



PLANNING & DEVELOPMENT DEPARTMENT
2 WOODWARD AVE SUITE 808, DETROIT, MI 48226

HISTORIC DISTRICT COMMISSION

CERTIFICATE OF APPROPRIATENESS

Application Number: HDC2025-00115

Effective Date: 04/15/25

Project Address: Virginia Park St (M10 to Woodward)

Issued to: Dolin Diaz

Historic District: New Center Area

2 Woodward Ave, Suite 611

The City of Detroit, MI 48226

Description of Work:

Replace brick pavers along Virginia Park Street

With the Conditions that:

N/A

COA

Pursuant to Section 5(10) of the Michigan Local Historic District Act, as amended, being MCL 399.205 (10) and Sections 21-2-57 and 21-2-73 of the 2019 Detroit City Code, and Detroit Historic District Commission ("DHDC") delegation of administrative authority via Resolutions 97-01, 97-02, 98-01, 20-03, 21-04, and/or 21-07, as applicable, the staff of the DHDC has reviewed the above referenced application and hereby issues a Certificate of Appropriateness ("COA") for the description of work, effective date above, as it meets the Secretary of the Interior's Standards for Rehabilitation and the district's Elements of Design

For the Commission:

Daniel Rieden
Senior Clerk to the Historic District Commission

PSR: 250523GL

Post this COA at the subject property until work is complete. It is important to note that approval by the DHDC does not waive the applicant's responsibility to comply with any other applicable ordinances or statutes.



THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE CITY OF DETROIT STANDARD SPECIFICATIONS AND STREET/ALLEY STANDARDS, AND THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION. 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 2020 EDITION.

TRAFFIC DATA				SPEED DATA			
ROAD	YEAR	ADT	DHV	COMM	DESIGN	POSTED	LIMITS
VIRGINIA PARK	2024	632	N/A	5.73%	25	25	POB TO POE

CITY OF DETROIT

WAYNE COUNTY

VIRGINIA PARK RECONSTRUCTION



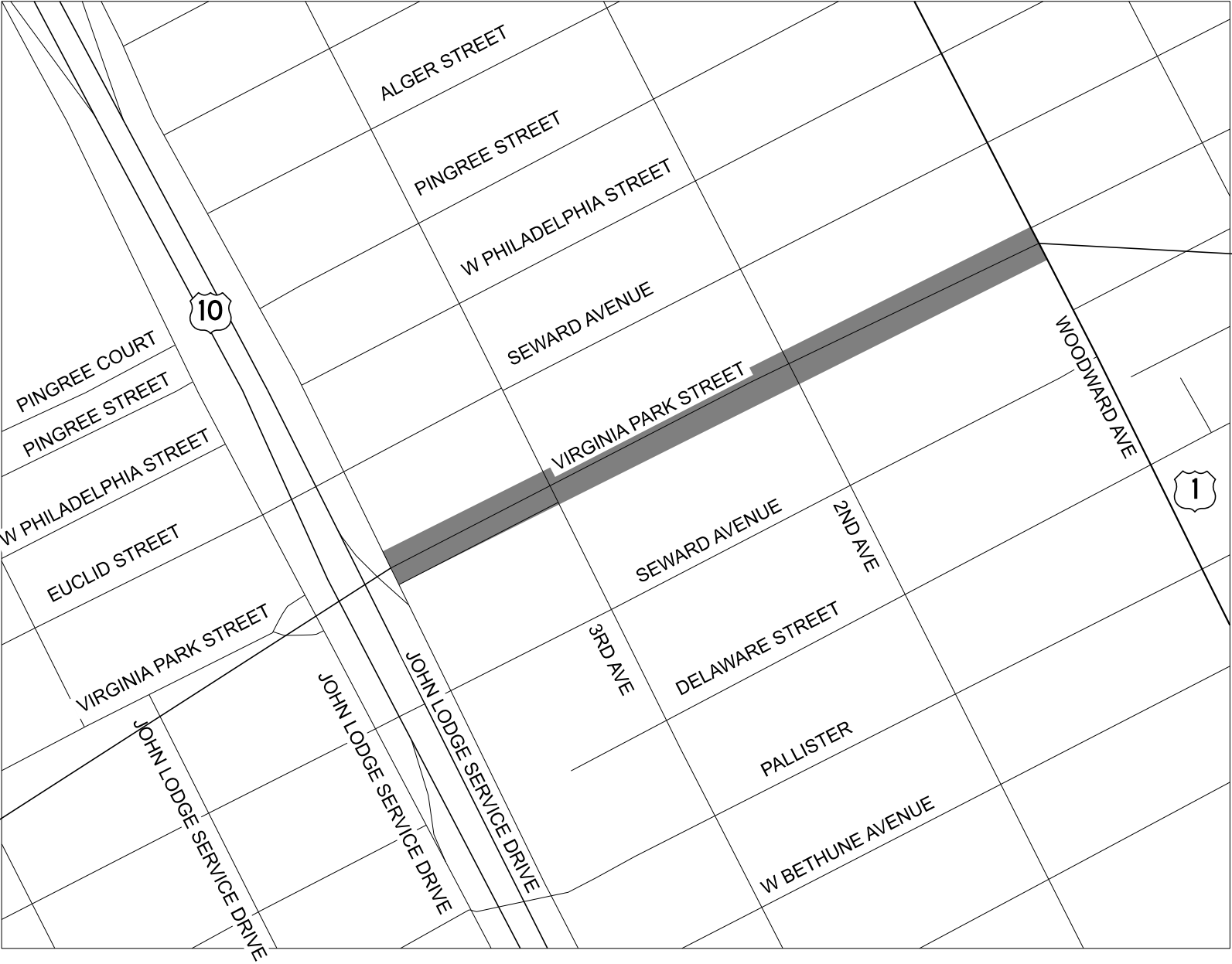
COUNTY KEY



JN 218688
POE STA 22+35

NOTES

1. LOCATIONS AND DIMENSIONS ARE APPROXIMATE. THIS IS NOT A LEGAL SURVEY.
2. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS, SPECIFICATIONS, AND ORDINANCES OF THE CITY OF DETROIT, WAYNE COUNTY, AND THE STATE OF MICHIGAN, WHERE APPLICABLE.
3. THE CONTRACTOR SHALL ADHERE TO ALL SITE, LOCAL, COUNTY, AND STATE ORDINANCES GOVERNING HOURS OF OPERATION.
4. THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING AND IMPLEMENTING THEIR OWN HEALTH AND SAFETY PLAN.
5. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO COMPLETE THE WORK. PERMITS TO BE OBTAINED INCLUDE, BUT ARE NOT LIMITED TO, MDOOT, WAYNE COUNTY, AS APPLICABLE, PRIOR TO COMMENCING WORK.
6. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS PRIOR TO CONSTRUCTION AND CONTACT MISS DIG A MINIMUM OF 3 WORKING DAYS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT THE OWNER TO HAVE UTILITIES OUTSIDE OF THE PUBLIC RIGHT-OF-WAY IDENTIFIED AND LOCATED. THE CONTRACTOR SHALL NOT BEGIN UNDERGROUND WORK UNTIL THE SITE HAS BEEN MARKED BY REPRESENTATIVES OF ALL AFFECTED UTILITIES.
7. THE CONTRACTOR SHALL PROTECT, OR HAVE RELOCATED, ANY UTILITIES THAT INTERFERE WITH THE CONSTRUCTION. UTILITIES AND ASSOCIATED STRUCTURES SHALL NOT BE REMOVED UNLESS SPECIFIED ON PLANS.
8. THE CONTRACTOR SHALL PROVIDE THE NECESSARY TRAFFIC CONTROL AND SIGNAGE, PER LOCAL UNIFORM TRAFFIC CONTROL REGULATIONS, TO MAINTAIN ACCESS TO RESIDENTIAL PROPERTIES THROUGHOUT CONSTRUCTION. PROVIDE APPROPRIATE BARRICADES AROUND WORK AREAS FOR PEDESTRIAN AND VEHICULAR SAFETY.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL NECESSARY CONSTRUCTION STAKING AND GRADE ALIGNMENT CONTROLS. THE CONTRACTOR SHALL PROVIDE SUFFICIENT GRADE AND ALIGNMENT REFERENCES BY MEANS OF STAKES, STRINGLINES, OR OTHER APPROPRIATE MEANS.
10. THE CONTRACTOR SHALL USE APPROPRIATE MEANS, METHODS, AND EQUIPMENT AND TAKE NECESSARY PRECAUTIONS TO AVOID DAMAGE TO THE EXISTING SITE FEATURES, SUCH AS, BUT NOT LIMITED TO, ROAD SIGNS, DRIVES, PAVEMENT, DITCHES, MANHOLES, UNDERGROUND UTILITIES, OVERHEAD UTILITIES, CULVERTS, GATES, FENCES, UTILITY POLES, OR UTILITY MARKERS. PUBLIC OR PRIVATE, ANY SITE FEATURE DAMAGE OR DISTURBANCE THAT OCCURS AS A RESULT OF THE CONTRACTOR'S MEANS, METHODS, OR EQUIPMENT SHALL BE REPAIRED AND/OR RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. THE OWNER OR THE OWNER'S REPRESENTATIVE SHALL BE THE SOLE JUDGE OF THE ACCEPTABILITY OF ANY SUCH REPAIRS OR REPLACEMENTS.
11. CONTRACTOR SHALL PROVIDE SUBMITTALS ON MATERIALS AND EQUIPMENT TO BE INCLUDED IN THE CONSTRUCTION PRIOR TO THE PRE-CONSTRUCTION MEETING. THE ENGINEER SHALL REVIEW SUBMITTALS TO VERIFY THAT THE MATERIALS ARE IN ACCORDANCE WITH THE SPECIFICATIONS. SUBMITTALS INCLUDE SUCH ITEMS AS PERMITS, SHOP DRAWINGS, CALCULATIONS, CUT SHEETS, AND QUALITY CONTROL CERTIFICATES.
12. ALL CONSTRUCTION SHALL BE COMPLETED TO THE ELEVATIONS AS NOTED ON THE PLANS. TOLERANCES OF ±0.1 FT ARE ACCEPTABLE IN LANDSCAPED/GRAVEL AREAS. TOLERANCES OF ±0.01 FT ARE ACCEPTABLE FOR PAVEMENT AND SEWER CONSTRUCTION.



JN 218688
POB STA 0+28



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

APPROVED BY
CITY ENGINEER

DATE

APPROVED BY
ENGINEERING SERVICES
COORDINATOR

DATE

PREPARED UNDER THE SUPERVISION OF

LICENSED PROFESSIONAL ENGINEER

INFRASTRUCTURE ENGINEERING
OF MICHIGAN, LLC
3031 W GRAND BLVD, SUITE 530
DETROIT, MI 48202

MILES: 0.42
CONTRACT FOR:
ROADWAY RECONSTRUCTION INCLUDING BRICK PAVER SALVAGE AND REPLACEMENT,
DRAINAGE IMPROVEMENT, RECONSTRUCT SEWER, NEW SHADE TREES, CURB AND
GUTTER SALVAGE AND REPLACEMENT, DRIVEWAY REPLACEMENT, ADA RAMP AND
SIDEWALK IMPROVEMENT.

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



INFRASTRUCTURE
ENGINEERING
OF MICHIGAN, LLC
3031 W. Grand Blvd. Suite 530 | Detroit, MI 48202
P: 313.408.8818 | E: info@iemichigan.com



NO SCALE

FILE: 2301037_TITLE.dgn

DATE: 03/05/25

DESIGN UNIT:

TSC:

CS:

JN: 218688

TITLE

Virginia Pk STA 0+10 TO STA 22+35

VIRGINIA PARK STREET

DRAWING SHEET

Virginia Pk SECT 1

TITLE 1

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.

MISS DIG/UNDERGROUND UTILITY NOTIFICATION

Contact MISS DIG System, Inc. for the protection of underground utilities and in conformance with MCL 460.721 et seq, 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 working days prior to excavating, excluding weekends and holidays.

Name of OwnerType of Utility

AT&TCommunication
Attention: Anika Estes
Design Specialist
54 N Mill St.
Pontiac, MI 48342
Phone: (248) 454-2998
Email: ce3239@att.com

AT&TCommunication
Attention: Yuri I Stoudemire
Phone: (313) 456-6398
Email: ys1951@att.com

City of DetroitWater Mains & Sewers
Detroit Water & Sewerage Department
Contract Services Facility
Attention: Elmo Turner
6425 Huber St.
Detroit, MI 48211
Phone: (313) 267-4863
Email: elmo.turner@detroitmi.gov

City of DetroitPavement Marking & Signs
Traffic Engineering, D.P.W.
Attention: Jonathan Flint
2633 Michigan Ave
Detroit, MI 48207
Phone: (313) 224-4493
General: (313) 224-1610
Email: flintj@detroitmi.gov

Comcast CableCommunication
Attention: Jeff Dobies
Sr. Manager, Construction
25626 Telegraph Rd
Southfield, MI 48034
Email: jeff_dobies@comcast.com

DTEGas
Attention: Michael C Harrison
Email: det_mappingteam@dteenergy.com

EverstreamCommunication
Attention: Ryan Gallagher
GIS Specialist
1228 Euclid Ave, Suite 250
Cleveland, OH 44115
Phone: (216) 312-5876
Email: rgallagher@everstream.net

ExtenetCommunication
Email: agt_comm@irth.com

Great Lakes Water AuthorityWater
Attention: Daniel Miller
Engineer for URAP
6425 Huber St.
Detroit, MI 48211-1677
Phone: (313) 378-4908
Email: daniel.miller@glwater.org

Sigma Technologies/ComcastCommunication
Attention: Brittney Hanson
27096 Oakmead Drive
Perrysburg, OH 43551
Email: cccutilityrequests@teamsigma.com

123 NetCommunication
Attention: Megan Wright
Fiber Permitts Coordinator
24700 Northwestern Hwy., Suite 700
Southfield, MI 48075
Phone: (248) 228-8952
Email: mwright@123.net

VerizonCommunication

NOTES APPLYING TO STANDARD PLANS

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

Title	Plan No.
ROAD	
DRAINAGE STRUCTURES	R-1-G
FLAT TYPE GRATE AND FRAME	C-4392 *
DETAIL OF ALLEY RETURN AND DRIVE APPROACH	C-4384 *
STANDARD CURB DETAILS	C-4380 *
TYPICAL PLAN AND SECTION FOR CONCRETE ALLEY	C-4396*
DETAIL AND STANDARD JOINTS	C-4397*
INLET PROTECTION FABRIC DROP	01513-05 *
SESC, TEMPORARY FACILITIES	015713-10 *
SESC, MAINTENANCE NOTES	015713-11 *
SESC, GENERAL NOTES	015713-12 *
SESC MEASURES (FROM 1-5)	015713-13 *
SESC MEASURES (FROM 6-10)	015713-14 *
SESC MEASURES (FROM 11-15)	015713-15 *
SESC MEASURES (FROM 16-20)	015713-16 *
SESC MEASURES (FROM 21-25)	015713-17 *
SESC MEASURES (FROM 26-30)	015713-18 *
SESC MEASURES (FROM 31-33)	015713-19 *
SEEDING AND TREE PLANTING	R-100-I *
TRAFFIC SIGNAL BACKPLATES	SI3-304-A *
SIGNING	
STANDARD SIGN INSTALLATIONS	SIGN-100-G
ROADSIDE SIGN LOCATIONS & SUPPORT SPACING	SIGN-120-E
ALL WAY STOP AND CROSS TRAFFIC DOES NOT STOP CONDITIONS	SIGN-145-A
SIGN SUPPORT SELECTION CHARTS	SIGN-150-D
STEEL POSTS	SIGN-200-E
WORK ZONES	
TYPICAL NUMBERING KEY	100-GEN-KEY
"B", "D" AND "L" TABLES, CHANNELIZING DEVICE SPACING, SIGN BORDER KEY, AND ROLL-AHEAD SPACING	101-GEN-SPACING-CHARTS
TRAFFIC CONTROL TYPICALS NOTE SHEET	102-GEN-NOTES
TRAFFIC CONTROL TYPICALS SIGN SHEET	103-GEN-SIGN
LANE CLOSURE UTILIZING TRAFFIC REGULATORS ON A 2-LANE UNDIVDED ROADWAY	123-NFW-1LC-(R)
GROUND DRIVEN SIGN SUPPORTS FOR TEMP SIGNS	WZD-100-A *
TEMPORARY TRAFFIC CONTROL DEVICES	WZD-125-E *
* Denotes Special Detail	

MISCELLANEOUS QUANTITIES

QUANTITIES THIS SHEET

JN 218688		
CAT 0001		
1	LSUM	Mobilization, Max
0.5	Acre	Clearing, Spec
1	LSUM	Project Cleanup
50	Cyd	Aggregate Base, LM
15	Ft	Dr Structure, Adj, Add Depth
1	LSUM	Pavt, Cleaning
100	Syd	Pavt Repr, Nonreinf Conc, 8 inch
100	Syd	Pavt Repr, Rem
8	Ea	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn
8	Ea	Barricade, Type III, High Intensity, Double Sided, Lighted, Oper
14	Ea	Pedestrian Type II Barricade, Temp
1	LSUM	Minor Traf Devices
1	LSUM	Traf Regulator Control
15	Lb	Grass Seed Mix, Modified
1	LSUM	Contractor Staking
42	Hr	Staking Plan Errors and Extras, Max \$180/hour

SHEET INDEX

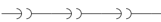
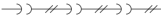
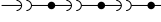
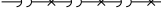
Section 1 - Road Plans	
Title	1
Project Information	2
Legend	3-5
Notes	6
Typical Sections	7-8
Miscellaneous Details	9-12
Alignment	13-15
Removal, Construction, Profile	16-30
Maintaining Traffic / Construction Staging Plans	31-34
Detail Grades	35-40
Log of Borings	41-42
Special Details	43-44

FUNDING CATEGORIES

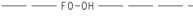
JN 218688 Roadway Reconstruction
Category 0001 Roadwork Fed/Local

UTILITIES

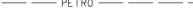
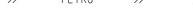
COMBINED SEWER

- 
- COMBINED SEWER
- 
- COMBINED SEWER - OUT OF SERVICE
- 
- COMBINED SEWER - TO BE TAKEN OUT OF SERVICE
- 
- COMBINED SEWER - TO BE REMOVED

COMMUNICATION

- 
- FIBER OPTIC
- 
- FIBER OPTIC - OUT OF SERVICE
- 
- FIBER OPTIC - OVERHEAD
- 
- FIBER OPTIC MARKER
- 
- CABLE
- 
- CABLE - OUT OF SERVICE
- 
- CABLE - OVERHEAD
- 
- CABLE MARKER
- 
- CABLE PEDESTAL
- 
- TELEPHONE
- 
- TELEPHONE - OUT OF SERVICE
- 
- TELEPHONE - OVERHEAD
- 
- TELEPHONE BOX
- 
- TELEPHONE MANHOLE
- 
- TELEPHONE PEDESTAL

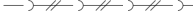
FUEL / PETROLEUM

- 
- GASOLINE FILLER PIPE
- 
- GASOLINE PUMP
- 
- GASOLINE UNDERGROUND TANK
- 
- PETROLEUM PIPELINE
- 
- PETROLEUM PIPELINE - OUT OF SERVICE
- 
- PETROLEUM PIPELINE MARKER
- 
- PETROLEUM WELL
- 
- PROPANE TANK

NATURAL GAS

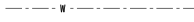
- 
- GAS LINE
- 
- GAS LINE - OUT OF SERVICE
- 
- MARKER
- 
- VALVE
- 
- WELL

SANITARY SEWER

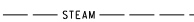
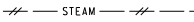
- 
- MANHOLE WITH COVER (DIA VARIES)
- 
- SEWER
- 
- SEWER - OUT OF SERVICE
- 
- SEWER - TO BE TAKEN OUT OF SERVICE
- 
- SEWER - TO BE REMOVED

WATER

- 
- FIRE HYDRANT
- 
- GATE VALVE AND BOX
- 
- GATE VALVE IN WELL
- 
- IRRIGATION CONTROL VALVE
- 
- IRRIGATION SPRINKLER HEAD
- 
- SERVICE METER
- 
- SERVICE SHUTOFF
- 
- WATER WELL

- 
- IRRIGATION
- 
- WATER MAIN
- 
- WATER MAIN - OUT OF SERVICE
- 
- WATER MAIN - TO BE TAKEN OUT OF SERVICE
- 
- WATER MAIN - TO BE REMOVED

STEAM

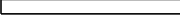
- 
- STEAM
- 
- STEAM - OUT OF SERVICE

GENERIC EXISTING UTILITIES

- 
- CATCH BASIN COVER
- 
- MANHOLE COVER
- 
- MARKER
- 
- PEDESTAL
- 
- SEWER CLEANOUT ACCESS
- 
- STRUCTURE BOTTOM (DIA VARIES)
- 
- UTILITY BOX
- 
- UTILITY

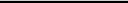
DRAINAGE

- 
- CATCH BASIN W/ COVER (DIA VARIES)
- 
- DRAINAGE STRUCTURE NUMBER
- 
- DRAIN CASTING
- 
- DROP INLET
- 
- END SECTION (SIZE VARIES)
- 
- FLOW DIRECTION ARROW
- 
- HEADWALL (SIZE VARIES)
- 
- MANHOLE W/ COVER (DIA VARIES)
- 
- MANHOLE BASE W/ COVER (SIZE VARIES)
- 
- MANHOLE TEE W/ COVER (SIZE VARIES)
- 
- OUTLET HEADWALL (SIZE VARIES)

- 
- CULVERT - EXISTING
- 
- CULVERT (SIZE VARIES)
- 
- DITCH CENTERLINE
- 
- STORM SEWER - EXISTING
- 
- STORM SEWER
- 
- STORM SEWER - TO BE REMOVED
- 
- UNDERDRAIN
- 
- WATER EDGE

NOTE:

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

FINAL ROW PLAN REVISIONS SUBMITTAL DATE:								 INFRASTRUCTURE ENGINEERING LLC 3031 W. Grand Blvd. Suite 500 Detroit, MI 48202 (313) 566-8100 info@infrastructureeng.com		NO SCALE	FILE: 2301037_LEGEND002.dgn	DATE: 03/05/25	CS:	LEGEND	DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION					DESIGN UNIT:	JN: 218688	Virginia Pk LEGEND 2	SECT 1 4	

ELECTRICAL				ARCHITECTURAL				ITS / SIGNALS				CABLING / WIRING DIAGRAM							
CONTROLLER CABINET - PAD MOUNTED Hh HANDHOLE Mh MANHOLE POLE UTILITY - EXISTING POLE UTILITY 7 TRANSFORMER - PAD MOUNTED 7h TRANSFORMER - POLE MOUNTED CABLE ✕ CABLE - TO BE REMOVED CABLE OVERHEAD ✕ CABLE OVERHEAD - TO BE REMOVED CABLE IN CONDUIT ✕ CABLE IN CONDUIT - TO BE REMOVED CABLE IN CONDUIT - DIRECTIONAL BORE				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				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				CIRCUIT BREAKER COILED WIRE FUSE FUSE SWITCH GROUND ILLUMINATED CASE SIGN METER SERVICE DISCONNECT SIGNAL HEAD			
FINAL ROW PLAN REVISIONS				SUBMITTAL DATE:															
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	INFRASTRUCTURE ENGINEERING				LEGEND							
								DATE: 03/05/25				DRAWING							
								DESIGN UNIT:				SHEET							
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								FILE: 2301037_LEGEND003.dgn				3							
												5							

GENERAL NOTES

UTILITIES

MISS DIG/UNDERGROUND UTILITY NOTIFICATION
Contact MISS DIG System, Inc. for the protection of underground utilities and in conformance with MCL 460.721 et seq, 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 working days prior to excavating, excluding weekends and holidays.

FIRE HYDRANTS
Protect existing fire hydrants within the influence of the construction area.

PERMITS
It shall be the Contractor's responsibility to ascertain whether any permits, special inspections, permit verification, etc. are required with respect to the construction operation and work under this contract. It shall be solely the Contractor's responsibility to provide for such requirements and to make payments including but not limited to connection fee, inspection/permit fee. The Contractor must obtain all necessary permits from City of Detroit, DWSD, and any other concerned agency prior to the start of construction activities.

