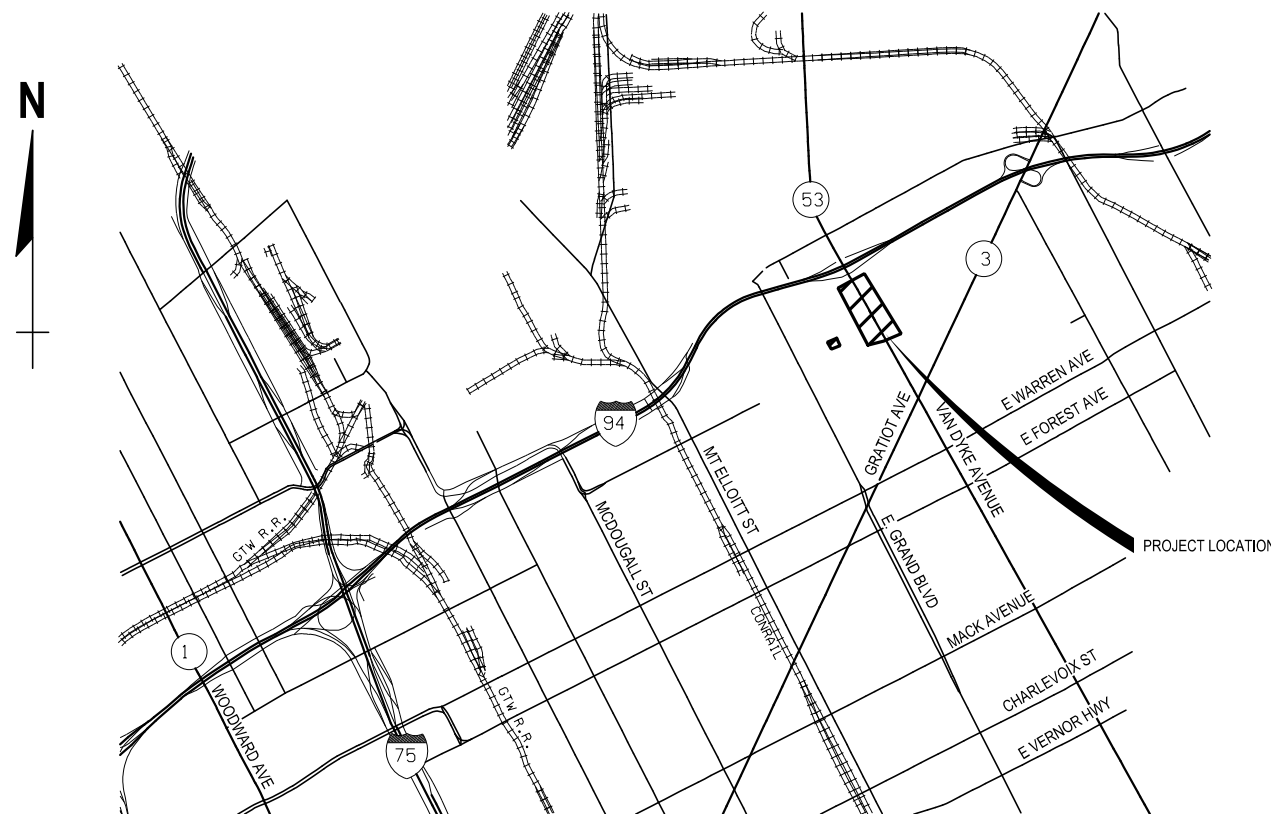
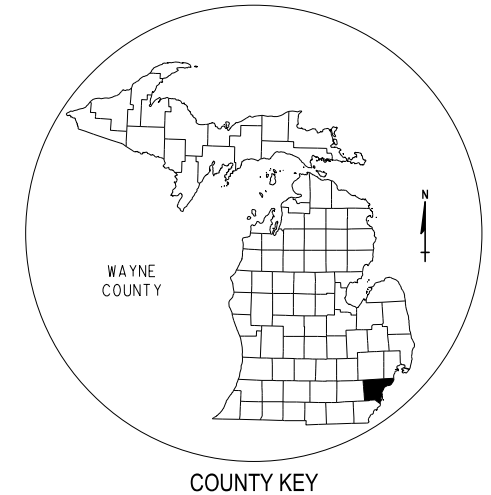


GENERAL NOTES:


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

ROAD	YEAR	TRAFFIC DATA			SPEED DATA		LIMITS
		ADT	DHV	COMM	DESIGN	POSTED	
VAN DYKE AVE	2020	9,000		2%	30 MPH	30 MPH	CONGER STREET TO MEDBURY STREET

CITY OF DETROIT
 IN COOPERATION WITH
MICHIGAN DEPARTMENT OF TRANSPORTATION
 PLANS OF
VAN DYKE ROADWAY IMPROVEMENTS
CONGER ST TO MEDBURY ST
CITY OF DETROIT
WAYNE COUNTY
PW#7027



THESE PLANS WERE PREPARED FOR THE MICHIGAN DEPARTMENT OF TRANSPORTATION BY


Mannik Smith GROUP
 TECHNICAL SKILL. CREATIVE SPIRIT.
 www.MannikSmithGroup.com

_____ DATE
 DAVE RYZYI, P.E. - DIRECTOR
 THE MANNIK & SMITH GROUP, INC.
 65 CADILLAC SQUARE, SUITE 3311
 DETROIT, MI 48226
 (313) 961-9500



LOCAL AUTHORITY APPROVAL
CITY OF DETROIT
 RECOMMENDED FOR APPROVAL BY:

_____ DATE
 RICHARD T. DOHERTY, P.E. - CITY ENGINEER

_____ DATE
 STEVEN R. BANNASCH, P.E. - ENGINEER SERVICES COORDINATOR

MILES: 0.15

CONTRACT FOR:
 CONSTRUCTION OF TWO RIGHT TURN LANES AND SIDEWALK IMPROVEMENTS ALONG VAN DYKE AVENUE BETWEEN CONGER STREET AND HENDRIE STREET.
 RECONSTRUCTION AND REALIGN INTERSECTION OF TOWNSEND AND MEDBURY.

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)				NO SCALE	DRAWN BY: ASH CHECKED BY: DAR FILE: D1110223_TITLE.DGN	DATE: 04/17/2020 DESIGN UNIT: TSC: DETROIT	CS: N/A JN: PW#7027	VAN DYKE ROADWAY IMPROVEMENTS TITLE SHEET	DRAWING M-53 TITLE 001	SHEET 1
NO.	DATE				AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION

PUBLIC UTILITIES

The existing utilities listed below and shown on these plans represent the best information available as obtained on our surveys. This information does not relieve the contractor of the responsibility to be satisfied as to its accuracy and the location of existing utilities.

Name Of Owner	Type Of Utility
AT&T Attention: Robert Lazarecky 54 N. Mill Street Pontiac, MI 48342 Phone: (586) 466-1047 Email: RL1714@att.com	Communications
Detroit Water & Sewer Attention: Janay Haughton 6425 Huber Street Detroit, MI 48211 Phone: (313) 267-1226 Email: janay.haughton@detroitmi.gov	Water and Sewer
Great Lakes Water Authority Attention: Anupam Kumar 6425 Huber Street Detroit, MI 48211 Phone: (313) 267-3698 Email: Anupam.Kumar@glwater.org	Sewer
DTE Attention: Michael Harrison 1 Energy Plaza Detroit, MI 48226 Phone: (313) 235-5111 Email: Michael.c.harrison@dteenergy.com	Gas
Public Lighting Authority Attention: Mukesh Patel 400 Monroe Street, #485 Detroit, MI 48226 Phone: (313) 558-0191 Email: mpatel@pladetroit.org	Lighting
Detroit Public Lighting Attention: Amy O'Rourke Phone: (586) 803-3516 Email: aorouke@urgllc.net	Lighting

NOTES APPLYING TO STANDARD PLANS

Where the following items are called for on plans, they are to be constructed according to the standard plan given below opposite each item unless otherwise indicated.

Title	Plan No.
ROAD	
DRAINAGE STRUCTURES	R-1-G *
COVER K	R-15-G *
SIDEWALK RAMP AND DETECTABLE WARNING DETAILS	R-28-J *
DRIVEWAY OPENINGS & APPROACHES AND CONCRETE SIDEWALK	R-29-I
CONCRETE CURB AND CONCRETE CURB & GUTTER	R-30-G
TRANSVERSE PAVEMENT JOINTS (PLAIN CONCRETE PAVEMENT)	R-39-K
LOAD TRANSFER ASSEMBLIES FOR TRANSVERSE JOINTS	R-40-H
LONGITUDINAL PAVEMENT JOINTS	R-41-H
TYPICAL JOINT LAYOUTS FOR CONCRETE PAVEMENT	R-42-F
LOCATION OF TRANSVERSE JOINTS IN PLAIN CONCRETE PAVEMENT	R-43-I
CONCRETE PAVEMENT REPAIR	R-44-F
GRANULAR BLANKET, UNDERDRAINS, OUTLET ENDINGS FOR UNDERDRAINS, AND SEWER BULKHEADS	R-80-E
UTILITY TRENCHES	R-83-C
SOIL EROSION & SEDIMENTATION CONTROL MEASURES	R-96-E
CHAIN LINK FENCE (USING TENSION WIRE)	R-98-B
SEEDING AND TREE PLANTING	R-100-H
SUPERELEVATION AND PAVEMENT CROWNS	R-107-H
PAVEMENT MARKINGS	
PAVEMENT ARROW AND MESSAGE DETAILS	PAVE-900-F
LONGITUDINAL LINE TYPES AND PLACEMENT	PAVE-905-D
RIGHT TURN LANE AND ISLAND PAVEMENT MARKINGS	PAVE-940-C
SIGNING	
STANDARD SIGN INSTALLATIONS	SIGN-100-G
SIGN LOCATION CODES PLACEMENT	SIGN-115-C
ROADSIDE SIGN LOCATIONS & SUPPORT SPACING	SIGN-120-E
SIGN SUPPORT SELECTION CHARTS	SIGN-150-D
STEEL POSTS	SIGN-200-E *

* Denotes Special Detail

MISCELLANEOUS QUANTITIES

The following items of work shall be done as they apply through the project. These items are not detailed or included in the plans sheets

1	LSUM	Mobilization, Max
1	LSUM	Minor Traf Devices
14	Ea	Erosion Control, Inlet Protection, Fabric Drop
800	Ft	Erosion Control, Silt Fence
50	Cyd	Subgrade Undercutting, Type II
14	Ea	Dr Structure Cleaning, Modified
725	Syd	Seeding, Mixture THM, Modified
5	Ea	Barricade, Type III, High Intensity, Lighted, Furn
5	Ea	Barricade, Type III, High Intensity, Lighted, Oper
50	Ea	Plastic Drum, High Intensity, Furn
50	Ea	Plastic Drum, High Intensity, Oper
2	Ea	Lighted Arrow Panel, Type C, Furn
2	Ea	Lighted Arrow Panel, Type C, Oper
242	Sft	Sign, Type B, Temp, Prismatic, Furn
242	Sft	Sign, Type B, Temp, Prismatic, Oper

