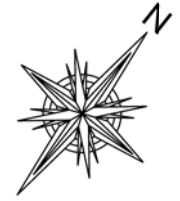


INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	COVER SHEET
2	LEGEND
3	TYPICAL SECTIONS - EXISTING
4	TYPICAL SECTIONS - PROPOSED
5	REMOVAL PLAN STA. 10+00 TO STA. 15+00
6	PLAN AND PROFILE STA. 10+00 TO STA. 15+00
7	REMOVAL PLAN STA. 15+00 TO STA. 20+00
8	PLAN AND PROFILE STA. 15+00 TO STA. 20+00
9	RAIL CROSSING DETAIL

CITY OF DETROIT PLANS FOR 24TH ST. JOB NO. : PW-6978

EXCEPT WHERE OTHERWISE INDICATED ON THESE PLANS, THE PROPOSAL, AND SUPPLEMENTAL SPECIFICATIONS CONTAINED HEREIN, ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION 2012 EDITION.

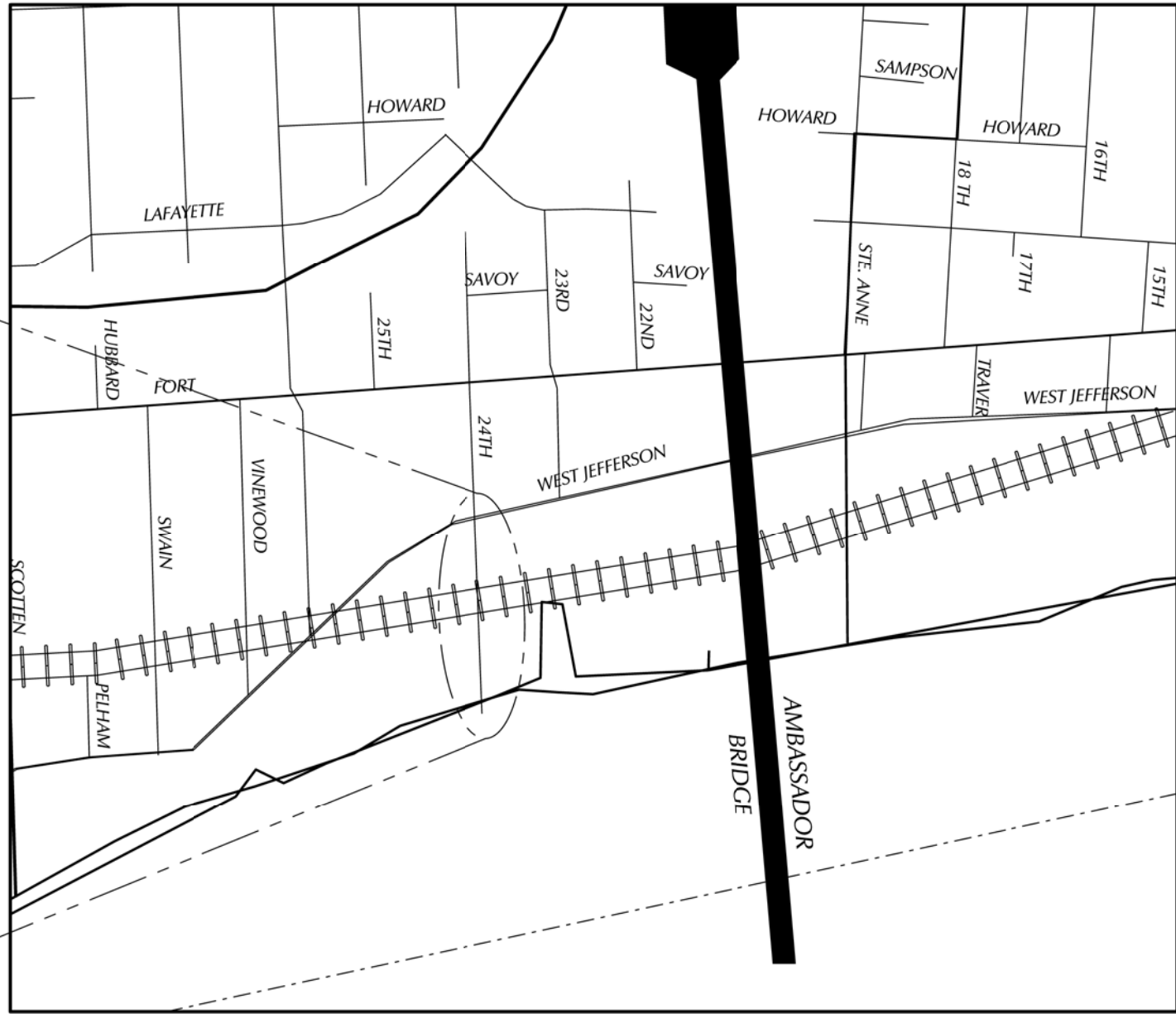
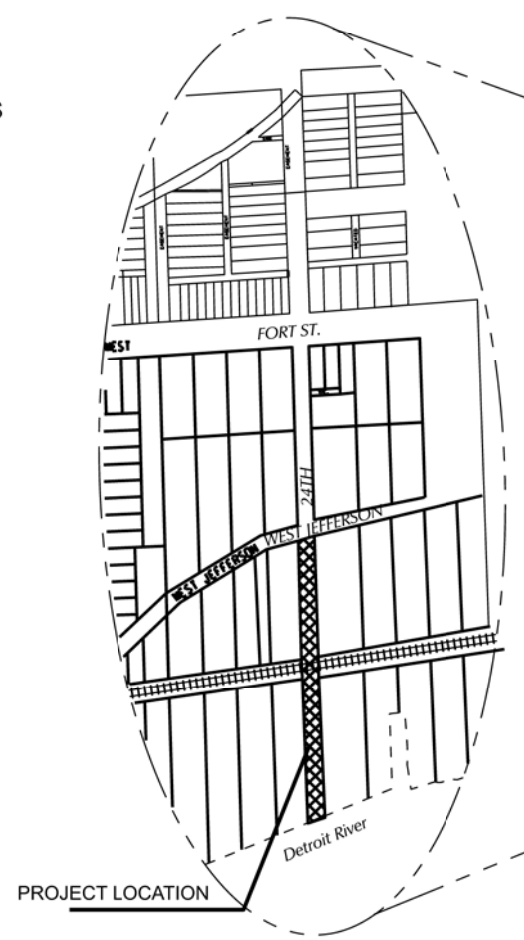
**FINAL
PLANS**



