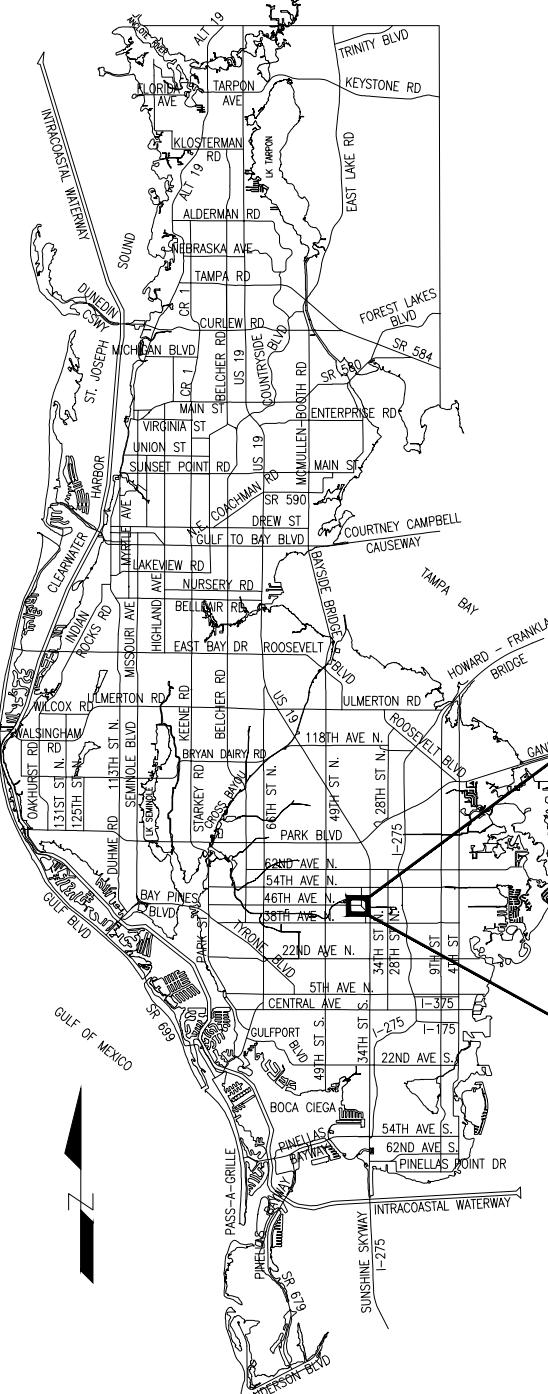




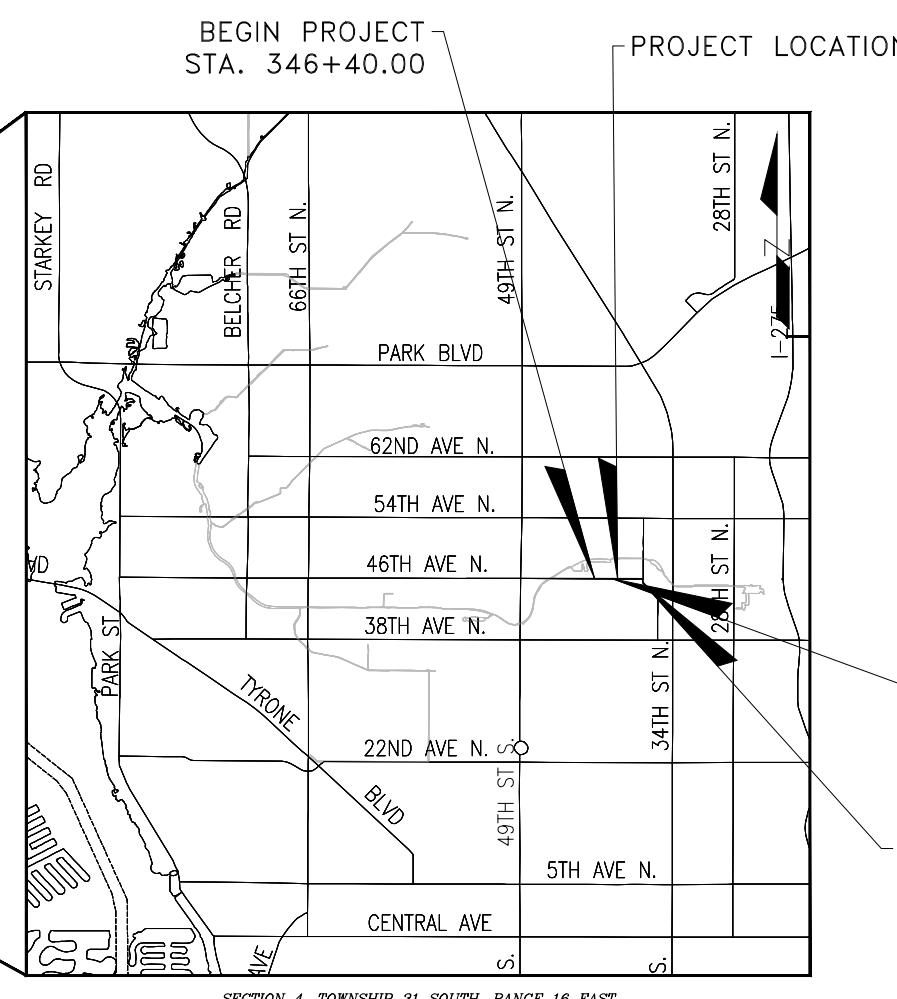
# 46TH AVENUE NORTH RAILROAD CROSSING IMPROVEMENTS

FROM LOWN STREET NORTH TO 35TH STREET NORTH

## PINELLAS COUNTY LOCATION MAP



**PID 004678A**



**KEY MAP**  
NOT TO SCALE

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**FINAL SUBMITTAL  
JANUARY 2024**

PROJECT MANAGER: ROBERT MEADOR  
(727)464-8731  
PINELLAS COUNTY  
14 SOUTH FORT HARRISON AVENUE  
CLEARWATER, FLORIDA 33756  
PHONE: (727)464-8935

PREPARED BY:  


HARDESTY & HANOVER, LLC  
5510 EISENHOWER BLVD, SUITE 310  
TAMPA, FLORIDA 33634  
PHONE: (813)749-0823

JASON W. DUNN, STATE OF FLORIDA,  
PROFESSIONAL ENGINEER, LICENSE NO. 65039

THIS ITEM HAS BEEN DIGITALLY SIGNED AND  
SEALED BY JASON W. DUNN ON THE DATE  
INDICATED HERE.

PRINTED COPIES OF THIS DOCUMENT ARE NOT  
CONSIDERED SIGNED AND SEALED AND THE  
SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC  
COPIES.

JASON W. DUNN, P.E. No. 65039  
ENGINEER OF RECORD

DATE

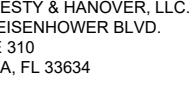
1. REMOVE ONLY TREES DESIGNATED FOR REMOVAL IN THE PLAN, OR AS DIRECTED BY THE ENGINEER. OBTAIN THE HABITAT MANAGEMENT PERMIT FROM PINELLAS COUNTY PUBLIC WORKS ENVIRONMENTAL SERVICES. TREE REMOVAL IS INCLUDED IN THE UNIT PRICE BID FOR CLEARING AND GRUBBING, UNLESS SEPARATE PAY ITEMS ARE PROVIDED.
2. ALL MATERIALS NOT CLAIMED BY THE COUNTY MUST BECOME THE PROPERTY OF THE CONTRACTOR, AND MUST BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY THE CONTRACTOR. THE COST FOR THIS WORK IS INCLUDED IN THE UNIT PRICE BID FOR CLEARING AND GRUBBING.
3. ALL STATIONS AND OFFSETS REFER TO CONSTRUCTION BASE LINE, UNLESS OTHERWISE NOTED.
4. ALL EXISTING PIPES THAT ARE TO REMAIN IN SERVICE WITHIN THE RIGHT-OF-WAY CORRIDOR ARE TO REMAIN IN PLACE UNLESS OTHERWISE NOTED IN THE PLANS.
5. STORM DRAIN INLET AND MANHOLE STATION LOCATIONS REFERENCE THE CENTER OF THE SPECIFIED STRUCTURE BOTTOM.
6. ALL DISTURBED AREAS, INCLUDING AREAS OUTSIDE THE CONSTRUCTION LIMITS, MUST BE RETURNED TO THEIR PRE-CONSTRUCTION CONDITION AT NO ADDITIONAL EXPENSE TO THE COUNTY. SEEDING MUST NOT BE USED AS FINAL GROUND COVER EXCEPT WHERE SPECIFICALLY SHOWN IN THE PLANS OR DIRECTED BY THE ENGINEER.
7. SHEETING, SHORING, AND BRACING MUST BE PROVIDED TO PROTECT ADJACENT STRUCTURES AND UTILITIES, OR TO MINIMIZE TRENCH WIDTH. THE COST OF ALL SHEETING, SHORING, AND BRACING REQUIRED IS INCLUDED IN THE UNIT PRICE BID FOR THE ITEM OF WORK FOR WHICH SHEETING, SHORING, AND BRACING IS REQUIRED, UNLESS OTHERWISE PROVIDED FOR SEPARATELY IN THE BID SUBMITTAL SHEETS.
8. THE ENGINEER MUST RECEIVE PERMISSION FROM THE PROPERTY OWNER THROUGH A RIGHT OF ENTRY AGREEMENT AND\OR A SIDEWALK, UTILITY, OR DRAINAGE EASEMENT PRIOR TO ANY GRADING OR CONSTRUCTION BEYOND THE RIGHT-OF-WAY..
9. ANY AND ALL EXISTING CONDITIONS MUST BE FIELD VERIFIED PRIOR TO COMMENCING CONSTRUCTION. THE ENGINEER MUST BE PROMPTLY NOTIFIED OF ANY DISCREPANCIES.
10. THE LOCATION(S) OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON LIMITED INVESTIGATION TECHNIQUES AND SHOULD BE CONSIDERED APPROXIMATE ONLY. THE VERIFIED LOCATIONS/ELEVATIONS APPLY ONLY AT THE POINTS SHOWN. INTERPOLATIONS BETWEEN THESE POINTS HAVE NOT BEEN VERIFIED.
11. SURFACING MUST NOT BE APPLIED TO ANY MANHOLE COVERS, FRAMES, VALVE BOXES, GAS DROPS, ETC.
12. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS MUST REMAIN UNLESS OTHERWISE NOTED IN THE PLANS, OR AS DIRECTED BY THE ENGINEER. PROPOSED SIGN LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND MAY REQUIRE FIELD ADJUSTMENT, AS DIRECTED BY THE ENGINEER.
13. BLUE, BI-DIRECTIONAL RPMS MUST BE INSTALLED ADJACENT TO ALL FIRE HYDRANTS, PLACED PER FDOT TRAFFIC ENGINEERING MANUAL, SECTION 4.3 – USE OF BLUE RAISED PAVEMENT MARKERS TO IDENTIFY FIRE HYDRANTS.
14. ABOVE GROUND AND/OR UNDERGROUND UTILITIES MAY BE IN THE AREA OF THIS PROJECT – PROCEED WITH CAUTION – CALL "SUNSHINE 811" IN ADVANCE OF BEGINNING WORK, IN ACCORDANCE WITH CHAPTER 556, FLORIDA STATUTES, UNDERGROUND FACILITY DAMAGE PREVENTION & SAFETY ACT. ALL UTILITY OWNERS MAY NOT BE A MEMBER, REQUIRING

DIRECT CONTACT. FURTHER COORDINATION WITH UTILITY OWNERS MAY BE NECESSARY TO RESOLVE CONFLICTS THAT MAY ARISE IN THE FIELD DURING CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY UTILITIES DAMAGED AS A RESULT OF FAILURE TO CALL "SUNSHINE 811" AND THE UTILITY OWNERS.

15. THE RESPONSIBLE UTILITY OWNER MUST BE NOTIFIED FOR RELOCATION OF METER BOXES FOR POTABLE AND NON-POTABLE WATER SERVICE.
16. ELEVATIONS SHOWN ON THE PLANS ARE BASED ON THE FLORIDA STATE PLANE COORDINATION SYSTEM (WEST ZONE) NAD83/2011 HORIZONTAL DATUM AND NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
17. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL OF ANY KIND ON CSXT RIGHT-OF-WAY (ROW) OR WHERE THEY MAY HAVE THE POTENTIAL TO INTERFERE WITH CSXT OPERATIONS UNLESS CONTRACTOR HAS RECEIVED PRIOR TO WRITTEN AUTHORIZATION BY CSXT REPRESENTATIVE.
18. COORDINATE ALL RAILROAD ACTIVITIES THROUGH PINELLAS COUNTY PUBLIC WORKS, ROBERT MEADOR, AT 727-464-8731 (RMEADOR@PINELLAS.GOV).
19. BASED ON THE PROJECT SCOPE, CSXT WILL DETERMINE THE LEVEL OF TRACK/ROW PROTECTION REQUIRED. HOWEVER, NO WORK ON OR WITH IMPACTS TO CSXT ROW IS PERMITTED WITHOUT SAID TRACK/ROW PROTECTION.
20. UNDER NO CONDITIONS SHALL WORK AFFECT THE SAFE PASSAGE OF TRAINS OR OTHER ON TRACK EQUIPMENT.
21. CONTRACTOR AND ALL SUBCONTRACTORS (IF APPLICABLE) SHALL PROCURE AND MAINTAIN RAILROAD PROTECTIVE LIABILITY INSURANCE AND COVERAGE OF INSURANCE BEFORE ACCESSING CSXT RIGHT-OF-WAY (ROW).
22. CONTRACTOR SHALL REFER TO THE CSXT PUBLIC PROJECTS MANUAL, MOST RECENT EDITION, FOR CONSTRUCTION REQUIREMENTS WHILE WITHIN THE CSXT RIGHT-OF-WAY (ROW).
23. CONTRACTOR MUST HAVE AN EMERGENCY ACTION AND HURRICANE PREPAREDNESS PLAN AND MEANS AND METHODS, WHICH SHOULD BE SITE SPECIFIC AND MUST INCLUDE COORDINATION WITH CSXT AND CSXT REPRESENTATIVE, WHILE WORKING WITHIN THE CSXT ROW LIMITS. THESE PLANS MUST BE PROVIDED TO CSXT FOR REVIEW AND ACCEPTANCE PRIOR TO WORK COMMENCING WHICH MAY IMPACT CSXT RIGHT-OF-WAY (ROW) OR FACILITIES.
24. AGENCY AND CONTRACTOR ARE NOT PERMITTED TO CROSS CSXT'S PROPERTY OR TRACKS, EXCEPT ON EXISTING PUBLIC ROAD CROSSINGS, WITH VEHICLES, MEN, OR EQUIPMENT OF ANY KIND WITHOUT PRIOR AUTHORIZATION FROM CSXT OR AUTHORIZED REPRESENTATIVE.
25. IF ANY ISSUE OR INCIDENT OCCURS WITHIN CSXT RIGHT-OF-WAY (ROW), CONTRACTOR MUST CONTACT THE CSXT PUBLIC SAFETY COORDINATION CENTER AT 800-232-0144 AND NOTIFY CSXT REPRESENTATIVE.
26. "ONE CALL" SERVICES DO NOT LOCATE BURIED RAILROAD SIGNAL AND COMMUNICATIONS LINES. THE CONTRACTOR SHALL CONTACT THE RAILROAD'S REPRESENTATIVE TWO (2) WEEKS IN ADVANCE OF THOSE PLACES WHERE EXCAVATION, PILE DRIVING, OR HEAVY LOADS MAY DAMAGE RAILROAD UNDERGROUND LINES ON RAILROAD PROPERTY. UPON REQUEST FROM CONTRACTOR OR AGENCY, RAILROAD SIGNAL FORCES WILL LOCATE AND PAINT MARK OR FLAG RAILROAD UNDERGROUND SIGNAL, COMMUNICATION, AND POWER LINES IN THE AREA TO BE DISTURBED FOR THE CONTRACTOR. AVOID EXCAVATION OR OTHER DISTURBANCE OF THESE LINES WHICH ARE CRITICAL TO CONTRACTOR. THE SAFETY OF THE RAILROAD AND THE PUBLIC. IF DISTURBANCE OR EXCAVATION IS REQUIRED NEAR A BURIED RAILROAD SIGNAL, COMMUNICATION, OR POWER LINE, THE LINE SHALL BE POTHoled MANUALLY WITH CAREFUL HAND EXCAVATION BY THE CONTRACTOR AND PROTECTED BY THE CONTRACTOR DURING THE COURSE OF THE DISTURBANCE UNDER THE SUPERVISION AND DIRECTION OF A RAILROAD SIGNAL REPRESENTATIVE
27. ALL SOILS EXCAVATED WITHIN CSXT'S RAILROAD RIGHT-OF-WAY (ROW) SHALL REMAIN ON CSXT'S ROW. TESTING OF SOILS ON CSXT ROW IS PROHIBITED WITHOUT PRIOR WRITTEN CSXT AUTHORIZATION. ANY SOILS EXCAVATED ON CSXT ROW CAN BE REUSED ON THE ROW PROVIDED

PLACING SOILS ALONG CSXT ROW POSES NO ADVERSE IMPACTS TO THE EXISTING TERRAIN, DRAINAGE OR ENVIRONMENT. SHOULD SOIL NEED TO BE REMOVED FROM CSXT ROW, THE CSXT ENVIRONMENTAL DEPARTMENT WILL SAMPLE THE SOIL FOR DISPOSITION. SOIL STAGED ON CSXT MUST FOLLOW CSXT PROTOCOL AND BE PROPERLY STORED AND/OR PROTECTED FROM THE ELEMENTS AND POTENTIAL EXPOSURE.

