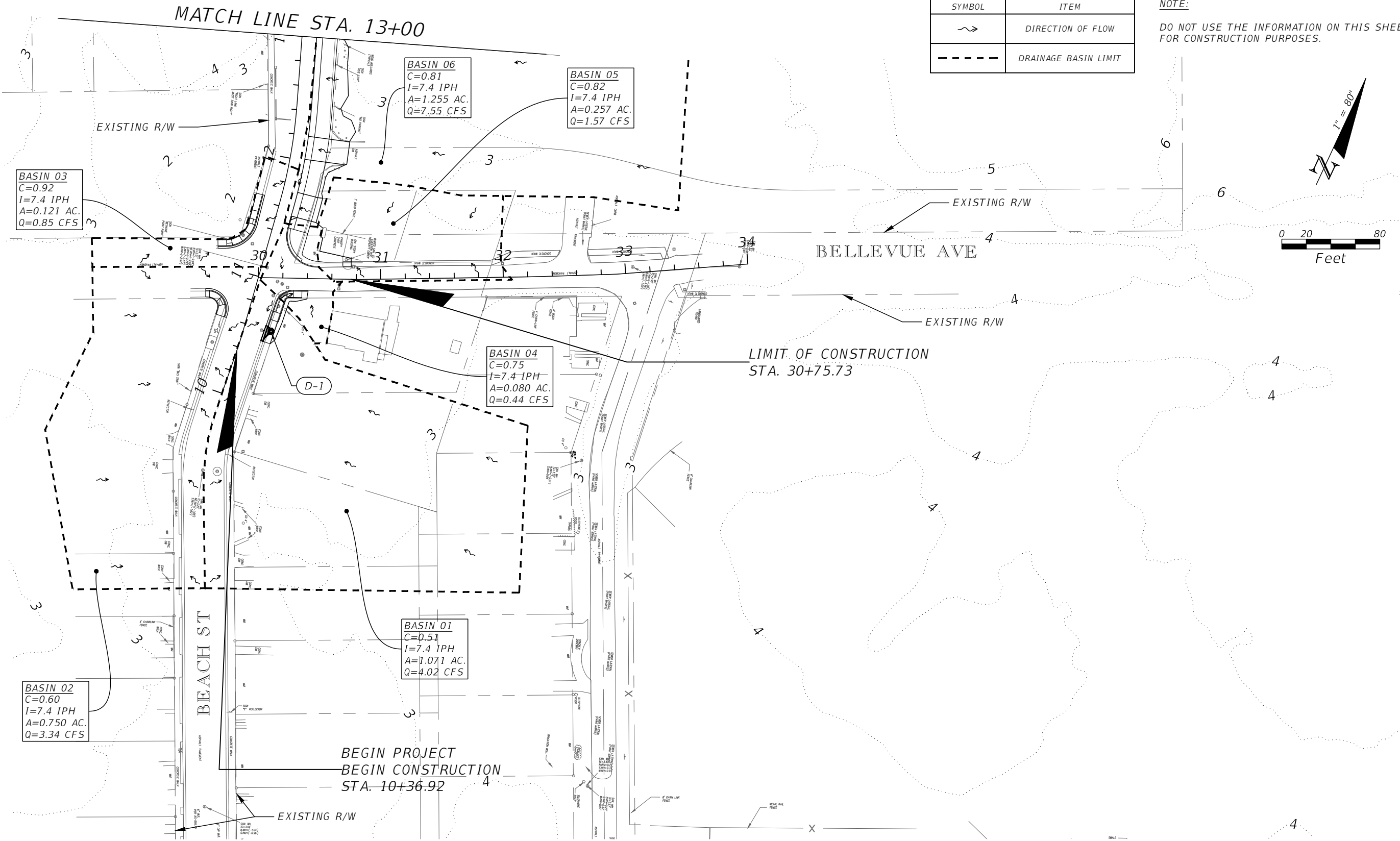
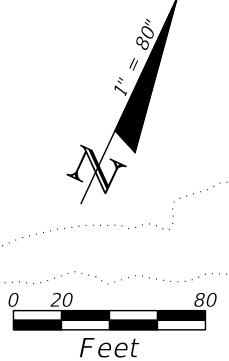
SUMMARY OF PAY ITEMS

SHEET NO.

2

DRAINAGE MAP LEGEND	
SYMBOL	ITEM
	DIRECTION OF FLOW
	DRAINAGE BASIN LIMIT

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



BASIN 03
C=0.92
I=7.4 IPH
A=0.121 AC.
Q=0.85 CFS

BASIN 06
C=0.81
I=7.4 IPH
A=1.255 AC.
Q=7.55 CFS

BASIN 05
C=0.82
I=7.4 IPH
A=0.257 AC.
Q=1.57 CFS

BASIN 04
C=0.75
I=7.4 IPH
A=0.080 AC.
Q=0.44 CFS

BASIN 01
C=0.51
I=7.4 IPH
A=1.071 AC.
Q=4.02 CFS

BASIN 02
C=0.60
I=7.4 IPH
A=0.750 AC.
Q=3.34 CFS

REVISIONS	
DATE	DESCRIPTION



CITY OF DAYTONA BEACH

MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
alta
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
www.altaplanning.com
CERTIFICATE OF AUTHORIZATION 31108

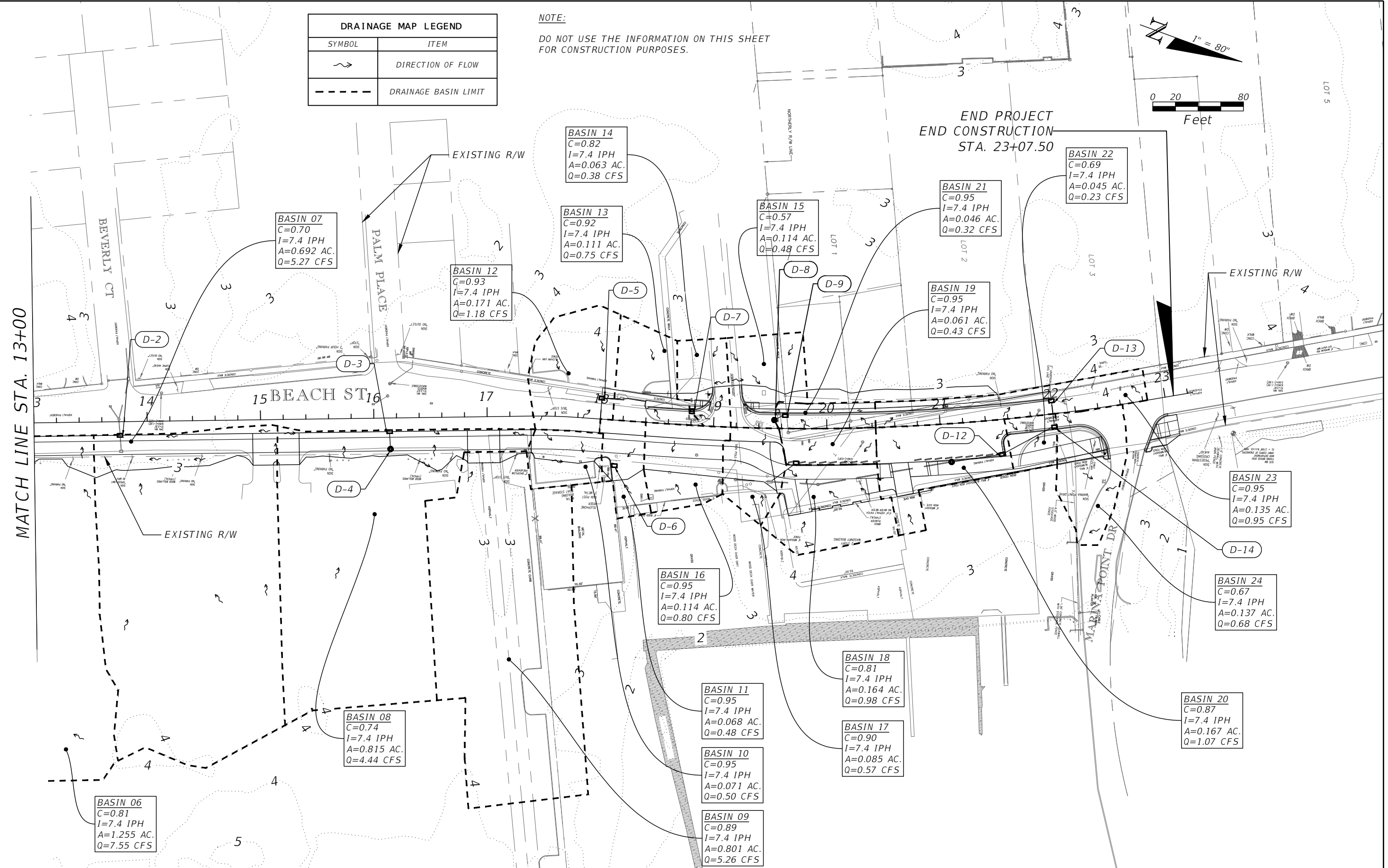
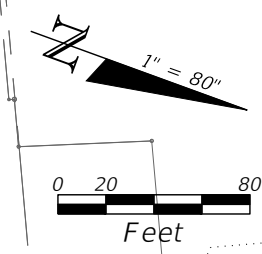
SWEETHEART TRAIL
(BEACH ST BETWEEN BELLEVUE AVE AND MARINA POINT DR)

DRAINAGE MAP

SHEET NO.
3

DRAINAGE MAP LEGEND	
SYMBOL	ITEM
	DIRECTION OF FLOW
	DRAINAGE BASIN LIMIT

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



BASIN 06
C=0.81
I=7.4 IPH
A=1.255 AC.
Q=7.55 CFS

BASIN 07
C=0.70
I=7.4 IPH
A=0.692 AC.
Q=5.27 CFS

BASIN 08
C=0.74
I=7.4 IPH
A=0.815 AC.
Q=4.44 CFS

BASIN 12
C=0.93
I=7.4 IPH
A=0.171 AC.
Q=1.18 CFS

BASIN 13
C=0.92
I=7.4 IPH
A=0.111 AC.
Q=0.75 CFS

BASIN 14
C=0.82
I=7.4 IPH
A=0.063 AC.
Q=0.38 CFS

BASIN 16
C=0.95
I=7.4 IPH
A=0.114 AC.
Q=0.80 CFS

BASIN 11
C=0.95
I=7.4 IPH
A=0.068 AC.
Q=0.48 CFS

BASIN 10
C=0.95
I=7.4 IPH
A=0.071 AC.
Q=0.50 CFS

BASIN 09
C=0.89
I=7.4 IPH
A=0.801 AC.
Q=5.26 CFS

BASIN 15
C=0.57
I=7.4 IPH
A=0.114 AC.
Q=0.48 CFS

BASIN 18
C=0.81
I=7.4 IPH
A=0.164 AC.
Q=0.98 CFS

BASIN 17
C=0.90
I=7.4 IPH
A=0.085 AC.
Q=0.57 CFS

BASIN 21
C=0.95
I=7.4 IPH
A=0.046 AC.
Q=0.32 CFS

BASIN 19
C=0.95
I=7.4 IPH
A=0.061 AC.
Q=0.43 CFS

BASIN 22
C=0.69
I=7.4 IPH
A=0.045 AC.
Q=0.23 CFS

BASIN 23
C=0.95
I=7.4 IPH
A=0.135 AC.
Q=0.95 CFS

BASIN 24
C=0.67
I=7.4 IPH
A=0.137 AC.
Q=0.68 CFS

BASIN 20
C=0.87
I=7.4 IPH
A=0.167 AC.
Q=1.07 CFS

REVISIONS	
DATE	DESCRIPTION



CITY OF
DAYTONA BEACH

MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



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

DRAINAGE MAP

SHEET NO.
4

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

- REPRESENTATIVE MAY BE PRESENT DURING PROJECT TAPING.
26. 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

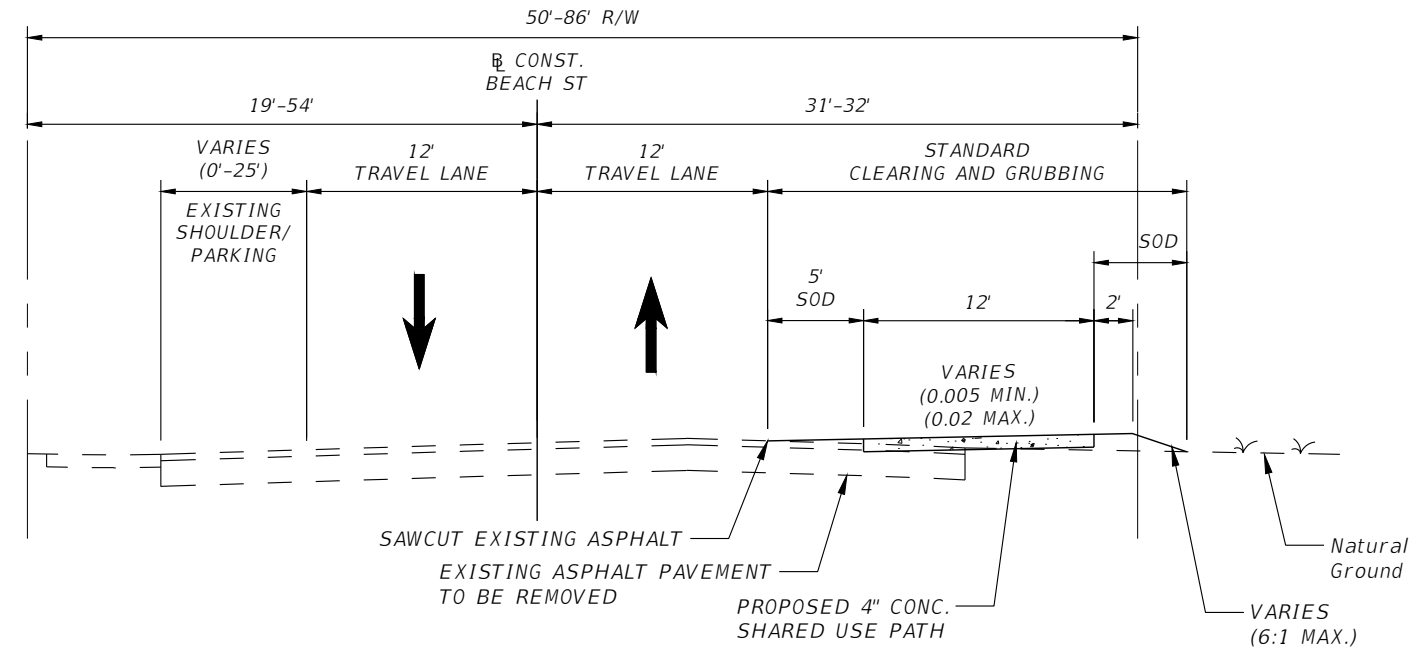
REVISIONS		 CITY OF DAYTONA BEACH	MICHAEL STEVEN REPSCH, P.E. P.E. LICENSE NUMBER 79870 ALTA PLANNING + DESIGN 524 DATURA STREET, SUITE 216 WEST PALM BEACH, FL 33401 CERTIFICATE OF AUTHORIZATION 31108	 SWEETHEART TRAIL (BEACH ST BETWEEN BELLEVUE AVE AND MARINA POINT DR)	GENERAL NOTES	SHEET NO.
DATE	DESCRIPTION					5

FULL DEPTH RECONSTRUCTION

OPTIONAL BASE GROUP 4 WITH
TYPE SP-9.5 STRUCTURAL COURSE (2")