SHEET INDEX

Section 1 - Road Plans	
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Typical Cross Sections	6,7
Survey Information	8
Alignment	9
Removal, Construction	10-15
Detail Grades	16-19
Permanent Signing/Pavement Marking	20,21

FUNDING CATEGORIES

PW#7027 Project Description
MDOT Grant TED-Category A
Grant # 1373 Section 01 and 03

WATER AND SEWER SYMBOLS	
SM	SANITARY MANHOLE
ST	STORM SEWER MANHOLE
CB	STORM SEWER CATCH BASIN
C	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

SHEET LABELING SYMBOLS	
Ⓐ	ABANDON
Ⓑ	BULKHEAD
Ⓒ	CLEARING
Ⓓ	REMOVAL
Ⓔ	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

UTILITY LINESYLES		
---	E	ELECTRIC LINE
---	E-OH	ELECTRIC LINE OVERHEAD
---	E	ELECTRIC LINE OUT OF SERVICE
---	G	NATURAL GAS LINE
---	G	NATURAL GAS LINE OUT OF SERVICE
---	T	TELEPHONE LINE
---	T-OH	TELEPHONE LINE OVERHEAD
---	T	TELEPHONE LINE OUT OF SERVICE
---	C	CABLE TV LINE
---	C-OH	CABLE TV LINE OVERHEAD
---	C	CABLE TV LINE OUT OF SERVICE
---	FO	FIBER OPTICS LINE
---	FO	FIBER OPTICS LINE OUT OF SERVICE
---	W	WATER MAIN
---	W	WATER MAIN ABANDON
---	W	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	
[Pattern]	HMA APPROACH/DRIVEWAY
[Pattern]	CONCRETE PAVEMENT BRIDGE APPROACH
[Pattern]	MISCELLANEOUS CONCRETE PAVEMENT
[Pattern]	REMOVING SIDEWALK
[Pattern]	REMOVING PAVEMENT
[Pattern]	COLD-MILLING (HMA/CONCRETE)
[Pattern]	HMA BASE CRUSH & SHAPE OR RUBBLIZE

SIDEWALK RAMP PATTERNS	
[Pattern]	DETECTABLE WARNING SURFACE
[Pattern]	SIDEWALK RAMP
[Pattern]	SIDEWALK LANDING

TYPICAL SECTION PATTERNS	
[Pattern]	CONCRETE PAVEMENT
[Pattern]	HMA PAVEMENT (ALL)

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
123456	PARCEL NUMBER BOX

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 SCALE

DRAWN BY: K.WEVER
 CHECKED BY: DAR
 FILE: 01110223_LEGEND001.DGN

DATE: 04/17/2020
 DESIGN UNIT:
 TSC:

CS:
 JN: PW#7027

LEGEND
 M-53 CONGER TO HENDRIE

DRAWING SHEET
 M-53 LEGEND 001 3

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

ELECTRICAL

- CONTROLLER CABINET - PAD MOUNTED
- HANDHOLE
- MANHOLE
- POLE UTILITY - EXISTING
- POLE UTILITY
- TRANSFORMER - PAD MOUNTED
- TRANSFORMER - POLE MOUNTED
- E — CABLE
- X — E — X — CABLE - TO BE REMOVED
- E-OH — CABLE OVERHEAD
- X — E-OH — X — CABLE OVERHEAD - TO BE REMOVED
- I — E — I — CABLE IN CONDUIT
- X — I — E — I — X — CABLE IN CONDUIT - TO BE REMOVED
- CABLE IN CONDUIT - DIRECTIONAL BORE

ARCHITECTURAL

- EXIT SIGN WITH EMERGENCY LIGHT
- LIGHT RECESSED FIXTURE
- MOTOR
- OUTLET BOX
- OUTLET SINGLE
- OUTLET TELEPHONE
- SERVICE DISCONNECT
- SERVICE METER
- SWITCH
- SWITCH THREE WAY
- WALL BRACKET FIXTURE

LIGHTING

- CONTROL PANEL - EXISTING
- CONTROL PANEL
- LIGHT STANDARD EXISTING - TO BE REMOVED & SALVAGED
- LIGHT STANDARD DOUBLE ARM - EXISTING
- LIGHT STANDARD DOUBLE ARM
- LIGHT STANDARD POST TOP - EXISTING
- LIGHT STANDARD POST TOP
- LIGHT STANDARD SINGLE ARM - EXISTING
- LIGHT STANDARD SINGLE ARM
- LIGHT POLE - TEMPORARY
- LUMINAIRE WALL MOUNTED UNDERBRIDGE - EXISTING
- LUMINAIRE WALL MOUNTED UNDERBRIDGE
- TOWER LIGHTING UNIT - EXISTING
- TOWER LIGHTING UNIT

ITS / SIGNALS

- DYNAMIC MESSAGE SIGN - EXISTING
- DYNAMIC MESSAGE SIGN
- ENVIRONMENTAL SENSOR STATION SITE
- FIBER OPTIC SPLICE CABINET
- HANDHOLE, ROUND, 3 FOOT DIAMETER
- HANDHOLE, ROUND, COMMUNICATIONS
- HANDHOLE, ROUND, ELECTRIC
- HANDHOLE, TYPE D
- ITS CABINET - EXISTING
- ITS CABINET
- MICROWAVE VEHICLE DETECTION SYSTEM - EXISTING
- MICROWAVE VEHICLE DETECTION SYSTEM
- MICROWAVE VEHICLE DETECTION SYSTEM ZONE COVERAGE - EXISTING
- MICROWAVE VEHICLE DETECTION SYSTEM ZONE COVERAGE
- SPUN CONCRETE POLE - EXISTING
- SPUN CONCRETE POLE
- SURVEILLANCE SYSTEM - EXISTING
- SURVEILLANCE SYSTEM
- WIRELESS LINK - EXISTING
- WIRELESS LINK
- COMMUNICATIONS CABLE IN CONDUIT
- COMMUNICATIONS CABLE IN CONDUIT - TO BE REMOVED

- ANTENNA
- CASE SIGN (1-WAY OR 2-WAY)
- CASE SIGN (4-WAY)
- DEDICATED SHORT RANGE COMMUNICATIONS
- CONTROLLER CABINET - POLE MOUNTED
- CONTROL EMERGENCY PREEMPTION OPTICOM
- DILEMMA ZONE DETECTION
- GLOBAL POSITIONING SYSTEM MODULE
- GUY ANCHOR
- PEDESTRIAN PEDESTAL
- PEDESTRIAN PUSHBUTTON
- POLE MAST ARM (LENGTH VARIES) - EXISTING
- POLE MAST ARM (LENGTH VARIES)
- POLE STRAIN
- ROAD SIGN W/ FLASHING SIGN OPTICAL (1-WAY)
- SIGNAL HANDHOLE - POLYMER CONCRETE
- SIGNAL HANDHOLE - 2 FOOT ROUND
- SIGNAL HANDHOLE - 3 FOOT ROUND
- SIGNAL HANDHOLE - 2 FOOT SQUARE
- SIGNAL HANDHOLE - 4 FOOT SQUARE
- SIGNAL HEAD PEDESTRIAN - EXISTING
- SIGNAL HEAD PEDESTRIAN 1-WAY
- SIGNAL HEAD PEDESTRIAN 2-WAY
- SIGNAL HEAD VEHICLE 1-WAY - EXISTING
- SIGNAL HEAD VEHICLE 2-WAY - EXISTING
- SIGNAL HEAD VEHICLE 3-WAY - EXISTING
- SIGNAL HEAD VEHICLE 4-WAY - EXISTING
- SIGNAL HEAD VEHICLE 1-WAY
- SIGNAL HEAD VEHICLE 2-WAY
- SIGNAL HEAD VEHICLE 3-WAY
- SIGNAL HEAD VEHICLE 4-WAY
- SIGNAL HEAD VEHICLE BAGGED
- SIGNAL HEAD VEHICLE PROGRAMMABLE
- VEHICLE DETECTION CAMERA
- VEHICLE DETECTION CAMERA - HEMISPHERICAL
- VEHICLE DETECTION LOOP
- VEHICLE DETECTION - RADAR
- WIRELESS VEHICLE DETECTION RADIO RECEIVER
- WIRELESS VEHICLE DETECTION RADIO REPEATER
- WIRELESS VEHICLE DETECTION SENSOR - EXISTING
- WIRELESS VEHICLE DETECTION SENSOR

CABLING / WIRING DIAGRAM

- CIRCUIT BREAKER
- COILED WIRE
- FUSE
- FUSE SWITCH
- GROUND
- ILLUMINATED CASE SIGN
- METER
- SERVICE DISCONNECT
- SIGNAL HEAD

NOTE:
EXISTING ITEMS ARE REPRESENTED BY THIN LINE WEIGHTS.
PROPOSED ITEMS ARE REPRESENTED BY HEAVIER LINE WEIGHTS.

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



NO SCALE

DRAWN BY: K.WEVER
CHECKED BY: DAR
FILE: D1170223_Legend002.dgn

DATE: 04/17/2020
DESIGN UNIT:
TSC:

CS:
JN: PW#7027

LEGEND
M-53 CONGER TO HENDRIE

DRAWING	SHEET
M-53 LEGEND 002	4

GENERAL NOTES

UTILITIES

MISS DIG/UNDERGROUND UTILITY NOTIFICATION

For the protection of underground utilities and in conformance with Public Act 174 of 2013, the Contractor shall contact MISS DIG System, Inc. by phone at 811 or 800-482-7171 or via the web at either elocate.missdig.org for single address or rte.missdig.org, a minimum of 3 business days prior to excavating, excluding weekends and holidays.

OUT OF SERVICE UTILITIES

If plan information indicates an existing underground utility is or will be out of service within the limits of this contract, the Contractor is cautioned to treat such a line as if it were still in service and notify "Miss Dig" when working in the area of the out of service facility.

EXISTING WATER MAINS AND SEWERS

The Contractor shall be responsible for any damage to properly identified existing water mains and/or existing sewers during the construction of this project.

ROW / REAL ESTATE

PROPERTY OWNERS

Property owner's names, where shown, are for information only, and their accuracy is not guaranteed.

MARKETABLE TIMBER

Marketable timber shall be made available to the property owner in accordance with Section 201.03 of the 2012 Standard Specifications for Construction.