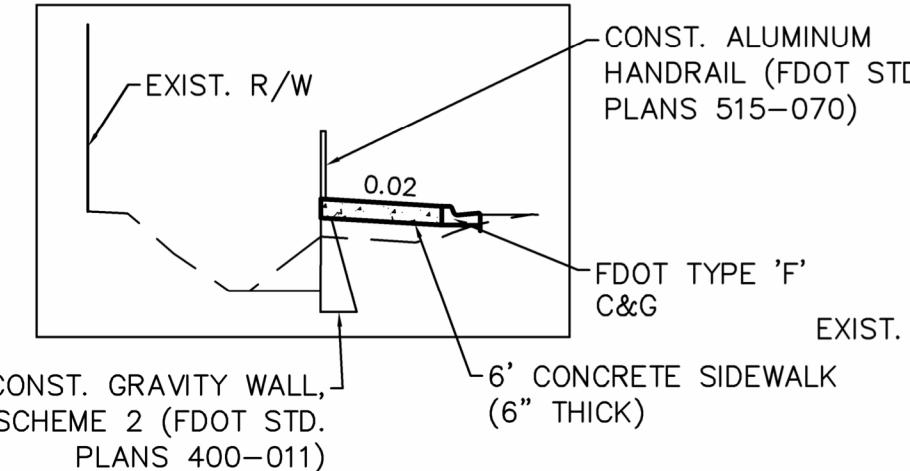
28. PROVIDE THE DEPARTMENT WITH A 45 DAY ADVANCE NOTICE OF BEGINNING WORK WITHIN THE RAILROAD RIGHT-OF-WAY (ROW) TO ALLOW FOR THE SCHEDULING OF TRACK/ROW PROTECTION. FAILURE BY THE CONTRACTOR TO MEET THE REQUIREMENTS OF THIS NOTE CONSTITUTES A FULL, COMPLETE ABSOLUTE AND IRREVOCABLE WAIVER BY THE CONTRACTOR OF ANY RIGHT TO CLAIM FOR ADDITIONAL COMPENSATION OR A TIME EXTENSION RELATED TO WORK WITHIN THE RAILROAD RIGHT OF WAY.

				DESIGNED JWD	DRAWN LKB	CHECKED JWJ		PROJECT: 46TH AVENUE EAST RAILROAD	DESCRIPTION: GENERAL NOTES		DATE: NOV 2023	
REV. NO.	DATE	DESCRIPTION	REV. BY								PROJECT NO. 004678A	SHEET: 2 OF 26

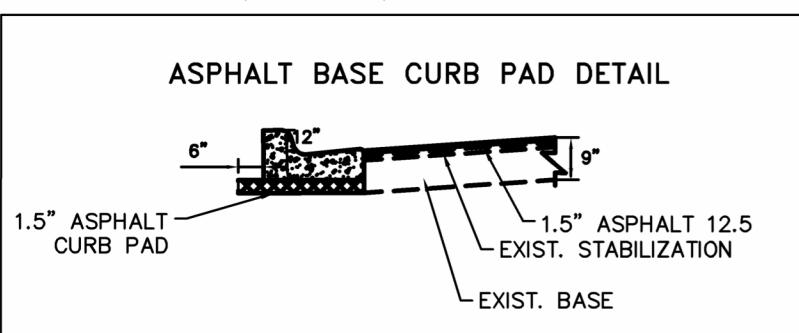
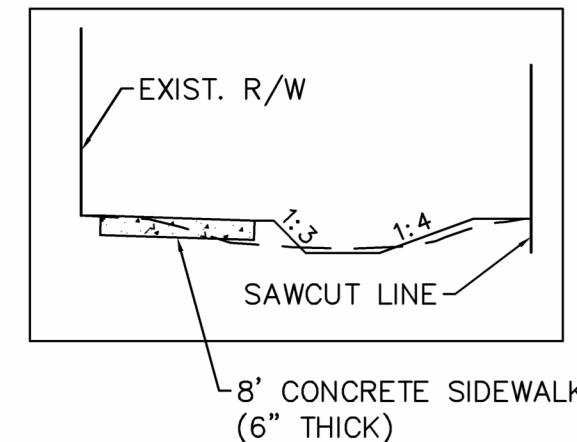


DESIGNED	JWD	PROJECT:	46TH AVENUE EAST RAILROAD		DESCRIPTION:	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634	DATE:	NOV 2023
DRAWN	LKB	PROJECT NO.	004678A		ENGINEER OF RECORD	JASON W. DUNN, P.E. FLA. LIC. NO 65039	PROJECT NO.	004678A
CHECKED	JWJ	SHEET:	3 OF 26		REV. NO.	DATE	DESCRIPTION	REV. BY
			Pinellas County PUBLIC WORKS					

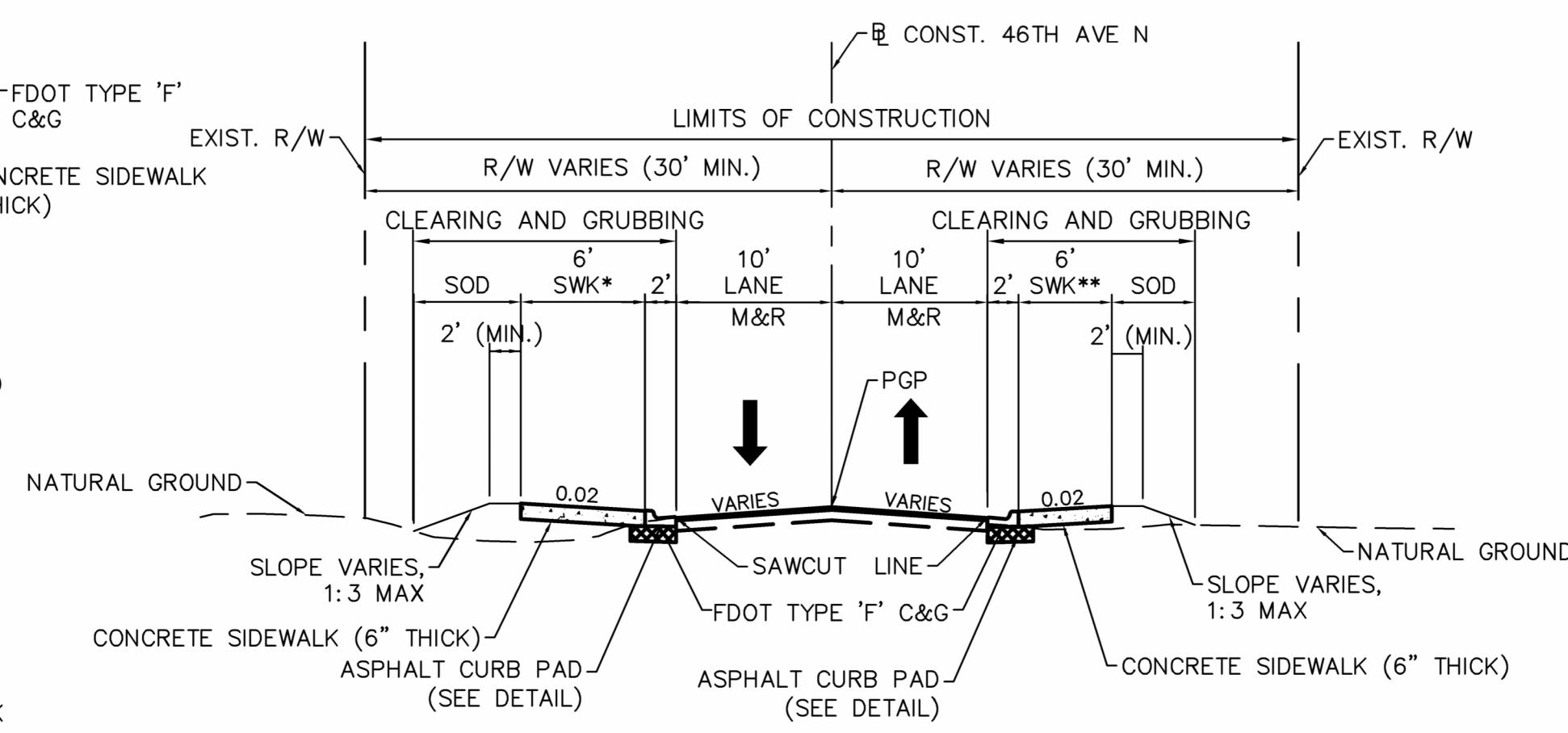
\*STA. 350+61.20 TO STA. 352+37.40



\*STA. 346+34.69 TO STA. 348+30.00



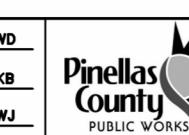
DESIGN SPEED = 30 MPH  
POSTED SPEED = 30 MPH



STA. 348+70.00 TO STA. 349+55.00  
MILL AND OVERBUILD EXIST. ASPHALT PAVEMENT (1.5" DEPTH)  
TYPE SP 12.5 STRUCTURAL COURSE (TRAFFIC C) (1.5")

\*\* RECONSTRUCT EXIST. 5' SIDEWALK STA. 345+66.00  
TO STA. 346+94.20 RT. EXIST. SIDEWALK TO  
REMAIN STA. 346+94.20 TO STA. 348+40.00 RT.

			DESIGNED	JWD
			DRAWN	LKB
			CHECKED	JWJ
REV. NO.	DATE	DESCRIPTION	REV. BY	



PROJECT:  
46TH AVENUE EAST  
RAILROAD

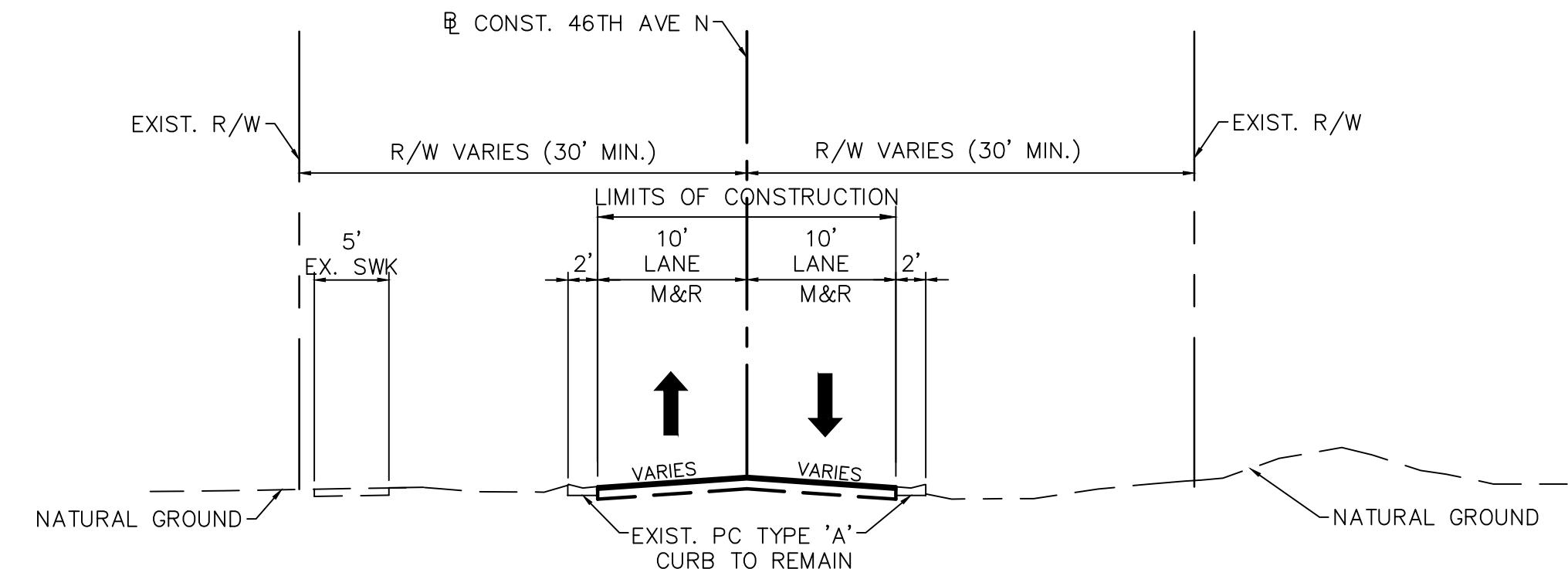
DESCRIPTION:  
TYPICAL SECTIONS (1)

