

GENERAL NOTES

UTILITIES

UNDERGROUND UTILITIES / MISS DIG

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174, 2013, THE CONTRACTOR SHALL DIAL 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM

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

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 OWNERS USE. THE CONTRACTOR SHALL PLACE THE SALVAGED SPRINKLER HEADS ON THE PROPERTY OWNERS 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 OWNERS 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.

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.

DETAILED GRADES

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 IS INCLUDED IN AND PAID FOR AS ROADWAY STATION GRADING, MODIFIED. (ESTIMATED QUANTITIES OF 6,000 CYD OF EARTH EXCAVATION AND 500 CYD OF EMBANKMENT ARE PROVIDED FOR INFORMATION ONLY.)

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 ERODABLE SLOPES AS DIRECTED BY THE ENGINEER.

GENERAL LEGEND

	EXISTING	PROPOSED	EXISTING	PROPOSED	EXISTING	PROPOSED
STORM SEWER	— STM —	— — — — —	GATE VALVE	⊗	GUY WIRE ANCHOR	<
SANITARY SEWER	— SAN —	— — — — —	FIRE HYDRANT	⊕	UTILITY FLAG	—
WATER MAIN	— W —	— — — — —	STOP BOX AND VALVE	⊕	SIGN POST	—
GAS MAIN	— G —	— — — — —	FDC CONNECTION	➤	GUARD POST/BOLLARD	⊙
UNDERGROUND ELECTRIC LINES	— UGE —	— UGE —	WATER METER	⊙	FENCE POST	⊙
UNDERGROUND TELEPHONE LINES	— UGT —	— UGT —	POST INDICATOR VALVE	⊕	PAY PHONE	⊕
UNDERGROUND CABLE TELEVISION LINES	— CTV —	— CTV —	WELL HEAD	●	PARKING METER	⊙
OVERHEAD LINES	— OH —	— — — — —	IRRIGATION CONTROL BOX	⊕	RESIDENTIAL MAILBOX	⊕
PUBLIC LIGHTING LINES	— PL —	— — — — —	LAWN IRRIGATION HEAD	+	U.S. MAILBOX	⊕
STEAM LINES	— STEAM —	— — — — —	GAS VALVE	⊗	BLDG CORNER (FIELD LOCATED)	+
FENCE LINE	— X —	— — — — —	GAS MANHOLE	⊙	TREE	⊗
PROJECT PHASE LIMIT LINE	— — — — —	— — — — —	GAS RISER	⊕	WETLAND FLAG	⊕
CONCRETE CURB AND GUTTER (STANDARD)	— — — — —	— — — — —	GAS METER	⊙	SPOT ELEVATION	⊕
CONCRETE CURB AND GUTTER (REVERSED)	— — — — —	— — — — —	ELECTRIC MANHOLE	⊕	SOIL BORING	⊕
THICKENED SLAB CURB/WALK	— — — — —	— — — — —	ELECTRIC RISER	⊕	ASPH.	ASPH
STORM MANHOLE	⊕	⊕	ELECTRIC METER	⊕	CONC.	CONC.
CATCH BASIN	⊕	⊕	ELECTRIC TRANSFORMER	⊕	A.C.	A.C.
YARD BASIN	⊕	⊕	LIGHT POLE	⊕	G.P.	G.P.
INLET BASIN	⊕	⊕	TELEPHONE MANHOLE	⊕	C.L.F.	C.L.F.
END SECTION)	▲	TELEPHONE RISER	⊕	D.L.	D.L.
ROOF/DOWN SPOUT	⊕	⊕	TELEPHONE CROSS BOX	⊕	F.F.	F.F.
OVERFLOW/OUTLET STRUCTURE	⊕	⊕	CABLE RISER	⊕	O.H.	O.H.
STORM CLEAN OUT	⊕	⊕	TRAFFIC CONTROL BOX	⊕	AIR CONDITIONER	⊕
SANITARY MANHOLE	⊕	⊕	AIR CONDITIONER	⊕	PUBLIC LIGHTING MANHOLE	⊕
SANITARY CLEAN OUT	⊕	⊕	UTILITY POLE	⊕		
SANITARY RISER	⊕	⊕				
SANITARY PUMP STATION	⊕	⊕				

BASES

AGGREGATE BASE

AGGREGATE BASES SHALL BE 21AA AGGREGATE UNLESS OTHERWISE SPECIFIED.

SEED MIXTURE

THE SEED MIXTURE TO BE USED FOR THE PAY ITEM OF SLOPE RESTORATION, TYPE A SHALL BE MDOT SEED MIXTURE TUF.

RECREATIONAL PROPERTIES

THE CONTRACTOR SHALL NOT PARK ANY VEHICLES OR STORE ANY EQUIPMENT ON ANY PUBLIC RECREATIONAL PROPERTY. ACCESS TO THE RECREATIONAL SITE MUST BE MAINTAINED AT ALL TIMES.

TURF ESTABLISHMENT

ENVIRONMENTAL

PROJECT BENCHMARKS

(CITY OF DETROIT) DATUM

SITE BENCH MARK NO. 1
ARROW ON HYDRANT (2007) AT THE NORTHEAST CORNER OF MT. ELLIOTT STREET AND GEORGIA STREET.

ELEVATION: 150.93'

SITE BENCHMARK NO. 2
ARROW ON HYDRANT AT THE SOUTHEAST CORNER OF MT. ELLIOTT STREET AND GEORGIA STREET.

ELEVATION: 151.96'

SITE BENCHMARK NO. 3
ARROW ON HYDRANT (1917) AT THE NORTHEAST CORNER OF MT. ELLIOTT STREET AND CYMBAL STREET.

ELEVATION: 151.79'

SITE BENCHMARK NO. 4
ARROW ON HYDRANT (1925) AT THE NORTHEAST CORNER OF MT. ELLIOTT STREET.

ELEVATION: 152.05'

SITE BENCHMARK NO. 5
ARROW ON HYDRANT (1929) AT THE NORTHWEST CORNER OF MT. ELLIOTT STREET AND CONANT STREET.

ELEVATION: 153.51'

CITY OF DETROIT BENCHMARK NO. 50-250A
CITY OF DETROIT BENCHMARK DISK IN MONUMENT BOX AT THE NORTHWEST CORNER OF MILLER STREET AND MT. ELLIOTT STREET.

ELEVATION: 149.16' (MEASURED) 149.14' (RECORD)

ROAD STANDARD PLANS

CONSTRUCTION OF THE FOLLOWING ITEMS, WHERE CALLED FOR ON THE PLANS, WILL BE CONSTRUCTED ACCORDING TO MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD PLANS AS INDICATED.

ITEM OF WORK	STANDARD PLAN NUMBERS
SIDEWALK RAMP AND DETECTABLE WARNING DETAILS WITH CITY OF DETROIT THICKNESS AMENDMENT.	R-28-J
ALLEY RETURN AND DRIVE APPROACH	C-4384
CONCRETE CURB AND CONCRETE CURB & GUTTER	R-30-G
TRANSVERSE PAVEMENT JOINTS (PLAIN CONCRETE PAVEMENT)	R-39-J
LONGITUDINAL PAVEMENT JOINTS	R-41-H
TYPICAL JOINT LAYOUTS FOR CONCRETE PAVEMENT	R-42-F
SOIL EROSION AND SEDIMENTATION CONTROL MEASURES	R-96-E
TRAFFIC AND SAFETY STANDARD PLANS	
GROUND DRIVEN SIGN SUPPORTS FOR TEMP SIGNS	WZD-100-A
TEMPORARY TRAFFIC CONTROL DEVICES	WZD-125-E
TABLES FOR "L", "D", AND "B" VALUES	M0020a
ADV SIGN TREAT-FINES-UNDIV-2-WAY-RDWAY-DEVICES MAY REMAIN	M0040a
UNDIVIDED ROADWAY-ONE LANE CLOSURE-NO SPEED REDUCTION	M0240a
MULTI-LANE UNDIVIDED CLOSE CENTER LANE LTO & ADJ THRU LANE M0380a	
ROADSIDE SIGN LOCATIONS AND SUPPORT SPACING	SIGN-120-E
STEEL POSTS	SIGN-200-E
WOOD POSTS	SIGN-210-B
MISCELLANEOUS SIGN CONNECTION DETAILS	SIGN-740-B
CITY OF DETROIT FIELD MARKING STANDARDS	SG-50
	SPECIAL DETAIL

MISCELLANEOUS QUANTITIES

1	EA	PROJECT SIGN
100,000	DLR	PERMIT ALLOWANCE
1	LSJM	MOBILIZATION, MAX 10% MAX
5,000	CYD	NON-HAZ CONTAMINATED MATERIAL HANDLING AND DISPOSAL, LM
500	CYD	SUBGRADE UNDERCUTTING, TYPE II
1	LSJM	PROJECT CLEANUP
150	TON	MAINTENANCE GRAVEL
6	MO	FIELD OFFICE, CL 3
2,800	DLR	FIELD OFFICE, UTILITY FEES
1	LSJM	CONTRACTOR STAKING
40	HR	STAKING PLAN ERRORS AND EXTRAS, ONE PERSON
20	HR	STAKING PLAN ERRORS AND EXTRAS, TWO PERSON

DEMOLITION QUANTITIES

4,081	SYD	SIDEWALK, REM
10,685	SYD	PAVT, REM
17,075	SYD	COLD MILLING HMA SURFACE
26	EA	DR STRUCTURE, REM
260	FT	SEWER, REM, LESS THAN 24 INCH
8	EA	SIGN, TYPE III, REM
0	EA	EROSION CONTROL, GRAVEL ACCESS APPROACH
36	EA	EROSION CONTROL, INLET PROTECTION, FABRIC DROP
6,400	FT	EROSION CONTROL, SILT FENCE
900	FT	TRACK, REM

CONSTRUCTION QUANTITIES

33,089	SFT	SIDEWALK, CONC, 6 INCH
6,366	SFT	SIDEWALK RAMP, CONC, 6 INCH
14,979	SYD	CONC PAVT WITH INTEGRAL CURB, NONREINF, 10 INCH
7,097	FT	JOINT, CONTRACTION, CP
846	FT	JOINT, EXPANSION, E2
343	SYD	DRIVEWAY, NONREINF CONC, 8 INCH
47	SYD	DRIVEWAY, NONREINF CONC, 10 INCH
514	FT	DRIVEWAY OPENING, CONC, DET M
50	TON	HAND PATCHING
343	SYD	AGGREGATE BASE, 8 INCH
15,026	SYD	AGGREGATE BASE, 12 INCH
725	CYD	GRANULAR MATERIAL, CL II
371	FT	DETECTABLE WARNING SURFACE
115	EA	LANE TIE, EPOXY ANCHORED
29	STA	STATION GRADING

UTILITY QUANTITIES

22	EA	DR STRUCTURE, 48 INCH DIA
9	EA	DR STRUCTURE COVER, DETROIT MANHOLE
22	EA	DR STRUCTURE COVER, DETROIT CATCH BASIN
51	EA	DR STRUCTURE COVER, ADJ, CASE 1
5,770	FT	UNDERDRAIN, SUBGRADE, 6 INCH
471	FT	SEWER, CL IV, 12 INCH, TR DET B
14	EA	SEWER TAP, 12 INCH
291	FT	CURED-IN-PLACE PIPE LINING, 12 INCH
125	FT	DR STRUCTURE, ADD DEPTH OF 24 INCH DIA, 8 FOOT TO 15 FOOT
150	FT	DR STRUCTURE, ADD DEPTH OF 48 INCH DIA, 8 FOOT TO 15 FOOT
300	FT	DR STRUCTURE, ADD DEPTH OF 48 INCH DIA, MORE THAN 15 FOOT

PAVEMENT MARKING QUANTITIES

1,532	FT	PAVT MRKG, ONLY COLD PLASTIC, 12 INCH, CROSSWALK
353	FT	PAVT MRKG, ONLY COLD PLASTIC, 18 INCH, STOP BAR
1	EA	PAVT MRKG, ONLY COLD PLASTIC, LT TURN ARROW SYM
1	EA	PAVT MRKG, ONLY COLD PLASTIC, ONLY
1,395	FT	PAVT MRKG, SPRAYABLE THERMOP, 4 INCH, WHITE
5,214	FT	PAVT MRKG, SPRAYABLE THERMOP, 4 INCH, YELLOW
112	SFT	REMOVE CURING COMPOUND, FOR SPEC MRKG
2,240	SFT	RECESSING PAVEMENT MARKINGS, TRANSV

SIGNAGE QUANTITIES

265	SFT	SIGN, TYPE IIIA
28	SFT	SIGN, TYPE IIIB
19	SFT	SIGN, TYPE IB
40	EA	BAND SIGN
654	FT	POST, STEEL, 3 LB
27	EA	POST HOLE THROUGH CONC
28	EA	CANTILEVER BRACKET, 24 INCH, SIGN
7	EA	SIGN, TYPE III, ERECT, SALV

MAINTAINING TRAFFIC QUANTITIES

155	EA	BARRICADE, TYPE III, HIGH INTENSITY, LIGHTED, FURN
103	EA	BARRICADE, TYPE III, HIGH INTENSITY, LIGHTED, OPER
1	EA	LIGHTED ARROW, TYPE C, FURN
1	EA	LIGHTED ARROW, TYPE C, OPER
1	LSJM	MINOR TRAF DEVICES
105	EA	PLASTIC DRUM, FLUORESCENT, FURN
84	EA	PLASTIC DRUM, FLUORESCENT, OPER
1,082	SFT	SIGN, TYPE B, TEMP, PRISMATIC, FURN
832	SFT	SIGN, TYPE B, TEMP, PRISMATIC, OPER

MISCELLANEOUS SYMBOLS

(ADJ)	ADJUST DRAINAGE STRUCTURE
(ADJ-K)	ADJUST DRAINAGE STRUCTURE W/ COVER "K"
(ADJ-F)	ADJUST DRAINAGE STRUCTURE W/ COVER "F"
	(CITY OF DETROIT "FLAT TYPE GRATE & COVER,
	SEE STANDARD PLAN C-4392)
(ADJ-B10)	ADJUST STRUCTURE BY OTHERS

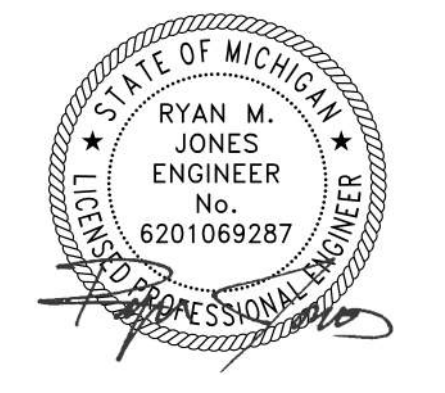
**giffels
webster**

Engineers
Surveyors
Planners
Landscape Architects

28 West Adams Road
Suite 1200
Detroit, MI 48226
p (313) 962-4442
f (313) 962-5068
www.giffelswebster.com

Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E

Professional Seal:



811

Know what's below.
Call before you dig.

DATE	ISSUE:
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	REVISED BID SET
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
**Economic Development
Corporation of the City of Detroit**

500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

GENERAL NOTES AND LEGEND

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=XX'
Sheet:	C002
Project:	19483.00D

Copyright © 2020 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.

Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

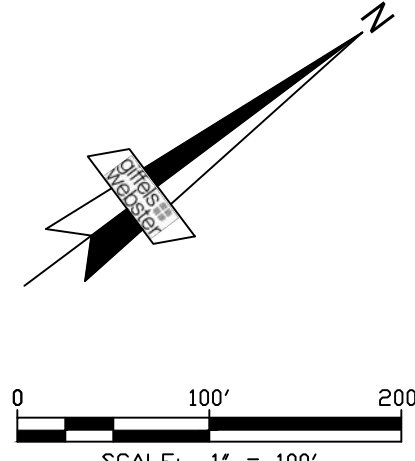
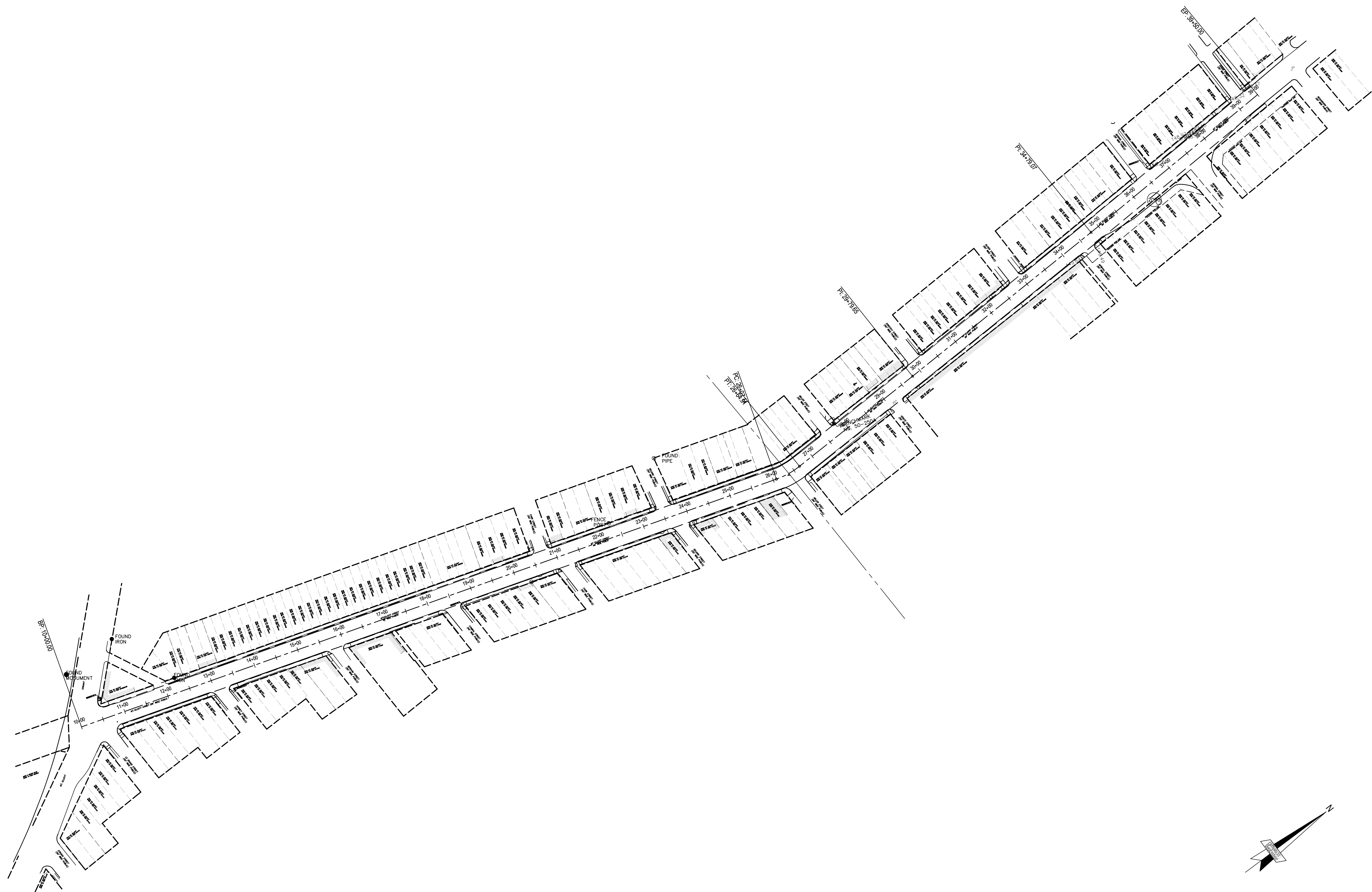
ALIGNMENT

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

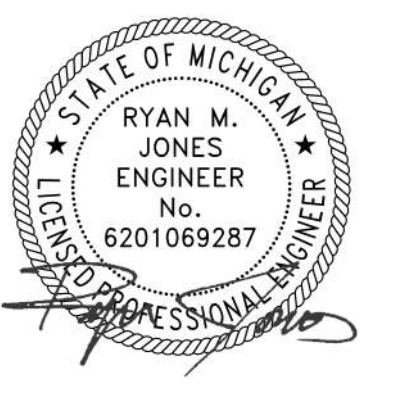
Date:	06.11.2021
Scale:	1"=100'
Sheet:	C003
Project:	19483.00D

Copyright © 2021 Giffels Webster.
No reproduction shall be made without the
prior written consent of Giffels Webster.



Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

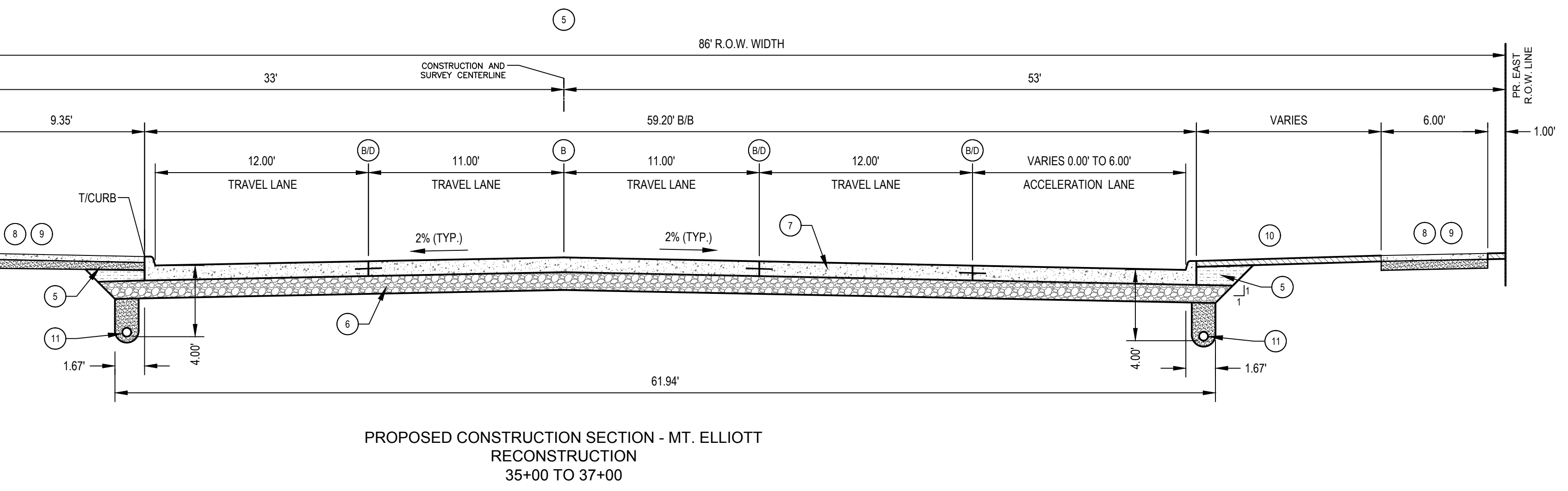
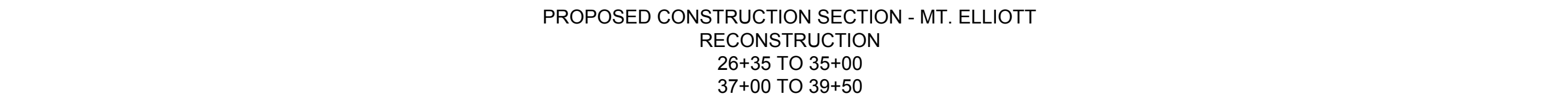
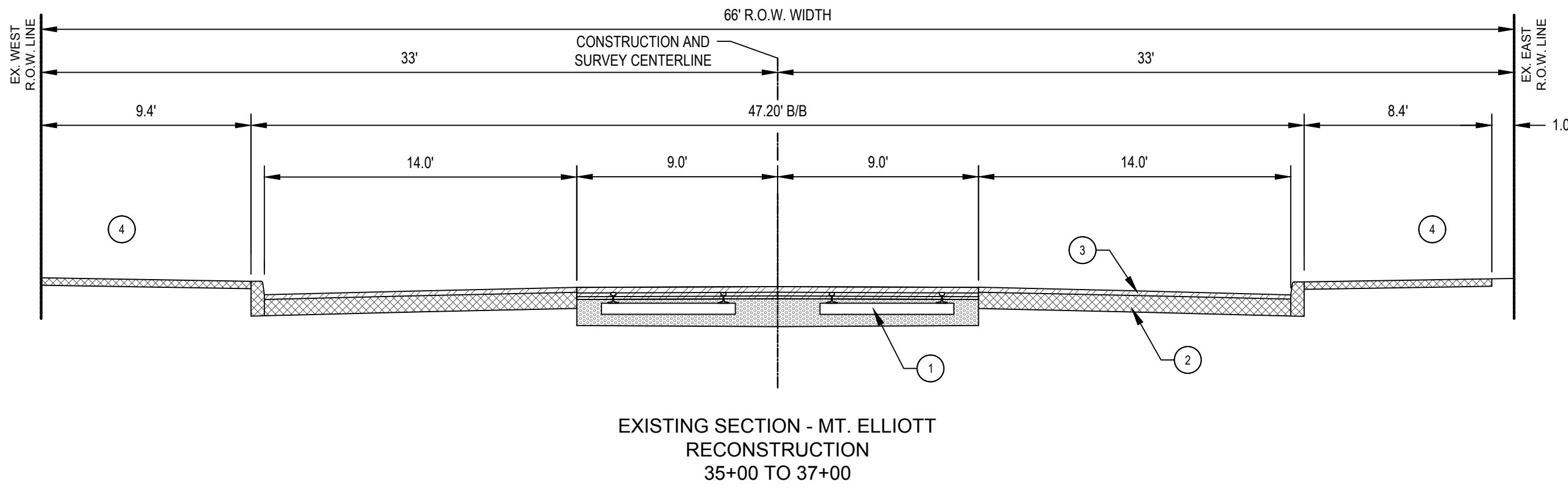
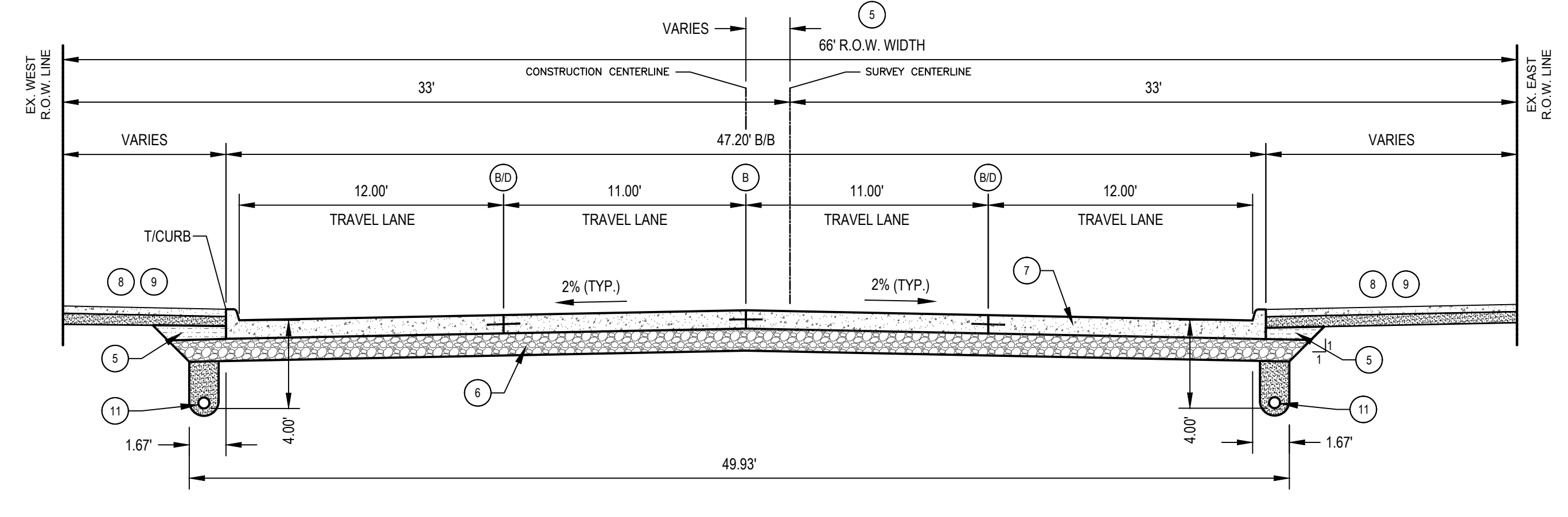
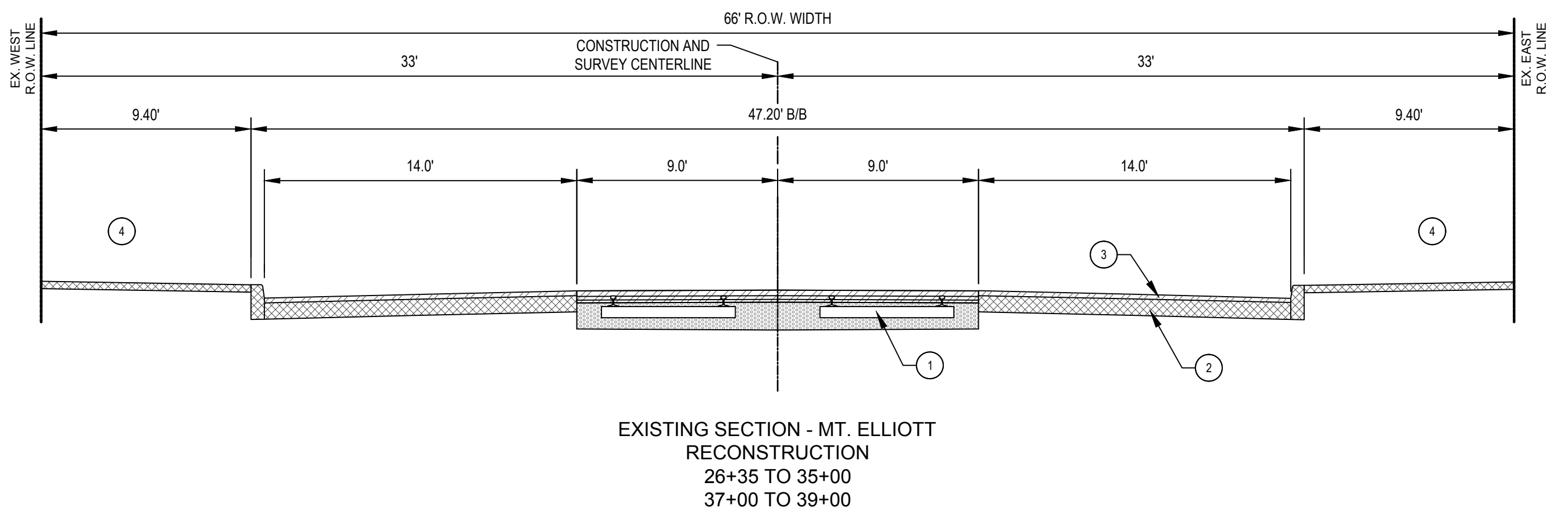
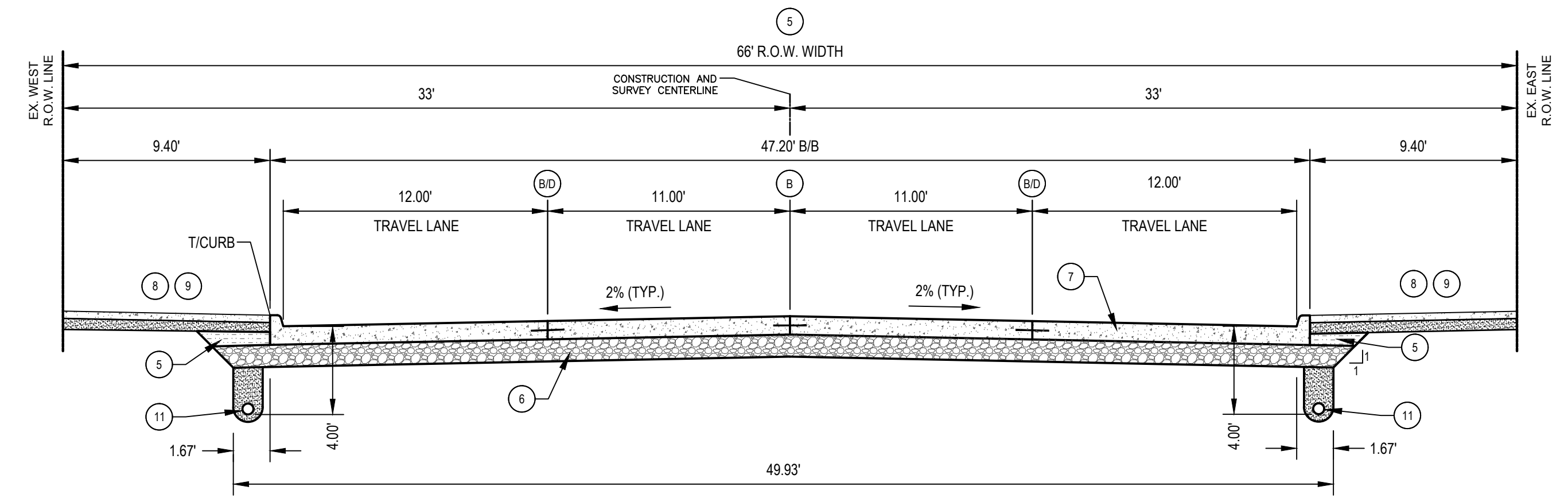
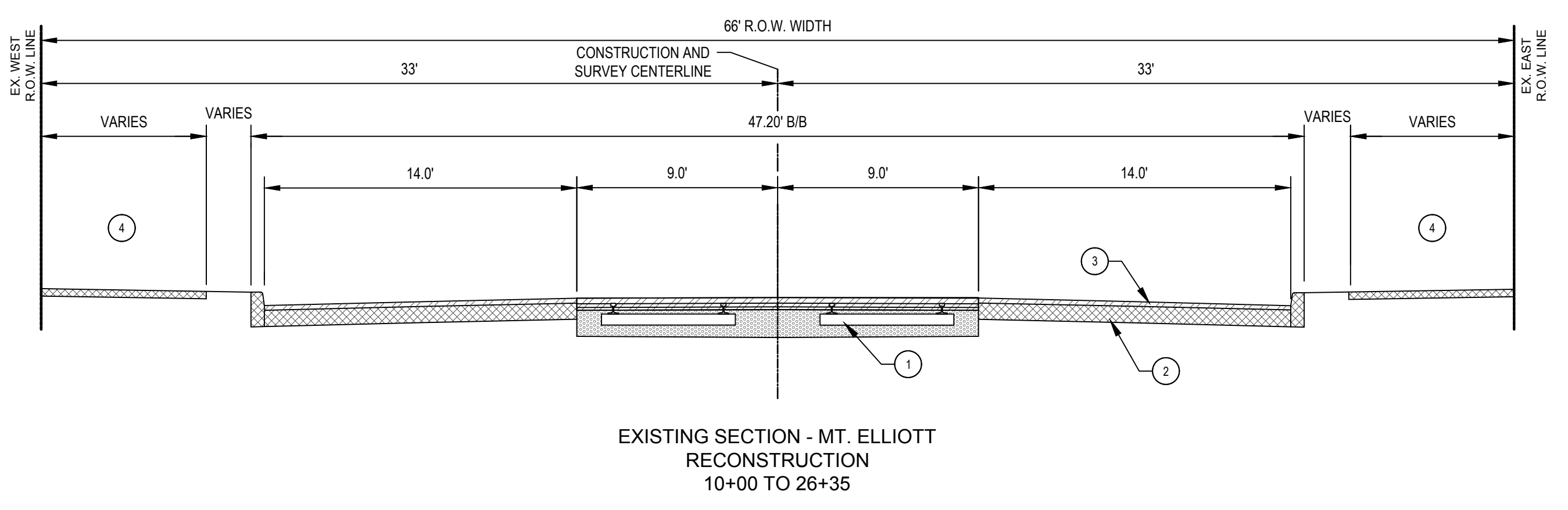
ROADWAY CROSS SECTIONS

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=XX'
Sheet:	C004
Project:	19483.00D

Copyright © 2020 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.



No. PAY ITEM

- 1 COLD MILL SURFACE, HMA

No. PAY ITEM

- 1 TRACK, REM
- 2 PAVT, REM (INCLUDES CURB)
- 3 HMA SURFACE, REM
- 4 SIDEWALK, REM
- 5 STATION GRADING
- 6 AGGREGATE BASE, 12 INCH
- 7 CONC PAVT WITH INTEGRAL CURB, NONREINF, 10 INCH
- 8 GRANULAR MATERIAL, CL II
- 9 SIDEWALK, CONC, 4 INCH
- 10 SLOPE RESTORATION, TYPE D
- 11 UNDERDRAIN, SUBGRADE, 6 INCH (WITH CL II BACKFILL)
- 12 HMA, SE50 ON 4E50

LEGEND

- HMA SURFACE REMOVAL
- CONCRETE PAVEMENT/SIDEWALK REMOVAL (INCLUDES CURB REMOVAL)
- COLD MILL SURFACE
- CONCRETE PAVEMENT/SIDEWALK
- GRANULAR MATERIAL, CL II (6 INCH MINIMUM)
- 12 INCH AGGREGATE BASE
- SLOPE RESTORATION, TYPE D
- STATION GRADING

SYMBOL

- (B/D) LONGITUDINAL BULKHEAD/LANE TIE JOINT

FOR EXPANSION & CONTRACTION JOINT SPACING, REFER TO CITY OF DETROIT STANDARD C-4379 ON SHEET C703. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF JOINT DETAIL FOR APPROVAL.

LEGEND - EXISTING

SECTION LINE	⊙ SAN. MH	⊙ GAS METER	★ MISC. TOPO. SHOT
E/ PAVEMENT	⊙ SAN. CLEAN OUT	⊙ GAS RISER	△ SURVEY CONTROL POINT
CURB	⊙ SAN. RISER	⊙ GAS VALVE	● FOUND IRON
E/ GRAVEL	⊙ SAN. PUMP STATION	⊙ GAS MH	● FOUND NAIL
CL ROAD	⊙ COMB. MH	⊙ TELE. RISER	✕ F. CUT CROSS
E/ WALK	⊙ GATE VALVE	⊙ TELE. MH	⊙ SECTION COR.
RAILROAD	⊙ HYDRANT	⊙ TELE. CROSS BOX	⊙ FENCE POST
E/ BRICK	⊙ WATER VALVE	⊙ CABLE RISER	⊙ BENCHMARK
MISC. LINE	⊙ WATER METER	⊙ PAY PHONE	⊙ FOUND PIPE
FENCE	⊙ POST INDICATOR VALVE	⊙ MANHOLE	● FOUND MON.
GUARD RAIL	⊙ WELL HEAD	ASPH. ASPHALT	
WALL	⊙ FDC CONNECTION	CONC. CONCRETE	
BLDG. LINE	⊙ IRRIGATION CONTROL BOX	A.C. AIR CONDITIONER	
OVERHEAD WIRES	⊙ STORM MH	G.P. GUARD POST	
RAILING	⊙ CATCH BASIN	C.L.F. CHAIN-LINK FENCE	
OVERHANG LINE	⊙ BEEHIVE CB	D.L. DOOR LEDGE	
RIGHT OF WAY	⊙ CULVERT E.S.	F.F. FINISHED FLOOR	
PROPOSED RIGHT OF WAY	⊙ ROOF/DOWN SPOUT	O.H. OVERHANG	
CL DITCH/STREAM	⊙ OVERFLOW/OUTLET STRUCTURE	F.I. FOUND IRON	
SHRUB LINE	⊙ STORM CLEAN OUT	S.I. SET IRON	
TREE LINE	⊙ ROUND CB	F.I.P. FOUND IRON PIPE	
WATER EDGE	⊙ LIGHT POLE	M. MEASURED	
WETLAND LINE	⊙ UTILITY POLE	R. RECORD	
STORM LINE	⊙ UG ELEC. LINE	F.M. FOUND MONUMENT	
SAN. LINE	⊙ UG TELE. LINE	S.N. SET NAIL	
WATER LINE	⊙ UG CABLE TV LINE	CMP CORRUGATED METAL PIPE	
GAS LINE	⊙ PAINT STRIPE	RCP REINFORCED CONCRETE PIPE	
UG ELEC. LINE	⊙ COMBINED SEWER	G.L. GROUND LIGHT	
UG TELE. LINE	⊙ PLD LINE		
UG CABLE TV LINE	⊙ STEAM LINE		
PAINT STRIPE	⊙ ELECTRIC OVERHEAD		
COMBINED SEWER	⊙ TELEPHONE OVERHEAD		
PLD LINE			
STEAM LINE			
ELECTRIC OVERHEAD			
TELEPHONE OVERHEAD			

BENCH MARK DATA

(CITY OF DETROIT) DATUM

SITE BENCHMARK NO. 1
ARROW ON HYDRANT (2007) AT THE NORTHEAST CORNER OF MT. ELLIOTT STREET AND GEORGIA STREET.
ELEVATION: 150.93'

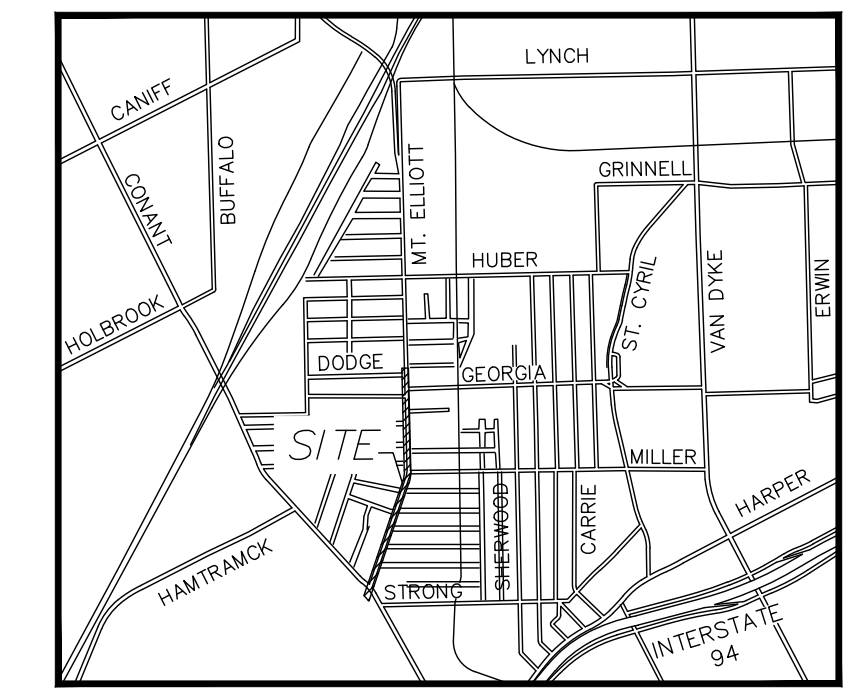
SITE BENCHMARK NO. 2
ARROW ON HYDRANT AT THE SOUTHEAST CORNER OF MT. ELLIOTT STREET AND CYMBAL STREET.
ELEVATION: 151.96'

SITE BENCHMARK NO. 3
ARROW ON HYDRANT (1917) AT THE NORTHEAST CORNER OF MT. ELLIOTT STREET AND CYMBAL STREET.
ELEVATION: 151.79'

SITE BENCHMARK NO. 4
ARROW ON HYDRANT (1925) AT THE NORTHEAST CORNER OF MT. ELLIOTT STREET.
ELEVATION: 152.05'

SITE BENCHMARK NO. 5
ARROW ON HYDRANT (1929) AT THE NORTHWEST CORNER OF MT. ELLIOTT STREET AND CONANT STREET.
ELEVATION: 153.51'

CITY OF DETROIT BENCHMARK NO. 50-250A
CITY OF DETROIT BENCHMARK DISK IN MONUMENT BOX AT THE NORTHWEST CORNER OF MILLER STREET AND MT. ELLIOTT STREET.
ELEVATION: 149.16' (MEASURED) 149.14' (RECORD)



LOCATION MAP (NOT TO SCALE)

giffels webster

Engineers
Surveyors
Planners
Landscape Architects

28 West Adams Road
Suite 1200
Detroit, MI 48226
p (313) 962-4442
f (313) 962-5088
www.giffelswebster.com

Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E



811

Know what's below.
Call before you dig.

DATE:	ISSUE:
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION
---	---
---	---
---	---
---	---

Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

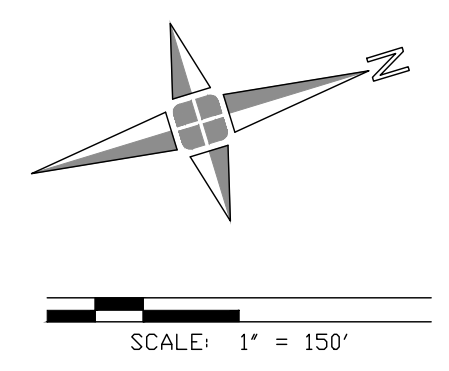
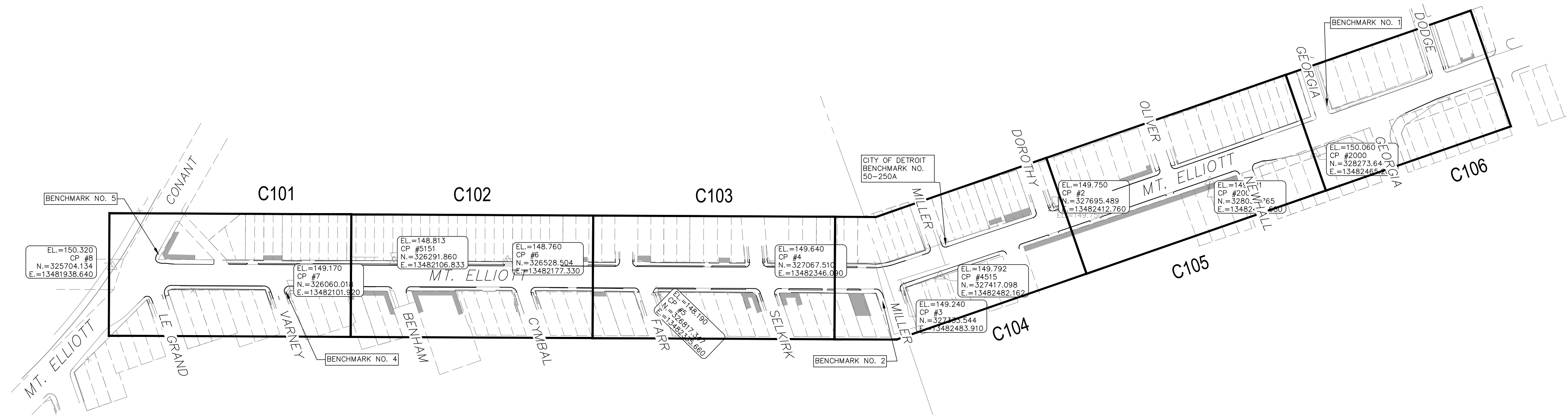
EXISTING CONDITIONS

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=150'
Sheet:	C100
Project:	19483.00D

Copyright © 2020 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.



NOTES:

- CABLE TV UTILITY MAPS WERE NOT AVAILABLE AT TIME OF SURVEY.
- TREE SIZES AND SPECIES ARE THE BEST ESTIMATION OF THE FIELD SURVEYOR. SPECIFIC QUESTIONS REGARDING INDIVIDUAL TREES SHOULD BE DIRECTED TO A QUALIFIED FORESTER.
- THE BASIS OF BEARING FOR THE PROPERTY DESCRIPTION OVERALL PARCEL AS FIELD SURVEYED IS BASED ON THE STATE PLANE COORDINATE SYSTEM.
- SEE SHEET C107 FOR SCHEDULE OF STRUCTURES.

UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

(R) = UTILITY SHOWN FROM RECORDS OR PLANS, & FIELD LOCATED WHERE POSSIBLE.

PRIOR TO THE PLANNED BUILDING IMPROVEMENTS, AND/ OR CONSTRUCTION, THE RESPECTIVE UTILITY COMPANIES MUST BE NOTIFIED TO STAKE THE PRECISE LOCATION OF THEIR UTILITIES.

Executive: MGD
Manager: MGD
Designer: RMJ/TAB
Quality Control: MGD
Section: 21/28
T-01-S R-12-E

Professional Seal:



Know what's below.
Call before you dig.

DATE:	ISSUE:
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION
---	---
---	---
---	---
---	---
---	---

Developed For:
**Economic Development
Corporation of the City of Detroit**
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

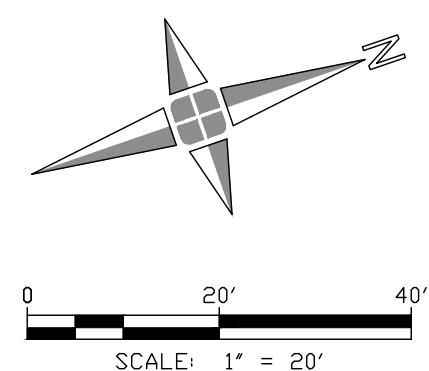
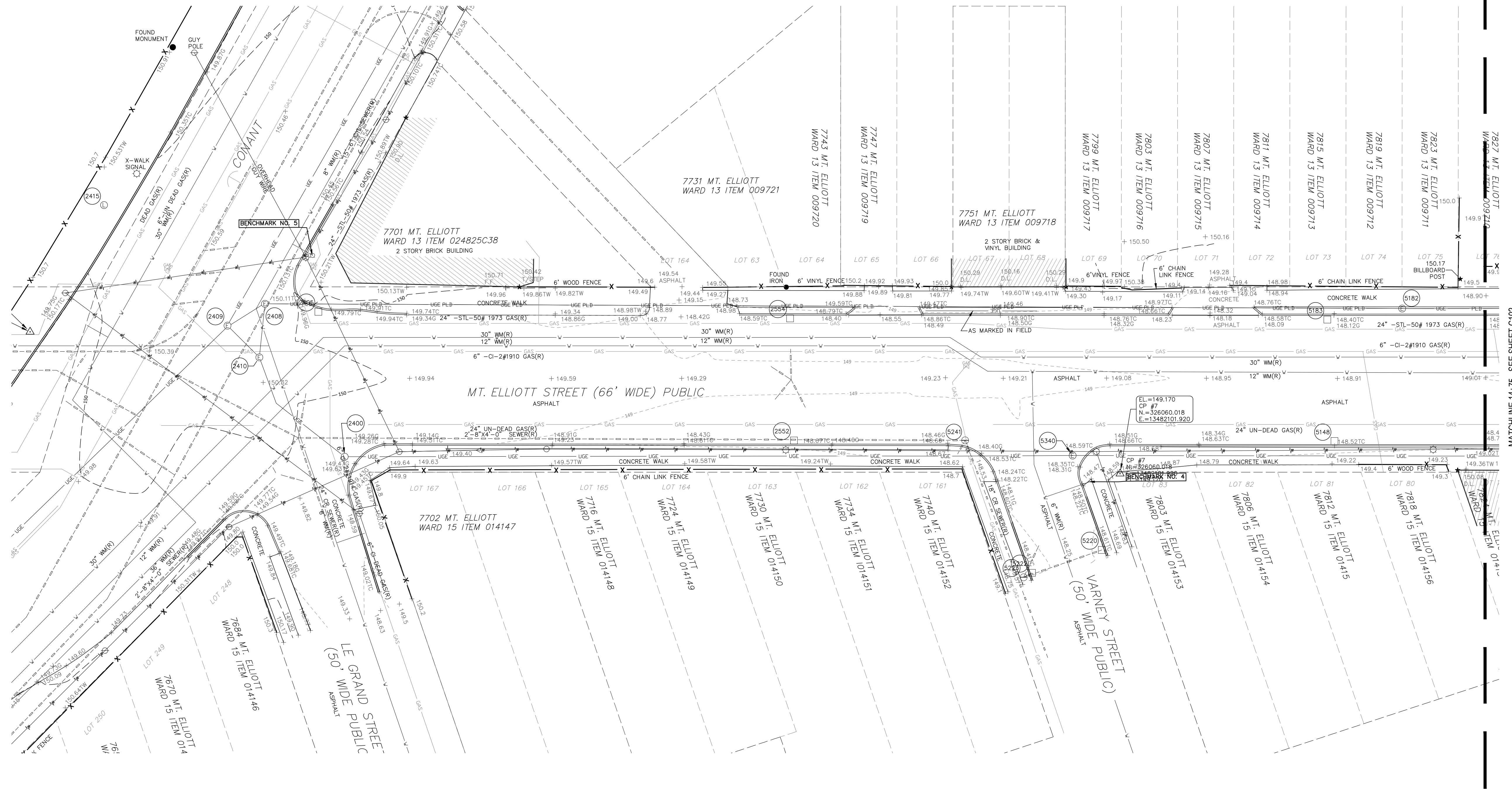
**EXISTING
CONDITIONS**
STA 10+00 TO 14+75

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date: 06.11.2021
Scale: 1"=20'
Sheet: C101
Project: 19483.00D

Copyright © 2021 Giffels Webster.
No reproduction shall be made without the
prior written consent of Giffels Webster.



V:\19483.00D Mt Elliott Road Project\Civil Engineering\Phase4 Construction Documents\Work Sheets\C101 Schedule of Structures.dwg

Executive: MGD
Manager: MGD
Designer: RMJ/TAB
Quality Control: MGD
Section: 21/28
T-01-S R-12-E

Professional Seal:



Know what's below.
Call before you dig.

DATE:	ISSUE:
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION
---	---
---	---
---	---
---	---
---	---

Developed For:
**Economic Development
Corporation of the City of Detroit**
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

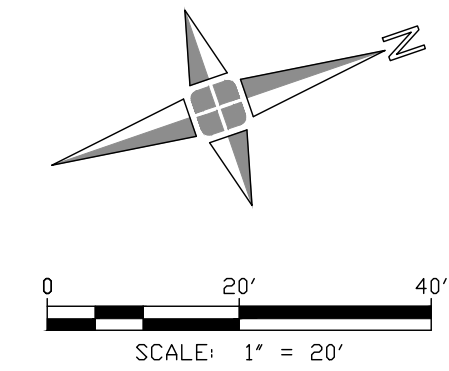
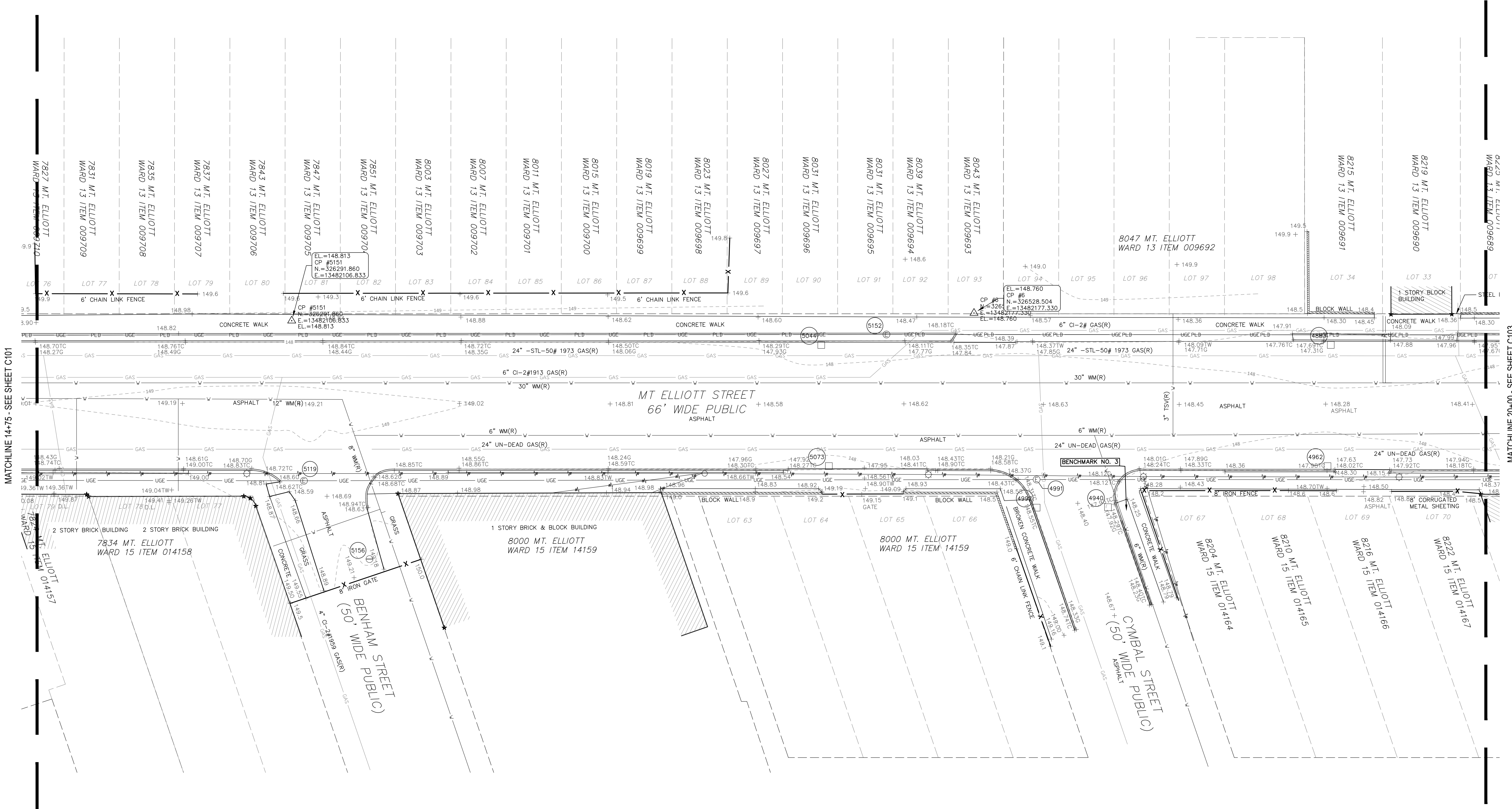
**EXISTING
CONDITIONS**
STA 14+75 TO 20+00

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date: 06.11.2021
Scale: 1"=20'
Sheet: C102
Project: 19483.00D

Copyright © 2021 Giffels Webster.
No reproduction shall be made without the
prior written consent of Giffels Webster.



Executive: MGD
Manager: MGD
Designer: RMJ/TAB
Quality Control: MGD
Section: 21/28
T-01-S R-12-E

Professional Seal:



Know what's below.
Call before you dig.

DATE:	ISSUE:
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION
---	---
---	---
---	---
---	---
---	---
---	---

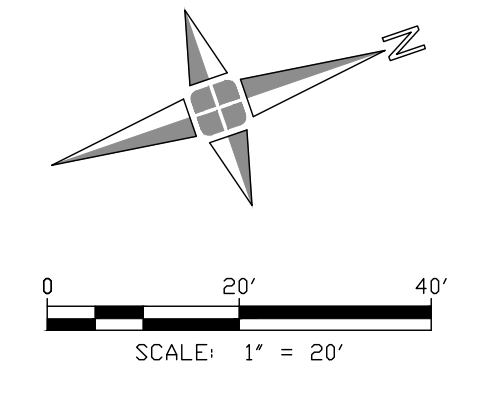
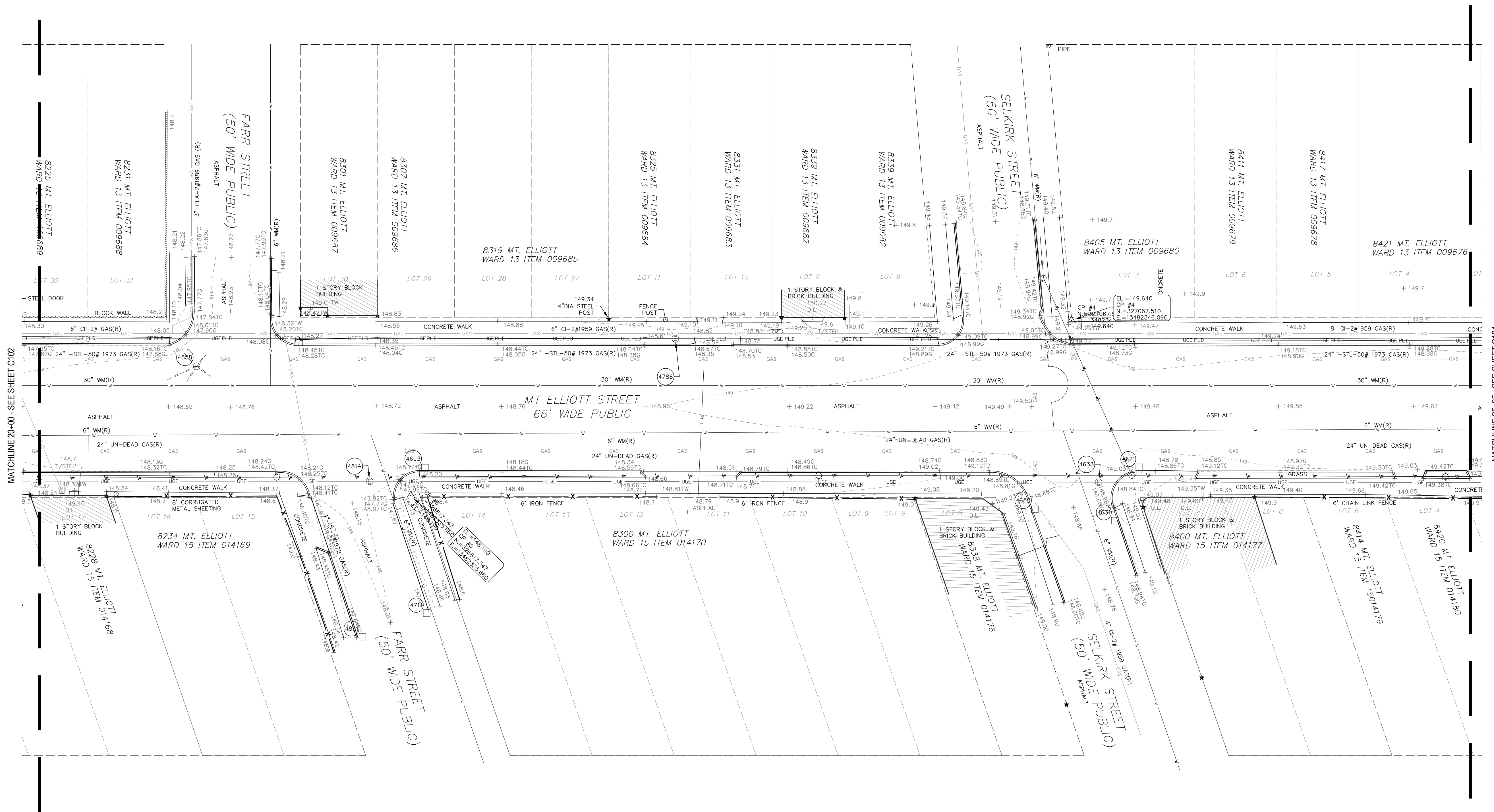
Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

EXISTING CONDITIONS
STA 20+00 TO 25+25

Mt Elliott Street Reconstruction

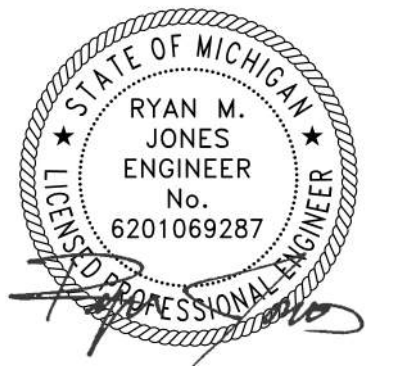
City of Detroit
Wayne County
Michigan

Date: 06.11.2021
Scale: 1"=20'
Sheet: C103
Project: 19483.00D



Executive: MGD
Manager: MGD
Designer: RMJ/TAB
Quality Control: MGD
Section: 21/28
T-01-S R-12-E

Professional Seal:



Know what's below.
Call before you dig.

DATE:	ISSUE:
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION
---	---
---	---
---	---
---	---
---	---

Developed For:
**Economic Development
Corporation of the City of Detroit**
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

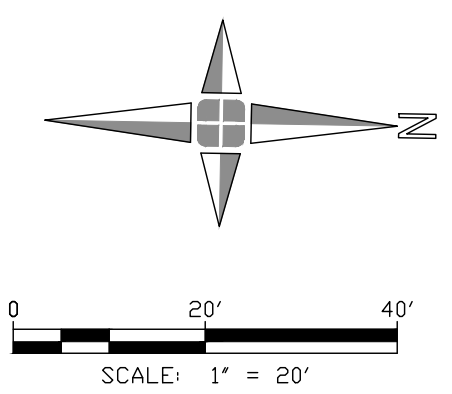
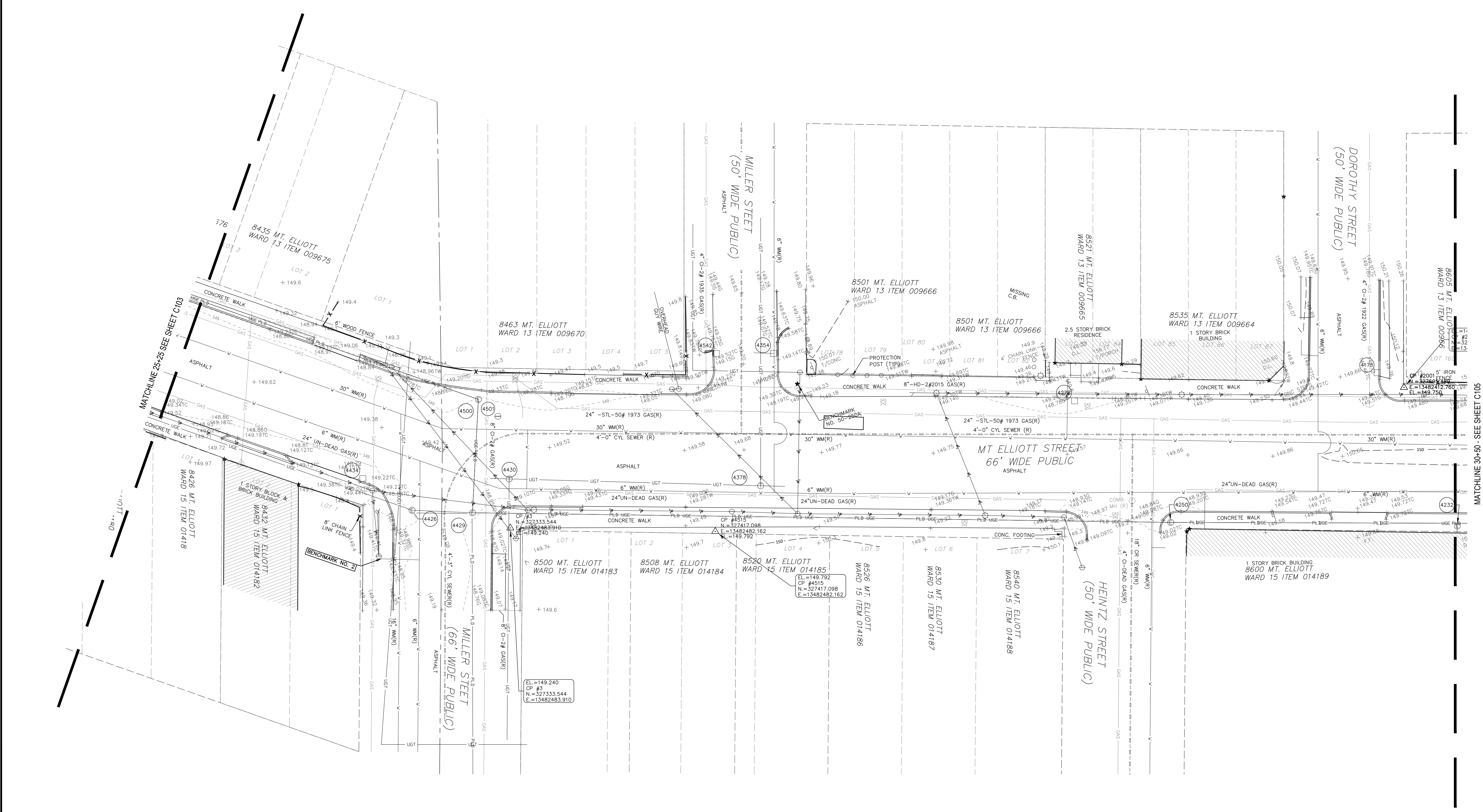
**EXISTING
CONDITIONS**
STA 25+25 TO 30+50

Mt Elliott Street Reconstruction

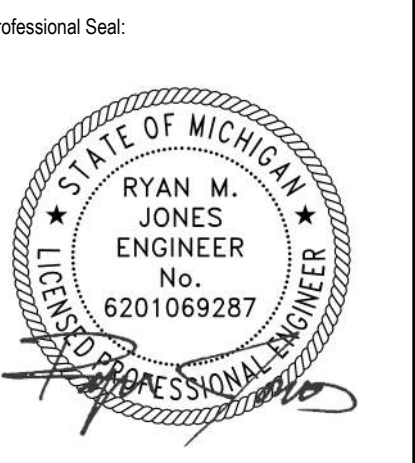
City of Detroit
Wayne County
Michigan

Date: 06.11.2021
Scale: 1"=20'
Sheet: C104
Project: 19483.00D

V:\19483.00D\Mt Elliott Road Project\Civil Engineering\Phase4 Construction Documents\Work Sheets\C107 Schedule of Structures.dwg



Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E



Know what's below.
Call before you dig.

DATE:	ISSUE:
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

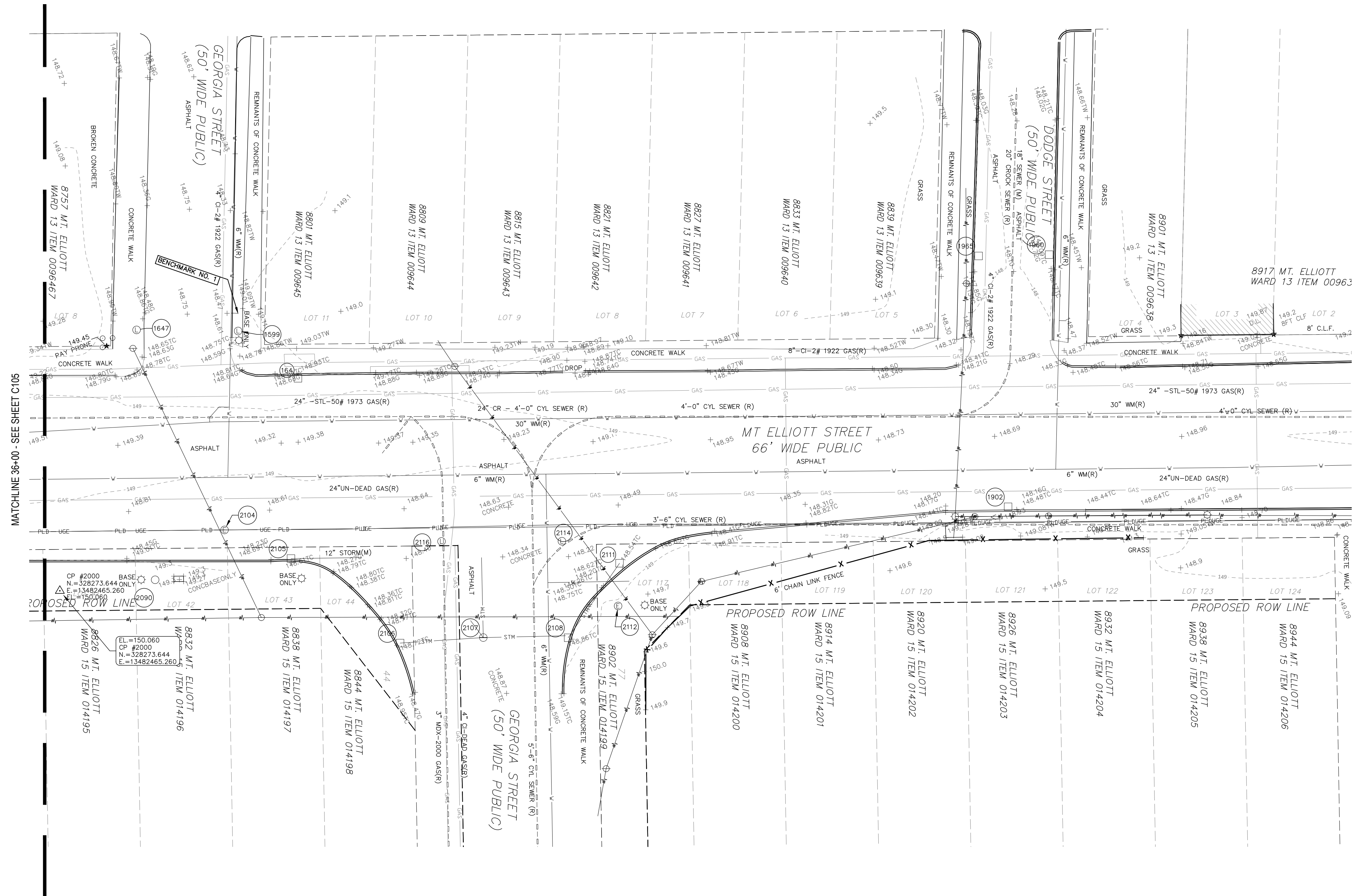
Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

EXISTING CONDITIONS
STA 36+00 TO 39+50

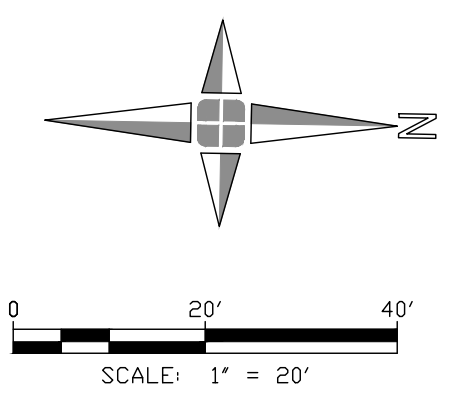
Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C106
Project:	19483.00D



MATCHLINE 36+00 - SEE SHEET C105



SCHEDULE OF STRUCTURES

STRUCTURE	TYPE	SIZE OF PIPE	RIM	DROP	INVERT	DIRECTION	COMMENTS
32	CATCHBASIN		148.60				FULL OF DEBRIS
33	CATCHBASIN		148.73				FULL OF DEBRIS
34	PUBLIC LIGHTING MANHOLE	BOTTOM	150.59	-3.30	147.29	CABLES NORTHWEST	
40	GATE VALVE		148.80	-3.35	145.45		NO PIPE VISIBLE, TOP OF WATER
164	CATCHBASIN		148.80	-5.05	143.75		TOP OF DEBRIS
148.73			148.80	-1.00	147.80		TOP OF WATER
221	COMBINED MANHOLE	12" BULKHEAD	148.73	-3.60	145.13		FULL OF DEBRIS
		12"	149.26	-5.85	143.41	SOUTHWEST	
			149.26	-22.78	126.48	BOTTOM OF CHANNEL NORTH-SOUTH-EAST	FLOWS SOUTH
1588	GATE VALVE		148.45	-2.78	145.67		MEASURED TO TOP OF VALVE, NO PIPE VISIBLE
1589	PUBLIC LIGHTING MANHOLE		148.97	-3.60	145.37		NO CABLES VISIBLE, MEASURED TO TOP OF DEBRIS
1647	PUBLIC LIGHTING MANHOLE		148.83	-3.70	145.13		NO CABLES VISIBLE, MEASURED TO TOP OF DEBRIS
1728	GATE VALVE		149.29	-3.85	145.44		MEASURE TO TOP OF VALVE, NO PIPE VISIBLE
1729	COMBINED MANHOLE	6"	149.24	-10.00	139.24	WEST	
		12"	149.24	-10.75	138.49	SOUTH	
		18"	149.24	-12.10	137.14	EAST	
		BOTTOM	149.24	-23.95	125.29	NO PIPE VISIBLE	MEASURE TO PLUS OR MINUS BOTTOM
1742	GATE VALVE		149.77	-4.30	145.47	NORTH & SOUTH	MEASURED TO TOP OF PIPE
1817	GATE VALVE		148.54	-4.70	143.84	EAST & WEST	MEASURED TO TOP OF PIPE
1834	GATE VALVE		148.97	-4.82	144.15		MEASURED TO TOP OF VALVE, NO PIPE VISIBLE
1877	ELECTRIC MANHOLE		148.64	-9.80	138.84	CABLES NORTH & SOUTH	MEASURED TO BOTTOM OF STRUCTURE
1878	GATE VALVE		148.66	-2.70	145.96		MEASURED TO TOP OF VALVE, NO PIPE VISIBLE
		12"	148.46	-10.70	137.76	NORTHWEST	
		12"	148.46	-10.05	138.41	SOUTH	
		18"	148.46	-13.50	134.96	EAST	
		12"	148.46	-9.95	138.51	NORTH-NORTHEAST	
		BOTTOM	148.46	-23.65	124.81	NO OTHER PIPES VISIBLE	MEASURED TO PLUS OR MINUS BOTTOM
1952	CATCHBASIN		148.09	-3.00	145.09		12" CLAY WELL
1960	CATCHBASIN		147.58	-5.25	142.33		18" DIAMETER WELL
1965	CATCHBASIN		147.66	-5.80	141.86		NO PIPES VISIBLE
1969	GATE VALVE		149.15	-5.00	144.15		NO PIPES VISIBLE
2090	DPW TRAFFIC		149.07	-2.70	146.37		FULL OF WATER, MEASURED TO TOP OF VALVE
2104	ELECTRIC MANHOLE		148.54	-6.30	139.24		NO CABLES VISIBLE
2105	CATCHBASIN	12"	148.05	-9.00	139.05	CABLES NORTH & SOUTH	MEASURED TO BOTTOM OF STRUCTURE
2106	CATCHBASIN	12"	148.19	-8.45	139.74	NORTH	
		12"	148.57	-8.70	139.87	SOUTH	
2107	STORM MANHOLE	12"	148.57	-10.35	138.22	NORTH	
		12"	148.57	-10.50	138.07	WEST	
		12"	148.57	-10.20	138.37	SOUTHWEST	
		12"	148.32	-10.15	138.17	SOUTH	
2108	CATCHBASIN	12"	148.32	-9.70	138.62	NORTHWEST	
2111	CATCHBASIN	12"	148.03	-6.55	138.48	SOUTHEAST	
2112	ELECTRIC MANHOLE		147.73	-3.65	144.08		NO CABLES VISIBLE
2114	PUBLIC LIGHTING MANHOLE		148.32	-2.20	146.12		DPW TRAFFIC, FULL OF WATER, MEASURED TO BOTTOM OF STRUCTURE
2115	GATE VALVE		148.27	-4.00	144.27		FULL OF WATER, FULL OF DEBRIS, MEASURED TO TOP OF DEBRIS
2116	PUBLIC LIGHTING MANHOLE		148.50	-2.70	145.80		FULL OF WATER, FULL OF DEBRIS, MEASURED TO TOP OF DEBRIS
2300	CATCHBASIN	12"	149.28	-7.45	141.83		FULL OF WATER
2301	PUBLIC LIGHTING MANHOLE		150.17	-10.20	139.97		NO CABLES VISIBLE
2302	ELECTRIC MANHOLE		150.83	-7.50	143.33	CABLES NORTHWEST, SOUTHWEST & EAST	MEASURED TO BOTTOM OF STRUCTURE, FULL OF WATER
2303	GATE VALVE		151.05	-5.95	145.10		MEASURED TO TOP OF PIPE
2304	PUBLIC LIGHTING MANHOLE		151.16	-5.90	145.26	CABLES NORTHWEST, SOUTHWEST & NORTHWEST	
2305	COMBINED MANHOLE	12"	151.32	-7.95	143.37	EAST	
		12"	151.32	-14.63	136.69	NORTHEAST	
			151.32	-18.38	132.94	NORTH & SOUTH	FLOWS SOUTH MEASURED TO CENTER OF CHANNEL
2306	GATE VALVE		150.87	-3.75	147.12		MEASURED TO TOP OF VALVE, FULL OF DEBRIS
2307	PUBLIC LIGHTING MANHOLE		150.59	-6.20	144.39	CABLES NORTHWEST & EAST	MEASURED TO BOTTOM OF STRUCTURE
2308	PUBLIC LIGHTING MANHOLE		150.71	-8.90	141.81	CABLES NORTHWEST, SOUTHWEST & NORTHEAST	MEASURED TO BOTTOM OF STRUCTURE
2323	COMBINED MANHOLE	12"	150.59	-10.15	140.44	NORTHWEST	
		10"	150.59	-8.75	140.84	EAST	
		10"	150.57	-10.85	139.72		TO MH 2323
2324	COMBINED MANHOLE		150.57	-21.15	129.42		MEASURED TO TOP OF WATER
			150.57	-24.69	125.88		MEASURED TO BOTTOM OF STRUCTURE
2329	PUBLIC LIGHTING MANHOLE		151.11	-4.30	146.81	CABLES SOUTH, CUT CABLES WEST	MEASURED TO TOP OF DEBRIS
2329	COMBINED MANHOLE		149.83	-3.70	146.13		MEASURED TO TOP OF DEBRIS
		12"	149.91	-5.55	144.36	SOUTHEAST	
2360	COMBINED MANHOLE	12"	149.91	-5.10	144.81	NORTHWEST	
2361	COMBINED MANHOLE		149.91	-6.85	143.06		MEASURED TO TOP OF DEBRIS
2362	GATE VALVE		148.81	-1.55	148.26		NO PIPES VISIBLE
2363	GATE VALVE		149.75	-6.80	142.95		MEASURED TO TOP OF PIPE
2367	GATE VALVE		149.84	-8.35	141.49		NO PIPE VISIBLE
2368	GATE VALVE		149.75	-7.55	142.20		UNABLE TO OPEN LID
2397	COMBINED MANHOLE	6"	150.15	-7.55	142.60	WEST	
			150.15	-11.45	138.70	NORTHEAST & SOUTHEAST	FLOWS SOUTHWEST, MEASURED TO CENTER OF CHANNEL
		48"	150.23	-24.30	125.93	SOUTHWEST	
		24"	150.23	-17.35	132.88	EAST	
2398	COMBINED MANHOLE	48"	150.23	-23.50	128.73	NORTHEAST	
			150.23	-24.90	125.33	NORTHWEST	
			150.23	-31.20	119.03	WEST	
			149.82	-4.65	145.17	NO PIPES VISIBLE	MEASURED TO TOP OF VALVE
2400	PUBLIC LIGHTING MANHOLE		149.76	-8.00	141.76	CABLES NORTHEAST & SOUTHWEST	MEASURED TO TOP OF DEBRIS
2404	GATE VALVE		149.94	-4.00	145.94		MEASURED TO TOP OF VALVE
2405	CATCHBASIN		148.77	-1.00	148.77		NO PIPES VISIBLE
2407	GATE VALVE		150.26	-2.70	147.56		MEASURED TO TOP OF VALVE
2408	ELECTRIC MANHOLE		150.45	-9.10	141.35	CABLES NORTHEAST & SOUTHWEST	MEASURED TO TOP OF DEBRIS
2409	ELECTRIC MANHOLE		150.60	-6.65	143.95	CABLES NORTHWEST & SOUTHWEST	MEASURED TO TOP OF DEBRIS
2410	ELECTRIC MANHOLE		150.40	-8.95	141.45	CABLES EAST & WEST	MEASURED TO TOP OF DEBRIS
2415	PUBLIC LIGHTING MANHOLE		150.57	-10.55	140.02		NO CABLES VISIBLE
2429	PUBLIC LIGHTING MANHOLE		150.31	-6.75	143.56	CABLES NORTHWEST & SOUTHWEST	MEASURED TO BOTTOM OF STRUCTURE, FULL OFF WATER
2463	PUBLIC LIGHTING MANHOLE		149.46	-6.80	142.66		FULL OF WATER
2465	COMBINED MANHOLE		150.11				MEASURED TO TOP OF PIPE
2466	COMBINED MANHOLE		150.48	-17.50	132.98	SOUTHWEST & NORTHWEST	STRUCTURE IS OVER 25' DEEP, UNABLE TO MEASURE BOTTOM, FLOWS TO SOUTHWEST
2530	GATE VALVE		149.54	-5.55	143.99	FLOW'S SOUTHWEST, MEASURED TO CENTER OF CHANNEL	
2552	CATCHBASIN		148.29	-4.70	143.59	PIPE NORTHWEST & SOUTHWEST	MEASURED TO TOP OF PIPE
							10" DIAMETER STRUCTURE, MEASURED TO BOTTOM OF STRUCTURE