ROW / REAL ESTATE

PROPERTY OWNERS
The names of property owners shown on the plans are for information only, and their accuracy is not guaranteed.

LAWN SPRINKLER SYSTEMS AND LANDSCAPING
Notify owners of existing lawn sprinkler systems and/or landscaping (in writing with a copy sent to the Engineer) 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, cap the system pipe and witness the location of the cap with a wooden stake for the property owner's use. 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, carefully salvage the landscaping items and stockpile them on the property owner's property for the property owner. This work is included in other items of the project. Any other modification to the lawn sprinkler systems and/or landscaping, is the responsibility of the owner and is not part of this contract.

SURVEY

PRESERVATION OF BOUNDARY MONUMENTS
Preserve all corners within the project limits, whether shown or not. Adjust monument boxes as required.

STATIONING
Stationing on this project was taken from old plans and is not necessarily accurate.

DETAILED GRADES

GRADES FOR INTERSECTIONS
Determine intersection grades before construction is started.

SIGNALIZED SIDE ROAD TO TRUNKLINE INTERSECTIONS:
Carry the normal edge of pavement grade of the trunkline across the intersection whenever possible. Establish the side road approach grade and crown to provide drainage and suitable rideability.

SIGNALIZED TRUNK LINE TO TRUNKLINE INTERSECTIONS:
Establish the grade of each trunkline to provide drainage and rideability of each trunkline. Vary the crown of each trunkline to best fit the longitudinal grades of each trunkline.

UNSIGNALIZED SIDE ROAD TO TRUNKLINE INTERSECTIONS:
Carry the normal edge of pavement grade of the trunkline across the intersection and establish the side road approach grade and crown to provide drainage.

SIDEWALK AND CURB RAMP GRADES
After staking the sidewalk and curb ramps contact the Engineer to verify the grades and authorize construction.

EARTHWORK

EARTHWORK
Earthwork quantities are computed by the average end area method based upon ground survey information.

EARTH DISTURBANCE LIMITS
Limit earth disturbance to 10' beyond the slope stake line or to the ROW line whichever is less except areas adjacent to wetlands where the limits of earth disturbance are at the slope stake line. The plans include restoration measures for the approved areas of disturbance. Submit an earth change plan to the Engineer to review and approve for any work beyond the approved areas of disturbance. Costs for obtaining and executing an approved earth change plan, including restoration are the Contractor's responsibility.

SOIL EROSION MEASURES
Place appropriate soil erosion and sedimentation control measures prior to earth-disturbing activities. Place turf establishment items as soon as possible on potential erodible slopes as directed by the Engineer.

AGGREGATE BASE
Use aggregate 21AA for aggregate bases unless otherwise specified.

DRAINAGE

ILLICIT CONNECTIONS TO STORM WATER SYSTEM
Reconnect existing storm conveyance systems not shown on the plans with minimal interruption in service. Report any suspect illicit discharge observed including size, type, and location by station and offset to the Engineer prior to reconnecting and proceed as directed.

TEMPORARY BULKHEADS
Use temporary bulkheads as needed for part width construction of culverts and sewers. Costs associated with temporary bulkheads are included in the items for the culverts and sewers.

PAVEMENT

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
Strike off, consolidate, and hand finish concrete pours using hand methods on variable width lanes and lanes formed by flexible forms for short radius curves, as directed by the Engineer.

TURF ESTABLISHMENT

SEED MIXTURE
Use symbol TUF for the permanent turf seed mixture.

SIGNS

EXISTING SIGN RELOCATION
Salvage and reset any permanent signs requiring relocation due to Contractor operations at locations designated by the Engineer. Replace signs and posts damaged during the removal and storage operations with new signs and posts. The cost of this work is the Contractor's responsibility.

PLAN SCALE
The final plans submitted with the proposal are not to scale. Fabricate proposed signs and structures shown on plan sheets in accordance with Typical Plans, Standards, and/or Details at locations described.

SIGN LAYOUT
Use the current English edition of "Standard Highway Signs" manual or details in plans for proposed sign layouts. Use the "SignCAD" software to determine the legend length.

SHEETING
Splice sheeting used for Type I signs with a 3-inch overlap.

SIGN INSTALLATION
Place nylon washers between the steel washer and the sign face sheeting. The nylon washers are to be considered part of the attaching devices and hardware. Use nylon washers with a 3/8-inch inner diameter, a 7/8-inch outer diameter and a 1/16-inch thickness.

BENCHMARKS

VIRGINIA PARK: BM 201
ALIGNMENT: VIRGINIA PARK NON-LEGAL ALI
STATION: 00+46.91'
OFFSET: 16.79' RIGHT
NORTHING: 320880.19'
EASTING: 13469623.37'
ELEVATION: 152.113'

VIRGINIA PARK: BM 200
ALIGNMENT: VIRGINIA PARK NON-LEGAL ALI
STATION: 06+57.49'
OFFSET: 16.73' LEFT
NORTHING: 321188.37'
EASTING: 13470151.47'
ELEVATION: 152.822'

VIRGINIA PARK: BM 202
ALIGNMENT: VIRGINIA PARK NON-LEGAL ALI
STATION: 08+84.72'
OFFSET: 15.99' RIGHT
NORTHING: 321262.84'
EASTING: 13470368.64'
ELEVATION: 152.302'

VIRGINIA PARK: BM 203
ALIGNMENT: VIRGINIA PARK NON-LEGAL ALI
STATION: 13+26.74'
OFFSET: 16.12' RIGHT
NORTHING: 321464.23'
EASTING: 13470762.11'
ELEVATION: 152.47'

VIRGINIA PARK: BM 204
ALIGNMENT: VIRGINIA PARK NON-LEGAL ALI
STATION: 17+16.27'
OFFSET: 15.79' RIGHT
NORTHING: 321642.10'
EASTING: 13471108.66'
ELEVATION: 151.082'

VIRGINIA PARK: BM 205
ALIGNMENT: VIRGINIA PARK NON-LEGAL ALI
STATION: 21+70.47'
OFFSET: 15.46' RIGHT
NORTHING: 321849.45'
EASTING: 13471512.76'
ELEVATION: 151.114'

PROJECT SPECIFIC NOTES

EROSION CONTROL PROGRAM

Department of Public Works (DPW) is an Authorized Public Agency (APA) entity and has been granted the by the State of Michigan the privilege to undertake earth change activities without having to obtain Soil Erosion and Sedimentation Control (SESC) permit. The contractor shall comply with the provisions of the State of Michigan's SESC law and requirements. The contractor shall follow the DPW Procedures, create the required soil erosion control plans, and obtain plan approval from the DPW Project Manager or DPW Acting Official APA Contact.

If the City of Detroit receives any SESC violation notice and/or fines associated with this project, the contractor must correct any violation within 24 hours of receiving notice from the DPW. The contractor shall hold the City harmless by paying for all SESC fines associated with the project.

SEWER INSPECTION AND CLEANOUT / REPAIRS

Contractor must perform sewer inspection and cleanout / repairs prior to grade work and paving.

SALVAGING MATERIAL

Care shall be taken when removing existing brick paver and curb and gutter. Existing Bricks shall be cleaned and reused in the block they are removed from. Contractor shall contact City of Detroit and Engineer to confirm which brick can be reused.

The block club has acquired additional brck to be used for this project. Block club bricks deemed to be in good condition by the City of Detroit and Engineer shall be used as directed by the City of Detroit and Engineer.

FINAL ROW PLAN REVISIONS SUBMITTAL DATE:								NOTE				DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	Virginia Pk STA 0+10 TO STA 22+35				Virginia Pk	SECT 1
								VIRGINIA PARK STREET				NOTE	
												1	6



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ENGINEERING
10111 HAWTHORNE AVE
DETROIT, MI 48204
313.963.1100
WWW.INFRASTRUCTUREENGINEERING.COM



NO SCALE

FILE: 2301037_NOTE001.dgn

DATE: 03/05/25

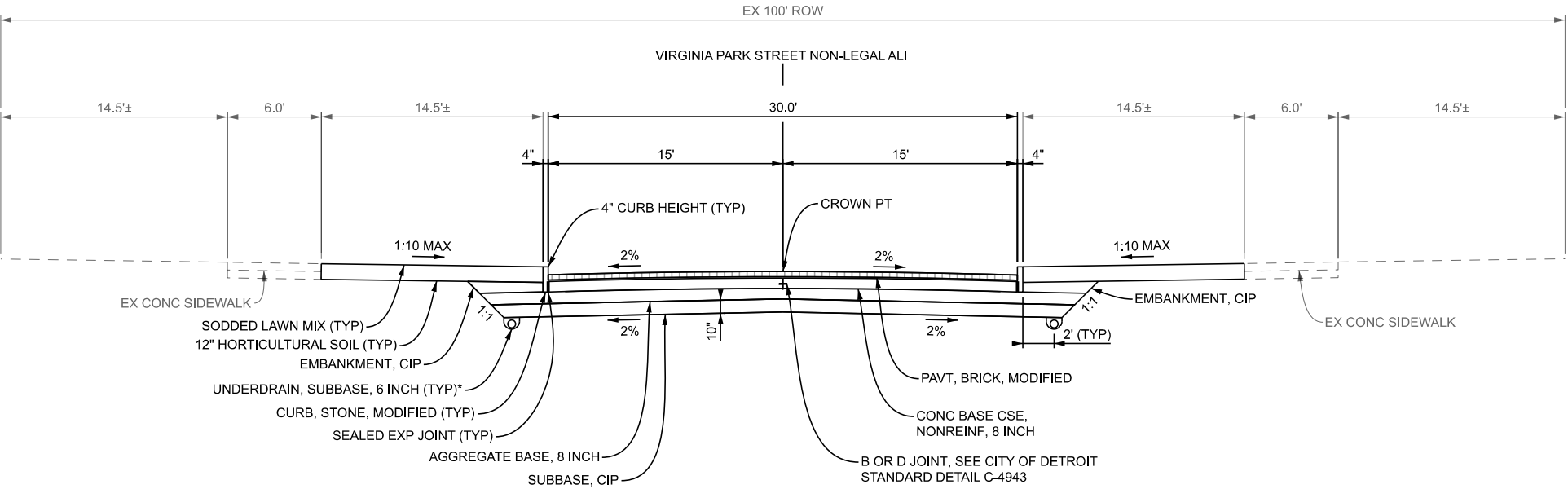
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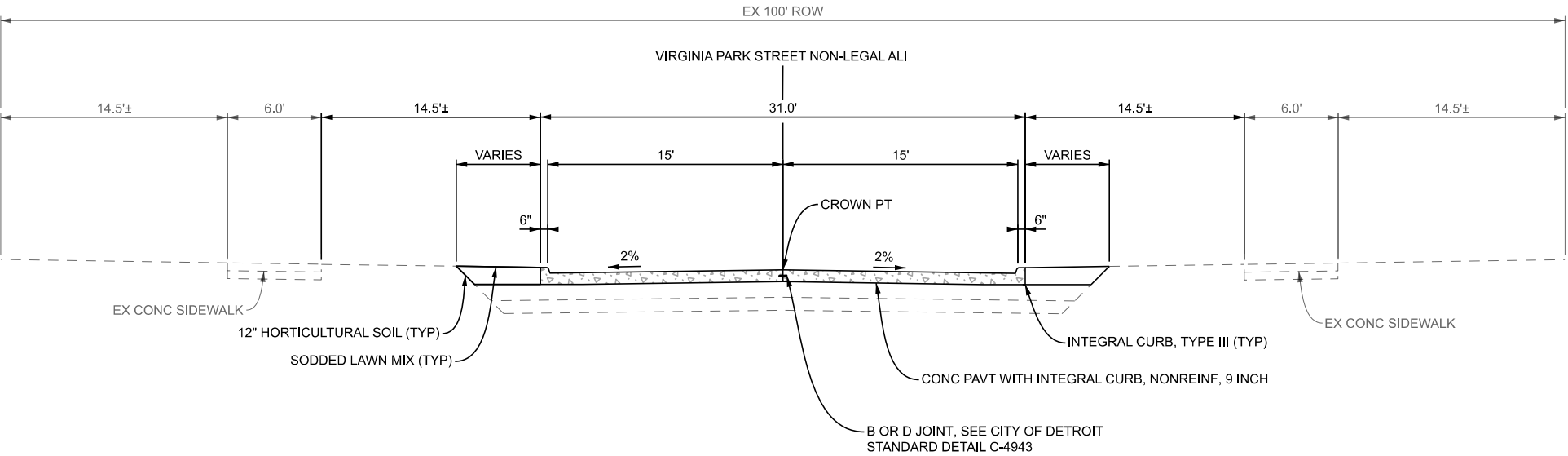
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FINAL ROW PLAN REVISIONS								SUBMITTAL DATE:		 INFRASTRUCTURE ENGINEERING LLC 301 N. Grand Blvd Suite 301 Detroit, MI 48202 (734) 588-0100 P: 734-588-0100 E: info@infrastructureeng.com				 0 VERT. (FT) 10 0 HORIZ. (FT) 10		DATE: 03/05/25 DESIGN UNIT: TSC:		CS: JN: 218688		TYPICAL CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	EXISTING VIRGINIA PARK												Virginia Pk	SECT 1		
								VIRGINIA PARK STREET												TYP	7		



PROPOSED TYPICAL SECTION VIRGINIA PARK

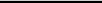
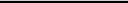
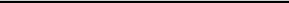
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STA 0+30 TO STA 5+84
STA 6+63 TO STA 14+81
STA 15+62 TO STA 22+05

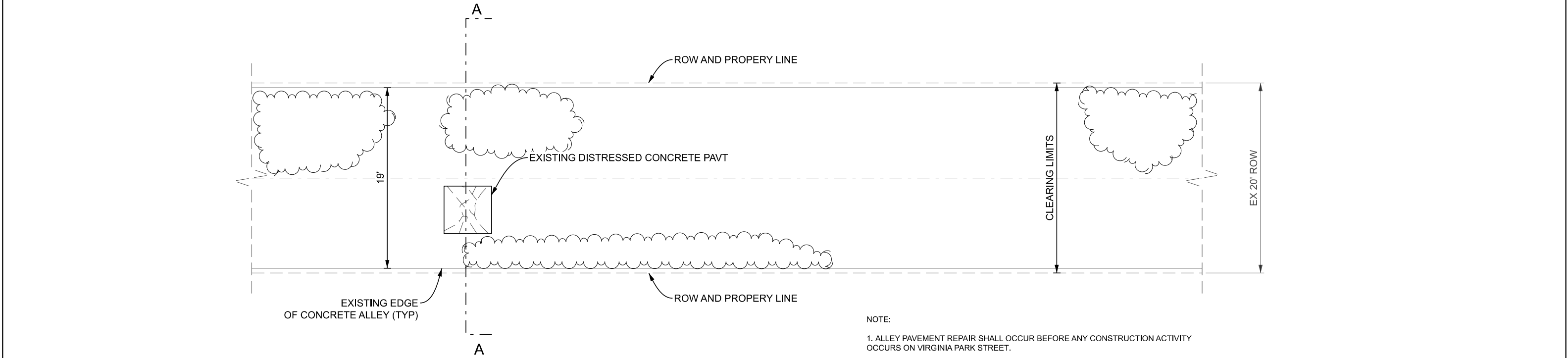


PROPOSED TYPICAL SECTION VIRGINIA PARK

SECTION APPLIES TO:
STA 22+05 TO STA 22+35.04

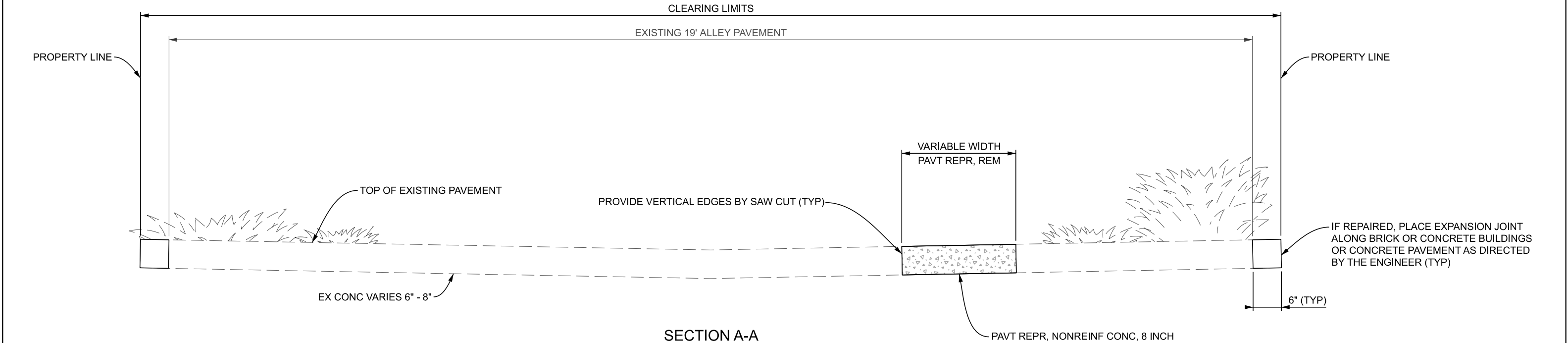
NOTE: SEE CONSTRUCTION PLANS FOR SIDEWALK AND DRIVEWAY REPLACEMENT.
* NOTE: CONTRACTOR TO USE SMOOTH PERFORATED PLASTIC UNDERDRAIN PIPE.

FINAL ROW PLAN REVISIONS								SUBMITTAL DATE:			INFRASTRUCTURE ENGINEERING 101 W. Grand Ave. Suite 300 Detroit, MI 48202 973-556689 973-556689 973-556689		0 VERT. (FT) 10  0 HORZ. (FT) 10		DATE: 03/05/25	CS:	TYPICAL CROSS SECTIONS		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	DESIGN UNIT:	JN: 218688					PROPOSED VIRGINIA PARK		Virginia Pk	SECT 1			
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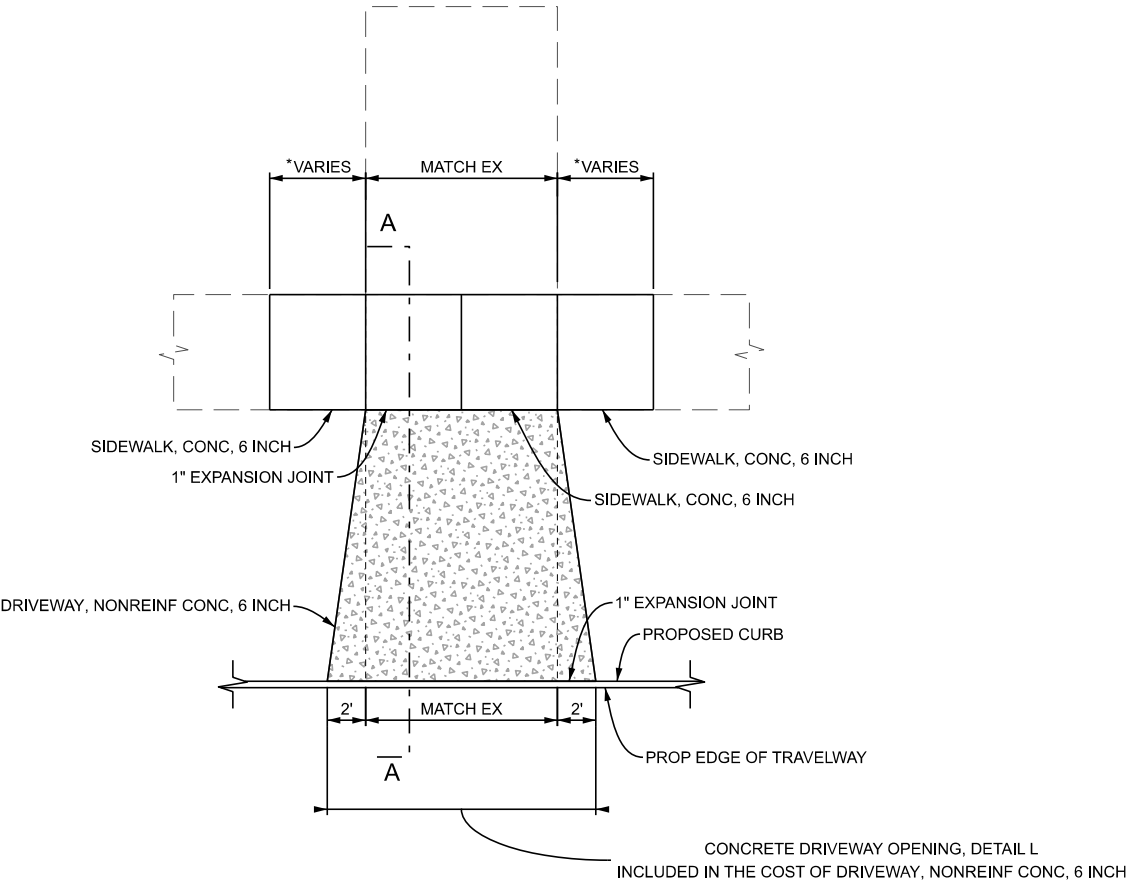
ALLEY PLAN VIEW

- NOTE:
- 1. ALLEY PAVEMENT REPAIR SHALL OCCUR BEFORE ANY CONSTRUCTION ACTIVITY OCCURS ON VIRGINIA PARK STREET.
 - 2. THE CONTRACTOR SHALL NOTIFY THE CITY OF DETROIT AND ENGINEER BEFORE REMOVAL. THE CITY OF DETROIT AND ENGINEER SHALL DEFINE THE LOCATIONS WHERE PAVT REPR IS REQUIRED.

