



TOWN OF CUTLER BAY
PERIMETER PEDESTRIAN - SIDEWALK
FOR
CUTLER BAY MIDDLE SCHOOL
CONTRACT PLANS

COMMUNITY OFFICIALS
PEGGY R. BELL, MAYOR
SUE ELLEN LOYZELLE, VICE MAYOR
MARY ANN MIXON, TOWN COUNCIL
MICHAEL P. CALLAHAN, TOWN COUNCIL
ROGER CORIAT, TOWN COUNCIL
RAFAEL G. CASALS, TOWN MANAGER
DEBRA E. EASTMAN, INTERIM TOWN CLERK

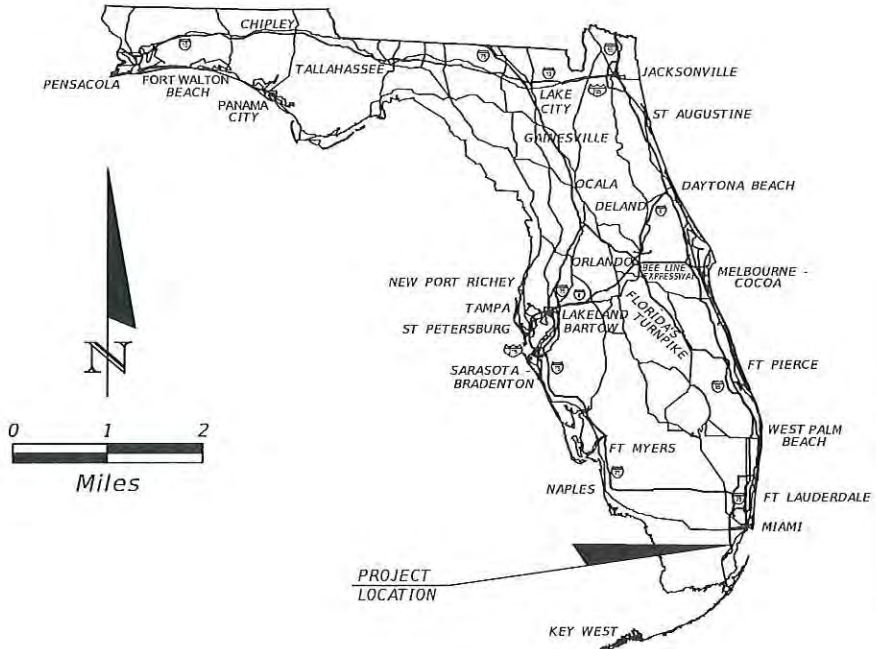
INDEX SHEETS	
SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	TABULATION OF QUANTITIES
3	GENERAL NOTES
4	TYPICAL SECTIONS
5	EXISTING TREE DISPOSITION
6	PROJECT LAYOUT
7 - 14	ROADWAY PLANS (SIDEWALK LAYOUT)
15	DETAILS
16	DRAINAGE DETAILS
17	SWPPP NOTES AND DETAILS
18 - 25	SIGNING & PAVEMENT MARKINGS PLANS

GOVERNING STANDARDS AND SPECIFICATIONS:
THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE CITY OF CUTLER BAY STANDARDS, MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS AND SPECIFICATIONS PART 1, 2 AND 3, THE MANUAL OF MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS, THE FLORIDA DEPARTMEN OF TRANSPORTATION DESIGN STANDARDS DATED 2017 AND THE SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2017, AS AMENDED BY THE CONTRACT DOCUMENTS.

SW 194 TERRACE
FROM SW 97 PLACE TO SW 98 AVENUE
SW 98TH AVENUE
FROM SW 194TH TERRACE to SW 193RD STREET
AND 193RD STREET
FROM SW 98TH AVENUE TO SW 99TH AVENUE
AND SW 99TH AVENUE
FROM SW 193RD STREET TO SW 191ST STREET
AND SW 191ST STREET
FROM SW 99TH AVENUE TO SW 97TH AVENUE



REVISIONS:
1 ROADWAY SHEETS: 9, 10, 12, AND 13 (REVISED 3-29-17)



ROADWAY SHOP DRAWINGS
TO BE SUBMITTED TO:
ROBERT J BEHAR, P.E.
R. J. BEHAR & COMPANY, INC.
6861 S.W. 196 AVENUE, SUITE 302
PEMBROKE PINES, FL 33332

PLANS PREPARED BY:
R.J. Behar & Company, Inc.
Engineers • Planners
6861 S.W. 196 AVENUE, SUITE 302
PEMBROKE PINES, FL 33332
VENDOR IDENTIFICATION F65 095 4070
CERTIFICATE OF AUTHORIZATION NO. 00008365
CONTRACT NO. C-8001

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

ROADWAY PLANS
ENGINEER OF RECORD: ROBERT J BEHAR, P.E.

P.E. NO.: 21755

SHEET NO.
1

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

TABULATION OF QUANTITIES				
FDOT PAY ITEM NO.	CITY BID NO.	DESCRIPTION	QUANTITY	UNIT
102-1	1	MAINTENANCE OF TRAFFIC	90	DA
102-60	2	WORK ZONE SIGNS	900	ED
102-74-1	3	BARRICADES (TEMP)	3060	ED
104-18	4	INLET PROTECTION SYSTEM	5	EA
110-1-1	5	CLEARING AND GRUBBING	1.21	AC
120-1	6	REGULAR EXCAVATION (INCLUDES COST OF EXISTING CONCRETE REMOVAL)	210	CY
N/A	7	FURNISH & INSTALL CATCH BASIN (INCLUDES CONCRETE APRON)	1	EA
N/A	8	FURNISH & INSTALL TYPE P DRAINAGE STRUCTURE (WITH SKIMMER)	1	EA
443-70-1	9	FURNISH & INSTALL FRENCH DRAIN, 18"	50	LF
520-1-10	10	CONCRETE CURB & GUTTER, TYPE F	1750	LF
522-1	11	6-FT CONCRETE SIDEWALK (4")	1988	SY
522-2	12	6-FT CONCRETE SIDEWALK (6")	50	SY
527-2	13	DETECTABLE WARNINGS	80	SF
570-1-2	14	PERFORMANCE TURF - SOD	1717	SY
550-10-230	15	FENCING, TYPE B, 6.1-7.0', STANDARD	40	LF
N/A	16	FURNISH & INSTALL TREE, LIVE OAK, MIN. 12' TALL, MIN. 8'-9 SPREAD, MIN. 6" CALIPER	2	EA
N/A	17	TREE RELOCATION	16	EA
N/A	18	EXIST. TREE REMOVAL	8	EA
N/A	19	EXIST. TREE REMOVAL - FRUIT TREES	2	EA
N/A	20	EXIST. TREE REMOVAL - PINES	2	EA
N/A	21	GRETCHEN BACKED BENCH -LANDSCAPE FORMS	5	EA
N/A	22	SCARBOROUGH TRASH RECEPTACLE -BY LANDSCAPE FORMS	5	EA
N/A	23	FITNESS EQUIPMENT (*SEE NEXT SHEET)	1	LS
700-1-11	24	SINGLE POST SIGN, F&I GM, <12 SF	2	AS
700-1-60	25	SINGLE POST SIGN, REMOVE	13	AS
700-2-11	26	MULTI- POST SIGN, F&I GM, UP TO 12 SF	2	AS
700-2-12	27	MULTI- POST SIGN, F&I GM, 12-20 SF	1	AS
706-3	28	RETRO-REFLECTIVE PAVEMENT MARKERS	8	EA
710-11-123	29	PAINTED PAVT MARK,STD,WHITE,SOLID, 12"	480	LF
710-11-125	30	PAINTED PAVT MARK,STD,WHITE,SOLID,24"	500	LF
710-11-160	31	PAINTED PAVT MARK,STD,WHITE, MESSAGE	8	EA
710-11-201	32	PAINTED PAVT MARK,STD,YELLOW, SOLID, 6"	200	LF
711-11-123	33	THERMOPLASTIC, STD, WHITE, SOLID, 12"	480	LF
711-11-125	34	THERMOPLASTIC, STD, WHITE, SOLID, 24"	500	LF
711-11-160	35	THERMOPLASTIC, STD, WHITE, MESSAGE	8	EA
	36	THERMOPLASTIC, STD, YELLOW, SOLID, 6"	200	LF

BID ITEM NOTES:

15 COST TO INCLUDE REMOVAL OF FENCE AT THE CORNER OF SW 193 STREET AND SW 99 AVENUE

21-22 COST TO INCLUDE INSTALLATION HARDWARE AND INSTALLATION ON CONCRETE

23 COST TO INCLUDE INSTALLATION HARDWARE AND INSTALLATION ON RESILIENT SURFACE PER MANUFATURER
(SURFACE AREA = 73 SY PER PLAN LAYOUT)

1

R. J. Behar
4-26-17

REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	TABULATION OF QUANTITIES	SHEET NO. 2
DATE	DESCRIPTION	DATE	DESCRIPTION				
4/20/17	1 RESILIENT FITNESS SURFACE INCLUDED						

GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL CONFORM TO THE LATEST STANDARDS, CODES AND SPECIFICATIONS OF THE MIAMI-DADE COUNTY PUBLIC WORKS, FLORIDA DEPARTMENT OF TRANSPORTATION, MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND ALL OTHER LOCAL, STATE AND MUNICIPAL CODES.
2. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE: NGVD 29
3. IF ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, IMMEDIATELY NOTIFY THE ENGINEER IN CONJUNCTION WITH THE DISTRICT LOCATION SURVEYOR.
4. THE CONTRACTOR SHALL PERFORM AN INVENTORY OF ALL EXISTING STREET LIGHTING, TRAFFIC SIGNAL AND OTHER ELECTRIC AND COMMUNICATION INSTALLATIONS (POLES, PULL BOXES, CONTROLLER CABINET, SERVICE POINTS, ETC.) WITHIN THE AFFECTED LIMITS. AFFECTED LIMITS INCLUDE ALL AREAS WHERE CLEARING AND GRUBBING, EXCAVATION, REMOVAL OF SIDEWALK, OR ANY SPECIFIED ELECTRICAL WORKS ARE BEING PERFORMED. THE CONTRACTOR SHALL SUBMIT A REPORT OF THE CONDITION OF EACH INSTALLATION AND ITS CONTENT TO THE ENGINEER PRIOR TO THE BEGINNING OF CONSTRUCTION; INCLUDING PHOTOGRAPHS OF ANY IDENTIFY DEFICIENCIES.
5. CONTRACTOR SHALL PRESERVE ALL STREET SIGNS, BENCHES, TRAFFIC CONTROL SIGNS, LANDSCAPING, ETC. WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL REINSTALL OR DELIVERY SAID PUBLIC PROPERTY TO THE COUNTY.
6. THE CONTRACTOR SHALL TAKE SPECIAL NOTE OF SOIL CONDITIONS THROUGHOUT THIS PROJECT. ANY SPECIAL EQUIPMENT SHORING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, EITHER PUBLIC OR PRIVATE, DURING EXCAVATION OF SUBSOIL MATERIAL OR DURING THE FILLING OF ANY AREA, OR FOR ANY AREA, OR FOR ANY OPERATION DURING CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
7. APPARENT ERRORS, DISCREPANCIES, OR OMISSIONS ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY.
8. CONTRACTOR TO TRIM ANY LOW -HANGING TREE BRANCHES THAT CONFLICT WITH MINIMUM ADA CLEARANCE. COST TO BE INCLUDED IN RELATED BID ITEM.
9. THE CONTRACTOR SHALL REPLACE ALL PAVING, STABILIZING EARTH, DRIVEWAYS, SIDEWALKS, ETC. WITH THE SAME TYPE OF MATERIAL THAT WAS REMOVED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.
10. THE CONTRACTOR SHALL NOT ENCRDACH INTO PRIVATE PROPERTY WITH PERSONNEL, MATERIAL OR EQUIPMENT WITHOUT OBTAINING WRITTEN PERMISSION FROM THE OWNER.
11. ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY SHALL BE RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
12. ANY EXISTING FENCES ARE TO REMAIN UNLESS OTHERWISE NOTED. ANY FENCES, DAMAGED BY THE CONTRACTOR AT ANY TIME DURING CONSTRUCTION MUST BE REPLACE OR REPAIRED TO ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE CITY.
13. CLEARING AND GRUBBING, GRADING AND OTHER INCIDENTAL WORK NECESSARY FOR HARMONIZATION OUTSIDE R/W SHALL BE INCLUDED IN RELATED BID ITEMS.
14. ALL GRASS AREAS AFFECTED BY CONSTRUCTION SHALL BE RE-SODDED. COST TO BE INCLUDED IN RELATED BID ITEM.
15. EXPLORATORY OR PRE-TRENCHING IN THE ALIGNMENT AND GRADE OF PROPOSED PIPES STRUCTURES, FRENCH DRAINS, CONDUITS, POLE FOUNDATIONS AND/OR SUB-GRADE SHALL BE PERFORMED SEVEN DAYS IN ADVANCE OF ITS CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE UNDERGROUND UTILITY OWNERS AND THE DEPARTMENT WITH IMMEDIATE NOTIFICATION OF ANY CONFLICT WITH PROPOSED CONSTRUCTION. THIS NOTIFICATION SHALL PROVIDE SURVEY INFORMATION ABOUT EXISTING UTILITY ALIGNMENT, GRADE AND POSSIBLE CONFLICTS. PAYMENT FOR EXPLORATORY OR PRE-TRENCHING, SURVEY AND BACKFILLING SHALL BE INCLUDED IN THE COST OF THE RELATED BID ITEM FOR THE WORK BEING DONE.
16. ALL DITCH EXCAVATIONS SHALL BE PERFORMED IN FULL COMPLIANCE WITH THE PROVISIONS OF THE TRENCH SAFETY ACT.
17. ALL EXCESS MATERIAL, AS DESIGNATED BY THE ENGINEER, IS TO BE DISPOSED BY THE CONTRACTOR IN LEGAL AREAS PROVIDED BY THE ENGINEER WITHIN 72 HOURS OF BEING DEPOSITED IN THE CONSTRUCTION AREA AND AT THE CONTRACTOR'S EXPENSE.
18. ALL DISPOSAL OF MATERIALS, RUBBISH, AND DEBRIS SHALL BE MADE AT A LEGAL DISPOSAL SITE OR BY OTHER PRIOR APPROVED MANNER. MATERIAL CLEARED FROM THE SITE AND DEPOSITED ON ADJACENT OR NEARBY PROPERTY WILL NOT BE CONSIDERED AS HAVING BEEN DISPOSED OF SATISFACTORILY.
19. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR ALL NON-STANDARD ITEMS USED IN THIS PROJECT.
20. WHEN DISSIMILAR MATERIAL CONNECTIONS ARE MADE, SUCH AS CONCRETE TO METAL, THE DISSIMILAR MATERIAL SHALL BE SEPARATED BY COATING THE CONTACT SURFACE WITH BITUMASTIC MATERIAL.
21. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING EXISTING AND NEW INLETS CLEAN OF CONSTRUCTION MATERIAL, LIMEROCK, DEBRIS, ETC. DURING THE CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. ALL LINES AND STRUCTURES SHALL BE CLEANED PRIOR TO FINAL INSPECTION AND ACCEPTANCE.
22. THE INFORMATION PROVIDED IN THESE DRAWINGS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF WORK. THE CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH BIDS WILL BE BASED.

UTILITIES:

1. EXISTING UTILITIES ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED.
2. FOR ROADWAYS WITH EXISTING LIGHT POLES, NOTIFY THE ENGINEER AND CALL THE TOWN MAINTENANCE DEPARTMENT TO REQUEST LIGHTING CONDUIT LOCATIONS TWO (2) FULL BUSINESS DAYS PRIOR TO DIGGING.
3. PRE-TRENCHING IN THE ALIGNMENT AND GRADE OF PROPOSED PIPES STRUCTURES, FRENCH DRAINS, SLAB COVERED TRENCHES, CONDUITS, POLE FOUNDATIONS AND/OR SUB-GRADE SHALL BE PERFORMED SEVEN DAYS IN ADVANCE OF ITS CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE UNDERGROUND UTILITY OWNERS AND THE DEPARTMENT WITH A SEVEN DAYS ADVANCE NOTICE OF ANY CONFLICT WITH PROPOSED CONSTRUCTION. THIS NOTIFICATION SHALL PROVIDE SURVEY INFORMATION ABOUT EXISTING UTILITY ALIGNMENT, GRADE AND POSSIBLE CONFLICTS. PAYMENT FOR PRE-TRENCHING, SURVEY AND BACKFILLING SHALL BE INCLUDED IN THE COST OF THE RELATED BID ITEM FOR THE WORK BEING DONE.
4. UTILITY OWNERS:

AT&T

TOWN OF CUTLER BAY

FPL

MIAMI-DADE WATER & SEWER

DADE COUNTY PUBLIC WORKS AND TRAFFIC

FLORIDA CITY GAS

COMCAST CABLE

(305) 222-8745

(305) 234-4262

1800-868-9554

(786) 268-5320

(305) 412-0891

(305) 835-3622

(954) 447-8405

FDOT DISTRICT 6: TRAFFIC CONTROL PLAN NOTES

1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE CURRENT EDITION OF THE FLORIDA DOT DESIGN STANDARDS (600 SERIES), THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2009 EDITION) AND MINIMUM CRITERIA.
2. NOTIFICATION OF LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING DAYS PRIOR TO CLOSURE, DETOUR OR MOT PHASE CHANGE BY SUBMITTING THE REQUIRED LANE CLOSURE FORM, SKETCHES, CALCULATIONS, AND OTHER DATA THROUGH THE ENGINEER AND TOWN.