2553	COMBINED MANHOLE	8"	149.19	-2.90	146.29	SOUTHWEST	
		8"	149.19	-3.15	146.04	SOUTHWEST	
		8"	149.19	-3.30	145.89	WEST	
		6"	149.19	-3.15	146.04	NORTHEAST	
			149.19	-3.85	145.34		MEASURED TO TOP OF DEBRIS
2554	CATCHBASIN		148.37	-4.82	143.55		10" DIAMETER STRUCTURE, MEASURED TO BOTTOM OF STRUCTURE
4034	ELECTRIC MANHOLE		149.71	-7.40	142.31	CABLES NORTH & SOUTH	MEASURED TO TOP OF DEBRIS
			149.55	-7.30	142.25	SOUTHWEST	
			149.55	-5.45	144.10	SOUTH	
4035	COMBINED MANHOLE		149.55	-7.29	142.26	NORTHWEST	
			149.55	-25.70	123.85		MEASURED TO BOTTOM OF STRUCTURE, FULL OF WATER
4037	CATCHBASIN	12"	148.91	-3.75	145.16		12" DIAMETER STRUCTURE, FULL OF DEBRIS, NO PIPES VISIBLE, MEASURED TO TOP OF DEBRIS
4052	GAS MANHOLE		149.60	-6.20	143.40	NORTH & SOUTH	MEASURED TO TOP OF PIPE
			149.60	-8.15	141.45	NORTH & SOUTH	MEASURED TO BOTTOM OF STRUCTURE
4053	GAS MANHOLE		149.57				UNABLE TO OPEN LID
4054	GAS MANHOLE		148.58				UNABLE TO OPEN LID
4055	GAS MANHOLE		149.58				UNABLE TO OPEN LID
			149.57	-6.20	143.37	NORTH & SOUTH	MEASURED TO TOP OF PIPE
4056	GAS MANHOLE		148.57	-8.15	141.42	NORTH & SOUTH	MEASURED TO TOP OF PIPE
4062	CATCHBASIN		148.84	-3.30	144.54		MEASURED TO BOTTOM OF STRUCTURE
4066	CATCHBASIN	12"	148.94	-3.18	145.76	NORTH	10" METAL STRUCTURE, MEASURED TO TOP OF DEBRIS
4067	GATE VALVE		149.25	-2.80	146.45		PIPE APPEARS TO BE TRAPPED
4068	CATCHBASIN		149.00	-3.95	145.05		MEASURED TO TOP OF PIPE, FULL OF DEBRIS
4175	CATCHBASIN	8"	149.33	-3.10	146.23	SOUTHWEST	MEASURED TO TOP OF DEBRIS, NO PIPES VISIBLE
4192	GATE VALVE	6"	149.53	-3.70	145.83	EAST & WEST	18" DIA STRUCTURE, FULL OF DEBRIS, NO PIPES VISIBLE, MEASURED TO TOP OF DEBRIS
		15"	149.71	-10.90	138.81	WEST	MEASURED TO TOP OF PIPE
		30"	149.71	-24.35	125.36	EAST	
4232	ELECTRIC MANHOLE		149.90	-8.88	140.92	CABLES NORTH, SOUTH & EAST	MEASURED TO TOP OF WATER
4242	GATE VALVE		149.57	-2.32	147.25		MEASURED TO BOTTOM OF STRUCTURE
4250	ELECTRIC MANHOLE		149.57	-1.60	147.97		FULL OF DEBRIS, MEASURED TO TOP OF DEBRIS, NO PIPES VISIBLE
4276	GATE VALVE		149.19	-9.30	139.89	CABLES NORTH & SOUTH	MEASURED TO BOTTOM OF STRUCTURE
4278	CATCHBASIN		148.70	-3.70	145.00		NO PIPE VISIBLE, FULL OF WATER
4354	CATCHBASIN		149.00	-4.20	144.80	SOUTH	10" METAL STRUCTURE, MEASURED TO TOP OF ELBOW
4355	GATE VALVE		148.69	-1.35	147.34		FULL OF DEBRIS, MEASURED TO TOP OF DEBRIS, NO PIPES VISIBLE
4378	TELEPHONE MANHOLE		149.51	-7.45	142.06	CABLES NORTH & SOUTH	MEASURED TO TOP OF DEBRIS, FULL OF DEBRIS
4379	GATE VALVE		149.55	-2.78	146.77		MEASURED TO TOP OF VALVE, NO PIPES VISIBLE
4426	ELECTRIC MANHOLE		148.94	-8.80	140.14	CABLES NORTH & SOUTHWEST	MEASURED TO BOTTOM OF STRUCTURE
4427	GATE VALVE		148.01	-4.60	143.41		MEASURED TO TOP OF PIPE
4429	ELECTRIC MANHOLE		149.12	-9.70	139.42	CABLES NORTH, SOUTH & WEST	MEASURED TO TOP OF DEBRIS
4430	TELEPHONE MANHOLE		149.28	-9.35	139.93	CABLES NORTH & SOUTH	MEASURED TO BOTTOM OF STRUCTURE
4434	CATCHBASIN		148.74	-3.22	145.52		MEASURED TO BOTTOM OF STRUCTURE
4489	GATE VALVE		149.30	-2.80	146.50		12" DIAMETER STRUCTURE, FULL OF DEBRIS, MEASURED TO TOP OF DEBRIS
4500	ELECTRIC MANHOLE		148.95	-13.35	135.60		NO CABLES VISIBLE, FULL OF WATER, MEASURED TO BOTTOM OF STRUCTURE
4501	STORM MANHOLE		149.17	-3.30	145.87		FULL OF DEBRIS, NO PIPES VISIBLE, MEASURED TO TOP OF DEBRIS
4502	GATE VALVE		149.37	-3.10	146.27		FULL OF DEBRIS, MEASURED TO TOP OF DEBRIS
4503	GATE VALVE		149.36	-5.00	144.36		FULL OF DEBRIS, MEASURED TO TOP OF DEBRIS
4542	CATCHBASIN		148.16	-3.75	144.41		18" DIA STRUCTURE, FULL OF DEBRIS, NO PIPES VISIBLE, MEASURED TO TOP OF DEBRIS
4621	CATCHBASIN		148.81	-4.30	144.51		12" DIAMETER STRUCTURE, FULL OF DEBRIS, MEASURED TO TOP OF DEBRIS
4631	CATCHBASIN		148.44	-3.60			

CONSTRUCTION QUANTITIES THIS SHEET

0	EA	EROSION CONTROL, GRAVEL ACCESS APPROACH
7	EA	EROSION CONTROL, INLET PROTECTION, FABRIC DROP
1094	FT	EROSION CONTROL, SILT FENCE

SESC LEGEND AND QUANTITIES		
DESCRIPTION	LEGEND	QUANTITY
SEDIMENT CONTROL FENCE		6400 FEET
SEDIMENT INLET FILTER		30 EACH
GRAVEL ACCESS APPROACH / MAINTENANCE GRAVEL		0 EACH
LIMITS OF DISTURBANCE		4.76 AC (TOTAL ALL SHEETS)

SOIL EROSION CONTROL PLAN KEY NOTES

- 1 PROVIDE, INSTALL, AND MAINTAIN TEMPORARY SEDIMENT INLET FILTER. SEE DETAIL ON SHEET C500.
- 2 PROVIDE, INSTALL, AND MAINTAIN SEDIMENT CONTROL FENCE. SEE DETAIL ON SHEET C500.
- 3 PROPOSED LIMITS OF DISTURBANCE

Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

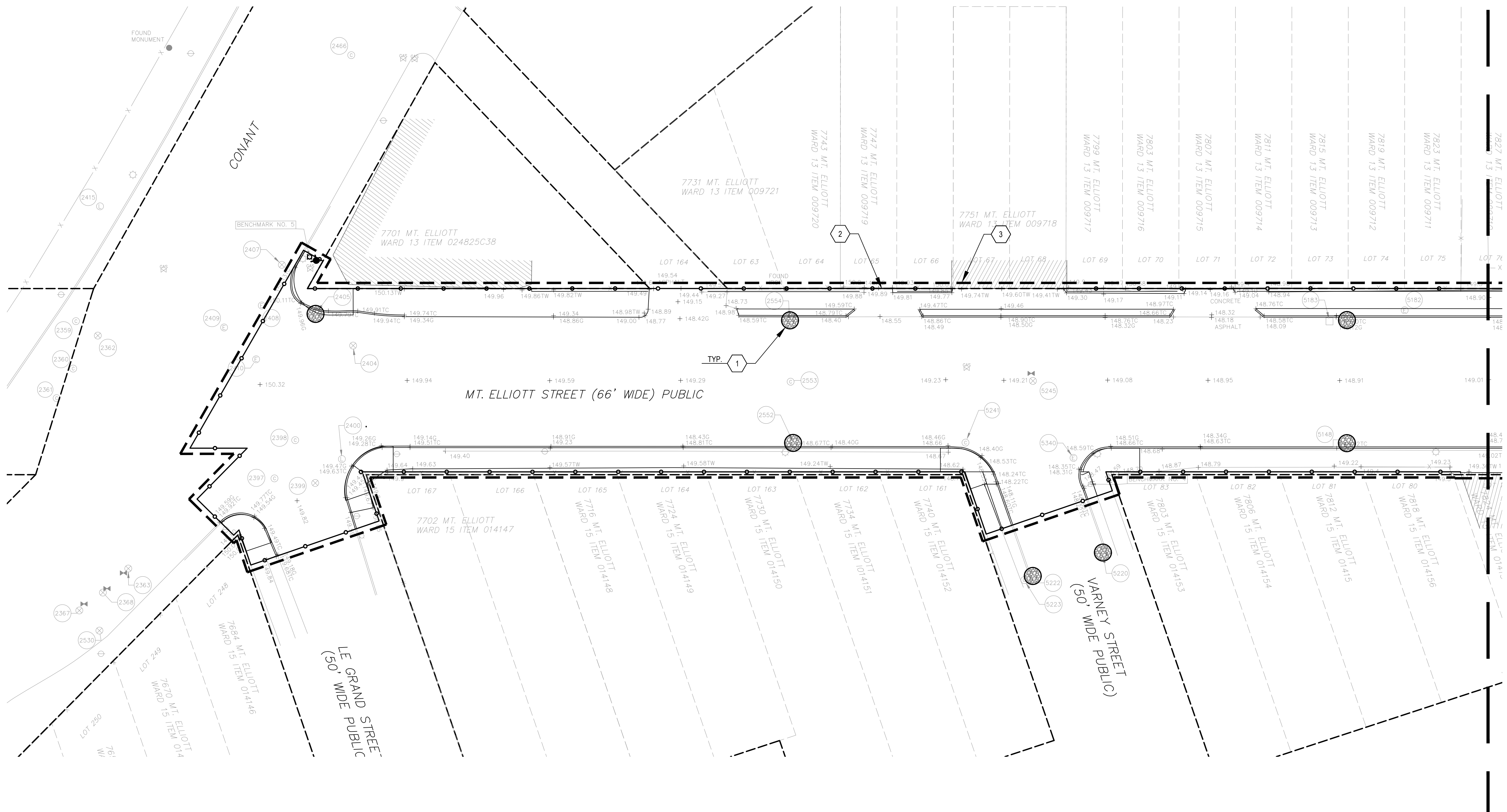
Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

SESC PLAN
STA 10+00 TO 14+75

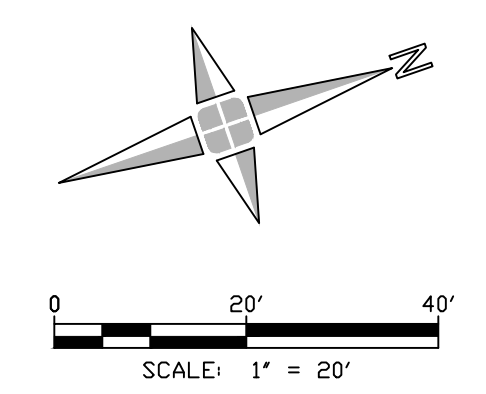
Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C150
Project:	19483.00D



MATCHLINE 14+75 - SEE SHEET C151



CONSTRUCTION QUANTITIES THIS SHEET

- 0 EA EROSION CONTROL, GRAVEL ACCESS APPROACH
- 6 EA EROSION CONTROL, INLET PROTECTION, FABRIC DROP
- 1104 FT EROSION CONTROL, SILT FENCE

SESC LEGEND AND QUANTITIES		
DESCRIPTION	LEGEND	QUANTITY
SEDIMENT CONTROL FENCE		6400 FEET
SEDIMENT INLET FILTER		30 EACH
GRAVEL ACCESS APPROACH / MAINTENANCE GRAVEL		0 EACH
LIMITS OF DISTURBANCE		4.76 AC (TOTAL ALL SHEETS)

SOIL EROSION CONTROL PLAN KEY NOTES

- 1 PROVIDE, INSTALL, AND MAINTAIN TEMPORARY SEDIMENT INLET FILTER. SEE DETAIL ON SHEET C500.
- 2 PROVIDE, INSTALL, AND MAINTAIN SEDIMENT CONTROL FENCE. SEE DETAIL ON SHEET C500.
- 3 PROPOSED LIMITS OF DISTURBANCE

Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

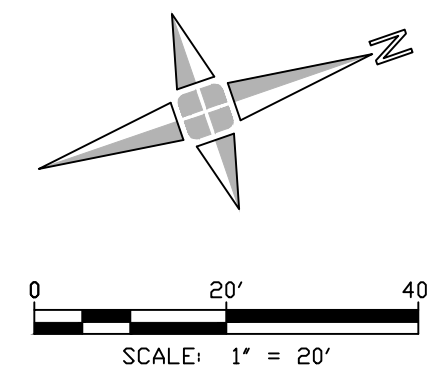
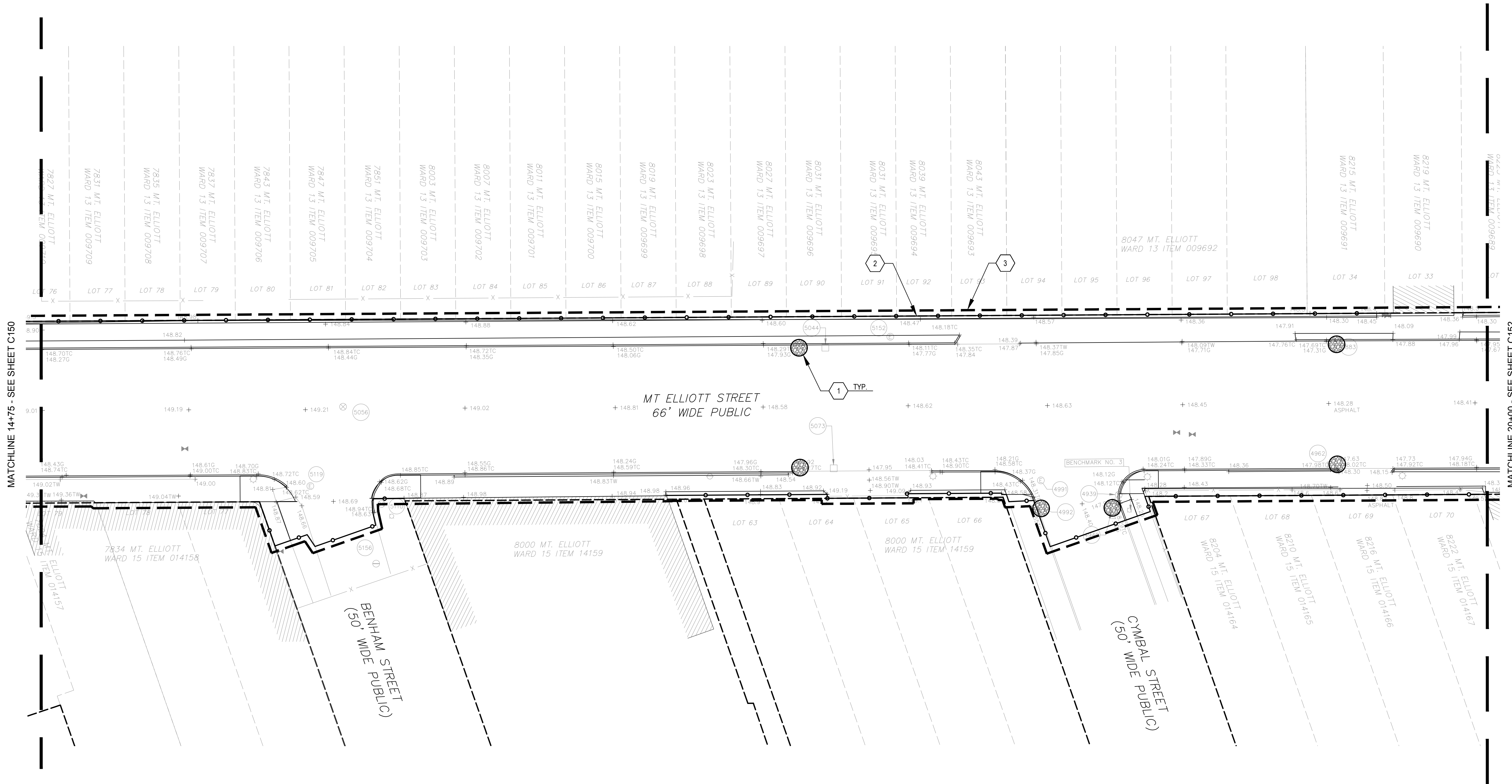
SESC PLAN
STA 14+75 TO 20+00

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C151
Project:	19483.00D

Copyright © 2021 Giffels Webster.
No reproduction shall be made without the
prior written consent of Giffels Webster.



CONSTRUCTION QUANTITIES THIS SHEET

- 0 EA EROSION CONTROL, GRAVEL ACCESS APPROACH
- 4 EA EROSION CONTROL, INLET PROTECTION, FABRIC DROP
- 1130 FT EROSION CONTROL, SILT FENCE

SESC LEGEND AND QUANTITIES		
DESCRIPTION	LEGEND	QUANTITY
SEDIMENT CONTROL FENCE		6400 FEET
SEDIMENT INLET FILTER		30 EACH
GRAVEL ACCESS APPROACH / MAINTENANCE GRAVEL		0 EACH
LIMITS OF DISTURBANCE		4.76 AC (TOTAL ALL SHEETS)

SOIL EROSION CONTROL PLAN KEY NOTES

- 1 PROVIDE, INSTALL, AND MAINTAIN TEMPORARY SEDIMENT INLET FILTER. SEE DETAIL ON SHEET C500.
- 2 PROVIDE, INSTALL, AND MAINTAIN SEDIMENT CONTROL FENCE. SEE DETAIL ON SHEET C500.
- 3 PROPOSED LIMITS OF DISTURBANCE

Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

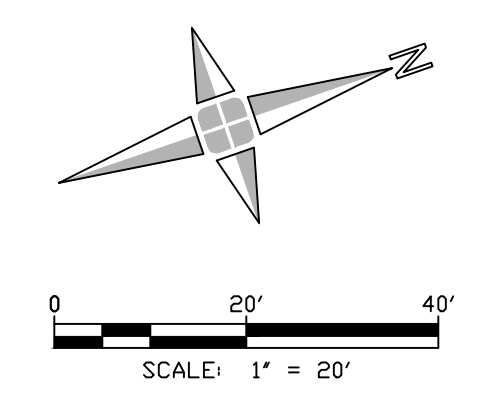
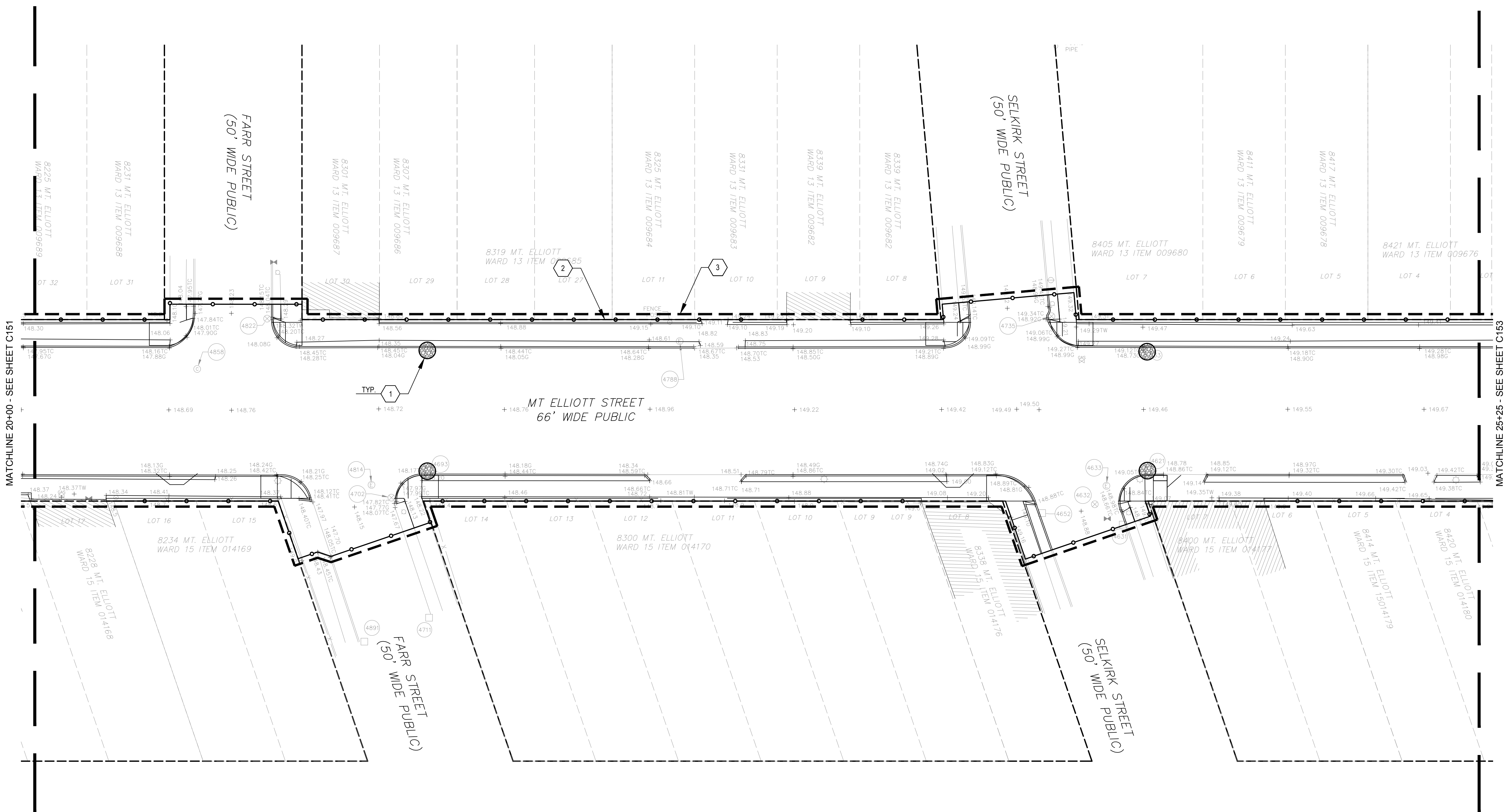
SESC PLAN
STA 20+00 TO 25+25

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C152
Project:	19483.00D

Copyright © 2021 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.



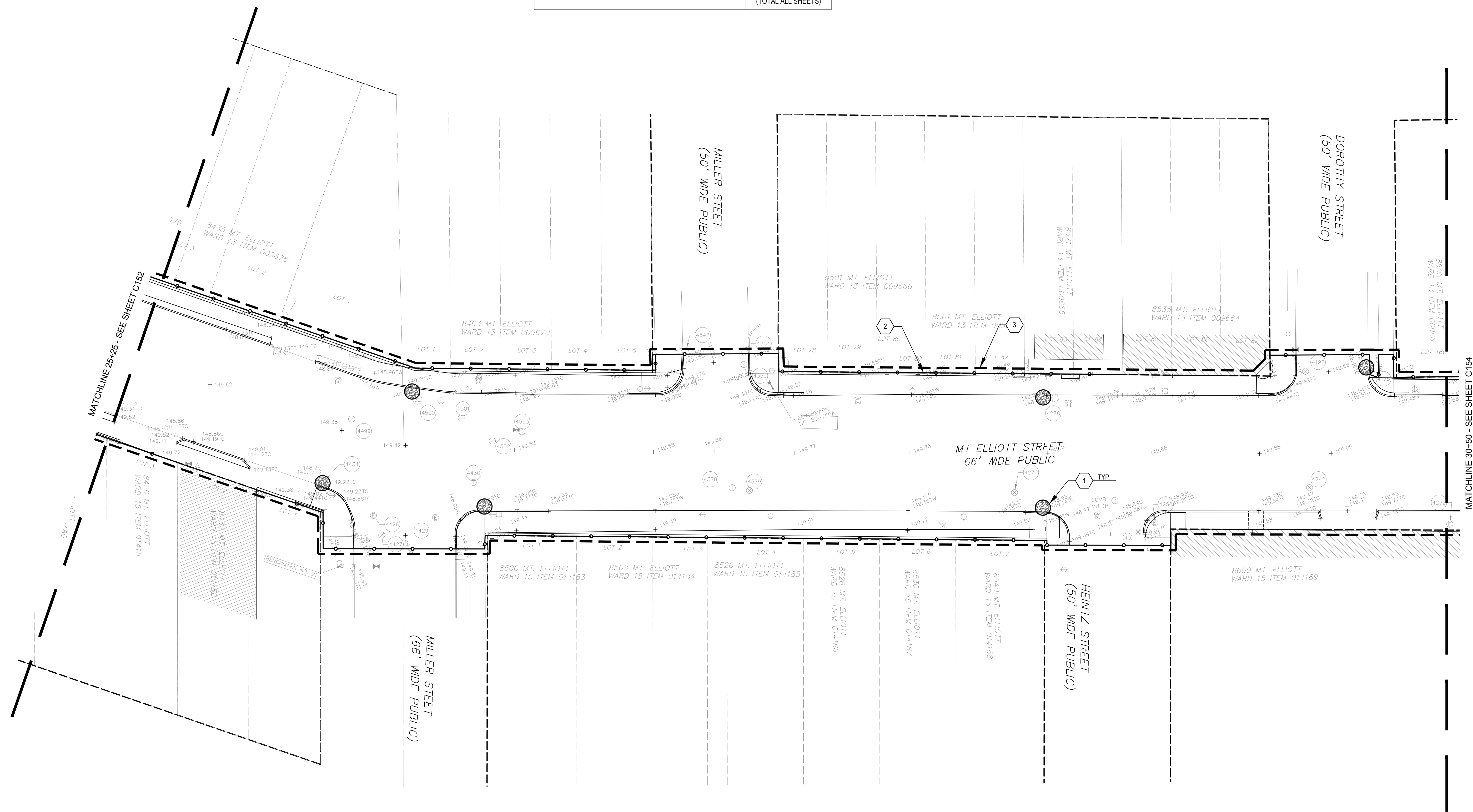
CONSTRUCTION QUANTITIES THIS SHEET

0	EA	EROSION CONTROL, GRAVEL ACCESS APPROACH
6	EA	EROSION CONTROL, INLET PROTECTION, FABRIC DROP
1121	FT	EROSION CONTROL, SILT FENCE

SESC LEGEND AND QUANTITIES		
DESCRIPTION	LEGEND	QUANTITY
SEDIMENT CONTROL FENCE		6400 FEET
SEDIMENT INLET FILTER		30 EACH
GRAVEL ACCESS APPROACH / MAINTENANCE GRAVEL		0 EACH
LIMITS OF DISTURBANCE		4.76 AC (TOTAL ALL SHEETS)

SOIL EROSION CONTROL PLAN KEY NOTES

- 1 PROVIDE, INSTALL, AND MAINTAIN TEMPORARY SEDIMENT INLET FILTER. SEE DETAIL ON SHEET C500.
- 2 PROVIDE, INSTALL, AND MAINTAIN SEDIMENT CONTROL FENCE. SEE DETAIL ON SHEET C500.
- 3 PROPOSED LIMITS OF DISTURBANCE



Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	



DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
6.11.2021	PERMIT RESUBMISSION

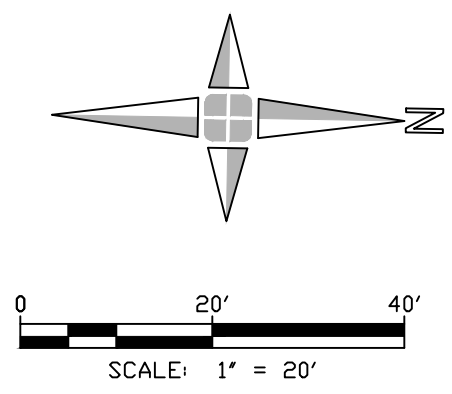
Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

SESC PLAN
STA 25+25 TO 30+50

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C153
Project:	19483.00D



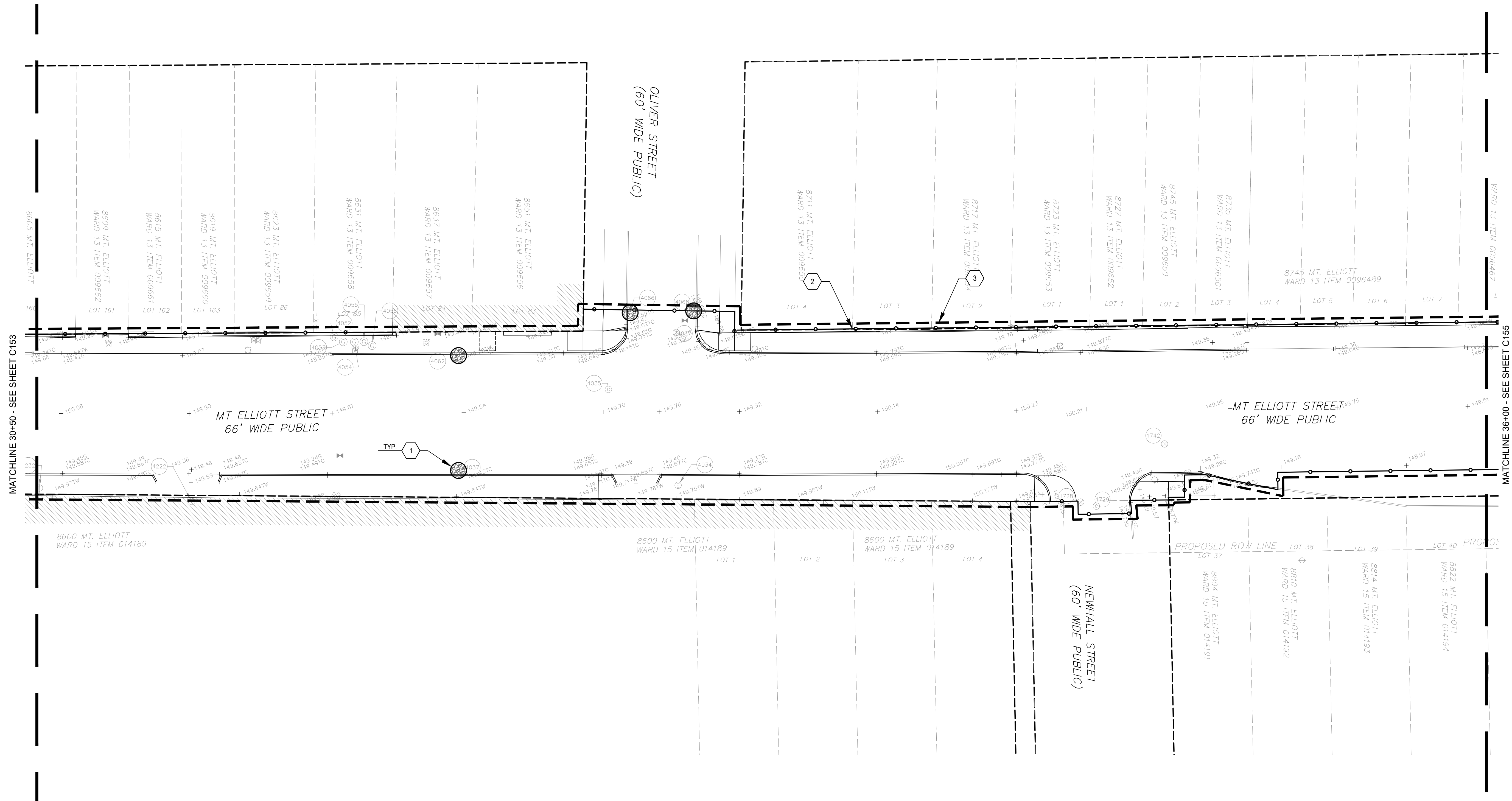
CONSTRUCTION QUANTITIES THIS SHEET

0	EA	EROSION CONTROL, GRAVEL ACCESS APPROACH
4	EA	EROSION CONTROL, INLET PROTECTION, FABRIC DROP
1142	FT	EROSION CONTROL, SILT FENCE

SESC LEGEND AND QUANTITIES		
DESCRIPTION	LEGEND	QUANTITY
SEDIMENT CONTROL FENCE		6400 FEET
SEDIMENT INLET FILTER		30 EACH
GRAVEL ACCESS APPROACH / MAINTENANCE GRAVEL		0 EACH
LIMITS OF DISTURBANCE		4.76 AC (TOTAL ALL SHEETS)

SOIL EROSION CONTROL PLAN KEY NOTES

- 1 PROVIDE, INSTALL, AND MAINTAIN TEMPORARY SEDIMENT INLET FILTER. SEE DETAIL ON SHEET C500.
- 2 PROVIDE, INSTALL, AND MAINTAIN SEDIMENT CONTROL FENCE. SEE DETAIL ON SHEET C500.
- 3 PROPOSED LIMITS OF DISTURBANCE



Engineers
Surveyors
Planners
Landscape Architects

28 West Adams Road
Suite 1200
Detroit, MI 48226
p (313) 962-4442
f (313) 962-5068
www.giffelswebster.com

Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

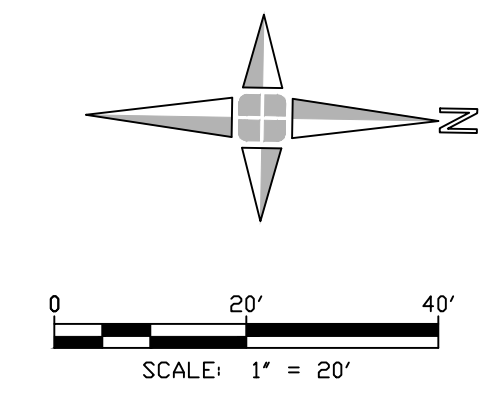
Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

SESC PLAN
STA 30+50 TO 36+00

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C154
Project:	19483.00D



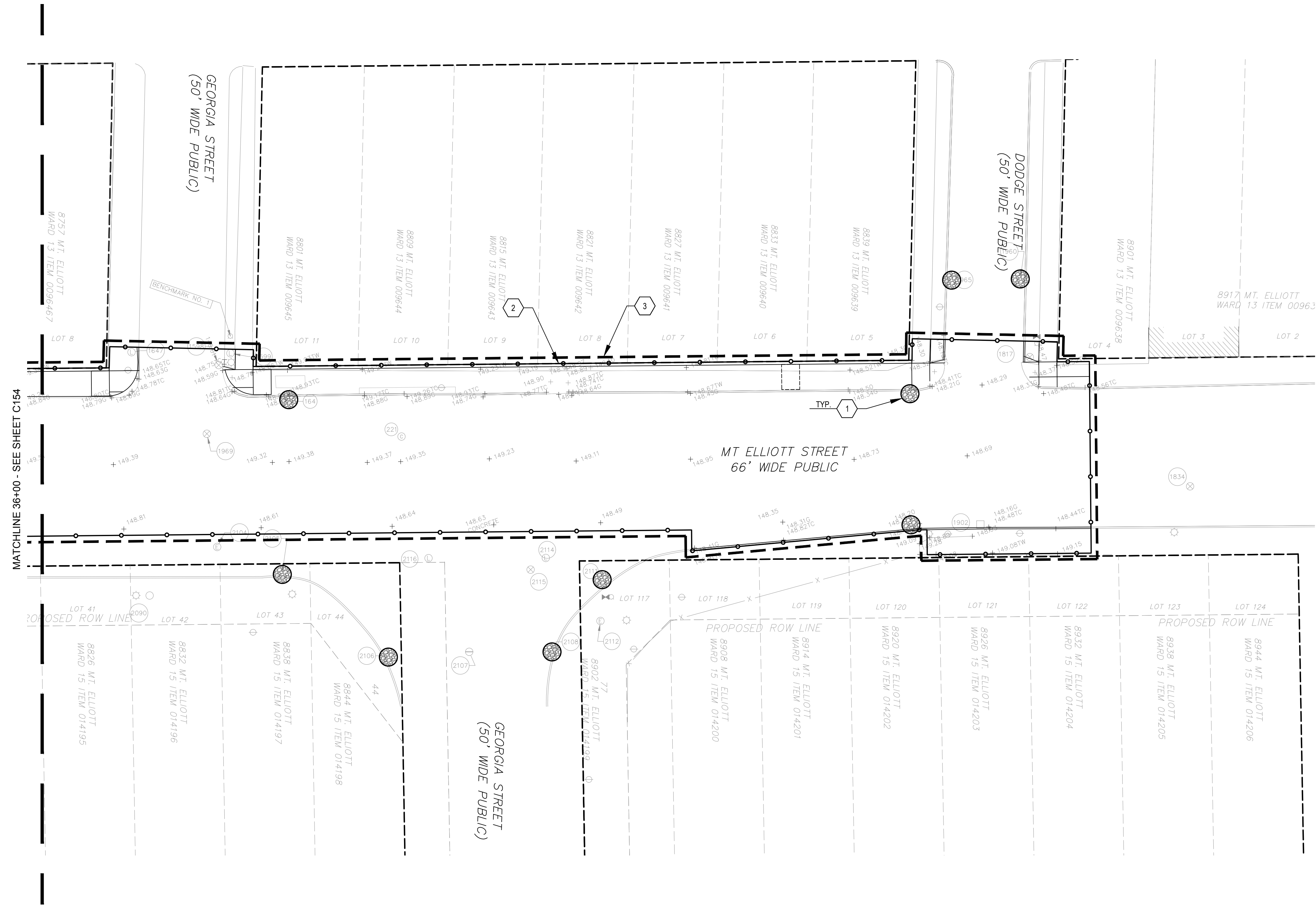
CONSTRUCTION QUANTITIES THIS SHEET

0	EA	EROSION CONTROL, GRAVEL ACCESS APPROACH
9	EA	EROSION CONTROL, INLET PROTECTION, FABRIC DROP
806	FT	EROSION CONTROL, SILT FENCE

SESC LEGEND AND QUANTITIES		
DESCRIPTION	LEGEND	QUANTITY
SEDIMENT CONTROL FENCE		6400 FEET
SEDIMENT INLET FILTER		30 EACH
GRAVEL ACCESS APPROACH / MAINTENANCE GRAVEL		0 EACH
LIMITS OF DISTURBANCE		4.76 AC (TOTAL ALL SHEETS)

SOIL EROSION CONTROL PLAN KEY NOTES

- 1 PROVIDE, INSTALL, AND MAINTAIN TEMPORARY SEDIMENT INLET FILTER. SEE DETAIL ON SHEET C500.
- 2 PROVIDE, INSTALL, AND MAINTAIN SEDIMENT CONTROL FENCE. SEE DETAIL ON SHEET C500.
- 3 PROPOSED LIMITS OF DISTURBANCE



Engineers
Surveyors
Planners
Landscape Architects

28 West Adams Road
Suite 1200
Detroit, MI 48226
p (313) 962-4442
f (313) 962-5068
www.giffelswebster.com

Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

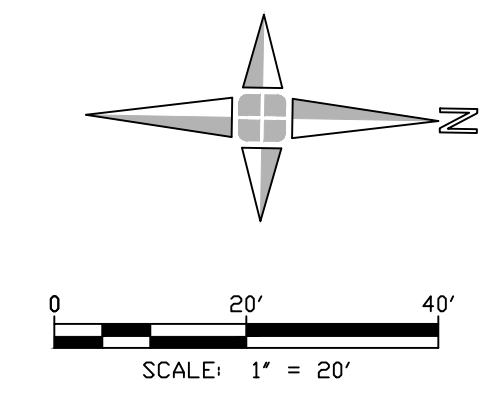
Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

SESC PLAN
STA 36+00 TO 39+50

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	
Scale:	1"=20'
Sheet:	C155
Project:	19483.00D



DEMOLITION QUANTITIES THIS SHEET

629	SYD	SIDEWALK, REM
1673	SYD	PAVT, REM
2542	SYD	HMA SURFACE, REM
213	SYD	COLD MILLING HMA SURFACE
5	EA	DR STRUCTURE, REM
950	FT	TRACK, REM

DEMOLITION LEGEND

HMA SURFACE, REM OVER PAVT, REM	
REMOVE FULL DEPTH CONCRETE PAVEMENT/SIDEWALK	
3.5 INCH DEEP, 12 FEET WIDE COLD MILLING	
REMOVE FULL DEPTH CONCRETE PAVEMENT AND BASE	
HMA SURFACE, REM OVER TRACK, REM	

REMOVE OBJECT	
REMOVE UTILITY STRUCTURE	
REMOVE UTILITY	
REMOVE FULL DEPTH CONCRETE CURB	

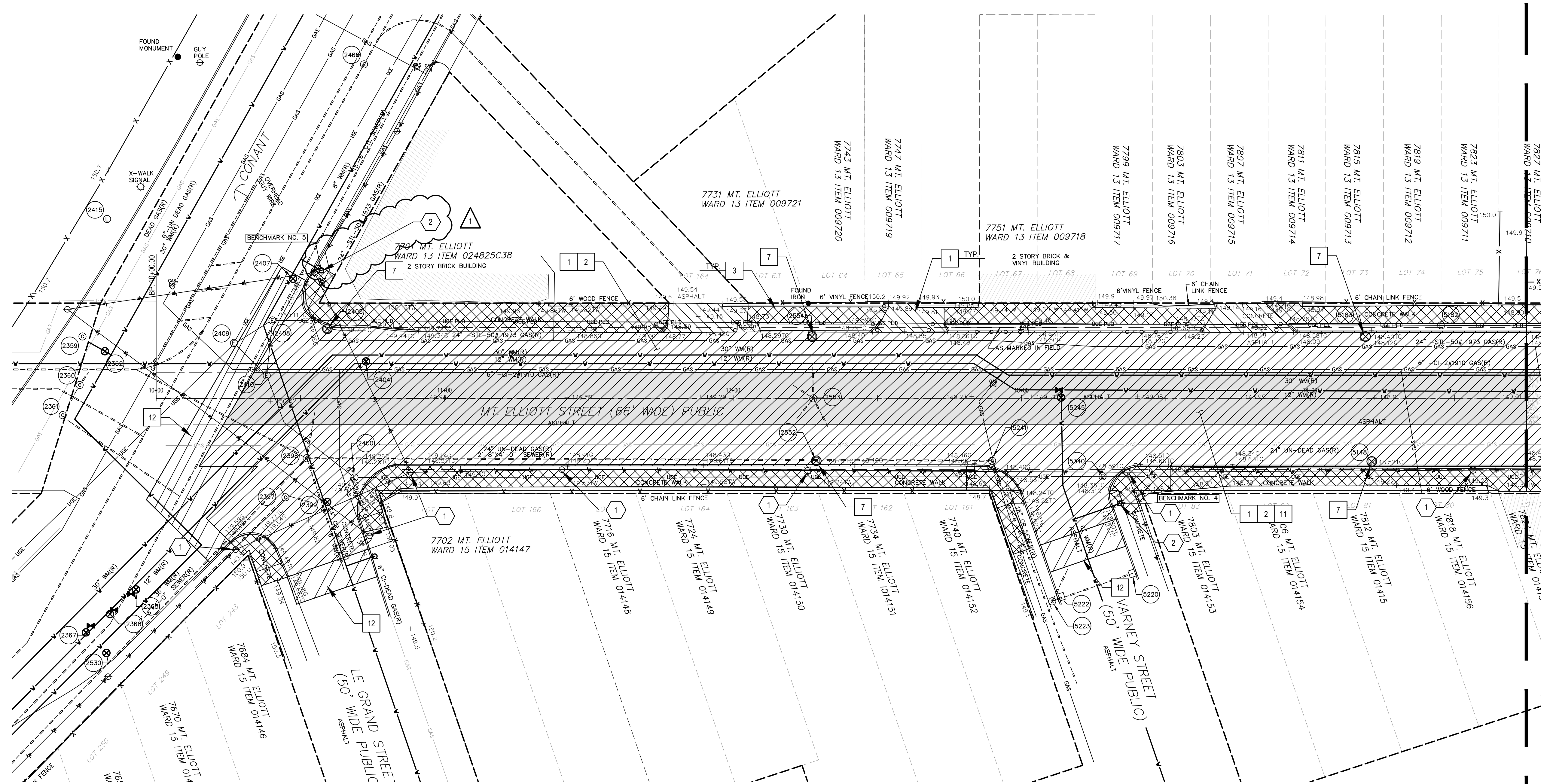
DEMOLITION NOTES

- SAWCUT FULL DEPTH AND REMOVE EXISTING ROADWAY PAVEMENT INCLUDING EXISTING CURB.
- REMOVE EXISTING HMA PAVEMENT ON CONCRETE PAVEMENT.
- SAWCUT FULL DEPTH AND REMOVE EXISTING SIDEWALK 6 INCHES THICK OR LESS.
- REMOVE EXISTING TREE.
- REMOVE MISCELLANEOUS OBJECT. PAID FOR AS STATION GRADING.
- SALVAGE EXISTING FIRE HYDRANT, GATE VALVE, AND GATE BOX. SEE CONSTRUCTION PLANS FOR FINAL LOCATION.
- REMOVE EXISTING CATCH BASIN. EXISTING LEAD WILL BE USED FOR PROPOSED CATCH BASIN TO BE INSTALLED LATER.
- REMOVE EXISTING SIGN AND CORRESPONDING POST OR BAND CONNECTION.
- REMOVE EXISTING POLE, PARTS, AND CONNECTIONS ATTACHED TO UTILITY POLE. REMOVAL OF ANY SIGNS PAID SEPARATELY.
- CAUTION: MULTIPLE GAS MAINS AND POSSIBLE VAULT IN THIS AREA. CONTRACTOR TO FIELD VERIFY LOCATIONS PRIOR TO PAVEMENT REMOVAL AND EXCAVATION
- REMOVE EXISTING RAILWAY TRACKS BENEATH THE EXISTING PAVEMENT INCLUDING RAILS, TIES, ANY CONCRETE ENCASEMENT, AND OTHER RELATED ITEMS. CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF TRACKS.

12 COLD MILL EXISTING HMA PAVEMENT 3.5 INCHES DEEP.

PROTECT-IN-PLACE NOTES

- PROTECT-IN-PLACE EXISTING UTILITY POLE
- PROTECT-IN-PLACE EXISTING HYDRANT



Engineers
Surveyors
Planners
Landscape Architects

28 West Adams Road
Suite 1200
Detroit, MI 48226
p (313) 962-4442
f (313) 962-5068
www.giffelswebster.com

Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E



DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

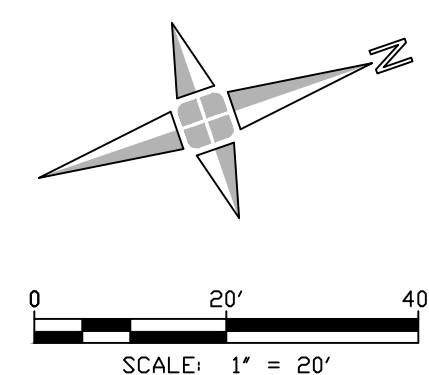
Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

REMOVAL PLAN
STA 10+00 TO 14+75

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C200
Project:	19483.00D



CONSTRUCTION QUANTITIES THIS SHEET

2426	SYD	CONC PAVT WITH INTEGRAL CURB, NONREINF, 10 INCH
69	SYD	DRIVEWAY, NONREINF CONC, 8 INCH
86	FT	DRIVEWAY OPENING, CONC, DET M
5737	SFT	SIDEWALK, CONC, 6 INCH
938	SFT	SIDEWALK RAMP, CONC, 6 INCH
15	TON	HMA, 4E3
20	TON	HMA, 5E3
55	FT	DETECTABLE WARNING SURFACE
69	SYD	AGGREGATE BASE, 8 INCH
2426	SYD	AGGREGATE BASE, 12 INCH
12	CYD	GRANULAR MATERIAL, CL II
5	EA	DR STRUCTURE, 48 INCH DIA
5	EA	DR STRUCTURE COVER, DETROIT CATCH BASIN
4	EA	DR STRUCTURE COVER, DETROIT MANHOLE
9	EA	DR STRUCTURE, ADJ, CASE 1
820	FT	UNDERDRAIN, SUBGRADE, 6 INCH
87	FT	SEWER, CL IV, 12 INCH, TR DET B
40	FT	CURED-IN-PLACE PIPE LINING, 12 INCH

DRIVEWAY SUMMARY THIS SHEET

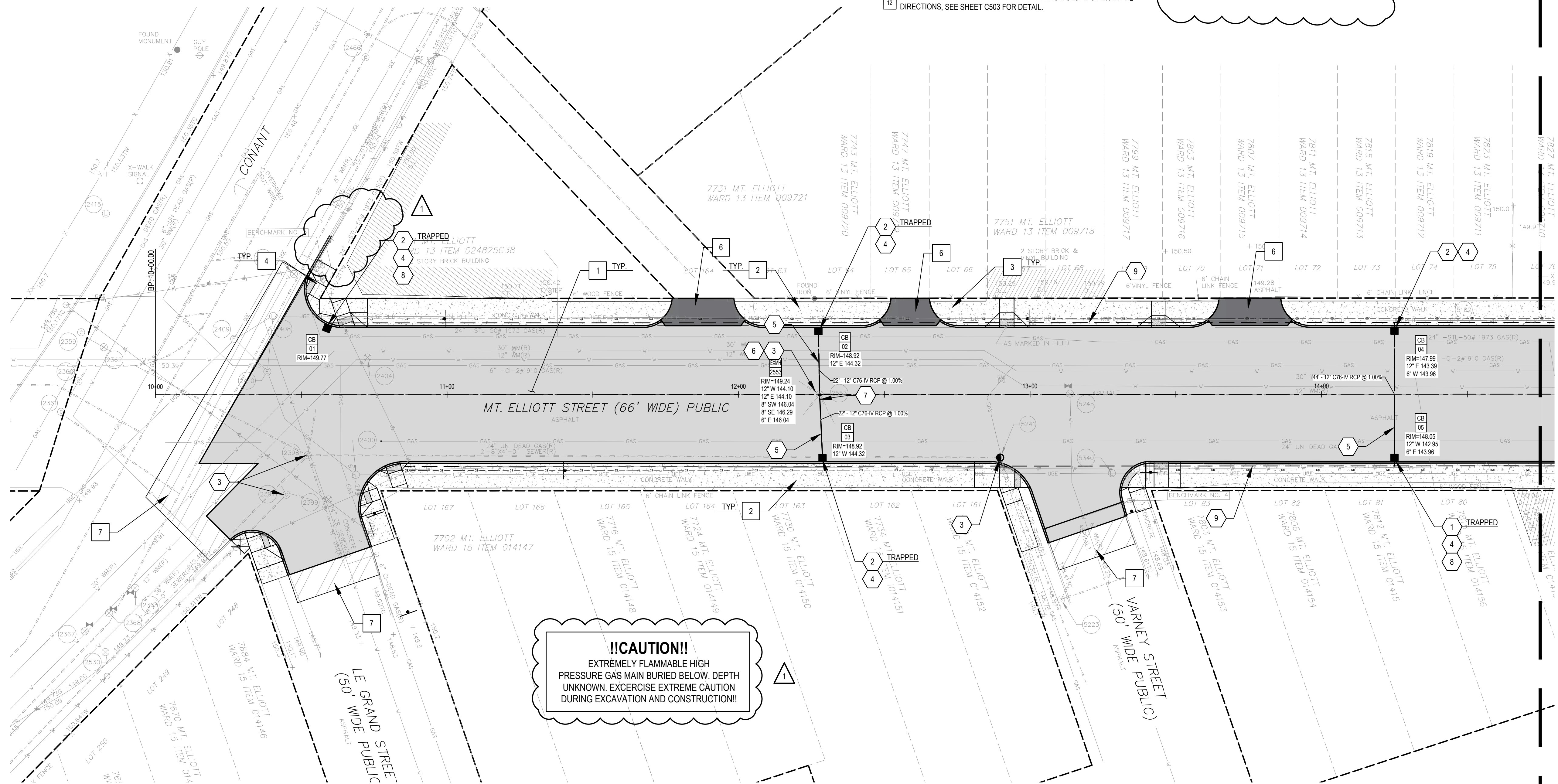
STATION	SIDE	DRIVEWAY OPENING, CONC		DRIVEWAY APPROACHES		
		WIDTH AT BACK/SWK*	*DET M	ENTERING RADIUS	EXITING RADIUS	DRIVEWAY, NONREINF, CONC, 8 INCH
11+88	LFT	21.2	31	10	10	26
12+59	LFT	13.2	23	10	10	18
13+75	LFT	21.2	31	10	10	26

CONSTRUCTION NOTES

- CONCRETE PAVT WITH INTEGRAL CURB, NONREINF, 10 INCH ON 12 INCH AGGREGATE BASE.
- SIDEWALK, CONC, 6 INCH ON 6 INCH GRANULAR CLASS II BASE.
- SIDEWALK, CONC, 8 INCH ON 6 INCH GRANULAR CLASS II BASE.
- SIDEWALK RAMP, CONC, 6 INCH ON 6 INCH GRANULAR CLASS II BASE WITH DETECTABLE WARNING SURFACE PER MDT SPECIAL DETAIL R-28-J AS MODIFIED BY THE CITY OF DETROIT. SEE SHEET C501 FOR GRADING DETAILS.
- DRIVEWAY, NONREINF CONC, 10 INCH ON 12 INCH AGGREGATE BASE. DRIVEWAY OPENING, CONC, DET M.
- DRIVEWAY, NONREINF CONC, 8 INCH ON 8 INCH AGGREGATE BASE. DRIVEWAY OPENING, CONC, DET M.
- HMA - 1.5 INCH 5E3 ON 2 INCH 4E3.
- CURB AND GUTTER, CONC, DET F4
- NOT USED.
- NOT USED.
- CAUTION: MULTIPLE GAS MAINS AND POSSIBLE VAULT IN THIS AREA. CONTRACTOR TO FIELD VERIFY LOCATIONS PRIOR TO PAVEMENT REMOVAL AND EXCAVATION.
- BUS BOARDING AND ALIGNMENT AREA. MAXIMUM SLOPE OF 2% IN ALL DIRECTIONS, SEE SHEET C503 FOR DETAIL.

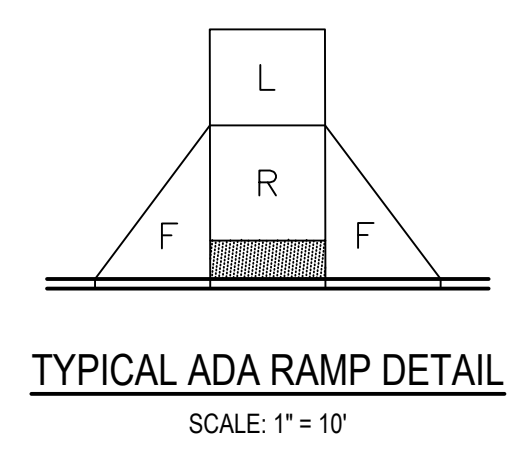
UTILITY CONSTRUCTION NOTES

- DR STRUCTURE, 48 INCH PRECAST, TRAPPED AS NOTED, 2 SUMP. SEE DETAILS ON SHEETS C500. CONNECT PROPOSED ROADWAY UNDERDRAIN TO STRUCTURE.
- DR STRUCTURE, 24 INCH PRECAST, TRAPPED AS NOTED, 2 SUMP. SEE DETAILS ON SHEETS C500. CONNECT PROPOSED ROADWAY UNDERDRAIN TO STRUCTURE.
- DR STRUCTURE COVER, TYPE DETROIT MANHOLE. SEE DETAIL ON SHEET C502.
- DR STRUCTURE COVER, TYPE DETROIT CATCH BASIN. SEE DETAIL C-5028 ON SHEET C500.
- SEWER, CL IV, 12 INCH, TR DET B. MAINTAIN LOCATION AND DEPTH OF EXISTING PIPE. VERIFY UTILITY LOCATIONS IN FIELD. NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS
- CLEAN EXISTING DRAINAGE STRUCTURE
- DR STRUCTURE, TAP, "PER PLAN" INCH
- REUSE / RECONNECT EXISTING CATCH BASIN CONNECTION. LINE EXISTING CONNECTION WITH CURED IN PLACE PIPE (CIPP).
- UNDERDRAIN, SUBGRADE, 6 INCH

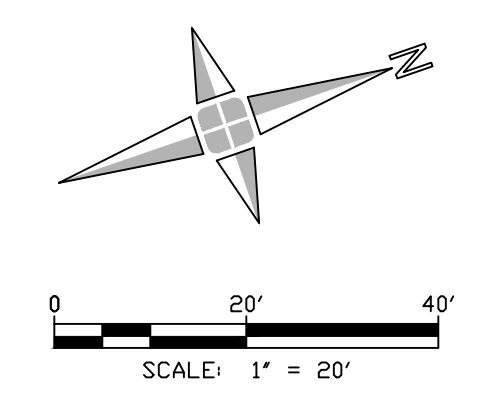


!!CAUTION!!
EXTREMELY FLAMMABLE HIGH PRESSURE GAS MAIN BURIED BELOW. DEPTH UNKNOWN. EXERCISE EXTREME CAUTION DURING EXCAVATION AND CONSTRUCTION!!

NOTE:
PROPOSED STORM UTILITIES DESIGNED WITH LIMITED FIELD AND RECORD INFORMATION AVAILABLE. CONTRACTOR TO VERIFY ALL EXISTING ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS. CONTRACTOR TO MAINTAIN MINIMUM 18 INCH CLEARANCE BETWEEN ALL EXISTING AND PROPOSED UTILITY CROSSINGS.
CONTRACTOR TO CLEAN AND FIELD VERIFY ALL EXISTING STORM SEWERS BETWEEN CATCH BASINS.



SIDEWALK RAMP LEGEND
L SIDEWALK LANDING, 1.75% DESIGN MAX IN EACH DIRECTION OF TRAVEL.
F SIDEWALK FLARE, 9.5% DESIGN MAX
R SIDEWALK RAMP, 7.5% DESIGN MAX
[Symbol] DETECTABLE WARNING TILE
NOTE: ALL ADA RAMPS SHOULD FOLLOW THE MDT R-28-SERIES STANDARD PLAN SPECIFICATIONS.



Engineers
Surveyors
Planners
Landscape Architects
28 West Adams Road
Suite 1200
Detroit, MI 48226
p (313) 962-4442
f (313) 962-5068
www.giffelswebster.com

Executive: MGD
Manager: MGD
Designer: RMJ/AFP
Quality Control: MGD
Section: 21/28
T-01-S R-12-E



DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	REVISED BID SET
9.04.2020	ISSUED FOR BID
11.18.2020	ADDENDUM 01
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

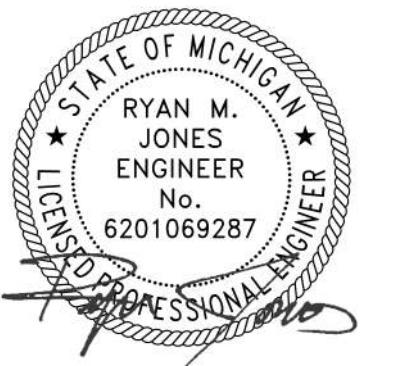
CONSTRUCTION PLAN
STA 10+00 TO 14+75
Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date: 06.11.2021
Scale: 1"=20'
Sheet: C201
Project: 19483.00D

Executive:	MGD
Manager:	MGD
Designer:	RMJ/AFP
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

PROFILE
STA 10+00 TO 14+75

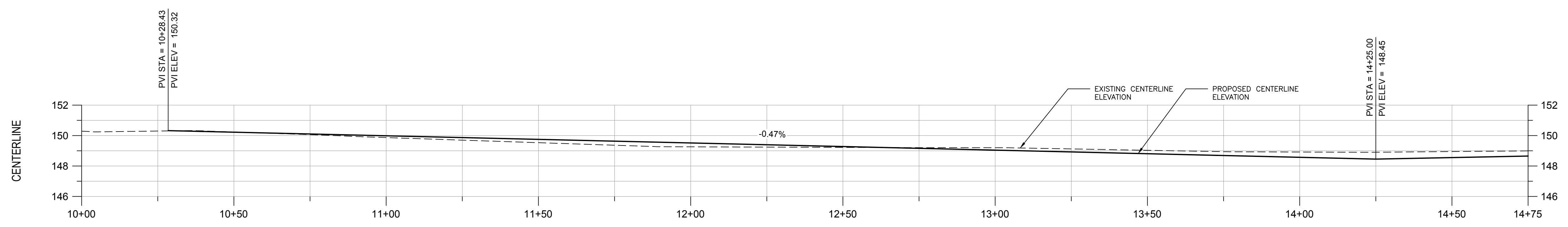
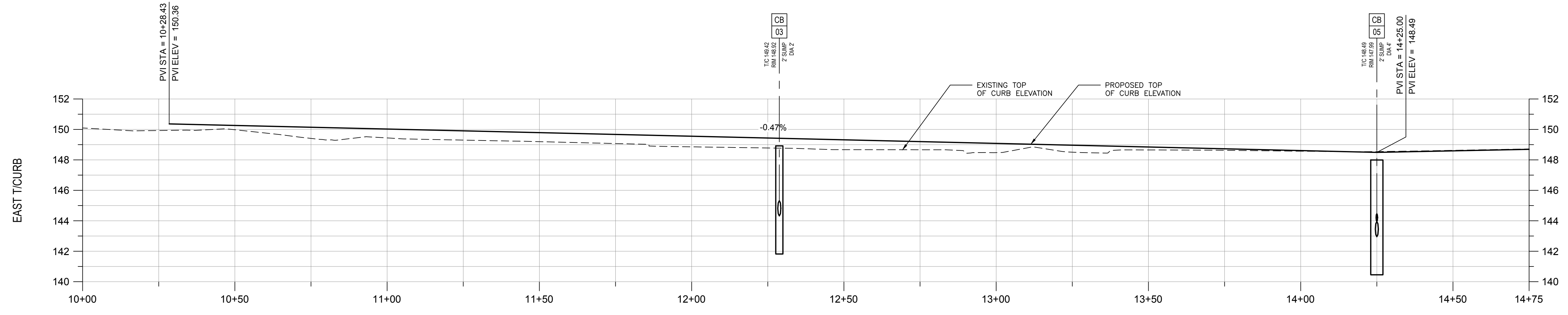
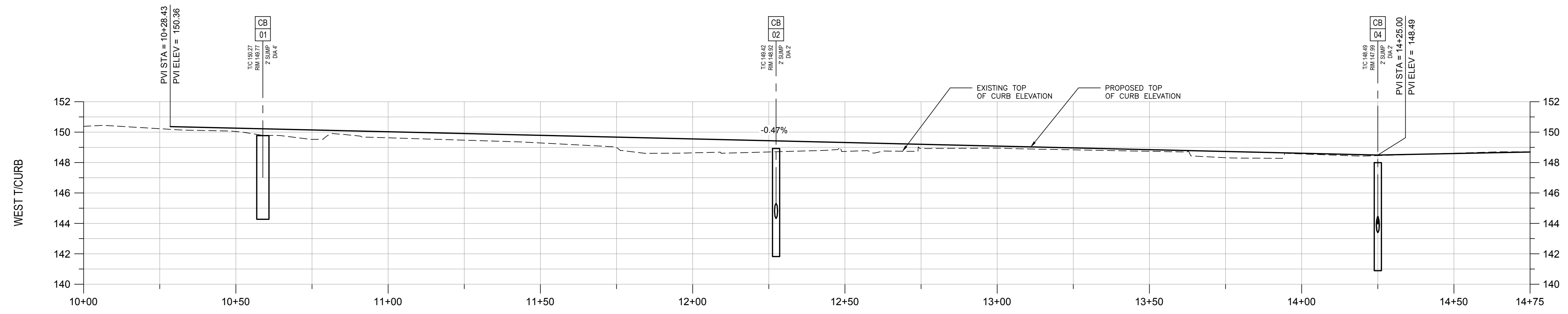
Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	SEE KEY
Sheet:	C202
Project:	19483.00D

Copyright © 2021 Giffels Webster. No reproduction or use of any part of this work without the prior written consent of Giffels Webster.

!!CAUTION!!
EXTREMELY FLAMMABLE HIGH
PRESSURE GAS MAIN BURIED BELOW. DEPTH
UNKNOWN. EXERCISE EXTREME CAUTION
DURING EXCAVATION AND CONSTRUCTION!!



DEMOLITION QUANTITIES THIS SHEET

792	SYD	SIDEWALK, REM
1806	SYD	PAVT, REM
2836	SYD	HMA SURFACE, REM
58	SYD	COLD MILLING HMA SURFACE
6	EA	DR STRUCTURE, REM
1050	FT	TRACK, REM

DEMOLITION LEGEND

REMOVE FULL DEPTH ASPHALT OVER CONCRETE PAVEMENT AND BASE	
REMOVE FULL DEPTH CONCRETE PAVEMENT/SIDEWALK	
3.5 INCH DEEP, 12 FEET WIDE COLD MILLING	
REMOVE FULL DEPTH CONCRETE PAVEMENT AND BASE	
REMOVE FULL DEPTH ASPHALT OVER CONCRETE PAVEMENT, RAIL CAR TRACKS, AND BASE MATERIAL	

REMOVE OBJECT	
REMOVE UTILITY STRUCTURE	
REMOVE UTILITY	
REMOVE FULL DEPTH CONCRETE CURB	

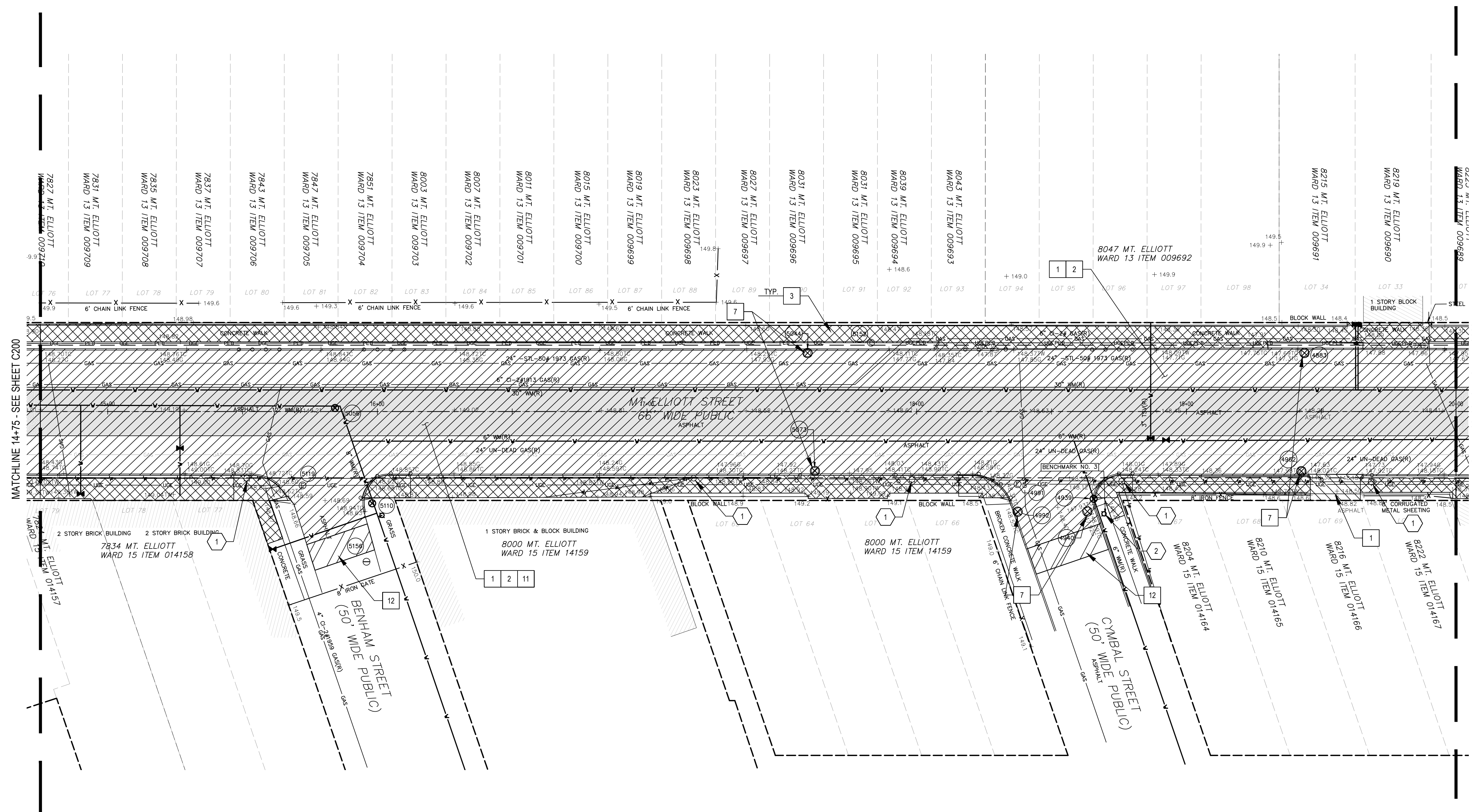
DEMOLITION NOTES

- SAWCUT FULL DEPTH AND REMOVE EXISTING ROADWAY PAVEMENT INCLUDING EXISTING CURB.
- REMOVE EXISTING HMA PAVEMENT ON CONCRETE PAVEMENT.
- SAWCUT FULL DEPTH AND REMOVE EXISTING SIDEWALK 6 INCHES THICK OR LESS.
- REMOVE EXISTING TREE.
- REMOVE MISCELLANEOUS OBJECT. PAID FOR AS STATION GRADING.
- SALVAGE EXISTING FIRE HYDRANT, GATE VALVE, AND GATE BOX. SEE CONSTRUCTION PLANS FOR FINAL LOCATION.
- REMOVE EXISTING CATCH BASIN. EXISTING LEAD WILL BE USED FOR PROPOSED CATCH BASIN TO BE INSTALLED LATER.
- REMOVE EXISTING SIGN AND CORRESPONDING POST OR BAND CONNECTION.
- REMOVE EXISTING POLE, PARTS, AND CONNECTIONS ATTACHED TO UTILITY POLE. REMOVAL OF ANY SIGNS PAID SEPARATELY.
- CAUTION: MULTIPLE GAS MAINS AND POSSIBLE VAULT IN THIS AREA. CONTRACTOR TO FIELD VERIFY LOCATIONS PRIOR TO PAVEMENT REMOVAL AND EXCAVATION
- REMOVE EXISTING RAILWAY TRACKS BENEATH THE EXISTING PAVEMENT INCLUDING RAILS, TIES, ANY CONCRETE ENCASUREMENT, AND OTHER RELATED ITEMS. CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF TRACKS.

12 COLD MILL EXISTING HMA PAVEMENT 3.5 INCHES DEEP.

PROTECT-IN-PLACE NOTES

- PROTECT-IN-PLACE EXISTING UTILITY POLE
- PROTECT-IN-PLACE EXISTING HYDRANT

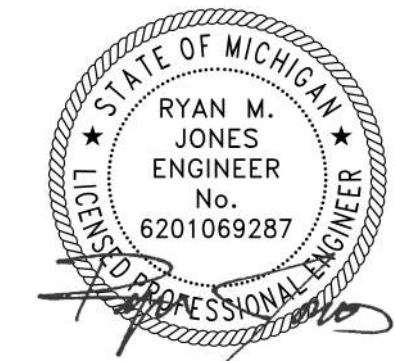


Engineers
Surveyors
Planners
Landscape Architects

28 West Adams Road
Suite 1200
Detroit, MI 48226
p (313) 962-4442
f (313) 962-5068
www.giffelswebster.com

Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

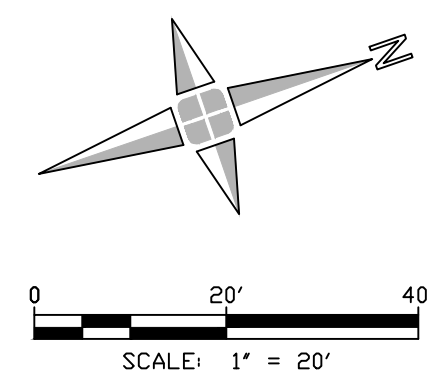
Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

REMOVAL PLAN
STA 14+75 TO 20+00

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C210
Project:	19483.00D



CONSTRUCTION QUANTITIES THIS SHEET

2732	SYD	CONC PAVT WITH INTEGRAL CURB, NONREINF, 10 INCH
61	SYD	DRIVEWAY, NONREINF CONC, 8 INCH
72	FT	DRIVEWAY OPENING, CONC, DET M
6856	SFT	SIDEWALK, CONC, 6 INCH
802	SFT	SIDEWALK RAMP, CONC, 6 INCH
5	TON	HMA, 4E3
7	TON	HMA, 5E3
64	FT	DETECTABLE WARNING SURFACE
61	SYD	AGGREGATE BASE, 8 INCH
2732	SYD	AGGREGATE BASE, 12 INCH
142	CYD	GRANULAR MATERIAL, CL II
4	EA	DR STRUCTURE, 48 INCH DIA
4	EA	DR STRUCTURE COVER, DETROIT CATCH BASIN
3	EA	DR STRUCTURE, ADJ, CASE 1
1050	FT	UNDERDRAIN, SUBGRADE, 6 INCH
87	FT	SEWER, CL IV, 12 INCH, TR DET B
40	FT	CURED-IN-PLACE PIPE LINING, 12 INCH

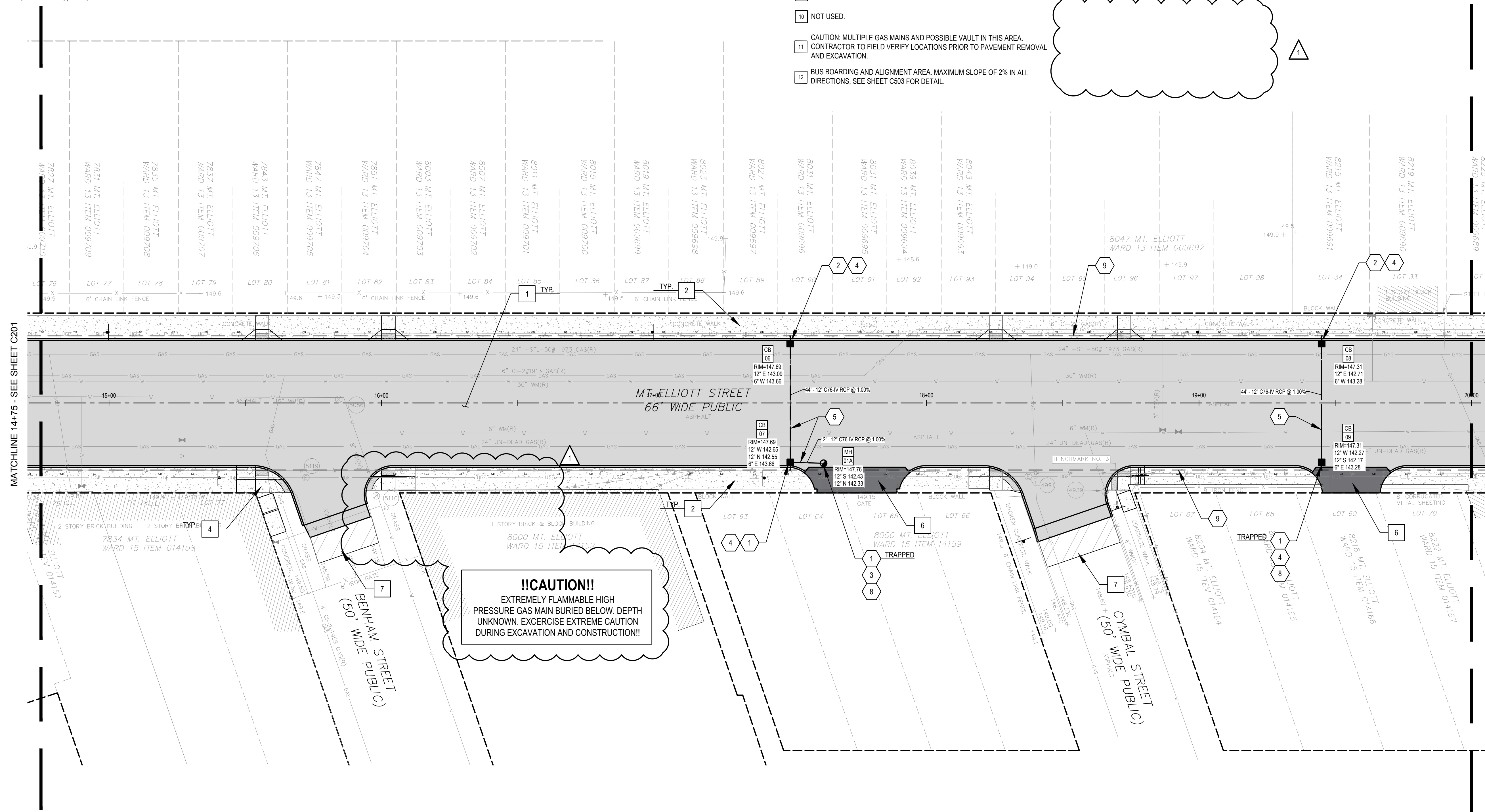
DRIVEWAY SUMMARY THIS SHEET						
STATION	SIDE	DRIVEWAY OPENING, CONC		DRIVEWAY APPROACHES		
		WIDTH AT BACK/SWK*	*DET M	ENTERING RADIUS	EXITING RADIUS	DRIVEWAY, NONREINF, CONC, 8 INCH
		Ft	Ft	Ft	Ft	Syd
17+74	RT	30.2	41	10	10	36
19+56	RT	21.2	31	10	10	26

CONSTRUCTION NOTES

- CONCRETE PAVT WITH INTEGRAL CURB, NONREINF, 10 INCH ON 12 INCH AGGREGATE BASE.
- SIDEWALK, CONC, 6 INCH ON 6 INCH GRANULAR CLASS II BASE.
- SIDEWALK, CONC, 8 INCH ON 6 INCH GRANULAR CLASS II BASE.
- SIDEWALK RAMP, CONC, 6 INCH ON 6 INCH GRANULAR CLASS II BASE WITH DETECTABLE WARNING SURFACE PER MDT SPECIAL DETAIL R-28-J AS MODIFIED BY THE CITY OF DETROIT. SEE SHEET C501 FOR GRADING DETAILS.
- DRIVEWAY, NONREINF CONC, 10 INCH ON 12 INCH AGGREGATE BASE. DRIVEWAY OPENING, CONC, DET M.
- DRIVEWAY, NONREINF CONC, 8 INCH ON 8 INCH AGGREGATE BASE. DRIVEWAY OPENING, CONC, DET M.
- HMA - 1.5 INCH 5E3 ON 2 INCH 4E3.
- CURB AND GUTTER, CONC, DET F4
- NOT USED.
- NOT USED.
- CAUTION: MULTIPLE GAS MAINS AND POSSIBLE VAULT IN THIS AREA. CONTRACTOR TO FIELD VERIFY LOCATIONS PRIOR TO PAVEMENT REMOVAL AND EXCAVATION.
- BUS BOARDING AND ALIGNMENT AREA. MAXIMUM SLOPE OF 2% IN ALL DIRECTIONS. SEE SHEET C503 FOR DETAIL.