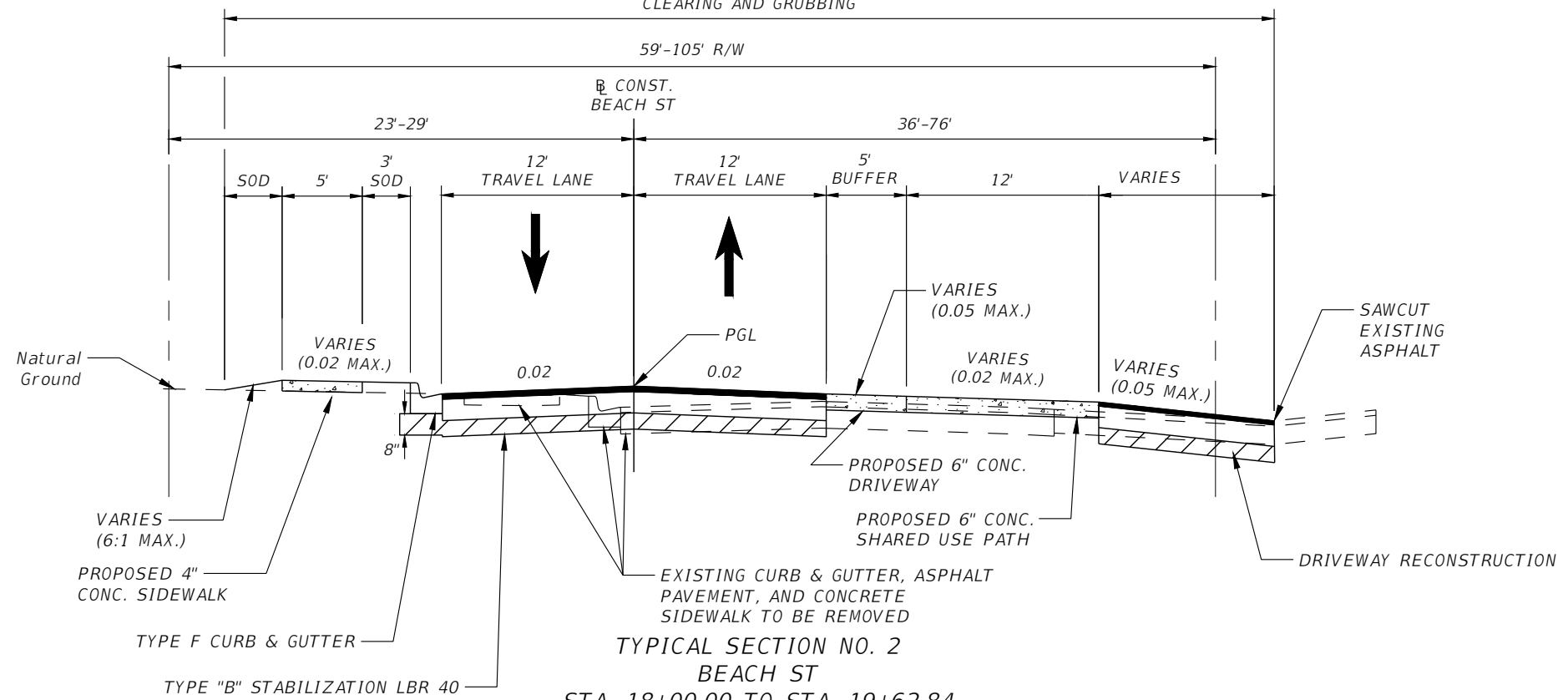
DRIVEWAY RECONSTRUCTION

OPTIONAL BASE GROUP 4 WITH
TYPE SP-9.5 STRUCTURAL COURSE (1½")



TYPICAL SECTION NO. 1
BEACH ST
STA. 10+36.92 TO STA. 18+00.00

NTS
STANDARD
CLEARING AND GRUBBING



TYPICAL SECTION NO. 2
BEACH ST
STA. 18+00.00 TO STA. 19+62.84

NTS

REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

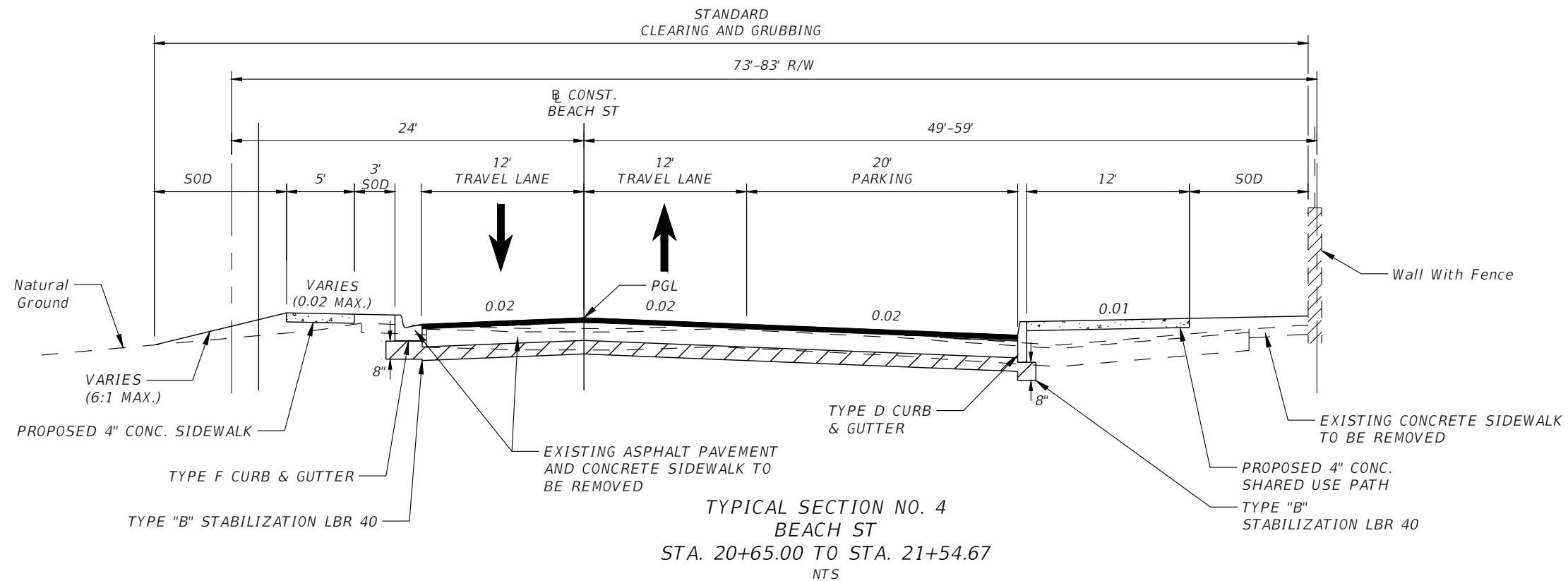
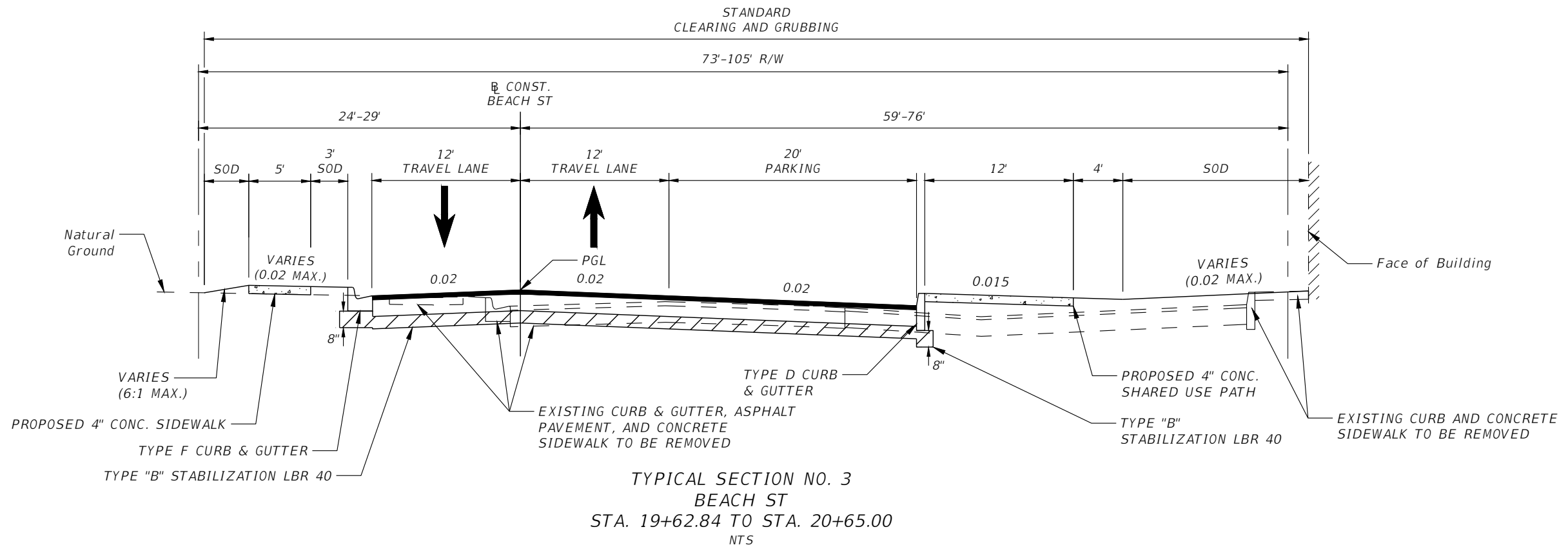
MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
alta
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
www.altaplanning.com
CERTIFICATE OF AUTHORIZATION 31108

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

TYPICAL SECTIONS

SHEET
NO.

6



REVISIONS	
DATE	DESCRIPTION



**CITY OF
 DAYTONA BEACH**

MICHAEL STEVEN REPSCH, P.E.
 P.E. LICENSE NUMBER 79870
alta
 ALTA PLANNING + DESIGN
 524 DATURA STREET, SUITE 216
 WEST PALM BEACH, FL 33401
 CERTIFICATE OF AUTHORIZATION 31108

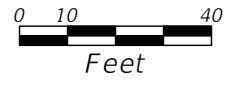
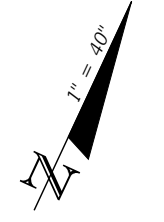
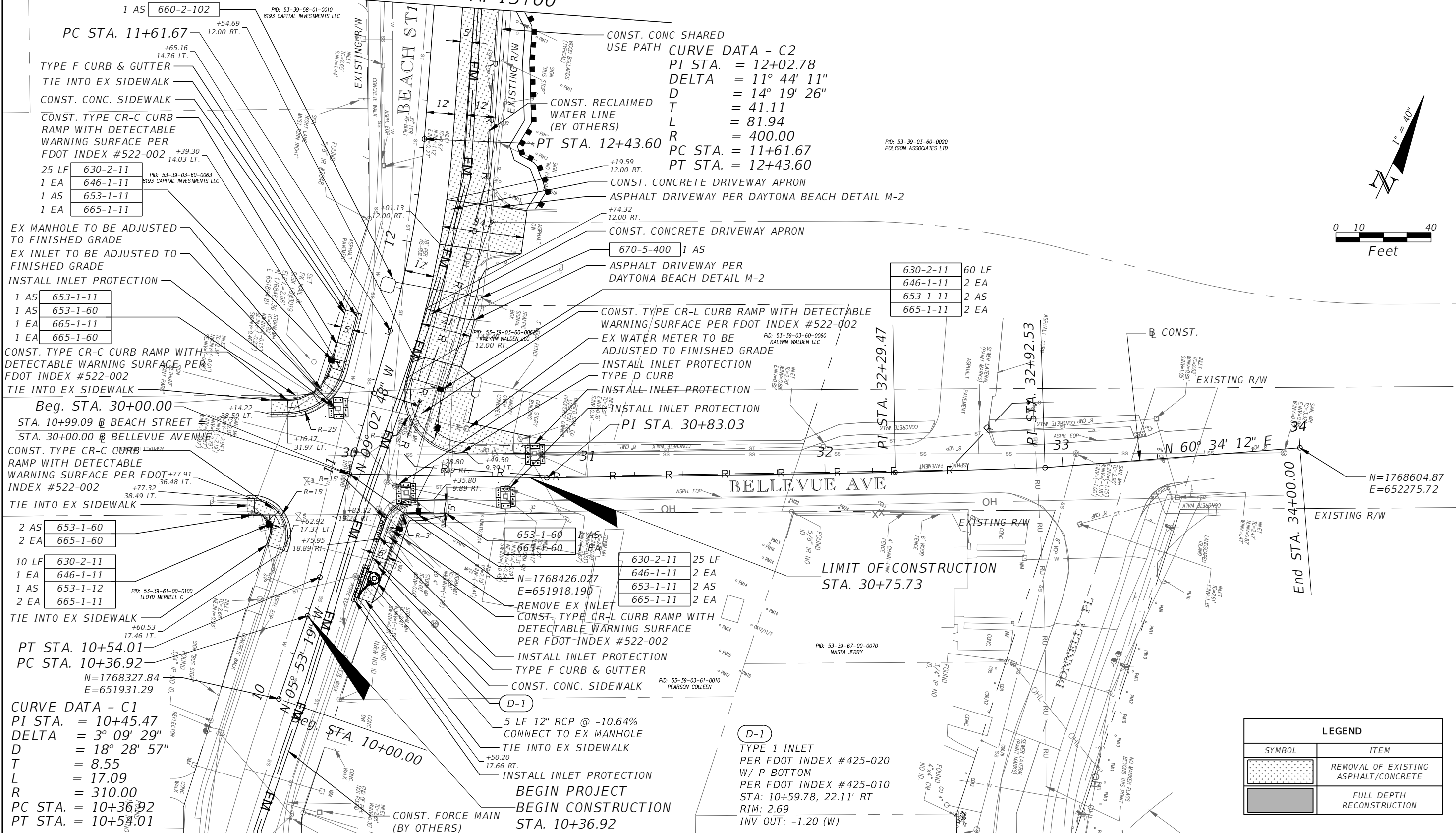
SWEETHEART TRAIL
 (BEACH ST BETWEEN
 BELLEVUE AVE AND MARINA POINT DR)

TYPICAL SECTIONS

SHEET
 NO.
 7

NOTES:
 1. ALL CURB RAMP TO BE CONSTRUCTED WITH DETECTABLE WARNINGS PER FDOT INDEX #522-002.

MATCH LINE STA. 13+00



630-2-11	60 LF
646-1-11	2 EA
653-1-11	2 AS
665-1-11	2 EA

1 AS 660-2-102
 PID: 53-39-58-01-0010
 8193 CAPITAL INVESTMENTS LLC

PC STA. 11+61.67
 +54.69
 12.00 RT.
 +65.16
 14.76 LT.

TYPE F CURB & GUTTER
 TIE INTO EX SIDEWALK
 CONST. CONC. SIDEWALK
 CONST. TYPE CR-C CURB RAMP WITH DETECTABLE WARNING SURFACE PER FDOT INDEX #522-002
 +39.30
 14.03 LT.

25 LF 630-2-11
 1 EA 646-1-11
 1 AS 653-1-11
 1 EA 665-1-11
 PID: 53-39-03-60-0063
 8193 CAPITAL INVESTMENTS LLC

EX MANHOLE TO BE ADJUSTED TO FINISHED GRADE
 EX INLET TO BE ADJUSTED TO FINISHED GRADE
 INSTALL INLET PROTECTION

1 AS 653-1-11
 1 AS 653-1-60
 1 EA 665-1-11
 1 EA 665-1-60

CONST. TYPE CR-C CURB RAMP WITH DETECTABLE WARNING SURFACE PER FDOT INDEX #522-002
 TIE INTO EX SIDEWALK

Beg. STA. 30+00.00
 STA. 10+99.09 @ BEACH STREET
 STA. 30+00.00 @ BELLEVUE AVENUE

CONST. TYPE CR-C CURB RAMP WITH DETECTABLE WARNING SURFACE PER FDOT INDEX #522-002
 +77.91
 36.48 LT.
 +77.32
 38.49 LT.