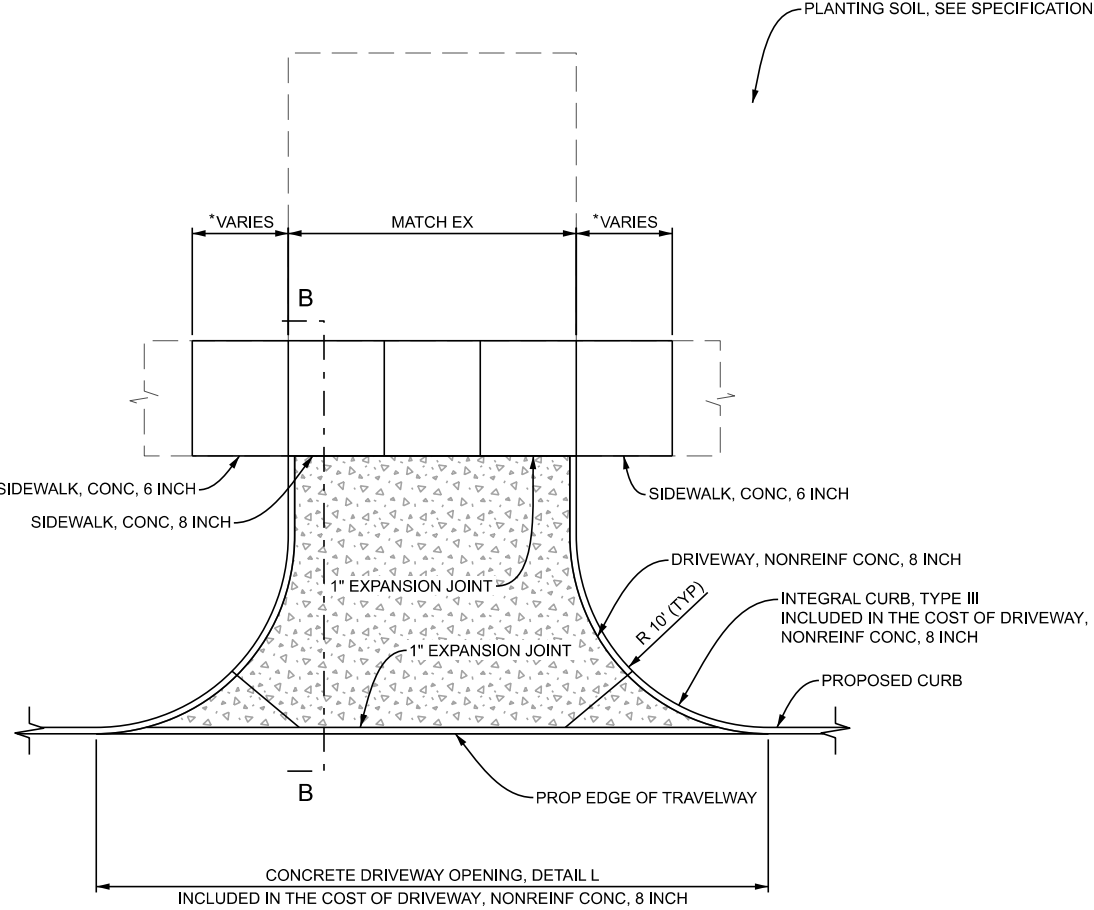


SECTION A-A

FINAL ROW PLAN REVISIONS								SUBMITTAL DATE:		 INFRASTRUCTURE ENGINEERING 2021, 16, Grand Blvd Suite 100 Detroit, MI 48222 P: 313.468.8181 F: 313.468.8182 www.infrastructureeng.com		NO SCALE	FILE: 2301037_MSCDET001.dgn	DATE: 03/05/25	CS:	MISCELLANEOUS DETAILS	DRAWING	SHEET
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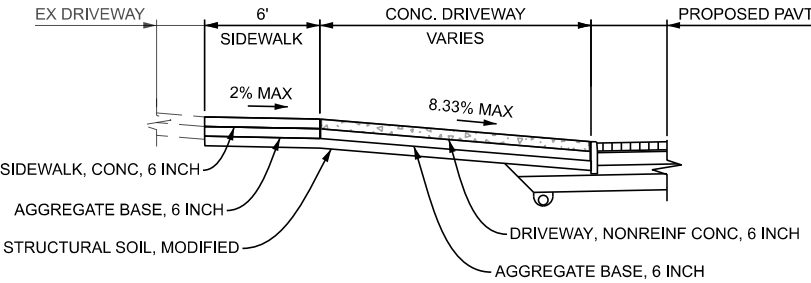


RESIDENTIAL DRIVEWAY DETAIL

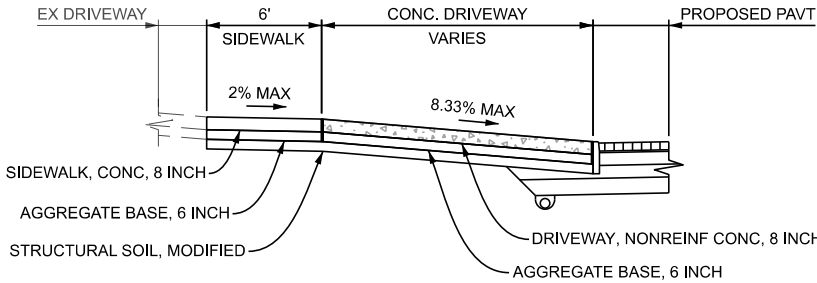


ALLEY APPROACH DETAIL

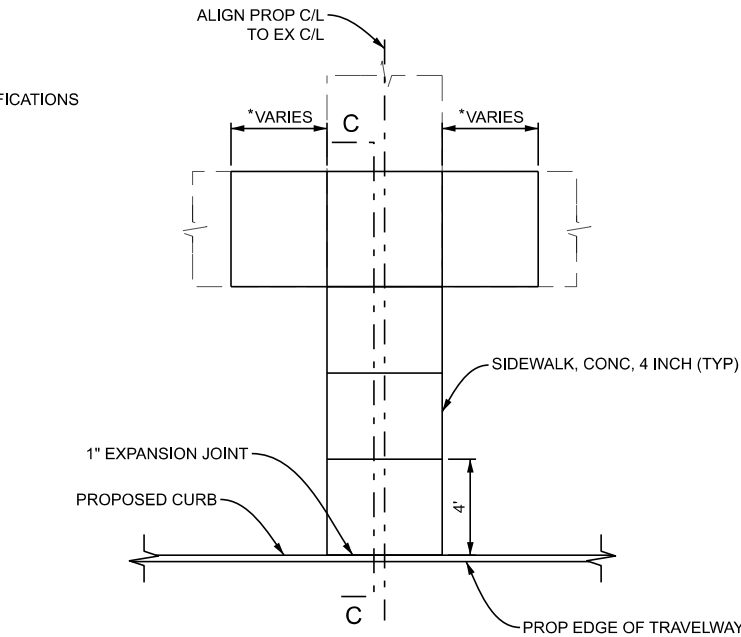
* NOTE: IN ORDER TO ACHIEVE 2% MAX CROSS SLOPE, RECONSTRUCT 5' OR TO NEXT AVAILABLE JOINT.



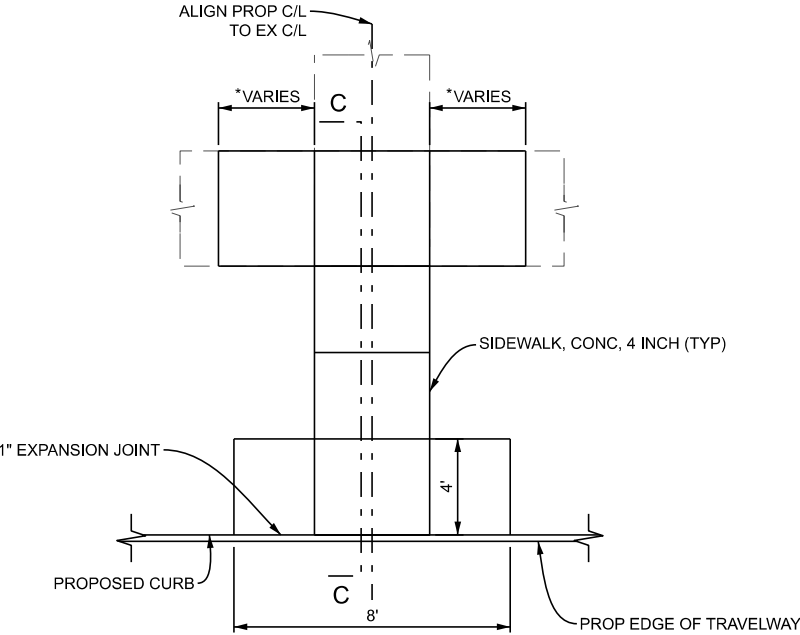
SECTION A-A



SECTION B-B

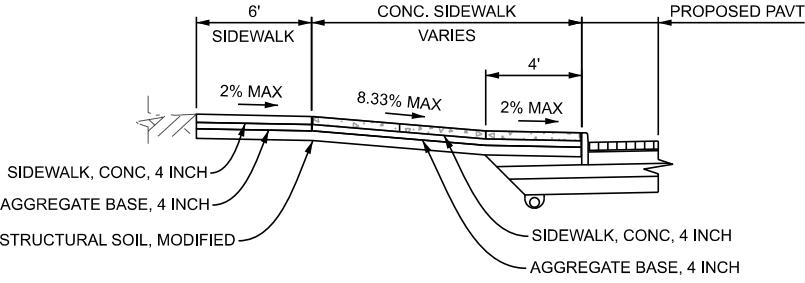


PROPOSED SIDEWALK DETAIL

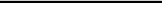


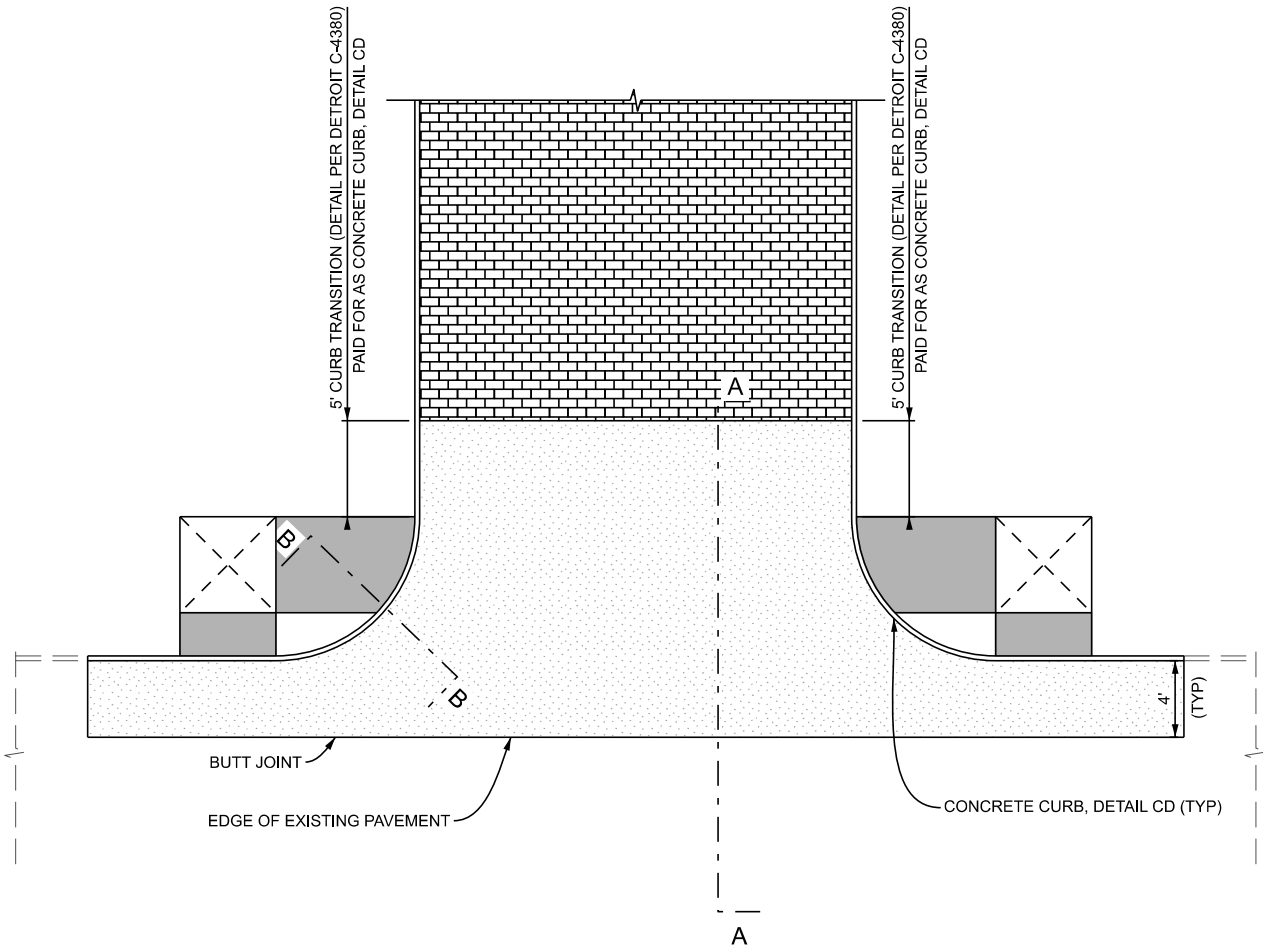
PROPOSED SIDEWALK DETAIL WITH ACCESS PAD

NOTE: SEE CONSTRUCTION PLANS FOR SIDEWALK WITH ACCESS PAD LOCATIONS

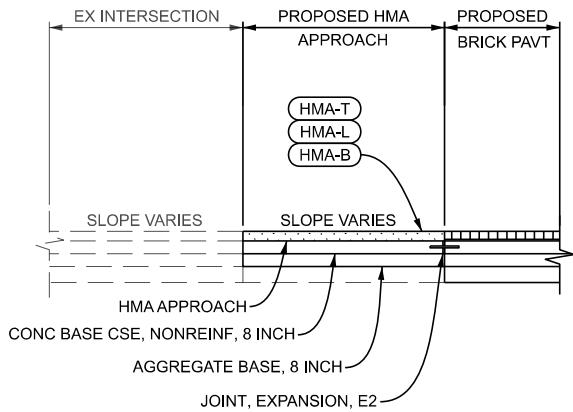


SECTION C-C

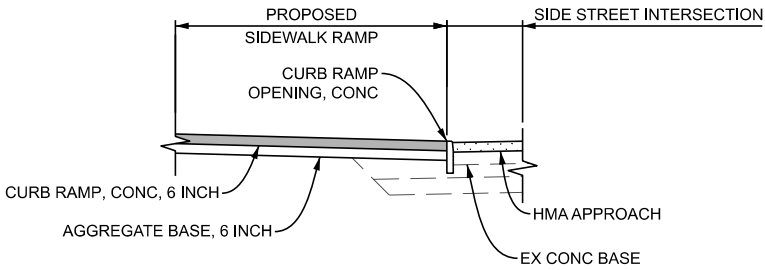
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Virginia Pk STA 0+10 TO STA 22+35		Virginia Pk		SECT 1																			
VIRGINIA PARK STREET		MSCDET		10																			
		2																					
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION																
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SIDE STREET INTERSECTION
APPROACH DETAIL



SECTION A-A



SECTION B-B

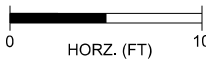
HMA APPLICATION ESTIMATE				
IDENT NO.	ITEM	RATE LBS PER SYD	PERFORMANCE GRADE	REMARKS
HMA-T	HMA APPROACH	220	58-28	HMA, 36A - TOP COURSE - SIDESTREET INTERSECTION
HMA-L	HMA APPROACH	220	58-28	HMA, 13A - LEVELING COURSE - SIDESTREET INTERSECTION
HMA-B	HMA APPROACH	220	58-28	HMA, 13A - BASE COURSE - SIDESTREET INTERSECTION
HP	HAND PATCHING	660	58-28	HMA 13A - FOR ALLEY PATCHING - 2" MAX LIFTS
	* BOND COAT	0.05-0.15 GAL		

* FOR INFORMATION ONLY

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



INFRASTRUCTURE
ENGINEERING
INC.
2021 W. Grand Blvd Suite 100 | Detroit, MI 48202
313.568.8888 | 313.568.8888



FILE: 2301037_MSCDET003.dgn

DATE: 03/05/25

DESIGN UNIT:

TSC:

CS:

JN: 218688

MISCELLANEOUS DETAILS

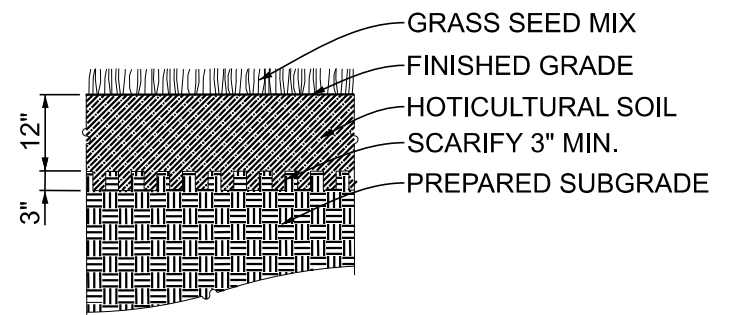
Virginia Pk STA 0+10 TO STA 22+35

VIRGINIA PARK STREET

DRAWING SHEET

Virginia Pk SECT 1

MSCDET 3 11



SOIL PREPARATION DETAIL

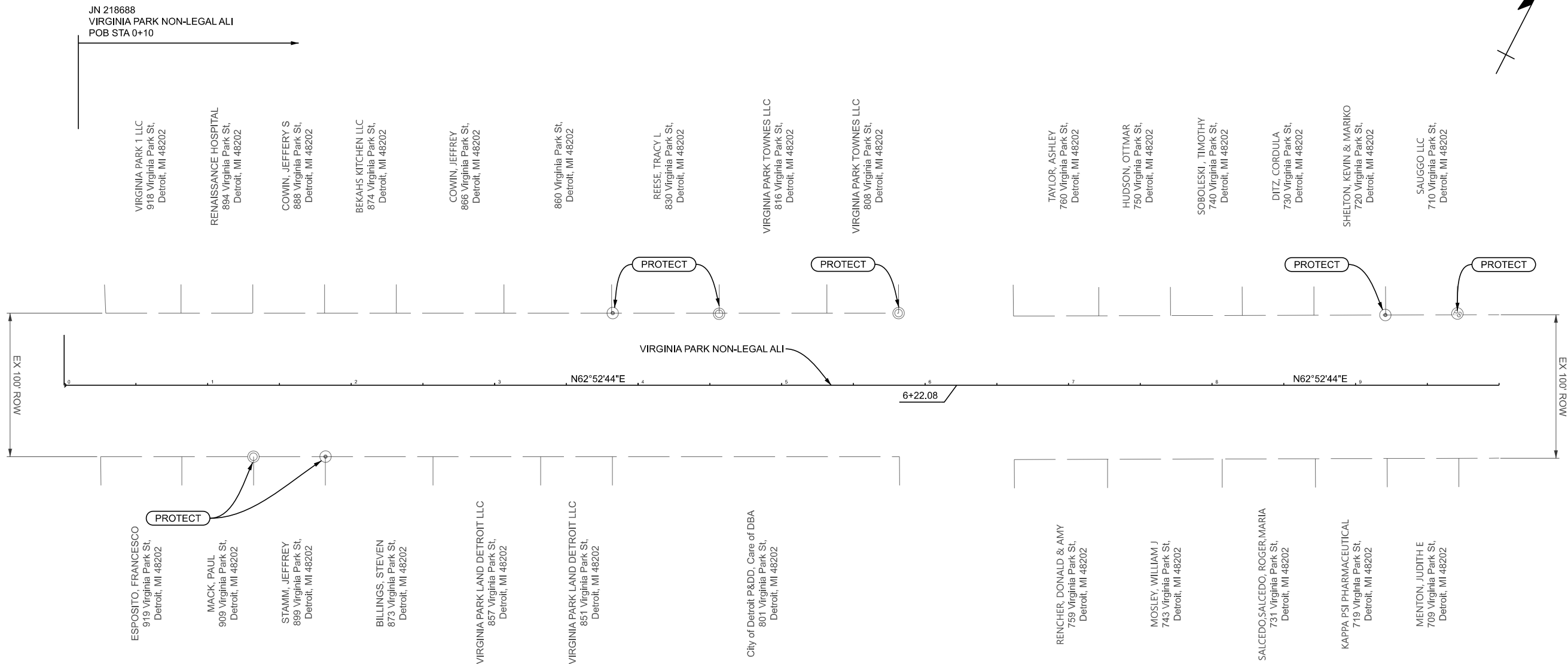
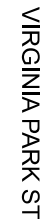
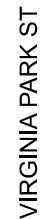
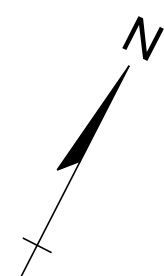
TREE PLANTING DETAIL
ULMUS AMERICANA 'PRINCETON' NURSERY STOCK

FINAL ROW PLAN REVISIONS SUBMITTAL DATE:								 INFRASTRUCTURE ENGINEERING OF MICHIGAN, LLC 3030 W. Grand Blvd Suite 500 Detroit, MI 48202 313.245.0885 p 313.245.0183 e info@infrastructureeng.com		 0 10 HORZ. (FT)	DATE: 03/05/25	CS:	MISCELLANEOUS DETAILS	DRAWING	SHEET
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ALIGNMENT KEY	
VIRGINIA PARK NON-LEGAL ALI:	VIRGINIA PARK NON-LEGAL ALIGNMENT AS PROPOSED FOR JN 218688

JOHN C LODGE SERVICE DR

3RD AVE



JOHN C LODGE SERVICE DR

3RD AVE

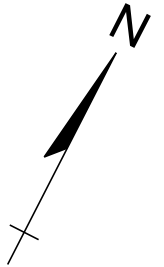
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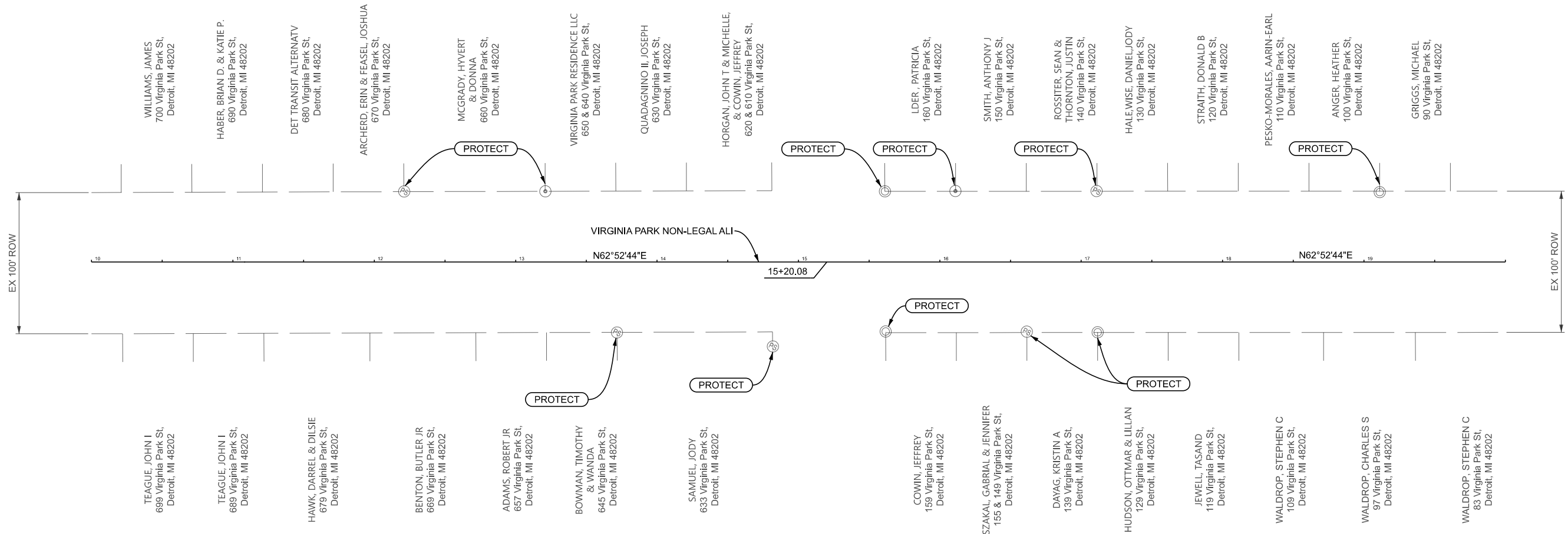
VIRGINIA PARK NON-LEGAL ALIGNMENT AS PROPOSED FOR JN 218688