HARDESTY & HANOVER, LLC.  
5110 EISENHOWER BLVD.  
SUITE 310  
TAMPA, FL 33634



ENGINEER OF RECORD  
JASON W. DUNN, P.E.  
FLA. LIC. NO 65039

DATE: NOV 2023  
PROJECT NO. 004678A  
SHEET: 4 OF 26



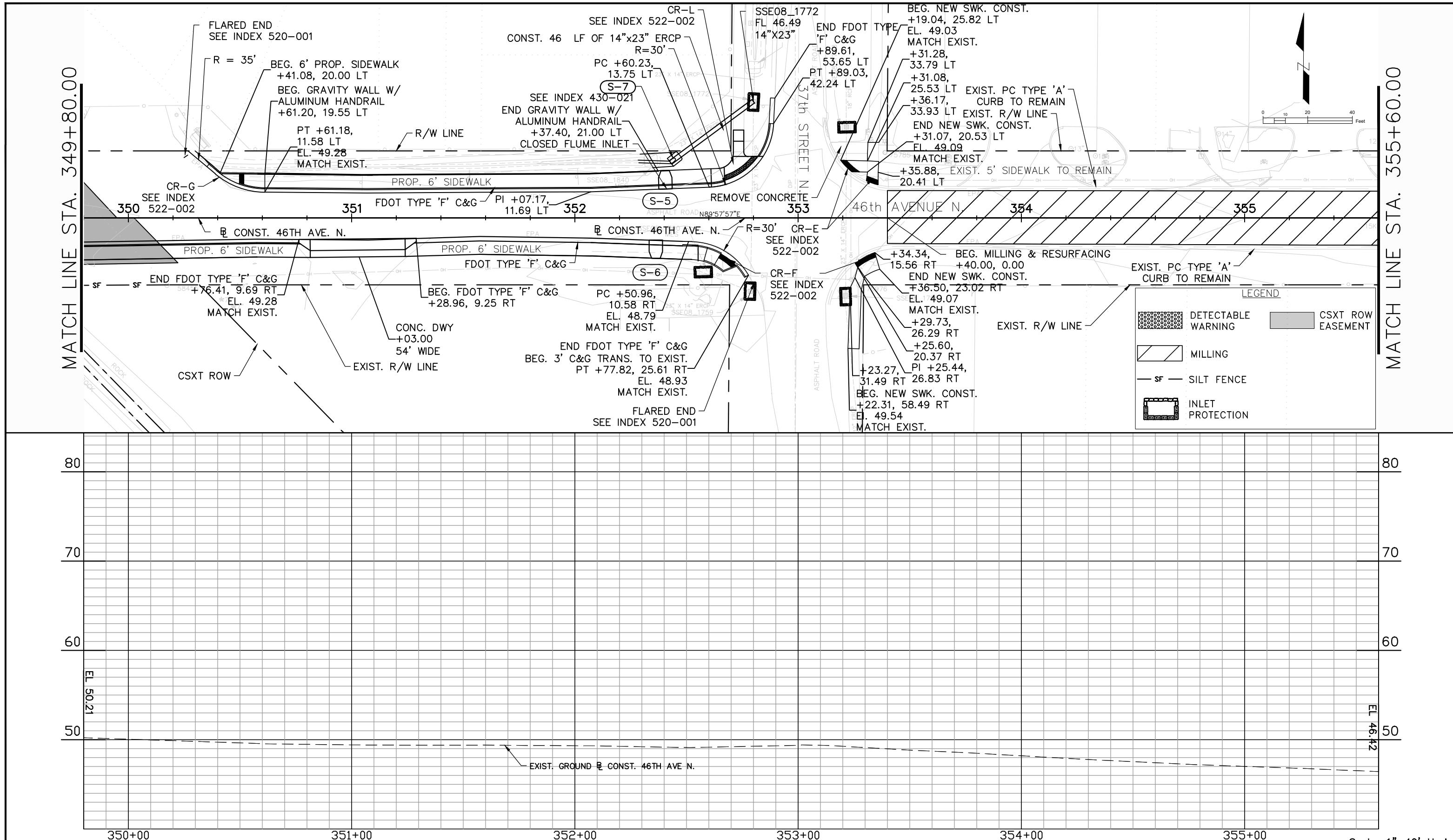
ROADWAY  
TYPICAL SECTION 46TH AVE  
STA. 353+40.00 TO STA. 359+75.33

EXIST. TRAVEL LANES  
MILL EXIST. ASPHALT PAVEMENT (1.5" DEPTH)  
TYPE SP 12.5 STRUCTURAL COURSE (TRAFFIC C) (1.5")

DESIGN SPEED = 30 MPH  
POSTED SPEED = 30 MPH

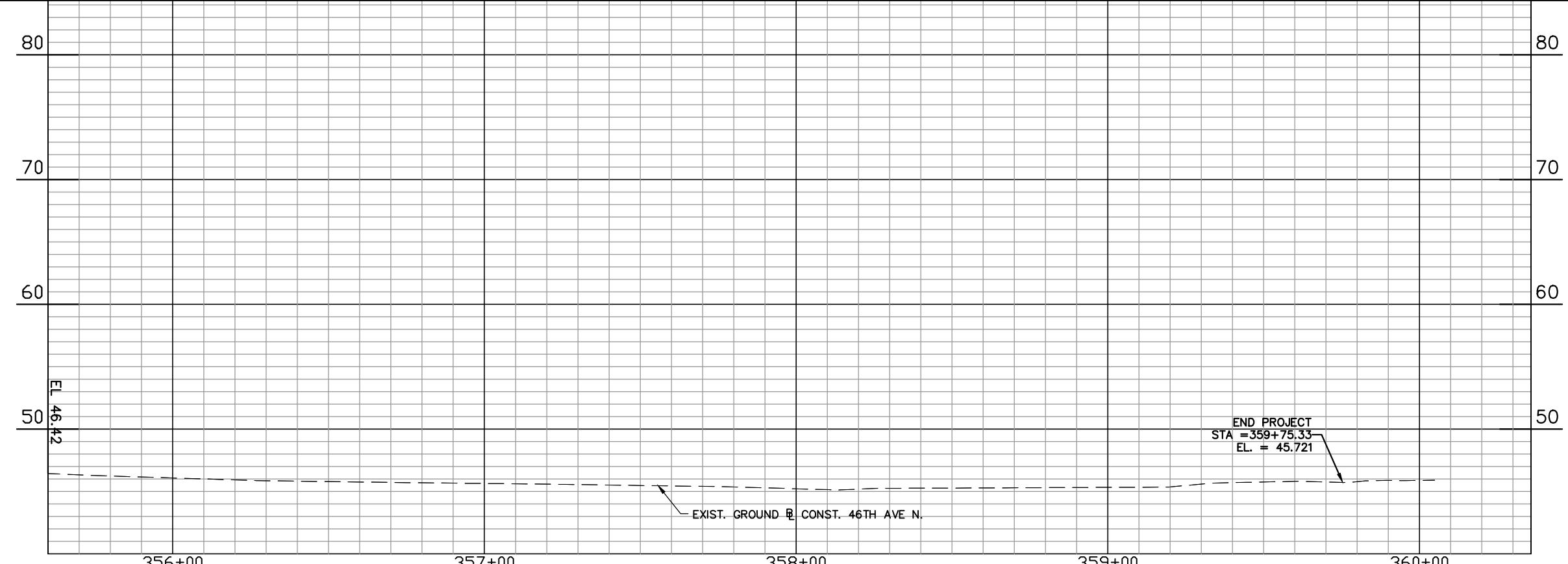
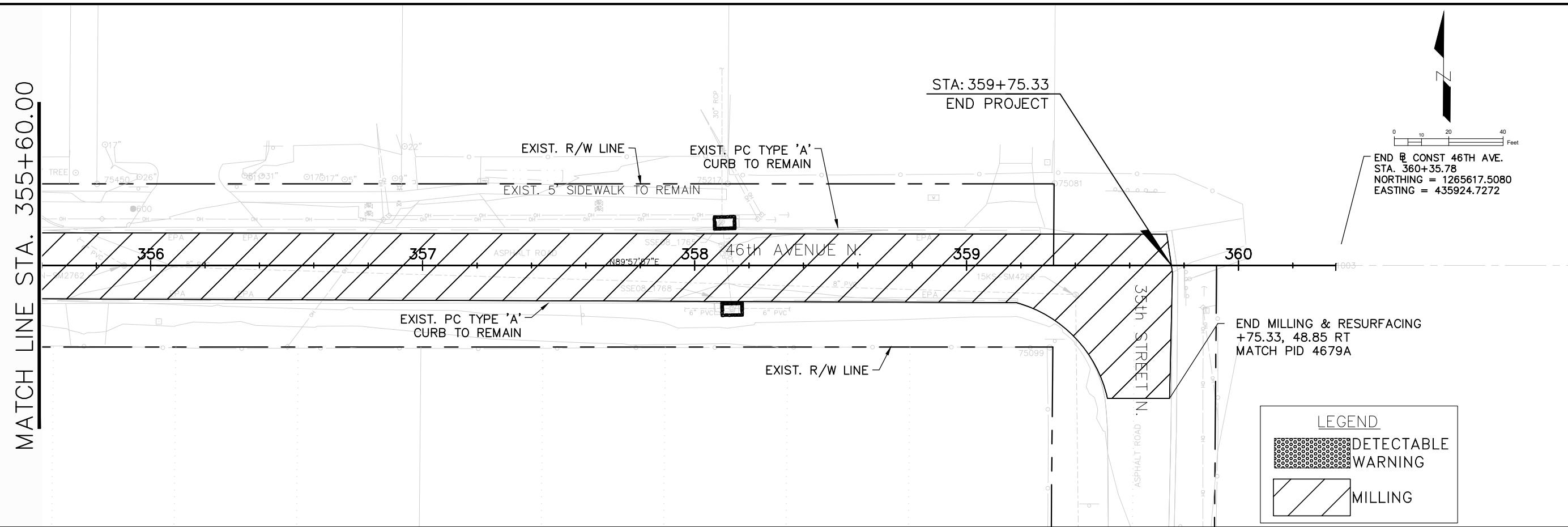
			DESIGNED DRAWN CHECKED	JWD LKB JWJ	Pinellas County PUBLIC WORKS	PROJECT: 46TH AVENUE EAST RAILROAD	DESCRIPTION: TYPICAL SECTIONS (2)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634		DATE: NOV 2023
REV. NO.	DATE	DESCRIPTION	REV. BY						ENGINEER OF RECORD JASON W. DUNN, P.E. FLA. LIC. NO 65039	PROJECT NO. 004678A





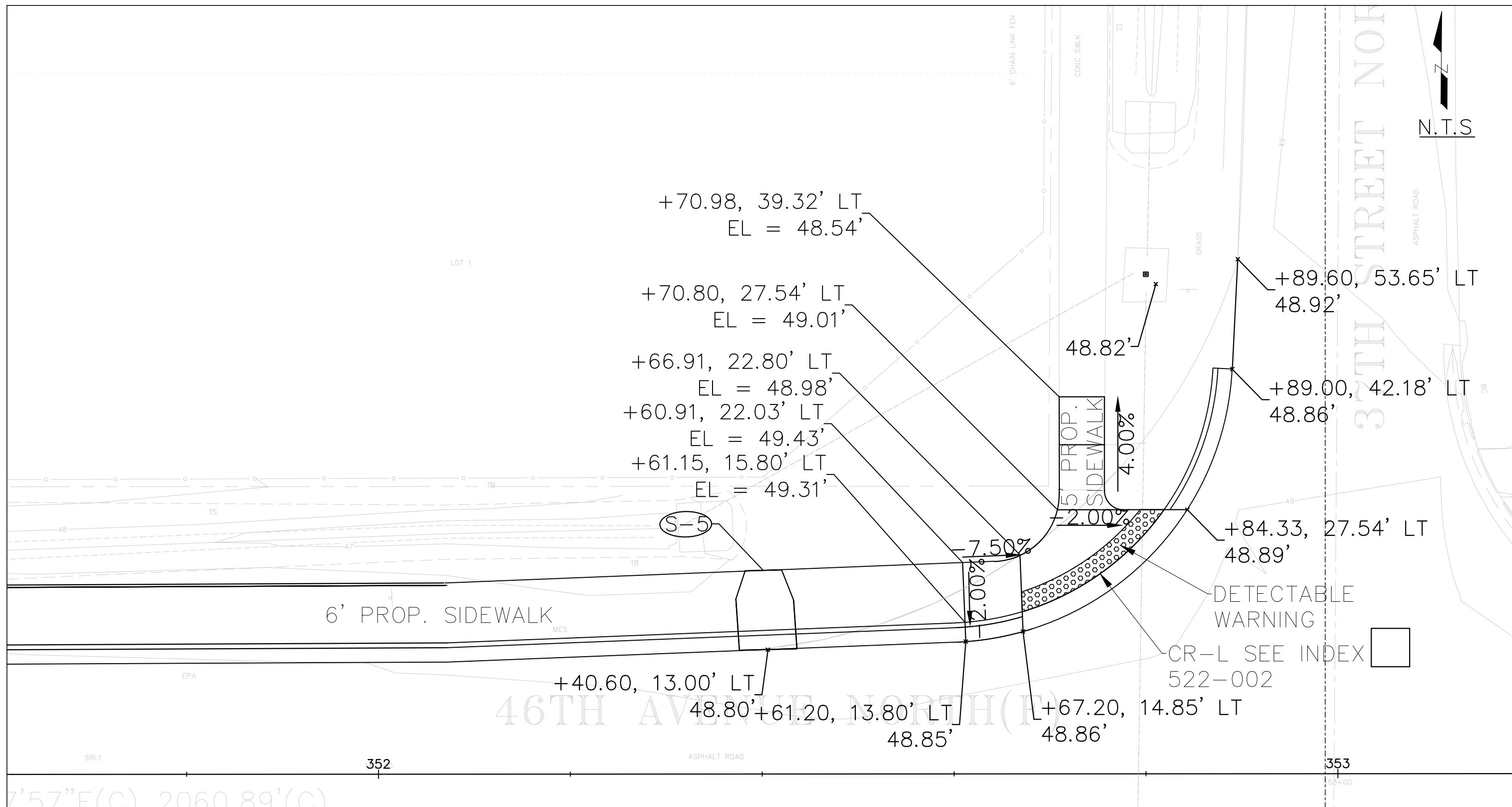
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1"=10' Vert.

			DESIGNED DRAWN CHECKED	JWD LKB JWJ	 PROJECT: 46TH AVENUE EAST RAILROAD	DESCRIPTION: ROADWAY PLAN/PROFILE (2)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634		APPROVED BY: ENGINEER OF RECORD JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE: NOV 2023 PROJECT NO.: 004678A SHEET: 7 OF 26
REV. NO.	DATE	DESCRIPTION	REV. BY							



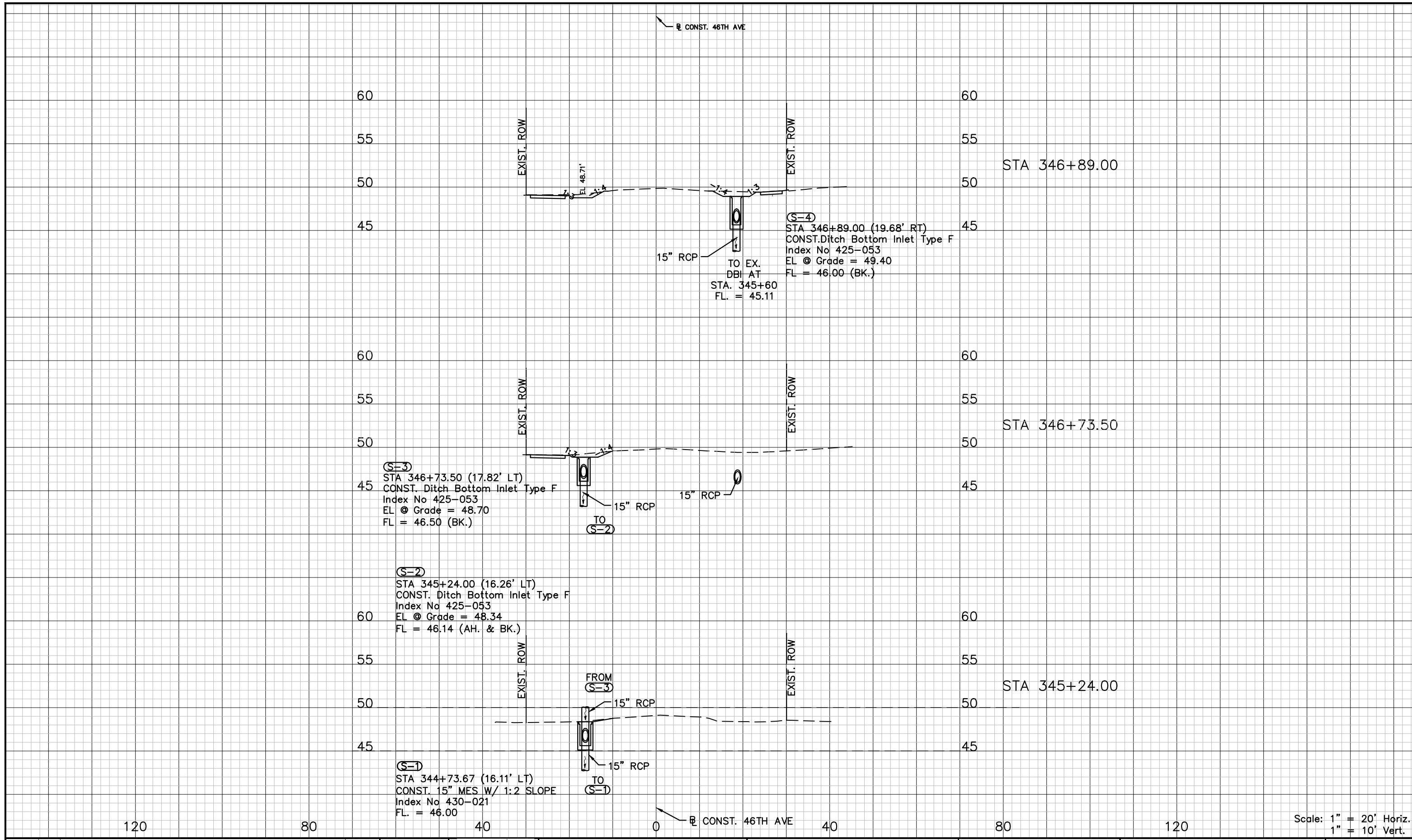
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1"=10' Vert.