LAWN SPRINKLER SYSTEMS AND LANDSCAPING

Owners of existing lawn sprinkler systems and/or landscaping shall be notified (in writing with a copy sent to the Engineer) by the Contractor two weeks in advance of any work to be done that will affect those systems and/or landscaping. If the property owner fails to relocate the lawn sprinkler system prior to the Contractor beginning work, and if the Contractor cuts the system during the construction, the Contractor shall cap the system pipe and witness the location of the cap with a wooden stake for the property owner's use. The Contractor shall place the salvaged sprinkler heads on the property owner's property. If the property owner fails to relocate the landscaping prior to the Contractor beginning work, the Contractor shall carefully salvage the landscaping items and stockpile them on the property owner's property for the property owner. Any other modification to the lawn sprinkler systems and/or landscaping is the responsibility of the owner and is not part of this contract. This work is included in other items of the project.

SURVEY

ADJUSTING MONUMENT BOXES

All government corners on this project shall be preserved, whether shown or not. It may be necessary to place or adjust monument boxes, as required.

STATIONING

Stationing on this project was taken from old plans and pavement stenciled stationing and is not necessarily accurate.

DETAILED GRADES

GRADES FOR INTERSECTIONS

All intersections are to be considered as complete units and their grades determined before construction is started.

SIGNALIZED SIDE ROAD TO TRUNK LINE INTERSECTIONS:

The normal edge of pavement grade of the proposed trunk line adjacent to the side road intersection shall be carried across the intersection wherever possible. The side road approach grade and crown shall be established to provide for drainage and to assure suitable rideability of the side road.

SIGNALIZED TRUNK LINE TO TRUNK LINE INTERSECTIONS:

The grades to be established shall provide for drainage and rideability of each trunk line. Crowns may be varied on each trunk line to best fit the longitudinal grades of each trunk line.

UNSIGNALIZED SIDE ROAD TO TRUNK LINE INTERSECTIONS:

The normal edge of pavement grade of the proposed trunk line adjacent to the side road intersection shall be carried across the intersection. The side road approach grade and crown shall be established to provide for drainage.

SIDEWALK AND SIDEWALK RAMP GRADES

All sidewalk and sidewalk ramp grades shall be staked according to Standard Plan R-28 series and as shown on the plans. Prior to constructing the sidewalk and sidewalk ramps, the Engineer will verify the grades and authorize the construction of the sidewalk and sidewalk ramps.

EARTHWORK

EARTHWORK

Earthwork quantities are computed based upon limited survey information. These quantities are for bidding purposes only and will be adjusted by the Engineer based upon actual field measurements.

SLOPES

Class A slopes shall be constructed on this project.

EARTH DISTURBANCE LIMITS

The earth disturbance limit for this project will be limited to 10' beyond the slope stake line or to the ROW line whichever is less for all areas except for wetland areas. For areas adjacent to wetlands, the earth disturbance limit will be limited to the slope stake line. Restoration measures have been included in this set of plans for the approved areas of disturbance. The Contractor shall submit an earth change plan for any work beyond the approved limits to the Engineer to review for approval prior to the disturbance. All costs for obtaining and executing an approved earth change plan, including restoration, shall be at the Contractor's expense.

SOIL EROSION MEASURES

Appropriate soil erosion and sedimentation control measures shall be in place prior to earth-disturbing activities. Place turf establishment items as soon as possible on potential erodible slopes as directed by the Engineer. Critical ditch grades shall be protected with either sod or seed/mulch or mulch blanket as directed by the Engineer.

BASES

AGGREGATE BASE

Aggregate bases shall use aggregate 21AA unless otherwise specified.

DRAINAGE

CULVERT EXTENSIONS

The extension of existing culverts on this project may require extra work to obtain a tight seal at the joint connecting new culvert pipe to existing culvert pipe. The joint between the existing and new pipes shall be constructed according to the 2012 Standard Specifications for Construction. Any extra work required to obtain tight joints will not be paid for separately, but will be included in compensation for extending culverts.

ILLICIT CONNECTIONS TO STORM WATER SYSTEM

Connections to existing storm conveyance systems not shown on the plans must be reconnected with minimal interruption in service. Size, type and location by station and offset and any suspect illicit discharge observed shall be reported to the Engineer prior to reconnecting. Contractor shall proceed as directed by the Engineer.

TEMPORARY BULKHEADS

Temporary bulkheads may be required for the part width construction of the culverts and sewers. All cost associated with the temporary bulkheads are included in the item of the pipe.

PAVEMENT

PAVEMENT AND HMA SURFACE REMOVAL QUANTITIES

Pavement and HMA Surface removal as shown on the plans will be at the discretion of the Engineer. If in his/her judgment, areas of pavement may be left in place, or additional areas added to provide the proper cross-section and base. Changes will be made in the quantities.

SOIL BORINGS AND/OR PAVEMENT CORES

The soil boring logs and/or pavement cores represent point information. No inference should be made that subsurface or pavement conditions are the same at other locations.

CONCRETE HAND FINISHING

Hand finishing of concrete pours to be struck off and consolidated by hand methods will be permitted on variable width lanes and lanes formed by flexible forms for short radius curves, as directed by the Engineer.

CONCRETE

The type of concrete to be used on this project for the pavement repairs is Type P1

INTERSECTION CONCRETE JOINT LAYOUT

The Contractor shall layout all joints for the intersections 5 days prior to concrete placement for the review of the Engineer. The Designer will furnish blank intersection worksheets (11" x 17") to scale (1"=40') showing all proposed curb lines, longitudinal lane lines and all existing and proposed utility/drainage structure covers within the intersections to the Engineer prior to the pre-construction meeting. These worksheets will be available for the Contractor's use.

TURF ESTABLISHMENT

SEED MIXTURE

The symbol for the permanent turf seed mixture on this project is symbol TUF

SIGNS

GENERAL

All signs shall be installed, removed and/or salvaged according to the current edition of "Michigan Manual on Uniform Traffic Control Devices" and the current edition of Michigan Department of Transportation (MDOT) "Standard Specifications For Construction."

All signs on the plans or in the log that do not have a recommendation are to be retained.

EXISTING SIGN RELOCATION

Any permanent signs requiring relocation due to Contractor operations shall be salvaged and reset by the Contractor at locations designated by the Engineer. Signs and posts damaged during the removal and storage operations shall be replaced with new signs and posts. The cost of this work shall be borne by the Contractor.

At least two weeks prior to construction to remove / relocate Michigan Logo or tourist oriented directional signs; the Contractor shall contact Mike Kovalchick, (888) 645-6467 from Michigan Logos.

DELINEATOR POST REPLACEMENT

The Contractor shall remove and dispose of all existing delineator posts along the roadway where new posts are placed. This work will be considered as included in the cost of placing new delineator posts.

PLAN SCALE

The final plans submitted with the proposal are not to scale. Where proposed on plan sheets, the signs and structures shall be fabricated in accordance to Typical Plans, Standards, and/or Details at locations described.

SIGN LAYOUT

Sign layouts shall be according to the current English edition of "Standard Highway Signs" manual or as detailed in plans. Legend length shall be determined using the "SignCAD" software.

SHEETING

Handling and installation of all signs shall conform with the sheeting manufacturer's specifications and guidelines.

Splice sheeting used for Type I signs with a 3" overlap.



Signs that have wrinkled or twisted sheeting may be rejected.

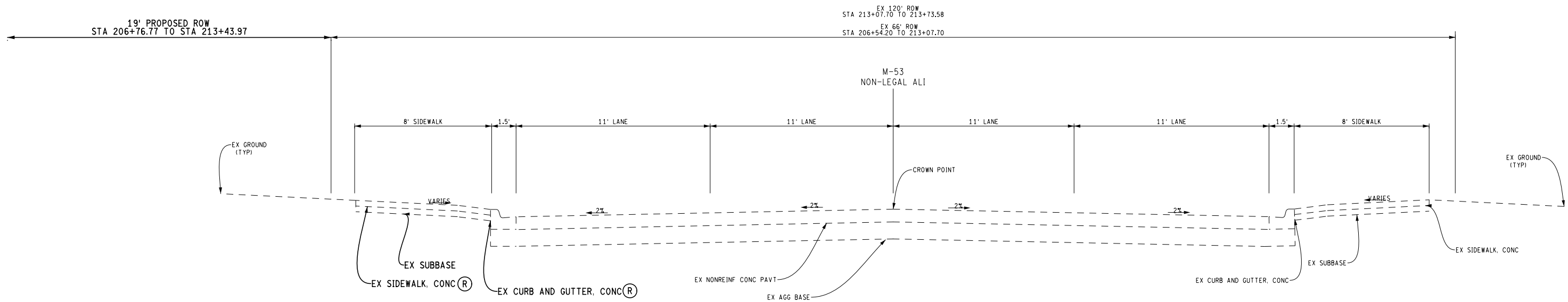
SIGN INSTALLATION

When attaching signs to supports, tighten the nut, not the bolt head.

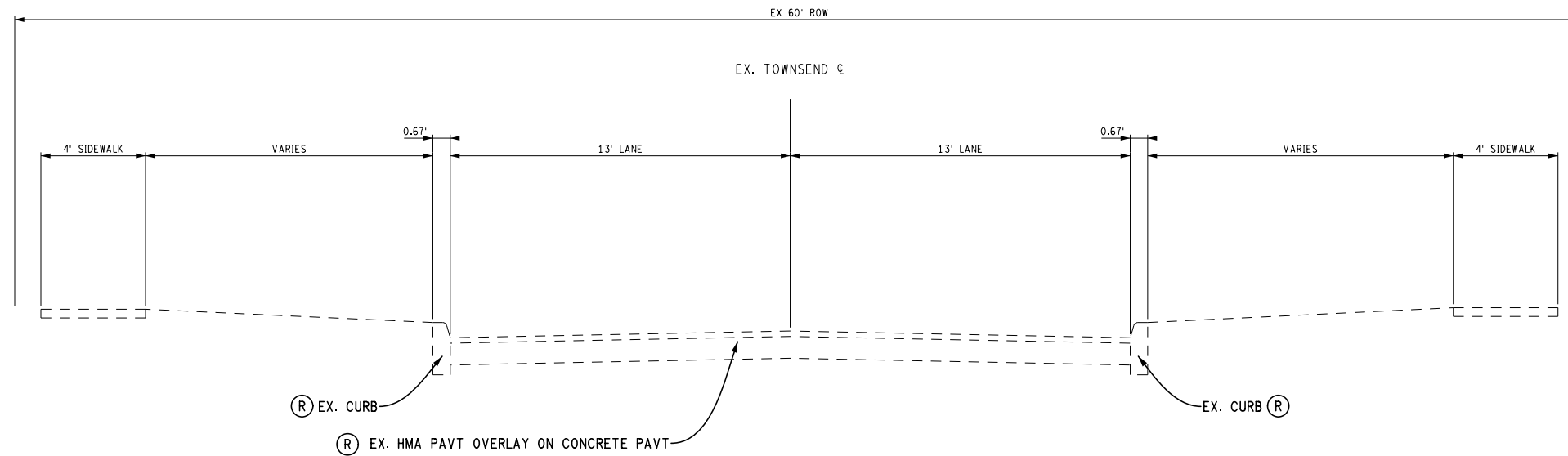
Nylon washers shall be placed between the steel washer and the sign face sheeting. The nylon washers are to be considered part of the attaching devices and hardware. Nylon washers shall have a 3/8 inch inner diameter, a 7/8 inch outer diameter and a 1/16 inch thickness.