TIE INTO EX SIDEWALK

2 AS 653-1-60
 2 EA 665-1-60

10 LF 630-2-11
 1 EA 646-1-11
 1 AS 653-1-12
 2 EA 665-1-11
 PID: 53-39-61-00-0100
 LLOYD MERRELL C

PT STA. 10+54.01
 PC STA. 10+36.92
 N=1768327.84
 E=651931.29

CURVE DATA - C1
 PI STA. = 10+45.47
 DELTA = 3° 09' 29"
 D = 18° 28' 57"
 T = 8.55
 L = 17.09
 R = 310.00
 PC STA. = 10+36.92
 PT STA. = 10+54.01

REVISIONS

DATE	DESCRIPTION



CITY OF DAYTONA BEACH

MICHAEL STEVEN REPSCH, P.E.
 P.E. LICENSE NUMBER 79870
 ALTA PLANNING + DESIGN
 524 DATURA STREET, SUITE 216
 WEST PALM BEACH, FL 33401
 CERTIFICATE OF AUTHORIZATION 31108



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

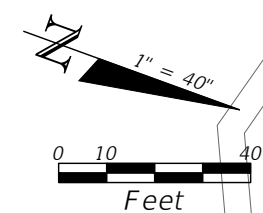
ROADWAY PLAN SHEET

SHEET NO.
 9

LEGEND	
SYMBOL	ITEM
	REMOVAL OF EXISTING ASPHALT/CONCRETE
	FULL DEPTH RECONSTRUCTION

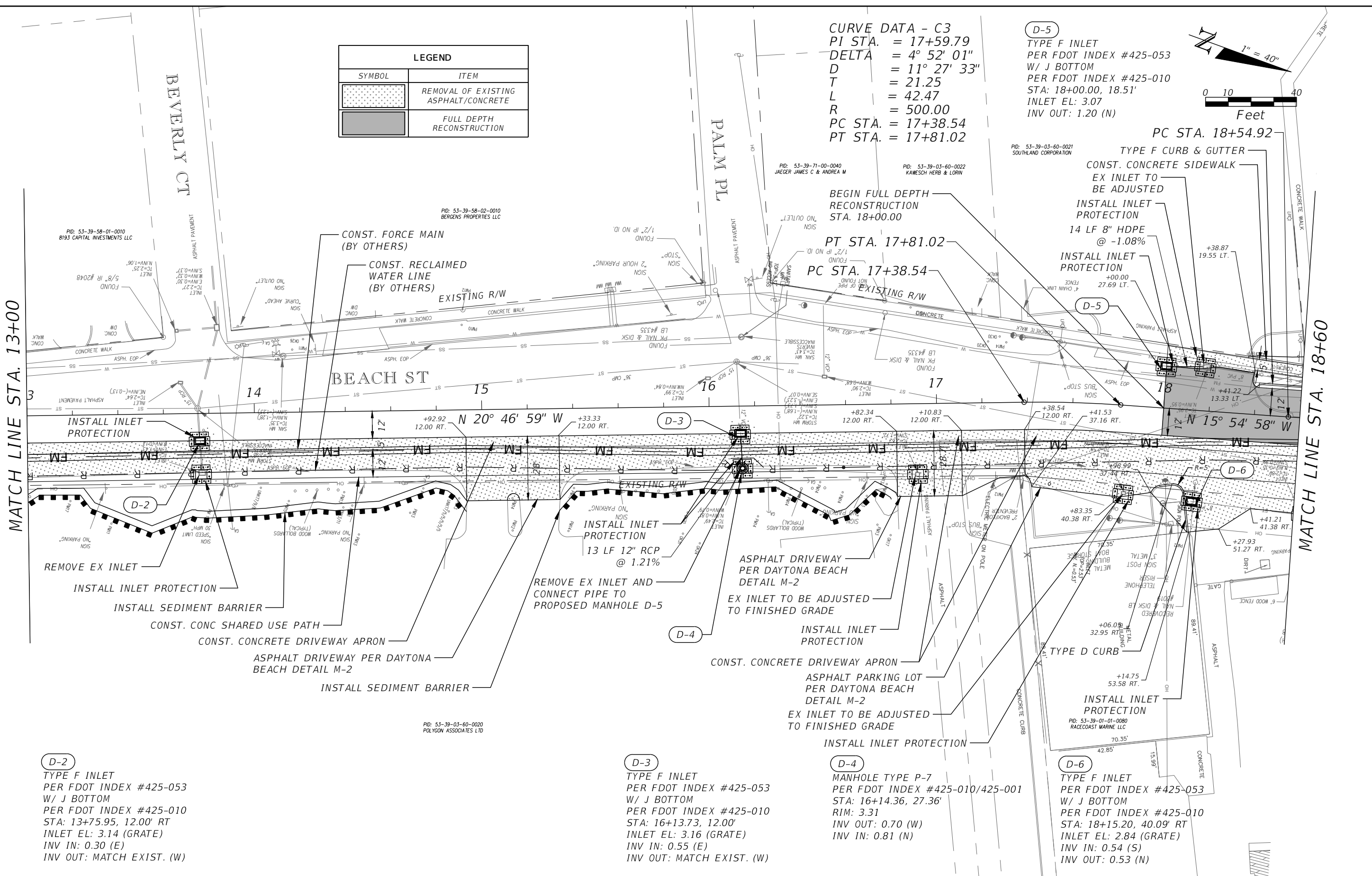
CURVE DATA - C3
 PI STA. = 17+59.79
 DELTA = 4° 52' 01"
 D = 11° 27' 33"
 T = 21.25
 L = 42.47
 R = 500.00
 PC STA. = 17+38.54
 PT STA. = 17+81.02

D-5
 TYPE F INLET
 PER FDOT INDEX #425-053
 W/ J BOTTOM
 PER FDOT INDEX #425-010
 STA: 18+00.00, 18.51'
 INLET EL: 3.07
 INV OUT: 1.20 (N)



MATCH LINE STA. 13+00

MATCH LINE STA. 18+60



D-2
 TYPE F INLET
 PER FDOT INDEX #425-053
 W/ J BOTTOM
 PER FDOT INDEX #425-010
 STA: 13+75.95, 12.00' RT
 INLET EL: 3.14 (GRATE)
 INV IN: 0.30 (E)
 INV OUT: MATCH EXIST. (W)

D-3
 TYPE F INLET
 PER FDOT INDEX #425-053
 W/ J BOTTOM
 PER FDOT INDEX #425-010
 STA: 16+13.73, 12.00'
 INLET EL: 3.16 (GRATE)
 INV IN: 0.55 (E)
 INV OUT: MATCH EXIST. (W)

D-4
 MANHOLE TYPE P-7
 PER FDOT INDEX #425-010/425-001
 STA: 16+14.36, 27.36'
 RIM: 3.31
 INV OUT: 0.70 (W)
 INV IN: 0.81 (N)

D-6
 TYPE F INLET
 PER FDOT INDEX #425-053
 W/ J BOTTOM
 PER FDOT INDEX #425-010
 STA: 18+15.20, 40.09' RT
 INLET EL: 2.84 (GRATE)
 INV IN: 0.54 (S)
 INV OUT: 0.53 (N)

REVISIONS	
DATE	DESCRIPTION



CITY OF DAYTONA BEACH

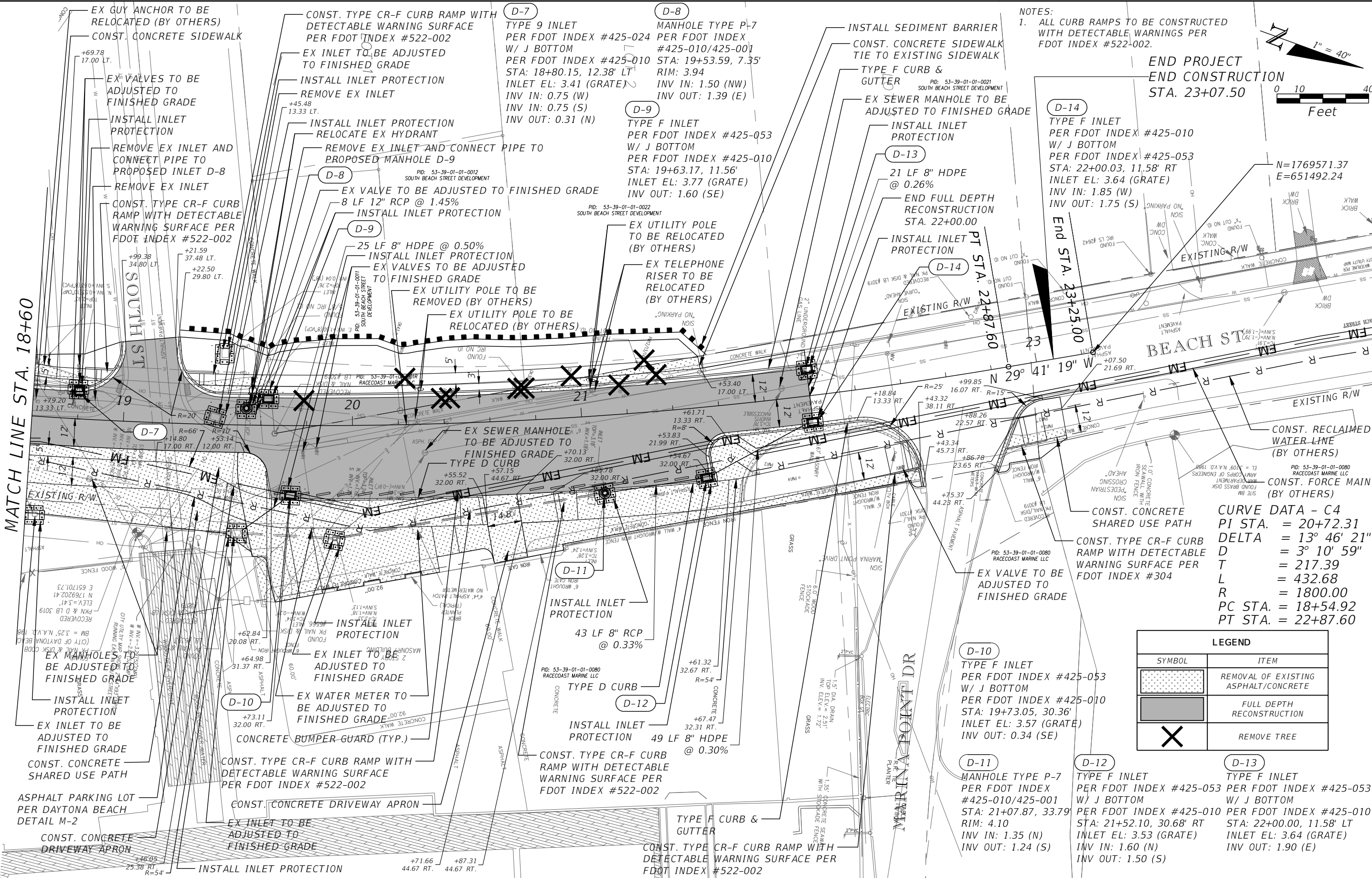
MICHAEL STEVEN REPSCH, P.E.
 P.E. LICENSE NUMBER 79870
 ALTA PLANNING + DESIGN
 524 DATURA STREET, SUITE 216
 WEST PALM BEACH, FL 33401
 CERTIFICATE OF AUTHORIZATION 31108



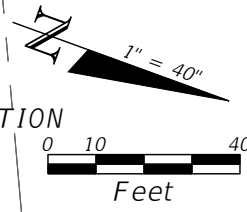
SWEETHEART TRAIL
 (BEACH ST BETWEEN
 BELLEVUE AVE AND MARINA POINT DR)

ROADWAY PLAN SHEET

SHEET NO.
 10



NOTES:
 1. ALL CURB RAMPS TO BE CONSTRUCTED WITH DETECTABLE WARNINGS PER FDOT INDEX #522-002.



END PROJECT
 END CONSTRUCTION
 STA. 23+07.50

N=1769571.37
 E=651492.24

CURVE DATA - C4
 PI STA. = 20+72.31
 DELTA = 13° 46' 21"
 T = 3° 10' 59"
 D = 217.39
 L = 432.68
 R = 1800.00
 PC STA. = 18+54.92
 PT STA. = 22+87.60

LEGEND	
SYMBOL	ITEM
	REMOVAL OF EXISTING ASPHALT/CONCRETE
	FULL DEPTH RECONSTRUCTION
	REMOVE TREE

D-10
 TYPE F INLET
 PER FDOT INDEX #425-053
 W/ J BOTTOM
 PER FDOT INDEX #425-010
 STA: 19+73.05, 30.36'
 INLET EL: 3.57 (GRATE)
 INV OUT: 0.34 (SE)

D-11
 MANHOLE TYPE P-7
 PER FDOT INDEX #425-010/425-001
 STA: 21+07.87, 33.79'
 RIM: 4.10
 INV IN: 1.35 (N)
 INV OUT: 1.24 (S)

D-12
 TYPE F INLET
 PER FDOT INDEX #425-053
 W/ J BOTTOM
 PER FDOT INDEX #425-010
 STA: 21+52.10, 30.68' RT
 INLET EL: 3.53 (GRATE)
 INV IN: 1.60 (N)
 INV OUT: 1.50 (S)

D-13
 TYPE F INLET
 PER FDOT INDEX #425-053
 W/ J BOTTOM
 PER FDOT INDEX #425-010
 STA: 22+00.00, 11.58' LT
 INLET EL: 3.64 (GRATE)
 INV OUT: 1.90 (E)