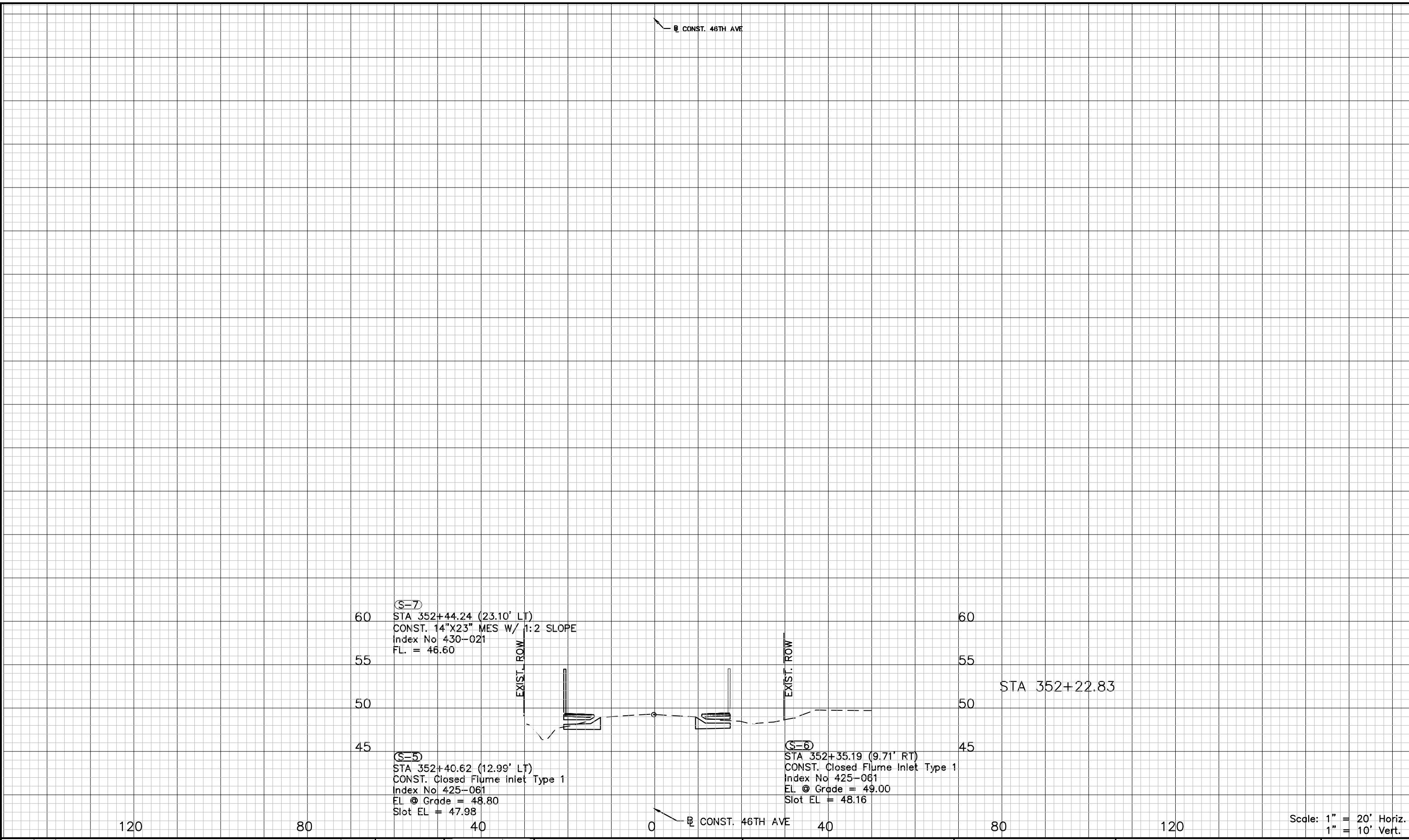
			DESIGNED <u>JWD</u>	PROJECT: <b>46TH AVENUE EAST RAILROAD</b>	DESCRIPTION: <b>ROADWAY PLAN/PROFILE (3)</b>	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634		DATE: <b>NOV 2023</b>
			DRAWN <u>LKB</u>					PROJECT NO. <b>004678A</b>
			CHECKED <u>JWJ</u>					SHEET: <b>8 OF 26</b>
REV. NO.	DATE	DESCRIPTION	REV. BY	Pinellas County PUBLIC WORKS				



CURB RAMP AT NW CORNER  
OF 46TH AVE. N AND 37TH ST.

			DESIGNED DRAWN CHECKED	JWD LKB JWJ	PROJECT: 46TH AVENUE EAST RAILROAD	DESCRIPTION: SPECIAL DETAIL	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634		ENGINEER OF RECORD JASON W. DUNN, P.E. FLA. LIC. NO 65039	DATE: NOV 2023 PROJECT NO. 004678A SHEET: 9 OF 26
REV. NO.	DATE	DESCRIPTION	REV. BY							

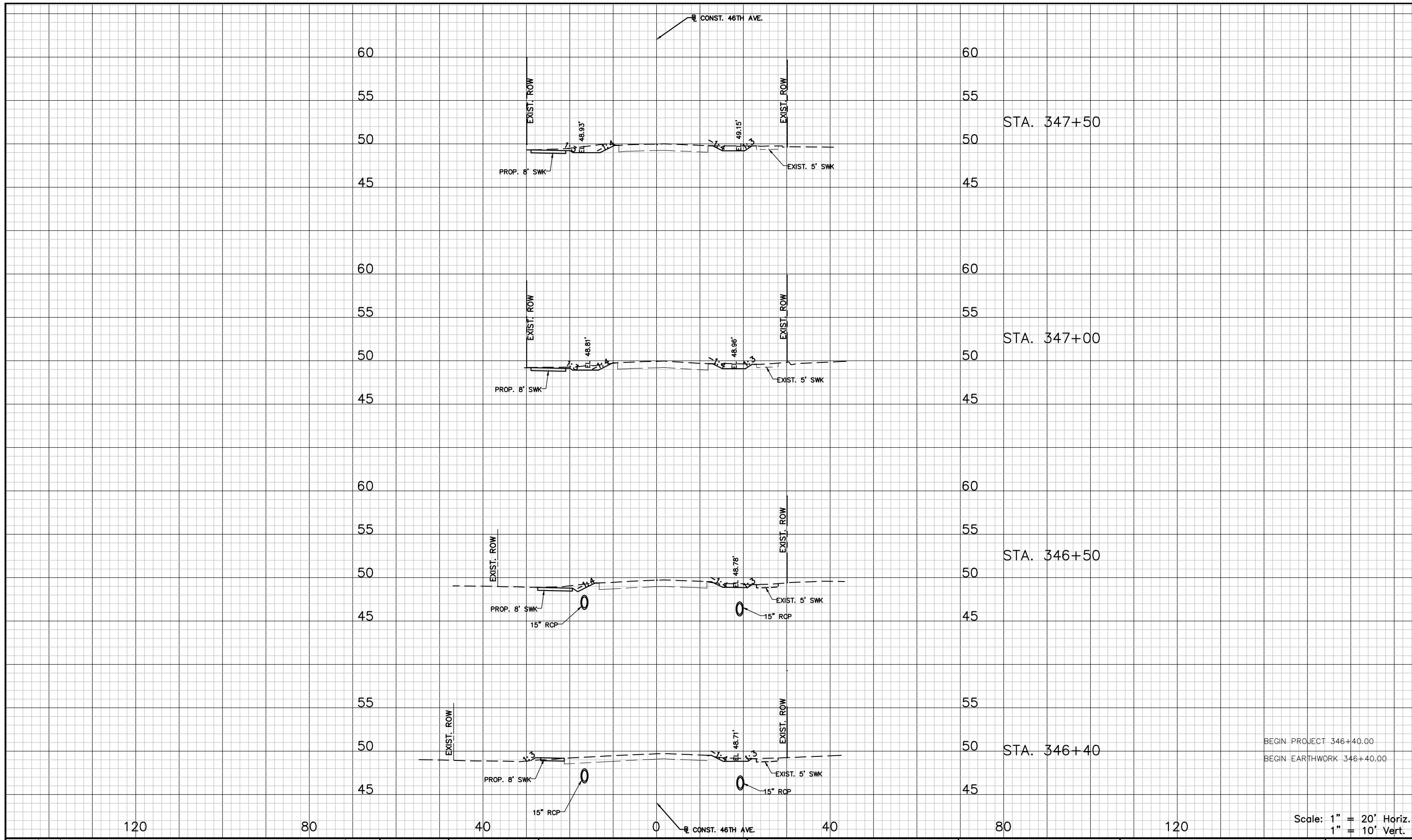




REV. NO.	DATE	DESCRIPTION	REV. BY	DESIGNED	JWD	DRAWN	LKB	CHECKED	JWJ	PROJECT:	DESCRIPTION:	DATE:
										46TH AVENUE EAST RAILROAD	DRAINAGE STRUCTURES (2)	NOV 2023



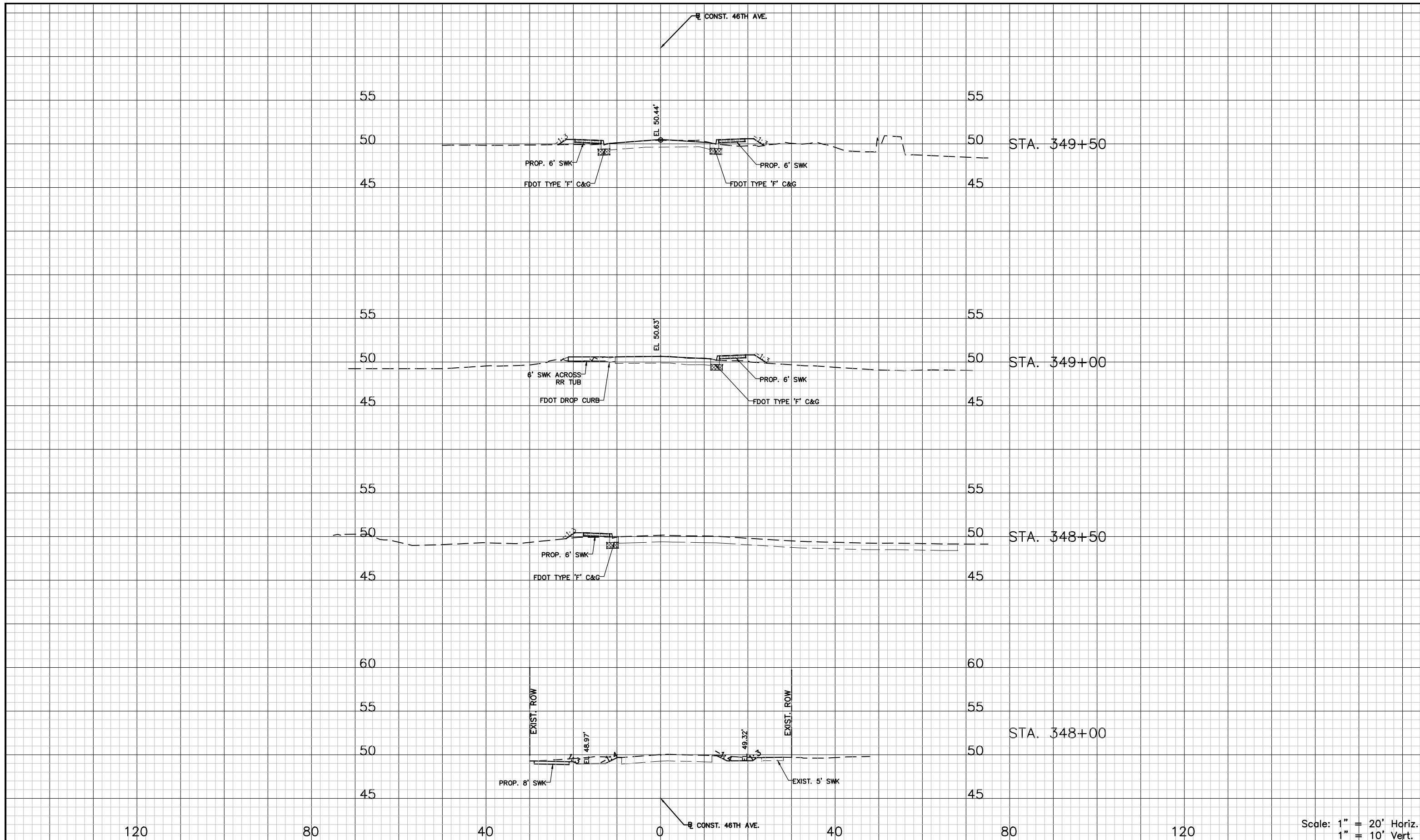
ENGINEER OF RECORD  
 JASON W. DUNN, P.E.  
 FLA. LIC. NO. 65039



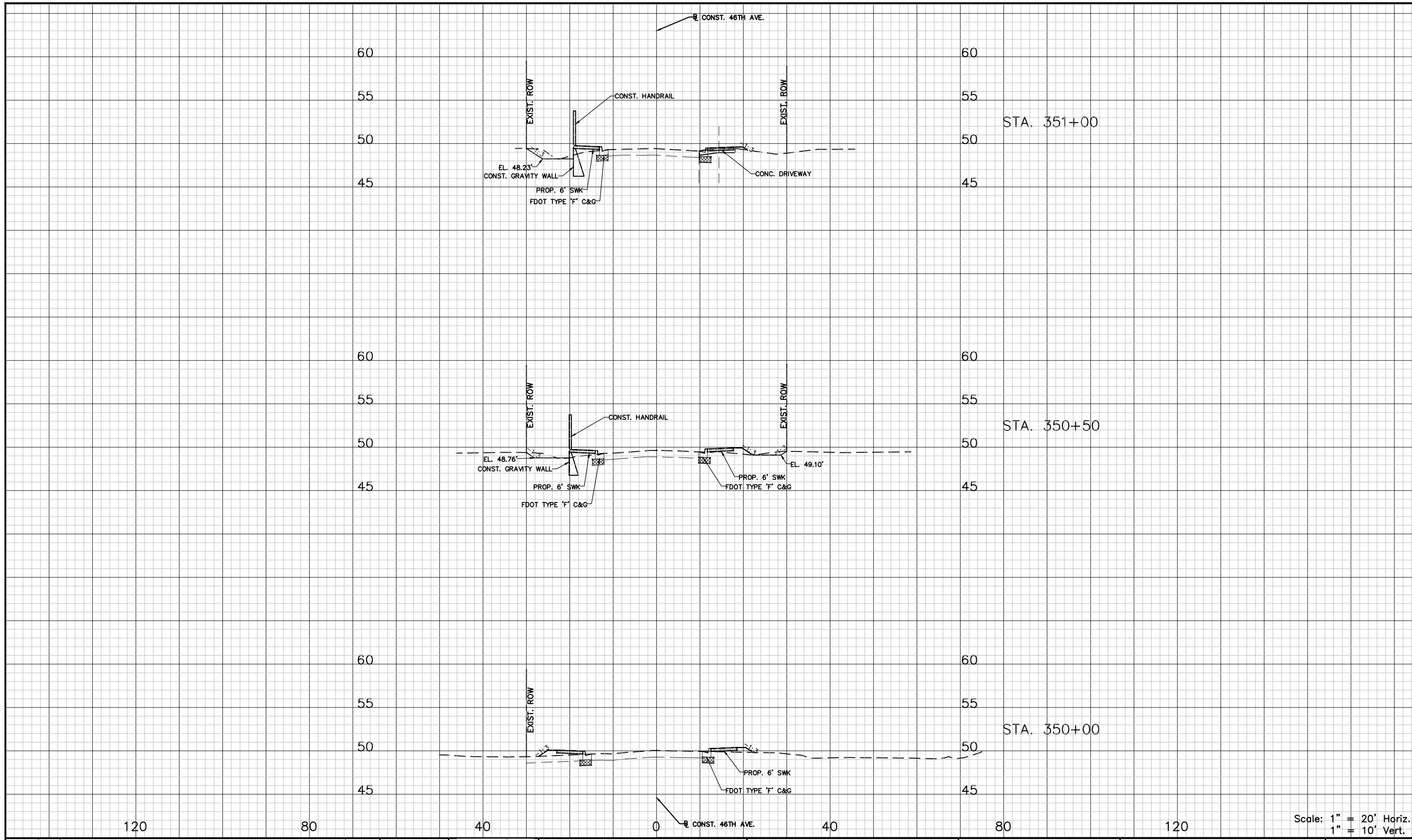
DESIGNED	JWD	DRAWN	LKB	CHECKED	JWJ	PROJECT:	DESCRIPTION:	DATE:
						46TH AVENUE EAST RAILROAD	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634	NOV 2023
REV. NO.	DATE	DESCRIPTION	REV. BY					PROJECT NO. 004678A
								SHEET: 12 OF 26



