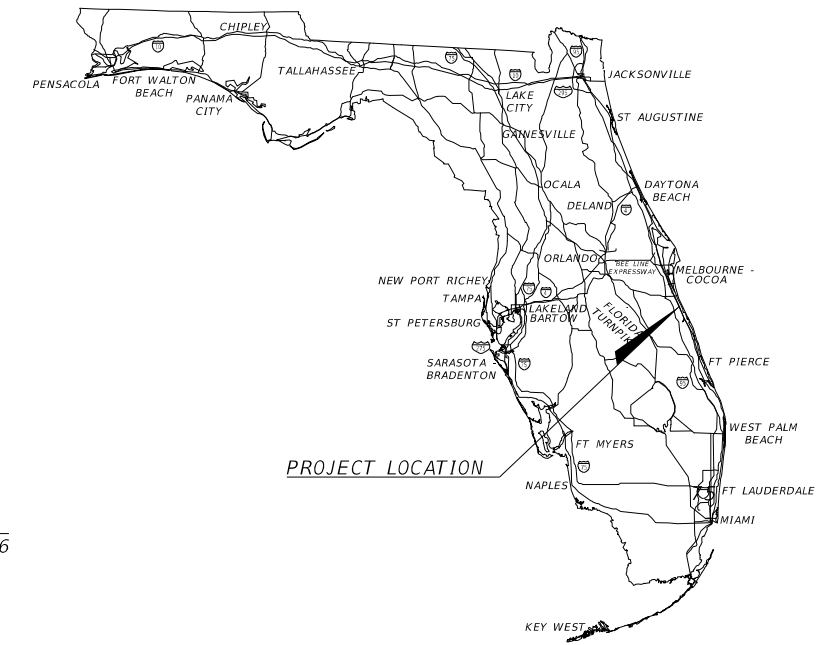


COMPONENTS OF CONTRACT PLANS SET
ROADWAY PLANS
SIGNALIZATION PLANS

INDIAN RIVER COUNTY PUBLIC WORKS

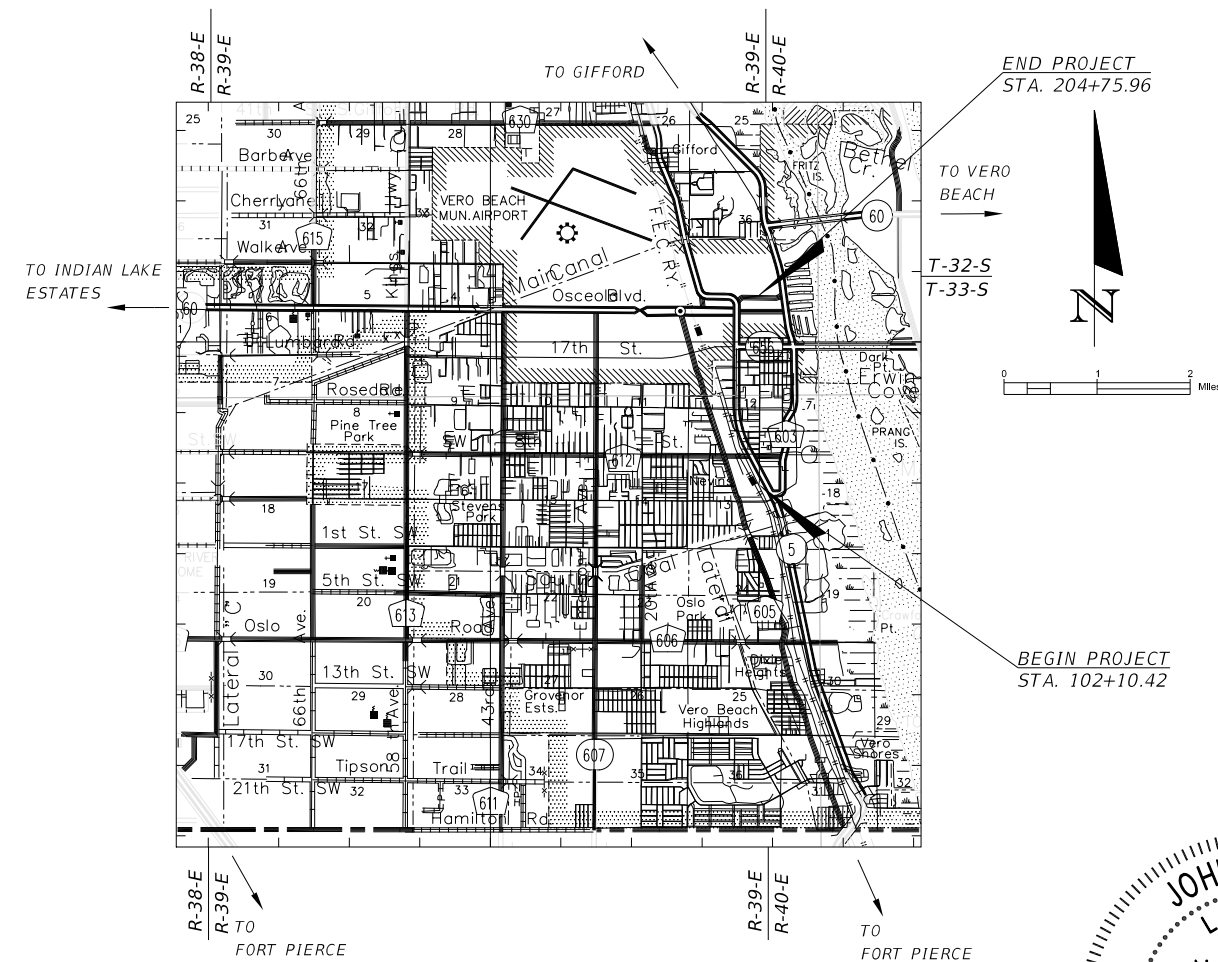
CONTRACT PLANS

INDIAN RIVER COUNTY PROJECT NO. 1638
FPID 438074-1-54-01
6TH AVENUE MILLING & RESURFACING
FROM U.S. 1/S.R. 5 TO 21ST STREET
INDIAN RIVER COUNTY (88020)



INDEX OF ROADWAY PLANS

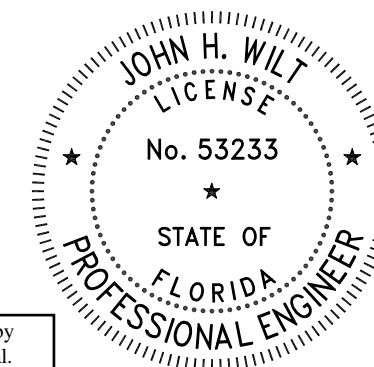
SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	SUMMARY OF PAY ITEMS
3 - 4	TYPICAL SECTIONS
5 - 6	PROJECT LAYOUT
7 - 8	GENERAL NOTES
9 - 43	ROADWAY PLANS
44 - 47	ROADWAY CROSS SECTIONS
48 - 51	STORMWATER POLLUTION PREVENTION PLAN
52	CONDUIT INSTALLATION DETAIL
53 - 54	SPECIAL DETAILS



ROADWAY PLANS ENGINEER OF RECORD:

JOHN H. WILT, P.E.
P.E. NO.: 53233
ATKINS NORTH AMERICA, INC.
7175 MURRELL RD.
MELBOURNE, FL, 32940
VENDOR NO.: 59-0896138.007
CERTIFICATE OF AUTHORIZATION NO.: 24

PROJECT DESIGNED TO FDOT
RESURFACING, RESTORATION, AND
REHABILITATION (RRR) CRITERIA



100% SUBMITTAL
June 25, 2021

GOVERNING DESIGN STANDARDS:

Florida Department of Transportation, FY 17-18 Design Standards for Road and Bridge Construction and applicable Interim Revisions (Irs).

Standard Plans for Road Construction and associated Irs are available at the following website:

<https://www.fdot.gov/roadway/DS/18/STDs.shtm>
APPLICABLE Irs: IR536-001-01, IR521-001-01

Standard Plans for Bridge Construction are included in the Structures Plans Component.

GOVERNING STANDARD SPECIFICATIONS:

Florida Department of Transportation, July, 2018 Standard Specifications for Road and Bridge Construction at the following website:

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

This item has been digitally signed and sealed by John H. Wilt, PE on the date adjacent to the seal.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

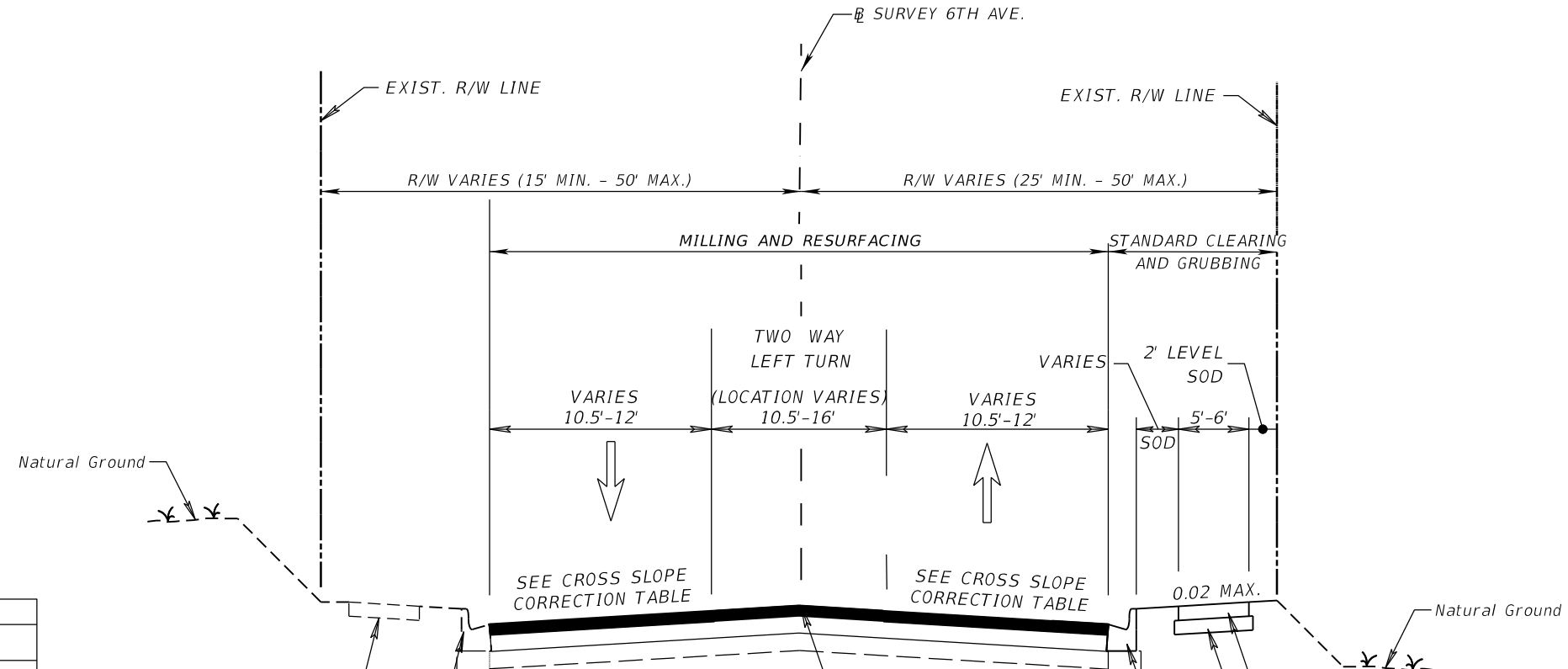
CONSTRUCTION CONTRACT NO.	FISCAL YEAR	SHEET NO.
T-0000	19	1

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	
			PLAN	FINAL
0101 1	MOBILIZATION	LS		1
0102 1	MAINTENANCE OF TRAFFIC	LS		1
0104 1	EROSION CONTROL	LS		1
0110 1 1	STANDARD CLEARING & GRUBBING	AC		13.5
0110 4 10	REMOVAL OF EXISTING CONCRETE PAVEMENT/ REMOVAL OF EXISTING CONCRETE	SY		1220
0120 1	REGULAR EXCAVATION	CY		313
0120 6	EMBANKMENT	CY		156
0160 4	STABILIZATION TYPE B	SY		20
0286 1	TURNOUT CONSTRUCTION/ DRIVEWAY BASE - OPTIONAL MATERIALS	SY		20
0327 70 6	MILLING EXISTING ASPHALT PAVEMENT (1-1/2" AVG DEPTH)	SY		39457
0337 7 83	ASPHALTIC CONCRETE FRICTION COURSE (TRAFFIC C)(FC 12.5)(PG 76-22)	TN		4053.2
0400 0 11	CONCRETE CLASS NS, GRAVITY WALL	CY		1.33
0425 6	VALVE BOXES, ADJUST	EA		15
0425 15 52	INLET TOP, REPLACE, DITCH BOTTOM INLET	EA		1
0515 1 2	PIPE HANDRAIL - GUIDERAIL, ALUMINUM	LF		14
0520 1 10	CONCRETE CURB & GUTTER, TYPE F	LF		879
0522 2	CONCRETE SIDEWALKS & DRIVEWAYS, 6" THICK (3,000 PSI Fibermesh Reinforced)	SY		3158
0527 2	DETECTABLE WARNINGS	SF		948
570 1 2	PERFORMANCE TURF, SOD (BAHIA)	SY		1533
0630 2 11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH	LF		3044
0630 2 12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF		7870
0632 7 1	SIGNAL CABLE - NEW OR RECONSTRUCTED INTERSECTION, FURNISH & INSTALL	PI		3
0633 1 123	FIBER OPTIC CABLE, F&I, UNDERGROUND,49-96 FIBERS	LF		12918
0635 2 11	PULL & SPLICE BOX, F&I, 13" X 24" COVER SIZE	EA		54
0635 2 12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE	EA		25
0635 2 13	PULL & SPLICE BOX, F&I, 30" X 60" RECTANGULAR OR 36" ROUND COVER SIZE	EA		7
0646 1 11	ALUMINUM SIGNALS POLE, PEDESTAL	EA		4
0646 1 12	ALUMINUM SIGNALS POLE, FURNISH & INSTALL PEDESTRIAN DETECTOR POST	EA		5
0646 1 60	ALUMINUM SIGNALS POLE, REMOVE	EA		4
0653 1 11	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 1 WAY	AS		7
0653 1 12	PEDESTRIAN SIGNAL, FURNISH & INSTALL LED COUNTDOWN, 2 WAYS	AS		4
0653 1 60	PEDESTRIAN SIGNAL, REMOVE PED SIGNAL- POLE/PEDESTAL TO REMAIN	AS		9
0665 1 11	PEDESTRIAN DETECTOR, FURNISH & INSTALL, STANDARD	EA		15
0665 1 40	PEDESTRIAN DETECTOR, RELOCATE	EA		1
0665 1 50	PEDESTRIAN DETECTOR, ADJUST/MODIFY ON EXISTING POLE	EA		1
0665 1 60	PEDESTRIAN DETECTOR, REMOVE- POLE/PEDESTAL TO REMAIN	EA		8
0676 1 500	TRAFFIC SIGNAL CONTROLLER CABINET, ADJUST/MODIFY	EA		3
0700 1 11	SINGLE POST SIGN, F&I GROUND MOUNT, UP TO 12 SF	AS		1
0700 1 50	SINGLE POST SIGN, RELOCATE	AS		6
0706 1 1	RAISED PAVEMENT MARKER, TYPE B WITHOUT FINAL SURFACE MARKINGS	EA		699
0710 90	PAINTED PAVEMENT MARKINGS, FINAL SURFACE	LS		1
0711 11123	THERMOPLASTIC, STANDARD, WHITE, SOLID, 12" FOR CROSSWALK AND ROUNDABOUT	LF		2894
0711 11125	THERMOPLASTIC, STANDARD, WHITE, SOLID, 24" FOR STOP LINES AND CROSSWALK	LF		674
0711 11160	THERMOPLASTIC, STANDARD, WHITE, MESSAGE OR SYMBOL	EA		71
0711 11170	THERMOPLASTIC, STANDARD, WHITE, ARROWS	EA		34
0711 11224	THERMOPLASTIC, STANDARD, YELLOW, SOLID, 18" FOR DIAGONALS AND CHEVRONS	LF		221
0711 16101	THERMOPLASTIC, STANDARD-OTHER SURFACES, WHITE, SOLID, 6"	GM		3.410
0711 16131	THERMOPLASTIC, OTHER SURFACES, WHITE, SKIP, 6",10-30 SKIP OR 3-9 LANE DROP	GM		0.032
0711 16201	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SOLID, 6"	GM		3.444
0711 16231	THERMOPLASTIC, STANDARD-OTHER SURFACES, YELLOW, SKIP, 6"	GM		0.112
1080 21108	UTILITY FIXTURE, VALVE BOX, FURNISH & INSTALL, 8"	EA		41
0999 1	AS BUILT DRAWING (BY REGISTERED SURVEYOR)	LS		1

PAY ITEM NOTES:

- 110 1 1: THIS PAY ITEM SHALL INCLUDE ALL WORK AS DESCRIBED IN GENERAL NOTE 22.
- 110-1-1 THE COST FOR REMOVING AND RESETTING EXISTING MAILBOXES, RELOCATING AND RESETTING EXISTING SIGNS, PAVEMENT MARKING REMOVAL AND ALL OTHER DEMOLITION ITEMS SHOWN ON THE PLANS NOT OTHERWISE CATEGORIZED IN THE SUMMARY OF PAY ITEMS SHALL BE INCLUDED IN THIS PAY ITEM.
- 0120 6: THIS PAY ITEM SHALL INCLUDE THE COST OF THE BACKFILL FOR AREAS WHERE EXISTING SIDEWALK IS REMOVED
- 0337 7 83: THIS PAY ITEM SHALL INCLUDE THE COST OF STAMPED ASPHALT AT PEDESTRIAN CROSSINGS, THE COST OF OVERBUILD FOR CROSS SLOPE CORRECTION, AND THE COST OF ACTIVE TRAFFIC LOOP RESTORATION.
- 0520 1 10: UNIT PRICE INCLUDES THE COST TO CONSTRUCT FLUMES AND FLARED END SECTIONS.
- 0522 2: THIS PAY ITEM SHALL INCLUDE THE COST OF REPLACEMENT SIDEWALK PANELS AND THE COST OF SUBGRADE COMPATION.
- 570-1-2: THE COST FOR ANY DIFFERENT TYPES OF SOD NEEDED TO MATCH EXISTING SHALL BE INCLUDED IN THIS PAY ITEM.
- 0630 2 11: THIS PAY ITEM SHALL INCLUDE THE CUTTING OF TREE ROOTS BELOW GRADE DURING UNDERGROUND CONDUIT INSTALLATION AT NO ADDITIONAL COST TO THE COUNTY.
- 0635 2 11 AND 0635 2 12: THIS PAY ITEM SHALL INCLUDE THE COST OF CONCRETE APRON AT LOCATION NOTED IN THE PLANS IN ACCORDANCE WITH FDOT STANDARD INDEX 17700.
- 0706 3: THIS PAY ITEM SHALL INCLUDE THE COST OF REMOVING RETRO REFLECTICE MARKERS AND REPLACING FIRE HYDRANT MARKERS.

REVISIONS				JOHN H. WILT, P.E. P.E. LICENSE NUMBER 53233 ATKINS NORTH AMERICA, INC. 7175 MURRELL RD. MELBOURNE, FL 32940 CERTIFICATE OF AUTHORIZATION 24	INDIAN RIVER COUNTY PUBLIC WORKS 6TH AVENUE RESURFACING	SUMMARY OF PAY ITEMS	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				2



***CROSS SLOPE CORRECTION TABLE**

LOCATION	SIDE	LENGTH	NOTES
102+10 TO 121+20	LT/RT	1,910.00	1,3,4,6,7,8,9
115+00 TO 121+20	LT/RT	620.00	1,3,4,6,7,8,9
121+20 TO 130+00	LT/RT	880.00	2,3,4,6,7,8,9
131+50 TO 144+00	LT	1,250.00	5,6,7,8,9
131+50 TO 144+00	RT	1,250.00	1,3,4,6,7,8,9
145+00 TO 147+00	LT	200.00	2,3,4,6,7,8,9
147+00 TO 157+50	LT	1,050.00	1,3,4,6,7,8,9
145+00 TO 152+00	RT	700.00	1,3,4,6,7,8,9
152+00 TO 157+50	RT	550.00	2,3,4,6,7,8,9
157+50 TO 176+80	LT	1,930.00	5,6,7,8,9
157+50 TO 176+80	RT	1,930.00	1,3,4,6,7,8,9
178+20 TO 197+00	LT	1,880.00	1,3,4,6,7,8,9
178+20 TO 183+80	RT	560.00	5,6,7,8,9
184+60 TO 197+00	RT	1,240.00	1,3,4,6,7,8,9
198+00 TO 203+80	LT/RT	580.00	1,3,4,6,7,8,9

- NOTES:
- MILL AND RESURFACE TO PROVIDE 2% CROSS SLOPE, MATCH EXISTING CROSS SLOPE DIRECTION.
 - EXISTING CROSS -SLOPE IS LESS THAN MINIMUM OVER THE LIMITS LISTED AND WILL REQUIRE MILLING FOR SLOPE TO IMPROVE EXISTING CONDITION.
 - CONTRACTOR SHALL HOLD PAVEMENT CROWN ELEVATIONS AND ADJUST MILLING DEPTH AND CROSS SLOPE TO IMPROVE THE PAVED CROSS SLOPE.
 - MILLING DEPTH SHALL NOT EXCEED THE EXISTING ASPHALT THICKNESS, WHERE NECESSARY CONTRACTOR SHALL PROVIDE TAPERED OVERBUILD TO ACHIEVE THE DESIGN CROSS SLOPE
 - MILL TO IMPROVE CROSS SLOPE. MATCH EXISTING CROSS SLOPE DIRECTION, HOLD CENTERLINE ELEVATION.
 - WHERE PAVEMENT ABUTS CURB THE MILLING OPERATION SHALL HOLD THE EDGE OF PAVEMENT ELEVATION MINUS THE MILL DEPTH.
 - IMPROVED SURFACE CROSS SLOPE SHALL NOT BE LESS THAN 1.6% NOR EXCEED 3% UNLESS APPROVED BY THE ENGINEER OF RECORD.
 - MILL & RESURFACE INTERSECTIONS TO MATCH EXISTING CROSS SLOPE AND DRAINAGE PATTERNS.
 - CENTERLINE AND CURB LINE ELEVATIONS MAY BE OBTAINED FROM THE PROJECT SURVEY

TYPICAL SECTION NO. 1
6TH AVENUE
STA. 102+10.42 TO STA. 176+77.92
AND
STA. 178+22.27 TO STA. 204+66.72
DESIGN SPEED= 30 MPH
POSTED SPEED= 30 MPH

MILLING MAINLINE

MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (1 1/2")

RESURFACING

FRICITION COURSE FC-12.5 (TRAFFIC C) (1 1/2") PG 76-22

EXIST. CONCRETE SIDEWALK
 EXIST. CURB AND GUTTER
 TYPE F (LOCATION VARIES)

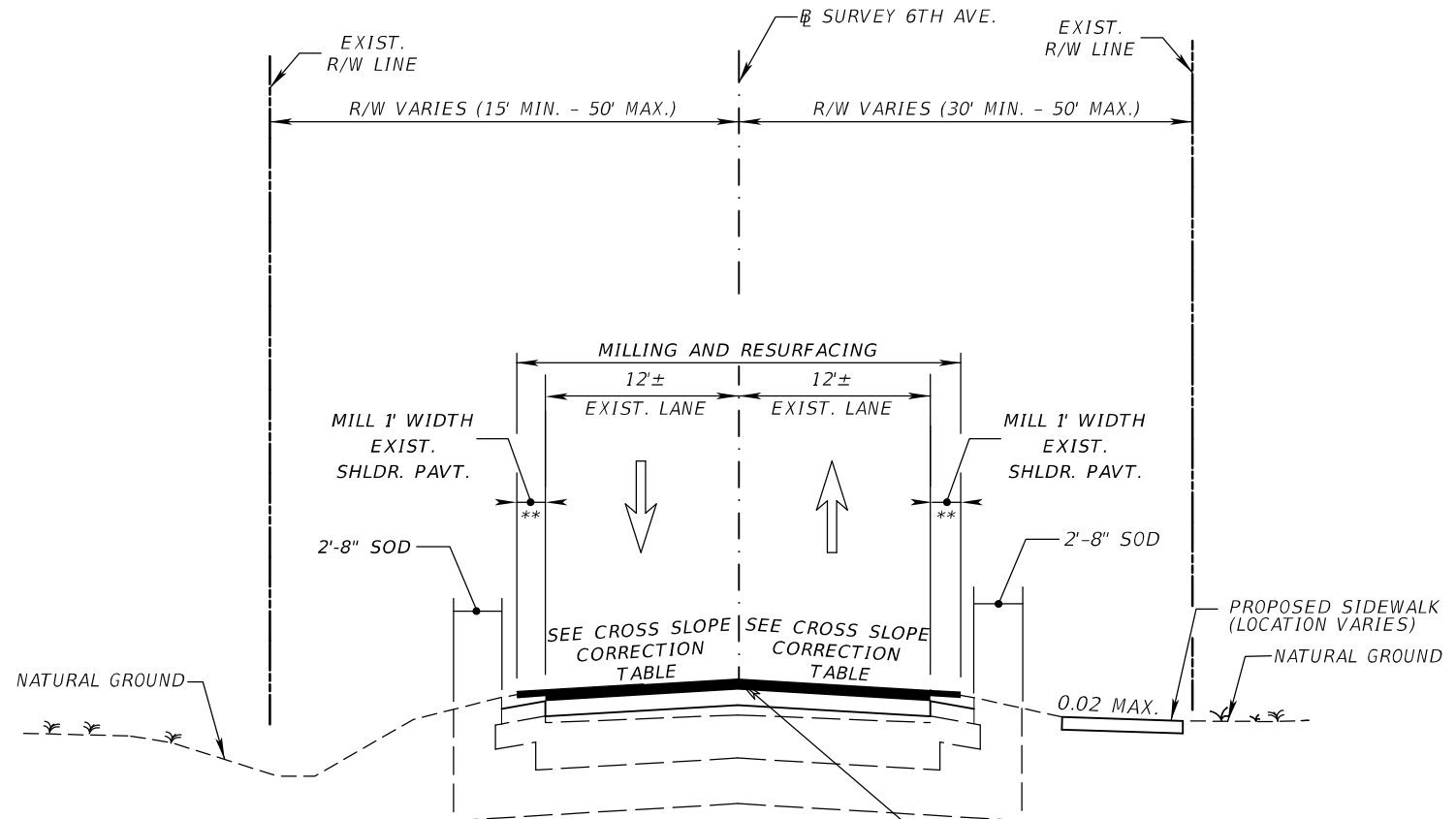
MILLING CONTROL POINT/
 CROWN POINT

PROPOSED CONCRETE SIDEWALK
 (LOCATION AND CROSS SLOPE DIRECTION VARIES)
 CONCRETE: 6", 3000 PSI FIBER REINFORCED. LIGHT BROOM
 FINISH, CURED WITH A WHITE COMPOUND AS PER FDOT
 STANDARD SPECIFICATION SECTION 925-2.1.

SUBGRADE: 6", COMPACTED TO A MINIMUM OF 98% MAX.
 DENSITY - AASHTO T-180

CURB AND GUTTER
 TYPE F (LOCATION VARIES)

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DATE	DESCRIPTION	DATE	DESCRIPTION				
					6TH AVENUE RESURFACING		



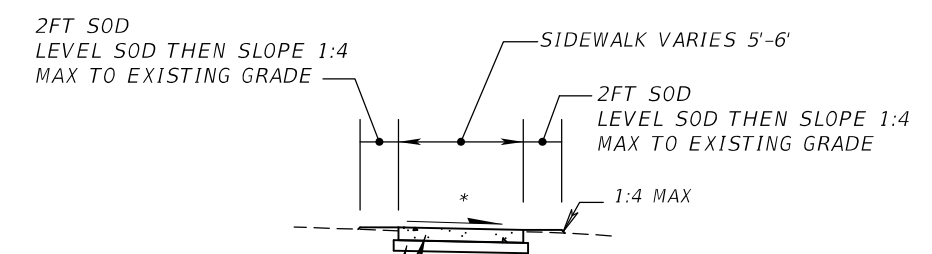
TYPICAL SECTION NO. 2
6TH AVENUE
STA. 102+10.42 TO 176+77.92
AND
STA. 178+22.27 TO STA. 204+66.72
DESIGN SPEED= 30 MPH
POSTED SPEED= 30 MPH

MILLING MAINLINE & SHOULDER

MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (1 1/2")

RESURFACING

FRICITION COURSE FC-12.5 (TRAFFIC C) (1 1/2") PG 76-22



CONCRETE: 6", 3000 PSI FIBER REINFORCED. LIGHT BROOM FINISH, CURED WITH A WHITE COMPOUND AS PER FDOT STANDARD SPECIFICATION SECTION 925-2.1.

SUBGRADE: 6", COMPACTED TO A MINIMUM OF 98% MAX. DENSITY - AASHTO T-180

* MATCH EXISTING CROSS SLOPE DIRECTION TO NOT IMPEDE EXISTING DRAINAGE PATTERN

** MILL EXISTING SHOULDER 1' AND RESURFACE TO MATCH PAVEMENT SLOPE

PROPOSED SIDEWALK DETAIL
 (6" THICK SIDEWALK WITH FIBERMESH)

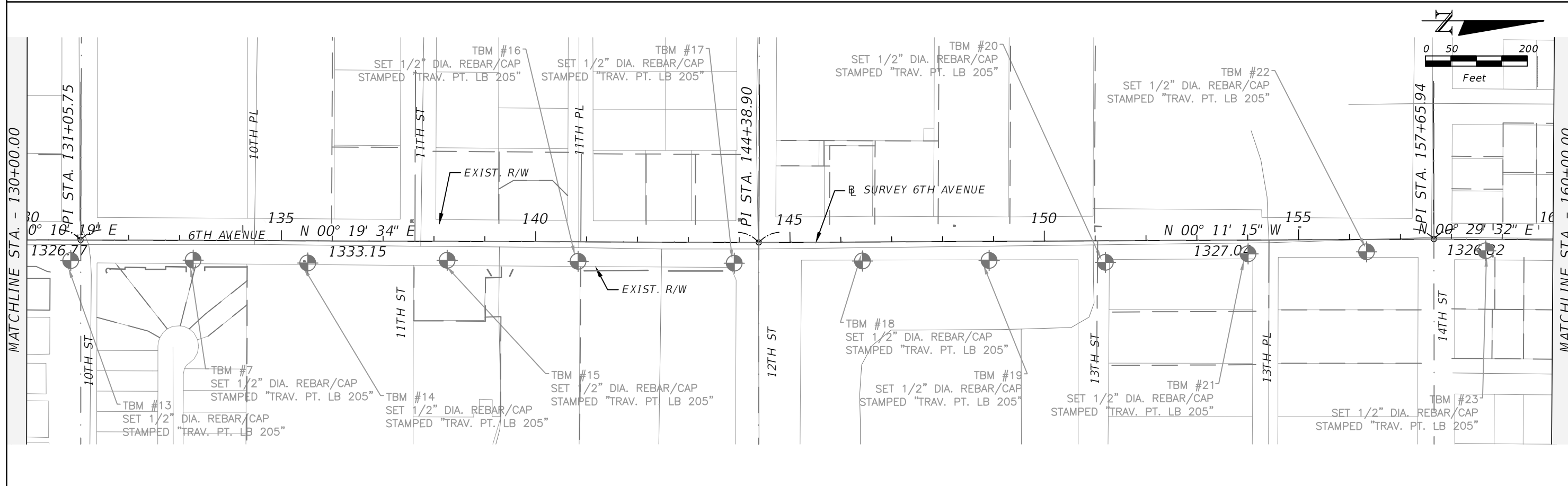
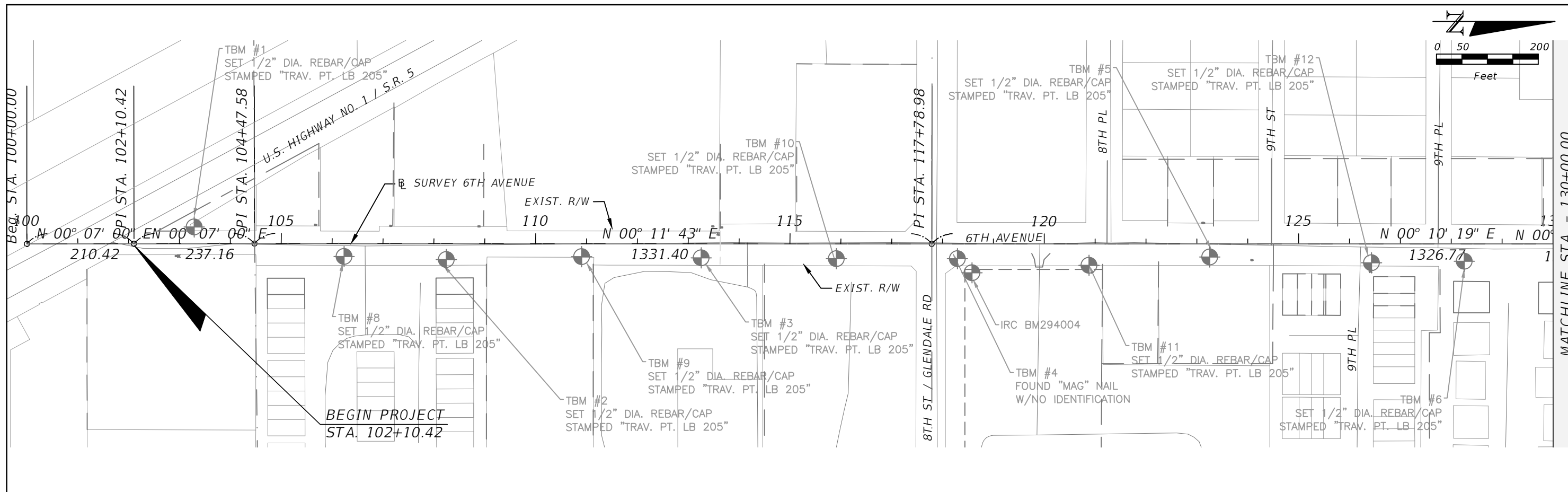
NOTE:
 SEE INDEX 310 SHEET 2 OF 2 FOR CONCRETE SIDEWALK ON FLUSH SHOULDER ROADWAYS.