CITY OF DETROIT STANDARD PLANS

MDOT STANDARD PLANS

MDOT SPECIAL DETAILS



CONTRACT FOR RECONSTRUCTION OF 24TH ST FROM JEFFERSON TO THE DETROIT RIVER INCLUDING NEW RAILROAD CROSSING



**LOCAL AUTHORITY APPROVAL
CITY OF DETROIT
CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS**

APPROVED BY _____ DATE _____
RICHARD DOHERTY
CITY ENGINEER

APPROVED BY _____ DATE _____
STEVEN BANNASCH
ENGINEER SERVICES
COORDINATOR

PREPARED UNDER THE SUPERVISION OF

LICENSED PROFESSIONAL ENGINEER DATE _____

CITY OF DETROIT
ORGANIZATION

CITY ENGINEERING DIVISION, D.P.W.
2 WOODWARD AVE. SUITE 601 DETROIT MI 48216
ADDRESS

COVER SHEET

CONTROL SECTION	JOB NUMBER	FEDERAL NUMBERS PROJECT	ITEM	SHEET NO.
----	PW-6978			1 OF 9

DATE: October 15, 2020

DRAWN BY: SARMA AL TAMEEMI

FILE NAME: 19 PW-6978

WATER AND SEWER SYMBOLS

- (SM) SANITARY MANHOLE
- (ST) STORM SEWER MANHOLE
- (CB) STORM SEWER CATCH BASIN
- () HEADWALL
- (Δ) CULVERT END SECTION
- (⊖) WATER SERVICE CURB STOP BOX
- (⊗) WATER GATE VALVE AND BOX
- (⊙) WATER METER
- (⊙) WATER GATE WELL MANHOLE
- (⊙) FIRE HYDRANT
- (⊙) GROUND WATER MONITORING WELL
- (→) DRAINAGE FLOW ARROW
- (WT 0.00) WATER TABLE (PROFILES)
- (^) CHECK DAM (PROFILES)

UTILITY SYMBOLS

- (●) ELECTRICAL, GUY OR TELEPHONE POLE
- (ⓔ) ELECTRICAL MANHOLE
- (ⓔ) ELECTRICAL HANDHOLE
- (ⓔ) ELECTRICAL TRANSFORMER BOX
- (⊙) ELECTRIC & LIGHT POLE
- (ⓔ) LIGHT MANHOLE
- (ⓔ) LIGHT HANDHOLE
- (⊙) LIGHT POLE
- (ⓔ) LIGHT STANDARD
- (ⓔ) GENERIC UTILITY MANHOLE
- (ⓔ) TELEPHONE MANHOLE
- (ⓔ) TELEPHONE PEDESTAL
- (ⓔ) GAS LINE, PETROLEUM OR FIBER OPTIC MARKER
- (ⓔ) GAS VALVE
- (ⓔ) GAS FILLER PIPE
- (ⓔ) GAS WELL
- (ⓔ) OIL WELL
- (ⓔ) GUY ANCHOR
- (ⓔ) POWER TOWER

UTILITY LINESYLES

- ELECTRIC LINE
- ELECTRIC LINE OVERHEAD
- ELECTRIC LINE OUT OF SERVICE
- NATURAL GAS LINE
- NATURAL GAS LINE OUT OF SERVICE
- TELEPHONE LINE
- TELEPHONE LINE OVERHEAD
- TELEPHONE LINE OUT OF SERVICE
- CABLE TV LINE
- CABLE TV LINE OVERHEAD
- CABLE TV LINE OUT OF SERVICE
- FIBER OPTICS LINE
- FIBER OPTICS LINE OUT OF SERVICE
- WATER MAIN
- WATER MAIN ABANDON
- WATER MAIN OUT OF SERVICE

ROW AND PROPERTY LINESYLES

- FREE ACCESS ROW
- LIMITED ACCESS ROW
- GOVERNMENT LINE
- LEGAL PLAT LINES
- NON-LEGAL PLAT LINES
- LEGAL PARCEL LINES
- NON-LEGAL PARCEL LINES
- CITY LIMITS LINE

OTHER LINESYLES

- HEDGE LINE
- TREE LINE
- FENCE
- GUARDRAIL
- MEDIAN CABLE BARRIER
- SINGLE FACE CONC BARRIER
- DOUBLE FACE CONC BARRIER
- SOUND WALL
- SLOPE STAKE LINE
- DRAINAGE COURSE
- CULVERT/STORM/SANITARY SEWER
- CULVERT/STORM/SAN SEWER ABANDON
- CULV/STORM/SAN SEWER OUT OF SERVICE
- REM CURB OR CURB & GUTTER
- SWAMP AREA
- DELINEATED WETLANDS
- EROSION CONTROL SILT FENCE

PLAN SHEET PATTERNS

- HMA APPROACH/DRIVEWAY
- CONCRETE PAVEMENT BRIDGE APPROACH
- MISCELLANEOUS CONCRETE PAVEMENT
- REMOVING SIDEWALK
- REMOVING PAVEMENT
- COLD-MILLING (HMA/CONCRETE)
- HMA BASE CRUSH & SHAPE OR RUBBLIZE
- POTENTIALLY CONTAMINATED SITE

SIDEWALK RAMP PATTERNS

- DETECTABLE WARNING SURFACE
- SIDEWALK RAMP
- SIDEWALK LANDING

TYPICAL SECTION PATTERNS

- CONCRETE PAVEMENT
- HMA PAVEMENT (ALL)