ENGINEER OF RECORD  
JASON W. DUNN, P.E.  
FLA. LIC. NO. 65039



DESIGNED	JWD	PROJECT:	46TH AVENUE EAST RAILROAD		DESCRIPTION:	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634		DATE:	NOV 2023
DRAWN	LKB							PROJECT NO.	004678A
CHECKED	JWJ							SHEET:	13 OF 26
REV. NO.	DATE	DESCRIPTION	REV. BY	Pinellas County PUBLIC WORKS	CROSS SECTIONS (2)			ENGINEER OF RECORD	JASON W. DUNN, P.E. FLA. LIC. NO. 65039

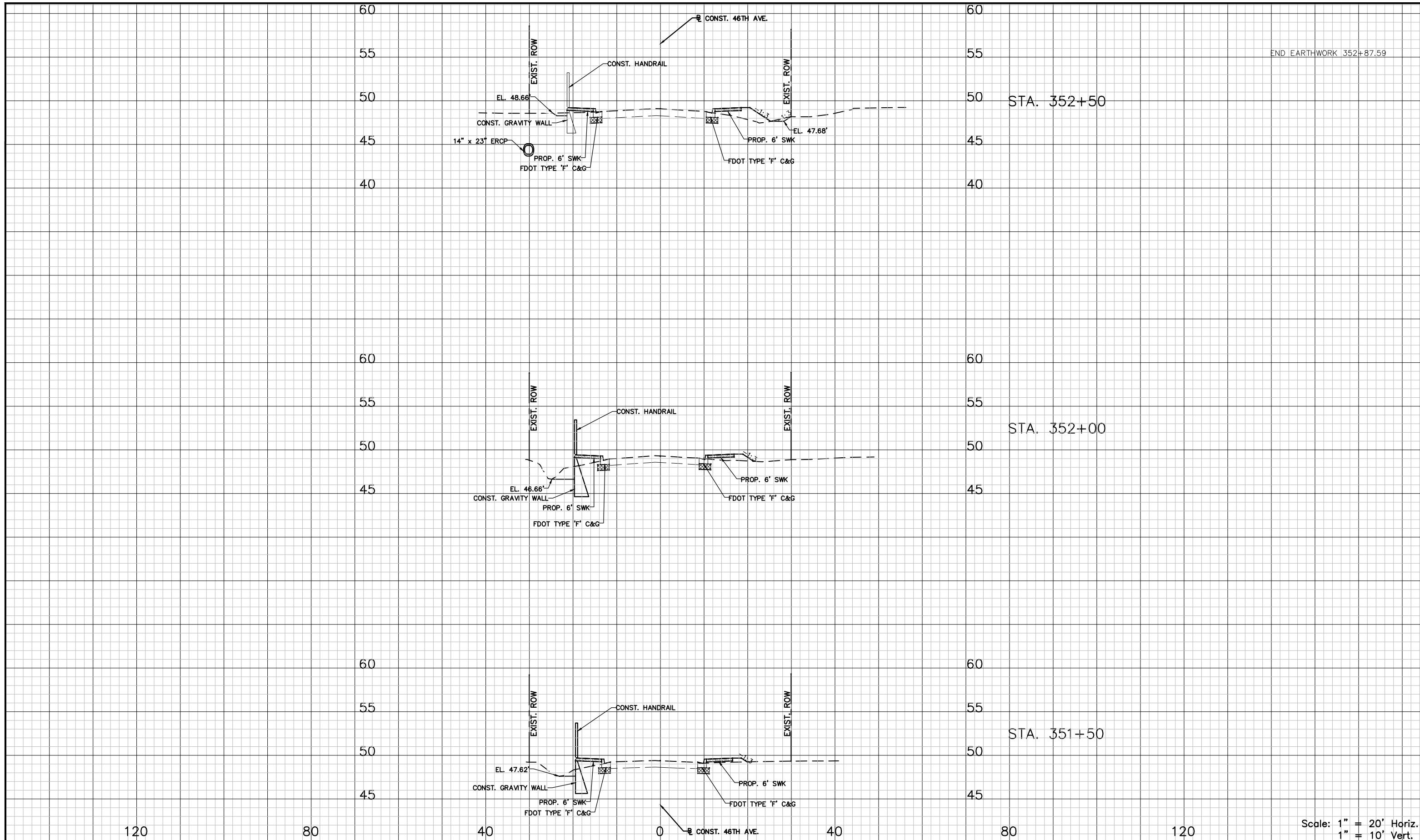


Scale: 1" = 20' Horiz.  
1" = 10' Vert.

DESIGNED	JWD	PROJECT:	HARDESTY & HANOVER, LLC.	DATE:
DRAWN	LKB	46TH AVENUE EAST	5110 EISENHOWER BLVD.	NOV 2023
CHECKED	JWJ	RAILROAD	SUITE 310	PROJECT NO.
REV. NO.	DATE	DESCRIPTION	TAMPA, FL 33634	004678A
REV. BY				SHEET: 14 OF 26



ENGINEER OF RECORD  
JASON W. DUNN, P.E.  
FLA. LIC. NO. 65039



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

			DESIGNED DRAWN CHECKED	JWD LKB JWJ	 PROJECT: 46TH AVENUE EAST RAILROAD	DESCRIPTION: CROSS SECTIONS (4)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634		ENGINEER OF RECORD JASON W. DUNN, P.E. FLA. LIC. NO 65039	DATE: NOV 2023 PROJECT NO. 004678A SHEET: 15 OF 26
REV. NO.	DATE	DESCRIPTION	REV. BY							

## I. SITE DESCRIPTION

### A. CONSTRUCTION ACTIVITY

1. CONSTRUCTION OF A NEW RAILROAD CROSSING AND ROADWAY APPROACHES
2. CONSTRUCTION OF CURB AND GUTTER AND SIDEWALKS
3. ROADWAY RESURFACING

### B. PROJECT LIMITS

PROJECT LIMITS ALONG 46TH AVENUE NORTH FROM LOWN STREET TO 35TH STREET NORTH.

### C. PROJECT DESCRIPTION

THE PROJECT CONSISTS OF CONSTRUCTION OF A NEW RAILROAD CROSSING, ADA COMPLIANT SIDEWALKS ON BOTH SIDES OF THE ROAD, CURB AND GUTTER IN THE RAILROAD CROSSING APPROACHES AND INCIDENTAL DRAINAGE WORK ALONG THE 46<sup>TH</sup> AVENUE NORTH.

### D. MAJOR SOIL DISTURBING ACTIVITIES

MINOR CLEARING AND GRUBBING AND GRADING TO CONSTRUCT SIDEWALKS AND CURB AND GUTTER ALONG 46TH AVENUE NORTH.

E. TOTAL PROJECT AREA: 1.83 ACRES

TOTAL AREA TO BE DISTURBED: 1.24 ACRES

### F. RUNOFF DATA

BEFORE CONSTRUCTION RUNOFF COEFFICIENT: 0.70

DURING CONSTRUCTION RUNOFF COEFFICIENT: 0.70-0.78

AFTER CONSTRUCTION RUNOFF COEFFICIENT: 0.78

### G. SOIL DATA

SOIL TYPE	HYDROLOGIC SOIL GROUP	DEPTH TO WATER TABLE (FT)
MYAKKA-URBAN LAND	B/D	0.5 - 1.5
URBAN LAND	N/A	N/A

### H. DRAINAGE AREA (ATTACH DRAINAGE MAP OR PROVIDE DRAINAGE AREA IN ACRES)

REFER TO DRAINAGE MAP

### I. RECEIVING WATERS

ROADSIDE DITCHES THAT DRAIN TOWARD JOE'S CREEK

### J. WETLANDS AREAS

NONE WITHIN PROJECT LIMITS.

## II. CONTROLS

ALL CONTROLS SHALL BE CONSISTENT WITH PERFORMANCE STANDARDS FOR EROSION AND SEDIMENT CONTROL AND STORM-WATER TREATMENT SET FORTH IN s.62-40.432, F.A.C., THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, THE APPLICABLE STORM-WATER OR ENVIRONMENTAL RESOURCE PERMITTING REQUIREMENTS OF THE DEPARTMENT OR A WATER MANAGEMENT DISTRICT, THE GUIDELINES CONTAINED IN THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (DEP, 1988) AND ANY SUBSEQUENT AMENDMENTS.

### A. SEQUENCE OF MAJOR ACTIVITIES

1. INSTALL SEDIMENT BARRIERS AND INLET PROTECTION, CLEARING AND GRUBBING, GRADING
2. INSTALL NEW RAILROAD CROSSING TUB
3. CONSTRUCT CURB AND GUTTER AND SIDEWALK
4. CONSTRUCT ROADWAY OVERBUILD AND PERFORM PAVEMENT RESURFACING

WHEN CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE EROSION PROTECTION DEVICES AND CONSTRUCTION ENTRANCE AS REQUIRED.

### B. EROSION AND SEDIMENT CONTROL CONSTRUCTION ACTIVITIES

THE CONTRACTOR IS REQUIRED TO REVIEW THE SITE SPECIFIC EROSION CONTROL PLAN. THE CONTRACTOR MAY ALSO BE REQUIRED TO MODIFY THE PLAN OR MATERIALS TO ADAPT TO SEASONAL VARIATIONS OR SITE CONDITIONS. CONTRACTOR WILL COMPLY WITH E & S PLAN. ANY MODIFICATIONS TO THIS PLAN MUST BE

SIGNED BY A PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR. THE EROSION CONTROL DEVICES, DETAILS, AND NOTES APPLICABLE TO THESE ACTIVITIES ARE SPECIFIED IN THE PLANS. THE PROJECT ENGINEER IS RESPONSIBLE FOR DETERMINING IF ADDITIONAL CONTROLS ARE THE PROJECT ENGINEER MAY REQUIRE ADDITIONAL CONTROLS TO MEET STANDARDS AND REGULATIONS.

PERFORM A THOROUGH DAILY INSPECTION OF EROSION AND SEDIMENT CONTROLS AFTER EVERY  $\frac{1}{2}$ " RAINFALL

REMOVE ALL SEDIMENTS THAT HAVE MIGRATED OFF SITE AND RESTORE AFFECTED AREAS AS DIRECTED BY THE ENGINEER

EROSION CONTROL DEVICES SHALL BE LOCATED A MINIMUM OF 15 FEET FROM CENTERLINE OF RAILROAD TRACKS.

### C. STABILIZATION PRACTICES

DURING CONSTRUCTION THE CONTRACTOR WILL PROVIDE STABILIZATION FOR AREAS WHICH HAVE BEEN CLEARED AND NOT REWORKED WITHIN FOURTEEN (14) CALENDAR DAYS. THE CONTRACTOR MAY UTILIZE TEMPORARY SEEDING OR TEMPORARY SODDING IN ACCORDANCE WITH SECTION 570 OF THE "FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

- TEMPORARY SODDING
- TEMPORARY GRASSING
- PERMANENT SODDING OR SEEDING
- PRESERVATION OF NATURAL RESOURCES
- BUFFER ZONES

### D. STRUCTURAL PRACTICES

- SYNTHETIC BALES (LF)
- ARTIFICIAL COVERINGS/ ROLLED EROSION CONTROL PRODUCTS (SY)
- INLET PROTECTION SYSTEM (EA)
- LITTER REMOVAL AND DISPOSAL (AC)
- MOWING (AC)
- SLOPE DRAINS (TEMPORARY)/ RUNOFF CONTROL STRUCTURES (LF)
- SOIL TRACKING PREVENTION DEVICE (EA)
- SEDIMENT BASINS/CONTAINMENT SYSTEMS (EA)
- SEDIMENT BASIN/ CONTAINMENT SYSTEM CLEANOUT (EA)
- FLOATING TURBIDITY BARRIER (LF)
- STAKED SILT FENCE (LF)
- CHEMICAL TREATMENT - POWDERED (SY)
- CHEMICAL TREATMENT (FLOC LOGS, DRUMS OF PRODUCT) (EA)
- OTHER

### E. DESCRIPTION OF STORM WATER MANAGEMENT

EXISTING DRAINAGE RUNOFF IS CONVEYED BY OVERLAND FLOW INTO ROADSIDE SWALES THAT ULTIMATELY DRAIN TO ST. JOES CREEK. IN THE PROPOSED CONDITION CONCRETE CURB WILL DIRECT THE ROADWAY RUNOFF TO THESE EXISTING ROADSIDE SWALES AND MATCH EXISTING DRAINAGE PATTERNS. THERE ARE NO STORMWATER MANAGEMENT FACILITIES IN THE EXISTING CONDITIONS AND NONE ARE PROPOSED. THE DESIGN WILL NOT CREATE ANY IMPACTS TO EXISTING SWALE CONVEYANCE CAPACITY.

### F. WASTE DISPOSAL

THE CONTRACTOR SHALL PROVIDE LITTER CONTROL AND COLLECTION WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION ACTIVITIES. ANY CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR ACCORDING TO EPA'S STANDARD PRACTICES AS DETAILED BY THE MANUFACTURER. NO SOLID MATERIALS INCLUDING BUILDING & CONSTRUCTION MATERIALS SHALL BE DISCHARGED TO WETLANDS OR BURIED ON SITE. ALL WASTE MATERIAL WILL BE COLLECTED AND STORED IN DUMPSTERS PER LOCAL SOLID WASTE REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF TWICE A WEEK OR MORE OFTEN IF NECESSARY, AND THE TRASH WILL BE HAULED TO THE APPROPRIATE COUNTY LOCATION FOR DUMPING.

OFFSITE RUNOFF AND ADDITIONAL DRAINAGE DUE TO CONSTRUCTION ACTIVITIES SHALL NOT BE DIVERTED TOWARD THE CSXT ROW.

CHEMICAL TREATMENTS METHODS FOR EROSION AND SEDIMENT CONTROL ARE PROHIBITED TO BE UTILIZED ADJACENT AND WITHIN CSXT ROW.

DEWATERING IS PROHIBITED WITHIN IN THE CSXT ROW. OTHER CONTROL METHODS WILL NEED TO BE SUBMITTED FOR REVIEW AND APPROVAL BEFORE COMMENCING ANY APPLICABLE OPERATION WITHIN CSXT

ROW.

IF ANY SPILL, ISSUE OR INCIDENT OCCURS WITHIN CSXT ROW, PLEASE CONTACT THE CSXT PUBLIC SAFETY COORDINATION CENTER AT 800-232-0144.

### G. OFFSITE VEHICLE TRACKING

STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS AND INSPECTED/MAINTAINED DAILY. THE PAVED STREETS WILL BE CLEANED AS DIRECTED BY THE CONSTRUCTION INSPECTOR AND ENGINEER TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM OR TO THE SITE WILL BE COVERED WITH A TARPAULIN AT ALL TIMES.