REGULATORY SPEED ESTABLISHED WITHIN WORK ZONE TRAVEL WAYS SHALL BE 35 M.P.H. REDUCED SPEED AND REGULATORY SPEED SIGNS SHALL BE INSTALLED ON SEPARATE POSTS IN ACCORDANCE WITH STANDARD INDEXES.
3. LANE CLOSURES SHALL NOT BE PERMITTED DURING SCHOOL SPEED ZONE HOURS WHERE SUCH CLOSURES WILL AFFECT TRAFFIC FLOW IN THE VICINITY OF THE SCHOOL SPEED ZONES.

EROSION AND SEDIMENTATION CONTROL NOTES:

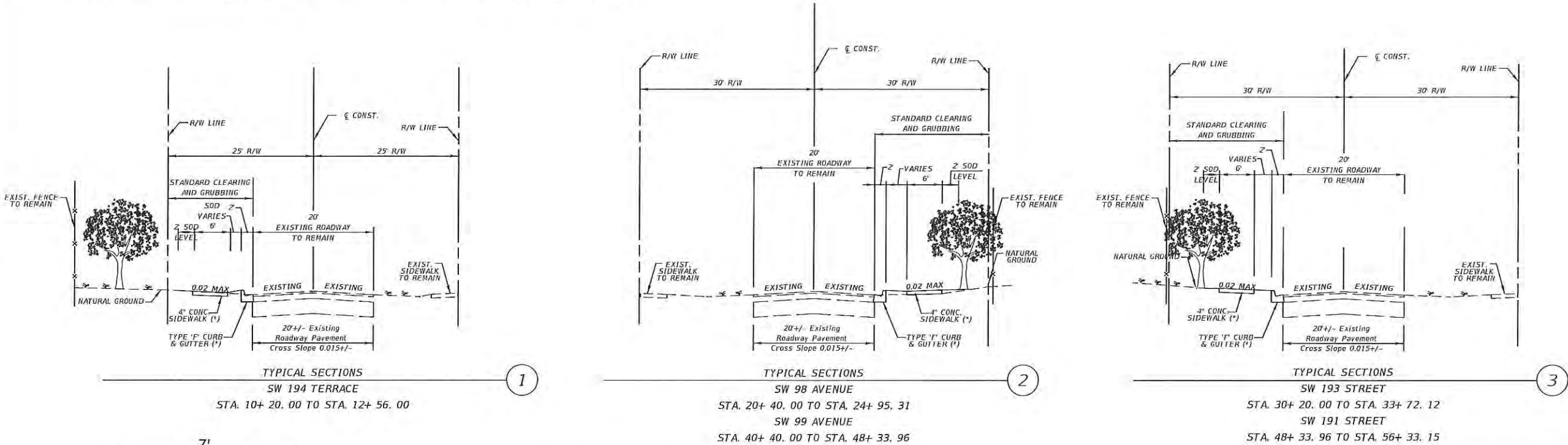
1. TEMPORARY SEDIMENTATION CONTROL DEVICES, SUCH AS INLET PROTECTION SYSTEMS AND SEDIMENT BARRIERS SHALL BE INSTALLED AROUND INLETS BEFORE COMMENCEMENT OF WORK AND SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT. SEDIMENT BARRIERS SHALL BE INSTALLED AT ALL CONSTRUCTION BOUNDARIES WHERE STORMWATER RUNOFF HAS THE POTENTIAL TO REACH SURFACE WATERS OR OFFSITE STORMWATER COLLECTION FACILITIES.
2. THE CONTRACTOR SHALL PRACTICE GOOD HOUSEKEEPING BY INSTITUTING A CLEAN, ORDERLY CONSTRUCTION SITE.
3. DUST RESULTING FROM PROPOSED MILLING ACTIVITIES SHALL BE PREVENTED FROM INTRUSION INTO THE STORM WATER CONVEYANCE SYSTEM. APPROPRIATE DUST CONTROL TECHNIQUES SUCH AS STREET SWEEPING AND/OR TRUCK WATERING MUST BE RETAINED ON SITE OR PERFORMED AT THE END OF EACH WORK DAY. THE USE OF CALCIUM CHLORIDE, OILS OR OTHER CHEMICAL DUST CONTROL AGENT SHALL BE AVOIDED.
4. CONTRACTOR SHALL SOD GRASS AREAS DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO OWNER. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE ENVIROMENTAL PROTECTION AGENCY (EPA) AND THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES).


3-24-17

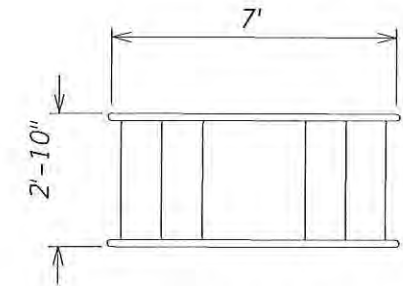
REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL	PERIMETER PEDESTRIAN - SIDEWALK	GENERAL NOTES	SHEET NO. 3
DATE	DESCRIPTION	DATE	DESCRIPTION					

* TYPICAL SECTION NOTES:

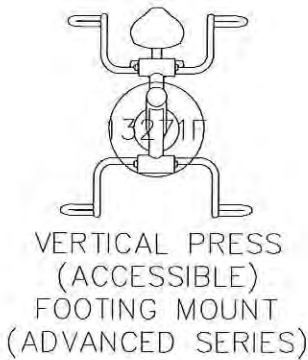
- 1. FOR SIDEWALK LOCATIONS REFER TO SIDEWALK LAYOUT ON ROADWAY PLANS. LOCATIONS MAY VARY.
- 2. FOR CURB & GUTTER LOCATIONS REFER TO SIDEWALK LAYOUT ON ROADWAY PLANS. LOCATIONS MAY VARY.
- 3. PROPOSED SIDEWALK SHALL BE 6 FEET WIDE UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- 4. PROPOSED SIDEWALK SLOPE SHALL NOT EXCEED MAXIMUM CROSS SLOPE OF 2% AND LONGITUDINAL SLOPE OF 5%.
- 5. PROPOSED DETECTABLE WARNING RAMPS SHALL MEET ADA CRITERIA AND SHALL NOT EXCEED REQUIRED 1:12 SLOPE.



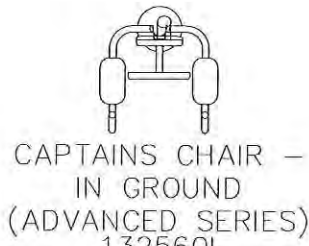
DESIGN SPEED= 35 MPH



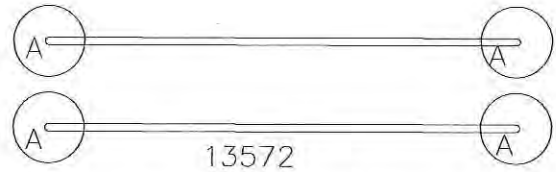
ASSISTED STEP
TRAINER
14901



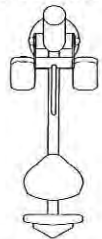
VERTICAL PRESS
(ACCESSIBLE)
FOOTING MOUNT
(ADVANCED SERIES)



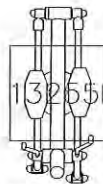
CAPTAINS CHAIR -
IN GROUND
(ADVANCED SERIES)



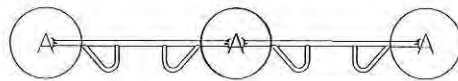
PARALLEL BARS



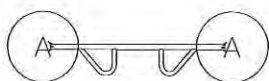
LEG PRESS
(IN-GROUND)



ELLIPTICAL -
IN GROUND
(ADVANCED SERIES)



CHIN-UP
STATION - HIGH
(ADVANCED SERIES)



CHIN-UP
STATION - LOW
(ADVANCED SERIES)

R.D.
4-20-17

REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	TYPICAL SECTIONS	SHEET NO. 4
DATE	DESCRIPTION	DATE	DESCRIPTION				
4/20/17	1 REVISED IN GROUND FITNESS NUMBER						

EXISTING TREE DISPOSITION TABLE						
TREE ID# NO.	BOTANICAL NAME	COMMON NAME	DIAMETER AT BREAST HEIGHT (INCH.)	CANOPY DIAMETER (FT.)	DISPOSITION	COMMENTS
1	QUERCUS VIRGINIANA	LIVE OAK	25	4.5	REMAIN	
2	QUERCUS VIRGINIANA	LIVE OAK	16	3	RELOCATE	
3	QUERCUS VIRGINIANA	LIVE OAK	32	5	RELOCATE	
4	QUERCUS VIRGINIANA	LIVE OAK	39	7.5	RELOCATE	
5	QUERCUS VIRGINIANA	LIVE OAK	29	6	RELOCATE	
6	QUERCUS VIRGINIANA	LIVE OAK	18	4	RELOCATE	
7	QUERCUS VIRGINIANA	LIVE OAK	28	7.5	REMAIN	
8	QUERCUS VIRGINIANA	LIVE OAK	24	5.5	REMAIN	
9	DIOSPYROS NIGRA	BLACK SAPOTE	8	2	REMOVE	
10	QUERCUS VIRGINIANA	LIVE OAK	27	6	REMAIN	
11	QUERCUS VIRGINIANA	LIVE OAK	27	7	REMAIN	
12	QUERCUS VIRGINIANA	LIVE OAK	36	8	REMAIN	
13	QUERCUS VIRGINIANA	LIVE OAK	6" MIN.	8' MIN.	ADD	16' TALL LIVE OAK
14	QUERCUS VIRGINIANA	LIVE OAK	30	8	REMAIN	
15	SERENOA REPENS	SAW PALMETTO	4	4	REMOVE	
16	QUERCUS VIRGINIANA	LIVE OAK	13	1.5	RELOCATE	
17	SERENOA REPENS	SAW PALMETTO	4	6	REMOVE	
18	SERENOA REPENS	SAW PALMETTO	4	3	REMOVE	
19	ARAUCARIA HETEROPHYLLA	NORTHFOLK ISLAND PINE	21	4.5	REMOVE	
20	SERENOA REPENS	SAW PALMETTO	10	4	REMOVE	
21	QUERCUS VIRGINIANA	LIVE OAK	21	4.5	RELOCATE	
22	MUSA ACUMINATA	BANANA	6	1	REMOVE	
23	QUERCUS VIRGINIANA	LIVE OAK	56	9	REMOVE	
24	DELONIX REGIA	ROYAL POINCIANA	28	11	REMOVE	
25	ARAUCARIA HETEROPHYLLA	NORTHFOLK ISLAND PINE	3 @ 36	6	REMOVE	
26	SERENOA REPENS	SAW PALMETTO	29	2.5	REMOVE	
27	QUERCUS VIRGINIANA	LIVE OAK	22	6.5	RELOCATE	
28	SERENOA REPENS	SAW PALMETTO	20	2	REMOVE	
29	QUERCUS VIRGINIANA	LIVE OAK	6" MIN.	8' MIN.	ADD	16' TALL LIVE OAK
30	QUERCUS VIRGINIANA	LIVE OAK	26	7	REMAIN	
31	CARICA	PAPAYA	6	1.5	REMOVE	
32	GYMNOCLADUS DIOICUS	COFFEE	4	1	REMOVE	
33	QUERCUS VIRGINIANA	LIVE OAK	24	7	REMAIN	
34	QUERCUS VIRGINIANA	LIVE OAK	34	9.5	RELOCATE	
35	QUERCUS VIRGINIANA	LIVE OAK	25	9.5	RELOCATE	
36	QUERCUS VIRGINIANA	LIVE OAK	24	7	RELOCATE	
37	QUERCUS VIRGINIANA	LIVE OAK	36	8.5	RELOCATE	
38	QUERCUS VIRGINIANA	LIVE OAK	25	7	RELOCATE	
39	QUERCUS VIRGINIANA	LIVE OAK	32	11	RELOCATE	
40	QUERCUS VIRGINIANA	LIVE OAK	28	7.5	RELOCATE	
41	QUERCUS VIRGINIANA	LIVE OAK	24	7	RELOCATE	

LANDSCAPE NOTES

- 1) VERIFY SITE CONDITIONS BEFORE BIDDING. INSTALLATIONS MAY REQUIRE ADDITIONAL EQUIPMENT FOR SPECIFIC SITE CONDITIONS.
- 2) BEFORE THE PRECONSTRUCTION MEETING, SUBMIT:

2-1) UNIT COST BREAKDOWN FOR EACH ITEM OF WORK;

2-2) WEED CONTROL PRODUCT INFORMATION AND APPLICATION PROCEDURES;

2-3) SOIL AMENDMENT PRODUCT INFORMATION AND APPLICATION PROCEDURES;

2-4) WATERING APPLICATION PROCEDURES;

2-5) FERTILIZER PRODUCT INFORMATION AND APPLICATION PROCEDURES;
- 3) A FNGLA CERTIFIED LANDSCAPE CONTRACTOR SHALL DIRECT LANDSCAPE OPERATIONS OR AS DIRECTED BY THE TOWN.
- 4) SOIL AMENDMENT:

BACKFILL PLANTING HOLES WITH A 50/50 MIX OF 100 PERCENT DECOMPOSED COMPOST AND EXISTING SOIL. WHERE MEDIAN SOIL EXCAVATION AND REPLACEMENT IS SPECIFIED, BACKFILL WITH A 75/25 MIX OF 100 PERCENT DECOMPOSED COMPOST AND CLEAN SAND.
- 5) PLANT ESTABLISHMENT AND MAINTENANCE:

5-1) WEED CONTROL: ERADICATE FLORIDA EXOTIC PEST PLANT COUNCIL CATEGORY ONE INVASIVE PLANT SPECIES AND THEIR SEEDS, AND VINES, BOTH NATIVE AND NON-NATIVE. THIS INCLUDES FROM WALLS AND WITHIN FENCES.

5-2) WATERING: MAINTAIN THE SOIL MOISTURE AT FIELD CAPACITY. FIELD CAPACITY WILL BE DETERMINED FROM A 4 INCH DEEP EXCAVATION WHERE THE SOIL MUST HOLD TOGETHER AND FORM A HAND CLUMP.

5-3) FERTILIZATION: APPLY AN 8-2-12+4 MG FERTILIZER, PLUS WATER SOLUBLE MICRONUTRIENTS. 100 PERCENT OF THE (N) NITROGEN, (K) POTASSIUM, (MG) MAGNESIUM AND (B) BORON MUST BE IN CONTROLLED RELEASE FORM. APPLY AT A RATE OF 1.5 POUNDS OF ACTUAL FERTILIZER (NOT N) PER 100 SQUARE FEET FROM A CALIBRATED SPERADER. BEGIN FERTILIZATION DURING INSTALLATION AND REPEAT EVERY 3 MONTHS.

5-4) MAINTAIN A 3 INCH MULCH COVER.

5-5) PRUNING: A CERTIFIED ARBORIST SHALL DIRECT PRUNING OPERATIONS. FOLLOW ANSI A300 PART 1 PRUNING STANDARDS AND THESE PLANS. PRUNING IS REQUIRED DURING INSTALLATION AND THROUGHOUT THE PLANT ESTABLISHMENT PERIOD TO:

5-5.1) REMOVE CROSSING, DEFLECTING, AND CIRCLING ROOTS;

5-5.2) REMOVE CROSSING, DEAD, DAMAGED AND CODOMINANT BRANCHES;

5-5.3) MAINTAIN FLORIDA NUMBER 1 BRANCH STRUCTURE;

5-5.4) MAINTAIN FDOT MAINTENANCE RATING PROGRAM REQUIREMENTS AND MAST ARM CLEARANCES;

5-5.5) MAINTAIN INDEX 546 HORIZONTAL AND VERTICAL CLEARANCES WITHIN THE LIMITS OF CLEAR SIGHT;

5-5.6) MAINTAIN VISIBILITY OF SIGNS;

5-5.7) MAINTAIN SHRUBS PER PLANS.
- 6) TREE RELOCATION REQUIREMENTS:

6-1) FOLLOW LANDSCAPE NOTES AND FDOT STANDARD SPECIFICATIONS AND DESIGN STANDRADs TO RELOCATED TREES.

6-2) ATTACH TREE IDENTIFICATION TAGS THAT MATCH THE PLAN NUMBERS. SUBMIT A SHOP DRAWING OF THE TAGGING METHOD TO THE DISTRICT LANDSCAPE ARCHITECT FOR REVIEW BEFORE THE PRECONSTRUCTION MEETING.

6-3) INSTALL TREES WITHIN 24 HOURS OF REMOVAL FROM THEIR ORIGINAL LOCATION TO LOCATIONS PROVIDED BY THE DISTRICT LANDSCAPE ARCHITECT WITHIN 15 MILES OF THEIR ORIGINAL LOCATION.