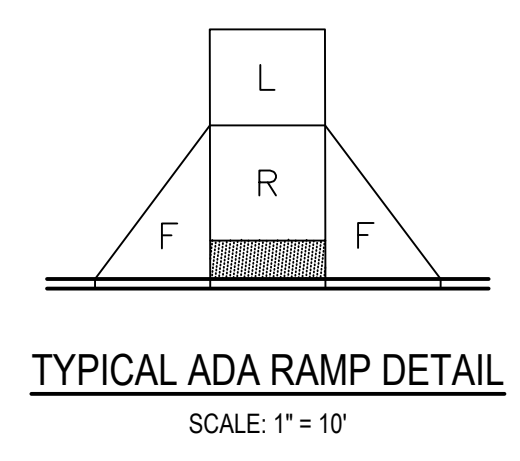
UTILITY CONSTRUCTION NOTES

- DR STRUCTURE, 48 INCH PRECAST, TRAPPED AS NOTED, 2' SUMP. SEE DETAILS ON SHEETS C500. CONNECT PROPOSED ROADWAY UNDERDRAIN TO STRUCTURE.
- DR STRUCTURE, 24 INCH PRECAST, TRAPPED AS NOTED, 2' SUMP. SEE DETAILS ON SHEETS C500. CONNECT PROPOSED ROADWAY UNDERDRAIN TO STRUCTURE.
- DR STRUCTURE COVER, TYPE DETROIT MANHOLE. SEE DETAIL ON SHEET C502.
- DR STRUCTURE COVER, TYPE DETROIT CATCH BASIN. SEE DETAIL C-5028 ON SHEET C500.
- SEWER, CL IV, 12 INCH, TR DET B. MAINTAIN LOCATION AND DEPTH OF EXISTING PIPE. VERIFY UTILITY LOCATIONS IN FIELD. NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS.
- CLEAN EXISTING DRAINAGE STRUCTURE
- DR STRUCTURE, TAP, "PER PLAN" INCH
- REUSE / RECONNECT EXISTING CATCH BASIN CONNECTION. LINE EXISTING CONNECTION WITH CURED IN PLACE PIPE (CIPP).
- UNDERDRAIN, SUBGRADE, 6 INCH



!!CAUTION!!
EXTREMELY FLAMMABLE HIGH PRESSURE GAS MAIN BURIED BELOW. DEPTH UNKNOWN. EXERCISE EXTREME CAUTION DURING EXCAVATION AND CONSTRUCTION!!

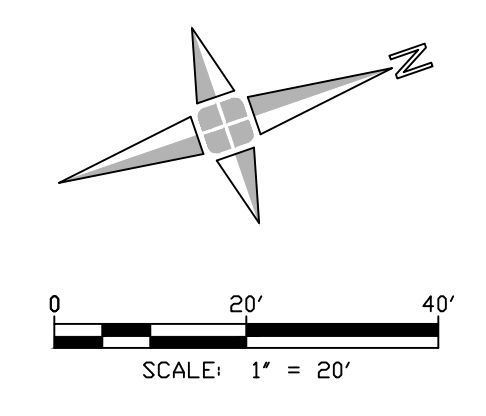
NOTE:
PROPOSED STORM UTILITIES DESIGNED WITH LIMITED FIELD AND RECORD INFORMATION AVAILABLE. CONTRACTOR TO VERIFY ALL EXISTING ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS. CONTRACTOR TO MAINTAIN MINIMUM 18 INCH CLEARANCE BETWEEN ALL EXISTING AND PROPOSED UTILITY CROSSINGS.
CONTRACTOR TO CLEAN AND FIELD VERIFY ALL EXISTING STORM SEWERS BETWEEN CATCH BASINS.



SIDEWALK RAMP LEGEND

- L SIDEWALK LANDING, 1.75% DESIGN MAX IN EACH DIRECTION OF TRAVEL.
- F SIDEWALK FLARE, 9.5% DESIGN MAX
- R SIDEWALK RAMP, 7.5% DESIGN MAX
- [Symbol] DETECTABLE WARNING TILE

NOTE:
ALL ADA RAMPS SHOULD FOLLOW THE MDT R-28-SERIES STANDARD PLAN SPECIFICATIONS.



giffels webster

Engineers
Surveyors
Planners
Landscape Architects

28 West Adams Road
Suite 1200
Detroit, MI 48226
p (313) 962-4442
f (313) 962-5068
www.giffelswebster.com

Executive:	MGD
Manager:	MGD
Designer:	RMJ/AFP
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E

Professional Seal:

811

Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
11.18.2020	ADDENDUM 01
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

CONSTRUCTION PLAN
STA 14+75 TO 20+00
Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C211
Project:	19483.00D

Copyright © 2021 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.

Executive:	MGD
Manager:	MGD
Designer:	RMJ/AFP
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

PROFILE
STA 14+75 TO 20+00

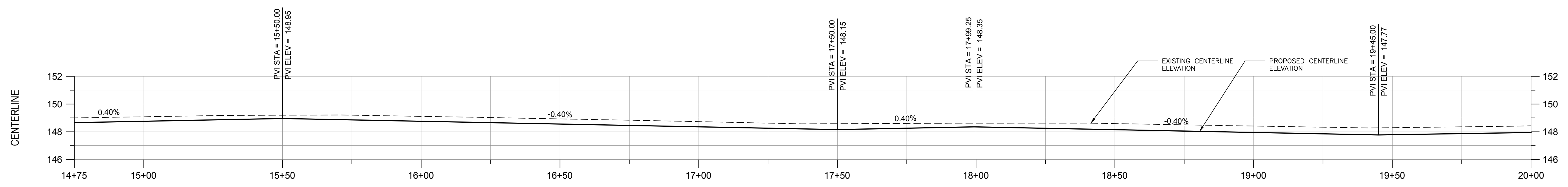
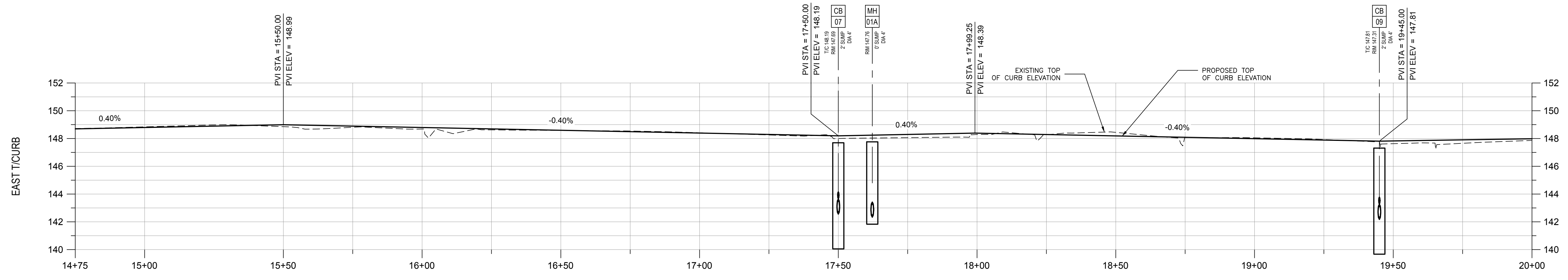
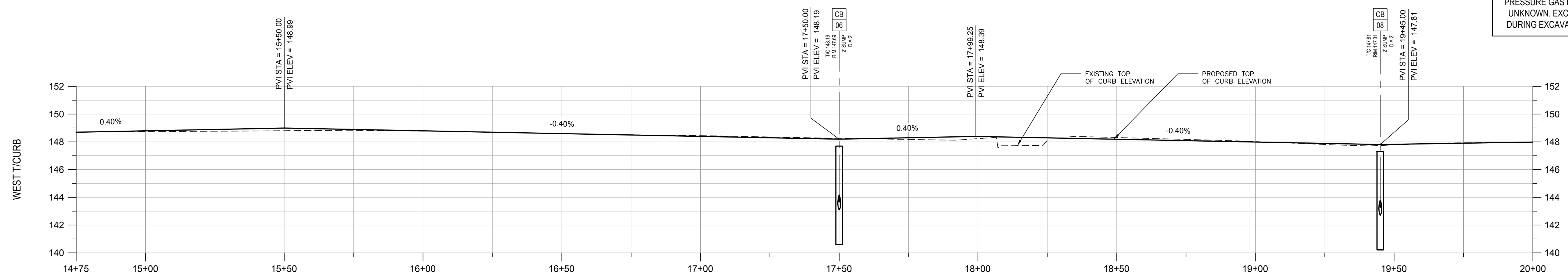
Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	SEE KEY
Sheet:	C212
Project:	19483.00D

Copyright © 2021 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.

!!CAUTION!!
EXTREMELY FLAMMABLE HIGH
PRESSURE GAS MAIN BURIED BELOW. DEPTH
UNKNOWN. EXERCISE EXTREME CAUTION
DURING EXCAVATION AND CONSTRUCTION!!



Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E



Know what's below.
Call before you dig.

DATE:	ISSUE:
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

REMOVAL PLAN
STA 20+00 TO 25+25

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C220
Project:	19483.00D

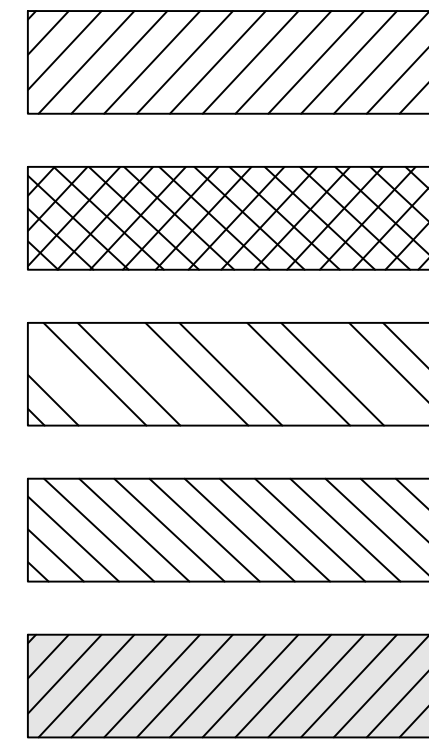
Copyright © 2021 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.

DEMOLITION QUANTITIES THIS SHEET

704	SYD	SIDEWALK, REM
1981	SYD	PAVT, REM
2974	SYD	HMA SURFACE, REM
125	SYD	COLD MILLING HMA SURFACE
5	EA	DR STRUCTURE, REM
1	EA	SIGN, TYPE III, REM
1050	FT	TRACK, REM

DEMOLITION LEGEND

- REMOVE FULL DEPTH ASPHALT OVER CONCRETE PAVEMENT AND BASE
- REMOVE FULL DEPTH CONCRETE PAVEMENT/SIDEWALK
- 3.5 INCH DEEP, 12 FEET WIDE COLD MILLING
- REMOVE FULL DEPTH CONCRETE PAVEMENT AND BASE
- REMOVE FULL DEPTH ASPHALT OVER CONCRETE PAVEMENT, RAIL CAR TRACKS, AND BASE MATERIAL



- REMOVE OBJECT
- REMOVE UTILITY STRUCTURE
- REMOVE UTILITY
- REMOVE FULL DEPTH CONCRETE CURB

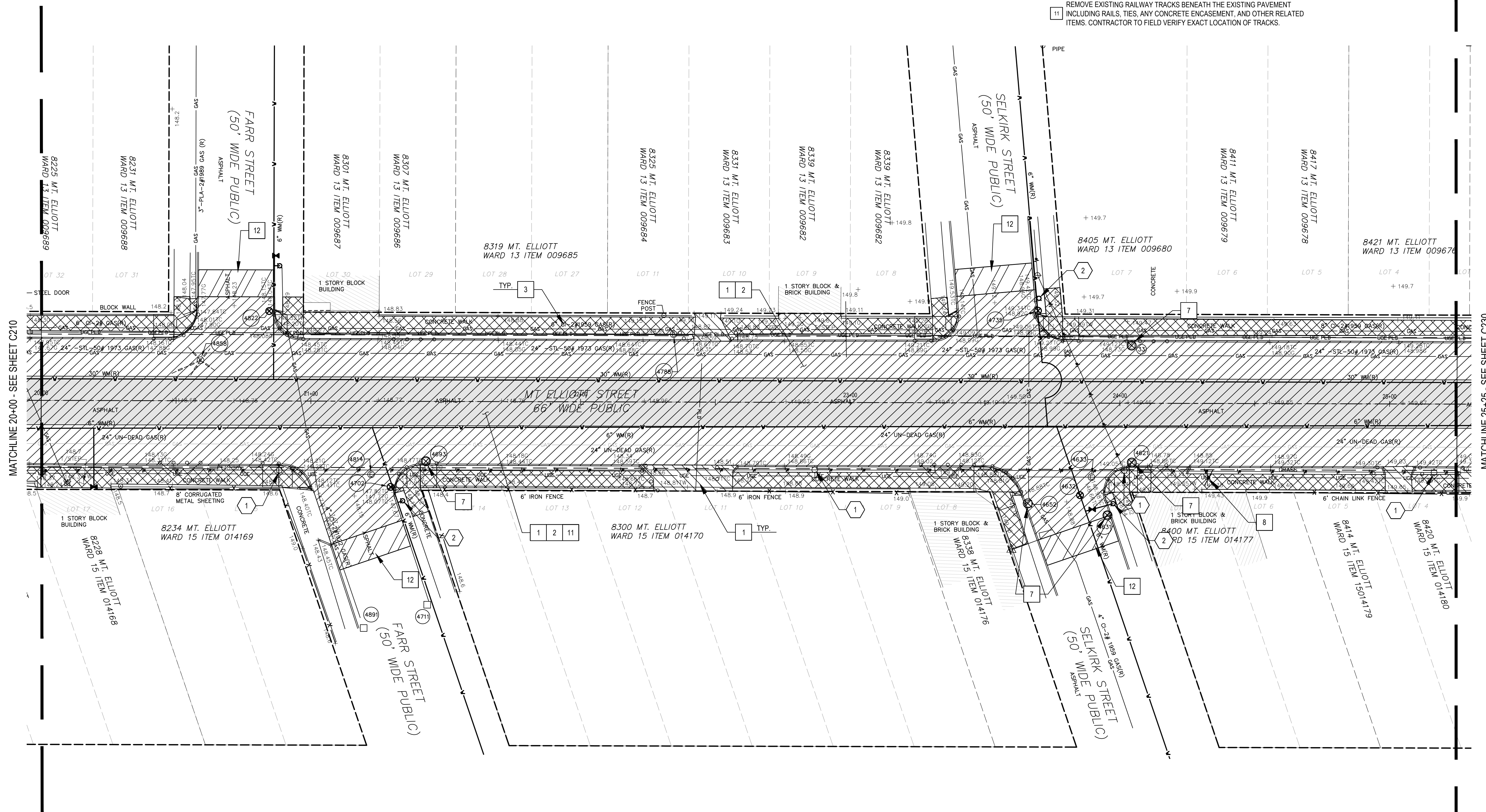
DEMOLITION NOTES

- 1 SAWCUT FULL DEPTH AND REMOVE EXISTING ROADWAY PAVEMENT INCLUDING EXISTING CURB.
- 2 REMOVE EXISTING HMA PAVEMENT ON CONCRETE PAVEMENT.
- 3 SAWCUT FULL DEPTH AND REMOVE EXISTING SIDEWALK 6 INCHES THICK OR LESS.
- 4 REMOVE EXISTING TREE.
- 5 REMOVE MISCELLANEOUS OBJECT. PAID FOR AS STATION GRADING.
- 6 SALVAGE EXISTING FIRE HYDRANT, GATE VALVE, AND GATE BOX. SEE CONSTRUCTION PLANS FOR FINAL LOCATION.
- 7 REMOVE EXISTING CATCH BASIN. EXISTING LEAD WILL BE USED FOR PROPOSED CATCH BASIN TO BE INSTALLED LATER.
- 8 REMOVE EXISTING SIGN AND CORRESPONDING POST OR BAND CONNECTION.
- 9 REMOVE EXISTING POLE, PARTS, AND CONNECTIONS ATTACHED TO UTILITY POLE. REMOVAL OF ANY SIGNS PAID SEPARATELY.
- 10 CAUTION: MULTIPLE GAS MAINS AND POSSIBLE VAULT IN THIS AREA. CONTRACTOR TO FIELD VERIFY LOCATIONS PRIOR TO PAVEMENT REMOVAL AND EXCAVATION.
- 11 REMOVE EXISTING RAILWAY TRACKS BENEATH THE EXISTING PAVEMENT INCLUDING RAILS, TIES, ANY CONCRETE ENCASEMENT, AND OTHER RELATED ITEMS. CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF TRACKS.

12 COLD MILL EXISTING HMA PAVEMENT 3.5 INCHES DEEP.

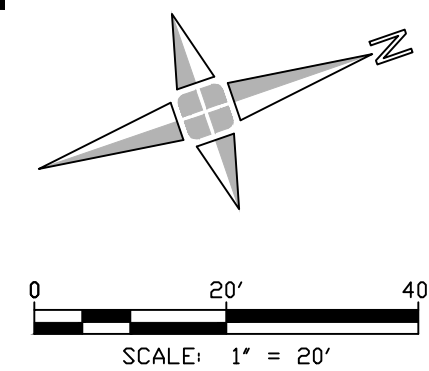
PROTECT-IN-PLACE NOTES

- 1 PROTECT-IN-PLACE EXISTING UTILITY POLE
- 2 PROTECT-IN-PLACE EXISTING HYDRANT



MATCHLINE 20+00 - SEE SHEET C210

MATCHLINE 25+25 - SEE SHEET C230



CONSTRUCTION QUANTITIES THIS SHEET

2689	SYD	CONC PAVT WITH INTEGRAL CURB, NONREINF, 10 INCH
62	SYD	DRIVEWAY, NONREINF CONC, 8 INCH
109	FT	DRIVEWAY OPENING, CONC, DET M
6170	SFT	SIDEWALK, CONC, 6 INCH
1480	SFT	SIDEWALK RAMP, CONC, 6 INCH
11	TON	HMA, 4E3
14	TON	HMA, 5E3
88	FT	DETECTABLE WARNING SURFACE
62	SYD	AGGREGATE BASE, 8 INCH
2689	SYD	AGGREGATE BASE, 12 INCH
142	CYD	GRANULAR MATERIAL, CL II
4	EA	DR STRUCTURE, 48 INCH DIA
4	EA	DR STRUCTURE COVER, DETROIT CATCH BASIN
1	EA	DR STRUCTURE COVER, DETROIT MANHOLE
9	EA	DR STRUCTURE, ADJ, CASE 1
1050	FT	UNDERDRAIN, SUBGRADE, 6 INCH
87	FT	SEWER, CL IV, 12 INCH, TR DET B
40	FT	CURED-IN-PLACE PIPE LINING, 12 INCH

DRIVEWAY SUMMARY THIS SHEET

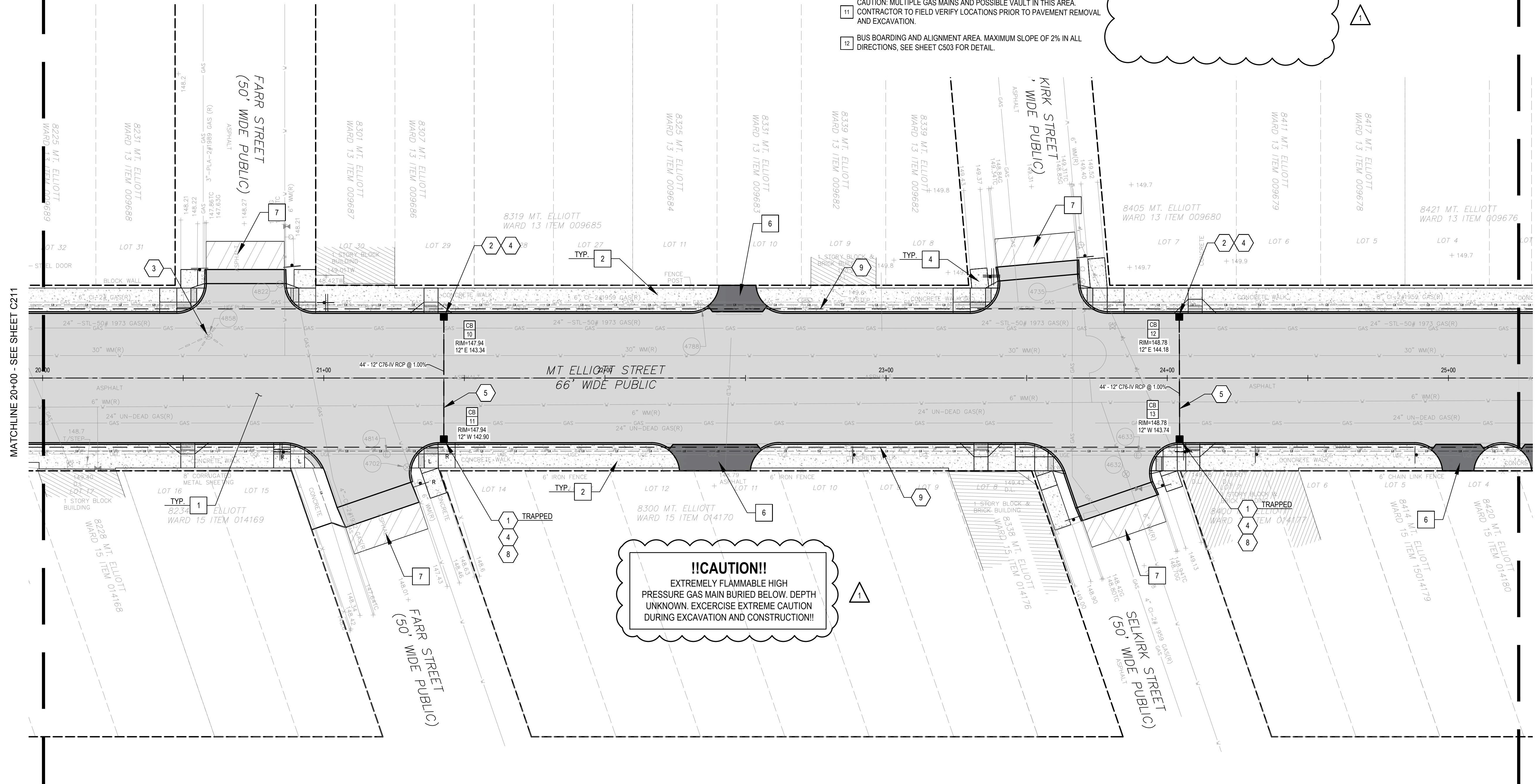
STATION	SIDE	DRIVEWAY OPENING, CONC		DRIVEWAY APPROACHES		
		WIDTH AT BACK/SWK*	*DET M	ENTERING RADIUS	EXITING RADIUS	DRIVEWAY, NONREINF, CONC, 8 INCH
		Ft	Ft	Ft	Ft	Syd
22+39	RT	25.2	35	10	10	30
22+47	LFT	13.2	23	10	10	18
25+03	RT	11.2	21	10	10	16

CONSTRUCTION NOTES

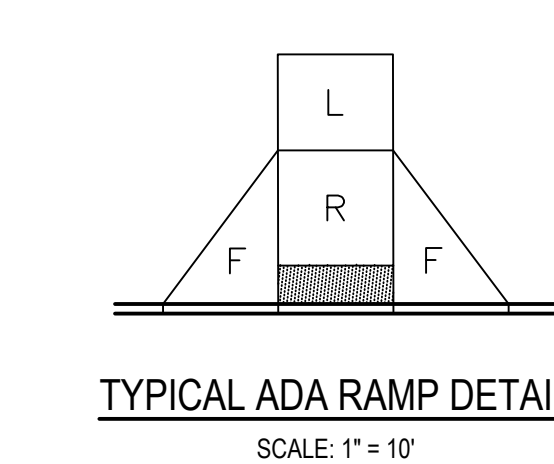
- CONCRETE PAVT WITH INTEGRAL CURB, NONREINF, 10 INCH ON 12 INCH AGGREGATE BASE.
- SIDEWALK, CONC, 6 INCH ON 6 INCH GRANULAR CLASS II BASE.
- SIDEWALK, CONC, 8 INCH ON 6 INCH GRANULAR CLASS II BASE.
- SIDEWALK RAMP, CONC, 6 INCH ON 6 INCH GRANULAR CLASS II BASE WITH DETECTABLE WARNING SURFACE PER MDOT SPECIAL DETAIL R-28-J AS MODIFIED BY THE CITY OF DETROIT. SEE SHEET C501 FOR GRADING DETAILS.
- DRIVEWAY, NONREINF CONC, 10 INCH ON 12 INCH AGGREGATE BASE. DRIVEWAY OPENING, CONC, DET M.
- DRIVEWAY, NONREINF CONC, 8 INCH ON 8 INCH AGGREGATE BASE. DRIVEWAY OPENING, CONC, DET M.
- HMA - 1.5 INCH 5E3 ON 2 INCH 4E3.
- CURB AND GUTTER, CONC, DET F4
- NOT USED.
- NOT USED.
- CAUTION: MULTIPLE GAS MAINS AND POSSIBLE VAULT IN THIS AREA. CONTRACTOR TO FIELD VERIFY LOCATIONS PRIOR TO PAVEMENT REMOVAL AND EXCAVATION.
- BUS BOARDING AND ALIGNMENT AREA. MAXIMUM SLOPE OF 2% IN ALL DIRECTIONS, SEE SHEET C503 FOR DETAIL.

UTILITY CONSTRUCTION NOTES

- DR STRUCTURE, 48 INCH PRECAST, TRAPPED AS NOTED, 2' SUMP. SEE DETAILS ON SHEETS C500. CONNECT PROPOSED ROADWAY UNDERDRAIN TO STRUCTURE.
- DR STRUCTURE, 24 INCH PRECAST, TRAPPED AS NOTED, 2' SUMP. SEE DETAILS ON SHEETS C500. CONNECT PROPOSED ROADWAY UNDERDRAIN TO STRUCTURE.
- DR STRUCTURE COVER, TYPE DETROIT MANHOLE. SEE DETAIL ON SHEET C502.
- DR STRUCTURE COVER, TYPE DETROIT CATCH BASIN. SEE DETAIL C-5028 ON SHEET C500.
- SEWER, CL IV, 12 INCH, TR DET B. MAINTAIN LOCATION AND DEPTH OF EXISTING PIPE. VERIFY UTILITY LOCATIONS IN FIELD. NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS.
- CLEAN EXISTING DRAINAGE STRUCTURE
- DR STRUCTURE, TAP, "PER PLAN" INCH
- REUSE / RECONNECT EXISTING CATCH BASIN CONNECTION. LINE EXISTING CONNECTION WITH CURED IN PLACE PIPE (CIPP).
- UNDERDRAIN, SUBGRADE, 6 INCH



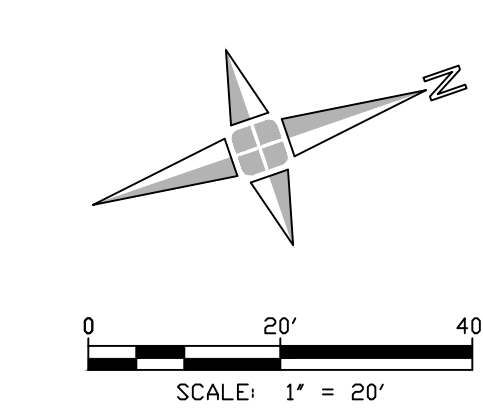
NOTE:
 PROPOSED STORM UTILITIES DESIGNED WITH LIMITED FIELD AND RECORD INFORMATION AVAILABLE. CONTRACTOR TO VERIFY ALL EXISTING ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS. CONTRACTOR TO MAINTAIN MINIMUM 18 INCH CLEARANCE BETWEEN ALL EXISTING AND PROPOSED UTILITY CROSSINGS.
 CONTRACTOR TO CLEAN AND FIELD VERIFY ALL EXISTING STORM SEWERS BETWEEN CATCH BASINS.



SIDEWALK RAMP LEGEND

- L SIDEWALK LANDING, 1.75% DESIGN MAX IN EACH DIRECTION OF TRAVEL.
- F SIDEWALK FLARE, 9.5% DESIGN MAX
- R SIDEWALK RAMP, 7.5% DESIGN MAX
- DETECTABLE WARNING TILE

NOTE:
 ALL ADA RAMPS SHOULD FOLLOW THE MDOT R-28-SERIES STANDARD PLAN SPECIFICATIONS.



Engineers
 Surveyors
 Planners
 Landscape Architects

28 West Adams Road
 Suite 1200
 Detroit, MI 48226
 p (313) 962-4442
 f (313) 962-5068
 www.giffelswebster.com

Executive:	MGD
Manager:	MGD
Designer:	RMJ/AFP
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E



DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
11.18.2020	ADDENDUM 01
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
 Economic Development Corporation of the City of Detroit
 500 Griswold Street, Suite 2200
 Detroit, MI 48226
 P: 313.963.2940

CONSTRUCTION PLAN
 STA 20+00 TO 25+25

Mt Elliott Street Reconstruction

City of Detroit
 Wayne County
 Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C221
Project:	19483.00D

Copyright © 2021 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.

Executive:	MGD
Manager:	MGD
Designer:	RMJ/AFP
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

PROFILE
STA 20+00 TO 25+25

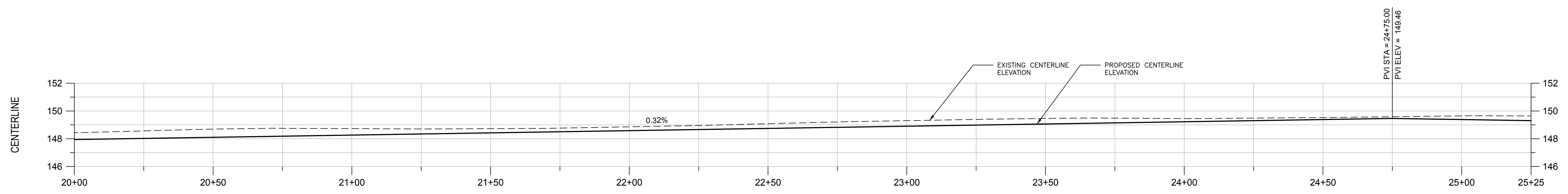
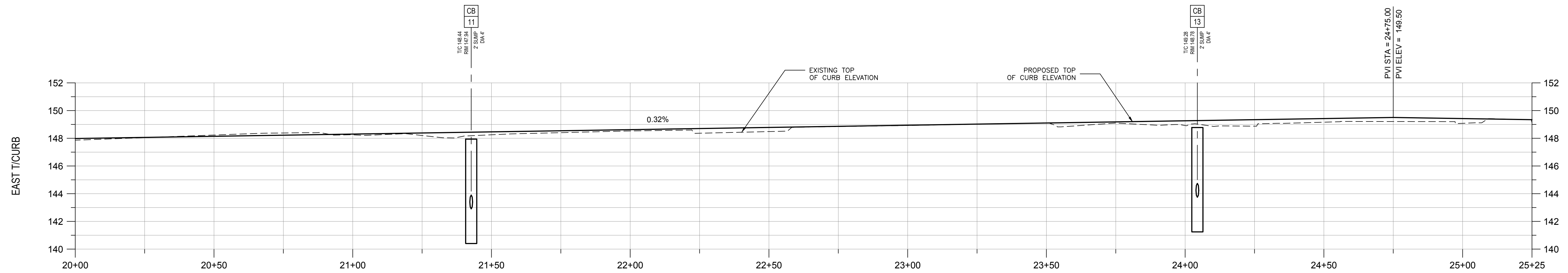
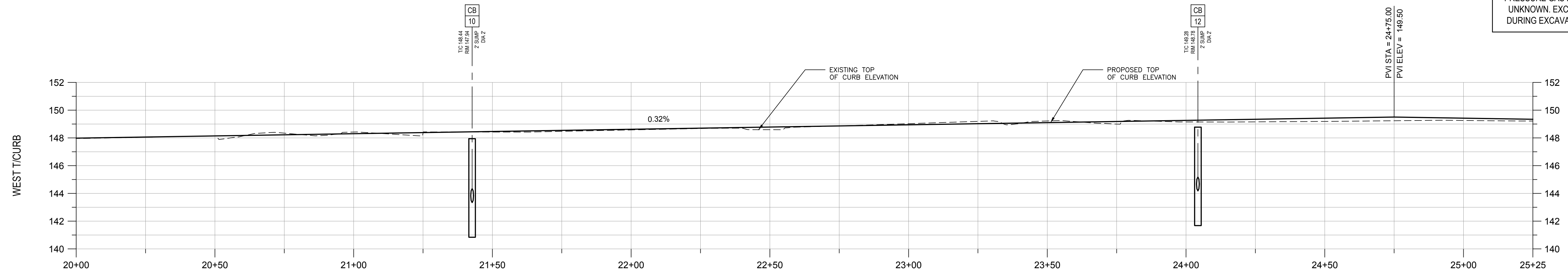
Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	SEE KEY
Sheet:	C222
Project:	19483.00D

Copyright © 2021 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.

!!CAUTION!!
EXTREMELY FLAMMABLE HIGH
PRESSURE GAS MAIN BURIED BELOW. DEPTH
UNKNOWN. EXERCISE EXTREME CAUTION
DURING EXCAVATION AND CONSTRUCTION!!



DEMOLITION QUANTITIES THIS SHEET

830	SYD	SIDEWALK, REM
1897	SYD	PAVT, REM
2902	SYD	HMA SURFACE, REM
137	SYD	COLD MILLING HMA SURFACE
4	EA	DR STRUCTURE, REM
3	EA	SIGN, TYPE III, REM
1050	FT	TRACK, REM

DEMOLITION LEGEND

REMOVE FULL DEPTH ASPHALT OVER CONCRETE PAVEMENT AND BASE	
REMOVE FULL DEPTH CONCRETE PAVEMENT/SIDEWALK	
3.5 INCH DEEP, 12 FEET WIDE COLD MILLING	
REMOVE FULL DEPTH CONCRETE PAVEMENT AND BASE	
REMOVE FULL DEPTH ASPHALT OVER CONCRETE PAVEMENT, RAIL CAR TRACKS, AND BASE MATERIAL	

REMOVE OBJECT	
REMOVE UTILITY STRUCTURE	
REMOVE UTILITY	
REMOVE FULL DEPTH CONCRETE CURB	

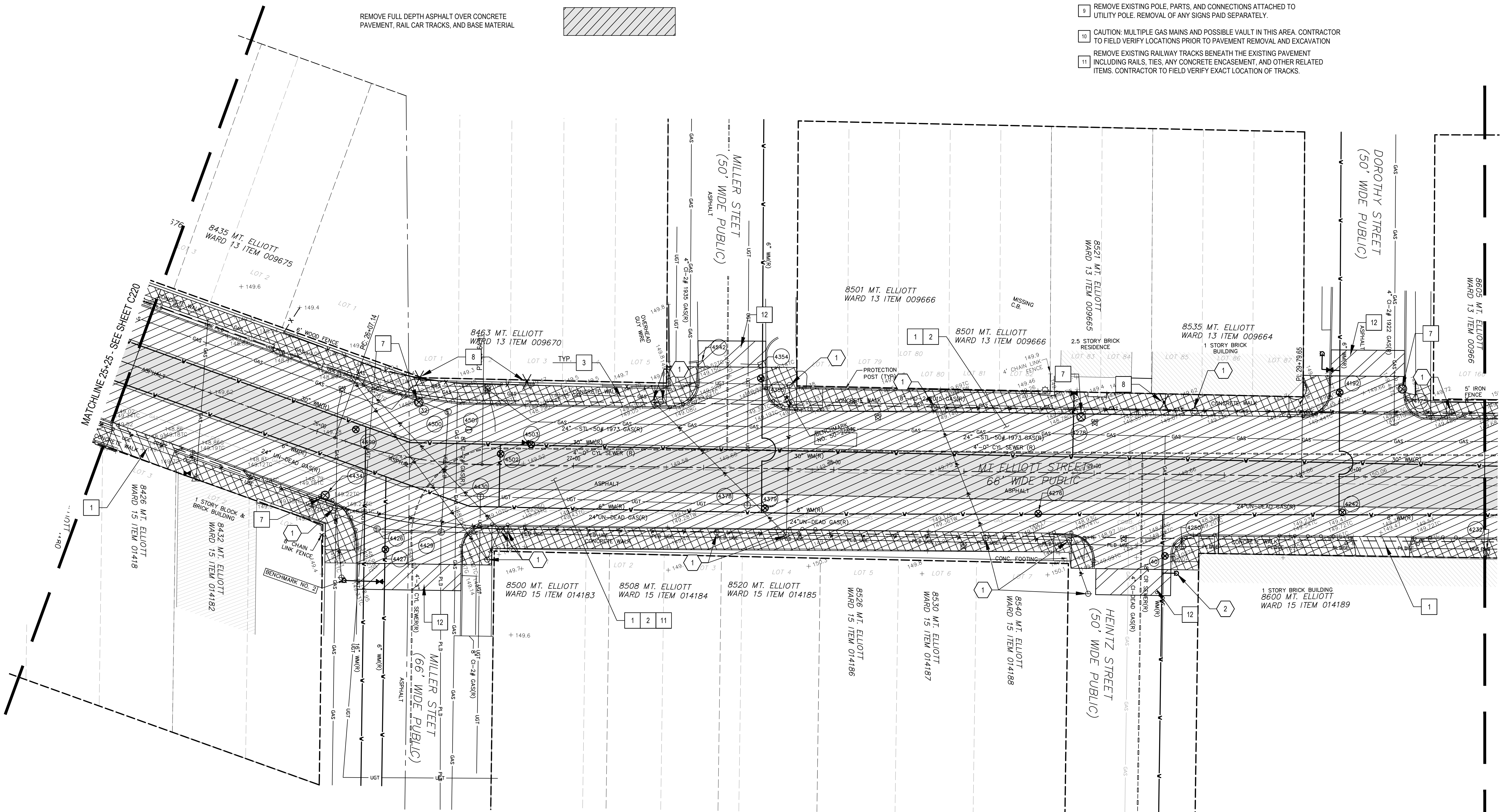
DEMOLITION NOTES

- SAWCUT FULL DEPTH AND REMOVE EXISTING ROADWAY PAVEMENT INCLUDING EXISTING CURB.
- REMOVE EXISTING HMA PAVEMENT ON CONCRETE PAVEMENT.
- SAWCUT FULL DEPTH AND REMOVE EXISTING SIDEWALK 6 INCHES THICK OR LESS.
- REMOVE EXISTING TREE.
- REMOVE MISCELLANEOUS OBJECT. PAID FOR AS STATION GRADING.
- SALVAGE EXISTING FIRE HYDRANT, GATE VALVE, AND GATE BOX. SEE CONSTRUCTION PLANS FOR FINAL LOCATION.
- REMOVE EXISTING CATCH BASIN. EXISTING LEAD WILL BE USED FOR PROPOSED CATCH BASIN TO BE INSTALLED LATER.
- REMOVE EXISTING SIGN AND CORRESPONDING POST OR BAND CONNECTION.
- REMOVE EXISTING POLE, PARTS, AND CONNECTIONS ATTACHED TO UTILITY POLE. REMOVAL OF ANY SIGNS PAID SEPARATELY.
- CAUTION: MULTIPLE GAS MAINS AND POSSIBLE VAULT IN THIS AREA. CONTRACTOR TO FIELD VERIFY LOCATIONS PRIOR TO PAVEMENT REMOVAL AND EXCAVATION
- REMOVE EXISTING RAILWAY TRACKS BENEATH THE EXISTING PAVEMENT INCLUDING RAILS, TIES, ANY CONCRETE ENCASEMENT, AND OTHER RELATED ITEMS. CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF TRACKS.

12 COLD MILL EXISTING HMA PAVEMENT 3.5 INCHES DEEP.

PROTECT-IN-PLACE NOTES

- PROTECT-IN-PLACE EXISTING UTILITY POLE
- PROTECT-IN-PLACE EXISTING HYDRANT



giffels webster

Engineers
Surveyors
Planners
Landscape Architects

28 West Adams Road
Suite 1200
Detroit, MI 48226
p (313) 962-4442
f (313) 962-5068
www.giffelswebster.com

Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	

Professional Seal:

811

Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit

500 Griswold Street, Suite 2200
Detroit, MI 48226

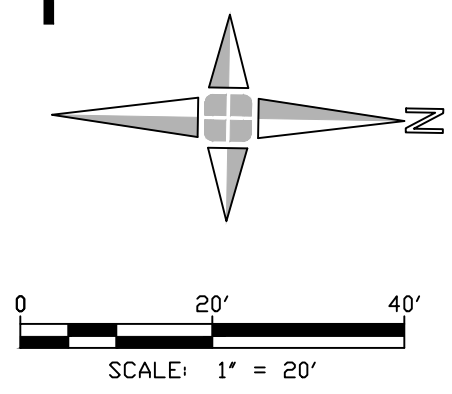
P: 313.963.2940

REMOVAL PLAN
STA 25+25 TO 30+50

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C230
Project:	19483.00D



CONSTRUCTION QUANTITIES THIS SHEET

2587	SYD	CONC PAVT WITH INTEGRAL CURB, NONREINF, 10 INCH
50	SYD	DRIVEWAY, NONREINF CONC, 8 INCH
47	SYD	DRIVEWAY, NONREINF CONC, 10 INCH
106	FT	DRIVEWAY OPENING, CONC, DET M
7141	SFT	SIDEWALK, CONC, 6 INCH
262	SFT	SIDEWALK RAMP, CONC, 6 INCH
12	TON	HMA, 4E3
16	TON	HMA, 5E3
84	FT	DETECTABLE WARNING SURFACE
50	SYD	AGGREGATE BASE, 8 INCH
2634	SYD	AGGREGATE BASE, 12 INCH
138	CYD	GRANULAR MATERIAL, CL II
4	EA	DR STRUCTURE, 48 INCH DIA
4	EA	DR STRUCTURE COVER, DETROIT CATCH BASIN
1	EA	DR STRUCTURE COVER, DETROIT MANHOLE
20	EA	DR STRUCTURE, ADJ, CASE 1
1050	FT	UNDERDRAIN, SUBGRADE, 6 INCH
109	FT	SEWER, CL IV, 12 INCH, TR DET B
10	FT	CURED-IN-PLACE PIPE LINING, 12 INCH

DRIVEWAY SUMMARY THIS SHEET

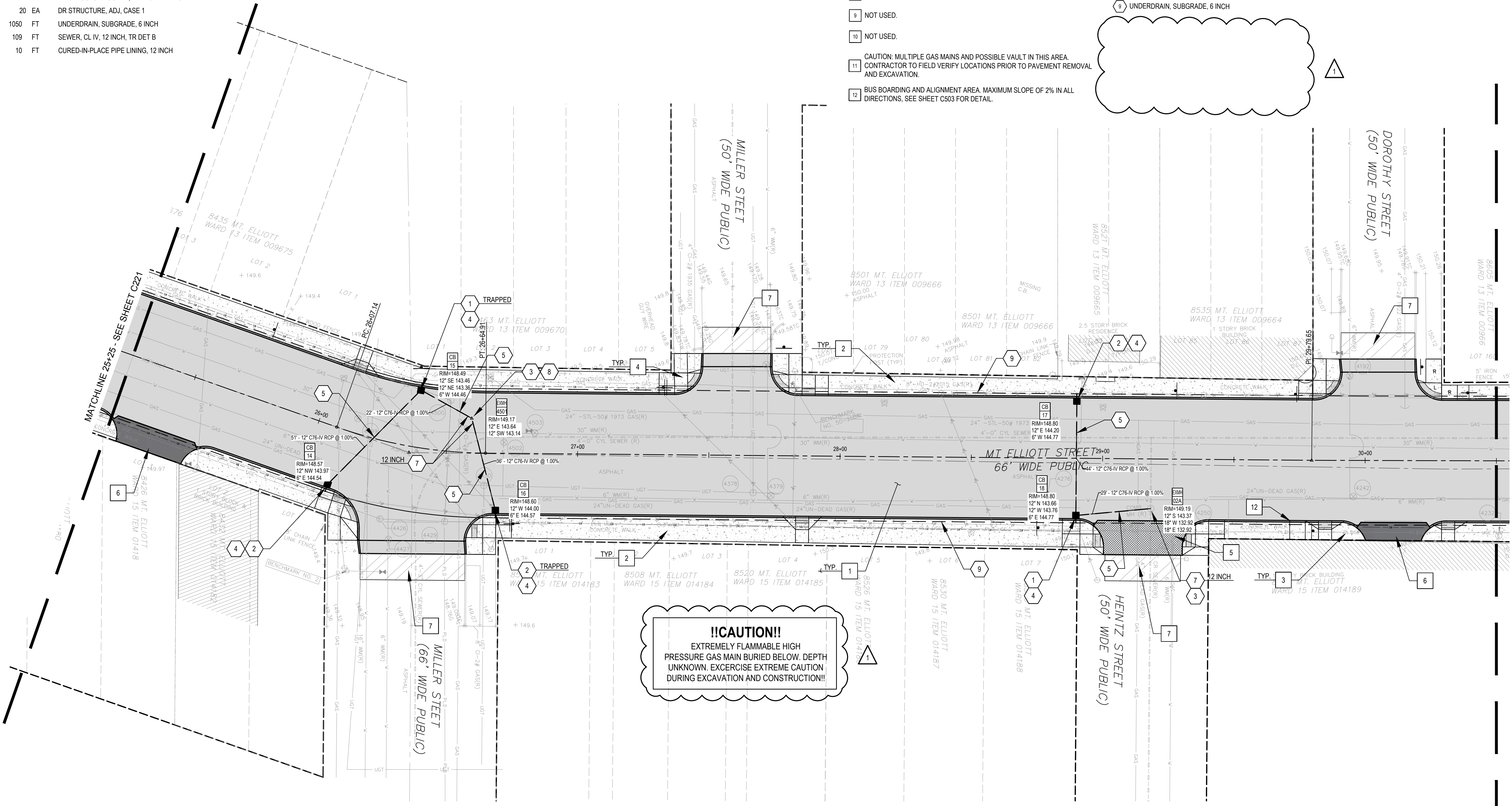
STATION	SIDE	DRIVEWAY OPENING, CONC		DRIVEWAY APPROACHES			
		WIDTH AT BACK/SWK*	*DET M	ENTERING RADIUS	EXITING RADIUS	DRIVEWAY, NONREINF, CONC, 8 INCH	DRIVEWAY, NONREINF, CONC, 10 INCH
		Ft	Ft	Ft	Ft	Syd	Syd
25+43	RT	26.2	36	10	10	31	-
29+16	RT	30	50	10	10	-	47
30+11	RT	21.2	31	10	10	19	-

CONSTRUCTION NOTES

- CONCRETE PAVT WITH INTEGRAL CURB, NONREINF, 10 INCH ON 12 INCH AGGREGATE BASE.
- SIDEWALK, CONC, 6 INCH ON 6 INCH GRANULAR CLASS II BASE.
- SIDEWALK, CONC, 8 INCH ON 6 INCH GRANULAR CLASS II BASE.
- SIDEWALK RAMP, CONC, 6 INCH ON 6 INCH GRANULAR CLASS II BASE WITH DETECTABLE WARNING SURFACE PER MDT SPECIAL DETAIL R-28-J AS MODIFIED BY THE CITY OF DETROIT. SEE SHEET C501 FOR GRADING DETAILS.
- DRIVEWAY, NONREINF CONC, 10 INCH ON 12 INCH AGGREGATE BASE. DRIVEWAY OPENING, CONC, DET M.
- DRIVEWAY, NONREINF CONC, 8 INCH ON 8 INCH AGGREGATE BASE. DRIVEWAY OPENING, CONC, DET M.
- HMA - 1.5 INCH 5E3 ON 2 INCH 4E3.
- CURB AND GUTTER, CONC, DET F4
- NOT USED.
- NOT USED.
- CAUTION: MULTIPLE GAS MAINS AND POSSIBLE VAULT IN THIS AREA. CONTRACTOR TO FIELD VERIFY LOCATIONS PRIOR TO PAVEMENT REMOVAL AND EXCAVATION.
- BUS BOARDING AND ALIGNMENT AREA. MAXIMUM SLOPE OF 2% IN ALL DIRECTIONS. SEE SHEET C503 FOR DETAIL.

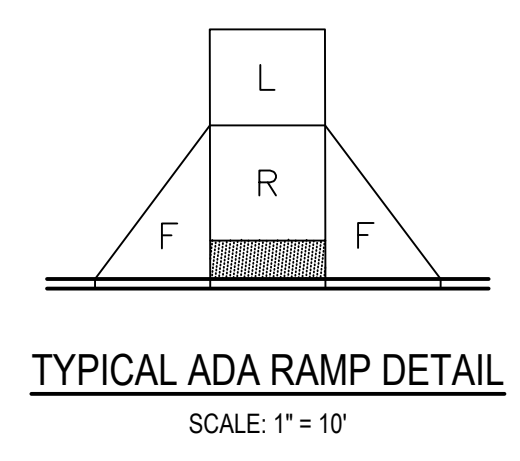
UTILITY CONSTRUCTION NOTES

- DR STRUCTURE, 48 INCH PRECAST, TRAPPED AS NOTED, 2' SUMP. SEE DETAILS ON SHEETS C500. CONNECT PROPOSED ROADWAY UNDERDRAIN TO STRUCTURE.
- DR STRUCTURE, 24 INCH PRECAST, TRAPPED AS NOTED, 2' SUMP. SEE DETAILS ON SHEETS C500. CONNECT PROPOSED ROADWAY UNDERDRAIN TO STRUCTURE.
- DR STRUCTURE COVER, TYPE DETROIT MANHOLE. SEE DETAIL ON SHEET C502.
- DR STRUCTURE COVER, TYPE DETROIT CATCH BASIN. SEE DETAIL C-502B ON SHEET C500.
- SEWER, CL IV, 12 INCH, TR DET B. MAINTAIN LOCATION AND DEPTH OF EXISTING PIPE. VERIFY UTILITY LOCATIONS IN FIELD. NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS.
- CLEAN EXISTING DRAINAGE STRUCTURE
- DR STRUCTURE, TAP, "PER PLAN" INCH
- REUSE / RECONNECT EXISTING CATCH BASIN CONNECTION. LINE EXISTING CONNECTION WITH CURED IN PLACE PIPE (CIPP).
- UNDERDRAIN, SUBGRADE, 6 INCH



!!CAUTION!!
EXTREMELY FLAMMABLE HIGH PRESSURE GAS MAIN BURIED BELOW. DEPTH UNKNOWN. EXERCISE EXTREME CAUTION DURING EXCAVATION AND CONSTRUCTION!

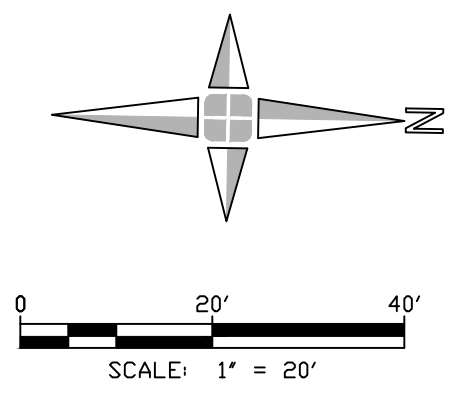
NOTE:
PROPOSED STORM UTILITIES DESIGNED WITH LIMITED FIELD AND RECORD INFORMATION AVAILABLE. CONTRACTOR TO VERIFY ALL EXISTING ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS. CONTRACTOR TO MAINTAIN MINIMUM 18 INCH CLEARANCE BETWEEN ALL EXISTING AND PROPOSED UTILITY CROSSINGS.
CONTRACTOR TO CLEAN AND FIELD VERIFY ALL EXISTING STORM SEWERS BETWEEN CATCH BASINS.



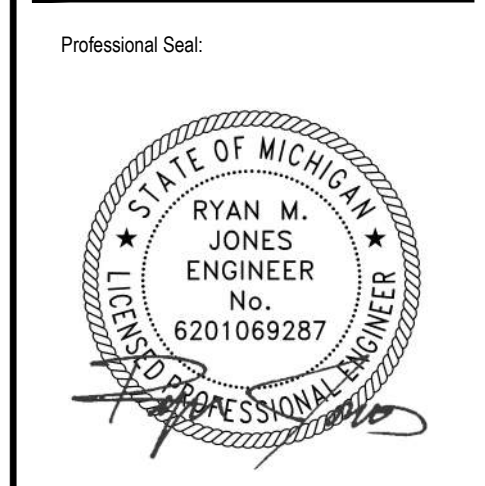
SIDEWALK RAMP LEGEND

- L SIDEWALK LANDING, 1.75% DESIGN MAX IN EACH DIRECTION OF TRAVEL.
- F SIDEWALK FLARE, 9.5% DESIGN MAX
- R SIDEWALK RAMP, 7.5% DESIGN MAX
- DETECTABLE WARNING TILE

NOTE:
ALL ADA RAMPS SHOULD FOLLOW THE MDT R-28-SERIES STANDARD PLAN SPECIFICATIONS.



Executive:	MGD
Manager:	MGD
Designer:	RMJ/AFP
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E



DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
11.18.2020	ADDENDUM 01
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

CONSTRUCTION PLAN
STA 25+25 TO 30+50
Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C231
Project:	19483.00D

Executive:	MGD
Manager:	MGD
Designer:	RMJ/AFP
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

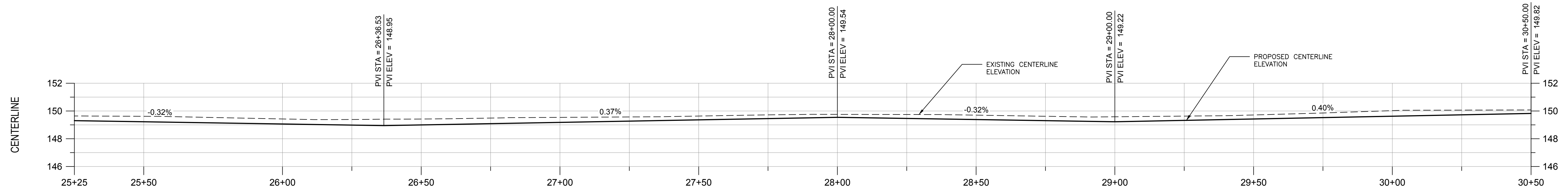
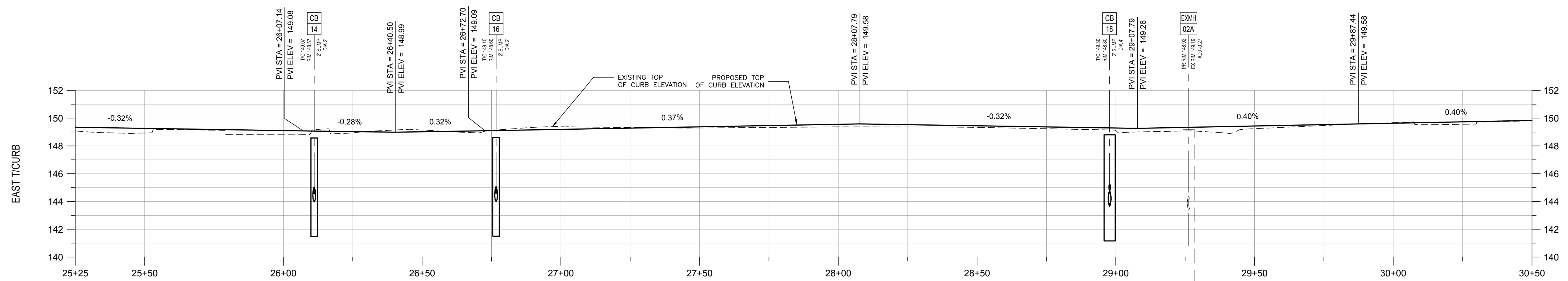
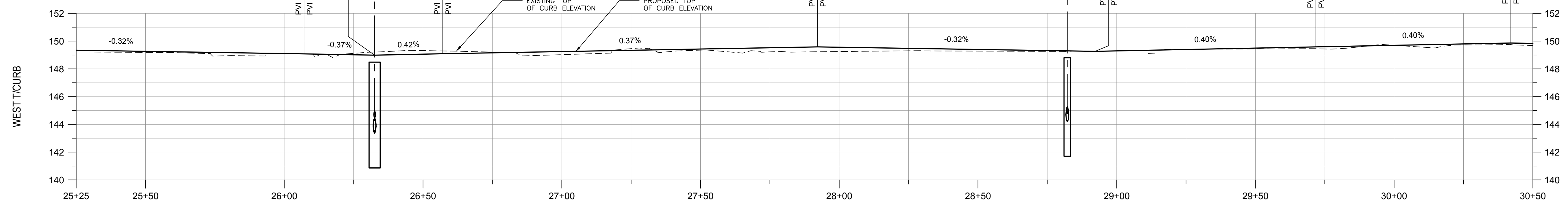
PROFILE
STA 25+25 TO 30+50

Mt Elliott Street Reconstruction
City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	SEE KEY
Sheet:	C232
Project:	19483.00D

Copyright © 2021 Giffels Webster.
No reproduction shall be made without the
prior written consent of Giffels Webster.

!!CAUTION!!
EXTREMELY FLAMMABLE HIGH
PRESSURE GAS MAIN BURIED BELOW.
DEPTH UNKNOWN. EXERCISE EXTREME
CAUTION DURING EXCAVATION AND
CONSTRUCTION!!



DEMOLITION QUANTITIES THIS SHEET

847	SYD	SIDEWALK, REM
1838	SYD	PAVT, REM
2922	SYD	HMA SURFACE, REM
64	SYD	COLD MILLING HMA SURFACE
4	EA	DR STRUCTURE, REM
1	EA	SIGN, TYPE III, REM
1100	FT	TRACK, REM

DEMOLITION LEGEND

REMOVE FULL DEPTH ASPHALT OVER CONCRETE PAVEMENT AND BASE		REMOVE OBJECT	
REMOVE FULL DEPTH CONCRETE PAVEMENT/SIDEWALK		REMOVE UTILITY STRUCTURE	
3.5 INCH DEEP, 12 FEET WIDE COLD MILLING		REMOVE UTILITY	
REMOVE FULL DEPTH CONCRETE PAVEMENT AND BASE		REMOVE FULL DEPTH CONCRETE CURB	
REMOVE FULL DEPTH ASPHALT OVER CONCRETE PAVEMENT, RAIL CAR TRACKS, AND BASE MATERIAL			

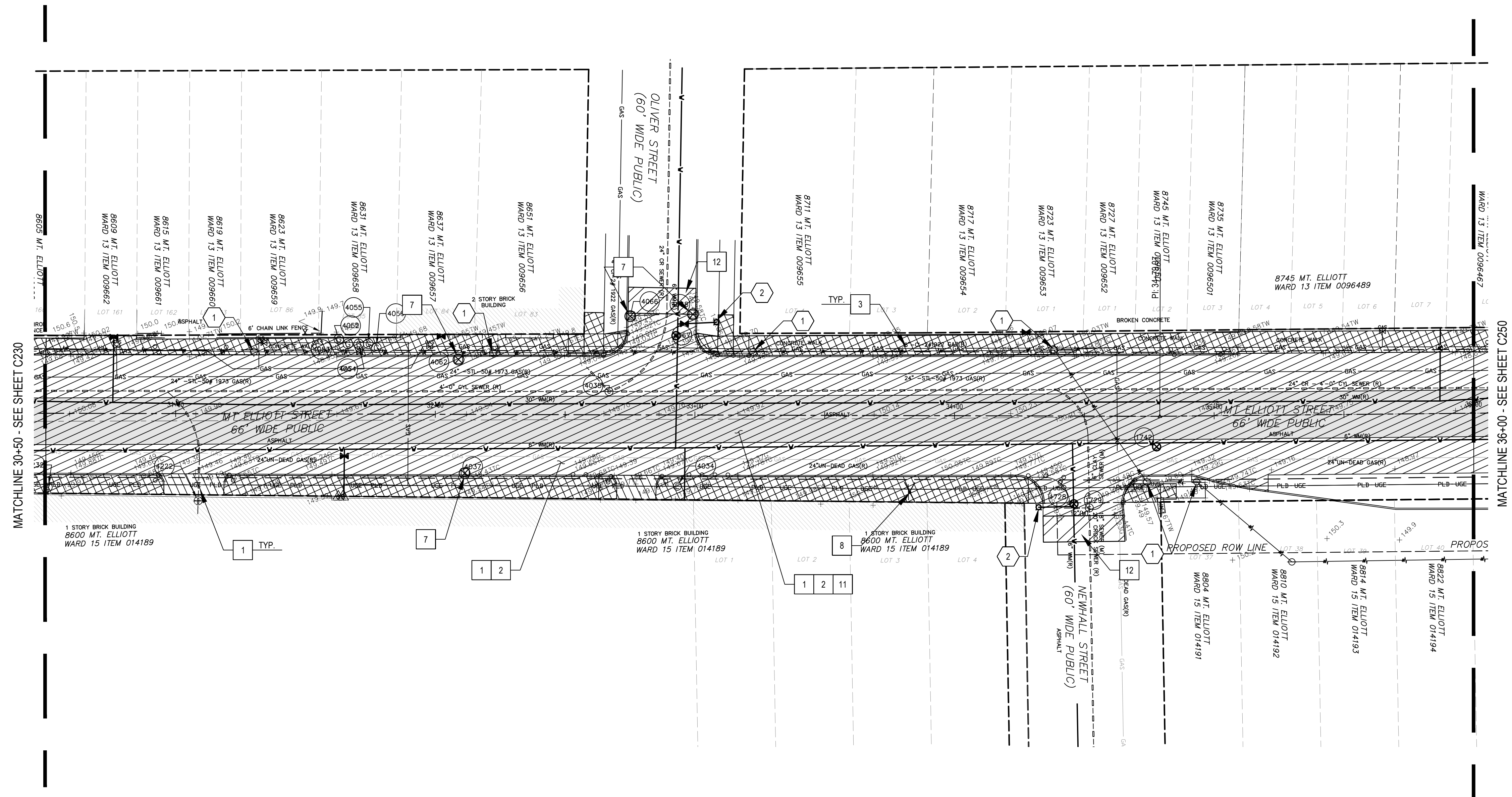
DEMOLITION NOTES

- SAWCUT FULL DEPTH AND REMOVE EXISTING ROADWAY PAVEMENT INCLUDING EXISTING CURB.
- REMOVE EXISTING HMA PAVEMENT ON CONCRETE PAVEMENT.
- SAWCUT FULL DEPTH AND REMOVE EXISTING SIDEWALK 6 INCHES THICK OR LESS.
- REMOVE EXISTING TREE.
- REMOVE MISCELLANEOUS OBJECT. PAID FOR AS STATION GRADING.
- SALVAGE EXISTING FIRE HYDRANT, GATE VALVE, AND GATE BOX. SEE CONSTRUCTION PLANS FOR FINAL LOCATION.
- REMOVE EXISTING CATCH BASIN. EXISTING LEAD WILL BE USED FOR PROPOSED CATCH BASIN TO BE INSTALLED LATER.
- REMOVE EXISTING SIGN AND CORRESPONDING POST OR BAND CONNECTION.
- REMOVE EXISTING POLE, PARTS, AND CONNECTIONS ATTACHED TO UTILITY POLE. REMOVAL OF ANY SIGNS PAID SEPARATELY.
- CAUTION: MULTIPLE GAS MAINS AND POSSIBLE VAULT IN THIS AREA. CONTRACTOR TO FIELD VERIFY LOCATIONS PRIOR TO PAVEMENT REMOVAL AND EXCAVATION.
- REMOVE EXISTING RAILWAY TRACKS BENEATH THE EXISTING PAVEMENT INCLUDING RAILS, TIES, ANY CONCRETE ENCASEMENT, AND OTHER RELATED ITEMS. CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF TRACKS.

12 COLD MILL EXISTING HMA PAVEMENT 3.5 INCHES DEEP.

PROTECT-IN-PLACE NOTES

- PROTECT-IN-PLACE EXISTING UTILITY POLE
- PROTECT-IN-PLACE EXISTING HYDRANT



CONSTRUCTION QUANTITIES THIS SHEET

2769	SYD	CONC PAVT WITH INTEGRAL CURB, NONREINF, 10 INCH
102	SYD	DRIVEWAY, NONREINF CONC, 8 INCH
141	FT	DRIVEWAY OPENING, CONC, DET M
6116	SFT	SIDEWALK, CONC, 6 INCH
758	SFT	SIDEWALK RAMP, CONC, 6 INCH
4	TON	HMA, 4E3
6	TON	HMA, 5E3
48	FT	DETECTABLE WARNING SURFACE
102	SYD	AGGREGATE BASE, 8 INCH
2769	SYD	AGGREGATE BASE, 12 INCH
124	CYD	GRANULAR MATERIAL, CL II
2	EA	DR STRUCTURE, 48 INCH DIA
2	EA	DR STRUCTURE COVER, DETROIT CATCH BASIN
2	EA	DR STRUCTURE COVER, DETROIT MANHOLE
6	EA	DR STRUCTURE, ADJ, CASE 1
1100	FT	UNDERDRAIN, SUBGRADE, 6 INCH
44	FT	SEWER, CL IV, 12 INCH, TR DET B
124	FT	CURED-IN-PLACE PIPE LINING, 12 INCH

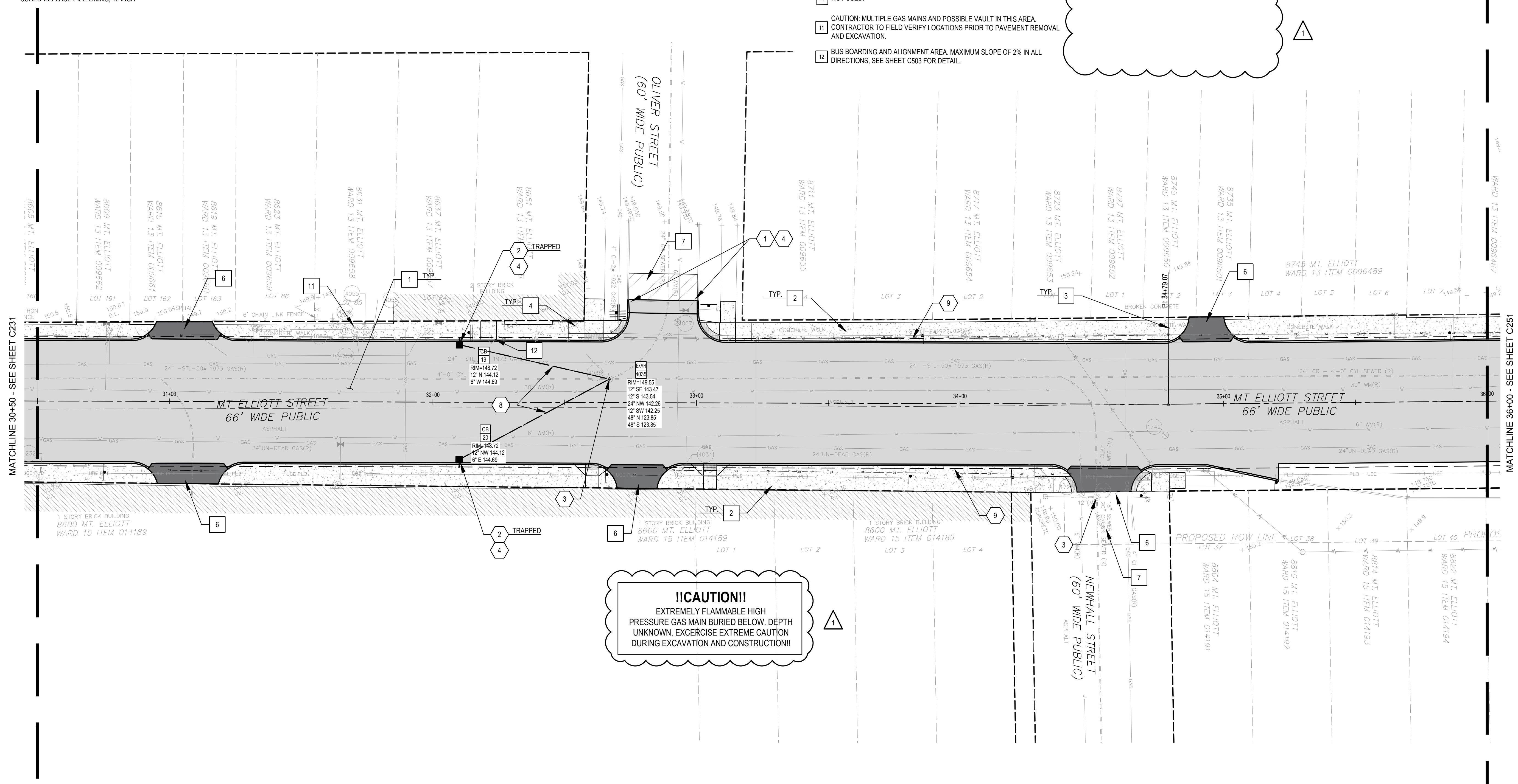
DRIVEWAY SUMMARY THIS SHEET						
STATION	SIDE	DRIVEWAY OPENING, CONC		DRIVEWAY APPROACHES		
		WIDTH AT BACK/SWK*	*DET M	ENTERING RADIUS	EXITING RADIUS	DRIVEWAY, NONREINF, CONC, 8 INCH
		Ft	Ft	Ft	Ft	Syd
31+06	LFT	21.2	31	10	10	18
31+07	RT	23.2	33	10	10	23
32+78	RT	15.2	25	10	10	19
34+55	RT	20.4	41	10	10	26
34+94	LFT	13.2	23	10	10	18

CONSTRUCTION NOTES

- CONCRETE PAVT WITH INTEGRAL CURB, NONREINF, 10 INCH ON 12 INCH AGGREGATE BASE.
- SIDEWALK, CONC, 6 INCH ON 6 INCH GRANULAR CLASS II BASE.
- SIDEWALK, CONC, 8 INCH ON 6 INCH GRANULAR CLASS II BASE.
- SIDEWALK RAMP, CONC, 6 INCH ON 6 INCH GRANULAR CLASS II BASE WITH DETECTABLE WARNING SURFACE PER MDOT SPECIAL DETAIL R-28-J AS MODIFIED BY THE CITY OF DETROIT. SEE SHEET C501 FOR GRADING DETAILS.
- DRIVEWAY, NONREINF CONC, 10 INCH ON 12 INCH AGGREGATE BASE. DRIVEWAY OPENING, CONC, DET M.
- DRIVEWAY, NONREINF CONC, 8 INCH ON 8 INCH AGGREGATE BASE. DRIVEWAY OPENING, CONC, DET M.
- HMA - 1.5 INCH 5E3 ON 2 INCH 4E3.
- CURB AND GUTTER, CONC, DET F4
- NOT USED.
- NOT USED.
- CAUTION: MULTIPLE GAS MAINS AND POSSIBLE VAULT IN THIS AREA. CONTRACTOR TO FIELD VERIFY LOCATIONS PRIOR TO PAVEMENT REMOVAL AND EXCAVATION.
- BUS BOARDING AND ALIGNMENT AREA, MAXIMUM SLOPE OF 2% IN ALL DIRECTIONS, SEE SHEET C503 FOR DETAIL.

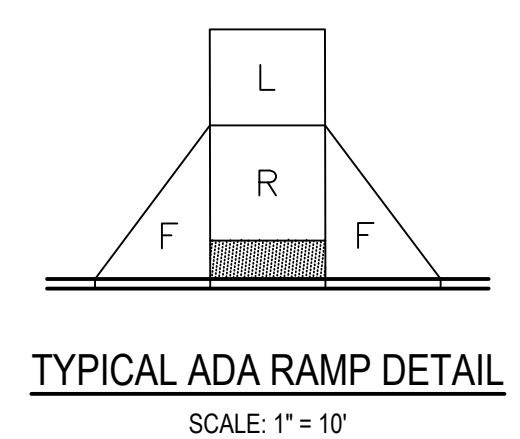
UTILITY CONSTRUCTION NOTES

- DR STRUCTURE, 48 INCH PRECAST, TRAPPED AS NOTED, 2 SUMP. SEE DETAILS ON SHEETS C500. CONNECT PROPOSED ROADWAY UNDERDRAIN TO STRUCTURE.
- DR STRUCTURE, 24 INCH PRECAST, TRAPPED AS NOTED, 2 SUMP. SEE DETAILS ON SHEETS C500. CONNECT PROPOSED ROADWAY UNDERDRAIN TO STRUCTURE.
- DR STRUCTURE COVER, TYPE DETROIT MANHOLE. SEE DETAIL ON SHEET C502.
- DR STRUCTURE COVER, TYPE DETROIT CATCH BASIN. SEE DETAIL C-5028 ON SHEET C500.
- SEWER, CL IV, 12 INCH, TR DET B. MAINTAIN LOCATION AND DEPTH OF EXISTING PIPE. VERIFY UTILITY LOCATIONS IN FIELD. NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS
- CLEAN EXISTING DRAINAGE STRUCTURE
- DR STRUCTURE, TAP, "PER PLAN" INCH
- REUSE / RECONNECT EXISTING CATCH BASIN CONNECTION LINE EXISTING CONNECTION WITH CURED IN PLACE PIPE (CIPP).
- UNDERDRAIN, SUBGRADE, 6 INCH



!!CAUTION!!
EXTREMELY FLAMMABLE HIGH PRESSURE GAS MAIN BURIED BELOW. DEPTH UNKNOWN. EXERCISE EXTREME CAUTION DURING EXCAVATION AND CONSTRUCTION!

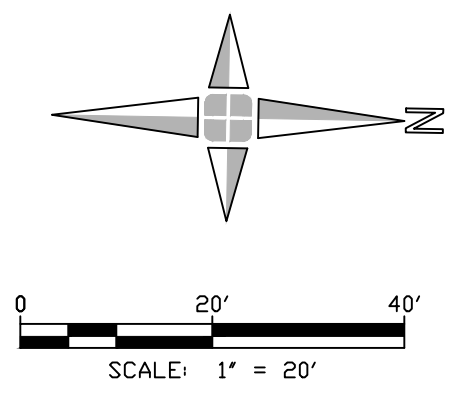
NOTE:
PROPOSED STORM UTILITIES DESIGNED WITH LIMITED FIELD AND RECORD INFORMATION AVAILABLE. CONTRACTOR TO VERIFY ALL EXISTING ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS. CONTRACTOR TO MAINTAIN MINIMUM 18 INCH CLEARANCE BETWEEN ALL EXISTING AND PROPOSED UTILITY CROSSINGS.
CONTRACTOR TO CLEAN AND FIELD VERIFY ALL EXISTING STORM SEWERS BETWEEN CATCH BASINS.



SIDEWALK RAMP LEGEND

- L SIDEWALK LANDING, 1.75% DESIGN MAX IN EACH DIRECTION OF TRAVEL.
- F SIDEWALK FLARE, 9.5% DESIGN MAX
- R SIDEWALK RAMP, 7.5% DESIGN MAX
- [Symbol] DETECTABLE WARNING TILE

NOTE:
ALL ADA RAMPS SHOULD FOLLOW THE MDOT R-28-SERIES STANDARD PLAN SPECIFICATIONS.



Executive:	MGD
Manager:	MGD
Designer:	RMJ/AFP
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E



DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
11.18.2020	ADDENDUM 01
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

CONSTRUCTION PLAN
STA 30+50 TO 36+00
Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C241
Project:	19483.00D

Executive:	MGD
Manager:	MGD
Designer:	RMJ/AFP
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

PROFILE
STA 30+50 TO 36+00

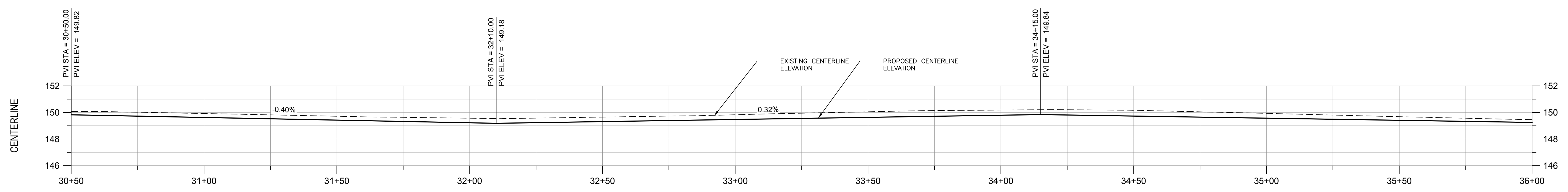
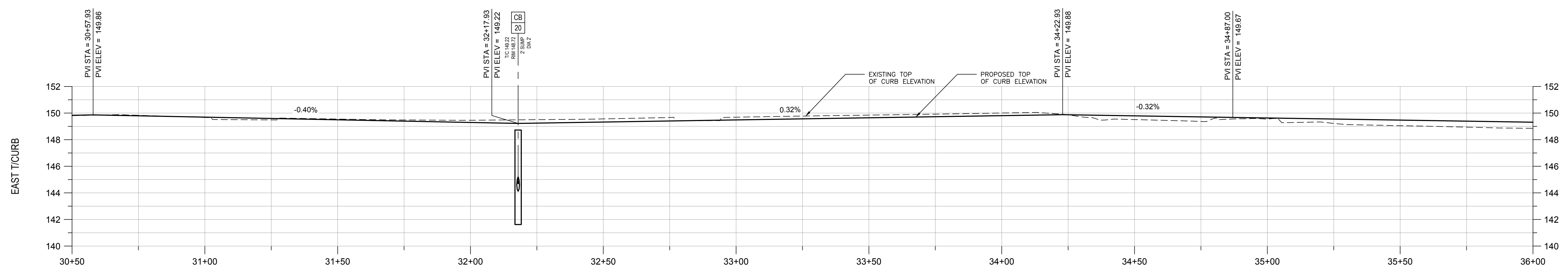
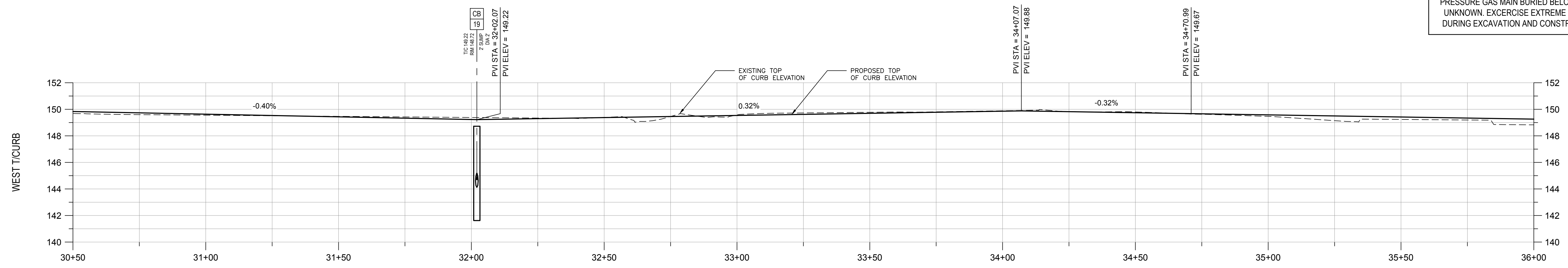
Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	SEE KEY
Sheet:	C242
Project:	19483.00D

Copyright © 2021 Giffels Webster. No reproduction or use without the prior written consent of Giffels Webster.

!!CAUTION!!
EXTREMELY FLAMMABLE HIGH
PRESSURE GAS MAIN BURIED BELOW. DEPTH
UNKNOWN. EXERCISE EXTREME CAUTION
DURING EXCAVATION AND CONSTRUCTION!!