### H. SANITARY WASTE

FDOT STANDARD SPEC. FOR ROAD AND BRIDGE CONSTRUCTION" SECTION 7-6 "SANITARY PROVISIONS. "THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN A NEAT AND SANITARY CONDITION, SUCH ACCOMMODATION FOR THE USE OF HIS EMPLOYEES AS ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS AND REGULATIONS OF THE STATE AND LOCAL BOARDS OF HEALTH. COMMIT NO PUBLIC NUISANCE."

### I. HAZARDOUS WASTE

THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE COUNTY IN WRITING IF ANY HAZARDOUS WASTE MATERIAL IS ENCOUNTERED DURING SITE INVESTIGATION OR CONSTRUCTION.

THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR NOTIFYING THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) WITHIN 24 HOURS OF THE DISCOVERY.

ALL HAZARDOUS WASTE MATERIALS, IF ENCOUNTERED, WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND FEDERAL REGULATIONS. THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

IN CASE OF DISPOSING ANY HAZARDOUS WASTE MATERIAL FOLLOWING LOCAL, STATE, AND FEDERAL REGULATIONS, A COPY OF DISPOSAL MANIFEST HAS TO BE PROVIDED TO THE COUNTY IN TIMELY FASHION.

### PERMITTEE 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 POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

MONA R GABRIEL, P.E., CCM, CAPITAL IMPROVEMENTS DIVISION DIRECTOR  
PINELLAS COUNTY PUBLIC WORKS. APPLICANT-AUTHORIZED AGENT FOR THE  
PINELLAS COUNTY BOARD OF COUNTY COMMISSIONERS.

DATE

### CONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

GENERAL CONTRACTOR NAME & TITLE

DATE

COMPANY NAME

COMPANY STREET ADDRESS

CITY, STATE, ZIP CODE

DESIGNED	JWD	DRAWN	LKB	PROJECT:	DESCRIPTION:		ROW:	DATE:	
DRAWN	LKB	REV. BY	CHECKED	JWJ	Pinellas County PUBLIC WORKS	PROJECT: 46TH AVENUE EAST RAILROAD	DESCRIPTION: SWPPP NOTES (1)	Hardesty & Hanover, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634	DATE: NOV 2023
REV. NO.	DATE	DESCRIPTION	REV. BY	CHECKED	JWJ			ENGINEER OF RECORD JASON W. DUNN, P.E. FLA. LIC. NO 65039	PROJECT NO. 004678A SHEET: 16 OF 26

#### J. WATER QUALITY MONITORING (MIXING ZONES)

THE WATER THAT WILL BE SAMPLED FOR STATE WATER QUALITY STANDARDS FOR CONSTRUCTION ACTIVITIES PROHIBIT A TURBIDITY INCREASE OF GREATER THAN 29 NTU'S ABOVE AMBIENT CONDITIONS AT THE COMPLIANCE LOCATION OF THE MIXING ZONES. TO MAINTAIN THIS STANDARD, TURBIDITY MONITORING SHALL OCCUR DURING ALL IN-WATER CONSTRUCTION ACTIVITIES AT EACH COMPLIANCE AND BACKGROUND STATION. THE FOLLOWING PROCEDURE SHALL BE USED:

FREQUENCY: TWICE A DAY, AT LEAST 4 HOURS APART DURING FREQUENCY OF ACTUAL CONSTRUCTION OPERATIONS.

LOCATIONS: ALL STATIONS SHALL BE SAMPLED AT 2 FEET ABOVE LOCATIONS THE BOTTOM, AT MID-DEPTH, AND AT THE SURFACE, OR AS DIRECTED BY PERMITTING AGENCIES. IF WATER IS LESS THAN THREE FEET DEEP, ONLY MID-DEPTH SAMPLES ARE REQUIRED.

BACKGROUND: 500 FEET UP-CURRENT FROM THE CONSTRUCTION BACKGROUND ACTIVITY AND OUTSIDE OF ANY TURBIDITY PLUME FROM THE CONSTRUCTION ACTIVITY.

COMPLIANCE: 300 FEET DOWN CURRENT FROM THE CONSTRUCTION COMPLIANCE ACTIVITY WITHIN ANY VISIBLE TURBIDITY PLUME, OR AS DIRECTED BY PERMITTING AGENCIES.

METHOD: ALL SAMPLES SHALL BE COLLECTED ON SITE VIA GRAB METHOD AND TURBIDITY READ, USING A PROPERLY CALIBRATED TUBIDIMETER ON SITE, TAKING 3 READINGS AT EACH SITE.

REPORTING: ALL MONITORING DATA SHALL BE SUBMITTED WITHIN ONE REPORTING WEEK OF ANALYSIS WITH DOCUMENTS CONTAINING THE FOLLOWING INFORMATION:

1. PERMIT NUMBER
2. DATES OF SAMPLING AND ANALYSIS
3. LOCATION OF SAMPLE (I.E., STATION AND WATER COLUMN LOCATION)
4. A STATEMENT DESCRIBING THE METHODS USED IN COLLECTION, HANDLING,
5. STORAGE, AND ANALYSIS OF THE SAMPLES
6. SAMPLE RESULTS
7. A MAP INDICATING THE SAMPLING LOCATIONS
8. STATEMENT, BY THE INDIVIDUAL RESPONSIBLE FOR IMPLEMENTATION OF THE SAMPLING PROGRAM, CONCERNING THE AUTHENTICITY, PRECISION, LIMITS OF DETECTION AND ACCURACY OF DATA.

MONITORING REPORTS SHALL INCLUDE INFORMATION ON THE GENERAL ANTECEDENT WEATHER CONDITIONS.

IF MONITORING REVEALS VIOLATIONS OF THE STATE WATER QUALITY STANDARD FOR TURBIDITY, CONSTRUCTION ACTIVITIES 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 REPORTED TO THE REGULATORY AGENCIES. IN THE EVENT THAT STATE WATER QUALITY STANDARDS ARE NOT ATTAINED, THE CONTRACTOR SHALL IMPLEMENT A CONTINGENCY PLAN WHICH COMPLIES WITH THE PROJECT SWFWMD/DEP ERP AND PINELLAS COUNTY NPDES REQUIREMENTS AT NO ADDITIONAL COST TO THE COUNTY. ANY FINES SHALL BE RESPONSIBILITY OF THE CONTRACTORS.

#### K. APPROVED STATE, LOCAL PLANS, OR STORM WATER PERMITS

NONE AT THE TIME OF PERMITTING

### III. MAINTENANCE

#### A. ALL OF THE CONTROLS SHALL BE MAINTAINED AT ALL TIMES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY INSPECTION AND MAINTENANCE OF ALL PERMANENT AND TEMPORARY EROSION CONTROL DEVICES THROUGHOUT ALL CONSTRUCTION PHASES OF THE PROJECT. MAINTENANCE SHALL BE IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, PINELLAS COUNTY "STANDARD TECHNICAL SPECIFICATIONS FOR ROADWAY AND RELATED CONSTRUCTION", AND THE PROJECT CONSTRUCTION CONTRACT.

#### B. INSPECTION

THE COUNTY INSPECTOR SHALL BE RESPONSIBLE FOR COMPLETING THE PINELLAS COUNTY NPDES / SWPPP CONSTRUCTION INSPECTION REPORT AFTER ANY  $\frac{1}{2}$ " RAINFALL OR WEEKLY, IF NO RAIN EVENT OCCURRED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN RAIN GAUGES ON THE PROJECT SITE AND RECORD WEEKLY RAIN FALL. THE COUNTY INSPECTOR SHALL NOTIFY PINELLAS COUNTY DIVISION OF ENVIRONMENTAL MANAGEMENT OF ANY NON-COMPLIANCE PER SECTION 58-244 TO 246 OF THE PINELLAS COUNTY CODE.

#### C. NON-STORM WATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES MAY OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

- WATER FROM WATER LINE FLUSHING
- PAVEMENT WASH WATERS (WHERE NO SPILL OR LEAKS OF VEHICLE AND HAZARDOUS MATERIALS HAVE OCCURRED)
- UNCONTAMINATED GROUNDWATER FROM DE-WATERING ACTIVITIES

ALL NON-STORM WATER DISCHARGES SHOULD BE CONTAINED ON SITE AND DIRECTED TO SEDIMENT TREATMENT BMPs. UNTREATED OFF SITE DISCHARGES WILL BE REPORTED TO THE COUNTY INSPECTOR AND PINELLAS COUNTY DIVISION OF ENVIRONMENTAL MANAGEMENT FOR FURTHER INVESTIGATION. IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, DEWATERING SHOULD CEASE IMMEDIATELY AND THE ENGINEER WILL BE CONTACTED.

#### D. MATERIAL MANAGEMENT PRACTICES

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

##### 1. THE FOLLOWING GOOD HOUSEKEEPING PRACTICES SHALL BE FOLLOWED ON-SITE DURING THE CONSTRUCTION PROJECT.

- STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB ON SITE.
- ALL MATERIALS STORED ON SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR ORIGINAL MANUFACTURER'S LABELED CONTAINERS UNDER A ROOF OR OTHER CONTAINED ENCLOSURE.
- SUBSTANCES SHALL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- WHENEVER POSSIBLE, ALL OF A PRODUCT SHALL BE USED BEFORE DISPOSING OF THE CONTAINER. MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL SHALL BE FOLLOWED.
- THE SITE SUPERINTENDENT SHALL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ON-SITE.

##### 2. THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

- PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RE-SEALABLE.
- SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL OPENED CONTAINERS. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHALL BE KEPT ON-SITE IN THE CONSTRUCTION OFFICE TRAILER.
- IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS, LOCAL, OR STATE RECOMMENDED METHODS OF PROPER DISPOSAL SHALL BE FOLLOWED.
- THE CONTRACTOR MUST IDENTIFY A DESIGNATED FUEL TANK STORAGE AREA, AWAY FROM DRAINAGE STRUCTURES, PONDS, BASINS, AND WETLANDS, WITH SECONDARY CONTAINMENT (SPILL COLLECTION).

##### 3. CONCRETE TRUCKS

- CONTRACTOR SHALL DESIGNATE AN AREA AWAY FROM DRAINAGE STRUCTURES, PONDS, BASINS, AND WETLANDS FOR DISCHARGE OF SURPLUS CONCRETE OR DRUM WASH WATER AND SHALL INSTALL A CONTAINMENT BERM AROUND THIS AREA TO PREVENT RUNOFF TO THE REMAINDER OF THE SITE.
- HARD DEBRIS SHALL BE DISPOSED OF BY CONTRACTOR UPON COMPLETION OF THE PROJECT.
- DISPOSAL OF CONCRETE SLURRY DIRECTLY INTO PUBLIC DRAINAGE SYSTEMS IS A VIOLATION OF THE "ILICIT DISCHARGE" PROVISION OF THE PINELLAS COUNTY LAND DEVELOPMENT CODE AND SECTION 58-244 OF THE PINELLAS COUNTY CODE.
- SECTION 58-239 OF THE PINELLAS COUNTY CODE AUTHORIZES PENALTIES OF UP TO \$10,000.00 FOR EACH OFFENSE.

##### 4. SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIALS MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP.

- MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION CLEANUP SUPPLIES.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE.
- THE SPILL PREVENTION PLAN WILL BE PREPARED BY THE CONTRACTOR AND KEPT IN THE CONSTRUCTION OFFICE TRAILER AND WILL INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE ARE OTHERS. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED. ALL SPILLS AND RESPONSES WILL BE REPORTED TO THE APPROPRIATE AGENCY.
- THE SITE SUPERINTENDENT WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE WILL DESIGNATE OTHER SITE PERSONNEL WHO WILL RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ON SITE.
- USE AND CHARACTERISTICS OF FUEL OR CHEMICAL STORAGE TANK ON SITE SHALL COMPLY WITH ALL RELATED FEDERAL, STATE, AND LOCAL REGULATIONS. STORAGE TANKS MUST BE LOCATED AS FAR AS POSSIBLE FROM ANY DRAINAGE STRUCTURES, DITCHES, AND/OR SURFACE WATERS. IN ADDITION, THE CONTRACTOR MUST PROVIDE A SECONDARY CONTAINMENT WITH A LINER CHEMICALLY RESISTANT TO THE FUEL OR CHEMICAL STORED ON SITE. THE SECONDARY CONTAINMENT MUST BE SIZED TO CONTAIN MINIMUM OF ONE AND A HALF TIME THE TOTAL CAPACITY OF STORAGE TANK BEING USED. CONTRACTOR HAS TO PROVIDE A DAILY INSPECTION LOG FOR THE SECONDARY CONTAINMENT WITH INDICATION OF DATE, INSPECTORS NAME AND INSPECTION REPORT. FURTHERMORE, ANY CONTAMINATION HAS TO BE IMMEDIATELY CONTAINED AND THE COUNTY INSPECTOR MUST BE NOTIFIED OF THE NATURE AND EXTENT OF THE CONTAMINATION.

#### PERMITTEE CERTIFICATION

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MONA R GABRIEL, P.E., CCM, CAPITAL IMPROVEMENTS DIVISION DIRECTOR  
PINELLAS COUNTY PUBLIC WORKS. APPLICANT-AUTHORIZED AGENT FOR THE  
PINELLAS COUNTY BOARD OF COUNTY COMMISSIONERS.

DATE

#### CONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

GENERAL CONTRACTOR NAME & TITLE

DATE

COMPANY NAME

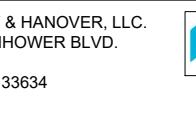
DATE

COMPANY STREET ADDRESS

DATE

CITY, STATE, ZIP CODE

DATE

			DESIGNED JWD	DRAWN LKB	CHECKED JWJ		PROJECT: 46TH AVENUE EAST RAILROAD	DESCRIPTION: SWPPP NOTES (2)		ENGINEER OF RECORD: JASON W. DUNN, P.E. FLA. LIC. NO 65039	DATE: NOV 2023
REV. NO.	DATE	DESCRIPTION	REV. BY							PROJECT NO. 004678A	SHEET: 17 OF 26

TEMPORARY TRAFFIC CONTROL GENERAL NOTES

1. MAINTAIN LOCAL TRAFFIC AND PEDESTRIAN TRAFFIC TO RESIDENTIAL PROPERTIES AT ALL TIMES.
2. DETOUR ALL NON-LOCAL TRAFFIC DURING THE RECONSTRUCTION OF THE ROADWAY.
3. USE PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) TO INFORM PUBLIC 2 WEEKS IN ADVANCE OF CONSTRUCTION COMMENCING. WHEN CONSTRUCTION BEGINS, ADJUST PCMS MESSAGE DISPLAY AS SHOWN BELOW:

2 WEEKS PRIOR:	DISPLAY 1 46TH AVE CLOSED AT RR	DISPLAY 2 MMMD TO MMMD
DURING CONSTRUCTION	DISPLAY 1 46TH AVE CLOSED AT RR	DISPLAY 2 MMMD TO MMMD

PLACE PCMS AS SHOWN ON THE TEMPORARY TRAFFIC CONTROL PLAN DETOUR (1).

1. COORDINATE DRIVEWAY/ PROPERTY ACCESS WITH AFFECTED PROPERTY OWNER 2 WEEKS PRIOR TO ANY WORK ADJACENT TO PROPERTY IMPACTED BY RECONSTRUCTION OF THE ROADWAY OR DRIVEWAY.
2. PRIOR TO ANY PAUSE IN OVERBUILD OF THE ROADWAY, COMPLETE THE WORK AREA OR RETURN THE WORK AREA TO SUCH A CONDITION THAT LOCAL TRAFFIC CAN TRAVEL SAFELY AND ACCESS THEIR PROPERTY. REFER TO FDOT STANDARD PLANS 102-600.
3. DESIGN SPEED OF 46TH AVE. = 30 MPH.
4. ROADWAY FLAGGERS MUST BE PRESENT ON EACH SIDE OF THE RAILROAD CROSSING, ANYTIME TRAFFIC IS DIRECTED INTO OPPPOSING TRAFFIC LANES AT THE RAILROAD CROSSING.
5. CHANNELIZATION/MOT DEVICES SHALL BE PLACED A MINIMUM OF 15 FEET FROM CENTER LINE OF RAILROAD TRACKS.