SPECIAL LEGEND THIS PROJECT

NOTE: PROPOSED LINESYLES AND SYMBOLS ARE THE SAME AS EXISTING EXCEPT BOLD

REAL ESTATE & SURVEY SYMBOLS

- SECTION CORNER
- QUARTER CORNER
- QUARTER QUARTER CORNER
- HALF SECTION CORNER
- HALF QUARTER CORNER
- PROPERTY CORNER
- REFERENCE MARKER
- CONTROL POINT
- BENCH MARK
- PRESERVE MONUMENT BOX
- PROTECT MONUMENT CORNERS
- PROPERTY OWNERSHIP ARROW
- CONTIGUOUS PROPERTY SYMBOL
- PARCEL NUMBER BOX

MISCELLANEOUS SYMBOLS

- MAILBOX
- SIGN WITH ONE POST
- SIGN WITH TWO POSTS
- RIPRAP
- CONIFER TREE
- DECIDUOUS TREE
- SHRUB
- STUMP
- TEST HOLE NUMBER
- SIGN - CANTILEVER MOUNT
- SIGN - TRUSS MOUNT
- TRAFFIC FLOW ARROW
- EROSION CONTROL ITEM NUMBER (SEE STANDARD PLAN R-96 SERIES)

SHEET LABELING SYMBOLS

- (A) ABANDON
- (B) BULKHEAD
- (C) CLEARING
- (R) REMOVAL
- (S) SAVE
- (ADJ) ADJUST
- (SALV) SALVAGE
- (ADJ-) ADJUST DRAINAGE STRUCTURE W/COVER
- (REL-) RELOCATE W/CASE NUMBER
- (SWR-) SIDEWALK RAMP TYPE
- (ADJ-B/O) ADJUST BY OTHERS
- (REL-B/O) RELOCATE BY OTHERS

HAZARDOUS OR FLAMMABLE MATERIAL GAS AND ELECTRICAL LINES LABEL

CAUTION - CRITICAL UTILITY FIBER OPTIC, TELEPHONE LINES, AND WATER MAIN LABEL

TRAFFIC SYMBOLS

- PEDESTRIAN PUSH BUTTON
- PEDESTRIAN PEDESTAL
- PEDESTRIAN SIGNAL
- POLE MOUNTED SIGNAL CONTROLLER
- BASE MOUNTED SIGNAL CONTROLLER
- SIGNAL HANDHOLE
- SIGNAL MANHOLE
- POWER POLE W/PUSH BUTTON
- POWER POLE W/PEDESTRIAN SIGNAL
- PEDESTRIAN POLE W/PUSH BUTTON AND PEDESTRIAN SIGNAL
- STEEL SIGNAL POLE
- STEEL SIGNAL POLE W/PUSH BUTTON
- STEEL SIGNAL POLE W/PEDESTRIAN SIGNAL
- STEEL SIGNAL POLE W/PUSH BUTTON AND PEDESTRIAN SIGNAL
- STRAIN POLE FOR OH LIGHTS
- WOOD POLE
- RAILROAD SWITCH BOX
- FLASHING RAILROAD SIGNAL

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)

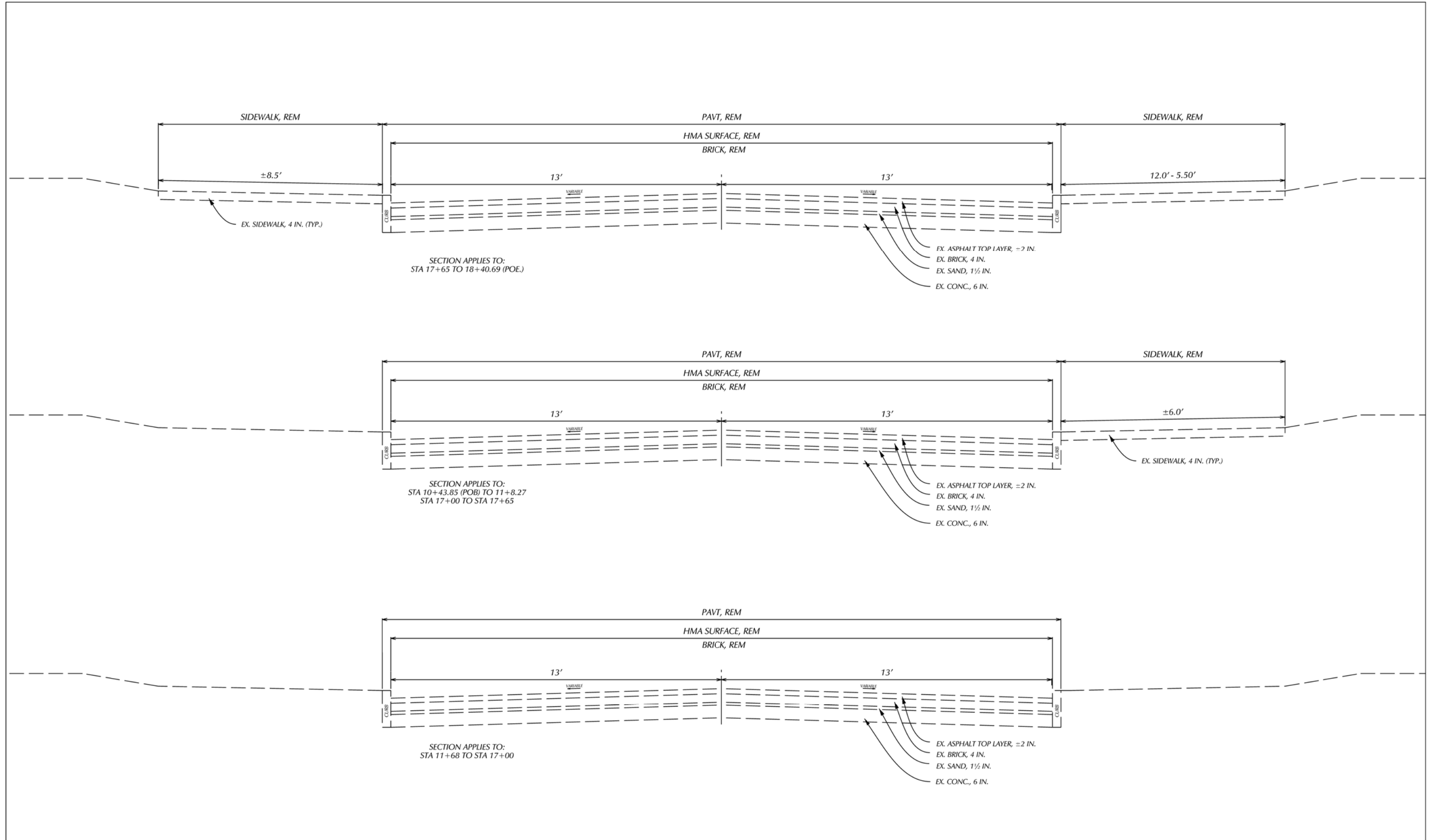
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