DEMOLITION QUANTITIES THIS SHEET

280	SYD	SIDEWALK, REM
1215	SYD	PAVT, REM
1915	SYD	HMA SURFACE, REM
113	SYD	COLD MILLING HMA SURFACE
2	EA	DR STRUCTURE, REM
3	EA	SIGN, TYPE III, REM
700	FT	TRACK, REM

DEMOLITION LEGEND

REMOVE FULL DEPTH ASPHALT OVER CONCRETE PAVEMENT AND BASE		REMOVE OBJECT	X
REMOVE FULL DEPTH CONCRETE PAVEMENT/SIDEWALK		REMOVE UTILITY STRUCTURE	⊗
3.5 INCH DEEP, 12 FEET WIDE COLD MILLING		REMOVE UTILITY	X · X · X · X · X · X · X · X ·
REMOVE FULL DEPTH CONCRETE PAVEMENT AND BASE		REMOVE FULL DEPTH CONCRETE CURB	~~~~~
REMOVE FULL DEPTH ASPHALT OVER CONCRETE PAVEMENT, RAIL CAR TRACKS, AND BASE MATERIAL			

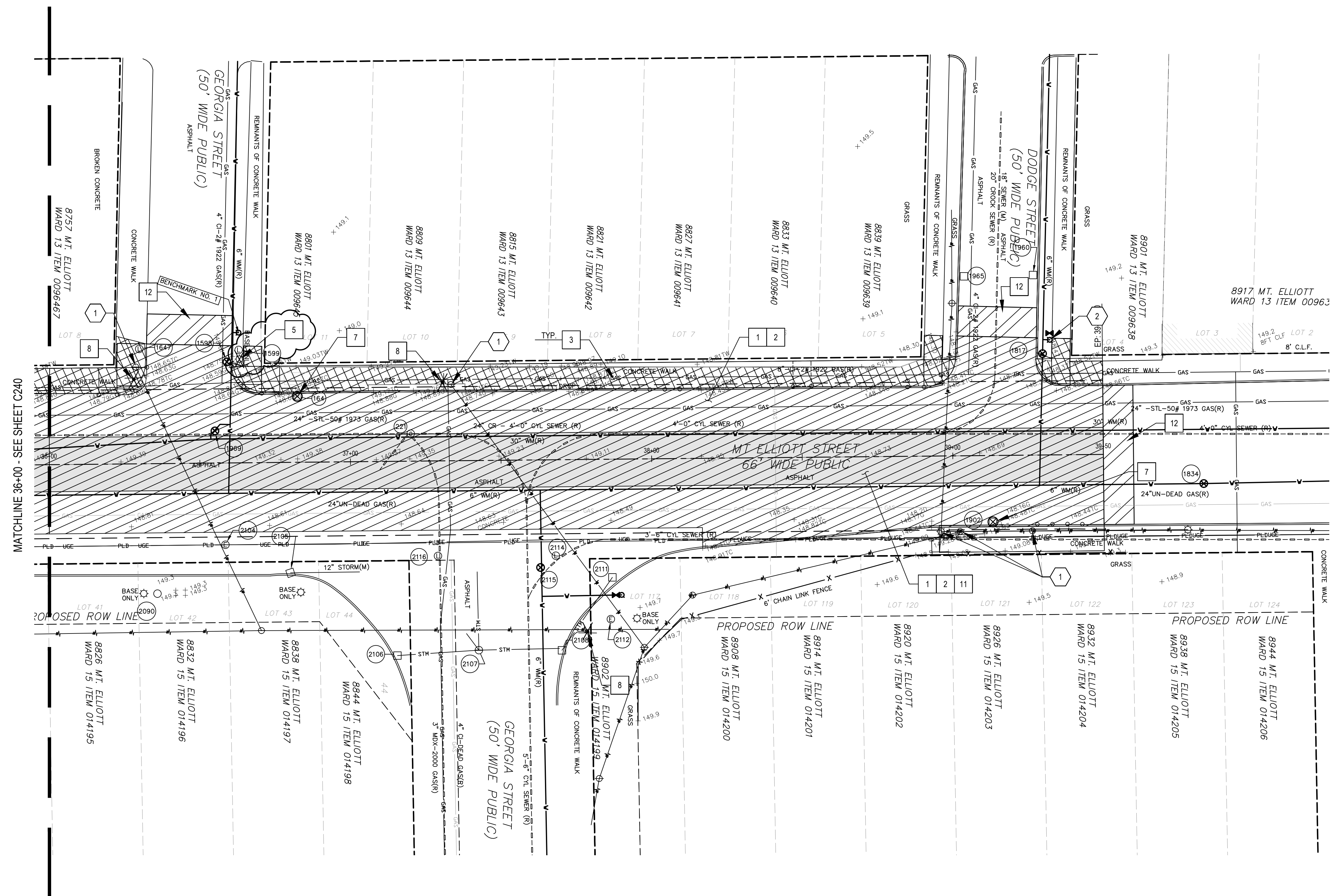
DEMOLITION NOTES

- SAWCUT FULL DEPTH AND REMOVE EXISTING ROADWAY PAVEMENT INCLUDING EXISTING CURB.
- REMOVE EXISTING HMA PAVEMENT ON CONCRETE PAVEMENT.
- SAWCUT FULL DEPTH AND REMOVE EXISTING SIDEWALK 6 INCHES THICK OR LESS.
- REMOVE EXISTING TREE.
- REMOVE MISCELLANEOUS OBJECT. PAID FOR AS STATION GRADING.
- SALVAGE EXISTING FIRE HYDRANT, GATE VALVE, AND GATE BOX. SEE CONSTRUCTION PLANS FOR FINAL LOCATION.
- REMOVE EXISTING CATCH BASIN. EXISTING LEAD WILL BE USED FOR PROPOSED CATCH BASIN TO BE INSTALLED LATER.
- REMOVE EXISTING SIGN AND CORRESPONDING POST OR BAND CONNECTION.
- REMOVE EXISTING POLE, PARTS, AND CONNECTIONS ATTACHED TO UTILITY POLE. REMOVAL OF ANY SIGNS PAID SEPARATELY.
- CAUTION: MULTIPLE GAS MAINS AND POSSIBLE VAULT IN THIS AREA. CONTRACTOR TO FIELD VERIFY LOCATIONS PRIOR TO PAVEMENT REMOVAL AND EXCAVATION.
- REMOVE EXISTING RAILWAY TRACKS BENEATH THE EXISTING PAVEMENT INCLUDING RAILS, TIES, ANY CONCRETE ENCASUREMENT, AND OTHER RELATED ITEMS. CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF TRACKS.

12 COLD MILL EXISTING HMA PAVEMENT 3.5 INCHES DEEP.

PROTECT-IN-PLACE NOTES

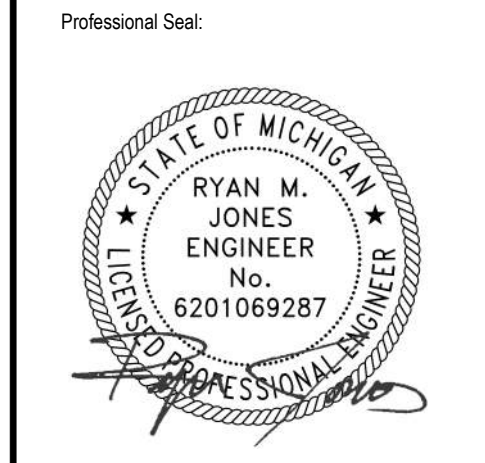
- PROTECT-IN-PLACE EXISTING UTILITY POLE
- PROTECT-IN-PLACE EXISTING HYDRANT



Engineers
Surveyors
Planners
Landscape Architects

28 West Adams Road
Suite 1200
Detroit, MI 48226
p (313) 962-4442
f (313) 962-5068
www.giffelswebster.com

Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E



DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

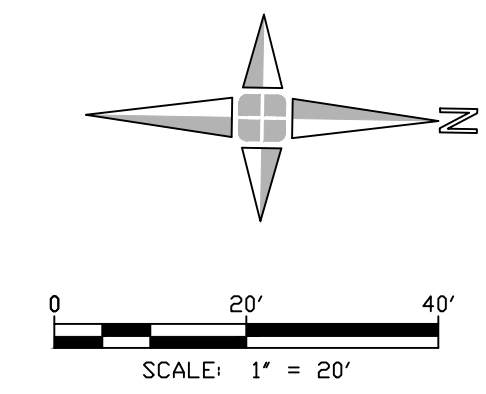
Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

REMOVAL PLAN
STA 36+00 TO 39+50

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C250
Project:	19483.00D



CONSTRUCTION QUANTITIES THIS SHEET

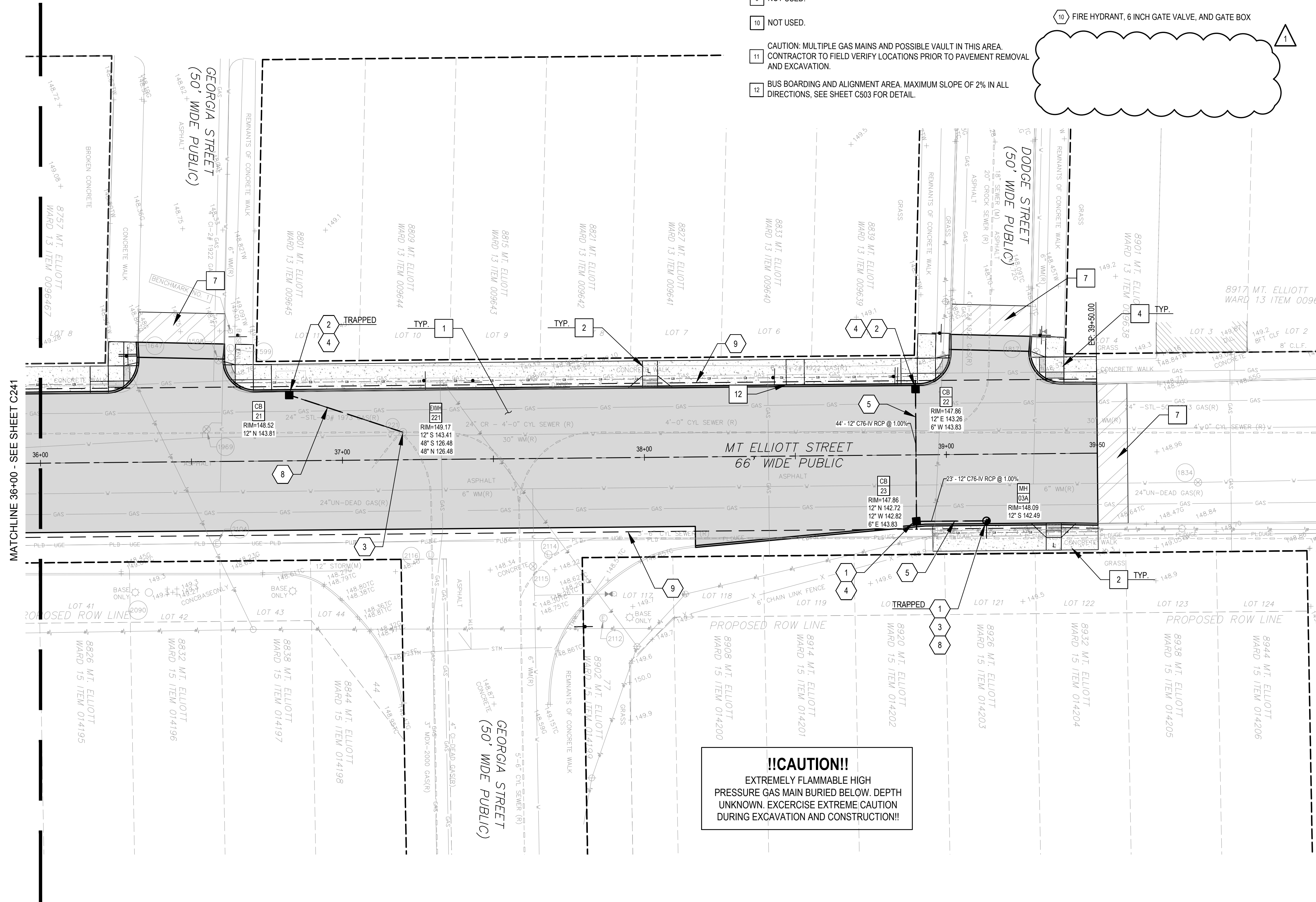
1776	SYD	CONC PAVT WITH INTEGRAL CURB, NONREINF, 10 INCH
3052	SFT	SIDEWALK, CONC, 6 INCH
816	SFT	SIDEWALK RAMP, CONC, 6 INCH
5	TON	HMA, 4E3
7	TON	HMA, 5E3
32	FT	DETECTABLE WARNING SURFACE
1776	SYD	AGGREGATE BASE, 12 INCH
57	CYD	GRANULAR MATERIAL, CL II
3	EA	DR STRUCTURE, 48 INCH DIA
3	EA	DR STRUCTURE COVER, DETROIT CATCH BASIN
1	EA	DR STRUCTURE COVER, DETROIT MANHOLE
4	EA	DR STRUCTURE, ADJ, CASE 1
700	FT	UNDERDRAIN, SUBGRADE, 6 INCH
56	FT	SEWER, CL IV, 12 INCH, TR DET B
57	FT	CURED-IN-PLACE PIPE LINING, 12 INCH

CONSTRUCTION NOTES

- 1 CONCRETE PAVT WITH INTEGRAL CURB, NONREINF, 10 INCH ON 12 INCH AGGREGATE BASE.
- 2 SIDEWALK, CONC, 6 INCH ON 6 INCH GRANULAR CLASS II BASE.
- 3 SIDEWALK, CONC, 8 INCH ON 6 INCH GRANULAR CLASS II BASE.
- 4 SIDEWALK RAMP, CONC, 6 INCH ON 6 INCH GRANULAR CLASS II BASE WITH DETECTABLE WARNING SURFACE PER MDT SPECIAL DETAIL R-28-J AS MODIFIED BY THE CITY OF DETROIT. SEE SHEET C501 FOR GRADING DETAILS.
- 5 DRIVEWAY, NONREINF CONC, 10 INCH ON 12 INCH AGGREGATE BASE. DRIVEWAY OPENING, CONC, DET M.
- 6 DRIVEWAY, NONREINF CONC, 8 INCH ON 8 INCH AGGREGATE BASE. DRIVEWAY OPENING, CONC, DET M.
- 7 HMA - 1.5 INCH 5E3 ON 2 INCH 4E3.
- 8 CURB AND GUTTER, CONC, DET F4
- 9 NOT USED.
- 10 NOT USED.
- 11 CAUTION: MULTIPLE GAS MAINS AND POSSIBLE VAULT IN THIS AREA. CONTRACTOR TO FIELD VERIFY LOCATIONS PRIOR TO PAVEMENT REMOVAL AND EXCAVATION.
- 12 BUS BOARDING AND ALIGNMENT AREA, MAXIMUM SLOPE OF 2% IN ALL DIRECTIONS, SEE SHEET C503 FOR DETAIL.

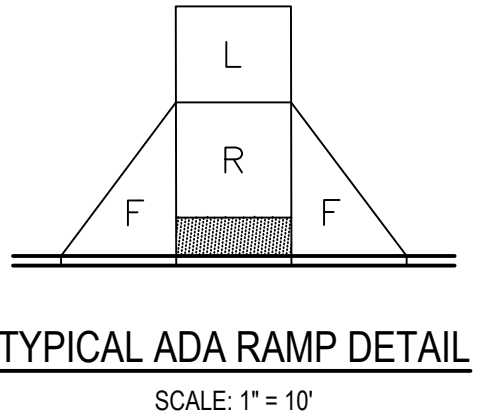
UTILITY CONSTRUCTION NOTES

- 1 DR STRUCTURE, 48 INCH PRECAST, TRAPPED AS NOTED, 2 SUMP. SEE DETAILS ON SHEETS C500. CONNECT PROPOSED ROADWAY UNDERDRAIN TO STRUCTURE.
- 2 DR STRUCTURE, 24 INCH PRECAST, TRAPPED AS NOTED, 2 SUMP. SEE DETAILS ON SHEETS C500. CONNECT PROPOSED ROADWAY UNDERDRAIN TO STRUCTURE.
- 3 DR STRUCTURE COVER, TYPE DETROIT MANHOLE. SEE DETAIL ON SHEET C502.
- 4 DR STRUCTURE COVER, TYPE DETROIT CATCH BASIN. SEE DETAIL C-5028 ON SHEET C500.
- 5 SEWER, CL IV, 12 INCH, TR DET B. MAINTAIN LOCATION AND DEPTH OF EXISTING PIPE. VERIFY UTILITY LOCATIONS IN FIELD. NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS
- 6 CLEAN EXISTING DRAINAGE STRUCTURE
- 7 DR STRUCTURE, TAP, "PER PLAN" INCH
- 8 REUSE / RECONNECT EXISTING CATCH BASIN CONNECTION. LINE EXISTING CONNECTION WITH CURED IN PLACE PIPE (CIPP).
- 9 UNDERDRAIN, SUBGRADE, 6 INCH
- 10 FIRE HYDRANT, 6 INCH GATE VALVE, AND GATE BOX



!!CAUTION!!
EXTREMELY FLAMMABLE HIGH PRESSURE GAS MAIN BURIED BELOW. DEPTH UNKNOWN. EXERCISE EXTREME CAUTION DURING EXCAVATION AND CONSTRUCTION!!

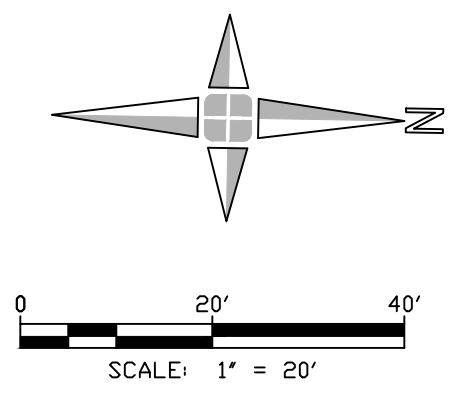
NOTE:
PROPOSED STORM UTILITIES DESIGNED WITH LIMITED FIELD AND RECORD INFORMATION AVAILABLE. CONTRACTOR TO VERIFY ALL EXISTING ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS. CONTRACTOR TO MAINTAIN MINIMUM 18 INCH CLEARANCE BETWEEN ALL EXISTING AND PROPOSED UTILITY CROSSINGS.
CONTRACTOR TO CLEAN AND FIELD VERIFY ALL EXISTING STORM SEWERS BETWEEN CATCH BASINS.



SIDEWALK RAMP LEGEND

- L SIDEWALK LANDING, 1.75% DESIGN MAX IN EACH DIRECTION OF TRAVEL.
- F SIDEWALK FLARE, 9.5% DESIGN MAX
- R SIDEWALK RAMP, 7.5% DESIGN MAX
- DETECTABLE WARNING TILE

NOTE:
ALL ADA RAMPS SHOULD FOLLOW THE MDT R-28-SERIES STANDARD PLAN SPECIFICATIONS.



Engineers
Surveyors
Planners
Landscape Architects

28 West Adams Road
Suite 1200
Detroit, MI 48226
p (313) 962-4442
f (313) 962-5068
www.giffelswebster.com

Executive:	MGD
Manager:	MGD
Designer:	RMJ/AFP
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E



DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
11.18.2020	ADDENDUM 01
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

CONSTRUCTION PLAN
STA 36+00 TO 39+50

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C251
Project:	19483.00D

Copyright © 2021 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.

Executive:	MGD
Manager:	MGD
Designer:	RMJ/AFP
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

PROFILE
STA 36+00 TO 39+50

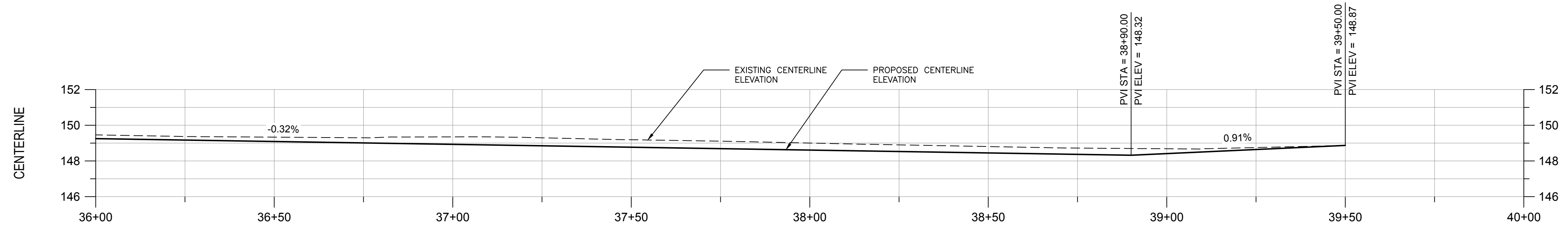
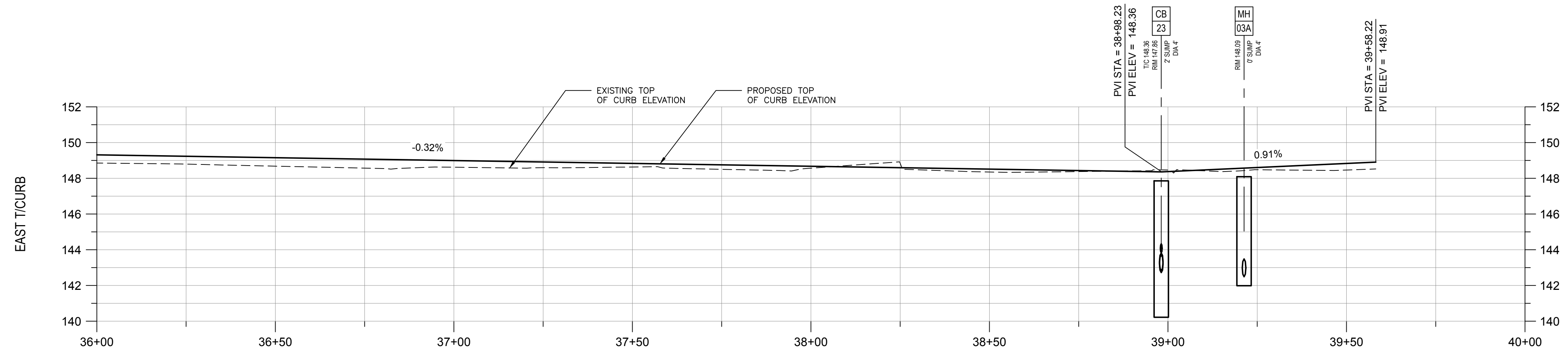
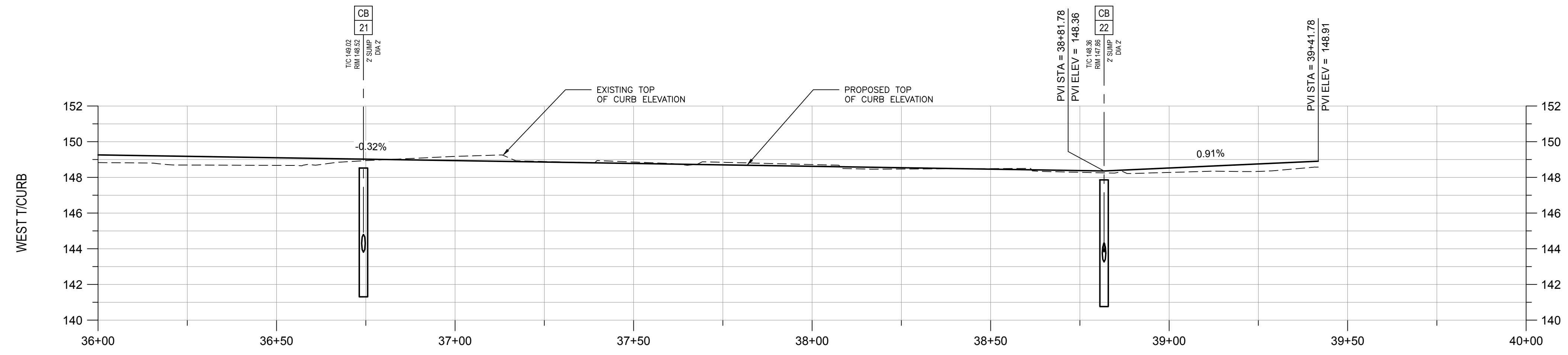
Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	SEE KEY
Sheet:	C252
Project:	19483.00D

Copyright © 2021 Giffels Webster. No reproduction or use without the prior written consent of Giffels Webster.

!!CAUTION!!
EXTREMELY FLAMMABLE HIGH
PRESSURE GAS MAIN BURIED BELOW. DEPTH
UNKNOWN. EXERCISE EXTREME CAUTION
DURING EXCAVATION AND CONSTRUCTION!!





Know what's below.
Call before you dig.

DATE:	ISSUE:
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

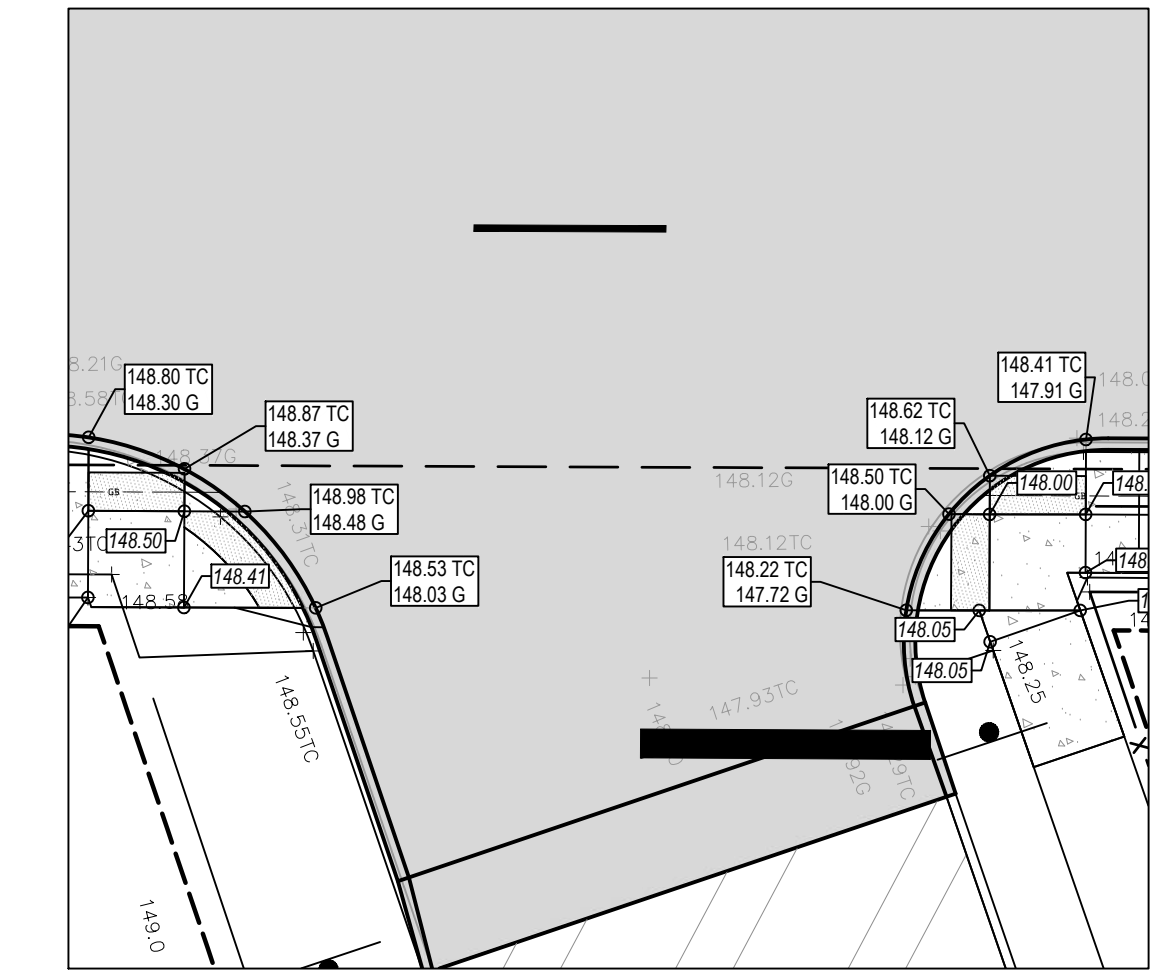
Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

**ADA RAMP
GRADING**

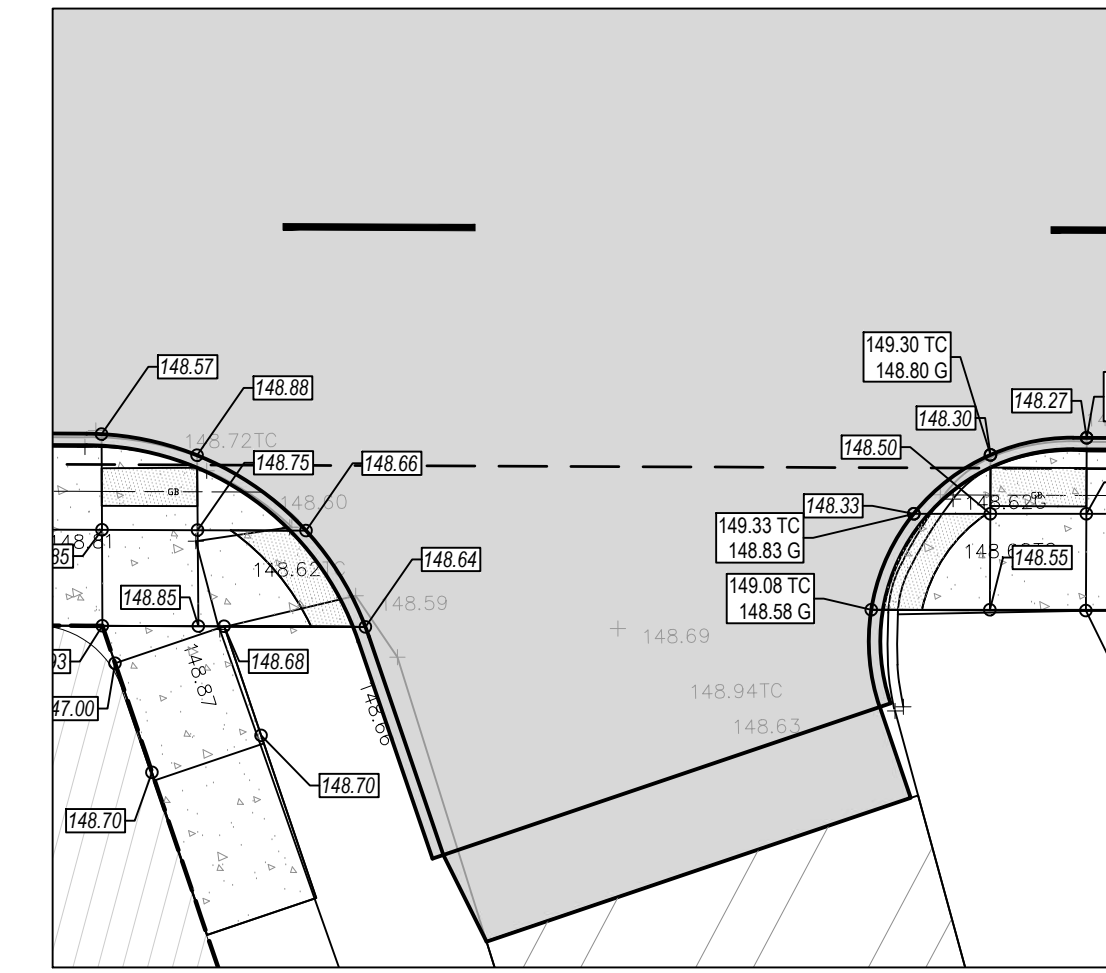
Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

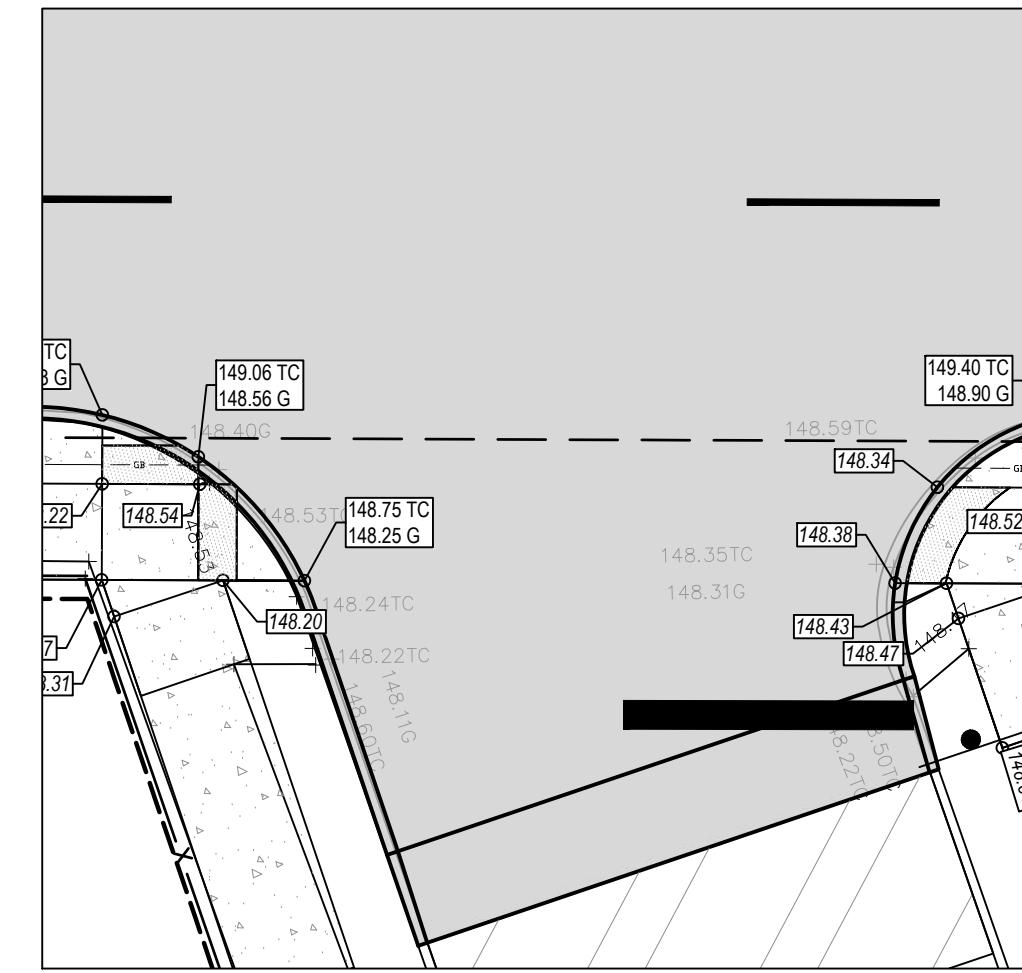
Date: 06.11.2021
Scale: 1"=10'
Sheet: C300
Project: 19483.00D



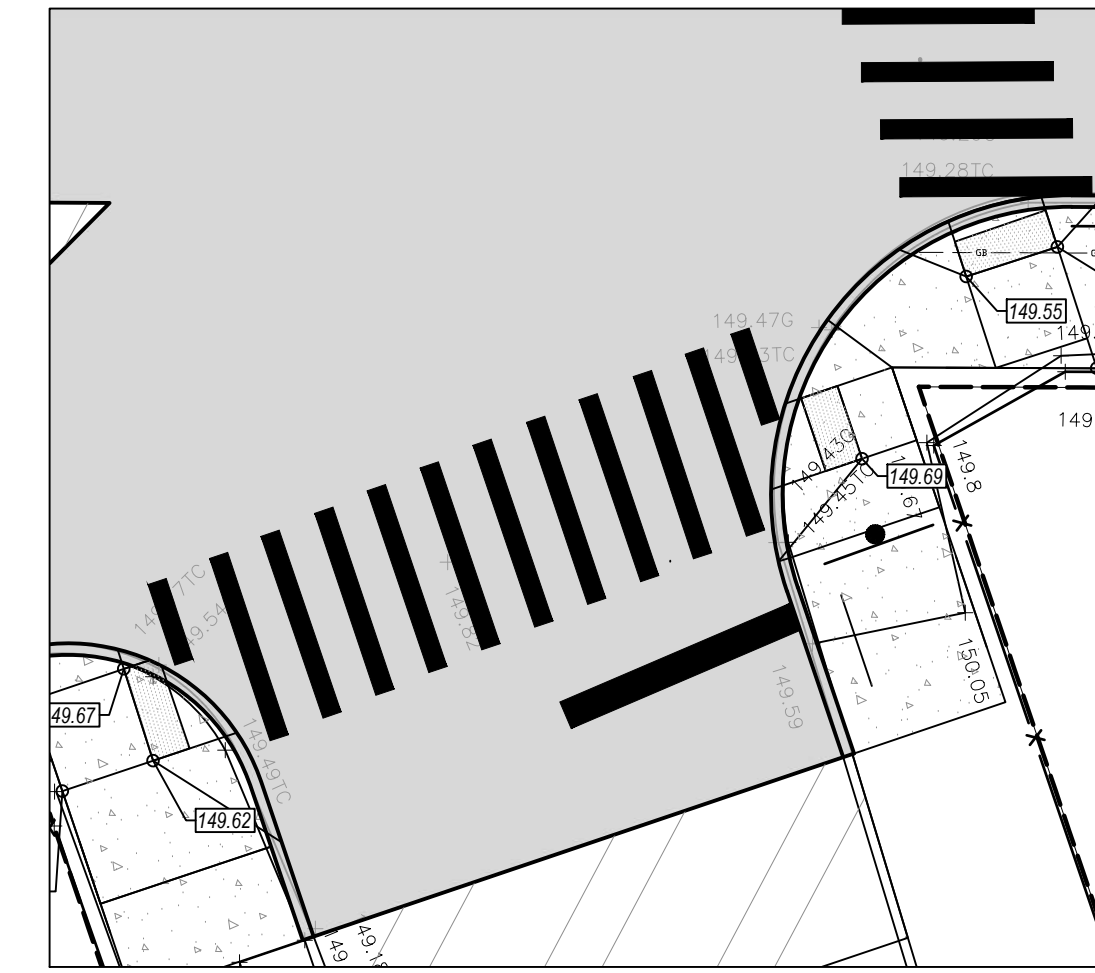
ADA RAMP GRADING DETAIL 5 - TYPE "RF"
SCALE: 1" = 10'



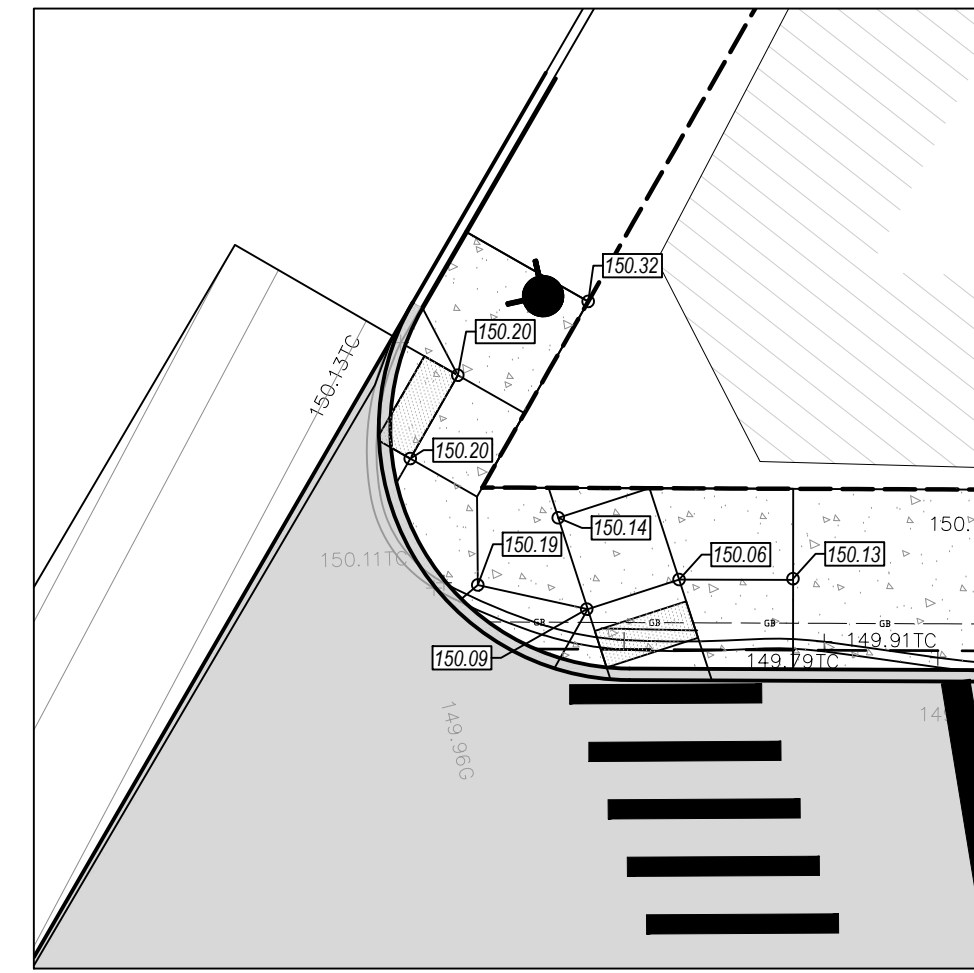
ADA RAMP GRADING DETAIL 4 - TYPE "RF"
SCALE: 1" = 10'



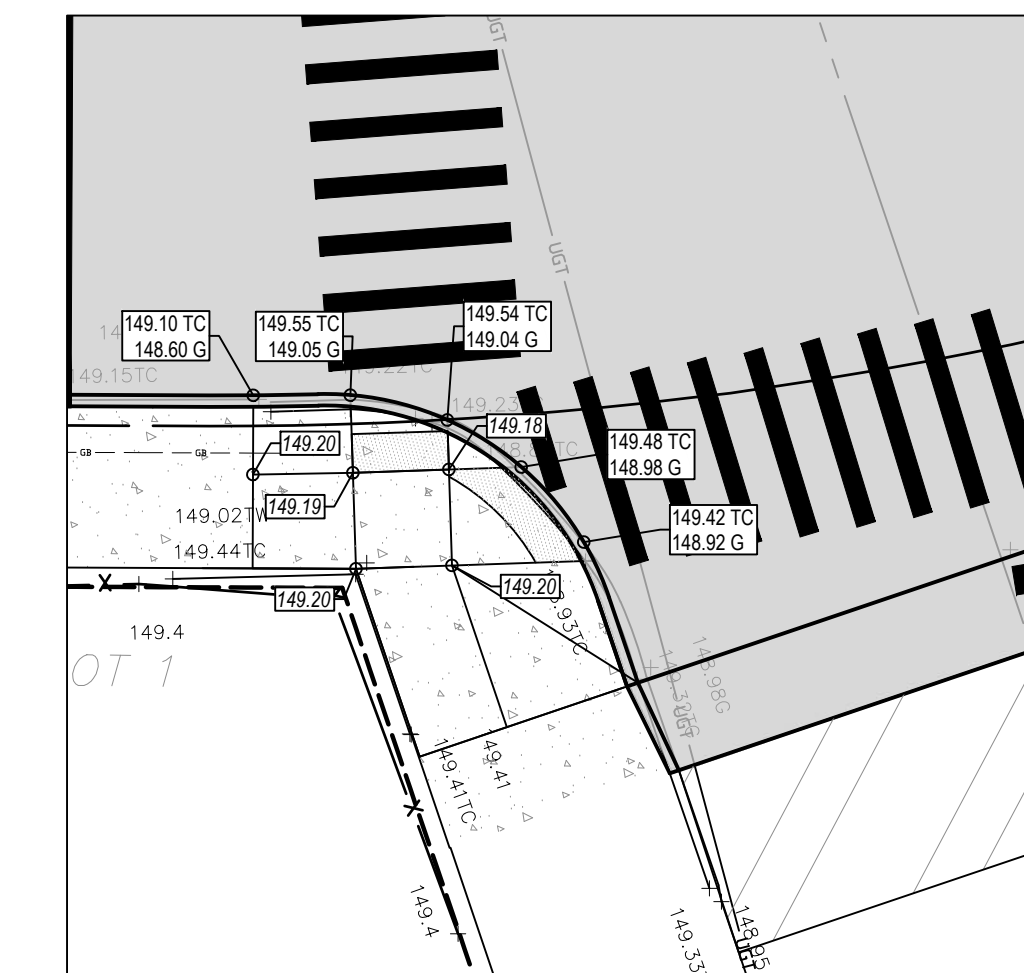
ADA RAMP GRADING DETAIL 3 - TYPE "RF"
SCALE: 1" = 10'



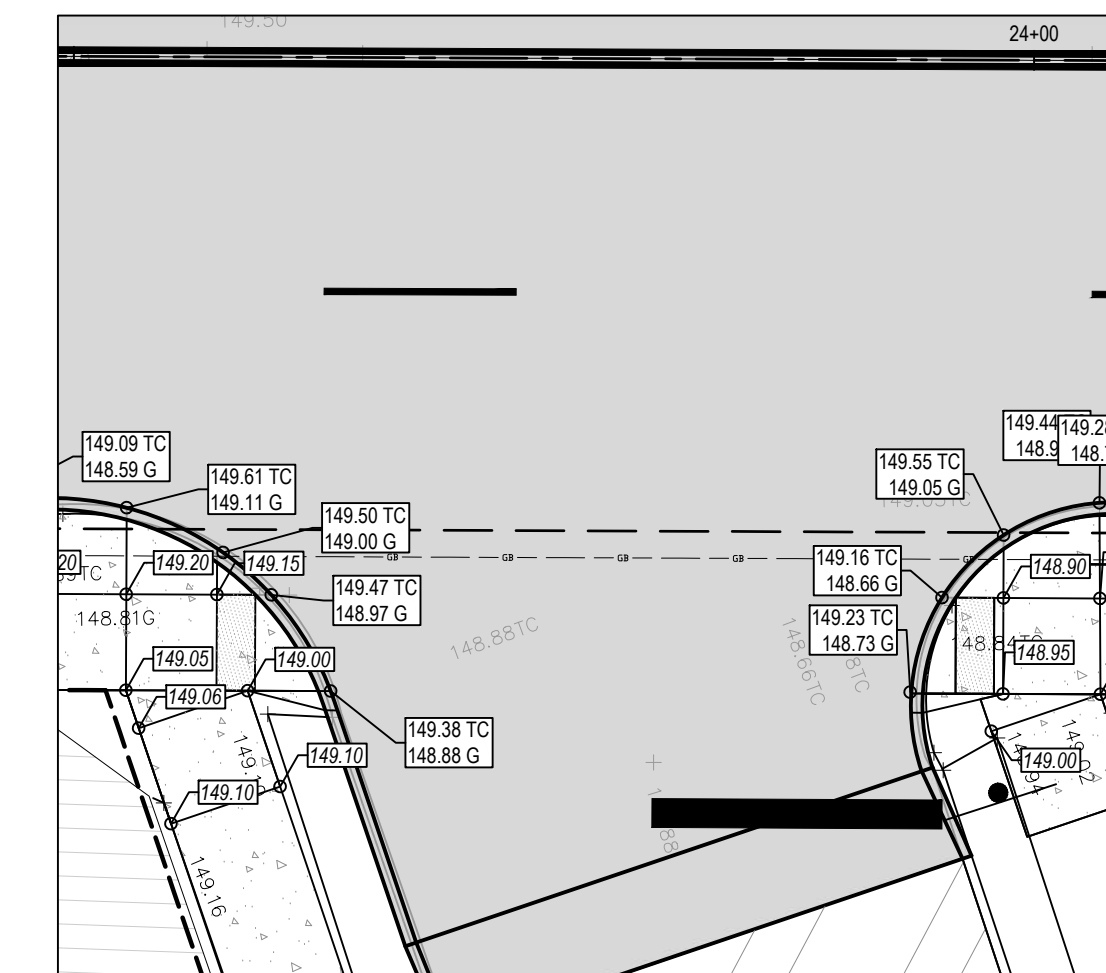
ADA RAMP GRADING DETAIL 2 - TYPE "F"
SCALE: 1" = 10'



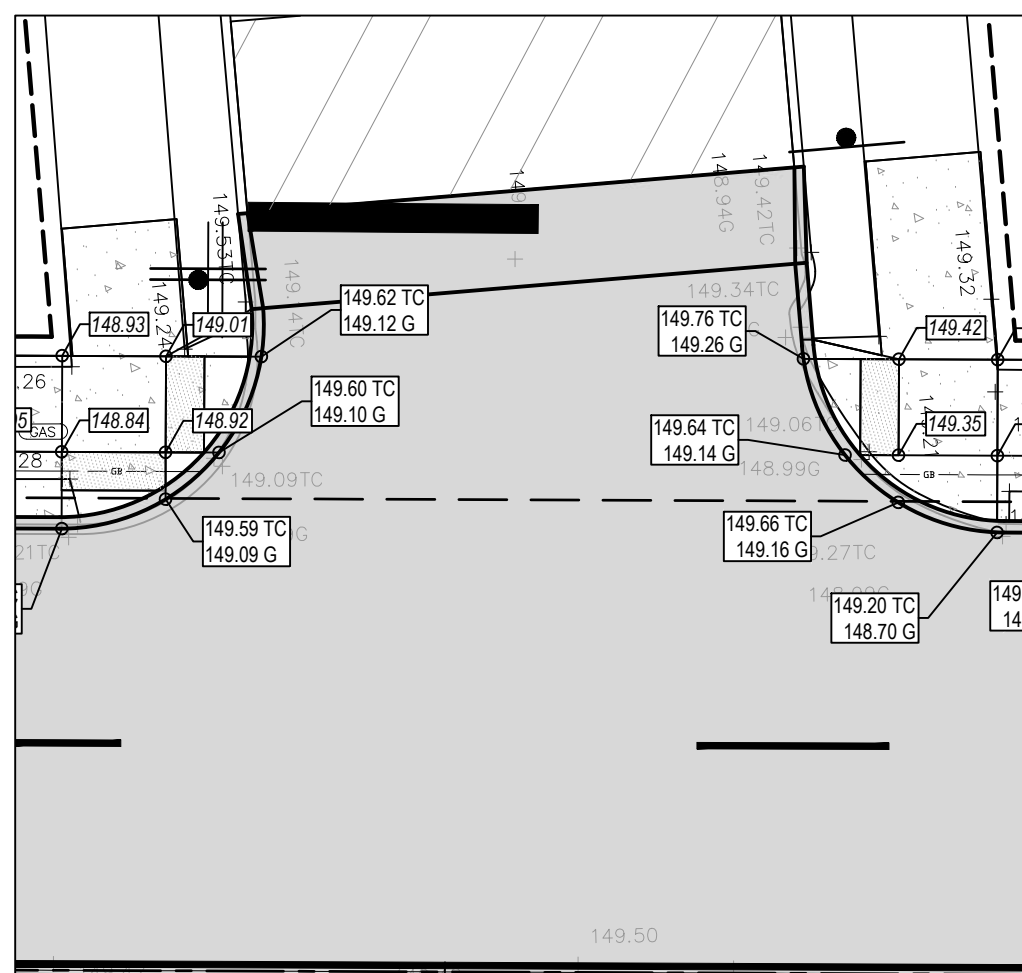
ADA RAMP GRADING DETAIL 1 - TYPE "F"
SCALE: 1" = 10'



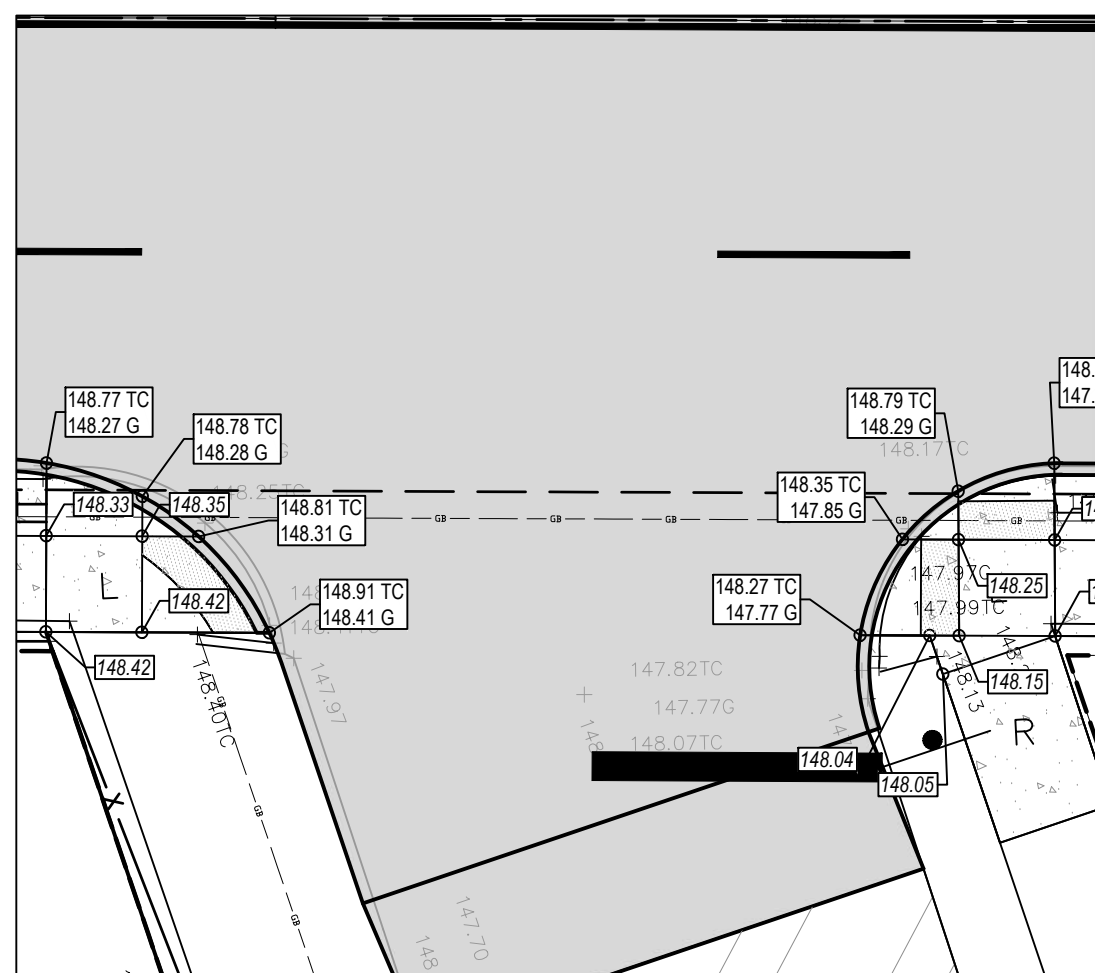
ADA RAMP GRADING DETAIL 10 - TYPE "F"
SCALE: 1" = 10'



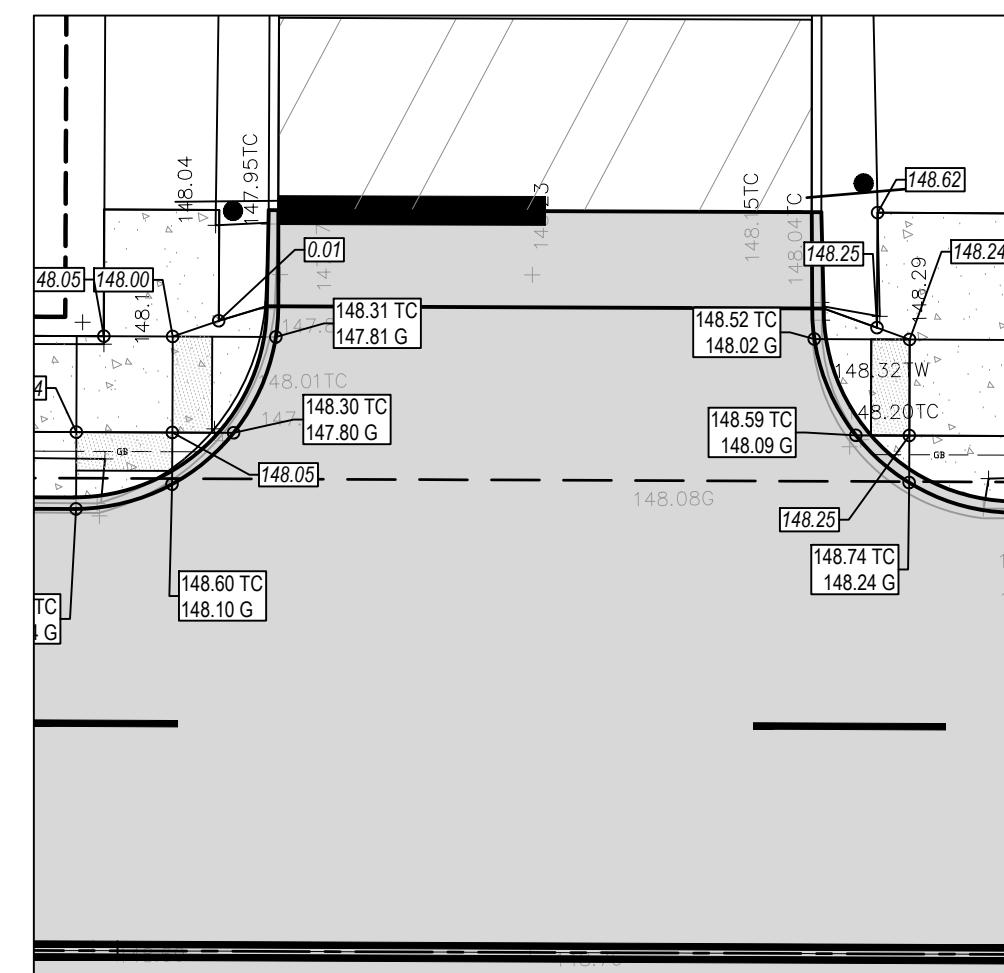
ADA RAMP GRADING DETAIL 9 - TYPE "RF"
SCALE: 1" = 10'



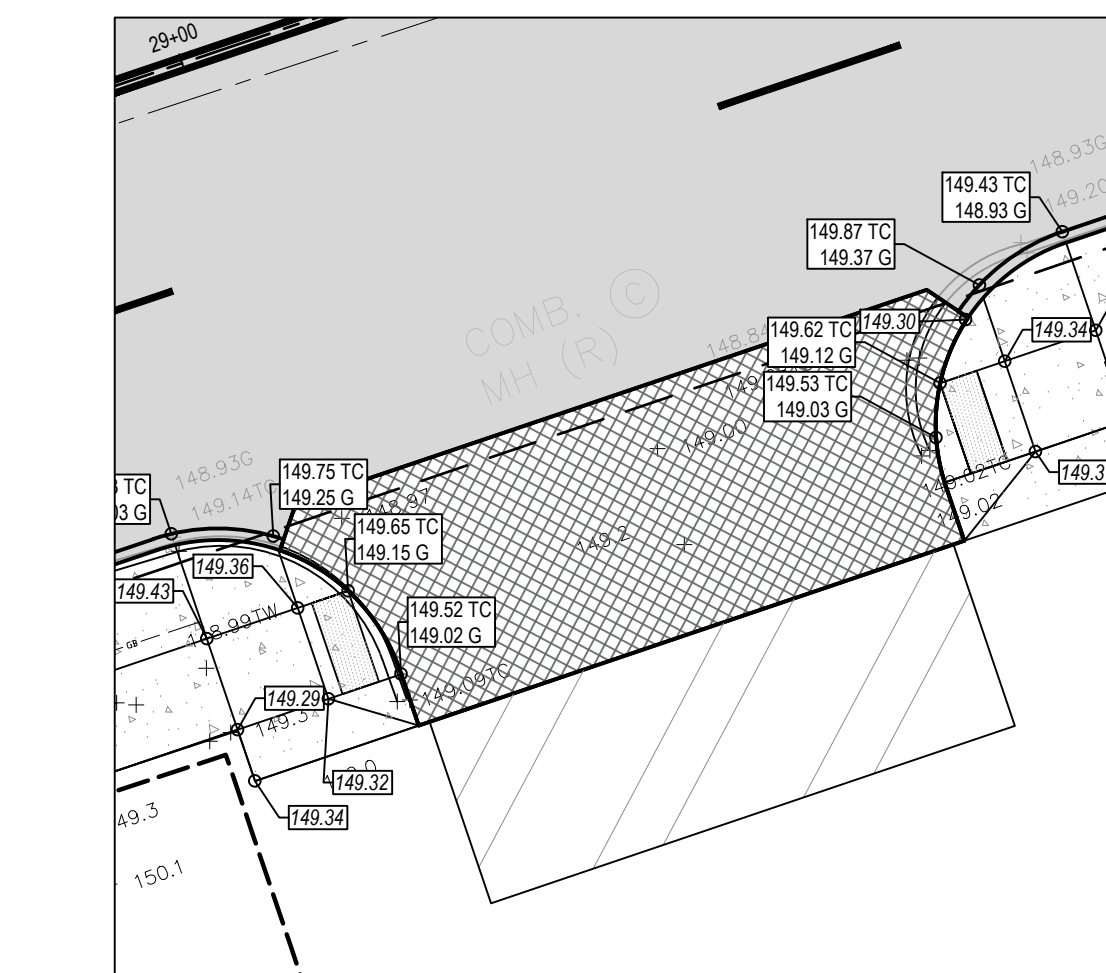
ADA RAMP GRADING DETAIL 8 - TYPE "RF"
SCALE: 1" = 10'



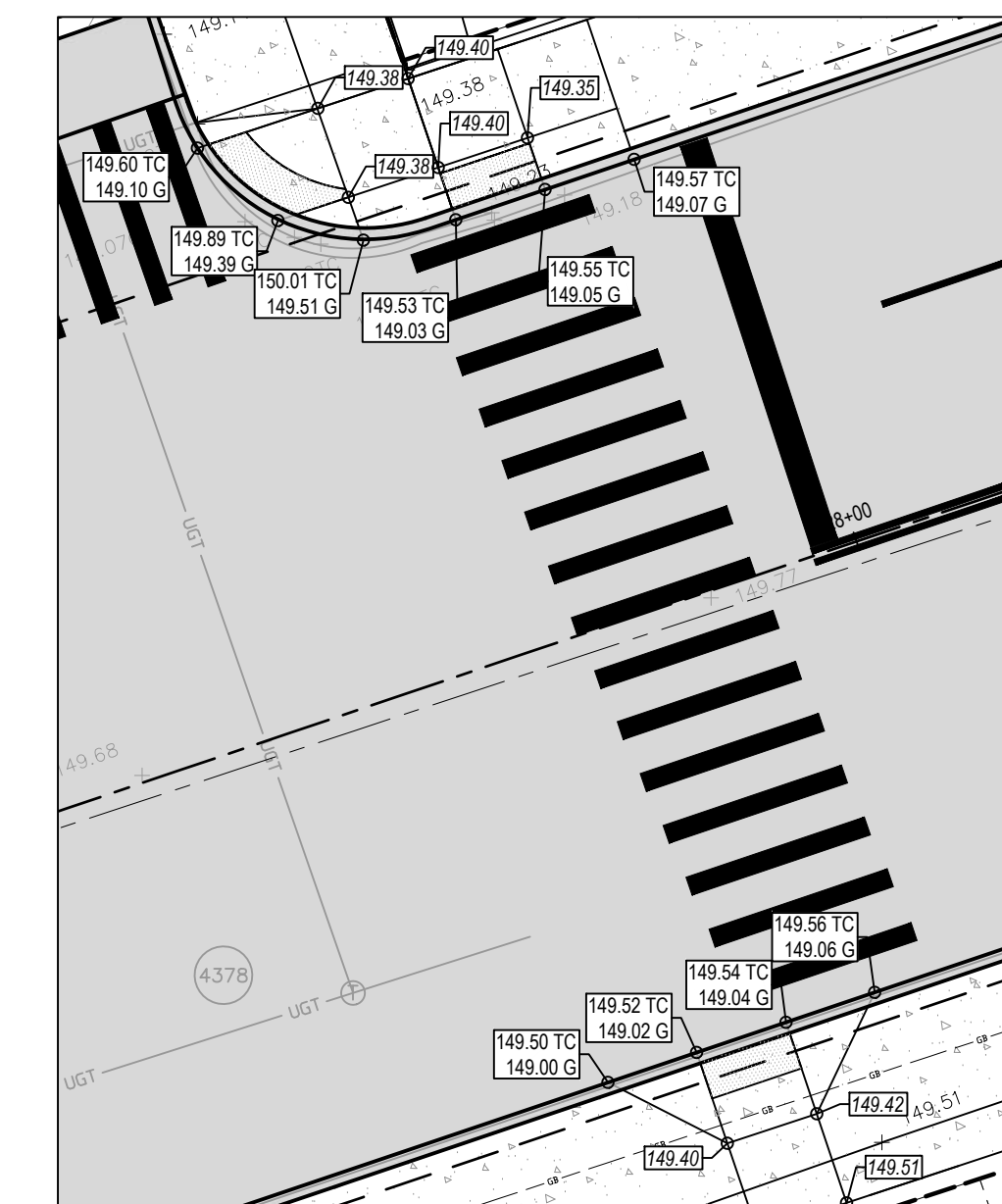
ADA RAMP GRADING DETAIL 7 - TYPE "RF"
SCALE: 1" = 10'



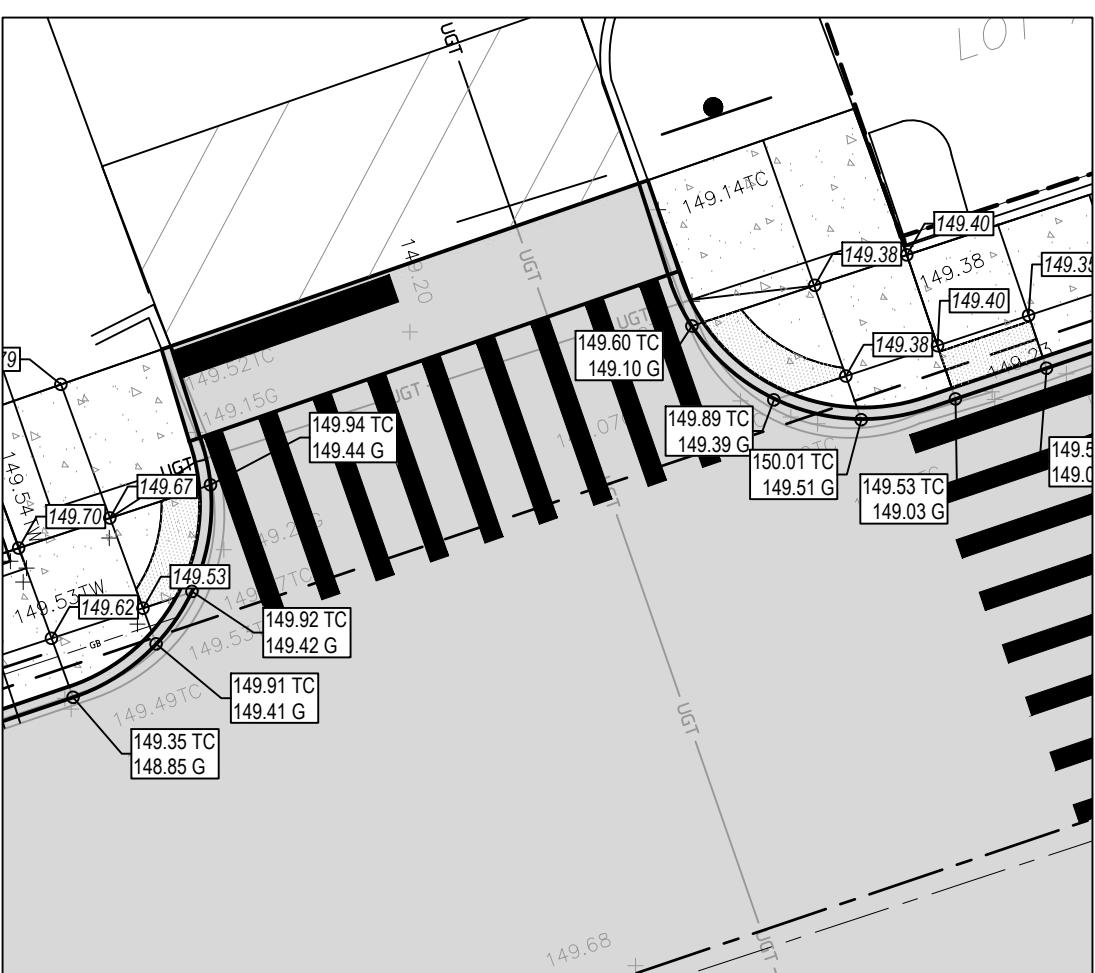
ADA RAMP GRADING DETAIL 6 - TYPE "RF"
SCALE: 1" = 10'



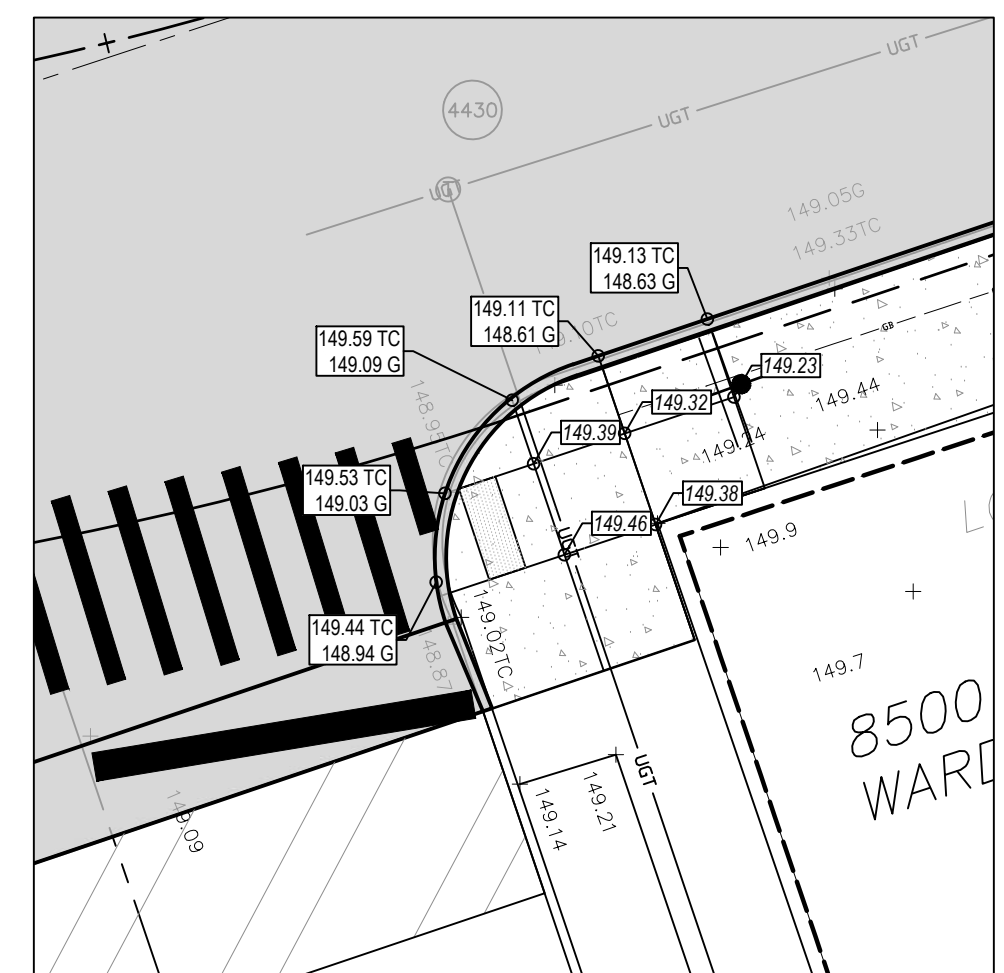
ADA RAMP GRADING DETAIL 14 - TYPE "F"
SCALE: 1" = 10'



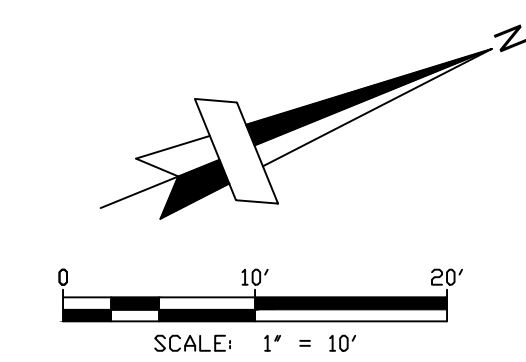
ADA RAMP GRADING DETAIL 13 - TYPE "F"
SCALE: 1" = 10'



ADA RAMP GRADING DETAIL 12 - TYPES "F"
SCALE: 1" = 10'



ADA RAMP GRADING DETAIL 11 - TYPE "F"
SCALE: 1" = 10'



Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT REUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

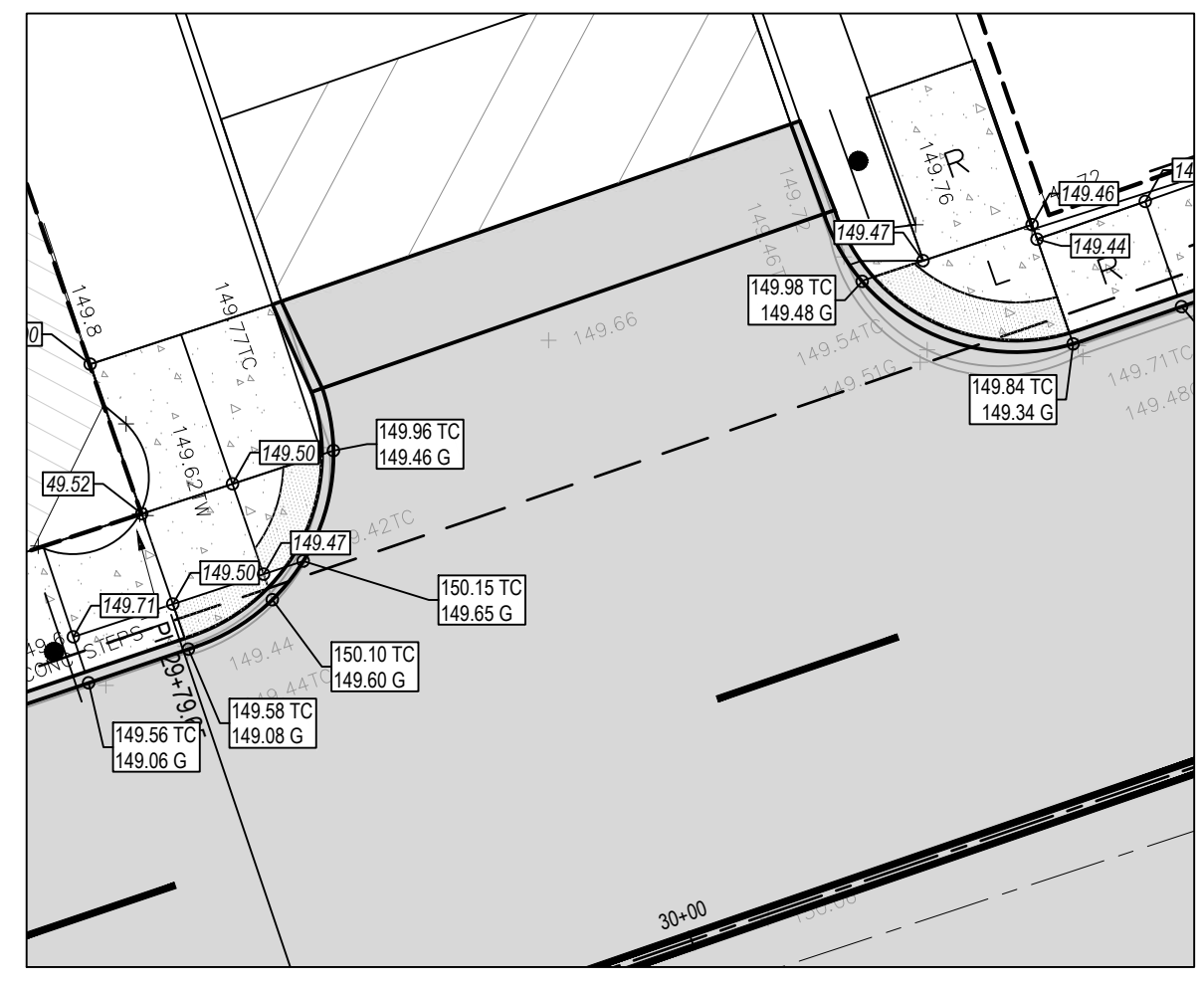
**ADA RAMP
GRADING**

Mt Elliott Street Reconstruction

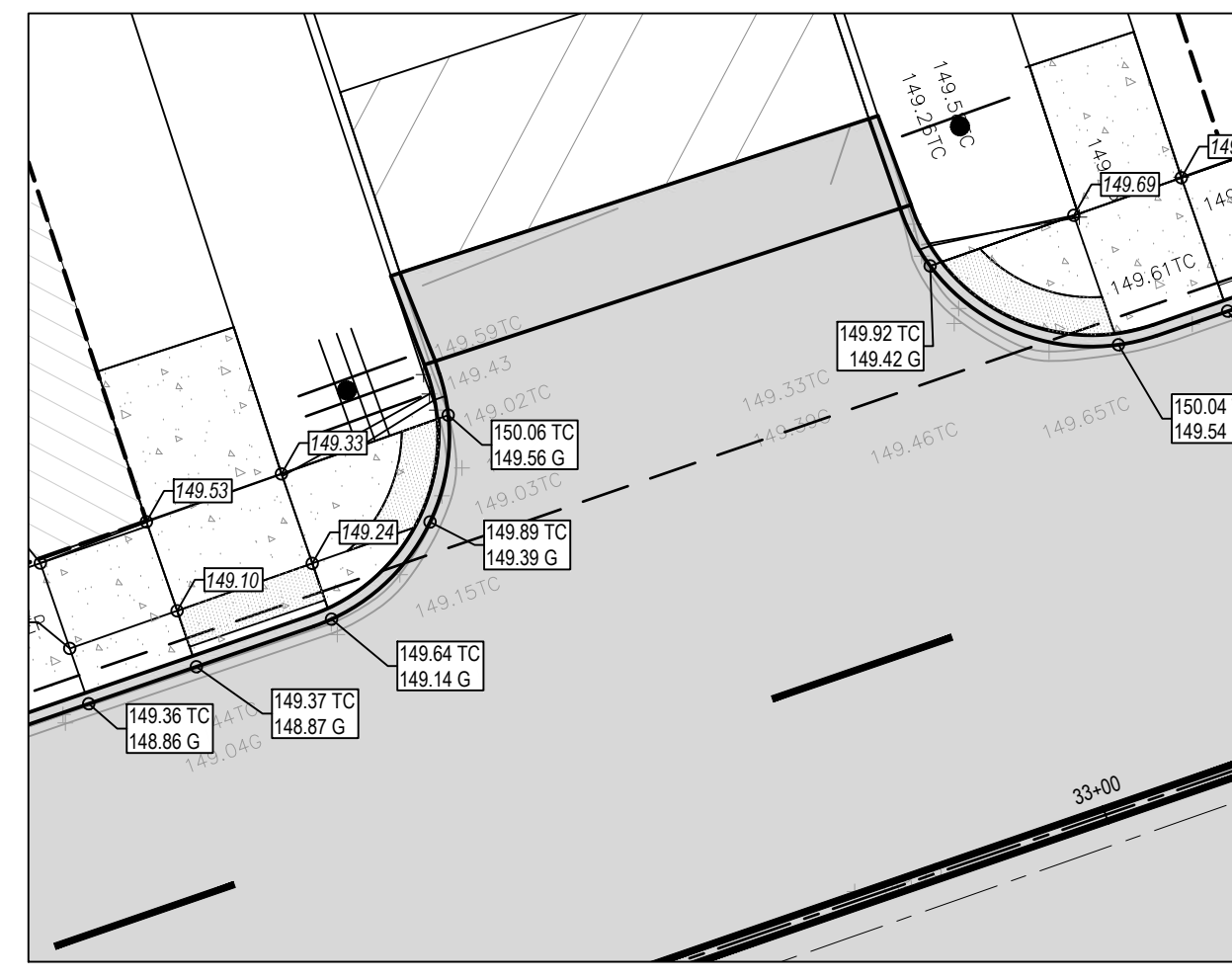
City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=10'
Sheet:	C301
Project:	19483.00D

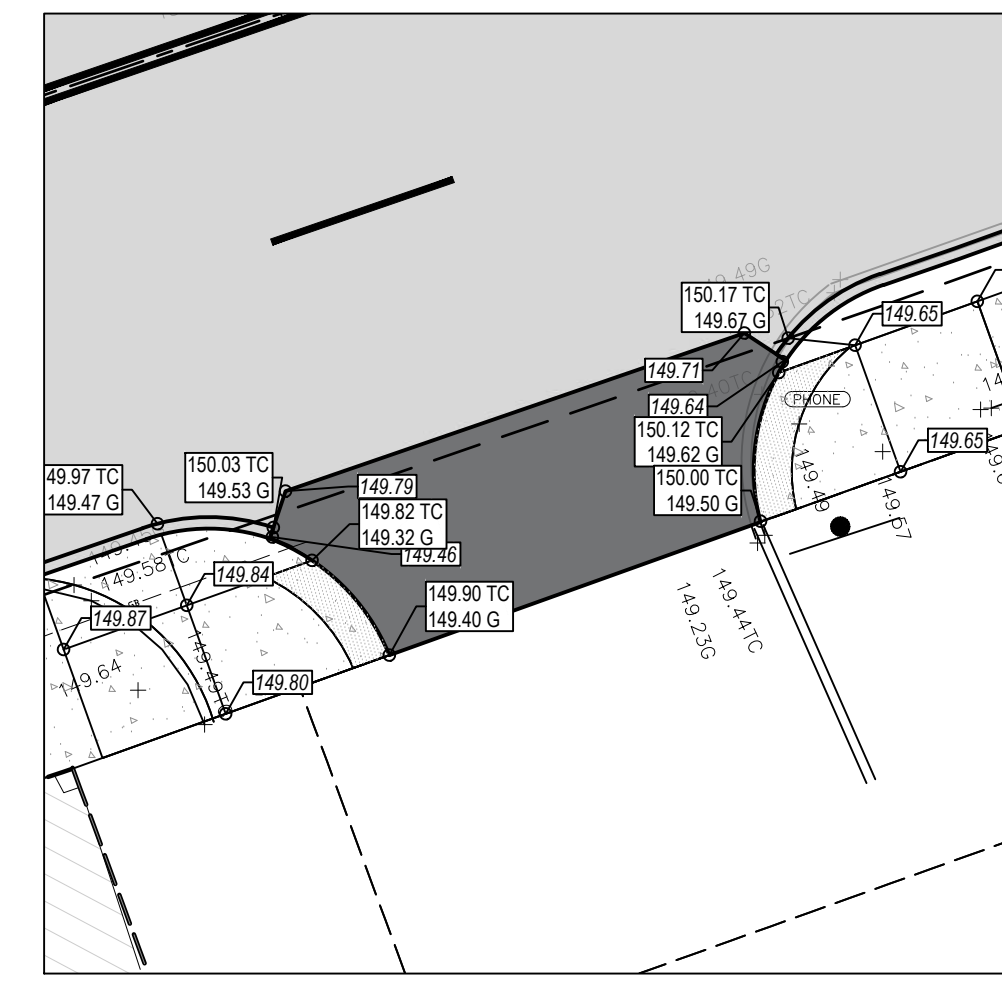
Copyright © 2021 Giffels Webster.
No reproduction shall be made without the
prior written consent of Giffels Webster.