6-4) WATER THE ROOT ZONES TO FIELD CAPACITY FOR 5 CONTINUOUS DAYS BEFORE ROOT PRUNING.

6-5) ROOT PRUNE 8 WEEKS BEFORE RELOCATION.

6-6) ROOT PRUNE WITH EQUIPMENT TO SEVER ROOTS. ENSURE ROOTS ARE NOT TORN OR PULLED APART. SUBMIT ROOT PRUNING PROCEDURES BEFORE THE PRECONSTRUCTION MEETING.

6-7) FORM A ROOTBALL SIZE IN COMPLIANCE WITH FLORIDA GRADES AND STANDARDS FLORIDA NUMBER ONE OR BETTER.

6-8) FILL TRENCH AFTER TREE REMOVAL WITH SUITABLE MATERIAL (EMBANKMENT UNDER PAVEMENT / SIDEWALK OR FINISHED SOIL LAYER UNDER LANDSCAPED AREAS).

6-9) MAINTAIN THE SOIL MOISTURE AT FIELD CAPACITY THROUGHOUT THE 8 WEEKS.

6-10)BRACE ROOT PRUNED TREES AWAITING RELOCATION.

6-11)REPLACE RELOCATED TREES THAT FALL BELORE THEIR ORIGINAL CONDITION WITH THE SAME SPECIES, SIZE, AND QUALITY, OR BETTER.
- 7) REQUIREMENT FOR EXISTING TREES IMPACTED BY CONSTRUCTION:

7-1) A CERTIFIED ARBORIST SHALL DIRECT ROOT GRINDING, AND CANOPY AND ROOT PRUNING OPERATIONS.

7-2) REMOVE CROSSING, DEAD, AND DAMAGED BRANCHES. ADDITIONAL CANOPY PRUNING REQUIRE APPROVAL.

7-3) WATER THE ROOT ZONES TO FIELD CAPACITY FOR 5 CONTINUOUS DAYS BEFORE ROOT GRINDING OR PRUNING.

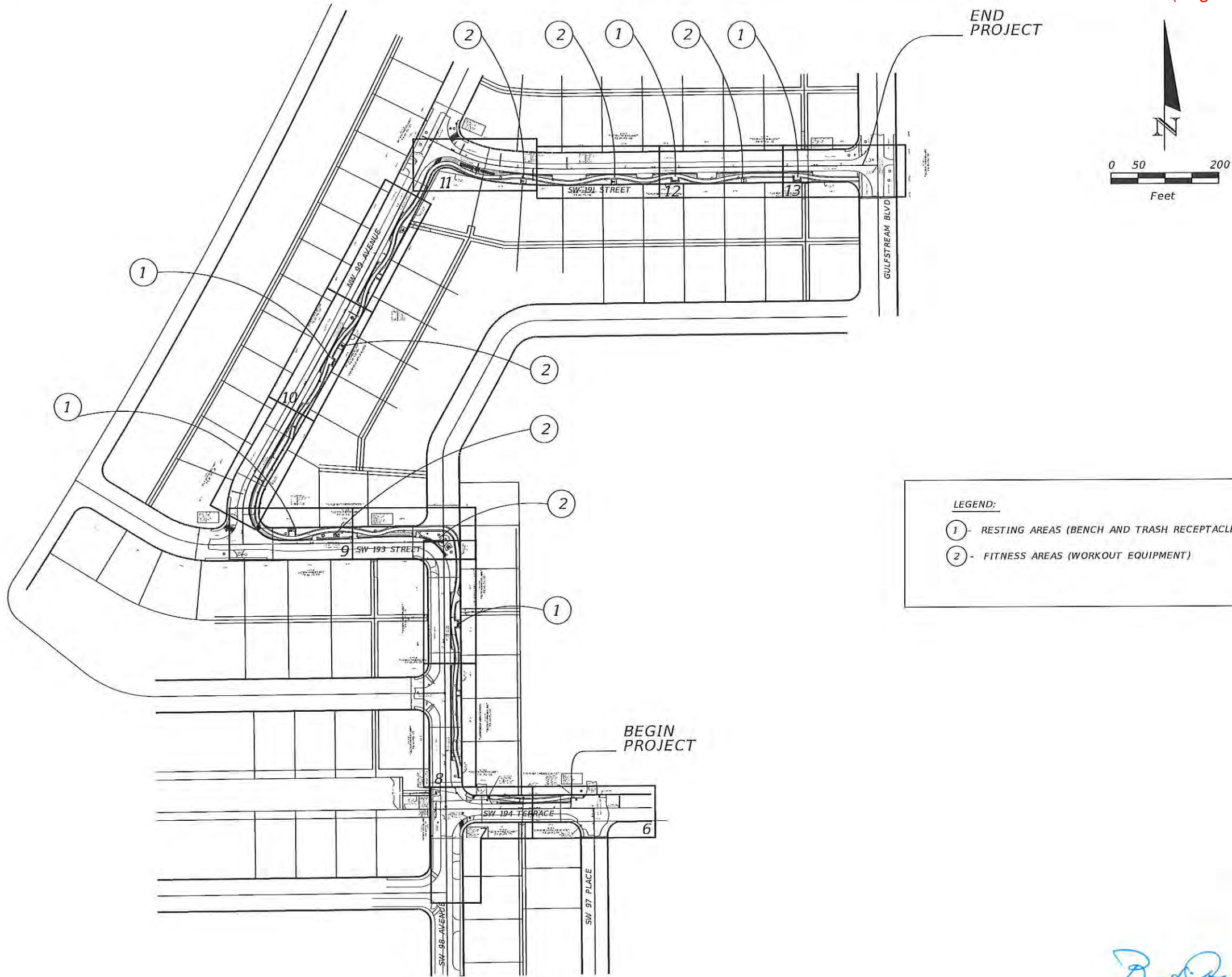
7-4) ROOT PRUNE WITH EQUIPMENT TO SEVER ROOTS. ENSURE ROOTS ARE NOT TORN OR PULLED APART. SUBMIT ROOT PRUNING PROCEDURES BEFORE THE PRECONSTRUCTION MEETING.

7-5) BRACE ROOT PRUNED/GRINDED TREES.

7-6) MAINTAIN THE SOIL MOISTURE AT FIELD CAPACITY.


3-24-17

REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	EXISTING TREE DISPOSITION	SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION				

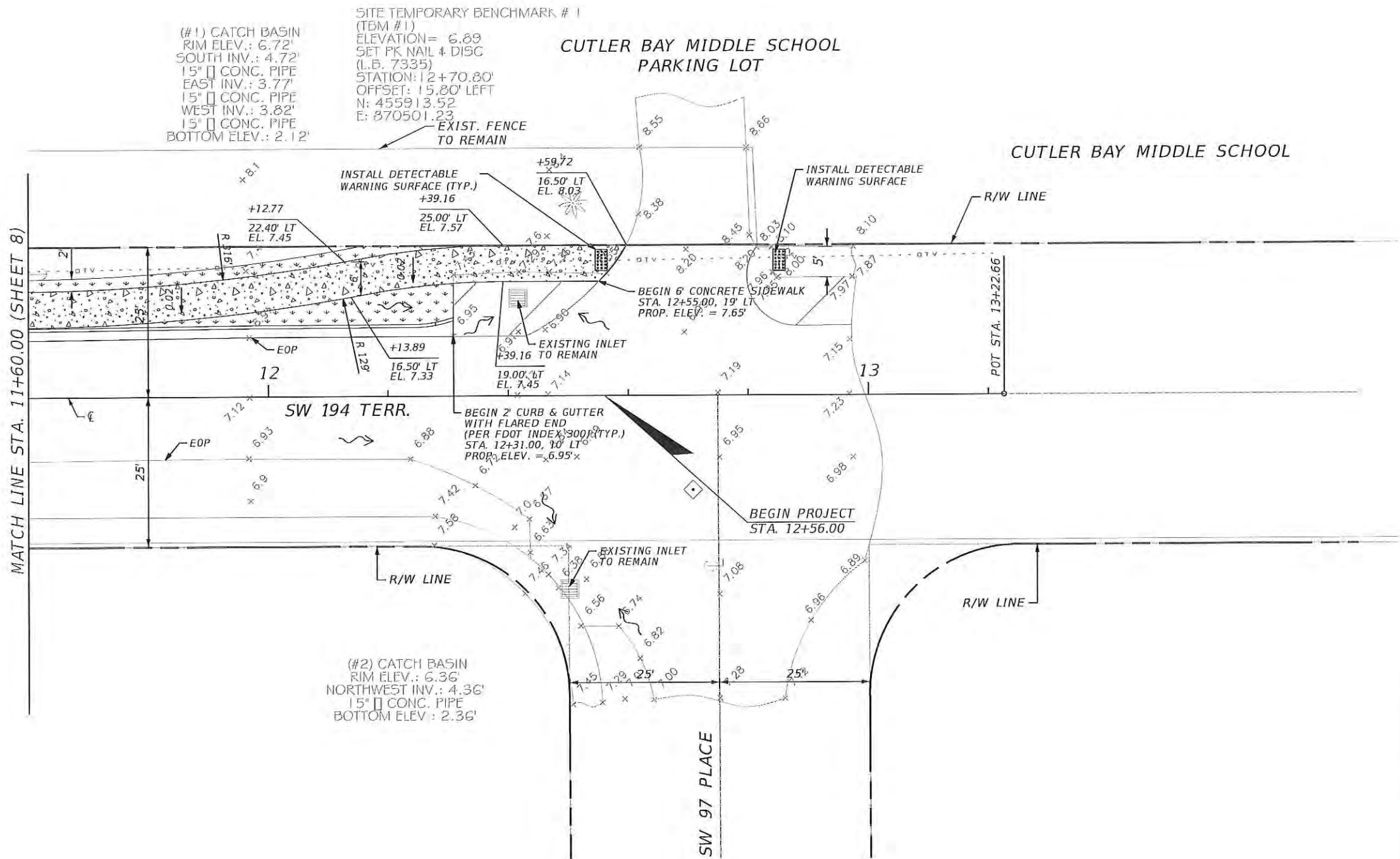
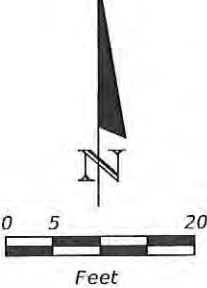


LEGEND:

- 1 - RESTING AREAS (BENCH AND TRASH RECEPTACLE)
- 2 - FITNESS AREAS (WORKOUT EQUIPMENT)

[Signature]
3-24-17

REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	PROJECT LAYOUT	SHEET NO. 6
DATE	DESCRIPTION	DATE	DESCRIPTION				

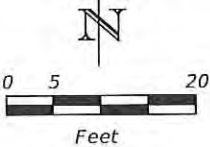
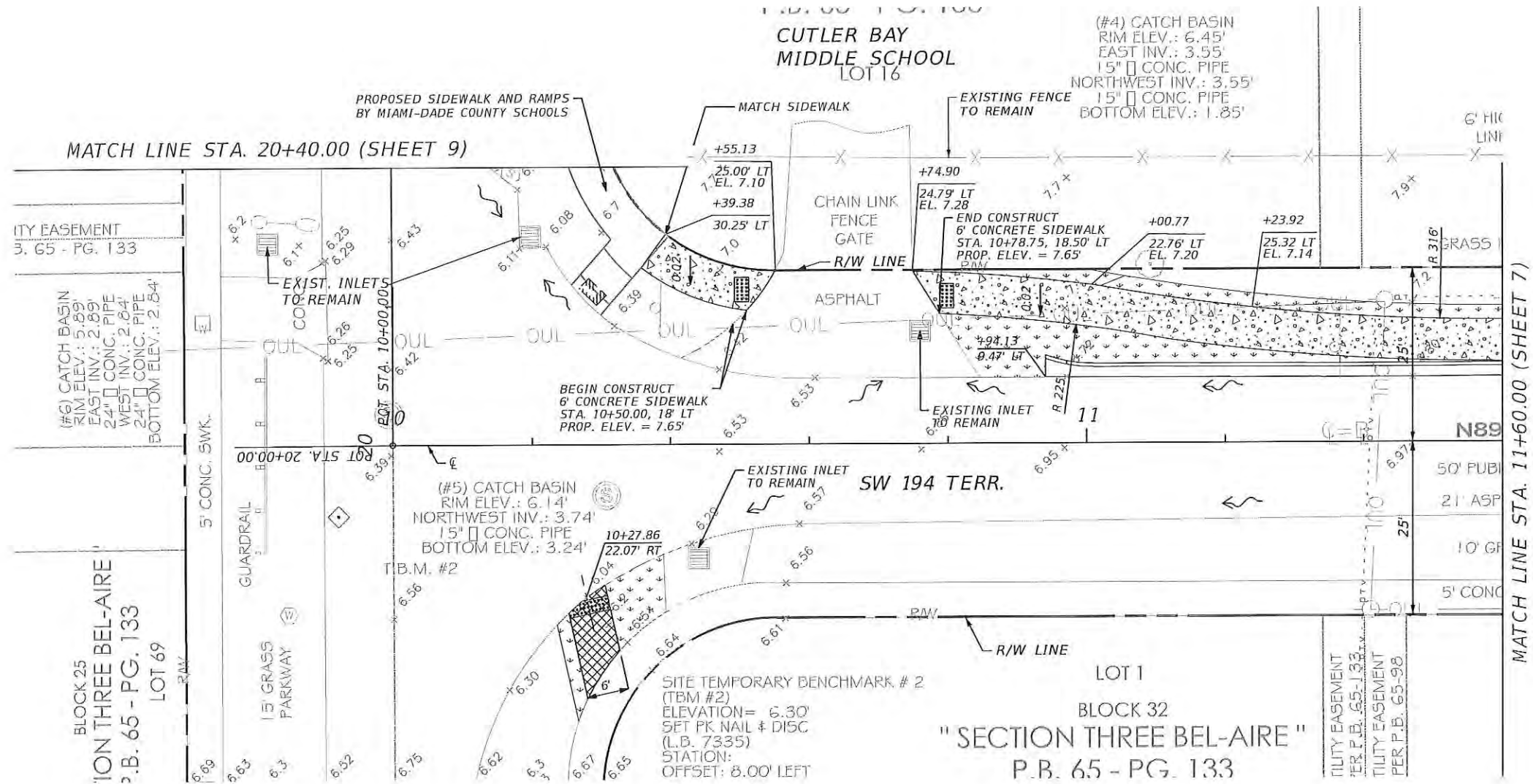


LEGEND:

- DENOTES 4" CONC. SIDEWALK PER FDOT INDEX 310
- DENOTES 6" CONC. SIDEWALK
- DENOTES DETECTABLE WARNING SURFACE PER FDOT INDEX 304
- DENOTES FLOW DIRECTION
- DENOTES EXISTING ELEVATIONS
- DENOTES EXISTING DETECTABLE WARNING
- DENOTES SOD
- DENOTES TREE RELOCATION
- DENOTES TREE REMOVAL
- DENOTES NEW TREE