DESIGNED BY:	Abdul Siddiqui	APPROVED BY:	
DRAWN BY:	Sarmad Al Tameemi	DATE:	10 / 15 / 2020
CHECKED BY:			

CS:	
JN:	PW-6978

24TH ST. LEGEND	DRAWING	SHEET
		2 OF 9



FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)

NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



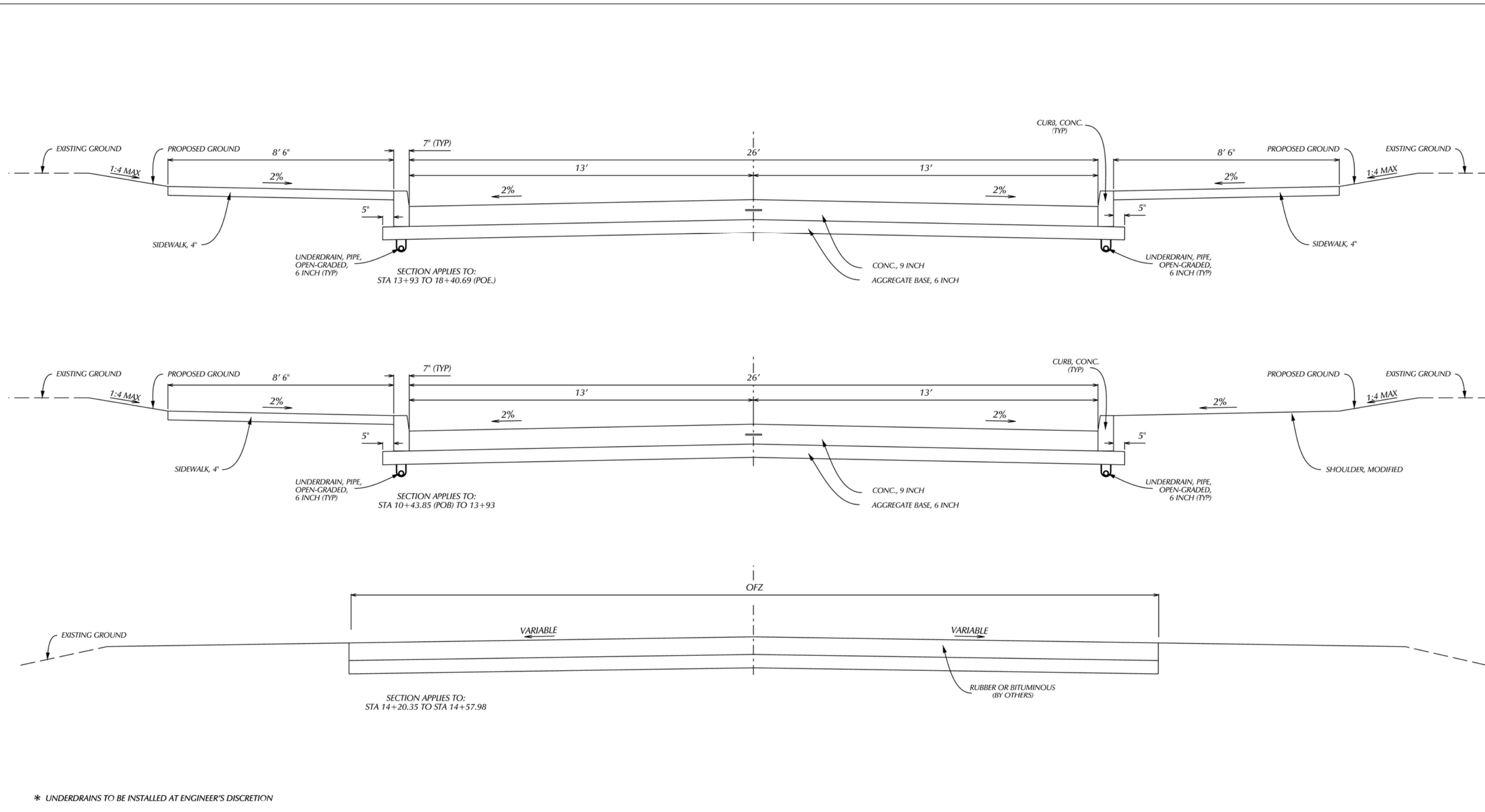
DESIGNED BY: Abdul Siddiqui
 DRAWN BY: Sarmad Al Tameemi
 CHECKED BY:

APPROVED BY:
 DATE: 10 / 15 / 2020

CS:
 JN: PW-6978

24TH ST.
 TYPICAL SECTIONS - EXISTING

DRAWING SHEET
 3 OF 9



* UNDERDRAINS TO BE INSTALLED AT ENGINEER'S DISCRETION

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)

NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



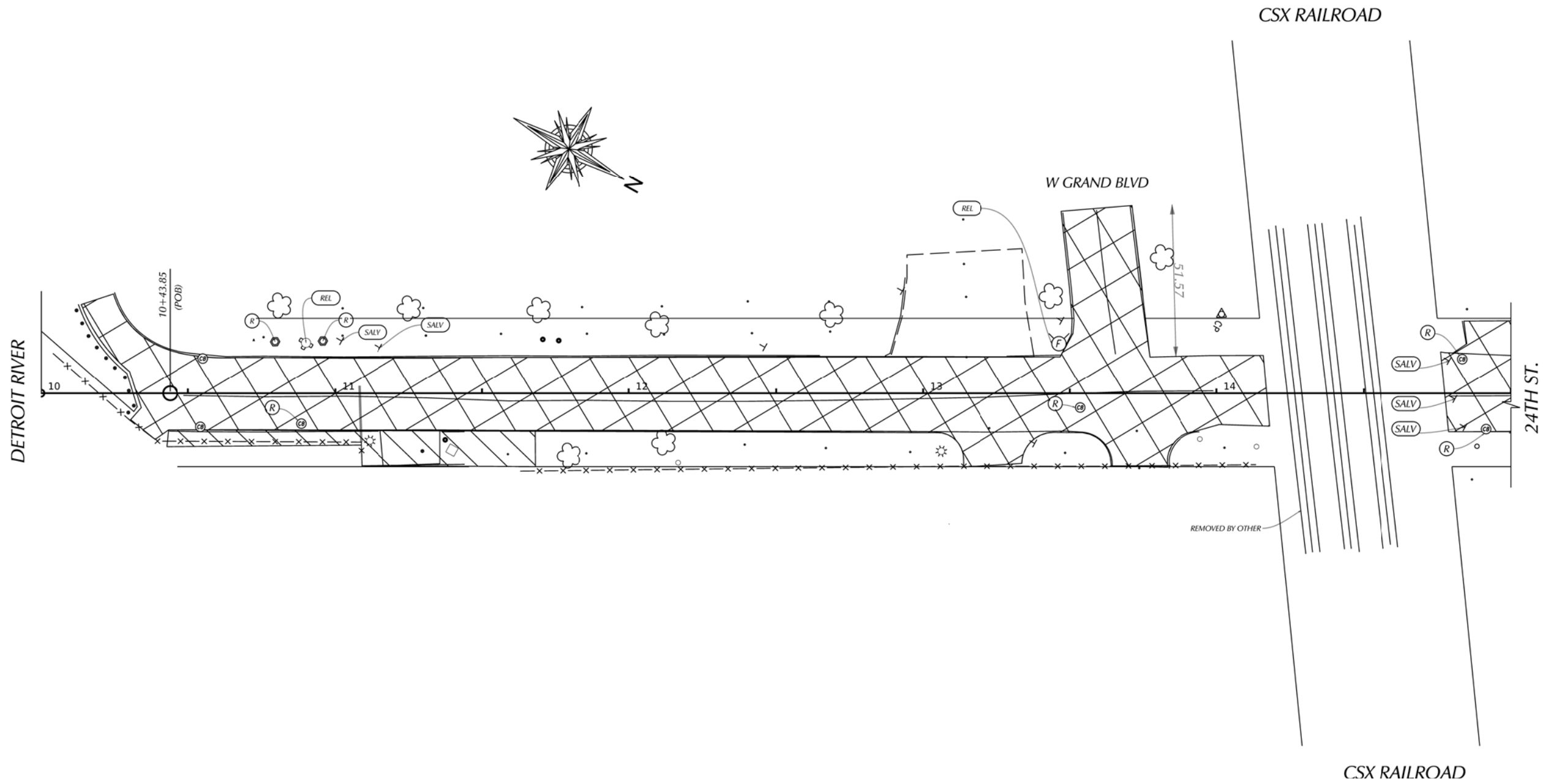
DESIGNED BY: Abdul Siddiqui
 DRAWN BY: Sarmad Al Tameemi
 CHECKED BY:

APPROVED BY:
 DATE: 10 / 15 / 2020

CS:
 JN: PW-6978

24TH ST.
 TYPICAL SECTIONS - PROPOSED

DRAWING SHEET
 4 OF 9



FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)

NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



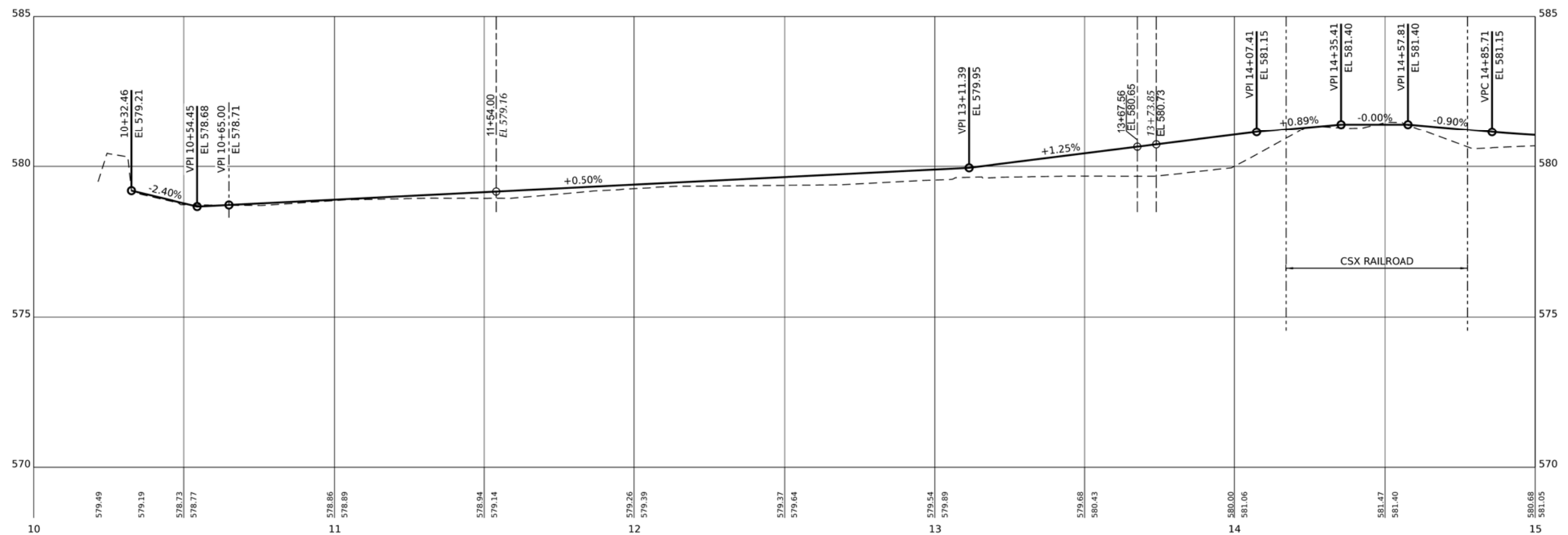
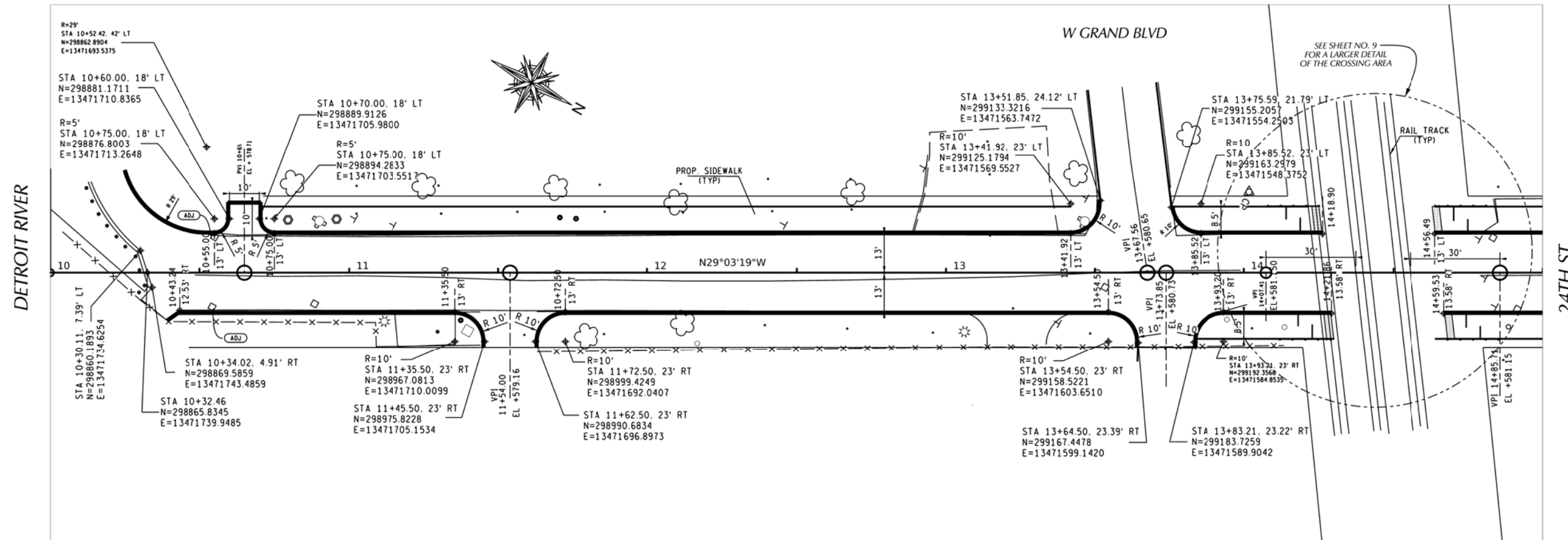
DESIGNED BY: Abdul Siddiqui
 DRAWN BY: Sarmad Al Tameemi
 CHECKED BY:

APPROVED BY:
 DATE: 10 / 15 / 2020

CS:
 JN: PW-6978

24TH ST.
 REMOVAL PLAN
 STA. 10+00 TO STA. 15+00

DRAWING SHEET
 5 OF 9



FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)

NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



SCALE
1"=40'

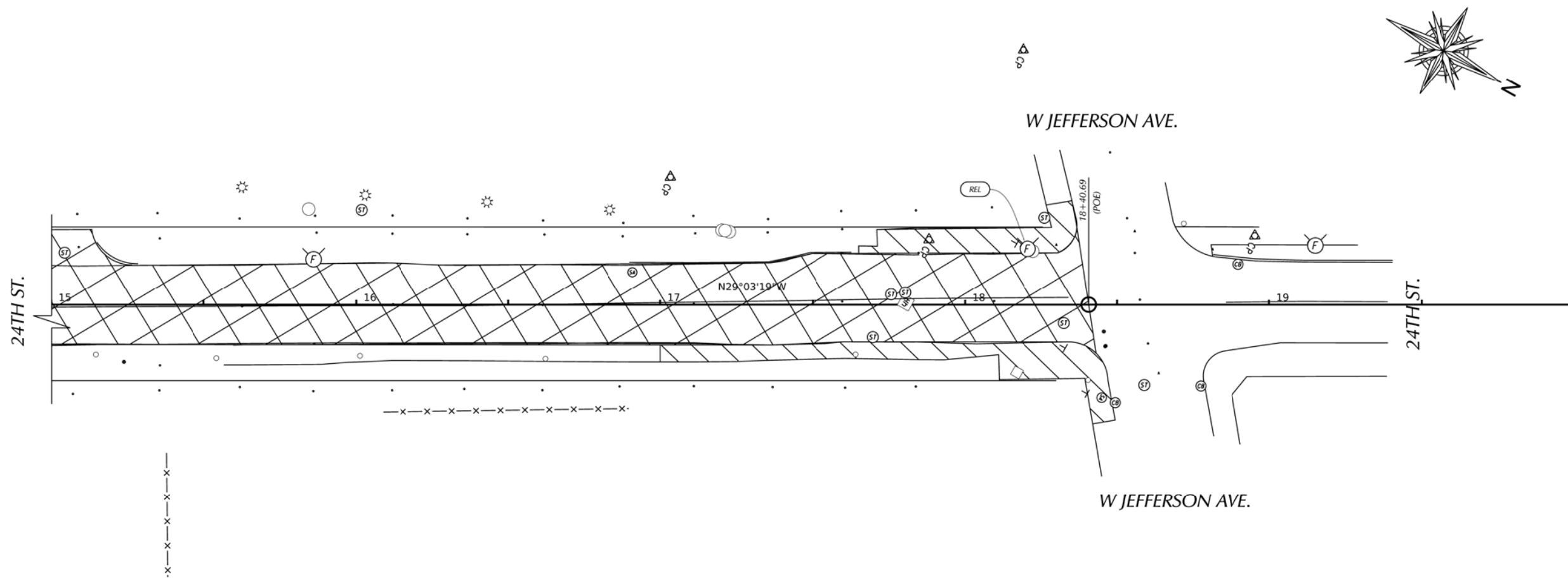
DESIGNED BY: Abdul Siddiqui
DRAWN BY: Sarmad Al Tameemi
CHECKED BY:

APPROVED BY:
DATE: 10/15/2020

CS:
JN: PW-6978

24TH ST.
PLAN AND PROFILE
STA. 10+00 TO STA. 15+00

DRAWING SHEET
6 OF 9



FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)

NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



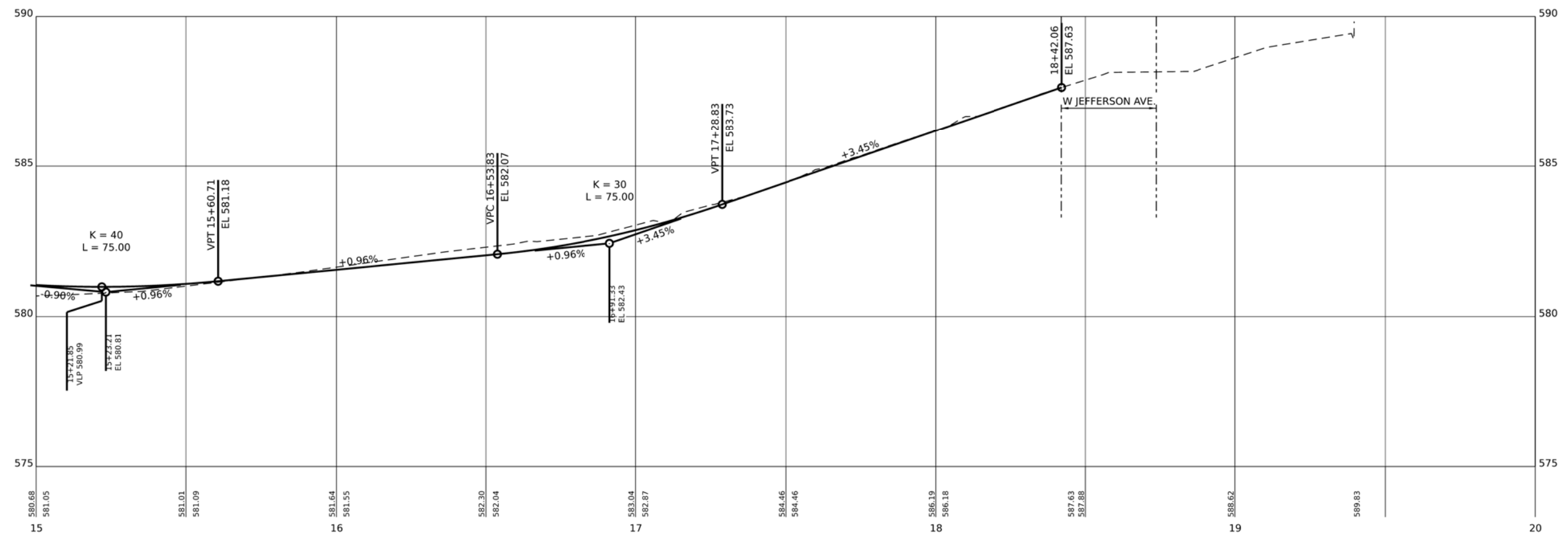
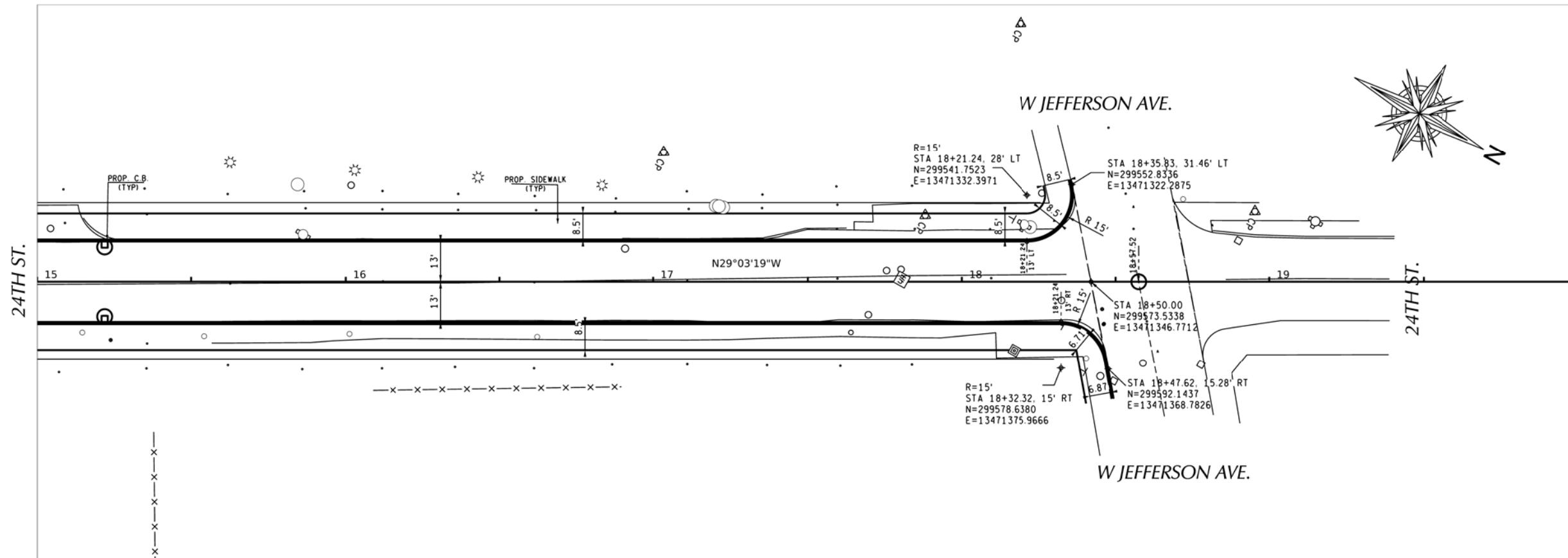
DESIGNED BY: Abdul Siddiqui
 DRAWN BY: Sarmad Al Tameemi
 CHECKED BY:

APPROVED BY:
 DATE: 10 / 15 / 2020

CS:
 JN: PW-6978

24TH ST.
 REMOVAL PLAN
 STA. 15+00 TO STA. 20+00

DRAWING SHEET
 7 OF 9



FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)

NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



SCALE
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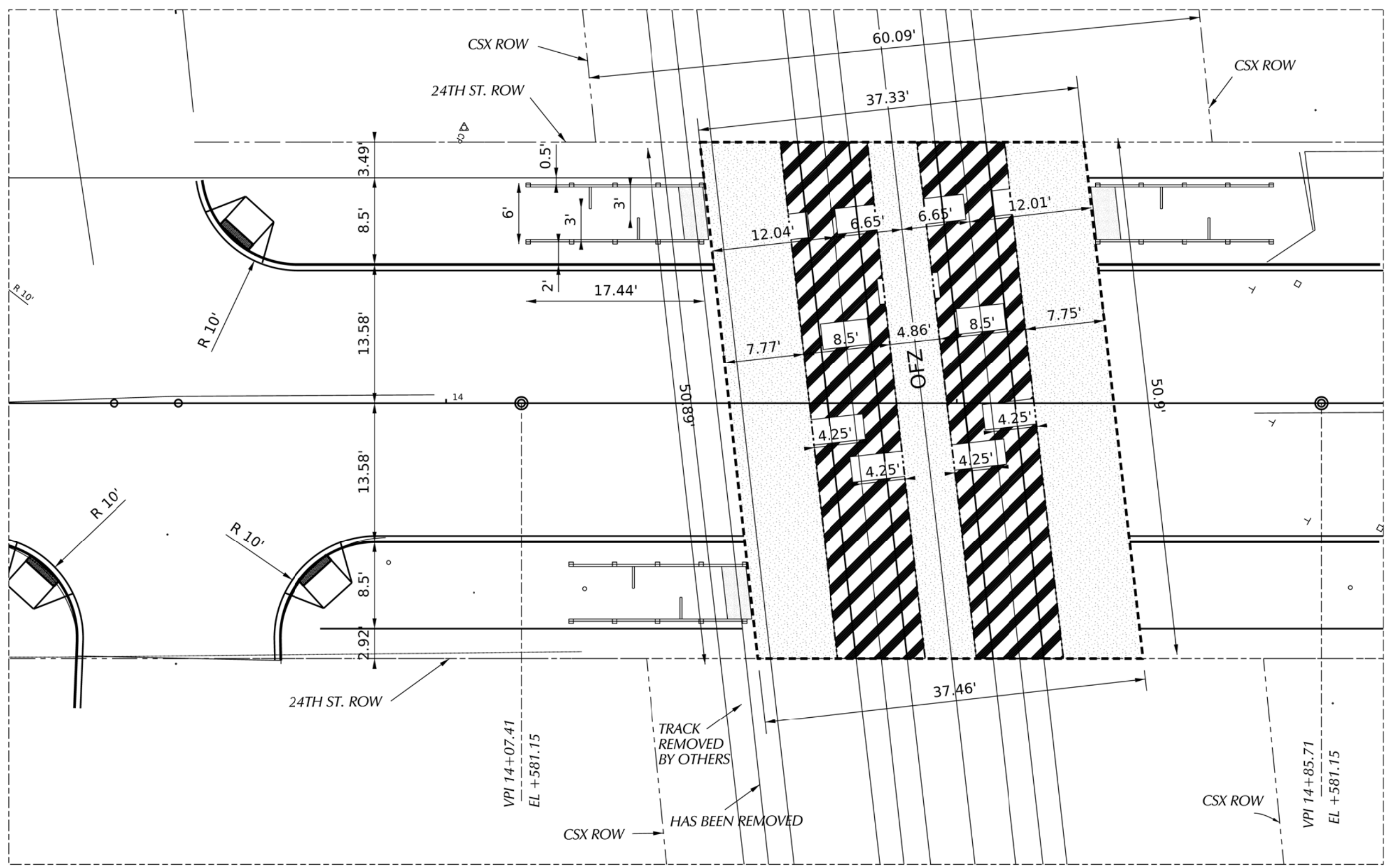
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DRAWN BY: Sarmad Al Tameemi
CHECKED BY:

APPROVED BY:
DATE: 10 / 15 / 2020

CS:
JN: PW-6978




PW-6978
PLAN AND PROFILE
STA. 15+00 TO STA. 20+00

DRAWING SHEET
8 OF 9



24TH ST.

LEGEND

-  OFZ LIMITS
-  RUBBER (BY OTHERS)
-  BITUMINOUS

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)							
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



NO SCALE

DESIGNED BY: Abdul Siddiqui
 DRAWN BY: Sarmad Al Tameemi
 CHECKED BY:

APPROVED BY:
 DATE: 10 / 30 / 2020

CS:
 JN: PW-6978

24TH ST.
 PLAN
 RAIL CROSSING DETAIL

DRAWING SHEET
 9 OF 9