REVISIONS	
DATE	DESCRIPTION



CITY OF
 DAYTONA BEACH

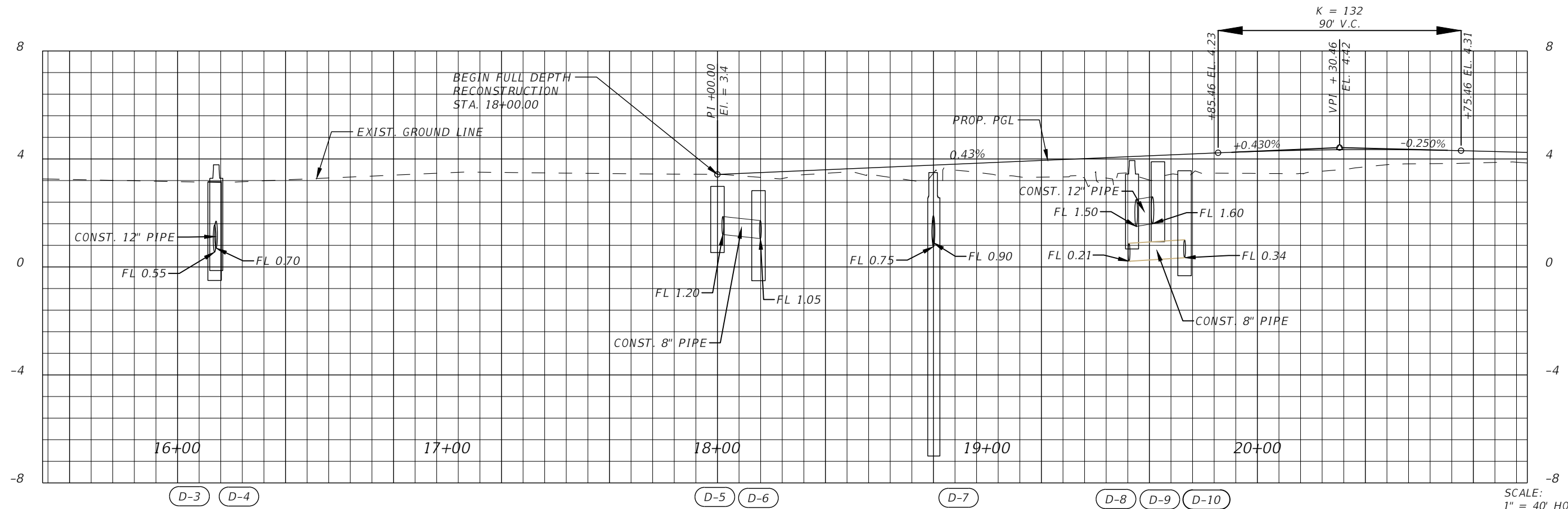
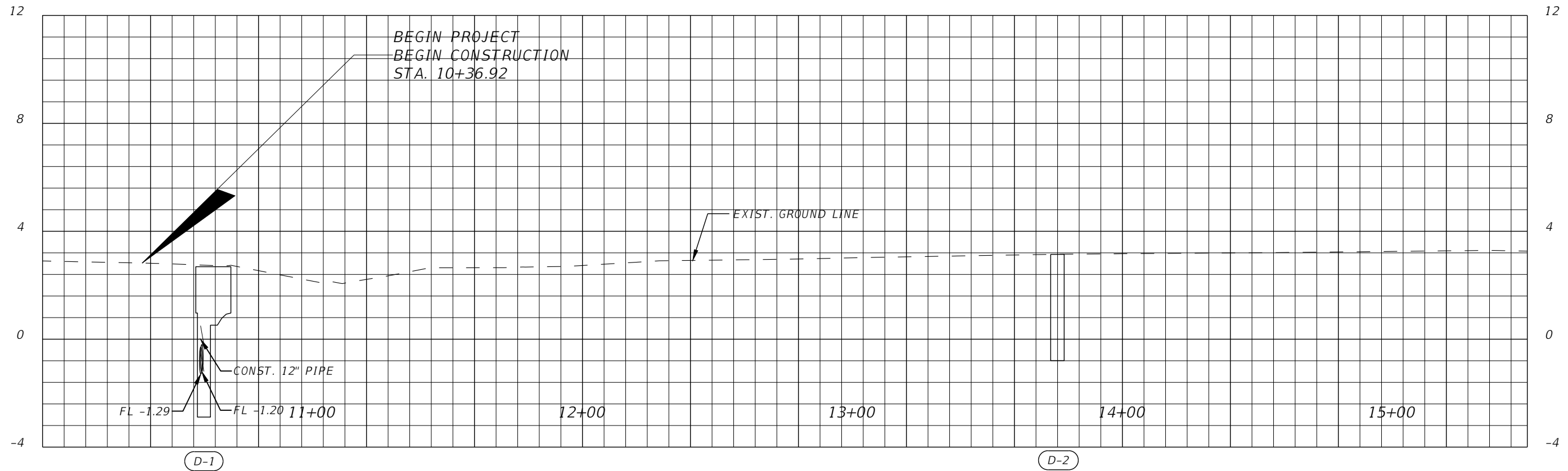
MICHAEL STEVEN REPSCH, P.E.
 P.E. LICENSE NUMBER 79870
 ALTA PLANNING + DESIGN
 524 DATURA STREET, SUITE 216
 WEST PALM BEACH, FL 33401
 CERTIFICATE OF AUTHORIZATION 31108



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

ROADWAY PLAN SHEET

SHEET NO.
 11



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

REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

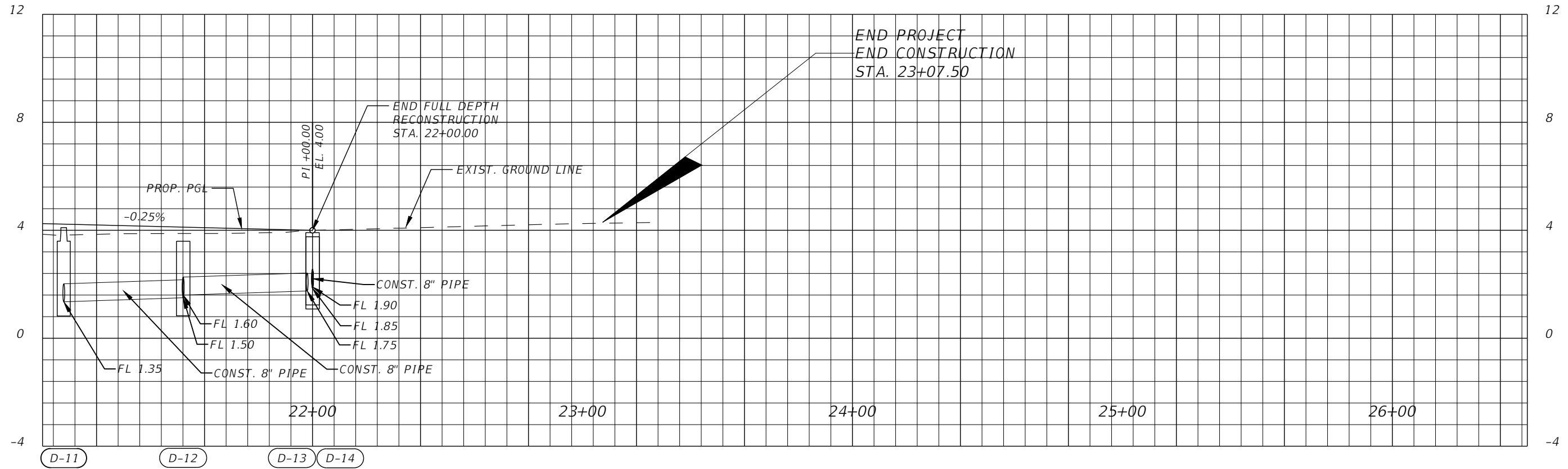
MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



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

ROADWAY PROFILE SHEET

SHEET
NO.
12



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

REVISIONS	
DATE	DESCRIPTION



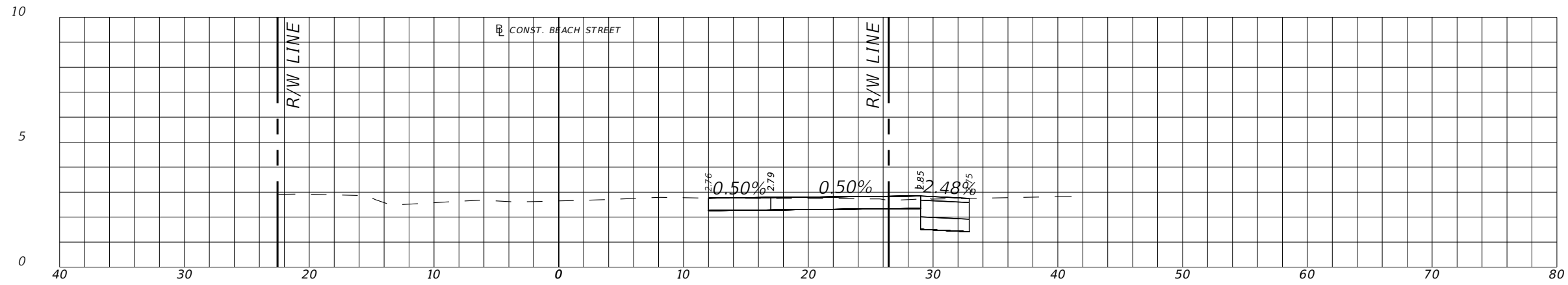
**CITY OF
 DAYTONA BEACH**

MICHAEL STEVEN REPSCH, P.E.
 P.E. LICENSE NUMBER 79870
alta
 ALTA PLANNING + DESIGN
 524 DATURA STREET, SUITE 216
 WEST PALM BEACH, FL 33401
 CERTIFICATE OF AUTHORIZATION 31108

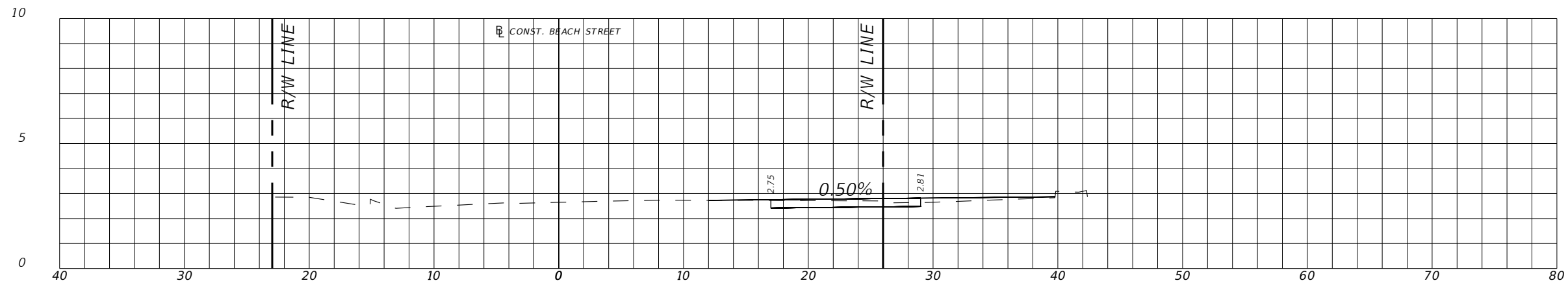
SWEETHEART TRAIL
 (BEACH ST BETWEEN
 BELLEVUE AVE AND MARINA POINT DR)

ROADWAY PROFILE SHEET

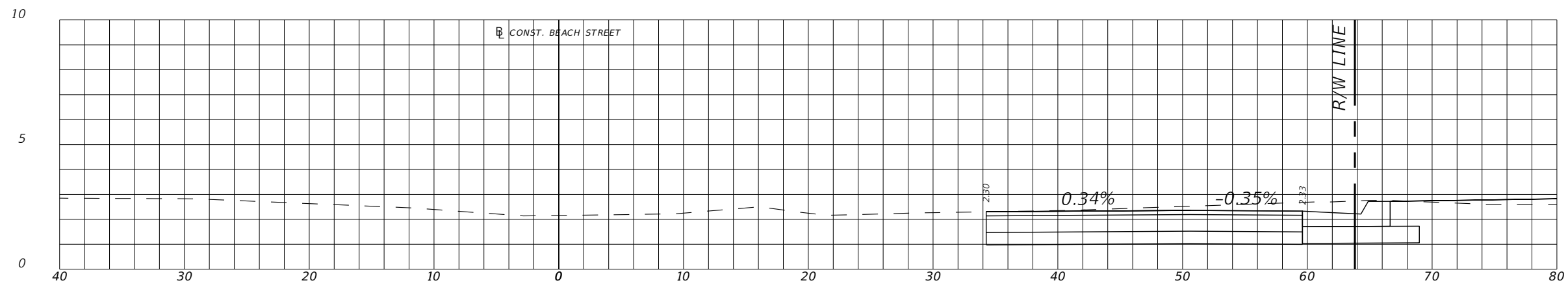
SHEET
 NO.
 13



11+65.00



11+50.00



11+00.00

REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108

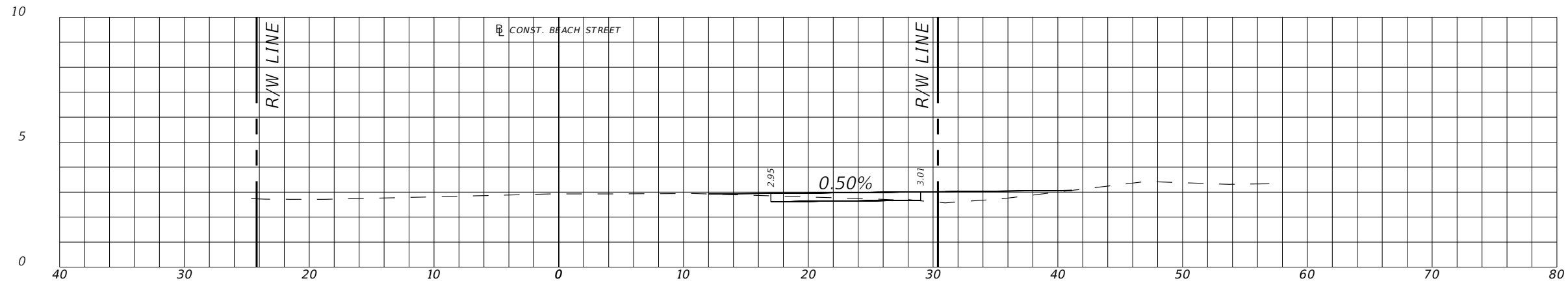


SWEETHEART TRAIL
(BEACH ST BETWEEN
BELLEVUE AVE AND MARINA POINT DR)

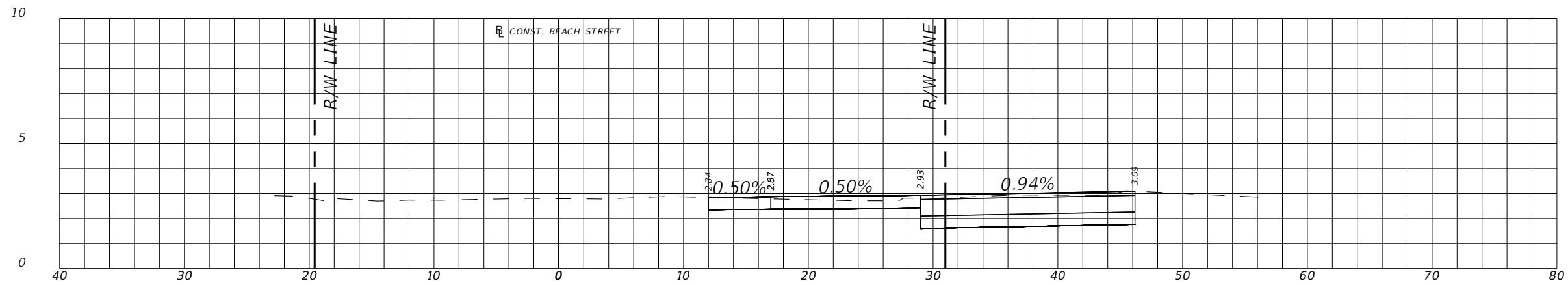
CROSS SECTIONS

SHEET
NO.