Handwritten signature and date:
3-24-17

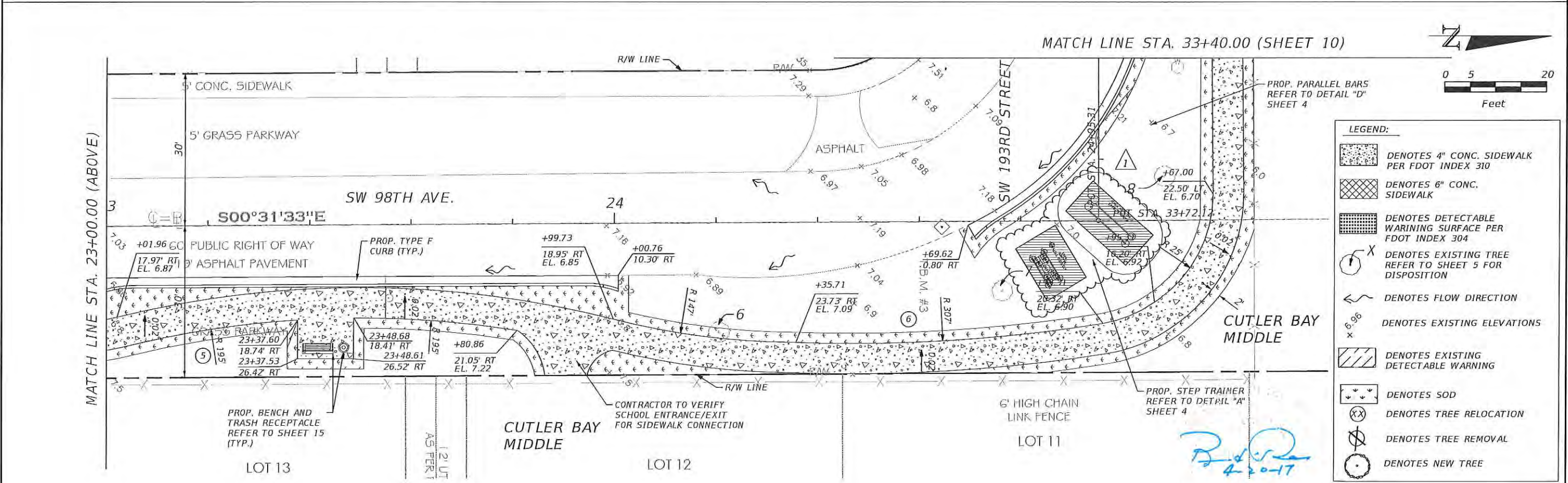
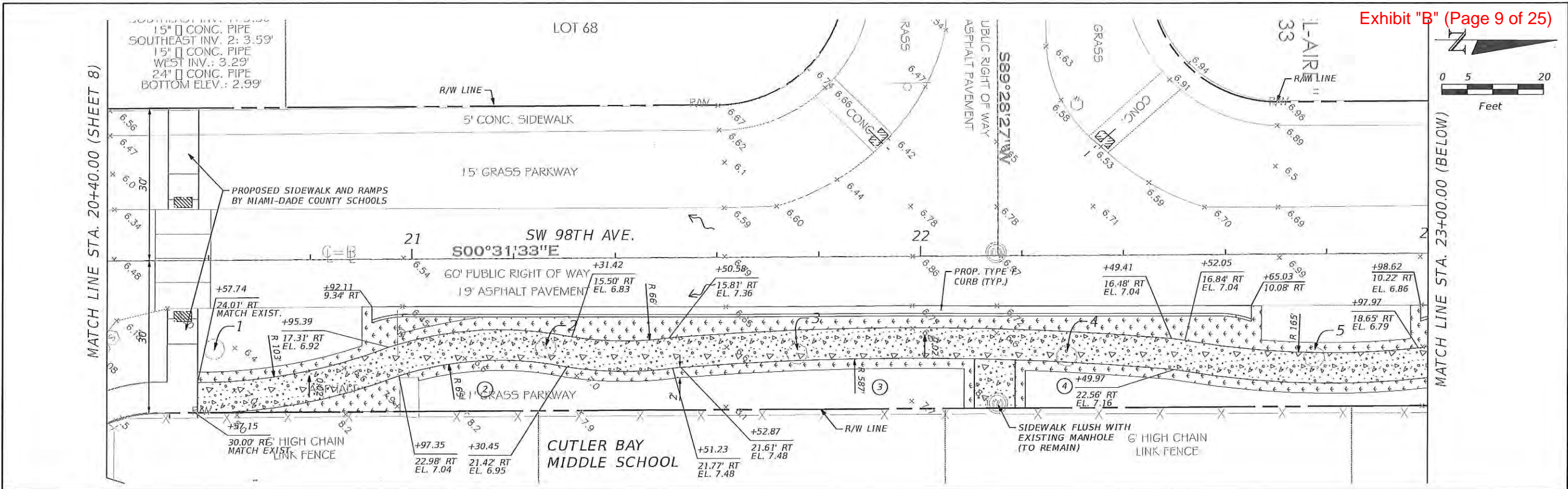
REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	ROADWAY PLAN (SIDEWALK LAYOUT)	SHEET NO. 7
DATE	DESCRIPTION	DATE	DESCRIPTION				



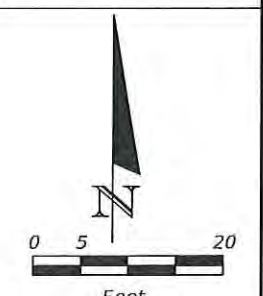
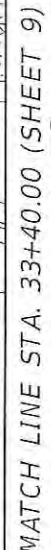
LEGEND:	
	DENOTES 4" CONC. SIDEWALK PER FDOT INDEX 310
	DENOTES 6" CONC. SIDEWALK
	DENOTES DETECTABLE WARNING SURFACE PER FDOT INDEX 304
	DENOTES FLOW DIRECTION
	DENOTES EXISTING ELEVATIONS
	DENOTES EXISTING DETECTABLE WARNING
	DENOTES SOD
	DENOTES TREE RELOCATION
	DENOTES TREE REMOVAL
	DENOTES NEW TREE

Handwritten signature and date: 3-14-17












REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	ROADWAY PLAN (SIDEWALK LAYOUT)	SHEET NO. 8
DATE	DESCRIPTION	DATE	DESCRIPTION				



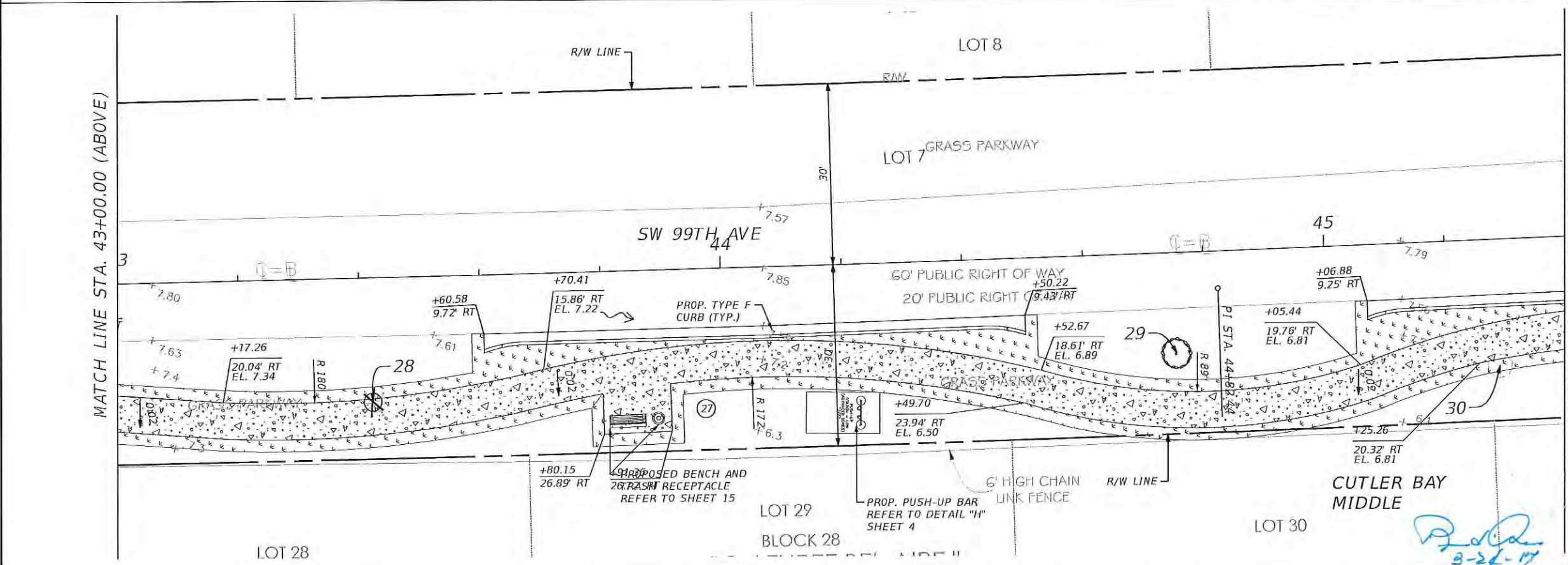
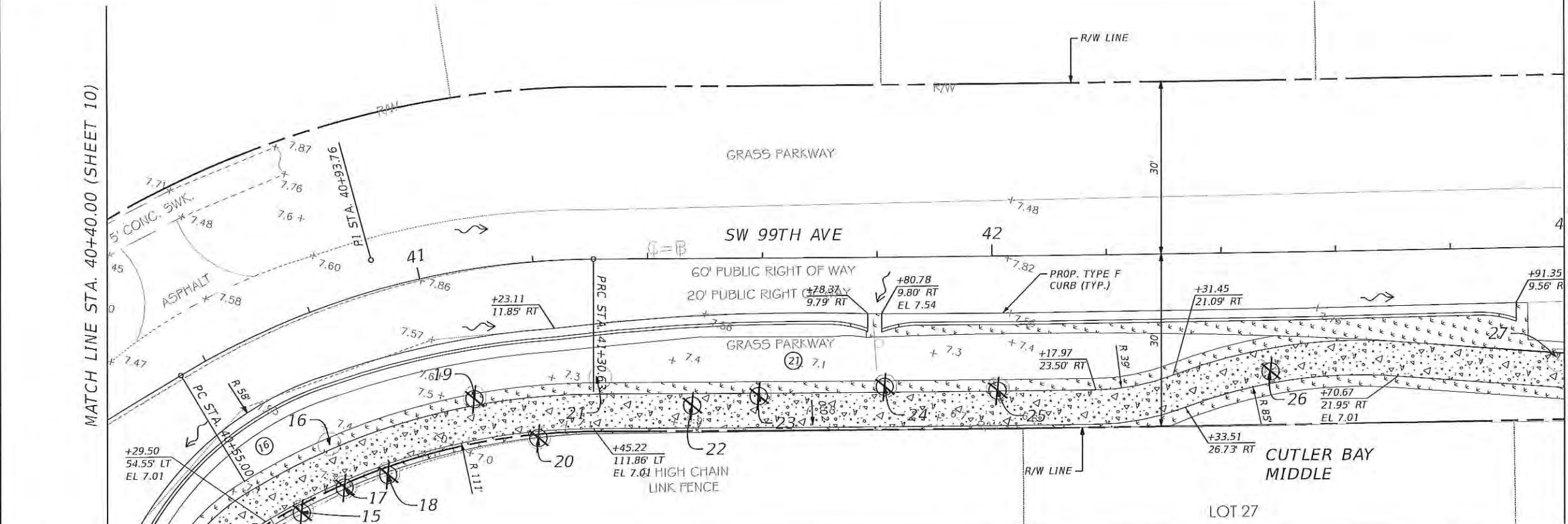
REVISIONS		REVISIONS		ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	ROADWAY PLAN (SIDEWALK LAYOUT)	SHEET NO. 9
DATE	DESCRIPTION	DATE	DESCRIPTION				
4/20/17	1 RESILIENT FITNESS SURFACE PER MANUFACTURER						



LEGEND:

	DENOTES 4" CONC. SIDEWALK PER FDOT INDEX 310
	DENOTES 6" CONC. SIDEWALK
	DENOTES DETECTABLE WARNING SURFACE PER FDOT INDEX 304
	DENOTES EXISTING TREE REFER TO SHEET 5 FOR DISPOSITION
	DENOTES FLOW DIRECTION
	DENOTES EXISTING ELEVATIONS
	DENOTES EXISTING DETECTABLE WARNING
	DENOTES SOD
	DENOTES TREE RELOCATION
	DENOTES TREE REMOVAL
	DENOTES NEW TREE

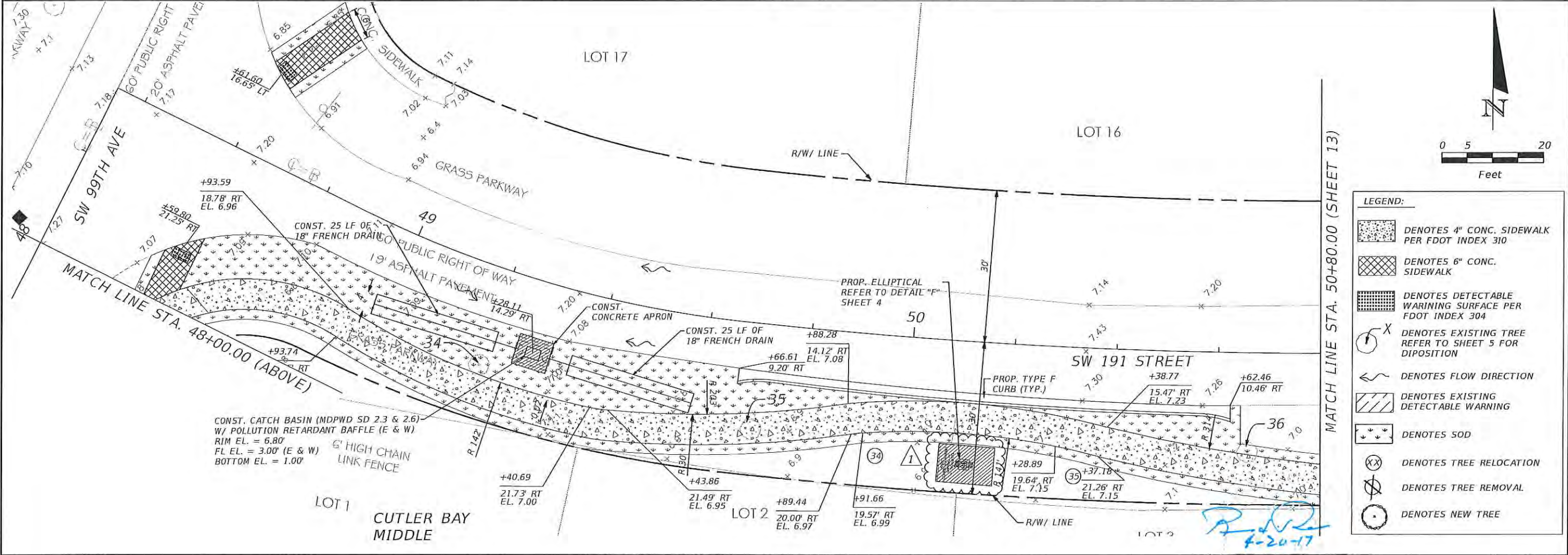
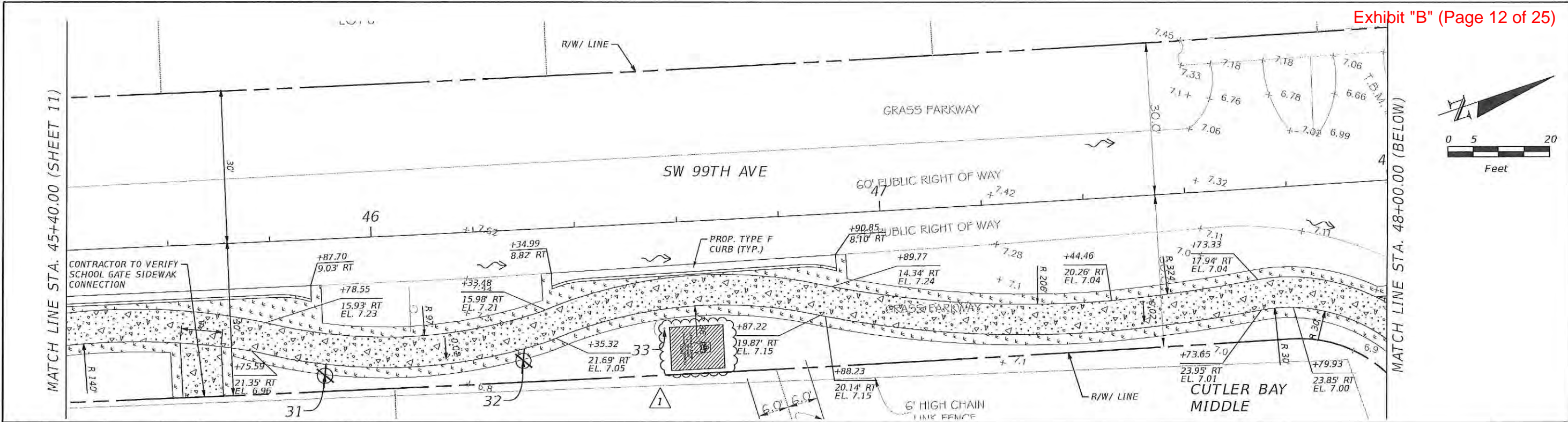
REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL	ROADWAY PLAN (SIDEWALK LAYOUT)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION		PERIMETER PEDESTRIAN - SIDEWALK		10
4/20/17	<div>1</div> RESILIENT FITNESS SURFACE PER MANUFACTURER						



LEGEND:

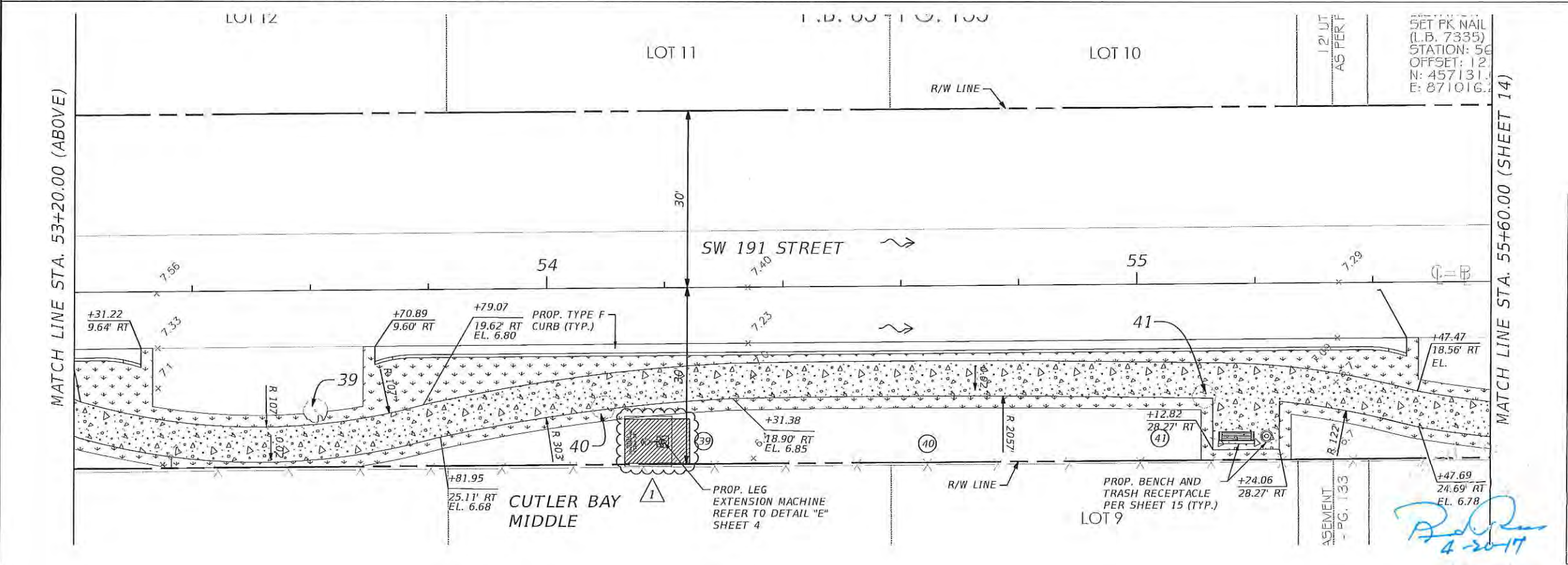
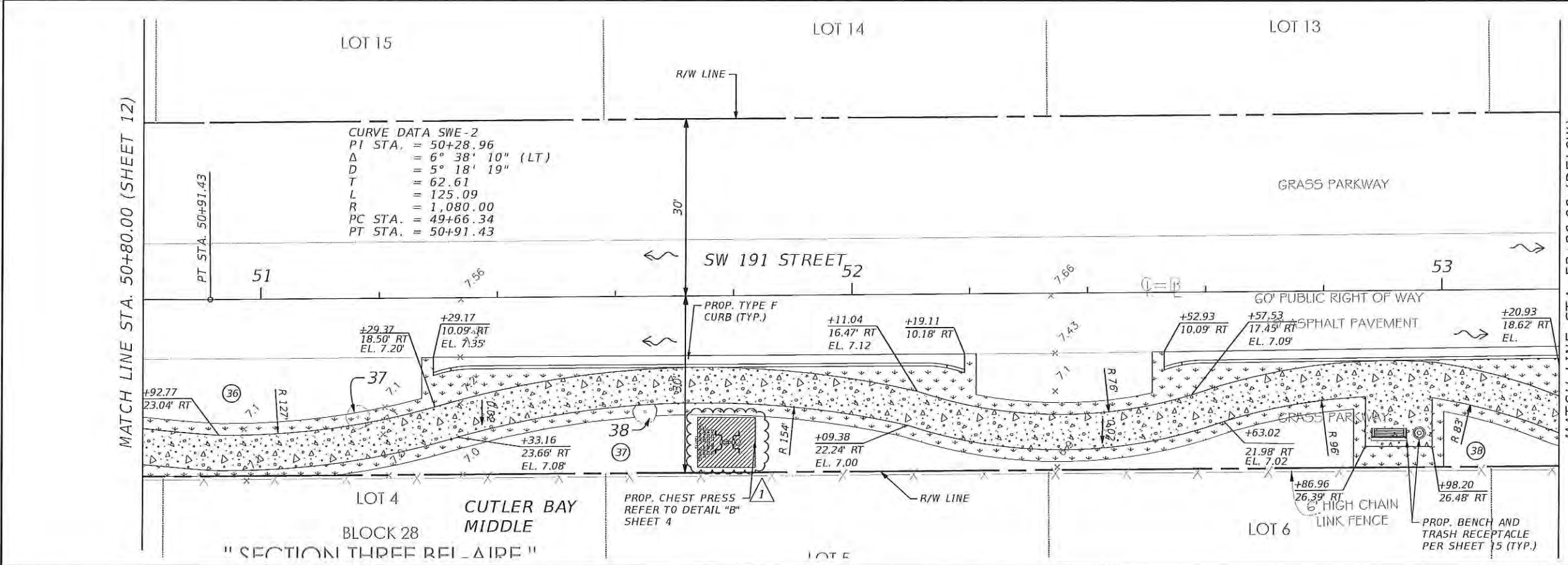
- DENOTES 4" CONC. SIDEWALK PER FDOT INDEX 310
- DENOTES 6" CONC. SIDEWALK
- DENOTES DETECTABLE WARNING SURFACE PER FDOT INDEX 304
- DENOTES EXISTING TREE REFER TO SHEET 5 FOR DISPOSITION
- DENOTES FLOW DIRECTION
- DENOTES EXISTING ELEVATIONS
- DENOTES EXISTING DETECTABLE WARNING
- DENOTES SOD
- DENOTES TREE RELOCATION
- DENOTES TREE REMOVAL
- DENOTES NEW TREE

REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	ROADWAY PLAN (SIDEWALK LAYOUT)	SHEET NO. 11
DATE	DESCRIPTION	DATE	DESCRIPTION				



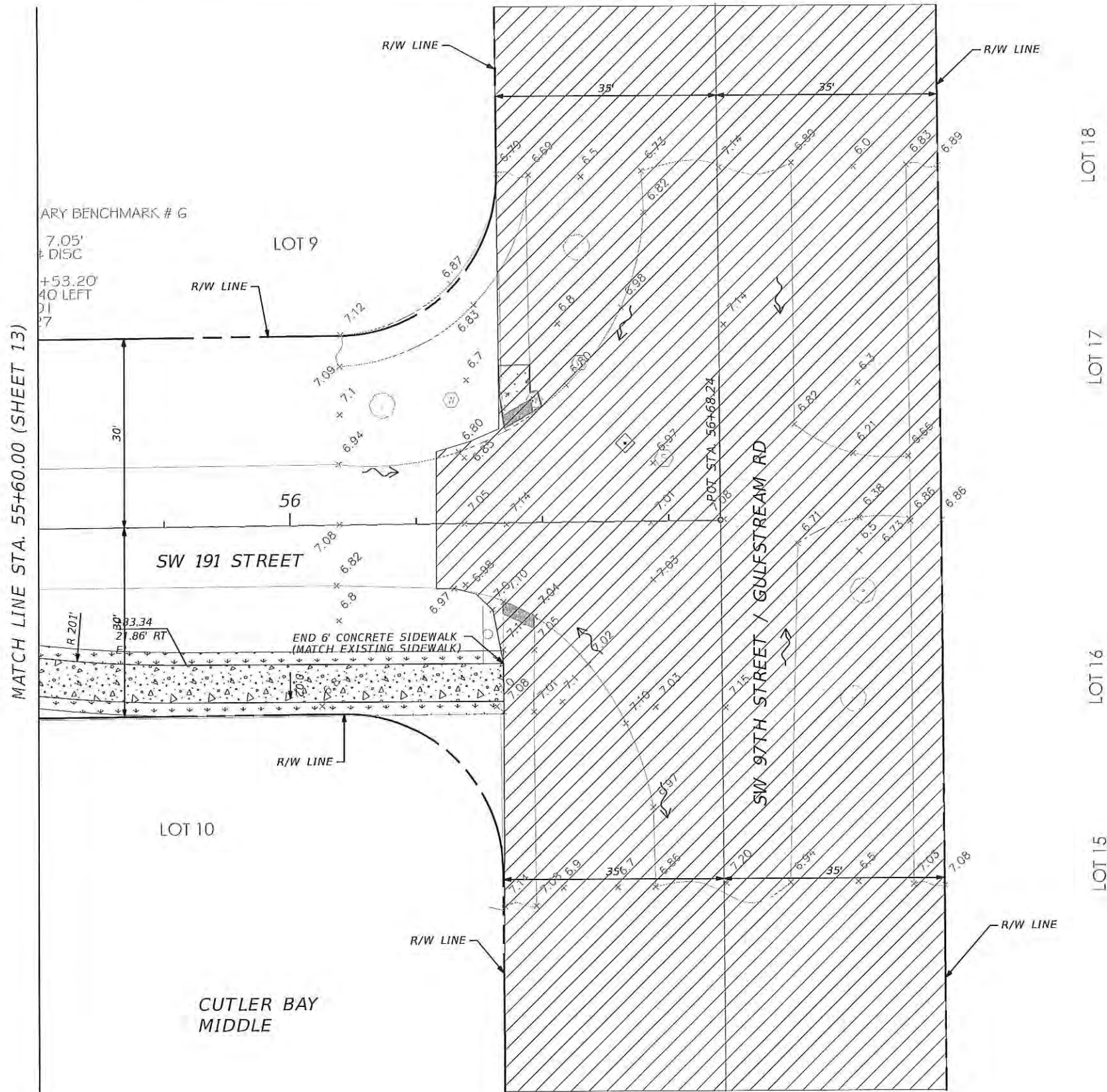
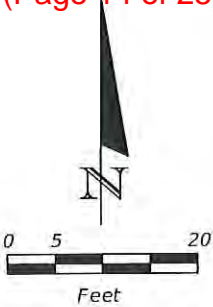
- LEGEND:
- DENOTES 4" CONC. SIDEWALK PER FDOT INDEX 310
 - DENOTES 6" CONC. SIDEWALK
 - DENOTES DETECTABLE WARNING SURFACE PER FDOT INDEX 304
 - DENOTES EXISTING TREE REFER TO SHEET 5 FOR DISPOSITION
 - DENOTES FLOW DIRECTION
 - DENOTES EXISTING DETECTABLE WARNING
 - DENOTES SOD
 - DENOTES TREE RELOCATION
 - DENOTES TREE REMOVAL
 - DENOTES NEW TREE

REVISIONS		ROBERT J BEHAR, P.E.		TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL	ROADWAY PLAN (SIDEWALK LAYOUT)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION			
4/20/17	1 RESILIENT FITNESS SURFACE PER MANUFACTURER			PERIMETER PEDESTRIAN - SIDEWALK		12



- LEGEND:**
- DENOTES 4" CONC. SIDEWALK PER FDOT INDEX 310
 - DENOTES 6" CONC. SIDEWALK
 - DENOTES DETECTABLE WARNING SURFACE PER FDOT INDEX 304
 - DENOTES EXISTING TREE REFER TO SHEET 5 FOR DISPOSITION
 - DENOTES FLOW DIRECTION
 - DENOTES EXISTING ELEVATIONS
 - DENOTES EXISTING DETECTABLE WARNING
 - DENOTES SOD
 - DENOTES TREE RELOCATION
 - DENOTES TREE REMOVAL
 - DENOTES NEW TREE

REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL	ROADWAY PLAN (SIDEWALK LAYOUT)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				13
4/20/17	1 RESILIENT FITNESS SURFACE PER MANUFACTURER				PERIMETER PEDESTRIAN - SIDEWALK		



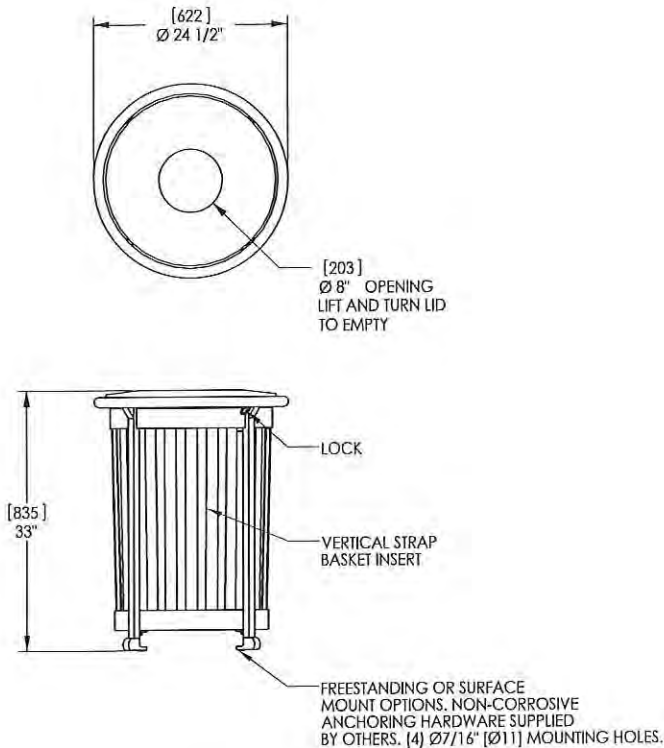
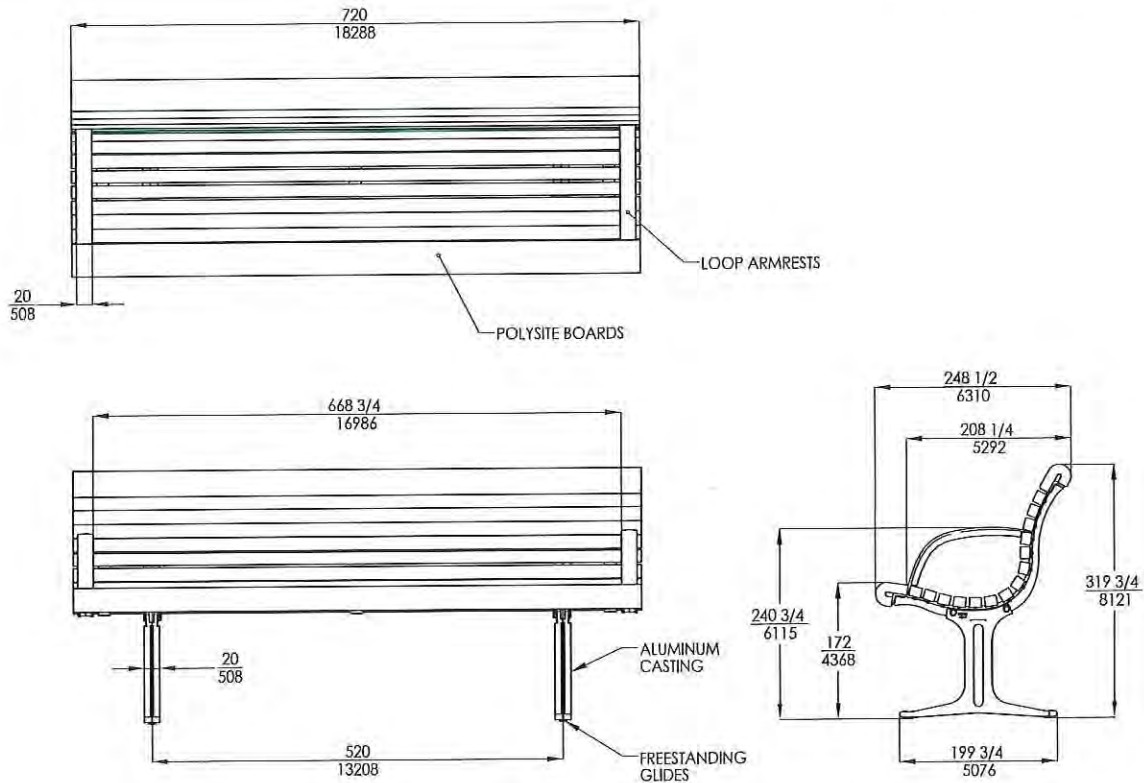
BLOCK 22
" SECTION THREE BEL-AIRE "
P.B. 65 - PG. 133

LEGEND:

- DENOTES WORK TO BE DONE BY OTHERS (KIMLEY-HORN PROJECT SAFE ROUTES TO SCHOOL)
- DENOTES 4" CONC. SIDEWALK PER FDOT INDEX 310
- DENOTES 6" CONC. SIDEWALK
- DENOTES DETECTABLE WARNING SURFACE PER FDOT INDEX 304
- DENOTES EXISTING TREE REFER TO SHEET 5 FOR DISPOSITION
- DENOTES FLOW DIRECTION
- DENOTES EXISTING ELEVATIONS
- DENOTES EXISTING DETECTABLE WARNING
- DENOTES SOD
- DENOTES TREE RELOCATION
- DENOTES TREE REMOVAL
- DENOTES NEW TREE

[Signature]
8-24-19

REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	ROADWAY PLAN (SIDEWALK LAYOUT)	SHEET NO. 14
DATE	DESCRIPTION	DATE	DESCRIPTION				



landscapeforms™ Drawing: GR133-08
Dimensions are in inches [mm]