The Contractor shall attach a date sticker to the back of all signs installed on the contract. Stickers will be supplied to the Contractor at the preconstruction meeting by the Engineer. Stickers will be supplied by MDOT Operations Field Services Division Statewide Sign Shop, Lansing, which can be contacted at 517-322-3357.

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE:)								NO SCALE	DATE: 04/17/2020	CS:	NOTE SHEET M-53 LAMBERT TO MEDBURY	DRAWING	SHEET		
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE				AUTH	DESCRIPTION		DESIGN UNIT:	JN: PW#7027	NOTE	SECT 1
												FILE: D1170223_Note_001.doc	TSC:	001	5

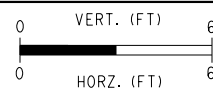


EXISTING NORMAL SECTION
SECTION APPLIES TO:
M-53 STA 206+54.20 (POB) TO STA 213+73.58 (POE)



EXISTING NORMAL SECTION
SECTION APPLIES TO:
TOWNSEND ST AND MEDBURY ST INTERSECTION

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



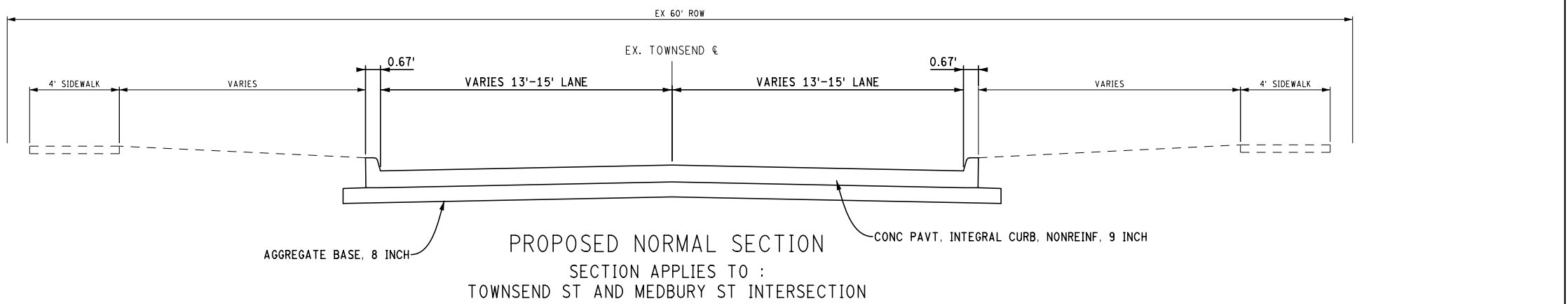
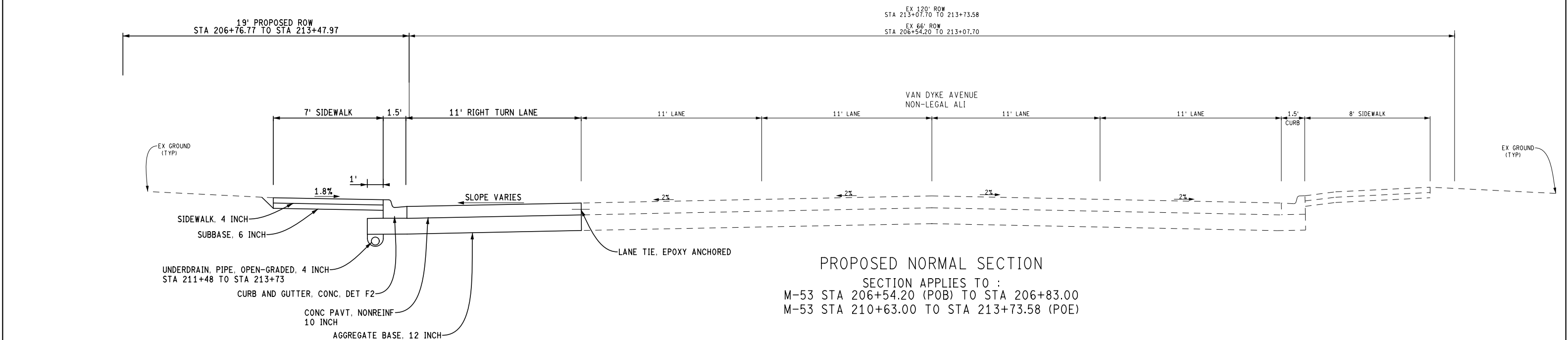
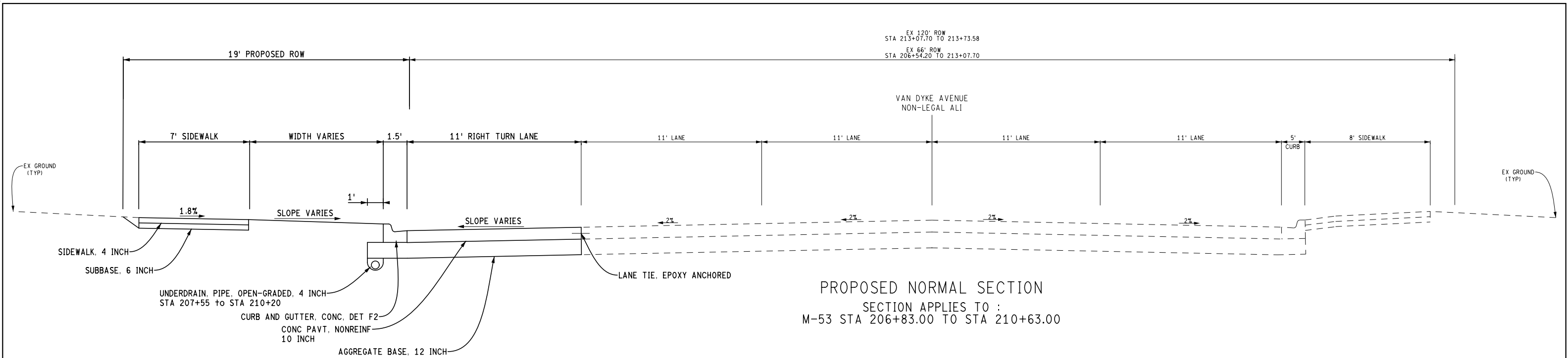
DRAWN BY: ASH
CHECKED BY: DAR
FILE: D1170223_TYP001

DATE: 04/17/2020
DESIGN UNIT:
TSC:

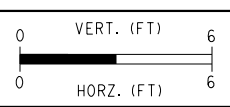
CS:
JN: PW#7027

EXISTING TYPICAL CROSS SECTION
M-53 CONGER TO HENDRIE
TOWNSEND AND MEDBURY INTERSECTION

DRAWING SHEET
M-53 EXTYP 001
SECT 1
6



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



DRAWN BY: ASH
CHECKED BY: DAR
FILE: D1170223_TYP002

DATE: 04/17/2020
DESIGN UNIT:
TSC:

CS:
JN: PW#7027

PROPOSED TYPICAL CROSS SECTION		DRAWING	SHEET
M-53 CONGER TO HENDRIE		M-53	SECT 1
TOWNSEND AND MEDBURY INTERSECTION		PRTYP 001	7

NOTES

COORDINATE SYSTEM: STATE PLANE GRID
ZONE: MICHIGAN SOUTH 2113
ELLIPSOID: GRS 80
HORIZONTAL DATUM: NAD 83 (2011)
VERTICAL DATUM: NAVD 88
GEOID: GEOID 12B
UNITS: INTERNATIONAL FEET

GROUND DISTANCE CONVERSION

THE COMBINED SCALE FACTOR (CSF) FOR EACH CONTROL POINT IS INCLUDED IN THE CONTROL POINT LIST.

AVERAGE COMBINED SCALE FACTOR (ACSF) = (CSF1 + CSF2)/2
 GROUND DISTANCE = GRID DISTANCE / ACSF

CONTROL IS FOR LOCAL PROJECT ONLY

INTERMEDIATE CONTROL

CONTROL PT #: CP100
 DESCRIPTION: MAG NAIL ON EAST SIDE OF M-53 (VAN DYKE), OPPOSITE SIDE OF W. HENDRIE STREET
 STATION 27+08.94, OFFSET 24.48' LT.
 COORDINATES: N = 324400.91 E = 13487992.55
 ELEV = 622.86
 COMBINED SCALE FACTOR: 0.9999207901

CONTROL PT #: CP104
 DESCRIPTION: MAG NAIL ON WEST SIDE OF M-53 (VAN DYKE), OPPOSITE SIDE OF E. CONGER STREET
 STATION 18+93.88, OFFSET 32.09' RT.
 COORDINATES: N = 325084.94 E = 13487545.73
 ELEV = 625.38
 COMBINED SCALE FACTOR: 0.9999203815

CONTROL PT #: CP106
 DESCRIPTION: MAG NAIL IN SOUTHEAST QUADRANT OF M-53 (VAN DYKE) AND EASTBOUND INTERSTATE 94 SERVICE DRIVE
 STATION 12+24.78, OFFSET 34.50' LT.
 COORDINATES: N = 325701.57 E = 13487277.61
 ELEV = 627.16
 COMBINED SCALE FACTOR: 0.9999200385

CONTROL PT #: CP167
 DESCRIPTION: MAG NAIL ON WEST SIDE OF M-53 (VAN DYKE), OPPOSITE SIDE OF E. LAMBERT STREET
 STATION 15+65.80, OFFSET 30.33' RT.
 COORDINATES: N = 325372.22 E = 13487387.30
 ELEV = 626.22
 COMBINED SCALE FACTOR: 0.9999202192

CONTROL PT #: CP401
 DESCRIPTION: 1/2" X 18" CAPPED IRON ON WEST SIDE OF M-53 (VAN DYKE), IN THE SOUTHWEST QUADRANT OF M-53 AND WESTBOUND INTERSTATE 94 SERVICE DRIVE
 STATION 8+94.42, OFFSET 68.63' RT.
 COORDINATES: N = 325939.71 E = 13487026.48
 ELEV = 629.96
 COMBINED SCALE FACTOR: 0.9999198042

CONTROL PT #: CP600
 DESCRIPTION: MAG NAIL IN SOUTHEAST QUADRANT OF M-53 (VAN DYKE) AND EASTBOUND INTERSTATE 94 SERVICE DRIVE
 STATION 12+04.95, OFFSET 57.88' LT.
 COORDINATES: N = 325730.28 E = 13487288.35
 ELEV = 627.15
 COMBINED SCALE FACTOR: 0.9999200270