*CROSS SLOPE CORRECTION TABLE			
LOCATION	SIDE	LENGTH	NOTES
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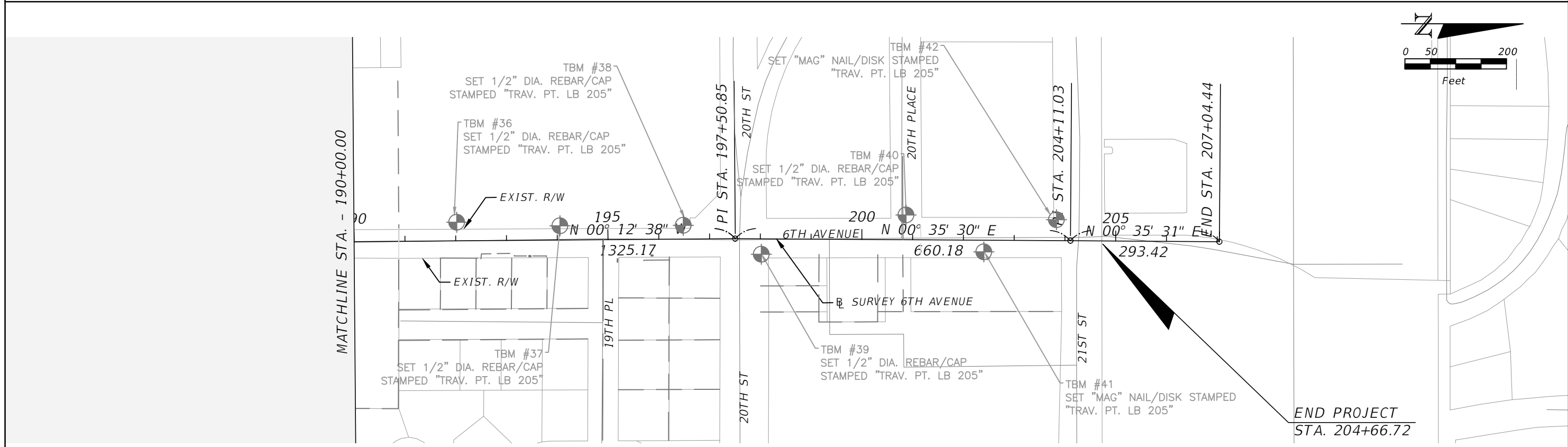
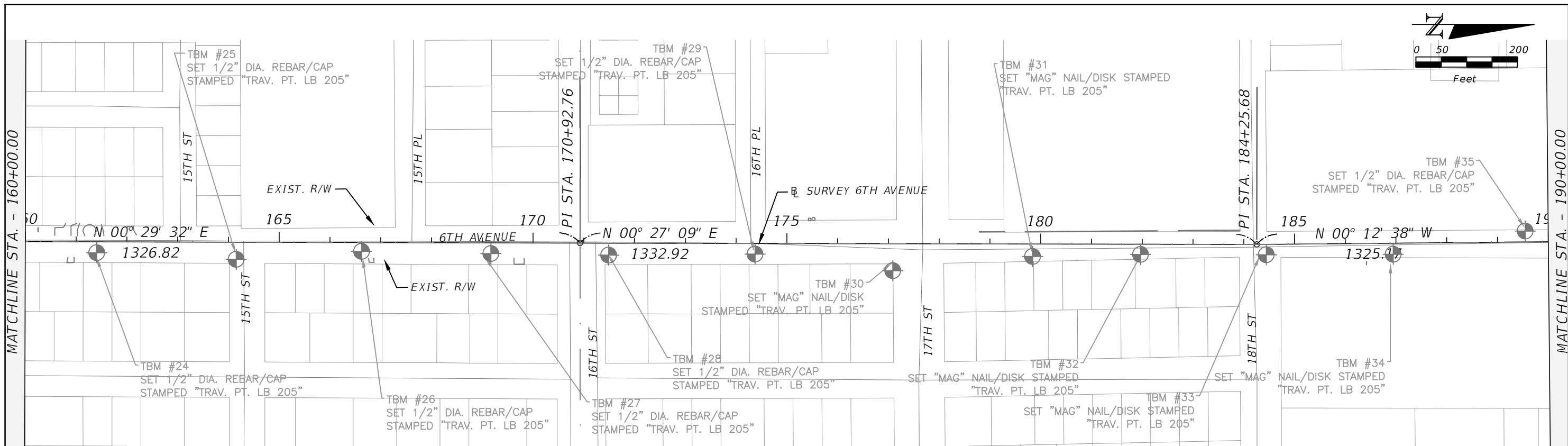
NOTES:

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- CONTRACTOR SHALL HOLD PAVEMENT CROWN ELEVATIONS AND ADJUST MILLING DEPTH AND CROSS SLOPE TO IMPROVE THE PAVED CROSS SLOPE.
- MILLING DEPTH SHALL NOT EXCEED THE EXISTING ASPHALT THICKNESS, WHERE NECESSARY CONTRACTOR SHALL PROVIDE TAPERED OVERBUILD TO ACHIEVE THE DESIGN CROSS SLOPE
- MILL TO IMPROVE CROSS SLOPE. MATCH EXISTING CROSS SLOPE DIRECTION, HOLD CENTERLINE ELEVATION.
- WHERE PAVEMENT ABUTS CURB THE MILLING OPERATION SHALL HOLD THE EDGE OF PAVEMENT ELEVATION MINUS THE MILL DEPTH.
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- MILL & RESURFACE INTERSECTIONS TO MATCH EXISTING CROSS SLOPE AND DRAINAGE PATTERNS.
- CENTERLINE AND CURB LINE ELEVATIONS MAY BE OBTAINED FROM THE PROJECT SURVEY

REVISIONS				JOHN H. WILT, P.E. P.E. LICENSE NUMBER 53233 ATKINS NORTH AMERICA, INC. 7175 MURRELL RD. MELBOURNE, FL 32940 CERTIFICATE OF AUTHORIZATION 24	INDIAN RIVER COUNTY PUBLIC WORKS	TYPICAL SECTION	SHEET NO. 4
DATE	DESCRIPTION	DATE	DESCRIPTION				
				6TH AVENUE RESURFACING			



REVISIONS				JOHN H. WILT, P.E. P.E. LICENSE NUMBER 53233 ATKINS NORTH AMERICA, INC. 7175 MURRELL RD. MELBOURNE, FL 32940 CERTIFICATE OF AUTHORIZATION 24	INDIAN RIVER COUNTY PUBLIC WORKS	PROJECT LAYOUT (1)	SHEET NO. 5
DATE	DESCRIPTION	DATE	DESCRIPTION				
					6TH AVENUE RESURFACING		



REVISIONS				JOHN H. WILT, P.E. P.E. LICENSE NUMBER 53233 ATKINS NORTH AMERICA, INC. 7175 MURRELL RD. MELBOURNE, FL 32940 CERTIFICATE OF AUTHORIZATION 24	INDIAN RIVER COUNTY PUBLIC WORKS	PROJECT LAYOUT (2)	SHEET NO. 6
DATE	DESCRIPTION	DATE	DESCRIPTION				
----	----	----	----		6TH AVENUE RESURFACING		

1. BENCHMARK ELEVATIONS SHOWN ON THE PLANS ARE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 1988).

2. THE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE LOCATION ONLY AND ARE INTENDED ONLY TO SHOW THE UTILITIES LIKELY TO BE ENCOUNTERED DURING CONSTRUCTION. PRIOR TO CONSTRUCTION, ALL EXISTING UTILITIES, PUBLIC OR PRIVATE, SHALL BE LOCATED BY THE CONTRACTOR IN AREAS OF CONSTRUCTION AND OWNERS OF SAID MENTIONED UTILITIES NOTIFIED PRIOR TO COMMENCING WORK

3. UTILITY/AGENCY OWNERS:

COMPANY	CONTACT	TELEPHONE NUMBERS
FP&L	ROB MORIS	772.223.4215
INDIAN RIVER COUNTY UTILS	JOHN BOYER	772.226.1823
NEXTERA ENERGY	ELIO BUSTOS	305.835.3618
INDIAN RIVER COUNTY TELECOMM	MANNY CABO	772.226.1318
INDIAN RIVER COUNTY TRAFFIC	JAMES ENNIS	772.226.1221
INDIAN RIVER COUNTY SIGNALS	JOHN ANKENY	772.226.1563
AT&T	DINO FARRUGGIO	321.953.6172
COMCAST CABLE	ANTHONY SPRINGSTEEL	561.804.0973
CITY OF VERO BEACH WATER/SEWER	TODD YOUNG	772.978.5209
CITY OF VERO BEACH PUBLIC WORKS	MATTHEW MITTS	772.978.4870
CITY OF VERO BEACH	DAVID GAY	772.978.4870
FLORIDA GAS TRANSMISSION CO	JOSEPH SANCHEZ	407.838.7171
FLORIDA PUBLIC UTILITIES	IVAN GIBBS	561.723.3459
FIBERNET DIRECT/CROWN CASTLE FIBER	ANDY POIKANS	561.365.9001
INDIAN RIVER FARMS WATER CONTROL	DAVID GUNTER	772.562.2141
SEBASTIAN RIVER IMPROVEMENTS	TODD WODRASKA	561.630.4922

4. THE ROADWAY DESIGN IS BASED ON SURVEY DATA RECEIVED FROM CARTER ASSOCIATES, INC. (DATED 2019). SURVEY WAS PERFORMED BY CARTER ASSOCIATES, INC. UNDER THE RESPONSIBLE CHARGE OF FRANK S. CUCCURESE, P.S.M. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS RELATIVE TO THE PLANS AND MAKE ADJUSTMENTS AS REQUIRED AT NO ADDITIONAL COST TO THE COUNTY.

5. ALL EXISTING SIGNS ARE TO REMAIN UNLESS NOTED OTHERWISE.

6. CONTRACTOR SHALL FIELD VERIFY PEDESTRIAN CROSSING LOCATIONS FOR ADA COMPLIANCE AND COORDINATE WITH ENGINEER/COUNTY ON INPUT.

7. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED.

8. ANY NGVD-'29 MONUMENT WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF IN DANGER OF DAMAGE, THE CONTRACTOR SHOULD NOTIFY:

GEODETIC INFORMATION CENTER
 ATTN: MARK MAINTENANCE SECTION
 N/CG-162
 6001 EXECUTIVE BOULEVARD
 ROCKVILLE, MARYLAND 28052
 TELEPHONE: (301)443-8319

9. PERMANENT TURNOUTS AND DRIVEWAY CONNECTIONS TO PRIVATE PROPERTY THAT LIE OUTSIDE THE LIMITS OF RIGHT-OF-WAY AND WHERE ACCESS RIGHTS HAVE NOT BEEN ACQUIRED SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TURNOUT DETAILS AND STATE STANDARD SPECIFICATIONS REFERENCED ON THE PLANS. THE COUNTY OR THE COUNTY'S CONTRACTOR SHALL NOT ISOLATE ADJACENT AND/OR REMAINDER PROPERTY UNLESS ACCESS RIGHTS ARE ACQUIRED. ACCESS SHALL BE PROVIDED TO SUCH PROPERTY WHENEVER CONSTRUCTION INTERFERES WITH THE EXISTING MEANS OF ACCESS.

10. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE CONTRACTOR SHOULD NOTIFY THE COUNTY LOCATION SURVEYOR WITHOUT DELAY BY TELEPHONE DAVID SCHRYVER (772-226-1386).

11. TEMPORARY DRAINAGE SHALL BE PROVIDED DURING CONSTRUCTION TO ELIMINATE ANY FLOODING OF PRIVATE PROPERTY.

12. ALL SURVEY CORNERS INDICATED ON THE PLANS SHALL BE REFERENCED AND CERTIFIED BY A REGISTERED LAND SURVEYOR PRIOR TO COMMENCEMENT OF CONSTRUCTION. ALL CORNERS DESTROYED OR OBLITERATED BY CONSTRUCTION SHALL BE RESET AND SO CERTIFIED BY THE LAND SURVEYOR PRIOR TO COMPLETION OF THE PROJECT. CERTIFIED SKETCHES SHALL BE SUBMITTED TO:

INDIAN RIVER COUNTY
 PUBLIC WORKS-ENGINEERING DIVISION-SURVEY
 POINT OF CONTACT: DAVID SCHRYVER
 1801 27TH STREET
 VERO BEACH, FL 32960

13. CONSTRUCTION SHALL INCLUDE REPLACING WITH MATCHING MATERIALS ALL DRIVEWAYS, WALKS, MAILBOXES, CURBS, ETC. THAT ARE DAMAGED OR REMOVED DUE TO CONSTRUCTION AND WORK SHALL BE COORDINATED WITH PROPERTY OWNERS. ALL PRIVATE OR PUBLIC PROPERTY AFFECTED BY THE CONSTRUCTION WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THE EXISTING PRE-CONDITION CONDITION, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. COST TO BE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION TO BE ALLOWED.

14. THE CONTRACTOR SHALL PROVIDE A PRECONSTRUCTION VIDEO DOCUMENTING THE LOCATION AND EXISTING CONDITIONS OF ALL PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES, INCLUDING SIGNS, REFLECTIVE PAVEMENT MARKERS (RPM'S), SIGNALS, UNDERGROUND ELECTRICAL, AND INDUCTIVE LOOPS PRIOR TO ANY CONSTRUCTION. ADDITIONALLY, ALL OTHER LANDSCAPE, HARDSCAPE, AND INFRASTRUCTURE ITEMS SHALL BE INCLUDED.

15. ALL MATERIALS, CONSTRUCTION, INSPECTIONS AND TESTS SHALL, AS A MINIMUM, CONFORM TO FDOT STANDARD SPECIFICATIONS OF JULY 2018, SUPPLEMENTS AND TO SPECIAL PROVISIONS FOR THE PROJECT.

16. ALL SHOP DRAWINGS MUST BE APPROVED BY INDIAN RIVER COUNTY PRIOR TO FABRICATION.

17. ANY DRAINAGE PROBLEMS, CREATED BY CONSTRUCTION OR EXISTING BEFORE CONSTRUCTION, THAT ARE NOT ALLEVIATED SHOULD BE BROUGHT TO THE ATTENTION OF THE PUBLIC WORKS DIVISION.

18. ANY AREA OUTSIDE OF THE IMMEDIATE CONSTRUCTION AREA DISTURBED BY THE CONTRACTOR WILL BE SODDED AT THE CONTRACTOR'S EXPENSE.

19. PAVING OPERATIONS SHALL BE SEQUENCED IN SUCH A MANNER THAT TURNOUT AND SHOULDER PAVING IS COMPLETED PRIOR TO MAINLINE PAVING.

20. EXISTING STOP SIGN ASSEMBLIES THAT DO NOT MATCH PROPOSED STOP BAR LOCATIONS SHALL BE RELOCATED ACCORDINGLY.

21. ANY SIGNS IMPACTED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED IN KIND.

22. CONTRACTOR SHALL REMOVE LANDSCAPING ROCKS AND TIMBERS WITHIN RIGHT OF WAY AND ENCRANCHING WITHIN 1 FOOT OF BACK OF SIDEWALK. CONTRACTOR TO COORDINATE WITH OWNER ON THE RELOCATION OF ROCKS AND LANDSCAPE. TRIM BACK ALL HEDGES AND BRUSHES TO PROVIDE 1 FOOT CLEAR SIDES AND 7 FOOT OVERHEAD CLEAR.

23. THE CONTRACTOR SHALL REMOVE AND REPLACE ALL EXISTING SIDEWALK PANELS WITHIN THE PROJECT AREA THAT ARE DAMAGED (HORIZONTAL CRACKS GREATER THAN 1/2") OR TRIPPING HAZARD (VERTICAL JOINT DEFLECTION EXCEEDS 1/4"). REPLACEMENT PANELS SHALL BE 6" THICK.

24. REPLACE ALL VALVE BOXES IN PAVED AREAS WITHIN THE PROJECT LIMITS AND ADJUST ALL VALVE BOXES AND PADS WITHIN THE LIMITS OF CONSTRUCTION TO FINISH GRADE.

25. ALL WORK SHALL BE PERFORMED FROM AND WITHIN THE EXISTING R/W

MOT NOTES

- EXISTING TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. LANE CLOSURES (ONLY ONE LANE IN EACH DIRECTION) SHALL BE PERMITTED ONLY DURING ACTIVE WORK PERIODS. WORK IS EXPECTED TO BE COMPLETED DURING DAYTIME HOURS.
- TRAFFIC CONTROL OFFICERS SHALL BE PROVIDED FOR LANE CLOSURES WHEN THE FUNCTION OF AN INTERSECTION IS IMPACTED.
- PORTABLE- CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE PROVIDED DURING, AND IN ADVANCE OF, ALL LANE CLOSURES. TWO PCMS, MINIMUM, SHALL BE PROVIDED FOR EACH LANE CLOSURE FROM SEVEN DAYS PRIOR TO CLOSURE THRU END OF CLOSURE. COORDINATE MESSAGE WITH INDIAN RIVER COUNTY TRAFFIC OPERATIONS. COST TO BE INCLUDED IN PRICE BID FOR 102-1, MAINTENANCE OF TRAFFIC.
- THE CONTRACTOR SHALL IMPLEMENT TEMPORARY PAVEMENT MARKINGS UNTIL THE FINAL SURFACE COURSE HAS CURED (MINIMUM 14 DAYS AFTER FINAL SURFACE COURSE PLACEMENT). ANY TEMPORARY PAINTED MARKINGS PLACED ON THE FINAL SURFACE COURSE MUST MATCH FINAL DESIGN MARKINGS (THERMOPLASTIC MARKINGS). COST TO BE INCLUDED IN PRICE BID FOR 0102 1, MAINTENANCE OF TRAFFIC.
- LANE CLOSURES WILL ONLY BE ALLOWED BETWEEN THE HOURS OF 9AM AND 4PM.

SIGNING NOTES

- SIGNS THAT DO NOT FOLLOW MUTCD/FDOT STANDARDS ARE TO FOLLOW INDIAN RIVER COUNTY PUBLIC WORKS STANDARDS AND ARE TO MATCH EXISTING MESSAGE, TEXT PLACEMENT, TEXT FONT AND SIZE.
- STREET NAME SIGNS ARE TO FOLLOW INDIAN RIVER TYPICAL DRAWINGS FOR PAVEMENT MARKINGS, SIGNING & GEOMETRICS STANDARDS. SEE SIGN PLACEMENT/DETAILS.

PAVEMENT MARKING NOTES

- CONTRACTOR SHALL CONTACT TRAFFIC ENGINEERING (772) 226-1547 PRIOR TO PAVEMENT MARKING LAYOUT AND IMPLEMENTING STRIPING.

REVISIONS				JOHN H. WILT, P.E. P.E. LICENSE NUMBER 53233 ATKINS NORTH AMERICA, INC. 7175 MURRELL RD. MELBOURNE, FL 32940 CERTIFICATE OF AUTHORIZATION 24	INDIAN RIVER COUNTY PUBLIC WORKS	GENERAL NOTES (1)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				7
					6TH AVENUE RESURFACING		

CONDUIT NOTES

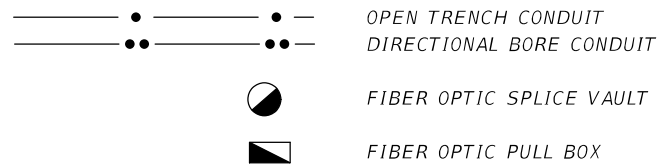
1. THE PLANS SHOW THE GENERAL ROUTE AND LOCATION OF CONDUIT AND EQUIPMENT RELATIVE TO MAJOR PHYSICAL FEATURES, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL UNDERGROUND CONFLICTS IN ADVANCE OF THE PLACEMENT OF ANY CONDUIT OR OTHER FACILITIES. THE CONTRACTOR SHALL FIELD MARK THE PROPOSED ALIGNMENT FOR REVIEW AND CONCURRENCE BY THE ENGINEER OF RECORD AND/OR INDIAN RIVER COUNTY TRAFFIC ENGINEERING DIVISION (IRCTED) PRIOR TO TRENCHING AND/OR PLACEMENT.
2. CONDUIT COLOR CODES:

BACKBONE (2-2")
1. ORANGE (CONTAINING 96 SM FIBER)
2. ORANGE W/ WHITE STRIPE (CONTAINING 1-#14 TRACE WIRE)
3. CONDUITS NOTED TO BE INSTALLED UNDER PROPOSED SIDEWALK BY TRENCHING OR BORING METHODS MAY BE INSTALLED BY EITHER TRENCHING OR BORING DURING CONSTRUCTION AND VICE VERSA, AS DETERMINED IN THE FIELD BASED ON THE SEQUENCE OF CONSTRUCTION AND FIELD CONDITIONS.
4. PRIOR TO APPLYING METHOD OF INSTALLATION, VERIFY ROADWAY CONSTRUCTION AND CONDUIT INSTALLATION SEQUENCE ARE IN SYNC TO MINIMIZE POTENTIAL REWORK.
5. ALL CONDUIT CONNECTIONS SHALL BE JOINED WITH A MECHANICAL COUPLE OR APPROVED EQUAL.
6. MINIMUM REQUIRED CONDUIT BURY DEPTHS SHALL BE MAINTAINED, WHERE CONFLICTS OCCUR WITH DRAINAGE OR OTHER UTILITIES PER THESE PLANS.
7. ALL CONDUIT TRENCHES SHALL BE BACK FILLED COMPLETELY TO PROVIDE SAFE CROSSING BY THE END OF THE WORK DAY OR WHENEVER THE WORK ZONE BECOMES INACTIVE. DO NOT OPEN ANY AREA THAT CANNOT BE BACK FILLED IN THE SAME DAY/NIGHT OPERATION.
8. ALL SPARE CONDUITS SHALL BE CAPPED WITH A DUCT SEAL, INCLUDED IN THE COST OF THE CONDUIT.

PULL BOXES NOTES

1. ALL BOXES INSTALLED IN ASPHALT MEDIAN OR ASPHALT SHOULDER SHALL MEET H-20 LOAD RATING, WITH STEEL LIDS. ALL BOXES INSTALLED IN GRASS/DIRT/SIDEWALK AREAS SHALL BE 20K RATED POLYMER TYPE BOXES.
2. PULL BOXES SHALL NOT BE PLACED IN THE BOTTOMS OF DITCHES.
3. PULL BOXES LIDS SHALL BE STAMPED WITH MESSAGES, AS NOTED ON THE PLAN SHEETS.
4. THE MAXIMUM SPACING ALLOWED BETWEEN FIBER OPTIC PULL BOXES SHALL BE NO MORE THAN 700 FEET.
5. ALL PULL BOXES AND SPLICE VAULTS INSTALLED WITHIN SIDEWALK TO BE FLUSH WITH ADJACENT SIDEWALK.

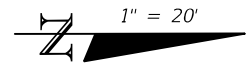
LEGEND:



ABBREVIATIONS:

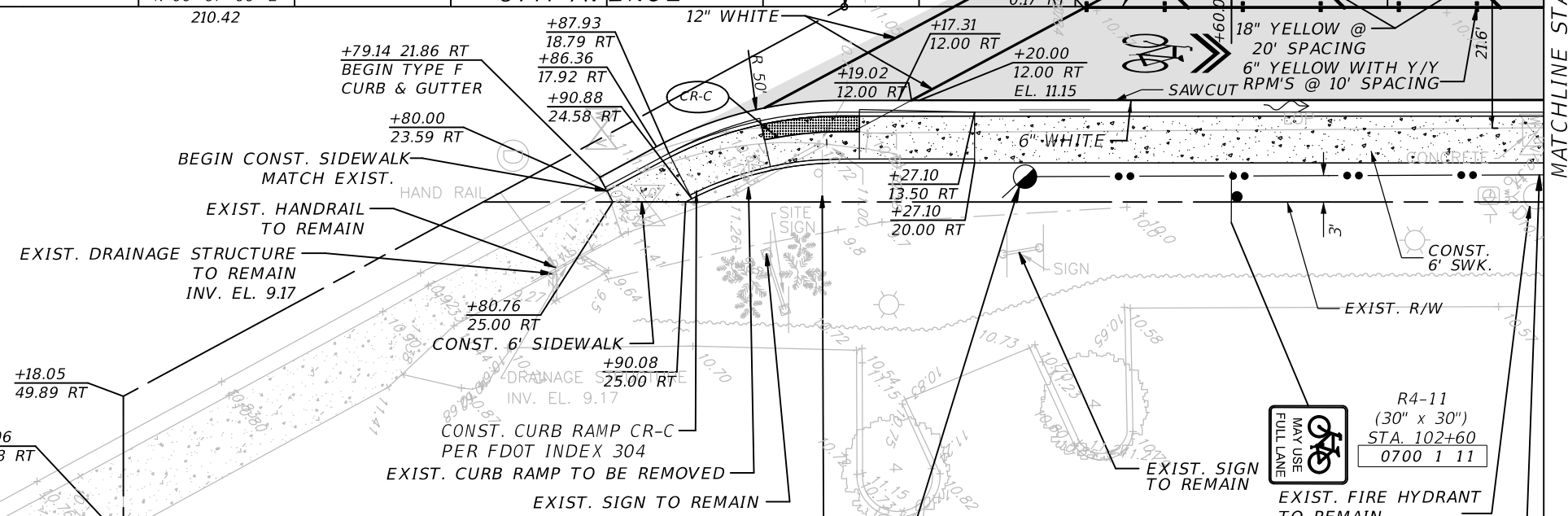
- FOC FIBER OPTIC CABLE
 PB PULL BOX
 SM SINGLE MODE
 SV SPLICE VAULT

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DATE	DESCRIPTION	DATE	DESCRIPTION					8



U.S. HIGHWAY NO. 1 / S.R. 5

100 101 102 103
 N 00° 07' 00" E
 210.42
 6TH AVENUE
 POT STA. 102+10.42
 BEGIN PROJECT STA. 102+10.42
 MATCHLINE STA. - 103+00.00



+82.74
28.81 RT

+18.05
49.89 RT

+18.05
49.89 RT

+18.06
68.28 RT

- LEGEND**
- LIMITS OF MILLING AND RESURFACING
 - DETECTABLE WARNING
 - 6" CONC. SIDEWALK
 - EXISTING MAILBOX

"FIBER OPTIC" SV
 200 LF 96 SM FOC SLACK
 INSTALL CONDUIT STUB OUT
 FOR FUTURE USE.
 STA. 102+33.57, 21.76 RT

4 LF	0630 2 11
200 LF	0633 1123
1 EA	0635 2 13

R4-11
 (30" x 30")
 STA. 102+60
 0700 1 11

EXIST. SIGN TO REMAIN

EXIST. FIRE HYDRANT TO REMAIN

600 6th AVE LLC
 33391300000100000010.0

2-2" UNDERGROUND CONDUIT
 1-#14 AWG TRACE WIRE
 96 SM FOC

2 RUNS @ 67 LF	0630 2 12
67 LF	0633 1123

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

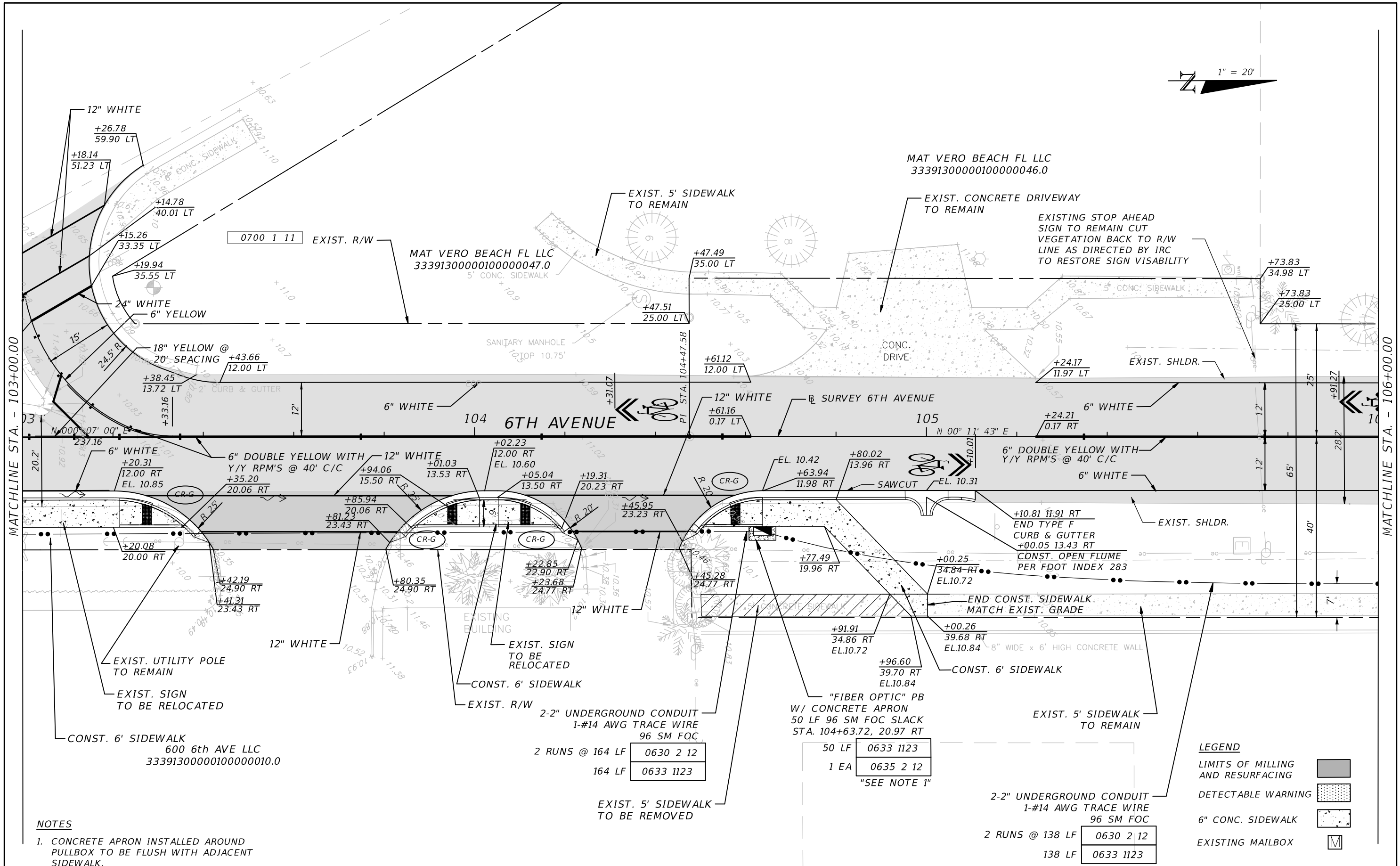
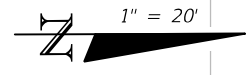
JOHN H. WILT, P.E.
 P.E. LICENSE NUMBER 53233
 ATKINS NORTH AMERICA, INC.
 7175 MURRELL RD.
 MELBOURNE, FL 32940
 CERTIFICATE OF AUTHORIZATION 24

INDIAN RIVER COUNTY
 PUBLIC WORKS

6TH AVENUE RESURFACING

ROADWAY PLAN (1)

SHEET NO.
 9



NOTES

- 1. CONCRETE APRON INSTALLED AROUND PULLBOX TO BE FLUSH WITH ADJACENT SIDEWALK.