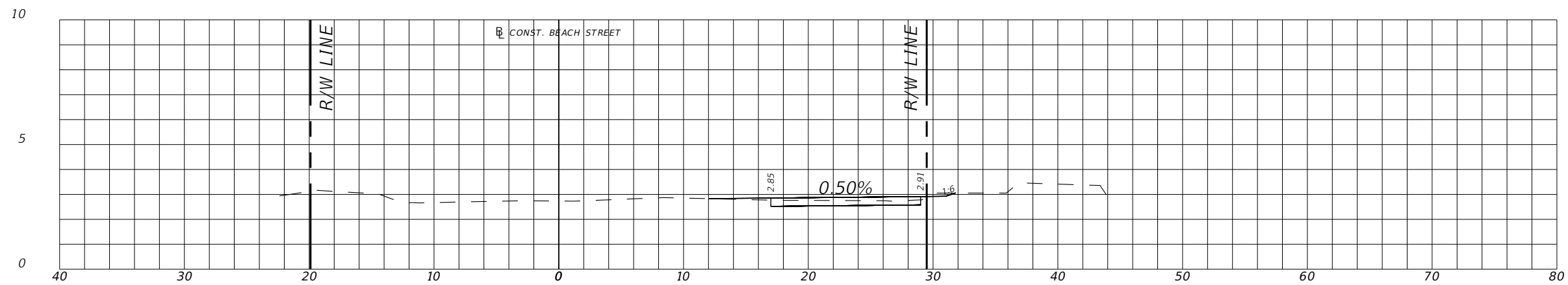
14



12+50.00



12+10.00



12+00.00

REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

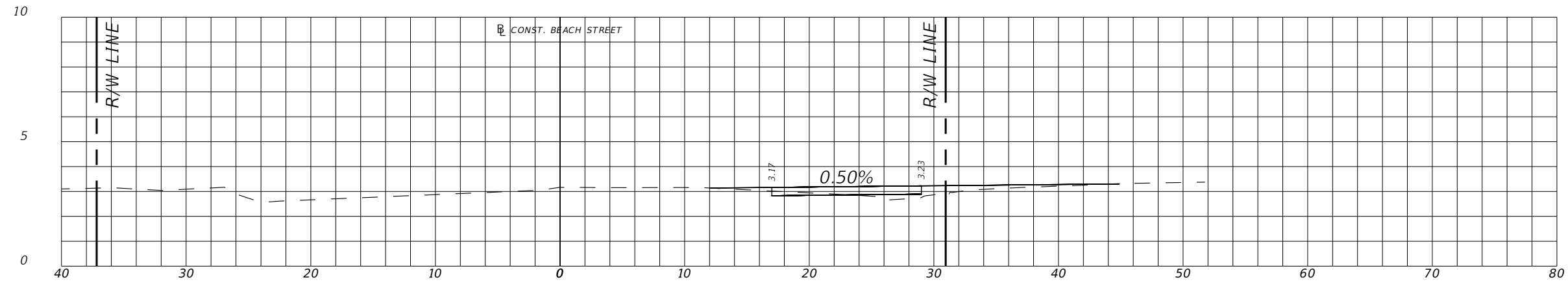
MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



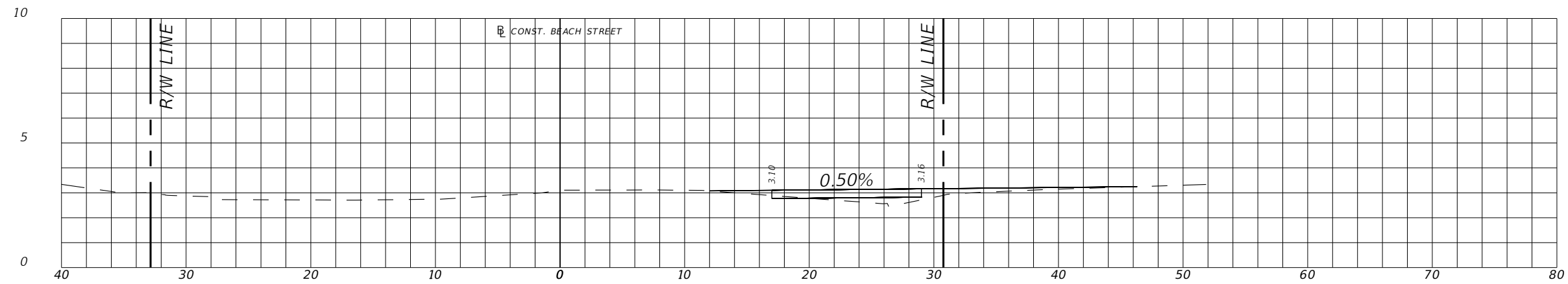
SWEETHEART TRAIL
(BEACH ST BETWEEN
BELLEVUE AVE AND MARINA POINT DR)

CROSS SECTIONS

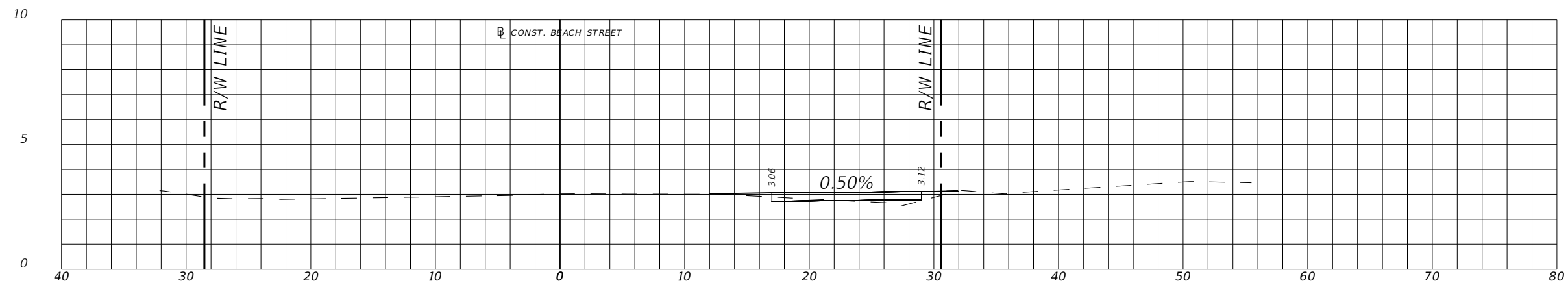
SHEET
NO.
15



14+00.00



13+50.00



13+00.00

REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

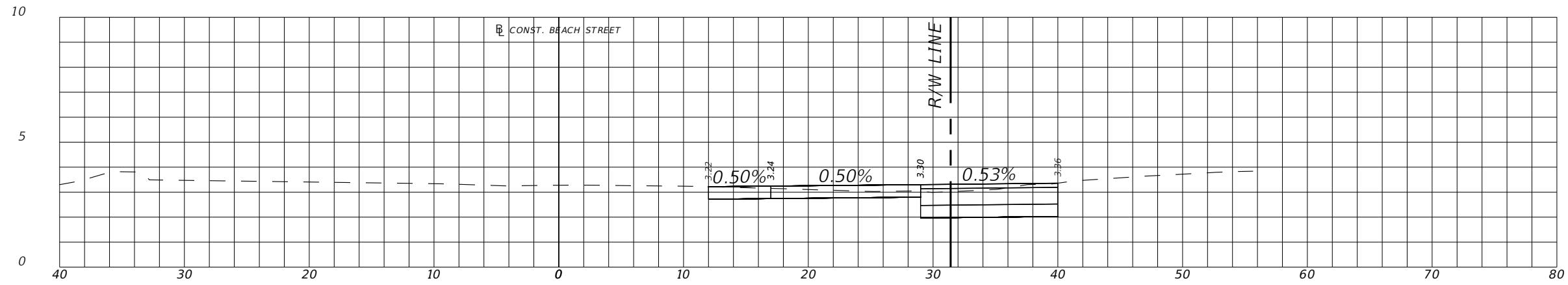
MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



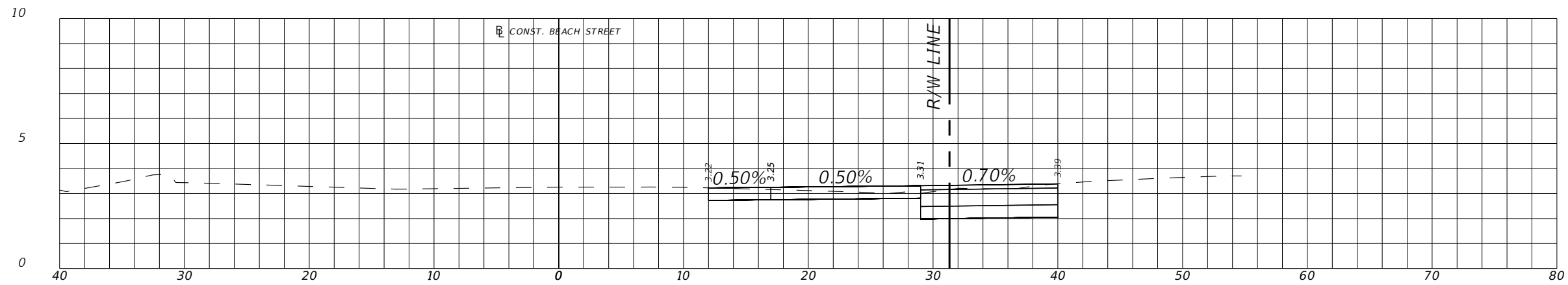
SWEETHEART TRAIL
(BEACH ST BETWEEN
BELLEVUE AVE AND MARINA POINT DR)

CROSS SECTIONS

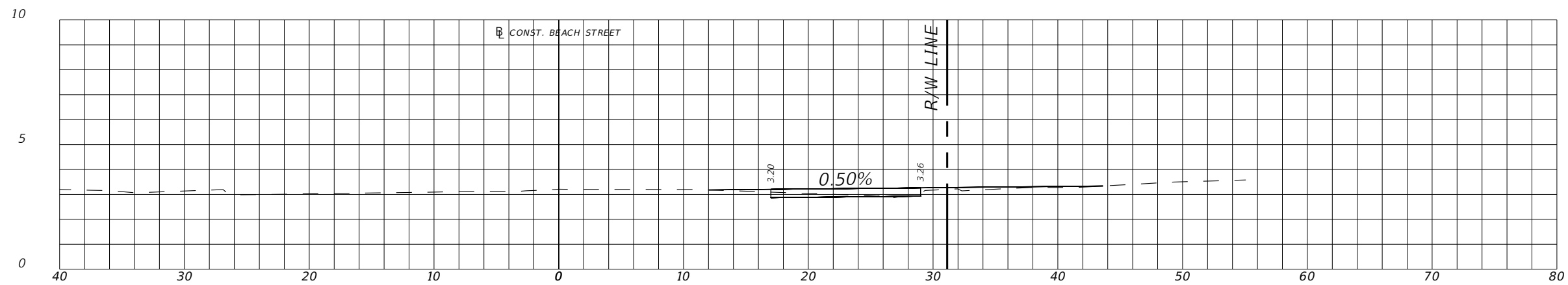
SHEET
NO.
16



15+25.00



15+00.00



14+50.00

REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108

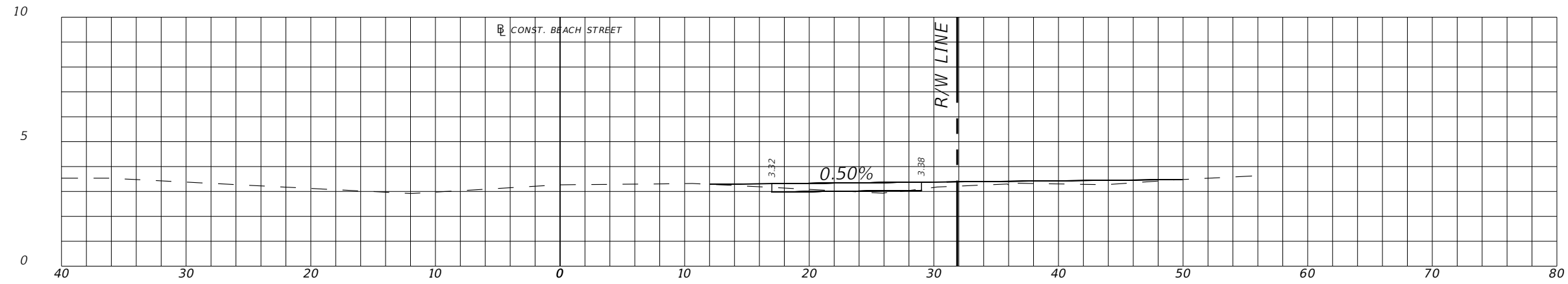


SWEETHEART TRAIL
(BEACH ST BETWEEN
BELLEVUE AVE AND MARINA POINT DR)

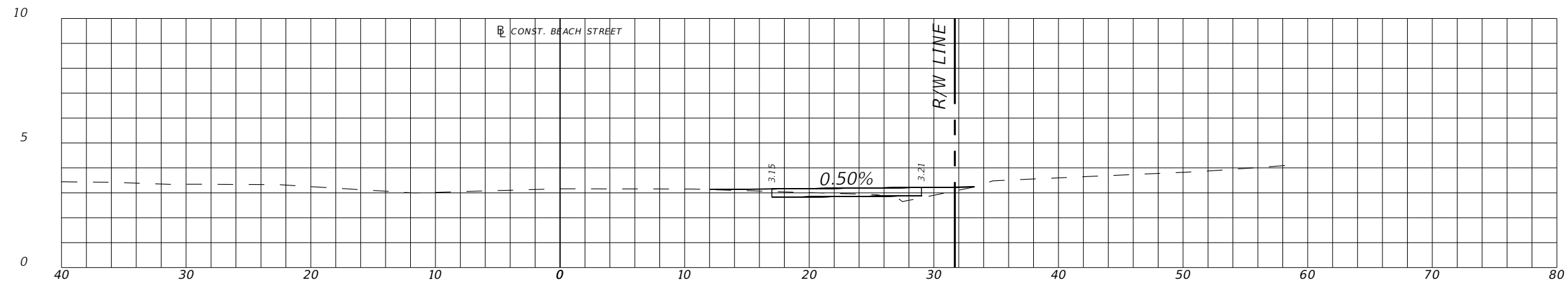
CROSS SECTIONS

SHEET
NO.

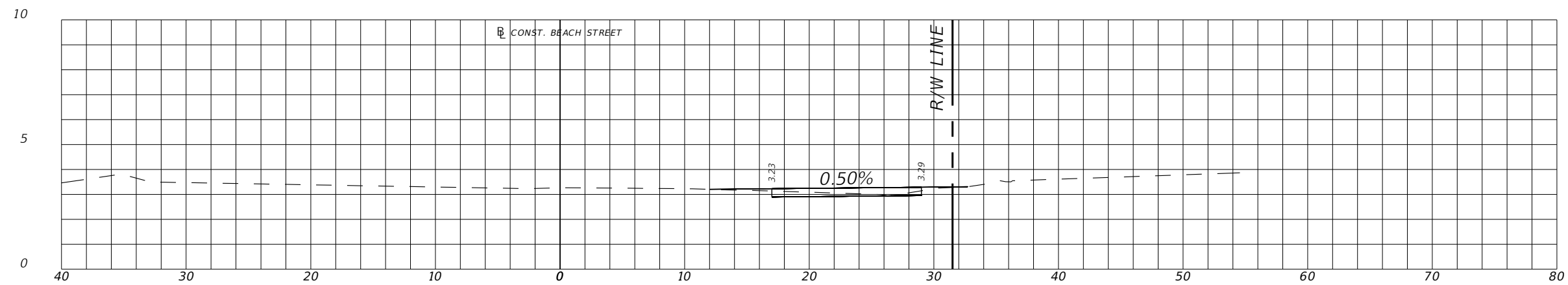
17



16+50.00



16+00.00



15+50.00

REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

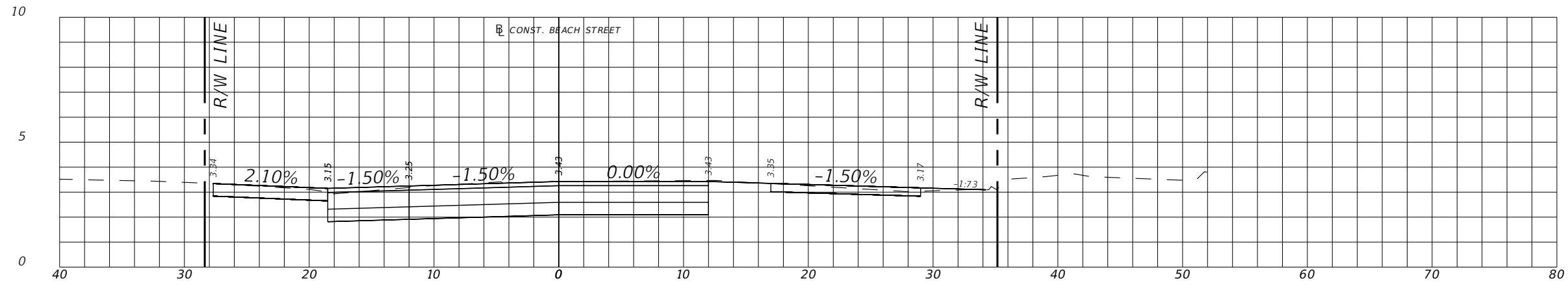
MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