BENCHMARKS

BENCHMARK #: BM200
 DESCRIPTION: R.R. SPIKE IN S.E. FACE OF UTILITY POLE AT N.W. CORNER OF M-53 (VAN DYKE) AND HENDRIE STREET
 STATION 26+67.79, OFFSET 68.37' RT.
 COORDINATES: N = 324392 E = 13487891
 ELEV = 624.06
 COMBINED SCALE FACTOR: 0.9999207359

BENCHMARK #: BM204
 DESCRIPTION: ARROW ON HYDRANT AT N.W. CORNER OF M-53 (VAN DYKE) AND CONGER STREET
 STATION 18+48.32, OFFSET 25.00' RT.
 COORDINATES: N = 325128 E = 13487530
 ELEV = 628.05
 COMBINED SCALE FACTOR: 0.9999202357

BENCHMARK #: BM206
 DESCRIPTION: S.W. ANCHOR BOLT ON LIGHT POLE BASE, S.W. CORNER OF M-53 (VAN DYKE) AND EASTBOUND INTERSTATE 94 SERVICE DRIVE
 STATION 12+32.83, OFFSET 64.28' RT.
 COORDINATES: N = 325646 E = 13487195
 ELEV = 628.38
 COMBINED SCALE FACTOR: 0.9999200025

FINAL ROW PLAN REVISIONS (SUBMITTAL DATE: 04/01/2020)

NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION



NO SCALE

FILE: S-1170223_Survey_Info_Sheet

DATE: 04/17/2020

DESIGN UNIT:

TSC:

CS: 82151

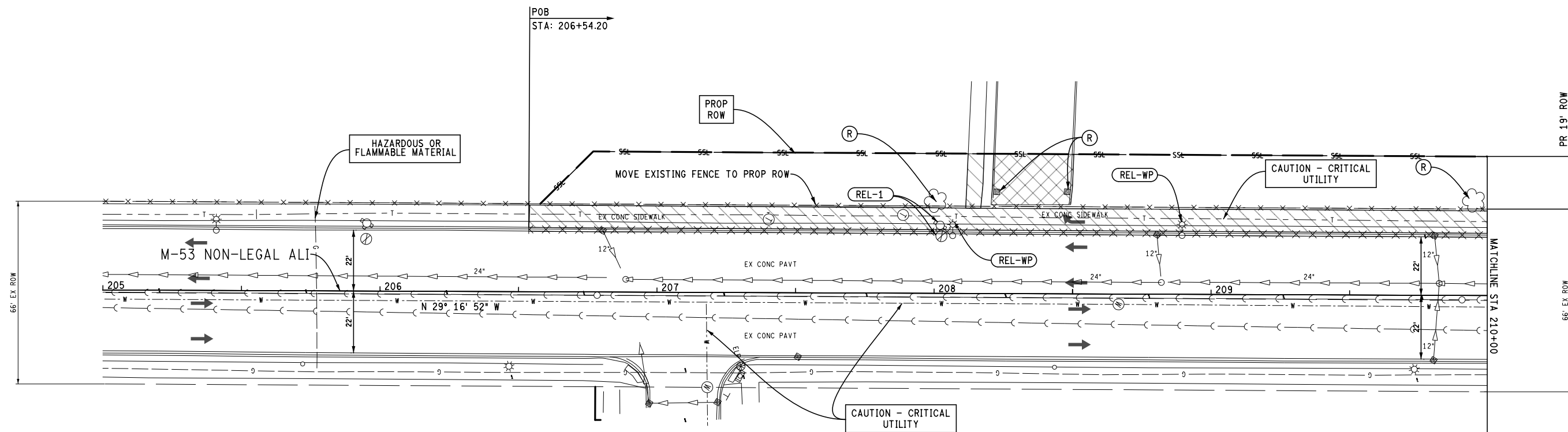
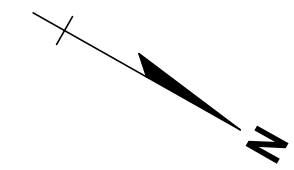
JN: PW#7027

SURVEY INFORMATION SHEET

DRAWING SHEET

SURVEY SECT 1

001 8

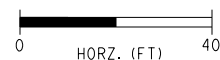


REMOVAL QUANTITIES - THIS SHEET

- 346 Ft Curb and Gutter, Rem, Modified
- 320 Syd Sidewalk, Rem
- 1 Ea Hydrant, Relocate, Case 1
- 2 Ea Wood Pole
- 2 Ea Tree, Rem, 6 inch to 18 inch
- 396 Cyd Excavation, Earth, Modified
- 59 Syd Pavt, Rem
- 2 Ea Dr Structure, Abandon
- 342 Ft Fence, Moving

MEDBURY STREET

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



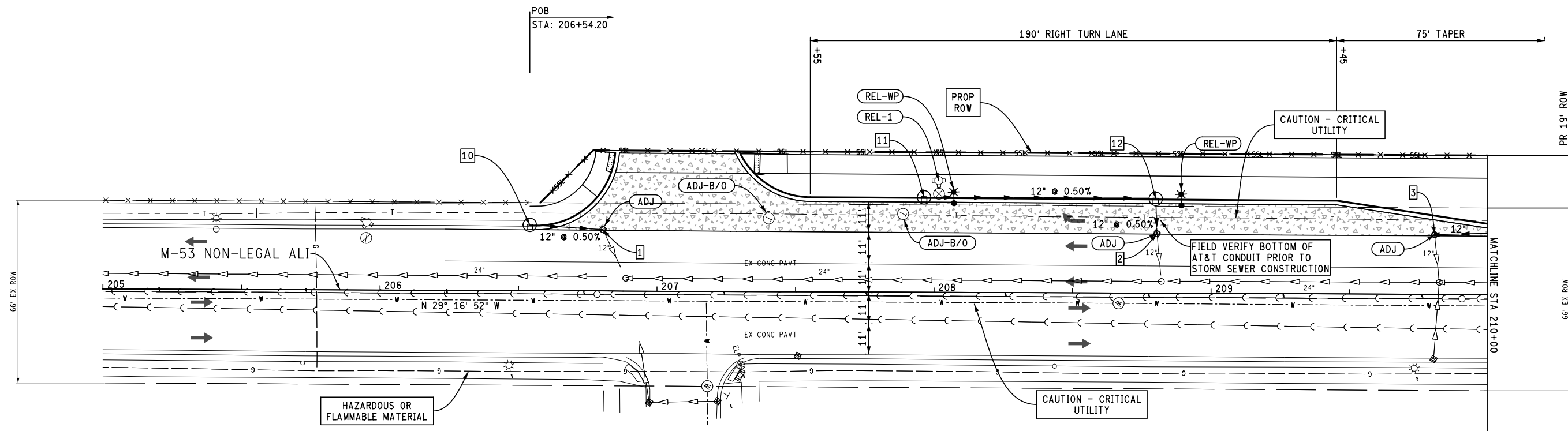
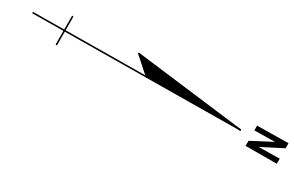
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 CHECKED BY: DAR
 FILE: D1170223_RM001

DATE: 04/17/2020
 DESIGN UNIT:
 TSC:

CS:
 JN: PW#7027

REMOVAL		DRAWING	SHEET
M-53 205+00 TO STA 210+00		M-53 REM 001	SECT 1 10

PROPOSED EMPLOYEE
ENTRANCE



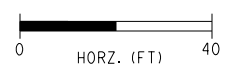
DRAINAGE STRUCTURE AND SEWER TABLE WITH QUANTITIES					Sewer, CL A, 12 inch, Tr Det B	Dr Structure, 48 inch dia	Dr Structure Cover, Sewer MH, Modified	Dr Structure Cover, Type K
Structure Number	Station	Offset FT	Rim Elev	Inverts	FT	EA	EA	EA
1 (Ex.)	206+80.37	22.15	623.49	Ex 12" NE - 618.39 12" S - 618.39	--	--	1	--
2 (Ex.)	208+80.80	21.5	624.19	Ex 12" E - 618.89 12" W - 618.89	--	--	1	--
3 (Ex.)	209+80.61	21.5	624.55	Ex 12" E - 617.90 12" N - 617.90	--	--	1	--
10	206+54.00	22.65	623.41	12" N - 618.45	12	1	--	1
11	206+96.00	34.25	623.68	12" N - 619.38	84	1	--	1
12	208+80.00	34.25	624.01	12" S - 618.96 12" E - 618.96	13	1	--	1
Total					109	3	3	3

CONSTRUCTION QUANTITIES - THIS SHEET

- 300 Ft Curb and Gutter, Conc, Det F2
- 23 Ft Curb Ramp Opening, Conc
- 215 Sft Sidewalk Ramp, ADA, Modified
- 1922 Sft Sidewalk, Conc, 4 inch, Modified
- 14 Ft Detectable Warning Surface Tile, Modified
- 474 Syd Conc Pavt, Nonreinf, 10 inch
- 562 Syd Aggregate Base, 12 inch
- 250 Ft Underdrain, Pipe, Open-Graded, 4 inch
- 3 Ea Dr Structure Cover, Adj, Case 1, Modified
- 17 Cyd Embankment, CIP
- 300 Ft Joint, Contraction, Cp
- 98 Ea Lane Tie, Epoxy Anchored
- 3 Ea Sewer Tap, 12 inch
- * Drainage Quantities in Table