LEGEND

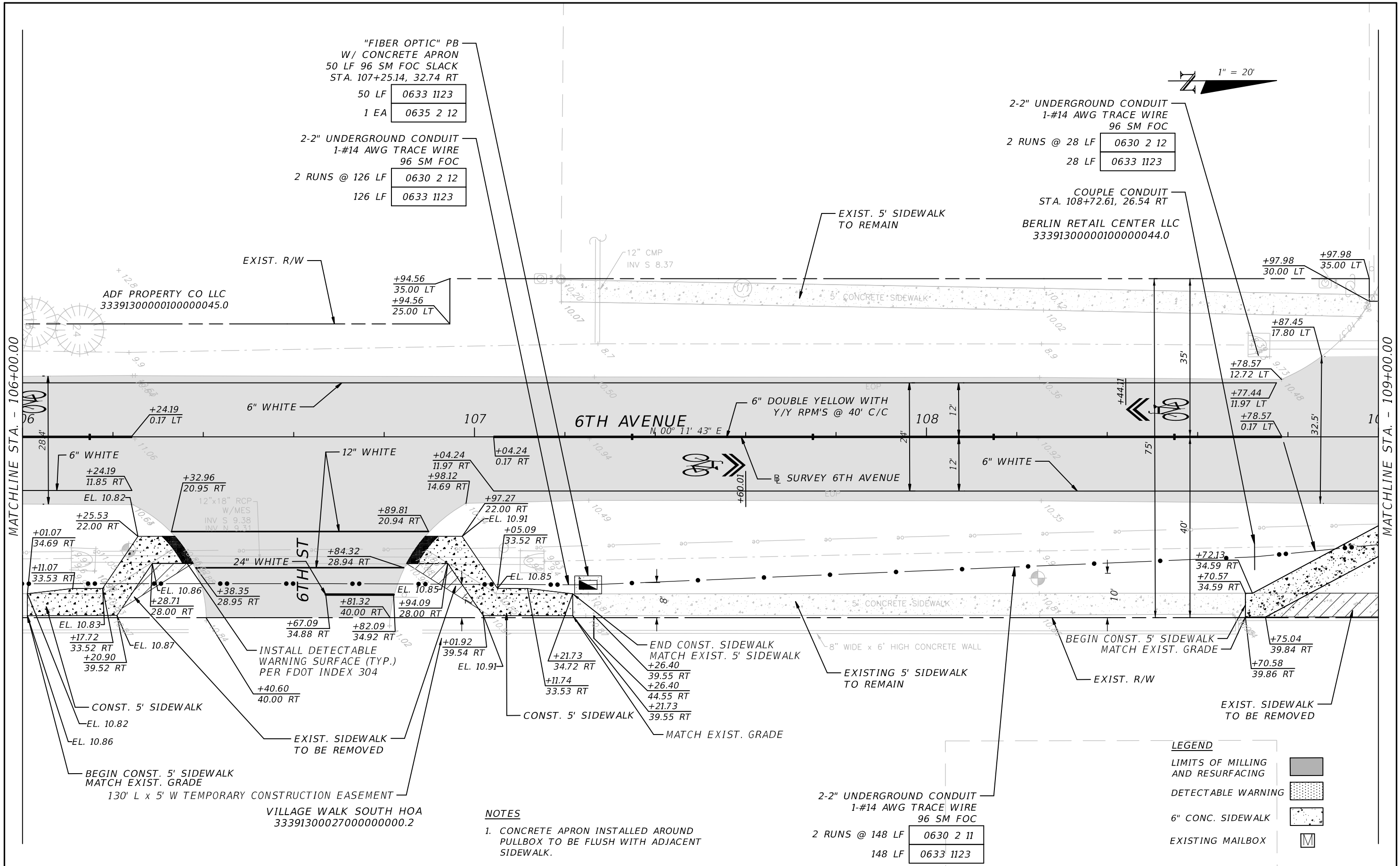
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- DETECTABLE WARNING [dotted box]
- 6\"/>
- EXISTING MAILBOX [M symbol]

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHN H. WILT, P.E.
 P.E. LICENSE NUMBER 53233
 ATKINS NORTH AMERICA, INC.
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INDIAN RIVER COUNTY
 PUBLIC WORKS
 6TH AVENUE RESURFACING

ROADWAY PLAN (2)
 SHEET NO. 10



"FIBER OPTIC" PB
W/ CONCRETE APRON
50 LF 96 SM FOC SLACK
STA. 107+25.14, 32.74 RT
50 LF 0633 1123
1 EA 0635 2 12

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC
2 RUNS @ 28 LF 0630 2 12
28 LF 0633 1123

COUPLE CONDUIT
STA. 108+72.61, 26.54 RT
BERLIN RETAIL CENTER LLC
33391300000100000044.0

ADF PROPERTY CO LLC
33391300000100000045.0

+94.56
35.00 LT
+94.56
25.00 LT

+97.98
30.00 LT
+97.98
35.00 LT

+87.45
17.80 LT

+78.57
12.72 LT

+77.44
11.97 LT

+78.57
0.17 LT

+72.13
34.59 RT
+70.57
34.59 RT

+75.04
39.84 RT

+70.58
39.86 RT

LEGEND

LIMITS OF MILLING AND RESURFACING	
DETECTABLE WARNING	
6" CONC. SIDEWALK	
EXISTING MAILBOX	

NOTES
1. CONCRETE APRON INSTALLED AROUND PULLBOX TO BE FLUSH WITH ADJACENT SIDEWALK.

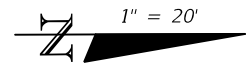
2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC
2 RUNS @ 148 LF 0630 2 11
148 LF 0633 1123

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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INDIAN RIVER COUNTY
PUBLIC WORKS
6TH AVENUE RESURFACING

ROADWAY PLAN (3)
SHEET NO. 11



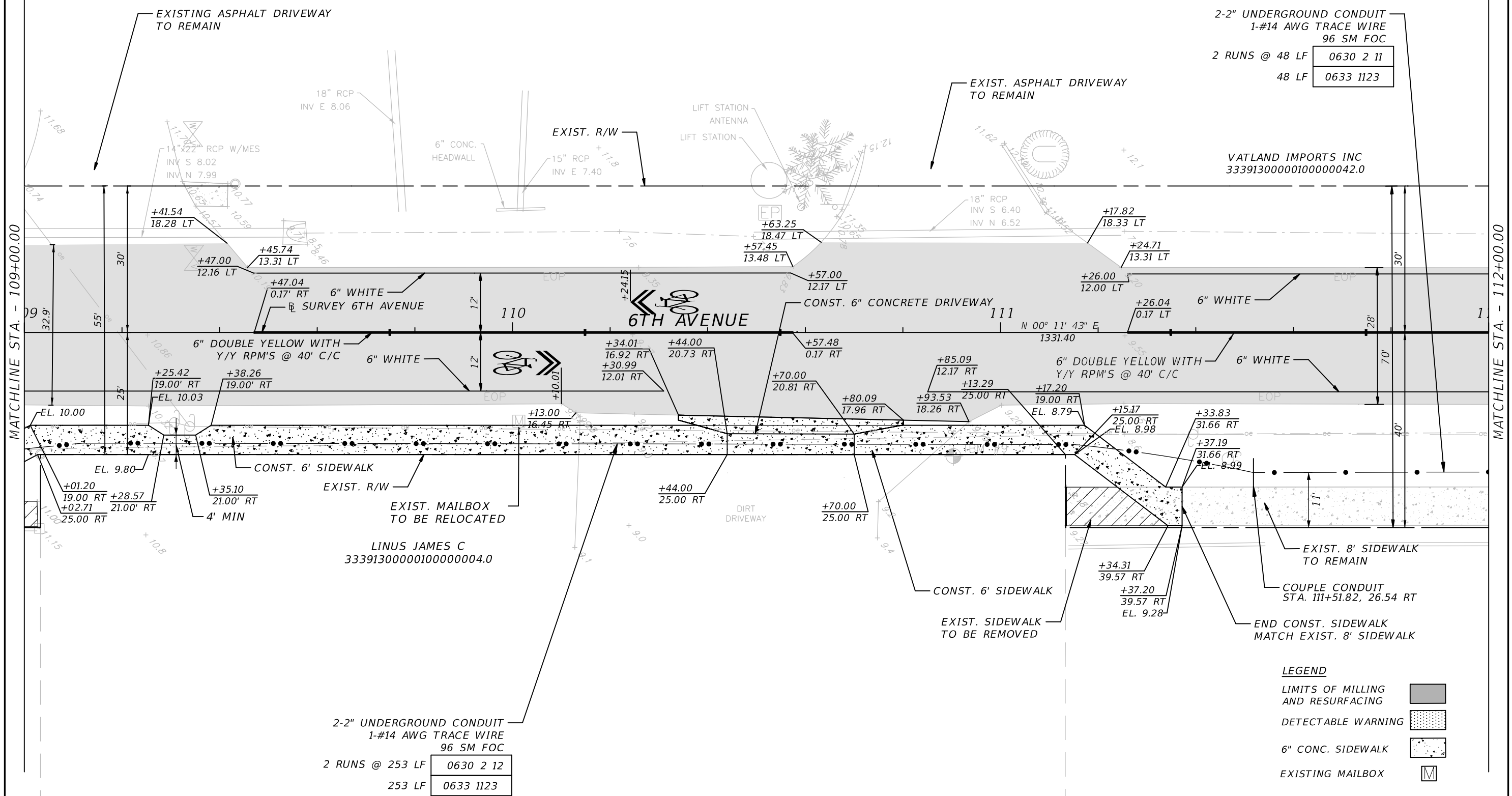
2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC
2 RUNS @ 48 LF 0630 2 11
48 LF 0633 1123

VATLAND IMPORTS INC
33391300000100000042.0

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC
2 RUNS @ 253 LF 0630 2 12
253 LF 0633 1123

LEGEND

LIMITS OF MILLING AND RESURFACING	
DETECTABLE WARNING	
6" CONC. SIDEWALK	
EXISTING MAILBOX	



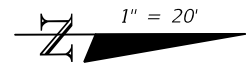
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
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INDIAN RIVER COUNTY
PUBLIC WORKS
6TH AVENUE RESURFACING

ROADWAY PLAN (4)

SHEET NO.
12



2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC

2 RUNS @ 168 LF	0630 2 11
168 LF	0633 1123

"FIBER OPTIC" PB
W/ CONCRETE APRON
50 LF 96 SM FOC SLACK
STA. 114+67.11, 28.19 RT

50 LF	0633 1123
1 EA	0635 2 12

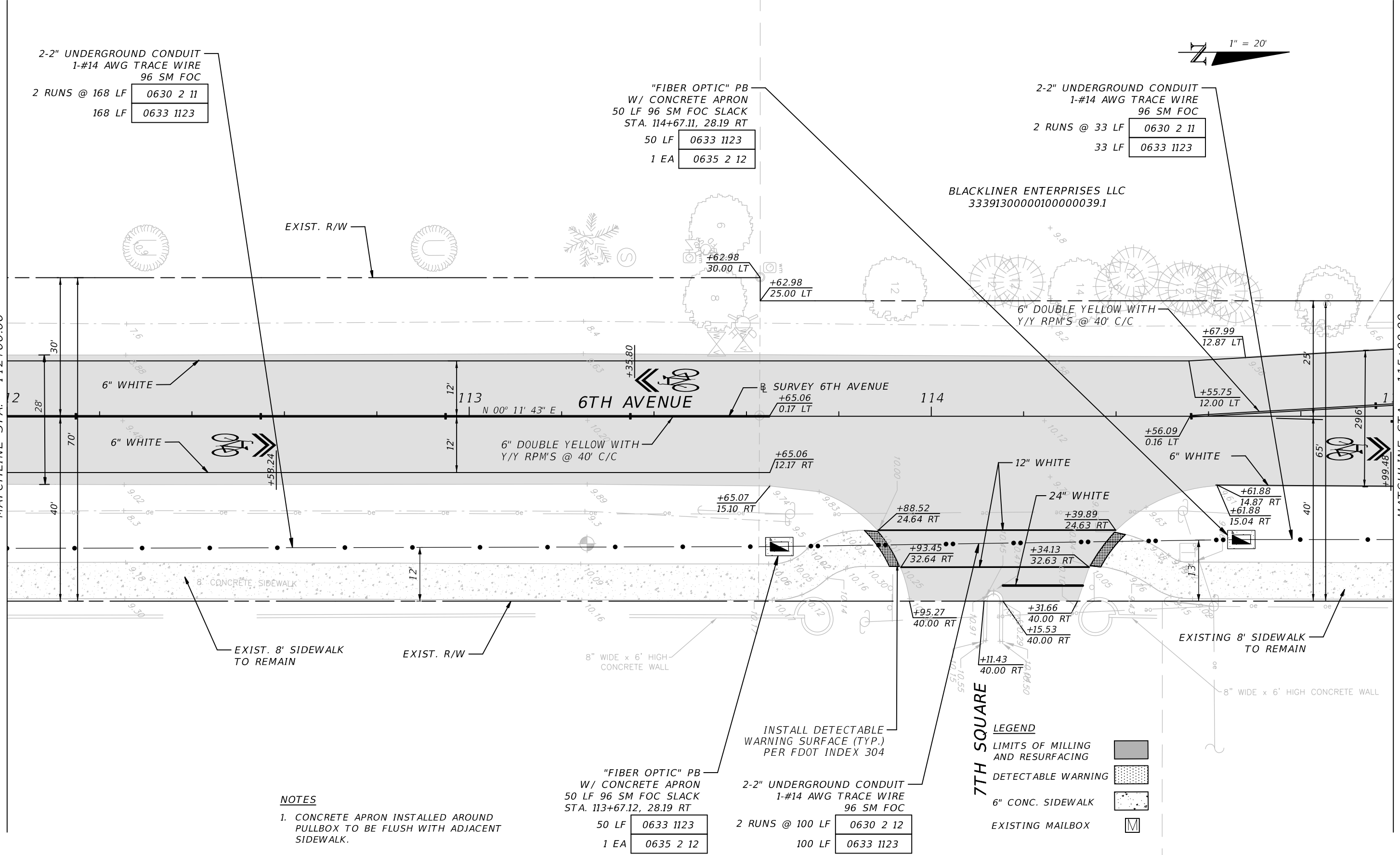
2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC

2 RUNS @ 33 LF	0630 2 11
33 LF	0633 1123

BLACKLINER ENTERPRISES LLC
33391300000100000039.1

MATCHLINE STA. - 112+00.00

MATCHLINE STA. - 115+00.00



NOTES

- CONCRETE APRON INSTALLED AROUND PULLBOX TO BE FLUSH WITH ADJACENT SIDEWALK.

"FIBER OPTIC" PB
W/ CONCRETE APRON
50 LF 96 SM FOC SLACK
STA. 113+67.12, 28.19 RT

50 LF	0633 1123
1 EA	0635 2 12

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC

2 RUNS @ 100 LF	0630 2 12
100 LF	0633 1123

LEGEND

- LIMITS OF MILLING AND RESURFACING
- DETECTABLE WARNING
- 6" CONC. SIDEWALK
- EXISTING MAILBOX

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

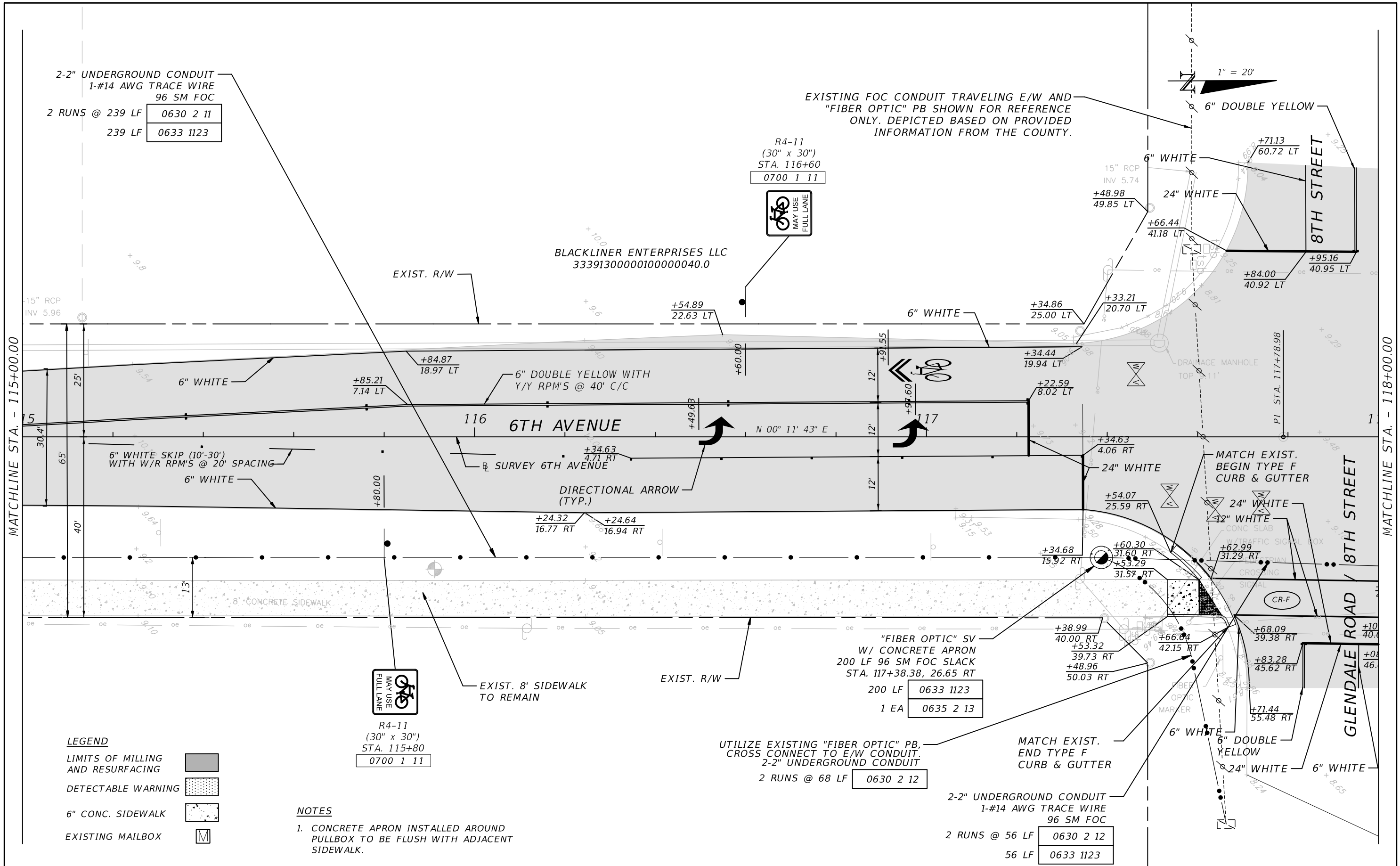
JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
ATKINS NORTH AMERICA, INC.
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MELBOURNE, FL 32940
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INDIAN RIVER COUNTY
PUBLIC WORKS

6TH AVENUE RESURFACING

ROADWAY PLAN (5)

SHEET NO.
13



LEGEND

LIMITS OF MILLING AND RESURFACING	
DETECTABLE WARNING	
6\"/>	

NOTES

- CONCRETE APRON INSTALLED AROUND PULLBOX TO BE FLUSH WITH ADJACENT SIDEWALK.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

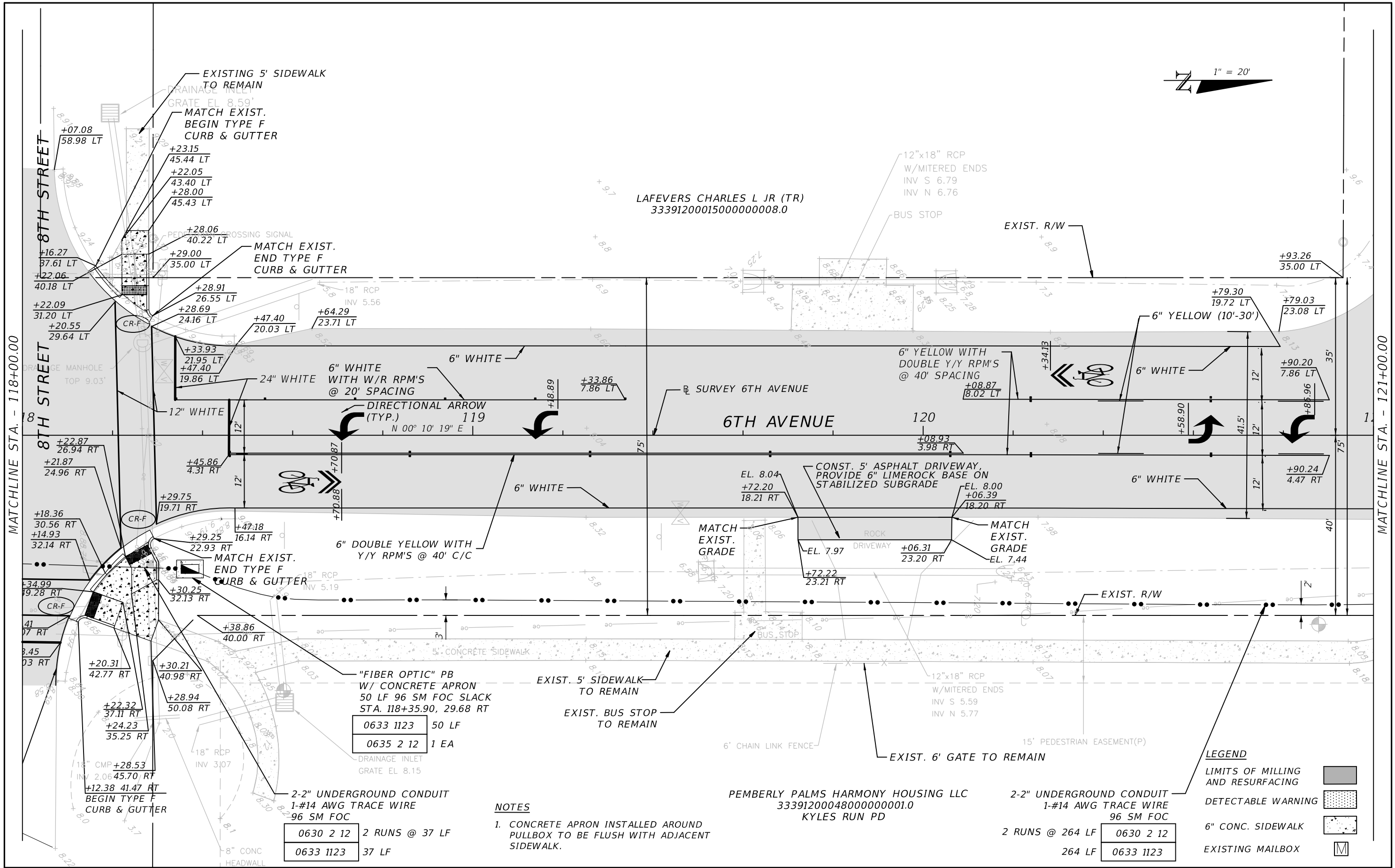
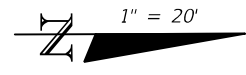
JOHN H. WILT, P.E.
 P.E. LICENSE NUMBER 53233
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6TH AVENUE RESURFACING

ROADWAY PLAN (6)

SHEET NO. 14



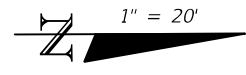
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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INDIAN RIVER COUNTY
 PUBLIC WORKS
 6TH AVENUE RESURFACING

ROADWAY PLAN (7)

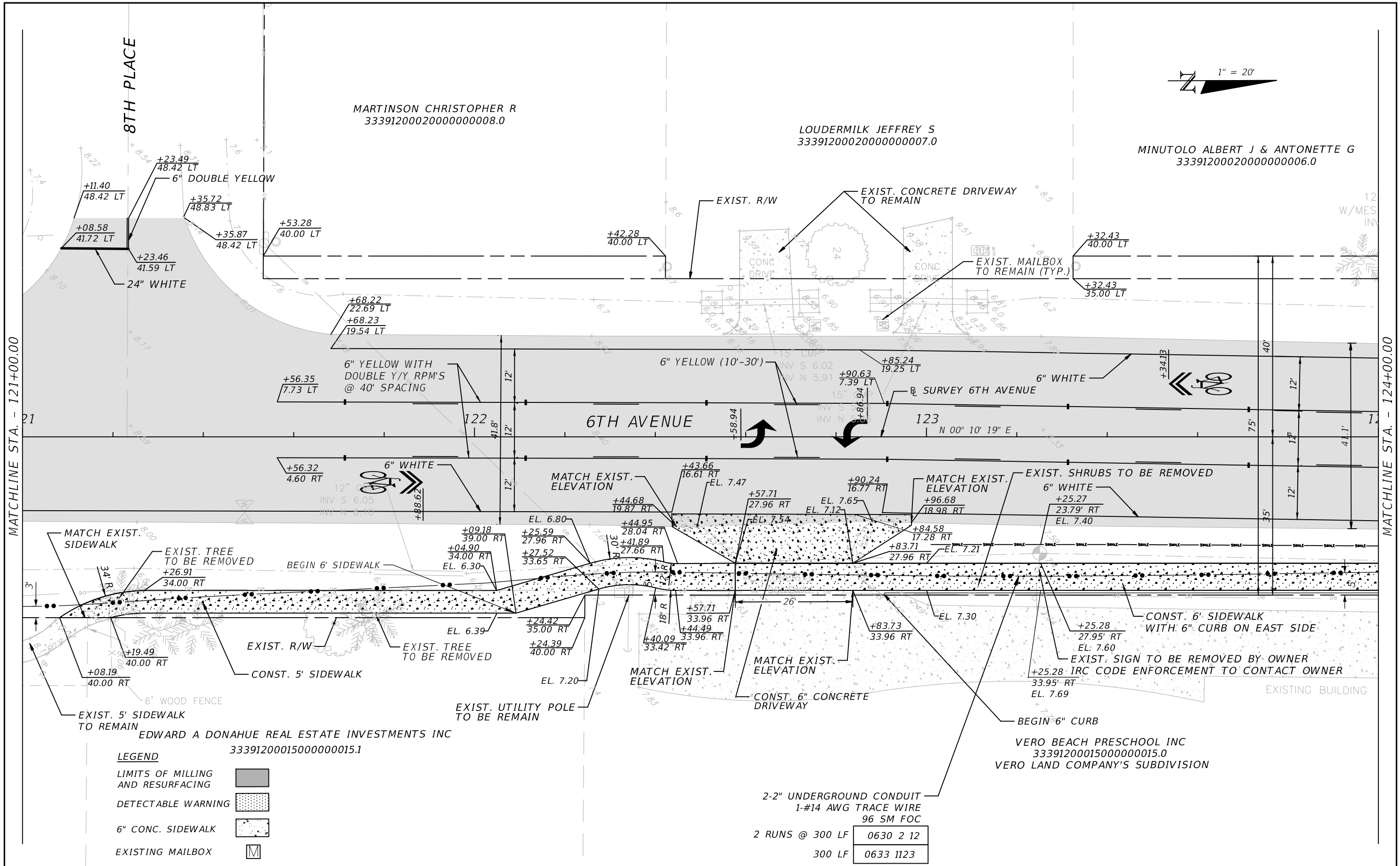
SHEET NO.
 15



MARTINSON CHRISTOPHER R
33391200020000000008.0

LOUDERMILK JEFFREY S
33391200020000000007.0

MINUTOLO ALBERT J & ANTONETTE G
33391200020000000006.0

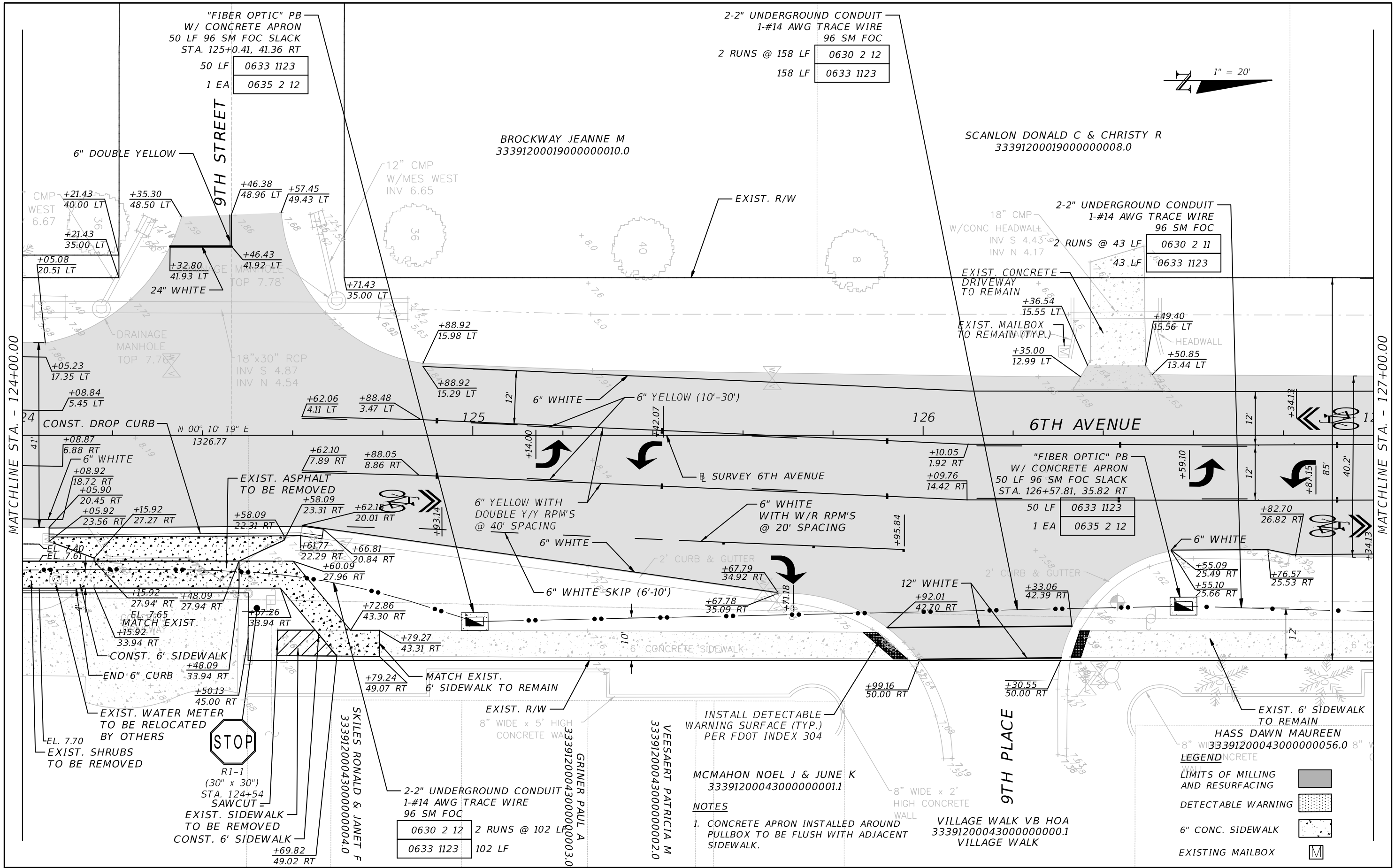


- LEGEND**
- LIMITS OF MILLING AND RESURFACING
 - DETECTABLE WARNING
 - 6\"/>

2-2\"/>

300 LF	0630 2 12
300 LF	0633 1123

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DATE	DESCRIPTION	DATE	DESCRIPTION				16

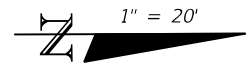


REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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PUBLIC WORKS
6TH AVENUE RESURFACING

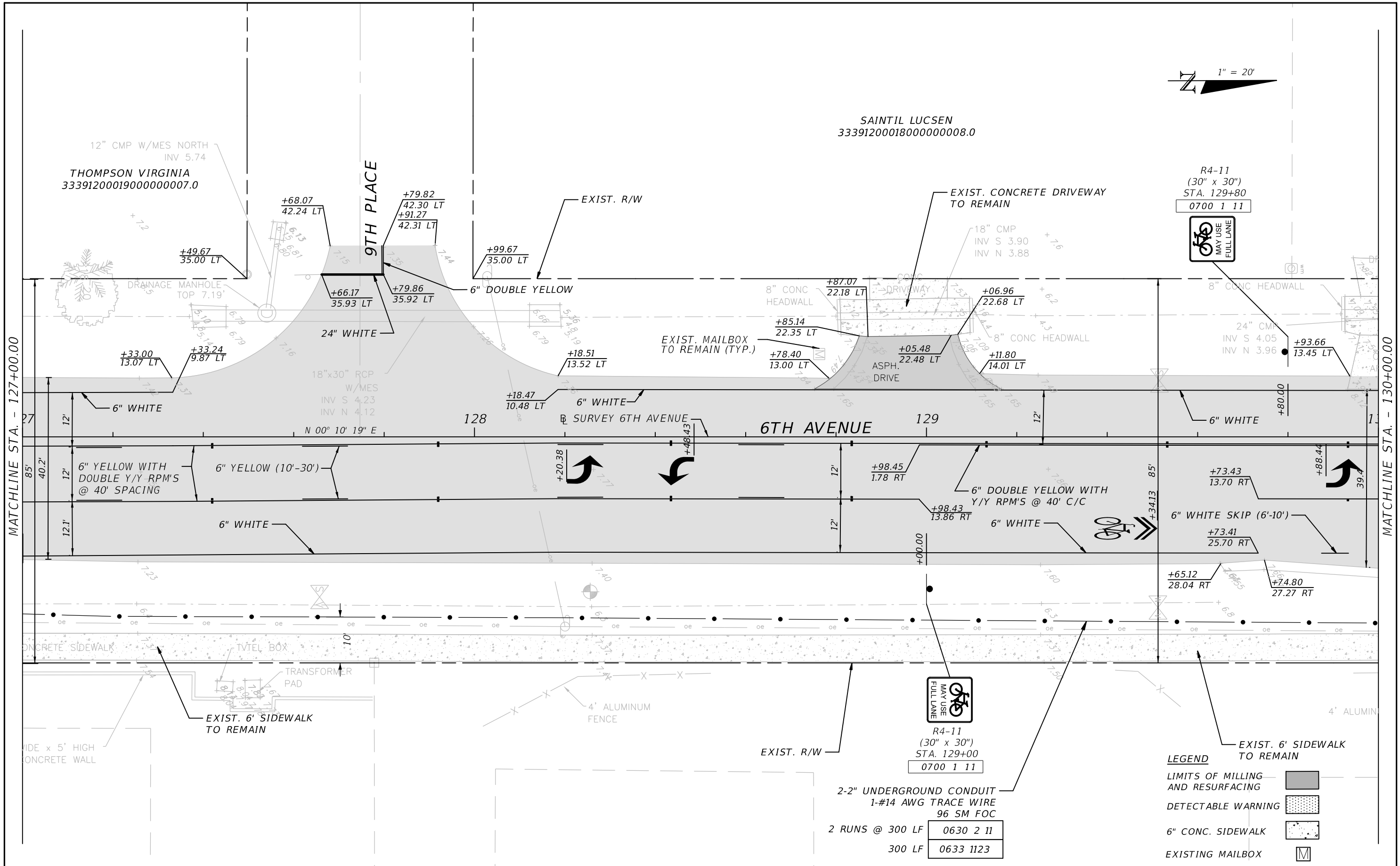
ROADWAY PLAN (9)
SHEET NO. 17



SAINTIL LUCSEN
33391200018000000008.0

12" CMP W/MES NORTH
INV 5.74
THOMPSON VIRGINIA
33391200019000000007.0

R4-11
(30" x 30")
STA. 129+80
0700 1 11



MATCHLINE STA. - 127+00.00

MATCHLINE STA. - 130+00.00

LEGEND

LIMITS OF MILLING AND RESURFACING	
DETECTABLE WARNING	
6" CONC. SIDEWALK	
EXISTING MAILBOX	

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC

2 RUNS @ 300 LF	0630 2 11
300 LF	0633 1123

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

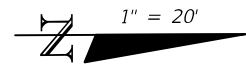
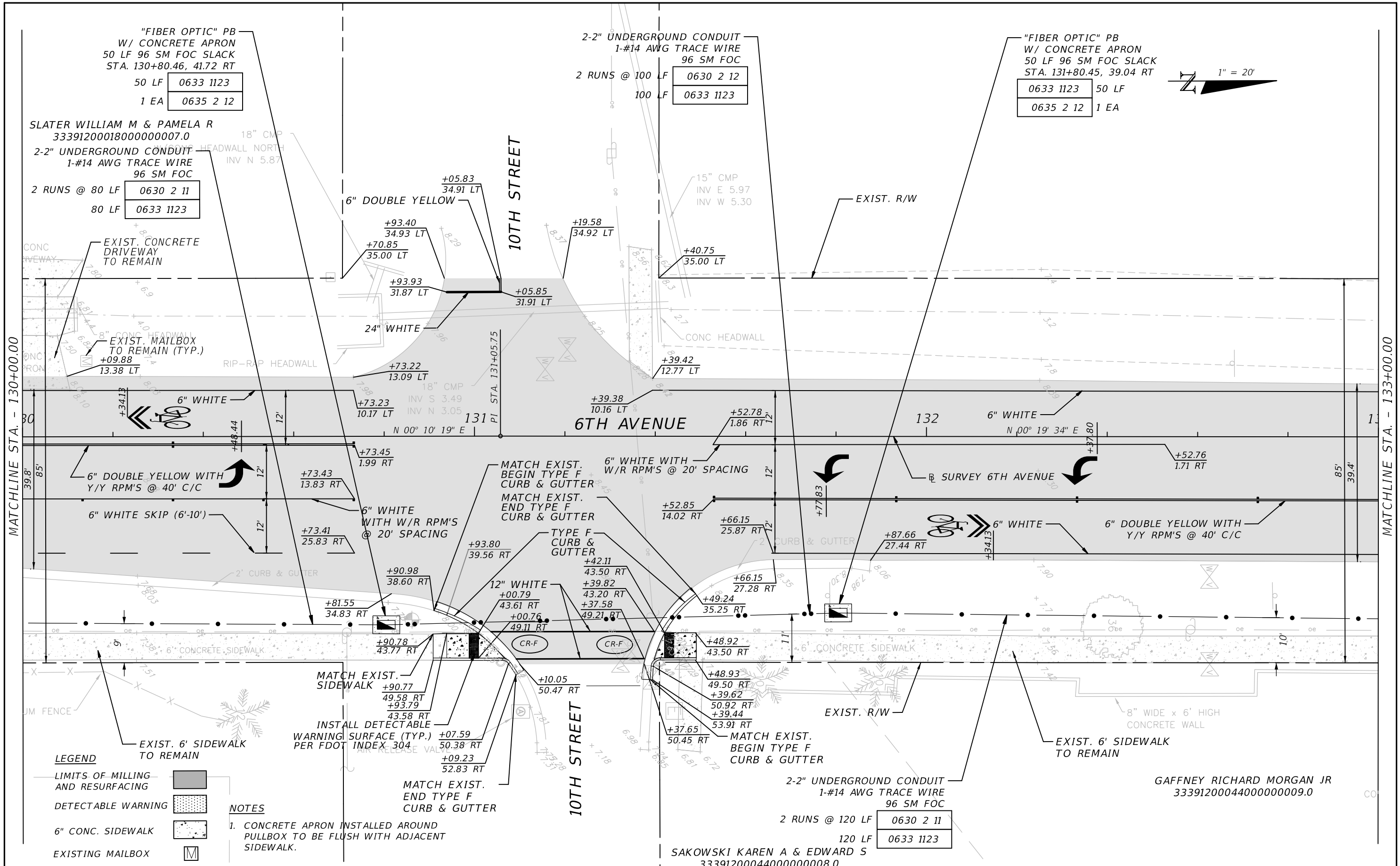
JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
ATKINS NORTH AMERICA, INC.
7175 MURRELL RD.
MELBOURNE, FL 32940
CERTIFICATE OF AUTHORIZATION 24