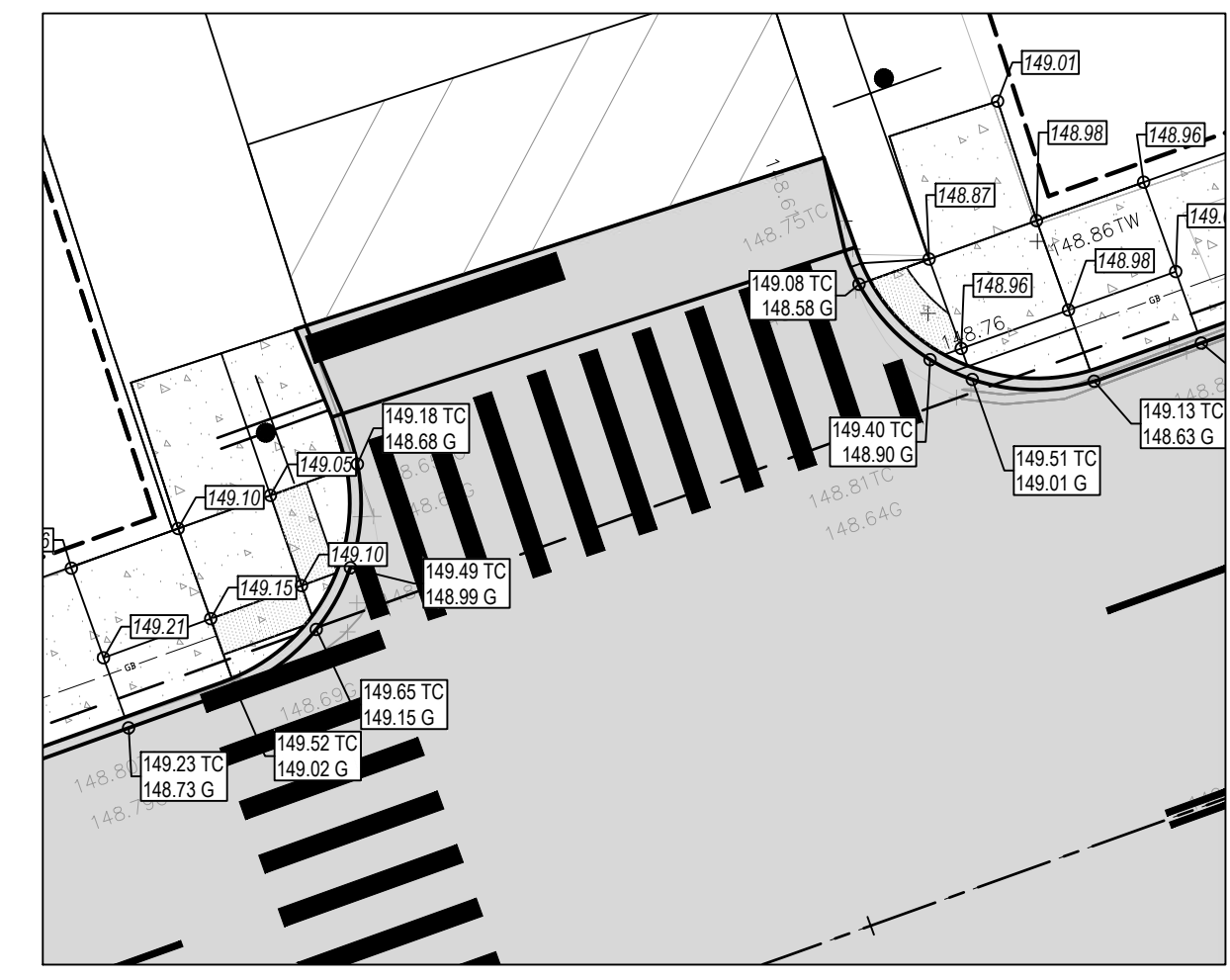
ADA RAMP GRADING DETAIL 15 - TYPES "F" & "D"
SCALE: 1" = 10'



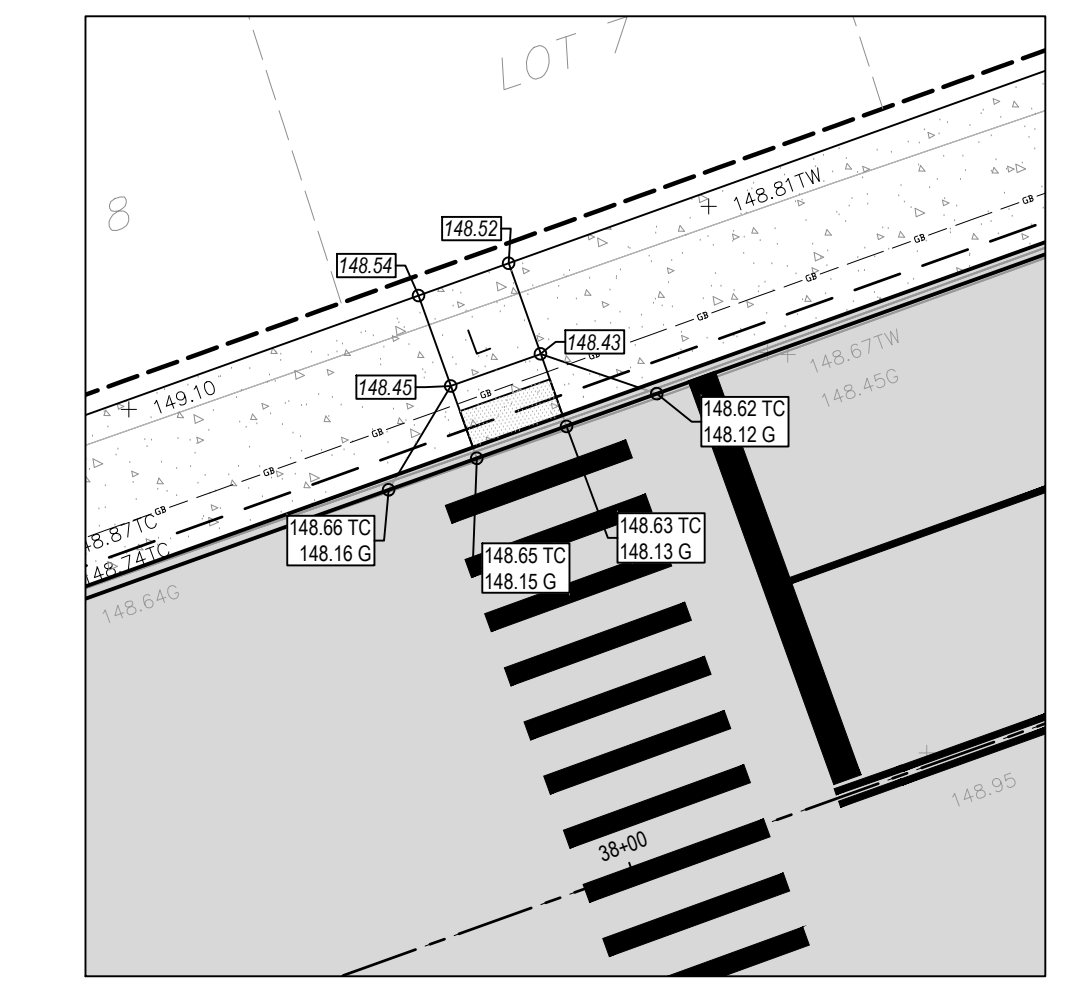
ADA RAMP GRADING DETAIL 16 - TYPE "RF"
SCALE: 1" = 10'



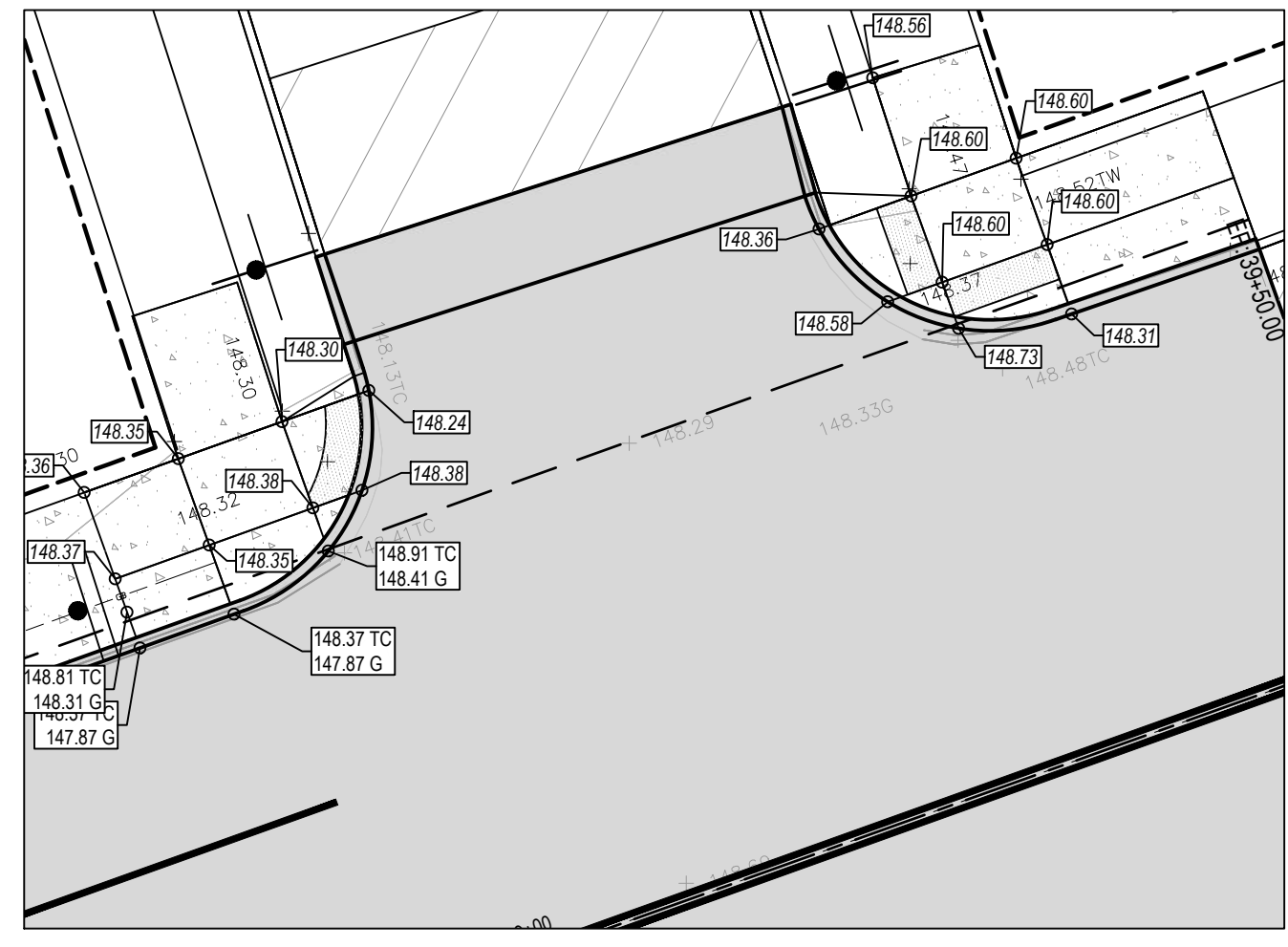
ADA RAMP GRADING DETAIL 17 - TYPES "R" & "RF"
SCALE: 1" = 10'



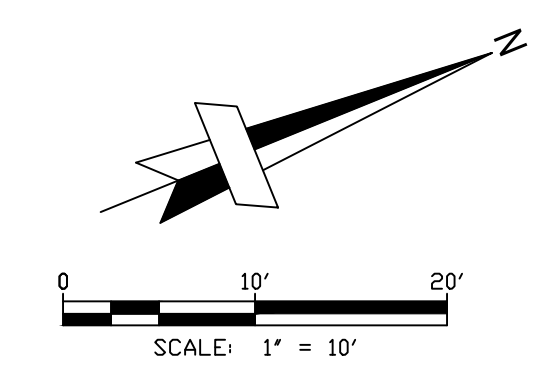
ADA RAMP GRADING DETAIL 18 - TYPES "F" & "RF"
SCALE: 1" = 10'



ADA RAMP GRADING DETAIL 19 - TYPE "F"
SCALE: 1" = 10'



ADA RAMP GRADING DETAIL 20 - TYPE "RF"
SCALE: 1" = 10'



Executive: MGD
Manager: MGD
Designer: RMJ
Quality Control: MGD
Section: 21/28
T-01-S R-12-E

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:

Economic Development Corporation of the City of Detroit

500 Griswold Street, Suite 2200
Detroit, MI 48226

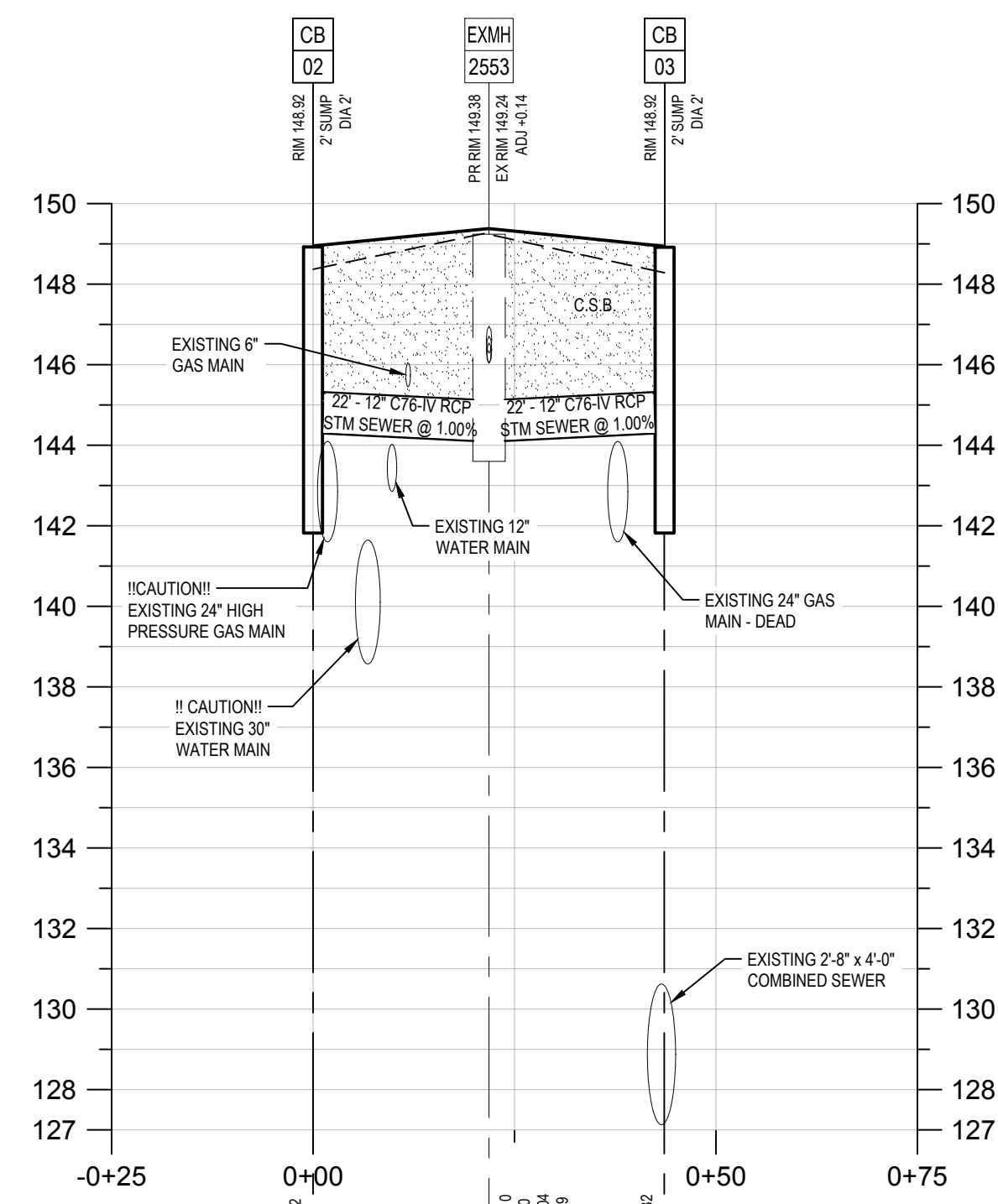
P: 313.963.2940

LATERAL PROFILES

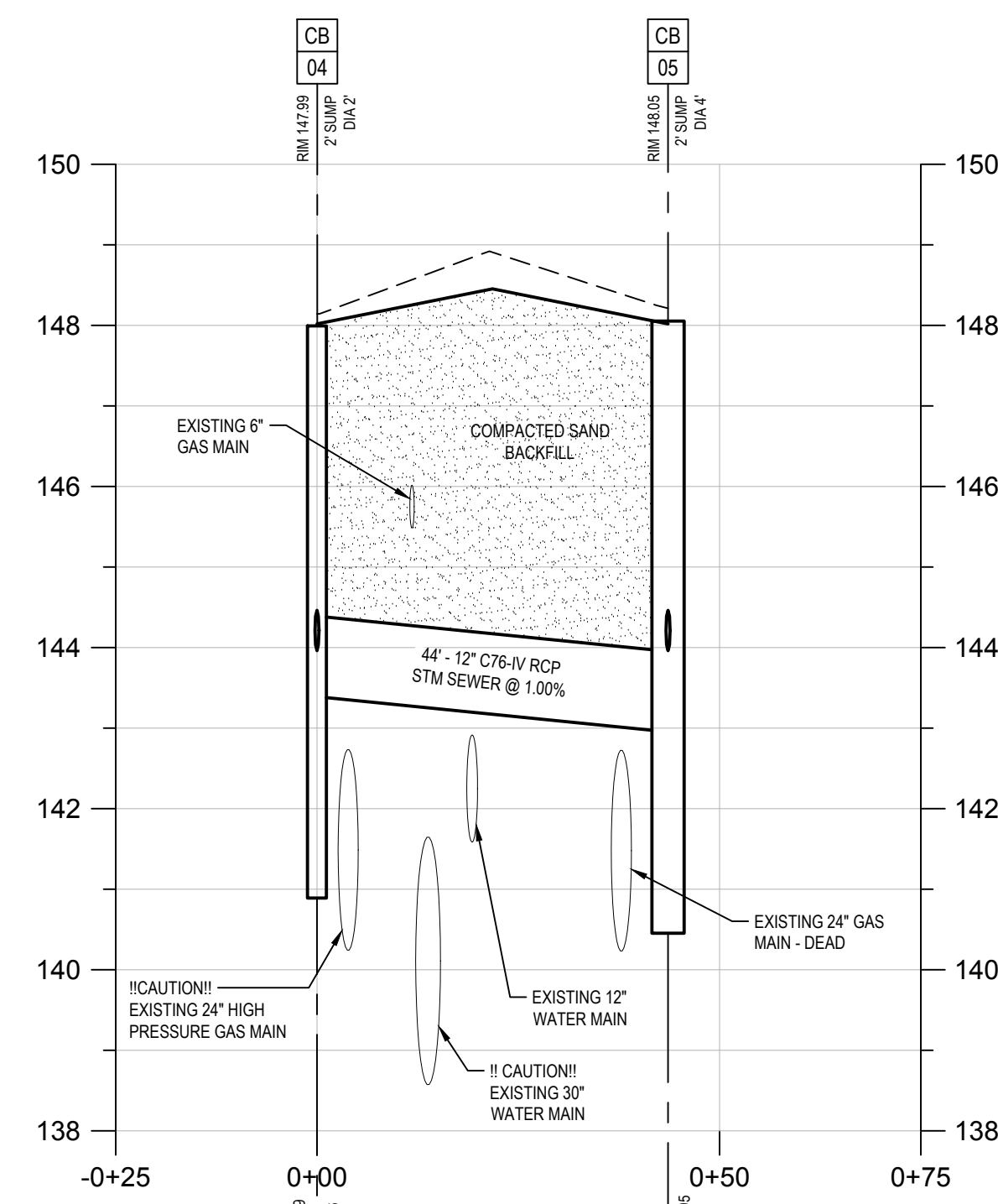
Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

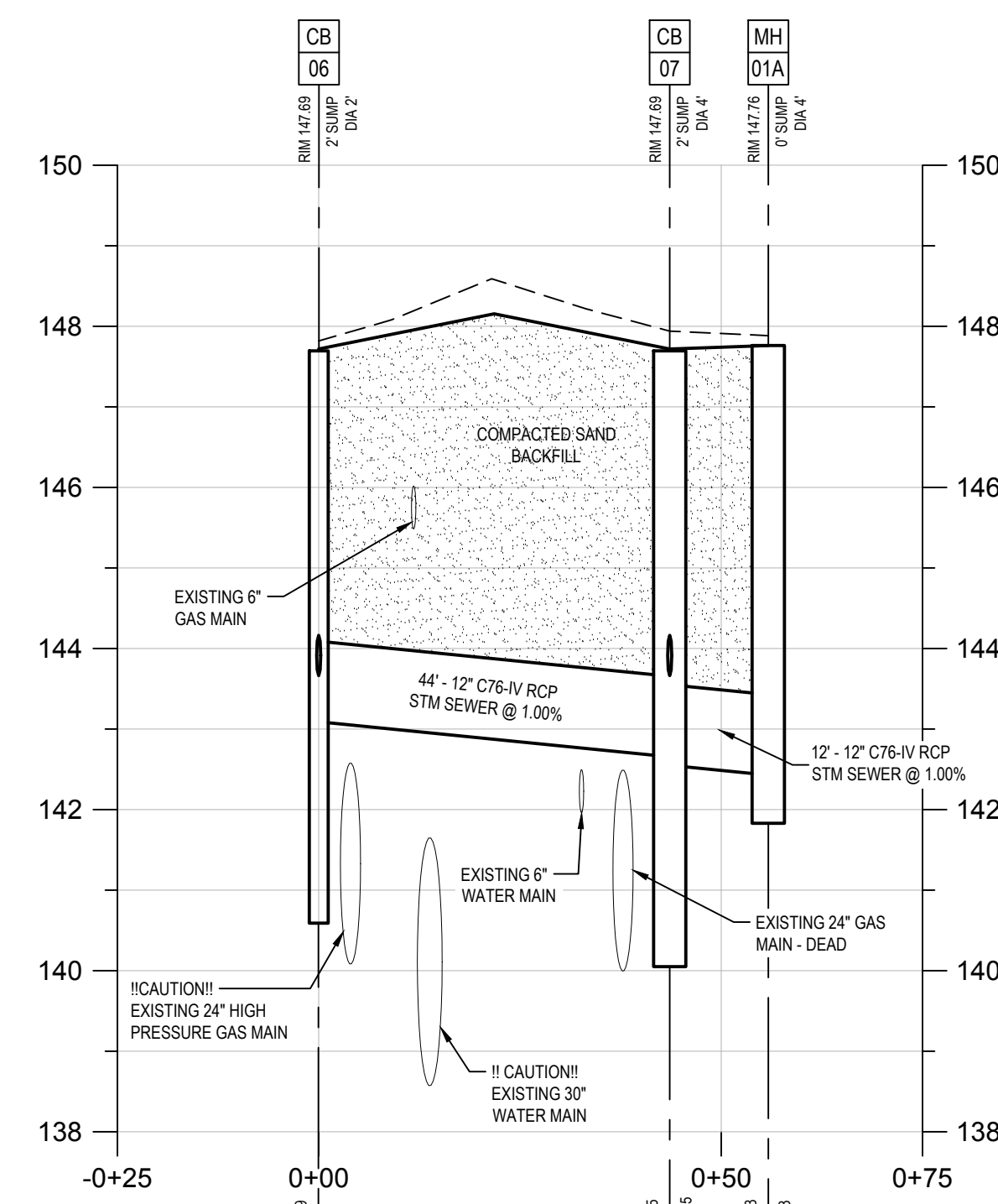
Date: 06.11.2021
Scale: H: 1"=20' V: 1"=2'1/4'
Sheet: C400
Project: 19483.00D



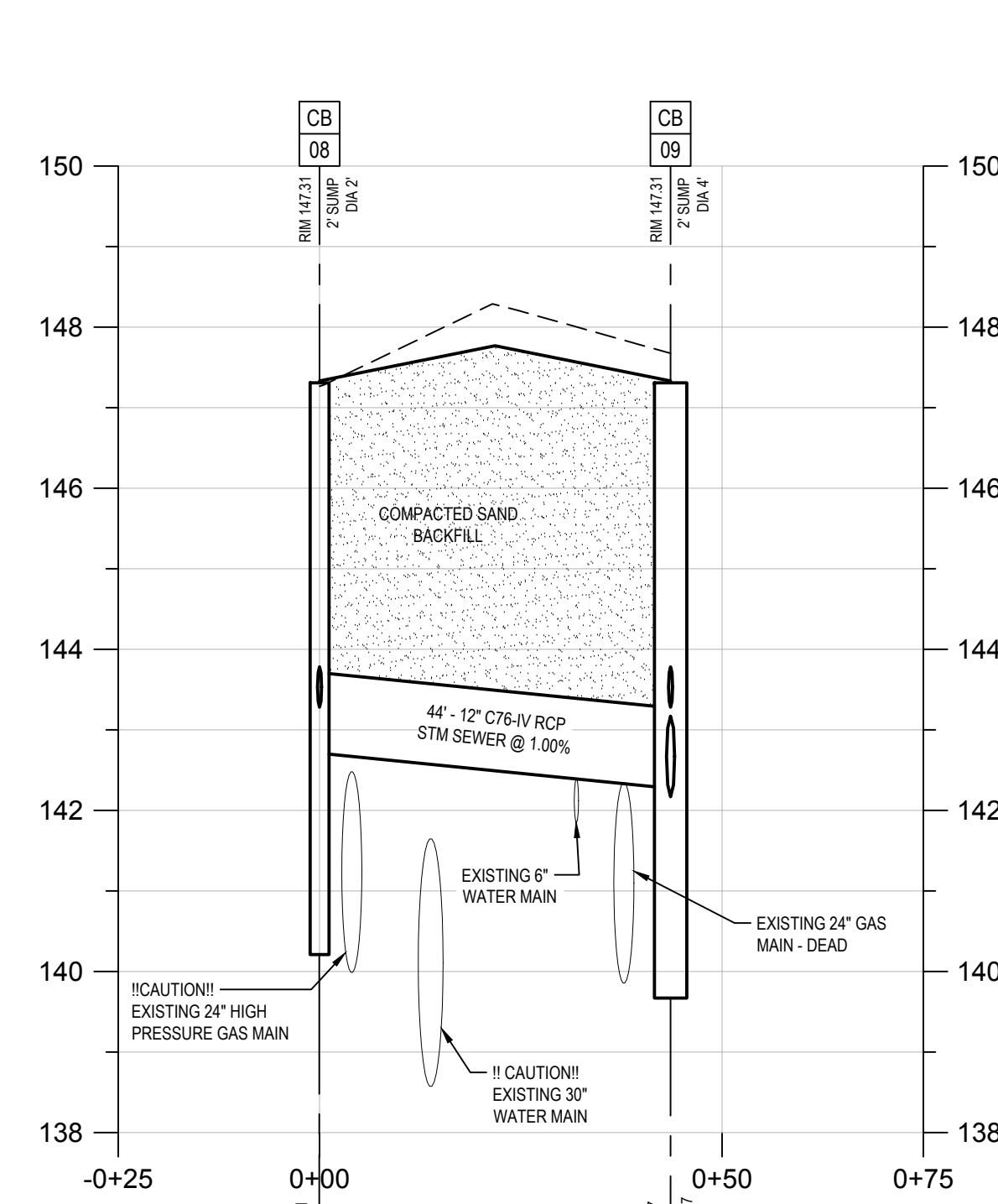
CB 02 - EX MH 2553 - CB 03



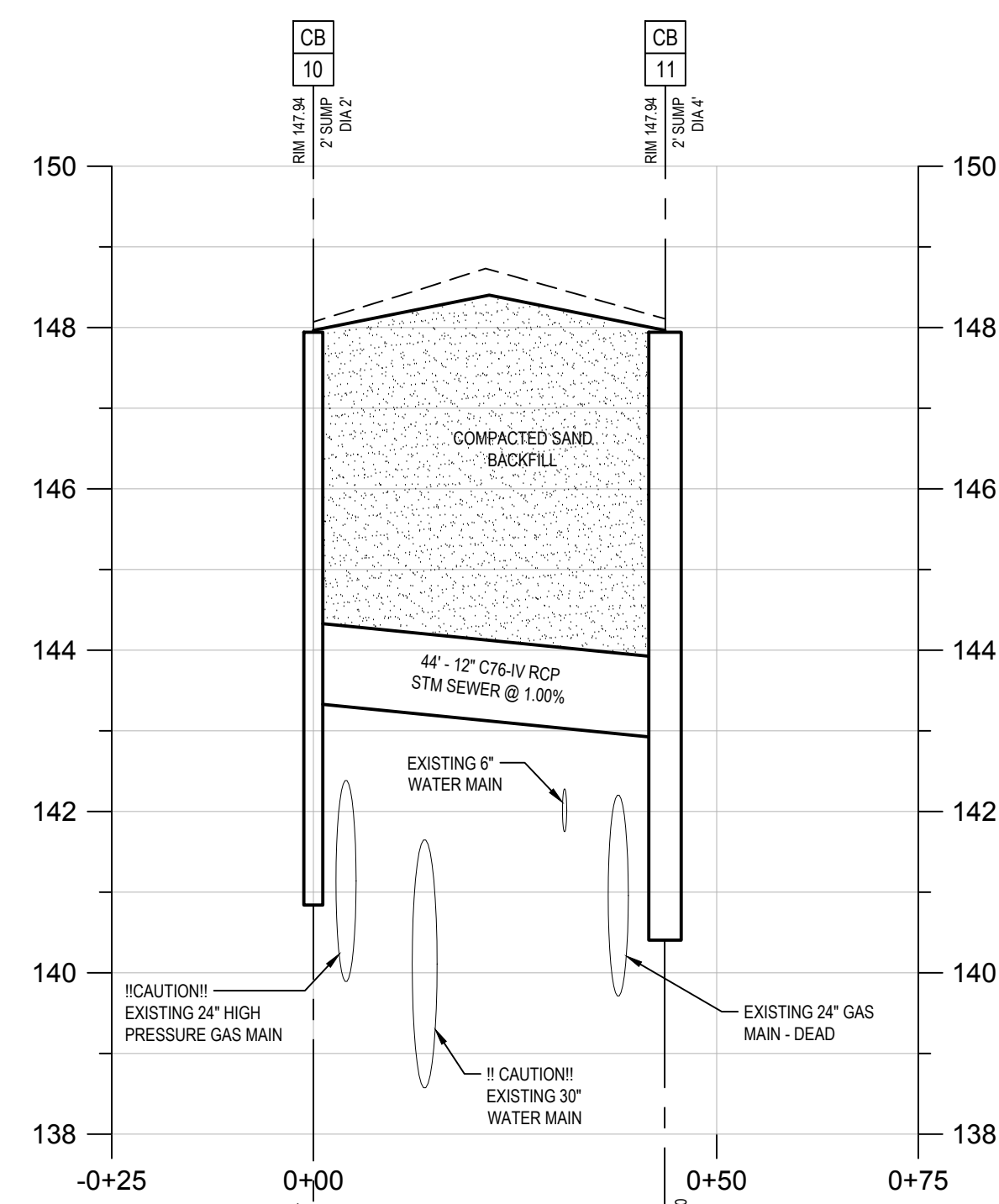
CB 04 - CB 05



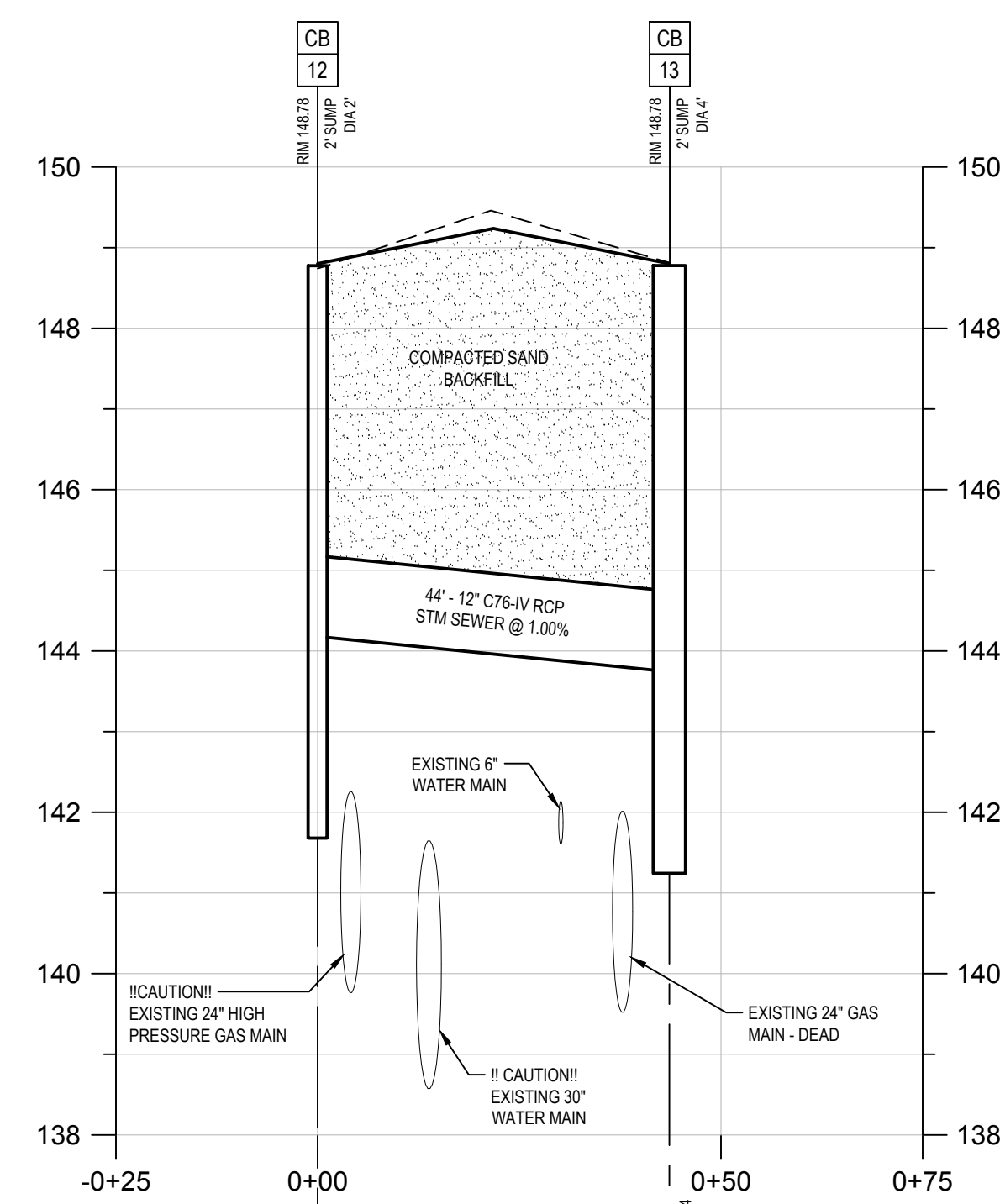
CB 06 - CB 07 - MH 01A



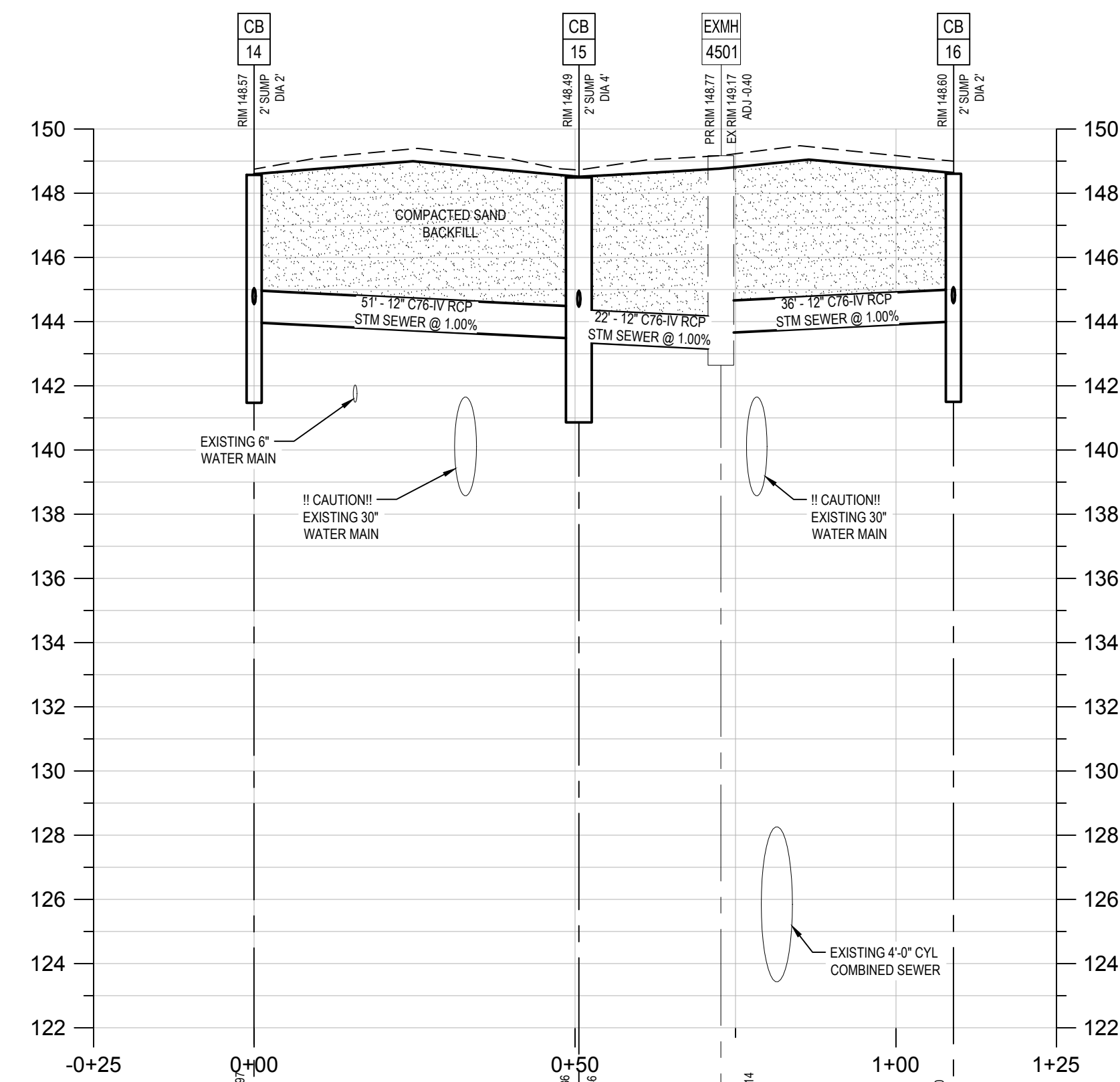
CB 08 - CB 09



CB 10 - CB 11

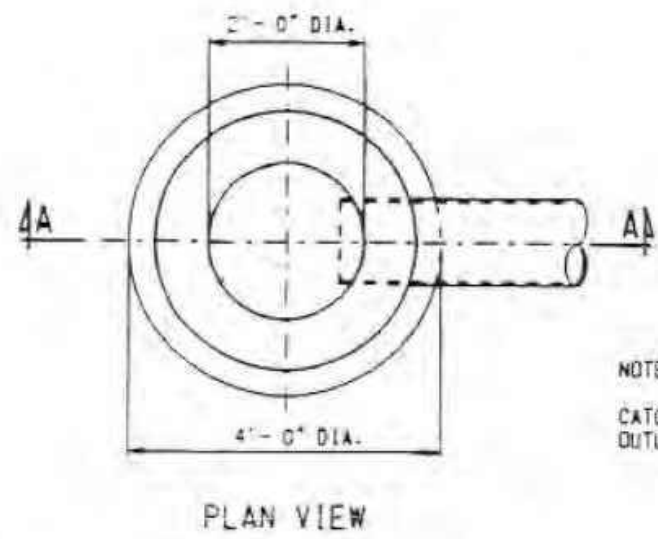


CB 12 - CB 13

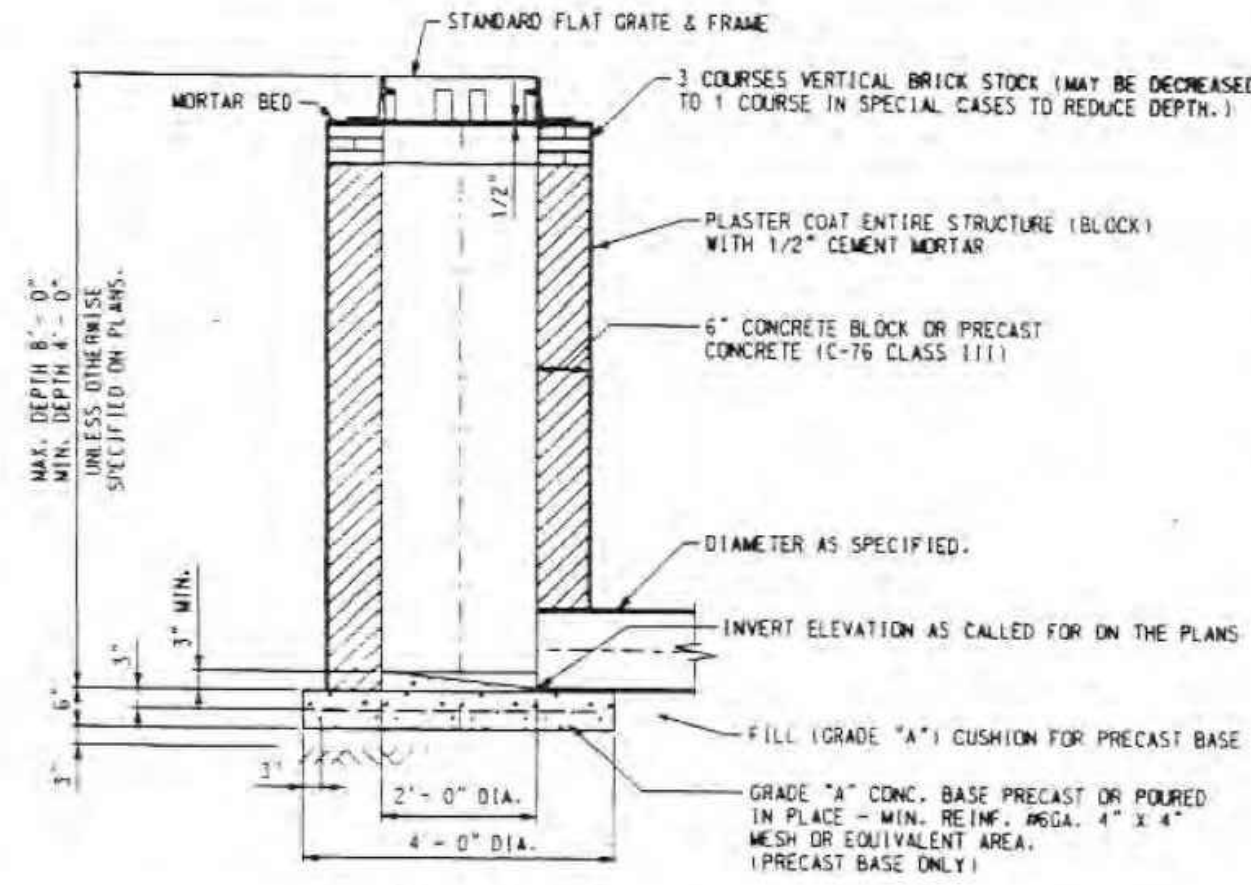


CB 14 - CB 15 - EX MH 4501 - CB 16

NOTE:
STORM UTILITIES DESIGNED WITH LIMITED FIELD AND RECORD INFORMATION AVAILABLE. CONTRACTOR TO VERIFY ALL EXISTING ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES OR CONFLICTS. CONTRACTOR TO MAINTAIN MINIMUM 18 INCH CLEARANCE BETWEEN ALL EXISTING AND PROPOSED UTILITY CROSSINGS.



NOTE:
CATCH BASIN "A" WILL BE USED ONLY WHEN
OUTLETTING TO A CATCH BASIN "B".



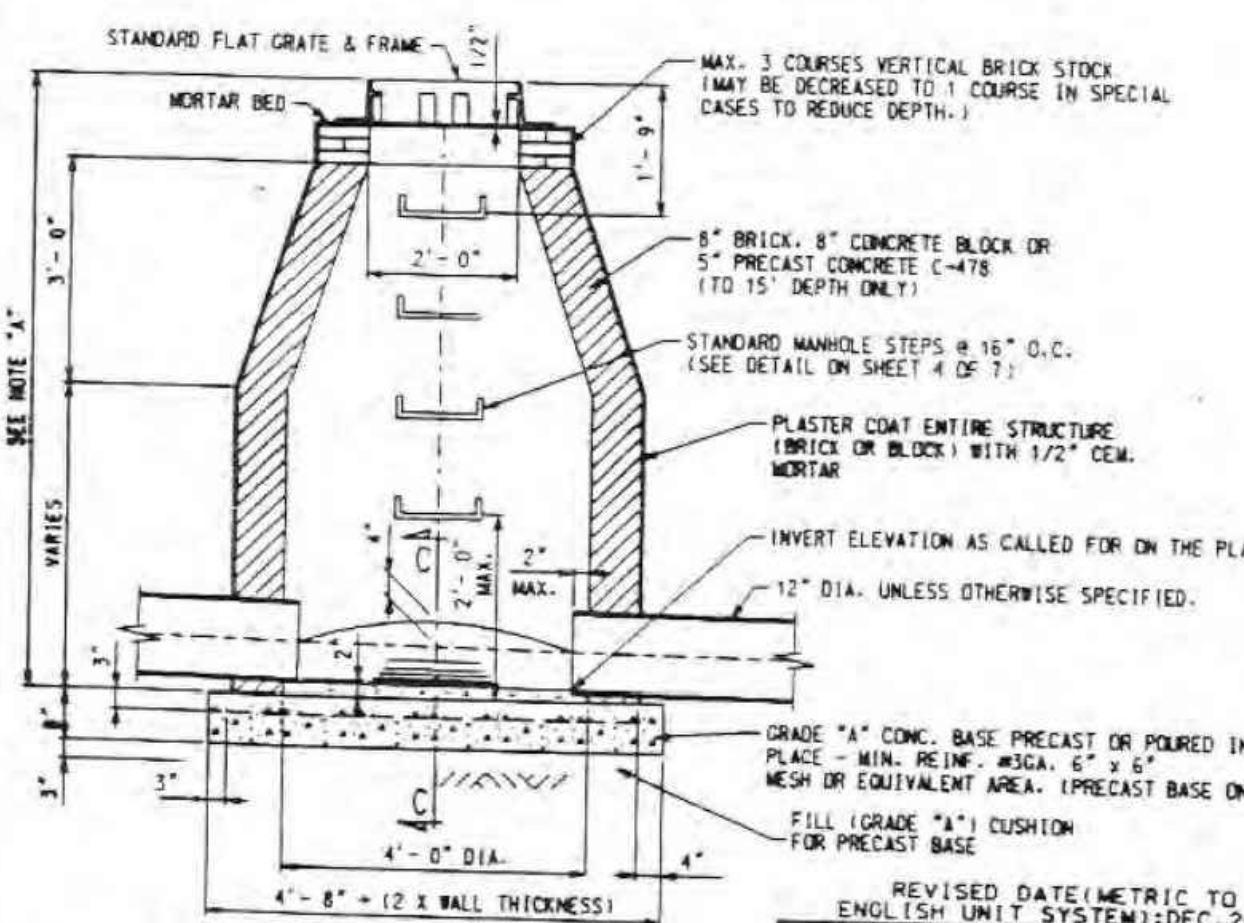
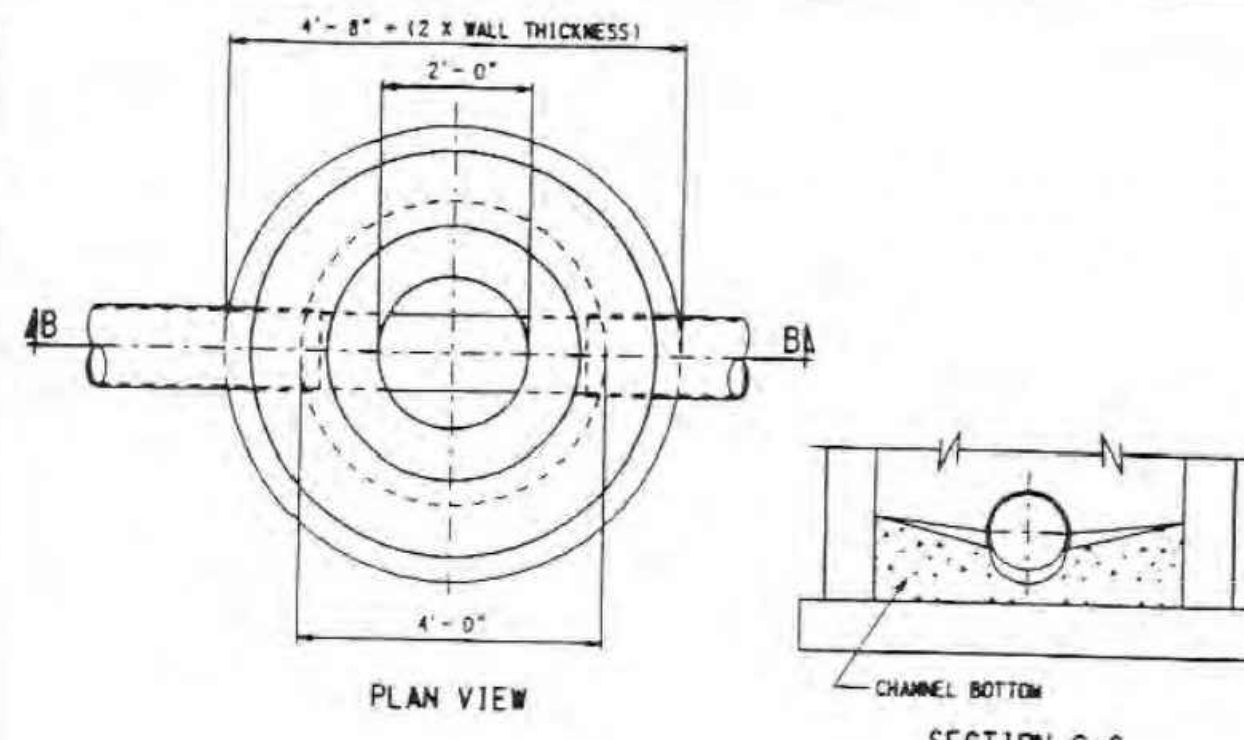
SECTION A-A
CATCH BASIN "A"

REVISED DATE (METRIC TO ENGLISH UNIT SYSTEM): DEC. 2002

CITY OF DETROIT
CITY ENGINEERING DIVISION, D.P.W.
STANDARD PLAN FOR
CATCH BASINS "A" AND "B"
AND FLAT GRATE AND FRAME

DESIGNED BY: *Danny Haidar*
CHECKED BY: *Walter Kelly*

DATE: 35
SHEET: C-5028
SHEET 1 OF 7

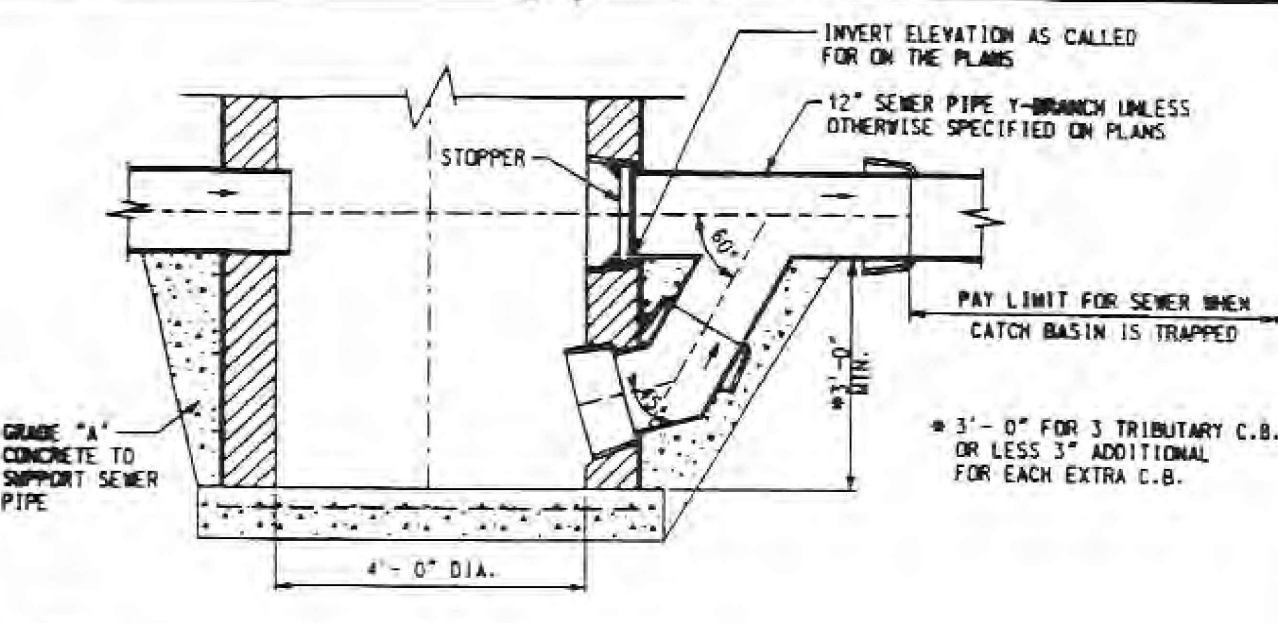


REVISED DATE (METRIC TO ENGLISH UNIT SYSTEM): DEC. 2002

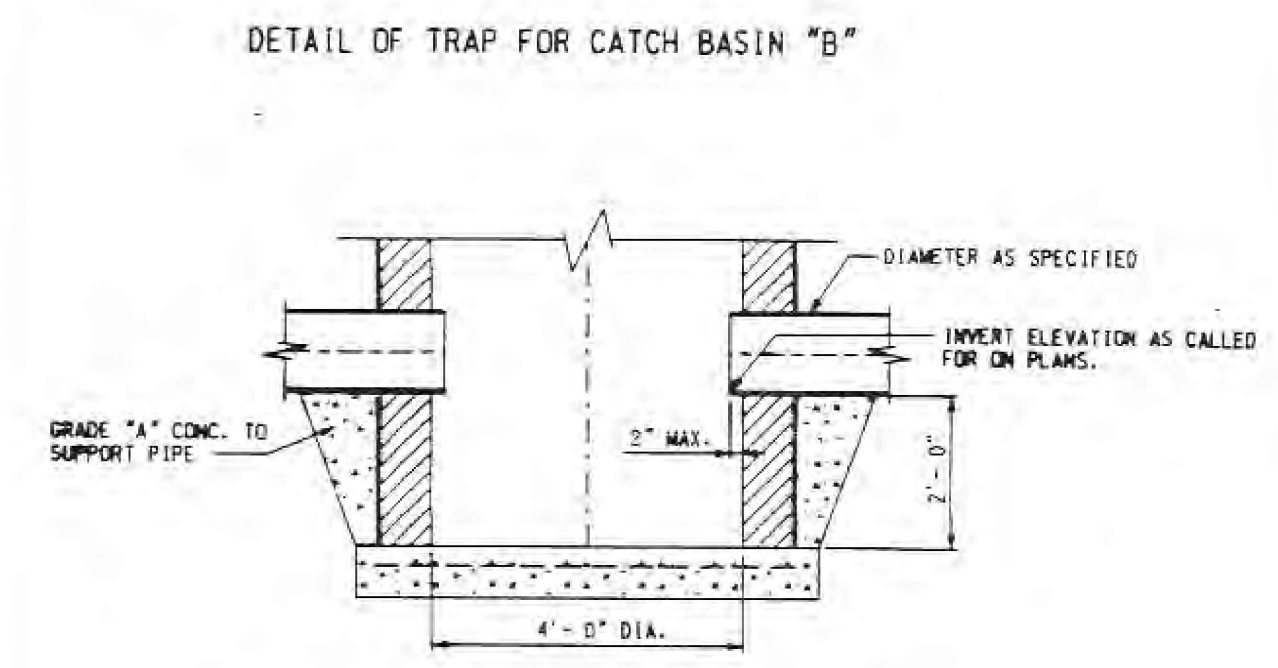
CITY OF DETROIT
CITY ENGINEERING DIVISION, D.P.W.
STANDARD PLAN FOR
CATCH BASINS "A" AND "B"
AND FLAT GRATE AND FRAME

DESIGNED BY: *Danny Haidar*
CHECKED BY: *Walter Kelly*

DATE: 35
SHEET: C-5028
SHEET 2 OF 7



NOTES:
SEWER TRAP TO BE OF THE SAME MAT'L. &
STRENGTH AS THE OUTLET SEWER PIPE.
TRAP SHALL BE SUPPORTED BY BLOCKING OR ANY OTHER MEANS
UNLESS CATCH BASIN IS COMPLETED AND CONCRETE OR MORTAR
AROUND BRICK IS SET. ANY Voids BETWEEN THE TRAP AND
GROUND UNDERNEATH SHALL BE FILLED WITH GRADE "A" CONCRETE.

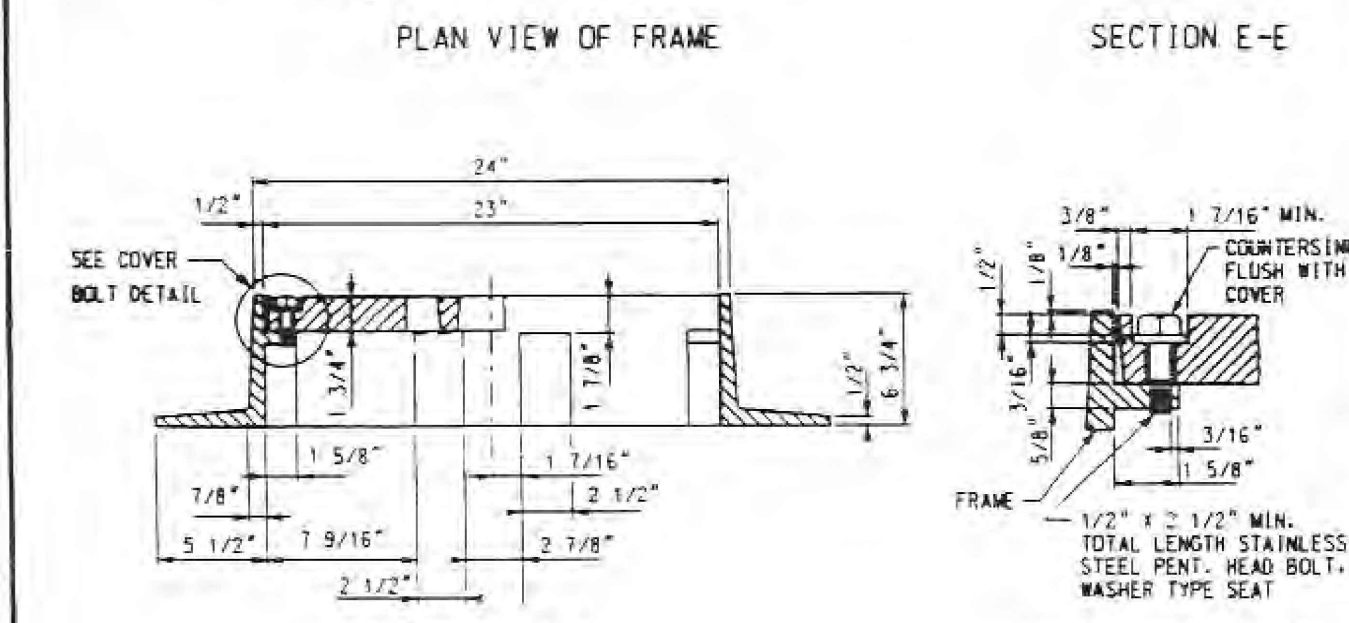
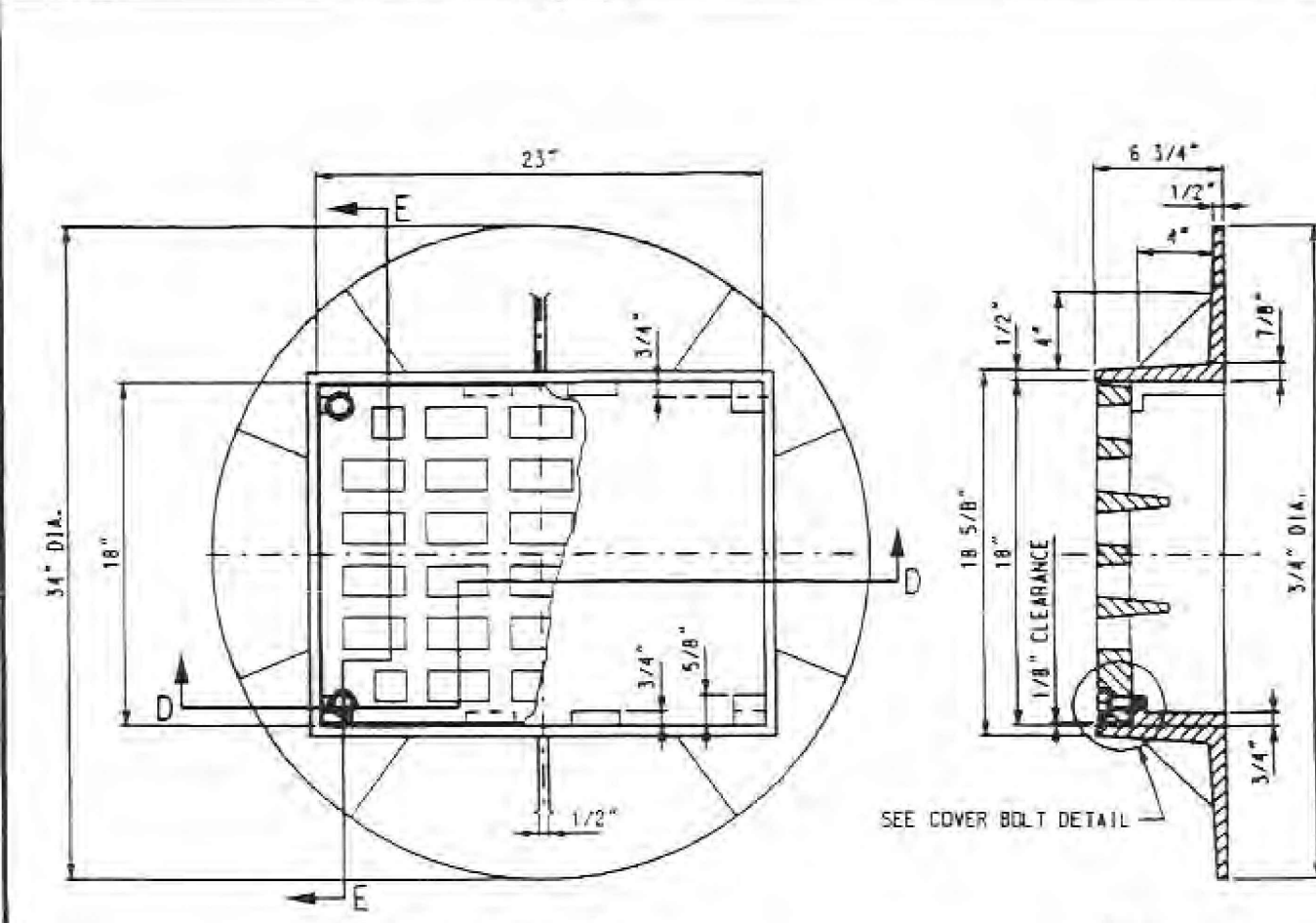


REVISED DATE (METRIC TO ENGLISH UNIT SYSTEM): DEC. 2002

CITY OF DETROIT
CITY ENGINEERING DIVISION, D.P.W.
STANDARD PLAN FOR
CATCH BASINS "A" AND "B"
AND FLAT GRATE AND FRAME

DESIGNED BY: *Danny Haidar*
CHECKED BY: *Walter Kelly*

DATE: 35
SHEET: C-5028
SHEET 3 OF 7

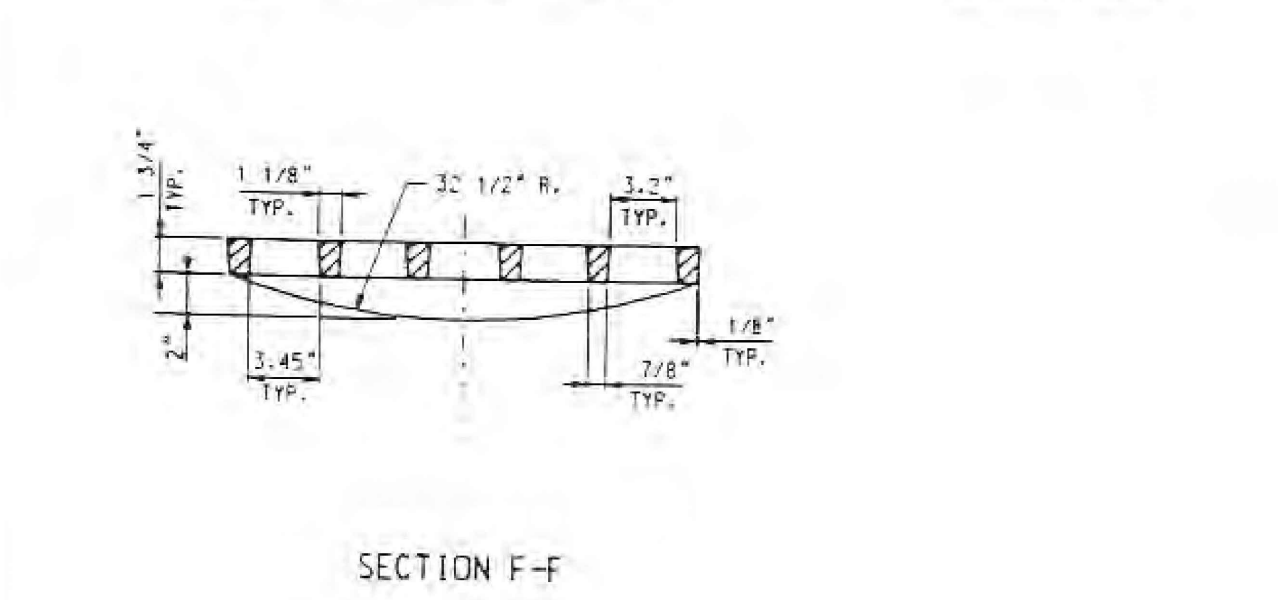
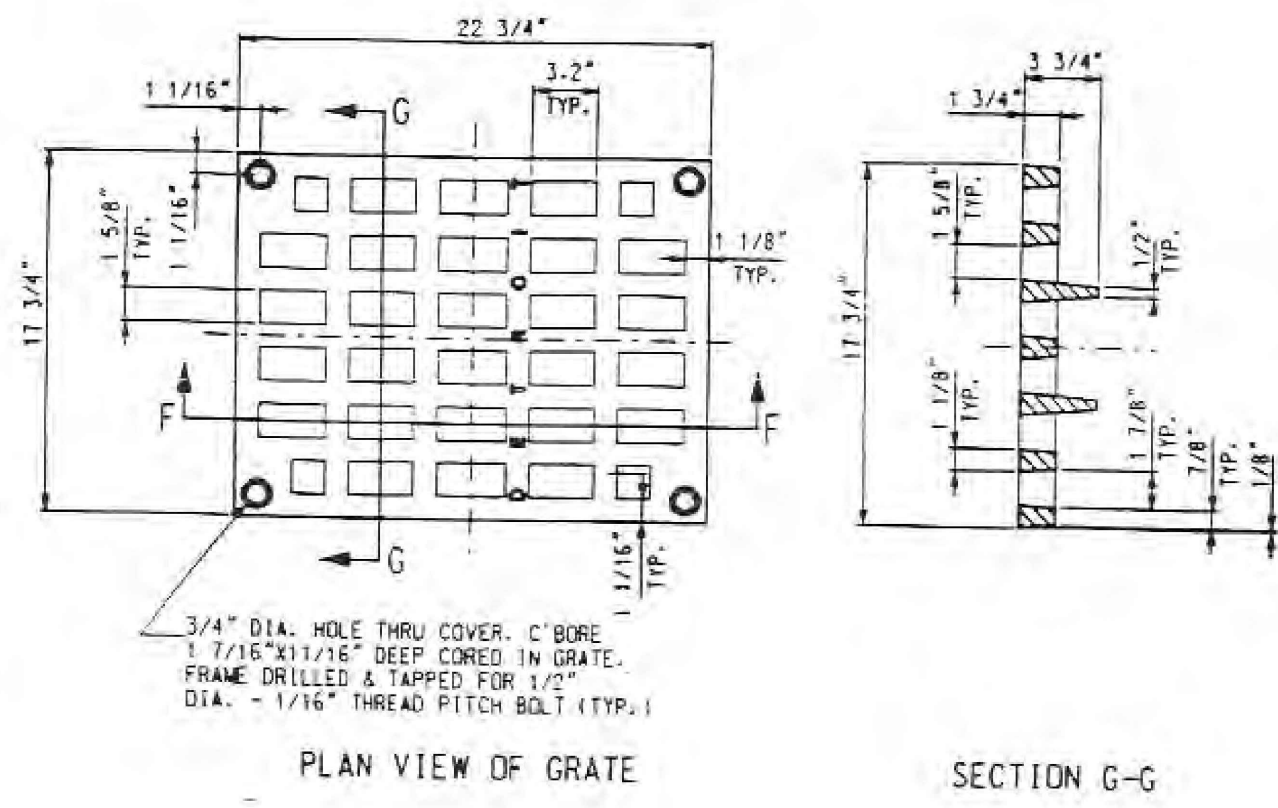


REVISED DATE (METRIC TO ENGLISH UNIT SYSTEM): DEC. 2002

CITY OF DETROIT
CITY ENGINEERING DIVISION, D.P.W.
STANDARD PLAN FOR
CATCH BASINS "A" AND "B"
AND FLAT GRATE AND FRAME

DESIGNED BY: *Danny Haidar*
CHECKED BY: *Walter Kelly*

DATE: 35
SHEET: C-5028
SHEET 5 OF 7



REVISED DATE (METRIC TO ENGLISH UNIT SYSTEM): DEC. 2002

CITY OF DETROIT
CITY ENGINEERING DIVISION, D.P.W.
STANDARD PLAN FOR
CATCH BASINS "A" AND "B"
AND FLAT GRATE AND FRAME

DESIGNED BY: *Danny Haidar*
CHECKED BY: *Walter Kelly*

DATE: 35
SHEET: C-5028
SHEET 6 OF 7

- GENERAL NOTES
- CENTER OF CATCH BASIN SHALL BE 20 INCHES FROM BACK OF CURB.
 - ALL SIZES AND FLOW LINES OF PIPES, AND ELEVATIONS FOR TOP AND BOTTOM OF STRUCTURES SHALL BE DETERMINED FROM THE PLANS OR CONSTRUCTION REQUIREMENTS. THE BELL SHALL BE REMOVED FROM THE FIRST LENGTH OF OUTLET PIPE PROJECTING THROUGH THE WALL OF THE STRUCTURE WHEN ANY STRUCTURE IS CONSTRUCTED OF PRECAST CONCRETE OR CONCRETE BLOCK. THE TOP OF THE MASONRY SHALL BE LEFT SUFFICIENTLY LOW TO PERMIT PROPER ADJUSTMENT OF THE COVER TO GRADE BY THE USE OF MORTAR OR BRICKS AS DIRECTED BY THE ENGINEER.
 - A TRAP, AS DETAILED ON SHEET 3 OF 7, SHALL BE PLACED WHERE CALLED FOR IN THE OUTLET SEWER LINE OF CATCH BASINS "B". THIS TRAP SHALL BE SET INTO THE MASONRY WALL AS SHOWN ON THE DETAIL. THE SPACE BETWEEN THE FACES OF THE WALL AND THE TRAP SHALL BE COMPLETELY FILLED WITH CEMENT, MORTAR OR CONCRETE, SO AS TO HOLD TRAP SECURELY IN PLACE.
 - THE MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARD SPECIFICATIONS FOR PAVING AND RELATED CONSTRUCTION EXCEPT AS NOTED ON THIS SHEET AND ON THE PLANS.
 - A PLASTER COAT OF MORTAR 1/2" IN THICKNESS SHALL BE APPLIED TO THE OUTER SURFACE OF THE STRUCTURE AS SHOWN. A 1/2" CEMENT PLASTER COAT SHALL BE PLACED ON THE INSIDE OF ALL SUMPS.
 - CONTRACTOR SHALL VERIFY ELEVATIONS OF EXISTING UTILITIES TO ENABLE CONSTRUCTION TO INDICATED ELEVATIONS SHOWN ON DRAWINGS. IF NECESSARY, INVERT ELEVATIONS SHOWN ON THE DRAWINGS MAY BE ALTERED IN THE FIELD TO CLEAR EXISTING UTILITIES. SUCH ALTERATIONS, UPWARD OR DOWNWARD, SHALL BE AT NO CHANGE IN CONTRACT PRICE.
 - WHEN PRECAST CONCRETE PIPE SECTIONS ARE USED FOR CATCH BASINS, EITHER A SECTION OF THE INLET AND OUTLET PIPES OR AN OPENING OR EYE FOR THE INLET AND OUTLET PIPES SHALL BE CAST INTO THE WALL OF THE CATCH BASIN PIPE WHEN IT IS BEING MANUFACTURED. EYES IN PRECAST PIPE SECTIONS SHALL BE FURNISHED TO ACCOMMODATE A FLEXIBLE JOINT CONNECTION SUCH AS PRESS-WEDGE BY PRESS SEAL GASKET CORP. OR RES-SEAL BY SCALES MFG. CORP.
 - PAY LIMIT FOR SEWERS SHALL BE INSIDE FACES OF STRUCTURES UNLESS OTHERWISE NOTED.
 - ALL DIMENSIONS ARE IN INCHES, UNLESS OTHERWISE NOTED.

REVISED DATE (METRIC TO ENGLISH UNIT SYSTEM): DEC. 2002

CITY OF DETROIT
CITY ENGINEERING DIVISION, D.P.W.
STANDARD PLAN FOR
CATCH BASINS "A" AND "B"
AND FLAT GRATE AND FRAME

DESIGNED BY: *Danny Haidar*
CHECKED BY: *Walter Kelly*

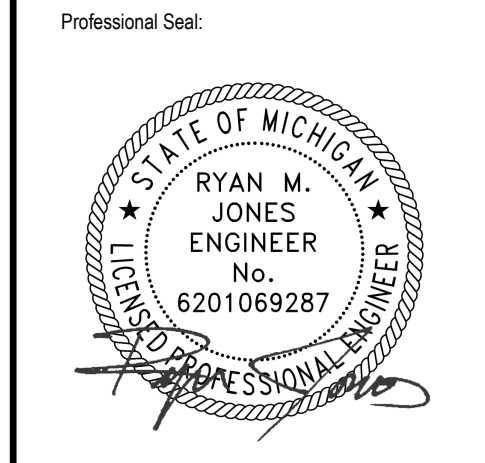
DATE: 35
SHEET: C-5028
SHEET 7 OF 7

giffels webster

Engineers
Surveyors
Planners
Landscape Architects

28 West Adams Road
Suite 1200
Detroit, MI 48226
p (313) 962-4442
f (313) 962-5068
www.giffelswebster.com

Executive: MGD
Manager: MGD
Designer: RMJ/TAB
Quality Control: MGD
Section: 21/28
T-01-S R-12-E



DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit

500 Griswold Street, Suite 2200
Detroit, MI 48226

P: 313.963.2940

DETAILS - UTILITIES

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date: 09.16.2021
Scale: NTS
Sheet: C500
Project: 19483.00D

Copyright © 2020 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.