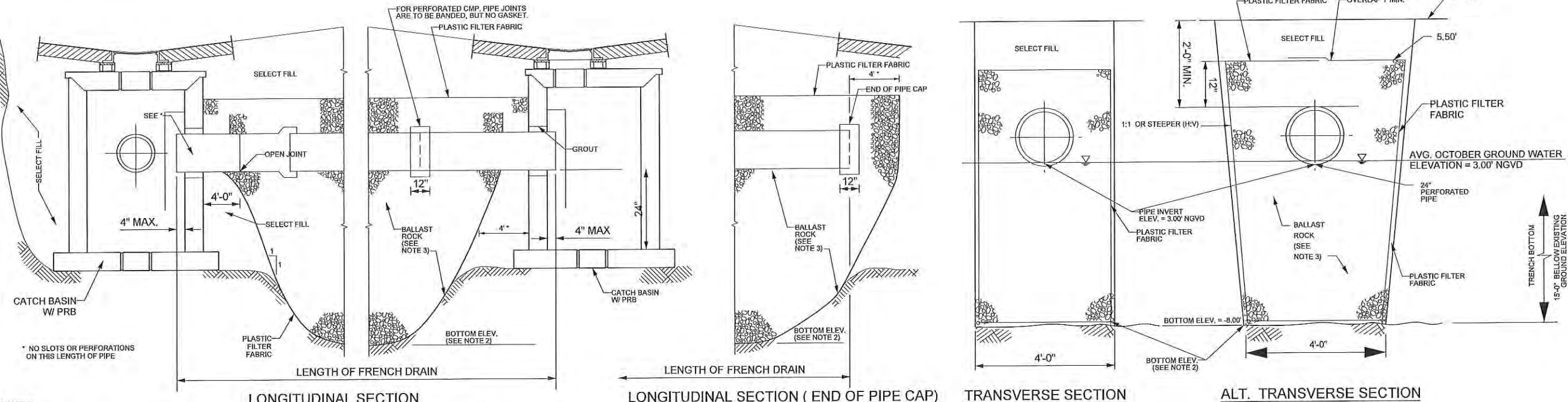
CONFIDENTIAL DRAWING INFORMATION CONTAINED HEREIN IS THE PROPERTY OF LANDSCAPE FORMS, INC. INTENDED USE IS LIMITED TO DESIGN PROFESSIONALS SPECIFYING LANDSCAPE FORMS, INC. PRODUCTS AND THEIR DIRECT CLIENTS. DRAWING IS NOT TO BE COPIED OR DISCLOSED TO OTHERS WITHOUT THE CONSENT OF LANDSCAPE FORMS, INC. © 2013 LANDSCAPE FORMS, INC. ALL RIGHTS RESERVED.

landscapeforms™ Drawing: SC177-02
Dimensions are in inches [mm]

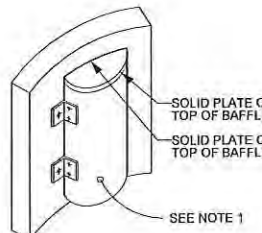
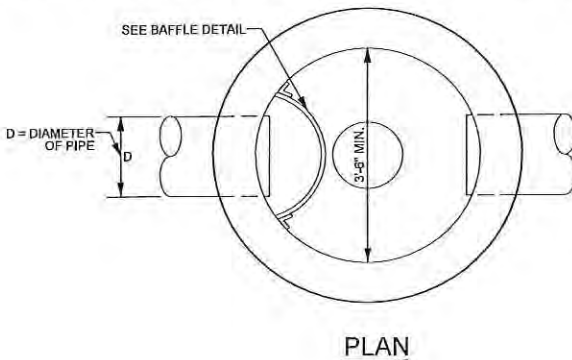
CONFIDENTIAL DRAWING INFORMATION CONTAINED HEREIN IS THE PROPERTY OF LANDSCAPE FORMS, INC. INTENDED USE IS LIMITED TO DESIGN PROFESSIONALS SPECIFYING LANDSCAPE FORMS, INC. PRODUCTS AND THEIR DIRECT CLIENTS. DRAWING IS NOT TO BE COPIED OR DISCLOSED TO OTHERS WITHOUT THE CONSENT OF LANDSCAPE FORMS, INC. © 2013 LANDSCAPE FORMS, INC. ALL RIGHTS RESERVED.

Handwritten signature and date:
3-24-17

REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	DETAILS	SHEET NO. 15
DATE	DESCRIPTION	DATE	DESCRIPTION				



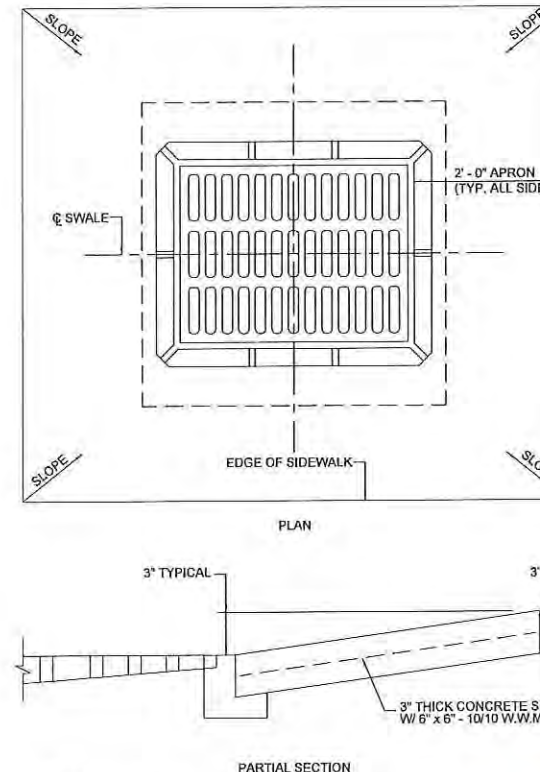
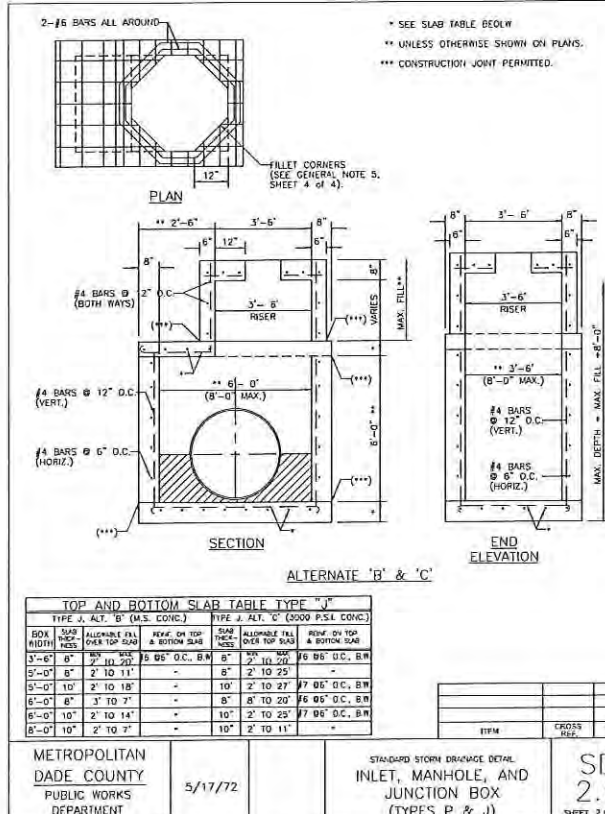
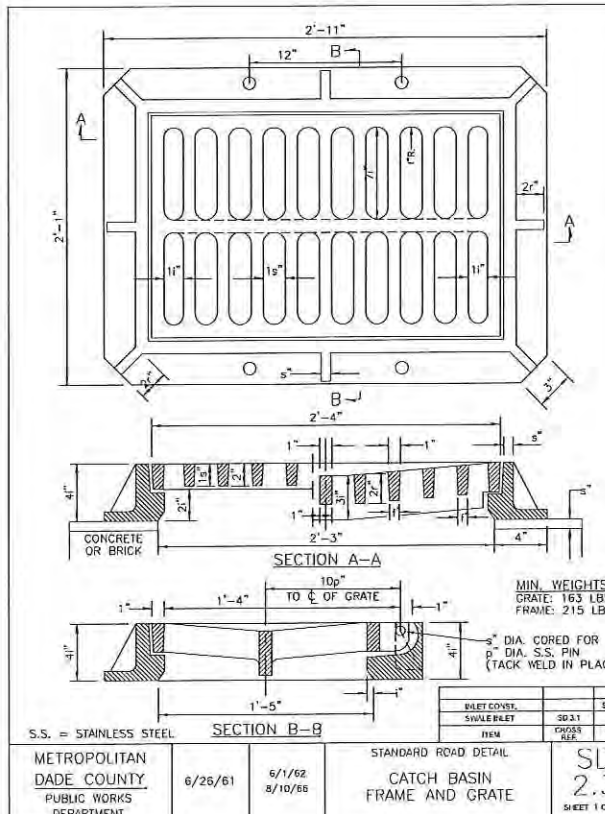
EXFILTRATION TRENCH DETAIL



SKIMMER DETAIL

NOTES FOR P.R.B. BASIN

1. BAFFLE TO BE A SECTION OF CMP CUT IN HALF. CMP PIPE FOR BAFFLE SHALL BE THE NEXT LARGER PIPE SIZE THAN "D".

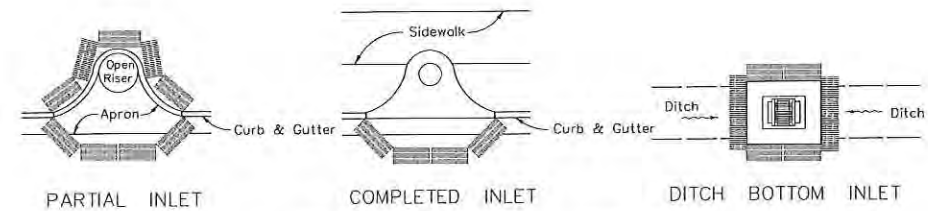
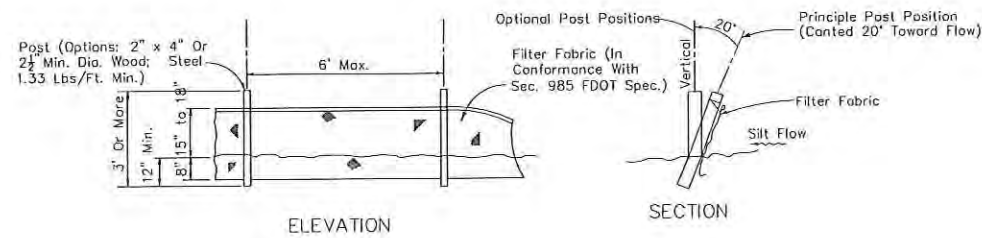


- NOTE:
1. BACK EDGE OF APRON TO MATCH SIDEWALK GRADE; SLOPE ACCORDINGLY

CATCH BASIN APRON

REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL	<i>DRAINAGE DETAILS</i>	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				16

SWPPP – DETAILS



PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

NOTES:
Total Acreage of Disturbed Soil 0.51 AC
PW NPDES Permit No. _____
Date Issued: _____

STORM WATER POLLUTION PREVENTION PRACTICES:
(FOR PROJECTS OF 0.5 ACRE OR MORE)

1. TREE PROTECTION AND PRUNING SHALL BE ACCOMPLISHED AS DETAILED IN SPECIAL PROVISIONS, THE CONSTRUCTION PLANS, AND OR PER TREE ORDINANCE 12636.
2. THE STORM WATER POLLUTION PREVENTION PLAN, SWPPP, SUBMITTED TO PUBLIC WORKS, SHALL DESCRIBE IN DETAIL HOW THE CONSTRUCTION EFFORT WILL BE PHASED WITH REGARDS TO MINIMIZING EROSION PROBLEMS BY THE USE OF TEMPORARY AND PERMANENT EROSION CONTROL MEASURES, FOR THE VARIOUS SEQUENCES OF CONSTRUCTION OPERATIONS.
3. ENVIRONMENTAL CONTROL FEATURES AS PROVIDED IN THE SWPPP, ARE TO BE INSTALLED AT ALL AREAS OF EXCAVATION OR FILL FOR DRAINAGE SYSTEM, OR STRUCTURE CONSTRUCTION PRIOR TO SUCH EXCAVATION OR FILL. INLET ENTRANCES ARE ALSO TO BE PROTECTED FROM SILTATION AS DETAILED ON THIS SHEET.
4. ALL ENVIRONMENTAL CONTROL FEATURES ARE TO BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT IN ACCORDANCE WITH N.P.D.E.S. REQUIREMENTS. THE CONTRACTOR MUST INSURE THAT ALL EROSION CONTROL FEATURES FUNCTION PROPERLY AT ALL TIMES.
5. ALL EROSION AND MATERIAL DEPOSITS MUST BE CONTAINED WITHIN THE PROJECT LIMITS.
6. ANY DAMAGED OR INEFFECTIVE ROCK BAGS ARE TO BE REPLACED WITH NEW ONES. THE LOCATION OF ROCK BAGS INSTALLATION IS AS MENTIONED IN THE SWPPP PLANS. THE PROJECT ENGINEER MAY SPECIFY OTHER AREAS AS NECESSARY.
7. DITCH BOTTOM INLETS SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL PROJECT IS COMPLETE. ELEVATION OF GROUND OUTSIDE INLET TOP SHALL NOT BE HIGHER THAN INLET TOP. ROCK BAGS SHALL BE INSTALLED AROUND INLET TOP. COMPLETED INLETS IN PAVED AREAS SHALL ALSO BE PROTECTED WITH ROCK BAGS TO PREVENT SEDIMENT INTAKE.
8. CURB INLETS ALSO SHALL BE PROTECTED FROM SEDIMENT INTAKE UNTIL THE PROJECT IS COMPLETE. ALL EXPOSED SLOPED MATERIAL ADJACENT TO INLET, SHALL BE COVERED WITH EROSION CONTROL MATTING WITH OUTER LIMITS PROTECTED BY ROCK BAGS.
9. STOCKPILED MATERIAL SHALL NOT BE LEFT IN EROSION PRONE AREAS UNLESS PROTECTED BY COVER OR ROCK BAGS.
10. INSPECTION OF EROSION CONTROL MEASURES AND CONDITION OF ADJACENT PROPERTIES, SHALL BE PERFORMED DAILY BY THE CONTRACTOR'S REPRESENTATIVE AND THE PROJECT ENGINEER. DEFICIENCIES SHALL BE NOTED AND CORRECTED.
11. ANY OFFSITE SEDIMENT DISCHARGE TO A MUNICIPAL SEPARATE STORM WATER SYSTEM ARISING FROM THE CONTRACTOR'S ACTIVITIES IS NOT ALLOWED.
12. THE USE OF SANITARY SEWERS, FRENCH DRAINS, COVER DITCHES AND/OR ROCK DRAINS FOR THE DISPOSAL OF WASTEWATER IS EXPRESSLY PROHIBITED.

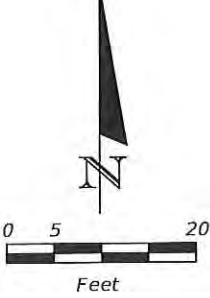
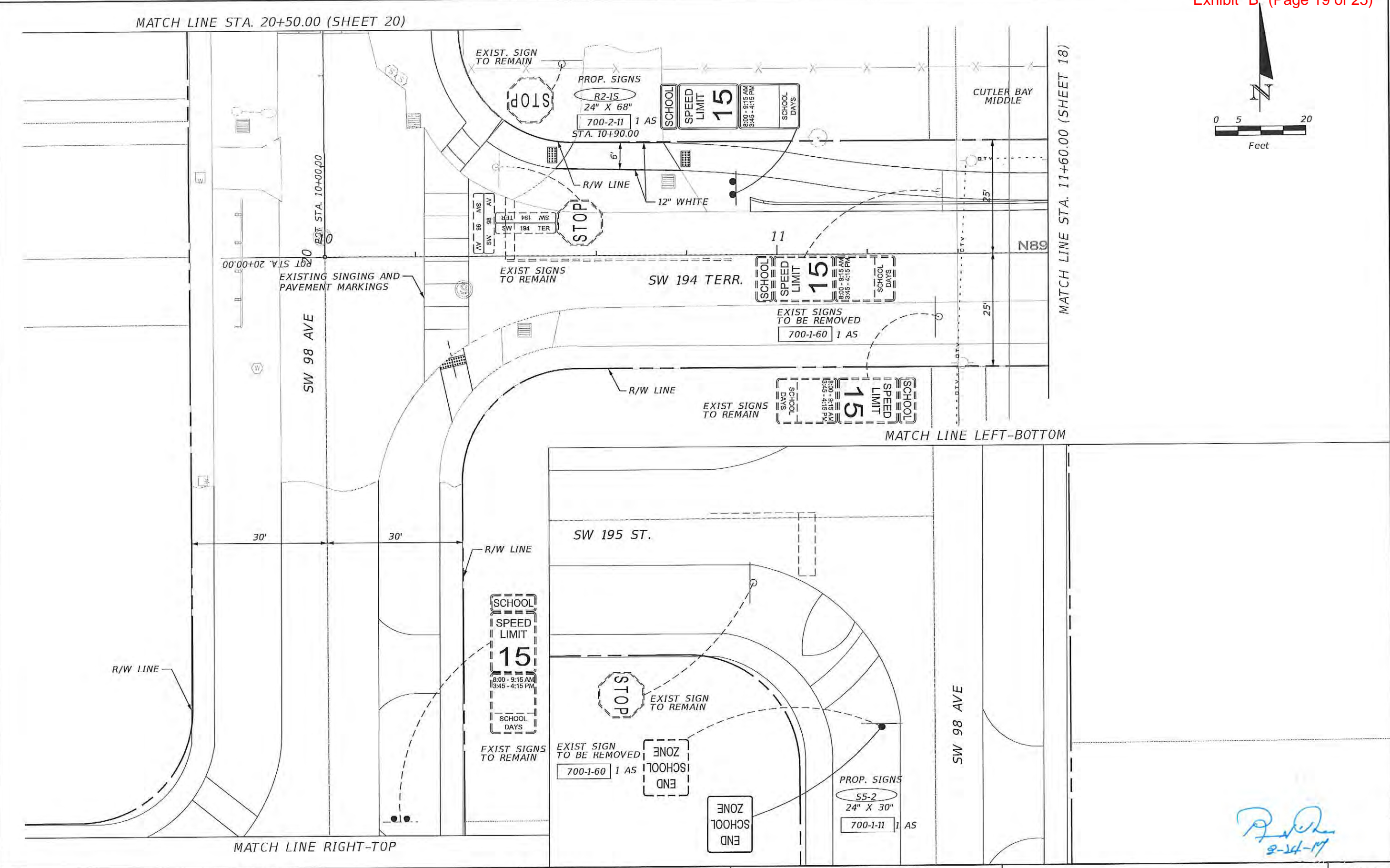
* NPDES – NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM
BMP – Best Management Practice.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP) CHECKLIST