2ND AVE



VIRGINIA PARK ST

VIRGINIA PARK ST



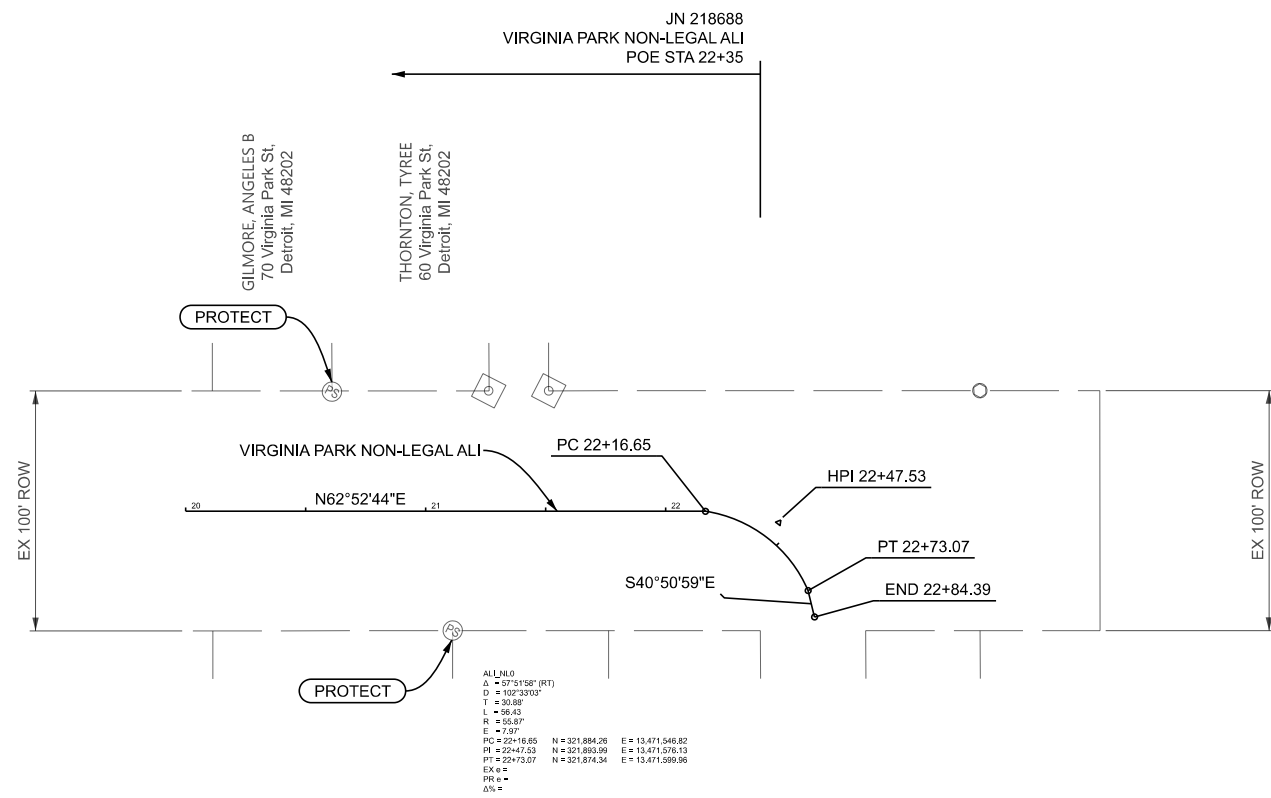
2ND AVE

FINAL ROW PLAN REVISIONS SUBMITTAL DATE:										 INFRASTRUCTURE ENGINEERING LLC 3031 W. Grand Blvd Suite 500 Detroit, MI 48202 313.448.8173 313.448.8183 www.infrastructureeng.com		 City of Detroit		 0 80 HORZ. (FT)		DATE: 03/05/25		CS:		ALIGNMENT		DRAWING	SHEET						
NO.		DATE		AUTH		DESCRIPTION		NO.								DATE		AUTH		DESCRIPTION		DESIGN UNIT:		JN: 218688		Virginia Pk STA 10+00 TO STA 20+00		/virginia Pk	SECT 1
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ALIGNMENT KEY

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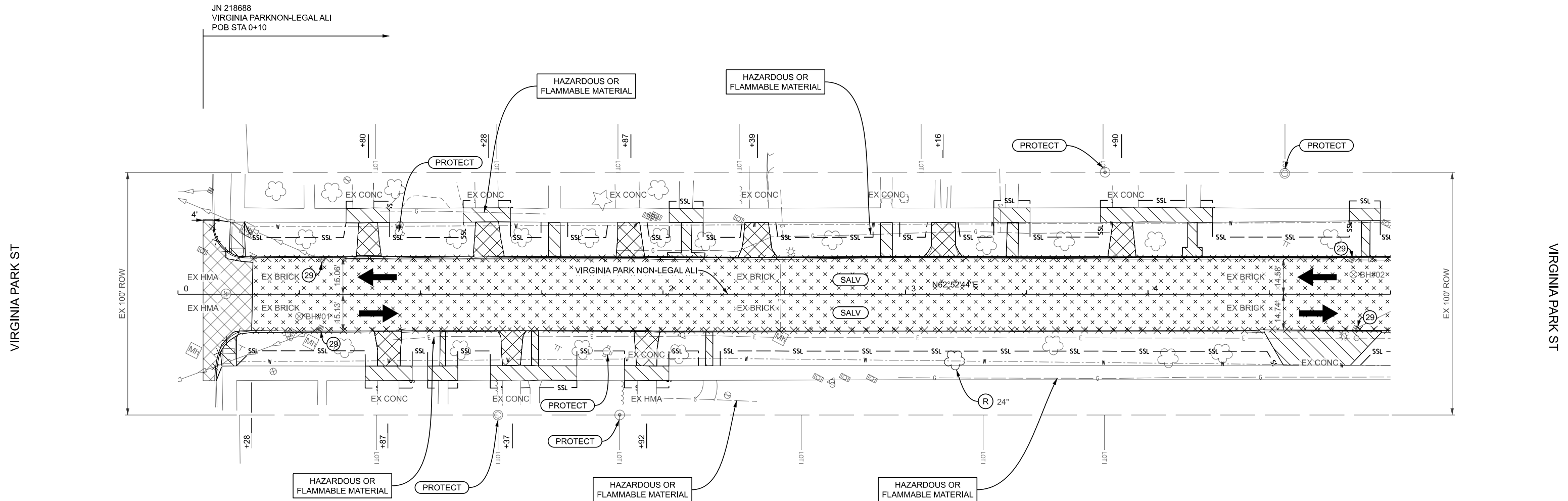
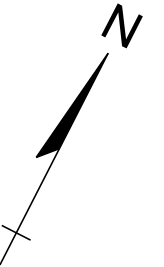
VIRGINIA PARK NON-LEGAL ALIGNMENT AS PROPOSED FOR JN 218688



VIRGINIA PARK ST

VIRGINIA PARK ST

FINAL ROW PLAN REVISIONS								SUBMITTAL DATE:		 INFRASTRUCTURE ENGINEERING OF MICHIGAN, LLC 3030 W. Grand Blvd Suite 500 Detroit, MI 48202 313.448.8873 313.448.8188 www.infrastructureeng.com		 City of Detroit		 0 80 HORZ. (FT)				DATE: 03/05/25		CS:		ALIGNMENT		DRAWING	SHEET
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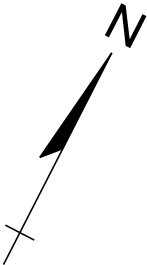


QUANTITIES THIS SHEET		
JN 218688		
CAT 0001		
1	Ea	Tree, Rem, 19 inch to 36 inch
804	Ft	Curb, Rem
2589	Syd	Pavt, Rem
275	Syd	Sidewalk, Rem
785	Syd	Pavt, Rem, Brick, Salv, Modified
1371	Cyd	Excavation, Earth
4	Ea	Erosion Control, Inlet Protection, Fabric Drop
94	Syd	HMA Surface, Rem
188	Ft	Curb, Removal, Stone, Salv, Modified

JOHN C LODGE SERVICE DR

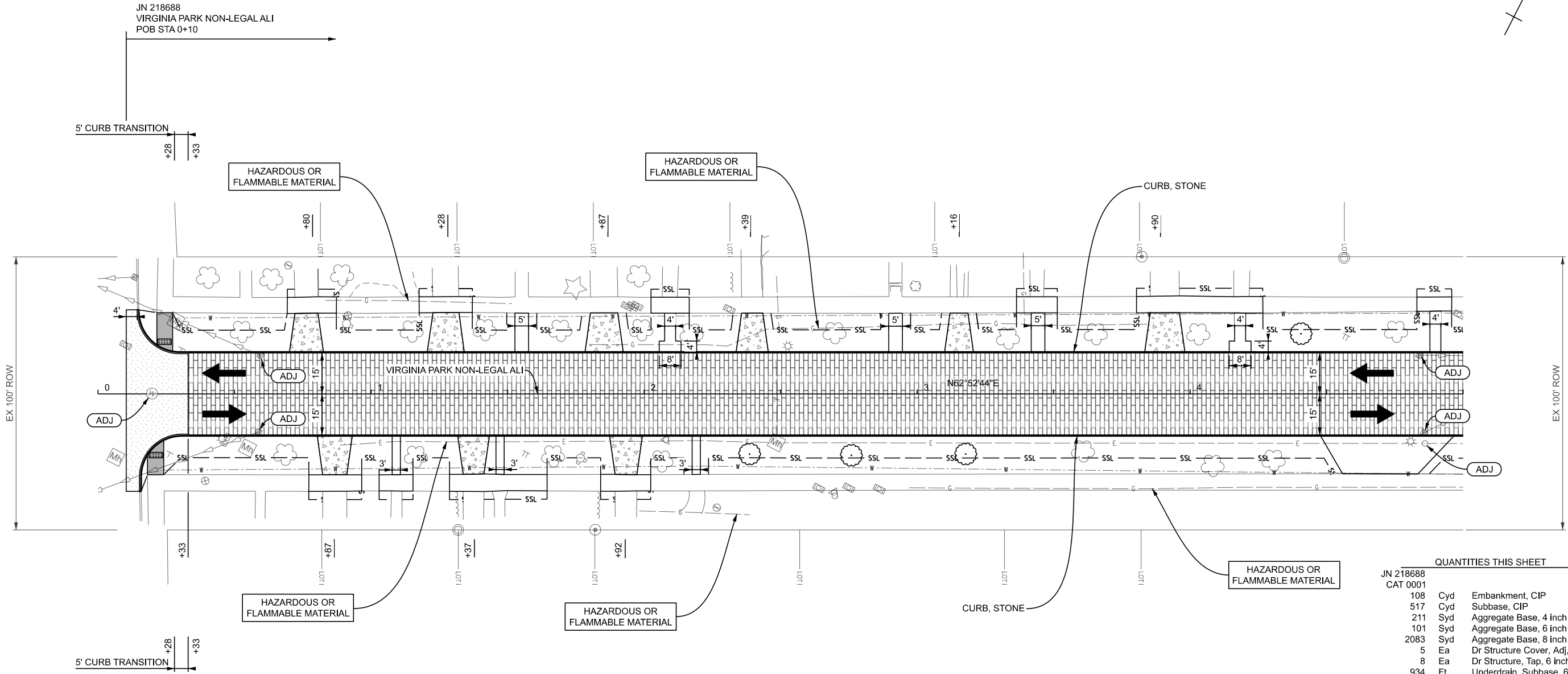
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JOHN C LODGE SERVICE DR



VIRGINIA PARK ST

VIRGINIA PARK ST

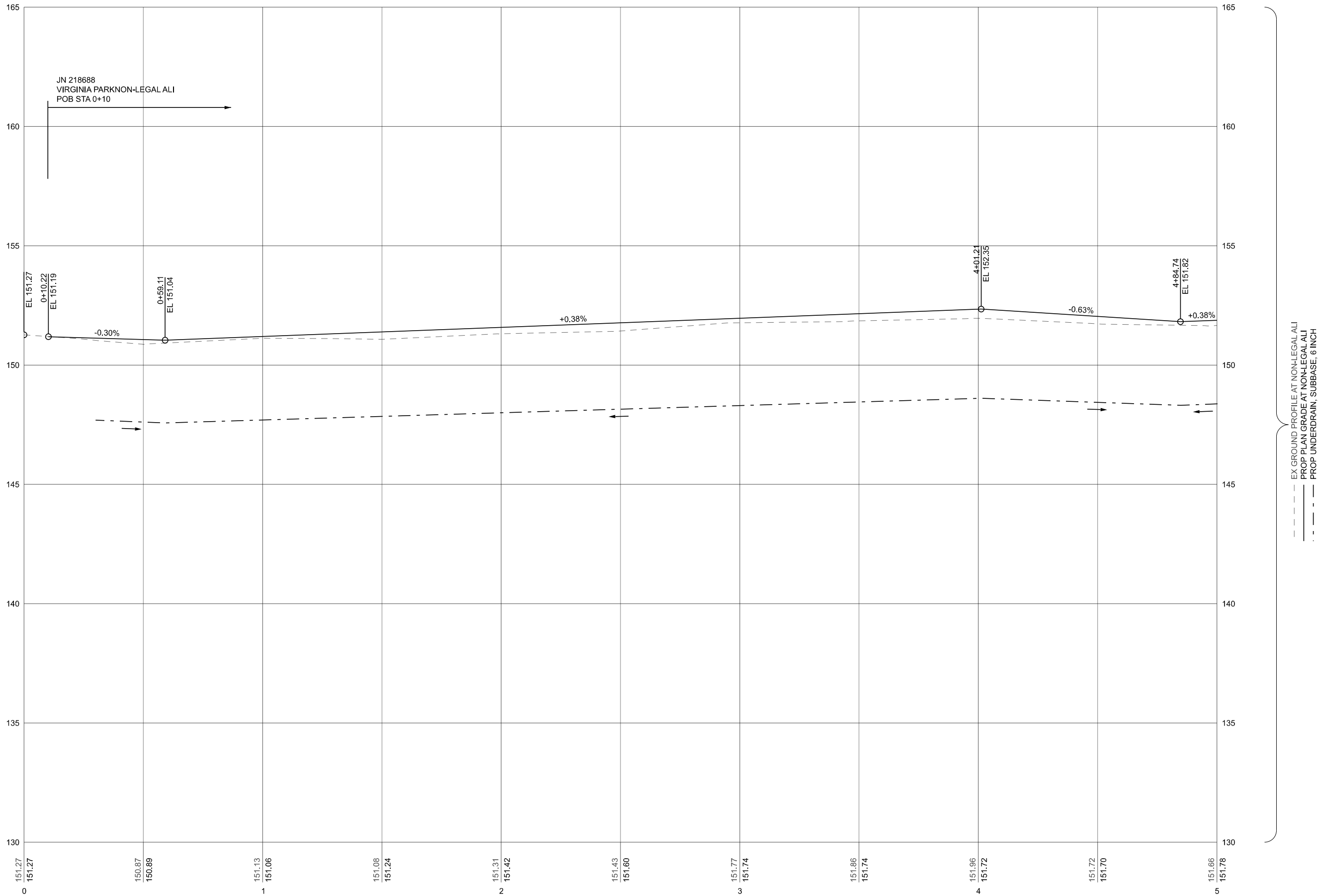


QUANTITIES THIS SHEET

JN 218688		
CAT 0001		
108	Cyd	Embankment, CIP
517	Cyd	Subbase, CIP
211	Syd	Aggregate Base, 4 inch
101	Syd	Aggregate Base, 6 inch
2083	Syd	Aggregate Base, 8 inch
5	Ea	Dr Structure Cover, Adj, Case 1
8	Ea	Dr Structure, Tap, 6 inch
934	Ft	Underdrain, Subbase, 6 inch
34	Ton	HMA Approach
1661	Syd	Conc Base Cse, Nonreinf, 8 inch
31	Ft	Joint, Expansion, E2
187	Ft	Curb, Stone, Salv
188	Ea	Curb, Stone, Off-Site
44	Ft	Conc Curb, Detail CD
10	Ft	Detectable Warning Surface
15	Ft	Curb Ramp Opening, Conc
1655	Sft	Sidewalk, Conc, 4 inch
832	Sft	Sidewalk, Conc, 6 inch
139	Sft	Curb Ramp, Conc, 6 inch
779	Syd	Pavt, Brick, Off-site
779	Syd	Pavt, Brick, Salv
33	Cyd	Horticultural Soil, Modified
79	Cyd	Structural Soil, Modified
4	Ea	Ulmus Americana 'Princeton' Nursery Stock
36	Lb	Grass Seed Mix, Modified
1	Ea	Gate Box, Adj, Case 1

DRIVEWAY TABLE							Aggregate Base, 6 inch	Driveway, Nonreinf Conc, 6 inch
ALIGNMENT	STATION	BACK OFFSET FROM CL	PROP DRIVEWAY SLOPE	PROP DRIVEWAY WIDTH	RADIUS ENTERING	RADIUS EXITING		
		FT	%	FT	FT	FT	Syd	Syd
Virginia Park	0+80 LT	30	-7.67%	12.5	N/A	N/A	18	17
Virginia Park	0+87 RT	30	10.13%	13	N/A	N/A	19	18
Virginia Park	1+28 LT	30	-7.30%	13.5	N/A	N/A	21	19
Virginia Park	1+37 RT	30	8.96%	11.5	N/A	N/A	17	15
Virginia Park	1+87 LT	30	-6.90%	14	N/A	N/A	21	20
Virginia Park	1+92 RT	30	7.90%	12	N/A	N/A	18	16
Virginia Park	2+39 LT	30	-6.58%	12	N/A	N/A	18	16
Virginia Park	3+16 LT	30	-5.71%	10.5	N/A	N/A	16	14
Virginia Park	3+90 LT	30	-5.97%	15	N/A	N/A	22	21
TOTAL							170	156

JOHN C LODGE SERVICE DR



FINAL ROW PLAN REVISIONS SUBMITTAL DATE:								PROFILE				DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	Virginia Pk STA POB 0+10 TO STA 5+00				Virginia Pk PROF 1	SECT 1 18
								VIRGINIA PARK STREET					

INFRASTRUCTURE
ENGINEERING
BY MICHAEL, LLC
2001 W. Grand Blvd. Suite 100 | Detroit, MI 48202
313.566.8888 | 313.566.8889 | michael@infrastructure-engineering.com

0 10
VERT. (FT)

0 40
HORZ. (FT)

DATE: 03/05/25

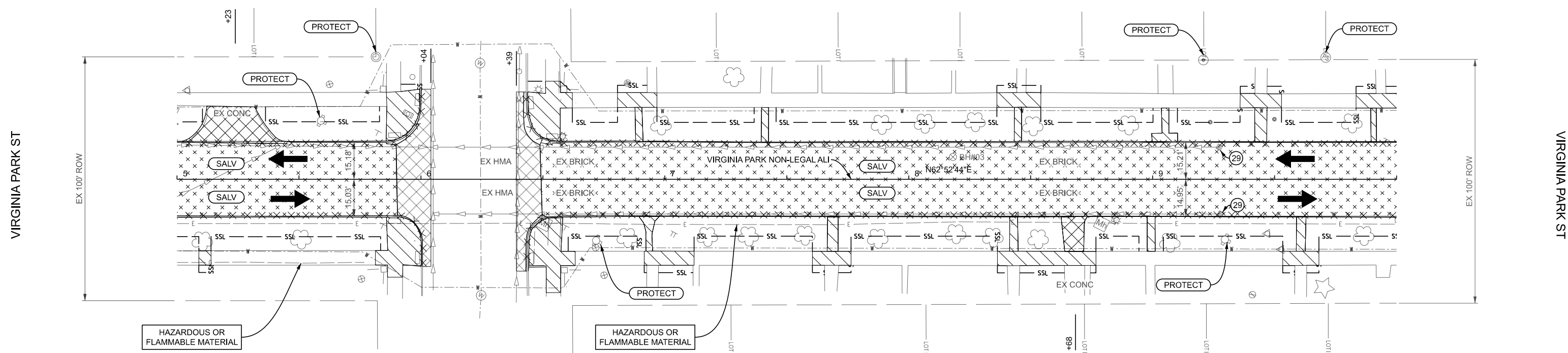
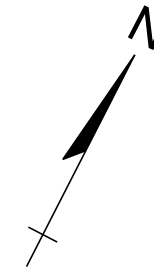
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TSC:

CS:

JN: 218688

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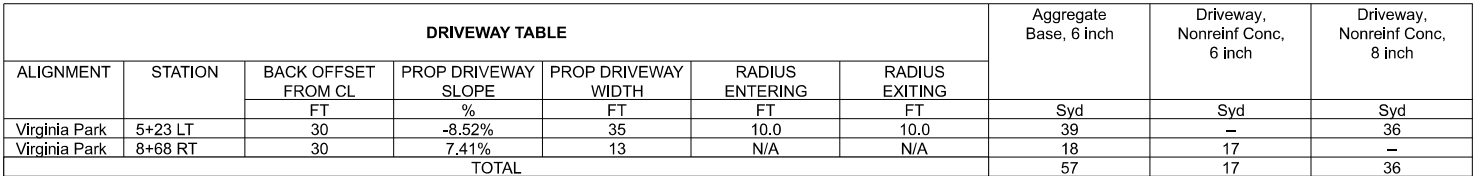


3RD AVE

FINAL ROW PLAN REVISIONS SUBMITTAL DATE:								 INFRASTRUCTURE ENGINEERING JAY MICHAEL, LLC 3031 W. Grand Street Suite 100 Detroit, MI 48202 313.242.0888 jay@infrastructureeng.com		 0 40 HORZ. (FT)		DATE: 03/05/25	CS:	REMOVAL		DRAWING	SHEET			
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION					DESIGN UNIT:		JN: 218688	Virginia Pk STA 5+00 TO STA 10+00			Virginia Pk	SECT 1	
												FILE: 2301037_REM_002.dgn		TSC:				VIRGINIA PARK STREET		REM 2

VIRGINIA PARK ST

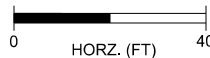
VIRGINIA PARK ST



QUANTITIES THIS SHEET

JN 218688		
CAT 0001		
101	Cyd	Embankment, CIP
463	Cyd	Subbase, CIP
242	Syd	Aggregate Base, 4 inch
68	Syd	Aggregate Base, 6 inch
1971	Syd	Aggregate Base, 8 inch
2	Ea	Dr Structure Cover, Adj, Case 1
4	Ea	Dr Structure, Tap, 6 inch
836	Ft	Underdrain, Subbase, 6 inch
68	Ton	HMA Approach
1600	Syd	Conc Base Cse, Nonreinf, 8 inch
61	Ft	Joint, Expansion, E2
168	Ea	Curb, Stone, Off-Site
89	Ft	Conc Curb, Detail CD
40	Ft	Detectable Warning Surface
56	Ft	Curb Ramp Opening, Conc
1851	Sft	Sidewalk, Conc, 4 inch
417	Sft	Sidewalk, Conc, 6 inch
517	Sft	Curb Ramp, Conc, 6 inch
697	Syd	Pavt, Brick, Off-site
697	Syd	Pavt, Brick, Salv
32	Cyd	Horticultural Soil, Modified
79	Cyd	Structural Soil, Modified
7	Ea	Ulmus Americana "Princeton" Nursery Stock
35	Lb	Grass Seed Mix, Modified

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



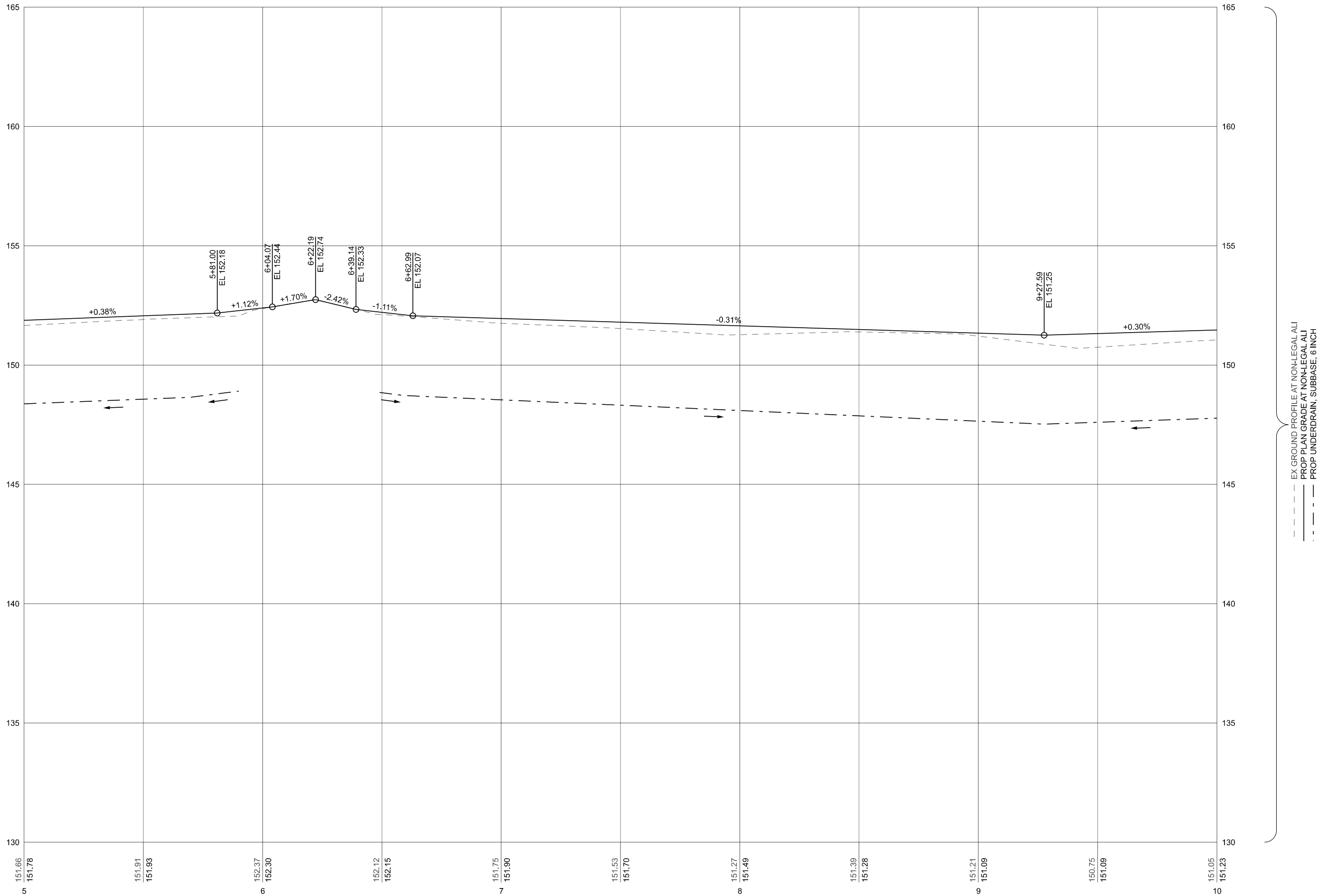
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DATE: 03/05/25
DESIGN UNIT:
TSC:

CS:
JN: 218688

CONSTRUCTION
Virginia Pk STA 5+00 TO STA 10+00
VIRGINIA PARK STREET

DRAWING	SHEET
Virginia Pk CON 2	SECT 1 20



FINAL ROW PLAN REVISIONS SUBMITTAL DATE:								PROFILE				DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	Virginia Pk STA 5+00 TO STA 10+00				Virginia Pk	SECT 1
								VIRGINIA PARK STREET				PROF	21
												2	

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PH: 313.468.8888 | WWW.INFRASTRUCTUREENGINEERING.COM

City of Detroit

0 10
VERT. (FT)

0 40
HORZ. (FT)

DATE: 03/05/25

DESIGN UNIT:

TSC:

CS:

JN: 218688

FILE: 2301037_PROF_002.dgn

VIRGINIA PARK ST



QUANTITIES THIS SHEET		
JN 218688		
CAT 0001		
2	Ea	Tree, Rem, 6 inch to 18 inch
836	Ft	Curb, Rem
2718	Syd	Pavt, Rem
223	Syd	Sidewalk, Rem
602	Syd	Pavt, Rem, Brick, Salv, Modified
1395	Cyd	Excavation, Earth
2	Ea	Erosion Control, Inlet Protection, Fabric Drop
68	Syd	HMA Surface, Rem
194	Ft	Curb, Removal, Stone, Salv, Modified

2ND AVE

FINAL ROW PLAN REVISIONS								SUBMITTAL DATE:		 INFRASTRUCTURE ENGINEERING OF MICHIGAN, LLC 3031 W. Grand Blvd Suite 500 Detroit, MI 48202 P: 313.468.8713 M: 313.468.8718 www.infrastructureeng.com	 City of Detroit	 0 40 HORZ. (FT)		DATE: 03/05/25	CS:	REMOVAL		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION		DESIGN UNIT:				JN: 218688	Virginia Pk STA 10+00 TO STA 15+00		Virginia Pk	SECT 1		
																	REM	22	
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VIRGINIA PARK ST

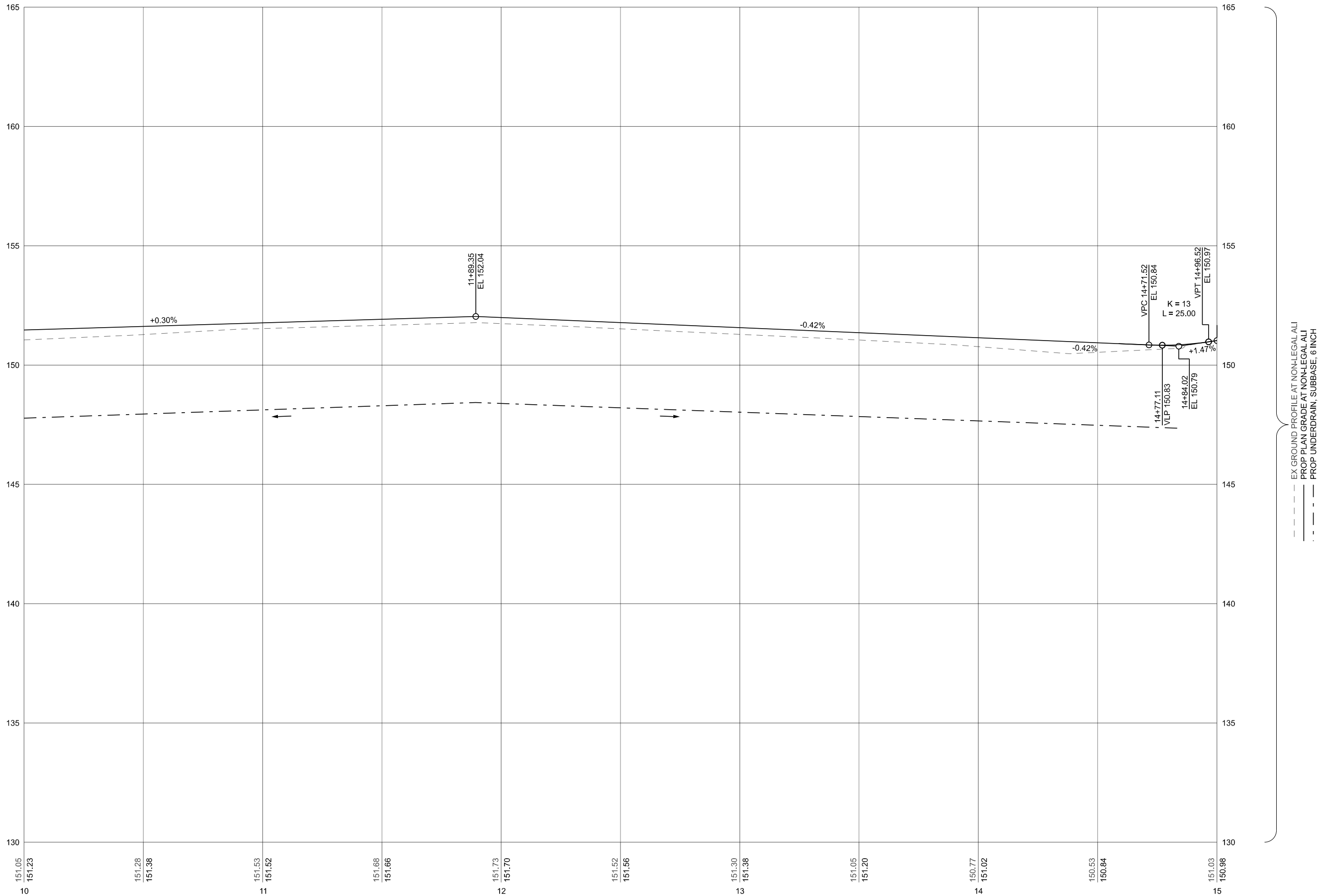
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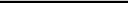


QUANTITIES THIS SHEET		
JN 218688		
CAT 0001		
112	Cyd	Embankment, CIP
532	Cyd	Subbase, CIP
235	Syd	Aggregate Base, 4 inch
126	Syd	Aggregate Base, 6 inch
2116	Syd	Aggregate Base, 8 inch
4	Ea	Dr Structure Cover, Adj, Case 1
2	Ea	Dr Structure, Tap, 6 inch
962	Ft	Underdrain, Subbase, 6 inch
28	Ton	HMA Approach
1689	Syd	Conc Base Cse, Nonreinf, 8 inch
31	Ft	Joint, Expansion, E2
193	Ea	Curb, Stone, Off-Site
38	Ft	Conc Curb, Detail CD
20	Ft	Detectable Warning Surface
28	Ft	Curb Ramp Opening, Conc
839	Sft	Sidewalk, Conc, 4 inch
855	Sft	Sidewalk, Conc, 6 inch
91	Sft	Sidewalk, Conc, 8 inch
204	Sft	Curb Ramp, Conc, 6 inch
802	Syd	Pavt, Brick, Off-site
802	Syd	Pavt, Brick, Salv
36	Cyd	Horticultural Soil, Modified
59	Cyd	Structural Soil, Modified
9	Ea	Ulmus Americana "Princeton" Nursery Stock
39	Lb	Grass Seed Mix, Modified

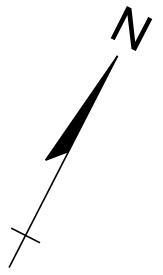
2ND AVE

FINAL ROW PLAN REVISIONS								SUBMITTAL DATE:		 INFRASTRUCTURE ENGINEERING LLC OF MICHIGAN, LLC 3021 W. Grand Avenue Suite 100 Grand, MI 48032 419.244.8878 info@infrastructureeng.com		 HORIZ. (FT)		DATE: 03/05/25	CS:	CONSTRUCTION	DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION		DESIGN UNIT:				JN: 218688	Virginia Pk STA 10+00 TO STA 15+00	Virginia Pk CON 3	SECT 1 23		
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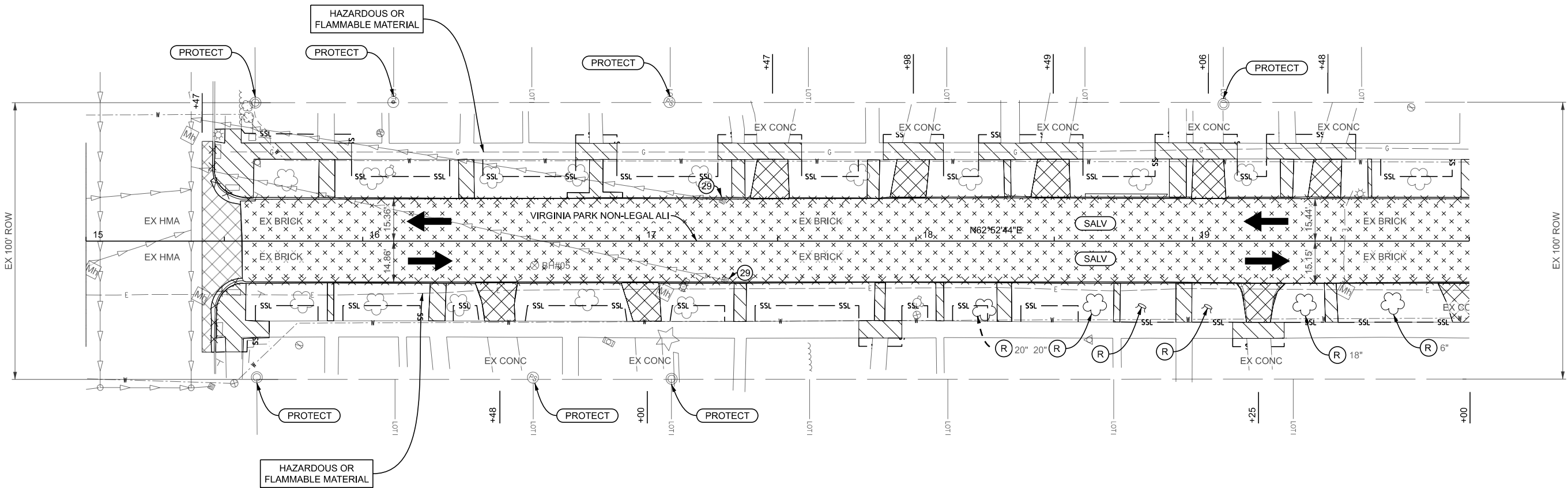
FINAL ROW PLAN REVISIONS								SUBMITTAL DATE:			INFRASTRUCTURE ENGINEERING BY MICHAEL, LLC 301 W. Grand Blvd Suite 100 Detroit, MI 48202 PH: 313.668.8888 P: 313.668.8889 www.michael-engineering.com		0 VERT. (FT) 10 0 HORZ. (FT) 40		DATE: 03/05/25	CS:	PROFILE		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION		DESIGN UNIT:					JN: 218688	Virginia Pk STA 10+00 TO STA 15+00		Virginia Pk	SECT 1		
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2ND AVE



VIRGINIA PARK ST

VIRGINIA PARK ST



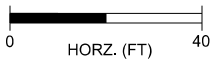
2ND AVE

QUANTITIES THIS SHEET		
JN 218688		
CAT 0001		
1	Ea	Tree, Rem, 19 inch to 36 inch
3	Ea	Tree, Rem, 6 inch to 18 inch
2	Ea	Stump, Rem, 6 inch to 18 inch
766	Ft	Curb, Rem
2468	Syd	Pavt, Rem
281	Syd	Sidewalk, Rem
744	Syd	Pavt, Rem, Brick, Salv, Modified
1309	Cyd	Excavation, Earth
2	Ea	Erosion Control, Inlet Protection, Fabric Drop
67	Syd	HMA Surface, Rem
178	Ft	Curb, Removal, Stone, Salv, Modified

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



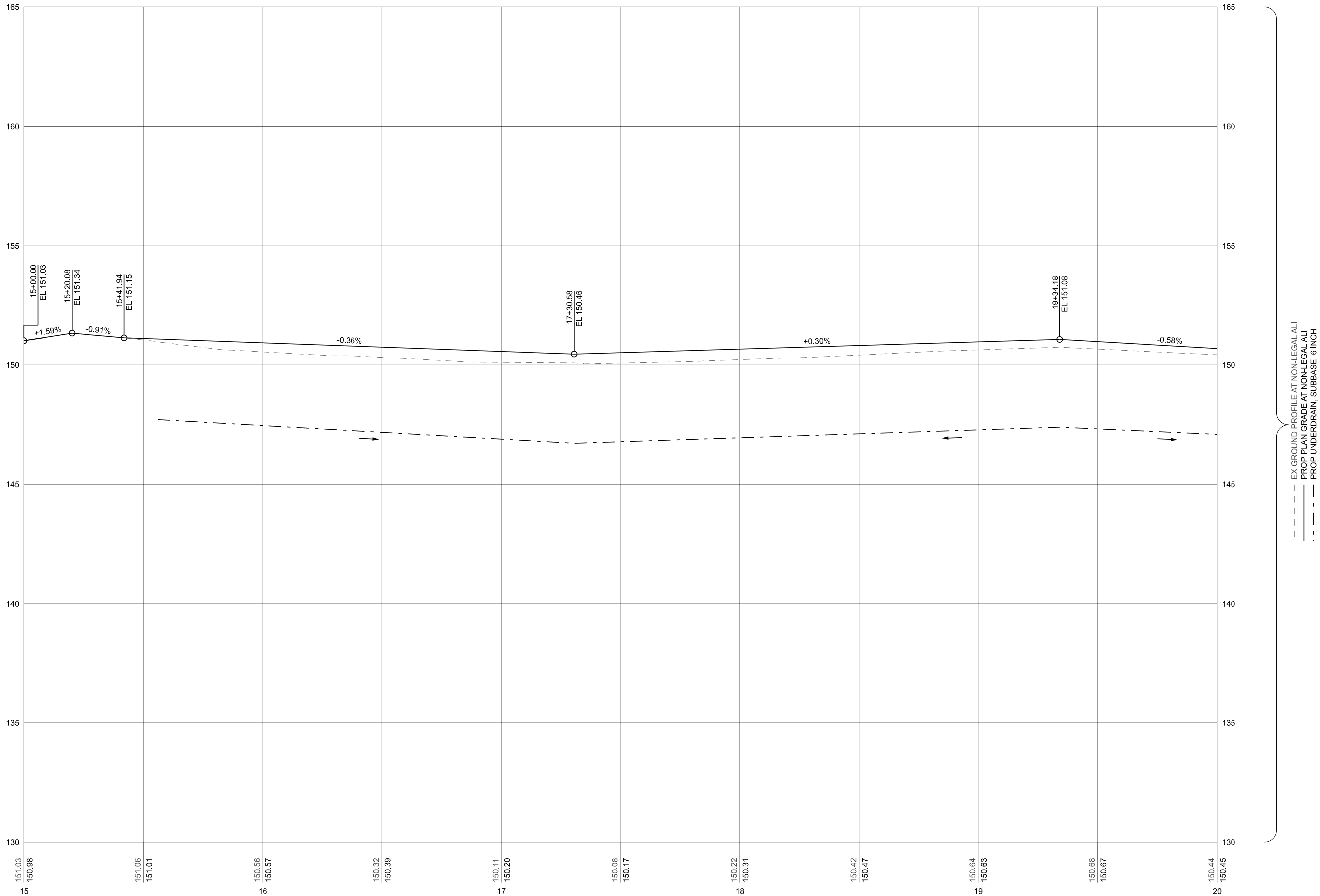
INFRASTRUCTURE
ENGINEERING
2021 W. Grand Blvd. Suite 100 | Detroit, MI 48202
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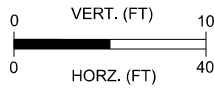
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REMOVAL	
Virginia Pk STA 15+00 TO STA 20+00	
VIRGINIA PARK STREET	

DRAWING	SHEET
Virginia Pk REM 4	SECT 1 25



FINAL ROW PLAN REVISIONS SUBMITTAL DATE:								PROFILE				DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	Virginia Pk STA 15+00 TO STA 20+00				Virginia Pk	SECT 1
								VIRGINIA PARK STREET				PROF	27
												4	

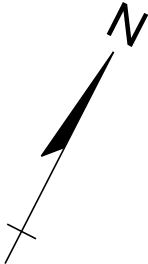


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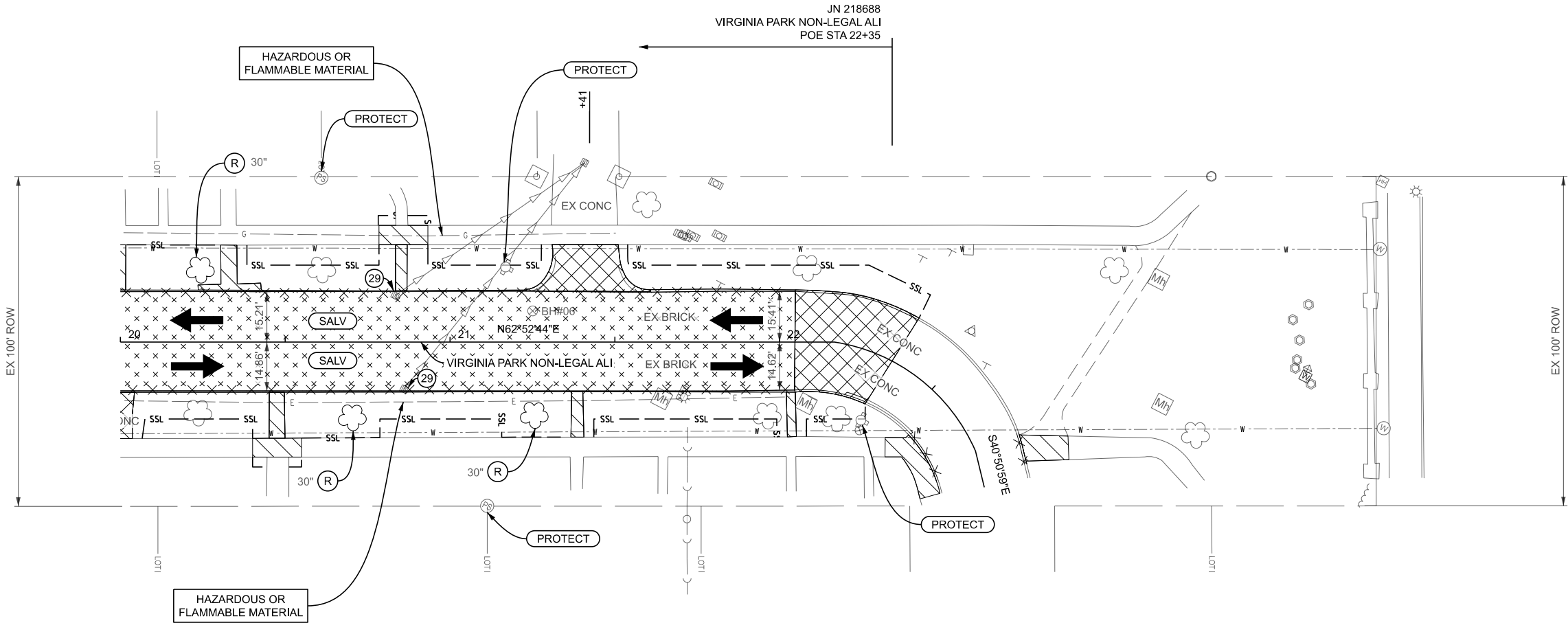
DATE: 03/05/25
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CS:
JN: 218688

Virginia Pk
PROF
4



VIRGINIA PARK ST



VIRGINIA PARK ST

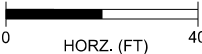
QUANTITIES THIS SHEET

JN 218688		
CAT 0001		
3	Ea	Tree, Rem, 19 inch to 36 inch
328	Ft	Curb, Rem
1165	Syd	Pavt, Rem
53	Syd	Sidewalk, Rem
341	Syd	Pavt, Rem, Brick, Salv, Modified
558	Cyd	Excavation, Earth
2	Ea	Erosion Control, Inlet Protection, Fabric Drop
82	Ft	Curb, Removal, Stone, Salv, Modified

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



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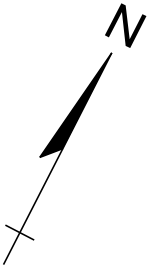
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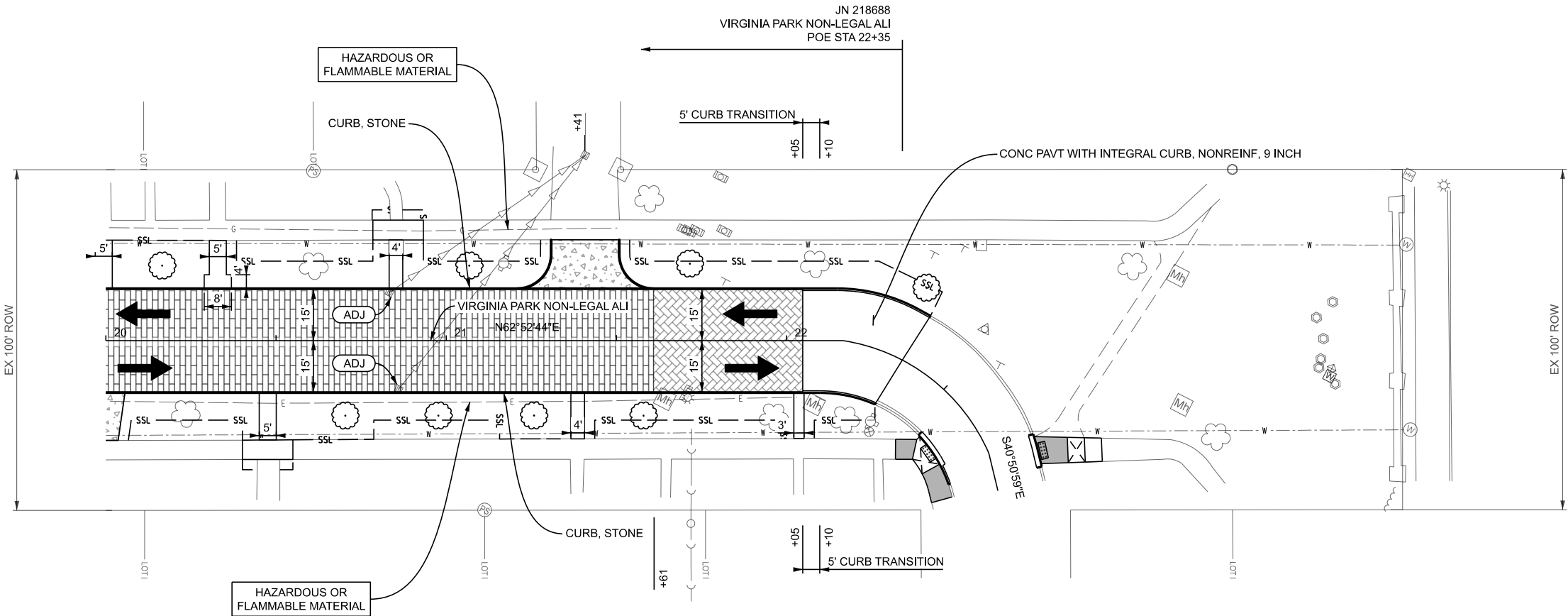
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JN: 218688