Executive: MGD
Manager: MGD
Designer: RMJ/TAB
Quality Control: MGD
Section: 21/28
T-01-S R-12-E

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
7.9.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

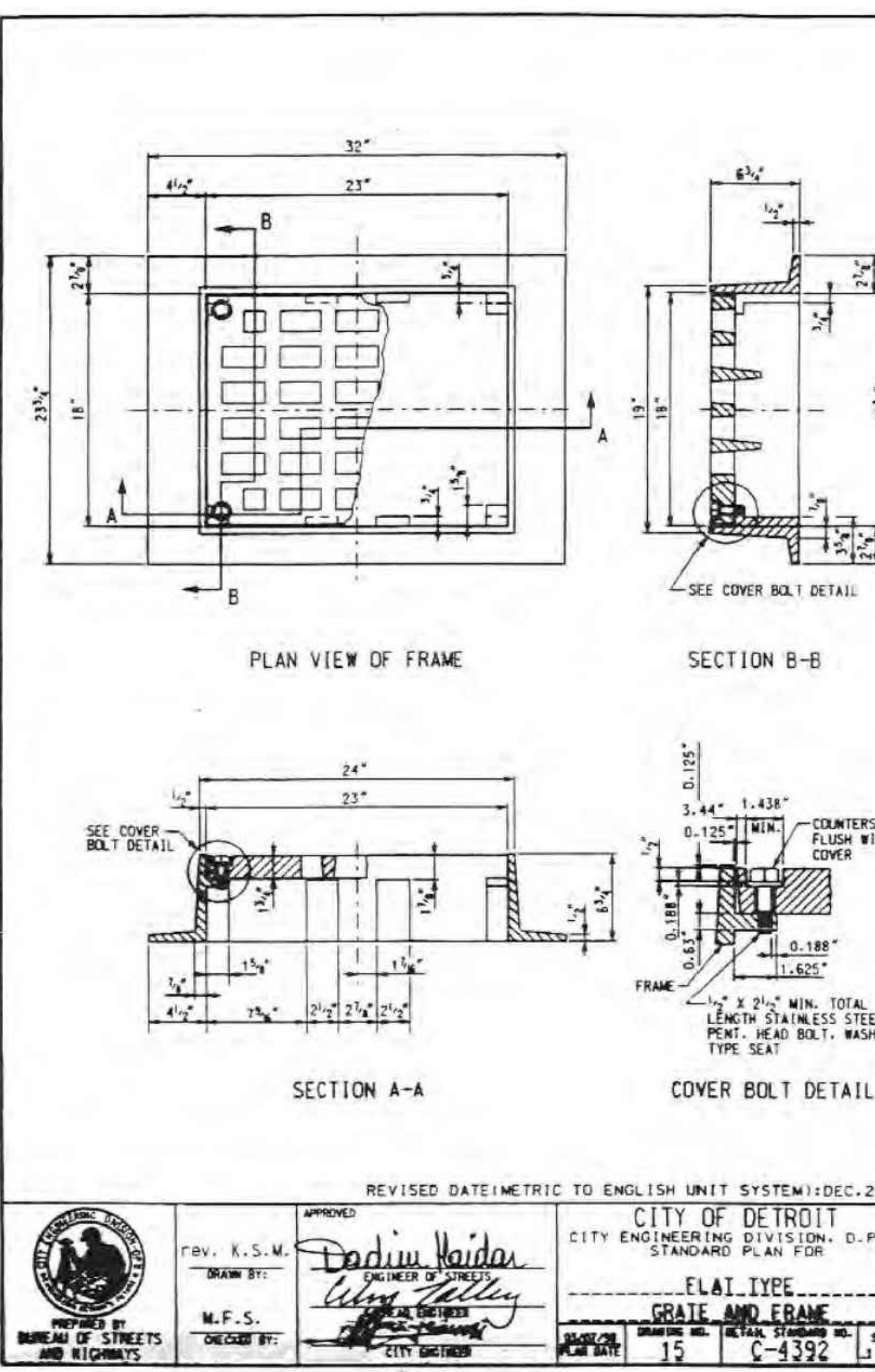
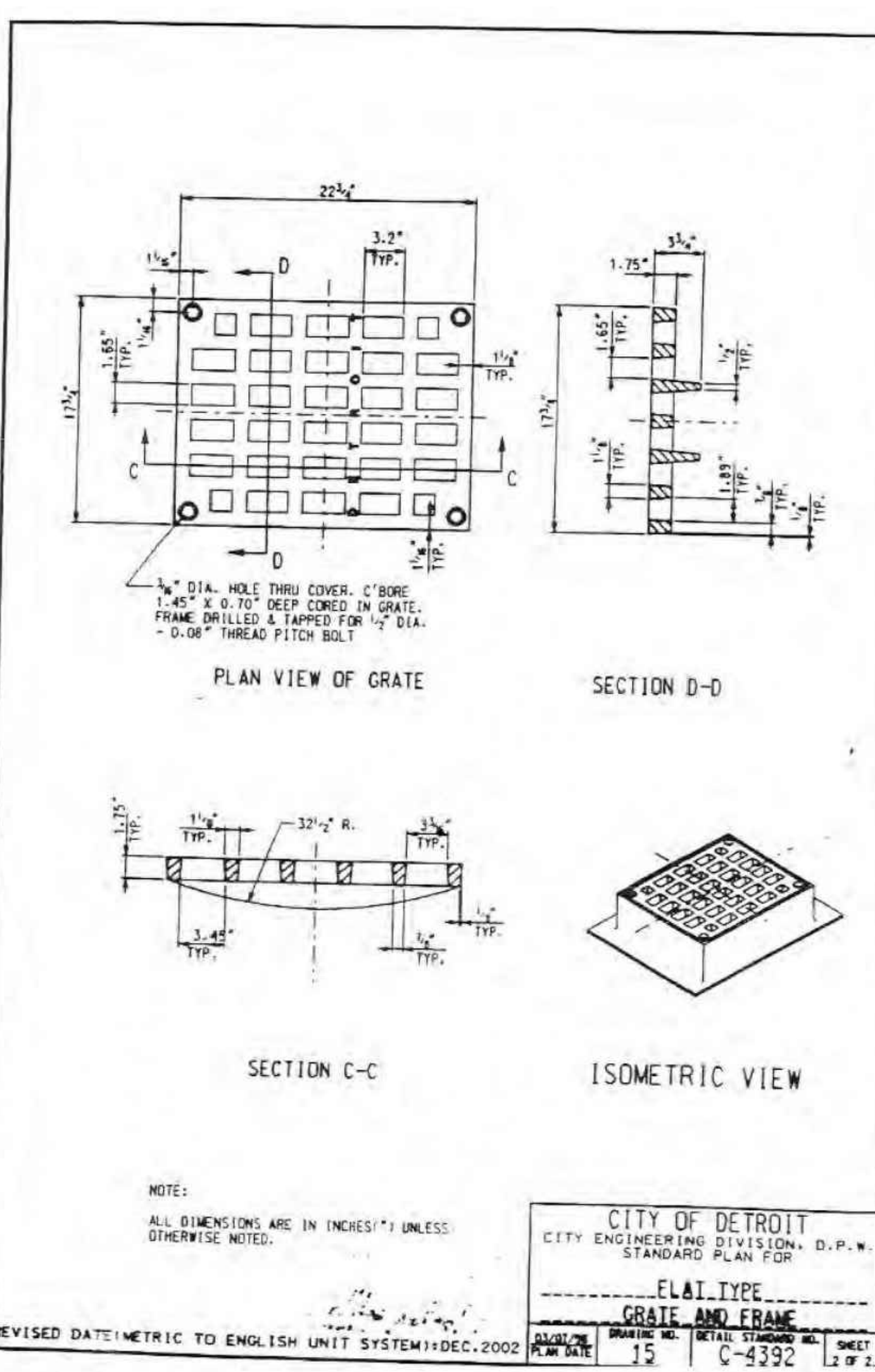
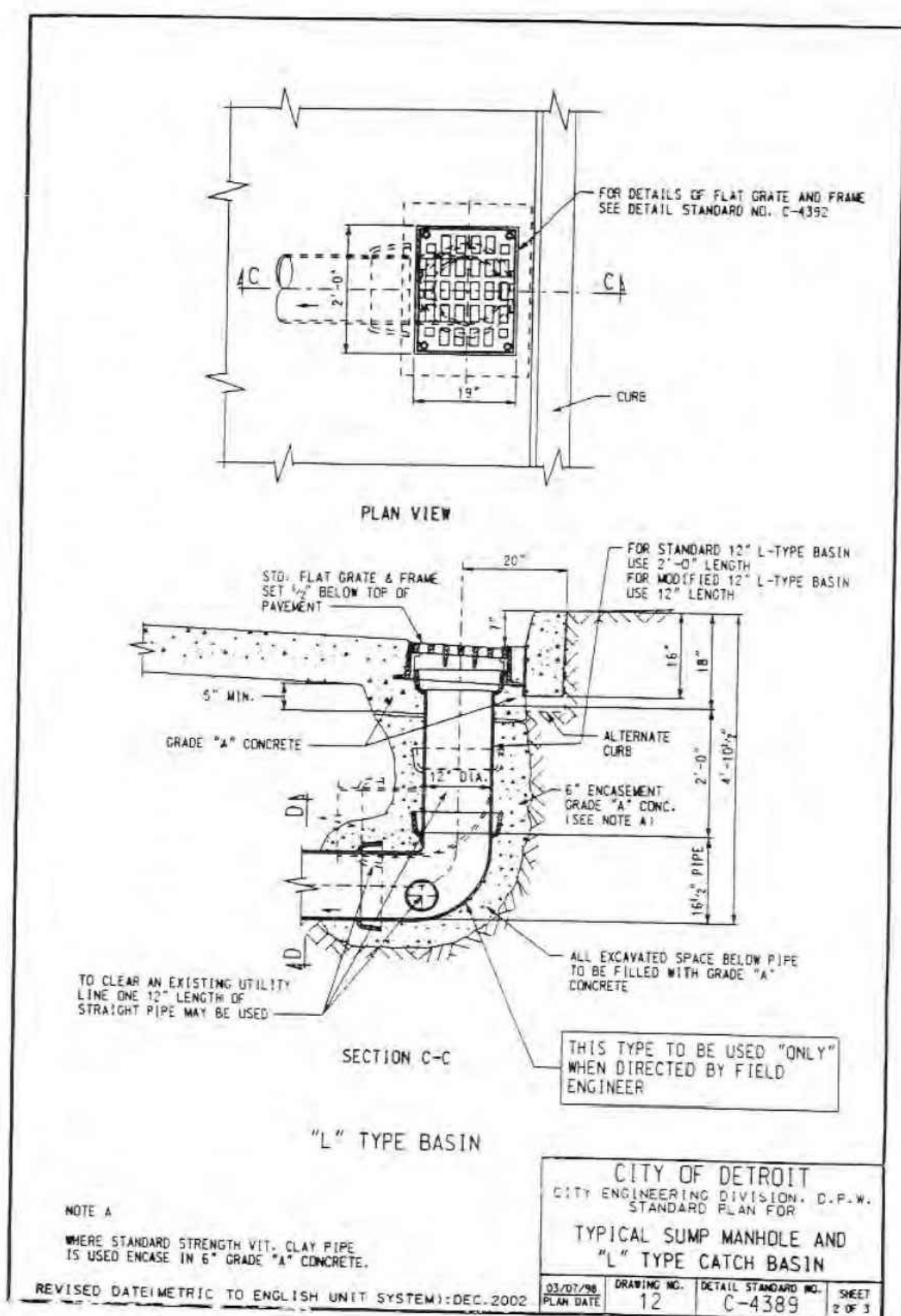
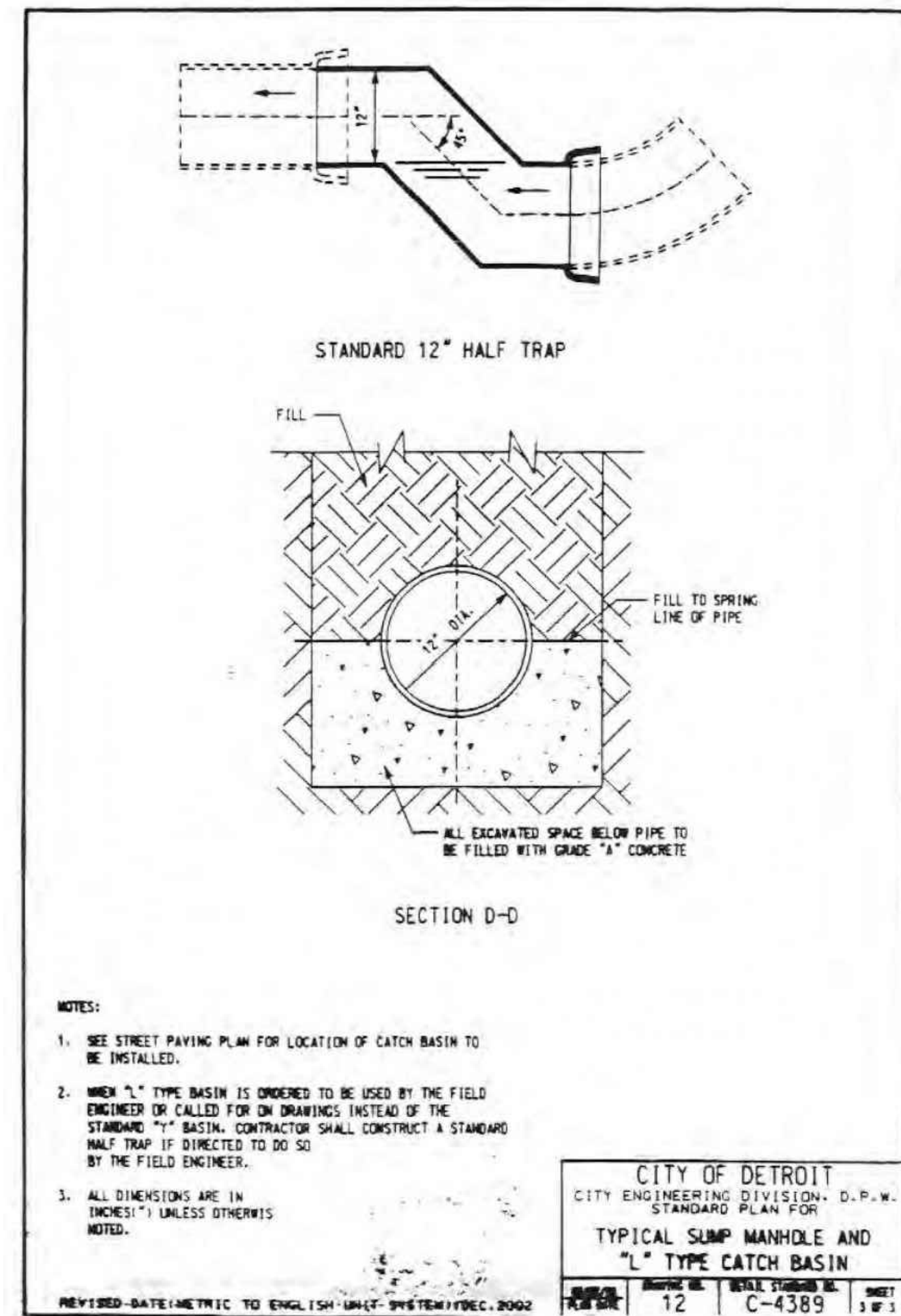
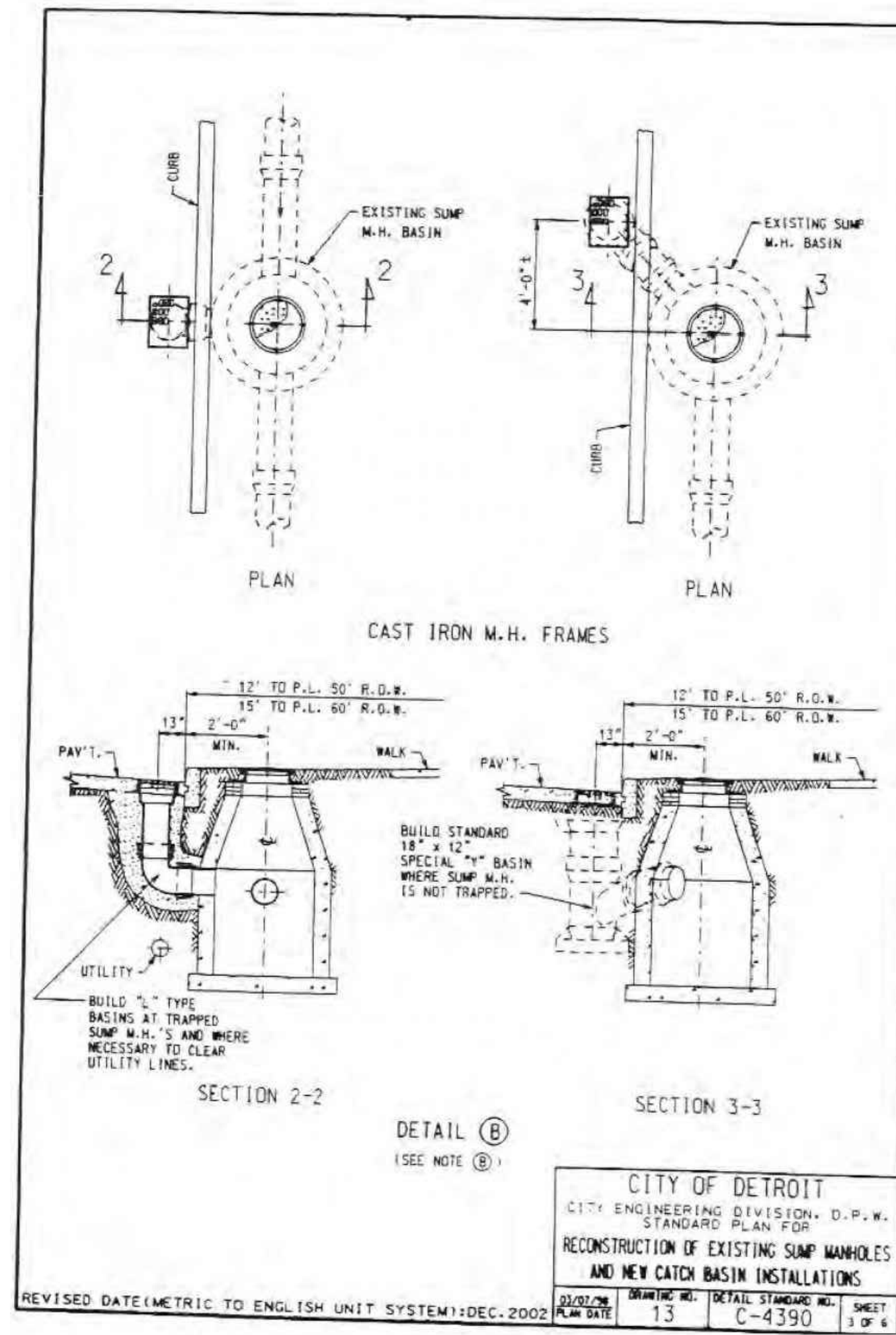
Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

DETAILS - UTILITIES

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date: 06.11.2021
Scale: NTS
Sheet: C501
Project: 19483.00D



Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	



Know what's below.
Call before you dig.

DATE	ISSUE
7.9.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

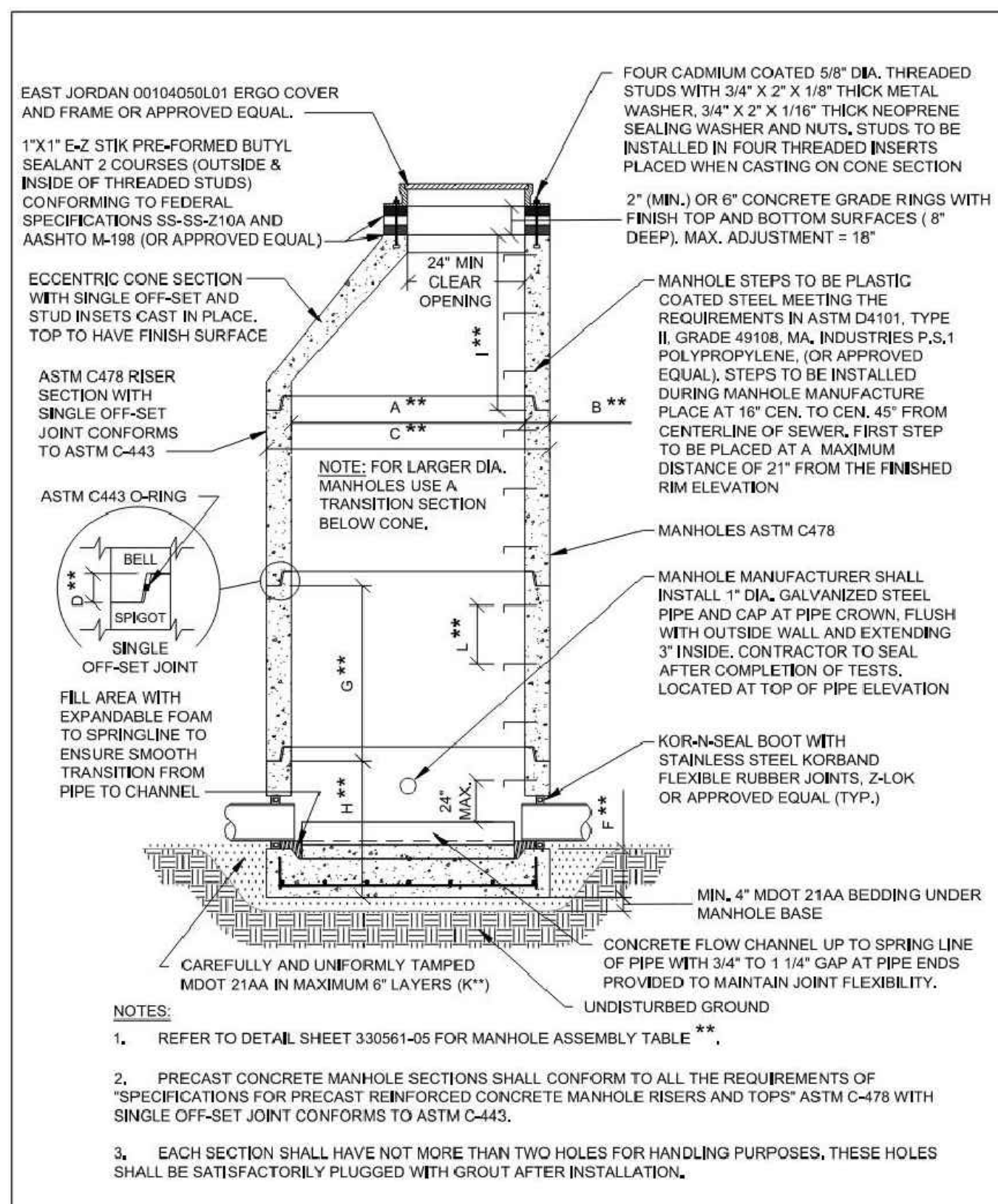
Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

DETAILS - UTILITIES

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

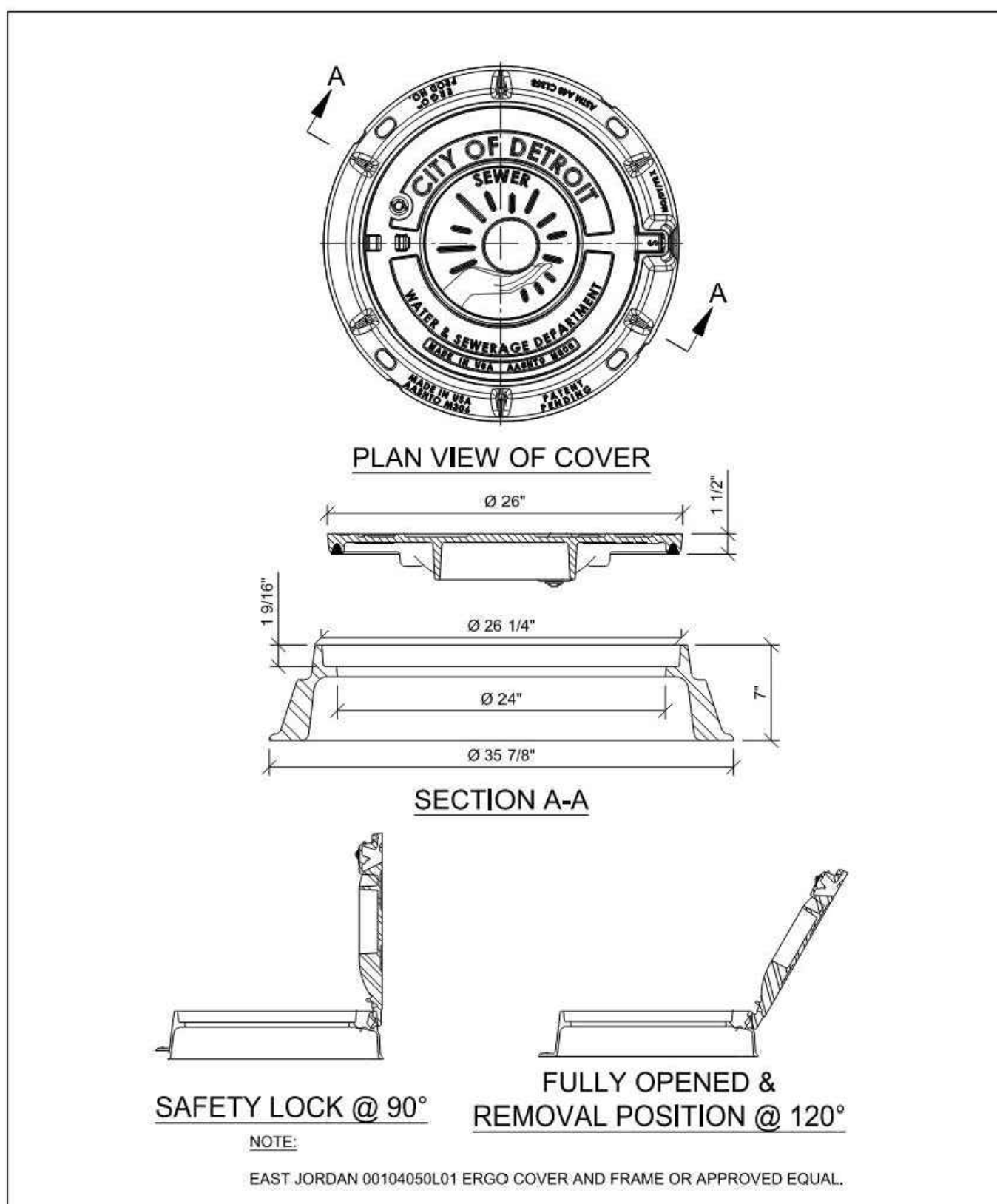
Date:	06.11.2021
Scale:	NTS
Sheet:	C502
Project:	19483.00D



1	UPDATED	06/2020
REV	DESCRIPTION	DATE
REVISIONS		

CITY OF DETROIT
WATER AND SEWERAGE DEPARTMENT
ENGINEERING DIVISION

SCALE: NONE SHEET 1 OF 1
DATE: 09/2018 DWG. No. 330561-02

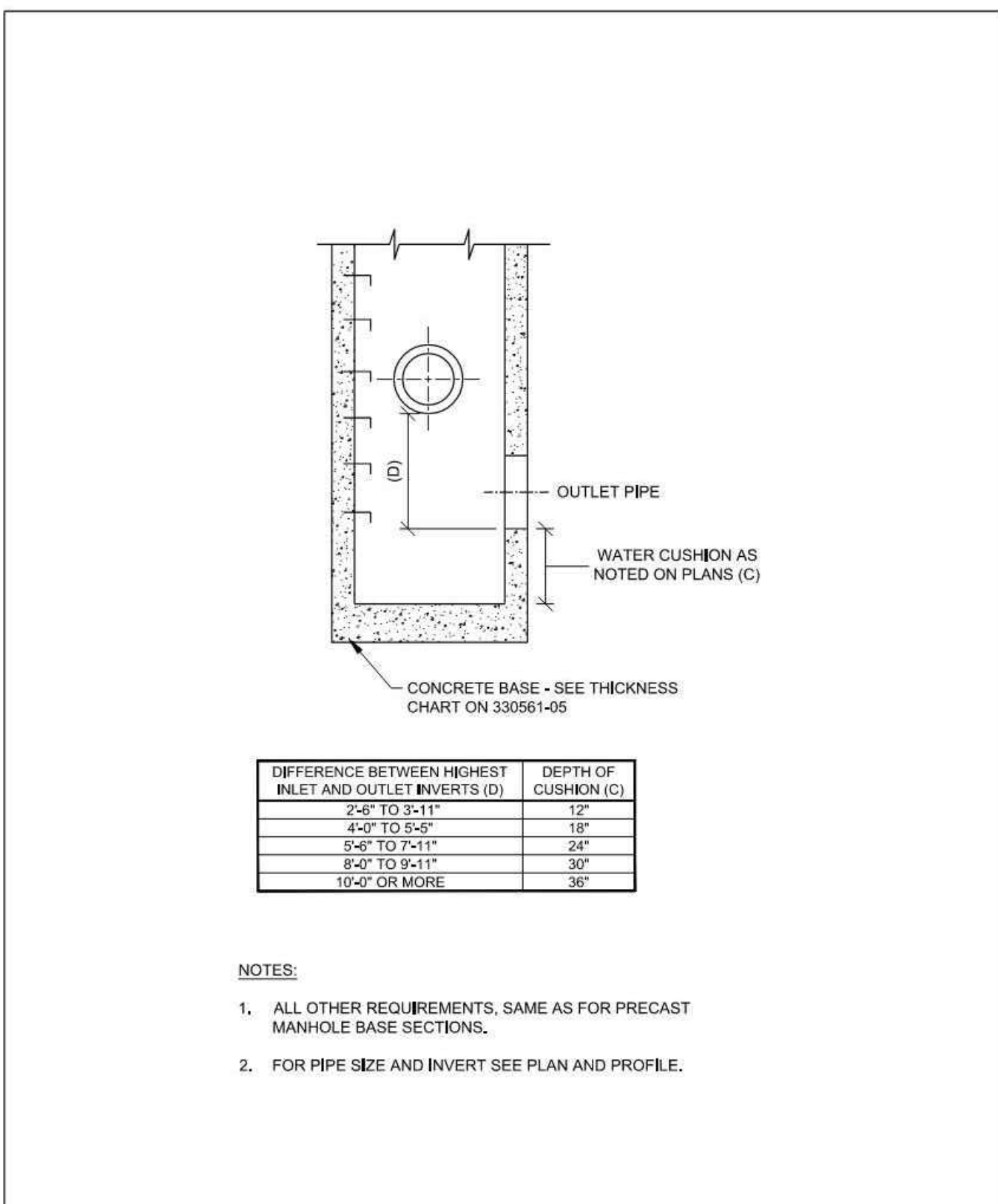


1	UPDATED	06/2020
REV	DESCRIPTION	DATE
REVISIONS		

MANHOLE FRAME AND COVER WITH LOGO - SEWER

CITY OF DETROIT
WATER AND SEWERAGE DEPARTMENT
ENGINEERING DIVISION

SCALE: NONE SHEET 1 OF 1
DATE: 9/2018 DWG. No. 330561-03



1	UPDATED	06/2020
REV	DESCRIPTION	DATE
REVISIONS		

CITY OF DETROIT
WATER AND SEWERAGE DEPARTMENT
ENGINEERING DIVISION

SCALE: NONE SHEET 1 OF 1
DATE: 09/2018 DWG. No. 330561-04

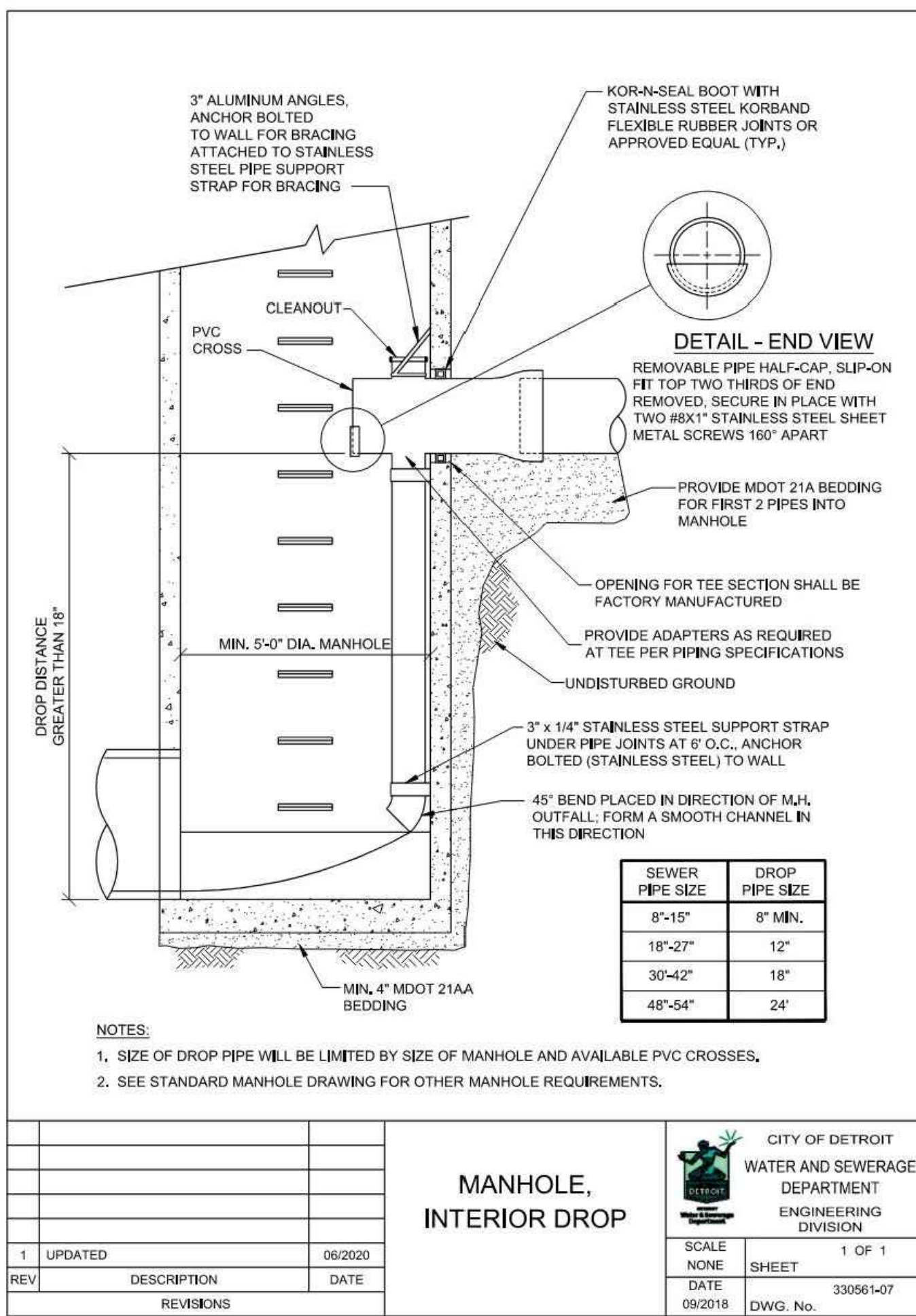
REVISIONS	DESCRIPTION	DATE
1	UPDATED	06/2020

MANHOLE ASSEMBLY

CITY OF DETROIT
WATER AND SEWERAGE DEPARTMENT
ENGINEERING DIVISION

SCALE: NONE SHEET 1 OF 1
DATE: 09/2018 DWG. No. 330561-05

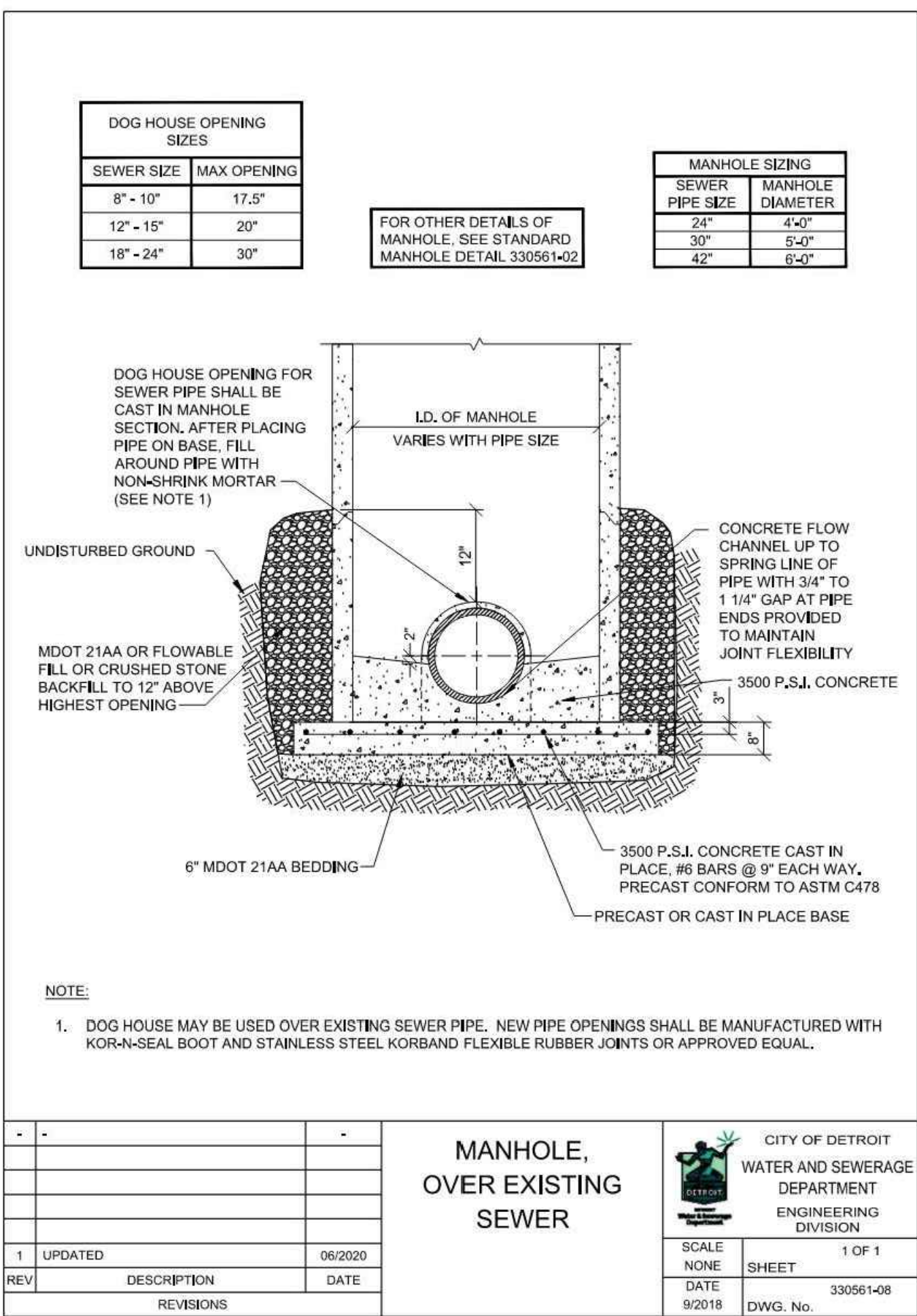
REVISIONS	DESCRIPTION	DATE
1	UPDATED	06/2020



1	UPDATED	06/2020
REV	DESCRIPTION	DATE
REVISIONS		

CITY OF DETROIT
WATER AND SEWERAGE DEPARTMENT
ENGINEERING DIVISION

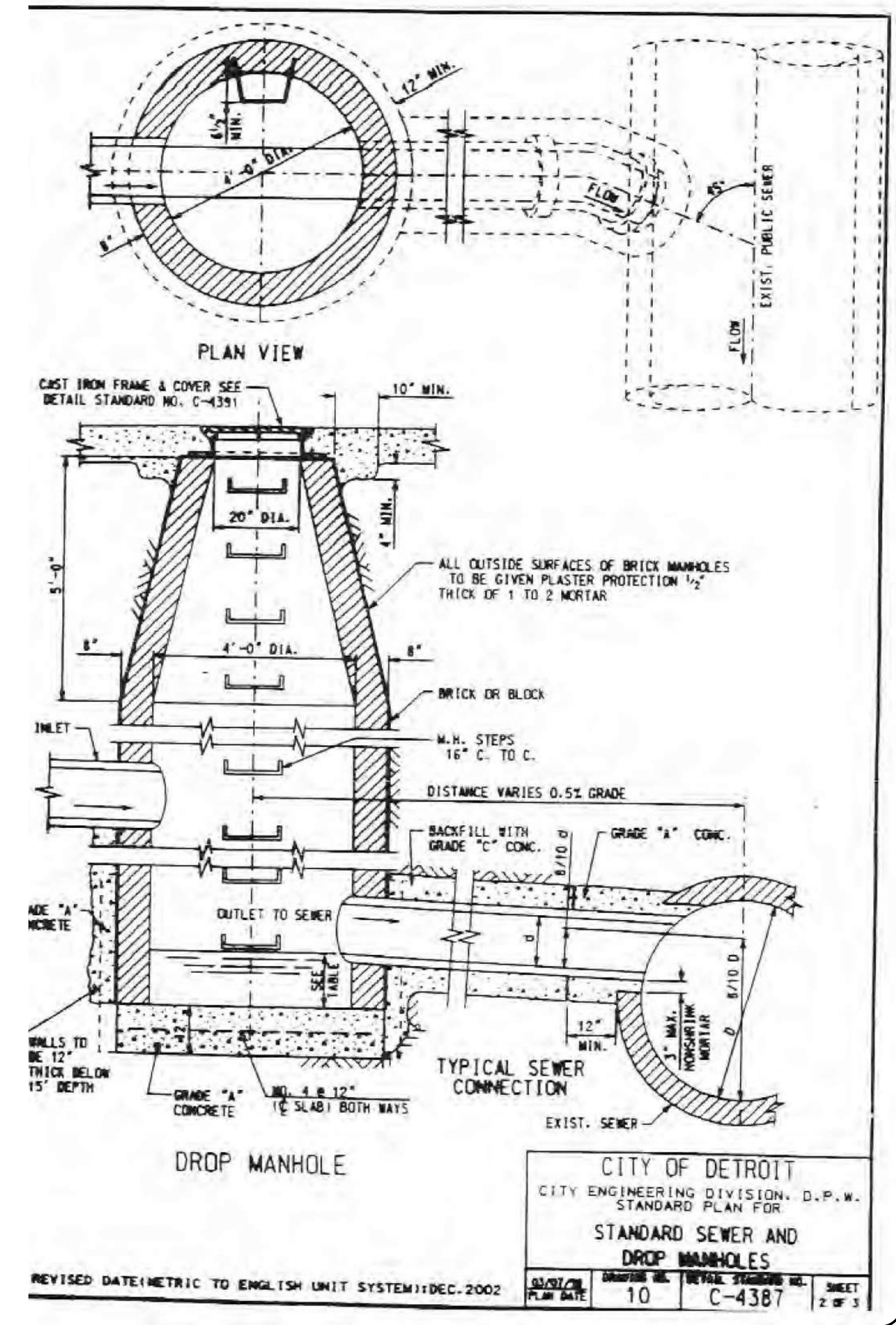
SCALE: NONE SHEET 1 OF 1
DATE: 09/2018 DWG. No. 330561-07



1	UPDATED	06/2020
REV	DESCRIPTION	DATE
REVISIONS		

CITY OF DETROIT
WATER AND SEWERAGE DEPARTMENT
ENGINEERING DIVISION

SCALE: NONE SHEET 1 OF 1
DATE: 09/2018 DWG. No. 330561-08



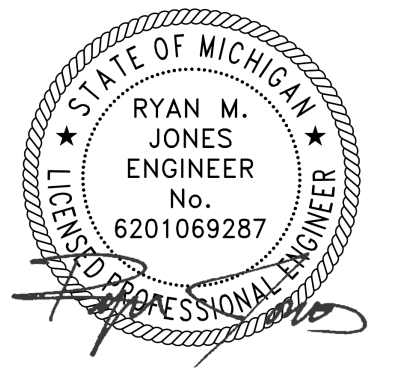
1	UPDATED	06/2020
REV	DESCRIPTION	DATE
REVISIONS		

CITY OF DETROIT
WATER AND SEWERAGE DEPARTMENT
ENGINEERING DIVISION

SCALE: NONE SHEET 1 OF 1
DATE: 09/2018 DWG. No. 330561-08

Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
7.9.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

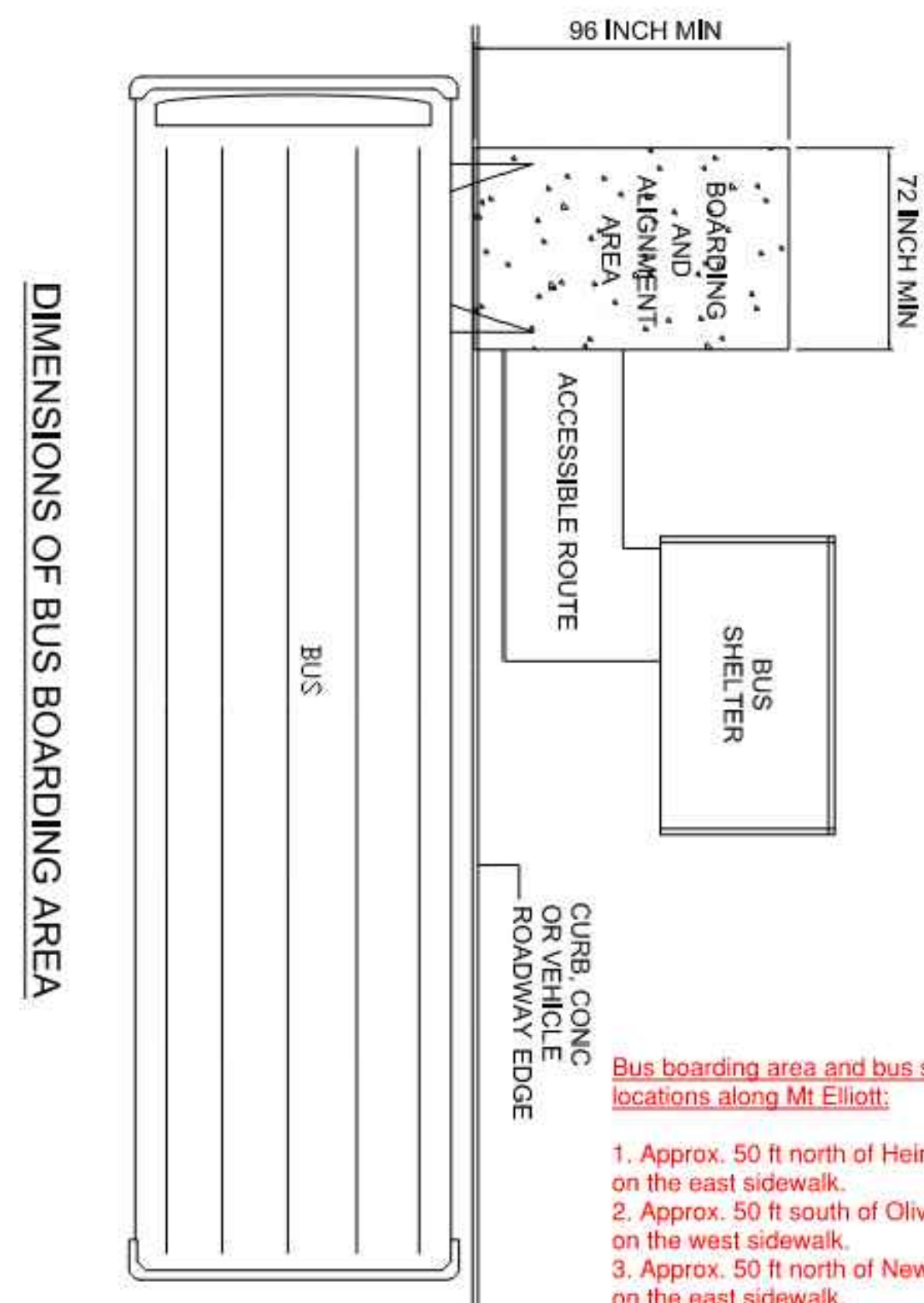
Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

DETAILS - UTILITIES

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	09.16.2021
Scale:	NTS
Sheet:	C503
Project:	19483.00D

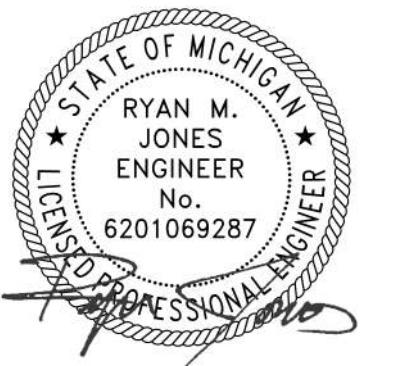


DIMENSIONS OF BUS BOARDING AREA

- Bus boarding area and bus stop locations along Mt Elliott:
1. Approx. 50 ft north of Heintz Street on the east sidewalk.
 2. Approx. 50 ft south of Oliver Street on the west sidewalk.
 3. Approx. 50 ft north of Newhall Street on the east sidewalk.
 4. Approx. 50 ft south of Dodge Street on the west sidewalk.

Executive:	MGD
Manager:	MGD
Designer:	RMJ/TAB
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
7.9.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
11.18.2020	ADDENDUM 01
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:

Economic Development
Corporation of the City of Detroit

500 Griswold Street, Suite 2200
Detroit, MI 48226

P: 313.963.2940

DETAILS - SESC

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	NTS
Sheet:	C504
Project:	19483.00D

BAG DETAIL

2 EACH DUMP STRAPS
EXPANSION RESTRAINT (1/4" NYLON ROPE 2" FLAT WASHERS)
DUMP STRAP
1" REBAR FOR BAG REMOVAL FROM INLET
DEPTH
HEIGHT
LENGTH
WIDTH

INSTALLATION DETAIL

EXIST. CATCH BASIN OR INLET
POLYPROPYLENE BOOT
GRATE
CATCH BASIN
FILTER BAG

NOTE:
TEMPORARY INLET SEDIMENT FILTER TO BE INSTALLED ON ALL PAVED CATCH BASINS OR STORM INLETS. SEDIMENT FILTERS TO BE SIMILAR TO:

- "SILTSACK" TYPE B, REGULAR FLOW, BY ACF ENVIRONMENTAL, INC.
- "INLET PRO SEDIMENT BAG", STANDARD FLOW, WITH OPTIONAL FOAM DEFLECTOR BY HANES GEO COMPONENTS.
- "DANDY CURB SACK" BY DANDY PRODUCTS, INC.
- "BASIN BAG", REGULAR FLOW BY CSI GEOTURF, CLEAN FILTER AS NEEDED.

GENERAL NOTES

- CONTRACTOR SHALL OBTAIN PERMISSION OF THE ENFORCING ROAD AGENCY BEFORE THIS TYPE OF CONTROL IS CONSTRUCTED IN THE ROAD RIGHT-OF-WAY.
- CONTRACTOR SHALL KEEP CURBS & GUTTER INLET FILTERS (AFTER PAVING) IN PLACE UNTIL ALL AREAS CONTRIBUTING TO THEM ARE STABILIZED WITH VEGETATION.
- CONTRACTOR SHALL PERFORM WEEKLY INSPECTION AND MAINTENANCE TO ENSURE THAT THE CURB & GUTTER INLET FILTER (AFTER PAVING) OPERATES EFFICIENTLY.

REV	DESCRIPTION	DATE

INLET PROTECTION FABRIC DROP

CITY OF DETROIT
WATER AND SEWERAGE DEPARTMENT
ENGINEERING DIVISION

SCALE: NONE
SHEET: 1 OF 1
DATE: 09/2018
DWG. No.: 015713-05

ELEVATION

SILT FENCE JOINT, SEE DETAIL BELOW
6" MAX
30"
6" ANCHOR TRENCH
GRADE

SECTION A-A

HEAVY DUTY CORROSION RESISTANT STAPLES, MIN. (5) PER LATH ON THE UPSLOPE SIDE
1 1/2" X 1 1/2" WOODEN POST
GROUND LINE WITH UNDISTURBED VEGETATION
FILTER FABRIC FROM MDOT QUALIFIED PRODUCT LIST
30" WOODEN LATH X 3/8" THICK
RIDGE OF COMPACTED BACKFILL
6" X 6" ANCHOR TRENCH
SHEET FLOW
EXISTING SOIL
FILTER FABRIC EXTENDS INTO TRENCH 6"
SILT FENCE A
SILT FENCE B

SILT FENCE JOINT - TOP VIEW

NOTE:
FABRIC TO BE WRAPPED AROUND FENCE POST.

GENERAL NOTE:
SILT FENCE MATERIAL SHALL MEET THE REQUIREMENTS IN SECTION 910.04 AND TABLE 910-1 IN MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.

REV	DESCRIPTION	DATE

EROSION CONTROL, SILT FENCE

CITY OF DETROIT
WATER AND SEWERAGE DEPARTMENT
ENGINEERING DIVISION

SCALE: NONE
SHEET: 1 OF 1
DATE: 09/2018
DWG. No.: 015713-02

SPACING 6' MAX
FENCE POSTS DRIVEN INTO GROUND 1' MIN
GEOTEXTILE FILTER FABRIC
6" ANCHOR TRENCH
FRONT VIEW

SEE JOINT DETAIL
SHEET FLOW
COMPACTED EARTH
GEOTEXTILE FILTER FABRIC
UNDISTURBED VEGETATION
FENCE POST
PLAN VIEW

GEOTEXTILE FILTER FABRIC FASTENED ON UPSLOPE SIDE, TOWARDS EARTH DISRUPTION
RIDGE OF COMPACTED EARTH ON UPSLOPE SIDE OF FILTER FABRIC
SHEET FLOW
6" X 6" ANCHOR TRENCH
UNDISTURBED VEGETATION
SIDE VIEW

POSTS
TOP VIEW
SECTION A
SECTION B
COUPLER
SECTION A
SECTION B
JOINT DETAIL

SEDIMENT CONTROL FENCE

SCALE: NTS

20' MIN. SEE PLAN FOR DIMENSIONS
20' MIN. SEE PLAN FOR DIMENSIONS
CONSTRUCTION ACCESS ROAD
2" - 3" DIAMETER COARSE AGGREGATE (6" MINIMUM THICKNESS) OVER WOVEN GEOTEXTILE LINER

GRAVEL ACCESS APPROACH

SCALE: NTS

NOTE:
AGGREGATE PAD IS REQUIRED TO PROVIDE BUFFER AREA WHERE VEHICLES CAN DROP MUD AND SEDIMENT TO AVOID TRANSPORTING IT ONTO PAVED ROADS. TO CONTROL EROSION FROM SURFACE RUNOFF AND TO HELP CONTROL DUST, PAD SHALL BE INSTALLED AND MAINTAINED AS SPECIFIED ON THE SOIL EROSION CONTROL PLAN.

SHEET FLOW
SCARIFY THE FINISH GRADE PERPENDICULAR TO THE SLOPE
GEOTEXTILE FILTER FABRIC BAG
GRATE PLACED OVER FILTER BAG
DUMP STRAPS 2 EACH
PLAN VIEW

GRATE PLACED OVER FILTER BAG
FINISHED GRADE
OVERFLOW
POLYPROPYLENE FILTER BAG
SECTION VIEW

NOTE:

- TEMPORARY SEDIMENT INLET FILTER TO BE INSTALLED ON ALL PAVED CATCH BASINS OR STORM INLETS, OR AS SPECIFIED ON THE SOIL EROSION CONTROL PLAN.
- INLET FILTER TO BE SIMILAR TO "STEARWARD" AS MANUFACTURED BY STORMWATER SERVICES CORPORATION (006-767-0441) OR "SILTSACK" AS MANUFACTURED BY ATLANTIC CONSTRUCTION FABRICS, INC. (800-448-3630).
- CLEAN FILTER AS NEEDED, OR AS REQUIRED BY THE SOIL EROSION CONTROL PLAN.

SEDIMENT INLET FILTER

SCALE: NTS

EROSION CONTROL NOTES

- REFER TO THE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS AND RESPONSIBILITIES.
- ALL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE WAYNE COUNTY DEPARTMENT OF ENVIRONMENT.
- ANY EROSION AND SEDIMENTATION FROM WORK ON THIS SITE SHALL BE CONTAINED WITHIN THE WORK AREA AND NOT ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR IN WATERWAYS. (WATERWAYS INCLUDE BOTH NATURAL AND MAN-MADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES, PONDS AND WETLANDS)
- THE CONTRACTOR SHALL APPLY TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES AS DIRECTED ON THESE PLANS AND WHENEVER OTHERWISE REQUIRED BY THE WORK. THE CONTRACTOR SHALL REMOVE TEMPORARY MEASURES AS SOON AS PERMANENT STABILIZATION OF SLOPES, DITCHES, AND OTHER CHANGES HAVE BEEN ACCOMPLISHED.
- SOIL EROSION CONTROL PRACTICES WILL BE ESTABLISHED IN EARLY STAGES OF CONSTRUCTION BY THE CONTRACTOR. SEDIMENTATION CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTING OF DIRT OUT OF THE WORK AREA.
- THE CONTRACTOR SHALL PRESERVE NATURAL VEGETATION AS MUCH AS POSSIBLE.
- PROTECT ALL EXISTING TREES, INCLUDING THEIR BRANCHES AND ROOTS, FROM DAMAGE DUE TO THIS WORK UNLESS SPECIFICALLY IDENTIFIED FOR REMOVAL.
- VEGETATION STABILIZATION OF ALL DISTURBED AREAS SHALL BE ESTABLISHED WITHIN 15 DAYS OF COMPLETION OF FINAL GRADING.
- THE CONTRACTOR SHALL SWEEP THE EXISTING STREETS SURROUNDING THE PROJECT SITE ONCE A WEEK, OR AS DIRECTED BY THE ENGINEER OR INSPECTOR. STREET SCRAPING SHALL BE PERFORMED IN CONJUNCTION WITH THIS SWEEPING ON AN AS NEEDED BASIS.
- THE SEDIMENT CONTROL FENCING INDICATED ON THIS PLAN IS NOT INTENDED TO SHOW THE EXACT LOCATION OF THE FENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE REQUIRED TO CONTAIN SEDIMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING COMPLIANCE WITH ALL APPLICABLE NPDES REGULATIONS, INCLUDING: INSPECTION, RESTORATION, AND RECORD KEEPING REQUIREMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR ON-GOING MAINTANANCE OF ALL SOIL EROSION CONTROLS AS INDICATED BY THESE PLANS.
- CONSTRUCTION ACTIVITIES (INCLUDING INSTALLATION OF PIPE AND ASSOCIATED VALVES, STRUCTURES, BACK FILLING, SURFACE RESTORATION, AND REMOVAL OF EXCESS EXCAVATED MATERIAL) SHALL BE ACCOMPLISHED IN ONE CONTINUOUS OPERATION.
- PAVEMENT AND/OR VEGETATION SHALL NOT BE STRIPPED FROM AN AREA UNLESS CONSTRUCTION ACTIVITIES ARE TO COMMENCE IN THAT AREA WITHIN THE NEXT THREE DAYS.
- IF FOR ANY REASON PERMANENT STABILIZATION CAN NOT BE PROVIDED WITHIN 15 DAYS OF THE COMPLETION OF PIPE LAYING OPERATIONS, TEMPORARY STABILIZATION SHALL BE PROVIDED AT ALL DISTURBED AREAS. TEMPORARY STABILIZATION SHALL FURTHERMORE BE PROVIDED DURING THE NON-GROWING SEASON (OCTOBER 1 THROUGH APRIL 20) FOR ALL AREAS TO BE SEEDED.
- TEMPORARY STABILIZATION SHALL CONSIST OF EITHER SMALL GRAIN STRAW OR GRASS HAY SPREAD AT THE RATE OF 1.5 TO 2 TONS PER ACRE, OR MULCH BLANKETS, WHICH SHALL BE ANCHORED IN PLACE TO PREVENT DISPLACEMENT FROM WIND AND RAIN. TEMPORARY STABILIZATION SHALL BE REPAIRED AS OFTEN AS NECESSARY, AS DETERMINED BY THE AGENCY WITH JURISDICTION.
- ALL DEWATERING SHALL BE ACCOMPLISHED IN A MANNER THAT WILL NOT CONTRIBUTE TO DEPOSITION OF SEDIMENT IN ROAD DITCHES OR OPEN WATER.
- THIS PROJECT SHALL BE CONSTRUCTED IN COMPLIANCE WITH PART 91 OF ACT 451 OF 1994, AS AMENDED.
- SEDIMENT CONTROL FENCING SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND SEVERAL TIMES DURING PROLONGED STORM EVENTS. IF THE FENCE IS SAGGING, OR SOIL HAS REACHED ONE HALF OF THE HEIGHT OF THE FABRIC, THE SOIL BEHIND THE FABRIC SHALL BE REMOVED AND DISPOSED OF IN A STABLE AREA OF THE SITE. IF WATER IS SEEPING UNDER THE FENCE, OR THE FABRIC IS DECOMPOSED OR OTHERWISE INEFFECTIVE, THE FENCE SHALL BE REMOVED AND PROPERLY REINSTALLED AS INDICATED ON THESE PLANS.
- MUD MAT ENTRANCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH STORM RAINFALL. THE SURROUNDING ROADS SHALL ALSO BE INSPECTED AT THIS TIME FOR EVIDENCE THAT MUD IS BEING TRACKED OFF OF THE SITE. MAINTENANCE SHALL INCLUDE THE INSTALLATION OF ADDITIONAL LAYERS OF STONE WHEN THE ORIGINAL STONE BECOMES COVERED WITH MUD. ALL SEDIMENT DROPPED OR TRACKED ONTO PUBLIC RIGHT-OF-WAYS SHALL BE REMOVED IMMEDIATELY BY SWEEPING AND SCRAPING (AS MAY BE REQUIRED BY THE ENGINEER).
- SEDIMENT INLET FILTERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND SEVERAL TIMES DURNING PROLONGED STORM EVENTS. THE FILTERS SHALL BE CLEANED PERIODICALLY THROUGHOUT CONSTRUCTION TO AVOID CLOGGING. FILTERS THAT CANNOT BE MAINTAINED BY CLEANING SHALL BE COMPLETELY REPLACED.

SOIL EROSION CONTROL SEQUENCE

- OBTAIN ALL NECESSARY CITY, COUNTY, AND STATE PERMITS.
- CONTRACTOR MUST SUBMIT A NOTICE OF COVERAGE APPLICATION WITH DESIGNATED AGENT SIGNATURE 48 HOURS PRIOR TO COMMENCING WORK.
- INSTALL MUD MAT AT LOCATION SHOWN AND MAINTAIN DAILY.
- INSTALL PERIMETER SILT FENCE AND INLET FILTERS ON EXISTING CATCH BASINS. NO CLEARING OR GRADING MAY BEGIN UNTIL ALL PERIMETER SEDIMENT CONTROL DEVICES ARE IN PLACE AND FUNCTIONAL.
- COMMENCE SITE GRADING AND STOCK PILE TOPSOIL IN LOCATION APPROVED BY OWNER AND ENGINEER. A RING OF SILT FENCE SHALL BE INSTALLED SURROUNDING ANY STOCKPILED MATERIAL.
- DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEEDED AND WATERED. FREQUENT WATERING AS NEEDED OF EXCAVATION AND FILL AREAS SHALL BE DONE TO MINIMIZE WIND EROSION.
- TRANSITION GRADING ACTIVITIES FROM MASS GRADING TO FINE GRADING.
- INSTALL SANITARY SEWER, WATER MAIN AND STORM DRAINAGE SYSTEM.
- INSTALL INLET/OUTLET PROTECTION AT THE LOCATIONS OF ALL GRATE INLETS, CURB INLETS, AND AT THE ENDS OF ALL EXPOSED STORM SEWER PIPES.
- INSTALL ALL FRANCHISED UTILITIES (PHONE, GAS, AND ELECTRIC). IT IS THE CONTRACTOR'S RESPONSIBILITY TO GRADE AND STABILIZE DISTURBANCES DUE TO THE INSTALLATION OF PUBLIC UTILITIES.
- FINALIZE PAVEMENT SUBGRADE PREPARATION. CONSTRUCT ALL CURB AND GUTTER. INLET PROTECTION MAY BE REMOVED TEMPORARILY FOR THIS CONSTRUCTION. PLACE REQUIRED RIPRAP AT LOCATIONS SHOWN ON THE PLANS.
- REMOVE INLET PROTECTION AROUND INLETS AND MANHOLES NO MORE THAN 48 HOURS PRIOR TO PLACING FIRST LEVEL OF PAVING COURSE.
- REPLACE INLET PROTECTION AROUND INLETS AND MANHOLES NO MORE THAN 48 HOURS SUBSEQUENT TO FINISHING FINAL PAVING COURSE.
- DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE CEASED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEEDED AND WATERED. FREQUENT WATERING AS NEEDED OF EXCAVATION AND FILL AREAS SHALL BE DONE TO MINIMIZE WIND EROSION.
- REMOVE TEMPORARY CONSTRUCTION EXITS ONLY PRIOR TO PAVEMENT CONSTRUCTION IN THESE AREAS (THESE AREAS ARE TO BE PAVED LAST).
- INSTALL PAVEMENT COMPLETELY, REPAIR OR REPLACE INLET FILTERS AS REQUIRED.
- COMPLETE GRADING, SEEDING AND PLANTING
- REMOVE SILT FENCING AND INLET FILTERS AFTER ALL PAVING IS COMPLETE AND EXPOSED SURFACES ARE STABILIZED.
- VEGETATION SHALL BE ESTABLISHED WITHIN 5 DAYS OF FINAL GRADE, OR WHENEVER DISTURBED AREAS WILL REMAIN UNCHANGED FOR 30 DAYS OR GREATER. 3-4" OF TOPSOIL WILL BE USED WHERE VEGETATION IS REQUIRED.

EROSION CONTROL SEQUENCE OF CONSTRUCTION		
	START DAY	END DAY
INSTALL STONE ACCESS DRIVE ATOP GEOTEXTILE LINER, SILT FENCE, AND INLET FILTERS	1	4
DEMOLITION, GRADE AND BALANCE AS REQUIRED.	5	28
INSTALL UNDERGROUND UTILITIES	29	63
COMPLETE PAVEMENT AND CLEAN OUT STORM SEWER SYSTEM	64	133
COMPLETE SITE LANDSCAPING	134	147
REMOVE CATCH BASIN FILTERS AND SILT FENCE FOLLOWING COUNTY APPROVAL	148	150



Know what's below.
Call before you dig.

DATE	ISSUE
7.9.2020	CITY OF DETROIT BIDDING
9.4.2020	ISSUED FOR BID
11.18.2020	ADDENDUM 01
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:

Economic Development
Corporation of the City of Detroit

500 Griswold Street, Suite 2200
Detroit, MI 48226

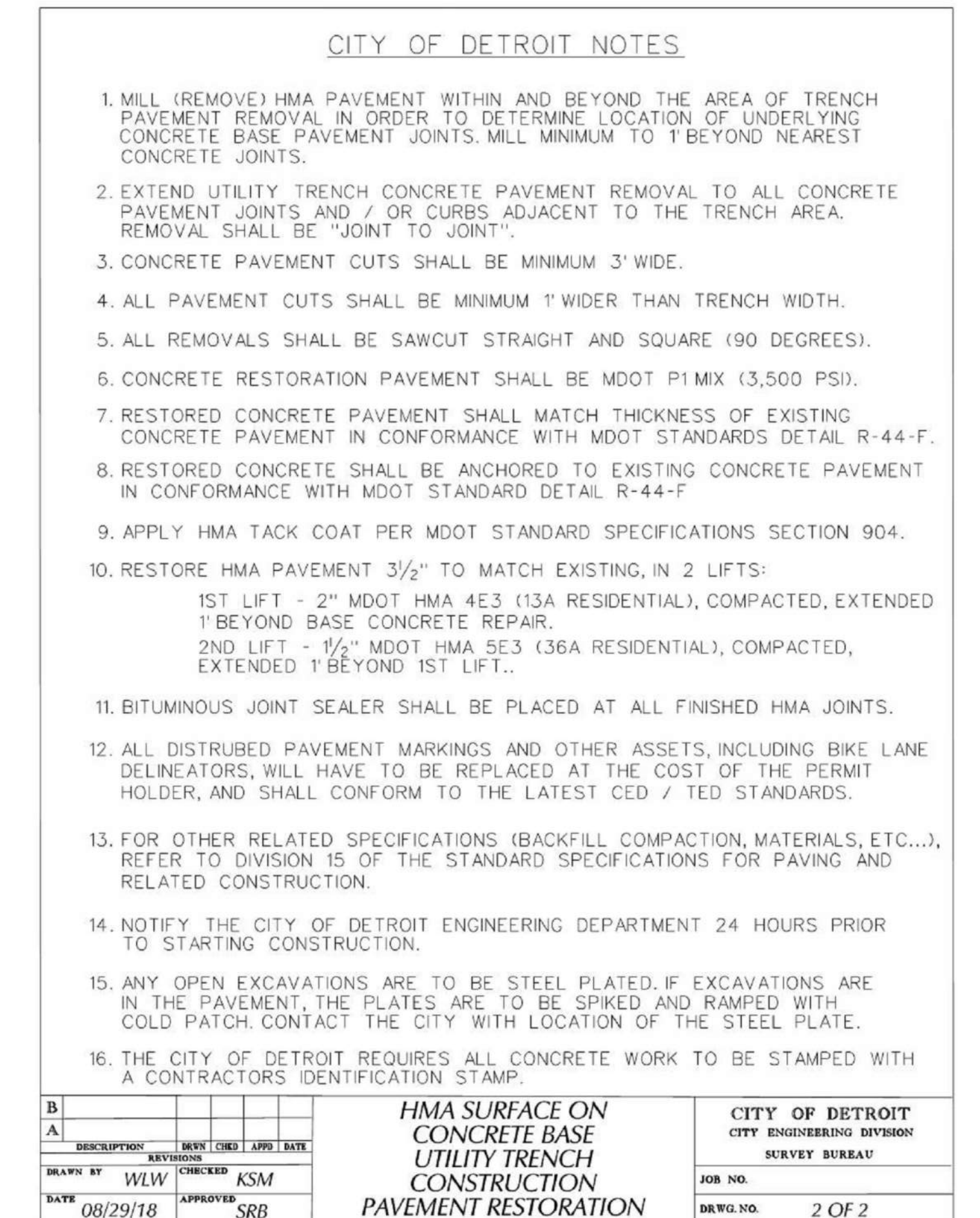
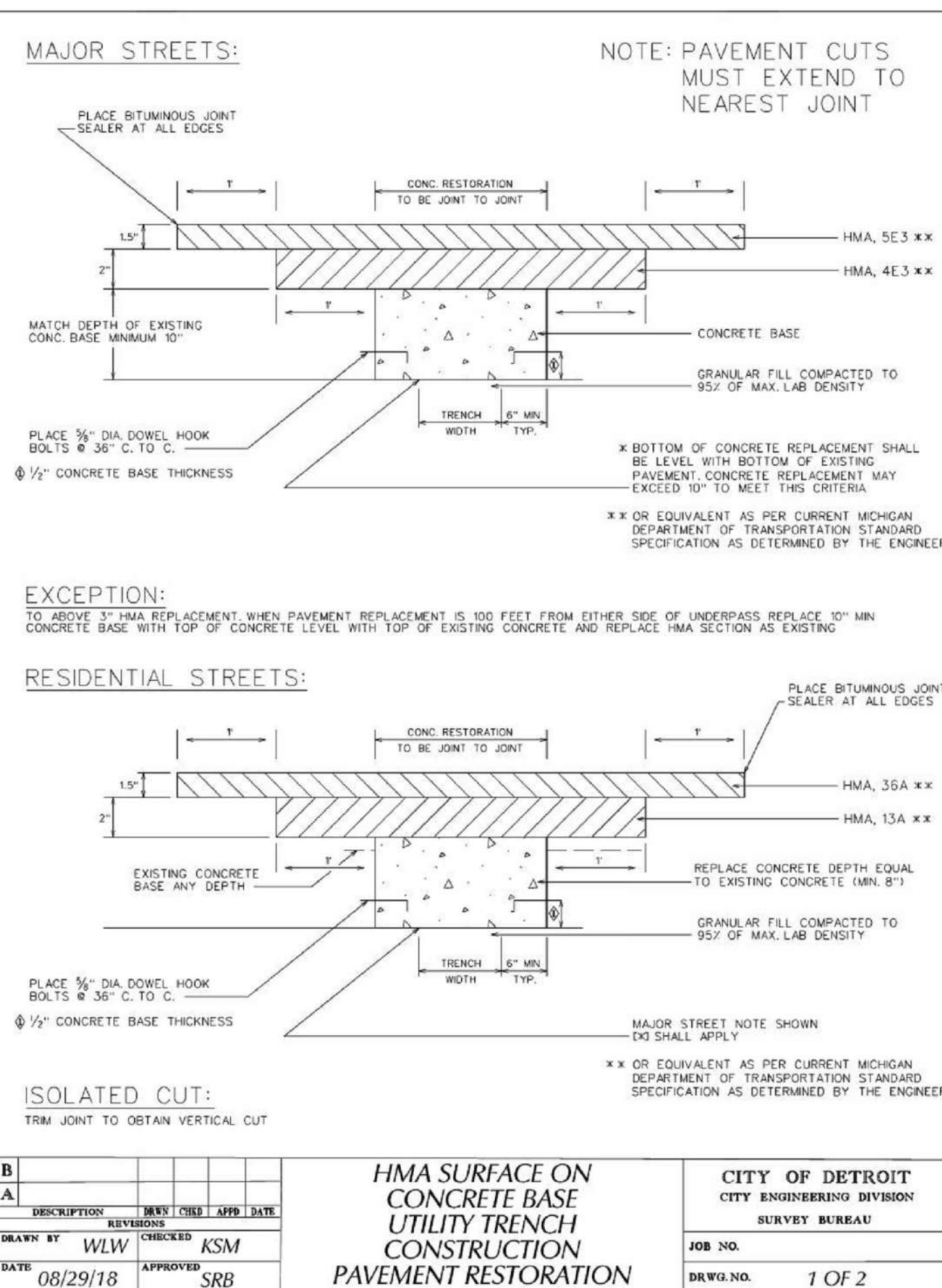
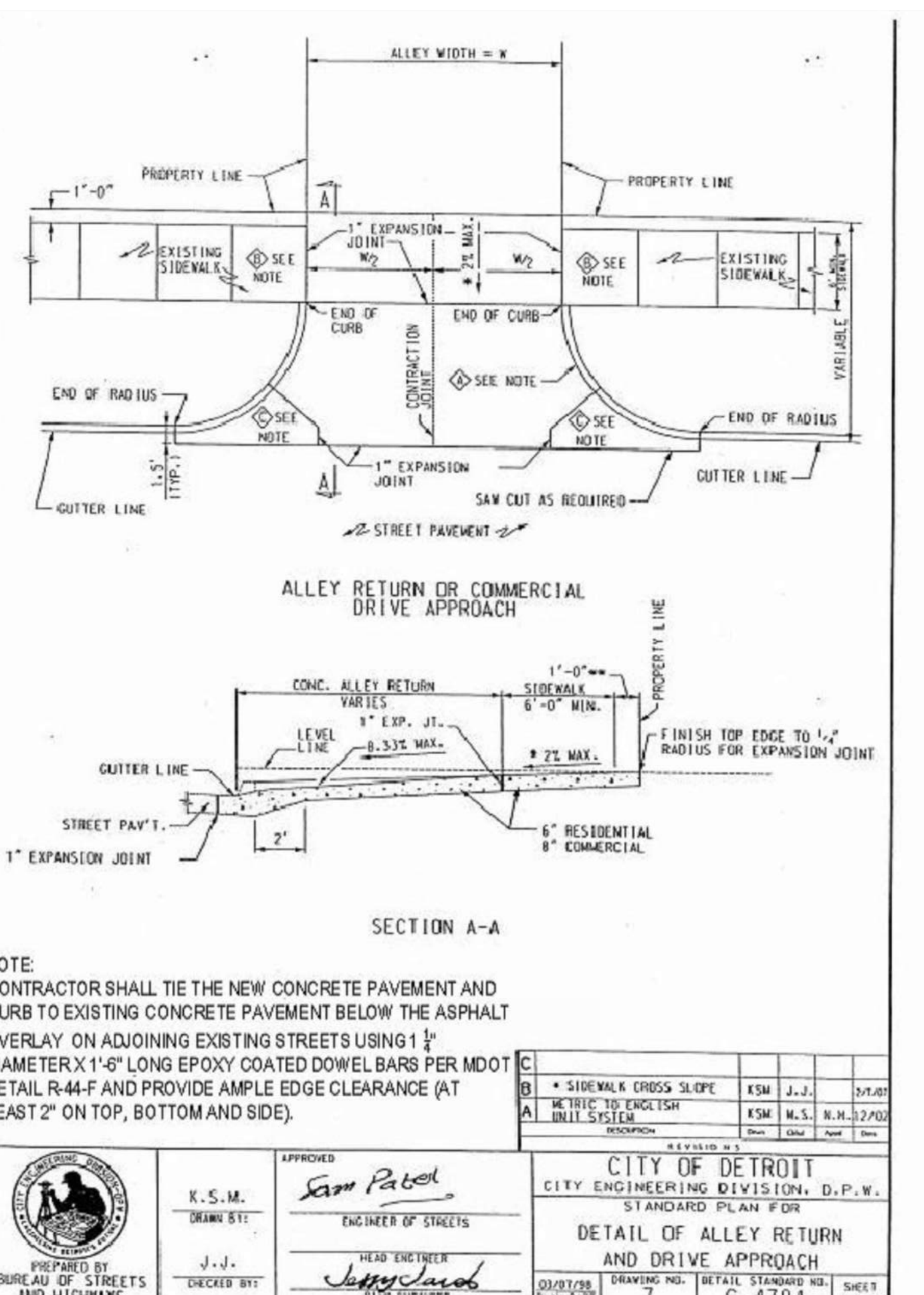
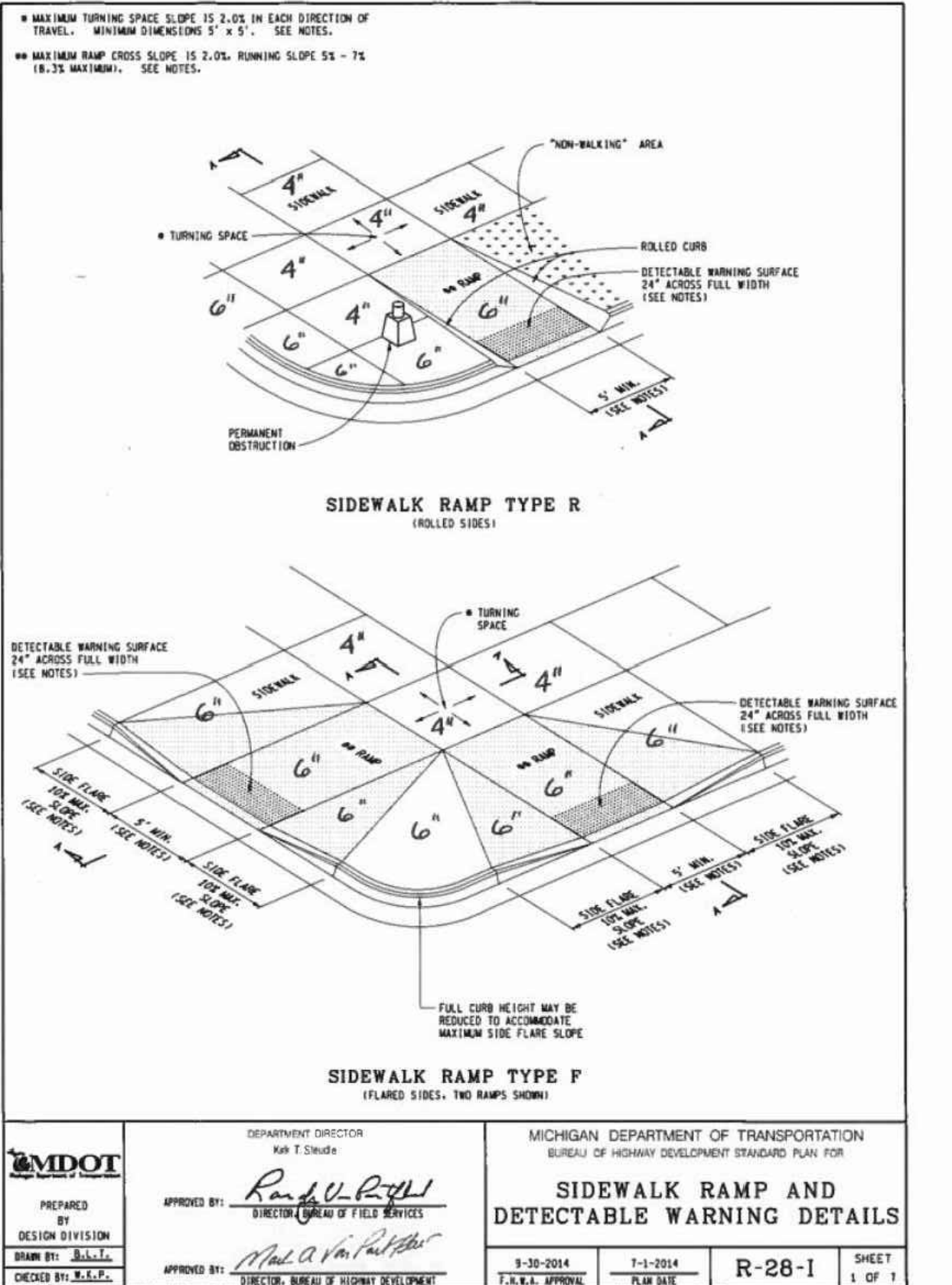
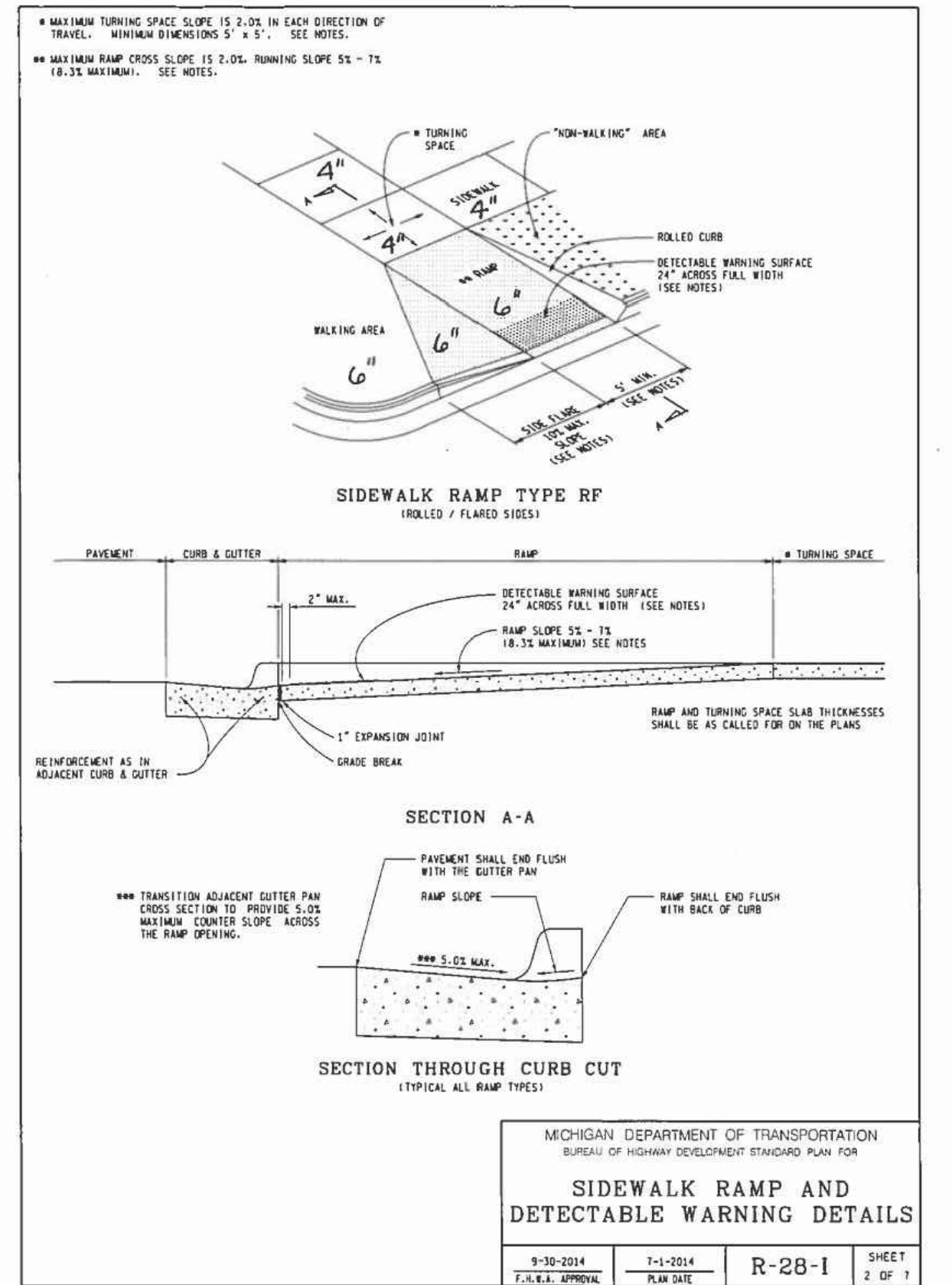
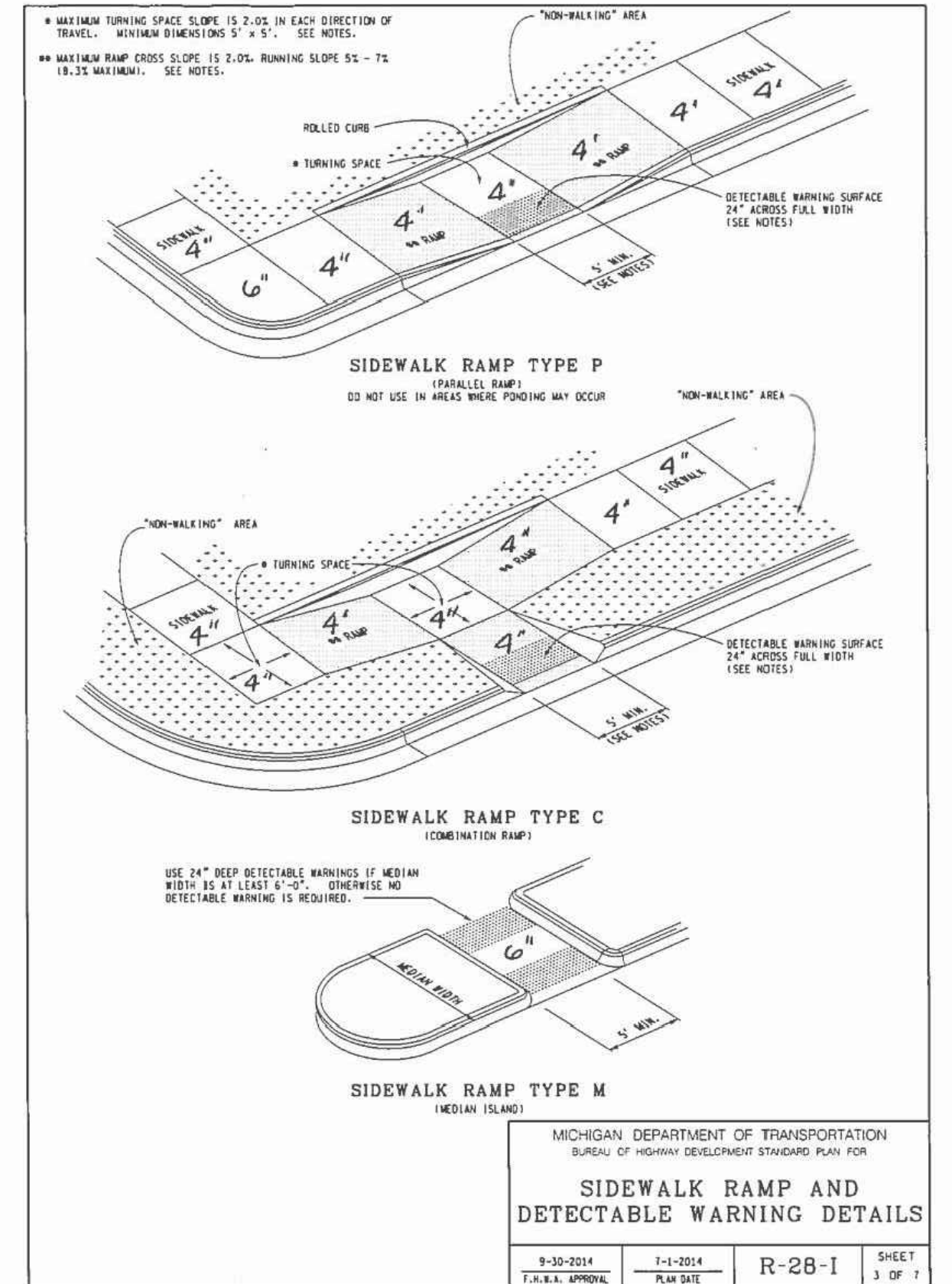
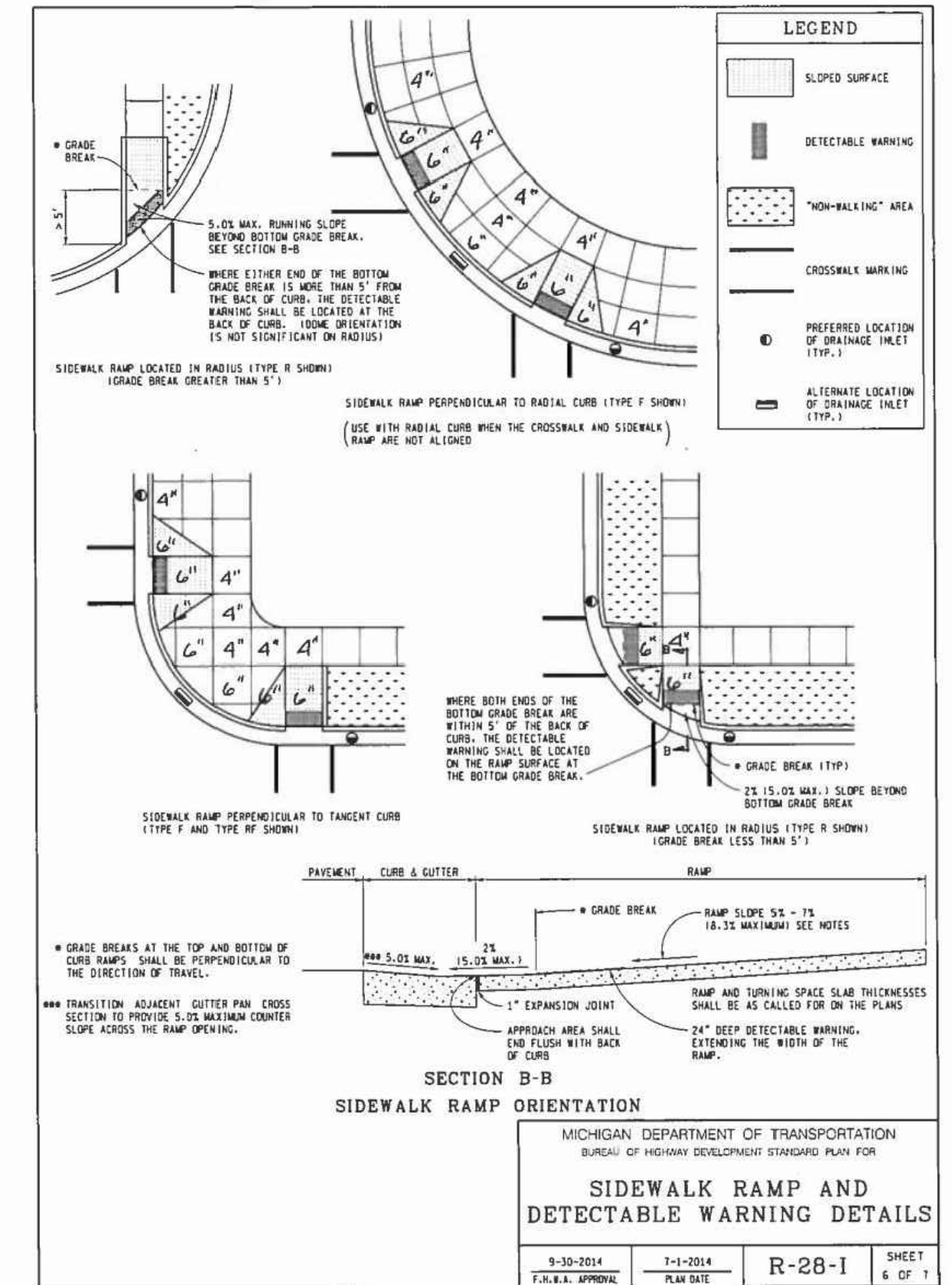
P: 313.963.2940

DETAILS - PAVING

Mt Elliott Street Reconstruction

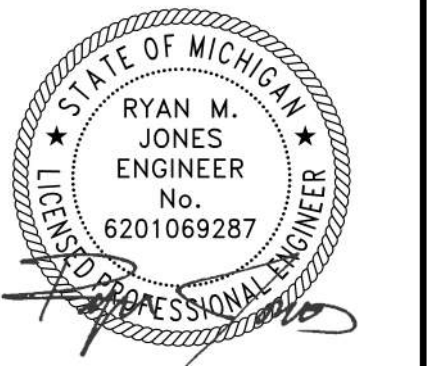
City of Detroit
Wayne County
Michigan

Date: 06.11.2021
Scale: NTS
Sheet: C505
Project: 19483.00D



Executive:	MGD
Manager:	MGD
Designer:	MAA
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	

Professional Seal:



DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

PAVEMENT MARKING AND SIGNAGE PLAN
STA 10+00 TO 14+75

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C700
Project:	19483.00D

Copyright © 2021 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.