MEDBURY STREET

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

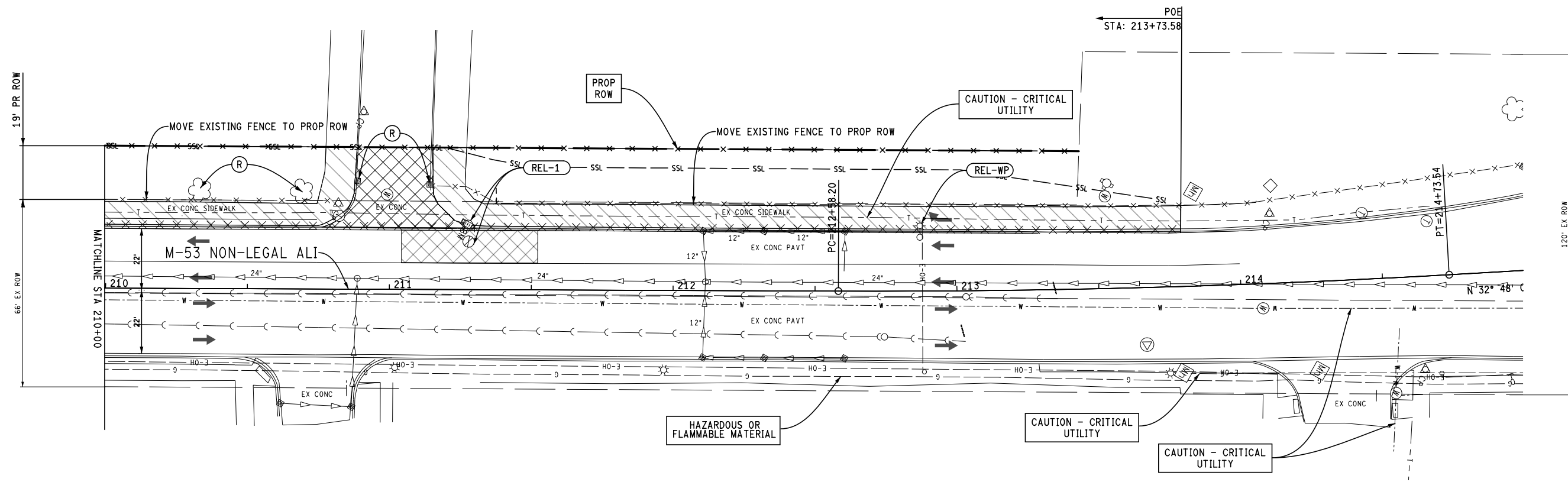
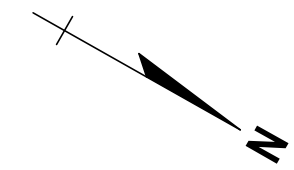


DRAWN BY: ASH
CHECKED BY: DAR
FILE: D1170223_CN001

DATE: 04/17/2020
DESIGN UNIT:
TSC:

CS:
JN: PW#7027

DRAWING		SHEET	
CONSTRUCTION		M-53 CON 001	
M-53 STA 205+00 TO STA 210+00		SECT 1 11	



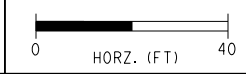
REMOVAL QUANTITIES - THIS SHEET

- 380 Ft Curb and Gutter, Rem, Modified
- 380 Ft Fence, Moving
- 98 Syd Pavt, Rem
- 61 Syd Pavt Repr, Rem
- 22 Ft Saw Cut, Intermediate
- 354 Syd Sidewalk, Rem
- 1 Ea Hydrant, Relocate, Case 1
- 2 Ea Tree, Rem, 6 inch to 18 inch
- 300 Cyd Excavation, Earth, Modified
- 2 Ea Dr Structure, Abandon
- 1 Ea Wood Pole

CONGER STREET

LAMBERT STREET

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



DRAWN BY: ASH
 CHECKED BY: DAR
 FILE: D1170223_RM002

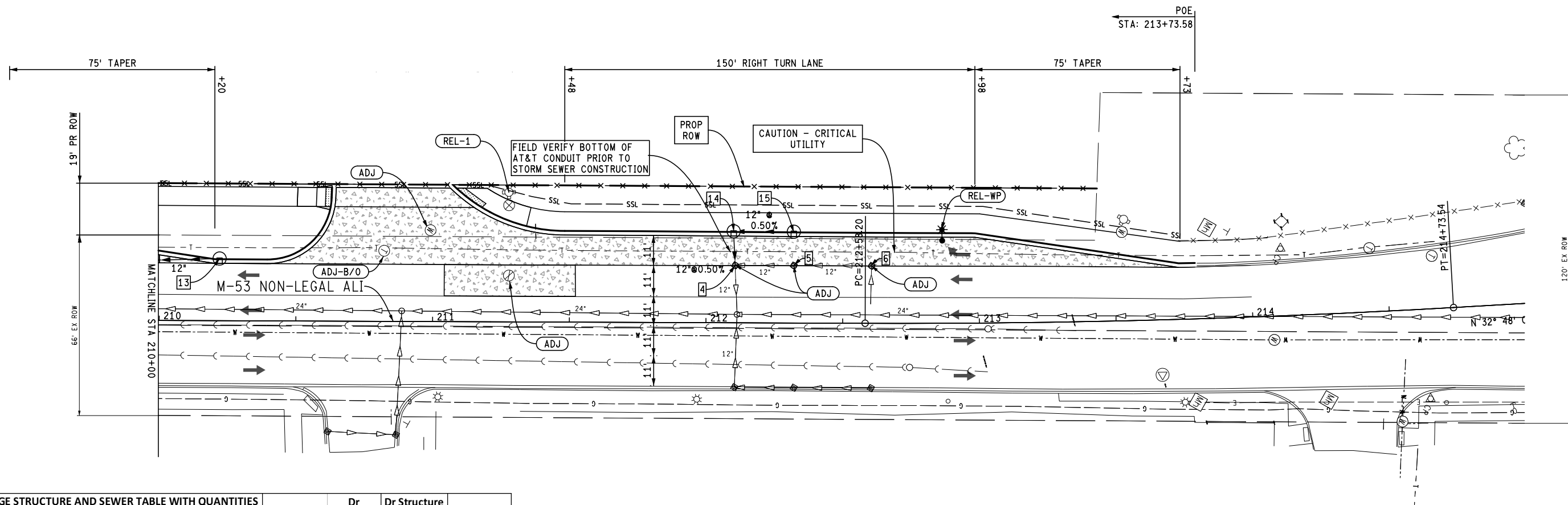
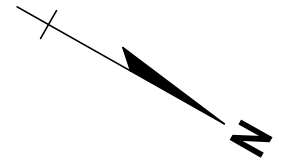
DATE: 04/17/2020
 DESIGN UNIT:
 TSC:

CS:
 JN: PW#7027

REMOVAL	
M-53	REMOVAL
002	12

DRAWING	SHEET
M-53 REM 002	SECT 1 12

PROPOSED TRUCK
ENTRANCE



DRAINAGE STRUCTURE AND SEWER TABLE WITH QUANTITIES								
Structure Number	Station	Offset FT	Rim Elev	Inverts	Sewer, CL A, 12 inch, Tr Det B	Dr Structure, 48 inch dia	Dr Structure Cover, Sewer MH, Modified	Dr Structure Cover, Type K
					FT	EA	EA	EA
4 (Ex.)	212+10.61	21.95	624.84	Ex 12" E - 618.44 Ex 12" N - 618.44 12" W - 618.44	--	--	1	--
5 (Ex.)	212+32.06	21.95	624.85	Ex 12" N - 619.65 Ex 12" S - 618.65	--	--	1	--
6 (Ex.)	212+60.53	21.95	624.85	Ex 12" S - 619.70 Ex 10" E - 621.25	--	--	1	--
13	210+22.00	22.72	624.69	12" S - 618.11	42	1	--	1
14	212+10.00	33.44	624.60	12" N - 618.54 12" E - 618.54	13	1	--	1
15	212+32.00	33.37	624.53	12" N - 618.62 12" S - 618.62	22	1	--	1
Total					77	3	3	3

CONSTRUCTION QUANTITIES - THIS SHEET

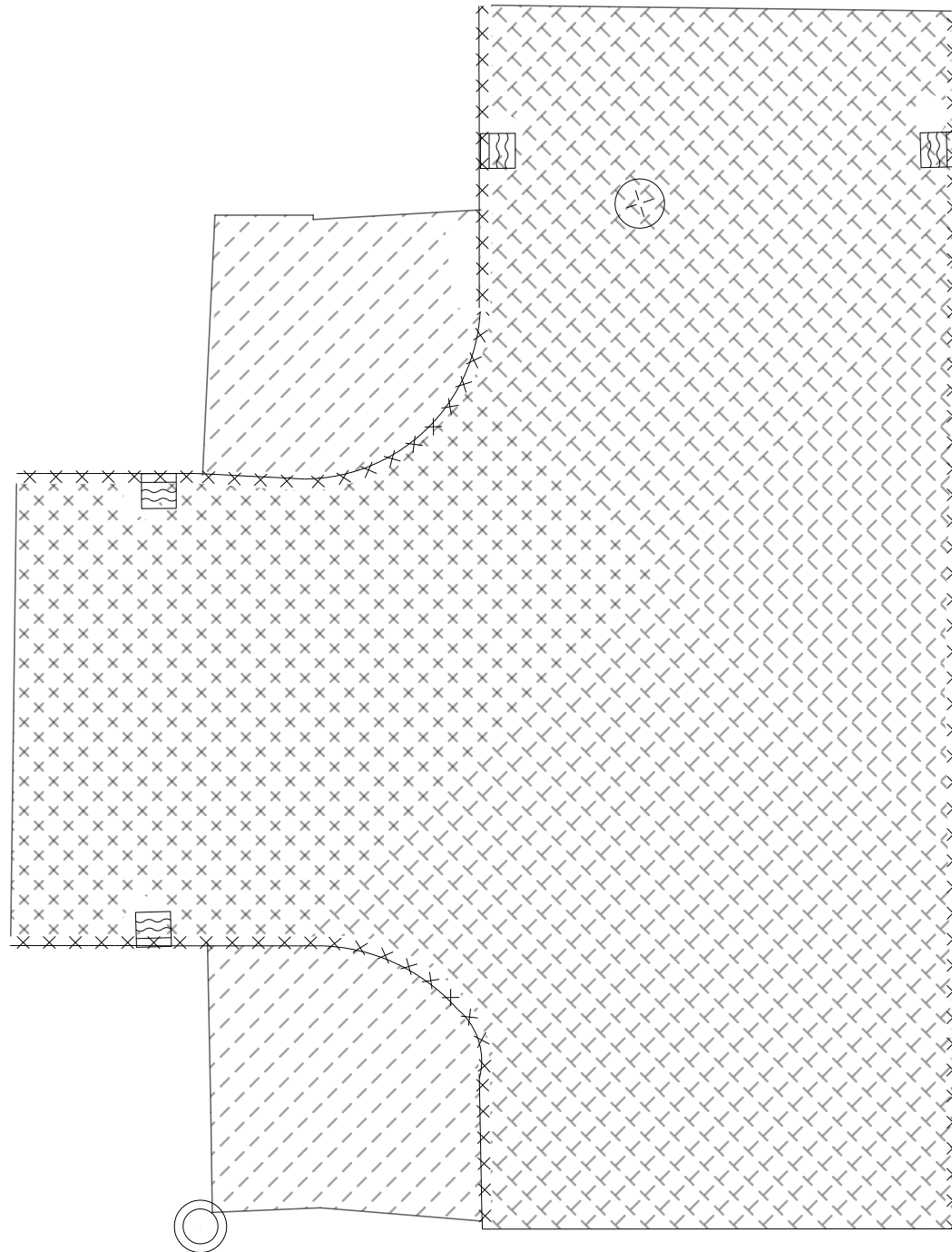
- 324 Ft Curb and Gutter, Conc, Det F2
 - 34 Ft Curb Ramp Opening, Conc
 - 258 Sft Sidewalk Ramp, ADA, Modified
 - 2082 Sft Sidewalk, Conc, 4 inch, Modified
 - 18 Ft Detectable Warning Surface Tile, Modified
 - 447 Syd Conc Pavt, Nonreinf, 10 inch
 - 61 Syd Pavt Repr, Nonreinf Conc, 10 inch
 - 608 Syd Aggregate Base, 12 inch
 - 253 Ft Underdrain, Pipe, Open-Graded, 4 inch
 - 4 Ea Dr Structure Cover, Adj, Case 1, Modified
 - 1 Ea Water Shutoff, Adj, Case 1, Modified
 - 68 Cyd Embankment, CIP
 - 305 Ft Joint, Contraction, Cp
 - 119 Ea Lane Tie, Epoxy Anchored
 - 22 Ft Joint, Contraction, Crg
 - 1 Ea Sewer Tap, 12 inch
- * Drainage Quantities in Table