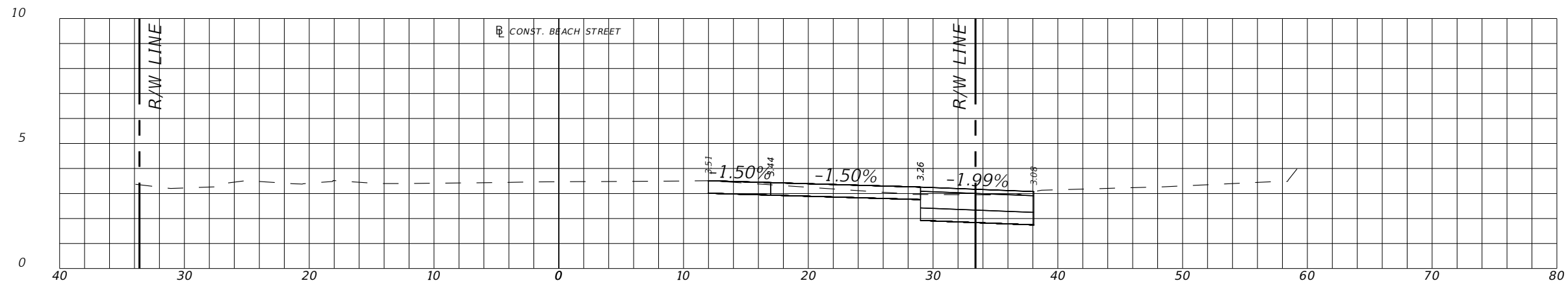
SWEETHEART TRAIL
(BEACH ST BETWEEN
BELLEVUE AVE AND MARINA POINT DR)

CROSS SECTIONS

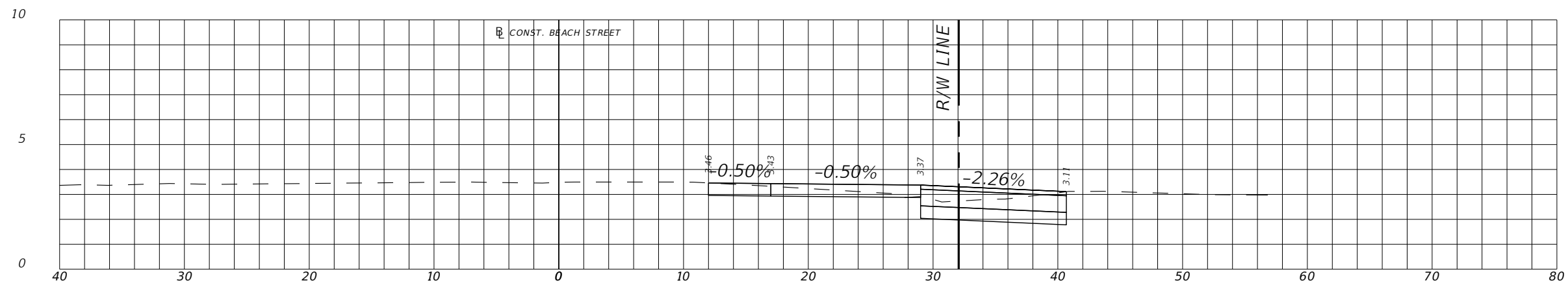
SHEET
NO.
18



18+00.00



17+50.00



17+00.00

REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

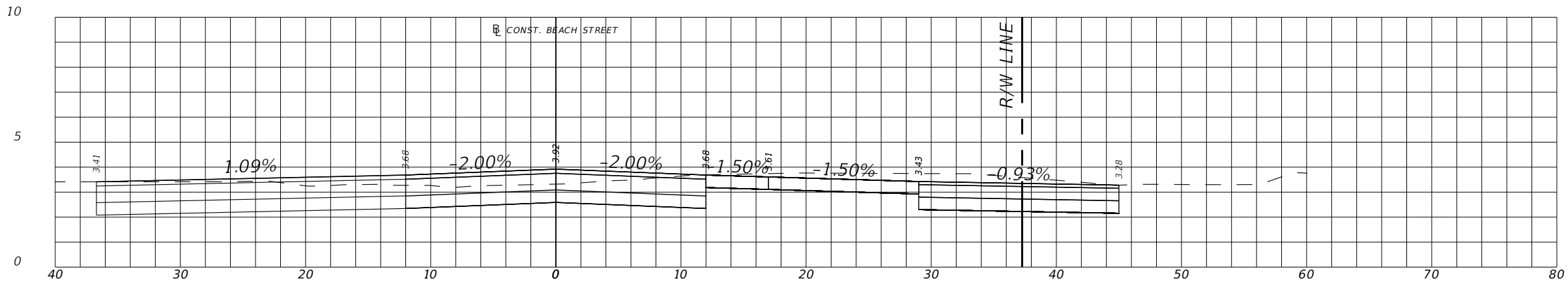
MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



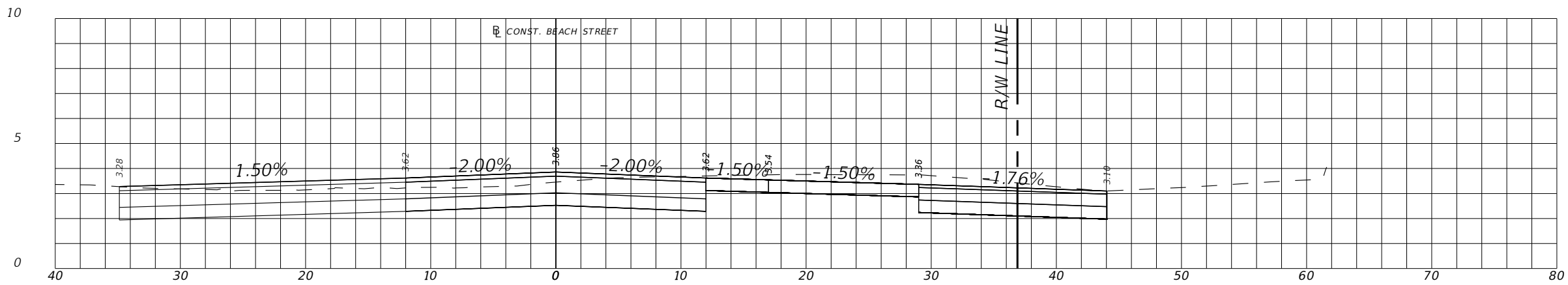
SWEETHEART TRAIL
(BEACH ST BETWEEN
BELLEVUE AVE AND MARINA POINT DR)

CROSS SECTIONS

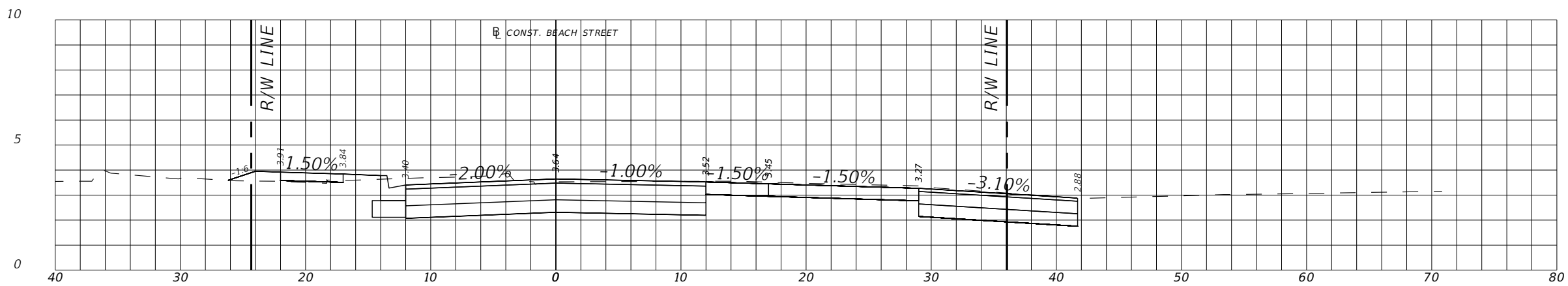
SHEET
NO.
19



19+15.00



19+00.00



18+50.00

REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

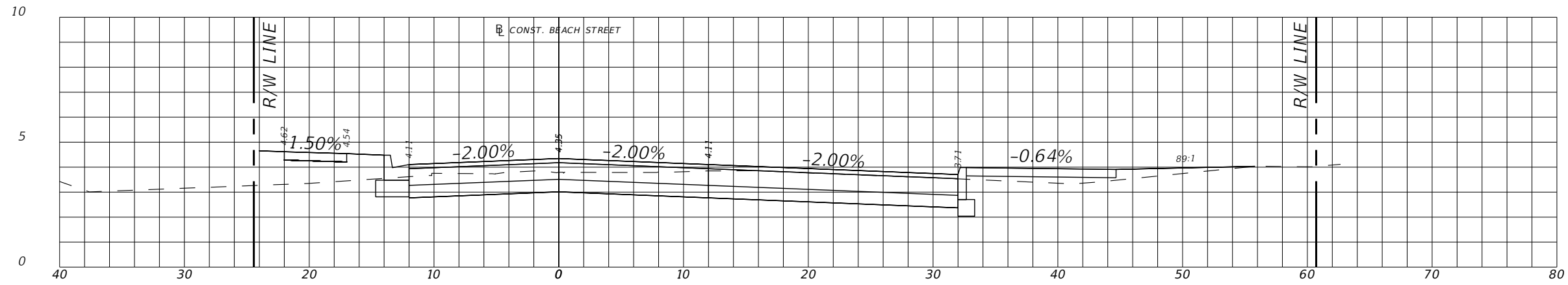
MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



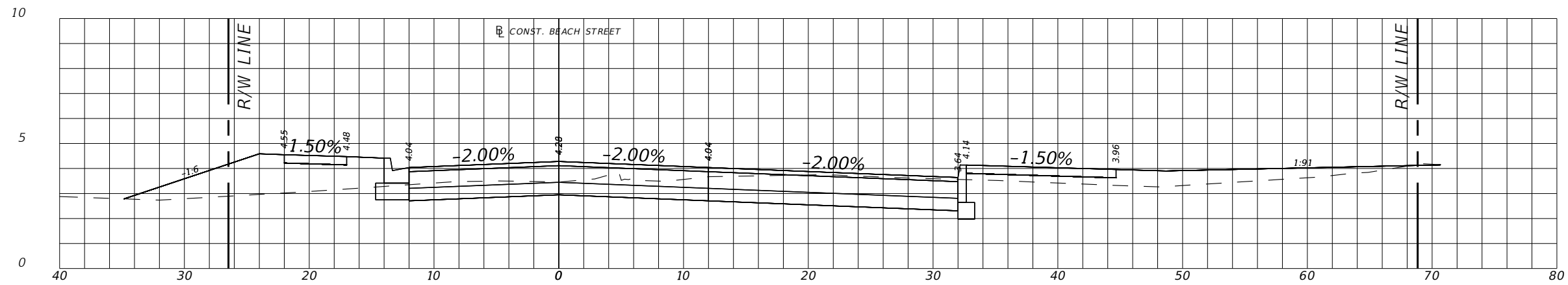
SWEETHEART TRAIL
(BEACH ST BETWEEN
BELLEVUE AVE AND MARINA POINT DR)

CROSS SECTIONS

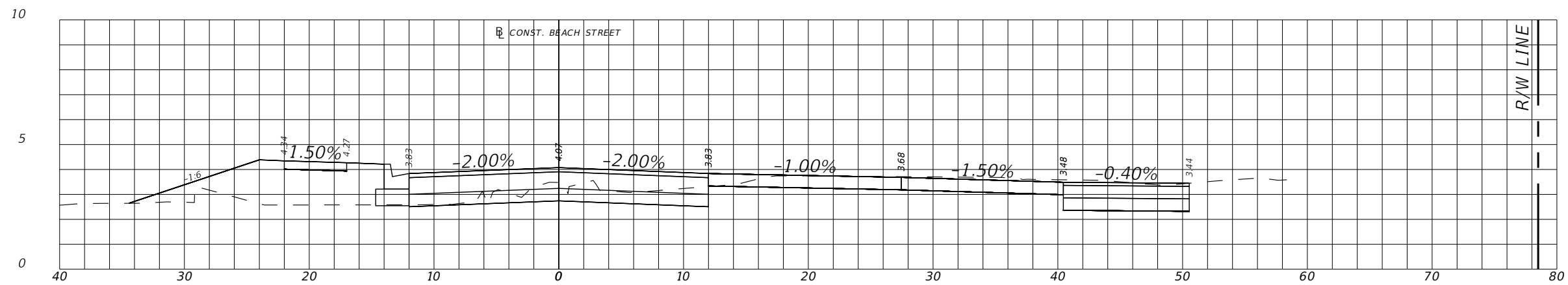
SHEET
NO.
20



20+50.00



20+00.00



19+50.00

REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

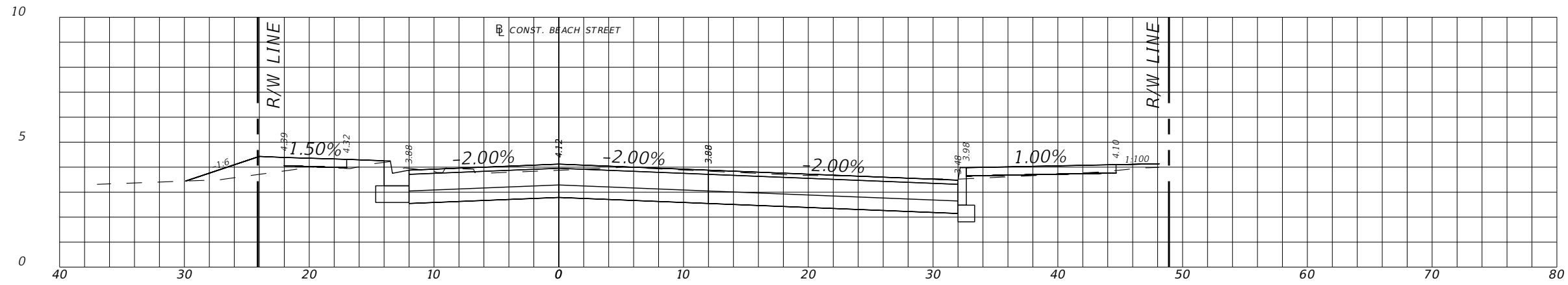
MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



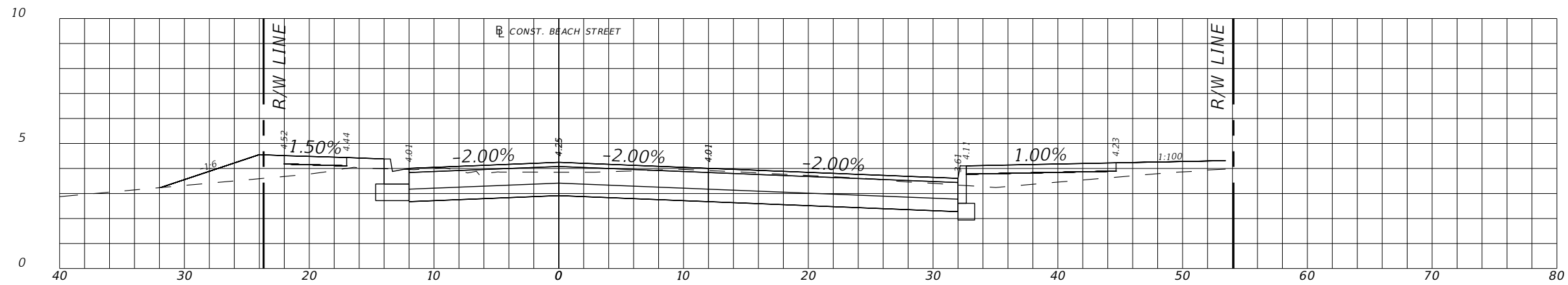
SWEETHEART TRAIL
(BEACH ST BETWEEN
BELLEVUE AVE AND MARINA POINT DR)