INDIAN RIVER COUNTY
PUBLIC WORKS

6TH AVENUE RESURFACING

ROADWAY PLAN (10)

SHEET NO.
18



LEGEND

- LIMITS OF MILLING AND RESURFACING
- DETECTABLE WARNING
- 6" CONC. SIDEWALK
- EXISTING MAILBOX

NOTES

1. CONCRETE APRON INSTALLED AROUND PULLBOX TO BE FLUSH WITH ADJACENT SIDEWALK.

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
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7175 MURRELL RD.
MELBOURNE, FL 32940
CERTIFICATE OF AUTHORIZATION 24

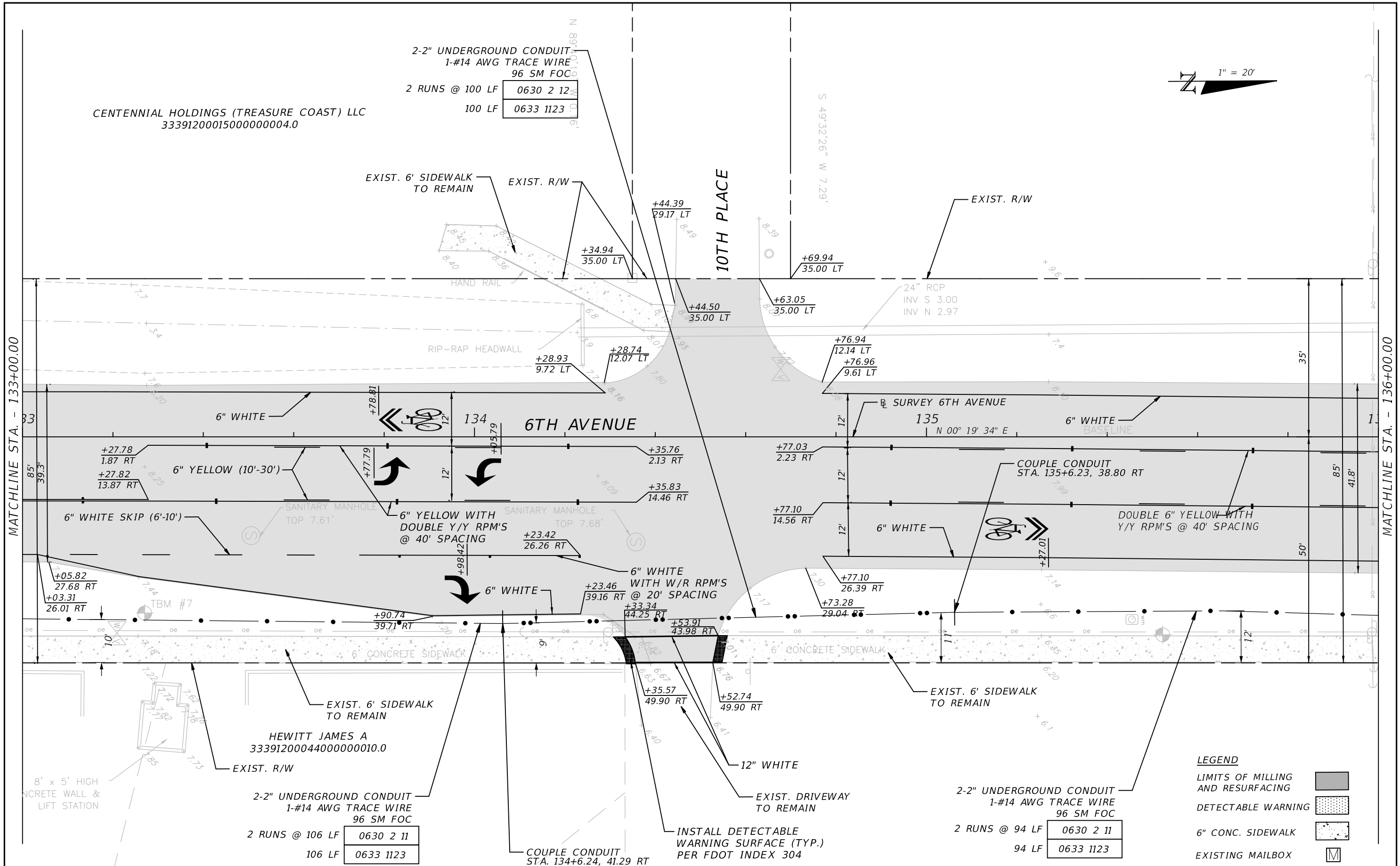
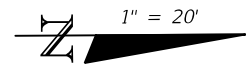
INDIAN RIVER COUNTY
PUBLIC WORKS
6TH AVENUE RESURFACING

ROADWAY PLAN (11)

SHEET NO.
19

CENTENNIAL HOLDINGS (TREASURE COAST) LLC
33391200015000000004.0

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC
2 RUNS @ 100 LF 0630 2 12
100 LF 0633 1123



MATCHLINE STA. - 133+00.00

MATCHLINE STA. - 136+00.00

LEGEND

- LIMITS OF MILLING AND RESURFACING
- DETECTABLE WARNING
- 6" CONC. SIDEWALK
- EXISTING MAILBOX

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC
2 RUNS @ 94 LF 0630 2 11
94 LF 0633 1123

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC
2 RUNS @ 106 LF 0630 2 11
106 LF 0633 1123

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHN H. WILT, P.E.
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ATKINS NORTH AMERICA, INC.
7175 MURRELL RD.
MELBOURNE, FL 32940
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INDIAN RIVER COUNTY
PUBLIC WORKS

6TH AVENUE RESURFACING

ROADWAY PLAN (12)

SHEET
NO.

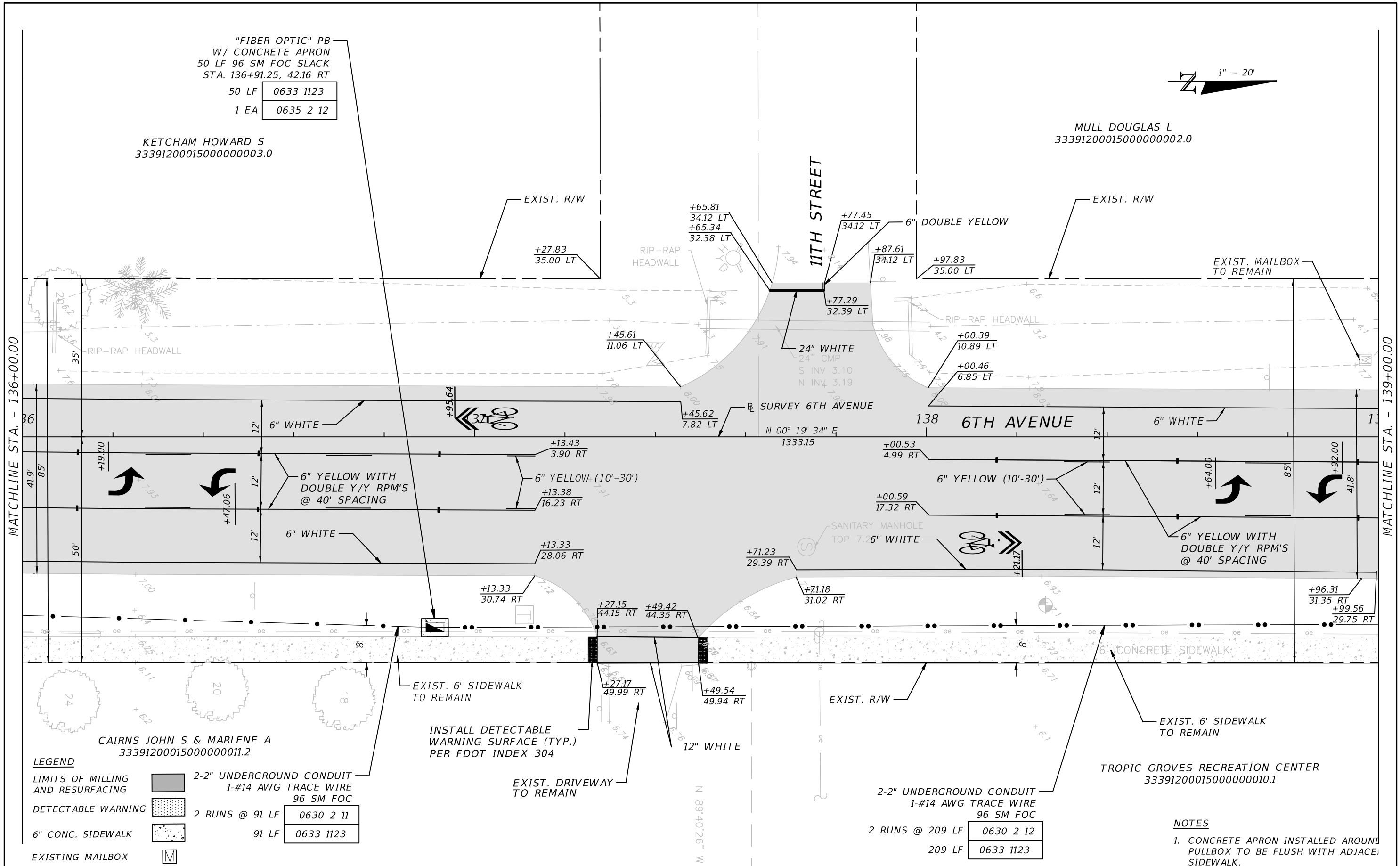
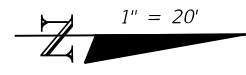
20

"FIBER OPTIC" PB
W/ CONCRETE APRON
50 LF 96 SM FOC SLACK
STA. 136+91.25, 42.16 RT

50 LF	0633 1123
1 EA	0635 2 12

KETCHAM HOWARD S
3339120001500000003.0

MULL DOUGLAS L
3339120001500000002.0



LEGEND

LIMITS OF MILLING AND RESURFACING		2-2" UNDERGROUND CONDUIT 1-#14 AWG TRACE WIRE 96 SM FOC
DETECTABLE WARNING		2 RUNS @ 91 LF 0630 2 11
6" CONC. SIDEWALK		91 LF 0633 1123
EXISTING MAILBOX		

NOTES

- CONCRETE APRON INSTALLED AROUND PULLBOX TO BE FLUSH WITH ADJACENT SIDEWALK.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
ATKINS NORTH AMERICA, INC.
7175 MURRELL RD.
MELBOURNE, FL 32940
CERTIFICATE OF AUTHORIZATION 24

INDIAN RIVER COUNTY
PUBLIC WORKS

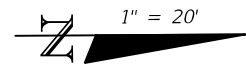
6TH AVENUE RESURFACING

ROADWAY PLAN (13)

SHEET NO.
21

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC

2 RUNS @ 70 LF	0630 2 12
70 LF	0633 1123

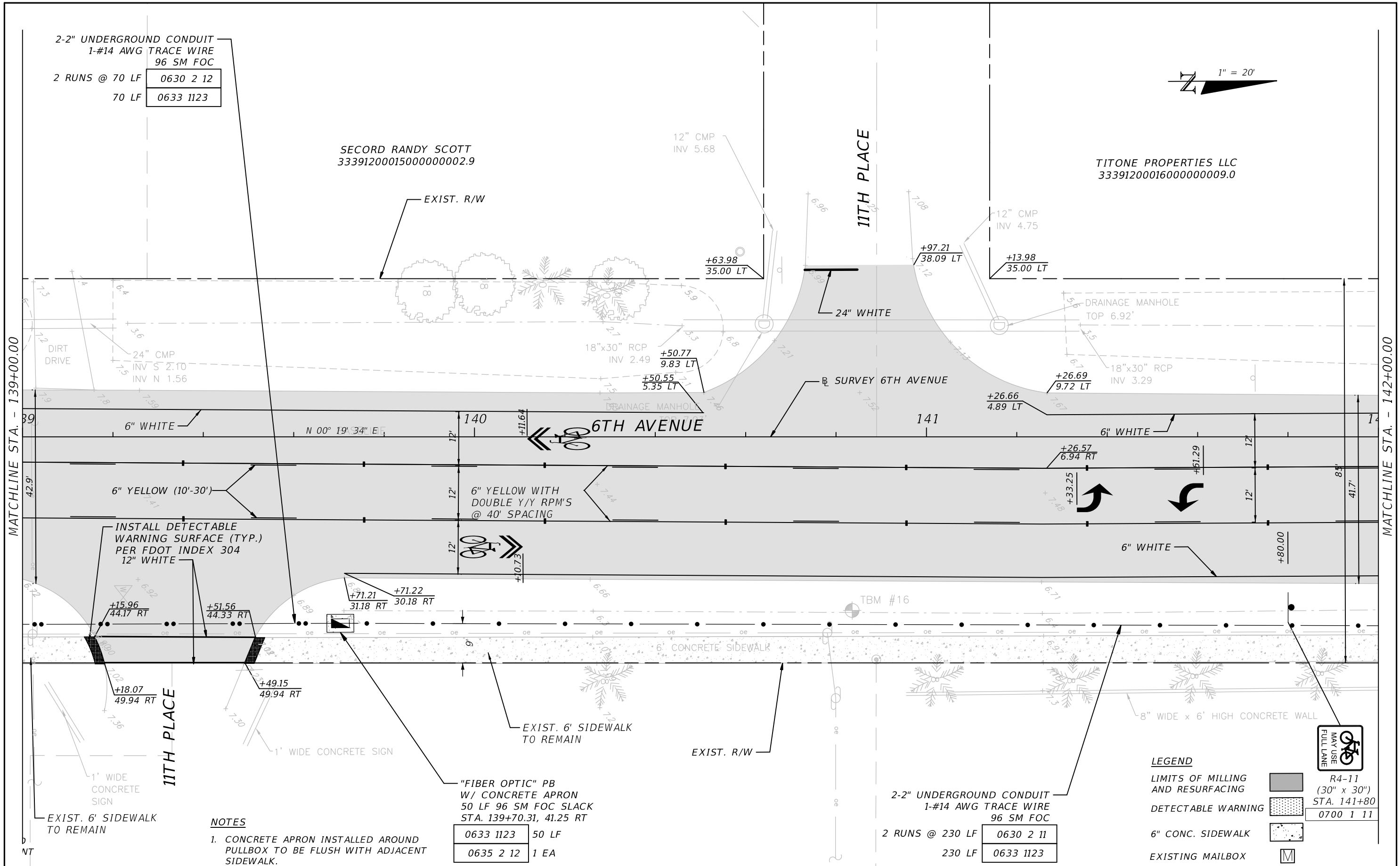


SECORD RANDY SCOTT
33391200015000000002.9

TITONE PROPERTIES LLC
33391200016000000009.0

MATCHLINE STA. - 139+00.00

MATCHLINE STA. - 142+00.00



INSTALL DETECTABLE WARNING SURFACE (TYP.) PER FDOT INDEX 304
12" WHITE

NOTES
1. CONCRETE APRON INSTALLED AROUND PULLBOX TO BE FLUSH WITH ADJACENT SIDEWALK.

"FIBER OPTIC" PB W/ CONCRETE APRON
50 LF 96 SM FOC SLACK
STA. 139+70.31, 41.25 RT

0633 1123	50 LF
0635 2 12	1 EA

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC

2 RUNS @ 230 LF	0630 2 11
230 LF	0633 1123

LEGEND

- LIMITS OF MILLING AND RESURFACING R4-11 (30" x 30") STA. 141+80
- DETECTABLE WARNING 0700 1 11
- 6" CONC. SIDEWALK
- EXISTING MAILBOX

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
ATKINS NORTH AMERICA, INC.
7175 MURRELL RD.
MELBOURNE, FL 32940
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INDIAN RIVER COUNTY
PUBLIC WORKS

6TH AVENUE RESURFACING

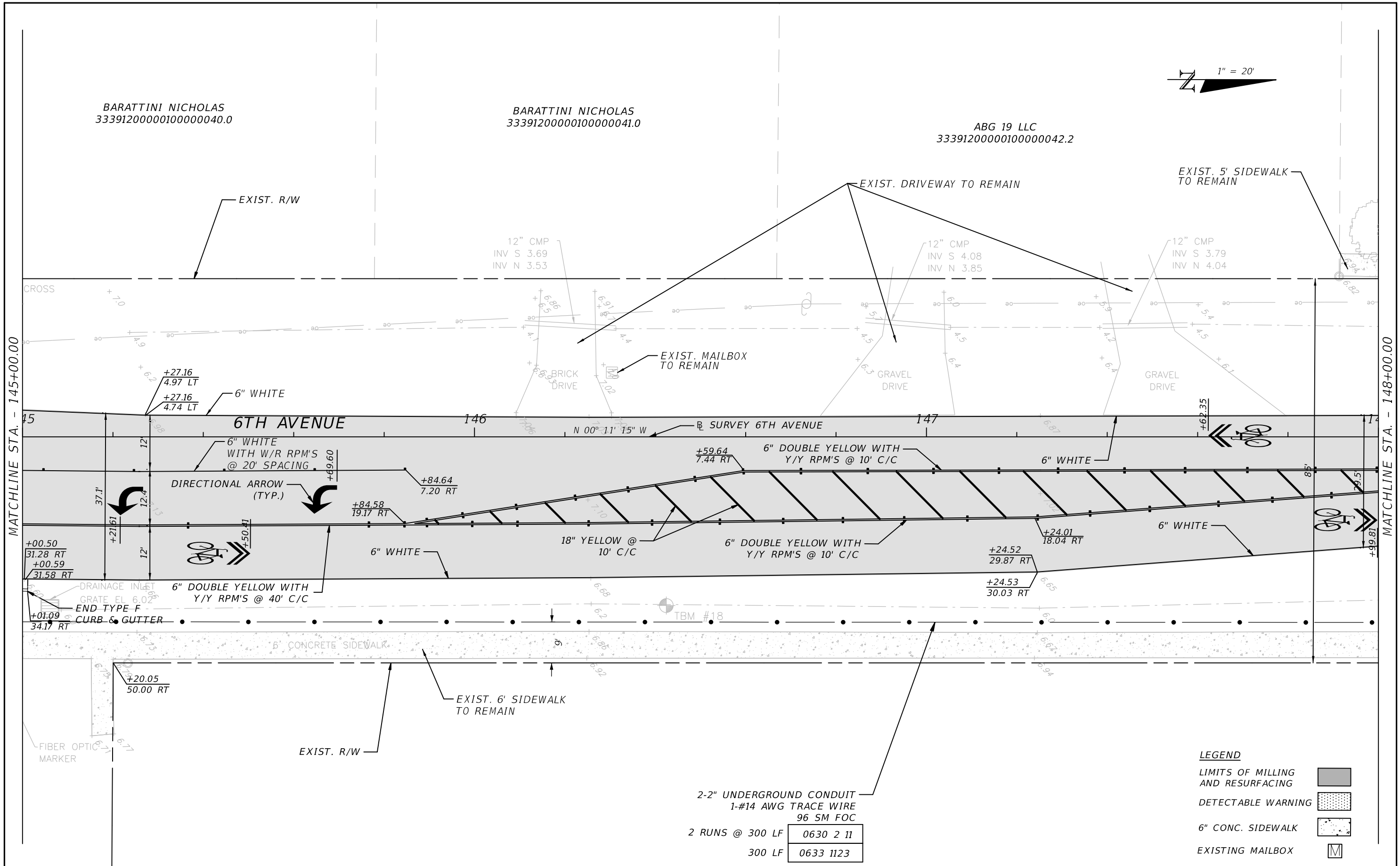
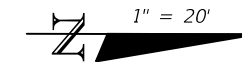
ROADWAY PLAN (14)

SHEET NO.
22

BARATTINI NICHOLAS
33391200000100000040.0

BARATTINI NICHOLAS
33391200000100000041.0

ABG 19 LLC
33391200000100000042.2



MATCHLINE STA. - 145+00.00

MATCHLINE STA. - 148+00.00

LEGEND

LIMITS OF MILLING AND RESURFACING	
DETECTABLE WARNING	
6\"/>	
EXISTING MAILBOX	

2-2\"/>

2 RUNS @ 300 LF	0630 2 11
300 LF	0633 1123

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

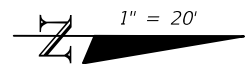
JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
ATKINS NORTH AMERICA, INC.
7175 MURRELL RD.
MELBOURNE, FL 32940
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INDIAN RIVER COUNTY
PUBLIC WORKS

6TH AVENUE RESURFACING

ROADWAY PLAN (16)

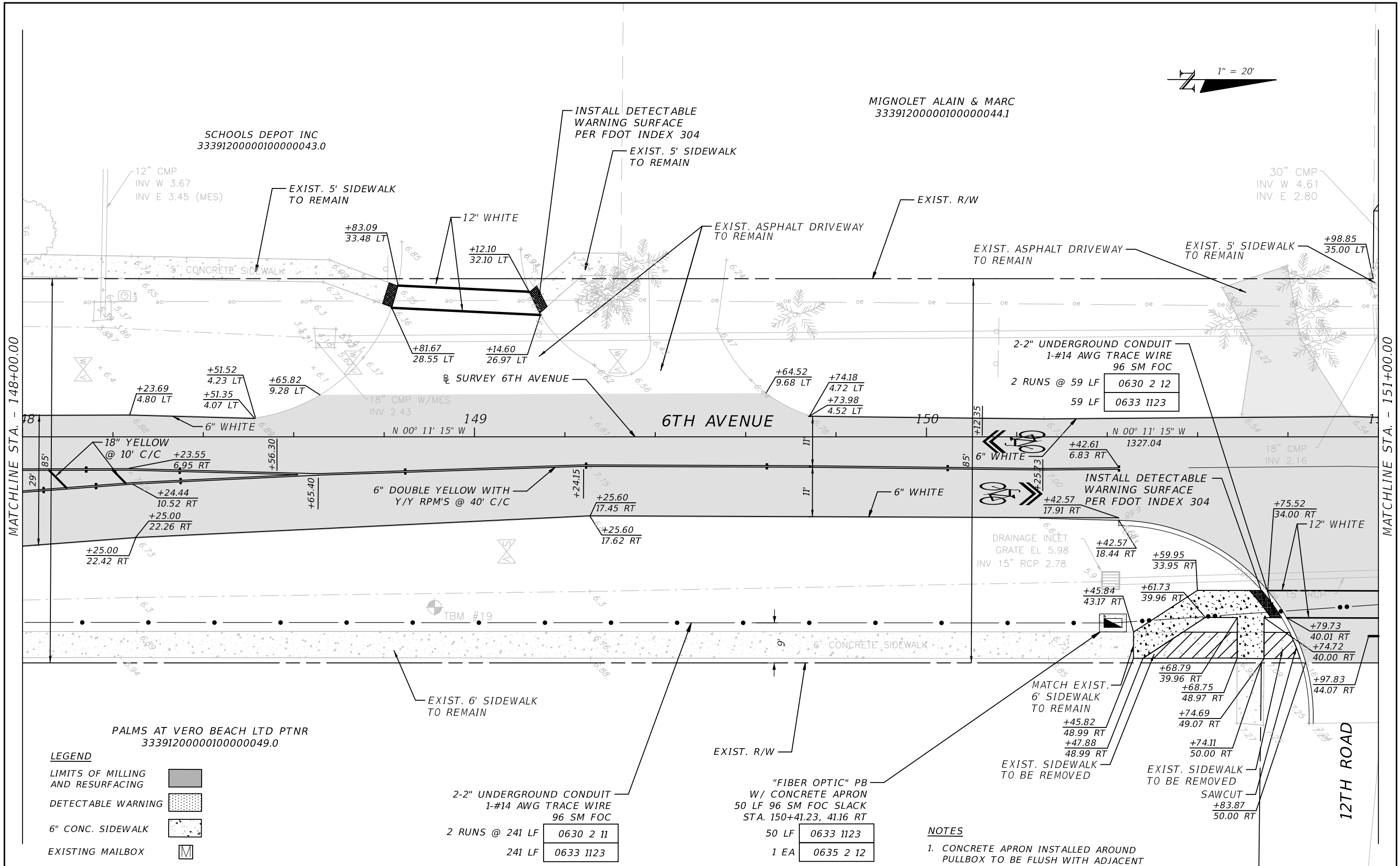
SHEET NO.
24



MIGNOLET ALAIN & MARC
33391200000100000044.1

SCHOOLS DEPOT INC
33391200000100000043.0

PALMS AT VERO BEACH LTD PTNR
33391200000100000049.0



LEGEND

- LIMITS OF MILLING AND RESURFACING
- DETECTABLE WARNING
- 6" CONC. SIDEWALK
- EXISTING MAILBOX

2-2" UNDERGROUND CONDUIT 1-#14 AWG TRACE WIRE 96 SM FOC	2 RUNS @ 241 LF	0630 2 11
	241 LF	0633 1123

"FIBER OPTIC" PB W/ CONCRETE APRON 50 LF 96 SM FOC SLACK STA. 150+41.23, 41.16 RT	50 LF	0633 1123
	1 EA	0635 2 12

NOTES

- CONCRETE APRON INSTALLED AROUND PULLBOX TO BE FLUSH WITH ADJACENT SIDEWALK

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

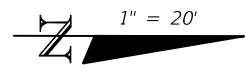
JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
ATKINS NORTH AMERICA, INC.
7175 MURRELL RD.
MELBOURNE, FL 32940
CERTIFICATE OF AUTHORIZATION 24

INDIAN RIVER COUNTY
PUBLIC WORKS

6TH AVENUE RESURFACING

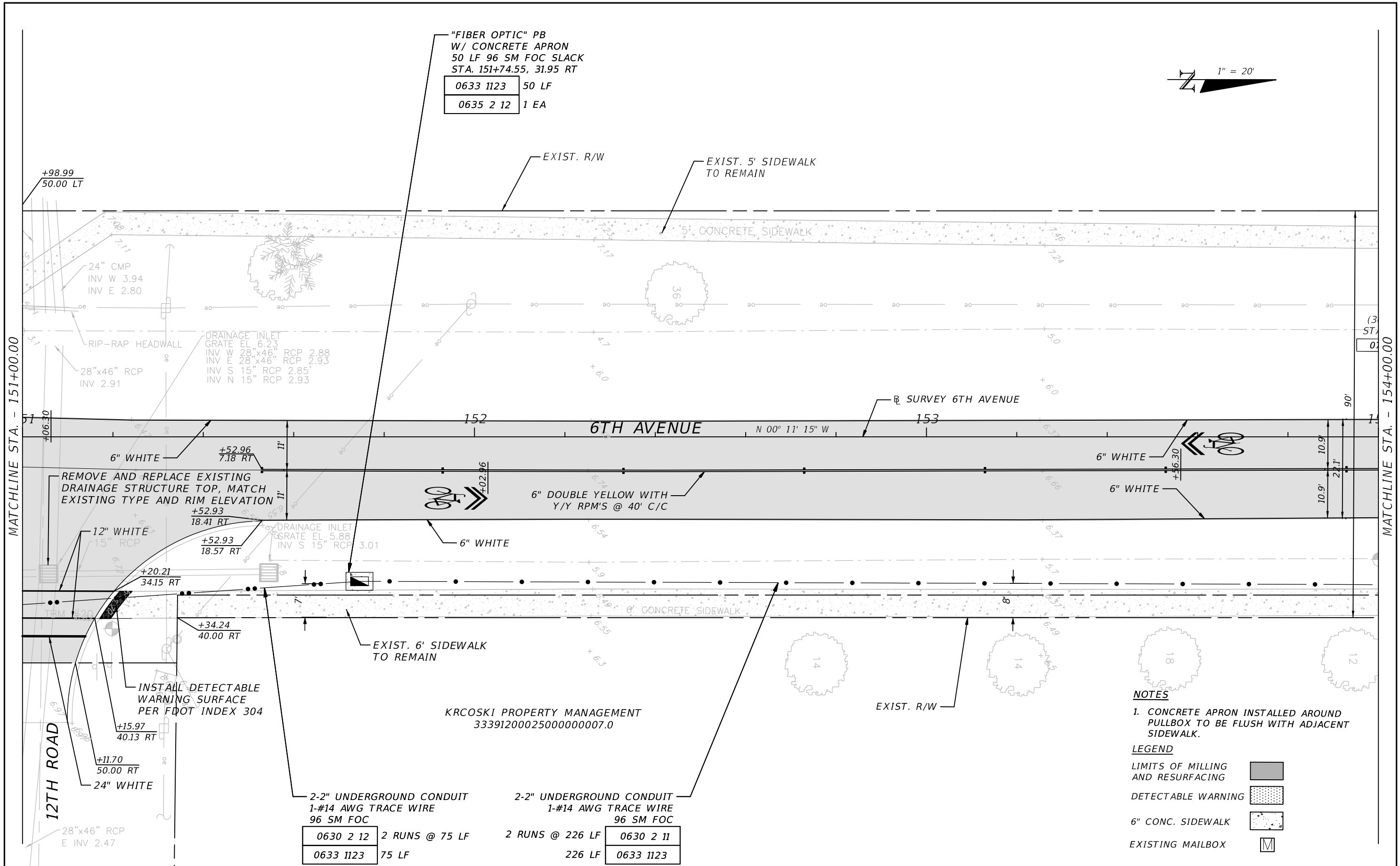
ROADWAY PLAN (17)

SHEET NO.
25



"FIBER OPTIC" PB
W/ CONCRETE APRON
50 LF 96 SM FOC SLACK
STA. 151+74.55, 31.95 RT

0633 1123	50 LF
0635 2 12	1 EA



NOTES

1. CONCRETE APRON INSTALLED AROUND PULLBOX TO BE FLUSH WITH ADJACENT SIDEWALK.

LEGEND

- LIMITS OF MILLING AND RESURFACING
- DETECTABLE WARNING
- 6" CONC. SIDEWALK
- EXISTING MAILBOX

KRCOSKI PROPERTY MANAGEMENT
3339120002500000007.0

0630 2 12	2 RUNS @ 75 LF	2-2" UNDERGROUND CONDUIT 1-#14 AWG TRACE WIRE 96 SM FOC	2 RUNS @ 226 LF	0630 2 11
0633 1123	75 LF		226 LF	0633 1123

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
ATKINS NORTH AMERICA, INC.
7175 MURRELL RD.
MELBOURNE, FL 32940
CERTIFICATE OF AUTHORIZATION 24

INDIAN RIVER COUNTY
PUBLIC WORKS

6TH AVENUE RESURFACING

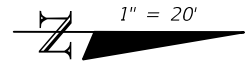
ROADWAY PLAN (18)