REMOVAL	
Virginia Pk STA 20+00 TO STA POE 22+35	
VIRGINIA PARK STREET	

DRAWING	SHEET
Virginia Pk REM 5	SECT 1 28



VIRGINIA PARK ST



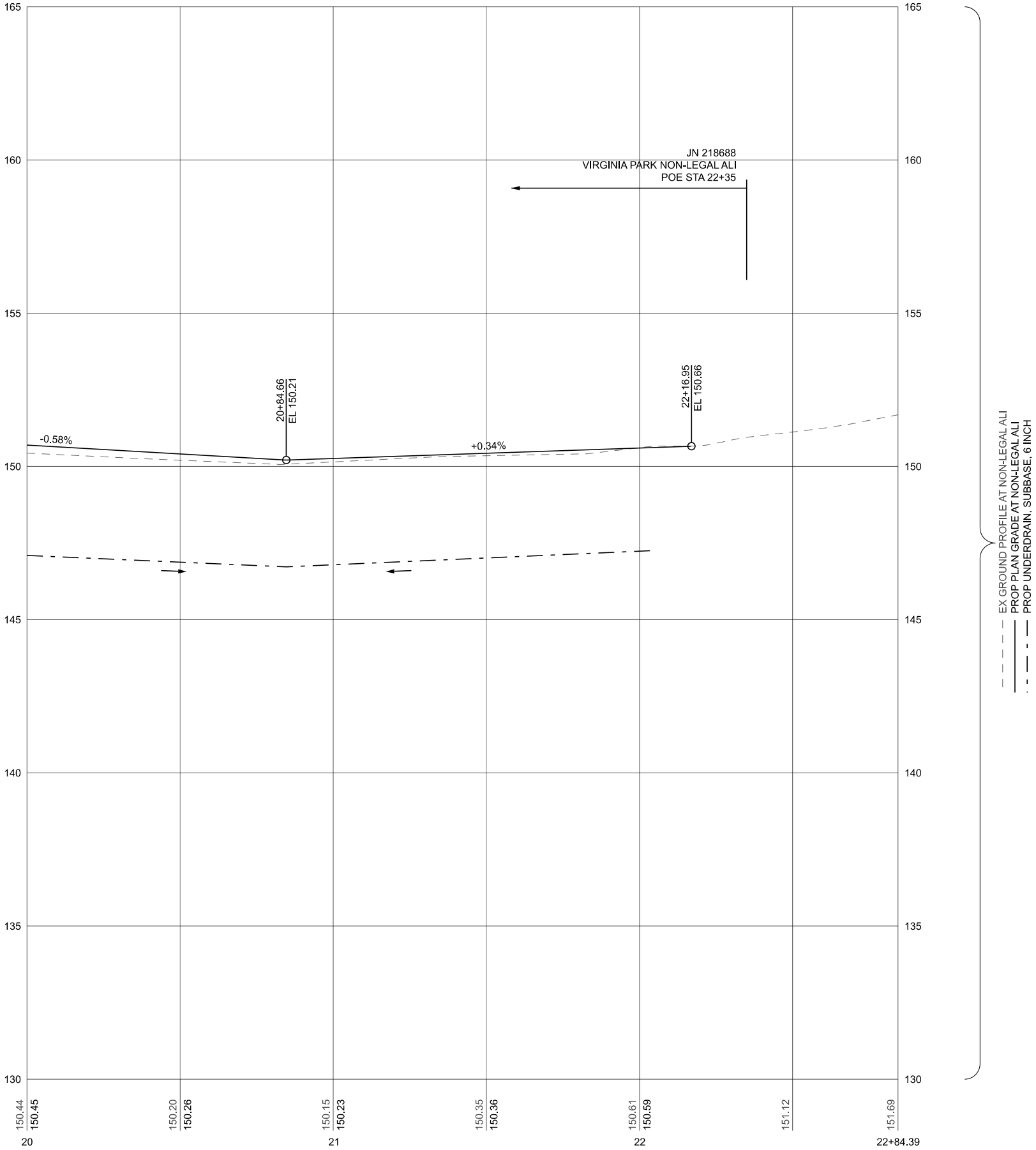
DRIVEWAY TABLE							Aggregate Base, 6 inch	Driveway, Nonreinf Conc, 8 inch
ALIGNMENT	STATION	BACK OFFSET FROM CL	PROP DRIVEWAY SLOPE	PROP DRIVEWAY WIDTH	RADIUS ENTERING	RADIUS EXITING		
		FT	%	FT	FT	FT		
Virginia Park	21+41 LT	30	-6.64%	35	10.0	10.0	Syd	Syd
TOTAL							40	36

QUANTITIES THIS SHEET

JN 218688		
CAT 0001		
47	Cyd	Embankment, CIP
220	Cyd	Subbase, CIP
73	Syd	Aggregate Base, 4 inch
21	Syd	Aggregate Base, 6 inch
840	Syd	Aggregate Base, 8 inch
4	Ea	Dr Structure, Tap, 6 inch
398	Ft	Underdrain, Subbase, 6 inch
663	Syd	Conc Base Cse, Nonreinf, 8 inch
105	Syd	Conc Pavt with Integral Curb, Nonreinf, 9 inch
30	Ft	Joint, Expansion, E2
83	Ea	Curb, Stone, Off-Site
7	Ft	Conc Curb, Detail CD
16	Ft	Detectable Warning Surface
20	Ft	Curb Ramp Opening, Conc
559	Sft	Sidewalk, Conc, 4 inch
158	Sft	Curb Ramp, Conc, 6 inch
332	Syd	Pavt, Brick, Off-site
332	Syd	Pavt, Brick, Salv
16	Cyd	Horticultural Soil, Modified
96	Cyd	Structural Soil, Modified
17	Lb	Grass Seed Mix, Modified

VIRGINIA PARK RD

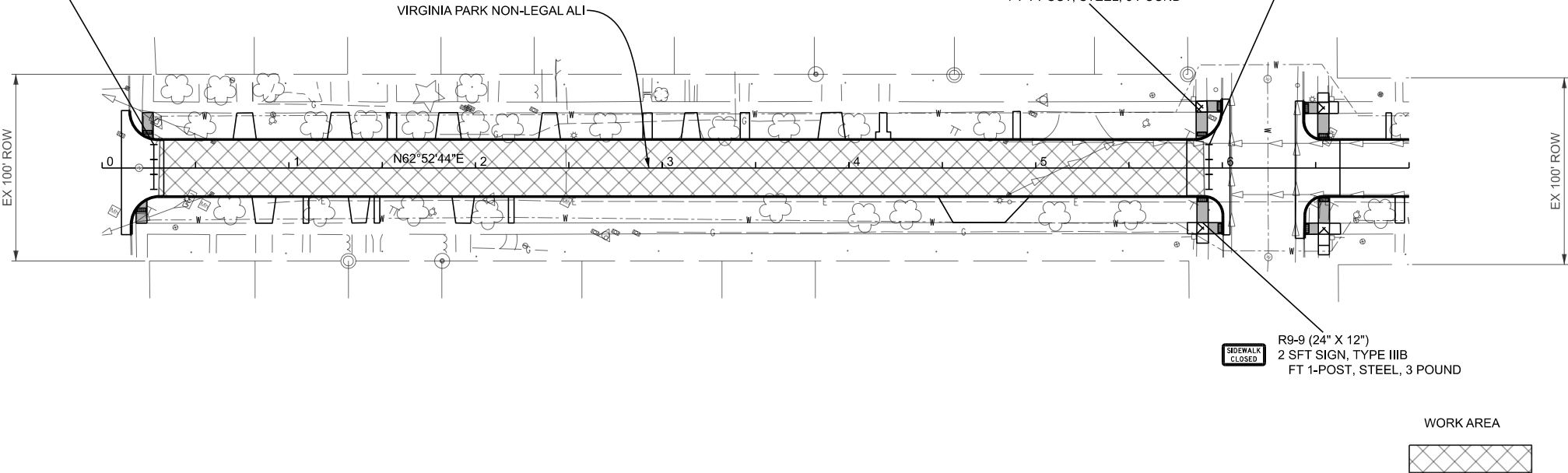
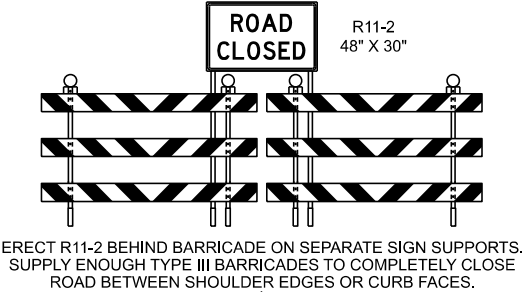
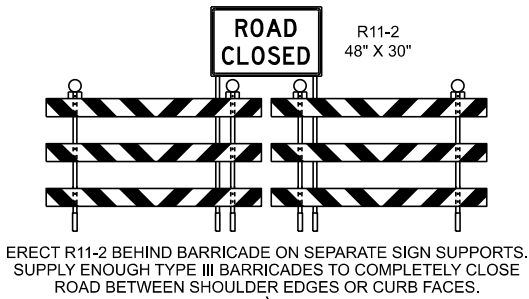
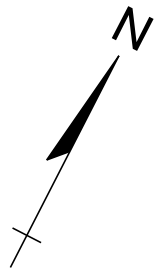
FINAL ROW PLAN REVISIONS								SUBMITTAL DATE:		 INFRASTRUCTURE ENGINEERING 2021 W. Grand Blvd Suite 100 Detroit, MI 48202 P: 313.468.8888 F: 313.468.8889 www.infrastructureeng.com	 City of Detroit	 0 40 HORZ. (FT)	FILE: 2301037_CON_005.dgn	DATE: 03/05/25	CS:	CONSTRUCTION		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	DESIGN UNIT:	JN: 218688					Virginia Pk STA 20+00 TO STA POE 22+35	Virginia Pk	SECT 1			
															CON	29			
														VIRGINIA PARK STREET					



FINAL ROW PLAN REVISIONS								SUBMITTAL DATE:			INFRASTRUCTURE ENGINEERING 2021 W. Grand Blvd. Suite 100 Detroit, MI 48202 P: 313.463.8888 F: 313.463.8889		0 VERT. (FT) 10 0 HORZ. (FT) 40		DATE: 03/05/25	CS:	PROFILE		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	DESIGN UNIT:	JN: 218688					Virginia Pk STA 20+00 TO STA POE 22+35		Virginia Pk PROF 5	SECT 1 30			
															VIRGINIA PARK STREET					
FILE: 2301037_PROF_005.dgn								TSC:												

JOHN C. LODGE SERVICE DR

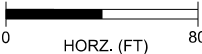
3RD AVE



JOHN C. LODGE SERVICE DR

3RD AVE

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



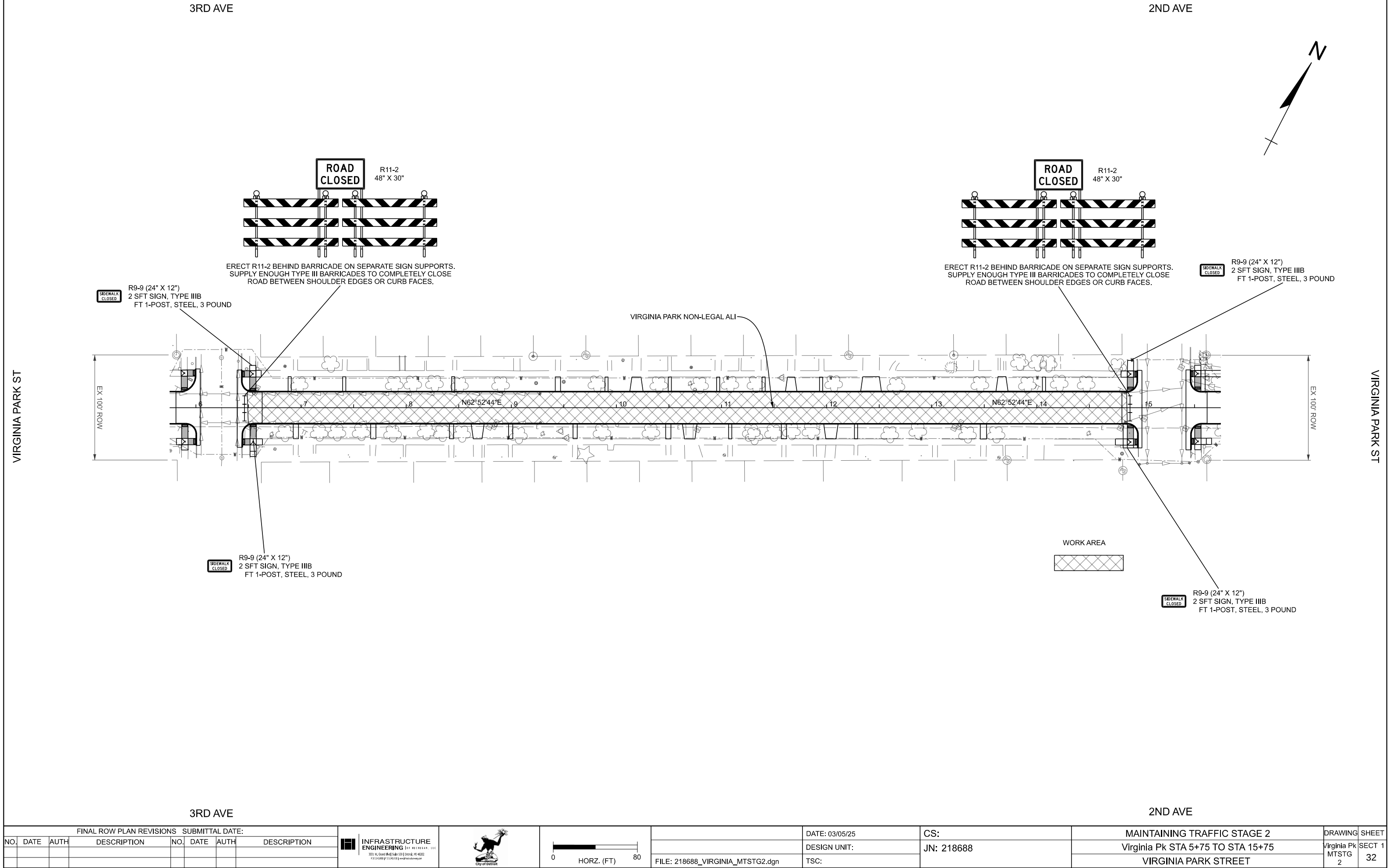
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DATE: 03/05/25
DESIGN UNIT:
TSC:

CS:
JN: 218688

MAINTAINING TRAFFIC STAGE 1
Virginia Pk STA 0+10 TO STA 7+00
VIRGINIA PARK STREET

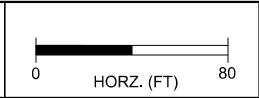
DRAWING	SHEET
Virginia Pk MTSTG 1	SECT 1 31



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



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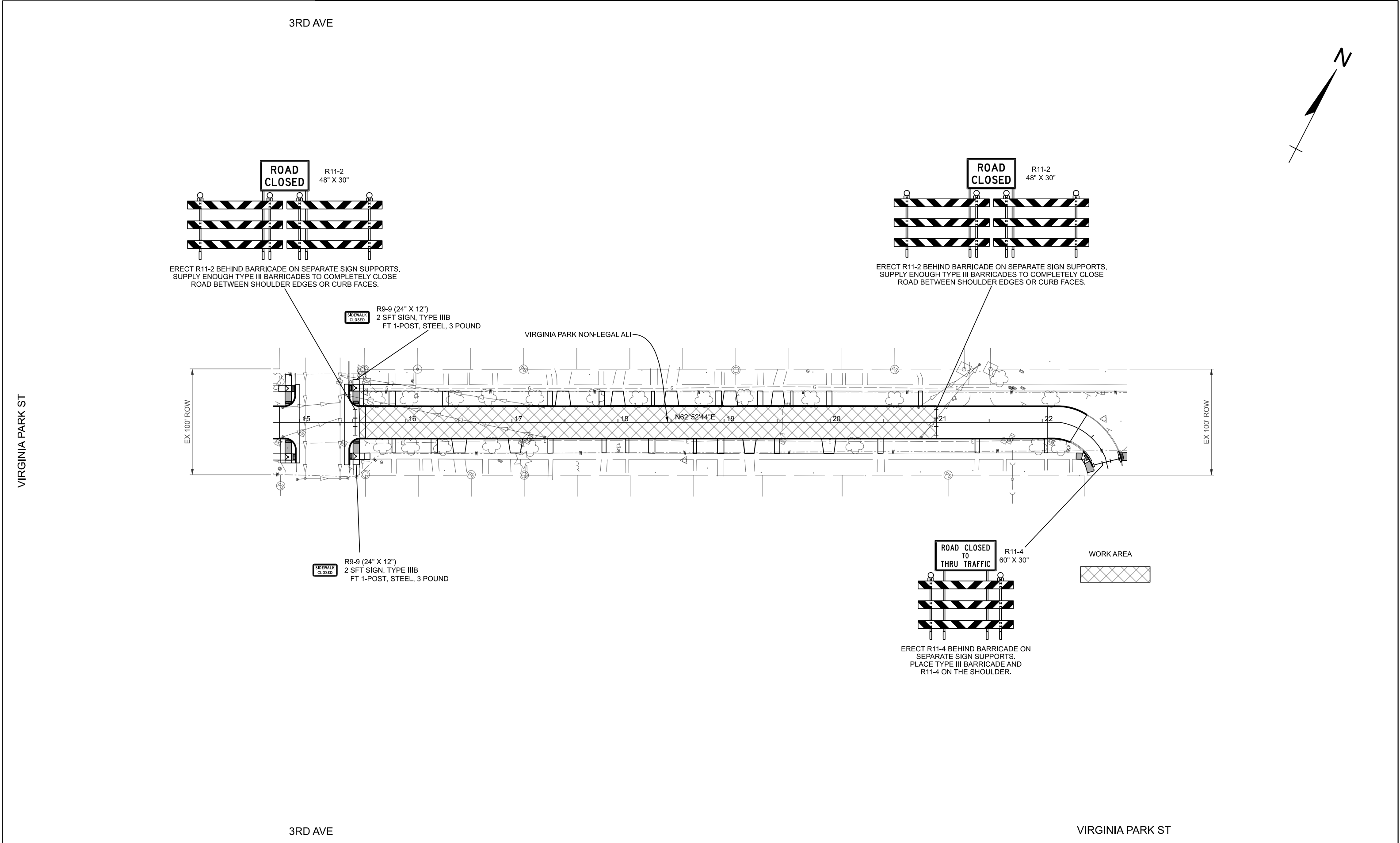
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DATE: 03/05/25
DESIGN UNIT:
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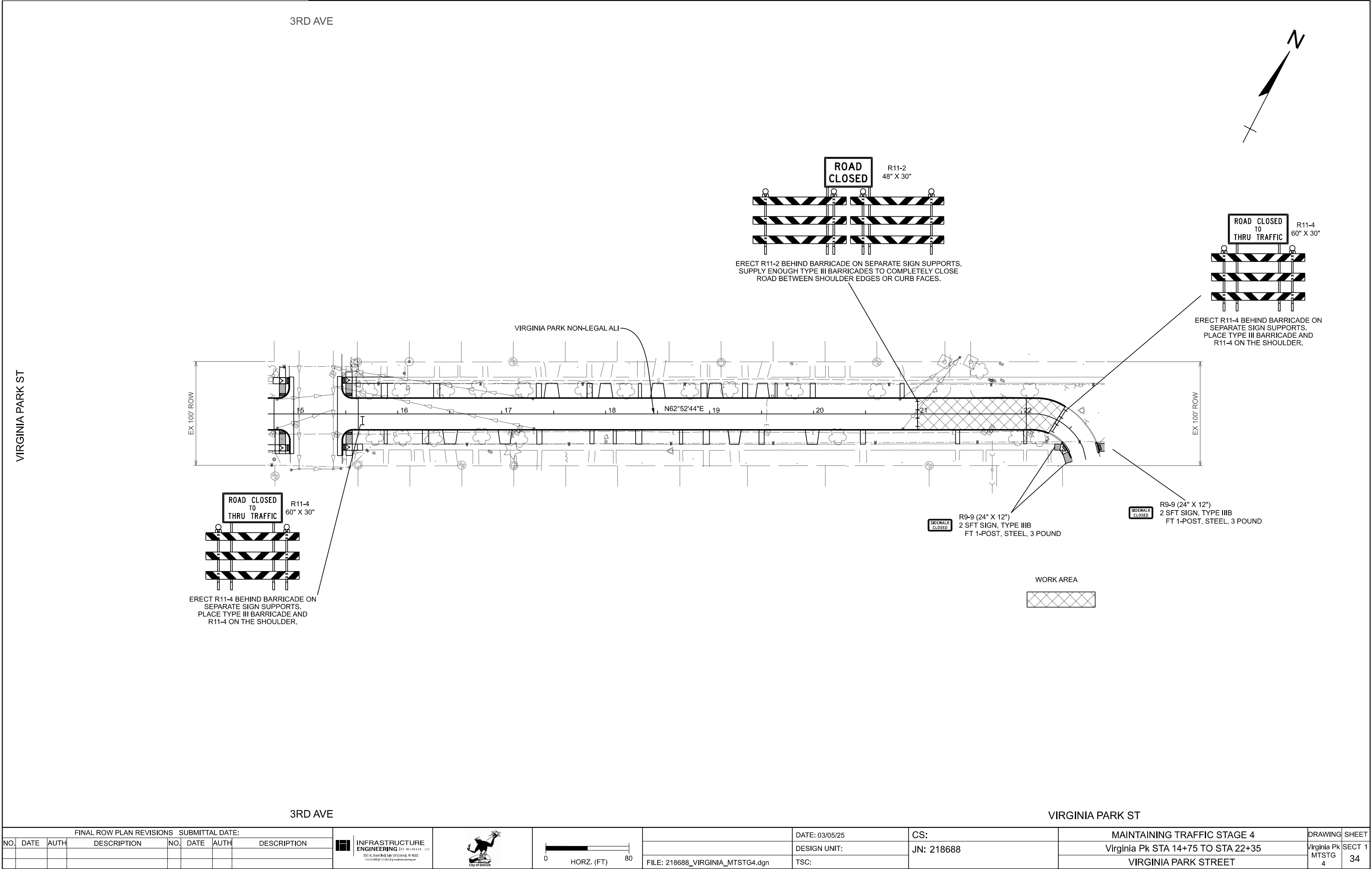
CS:
JN: 218688