CROSS SECTIONS

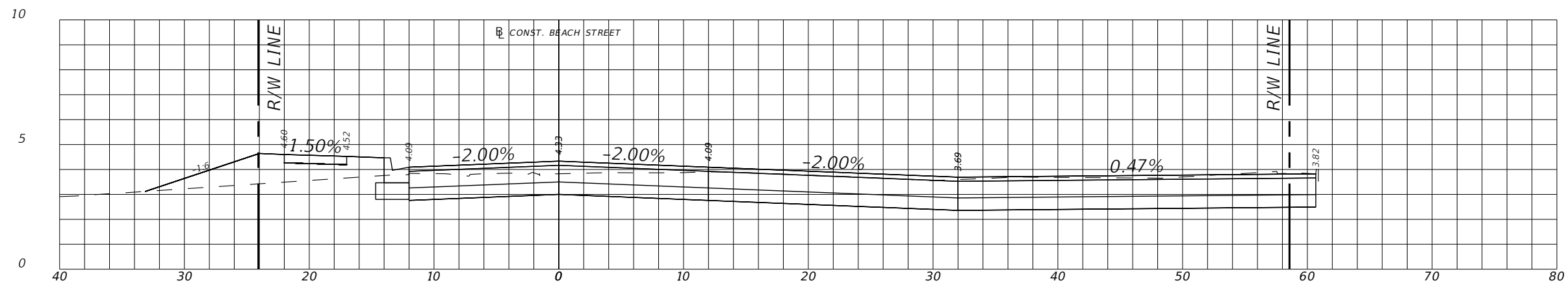
SHEET
NO.
21



21+50.00



21+00.00



20+65.00

REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

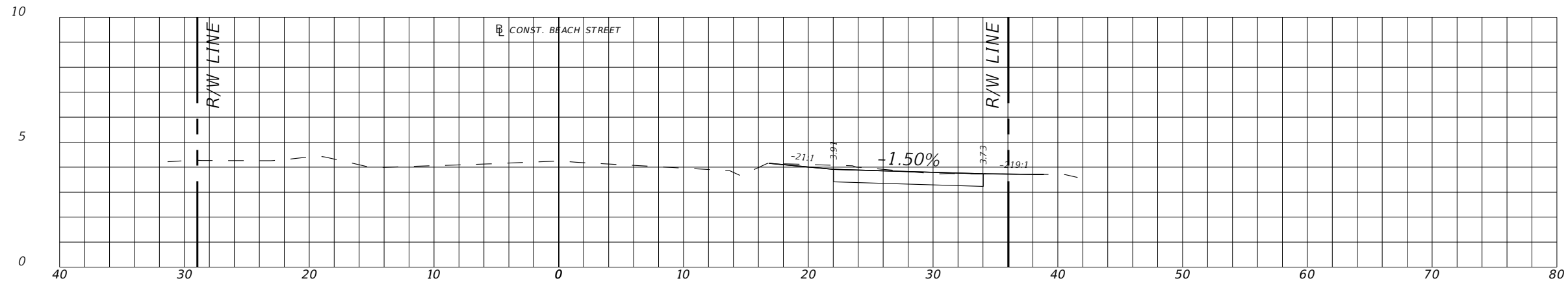
MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



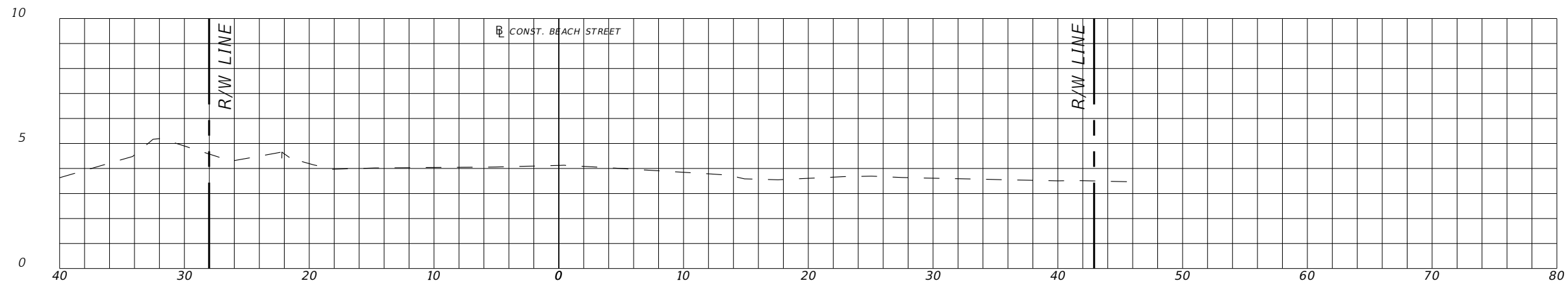
SWEETHEART TRAIL
(BEACH ST BETWEEN
BELLEVUE AVE AND MARINA POINT DR)

CROSS SECTIONS

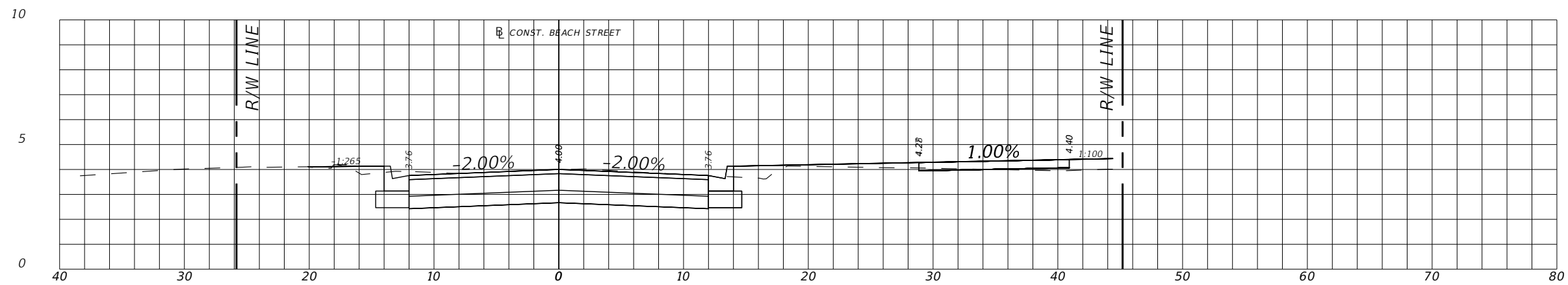
SHEET
NO.
22



23+00.00



22+50.00



22+00.00

REVISIONS	
DATE	DESCRIPTION



CITY OF
DAYTONA BEACH

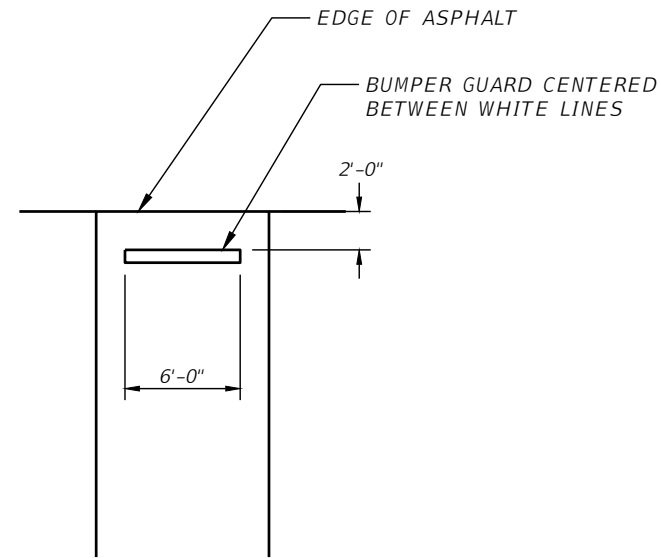
MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



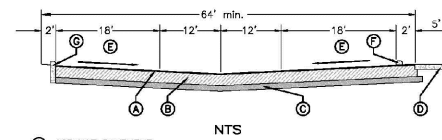
SWEETHEART TRAIL
(BEACH ST BETWEEN
BELLEVUE AVE AND MARINA POINT DR)

CROSS SECTIONS

SHEET
NO.
23



CONCRETE BUMPER GUARD



- NTS
- Ⓐ ASPHALT PAVEMENT:
1-3/4" 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-S, JANUARY 2019
 - Ⓑ BASE:
8" min. RECYCLED CONCRETE BASE (LBR 130) COMPACTED TO 98%
DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST.

ALTERNATE 1:
8" min. ASPHALT BASE MINIMUM BEARING (LBR 100) COMPACTED TO
98% DENSITY BASED ON AASHTO T-180 MODIFIED PROCTOR TEST.

ALTERNATE 2:
8" min. LIMESTONE 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.
 - Ⓒ SUB-GRADE:
8" min. SUB-BASE COMPACTED TO 98% DENSITY BASED ON AASHTO
T-180 MODIFIED PROCTOR TEST WITH MINIMUM LBR 40.
 - Ⓓ CONCRETE SIDEWALK 5'-0" min. WIDTH, 6" min. THICK, 3400 P.S.I. @ 28
DAYS.
 - Ⓔ THE MINIMUM ALLOWABLE PARKING LOT PAVEMENT SLOPE FOR ASPHALT
SHALL BE NO LESS THAN 0.8% MEASURED FROM THE RECEIVING INLET OR
FLUME TO ANY PAVEMENT. (NOTE THAT THE MINIMUM SLOPE MAY BE
REDUCED TO 0.50% FOR CONCRETE PAVEMENT.)
 - Ⓕ CONCRETE WHEEL STOP (IF APPLICABLE).
 - Ⓖ 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-8

Drawing Date:	06/20/20
Checked By:	
Drawn By:	
Scale:	1"=1'-0"
Project No.:	2019-0001
File Name:	10-1

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.

1. 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.
2. Elevations shall be referenced to NVD 1988 Data. As-Built survey information shall be referenced to a least two Florida State Plane east coordinates NAD 83.
3. Benchmark Datum utilizes monumentation from the North American Vertical Datum of 1929 with elevations adjusted to NVD 1988 data. Any NVD '929 monument within the limits of construction is to be protected.
4. Show the location of all right of way or easement lines, clearly labeled.
5. Note any changes to the alignment, either vertically or horizontally, of curb & gutter, trail, sidewalk, or any other surface improvement.
6. Provide trail edge (both sides) spot elevations approximately on 20-foot stations, or as field conditions warrant.
7. Typical ramp or curb opening installation details that deviate from original plans shall be noted on as-built drawings.
8. Specific detail drawings will be required where installations were not as shown on original drawings due to field conditions or where required for clarity.
9. Show the location of all structures within trail, e.g. manhole covers, meter covers, etc.
10. 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. Whenever possible, contour lines shall be utilized to graphically describe these topographic features.
11. 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 top-of-bank with side slopes indicated. Separate calculations shall be submitted to indicate required and provided retention volumes.
12. Show the location of all obstructions within 3 ft. of trail edge and all man made features within trail property/assessment.
13. Locate and describe a 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 Date:	06/20/20
Checked By:	
Drawn By:	
Scale:	1"=1'-0"
Project No.:	2019-0001
File Name:	10-11

REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
alta
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108




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

DETAIL SHEET

SHEET
NO.
24


<p><u>SITE DESCRIPTION</u></p>	<p><u>STORMWATER MANAGEMENT</u></p>	<p><u>SPILL PREVENTION AND CONTROL</u></p>	<p><u>MAINTENANCE AND INSPECTION PRACTICES, CONT.</u></p>																		
<p><u>PROJECT NAME AND LOCATION</u></p> <p>SWEETHEART TRAIL (BEACH ST BETWEEN BELLEVUE AVE AND CEDAR ST) FPID: 439868-1-54-01 CITY OF DAYTONA BEACH VOLUSIA COUNTY, FL</p>	<p>UNDER PRESENT CONDITIONS, STORM WATER RUNOFF WITHIN THE PROJECT CORRIDOR FLOWS OVERLAND INTO AN OPEN CHANNEL SYSTEM JUST UPSTREAM OF THE SYSTEM'S DIRECT DISCHARGE TO THE HALIFAX RIVER. IN PROPOSED CONDITIONS, ROADSIDE SWALES AND LOCAL DEPRESSIONAL AREAS WILL BE CREATED WHICH WILL RECEIVE AND STORE SMALL AMOUNTS OF RUNOFF, SUCH THAT EXISTING DRAINAGE PATTERNS ARE MAINTAINED.</p>	<p>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.</p>	<p>-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.</p>																		
<p>*SEE COVER SHEET FOR LOCATION MAP</p>	<p><u>STABILIZATION PRACTICES:</u></p>	<p><u>GOOD HOUSEKEEPING</u></p>																			
<p><u>PROJECT OWNER AND ADDRESS</u></p> <p>CITY OF DAYTONA BEACH 301 S. RIDGEWOOD AVE DAYTONA BEACH, FL 32114</p>	<p>TEMPORARY STABILIZATION - NO TEMPORARY STABILIZATION IS ANTICIPATED TO BE REQUIRED.</p> <p>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.</p>	<p>-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.</p>																			
<p><u>PROJECT DESCRIPTION</u></p> <p>THE PROJECT CONSISTS OF CONSTRUCTION 0.225 MILES OF PROPOSED CONCRETE GREENWAY AND 0.076 MILES OF FULL DEPTH RECONSTRUCTION WITH MINIMAL DISTURBANCE OF SURROUNDING AREA. REQUIRED DRAINAGE DESIGN IS LIMITED TO GRADING AND DRAINAGE TO MAINTAIN THE EXISTING CONDITIONS.</p>	<p><u>WASTE DISPOSAL</u></p> <p>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.</p>	<p><u>HAZARDOUS PRODUCTS</u></p> <p>-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.</p>																			
<p>PROJECT AREA: 1.054 ACRES (RIGHT OF WAY) TOTAL DISTURBED AREA: 1.223 ACRES</p>																					
<p>ULTIMATE RECEIVING WATERS: HALIFAX RIVER</p>																					
<p><u>ACTIVITIES THAT REQUIRE EROSION CONTROL</u></p>																					
<p>CLEARING AND GRUBBING; GRADING</p>																					
<p>*SEE PLANS FOR THE LOCATION OF TEMPORARY SEDIMENT BARRIERS AND OTHER EROSION CONTROL METHODS.</p>																					
<p><u>SOIL PARAMETERS</u></p>																					
<p>TURNBULL VARIANT SAND 68</p>																					
<p><u>CERTIFICATION OF LOCAL, STATE AND FEDERAL LAWS</u></p>																					
<p>THE FOLLOWING REQUIRED PERMITS ARE BEING OBTAINED:</p>																					
<p>EXEMPTION FROM SJRWMD ENVIRONMENTAL RESOURCE PERMIT</p>																					
<p><u>SEQUENCE OF MAJOR ACTIVITIES</u></p>																					
<p>THE ORDER OF CONSTRUCTION IS AS FOLLOWS:</p>																					
<ol style="list-style-type: none"> 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 	<p><u>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.</u></p> <p><u>HAZARDOUS WASTE - HAZARDOUS WASTE MATERIALS SHALL BE 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.</u></p>	<p><u>PRODUCT SPECIFIC PRACTICES</u></p> <p>-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.</p> <p><u>SPILL CONTROL PRACTICES</u></p> <p>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:</p>	<p><u>POLLUTION PREVENTION PLAN CERTIFICATION</u></p> <p>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.</p> <p>SIGNED: <i>Michael S. Respch</i> DATE: 4/19/19 MICHAEL STEVEN RESPCH, P.E. FLORIDA REGISTRATION NUMBER: 79870 PROFESSIONAL ENGINEER</p>																		
<p><u>TIMING OF CONTROL MEASURES</u></p>																					
<p>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.</p>																					
<p><u>EROSION AND SEDIMENT CONTROLS</u></p>																					
<p>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.</p>	<p><u>OFFSITE TRACKING</u></p> <p>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 TARPAULIN.</p> <p><u>ITEMS REQUIRING POLLUTION PREVENTION</u></p> <p>THE FOLLOWING ITEMS ARE EXPECTED TO BE PRESENT WITHIN THE PROJECT AREA:</p> <p>-CONCRETE -CLEANING SUPPLIES -FERTILIZERS -DETERGENTS -METAL PIECES -WOOD -PETROLEUM BASED PRODUCTS</p> <p>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:</p> <p>-UNCONTAMINATED GROUNDWATER EXPOSED DURING EXCAVATION -PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).</p>	<p><u>SPILL CLEANUP INFORMATION SHALL BE POSTED ON SITE TO INFORM EMPLOYEES ABOUT CLEANUP PROCEDURES AND RESOURCES.</u> -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.</p> <p><u>MAINTENANCE AND INSPECTION PRACTICES</u></p> <p>THE FOLLOWING ARE MAINTENANCE AND INSPECTION PRACTICES THAT SHALL BE COMPLETED BY THE CONTRACTOR:</p> <p>-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.</p>	<p><u>CONTRACTOR'S CERTIFICATION</u></p> <p>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.</p> <table border="1"> <thead> <tr> <th>SIGNATURE/DATE</th> <th>COMPANY NAME/ADDRESS</th> <th>RESPONSIBILITY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	SIGNATURE/DATE	COMPANY NAME/ADDRESS	RESPONSIBILITY															
SIGNATURE/DATE	COMPANY NAME/ADDRESS	RESPONSIBILITY																			