- A. SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS:
 1. CLEARING & GRUBBING
 2. INSTALL DRAINAGE STRUCTURES
 3. CONCRETE SIDEWALK
 4. PLACEMENT OF ROCK BAGS AROUND INLETS
 5. PLACEMENT OF ROCK BAGS AROUND MANHOLES
 6. PAVEMENT MARKING
 7. REMOVE ROCK BAGS
 8. CLEAN ALL CONSTRUCTION DEBRIS FROM CONSTRUCTION SITE
- B. GENERAL
 1. APPROVED STATE, LOCAL PLANS OR STORM WATER PERMITS.
 2. ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES.
 3. ALL CONTROLS SHALL BE INSPECTED DAILY.
 4. APPLY FERTILIZERS AND PESTICIDES ACCORDING TO STANDARD SPECIFICATIONS, DESIGN AND SPECIAL PROVISIONS.
 5. REPORT NON-STORM WATER DISCHARGE (INCLUDING SPILL)
 6. VISIT www.dep.state.fl.us/water/stormwater/npdes/

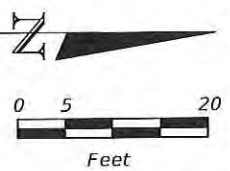
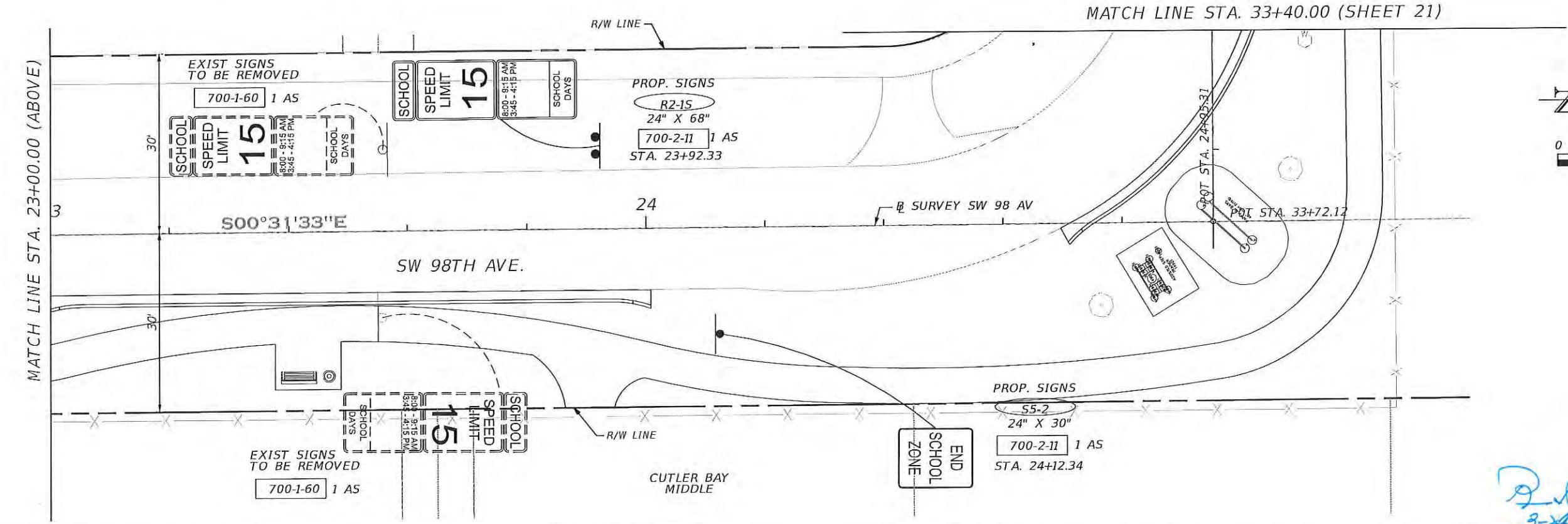
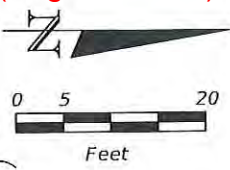
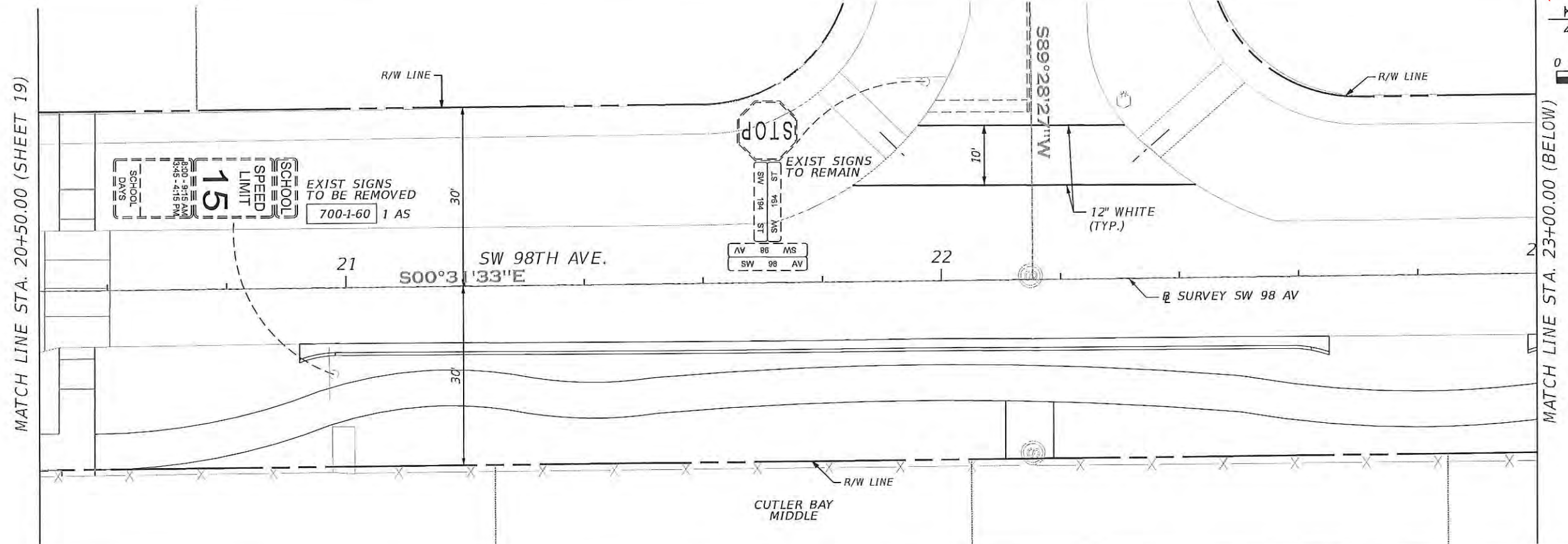
Bob
3-24-17

REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	SWPPP NOTES AND DETAILS	SHEET NO. 17
DATE	DESCRIPTION	DATE	DESCRIPTION				

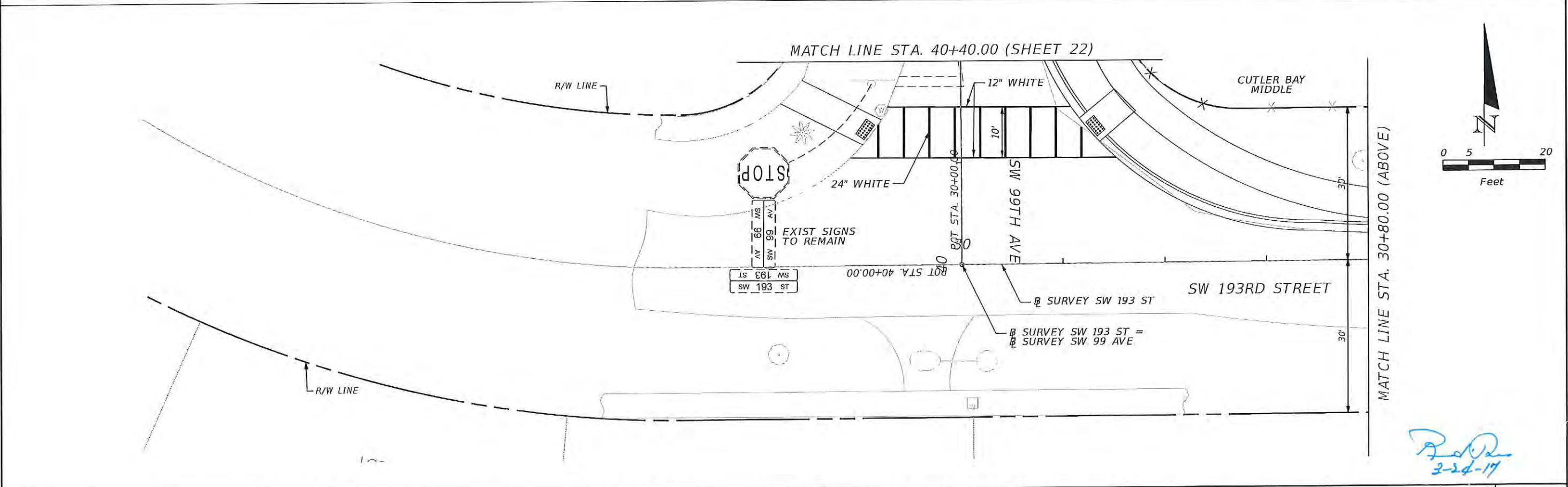
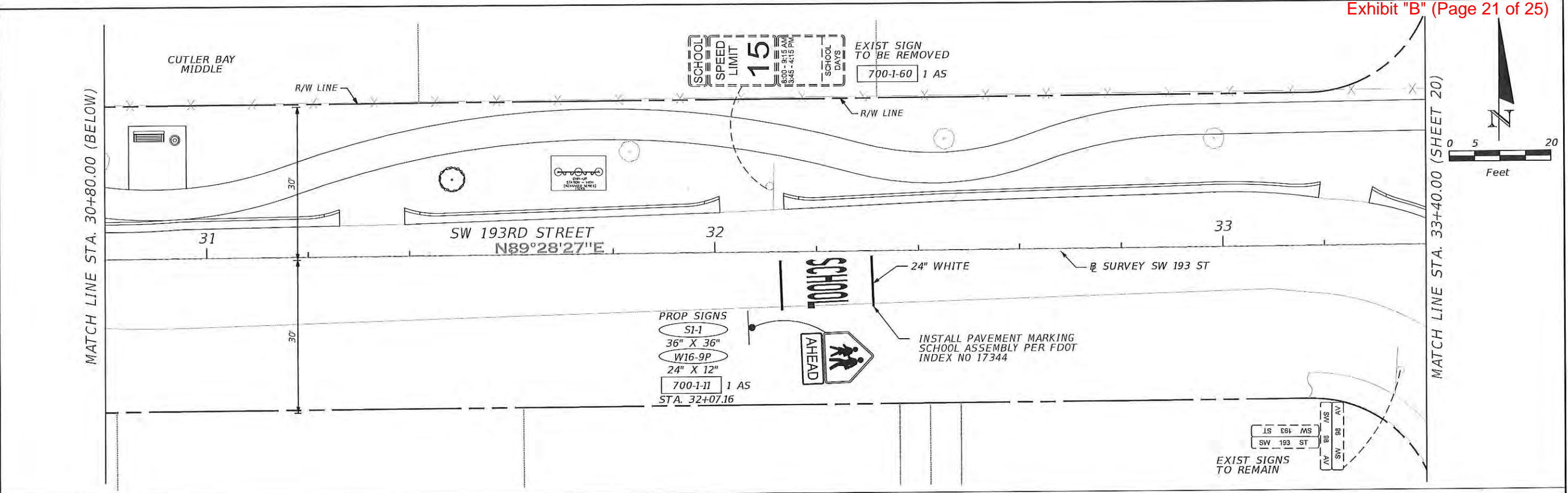


[Handwritten signature]
8-14-17

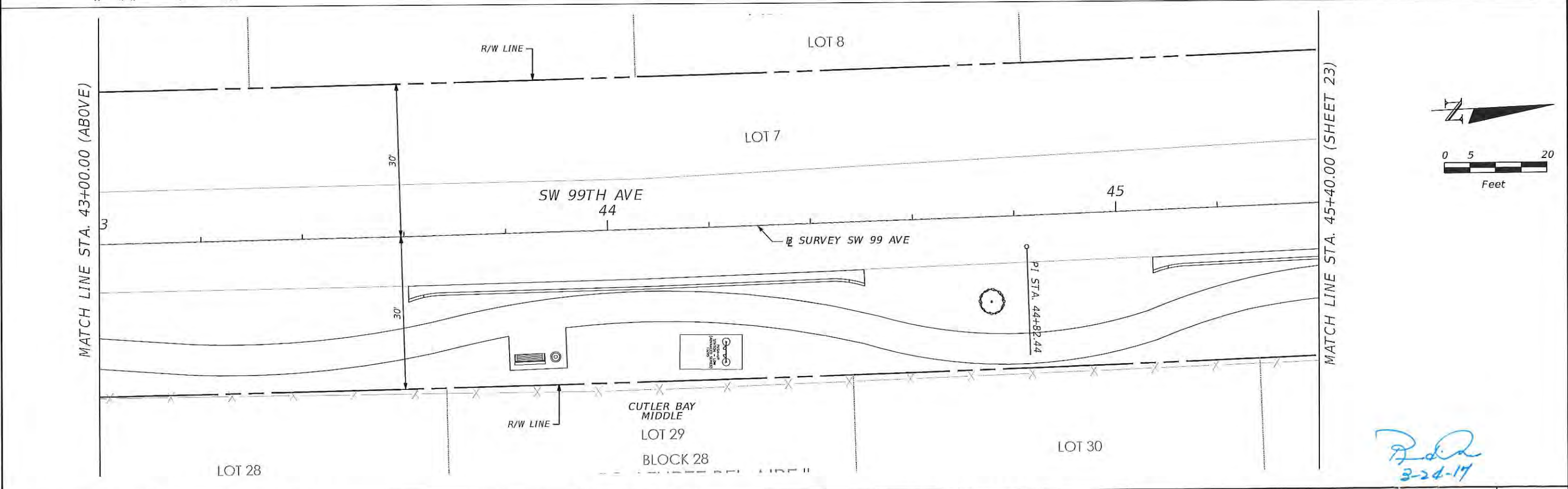
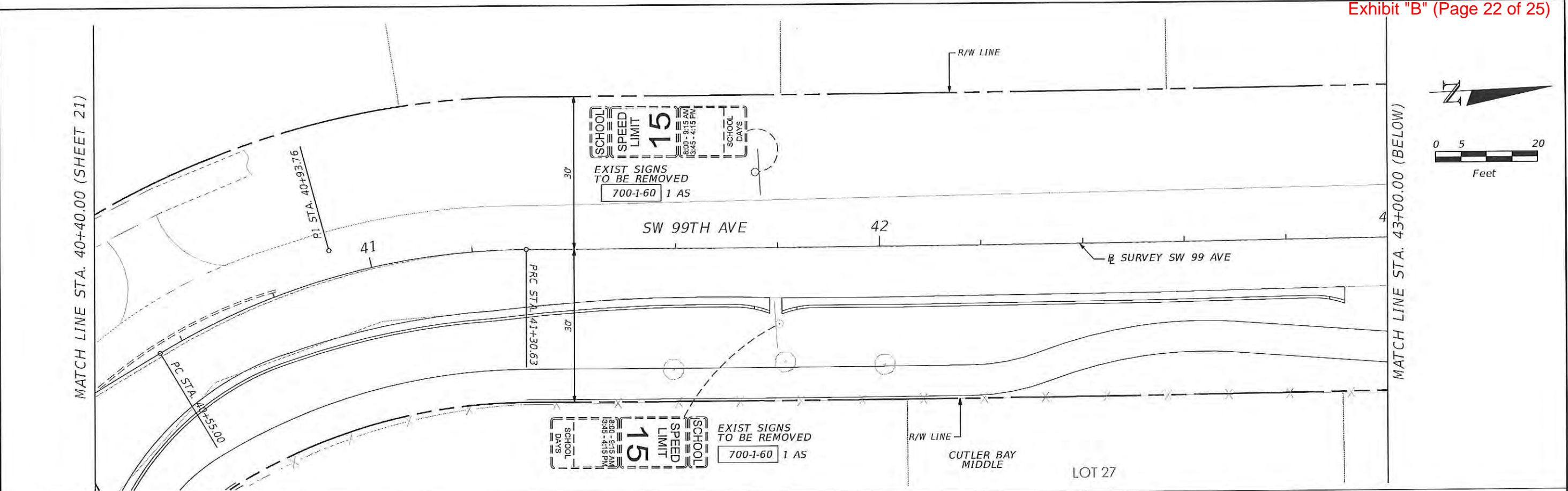
REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	SIGNING & PAVEMENT MARKING PLANS	SHEET NO. 19
DATE	DESCRIPTION	DATE	DESCRIPTION				