MAINTAINING TRAFFIC STAGE 2
Virginia Pk STA 5+75 TO STA 15+75
VIRGINIA PARK STREET

DRAWING	SHEET
Virginia Pk MTSTG 2	SECT 1 32



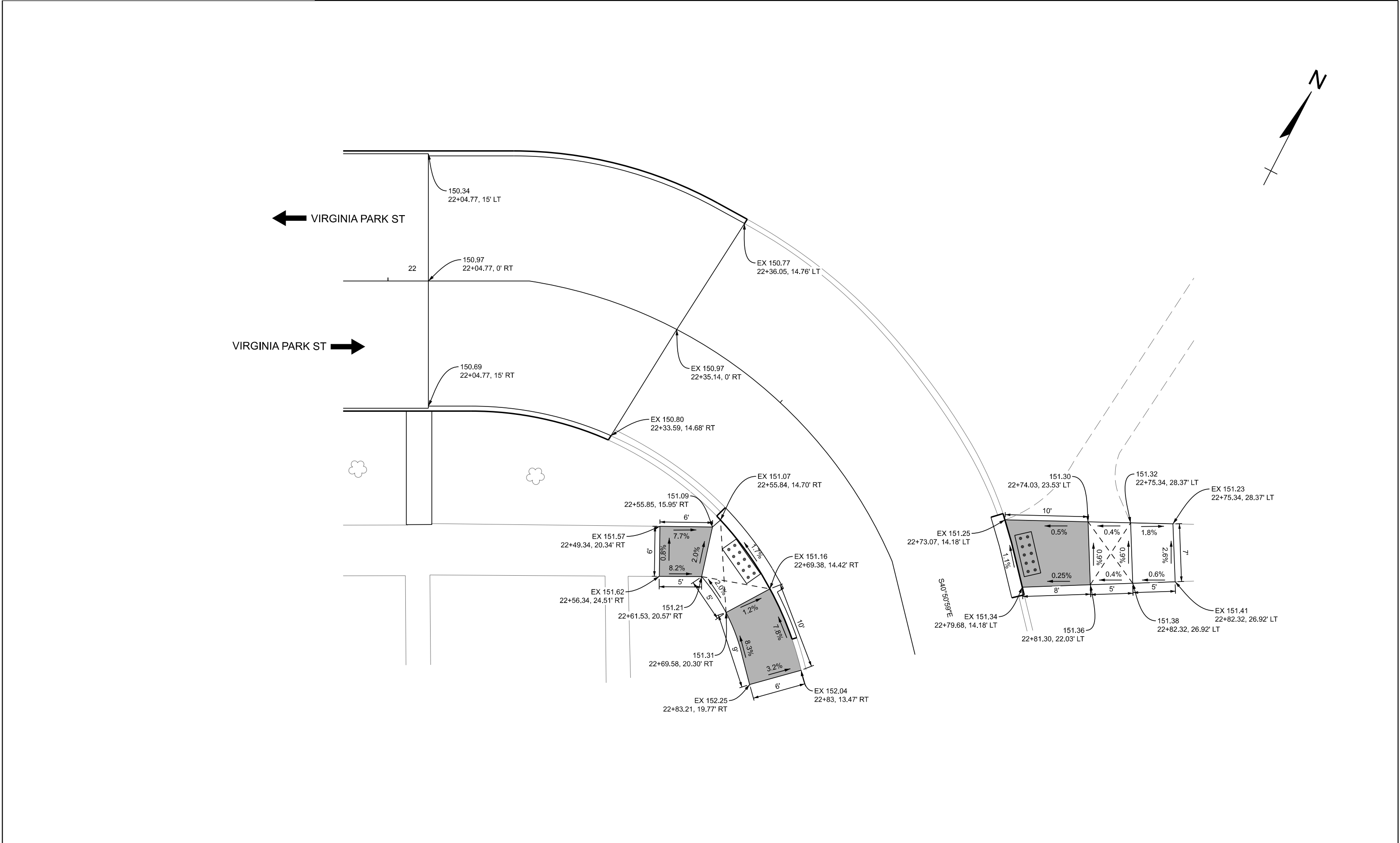
FINAL ROW PLAN REVISIONS								SUBMITTAL DATE:		 INFRASTRUCTURE ENGINEERING 1811 W. GRAND BLVD. SUITE 100 DETROIT, MI 48202 PH: 313.468.8888 FAX: 313.468.8889 WWW.INFRASTRUCTUREENGINEERING.COM		 City of Detroit		 HORZ. (FT)		FILE: 218688_VIRGINIA_MTSTG3.dgn		DATE: 03/05/25 DESIGN UNIT: TSC:		CS: JN: 218688		MAINTAINING TRAFFIC STAGE 3		DRAWING	SHEET
Virginia Pk STA 14+75 TO STA 22+35		Virginia Pk MTSTG 3	SECT 1 33																						
VIRGINIA PARK STREET																									



FINAL ROW PLAN REVISIONS								SUBMITTAL DATE:		 INFRASTRUCTURE ENGINEERING 2021 W. Grand Blvd Suite 100 Detroit, MI 48202 P: 313.468.8188 E: info@infrastructureeng.com  City of Detroit  HORZ. (FT) FILE: 218688_VIRGINIA_MTSTG4.dgn DATE: 03/05/25 DESIGN UNIT: TSC: CS: JN: 218688		MAINTAINING TRAFFIC STAGE 4		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION	Virginia Pk STA 14+75 TO STA 22+35				Virginia Pk MTSTG 4	SECT 1 34		
								VIRGINIA PARK STREET							

FINAL ROW PLAN REVISIONS				SUBMITTAL DATE:					INFRASTRUCTURE ENGINEERING LLC BY NICHOLSON, LLC 300 W. Grand Blvd. Suite 200 Detroit, MI 48222 413.6688.9733 or 313.668.0118 email@infrastructureeng.com			DATE: 03/05/25	CS:	DETAIL GRADES	DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION									
FILE: 2301037_DETGRD002.dgn												TSC:	JN: 218688	SW INTERSECTION OF VIRGINIA PK AND 3RD AVE	/virginia Pk DETGRD 2	SECT 1 36
														VIRGINIA PARK STREET		

FINAL ROW PLAN REVISIONS				SUBMITTAL DATE:				 Michigan Department of Transportation	 0 VERT. (FT) 0 10 0 HORZ. (FT)		DATE: 03/05/25	CS:	DETAIL GRADES		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION				DESIGN UNIT:	JN: 218688	NE INTERSECTION OF VIRGINIA PK AND 2ND AVE		Virginia Pk DETGRD 5	SECT 1 39
											TSC:		VIRGINIA PARK STREET			
											FILE: 2301037_DETGRD005.dgn					



FINAL ROW PLAN REVISIONS								SUBMITTAL DATE:								DATE: 03/05/25	CS:	DETAIL GRADES		DRAWING	SHEET
NO.	DATE	AUTH	DESCRIPTION	NO.	DATE	AUTH	DESCRIPTION			DESIGN UNIT:	JN: 218688			VIRGINIA PK POE		Virginia Pk	SECT 1				
														VIRGINIA PARK STREET <td>DETGRD</td> <td>40</td>		DETGRD	40				
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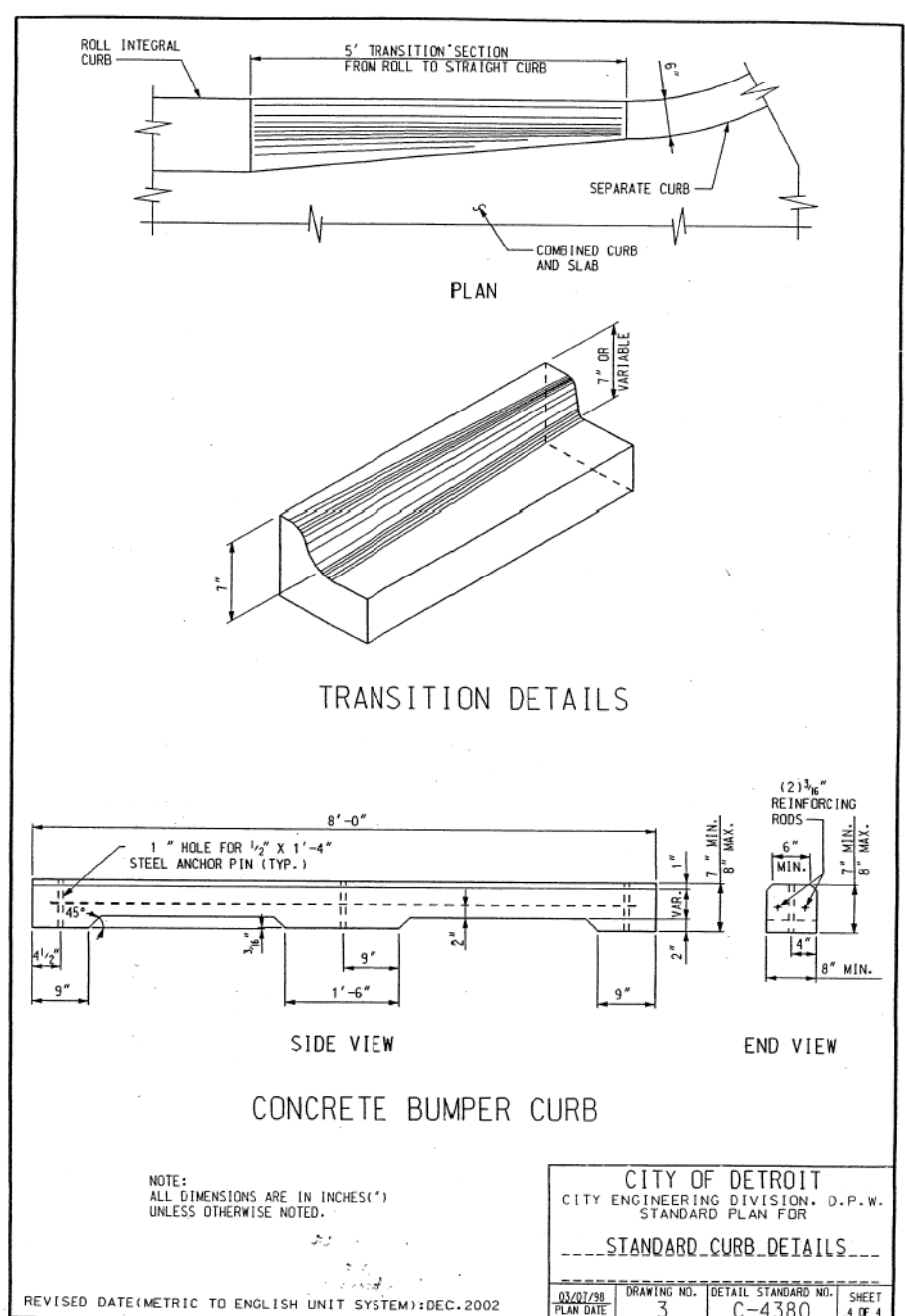
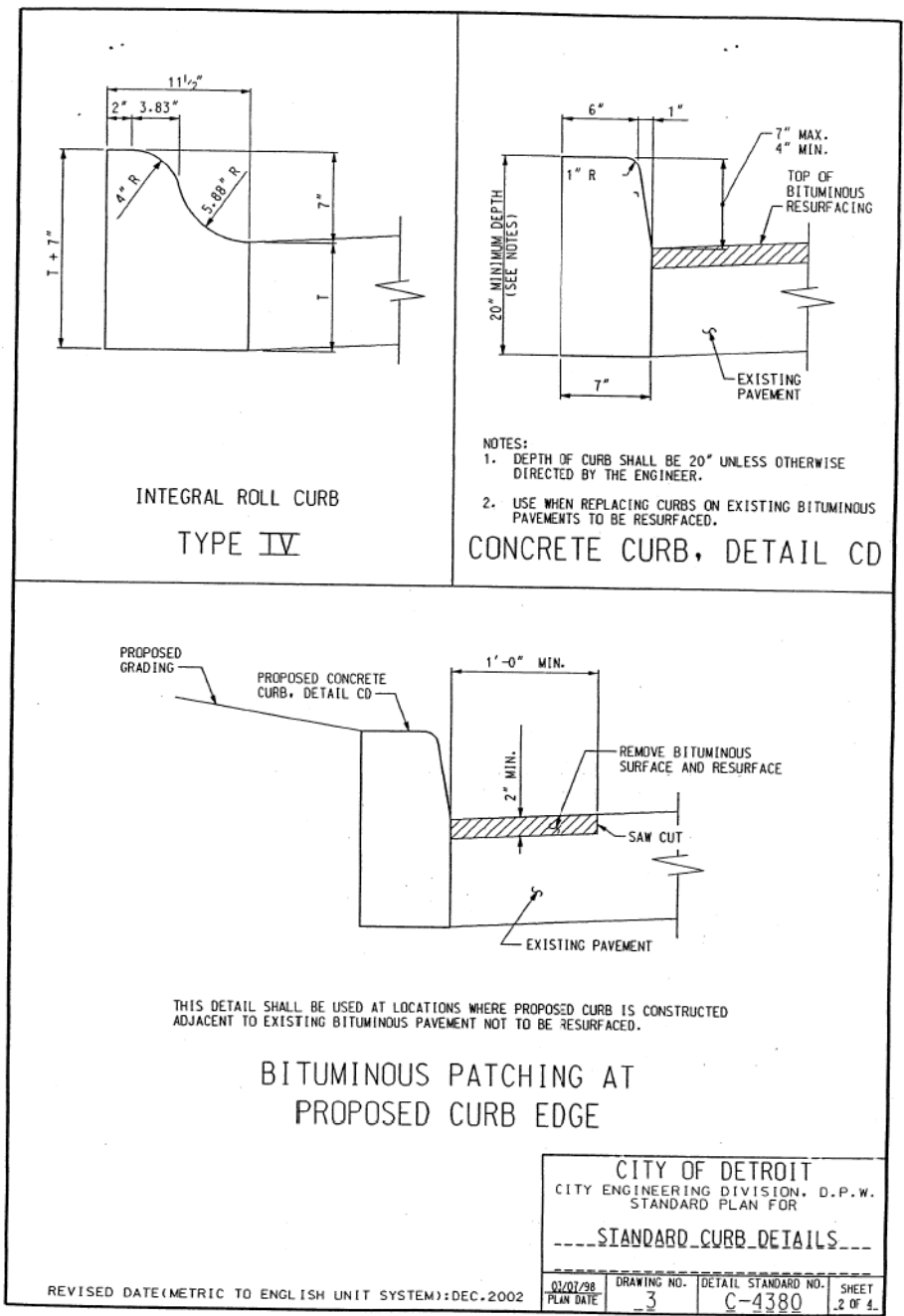
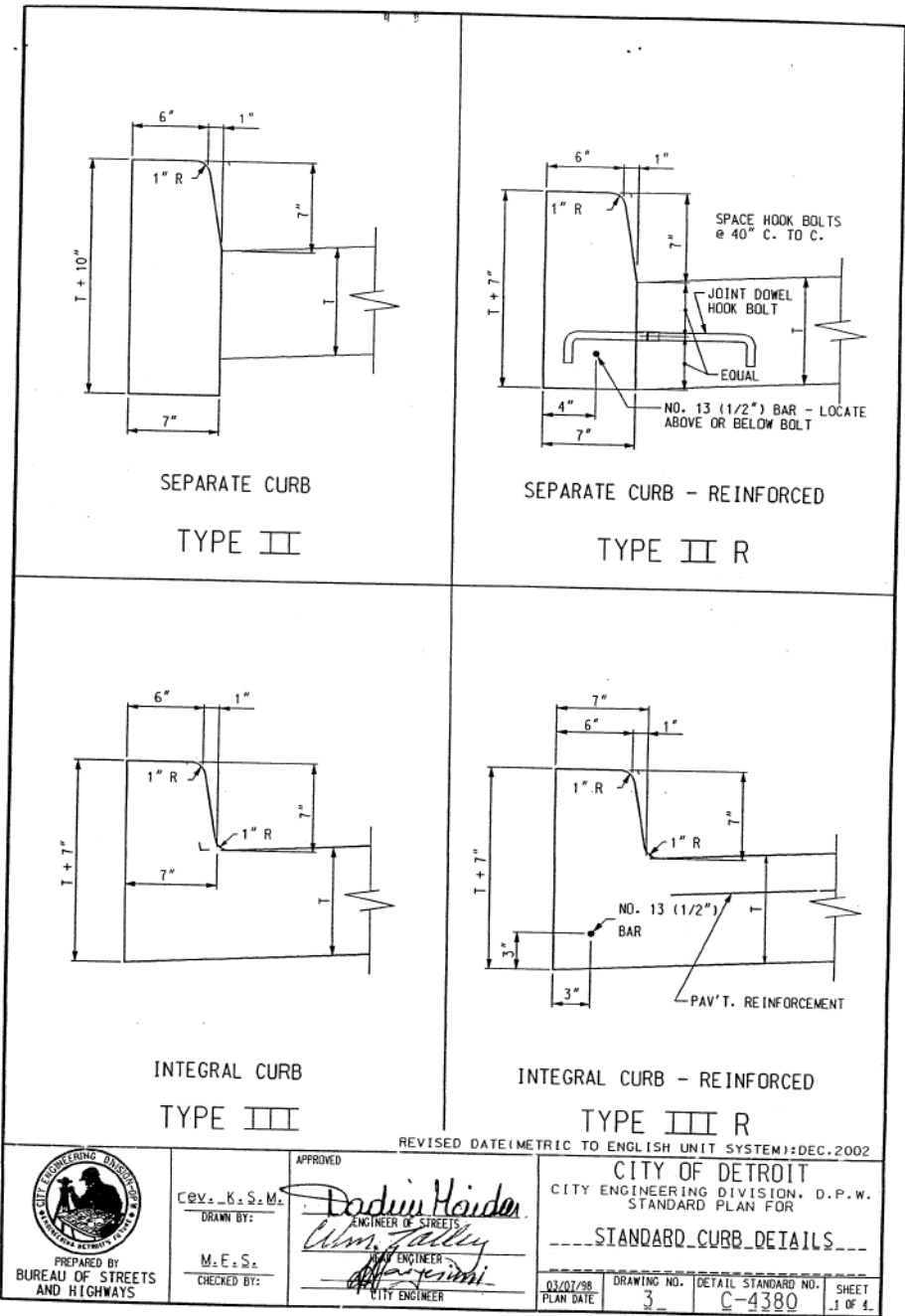
LOG OF TEST BORING 22000426 LOGS.GPJ NTH CORPORATE GDT 9/14/22[illegible]

FINAL ROW PLAN REVISIONS								SUBMITTAL DATE:		 INFRASTRUCTURE ENGINEERING LLC OF MICHIGAN, LLC 3021 W. Grand Blvd Suite 150 Detroit, MI 48202 (313) 568-8877 P.O. Box 1153 www.infrastructureeng.com		 City of Detroit				DATE: 03/05/25		CS:		LOG OF BORINGS		DRAWING		SHEET	
NO.	DATE	AUTH	DESCRIPTION		NO.	DATE	AUTH	DESCRIPTION								DESIGN UNIT:		JN: 218688		Virginia Pk STA 0+10 TO STA POE 22+35		/Virginia Pk BORING 1		SECT 1 41	
																FILE: 218688_Virginia_BORING001.dgn		TSC:		VIRGINIA PARK STREET					

Sheet 1 of 1

Sheet 1 of 1

Sheet 1 of 1





VIRGINIA PARK

Road Reconstruction

CITY OF DETROIT
DPW, COMPLETE STREETS

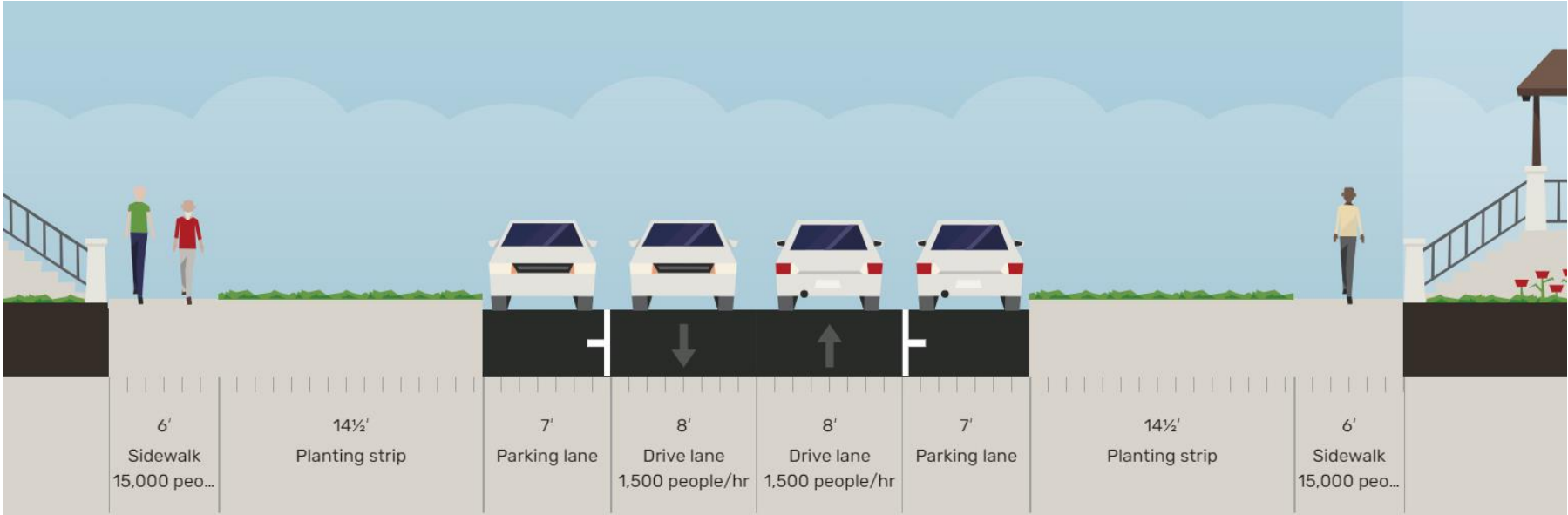


LIMITS: Virginia Park | M-10 to Woodward |

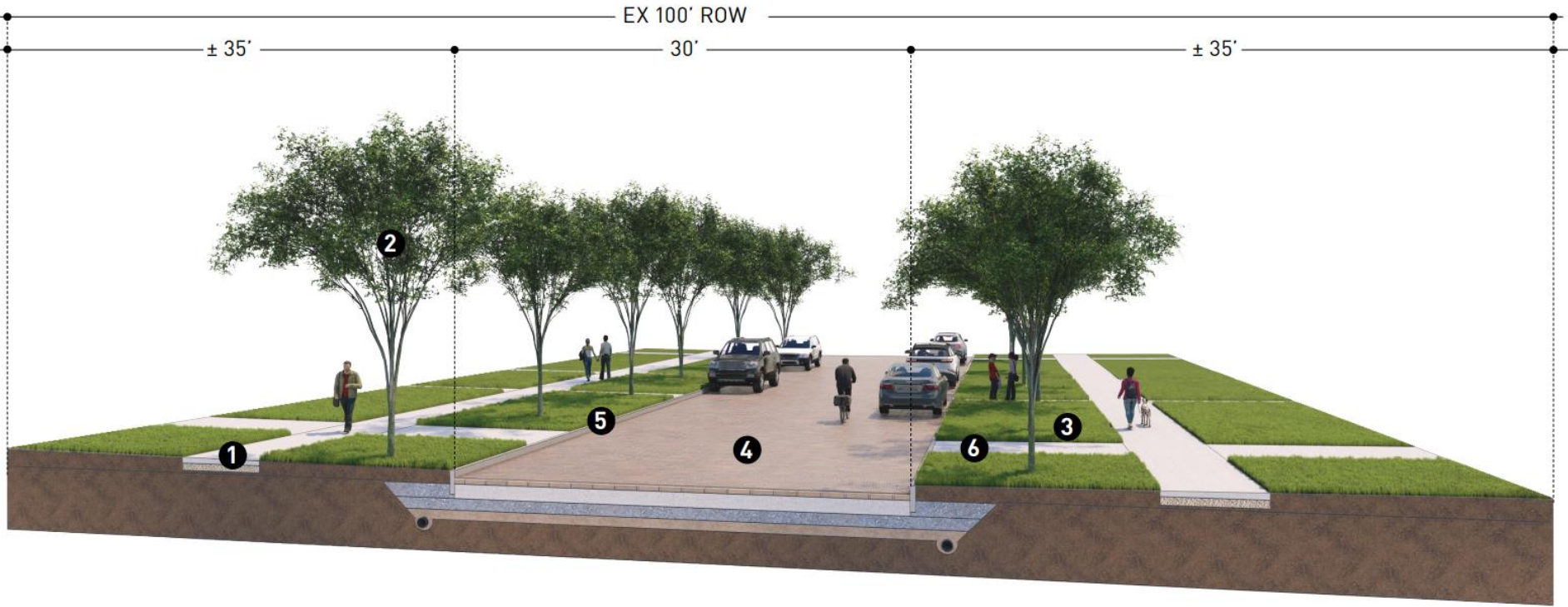


Existing Conditions: Road Configuration

30 Ft. paver right of way with sandstone curbs



PROJECT PROPOSAL



PROJECT PROPOSAL

The Virginia Park Road Reconstruction project aims to restore existing historic street.