TEMPORARY TRAFFIC CONTROL PHASE NOTES

PHASE 1

THIS PHASE WILL CONSTRUCT THE RR TRACK CROSSING ALONG WITH THE PROPOSED SIDEWALK, CURB AND GUTTER AND OVERBUILD OF THE ROADWAY FOR THE NORTH AND SOUTH APPROACHES TO THE RR TRACK.

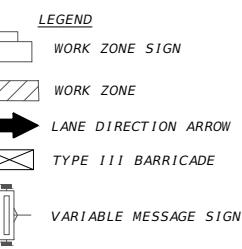
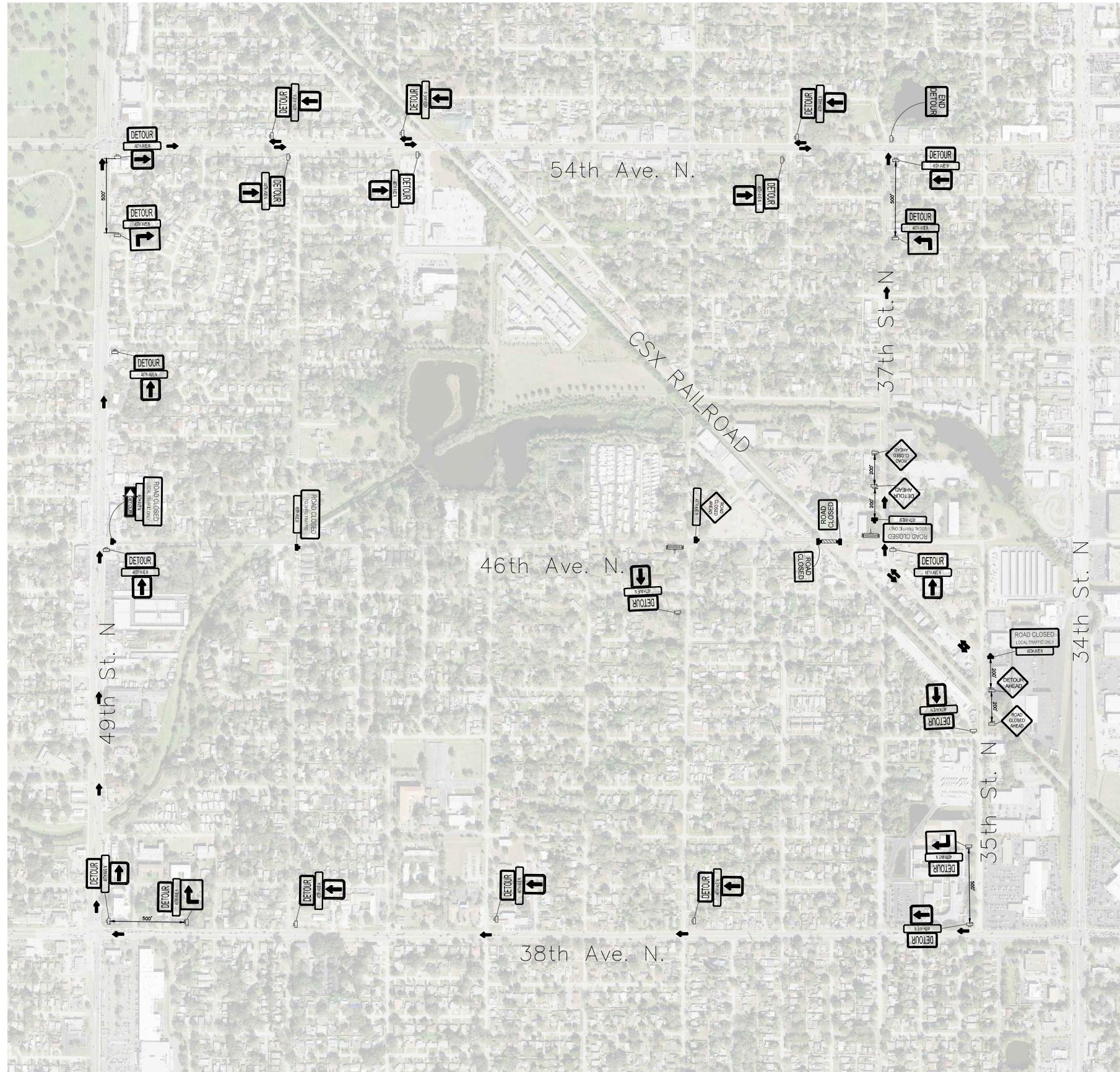
1. INSTALL DETOUR SIGNS PER DETOUR SHEET.
2. INSTALL DETOUR.
3. CLOSE ROADWAY TO THROUGH TRAFFIC. CONSTRUCT PROPOSED TRACK CROSSING DURING THE ROAD CLOSURE WHILE MAINTAINING LOCAL TRAFFIC USING THE PROPOSED DETOUR.
4. CONSTRUCT PROPOSED SIDEWALK AND CURB AND GUTTER.
5. CONSTRUCT ROADWAY OVERBUILD TO MATCH THE PROFILE OF THE CONSTRUCTED RR TRACK CROSSING.
6. REMOVE DETOUR AND OPEN ROADWAY TO TRAFFIC.

PHASE 2

THIS PHASE WILL RESURFACE 46<sup>TH</sup> AVENUE NORTH FROM 37<sup>TH</sup> STREET NORTH TO 35<sup>TH</sup> STREET NORTH.

1. MILL AND RESURFACE THE ROADWAY AS SHOWN IN THE CONSTRUCTION PLANS USING FDOT STANDARD PLANS 102-603.

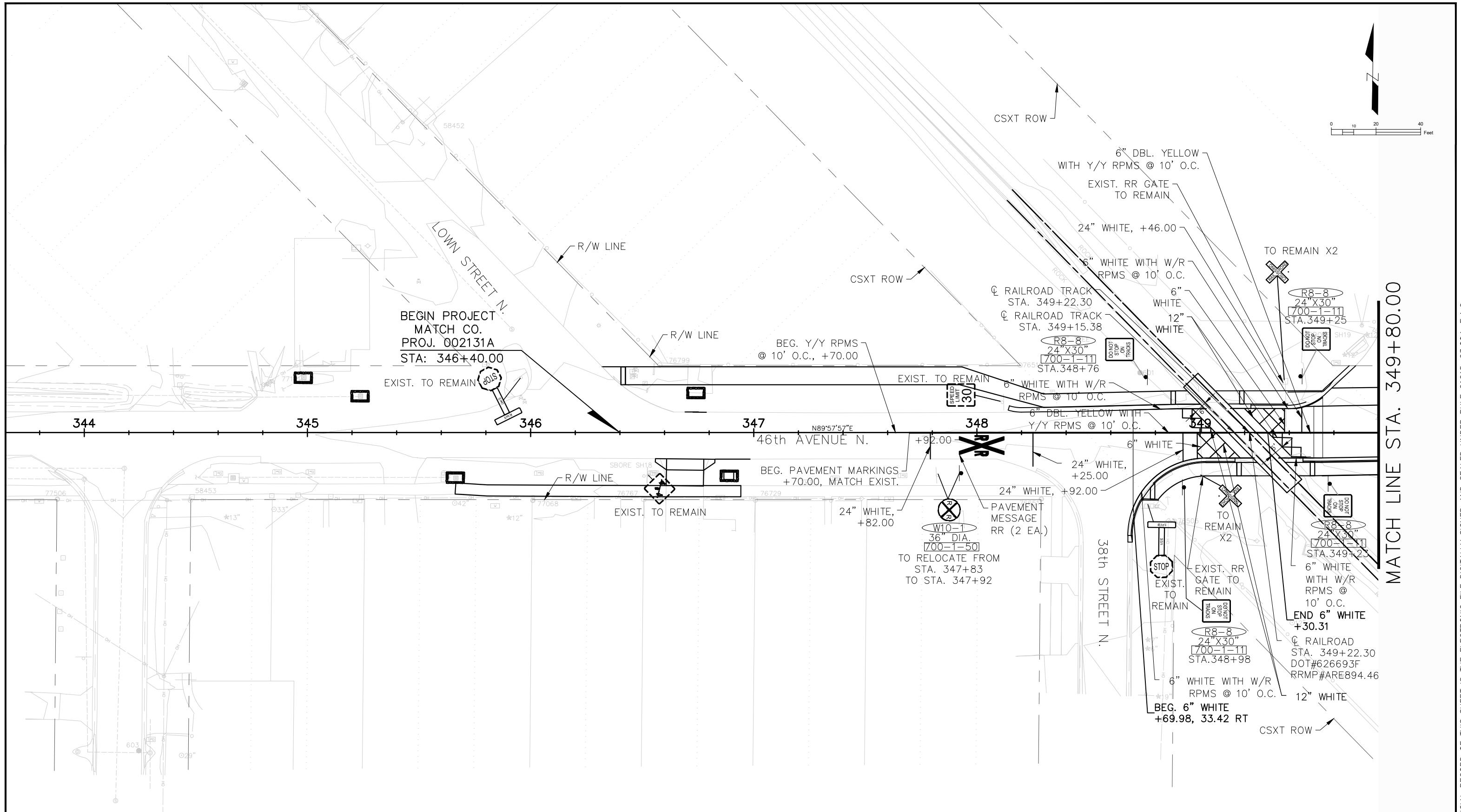
			DESIGNED JWD	DRAWN LKB	CHECKED JWJ		PROJECT: 46TH AVENUE EAST RAILROAD	DESCRIPTION: TTCP GENERAL / PHASE NOTES		DATE: NOV 2023	
REV. NO.	DATE	DESCRIPTION	REV. BY							PROJECT NO. 004678A	SHEET: 18 OF 26



DESIGNED	JWD	DRAWN	LKB	PROJECT:	46TH AVENUE EAST RAILROAD	DESCRIPTION:	DETOUR	DATE:	NOV 2023
DRAWN	LKB	REV. BY	JWJ	Pinellas County PUBLIC WORKS				PROJECT NO.	004678A
CHECKED								SHEET:	19 OF 26
REV. NO.	DATE	DESCRIPTION							

ENGINEER OF RECORD  
JASON W. DUNN, P.E.  
FLA. LIC. NO 65039



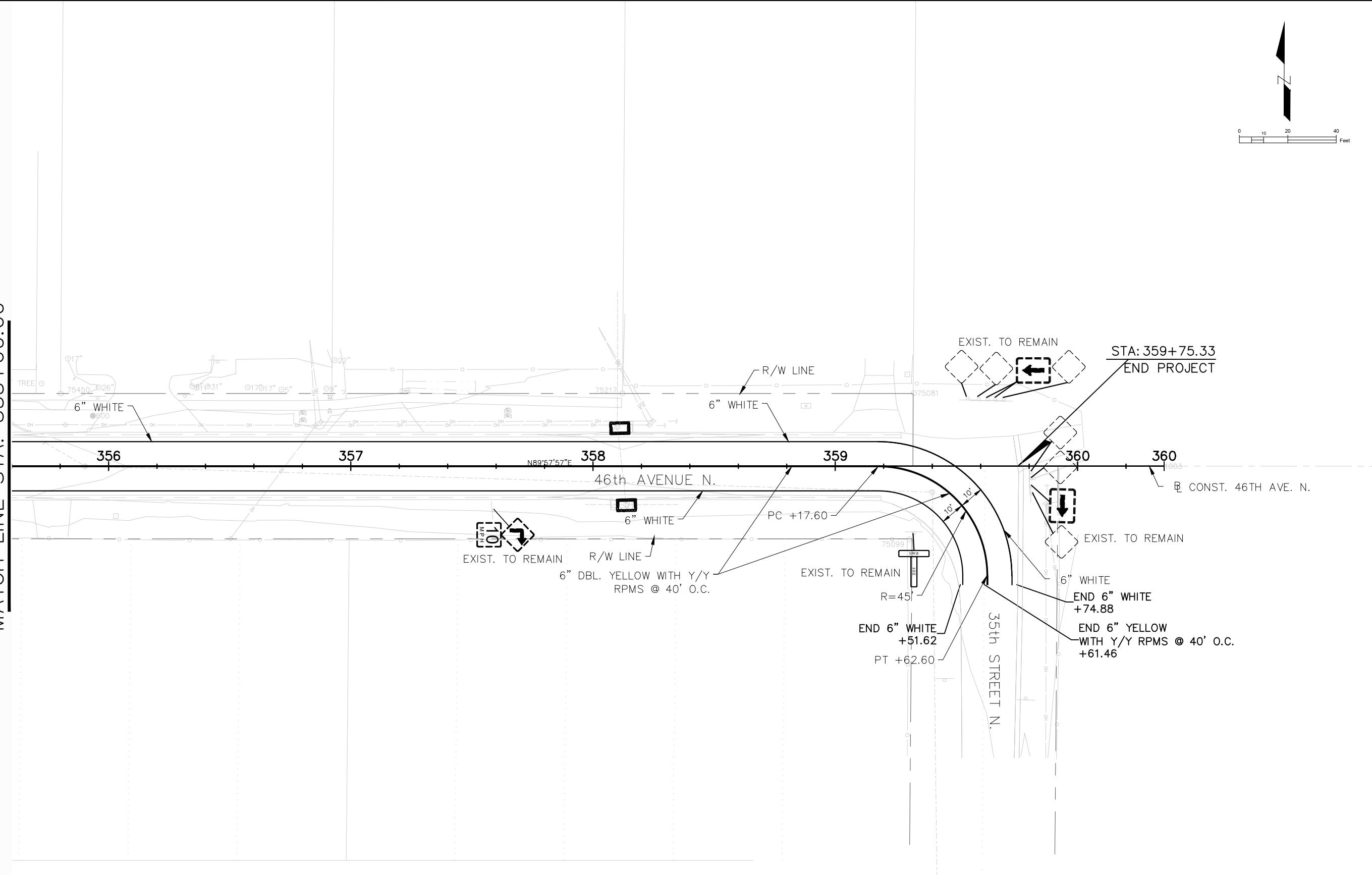


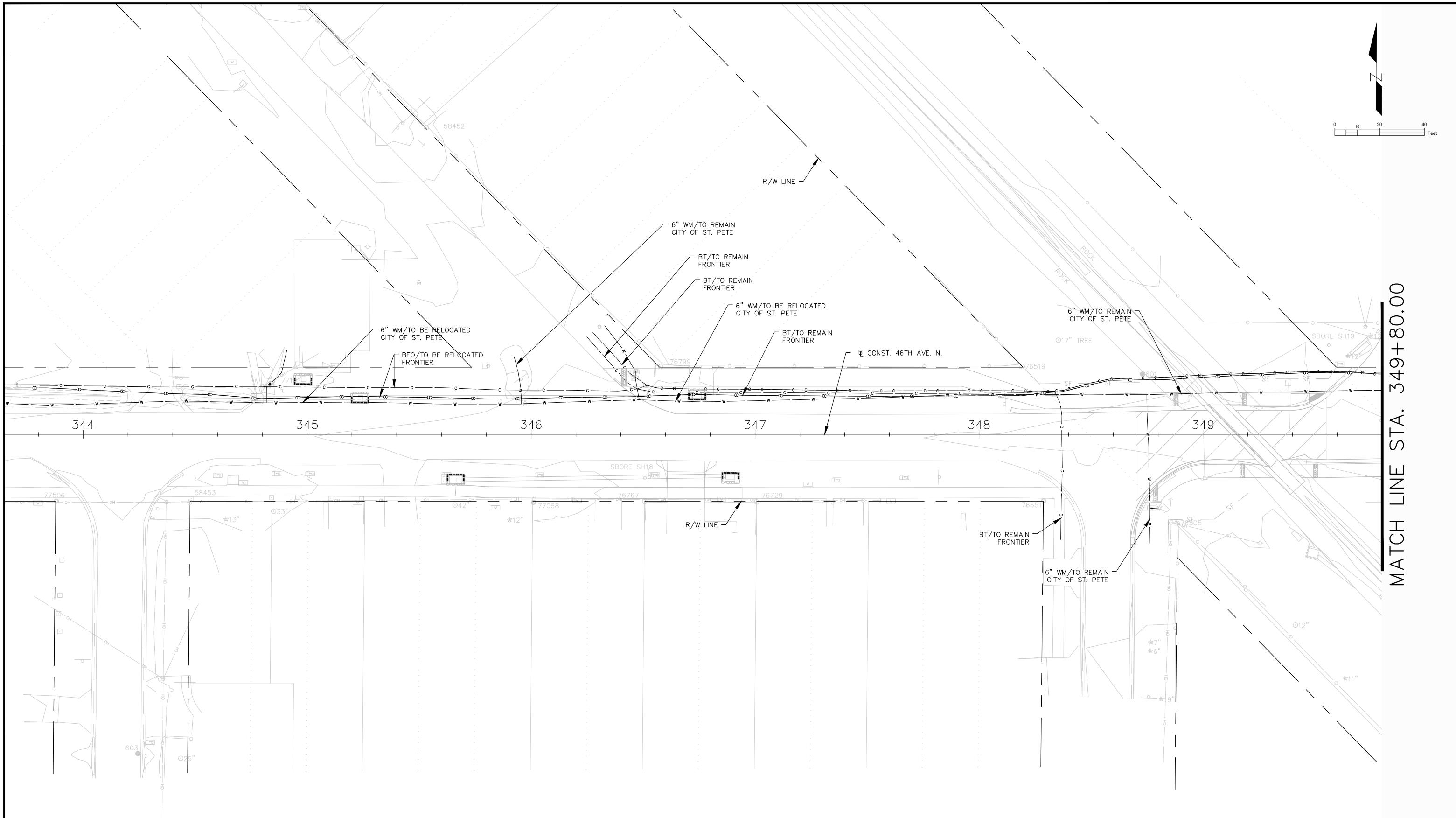
			DESIGNED DRAWN CHECKED	JWD LKB JWJ	 PROJECT: 46TH AVENUE EAST RAILROAD	DESCRIPTION: SIGNING AND PAVEMENT MARKINGS (1)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634		ENGINEER OF RECORD JASON W. DUNN, P.E. FLA. LIC. NO. 65039	DATE: NOV 2023 PROJECT NO. 004678A SHEET: 20 OF 26
REV. NO.	DATE	DESCRIPTION	REV. BY							