SHEET NO.
26

VERO BEACH ELDERLY HOUSING INC
3339120000100000045.0

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC

0630 2 11	2 RUNS @ 7 LF
0633 1123	7 LF



R4-11
(30" x 30")
STA. 156+20
0700 1 11



EXIST. 5' SIDEWALK
TO REMAIN
+32.67
50.00 LT
+32.60
35.00 LT
+13.10
46.41 LT

EXIST. 6' SIDEWALK
TO REMAIN

BUS STOP

5' CONCRETE SIDEWALK



R1-1
(30" x 30")
STA. 154+23
0700 1 11

BUS STOP

14"x20" CMP W/MES
INV S 4.85
INV N 4.86

6TH AVENUE

N 00° 11' 15" W

INSTALL DETECTABLE
WARNING SURFACE (TYP.)
PER FDOT INDEX 304

6" DOUBLE YELLOW WITH
Y/Y RPM'S @ 40' C/C

6" WHITE

12" WHITE

BUS STOP

EXISTING 6' SIDEWALK
TO REMAIN



RAVV PROPERTIES LLC
3339120002500000001.0

LEGEND

- LIMITS OF MILLING AND RESURFACING
- DETECTABLE WARNING
- 6" CONC. SIDEWALK
- EXISTING MAILBOX

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC

0630 2 12	2 RUNS @ 116 LF
0633 1123	116 LF

COUPLE CONDUIT
STA. 155+22.90, 33.08 RT

2 RUNS @ 177 LF

0630 2 11	177 LF
0633 1123	

MATCHLINE STA. - 154+00.00

MATCHLINE STA. - 157+00.00

13TH PLACE

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

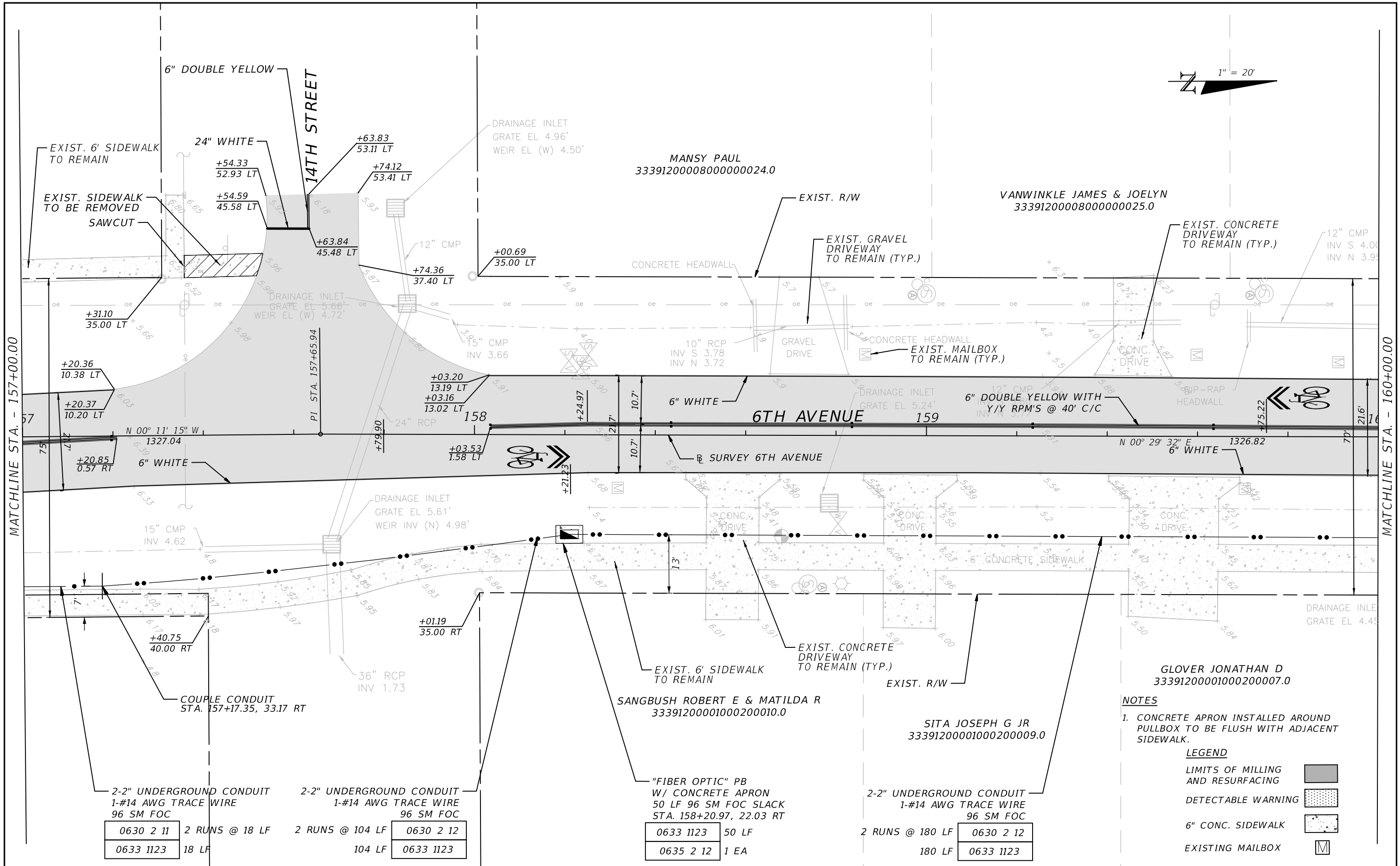
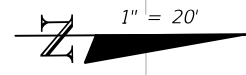
JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
ATKINS NORTH AMERICA, INC.
7175 MURRELL RD.
MELBOURNE, FL 32940
CERTIFICATE OF AUTHORIZATION 24

INDIAN RIVER COUNTY
PUBLIC WORKS

6TH AVENUE RESURFACING

ROADWAY PLAN (19)

SHEET NO.
27



MATCHLINE STA. - 157+00.00

MATCHLINE STA. - 160+00.00

0630 2 11	2 RUNS @ 18 LF	0630 2 12	2 RUNS @ 104 LF
0633 1123	18 LF	0633 1123	104 LF

0633 1123	50 LF
0635 2 12	1 EA

0630 2 12	2 RUNS @ 180 LF
0633 1123	180 LF

NOTES
 1. CONCRETE APRON INSTALLED AROUND PULLBOX TO BE FLUSH WITH ADJACENT SIDEWALK.

LEGEND

LIMITS OF MILLING AND RESURFACING	
DETECTABLE WARNING	
6" CONC. SIDEWALK	
EXISTING MAILBOX	

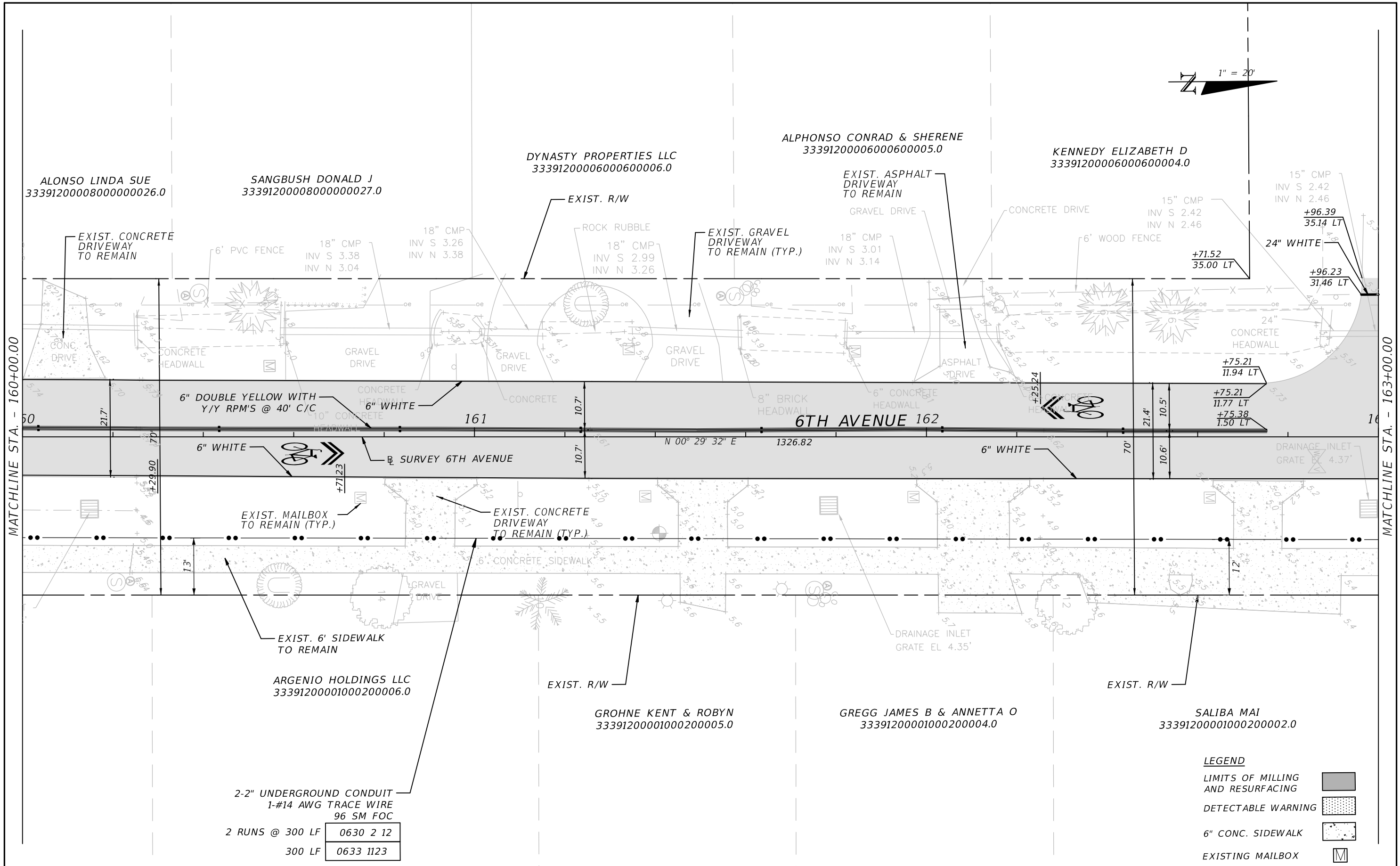
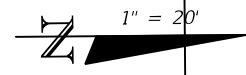
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHN H. WILT, P.E.
 P.E. LICENSE NUMBER 53233
 ATKINS NORTH AMERICA, INC.
 7175 MURRELL RD.
 MELBOURNE, FL 32940
 CERTIFICATE OF AUTHORIZATION 24

INDIAN RIVER COUNTY
 PUBLIC WORKS
 6TH AVENUE RESURFACING

ROADWAY PLAN (20)

SHEET NO.
 28



2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC

2 RUNS @ 300 LF	0630 2 12
300 LF	0633 1123

LEGEND

LIMITS OF MILLING AND RESURFACING	
DETECTABLE WARNING	
6" CONC. SIDEWALK	
EXISTING MAILBOX	

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

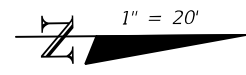
JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
ATKINS NORTH AMERICA, INC.
7175 MURRELL RD.
MELBOURNE, FL 32940
CERTIFICATE OF AUTHORIZATION 24

INDIAN RIVER COUNTY
PUBLIC WORKS

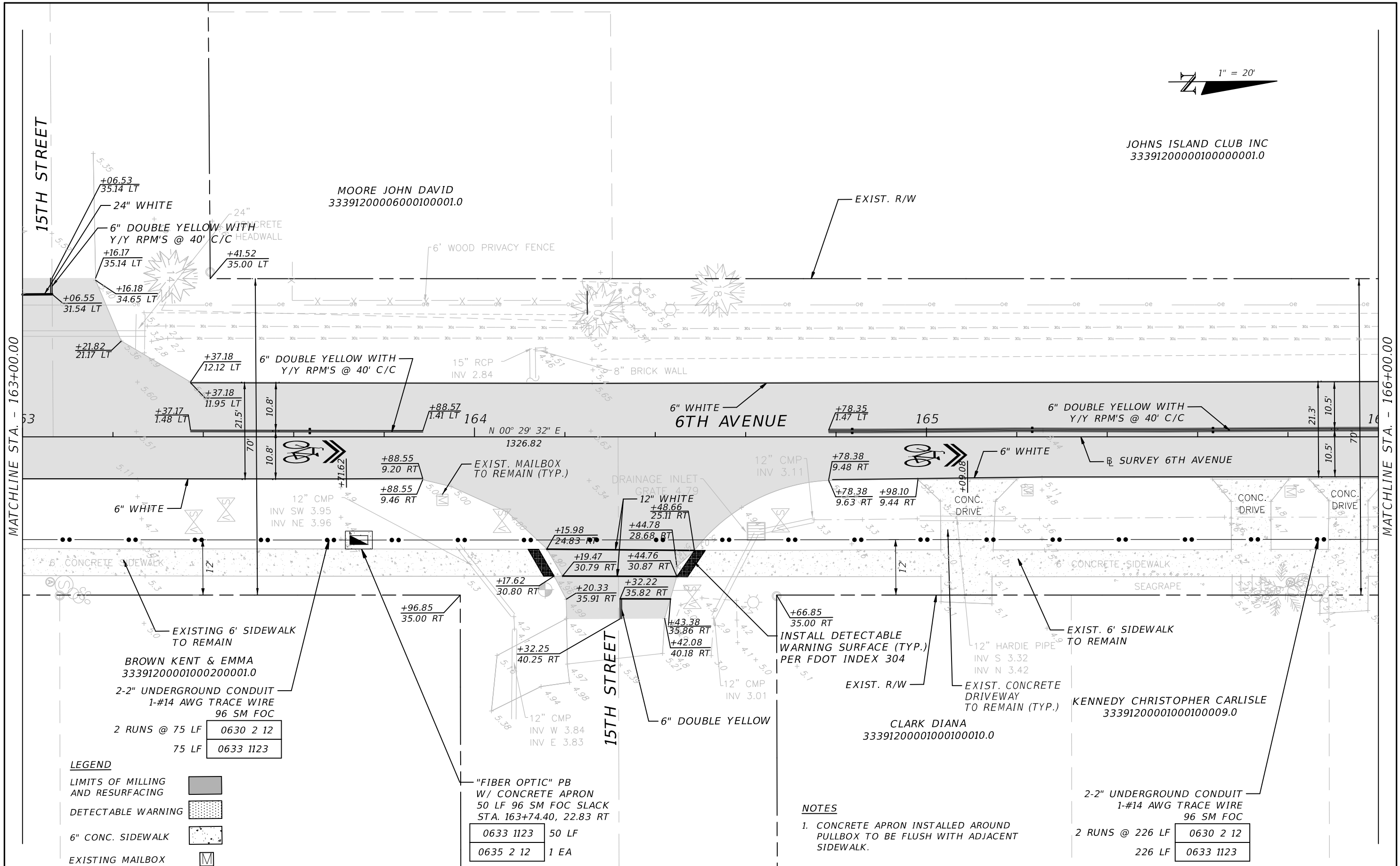
6TH AVENUE RESURFACING

ROADWAY PLAN (21)

SHEET NO.
29



JOHNS ISLAND CLUB INC
3339120000100000001.0



- LEGEND**
- LIMITS OF MILLING AND RESURFACING
 - DETECTABLE WARNING
 - 6\"/>

BROWN KENT & EMMA
33391200001000200001.0
2-2\"/>

"FIBER OPTIC" PB
W/ CONCRETE APRON
50 LF 96 SM FOC SLACK
STA. 163+74.40, 22.83 RT

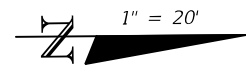
0633 1123	50 LF
0635 2 12	1 EA

NOTES

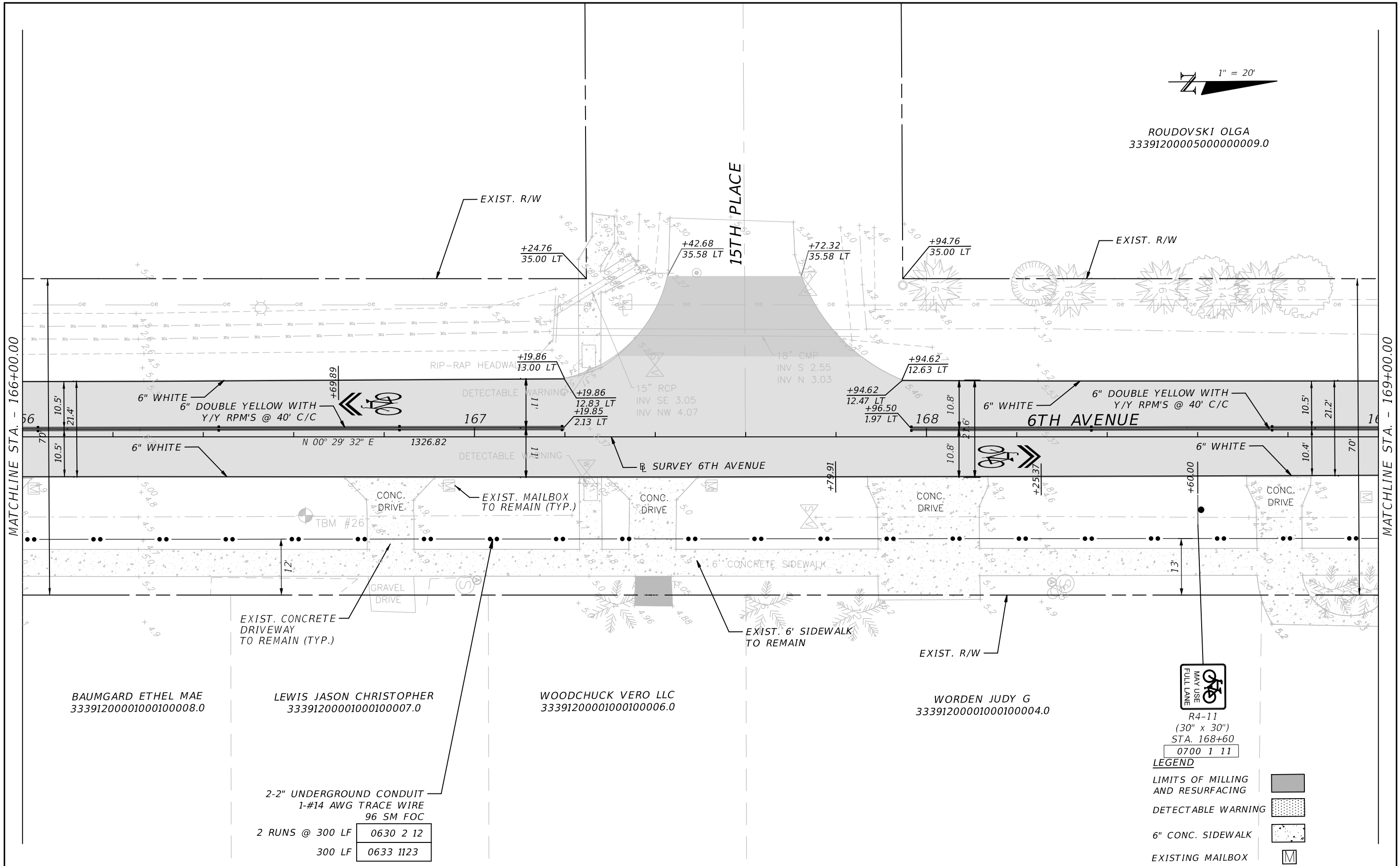
1. CONCRETE APRON INSTALLED AROUND PULLBOX TO BE FLUSH WITH ADJACENT SIDEWALK.

2-2\"/>

REVISIONS				JOHN H. WILT, P.E. P.E. LICENSE NUMBER 53233 ATKINS NORTH AMERICA, INC. 7175 MURRELL RD. MELBOURNE, FL 32940 CERTIFICATE OF AUTHORIZATION 24	INDIAN RIVER COUNTY PUBLIC WORKS 6TH AVENUE RESURFACING	ROADWAY PLAN (22)	SHEET NO.
DATE	DESCRIPTION	DATE	DESCRIPTION				30



RODOVSKI OLGA
3339120000500000009.0



BAUMGARD ETHEL MAE
33391200001000100008.0

LEWIS JASON CHRISTOPHER
33391200001000100007.0

WOODCHUCK VERO LLC
33391200001000100006.0

WORDEN JUDY G
33391200001000100004.0

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC

2 RUNS @ 300 LF	0630 2 12
300 LF	0633 1123

R4-11
(30" x 30")
STA. 168+60
0700 1 11

- LEGEND**
- LIMITS OF MILLING AND RESURFACING
 - DETECTABLE WARNING
 - 6" CONC. SIDEWALK
 - EXISTING MAILBOX

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

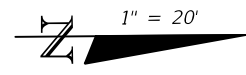
JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
ATKINS NORTH AMERICA, INC.
7175 MURRELL RD.
MELBOURNE, FL 32940
CERTIFICATE OF AUTHORIZATION 24

INDIAN RIVER COUNTY
PUBLIC WORKS

6TH AVENUE RESURFACING

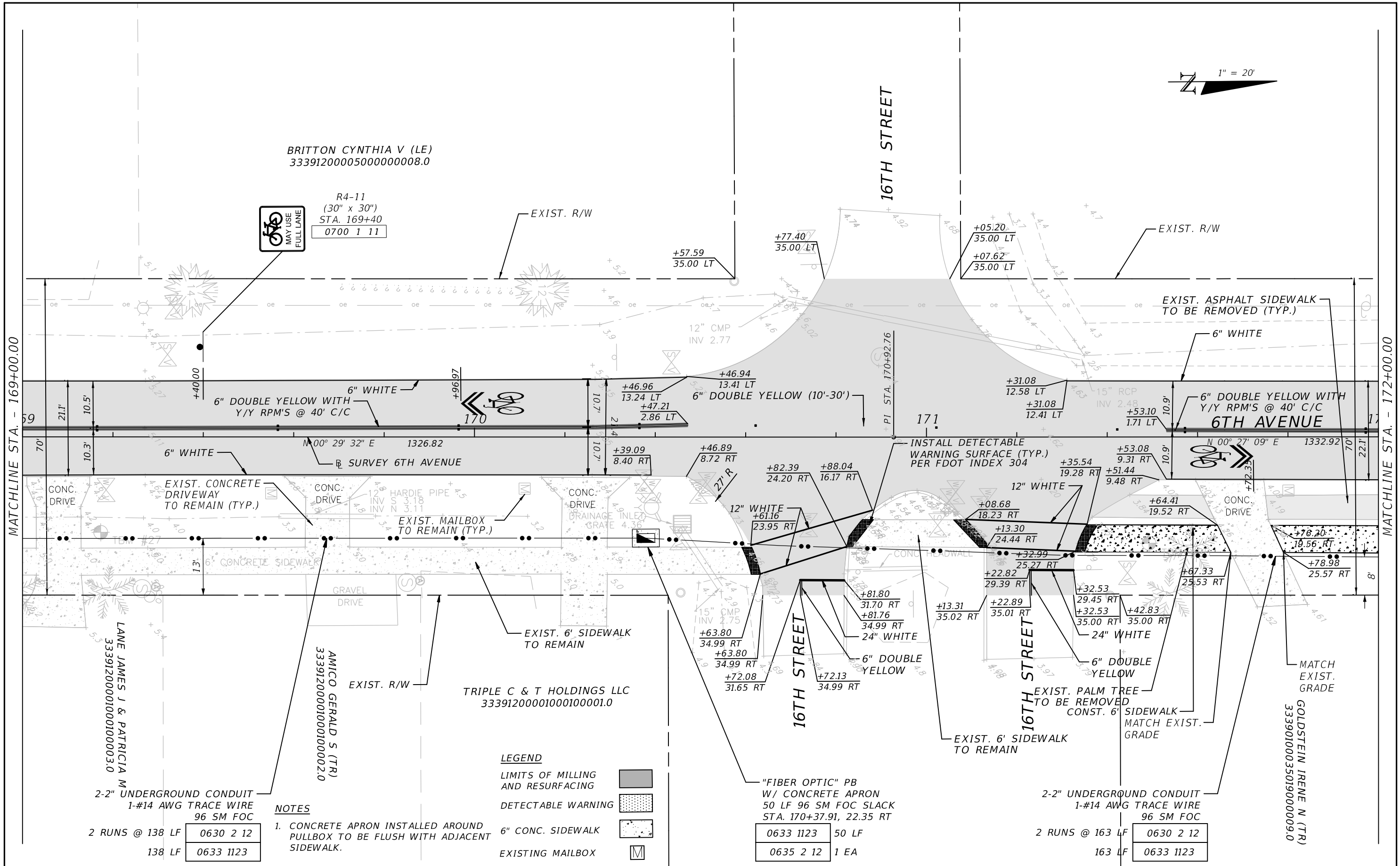
ROADWAY PLAN (23)

SHEET NO.
31



BRITTON CYNTHIA V (LE)
3339120000500000008.0

R4-11
(30" x 30")
STA. 169+40
0700 1 11



MATCHLINE STA. - 169+00.00

MATCHLINE STA. - 172+00.00

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC
2 RUNS @ 138 LF 0630 2 12
138 LF 0633 1123

NOTES
1. CONCRETE APRON INSTALLED AROUND
PULLBOX TO BE FLUSH WITH ADJACENT
SIDEWALK.

LEGEND
LIMITS OF MILLING
AND RESURFACING
DETECTABLE WARNING
6" CONC. SIDEWALK
EXISTING MAILBOX

"FIBER OPTIC" PB
W/ CONCRETE APRON
50 LF 96 SM FOC SLACK
STA. 170+37.91, 22.35 RT
0633 1123 50 LF
0635 2 12 1 EA

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC
2 RUNS @ 163 LF 0630 2 12
163 LF 0633 1123

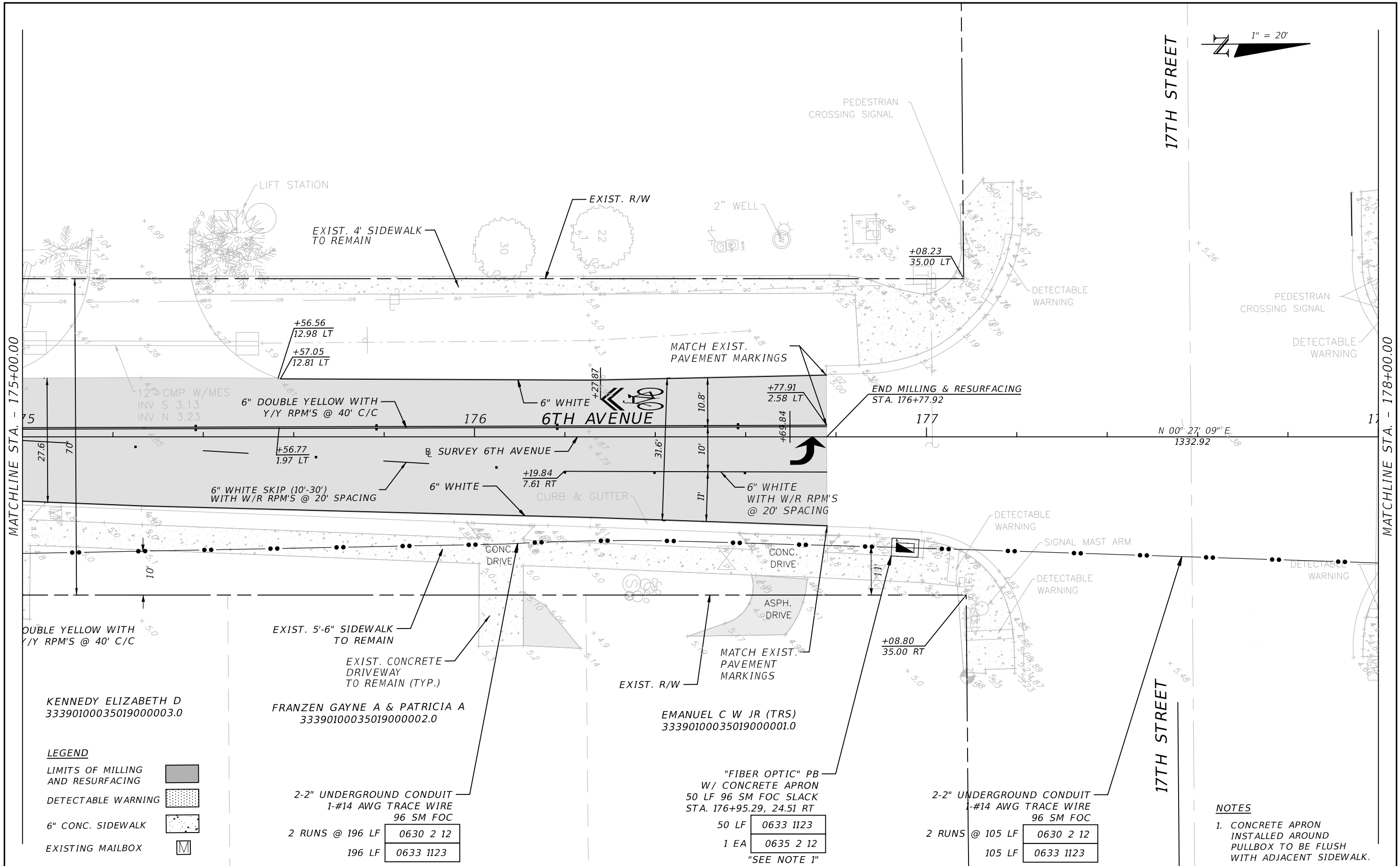
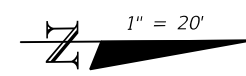
REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
ATKINS NORTH AMERICA, INC.
7175 MURRELL RD.
MELBOURNE, FL 32940
CERTIFICATE OF AUTHORIZATION 24

INDIAN RIVER COUNTY
PUBLIC WORKS
6TH AVENUE RESURFACING

ROADWAY PLAN (24)

SHEET NO.
32



MATCHLINE STA. - 175+00.00

MATCHLINE STA. - 178+00.00

LEGEND

- LIMITS OF MILLING AND RESURFACING
- DETECTABLE WARNING
- 6" CONC. SIDEWALK
- EXISTING MAILBOX

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC

2 RUNS @ 196 LF	0630 2 12
196 LF	0633 1123

"FIBER OPTIC" PB
W/ CONCRETE APRON
50 LF 96 SM FOC SLACK
STA. 176+95.29, 24.51 RT

50 LF	0633 1123
1 EA	0635 2 12

"SEE NOTE 1"

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC

2 RUNS @ 105 LF	0630 2 12
105 LF	0633 1123

NOTES

1. CONCRETE APRON INSTALLED AROUND PULLBOX TO BE FLUSH WITH ADJACENT SIDEWALK.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
ATKINS NORTH AMERICA, INC.
7175 MURRELL RD.
MELBOURNE, FL 32940
CERTIFICATE OF AUTHORIZATION 24

**INDIAN RIVER COUNTY
PUBLIC WORKS**

6TH AVENUE RESURFACING

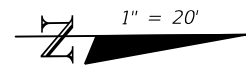
ROADWAY PLAN (26)

SHEET
NO.
34

EXISTING FOC CONDUIT TRAVELING E/W AND "FIBER OPTIC" PB SHOWN FOR REFERENCE ONLY. DEPICTED BASED ON PROVIDED INFORMATION FROM THE COUNTY.

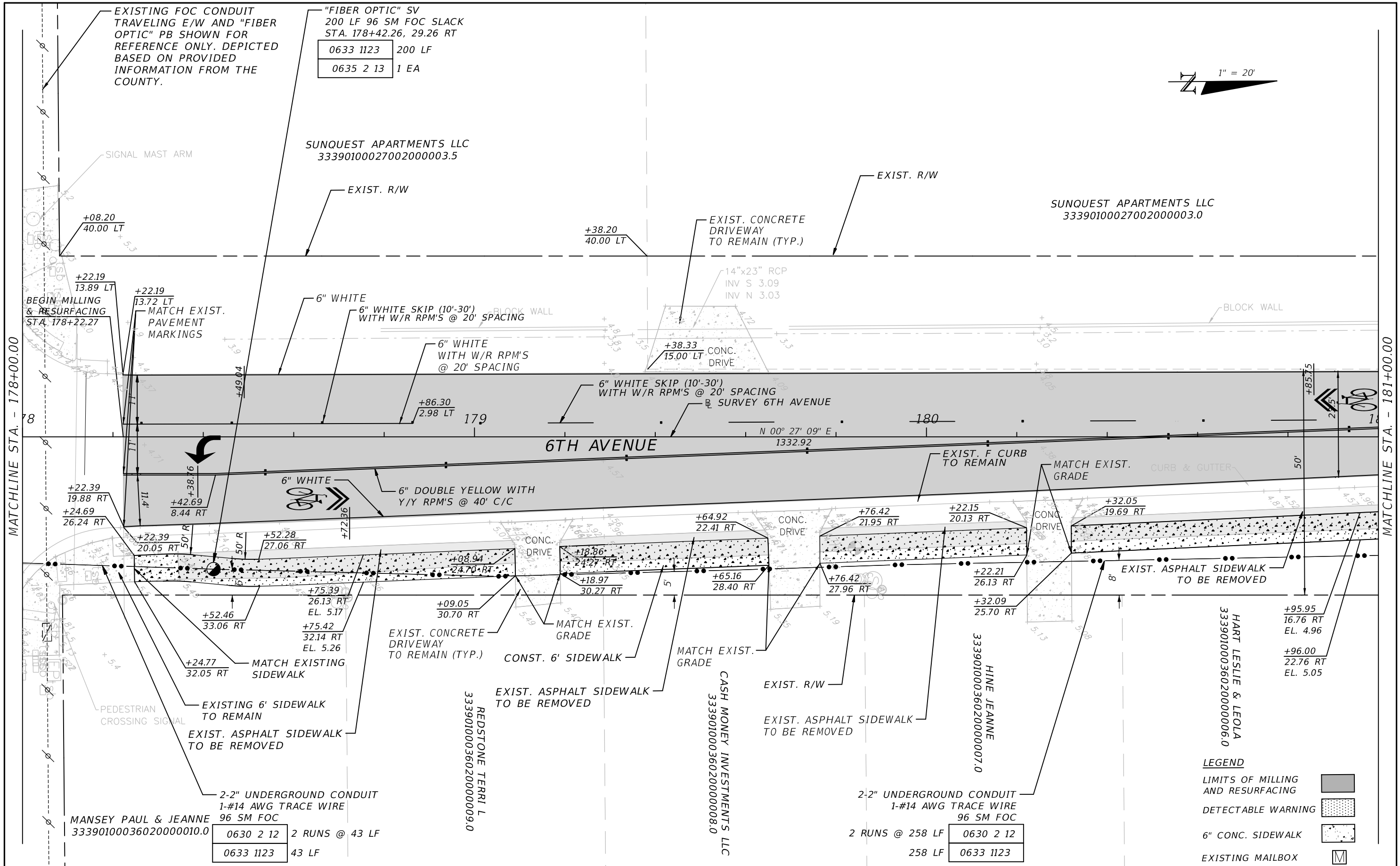
"FIBER OPTIC" SV
200 LF 96 SM FOC SLACK
STA. 178+42.26, 29.26 RT

0633 1123	200 LF
0635 2 13	1 EA



SUNQUEST APARTMENTS LLC
33390100027002000003.5

SUNQUEST APARTMENTS LLC
33390100027002000003.0



- LEGEND**
- LIMITS OF MILLING AND RESURFACING
 - DETECTABLE WARNING
 - 6" CONC. SIDEWALK
 - EXISTING MAILBOX

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

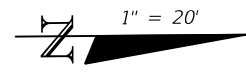
JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
ATKINS NORTH AMERICA, INC.
7175 MURRELL RD.
MELBOURNE, FL 32940
CERTIFICATE OF AUTHORIZATION 24

INDIAN RIVER COUNTY
PUBLIC WORKS

6TH AVENUE RESURFACING

ROADWAY PLAN (27)

SHEET NO.
35



R4-11
(30" x 30")
STA. 182+20
0700 1 11

SUNQUEST APARTMENTS LLC
33390100027002000003.0



EXIST. CONCRETE DRIVEWAY
TO REMAIN

14"x23" CMP
INV S 2.61
INV N 2.51

CURB INLET
GRATE EL. 3.95'

15" RCP
INV 2.22
+90.61

15.00 LT

+89.58
14.84 LT

+82.90
15.00 LT

+84.41
4.22 LT

+87.31
10.10 RT

+97.40
14.97 RT

+94.79
15.68 RT



6" DOUBLE YELLOW WITH
Y/Y RPM'S @ 40'

6" WHITE

6TH AVENUE

N 00° 27' 09" E
1332.92

183

EXIST. MAILBOX
TO REMAIN (TYP.)