CONGER STREET

LAMBERT STREET

TOWNSEND STREET

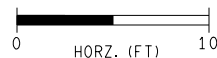
MEDBURY STREET



REMOVAL QUANTITIES - THIS SHEET

160 Ft Curb and Gutter, Rem
 48 Syd Sidewalk, Rem
 287 Syd Pavt, Rem

FINAL ROW PLAN REVISIONS				(SUBMITTAL DATE:)			
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION
1							



DRAWN BY:
 CHECKED BY:
 FILE: D1170223_RM003.dgn

DATE: 04/17/2020
 DESIGN UNIT: DETROIT
 TSC: WARREN

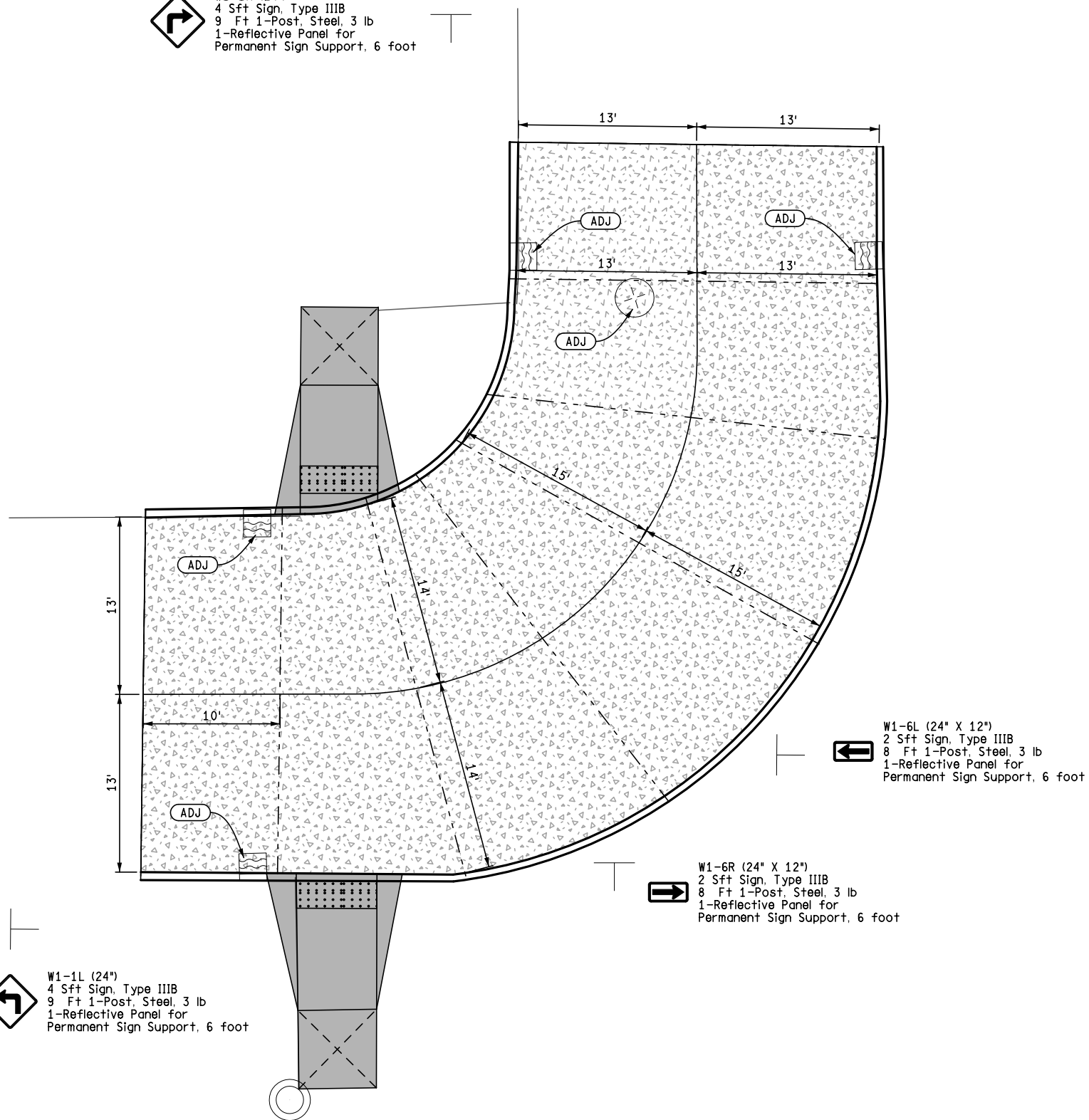
CS:
 JN: PW#7027

REMOVAL
 TOWNSEND AND MEDBURY INTERSECTION

DRAWING	SHEET
REM 003	14

TOWNSEND STREET

W1-1R (24")
 4 Sft Sign, Type III B
 9 Ft 1-Post, Steel, 3 lb
 1-Reflective Panel for
 Permanent Sign Support, 6 foot



MEDBURY STREET

W1-1L (24")
 4 Sft Sign, Type III B
 9 Ft 1-Post, Steel, 3 lb
 1-Reflective Panel for
 Permanent Sign Support, 6 foot

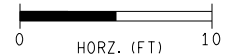
W1-6L (24" X 12")
 2 Sft Sign, Type III B
 8 Ft 1-Post, Steel, 3 lb
 1-Reflective Panel for
 Permanent Sign Support, 6 foot

W1-6R (24" X 12")
 2 Sft Sign, Type III B
 8 Ft 1-Post, Steel, 3 lb
 1-Reflective Panel for
 Permanent Sign Support, 6 foot

CONSTRUCTION QUANTITIES - THIS SHEET

217	Syd	Conc Pavt with Integral Curb, Nonreinf, 9 inch
19	Ft	Curb Ramp Opening, Conc
211	Sft	Sidewalk Ramp, ADA, Modified
12	Ft	Detectable Warning Surface Tile, Modified
232	Syd	Aggregate Base, 8 inch
52	Ft	Joint, Expansion, E2
174	Ft	Joint, Contraction, C3p
25	Ea	Lane Tie, Epoxy Anchored
5	Ea	Dr Structure Cover, Adj, Case 1, Modified
34	Ft	Post, Steel, 3 lb
12	Sft	Sign, Type III B

FINAL ROW PLAN REVISIONS		(SUBMITTAL DATE:)	
NO.	DATE	AUTH	DESCRIPTION
1			

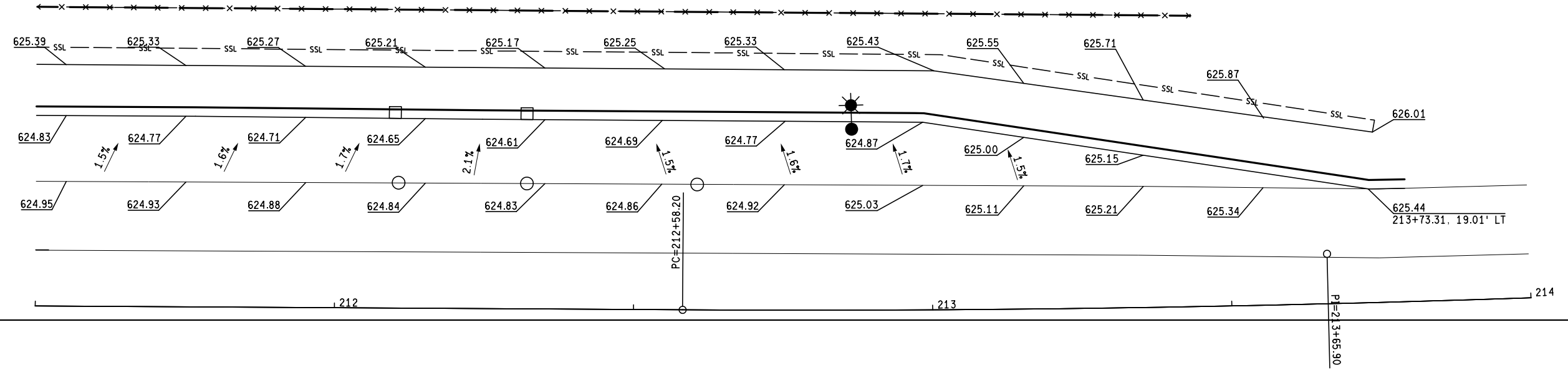
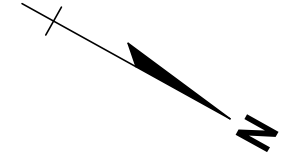


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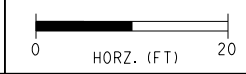
DATE: 04/17/2020
 DESIGN UNIT: DETROIT
 TSC: WARREN