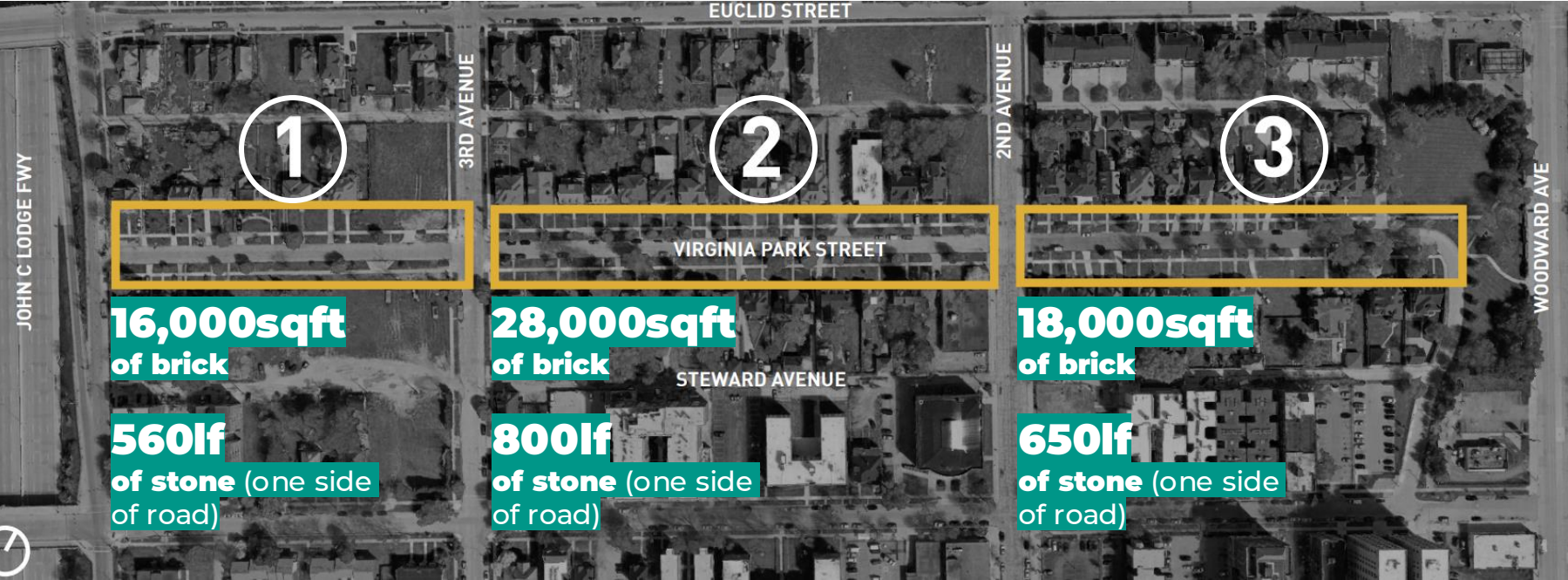
Key elements of the project include **brick paver and stone curb restoration** and replacement, along with the installation of a **new concrete subbase** with new drainage solutions.

Additional enhancements targeting areas of worn concrete sidewalks and driveway entrances along the street. The streetscape improvements will also ensure ADA compliance adding ramps where needed to enhance accessibility. The project also includes the removal and replacement of dead trees, introducing new shaded areas to enhance the street's appeal.

The estimated construction cost for the project is \$5,278,100. Construction is scheduled to begin in Summer 2025, with completion anticipated by late Fall 2026.



SURVEY FINDINGS



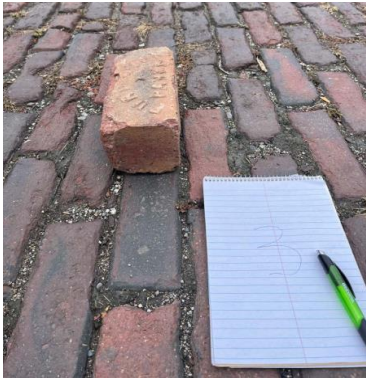
TOTAL BRICK PAVERS: 62,00sqft
Total Stone Curb: 4,000LF



EXISTING BRICK PAVERS = 62.4%

Existing bricks currently vary in texture, color, and sizes.

Limits	W	L	D
(1) M-10 to 3rd Ave	3.625"	8.5"	4"
(2) 3rd to 2nd Ave	3.25"	9"	4"
(3) 2nd to Woodward	3.125"	9"	4"



3



2



1

EXISTING BRICK PAVERS = 62.4%

Existing bricks were evaluated using a paver rating system on a 1-10 scale, with only bricks rated 5 or higher deemed suitable for reuse.

Bricks rated below 5 showed signs of damage, such as cracks, chipped corners, or other visible defects.



STORED BRICK PAVERS = 10.3%

Of the 22,900 square feet of bricks requiring replacement, approximately 29,100 brick pavers, covering about 6,000 square feet (10.3%), are available for reconstruction.

The salvaged bricks are consistent with the original materials, matching size and color.

Ex:

W	L	D
3.625"	8.5"	4"

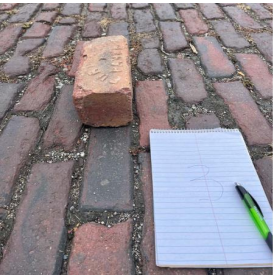


NEW BRICK PAVERS = 27.7%

the remaining 17,000 square feet (27.7%) of replacement brick pavers, will be replaced with Gavin Historical Bricks salvaged bricks from the same historical period and with matching measurements, and colors.

The salvaged bricks are consistent with the original materials, matching size and color.

Limits	W	L	D
(1) M-10 to 3rd Ave	3.625"	8.5"	4"
(2) 3rd to 2nd Ave	3.25"	9"	4"
(3) 2nd to Woodward	3"	9"	4"

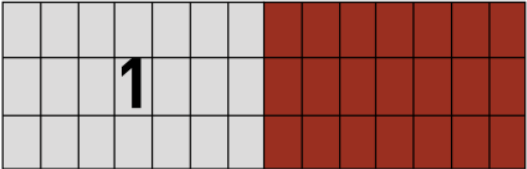


Block 1: 9" x 3" x 4"
Block 2: 9" x 3 1/4" x 4"
Block 3: 8.5" x 3 5/8" x 4"

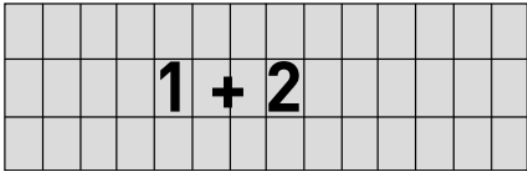
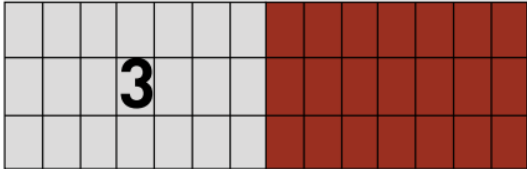
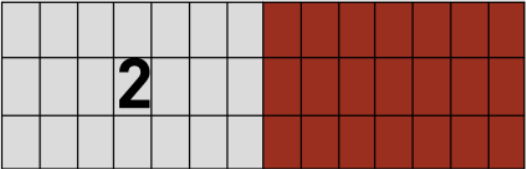


BRICK PROPOSAL

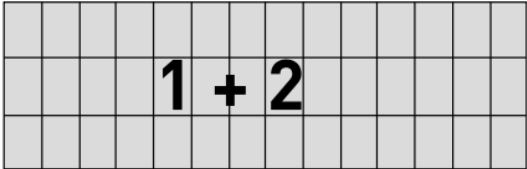
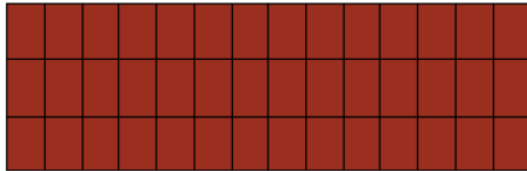
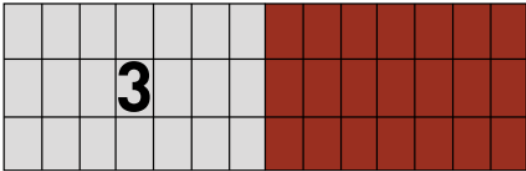
Existing bricks cannot intermix with new bricks. The community came to agreement of proposal shown below.



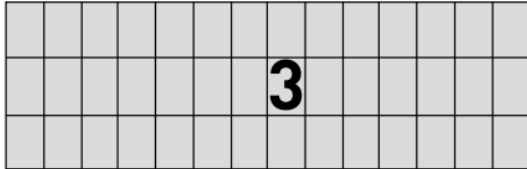
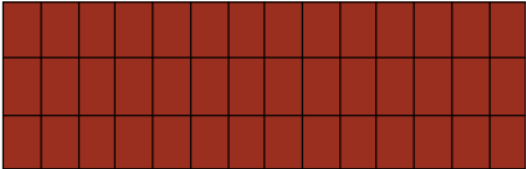
Old (bricks remain in same block) and New



Block 1 and 2, Block 3 and New, New



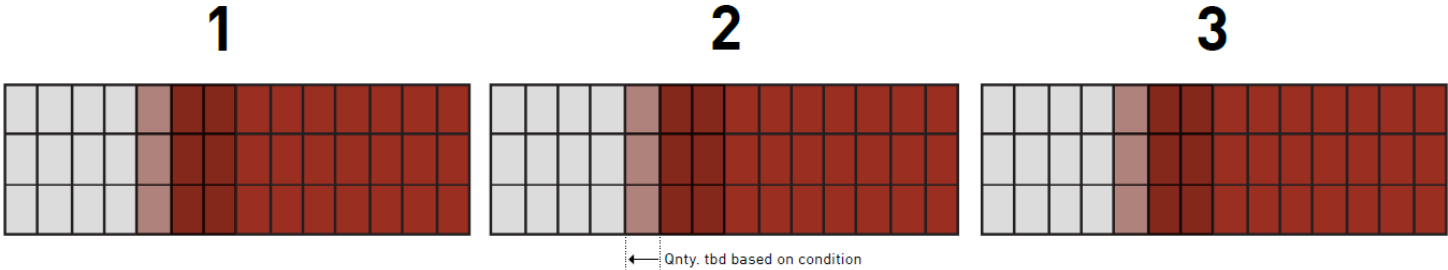
Block 1 and 2, New, Block 3



BRICK PROPOSAL

Existing bricks cannot intermix with new bricks. The community came to agreement of proposal shown below.

Design Intent: Reclaimed Native Brick remains on current block, with Non-Native Reclaimed Brick infill



LEGEND

- Native Reclaimed Brick
- Non-Native Reclaimed Brick Infill

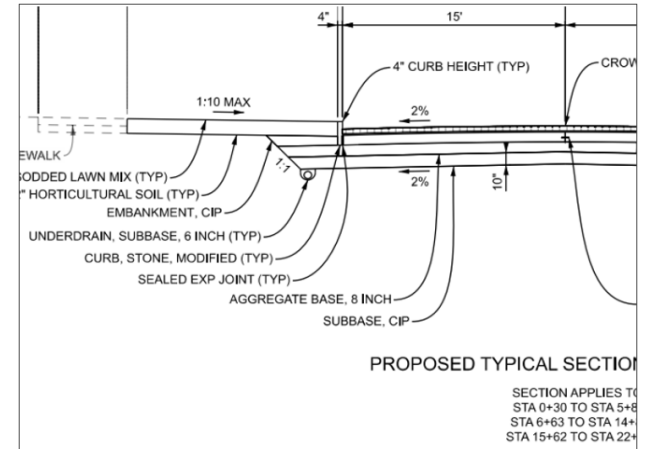
BRICK PROPOSAL

Community decided to not commemorate tank tracks from 1967 in build.

Have reached out to the 1967 historical museum to coordinate possible exhibit with materials



The proposed design includes incorporating a new 6-8 concrete base with underdrains and inlets, drainage.



EXISTING SANDSTONE CURB = 70%

Existing conditions of sandstone curb includes a variation of height differences, curb cuts no longer meet current code standards, complicating vehicle access and creating barriers for non-able people trying to reach their cars.



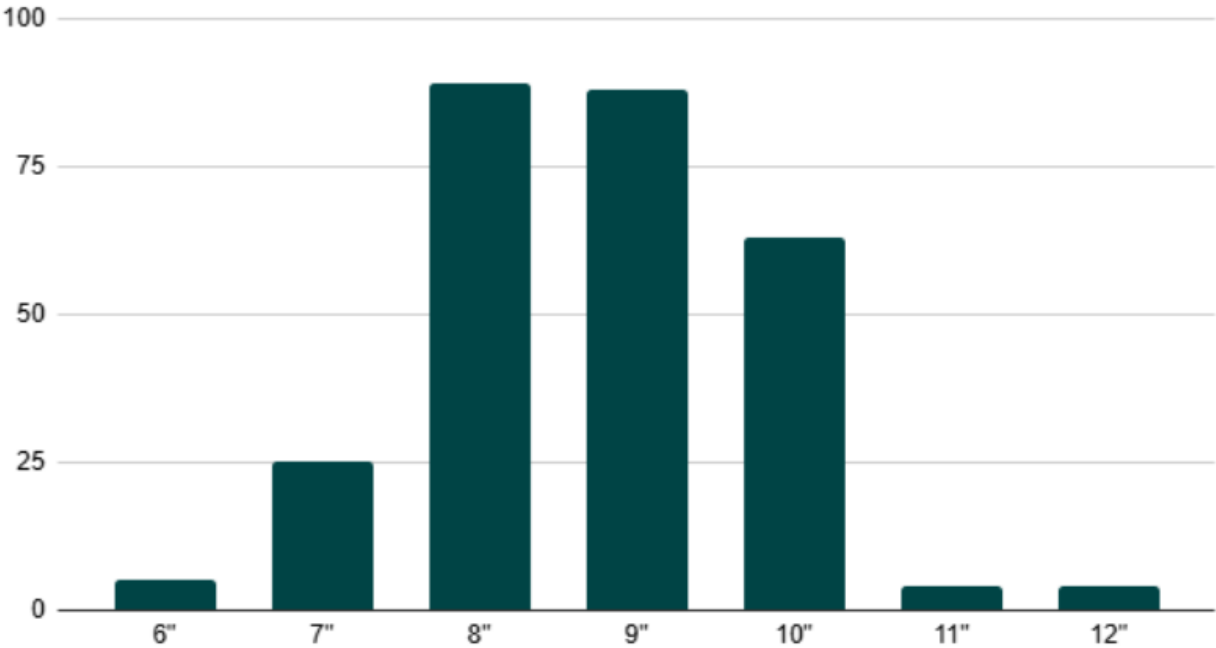
Curbs in good to moderate condition will be salvaged. A specialty cut stone provider has been coordinated on the project to procure a consistent match for stone curb replacement moving into implementation.



SANDSTONE CURB

*Existing Curb
Measurements
varying in height*

Height (Inches)	# of Bars
6"	5
7"	25
8"	89
9"	88
10"	63
11"	4
12"	4



SANDSTONE CURB = 30%

Approximately 30% of the existing stone curbs will need to be replaced with newly sourced materials.

Newly source granite stone will help create a uniform curb height of

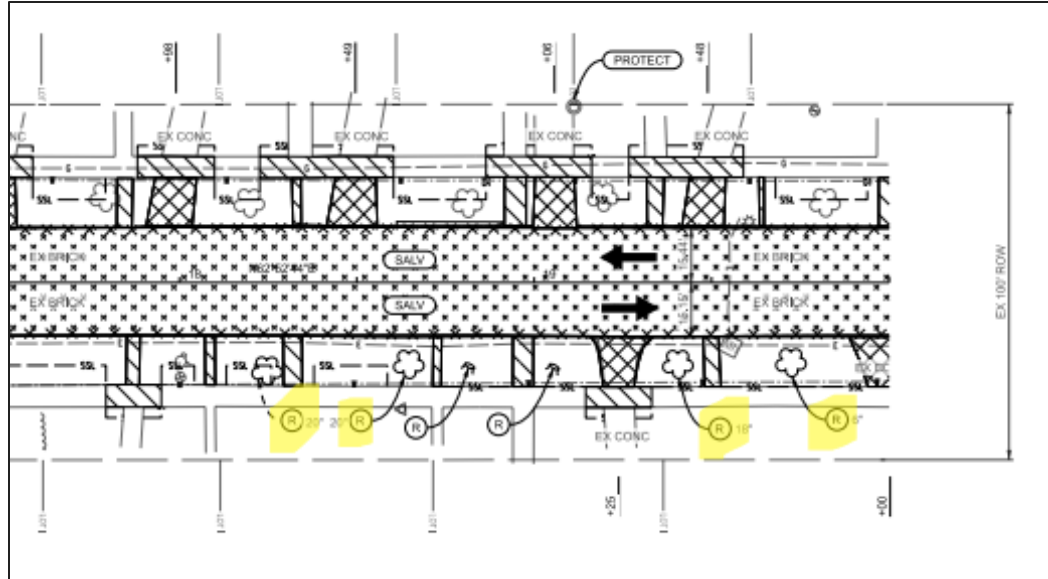


WILLIAMS STONE GRANITE CURB: \$26.77 each + freight

SITE IMPROVEMENTS

Tree Removals = 12

Removal of dead trees: (See Attached)

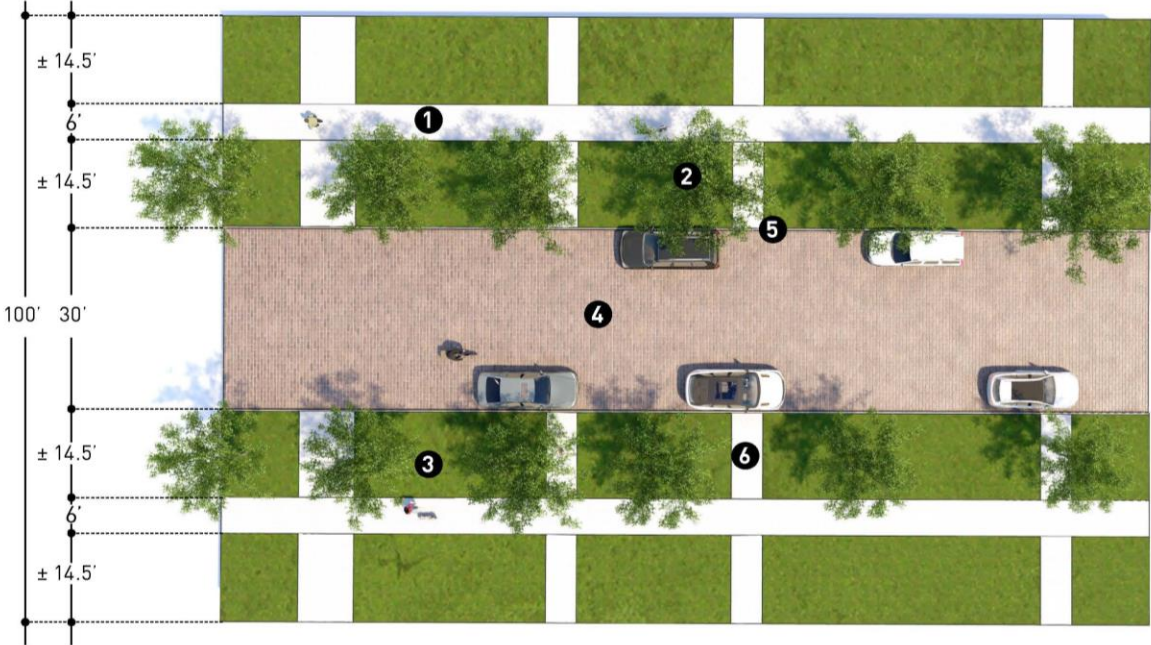


SITE IMPROVEMENTS

NEW Trees Added= 26

New addition of trees will be planted to fill voids in locations where trees seem to be missing: *(See Attached)*

- 1 EXISTING SIDEWALK
- 2 NEW AMERICAN ELM TREES
- 3 SODDED LAWN
- 4 RECLAIMED BRICK
- 5 STONE CURB
- 6 NEW CONCRETE WALK & DRIVE APPROACH (SELECT)



Let's connect!

Dolin Diaz

Planner I – DPW Complete Streets

dolin.diaz@detroitmi.gov

[\(313\)628-9999](tel:(313)628-9999)

Christina Peltier

Deputy Director – DPW Complete Streets

peltierc@detroitmi.gov

Questions?

For more information visit our website:

[In Progress | City of Detroit](#)



TAKE PART
Opportunity Rising











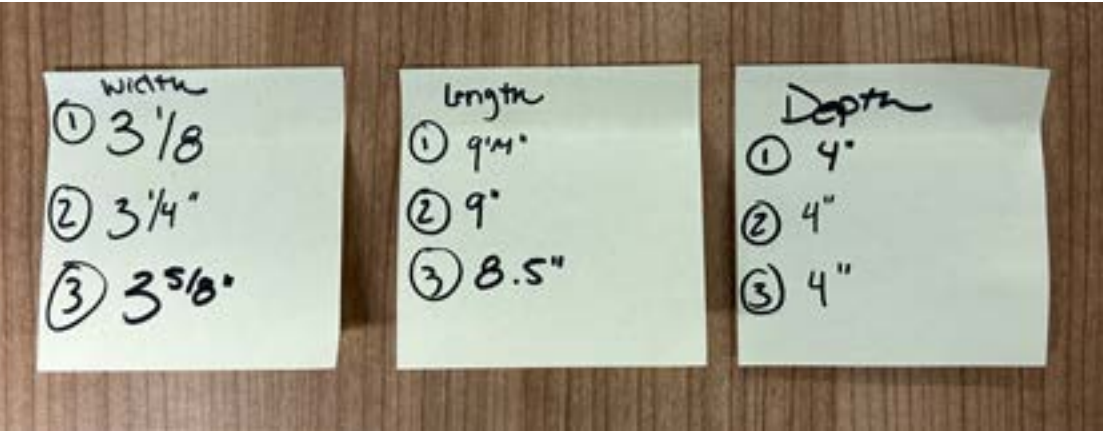








BRICK FROM SITE



Color Variation



BLOCK 1



BLOCK 2



BLOCK 3

GAVIN HISTORICAL BRICK: \$2.50 each + freight

- Block 1: 9" x 3" x 4"
- Block 2: 9" x 3 1/4" x 4"
- Block 3: 8.5" x 3 5/8" x 4"



WILLIAMS STONE GRANITE CURB: \$26.77 each + freight



WILLIAMS STONE COMPANY, INC.

1738 Lees-Wesfield Road, P.O. Box 278, East Otis, MA 01029

Tel: (800) 832-2052, (413) 269-4543, Fax: (413) 269-6148

E-mail: info@williamsstone.com, Web: www.williamsstone.com

ISO

1" = 1'-0"

4'-10' RANDOM LENGTHS

SAWN TOP & BOTTOM

SPLIT FACE & BACK

SWN. JTS.

DRESSED FOR 6" REVEAL
MAY BE SET FLUSH

6" ± 1/8"

12" ± 1"

4" MIN. FOR 2/3 LENGTH
END

1" = 1'-0"

Product Code:					612S		Unit Weight:	85#/LF		
Item Description:					6"x12" Vertical Curb		Stone Type:	Blue Sky		
Surface:	Top	Bottom	Front	Back	Left End	Right End				
Finishes:	Sawn	Sawn	Split	Split	Sawn	Sawn				
Tolerances:									Items are fabricated to tolerances per the National Building Granite Quarries Association specifications.	

PRICING

GAVIN HISTORICAL BRICK: \$2.50 each + freight

- 20% replacement = approx **\$404,500** *without tax*
- 50% replacement = approx **\$1.02M** *without tax*
- 80% replacement = approx **\$1.6M** *without tax*

BELDEN BRICK: \$2.40 each + freight

- 20% replacement = approx **\$57,000** *without tax*
- 50% replacement = approx **\$142,600** *without tax*
- 80% replacement = approx **\$228,000** *without tax*

MACK INDUSTRIES PRECAST CURB: \$490 each + freight

- 20% replacement = approx **\$98,000** *without tax*
- 50% replacement = approx **\$245,000** *without tax*
- 80% replacement = approx **\$392,000** *without tax*

WILLIAMS STONE GRANITE CURB: \$26.77 each + freight

- 20% replacement = approx **\$21,400** *without tax*
- 50% replacement = approx **\$54,000** *without tax*
- 80% replacement = approx **\$85,600** *without tax*