+69.85
15.37 RT

CONC. DRIVE
+87.78

15.59 RT

+87.83
21.59 RT

+69.73
21.37 RT

+79.63
21.49 RT

+89.77
11.85 RT

+98.70
21.22 RT

+91.10
35.00 RT

LEGEND

- LIMITS OF MILLING AND RESURFACING
- DETECTABLE WARNING
- 6" CONC. SIDEWALK
- EXISTING MAILBOX

FATIGATE RICHARD
33390100036020000004.0

R4-11
(30" x 30")
STA. 181+80
0700 1 11

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC
2 RUNS @ 283 LF 0630 2 12
283 LF 0633 1123

PALMER BRIAN BRUCE
33390100036020000003.0

NOTES

1. CONCRETE APRON INSTALLED AROUND PULLBOX TO BE FLUSH WITH ADJACENT SIDEWALK.

GREGG JAMES B
33390100036020000002.0

KENNEDY ELIZABETH
33390100036020000001.0

"FIBER OPTIC" PB
W/ CONCRETE APRON
50 LF 96 SM FOC SLACK
STA. 183+82.75, 23.52 RT
50 LF 0633 1123
1 EA 0635 2 12
2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC
2 RUNS @ 17 LF 0630 2 12
17 LF 0633 1123

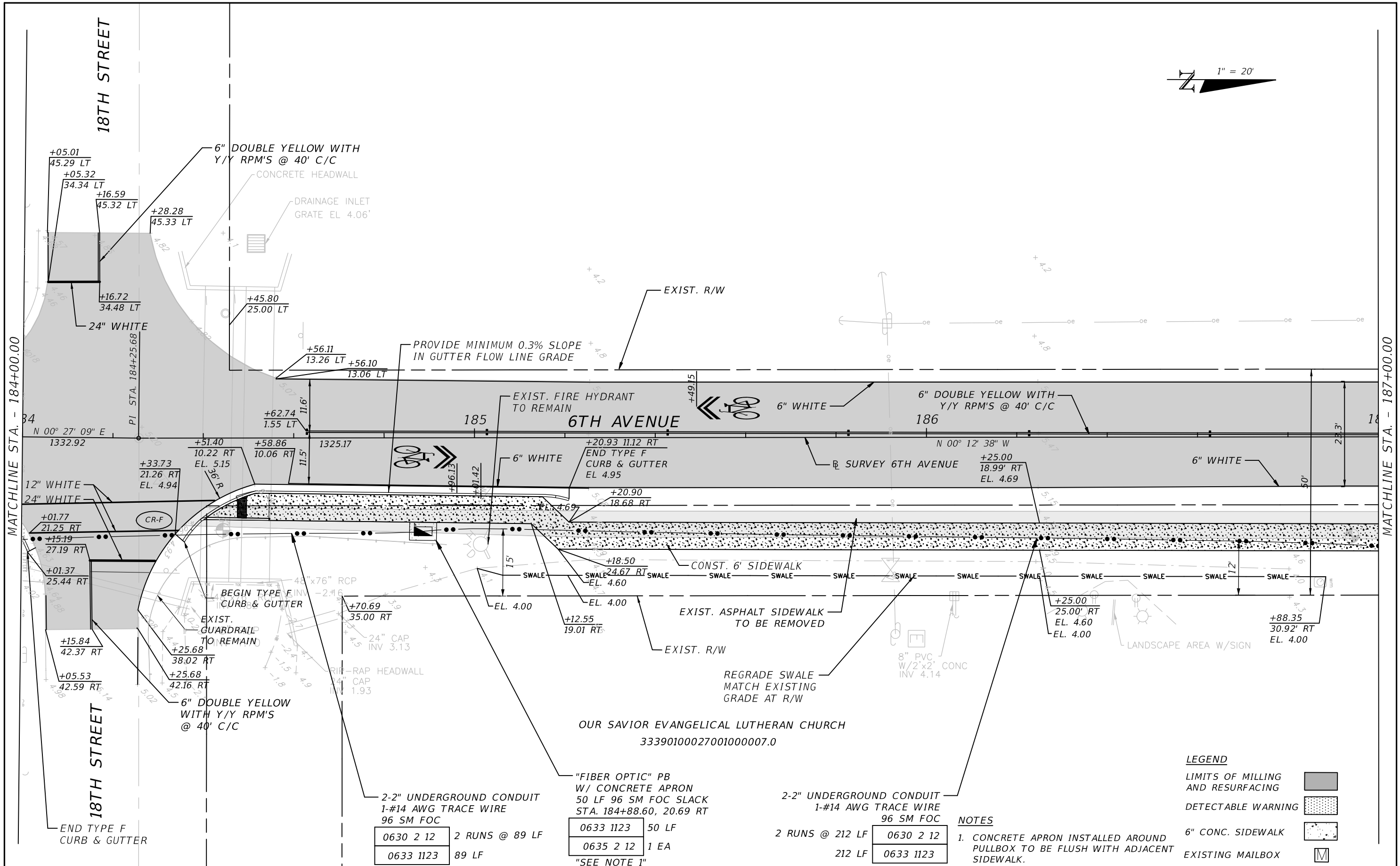
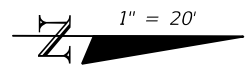
DRAINAGE INLET
GRATE EL. 4.08'

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
ATKINS NORTH AMERICA, INC.
7175 MURRELL RD.
MELBOURNE, FL 32940
CERTIFICATE OF AUTHORIZATION 24

INDIAN RIVER COUNTY
PUBLIC WORKS
6TH AVENUE RESURFACING

ROADWAY PLAN (28)
36



LEGEND

- LIMITS OF MILLING AND RESURFACING
- DETECTABLE WARNING
- 6\"/>

NOTES

1. CONCRETE APRON INSTALLED AROUND PULLBOX TO BE FLUSH WITH ADJACENT SIDEWALK.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

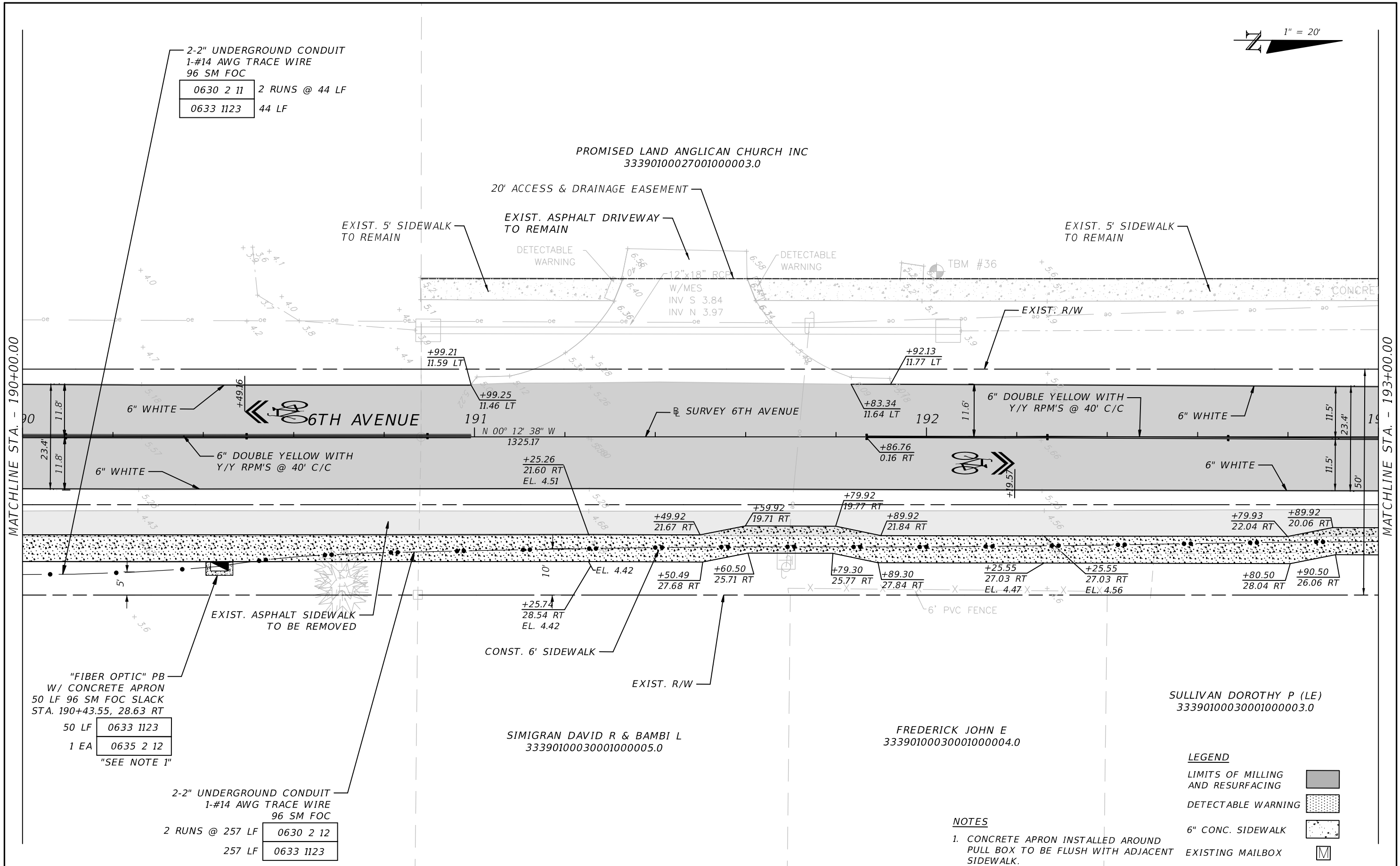
JOHN H. WILT, P.E.
 P.E. LICENSE NUMBER 53233
 ATKINS NORTH AMERICA, INC.
 7175 MURRELL RD.
 MELBOURNE, FL 32940
 CERTIFICATE OF AUTHORIZATION 24

INDIAN RIVER COUNTY
 PUBLIC WORKS

6TH AVENUE RESURFACING

ROADWAY PLAN (29)

SHEET NO.
37



2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC

0630 2 11	2 RUNS @ 44 LF
0633 1123	44 LF

"FIBER OPTIC" PB
W/ CONCRETE APRON
50 LF 96 SM FOC SLACK
STA. 190+43.55, 28.63 RT

50 LF	0633 1123
1 EA	0635 2 12

"SEE NOTE 1"

2-2" UNDERGROUND CONDUIT
1-#14 AWG TRACE WIRE
96 SM FOC

2 RUNS @ 257 LF	0630 2 12
257 LF	0633 1123

SULLIVAN DOROTHY P (LE)
33390100030001000003.0

FREDERICK JOHN E
33390100030001000004.0

SIMIGRAN DAVID R & BAMBI L
33390100030001000005.0

LEGEND

LIMITS OF MILLING AND RESURFACING	
DETECTABLE WARNING	
6" CONC. SIDEWALK	
EXISTING MAILBOX	

- NOTES**
- CONCRETE APRON INSTALLED AROUND PULL BOX TO BE FLUSH WITH ADJACENT SIDEWALK.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

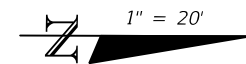
JOHN H. WILT, P.E.
P.E. LICENSE NUMBER 53233
ATKINS NORTH AMERICA, INC.
7175 MURRELL RD.
MELBOURNE, FL 32940
CERTIFICATE OF AUTHORIZATION 24

INDIAN RIVER COUNTY
PUBLIC WORKS

6TH AVENUE RESURFACING

ROADWAY PLAN (31)

SHEET NO.
39



PROMISED LAND ANGLICAN CHURCH INC
33390100027001000003.0

"FIBER OPTIC" PB
W/ CONCRETE APRON
50 LF 96 SM FOC SLACK
STA. 193+98.50, 23.90 RT

50 LF	0633 1123
1 EA	0635 2 12

"SEE NOTE"

EXIST. 5' SIDEWALK
TO REMAIN

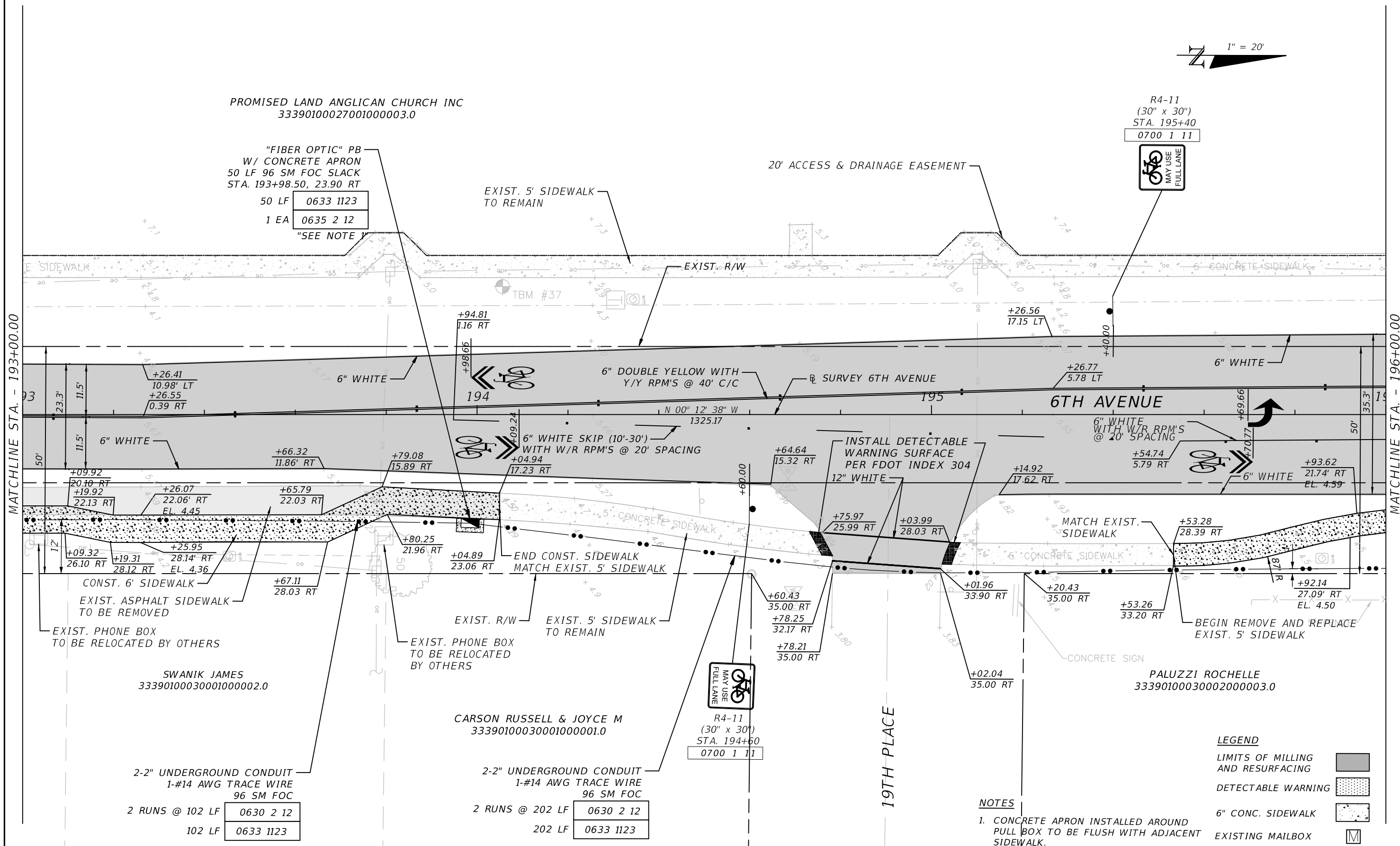
20' ACCESS & DRAINAGE EASEMENT

R4-11
(30" x 30")
STA. 195+40
0700 1 11



MATCHLINE STA. - 193+00.00

MATCHLINE STA. - 196+00.00



NOTES

- CONCRETE APRON INSTALLED AROUND PULL BOX TO BE FLUSH WITH ADJACENT SIDEWALK.

LEGEND

- LIMITS OF MILLING AND RESURFACING
- DETECTABLE WARNING
- 6" CONC. SIDEWALK
- EXISTING MAILBOX

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

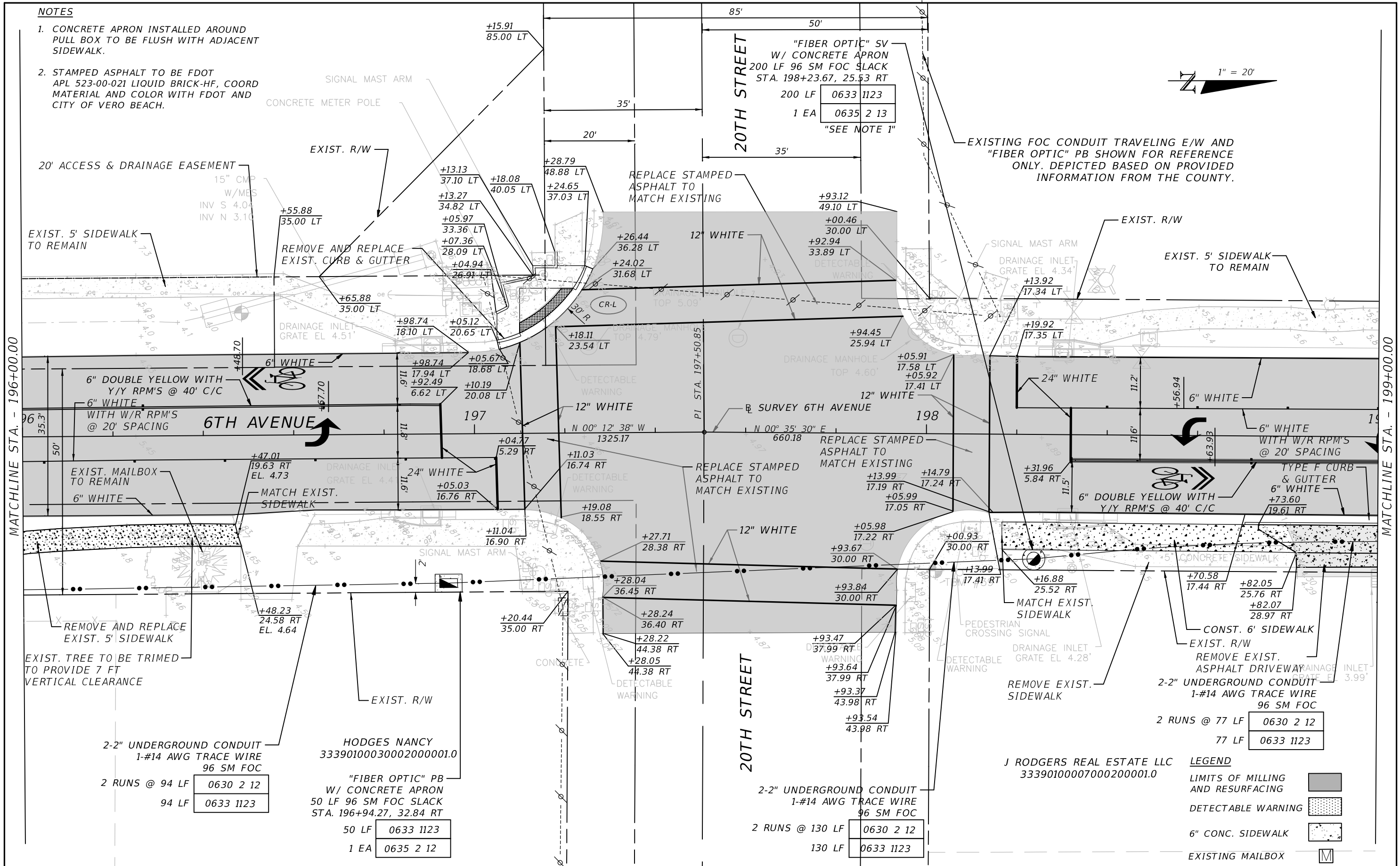
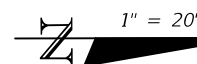
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INDIAN RIVER COUNTY
PUBLIC WORKS
6TH AVENUE RESURFACING

ROADWAY PLAN (32)
SHEET NO. 40

NOTES

1. CONCRETE APRON INSTALLED AROUND PULL BOX TO BE FLUSH WITH ADJACENT SIDEWALK.
2. STAMPED ASPHALT TO BE FDOT APL 523-00-021 LIQUID BRICK-HF, COORD MATERIAL AND COLOR WITH FDOT AND CITY OF VERO BEACH.



MATCHLINE STA. - 196+00.00

MATCHLINE STA. - 199+00.00

2-2" UNDERGROUND CONDUIT 1-#14 AWG TRACE WIRE 96 SM FOC	
2 RUNS @ 94 LF	0630 2 12
94 LF	0633 1123

HODGES NANCY
33390100030002000001.0

"FIBER OPTIC" PB W/ CONCRETE APRON 50 LF 96 SM FOC SLACK STA. 196+94.27, 32.84 RT	
50 LF	0633 1123
1 EA	0635 2 12

2-2" UNDERGROUND CONDUIT 1-#14 AWG TRACE WIRE 96 SM FOC	
2 RUNS @ 130 LF	0630 2 12
130 LF	0633 1123

J RODGERS REAL ESTATE LLC
33390100007000200001.0

LEGEND

- LIMITS OF MILLING AND RESURFACING
- DETECTABLE WARNING
- 6" CONC. SIDEWALK
- EXISTING MAILBOX

REVISIONS		REVISIONS	
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHN H. WILT, P.E.
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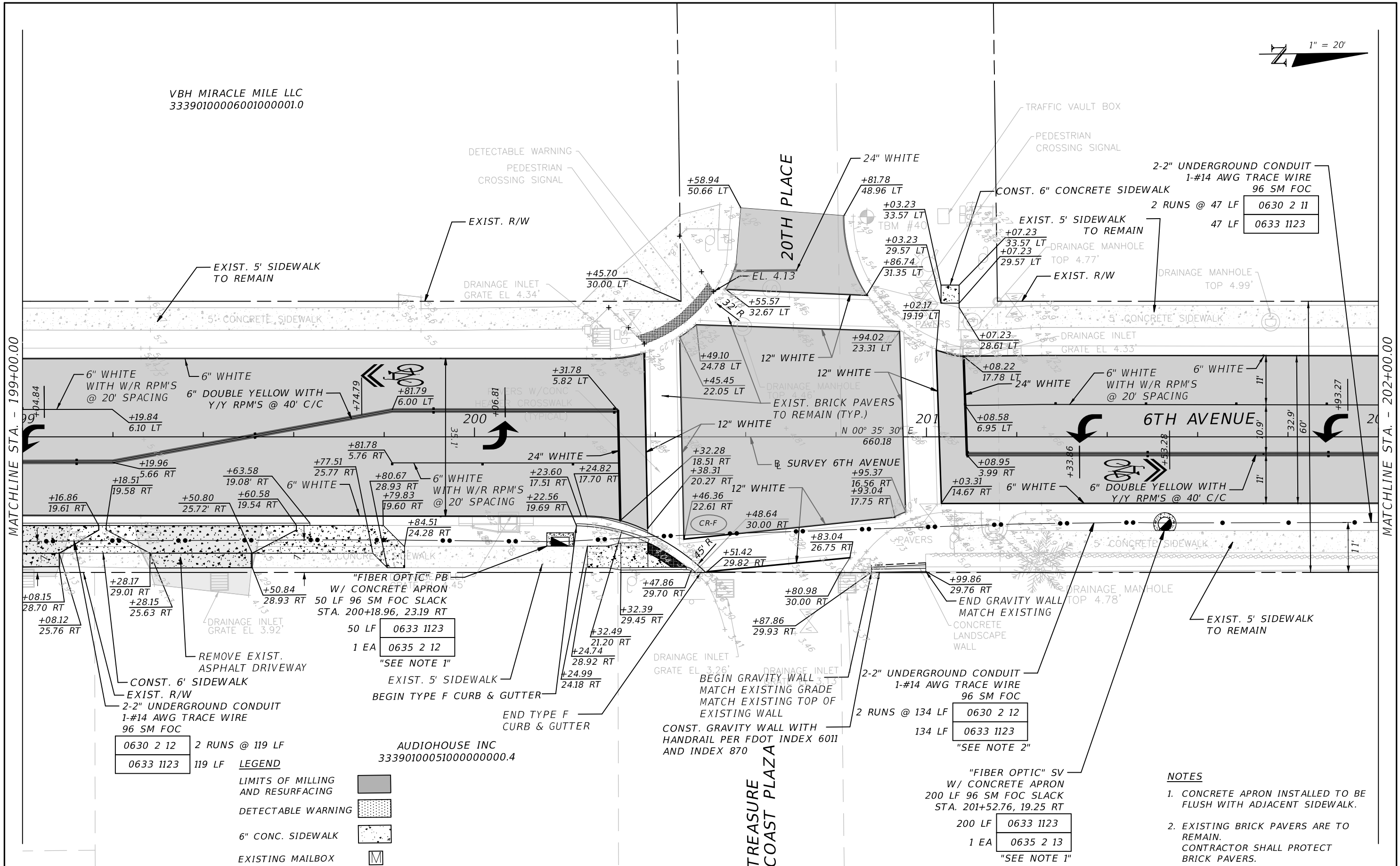
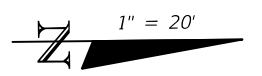
INDIAN RIVER COUNTY
PUBLIC WORKS

6TH AVENUE RESURFACING

ROADWAY PLAN (33)

SHEET NO.
41

VBH MIRACLE MILE LLC
33390100006001000001.0



0630 2 12	2 RUNS @ 119 LF
0633 1123	119 LF

AUDIOHOUSE INC
3339010005100000000.4

- LEGEND**
- LIMITS OF MILLING AND RESURFACING
 - DETECTABLE WARNING
 - 6" CONC. SIDEWALK
 - EXISTING MAILBOX M

REVISIONS

DATE	DESCRIPTION	DATE	DESCRIPTION

JOHN H. WILT, P.E.
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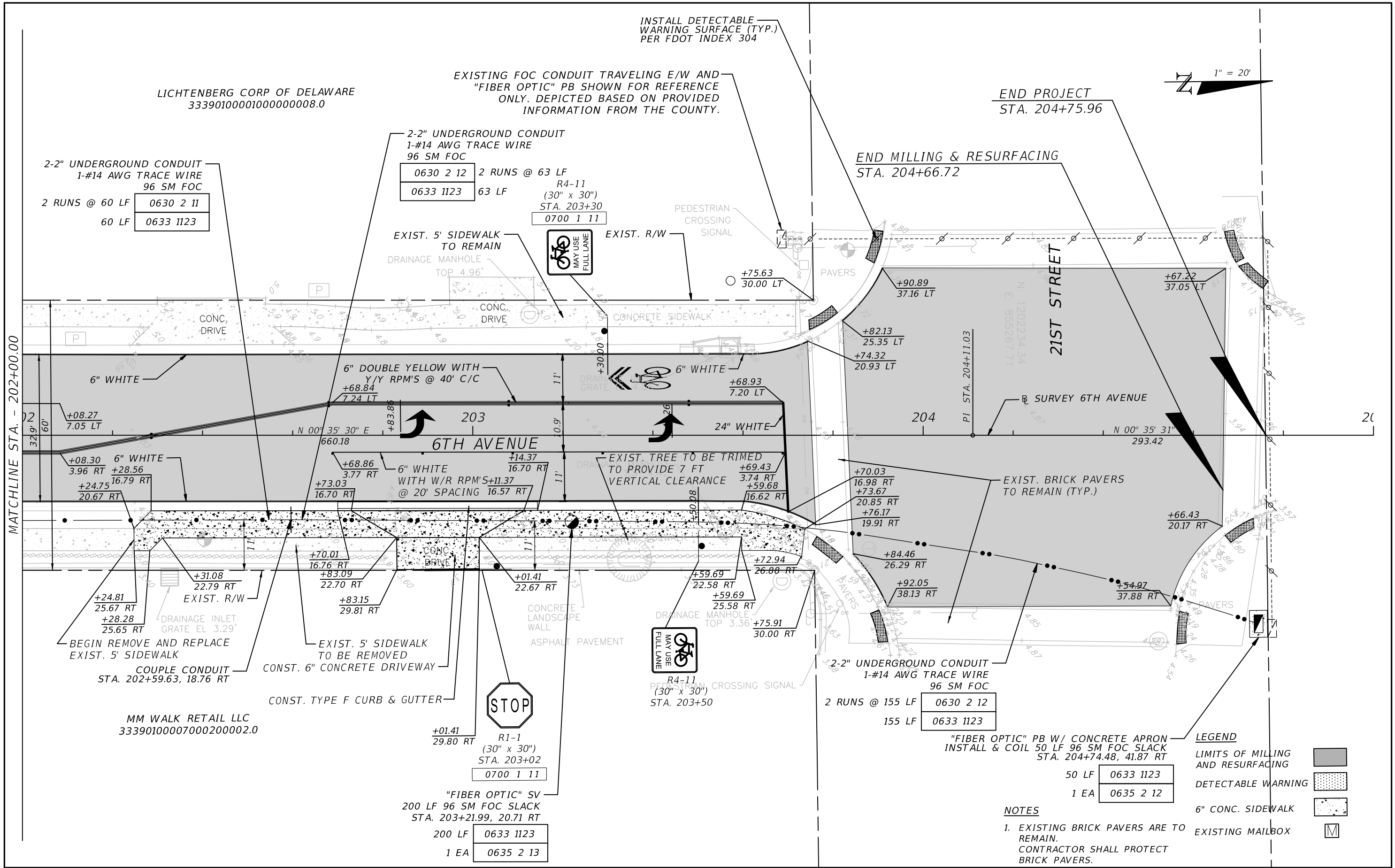
INDIAN RIVER COUNTY
PUBLIC WORKS

6TH AVENUE RESURFACING

ROADWAY PLAN (34)

SHEET NO.
42

- NOTES**
1. CONCRETE APRON INSTALLED TO BE FLUSH WITH ADJACENT SIDEWALK.
 2. EXISTING BRICK PAVERS ARE TO REMAIN. CONTRACTOR SHALL PROTECT BRICK PAVERS.

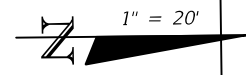


LICHTENBERG CORP OF DELAWARE
33390100001000000008.0

EXISTING FOC CONDUIT TRAVELING E/W AND
"FIBER OPTIC" PB SHOWN FOR REFERENCE
ONLY. DEPICTED BASED ON PROVIDED
INFORMATION FROM THE COUNTY.

END PROJECT
STA. 204+75.96

END MILLING & RESURFACING
STA. 204+66.72



MATCHLINE STA. - 202+00.00

MM WALK RETAIL LLC
33390100007000200002.0



LEGEND

[Hatched Box]	LIMITS OF MILLING AND RESURFACING
[Dotted Box]	DETECTABLE WARNING
[Stippled Box]	6" CONC. SIDEWALK
[Box with M]	EXISTING MAILBOX

- NOTES**
- EXISTING BRICK PAVERS ARE TO REMAIN. CONTRACTOR SHALL PROTECT BRICK PAVERS.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

JOHN H. WILT, P.E.
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INDIAN RIVER COUNTY
PUBLIC WORKS

6TH AVENUE RESURFACING

ROADWAY PLAN (35)

SHEET NO.
43

22
20
18
16
14
12
10
8

22
20
18
16
14
12
10

22
20
18
16
14
12
10

⊕ SURVEY 6TH AVE.

EXISTING R/W

EXISTING R/W

109+60.00

8.98

0.02

EXISTING R/W

EXISTING R/W

103+60.00

10.54

EXISTING R/W

102+70.00

10.91

0.02

1.6

⊕ SURVEY 6TH AVE.