CONSTRUCTION
 TOWNSEND AND MEDBURY INTERSECTION

DRAWING SHEET
 CON 003 SECT 1 15



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



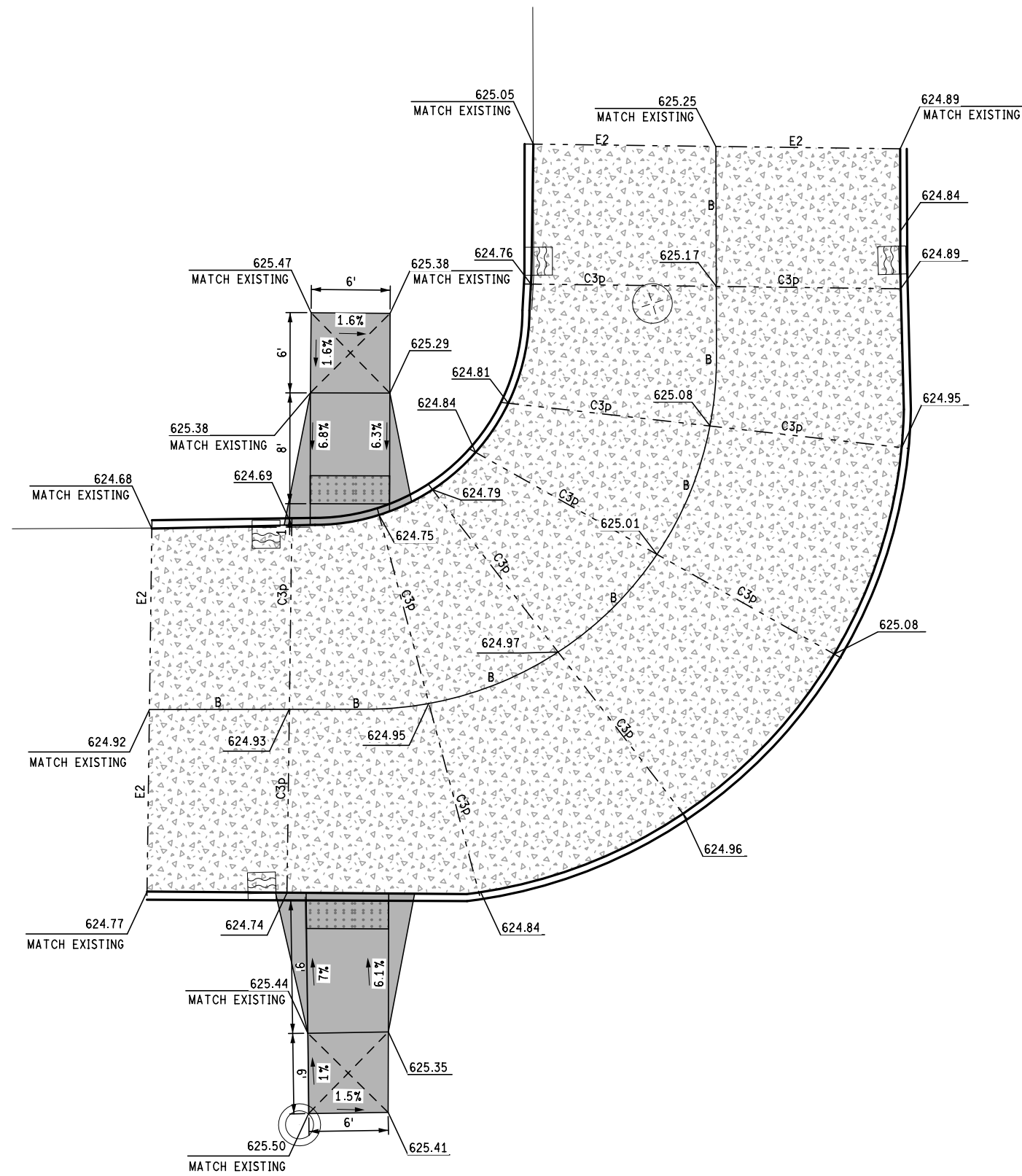
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DATE: 04/17/2020
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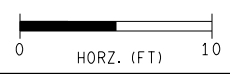
CS:
 JN: PW#7027

DETAIL GRADES
 M-53 STA 211+50 TO STA 214+00

DRAWING SHEET
 M-53 DETGR 003 SECT 1 18



FINAL ROW PLAN REVISIONS		(SUBMITTAL DATE:)	
NO.	DATE	AUTH	DESCRIPTION
1			



DRAWN BY:
 CHECKED BY:
 FILE: D1170223_DET004.dgn

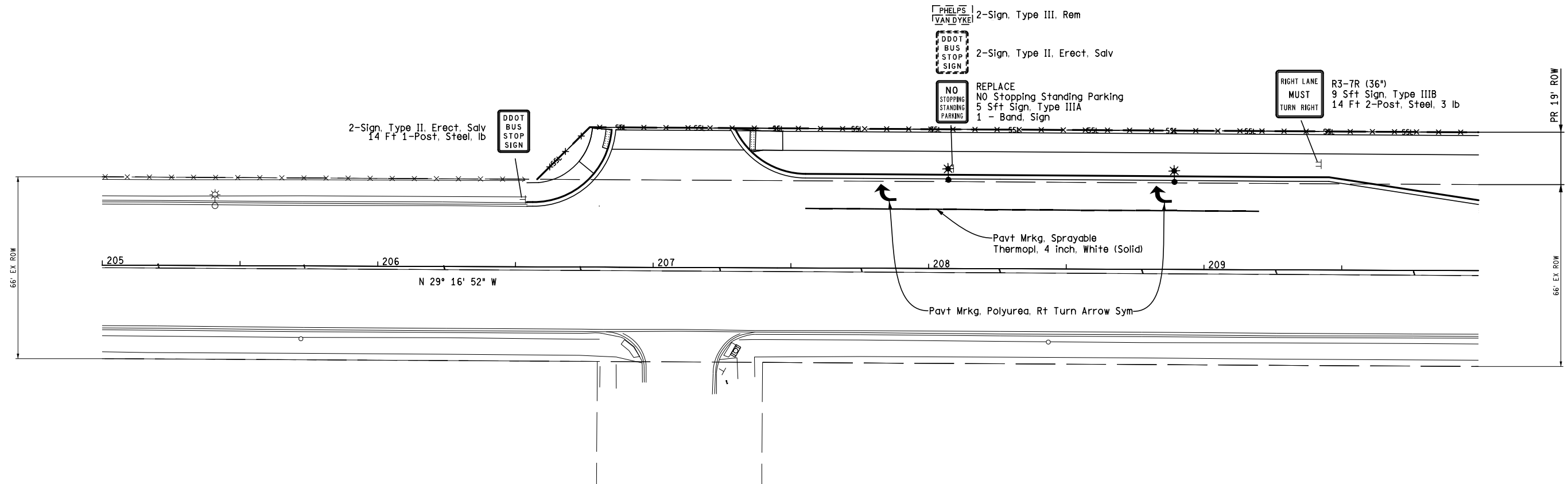
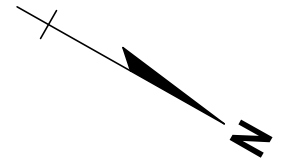
DATE: 04/17/2020
 DESIGN UNIT: DETROIT
 TSC: WARREN

CS:
 JN: PW#7027

DETAILED GRADES & JOINT PLAN
 TOWNSEND AND MEDBURY INTERSECTION

DRAWING	SHEET
DET	SECT 1
004	19

PROPOSED EMPLOYEE
ENTRANCE

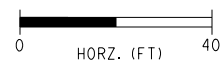


PERMANENT PAVEMENT MARKING AND SIGNING QUANTITIES – THIS SHEET

2 Ea	Pavt Mrkg, Polyurea, Rt Turn Arrow Sym
165 Ft	Pavt Mrkg, Sprayable Thermopl, 4 inch, White
42 Ft	Post, Steel, 3 lb
9 Sft	Sign, Type III B
5 Sft	Sign, Type III A
1 Ea	Band, Sign
3 Ea	Sign, Type III, Rem
2 Ea	Sign, Type II, Erect, Salv

MEDBURY STREET

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



DRAWN BY: ASH
CHECKED BY: DAR
FILE: D1170223_PM001

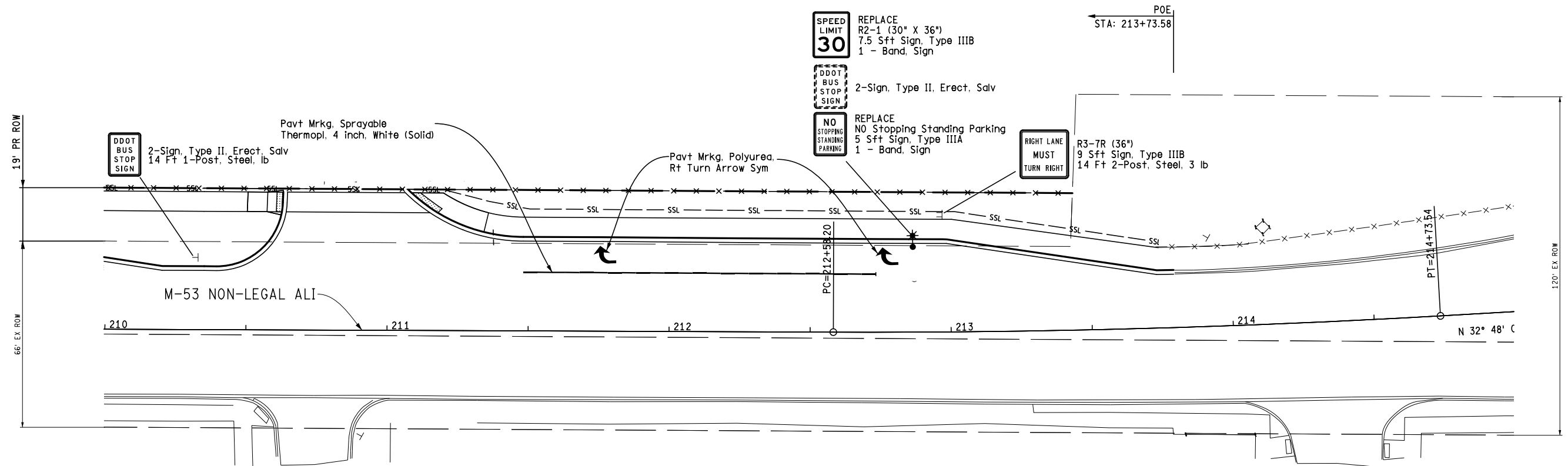
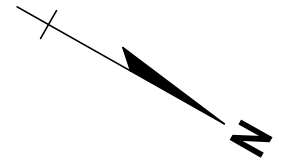
DATE: 04/17/2020
DESIGN UNIT:
TSC:

CS:
JN: PW#7027

PERMANENT PAVEMENT MARKING AND SIGNING
M-53 STA 205+00 TO STA 210+00

DRAWING SHEET
M-53 PM 001 SECT 1 20

PROPOSED TRUCK
ENTRANCE



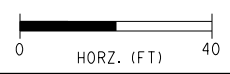
PERMANENT PAVEMENT MARKING AND SIGNING - THIS SHEET

- 125 Ft Pavt Mrkg, Sprayable Thermopl, 4 inch, White
- 16.5 Sft Sign, Type III B
- 42 Ft Post, Steel, 3 lb
- 2 Ea Pavt Mrkg, Polyurea, Rt Turn Arrow Sym
- 5 Sft Sign, Type III A
- 2 Ea Band, Sign
- 2 Ea Sign, Type III, Rem
- 2 Ea Sign, Type II, Erect, Salv

CONGER STREET

LAMBERT STREET

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



DRAWN BY: ASH
 CHECKED BY: DAR
 FILE: D1170223_PM002

DATE: 04/17/2020
 DESIGN UNIT:
 TSC:

CS:
 JN: PW#7027

PERMANENT PAVEMENT MARKING AND SIGNING
 M-53 STA 210+00 TO STA 215+00
 DRAWING SHEET
 M-53 PM 002 SECT 1 21