PAVEMENT MARKING KEY NOTES

- 1 4 INCH. SOLID YELLOW, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING.
- 2 4 INCH. SOLID WHITE, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING.
- 3 4 INCH. BROKEN WHITE, 10' DASH AND 30' CLEAR SPACE, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING PER TED STANDARD DETAIL SG-50 ON SHEET C709.
- 4 18 INCH. SOLID WHITE, COLD PLASTIC OVERLAY, RECESSED, STOP BAR PAVEMENT MARKING PER TED STANDARD DETAIL SG-090 ON SHEET C709.
- 5 12 INCH. SOLID WHITE, COLD PLASTIC OVERLAY, RECESSED, PEDESTRIAN CROSSWALK PAVEMENT MARKINGS 3 FEET ON CENTER PER TED STANDARD DETAIL SG-090 ON SHEET C709.
- 6 WHITE, COLD PLASTIC OVERLAY LEFT TURN ARROW AND 'ONLY' SYMBOLS PER TED STANDARD DETAIL SG-50 ON SHEET C709. REMOVE CURING COMPOUND PRIOR TO INSTALLATION.

SIGNAGE KEY NOTES

- 1 SIGN, TYPE IIIA PER MDOT SPECIFICATION SECTION 810.
- 2 SIGN, TYPE IIIB PER MDOT SPECIFICATION SECTION 810.
- 3 SIGN, TYPE IIB PER MDOT SPECIFICATION SECTION 810.
- 4 BAND SIGN, PER MDOT DETAIL ON SHEET C708.
- 5 POST, STEEL, 3 LB. SEE DETAILS ON SHEET C707.
- 6 POST HOLE THROUGH CONC FOR STEEL POST.
- 7 24" CANTILEVER SIGN BRACKET FOR DOUBLE-FACED SIGN. SEE DETAIL ON SHEET C708.
- 8 SIGN, TYPE III, ERECT, SALV PER MDOT SPECIFICATION SECTION 810.

SIGNAGE QUANTITIES THIS SHEET

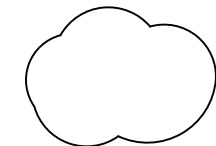
- 39 SFT SIGN, TYPE III A
- 5 SFT SIGN, TYPE IIIB
- 3 SFT SIGN, TYPE II B
- 8 EA BAND SIGN
- 84 FT POST, STEEL, 3 LB
- 5 EA POST HOLE THROUGH CONC FOR STEEL POST
- 4 EA CANTILEVER BRACKET, 24 INCH, SIGN

PAVEMENT MARKING QUANTITIES THIS SHEET

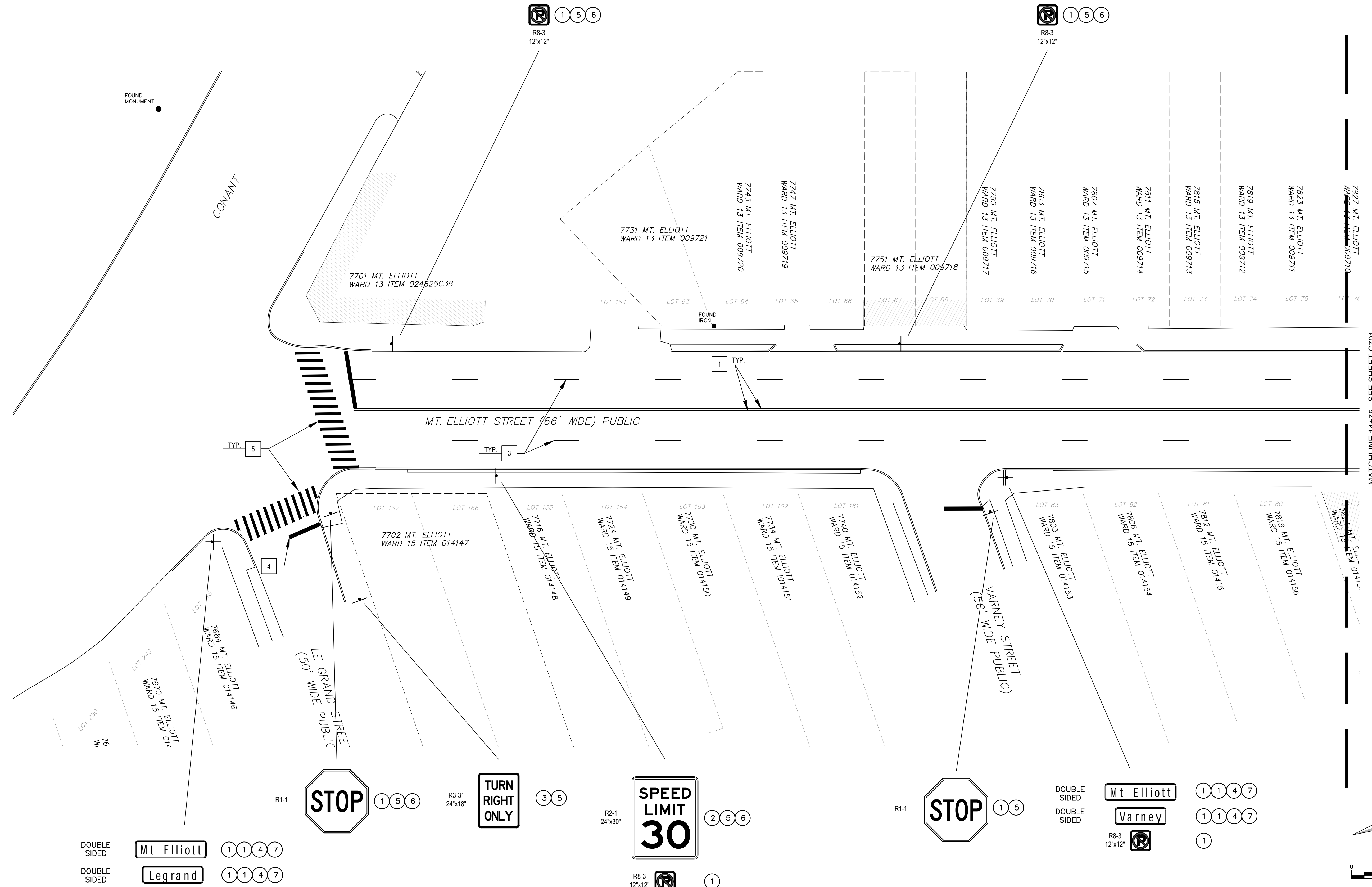
- 270 FT PAVT MRKG, OVLY COLD PLASTIC, 12 INCH, CROSSWALK
- 51 FT PAVT MRKG, OVLY COLD PLASTIC, 18 INCH, STOP BAR
- 190 FT PAVT MRKG, SPRAYABLE THERMOPL, 4 INCH, WHITE
- 779 FT PAVT MRKG, SPRAYABLE THERMOPL, 4 INCH, YELLOW
- 374 SFT RECESSING PAVT MRKG, TRANSV

LEGEND

CUSTOM SIGN TO REMAIN



SIGN TO BE REMOVED



PAVEMENT MARKING QUANTITIES THIS SHEET

16 FT	PAVT MRKG, OVLY COLD PLASTIC, 18 INCH, STOP BAR
261 FT	PAVT MRKG, SPRAYABLE THERMOPL, 4 INCH, WHITE
1050 FT	PAVT MRKG, SPRAYABLE THERMOPL, 4 INCH, YELLOW
26 SFT	RECESSING PAVT MRKG, TRANSV

LEGEND

CUSTOM SIGN TO REMAIN



SIGN TO BE REMOVED



SIGNAGE QUANTITIES THIS SHEET

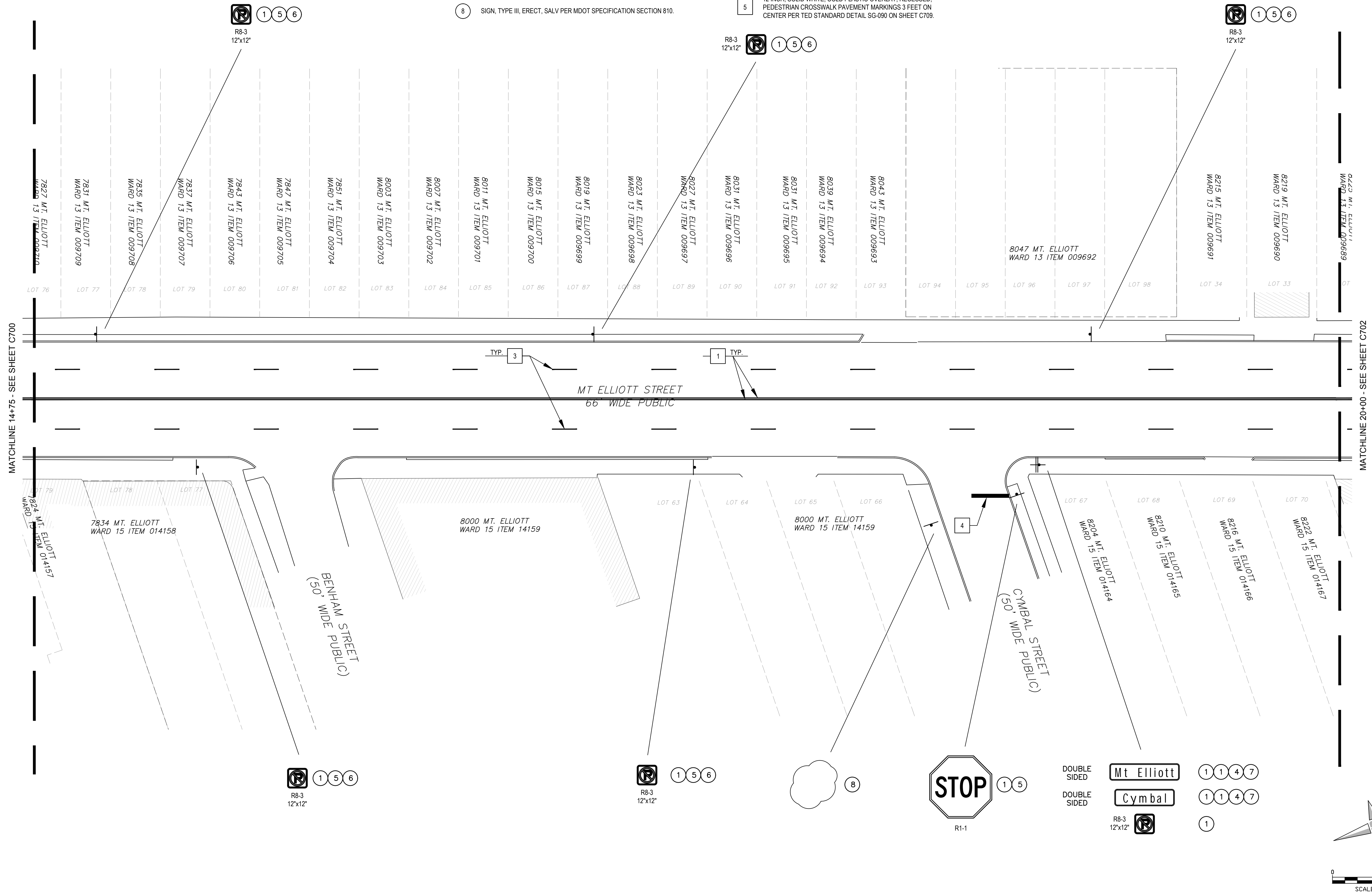
24 SFT	SIGN, TYPE III A
4 EA	BAND SIGN
84 FT	POST, STEEL, 3 LB
2 EA	CANTILEVER BRACKET, 24 INCH, SIGN
1 EA	SIGN, TYPE III, ERECT, SALV

SIGNAGE KEY NOTES

- 1 SIGN, TYPE IIIA PER MDOT SPECIFICATION SECTION 810.
- 2 SIGN, TYPE IIIB PER MDOT SPECIFICATION SECTION 810.
- 3 SIGN, TYPE IIB PER MDOT SPECIFICATION SECTION 810.
- 4 BAND SIGN, PER MDOT DETAIL ON SHEET C708.
- 5 POST, STEEL, 3 LB. SEE DETAILS ON SHEET C707.
- 6 POST HOLE THROUGH CONC FOR STEEL POST.
- 7 24" CANTILEVER SIGN BRACKET FOR DOUBLE-FACED SIGN. SEE DETAIL ON SHEET C708.
- 8 SIGN, TYPE III, ERECT, SALV PER MDOT SPECIFICATION SECTION 810.

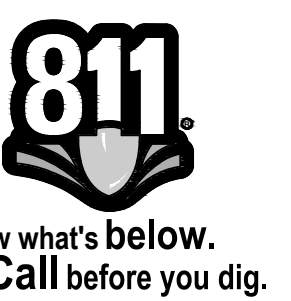
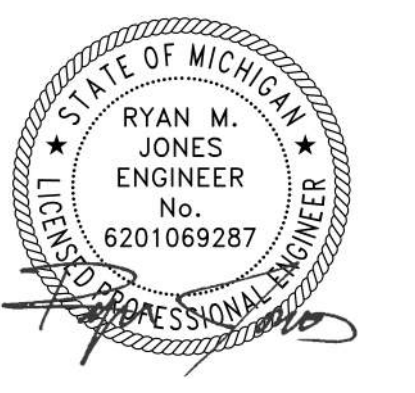
PAVEMENT MARKING KEY NOTES

- 1 4 INCH, SOLID YELLOW, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING.
- 2 4 INCH, SOLID WHITE, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING.
- 3 4 INCH, BROKEN WHITE, 10' DASH AND 30' CLEAR SPACE, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING PER TED STANDARD DETAIL SG-50 ON SHEET C709.
- 4 18 INCH, SOLID WHITE, COLD PLASTIC OVERLAY, RECESSED, STOP BAR PAVEMENT MARKING PER TED STANDARD DETAIL SG-090 ON SHEET C709.
- 5 12 INCH, SOLID WHITE, COLD PLASTIC OVERLAY, RECESSED, PEDESTRIAN CROSSWALK PAVEMENT MARKINGS 3 FEET ON CENTER PER TED STANDARD DETAIL SG-090 ON SHEET C709.
- 6 WHITE, COLD PLASTIC OVERLAY LEFT TURN ARROW AND 'ONLY' SYMBOLS PER TED STANDARD DETAIL SG-50 ON SHEET C709. REMOVE CURING COMPOUND PRIOR TO INSTALLATION.



Executive:	MGD
Manager:	MGD
Designer:	MAA
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	

Professional Seal:



DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

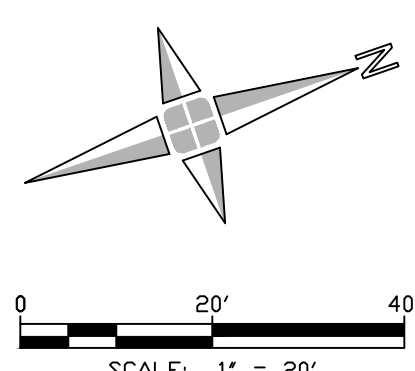
Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

PAVEMENT MARKING AND SIGNAGE PLAN
STA 14+75 TO 20+00

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C701
Project:	19483.00D



Executive:	MGD
Manager:	MGD
Designer:	MAA
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

PAVEMENT MARKING AND SIGNAGE PLAN
STA 20+00 TO 25+25

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C702
Project:	19483.00D

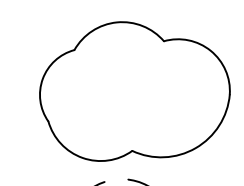
Copyright © 2021 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.

PAVEMENT MARKING QUANTITIES THIS SHEET

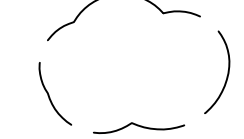
- 60 FT PAVT MRKG, OVLY COLD PLASTIC, 18 INCH, STOP BAR
- 261 FT PAVT MRKG, SPRAYABLE THERMOPL, 4 INCH, WHITE
- 1050 FT PAVT MRKG, SPRAYABLE THERMOPL, 4 INCH, YELLOW
- 95 SFT RECESSING PAVT MRKG, TRANSV

LEGEND

CUSTOM SIGN TO REMAIN



SIGN TO BE REMOVED



SIGNAGE QUANTITIES THIS SHEET

- 77 SFT SIGN, TYPE III A
- 8 EA BAND SIGN
- 126 FT POST, STEEL, 3 LB
- 4 EA POST HOLE THROUGH CONC FOR STEEL POST
- 8 EA CANTILEVER BRACKET, 24 INCH, SIGN
- 2 EA SIGN, TYPE III, ERECT, SALV

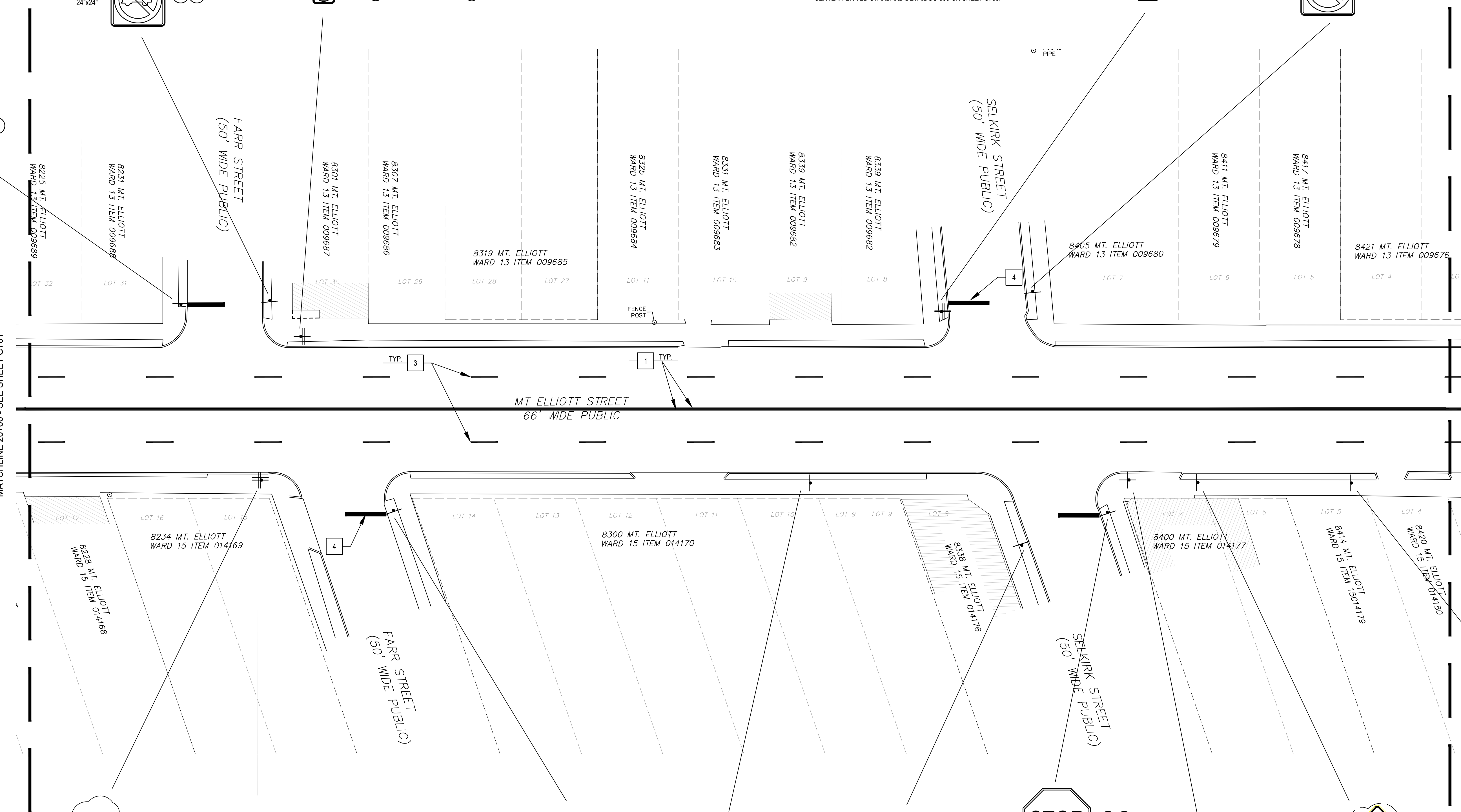
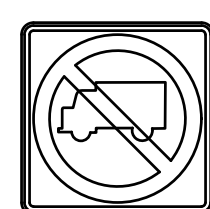
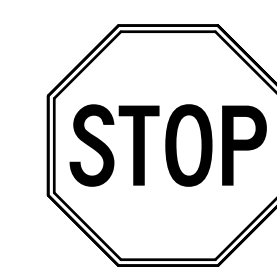
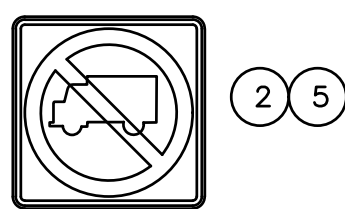
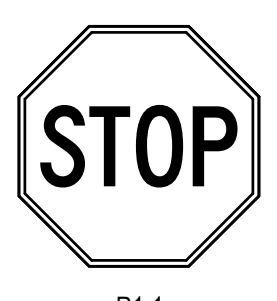
SIGNAGE KEY NOTES

- 1 SIGN, TYPE IIIA PER MDOT SPECIFICATION SECTION 810.
- 2 SIGN, TYPE IIIB PER MDOT SPECIFICATION SECTION 810.
- 3 SIGN, TYPE IIB PER MDOT SPECIFICATION SECTION 810.
- 4 BAND SIGN, PER MDOT DETAIL ON SHEET C708.
- 5 POST, STEEL, 3 LB. SEE DETAILS ON SHEET C707.
- 6 POST HOLE THROUGH CONC FOR STEEL POST.
- 7 24" CANTILEVER SIGN BRACKET FOR DOUBLE-FACED SIGN. SEE DETAIL ON SHEET C708.
- 8 SIGN, TYPE III, ERECT, SALV PER MDOT SPECIFICATION SECTION 810.

PAVEMENT MARKING KEY NOTES

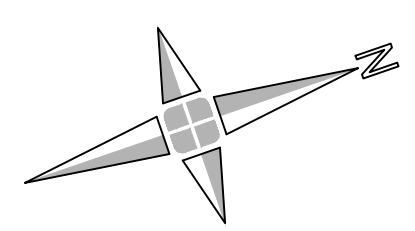
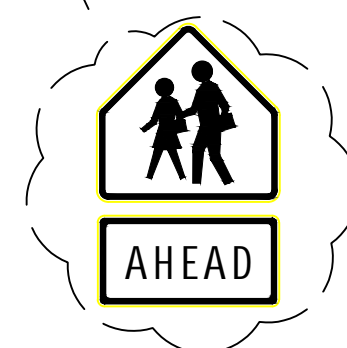
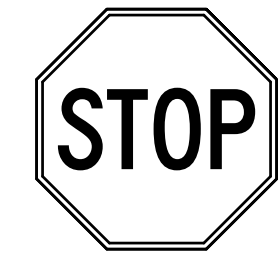
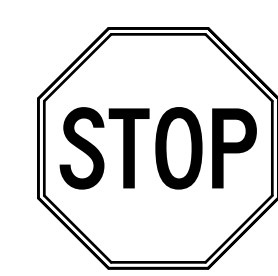
- 1 4 INCH, SOLID YELLOW, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING.
- 2 4 INCH, SOLID WHITE, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING.
- 3 4 INCH, BROKEN WHITE, 10' DASH AND 30' CLEAR SPACE, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING PER TED STANDARD DETAIL SG-50 ON SHEET C709.
- 4 18 INCH, SOLID WHITE, COLD PLASTIC OVERLAY, RECESSED, STOP BAR PAVEMENT MARKING PER TED STANDARD DETAIL SG-090 ON SHEET C709.
- 5 12 INCH, SOLID WHITE, COLD PLASTIC OVERLAY, RECESSED, PEDESTRIAN CROSSWALK PAVEMENT MARKINGS 3 FEET ON CENTER PER TED STANDARD DETAIL SG-090 ON SHEET C709.

6 WHITE, COLD PLASTIC OVERLAY LEFT TURN ARROW AND 'ONLY' SYMBOLS PER TED STANDARD DETAIL SG-50 ON SHEET C709. REMOVE CURING COMPOUND PRIOR TO INSTALLATION.



MATCHLINE 20+00 - SEE SHEET C701

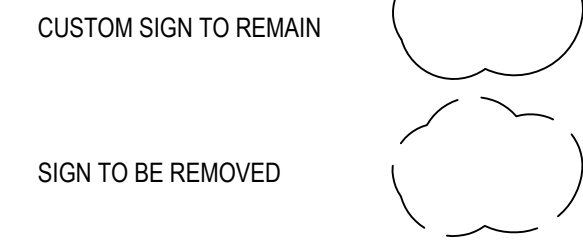
MATCHLINE 25+25 - SEE SHEET C703



PAVEMENT MARKING QUANTITIES THIS SHEET

531 FT	PAVT MRKG, OVLY COLD PLASTIC, 12 INCH, CROSSWALK
125 FT	PAVT MRKG, OVLY COLD PLASTIC, 18 INCH, STOP BAR
200 FT	PAVT MRKG, SPRAYABLE THERMOPL, 4 INCH, WHITE
826 FT	PAVT MRKG, SPRAYABLE THERMOPL, 4 INCH, YELLOW
793 SFT	RECESSING PAVT MRKG, TRANSV

LEGEND



SIGNAGE QUANTITIES THIS SHEET

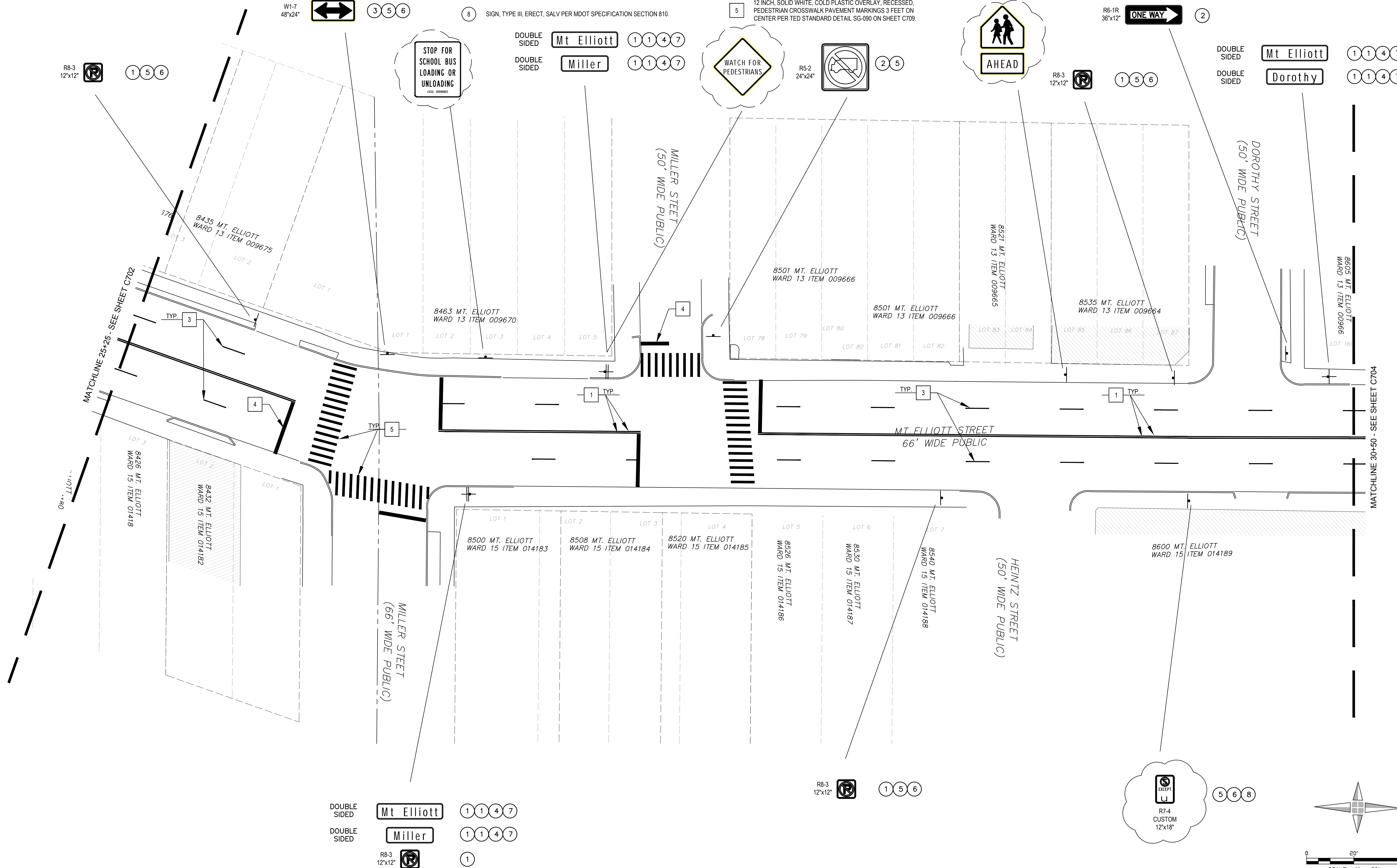
39 SFT	SIGN, TYPE III A
6 SFT	SIGN, TYPE III B
8 SFT	SIGN, TYPE II B
12 EA	BAND SIGN
110 FT	POST, STEEL, 3 LB
7 EA	POST HOLE THROUGH CONC FOR STEEL POST
6 EA	CANTILEVER BRACKET, 24 INCH, SIGN
1 EA	SIGN, TYPE III, ERECT, SALV

SIGNAGE KEY NOTES

- SIGN, TYPE IIIA PER MDOT SPECIFICATION SECTION 810.
- SIGN, TYPE IIIB PER MDOT SPECIFICATION SECTION 810.
- SIGN, TYPE IIB PER MDOT SPECIFICATION SECTION 810.
- BAND SIGN, PER MDOT DETAIL ON SHEET C708.
- POST, STEEL, 3 LB. SEE DETAILS ON SHEET C707.
- POST HOLE THROUGH CONC FOR STEEL POST.
- 24" CANTILEVER SIGN BRACKET FOR DOUBLE-FACED SIGN. SEE DETAIL ON SHEET C708.
- SIGN, TYPE III, ERECT, SALV PER MDOT SPECIFICATION SECTION 810.

PAVEMENT MARKING KEY NOTES

- 4 INCH, SOLID YELLOW, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING.
- 4 INCH, SOLID WHITE, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING.
- 4 INCH, BROKEN WHITE, 10' DASH AND 30' CLEAR SPACE, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING PER TED STANDARD DETAIL SG-50 ON SHEET C709.
- 18 INCH, SOLID WHITE, COLD PLASTIC OVERLAY, RECESSED, STOP BAR PAVEMENT MARKING PER TED STANDARD DETAIL SG-090 ON SHEET C709.
- 12 INCH, SOLID WHITE, COLD PLASTIC OVERLAY, RECESSED, PEDESTRIAN CROSSWALK PAVEMENT MARKINGS 3 FEET ON CENTER PER TED STANDARD DETAIL SG-090 ON SHEET C709.
- WHITE, COLD PLASTIC OVERLAY LEFT TURN ARROW AND 'ONLY' SYMBOLS PER TED STANDARD DETAIL SG-50 ON SHEET C709. REMOVE CURING COMPOUND PRIOR TO INSTALLATION.



giffels webster

Engineers
Surveyors
Planners
Landscape Architects

28 West Adams Road
Suite 1200
Detroit, MI 48226
p (313) 962-4442
f (313) 962-5068
www.giffelswebster.com

Executive:	MGD
Manager:	MGD
Designer:	MAA
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	

Professional Seal:

811

Know what's below.
Call before you dig.

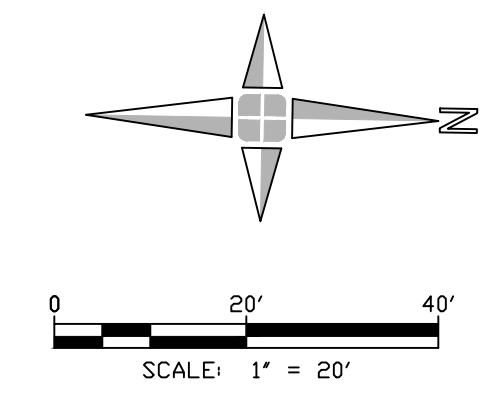
DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

PAVEMENT MARKING AND SIGNAGE PLAN
STA 25+25 TO 30+50
Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C703
Project:	19483.00D



V:\19483-00D Mt Elliott Road Project\Civil Engineering\Planst Construction Documents\Work Sheets\C700-C705 Pavement Marking and Signage Planning

PAVEMENT MARKING QUANTITIES THIS SHEET

302 FT PAVT MRKG, SPRAYABLE THERMOPL, 4 INCH, WHITE
 1100 FT PAVT MRKG, SPRAYABLE THERMOPL, 4 INCH, YELLOW

LEGEND

CUSTOM SIGN TO REMAIN

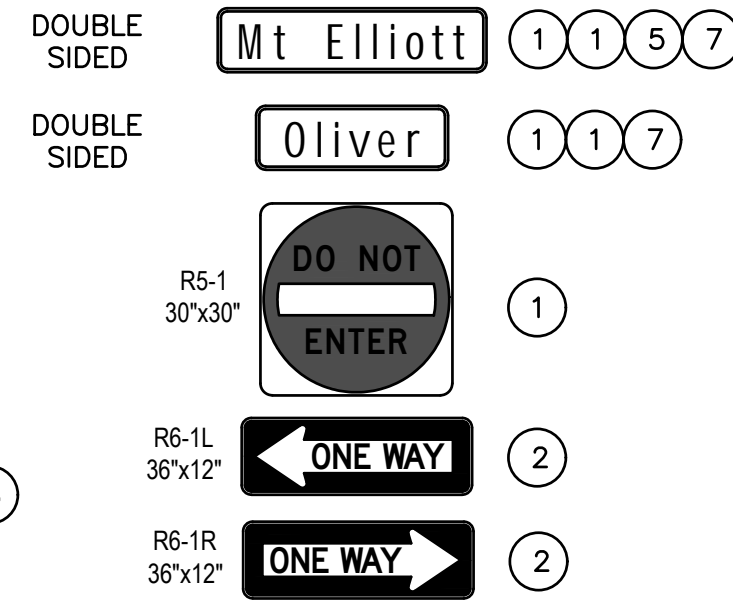


SIGN TO BE REMOVED



SIGNAGE QUANTITIES THIS SHEET

36 SFT SIGN, TYPE III A
 11 SFT SIGN, TYPE III B
 154 FT POST, STEEL, 3 LB
 7 EA POST HOLE THROUGH CONC FOR STEEL POST
 2 EA CANTILEVER BRACKET, 24 INCH, SIGN
 2 EA SIGN, TYPE III, ERECT, SALV

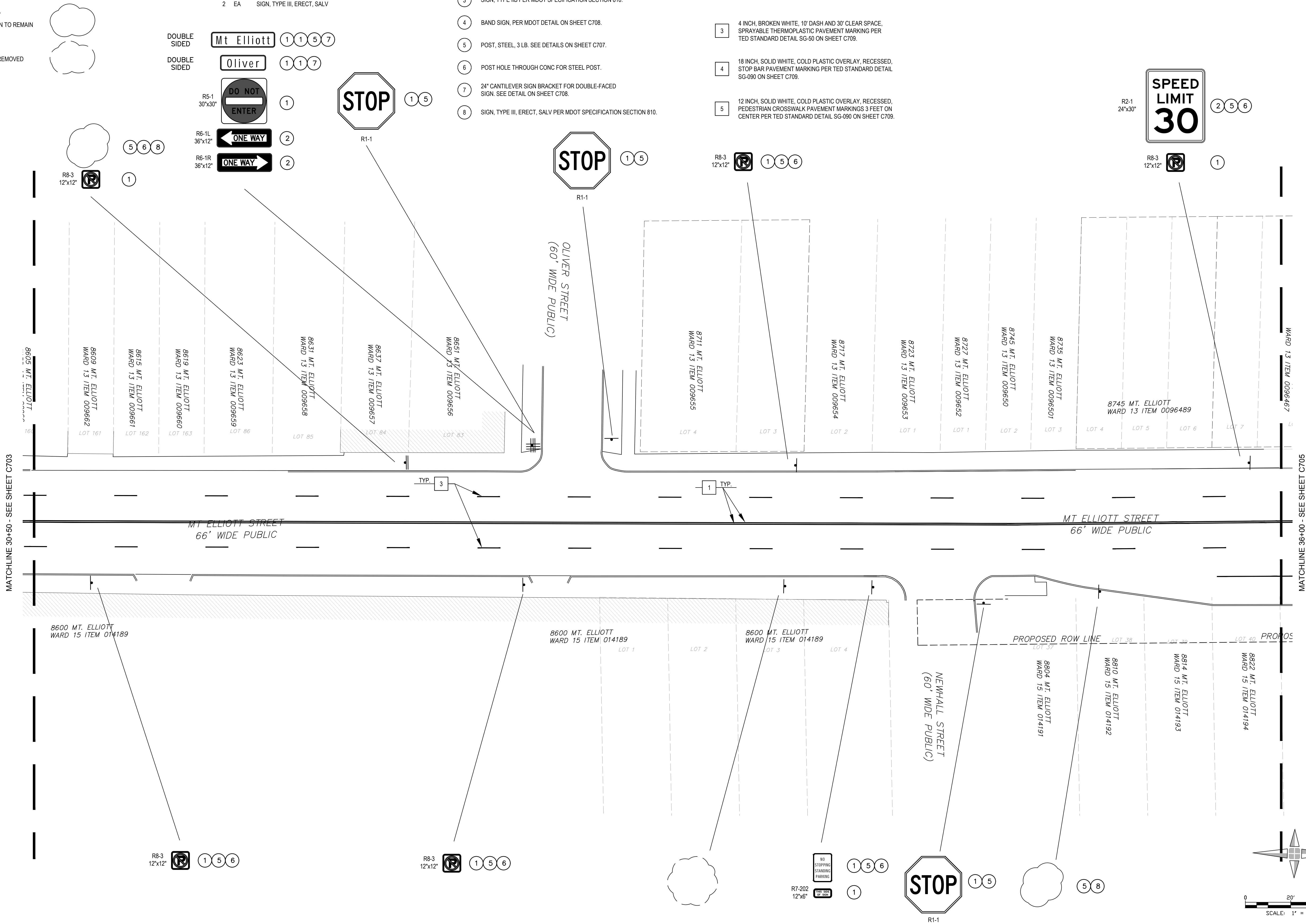


SIGNAGE KEY NOTES

- 1 SIGN, TYPE IIIA PER MDOT SPECIFICATION SECTION 810.
- 2 SIGN, TYPE IIIB PER MDOT SPECIFICATION SECTION 810.
- 3 SIGN, TYPE IIB PER MDOT SPECIFICATION SECTION 810.
- 4 BAND SIGN, PER MDOT DETAIL ON SHEET C708.
- 5 POST, STEEL, 3 LB. SEE DETAILS ON SHEET C707.
- 6 POST HOLE THROUGH CONC FOR STEEL POST.
- 7 24" CANTILEVER SIGN BRACKET FOR DOUBLE-FACED SIGN. SEE DETAIL ON SHEET C708.
- 8 SIGN, TYPE III, ERECT, SALV PER MDOT SPECIFICATION SECTION 810.

PAVEMENT MARKING KEY NOTES

- 1 4 INCH, SOLID YELLOW, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING.
- 2 4 INCH, SOLID WHITE, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING.
- 3 4 INCH, BROKEN WHITE, 10' DASH AND 30' CLEAR SPACE, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING PER TED STANDARD DETAIL SG-50 ON SHEET C709.
- 4 18 INCH, SOLID WHITE, COLD PLASTIC OVERLAY, RECESSED, STOP BAR PAVEMENT MARKING PER TED STANDARD DETAIL SG-090 ON SHEET C709.
- 5 12 INCH, SOLID WHITE, COLD PLASTIC OVERLAY, RECESSED, PEDESTRIAN CROSSWALK PAVEMENT MARKINGS 3 FEET ON CENTER PER TED STANDARD DETAIL SG-090 ON SHEET C709.
- 6 WHITE, COLD PLASTIC OVERLAY LEFT TURN ARROW AND 'ONLY' SYMBOLS PER TED STANDARD DETAIL SG-50 ON SHEET C709. REMOVE CURING COMPOUND PRIOR TO INSTALLATION.



Engineers
 Surveyors
 Planners
 Landscape Architects

28 West Adams Road
 Suite 1200
 Detroit, MI 48226
 p (313) 962-4442
 f (313) 962-5088
 www.giffelswebster.com

Executive:	MGD
Manager:	MGD
Designer:	MAA
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E

Professional Seal:



DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
 Economic Development
 Corporation of the City of Detroit
 500 Griswold Street, Suite 2200
 Detroit, MI 48226
 P: 313.963.2940

PAVEMENT MARKING AND SIGNAGE PLAN
 STA 30+50 TO 36+00

Mt Elliott Street Reconstruction

City of Detroit
 Wayne County
 Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C704
Project:	19483.00D

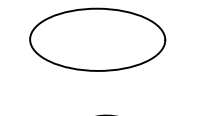
Copyright © 2021 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.

PAVEMENT MARKING QUANTITIES THIS SHEET

731	FT	PAVT MRKG, OVLY COLD PLASTIC, 12 INCH, CROSSWALK
101	FT	PAVT MRKG, OVLY COLD PLASTIC, 18 INCH, STOP BAR
182	FT	PAVT MRKG, SPRAYABLE THERMOPL, 4 INCH, WHITE
409	FT	PAVT MRKG, SPRAYABLE THERMOPL, 4 INCH, YELLOW
1	EA	PAVT MRKG, OVLY COLD PLASTIC, LT TURN ARROW SYM
1	EA	PAVT MRKG, OVLY COLD PLASTIC, ONLY
112	SFT	REM CURING COMPOUND, FOR SPEC MRKG
952	SFT	RECESSING PAVT MRKG, TRANSV

LEGEND

LEFT TURN "ONLY" SYMBOL



CUSTOM SIGN TO REMAIN



SIGN TO BE REMOVED



SIGNAGE QUANTITIES THIS SHEET

50	SFT	SIGN, TYPE III A
11	SFT	SIGN, TYPE III B
8	SFT	SIGN, TYPE II B
8	EA	BAND SIGN
96	FT	POST, STEEL, 3 LB
4	EA	POST HOLE THROUGH CONC FOR STEEL POST
6	EA	CANTILEVER BRACKET, 24 INCH, SIGN
1	EA	SIGN, TYPE III, ERECT, SALV

DOUBLE SIDED

Mt Elliott



DOUBLE SIDED

Georgia

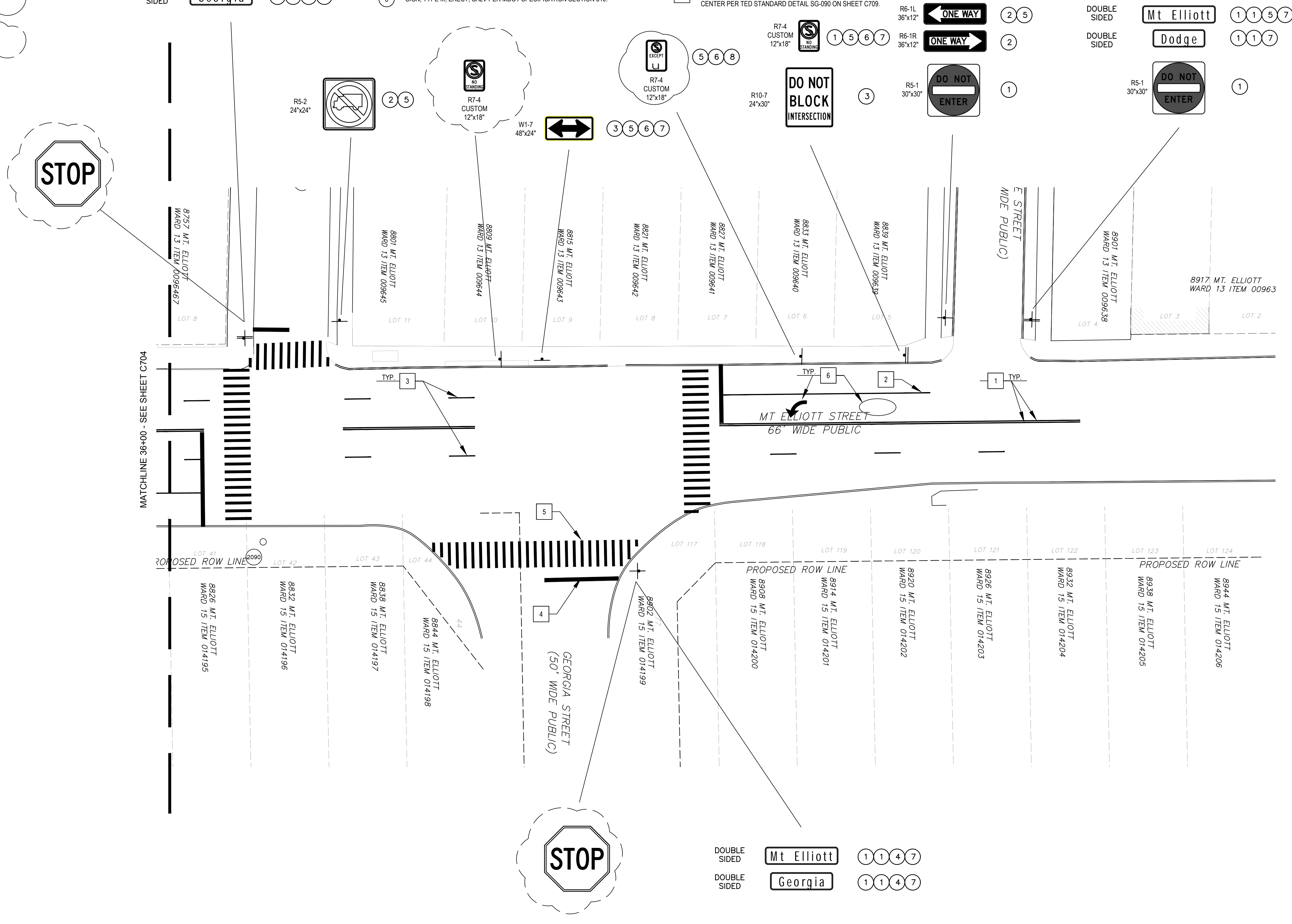


SIGNAGE KEY NOTES

- 1 SIGN, TYPE IIIA PER MDOT SPECIFICATION SECTION 810.
- 2 SIGN, TYPE IIIB PER MDOT SPECIFICATION SECTION 810.
- 3 SIGN, TYPE IIB PER MDOT SPECIFICATION SECTION 810.
- 4 BAND SIGN, PER MDOT DETAIL ON SHEET C708.
- 5 POST, STEEL, 3 LB. SEE DETAILS ON SHEET C707.
- 6 POST HOLE THROUGH CONC FOR STEEL POST.
- 7 24" CANTILEVER SIGN BRACKET FOR DOUBLE-FACED SIGN. SEE DETAIL ON SHEET C708.
- 8 SIGN, TYPE III, ERECT, SALV PER MDOT SPECIFICATION SECTION 810.

PAVEMENT MARKING KEY NOTES

- 1 4 INCH, SOLID YELLOW, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING.
- 2 4 INCH, SOLID WHITE, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING.
- 3 4 INCH, BROKEN WHITE, 10' DASH AND 30' CLEAR SPACE, SPRAYABLE THERMOPLASTIC PAVEMENT MARKING PER TED STANDARD DETAIL SG-50 ON SHEET C709.
- 4 18 INCH, SOLID WHITE, COLD PLASTIC OVERLAY, RECESSED, STOP BAR PAVEMENT MARKING PER TED STANDARD DETAIL SG-090 ON SHEET C709.
- 5 12 INCH, SOLID WHITE, COLD PLASTIC OVERLAY, RECESSED, PEDESTRIAN CROSSWALK PAVEMENT MARKINGS 3 FEET ON CENTER PER TED STANDARD DETAIL SG-090 ON SHEET C709.
- 6 WHITE, COLD PLASTIC OVERLAY LEFT TURN ARROW AND "ONLY" SYMBOLS PER TED STANDARD DETAIL SG-50 ON SHEET C709. REMOVE CURING COMPOUND PRIOR TO INSTALLATION.



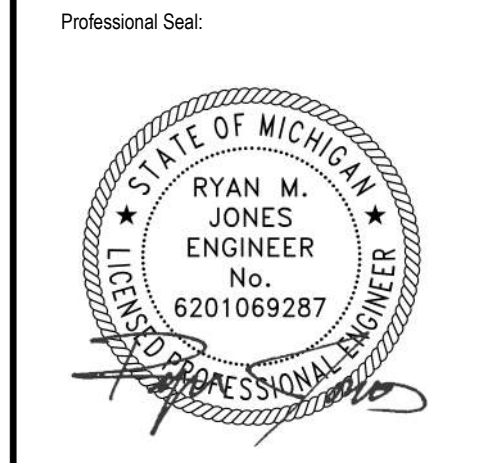
MATCHLINE 36+00 - SEE SHEET C704

PROPOSED ROW LINE

PROPOSED ROW LINE

PROPOSED ROW LINE

Executive:	MGD
Manager:	MGD
Designer:	MAA
Quality Control:	MGD
Section:	21/28
	T-01-S R-12-E



DATE:	ISSUE:
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit

500 Griswold Street, Suite 2200
Detroit, MI 48226

P: 313.963.2940

PAVEMENT MARKING AND SIGNAGE PLAN
STA 36+00 TO 39+50

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=20'
Sheet:	C705
Project:	19483.00D

Copyright © 2021 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.

Executive:	MGD
Manager:	MGD
Designer:	MAA
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	

Professional Seal:



Know what's below.
Call before you dig.

DATE:	ISSUE:
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

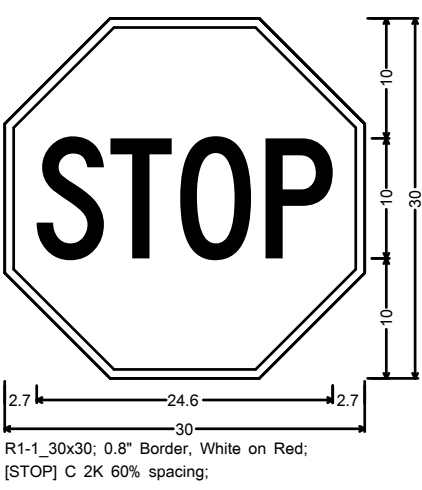
Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

PERMANENT SIGNAGE DETAILS

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=XX'
Sheet:	C706
Project:	19483.00D



R1-1, 30x30, 0.6" Border, White on Red.
[STOP] C 2K 60% spacing.



R11-2
48"x30"



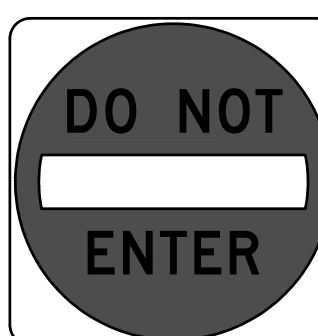
M4-10R
48"x18"



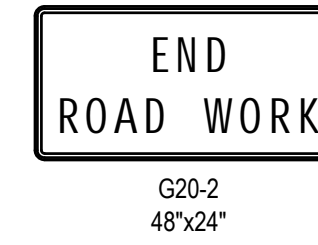
R6-1R
36"x12"



R5-18c
48"x48"



R5-1
30"x30"



G20-2
48"x24"



M4-8a
18"x24"



W20-1
48"x48"



W20-2
48"x48"



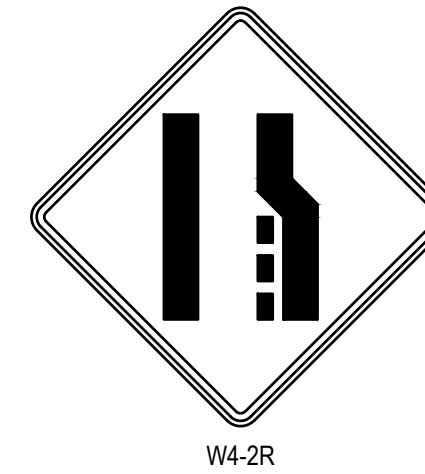
R2-1
24"x30"



R2-1
24"x30"



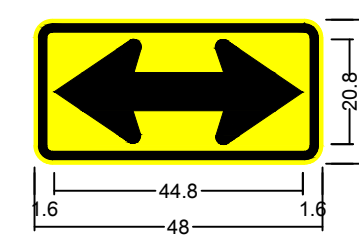
W20-3
48"x48"



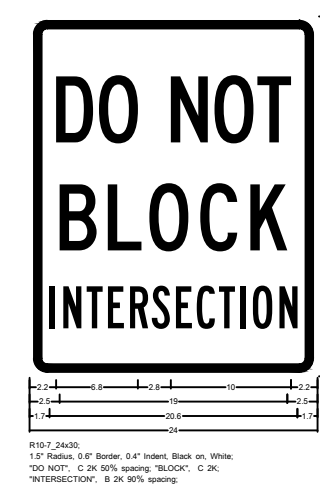
R5-18b
48"x60"



W20-5
48"x48"



44.8
48
1.6



Legrand D3-1
36"x10"

Benham D3-1
36"x10"

Farr D3-1
24"x10"

Miller D3-1
30"x10"

Oliver D3-1
30"x10"

Dodge D3-1
30"x10"

Strong D3-1
30"x10"

St Cyril D3-1
36"x10"

Mt Elliott D3-1
42"x10"

Varney D3-1
30"x10"

Cymbal D3-1
36"x10"

Selkirk D3-1
30"x10"

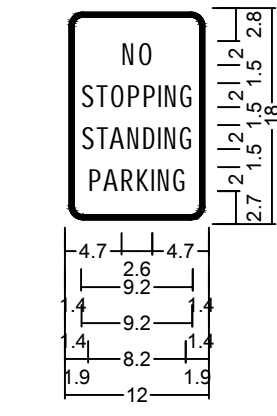
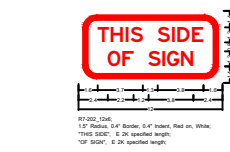
Dorothy D3-1
36"x10"

Georgia D3-1
36"x10"

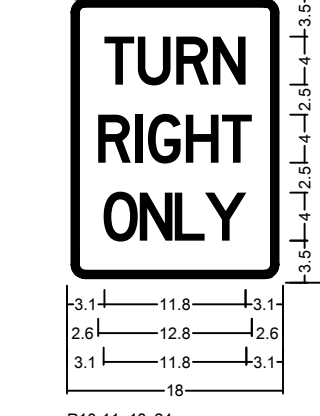
Conant D3-1
30"x10"

Huber D3-1
30"x10"

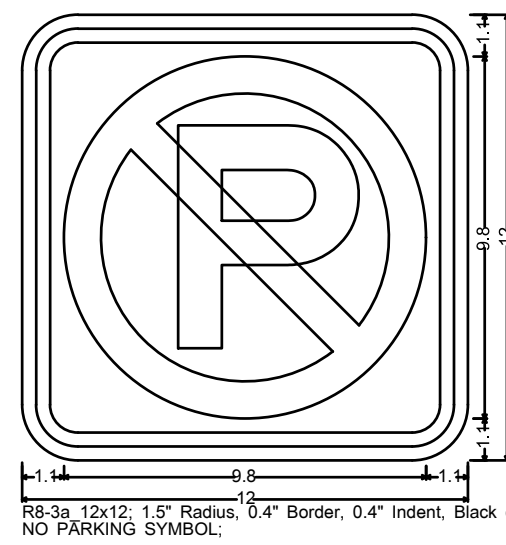
Van Dyke D3-1
42"x10"



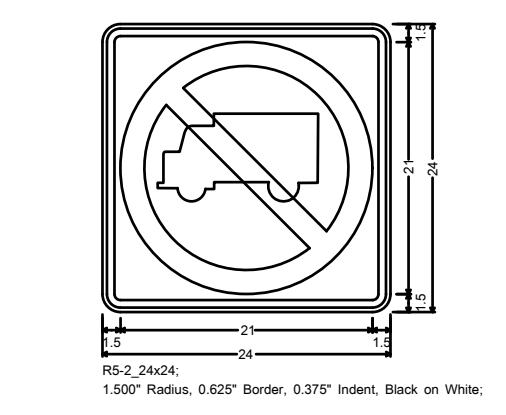
1.5" Radius, 0.4" Border, 0.4" Indent, Black on, White.
"NO": C 75% spacing;
"STOPPING": C 50% spacing;
"STANDING": C 50% spacing;
"PARKING": C 50% spacing;



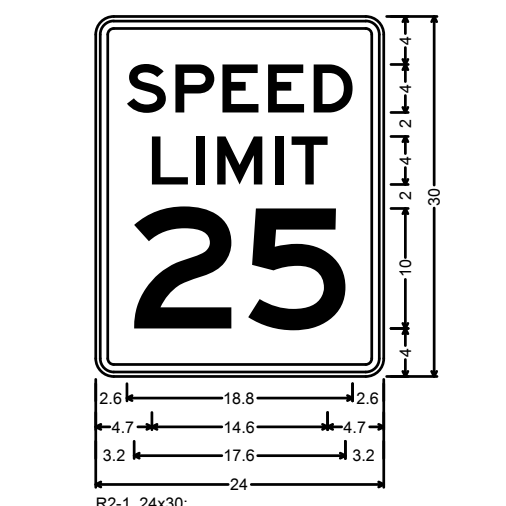
R10-11-180R
1.5" Radius, 0.6" Border, 0.4" Indent, Black on, White.
"TURN": D 2K 50% spacing;
"RIGHT": D 2K 50% spacing;
"ONLY": D 2K 20% spacing;



R8-3a, 12x12, 1.5" Radius, 0.4" Border, 0.4" Indent, Black on White.
NO PARKING SYMBOL.



R5-2A
1.500" Radius, 0.600" Border, 0.300" Indent, Black on White.



R2-1, 24x30,
1.5" Radius, 0.6" Border, 0.4" Indent, Black on White.
[SPEED] E 2K [LIMIT] E 2K
[25] E 2K



R9-9
24"x12"



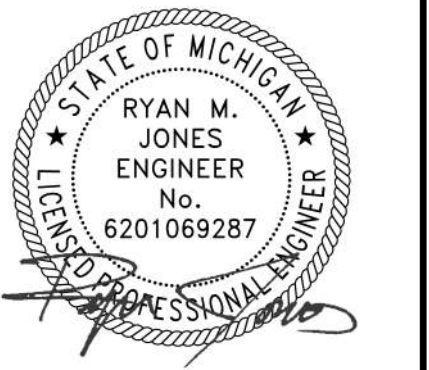
R7-4
CUSTOM
12"x18"



R7-4
CUSTOM
12"x18"



R8-3
12"x12"



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit

500 Griswold Street, Suite 2200
Detroit, MI 48226

P: 313.963.2940

**PERMANENT
SIGNAGE DETAILS**

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date: 06.11.2021
Scale: 1"=XX'
Sheet: C707
Project: 19483.00D

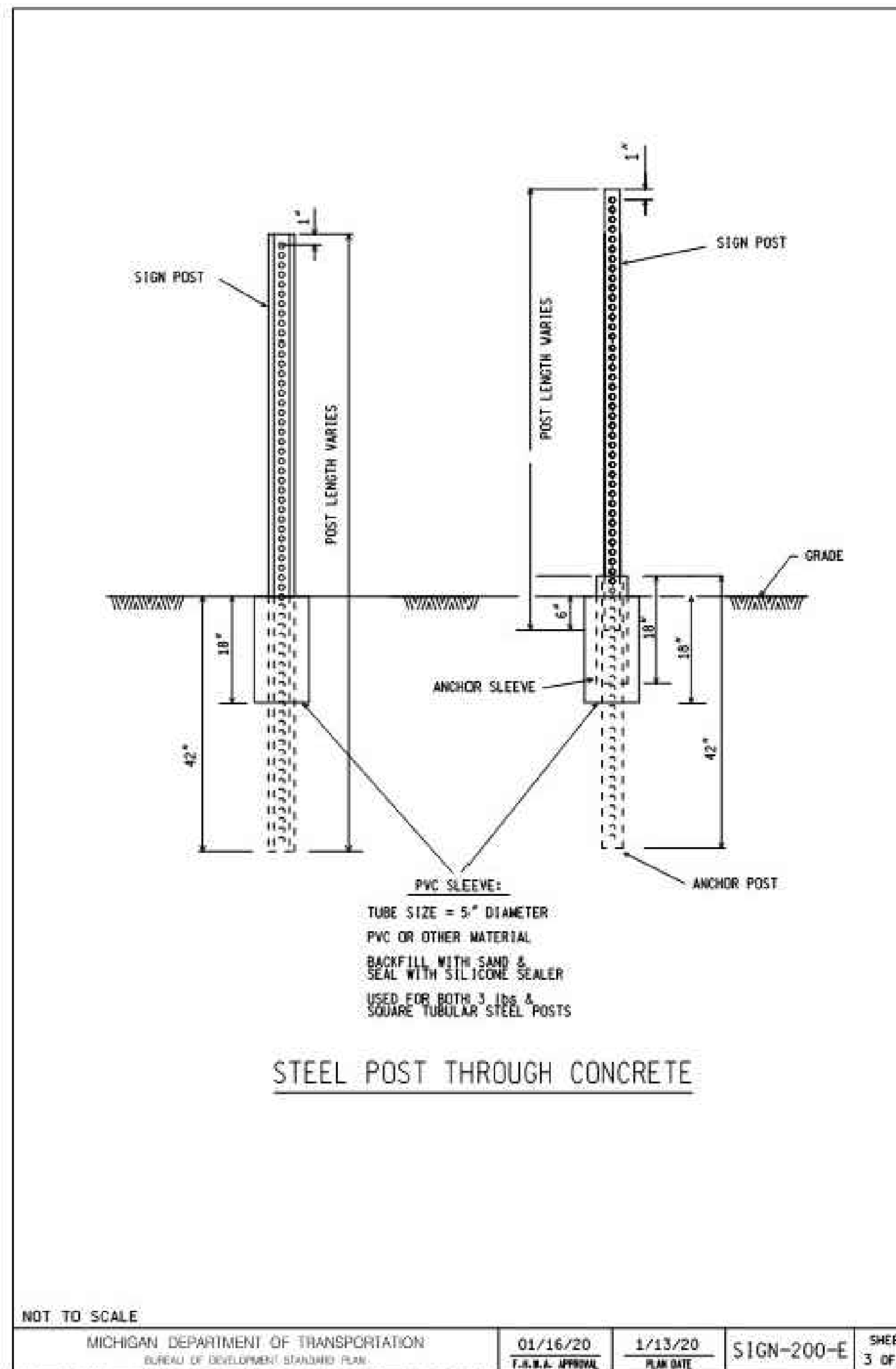
TABLE 1 ELEMENTS OF SECTION		
SECTION PROPERTIES	SECTION PROPERTIES	SECTION PROPERTIES
A = 0.5090 in ²	A = 0.695 in ²	A = 0.803 in ²
I = 0.372 in ⁴	I = 0.561 in ⁴	I = 0.804 in ⁴
S = 0.372 in ³	S = 0.498 in ³	S = 0.643 in ³
r = 0.794 in	r = 0.898 in	r = 1.001 in
TOLERANCES		
1. OUTSIDE TOLERANCE FOR ALL SIDES AT CORNERS		± 0.01 in
2. WALL THICKNESS		-0.008 in TO +0.011 in
3. CONVEXITY AND CONCAVITY		± 0.01 in
4. SQUARENESS OF SIDES		± 0.14 in
5. TWIST PERMISSIBLE IN 3 in LENGTH		0.062 in
6. STRAIGHTNESS		1/16 in IN 3 ft
7. CORNER RADIUS		5/32 in ± 1/32 in
8. LENGTH		± 1/4 in

- NOTES:**
- POST SHALL BE GALVANIZED EXCEPT ON TEMPORARY CONSTRUCTION SIGNS.
 - BOLTS & NYLON INSERT LOCK NUTS SHALL BE STAINLESS STEEL, PER CURRENT MDT STANDARD SPECIFICATIONS FOR CONSTRUCTION.
 - SEE SIGN-740-SERIES-ENG FOR SIGN CONNECTION.
 - POSTS SHALL BE MARKED AT THE 42" POINT WITH SPRAY PAINT PRIOR TO DRIVING TO INDICATE MINIMUM EMBEDMENT.
 - POSTS WILL BE MEASURED FOR PAYMENT TO THE NEAREST COMMERCIAL LENGTH.
 - SELF-ALIGNING STEEL SIGN REINFORCING PLATE (SEE SIGN-740-SERIES-ENG) REQUIRED FOR USE WITH ALL TYPE III (SHEET STEEL OR ALUMINUM) SIGNS INSTALLED ON 3 lbs. SELF-ALIGNING STEEL SIGN REINFORCING PLATE IS NOT TO BE USED WITH SQUARE TUBULAR STEEL POSTS.
 - MAXIMUM SIGN SQUARE FOOT FOR 1-3 LB. POST SHALL BE 8 SQUARE FEET.
 - MAXIMUM SIGN SQUARE FOOT FOR 2-3 LB. POST SHALL BE EQUAL TO THE 2-3 LB. STEEL POST PER SIGN-150-SERIES.
 - STEEL POSTS PLACED IN CONCRETE SHALL UTILIZE A 5" DIAMETER SLEEVE AT MINIMUM.

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN	01/16/20 T.S.B.A. APPROVAL	1/13/20 PLAN DATE	SIGN-200-E	SHEET 4 OF 4
--	-------------------------------	----------------------	------------	-----------------

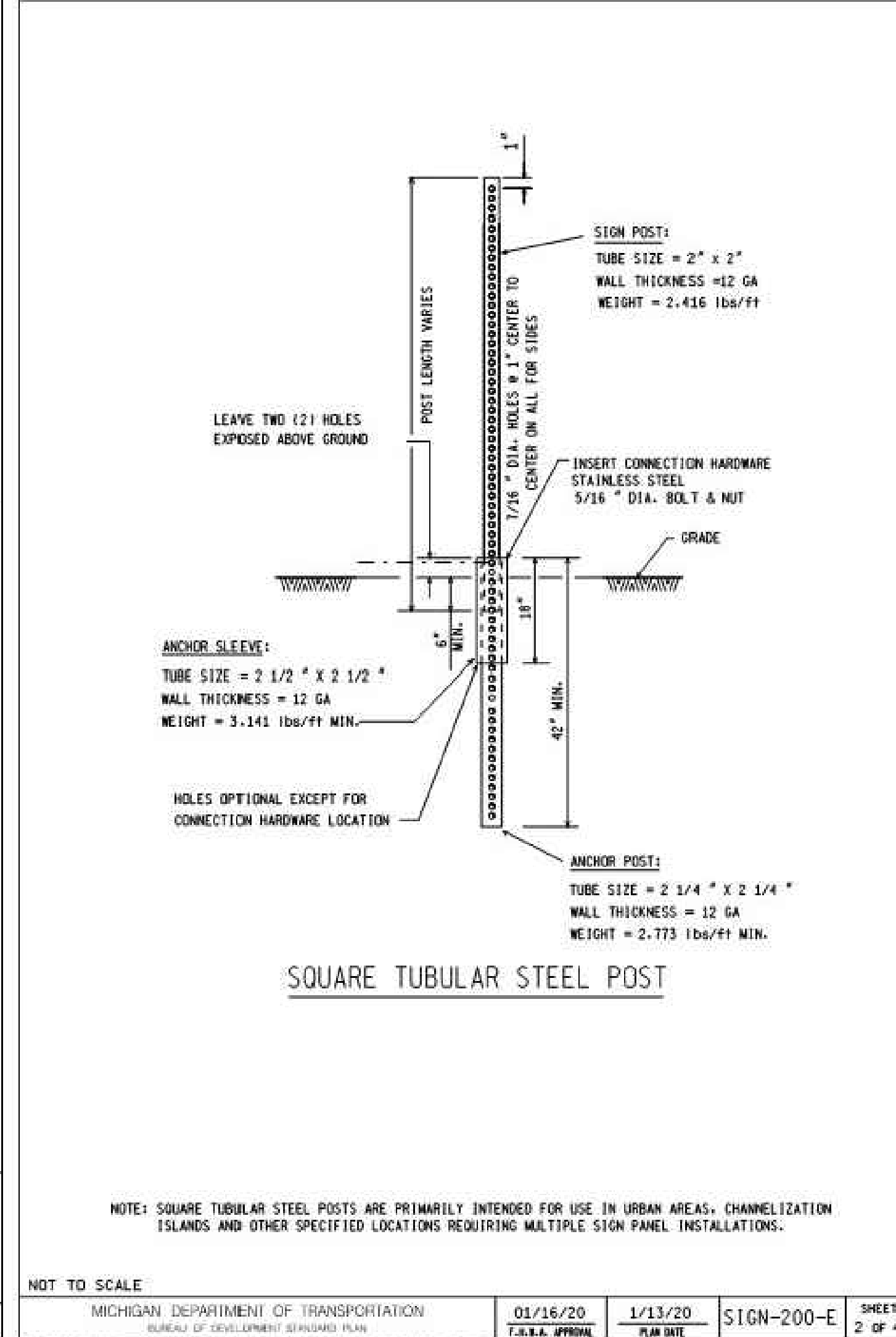
NOTE: THE ORIGINAL SIGNED COPY IS KEPT ON FILE AT THE MICHIGAN DEPARTMENT OF TRANSPORTATION.



NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN	01/16/20 T.S.B.A. APPROVAL	1/13/20 PLAN DATE	SIGN-200-E	SHEET 3 OF 4
--	-------------------------------	----------------------	------------	-----------------

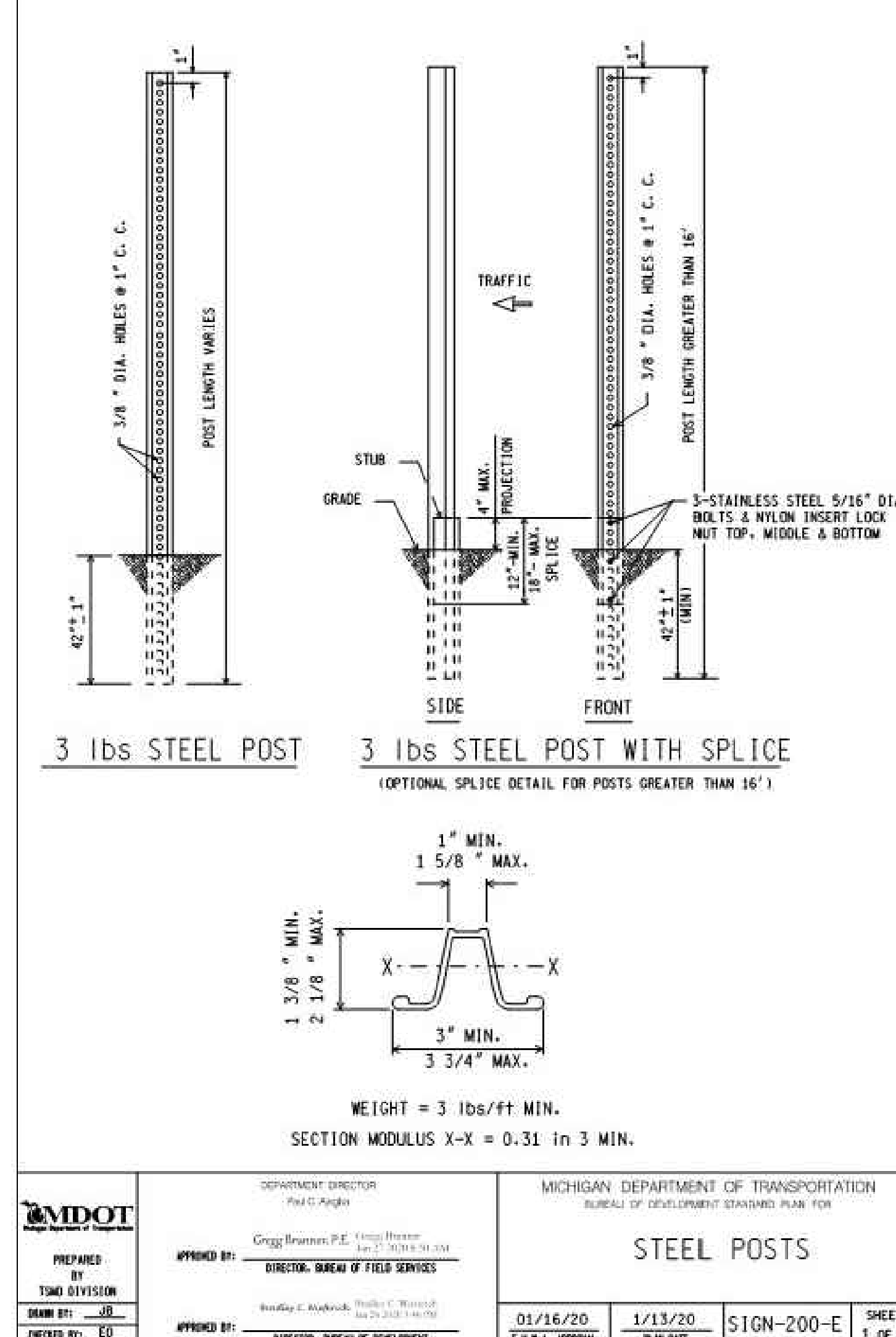
NOTE: THE ORIGINAL SIGNED COPY IS KEPT ON FILE AT THE MICHIGAN DEPARTMENT OF TRANSPORTATION.