1" = 20' Horizontal
1" = 10' Vertical

160 140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

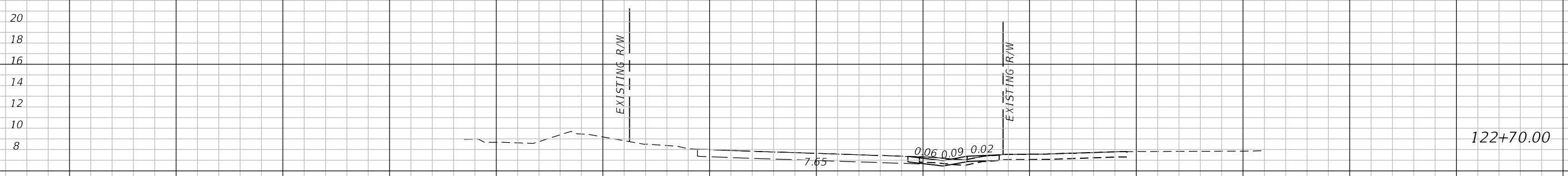
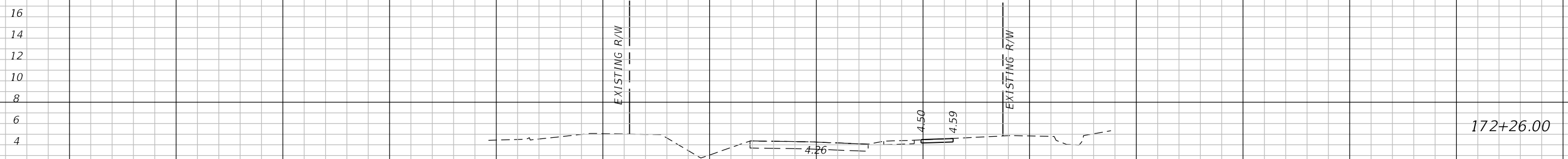
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INDIAN RIVER COUNTY
PUBLIC WORKS
6TH AVENUE RESURFACING

ROADWAY CROSS SECTIONS

SHEET NO.
44

⊕ SURVEY 6TH AVE.

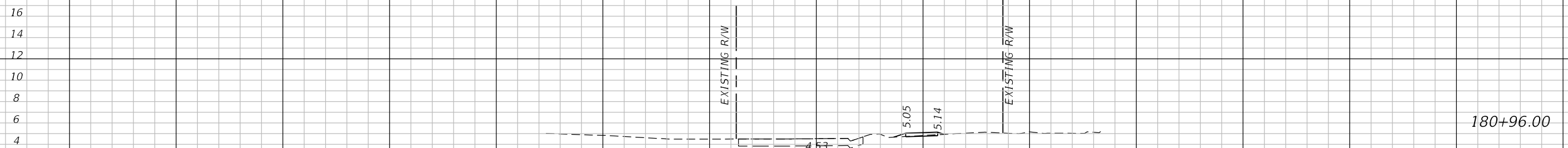
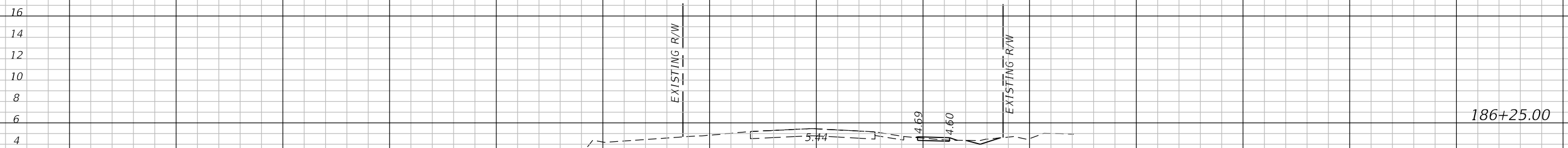
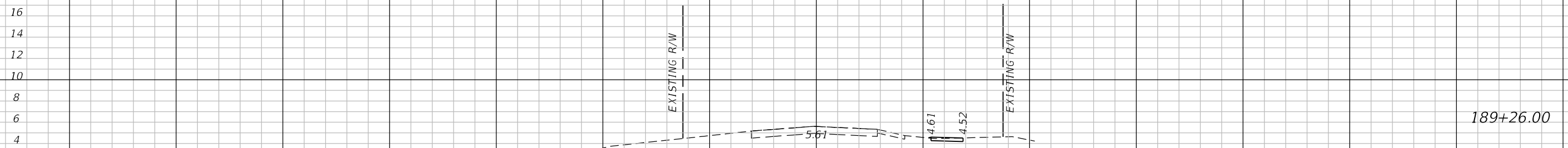


1" = 20' Horizontal
1" = 10' Vertical

⊕ SURVEY 6TH AVE.

<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>DATE</th> <th>DESCRIPTION</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				DATE	DESCRIPTION	DATE	DESCRIPTION					<p>JOHN H. WILT, P.E. P.E. LICENSE NUMBER 53233 ATKINS NORTH AMERICA, INC. 7175 MURRELL RD. MELBOURNE, FL 32940 CERTIFICATE OF AUTHORIZATION 24</p>		<p>INDIAN RIVER COUNTY PUBLIC WORKS</p>		<p>ROADWAY CROSS SECTIONS</p>		<p>SHEET NO.</p>
DATE	DESCRIPTION	DATE	DESCRIPTION															
				<p>6TH AVENUE RESURFACING</p>				<p>45</p>										

⊕ SURVEY 6TH AVE.



⊕ SURVEY 6TH AVE.

1" = 20' Horizontal
1" = 10' Vertical

160 140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS			
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INDIAN RIVER COUNTY
PUBLIC WORKS
6TH AVENUE RESURFACING

ROADWAY CROSS SECTIONS

SHEET NO.
46

18
16
14
12
10
8
6
4

18
16
14
12
10
8
6
4

18
16
14
12
10
8
6
4

Ⓟ SURVEY 6TH AVE.

202+90.00

199+40.00

199+00.00

Ⓟ SURVEY 6TH AVE.

1" = 20' Horizontal
1" = 10' Vertical

160 140 120 100 80 60 40 20 0 20 40 60 80 100 120

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

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INDIAN RIVER COUNTY
PUBLIC WORKS
6TH AVENUE RESURFACING

ROADWAY CROSS SECTIONS

SHEET NO.
47

THE FOLLOWING NARRATIVE OF THE STORMWATER POLLUTION PREVENTION PLAN CONTAINS REFERENCES TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE DESIGN STANDARDS, AND OTHER SHEETS OF PLANS (CALLED THE KEY SHEET) CONTAINS THESE CONSTRUCTION PLANS. AN INDEX TO THE OTHER SHEETS.THE COMPLETE STORMWATER POLLUTION PREVENTION PLAN INCLUDES SEVERAL ITEMS: THIS NARRATIVE DESCRIPTION, THE DOCUMENTS REFERENCED IN THIS NARRATIVE, THE CONTRACTOR'S APPROVED EROSION CONTROL PLAN REQUIRED BY SPECIFICATION SECTION 104, AND REPORTS OF INSPECTIONS MADE DURING CONSTRUCTION.

1.0 SITE DESCRIPTION:

1.A. NATURE OF CONSTRUCTION ACTIVITY:

THE PROJECT CONSISTS OF MILLING & RESURFACING THE EXISTING ASPHALT PAVEMENT, SIGNALIZATION IMPROVEMENTS, FILING IN SIDEWALK GAPS, AND UPGRADING PEDESTRIAN CROSSINGS TO CURRENT FDOT STANDARDS OF 6TH AVENUE MAINLINE. THE PROJECT EXTENDS FROM US HIGHWAY NO. 1 / SR 5 TO APPROXIMATELY 21ST STREET, A DISTANCE OF APPROXIMATELY 2.0 MILES.

1.B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A DETAILED SEQUENCE OF CONSTRUCTION FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL FOLLOW THE SEQUENCE OF MAJOR ACTIVITIES DESCRIBED BELOW, UNLESS THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE THAT IS EQUAL OR BETTER AT CONTROLLING EROSION AND TRAPPING SEDIMENT AND IS APPROVED BY THE ENGINEER.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

1. CLEARING AND GRUBBING EARTHWORK, AND DEOMOLITION OF EXISTING TO BE REMOVED.

2. CONSTRUCTION OF PROPOSED IMPROVEMENTS.

3. STABLIZE UNPAVED AREAS WITH SOD.

1.C. AREA ESTIMATES:

TOTAL SITE AREA: 17.26 ACRES
TOTAL AREA TO BE DISTURBED: 1.50 ACRES

1.D. RUNOFF DATA:

RUNOFF COEFFICIENTS:

BEFORE: 0.45
DURING: VARIES FROM 0.45 TO 0.62
AFTER: 0.62

SOILS DATA: THE SOILS CONSIST OF PRIMARILY URBAN SURFICIAL SOILS. IN GENERAL, THE SOILS ARE FINE SANDS.

OUTFALL INFORMATION:

DISTINCTIVE OUTFALLS WITHIN THE 6TH AVENUE ROW CORRIDOR DO NOT APPEAR EVIDENT. SECONDARY CONVEYANCES, SWALES, DRAINAGEWAYS, PIPING, DRAINAGE LATERALS TEND TO CONVEY RUNOFF OUTSIDE THE PROJECT LIMITS, TO THE INDIAN RIVER.

#1 DESCRIPTION: NOT USED

LOCATION: LATITUDE; LONGITUDE NOT USED.
EST. DRAINAGE AREA SIZE: 23 ACRES
RECEIVING WATER NAME: INDIAN RIVER

1.E. SITE MAP:

THE CONSTRUCTION PLANS ARE BEING USED AS THE SITE MAPS. THE LOCATION OF THE REQUIRED INFORMATION IS DESCRIBED BELOW. THE SHEET NUMBERS FOR THE PLAN SHEETS REFERENCED ARE IDENTIFIED ON THE KEY SHEET OF THESE CONSTRUCTION PLANS.

* DRAINAGE PATTERNS: THE SURVEY SHEETS TYPICALLY DEPICTS EXISTING PARALELL ROADSIDE SWALES LEADING TO CULVERTS OR INLETS THAT CONVEY DRAINAGE OUT OF THE 6TH AVENUE RIGHT-OF-WAY.

* APPROXIMATE SLOPES: THE SLOPES OF THE SITE CAN BE SEEN IN THE CROSS SECTION SHEETS.

* AREAS OF SOIL DISTURBANCE: THE AREAS TO BE DISTURBED ARE INDICATED ON THE PLAN SHEETS. AREAS WHERE PERMANENT FEATURES ARE SHOWN TO BE CONSTRUCTED ABOVE OR BELOW GROUND WILL BE DISTURBED. DISTURBANCES ARE INTENDED TO BE LIMITED TO THE 6TH AVENUE ROW LIMITS.

* AREAS NOT TO BE DISTURBED: BACK OF SWALE SLOPES AND BACK OF SIDEWALK DRAINAGE ARE GENERALLY INTENDED TO REMAIN UNDISTURBED.

* LOCATIONS OF TEMPORARY CONTROLS: TEMPORARY CONTROL MEASURES TO PREVENT SOIL/SEDIMENT TRANSPORT OUTSIDE THE ROW ARE IMPLICITLY INDICATED. THESE MEASURES INCLUDE SILT FENCING ADJACENT TO DISTURBED AREAS AND INLET PROTECTION AS PRIMARY CONTROLS

* LOCATIONS OF PERMANENT CONTROLS:

* PERMANENT STABILIZATION IS SHOWN ON THE TYPICAL SECTION SHEET(S), WHERE SOD RESTORATION IS TO BE INSTALLED.

* SURFACE WATERS: N/A

* DISCHARGE POINTS TO SURFACE WATERS: N/A

1.F. RECEIVING WATERS:

SEE ITEM 1.D. FOR THE OUTFALL LOCATIONS AND RECEIVING WATER NAMES. THERE ARE NO WETLAND AREAS IN THE MINOR SAFETY IMPROVEMENT PROJECT AREAS.

CONTRACTOR'S RESPONSIBILITIES

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN OFF. AN EROSION AND TURBIDITY PLAN HAS BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINTAIN THE CONTROLS PER PLAN AND SHALL BE CONSISTENT WITH THE PERFORMANCE STANDARD FOR EROSION AND SEDIMENT CONTROL AND STORM WATER TREATMENT AS SET FORTH IN RULE 62-40.432 F.A.C., THE APPLICABLE STORM WATER OR ERP REQUIREMENTS OF DEP OR APPROPRIATE WMD AND THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT.

THE CONTRACTOR SHALL BE REQUIRED TO RESPOND TO ALL WATER MANAGEMENT DISTRICT AND FDEP INQUIRIES, RELATIVE TO COMPLIANCE OF SJRWMD FOR EROSION AND SEDIMENTATION CONTROL AND FDEP WATER QUALITY STANDARDS. THE COST OF THIS COMPLIANCE SHALL BE PART OF THE CONTRACT.

THE CONTRACTOR MUST SUBMIT A NOTICE OF INTENT (NOI) (DEP FORM 62-621.300 (4)(b), INCLUDING APPLICABLE PERMIT PROCESSING FEES, TO COMPLY WITH THE FDEP NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PHASE II CONSTRUCTION PERMIT. THE CONTRACTOR SHALL FILE FOR COVERAGE PRIOR TO COMMENCEMENT OF CONSTRUCTION AND IN ACCORDANCE WITH PERMIT APPLICATION CRITERIA. THE NOI SHALL BE SUBMITTED TO THE FOLLOWING ADDRESS:

NPDES Stormwater Notices Center, MS# 2510

2600 Blair Stone Road

Tallahassee, Florida 32399-2400.

THE CONTRACTOR MUST ALSO DEVELOP AND IMPLEMENT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THAT COMPLIES WITH THE FDEP NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PHASE II CONSTRUCTION PERMIT. THE CONTRACTOR SHALL SUBMIT THE SWPPP PRIOR TO THE SUBMITTAL OF AN NOI. THE SWPPP CONTAINED WITHIN THESE CONSTRUCTION DOCUMENTS WAS DEVELOPED TO COMPLY WITH THE LOCAL REGULATION CRITERIA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL INFORMATION PROVIDED HEREIN MEETS OR EXCEEDS NPDES REQUIREMENTS & TO MAKE ADJUSTMENTS AS NEEDED.

2.0 CONTROLS:

IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS. IT IS ALSO THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROLS AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED, TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND TURBIDITY CONTROL REQUIREMENTS. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED TO MEET THE EROSION AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.

2.A. EROSION AND SEDIMENT CONTROLS:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STABILIZATION AND STRUCTURAL PRACTICES. THE CONTRACTOR MAY CHOSE TO ACCEPT THE FOLLOWING GUIDELINES OR MODIFY THEM IN THE SEDIMENT AND EROSION CONTROL PLAN, SUBJECT TO APPROVAL BY THE ENGINEER. AS WORK PROGRESSES, THE CONTRACTOR SHALL MODIFY THE PLAN TO ADAPT TO SEASONAL VARIATION, CHANGES IN CONSTRUCTION ACTIVITIES, AND THE NEED FOR BETTER PRACTICES.

FOR EACH CONSTRUCTION PHASE, INSTALL PERIMETER CONTROLS AFTER CLEARING AND GRUBBING NECESSARY FOR INSTALLATION OF CONTROLS BUT BEFORE BEGINNING OTHER WORK FOR THE CONSTRUCTION PHASE. REMOVE PERIMETER CONTROLS ONLY AFTER ALL UPSTREAM AREAS ARE STABILIZED.

REVISIONS				JOHN H. WILT, P.E. P.E. LICENSE NUMBER 53233 ATKINS NORTH AMERICA, INC. 7175 MURRELL RD. MELBOURNE, FL 32940 CERTIFICATE OF AUTHORIZATION 24	INDIAN RIVER COUNTY PUBLIC WORKS	STORMWATER POLLUTION PREVENTION PLAN	SHEET NO. 48
DATE	DESCRIPTION	DATE	DESCRIPTION				
					6TH AVENUE RESURFACING		

IN GENERAL HOWEVER, MAINTAIN THE EXISTING ROADSIDE SWALE FLOW PATTERNS AND SIDE DRAINAGE TO CULVERTS, INLETS, CONVEYANCES, DURING SHOULDER CONSTRUCTION, PAVED TURNOUT ENHANCEMENT, AND IN SITE AREAS OF SIGNALIZATION IMPROVEMENTS, THIS WILL INVOLVED THE CONTRACTOR ESTABLISHING FIELD GRADES BEFORE FINAL PAVING TO ENSURE SWALE FLOW PATTERNS ARE CONTINUOUS BEFORE AND BEYOND TURNOUT LOCATIONS.

2.A.1 STABILIZATION PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE STABILIZATION PRACTICES PROPOSED TO CONTROL EROSION. THE CONTRACTOR SHALL INITIATE ALL STABILIZATION MEASURES AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. THE STABILIZATION PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

TEMPORARY:

- * ARTIFICIAL COVERINGS IN ACCORDANCE WITH SPECIFICATION SECTION 104.
- * TURF AND SOD IN ACCORDANCE WITH SPECIFICATION SECTION 104.

***SYNTHETIC BALE BARRIER:** SYNTHETIC BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:

- A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
- B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.
- C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.
- D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF SYNTHETIC BALE BARRIERS CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY OF A WASHOUT. IF NECESSARY, MEASURES SHALL BE TAKEN TO PROPERLY ANCHOR BALES TO INSURE AGAINST WASHOUT.
- E. NATURAL HAY BALES ARE NOT PERMITTED TO BE USED.

REFER TO SYNTHETIC BALE BARRIER DETAIL FOR PROPER LOCATION, MATERIAL & USAGE.

***FILTER FABRIC BARRIER:** FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:

- A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
- B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES. REFER TO DETAILS ON STORMWATER POLLUTION PREVENTION PLAN DETAILS FOR PROPER CONSTRUCTION OF THE FILTER FABRIC BARRIER.

***LEVEL SPREADER:** A LEVEL SPREADER MAY BE USED WHERE SEDIMENT-FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL LIP IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE.

***EXPOSED AREA LIMITATION:** THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL NOT EXCEED 10 ACRES. THIS REQUIREMENT MAY BE WAIVED FOR LARGE PROJECTS WITH AN EROSION CONTROL PLAN WHICH DEMONSTRATES THAT OPENING OF ADDITIONAL AREAS WILL NOT SIGNIFICANTLY AFFECT OFF-SITE DEPOSIT OF SEDIMENTS.

***INLET PROTECTION:** INLETS AND CATCH BASINS WHICH DISCHARGE DIRECTLY OFF-SITE SHALL BE PROTECTED FROM SEDIMENT-LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE

SEDIMENT TO THE INLET.

***TEMPORARY SEEDING:** AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL GRASSING TREATMENT WITHIN 30 DAYS SHALL BE SEEDED WITH A QUICK GROWING GRASS SPECIES WHICH WILL PROVIDE AN EARLY COVER DURING THE SEASON IN WHICH IT IS PLANTED AND WILL NOT LATER COMPETE WITH THE PERMANENT GRASSING.

***TEMPORARY SEEDING AND MULCHING:** SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.

***TEMPORARY GRASSING:** THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. TEMPORARY GRASSING SHALL BE THE SAME MIX & AMOUNT REQUIRED FOR PERMANENT GRASSING IN THE CONTRACT SPECIFICATIONS.

***TEMPORARY REGRASSING:** IF, AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM OF 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER AT NO ADDITIONAL COST TO THE OWNER.

***MAINTENANCE:** ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.

PERMANENT:

- * ASPHALT OR CONCRETE SURFACE.
- * SOD IN ACCORDANCE WITH SPECIFICATION SECTION 570.

***PERMANENT EROSION CONTROL:** THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.

***PERMANENT SEEDING:** ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. SLOPES STEEPER THAN 4:1 SHALL BE SEEDED AND MULCHED OR SODDED.

*SOD SHALL BE PLACED IN AREAS WHICH MAY REQUIRE IMMEDIATE EROSION PROTECTION TO ENSURE WHATER QUALITY STANDARDS ARE MAINTAINED

2.A.2 STRUCTURAL PRACTICES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED STRUCTURAL PRACTICES TO CONTROL OR TRAP SEDIMENT AND OTHERWISE PREVENT THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SEDIMENT CONTROLS SHALL BE IN PLACE BEFORE DISTURBING SOIL UPSTREAM OF THE CONTROL. THE STRUCTURAL PRACTICES SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

TEMPORARY:

* SEDIMENT BARRIERS IN ACCORDANCE WITH STATE OF FLORIDA EROSION AND SEDIMENT CONTROL MANUAL, LATEST EDITION AND SPECIFICATION SECTION 104.

* INLET PROTECTION IN ACCORDANCE WITH STATE OF FLORIDA EROSION AND SEDIMENT CONTROL MANUAL, LATEST EDITION AND SPECIFICATION SECTION 104.

***OUTLET PROTECTION:** APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED

CHANNEL SECTIONS WHERE THE FLOW COULD CAUSE EROSION AND SEDIMENT PROBLEM TO THE RECEIVING WATER BODY. SILT FENCES AND SYNTHETIC BALES ARE TO BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE DISCHARGING STRUCTURE AS SHOWN ON THE OUTLET PROTECTION DETAIL.

***TEMPORARY DIVERSION DIKE:** TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY. OWN IN THE TTC PLAN. REFER TO THE EROSION PLAN DETAILS FOR GENERAL CONFORMANCE.

***TEMPORARY SEDIMENT TRAP:** A SEDIMENT TRAP SHALL BE INSTALLED IN A DRAINAGEWAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA. THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED EITHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION DIKE:

A. BLOCK & GRAVEL SEDIMENT FILTER - THIS PROTECTION IS APPLICABLE WHERE HEAVY FLOWS AND/OR WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.

B. GRAVEL SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJ ACENT STRUCTURES AND UNPROTECTED AREAS.

C. DROP INLET SEDIMENT TRAP - THIS PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (S < 5%) AND WHERE SHEET OR OVERLAND FLOWS (Q < 0.5 CFS) ARE TYPICAL. THIS METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS SUCH AS IN STREET OR HIGHWAY MEDIANS.

***SEDIMENT BASINS:** SEDIMENT BASINS WILL BE CONSTRUCTED AT THE COMMON DRAINAGE LOCATIONS THAT SERVE AN AREA WITH 10 OR MORE DISTURBED ACRES AT ONE TIME, THE PROPOSED STORM WATER PONDS (OR TEMPORARY PONDS) WILL BE CONSTRUCTED FOR USE AS SEDIMENT BASINS. THESE SEDIMENT BASINS MUST PROVIDE A MINIMUM OF 3,600 CUBIC FEET OF STORAGE PER ACRE DRAINED UNTIL FINAL STABILIZATION OF THE SITE. THE 3,600 CUBIC FEET OF STORAGE VOLUME PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. ANY TEMPORARY SEDIMENT BASINS CONSTRUCTED MUST BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL FILL. ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT TRAPS MUST BE REMOVED UPON FINAL STABILIZATION.

PERMANENT:

- * RESTORATION OF EXISTING SWALES.
- * SOD
- * DESILT INLETS & PIPING IN PROJECT LIMITS

2.B STORMWATER MANAGEMENT:

THE PROJECT SEEKS EXEMPTION REQUEST FROM THE ST. JOHN'S RIVER WATER MANAGEMENT DISTRICT (SJRWMD) AS A MINOR SAFETY WORKS PROJECT AND SHALL COMPLY WITH APPLICABLE STANDARDS.

2.C OTHER CONTROLS:

2.C.1 WASTE DISPOSAL:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS TO PREVENT THE DISCHARGE OF SOLID MATERIALS, INCLUDING BUILDING MATERIALS, TO WATERS OF THE UNITED STATES. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER:

* PROVIDING LITTER CONTROL AND COLLECTION WITHIN THE PROJECT DURING CONSTRUCTION ACTIVITIES.

* DISPOSING OF ALL FERTILIZER OR OTHER CHEMICAL CONTAINERS ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER.

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* DISPOSING OF SOLID MATERIALS INCLUDING BUILDING AND CONSTRUCTION MATERIALS OFF THE PROJECT SITE BUT NOT IN SURFACE WATERS, OR WETLANDS. EROSION AND SEDIMENT CONTROL BARRIERS SHALL BE PLACED ADJACENT TO ALL WETLAND AREAS WHERE THERE IS POTENTIAL FOR DOWNSTREAM WATER QUALITY DEGRADATION. SEE DETAIL SHEET FOR TYPICAL CONSTRUCTION.

2.C.2 OFF-SITE VEHICLE TRACKING & DUST CONTROL:

CONTROL OF WIND EROSION

WIND EROSION SHALL BE CONTROLLED BY EMPLOYING BMP'S WHICH SHALL INCLUDE THE FOLLOWING AND/OR OTHER METHODS AS A MINIMUM.

BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUGITIVE DUST. IT MAY BE NECESSARY TO LIMIT CONSTRUCTION VEHICLE SPEED IF BARE EARTH HAS NOT BEEN EFFECTIVELY WATERED. IN NO CASE SHALL FUGITIVE DUST BE ALLOWED TO LEAVE THE SITE UNDER CONSTRUCTION.

AS SOON AS PRACTICAL AFTER COMPLETION OF CONSTRUCTION, BARE EARTH AREAS SHALL BE VEGETATED.

AT ANY TIME BOTH DURING AND AFTER SITE CONSTRUCTION THAT WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF FUGITIVE DUST, OTHER METHODS AS ARE NECESSARY FOR SUCH CONTROL SHALL BE EMPLOYED. THESE METHODS MAY INCLUDE ERECTION OF DUST CONTROL FENCES. IF REQUIRED, DUST CONTROL FENCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAIL FOR A SILT FENCE SHOWN IN THESE PLANS EXCEPT THE MINIMUM HEIGHT SHALL BE 4 FEET.

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED METHODS FOR MINIMIZING OFFSITE VEHICLE TRACKING OF SEDIMENTS AND GENERATING DUST. THE PROPOSED METHODS SHALL INCLUDE AT LEAST THE FOLLOWING, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

* COVERING LOADED HAUL TRUCKS WITH TARPULINS.

* REMOVING EXCESS DIRT FROM ROADS DAILY.

* STABILIZING CONSTRUCTION ENTRANCES ACCORDING TO DESIGN STANDARD 106.

* USING ROADWAY SWEEPERS DURING DUST GENERATING ACTIVITIES SUCH AS EXCAVATION AND MILLING OPERATIONS.

2.C.3 STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC TANK REGULATIONS:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROPOSED PROCEDURES TO COMPLY WITH APPLICABLE STATE AND LOCAL REGULATIONS FOR WASTE DISPOSAL, AND SANITARY SEWER OR SEPTIC SYSTEMS.

2.C.4 FERTILIZERS AND PESTICIDES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL DESCRIBE THE PROCEDURES FOR APPLYING FERTILIZERS AND PESTICIDES. THE PROPOSED PROCEDURES SHALL COMPLY WITH APPLICABLE SUBSECTIONS OF SECTION 570 OF THE SPECIFICATIONS.

2.C.5 TOXIC SUBSTANCES:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A LIST OF TOXIC SUBSTANCES THAT ARE LIKELY TO BE USED ON THE JOB AND PROVIDE A PLAN ADDRESSING THE GENERATION, APPLICATION, MIGRATION, STORAGE, AND DISPOSAL OF THESE SUBSTANCES.

2.D.4 APPROVED STATE AND LOCAL PLANS AND PERMITS:

* FDEP RULE CHAPTER 62-330 F.A.C.

* SJRWMD RULE CHAPTER 62-330.051 F.A.C.

3.0 MAINTENANCE:

IN THE SEDIMENT AND EROSION CONTROL PLAN, THE CONTRACTOR SHALL PROVIDE A PLAN FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION. THE MAINTENANCE PLAN SHALL AT A MINIMUM, COMPLY WITH THE FOLLOWING:

* SILT FENCE: MAINTAIN PER SECTION 104. THE CONTRACTOR SHOULD ANTICIPATE REPLACING SILT FENCE ON 12 MONTH INTERVALS.

* SEDIMENT BARRIERS: REMOVE SEDIMENT AS PER MANUFACTURER'S RECOMMENDATIONS OR WHEN WATER PONDS IN UNACCEPTABLE AMOUNTS OR AREAS.

* GOOD HOUSEKEEPING: THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT:

-AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.

-ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.

-PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.

-SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.

-WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.

-MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.

- THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL.

DEWATERING & TEMPORARY IMPOUNDMENT NOTES:

1. ALL SILT FENCES SHALL BE IN PLACE PRIOR TO DEWATERING ACTIVITIES.

2. A TEMPORARY IMPOUNDMENT AREA SHALL BE CONSTRUCTED PER THE TEMPORARY IMPOUNDMENT BASIN DETAIL. THE IMPOUNDMENT AREA SHALL BE CONSTRUCTED PRIOR TO DEWATERING ACTIVITIES.

3. RECHARGE TRENCHES WILL BE MAINTAINED FULL OF WATER FOR DURATION OF THE DEWATERING ACTIVITIES.

4. DISCHARGE SHALL MEET STATE WATER QUALITY STANDARDS. CONTRACTOR SHALL USE ADDITIONAL MEASURES NECESSARY TO ENSURE WATER QUALITY STANDARDS ARE MET, SPECIFICALLY TURBIDITY.

5. DEWATERING SHALL BE DONE IN ONE PHASE AND SHALL CEASE DURING HEAVY RAINFALL EVENTS.

6. STORM WATER RUNOFF SHALL BE PREVENTED FROM ENTERING IMPOUNDMENT AREA BY BERMING AROUND THESE AREAS WITH A BERM MINIMUM OF 12" ABOVE EXISTING GRADE AND GRADING DRAINAGE AWAY FROM DEWATERING ACTIVITY AREAS.

TURBIDITY MONITORING AND SAMPLE PLAN -MONITORING REQUIRED:

DESCRIPTION: TURBIDITY EXPRESSES IN NEPHELO-METRIC TURBIDITY UNITS (NTU)

LOCATION: BACKGROUND - SAMPLES SHALL BE TAKEN 200 FT UPSTREAM OF ANY CONSTRUCTION ACTIVITY WITHIN SURFACE WATER OF THE STATE COMPLIANCE. SAMPLES SHALL BE TAKEN 200 FEET DOWNSTREAM.

FREQUENCY: TWICE DAILY, WITH AT LEAST A 4-HR INTERVAL DURING ALL WORK AUTHORIZED BY THIS PERMIT.

DURATION: MONITORING SHALL BEGIN ON THE FIRST DAY OF CONSTRUCTION FOR ALL ACTIVITIES RELATED TO THE PROPOSED ACTIVITIES THAT ARE CLASSIFIED AS SURFACE WATERS OF THE STATE. MONITORING SHALL CEASE WHEN ALL CONSTRUCTION ACTIVITIES RELATED TO THE PROPOSED ACTIVITIES ARE COMPLETED. THE MONITORING DATA MUST DEMONSTRATE THAT TURBIDITY 200 FT DOWNSTREAM OF ALL PROPOSED ACTIVITIES IS LESS THAN OR EQUAL TO 29 NTU'S ABOVE NATURAL BACKGROUND TURBIDITY 200 FT UPSTREAM OF EACH PROPOSED ACTIVITY FOR A PERIOD OF 7 CONSECUTIVE DAYS AFTER COMPLETION OF CONSTRUCTION.

ALL MONITORING DATA SHALL BE SUBMITTED WITHIN ONE WEEK OF ANALYSIS WITH DOCUMENTS CONTAINING THE FOLLOWING INFORMATION: (1) PERMIT AND APPLICATION NUMBER; (2) DATES OF SAMPLING AND ANALYSIS; (3) A STATEMENT DESCRIBING THE METHODS USED IN COLLECTION, HANDLING, STORAGE AND ANALYSIS OF THE SAMPLES; (4) A MAP INDICATING THE SAMPLING LOCATIONS AND (5) A STATEMENT BY THE INDIVIDUAL RESPONSIBLE FOR IMPLEMENTATION OF THE SAMPLING PROGRAM CONCERNING THE AUTHENTICITY, PRECISION, LIMITS OF DETECTION AND ACCURACY OF THE DATA. MONITORING REPORTS SHALL ALSO INCLUDE THE FOLLOWING INFORMATION FOR EACH SAMPLE THAT IS TAKEN:

(A) TIME AND DAY SAMPLES TAKEN;

(B) DEPTH OF WATER BODY;

(C) DEPTH OF SAMPLES;

(D) ANTECEDENT WEATHER CONDITIONS;

(E) WIND DIRECTION AND VELOCITY

IF MONITORING REVEALS VIOLATIONS OF THE STATE WATER QUALITY STANDARD FOR TURBIDITY, CONSTRUCTION SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL CORRECTIVE MEASURES HAVE BEEN TAKEN AND TURBIDITY HAS RETURNED TO ACCEPTABLE LEVELS. ANY SUCH OCCURRENCE SHALL ALSO BE IMMEDIATELY (WITHIN A 24 HOUR PERIOD) REPORTED TO THE LOCAL WATER MANAGEMENT DISTRICT.

4.0 INSPECTIONS:

QUALIFIED PERSONNEL SHALL INSPECT THE FOLLOWING ITEMS AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. TO COMPLY, THE CONTRACTOR SHALL INSTALL AND MAINTAIN RAIN GAUGES AND RECORD THE DAILY RAINFALL. WHERE SITES HAVE BEEN PERMANENTLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY MONTH. THE CONTRACTOR SHALL ALSO INSPECT THAT CONTROLS INSTALLED IN THE FIELD AGREE WITH THE LATEST STORMWATER POLLUTION PREVENTION PLAN.

* POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES.

* POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM DRAIN SYSTEMS.

* DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED.

* AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION.

* STRUCTURAL CONTROLS.

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* STORMWATER MANAGEMENT SYSTEMS.

* LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

THE CONTRACTOR SHALL INITIATE REPAIRS WITHIN 24 HOURS OF INSPECTIONS THAT INDICATE ITEMS ARE NOT IN GOOD WORKING ORDER.