				DESIGNED JWD	PROJECT: 46TH AVENUE EAST RAILROAD	DESCRIPTION: SIGNING AND PAVEMENT MARKINGS (3)	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634	DATE: NOV 2023
				DRAWN LKB				PROJECT NO. 004678A
				CHECKED JWJ				SHEET: 22 OF 26

MATCH LINE STA. 355+60.00

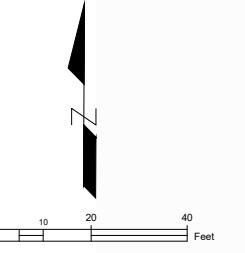




MATCH LINE STA. 349+80.00

## MATCH LINE STA. 349+80.00

## MATCH LINE STA. 355+60.00



MATCH LINE STA. 349+80.00

350

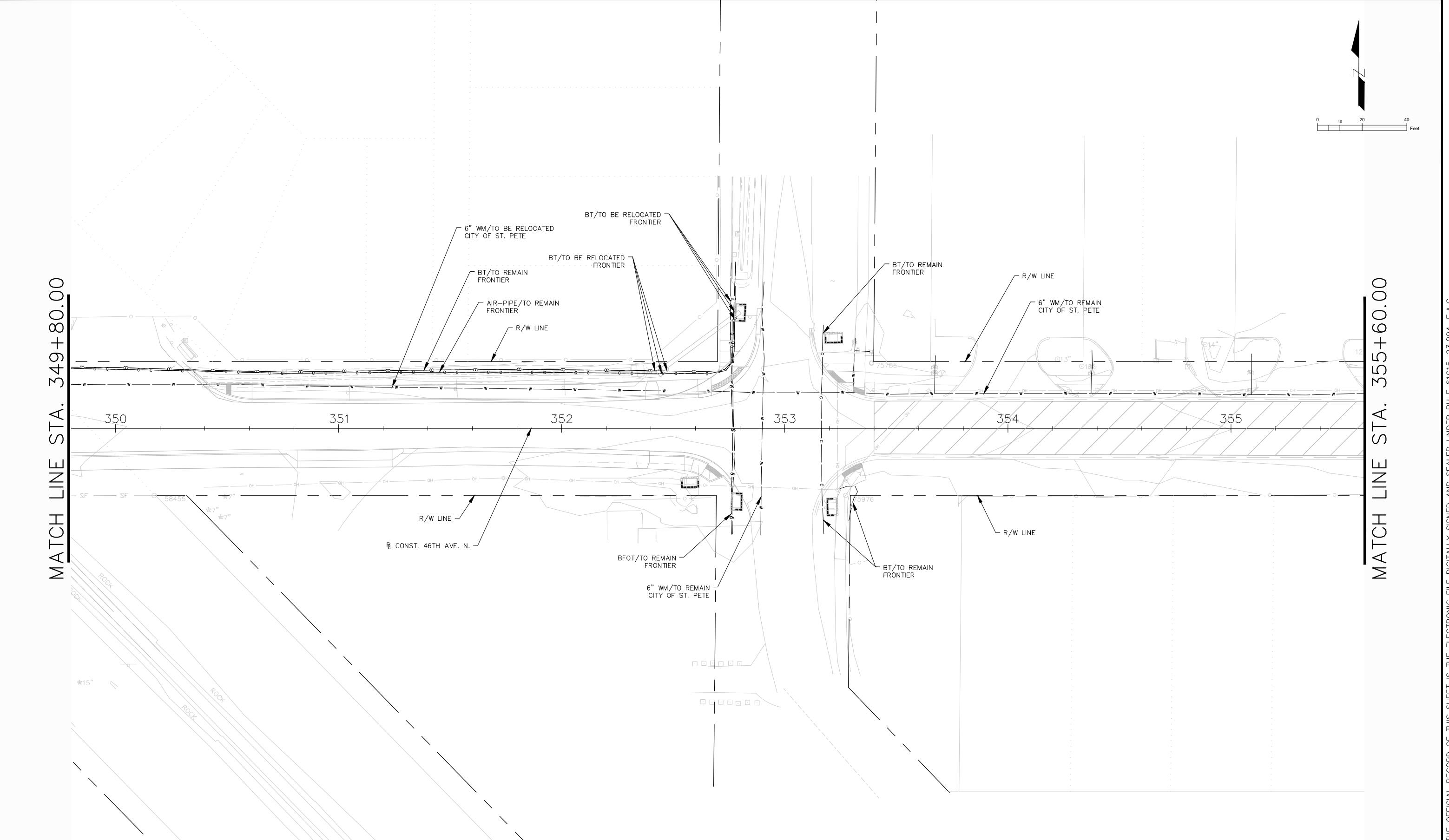
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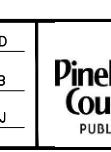
REV. BY

DESIGNED JWD

DRAWN LKB

DRAWN LKB

CHECKED JWJ



Pinellas  
County  
PUBLIC WORKS

PROJECT:

46TH AVENUE EAST  
RAILROAD

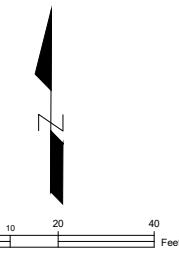
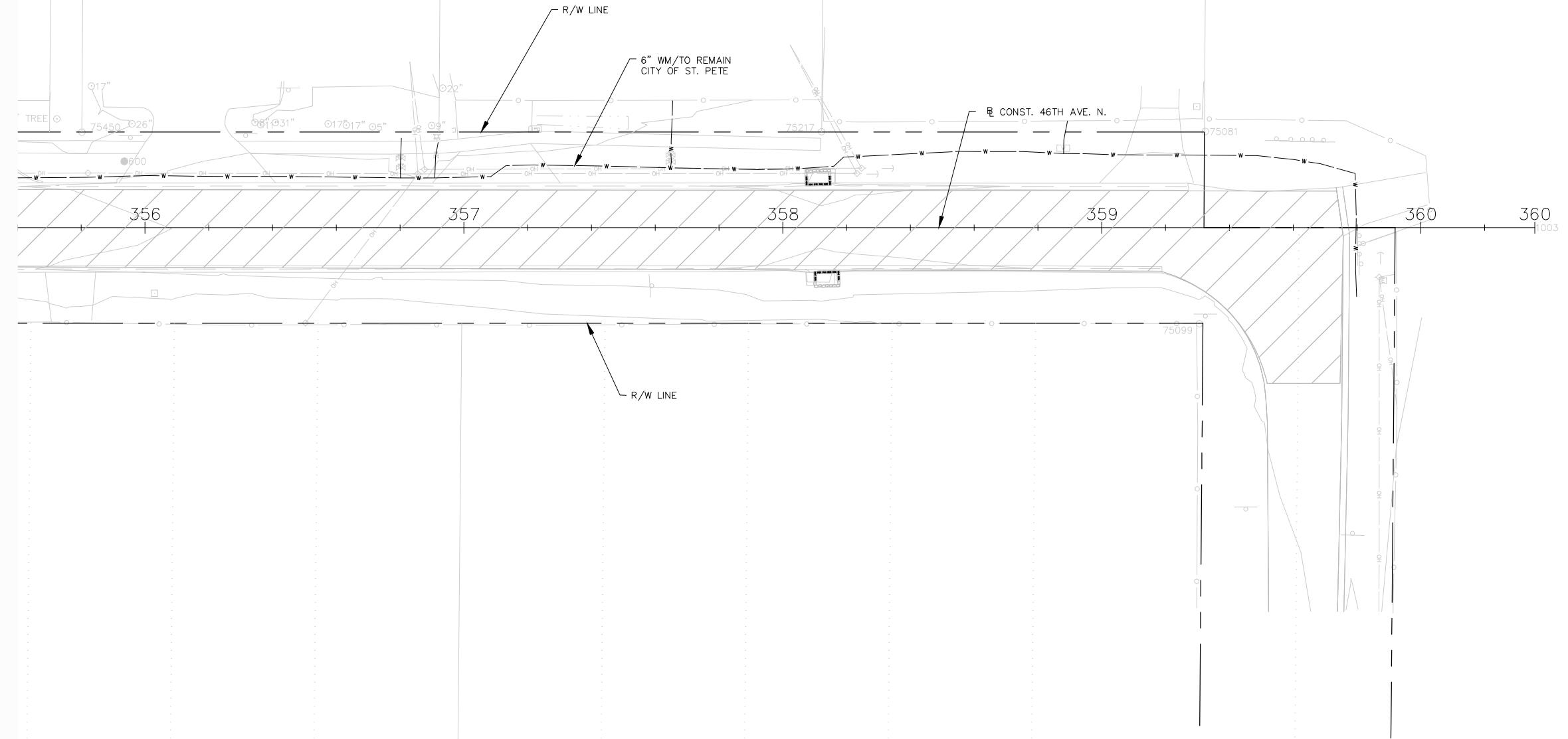
DESCRIPTION:

UTILITY ADJUSTMENT (2)

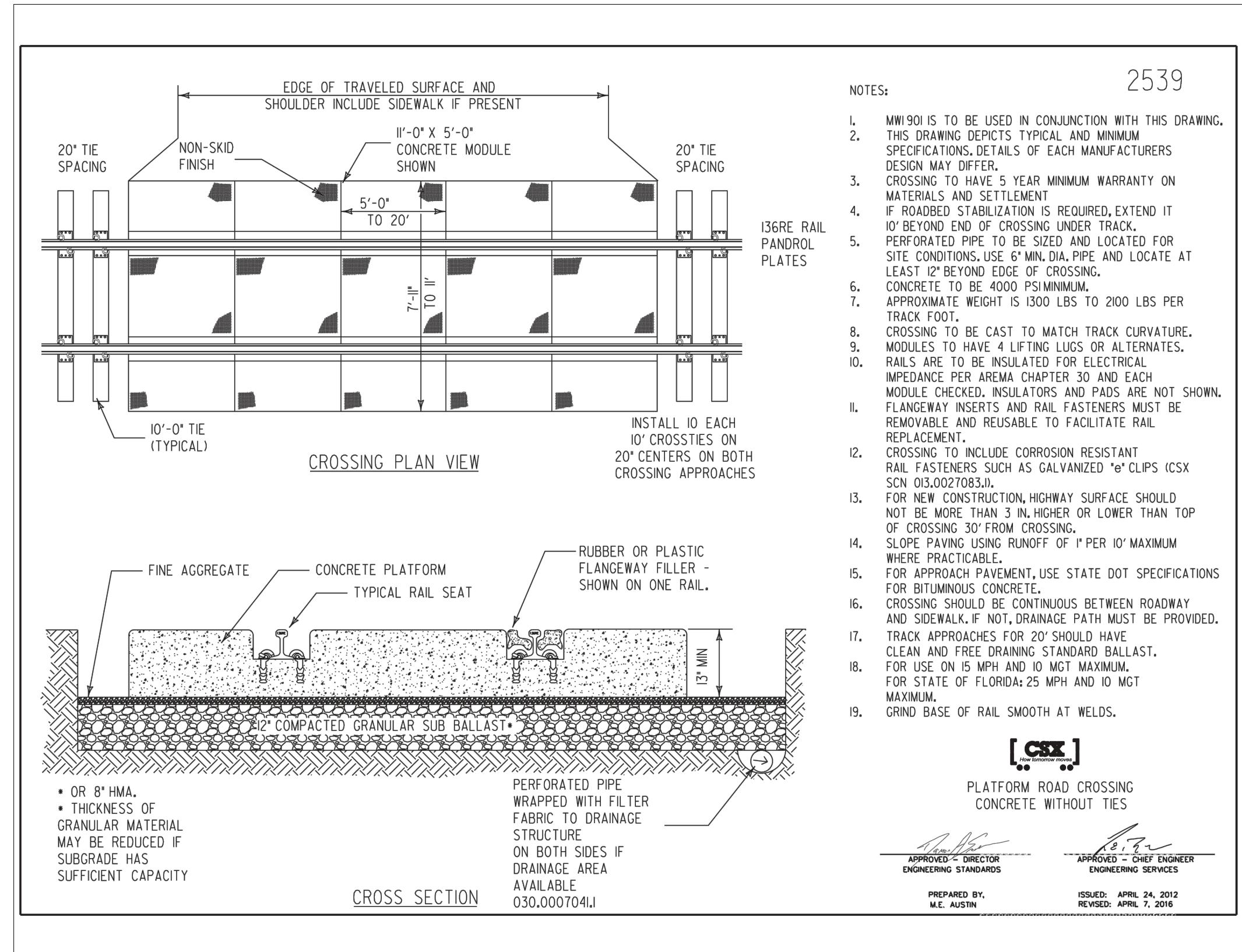
HARDESTY & HANOVER, LLC.  
5110 EISENHOWER BLVD.  
SUITE 310  
TAMPA, FL 33634



ENGINEER OF RECORD  
JASON W. DUNN, P.E.  
FLA. LIC. NO. 65039



				DESIGNED DRAWN CHECKED	JWD LKB JWJ	 PROJECT: <b>46TH AVENUE EAST RAILROAD</b>	DESCRIPTION:  <b>UTILITY ADJUSTMENT (3)</b>	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634		ENGINEER OF RECORD JASON W. DUNN, P.E. FLA. LIC. NO 65039	DATE: NOV 2023 PROJECT NO. 004678A SHEET: 25 OF 26
REV. NO.	DATE	DESCRIPTION	REV. BY								



PROVIDED BY COUNTY

DESIGNED JWD	DRAWN LKB	CHECKED JWJ	Pinellas County PUBLIC WORKS	PROJECT: 46TH AVENUE EAST RAILROAD	DESCRIPTION: CSXT TUB DETAIL	HARDESTY & HANOVER, LLC. 5110 EISENHOWER BLVD. SUITE 310 TAMPA, FL 33634	DATE: NOV 2023
REV. NO.	DATE	DESCRIPTION	REV. BY			ENGINEER OF RECORD JASON W. DUNN, P.E. FLA. LIC. NO 65039	PROJECT NO. 004678A SHEET: 26 OF 26