NOT TO SCALE

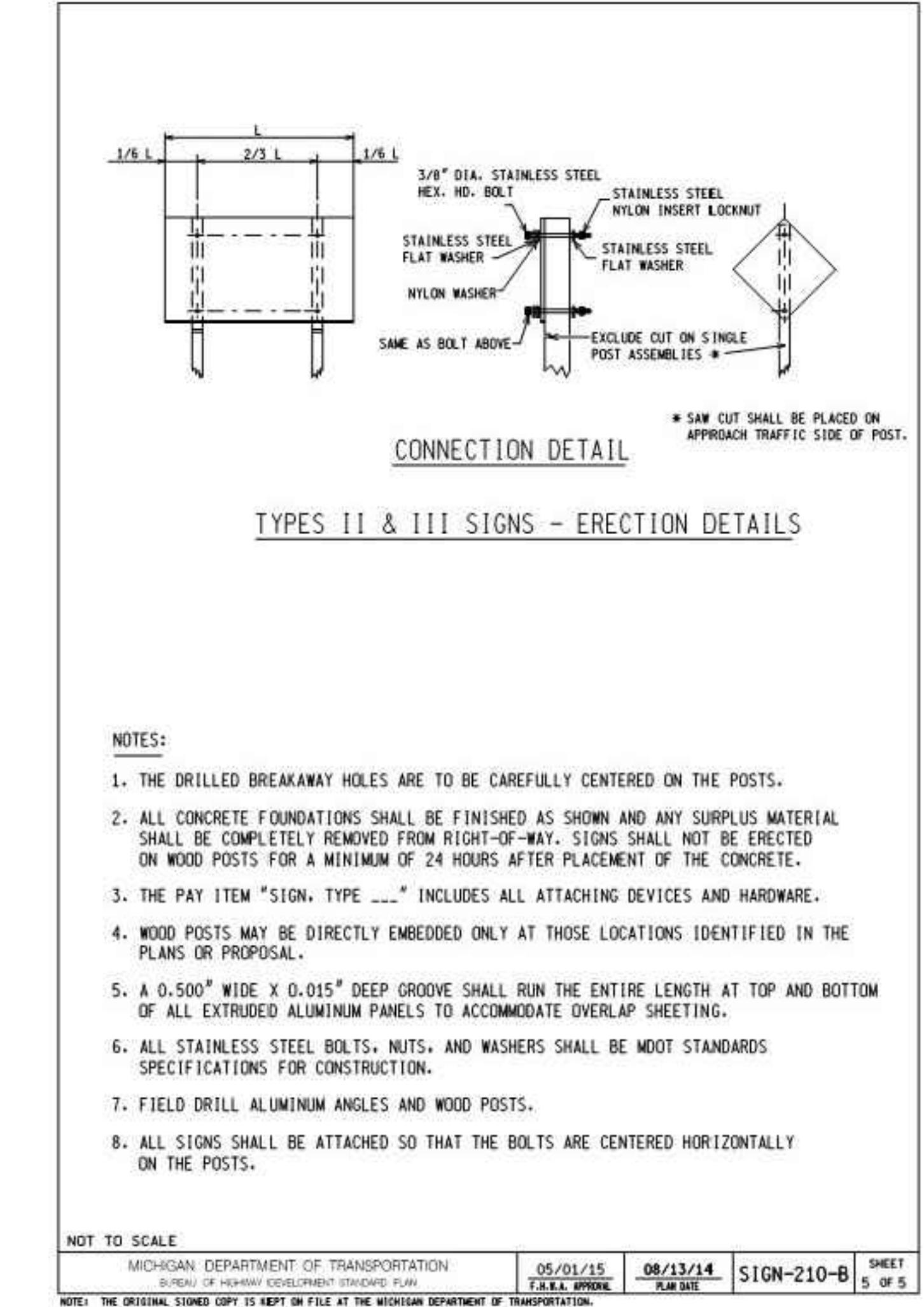
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN	01/16/20 T.S.B.A. APPROVAL	1/13/20 PLAN DATE	SIGN-200-E	SHEET 2 OF 4
--	-------------------------------	----------------------	------------	-----------------

NOTE: THE ORIGINAL SIGNED COPY IS KEPT ON FILE AT THE MICHIGAN DEPARTMENT OF TRANSPORTATION.



NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN	01/16/20 T.S.B.A. APPROVAL	1/13/20 PLAN DATE	SIGN-200-E	SHEET 1 OF 4
--	-------------------------------	----------------------	------------	-----------------



NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN	05/01/15 T.S.B.A. APPROVAL	08/13/14 PLAN DATE	SIGN-210-B	SHEET 5 OF 5
--	-------------------------------	-----------------------	------------	-----------------

NOTE: THE ORIGINAL SIGNED COPY IS KEPT ON FILE AT THE MICHIGAN DEPARTMENT OF TRANSPORTATION.

Executive:	MGD
Manager:	MGD
Designer:	MAA
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

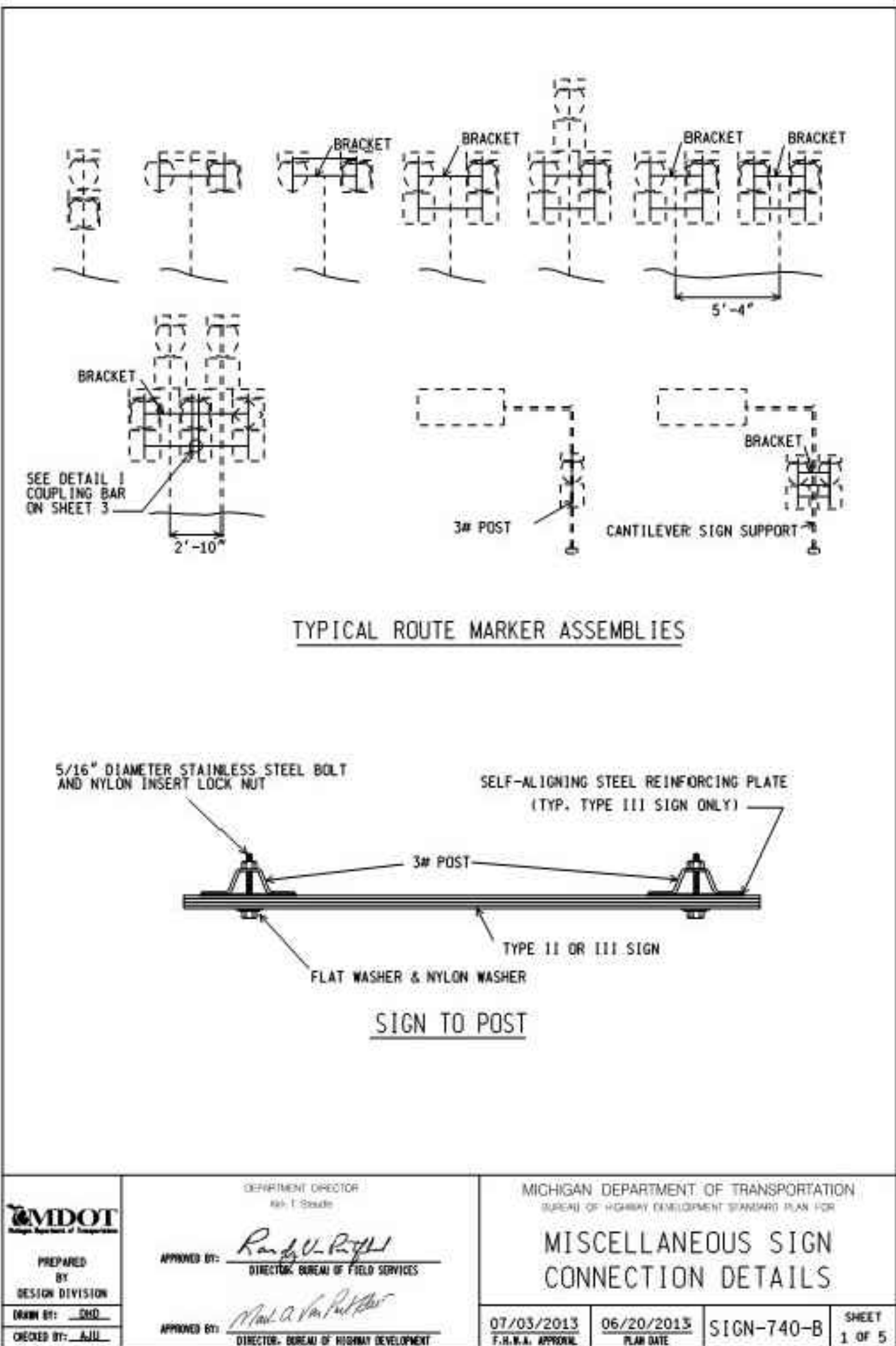
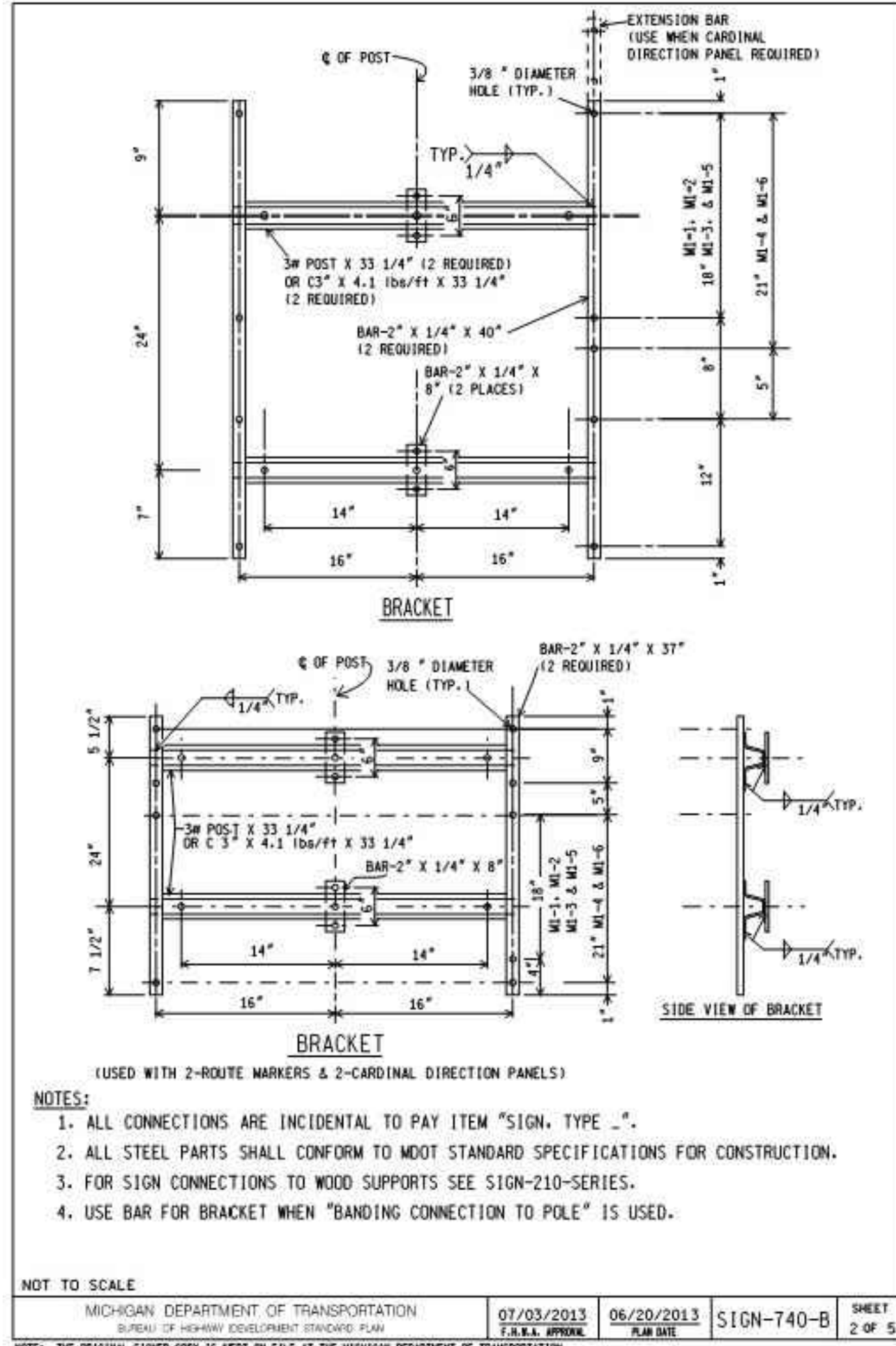
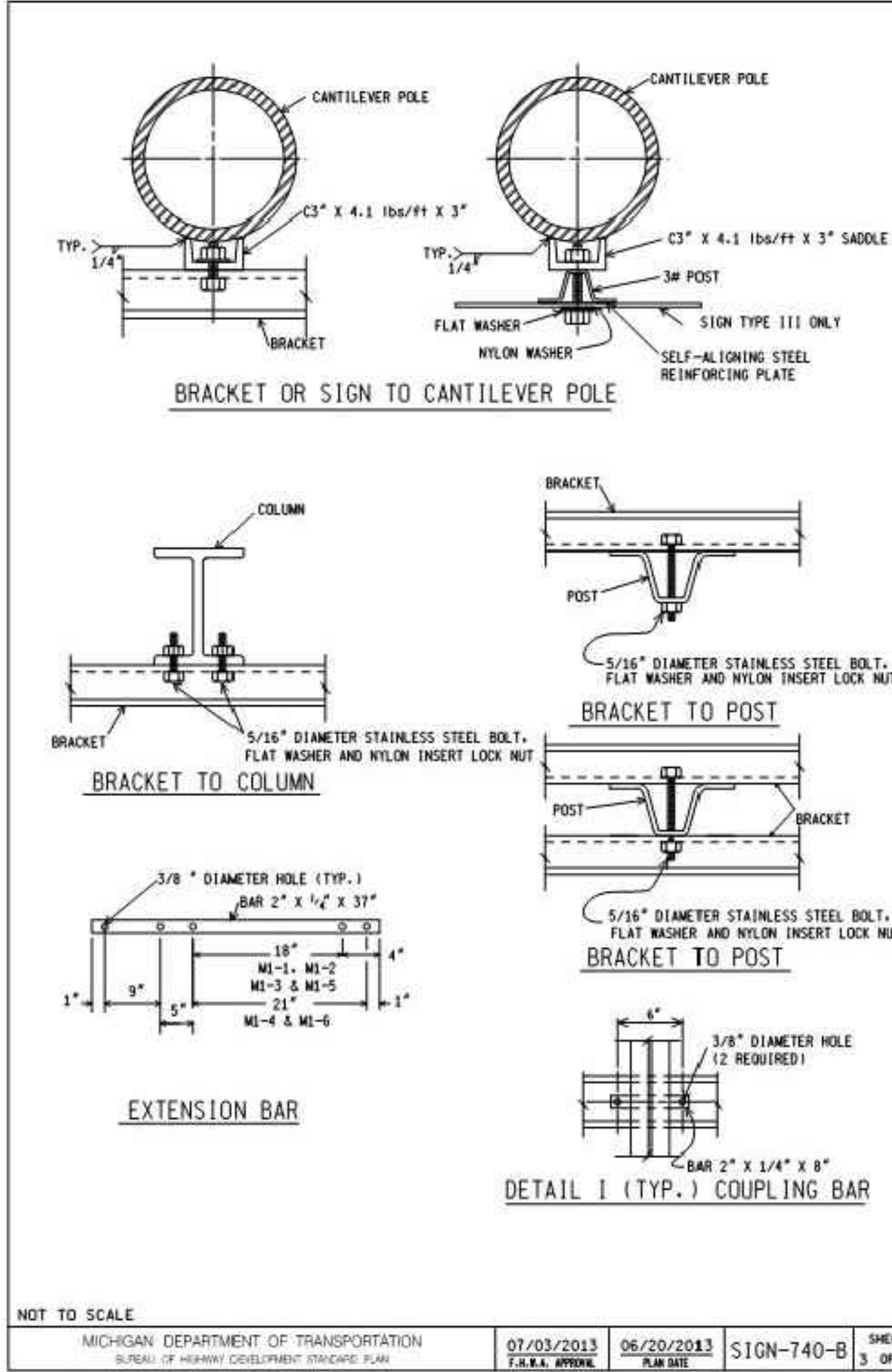
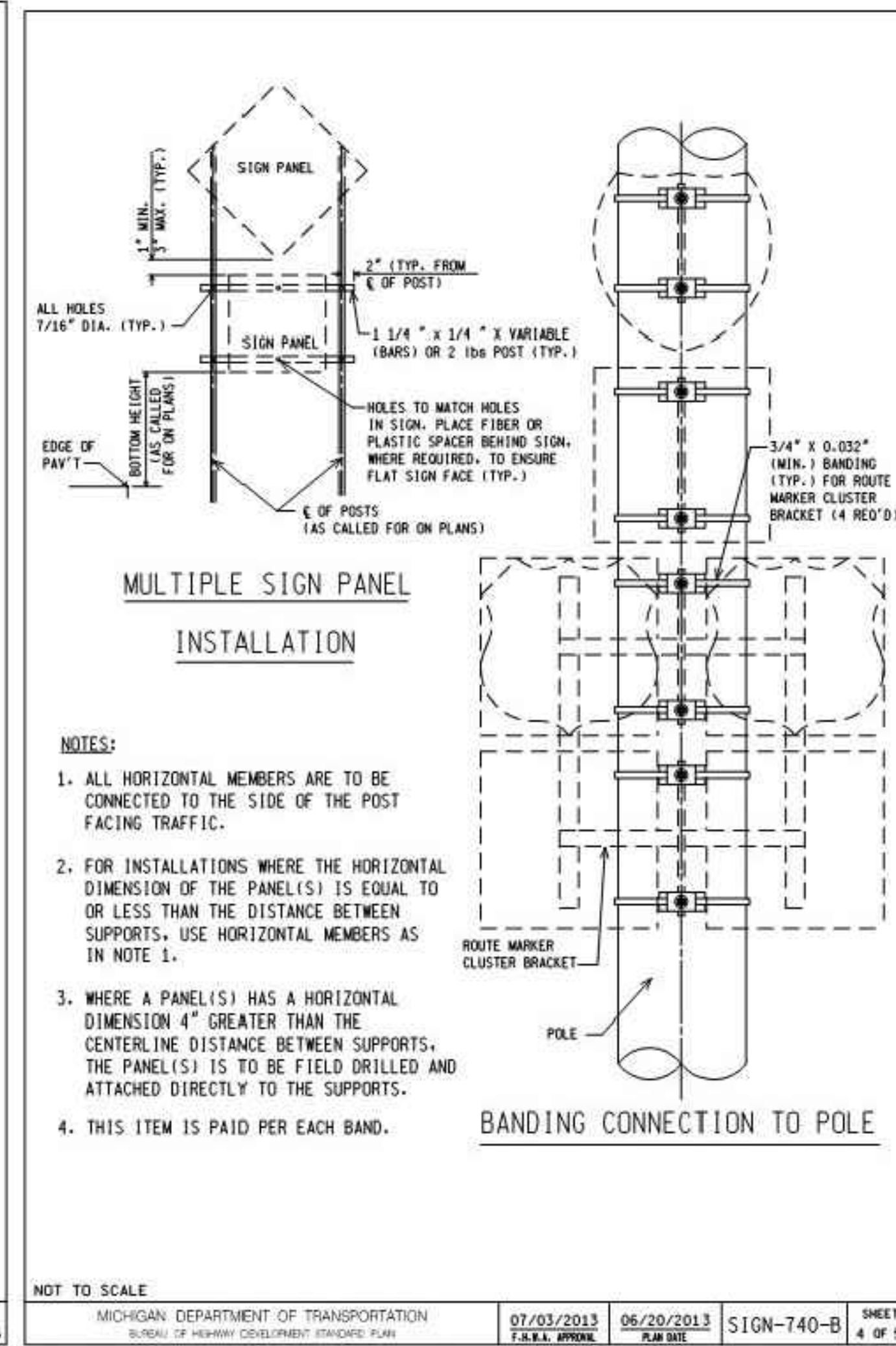
PERMANENT SIGNAGE DETAILS

Mt Elliott Street Reconstruction

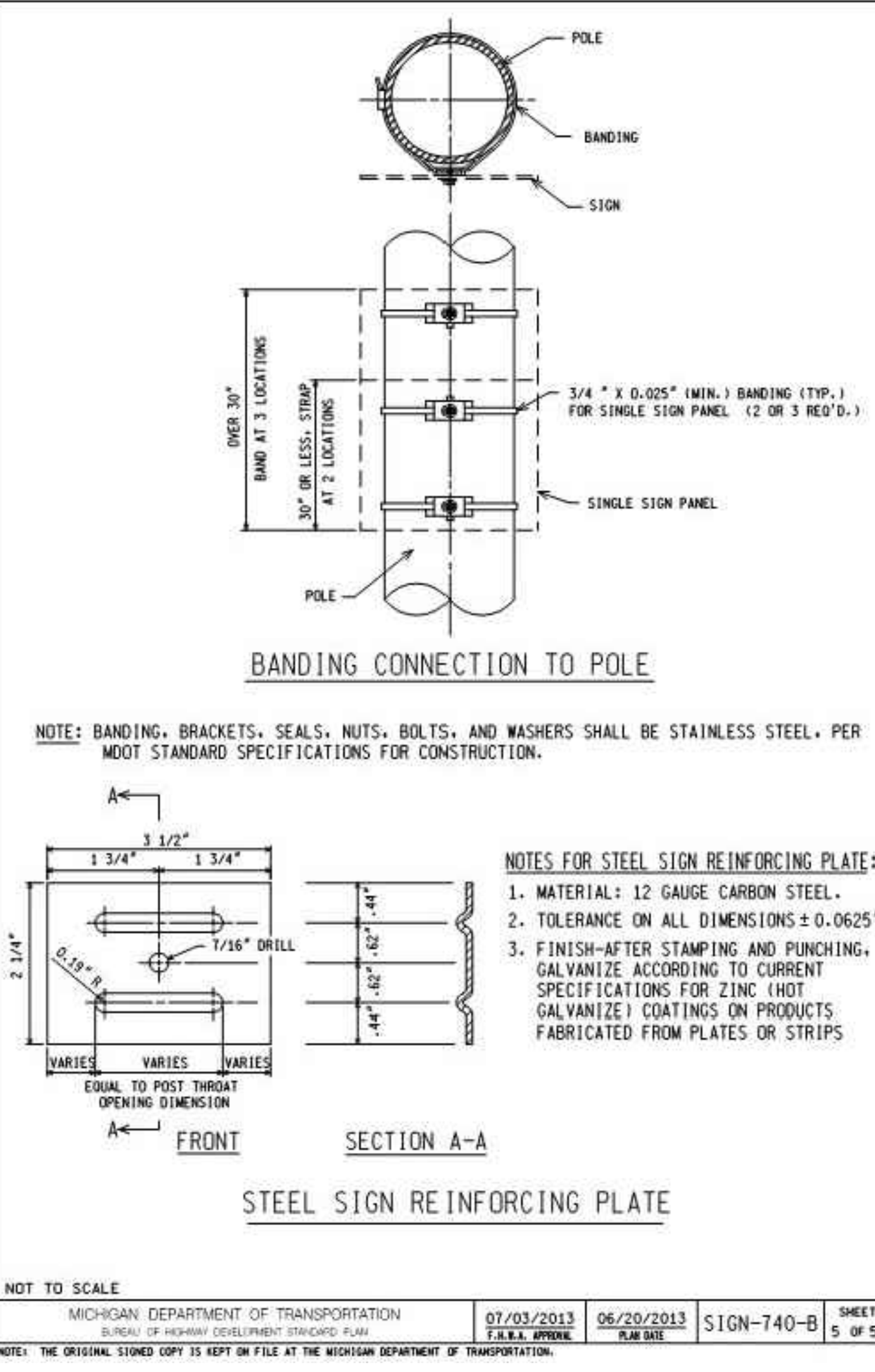
City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=XX'
Sheet:	C708
Project:	19483.00D

Copyright © 2020 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.



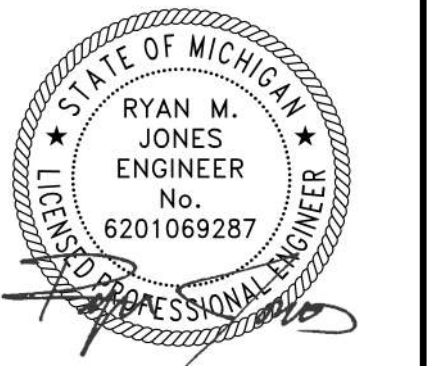
<p>PREPARED BY: <i>[Signature]</i></p> <p>DESIGN DIVISION</p> <p>DRAWN BY: <i>[Signature]</i></p> <p>CHECKED BY: <i>[Signature]</i></p>	<p>APPROVED BY: <i>[Signature]</i></p> <p>DIRECTOR, BUREAU OF FIELD SERVICES</p>	<p>APPROVED BY: <i>[Signature]</i></p> <p>DIRECTOR, BUREAU OF HIGHWAY DEVELOPMENT</p>	<p>07/03/2013 F.S.B.A. APPROVAL</p>	<p>06/20/2013 PLAN DATE</p>	<p>SIGN-740-B</p>	<p>SHEET 1 OF 5</p>
---	--	---	---	---------------------------------	-------------------	---------------------



<p>NOT TO SCALE</p> <p>MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN</p>	<p>07/03/2013 F.S.B.A. APPROVAL</p>	<p>06/20/2013 PLAN DATE</p>	<p>SIGN-740-B</p>	<p>SHEET 5 OF 5</p>
--	---	---------------------------------	-------------------	---------------------

Executive:	MGD
Manager:	MGD
Designer:	MAA
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

**PAVEMENT MARKING
DETAILS**

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=XX'
Sheet:	C709
Project:	19483.00D

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
TRAFFIC ENGINEERING DIVISION

**FIELD MARKING
STANDARDS** 4 of 4

DRAWN: A.D. BOLTON
SCALE: 1" = 30'
DATE: 11-14-2016
NO. SG-50

POSTED SPEED LIMIT (MPH)	TAPER LENGTH (FT)
30 OR LESS	10
35-40	20
45	30

* Except where noted on plan

Note:
TAPER*: For Taper length, refer to standard engineering tables.
VAR*: The length of storage for left turn lane shall be determined by traffic analysis

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
TRAFFIC ENGINEERING DIVISION

**FIELD MARKING
STANDARDS** 3 of 4

DRAWN: A.D. BOLTON
SCALE: 1" = 30'
DATE: 11-14-2016
NO. SG-50

CENTER LEFT TURN LANE CROSSOVER DETAILS

BETWEEN TWO SIGNALIZED INTERSECTIONS

BETWEEN SIGNALIZED AND NON-SIGNALIZED INTERSECTIONS

BETWEEN TWO NON-SIGNALIZED INTERSECTIONS

Note:
POINT "A" IS LOCATED MID-BLOCK UNLESS OTHERWISE NOTED.
ALL LANE LINES AND CENTERLINES BEGIN OR END AT INTERSECTIONAL STOP BARS UNLESS OTHERWISE NOTED.

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
TRAFFIC ENGINEERING DIVISION

**FIELD MARKING
STANDARDS** 2 of 4

DRAWN: A.D. BOLTON
SCALE: 1" = 30'
DATE: 11-14-2016
NO. SG-50

CITY OF DETROIT
DEPARTMENT OF PUBLIC WORKS
TRAFFIC ENGINEERING DIVISION

**FIELD MARKING
STANDARDS** 1 of 4

DRAWN: A.D. BOLTON
SCALE: 1" = 30'
DATE: 11-14-2016
NO. SG-50

INTERSECTIONS

STOP BAR IS 18" WIDE
START LANING AT STOP BAR
DOUBLE YELLOW CENTER LINE
6" WIDTH OK IF PAINTED AS PART OF INTERSECTION

3" PAINT
5' SPACE
END STOP BAR HERE UNLESS THE CENTER LANE IS USED FOR REVERSIBLE FLOW

CROSS WALKS TO BE LOCATED AS SHOWN ON INTERSECTION DRAWING AND STOP BARS LOCATED FROM THE CROSS WALK UNLESS UNDIKATED OTHERWISE ON THE DRAWING

LANING

NOTE:
1. ALL LANING SHOWN IS 4" and 0.015" THICK
2. ALL PAINT IS WHITE UNLESS SPECIFIED OTHERWISE
3. ALL C ARE YELLOW

NOTE:
DO NOT VARY UNLESS APPROVED BY THE ENGINEER OF SIGNS AND MARKINGS

MT ELLIOTT DETOUR DESCRIPTION

STAGE-1

VEHICULAR TRAFFIC:
 -NORTHBOUND AND SOUTHBOUND CLOSURE OF MT ELLIOTT STREET BETWEEN DODGE AND CONANT STREETS. VEHICULAR TRAFFIC TAKES THE FOLLOWING DETOURS:

NORTHBOUND MT ELLIOTT (ALL VEHICLES) DETOUR FROM CONANT IS EASTBOUND STRONG, NORTHBOUND FOSTER, EASTBOUND MILLER, NORTHBOUND ST CYRIL, AND WESTBOUND HUBER TOWARDS MT ELLIOTT. NORTHBOUND MT ELLIOTT (PASSENGER VEHICLES ONLY) DETOUR FROM CONANT IS EASTBOUND VINCENT, NORTHBOUND VINCENT, AND EASTBOUND MARCUS TOWARDS MT ELLIOTT.

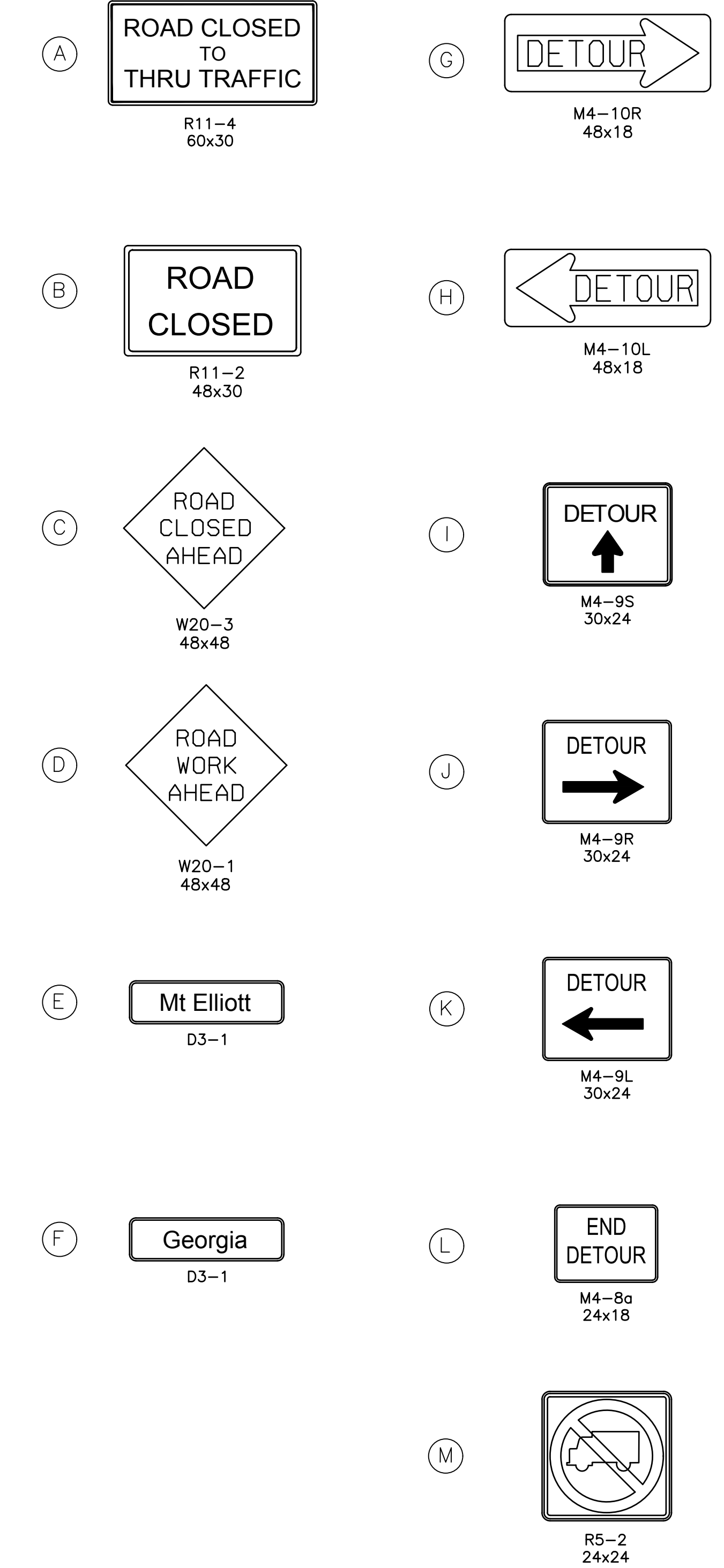
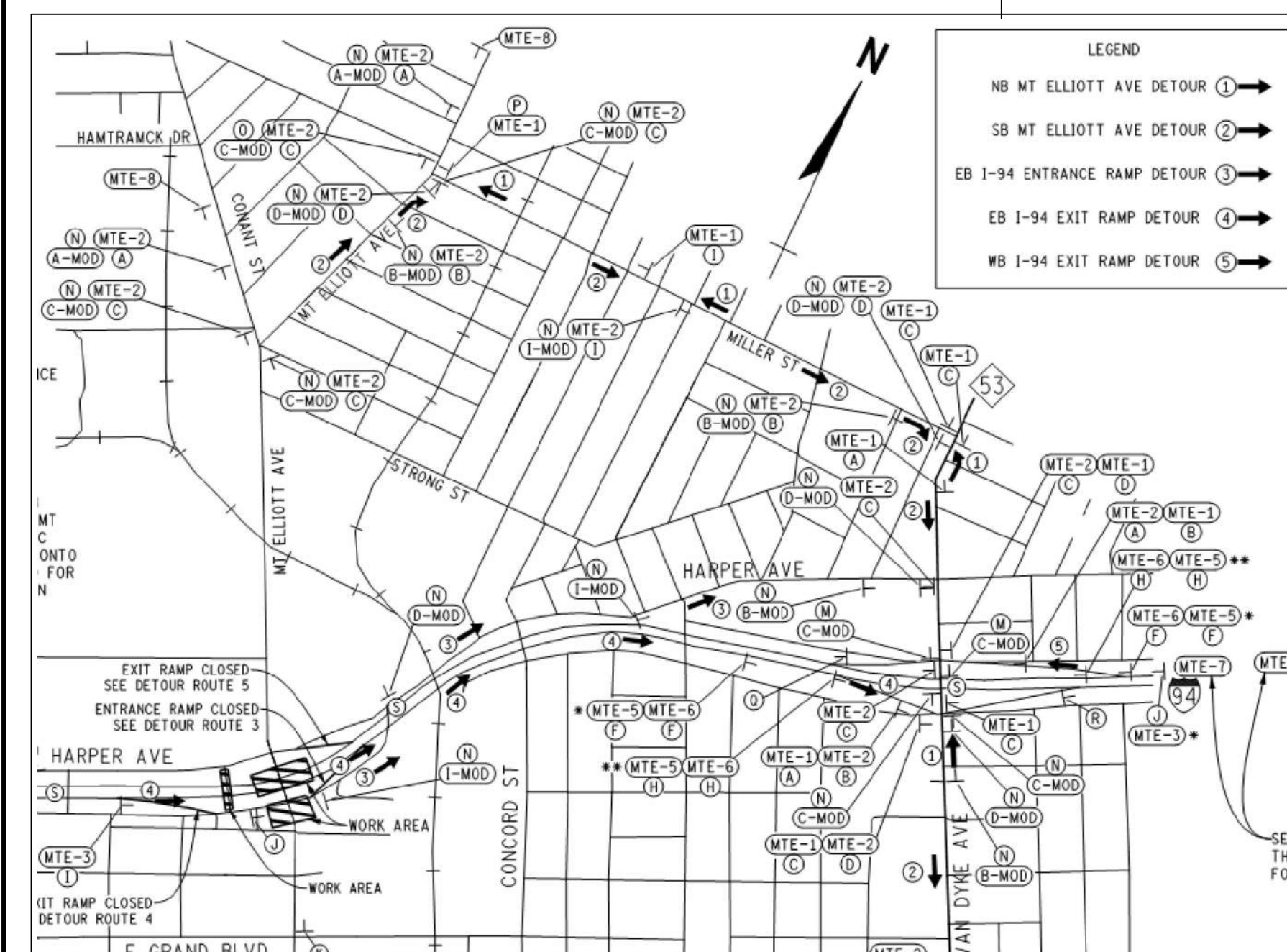
AND

SOUTHBOUND MT ELLIOTT (ALL VEHICLES) DETOUR FROM NORTH OF MT ELLIOTT IS EASTBOUND HUBER, SOUTHBOUND ST CYRIL, WESTBOUND MILLER, SOUTHBOUND FOSTER, AND WESTBOUND STRONG. SOUTHBOUND MT ELLIOTT (PASSENGER VEHICLES ONLY) DETOUR IS WESTBOUND MARCUS, SOUTHBOUND VINCENT, AND WESTBOUND VINCENT TOWARDS CONANT.



PREVIOUS DETOUR BY MDOT CONTRACTOR

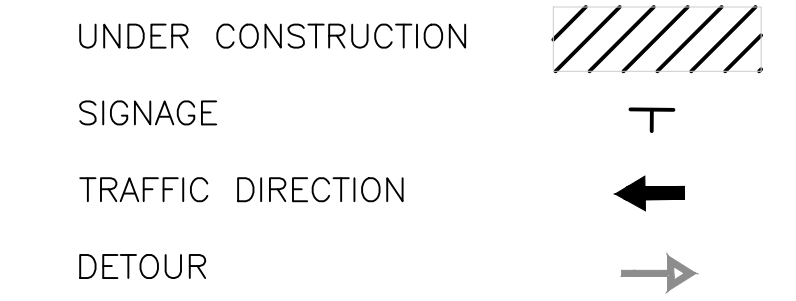
NOTE: COORDINATION REQUIRED WITH MDOT FOR THE NEW MT ELLIOTT DETOUR AND MAINTENANCE OF TRAFFIC



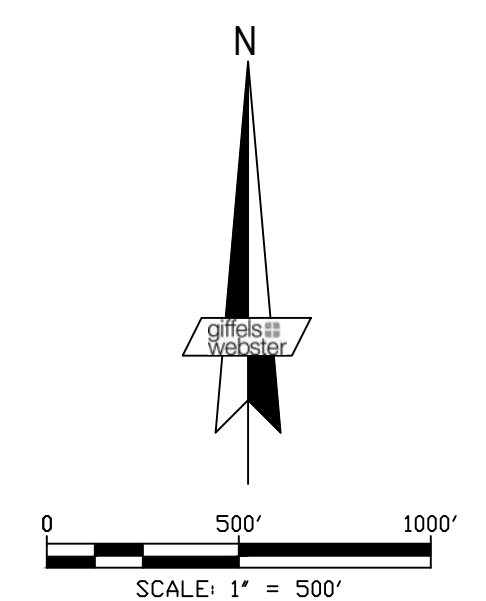
DETOUR AND MAINTENANCE OF TRAFFIC QUANTITIES - STAGE 1

155	EA	BARRICADE, TYPE III, HIGH INTENSITY, FURN
103	EA	BARRICADE, TYPE III, HIGH INTENSITY, OPER
105	EA	PLASTIC DRUM, FLUORESCENT, FURN
84	EA	PLASTIC DRUM, FLUORESCENT, OPER
1	EA	LIGHTED ARROW, TYPE C, FURN
1	EA	LIGHTED ARROW, TYPE C, OPER
1099	SFT	SIGN, TYPE B, TEMP, PRISMATIC, FURN
845	SFT	SIGN, TYPE B, TEMP, PRISMATIC, OPER

LEGEND



NOTES:
 ALL SIGNS INSTALLED PER MMUTCD SPECIFICATIONS.
 ALL D3-1 SIGNS TO BE BLACK LEGEND ON ORANGE BACKGROUND.



Engineers
 Surveyors
 Planners
 Landscape Architects

28 West Adams Road
 Suite 1200
 Detroit, MI 48226
 p (313) 962-4442
 f (313) 962-5068
 www.giffelswebster.com

Executive: MGD
 Manager: MGD
 Designer: MAA
 Quality Control: MGD
 Section: 21/28
 T-01-S R-12-E



DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
 Economic Development Corporation of the City of Detroit
 500 Griswold Street, Suite 2200
 Detroit, MI 48226
 P: 313.963.2940

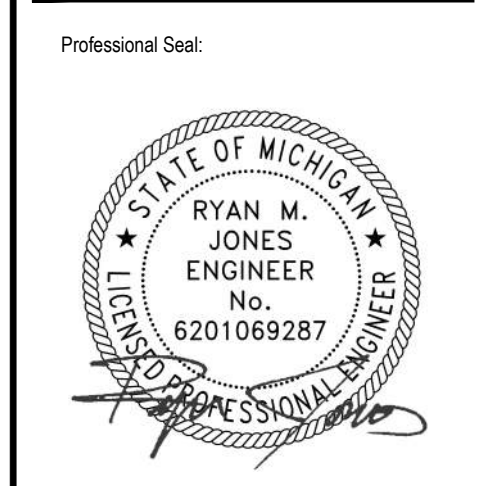
DETOUR PLAN STAGE 1

Mt Elliott Street Reconstruction
 City of Detroit
 Wayne County
 Michigan

Date: 06.11.2021
 Scale: 1"=500'
 Sheet: C800
 Project: 19483.00D

Copyright © 2020 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.

Executive:	MGD
Manager:	MGD
Designer:	MAA
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	



DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.20201	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

MAINTENANCE OF TRAFFIC PLAN STAGE 1

Mt Elliott Street Reconstruction
City of Detroit
Wayne County
Michigan

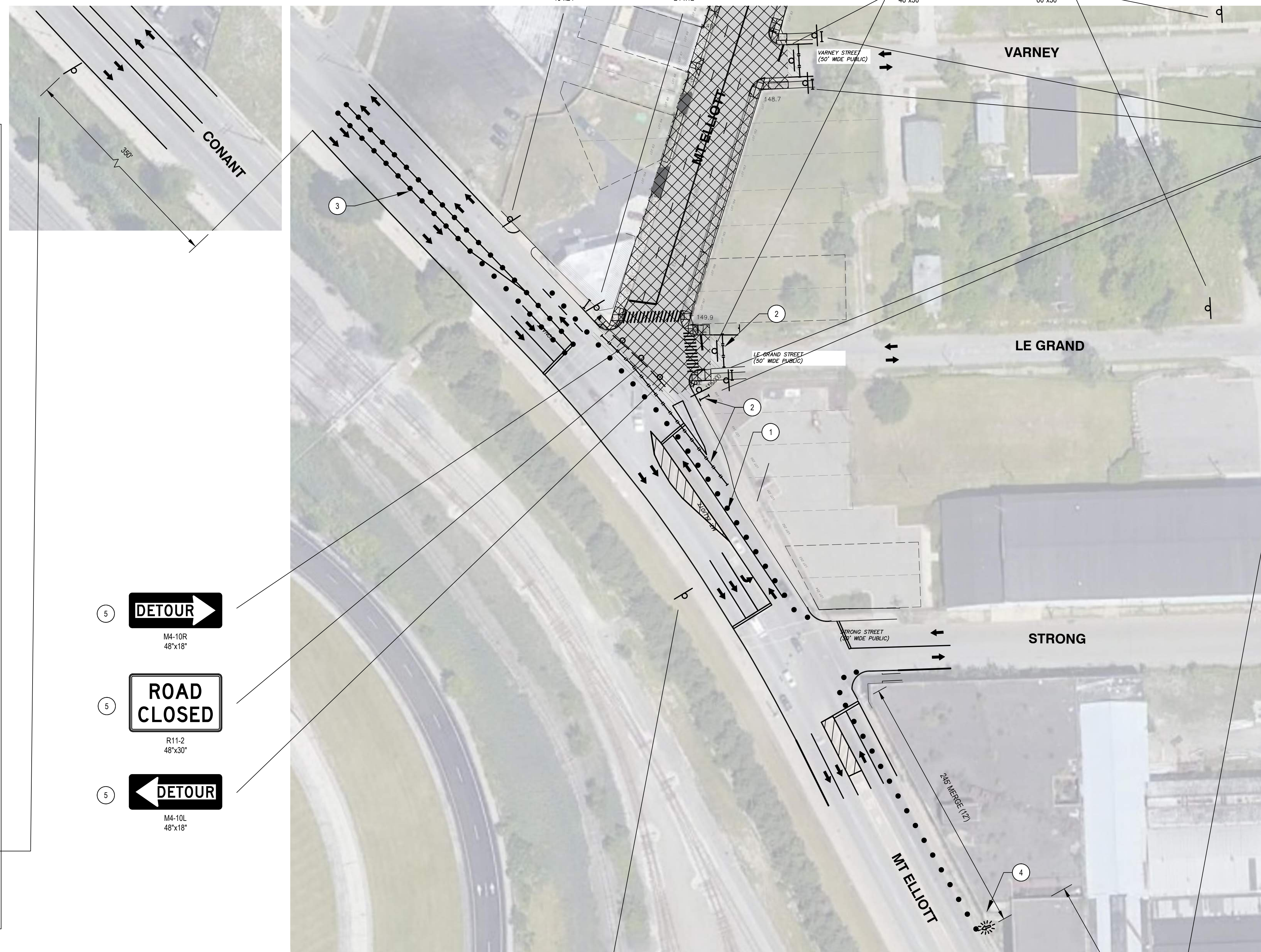
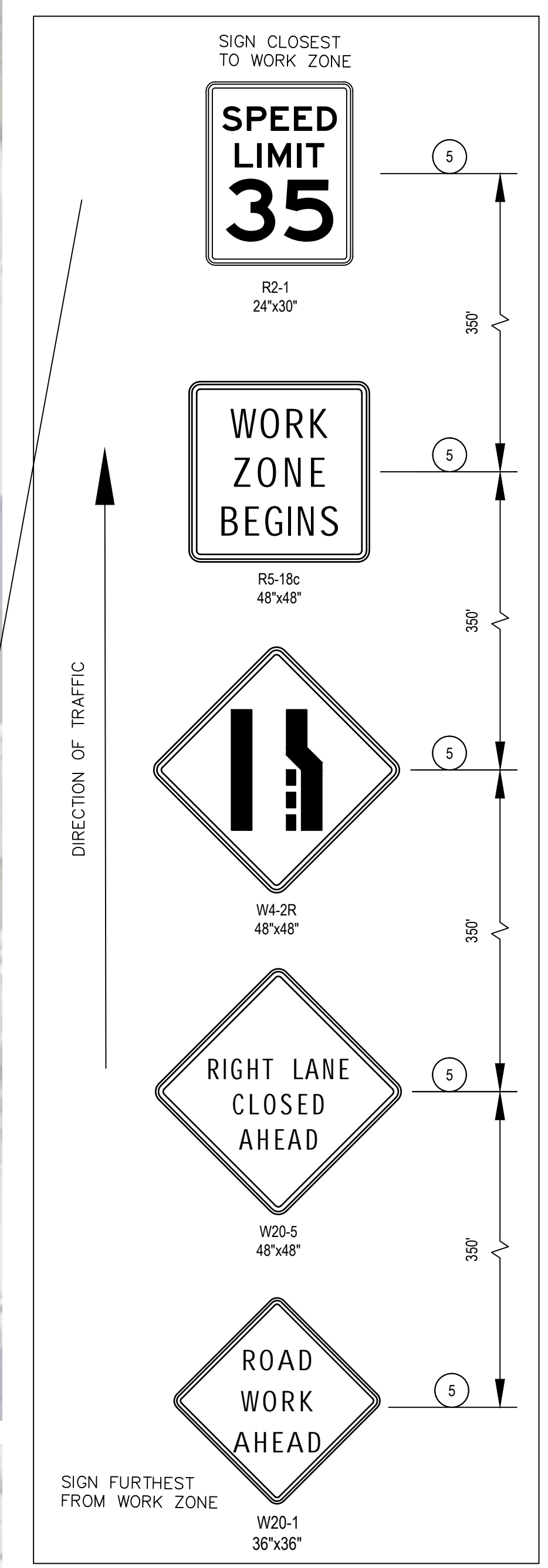
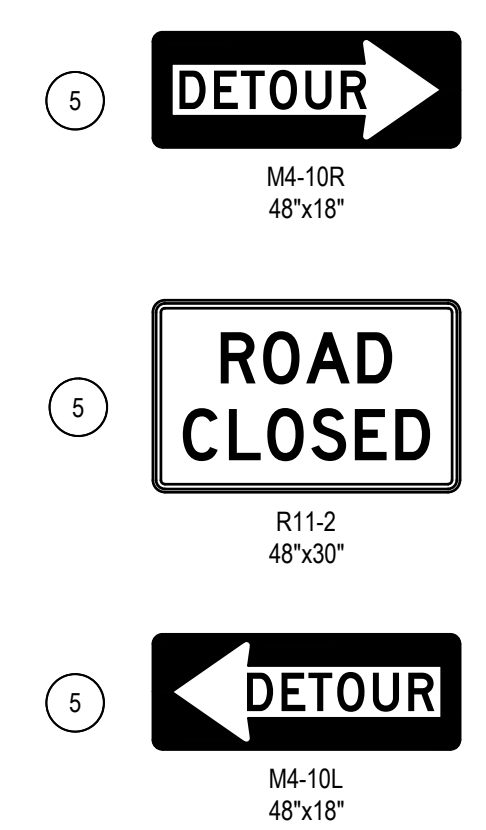
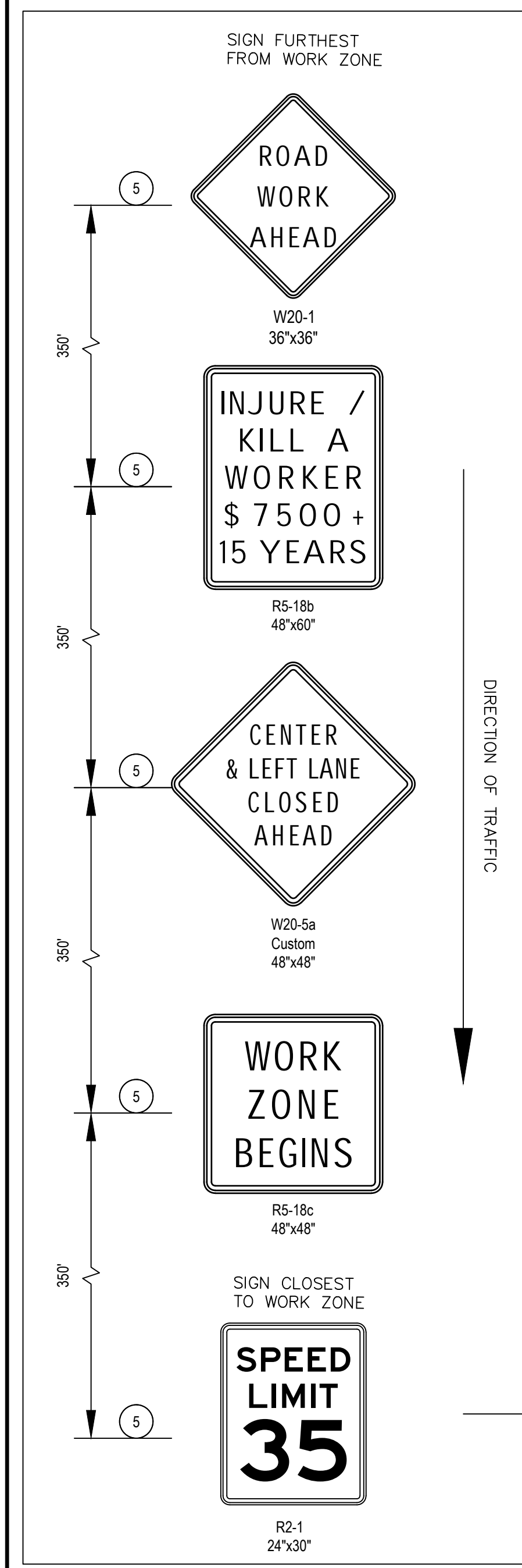
Date:	06.11.2021
Scale:	1"=50'
Sheet:	C801
Project:	19483.00D

MAINTENANCE OF TRAFFIC CONTROL PLAN KEY NOTES

- 1 LANE CLOSURE PER MDOT TYPICALS M0240a AND M0040a.
- 2 BARRICADE, TYPE III, HIGH INTENSITY.
- 3 PLASTIC DRUM, FLUORESCENT.
- 4 LIGHTED ARROW, TYPE C.
- 5 SIGN, TYPE B, TEMP, PRISMATIC.

STAGE 1 SUMMARY

CLOSE MT ELLIOTT FROM NORTH OF DODGE STREET TO CONANT STREET



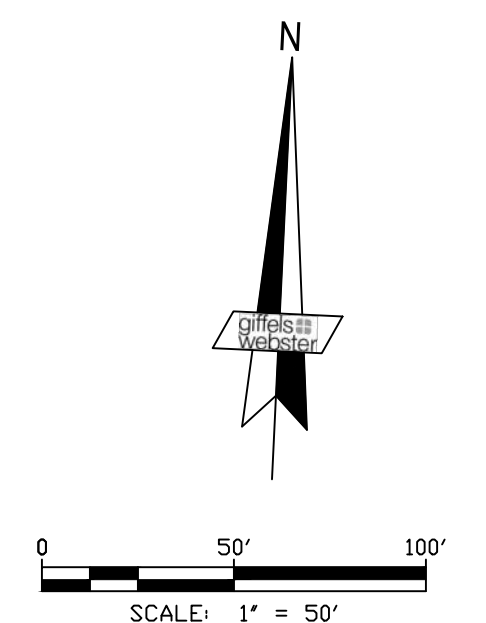
LEGEND

- AREA OF CLOSURE
- SIGNAGE
- TYPE III BARRICADE
- LIGHTED ARROW
- TRAVEL LANE DIRECTION

MAINTENANCE OF TRAFFIC CONTROL QUANTITIES THIS SHEET

42	EA	BARRICADE, TYPE III, HIGH INTENSITY, FURN
28	EA	BARRICADE, TYPE III, HIGH INTENSITY, OPER
105	EA	PLASTIC DRUM, FLUORESCENT, FURN
84	EA	PLASTIC DRUM, FLUORESCENT, OPER
1	EA	LIGHTED ARROW, TYPE C, FURN
1	EA	LIGHTED ARROW, TYPE C, OPER
251	SFT	SIGN, TYPE B, TEMP, PRISMATIC, FURN
193	SFT	SIGN, TYPE B, TEMP, PRISMATIC, OPER

NOTES:
THIS MOT PLAN APPLIES TO DETOUR STAGES 1 AND 2.
ALL SIGNS INSTALLED PER MMUTCD SPECIFICATIONS.
ALL D3-1 SIGNS TO BE BLACK LEGEND ON ORANGE BACKGROUND.



MAINTENANCE OF TRAFFIC CONTROL PLAN KEY NOTES

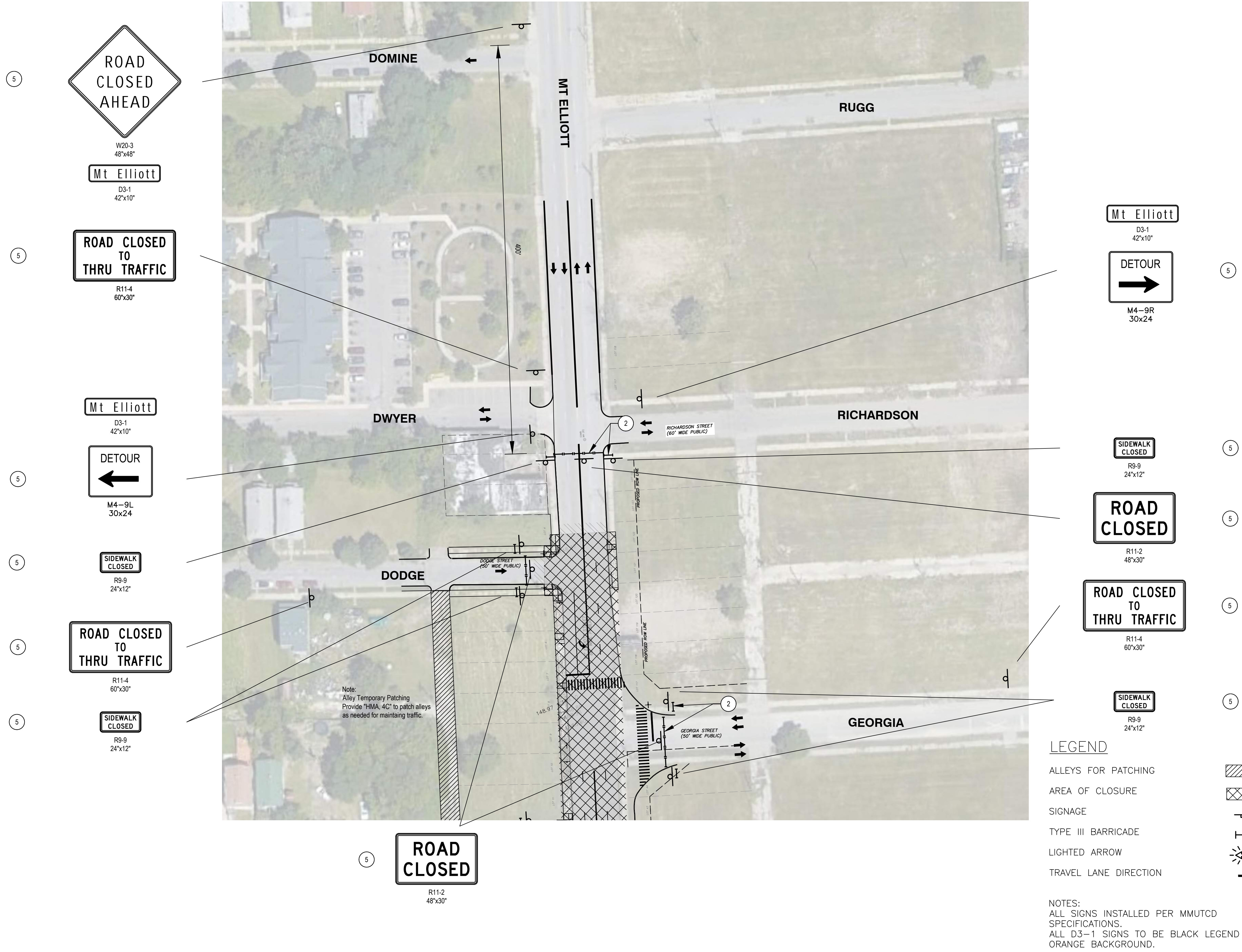
- 1 LANE CLOSURE PER MDOT TYPICALS M0240a AND M0040a.
- 2 BARRICADE, TYPE III, HIGH INTENSITY.
- 3 PLASTIC DRUM, FLUORESCENT.
- 4 LIGHTED ARROW, TYPE C.
- 5 SIGN, TYPE B, TEMP, PRISMATIC.

MAINTENANCE OF TRAFFIC CONTROL QUANTITIES THIS SHEET

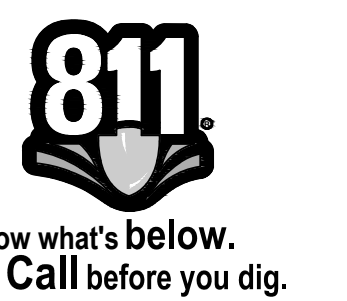
- 29 EA BARRICADE, TYPE III, HIGH INTENSITY, FURN
- 19 EA BARRICADE, TYPE III, HIGH INTENSITY, OPER
- 112 SFT SIGN, TYPE B, TEMP, PRISMATIC, FURN
- 86 SFT SIGN, TYPE B, TEMP, PRISMATIC, OPER

STAGE 1 SUMMARY

- CLOSE MT ELLIOTT FROM NORTH OF DODGE STREET TO CONANT STREET
- PROVIDE "HMA, 4C" TO PATCH ALLEYS AS NEEDED FOR MAINTAINING TRAFFIC
- ALLEYS FOR PATCHING WEST OF MT ELLIOTT: BETWEEN DODGE AND GEORGIA AND BETWEEN OLIVER AND DOROTHY
- ALLEYS FOR PATCHING EAST OF MT ELLIOTT: BETWEEN SELKIRK AND CYMBAL



Executive:	MGD
Manager:	MGD
Designer:	MAA
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	



DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

MAINTENANCE OF TRAFFIC PLAN STAGE 1

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=50'
Sheet:	C802
Project:	19483.00D

Copyright © 2021 Giffels Webster. No reproduction shall be made without the prior written consent of Giffels Webster.

V:\19483-00D Mt Elliott Road Project\Civil Engineering\PlanSet Construction Documents\Work Sheets\C801-802 Maintenance of Traffic Plan Stage 1.dwg

MT ELLIOTT DETOUR DESCRIPTION

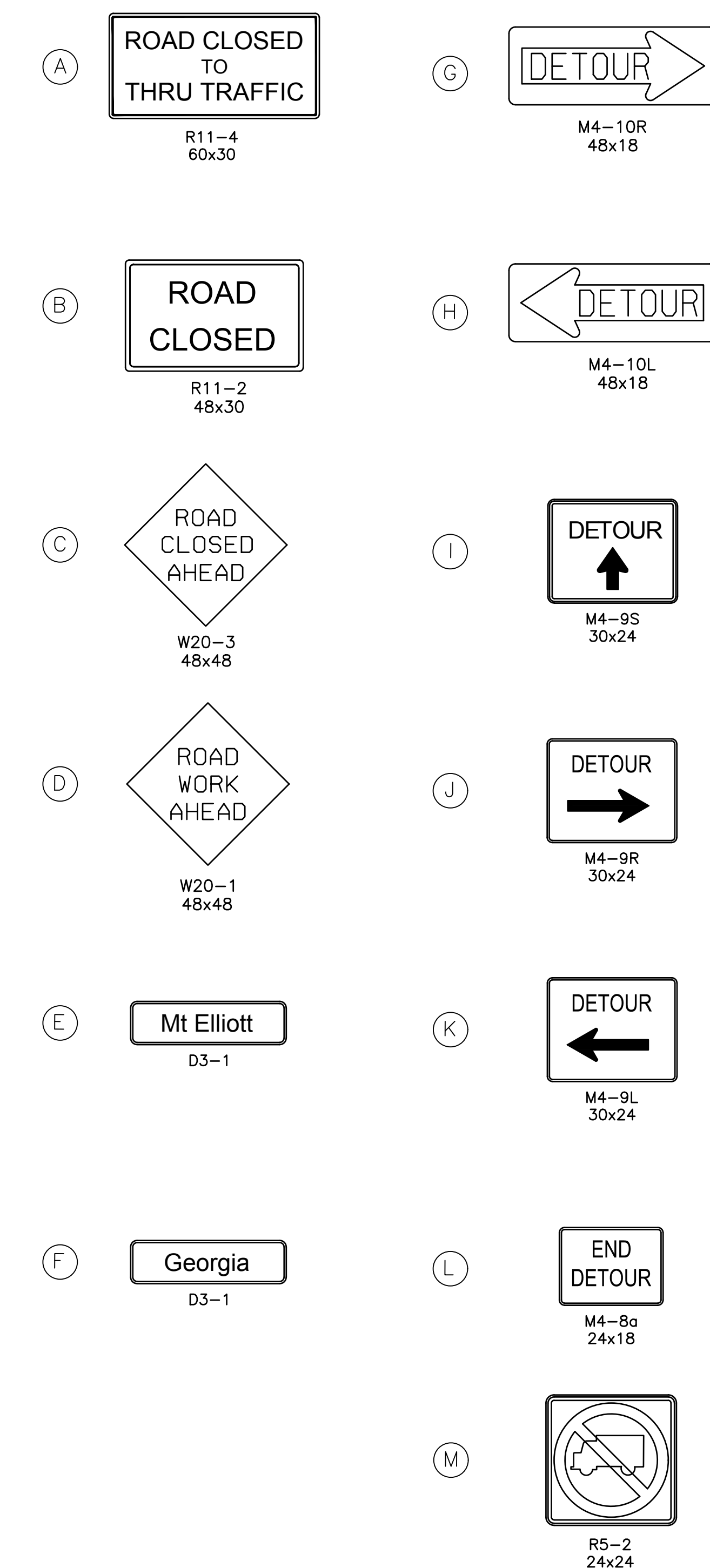
STAGE-2

VEHICULAR TRAFFIC:
 -NORTHBOUND AND SOUTHBOUND CLOSURE OF MT ELLIOTT STREET BETWEEN SOUTH OF GEORGIA STREET AND CONANT STREET. VEHICULAR TRAFFIC TAKES THE FOLLOWING DETOURS

NORTHBOUND MT ELLIOTT (ALL VEHICLES) DETOUR FROM CONANT IS EASTBOUND STRONG, NORTHBOUND FOSTER, EASTBOUND MILLER, NORTHBOUND ST CYRIL, AND WESTBOUND GEORGIA OR HUBER TOWARDS MT ELLIOTT. NORTHBOUND MT ELLIOTT (PASSENGER VEHICLES ONLY) DETOUR FROM CONANT IS EASTBOUND VINCENT, NORTHBOUND VINCENT, AND EASTBOUND MARCUS TOWARDS MT ELLIOTT.

AND

SOUTHBOUND MT ELLIOTT (ALL VEHICLES) DETOUR FROM NORTH OF MT ELLIOTT IS EASTBOUND GEORGIA OR HUBER, SOUTHBOUND ST CYRIL, WESTBOUND MILLER, SOUTHBOUND FOSTER, AND WESTBOUND STRONG. SOUTHBOUND MT ELLIOTT (PASSENGER VEHICLES ONLY) DETOUR IS WESTBOUND MARCUS, SOUTHBOUND VINCENT, AND WESTBOUND VINCENT TOWARDS CONANT.



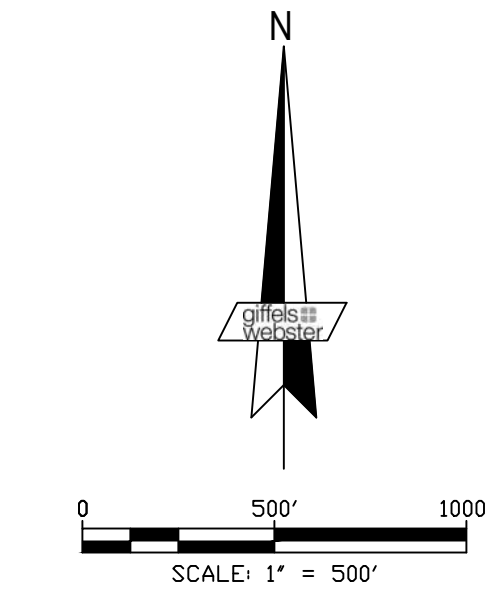
DETOUR AND MAINTENANCE OF TRAFFIC QUANTITIES - STAGE 1

- 138 EA BARRICADE, TYPE III, HIGH INTENSITY, FURN
- 92 EA BARRICADE, TYPE III, HIGH INTENSITY, OPER
- 105 EA PLASTIC DRUM, FLUORESCENT, FURN
- 84 EA PLASTIC DRUM, FLUORESCENT, OPER
- 1 EA LIGHTED ARROW, TYPE C, FURN
- 1 EA LIGHTED ARROW, TYPE C, OPER
- 939 SFT SIGN, TYPE B, TEMP, PRISMATIC, FURN
- 722 SFT SIGN, TYPE B, TEMP, PRISMATIC, OPER

LEGEND

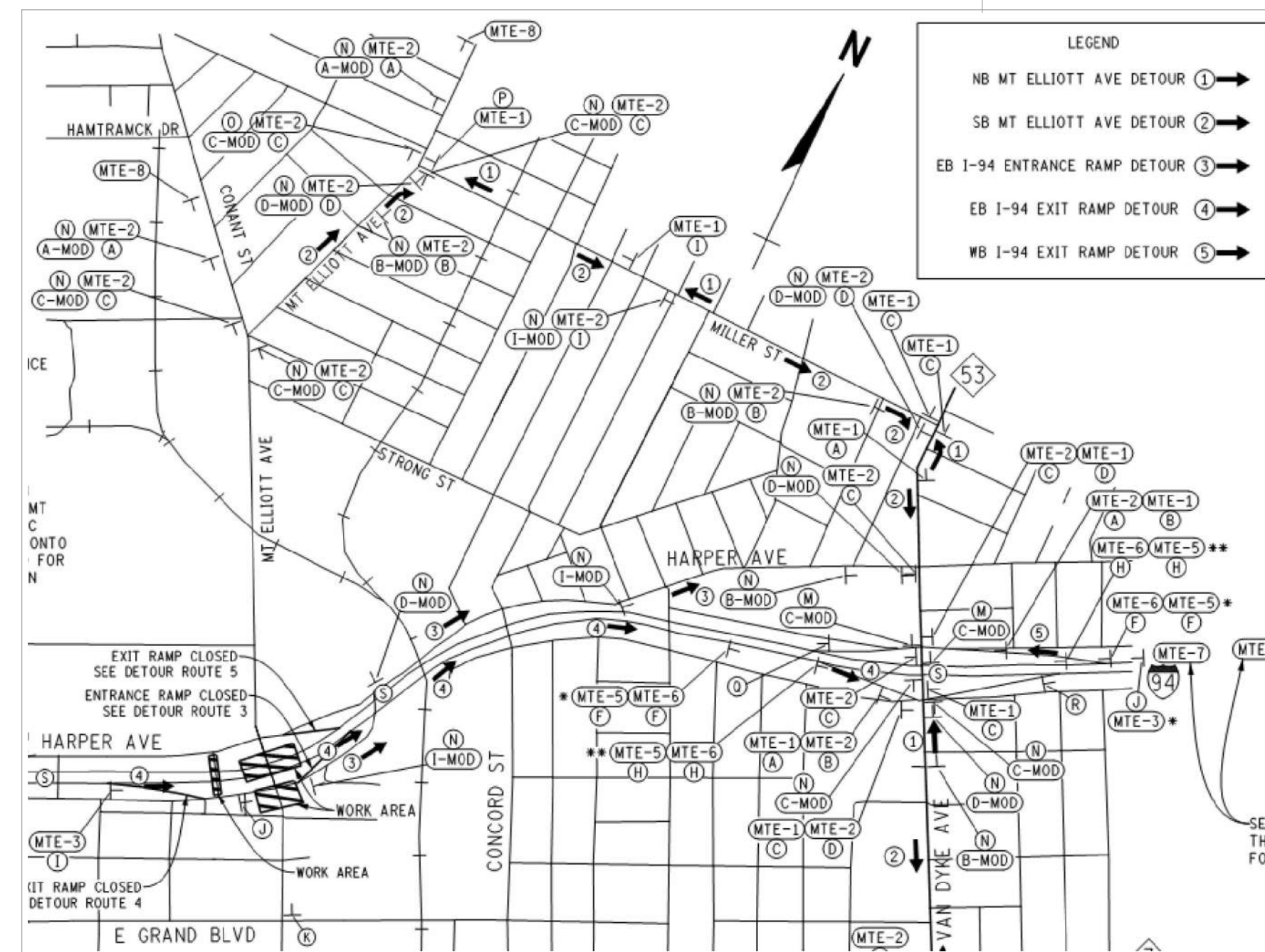
- UNDER CONSTRUCTION
- SIGNAGE
- TRAFFIC DIRECTION
- DETOUR

NOTES:
 ALL SIGNS INSTALLED PER MMUTCD SPECIFICATIONS.
 ALL D3-1 SIGNS TO BE BLACK LEGEND ON ORANGE BACKGROUND.



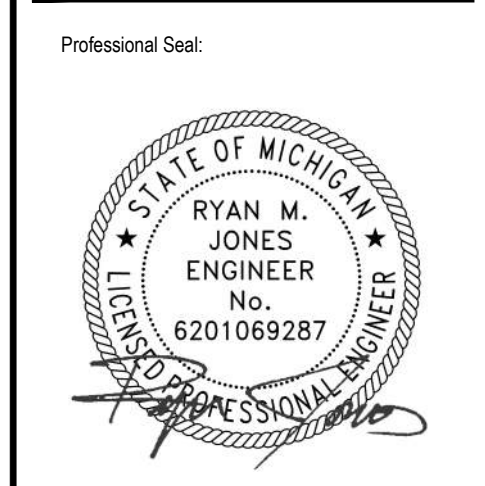
PREVIOUS DETOUR BY MDOT CONTRACTOR

NOTE: COORDINATION REQUIRED WITH MDOT FOR THE NEW MT ELLIOTT DETOUR AND MAINTENANCE OF TRAFFIC



giffels webster
 Engineers
 Surveyors
 Planners
 Landscape Architects
 28 West Adams Road
 Suite 1200
 Detroit, MI 48226
 p (313) 962-4442
 f (313) 962-5068
 www.giffelswebster.com

Executive: MGD
 Manager: MGD
 Designer: MAA
 Quality Control: MGD
 Section: 21/28
 T-01-S R-12-E



DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
 Economic Development Corporation of the City of Detroit
 500 Griswold Street, Suite 2200
 Detroit, MI 48226
 P: 313.963.2940

DETOUR PLAN STAGE 2

Mt Elliott Street Reconstruction
 City of Detroit
 Wayne County
 Michigan

Date: 06.11.2021
 Scale: 1"=500'
 Sheet: C803
 Project: 19483.00D

MAINTENANCE OF TRAFFIC CONTROL PLAN KEY NOTES

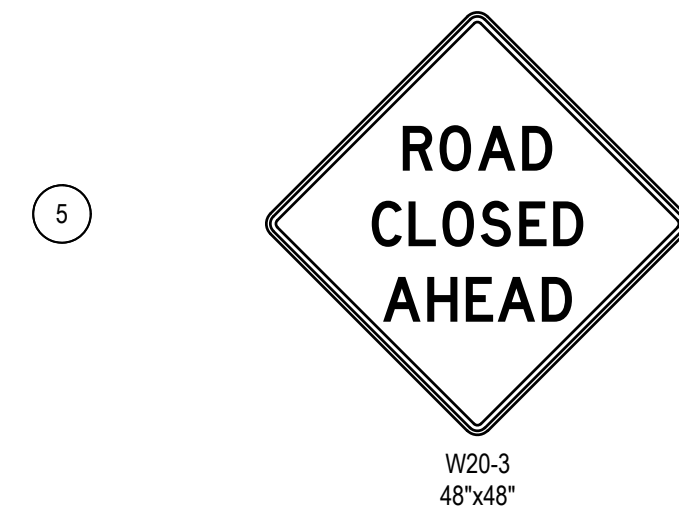
- 1 LANE CLOSURE PER MDOT TYPICALS M0240a AND M0040a.
- 2 BARRICADE, TYPE III, HIGH INTENSITY.
- 3 PLASTIC DRUM, FLUORESCENT.
- 4 LIGHTED ARROW, TYPE C.
- 5 SIGN, TYPE B, TEMP, PRISMATIC.

MAINTENANCE OF TRAFFIC CONTROL QUANTITIES THIS SHEET

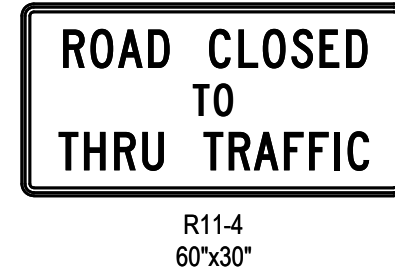
- 11 EA BARRICADE, TYPE III, HIGH INTENSITY, FURN
- 7 EA BARRICADE, TYPE III, HIGH INTENSITY, OPER
- 80 SFT SIGN, TYPE B, TEMP, PRISMATIC, FURN
- 61 SFT SIGN, TYPE B, TEMP, PRISMATIC, OPER

STAGE 2 SUMMARY

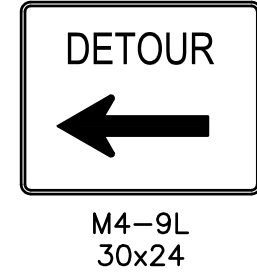
- OPEN MT ELLIOTT FROM NORTH OF DODGE STREET TO SOUTH OF GEORGIA STREET (WEST LEG)
- CLOSE MT ELLIOTT FROM SOUTH OF GEORGIA STREET (WEST LEG) TO CONANT STREET
- PROVIDE "HMA, 4C" TO PATCH ALLEYS AS NEEDED FOR MAINTAINING TRAFFIC
- ALLEYS FOR PATCHING WEST OF MT ELLIOTT: BETWEEN DODGE AND GEORGIA AND BETWEEN OLIVER AND DOROTHY
- ALLEYS FOR PATCHING EAST OF MT ELLIOTT: BETWEEN SELKIRK AND CYMBAL



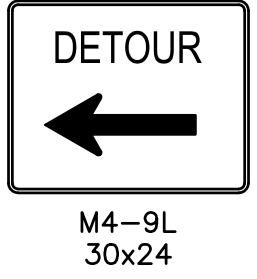
Mt Elliott
D3-1
42"x10"



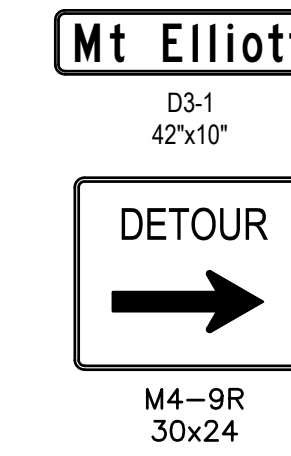
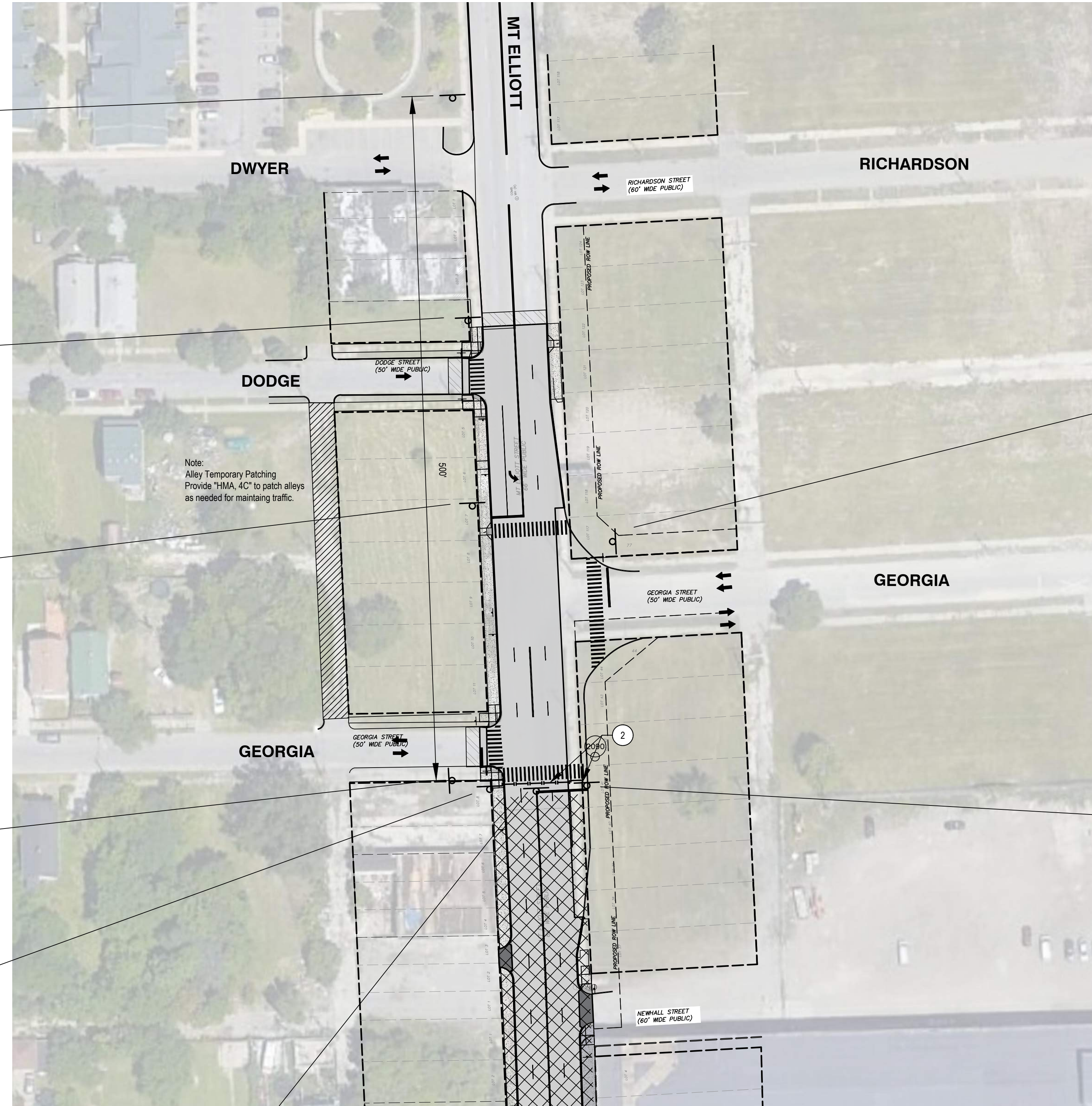
Mt Elliott
D3-1
42"x10"



Mt Elliott
D3-1
42"x10"



SIDEWALK CLOSED
R9-9
24"x12"

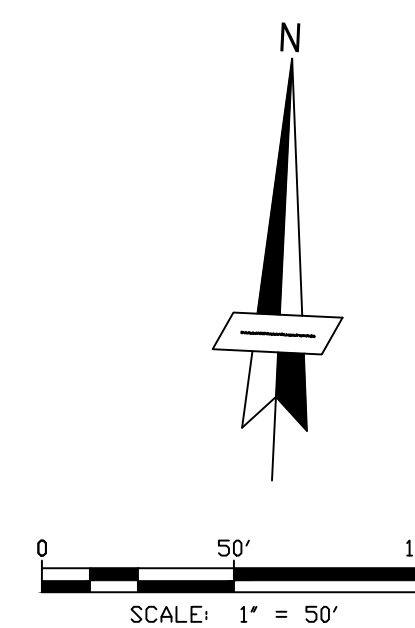


SIDEWALK CLOSED
R9-9
24"x12"

LEGEND

- ALLEY FOR PATCHING
- AREA OF CLOSURE
- SIGNAGE
- TYPE III BARRICADE
- LIGHTED ARROW
- TRAVEL LANE DIRECTION

NOTES:
ALL SIGNS INSTALLED PER MMUTCD SPECIFICATIONS.
ALL D3-1 SIGNS TO BE BLACK LEGEND ON ORANGE BACKGROUND.



Executive:	MGD
Manager:	MGD
Designer:	MAA
Quality Control:	MGD
Section:	21/28
T-01-S R-12-E	

Professional Seal:



Know what's below.
Call before you dig.

DATE	ISSUE
6.15.2020	CITY OF DETROIT REVIEW
7.9.2020	CITY OF DETROIT BIDDING
7.31.2020	CITY OF DETROIT BIDDING
9.04.2020	ISSUED FOR BID
4.02.2021	ISSUED FOR RE-BID
6.11.2021	PERMIT RESUBMISSION

Developed For:
Economic Development
Corporation of the City of Detroit
500 Griswold Street, Suite 2200
Detroit, MI 48226
P: 313.963.2940

MAINTENANCE OF TRAFFIC PLAN STAGE 2

Mt Elliott Street Reconstruction

City of Detroit
Wayne County
Michigan

Date:	06.11.2021
Scale:	1"=50'
Sheet:	C804
Project:	19483.00D