REVISIONS	
DATE	DESCRIPTION



CITY OF DAYTONA BEACH

MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



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

STORMWATER POLLUTION PREVENTION PLAN

SHEET NO.
25

TRAFFIC CONTROL GENERAL NOTES:

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH 2018/2019 FDOT DESIGN STANDARD PLAN INDEX 102-600, 102-601, 102-602, 102-603, 102-604, 102-605, 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 DESIGN STANDARDS 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	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



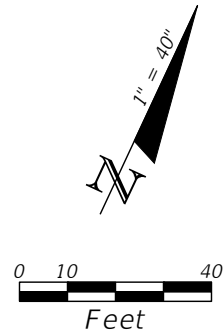
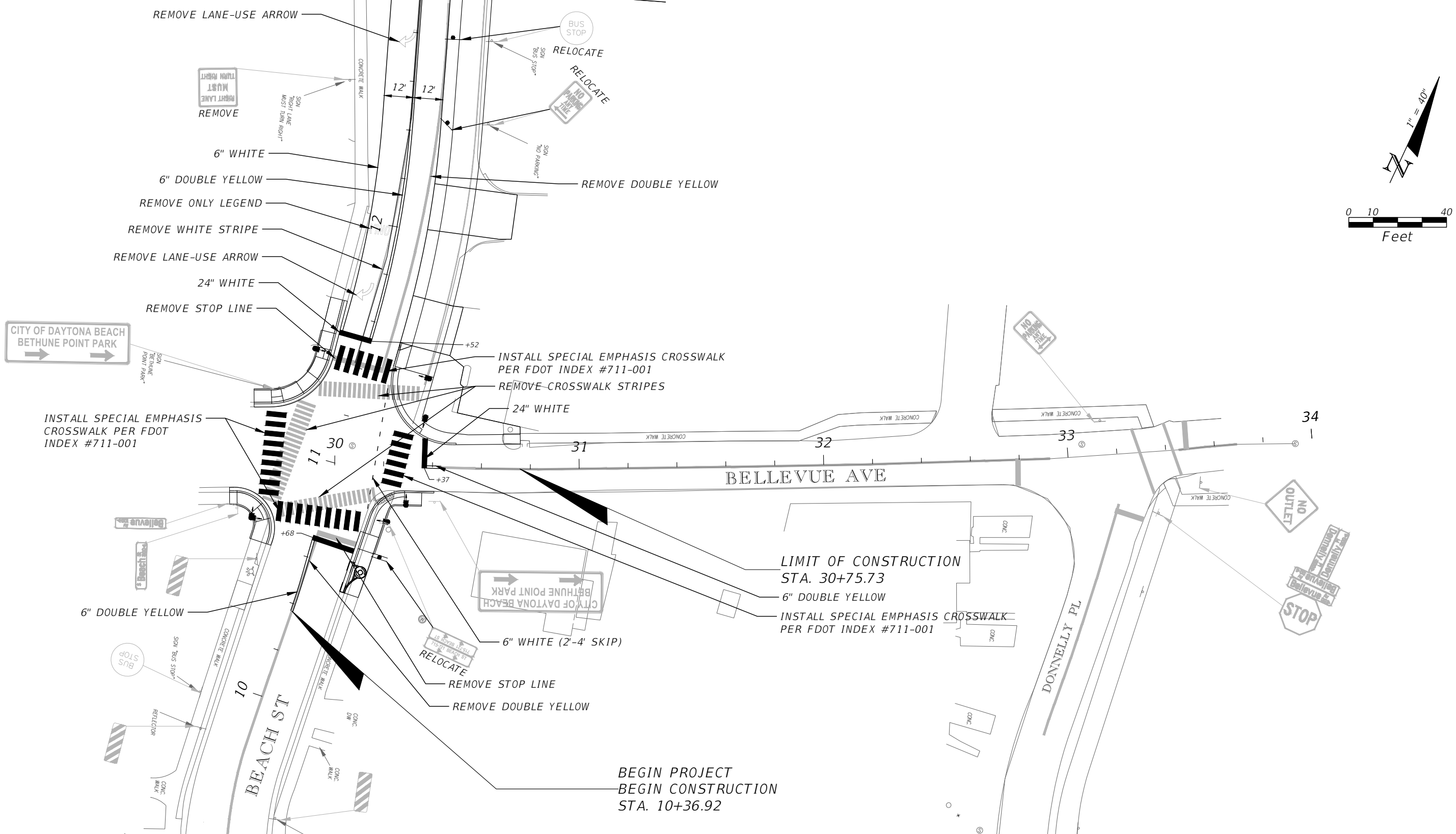
SWEETHEART TRAIL
(BEACH ST BETWEEN
BELLEVUE AVE AND MARINA POINT DR)

**TEMPORARY TRAFFIC
CONTROL PLAN**

SHEET
NO.

26

MATCH LINE STA. 13+00



REVISIONS	
DATE	DESCRIPTION



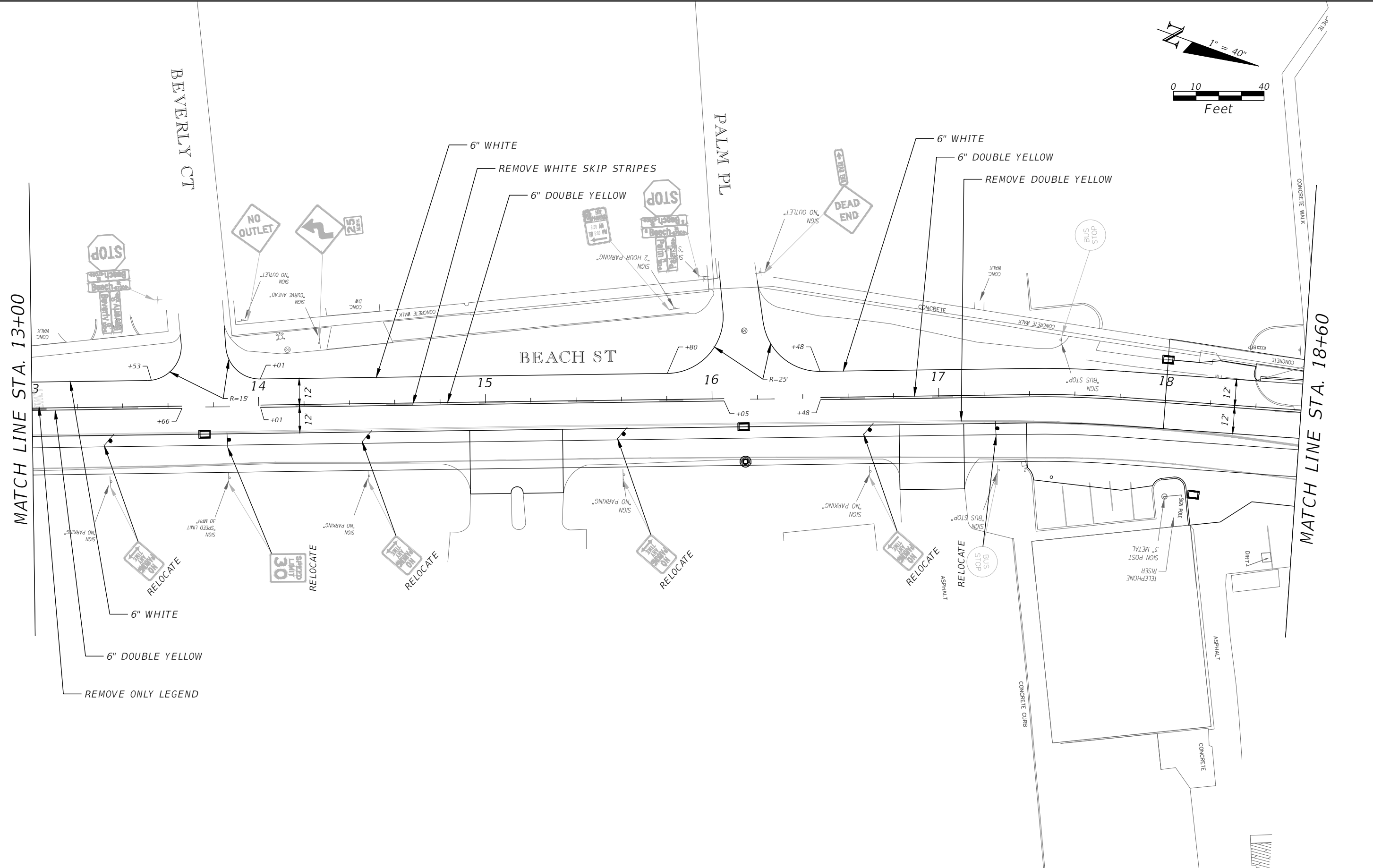
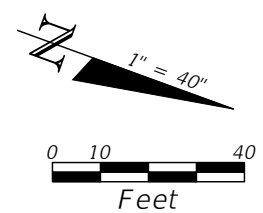
CITY OF DAYTONA BEACH

MICHAEL STEVEN REPSCH, P.E.
 P.E. LICENSE NUMBER 79870
alta
 ALTA PLANNING + DESIGN
 524 DATURA STREET, SUITE 216
 WEST PALM BEACH, FL 33401
 CERTIFICATE OF AUTHORIZATION 31108

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

**SIGNING AND PAVEMENT
 MARKING PLAN**

SHEET NO.
 27



REVISIONS	
DATE	DESCRIPTION

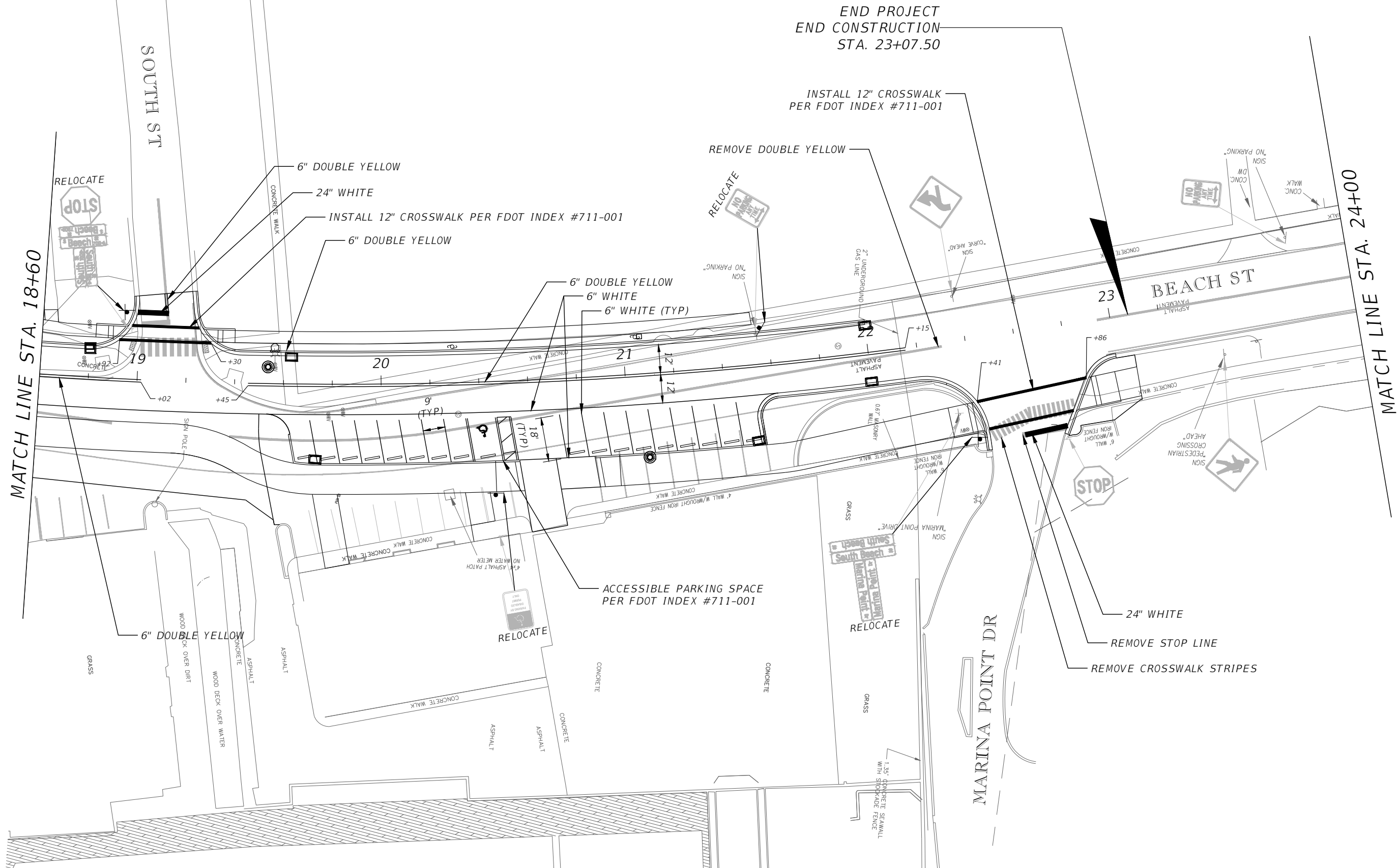
**CITY OF
DAYTONA BEACH**

MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108

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

**SIGNING AND PAVEMENT
MARKING PLAN**

SHEET
NO.
28



REVISIONS	
DATE	DESCRIPTION



**CITY OF
DAYTONA BEACH**

MICHAEL STEVEN REPSCH, P.E.
P.E. LICENSE NUMBER 79870
alta
ALTA PLANNING + DESIGN
524 DATURA STREET, SUITE 216
WEST PALM BEACH, FL 33401
CERTIFICATE OF AUTHORIZATION 31108



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

**SIGNING AND PAVEMENT
MARKING PLAN**

SHEET
NO.
29