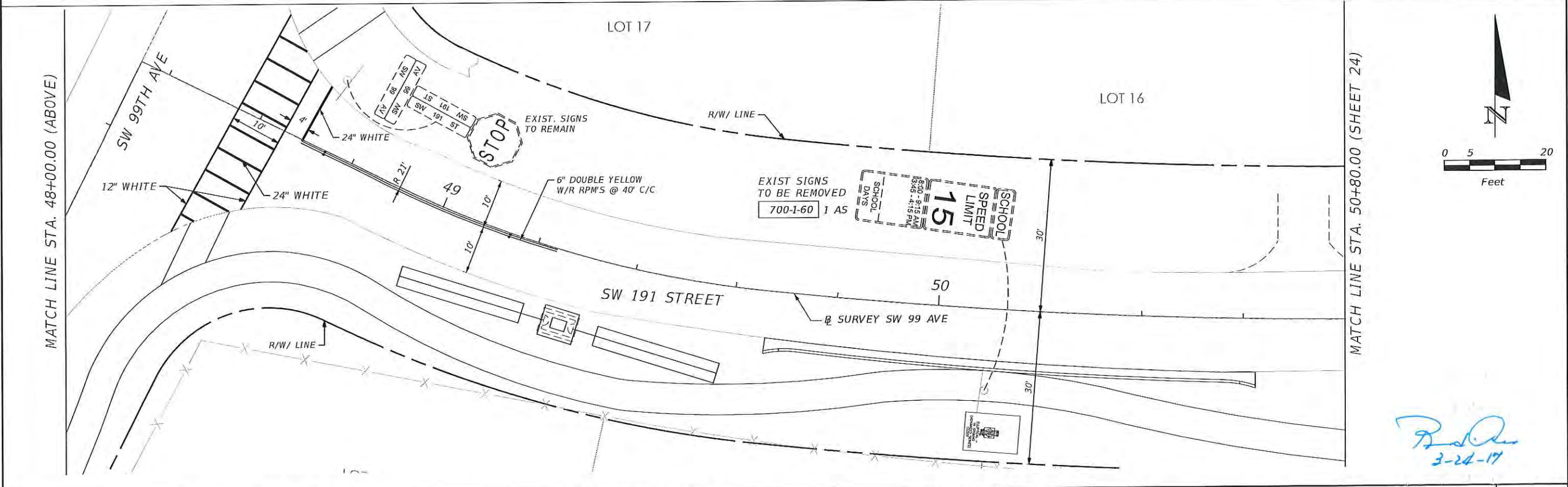
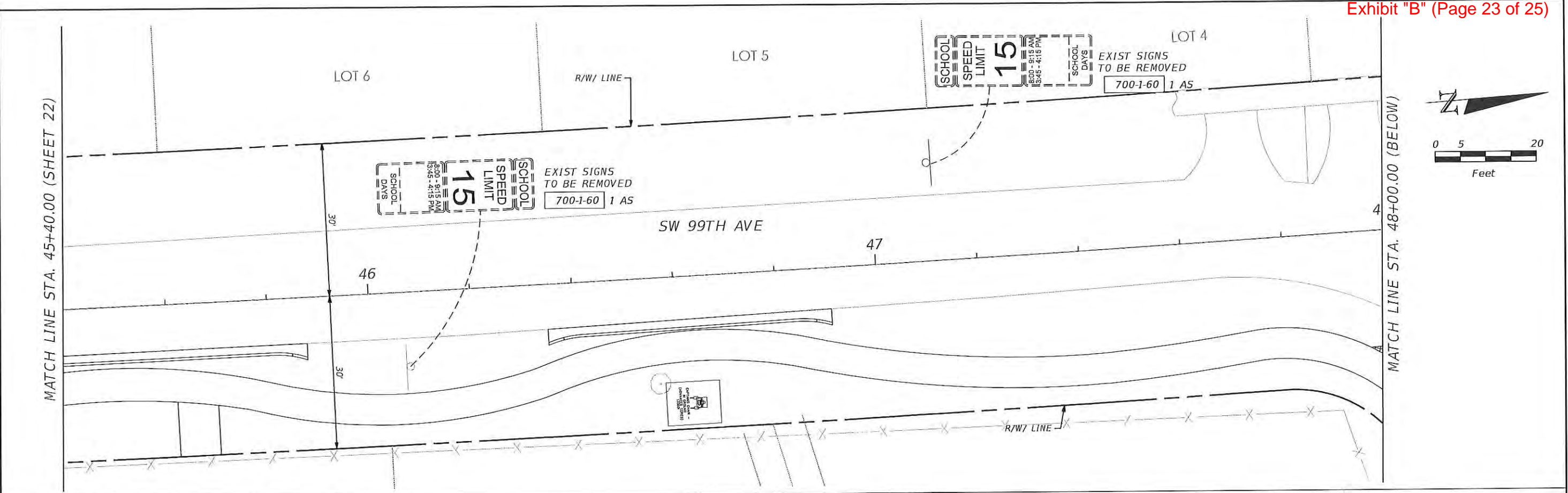
REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	SIGNING & PAVEMENT MARKING PLANS		SHEET NO. 20
DATE	DESCRIPTION	DATE	DESCRIPTION					



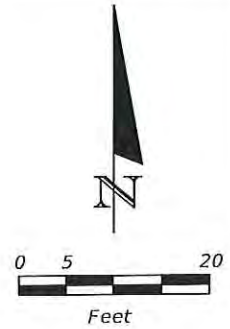
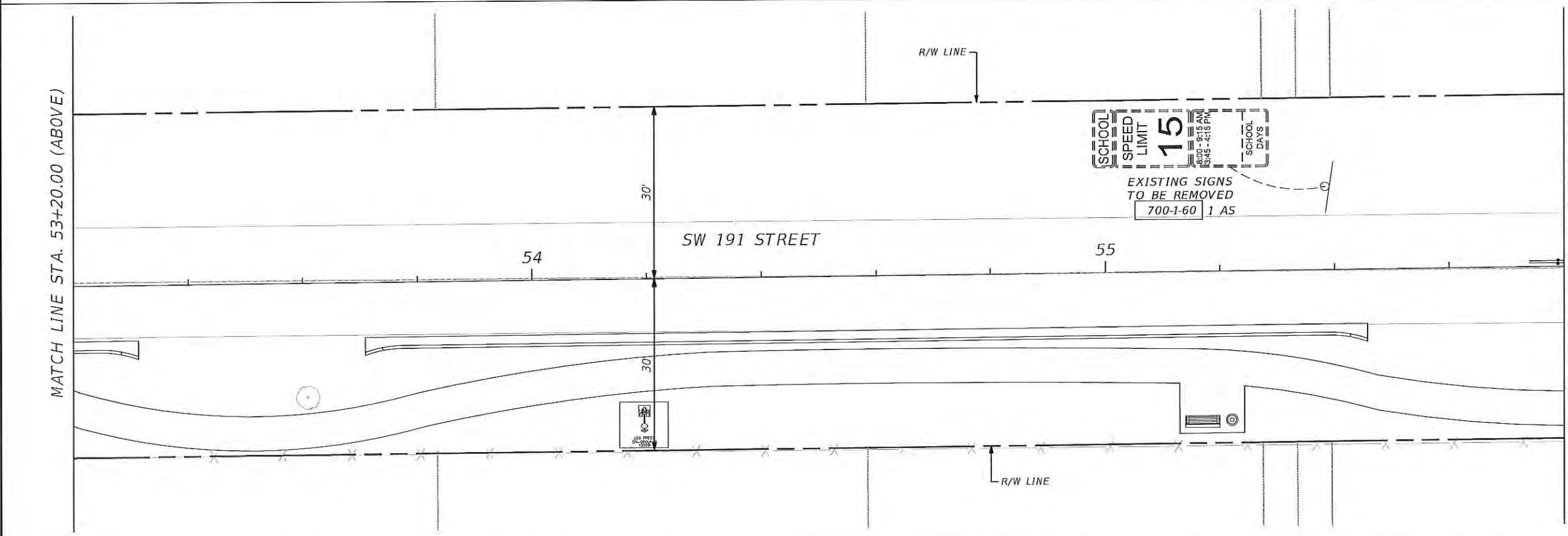
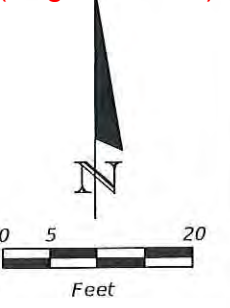
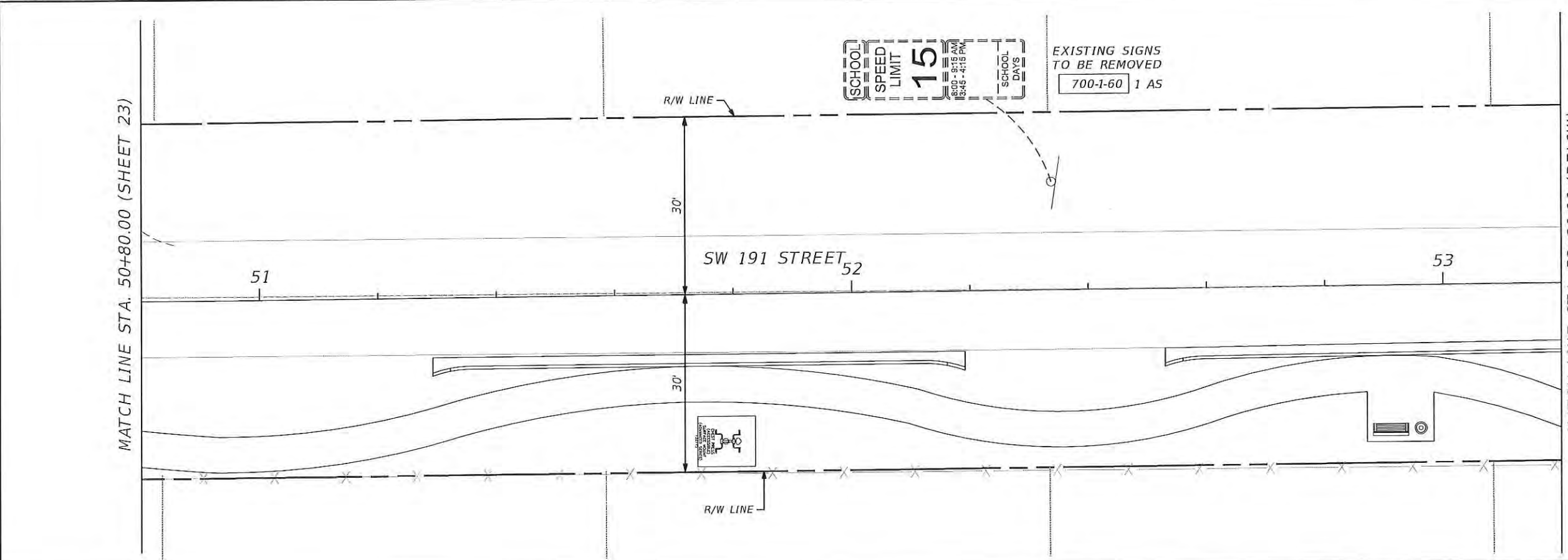
REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	SIGNING & PAVEMENT MARKING PLANS	SHEET NO. 21
DATE	DESCRIPTION	DATE	DESCRIPTION				



REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	SIGNING & PAVEMENT MARKING PLANS	SHEET NO. 22
DATE	DESCRIPTION	DATE	DESCRIPTION				

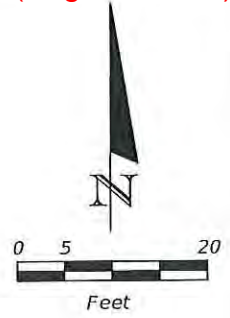
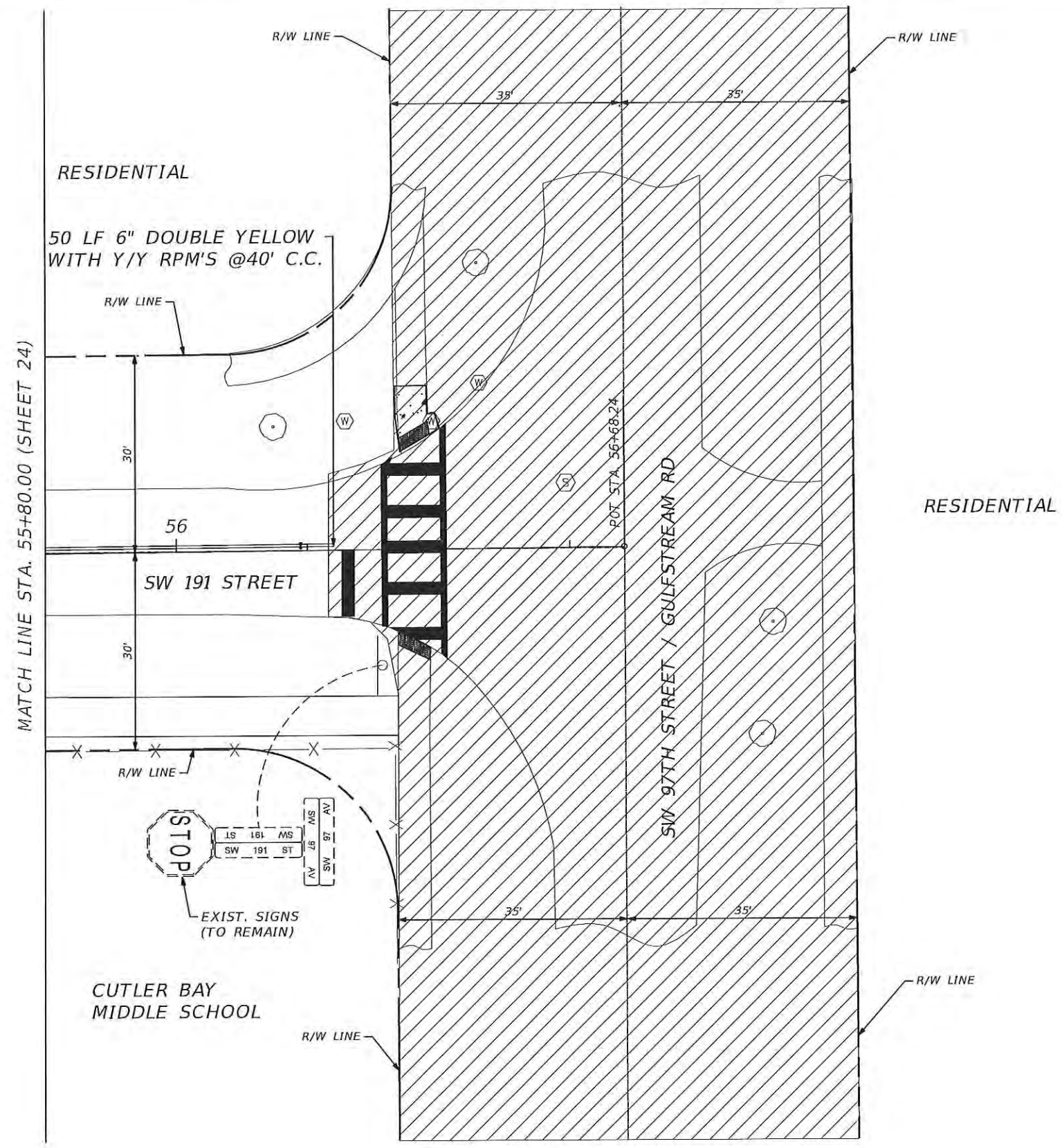


REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	SIGNING & PAVEMENT MARKING PLANS	SHEET NO. 23
DATE	DESCRIPTION	DATE	DESCRIPTION				




R.D.R.
3-26-17

REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	SIGNING & PAVEMENT MARKING PLANS	SHEET NO. 24
DATE	DESCRIPTION	DATE	DESCRIPTION				



Redacted signature
3-24-17

LEGEND:

 DENOTES WORK TO BE DONE BY OTHERS (KIMLEY HORN PROJECT)

REVISIONS				ROBERT J BEHAR, P.E. P.E. NO.: 21755 RJ BEHAR & COMPANY, INC. 6861 SW 196 AVENUE, SUITE 302 PEMBROKE PINES, FL 33332 CERTIFICATE OF AUTHORIZATION: 00008365	TOWN OF CUTLER BAY CUTLER BAY MIDDLE SCHOOL PERIMETER PEDESTRIAN - SIDEWALK	SIGNING & PAVEMENT MARKING PLANS	SHEET NO. 25
DATE	DESCRIPTION	DATE	DESCRIPTION				