IF INSPECTIONS INDICATE THAT THE INSTALLED STABILIZATION AND STRUCTURAL PRACTICES ARE NOT SUFFICIENT TO MINIMIZE EROSION, RETAIN SEDIMENT, AND PREVENT DISCHARGING POLLUTANTS, THE CONTRACTOR SHALL PROVIDE ADDITIONAL MEASURES, AS APPROVED BY THE ENGINEER.

5.0 NON-STORMWATER DISCHARGES:

IN THE SECTION 104 EROSION CONTROL PLAN, THE CONTRACTOR SHALL IDENTIFY ALL ANTICIPATED NON-STORMWATER DISCHARGES (EXCEPT FLOWS FROM FIRE FIGHTING ACTIVITIES). THE CONTRACTOR SHALL DESCRIBE THE PROPOSED MEASURES TO PREVENT POLLUTION OF THESE NON-STORMWATER DISCHARGES. IF THE CONTRACTOR ENCOUNTERS CONTAMINATED SOIL OR GROUNDWATER, CONTACT THE GOVERNING AUTHORITY, DISTRICT HAZARDOUS MATERIALS COORDINATOR.

6.0 CERTIFICATIONS

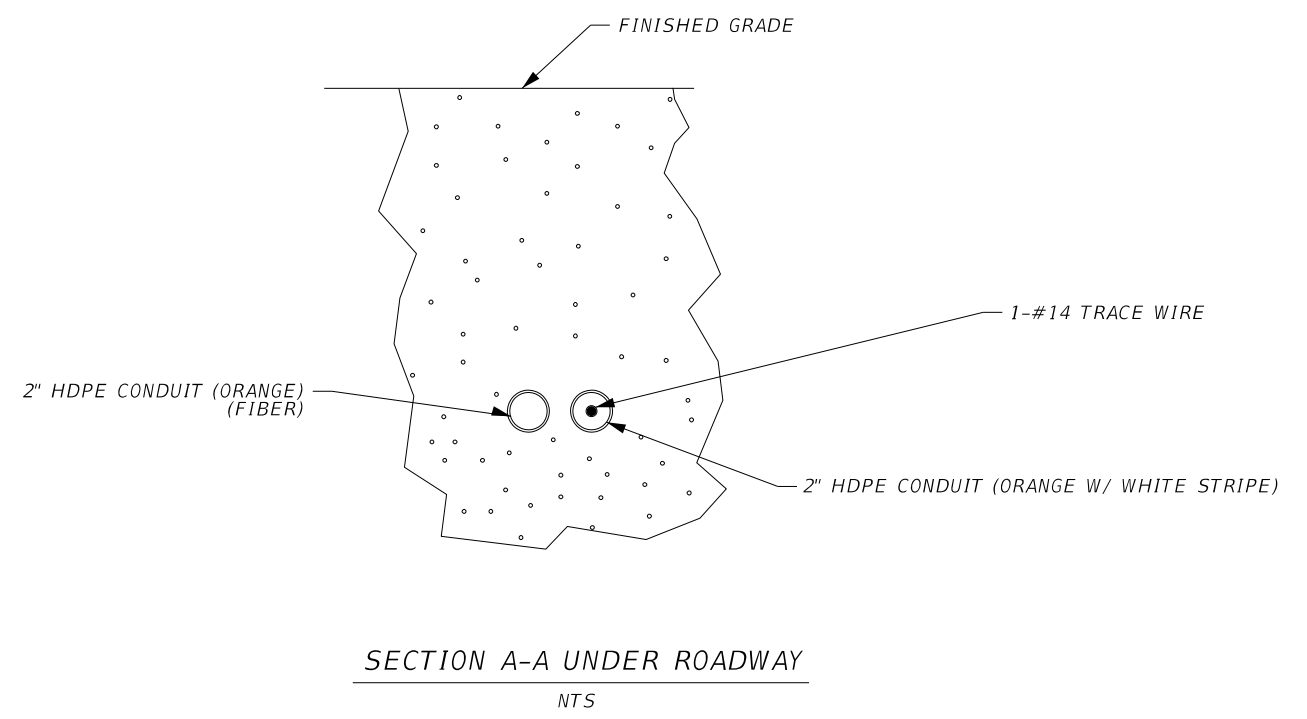
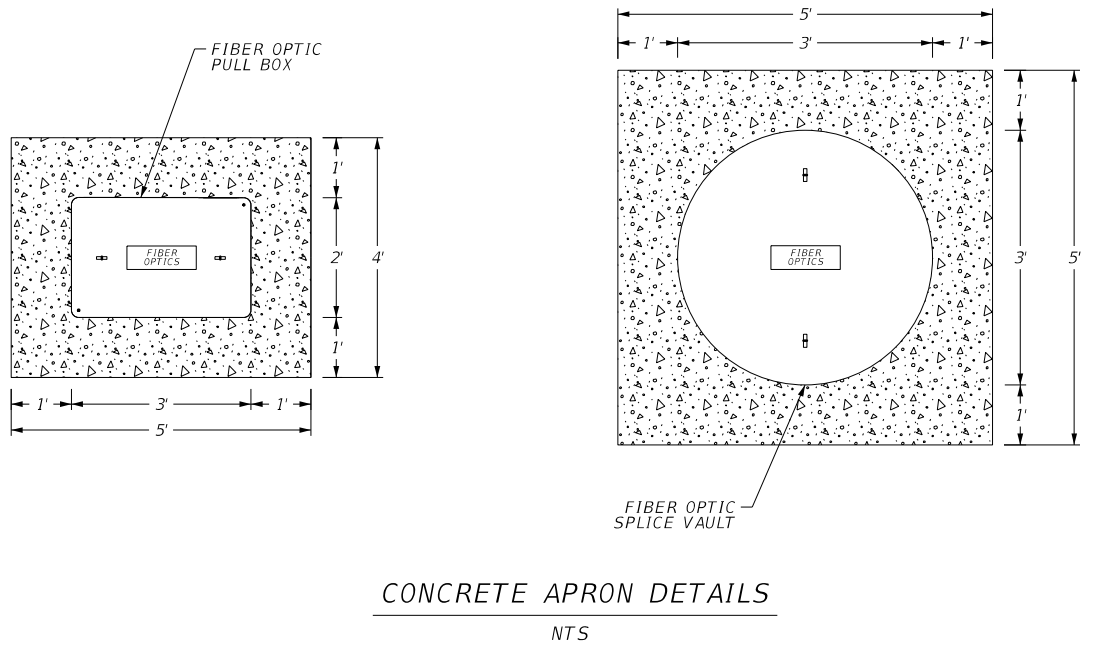
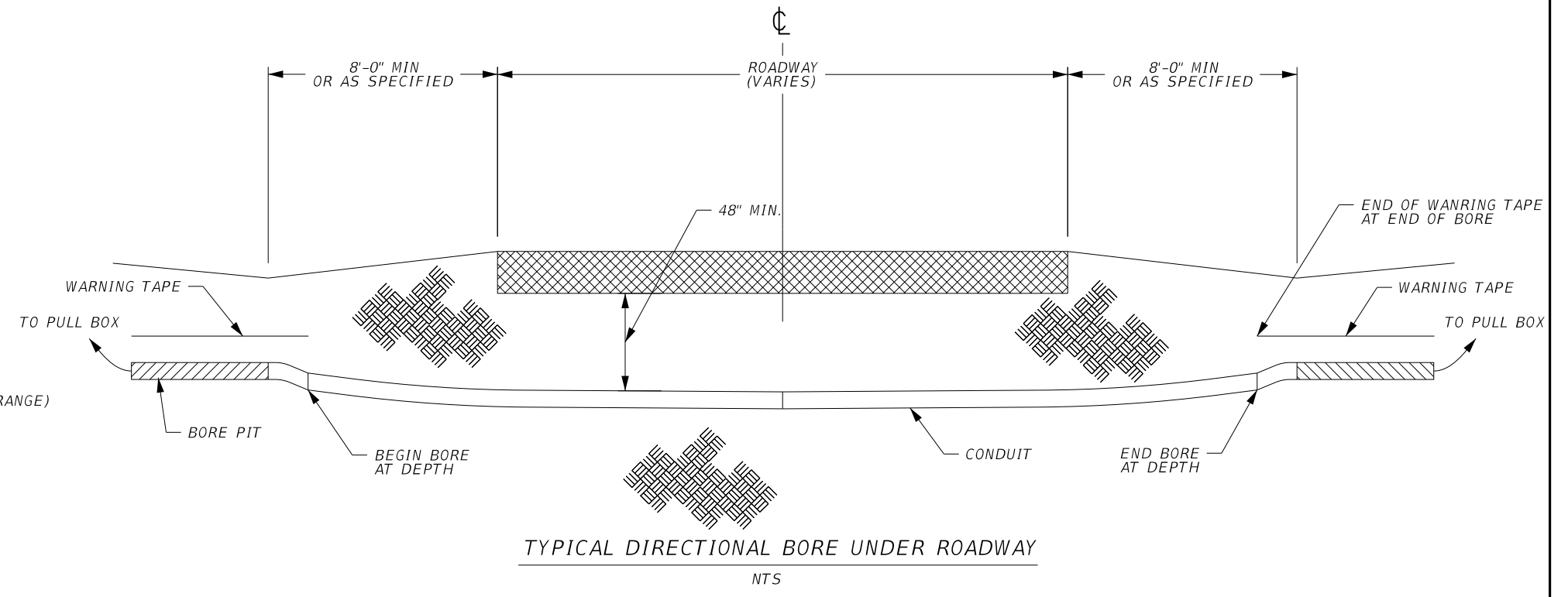
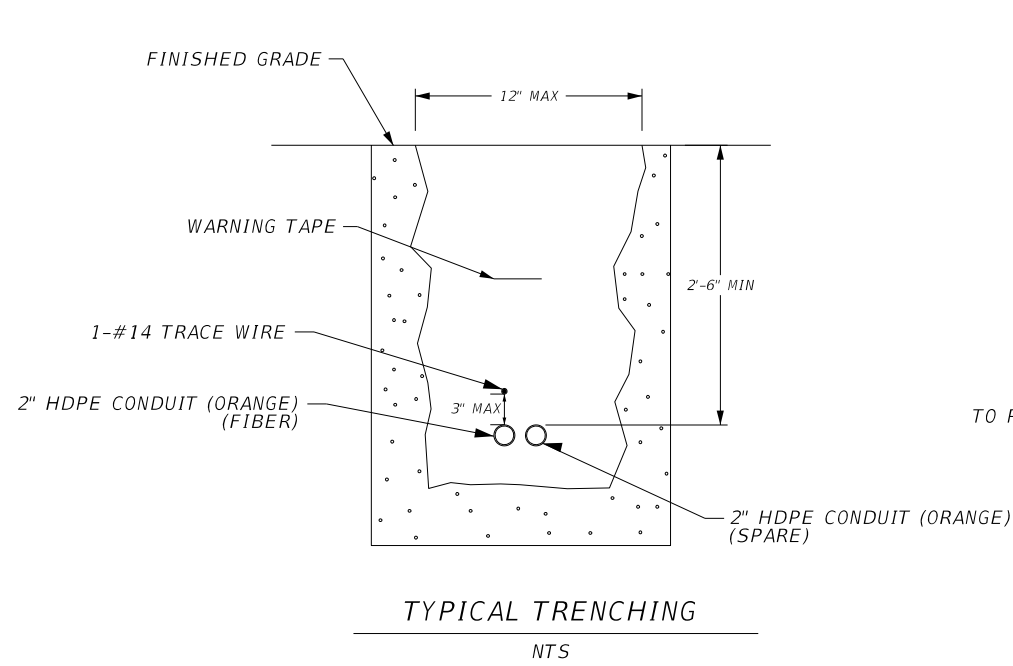
ALL CONTRACTORS AND SUBCONTRACTORS SHALL SIGN A COPY OF THE FOLLOWING CERTIFICATION STATEMENT BEFORE CONDUCTING ANY ACTIVITIES AT THE SITE. I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERAL PERMIT FOR STORM WATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORM WATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

POLLUTION PREVENTION PLAN CERTIFICATION I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. 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. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

DATED: _____

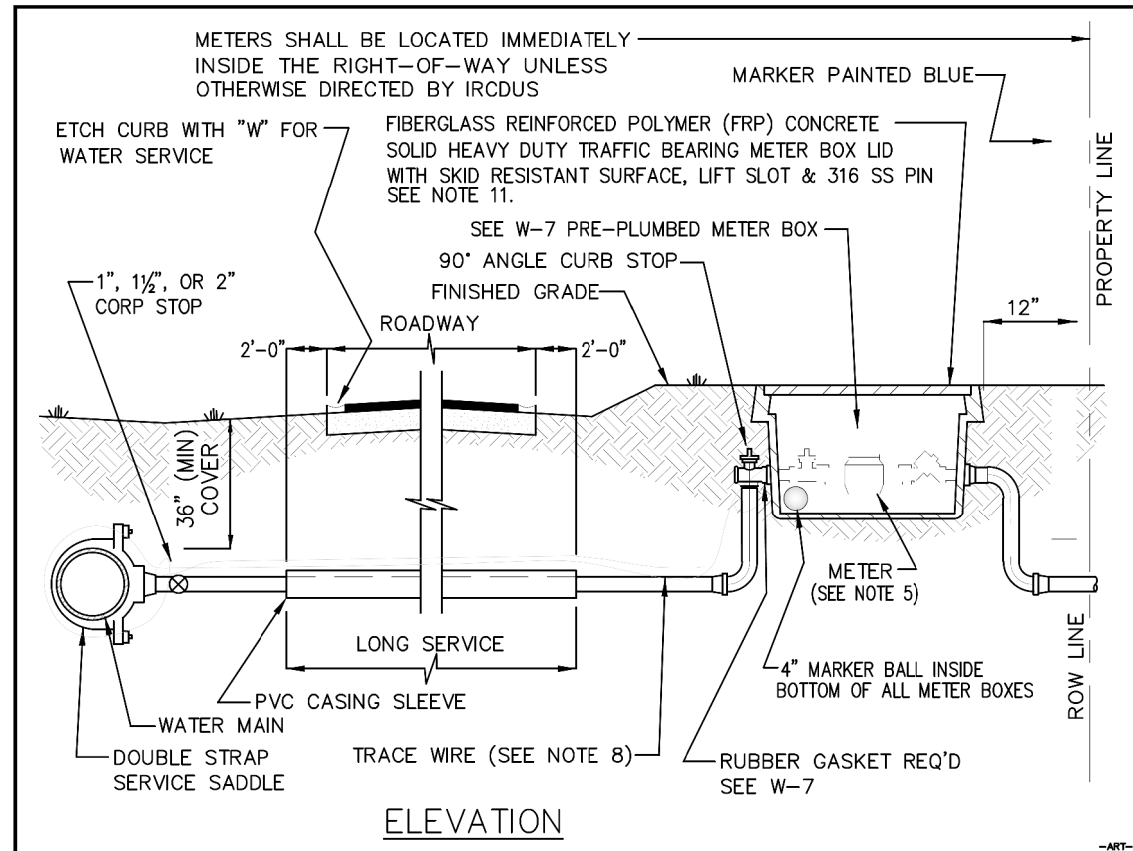
SIGNED: _____

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NOTES:
 1. CONDUIT INSTALLATION FOR UTILITY CLEARANCE TO BE PER INDEX 17721

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NOTES

- SUCCESSIVE TAPS INTO THE WATER MAIN SHALL BE A MINIMUM OF 18" ON CENTER.
- ALL SERVICES REQUIRE 36" MINIMUM COVER.
- MINIMUM SERVICE SIZE SHALL NOT BE LESS THAN 1"Ø, DUAL SERVICES SHALL BE A MINIMUM 1-1/2"Ø, TRIPLE SERVICES SHALL BE A MINIMUM 2"Ø AND QUADRUPLE SERVICES SHALL BE APPROVED BY IRCDUS.
- 1"Ø & 1-1/2"Ø LONG SERVICES REQUIRE A 2" MINIMUM I.D. SLEEVE. 2"Ø LONG SERVICES REQUIRE A 3" MINIMUM I.D. CASING SLEEVE. CASING SLEEVE SHALL BE SCHEDULE 40 P.V.C.
- ALL METERS 2"Ø OR SMALLER SHALL BE SUPPLIED AND INSTALLED BY IRCDUS. ALL METERS GREATER THAN 2"Ø SHALL BE SUPPLIED AND INSTALLED BY THE DEVELOPER/PROPERTY OWNER. REFER TO APPROVED MANUFACTURERS' PRODUCT LIST FOR METERS GREATER THAN 2"Ø.
- PIN LOCKS WITH PLASTIC DUST CAPS SHALL BE PURCHASED BY THE DEVELOPER AND/OR CONTRACTOR AND SHALL BE INSTALLED ON ALL LOCKING CURB STOPS INSIDE METER BOX, SAMPLING POINTS, AND WATER SERVICE CONNECTIONS AT THE TIME OF ACTIVATING ALL WATER MAINS OR AT SUCH TIME AS DIRECTED BY IRCDUS.
- CURB STOPS SHALL BE THE SAME SIZE AS THE METERS THAT ARE INSTALLED.
- TRACE WIRE TO BE INSTALLED AS PER DETAIL M-13.
- PLACE A 4" ELECTRONIC MARKER BALL INSIDE BOTTOM OF ALL METER BOXES.
- ALL RESIDENTIAL AND ONE ERU SERVICES SHALL BE 5/8" METERS.
- ALL METER BOXES TO BE PER IRCDUS APPROVED MANUFACTURERS' PRODUCT LIST.

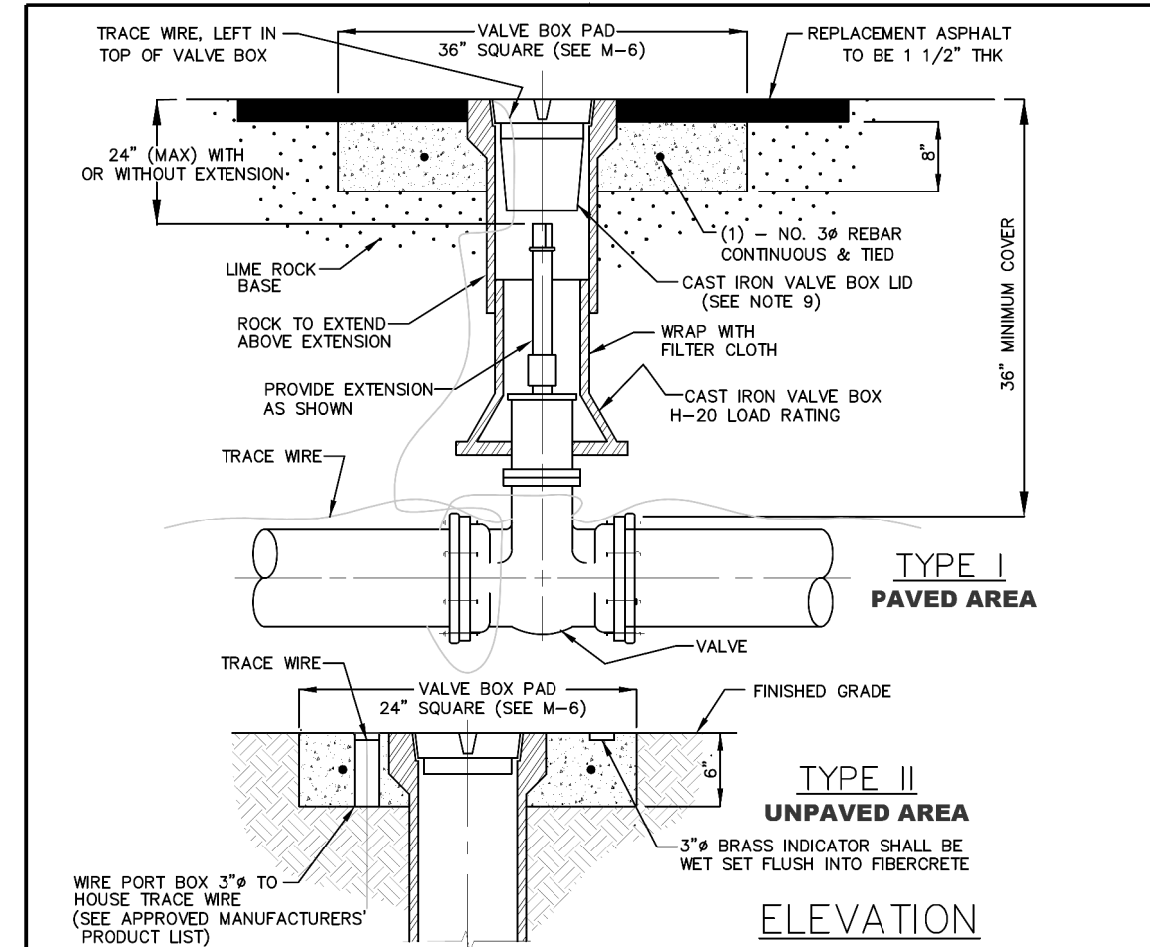
INDIAN RIVER COUNTY
DEPARTMENT OF
UTILITY SERVICES



WATER SERVICE
(INSIDE RIGHT-OF-WAY)

MARCH 2018

DRAWING
NO.
W-4



NOTES

- VALVE BOXES SHALL BE CONSTRUCTED PER MANUFACTURERS' SPECIFICATION.
- THE USE OF A PVC RISER IS NOT ACCEPTABLE.
- ALL VALVE BOXES SHALL BE SHAFT/SCREW TYPE OR SHAFT/SLIP TYPE AND CANNOT REST ON THE VALVE.
- ALL VALVE BOLTS SHALL BE STAINLESS STEEL WITH BRASS NUTS.
- PERMANENT LAND MARKERS ARE TO BE INSTALLED ADJACENT TO ALL VALVES IN UNPAVED AREAS AS DIRECTED BY IRCDUS. (SEE PERMANENT LAND MARKER DETAIL M-9)
- ALL VALVES REQUIRE STATE PLANE COORDINATES.
- TRACE WIRE IS REQUIRED. (SEE TRACE WIRE DETAIL M-13)
- REFLECTIVE MARKERS ARE TO BE LOCATED IN ROADWAY FOR ALL VALVES. (DETAIL W-1)
- REFLECTIVE MARKERS FOR:
FIRE HYDRANT - BLUE
WATER MAIN VALVE - WHITE
FORCE MAIN VALVE - GREEN
REUSE MAIN VALVE - PURPLE
BRINE - BROWN
- REFLECTIVE MARKERS SHALL NOT BE PLACED IN BIKE LANES.
- VALVE BOX LID LOCATED IN PAVEMENT SHALL BE A MINIMUM 24 LBS. WITH A MINIMUM 6" LONG THROAT.
- VALVE BOX SHALL COMPLY WITH FDOT STANDARDS AS APPLICABLE.
- VALVE EXTENSIONS OVER 36" REQUIRE IRCDUS ENGINEERING APPROVAL.
- VALVE SPACING ON WATER MAINS SHALL NOT EXCEED 1,000' MAXIMUM.

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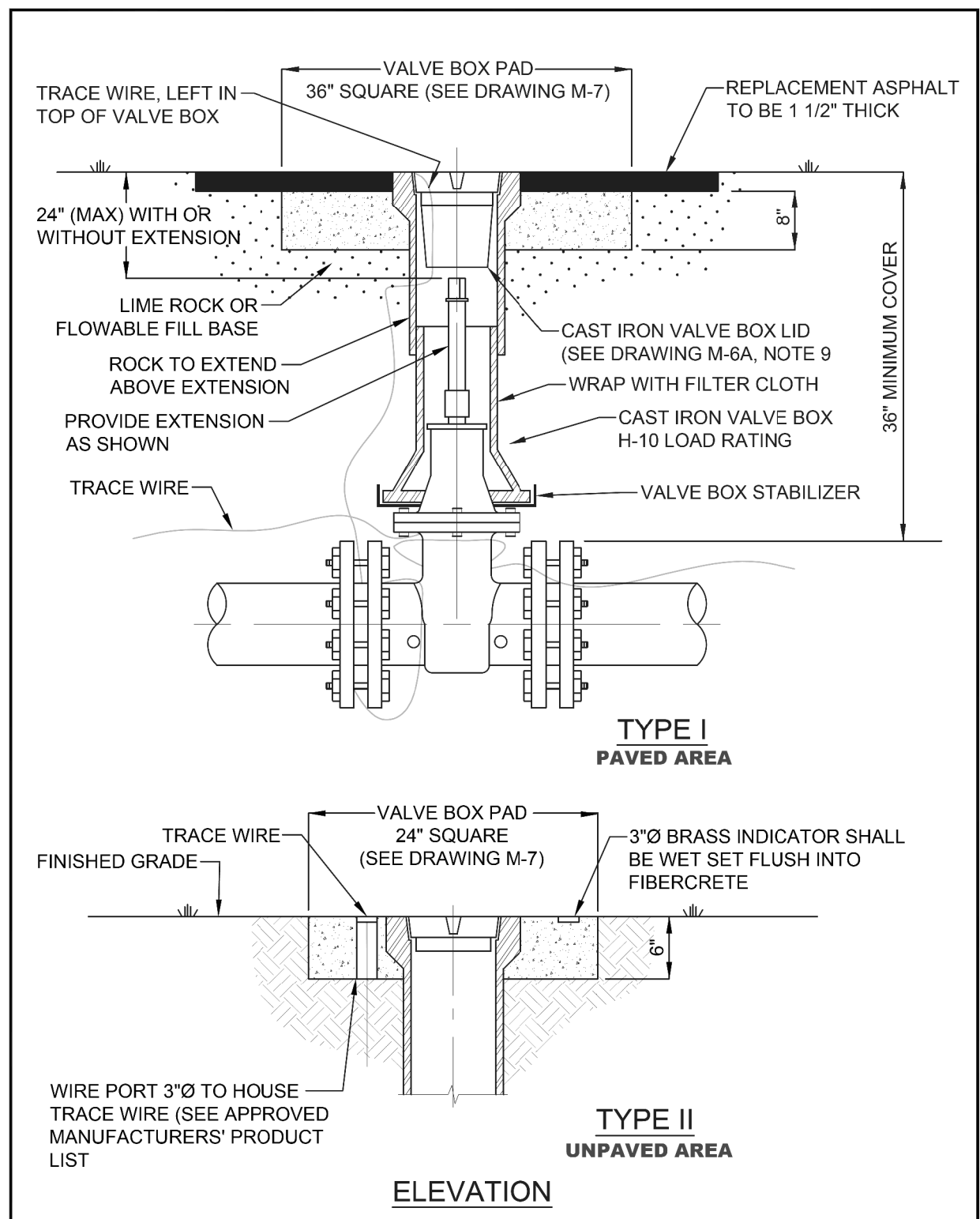


VALVE AND BOX

MARCH 2018

DRAWING
NO.
M-5

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DATE	DESCRIPTION	DATE	DESCRIPTION			
					INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES VALVE AND BOX MARCH 2018	SPECIAL DETAILS



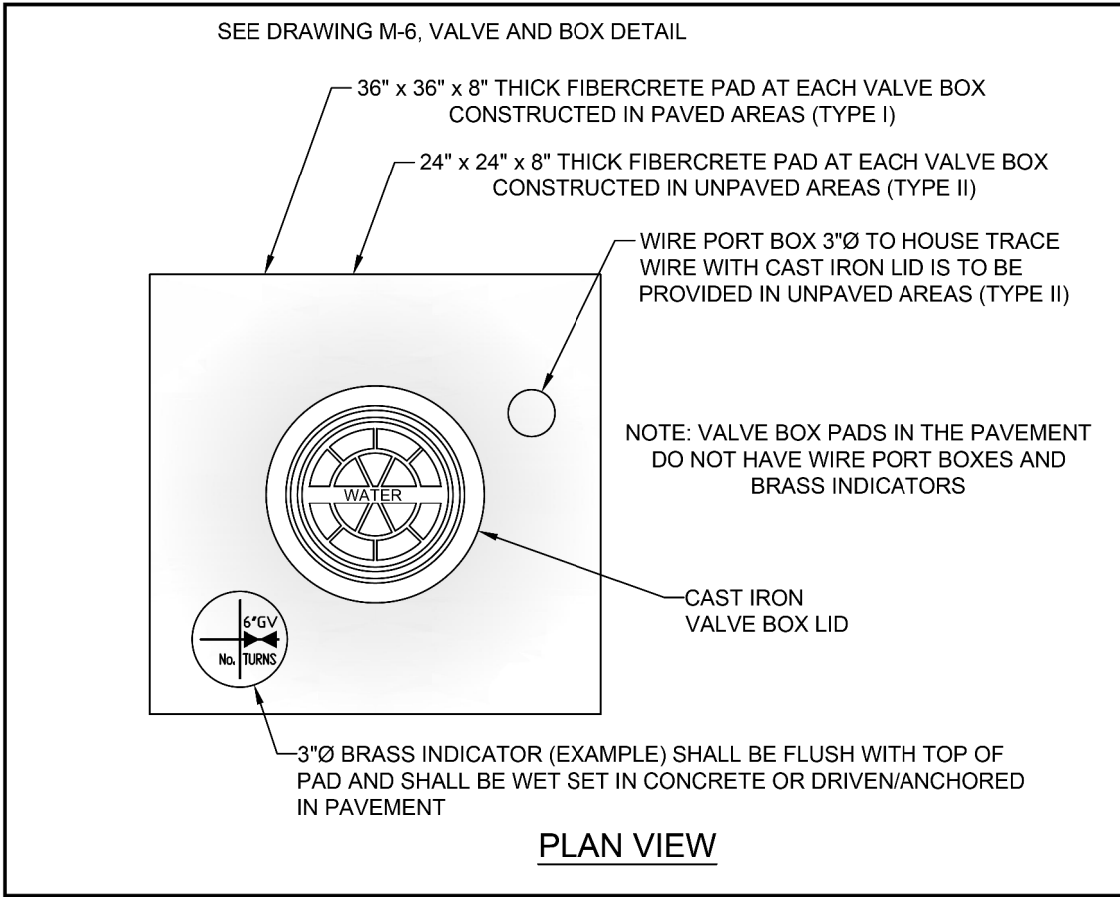
NOTES:

1. VALVE BOXES SHALL BE CONSTRUCTED PER MANUFACTURERS' SPECIFICATION.
2. ALL VALVE BOXES SHALL BE SHAFT/SCREW TYPE AND CANNOT REST ON THE VALVE.
3. ALL VALVE BOLTS SHALL BE STAINLESS STEEL WITH BRASS NUTS.
4. VALVE MARKERS ARE TO BE INSTALLED ADJACENT TO ALL VALVES IN UNPAVED AREAS AS DIRECTED BY IRC DUS. (SEE DRAWING, No. M-10, VALVE MARKER)
5. ALL VALVES REQUIRE STATE PLANE COORDINATES.
6. TRACE WIRE IS REQUIRED. (SEE DRAWING, No. M-14, TRACE WIRE DETAILS)
7. BLUE REFLECTIVE MARKERS (RPM'S) ARE TO BE LOCATED IN MID-LANE OF ROADWAY FOR ALL HYDRANT VALVES. (SEE DRAWING, No. W-1, FIRE HYDRANTS & VALVE LOCATIONS)
8. REFLECTIVE MARKERS SHALL NOT BE PLACED IN BIKE LANES.
9. VALVE BOX LID LOCATED IN PAVEMENT SHALL BE A MINIMUM 24 LBS. WITH A MINIMUM 6" LONG THROAT.
10. VALVE BOX SHALL COMPLY WITH FDOT STANDARDS AS APPLICABLE.
11. VALVE EXTENSIONS OVER 36" REQUIRE IRC DUS ENGINEERING APPROVAL.
12. VALVE SPACING ON WATER MAINS SHALL NOT EXCEED 1,000' MAXIMUM.

INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES	VALVE AND BOX DETAIL	DRAWING NO. M-6
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INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES	VALVE AND BOX DETAIL NOTES	DRAWING NO. M-6 A
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REVISIONS				JOHN H. WILT, P.E. P.E. LICENSE NUMBER 53233 ATKINS NORTH AMERICA, INC. 7175 MURRELL RD. MELBOURNE, FL 32940 CERTIFICATE OF AUTHORIZATION 24	INDIAN RIVER COUNTY PUBLIC WORKS	SPECIAL DETAILS	SHEET NO.
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NOTES:

1. VALVE BOX LIDS SHALL BE PAINTED:
 - BLUE - WATER
 - FIRE HYDRANTS - RED
 - FORCE MAINS - GREEN
 - REUSE MAINS - PURPLE
 - BRINE - BROWN
2. IN UNPAVED AREAS (SEE DRAWING, No. M-6, TYPE II) A BRASS VALVE INDICATOR IS TO BE PROVIDED. WITH ENGRAVED DIAGRAM OF VALVE LOCATION AND DESCRIPTION. (SEE EXAMPLE ABOVE) INDICATOR SHALL BE FLUSH WITH VALVE PAD.
3. VALVE BOX LID LOCATED IN PAVEMENT SHALL BE A CAST IRON, STAY-PUT COVER, MINIMUM 24 LBS. WITH A MINIMUM 6" LONG THROAT AND SHALL BE MARKED WITH RAISED LETTERS: "WATER", "SEWER", "BRINE", OR "REUSE WATER" AS APPLICABLE.
4. VALVE BOX SHALL COMPLY WITH FDOT STANDARDS AS APPLICABLE.
5. NO VALVE RINGS ARE TO BE USED.
6. IN TYPE I, PAVED AREAS, THE VALVE BOX PAD TOP ELEVATION SHALL BE EVEN WITH THE ROCK GRADE TO ALLOW BOTH LAYERS OF ASPHALT TO COVER THE VALVE BOX PAD WITH THE FINAL ASPHALT LAYER FLUSH WITH THE TOP OF THE VALVE BOX. (SEE DRAWING, No. M-6, VALVE AND BOX DETAIL)

INDIAN RIVER COUNTY DEPARTMENT OF UTILITY SERVICES	VALVE BOX PAD	DRAWING NO. M-7
MAY 2019		

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