

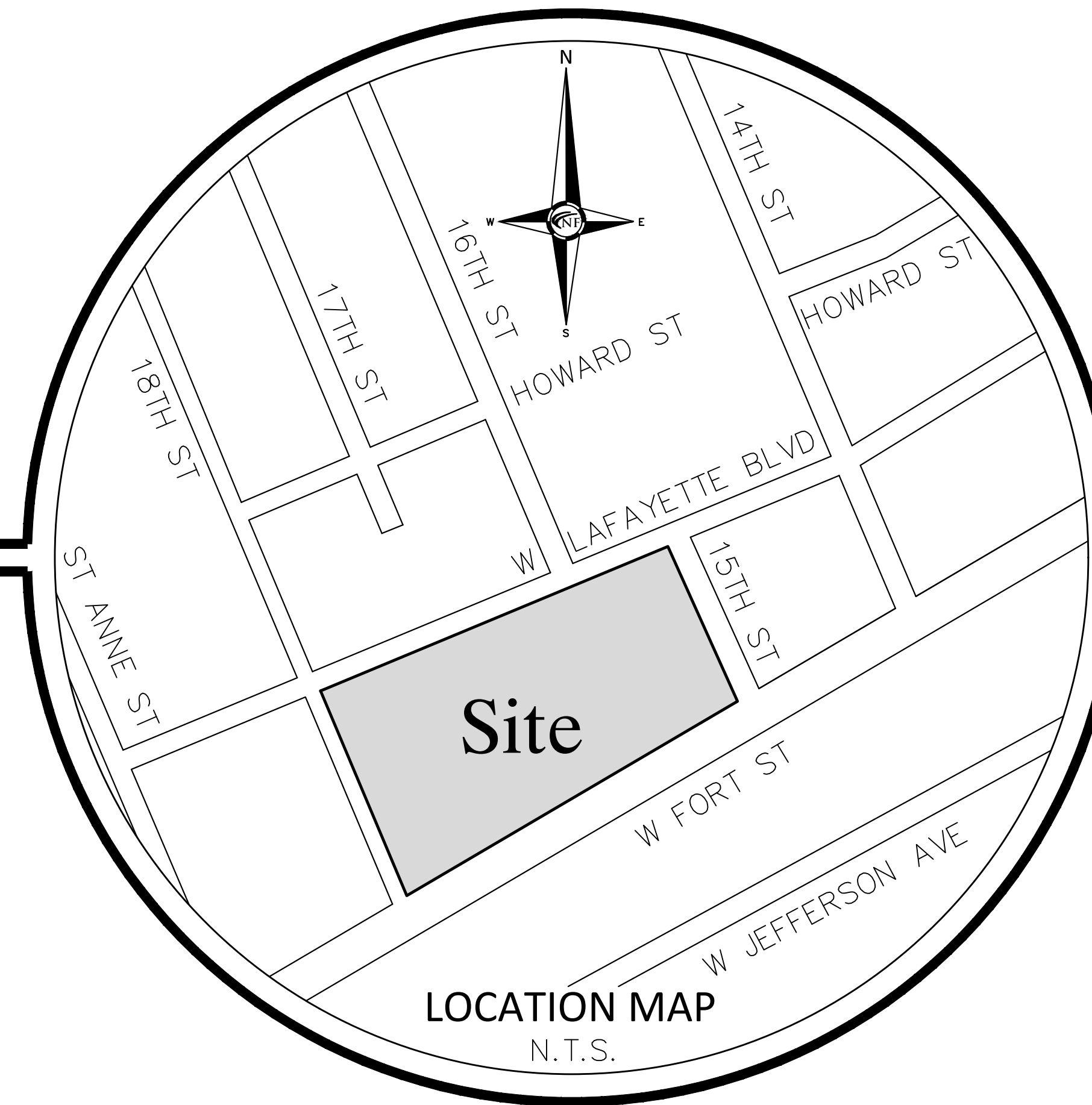
City of Detroit,
 Wayne County, Michigan
CONSTRUCTION DOCUMENTS
 Prepared For
Detroit International Bridge Company
 PART OF PRIVATE CLAIM NO. 44

Owner / Developer

DETROIT INTERNATIONAL BRIDGE COMPANY
 12225 STEPHENS ROAD
 WARREN, MICHIGAN 48089
 CONTACT:
 MR. KEN CARTER
 PHONE: (313) 363-2868
 EMAIL: KCARTER@QAMBASSADORBRIDGE.COM

Civil Engineer

NOWAK AND FRAUS ENGINEERS
 46777 WOODWARD AVENUE
 PONTIAC, MICHIGAN 48342
 CONTACT:
 MR. JASON R. LONGHURST, P.E.
 PHONE: (248) 332-7931
 EMAIL: JLONGHURST@NFE-ENGR.COM



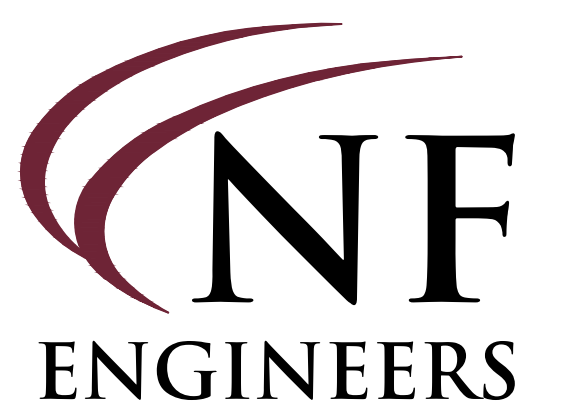
SHEET INDEX

- C0 Cover Sheet
- C1 Boundary and Topographic Survey
- C2 Demolition Plan - 16th Street Extension
- C3 Engineering Plan - 16th Street Extension
- C4 Soil Erosion and Sedimentation Control Plan
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- C8 Demolition and Engineering Plan - Vacated 17th Street

REVISIONS:
 2023-08-08 - ISSUED FOR CLIENT REVIEW
 2024-02-20 - REVISED PER CITY REVIEW
 2024-03-20 - REVISED PER CLIENT

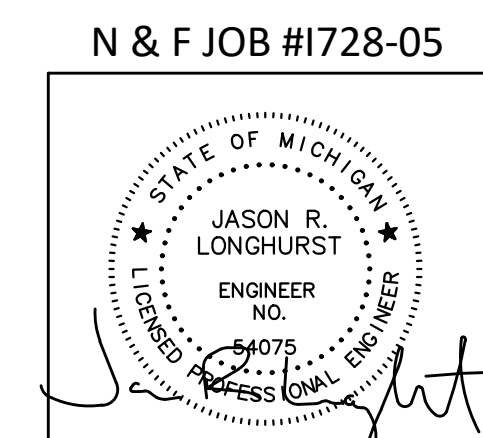
Project Name

16th Street Extension

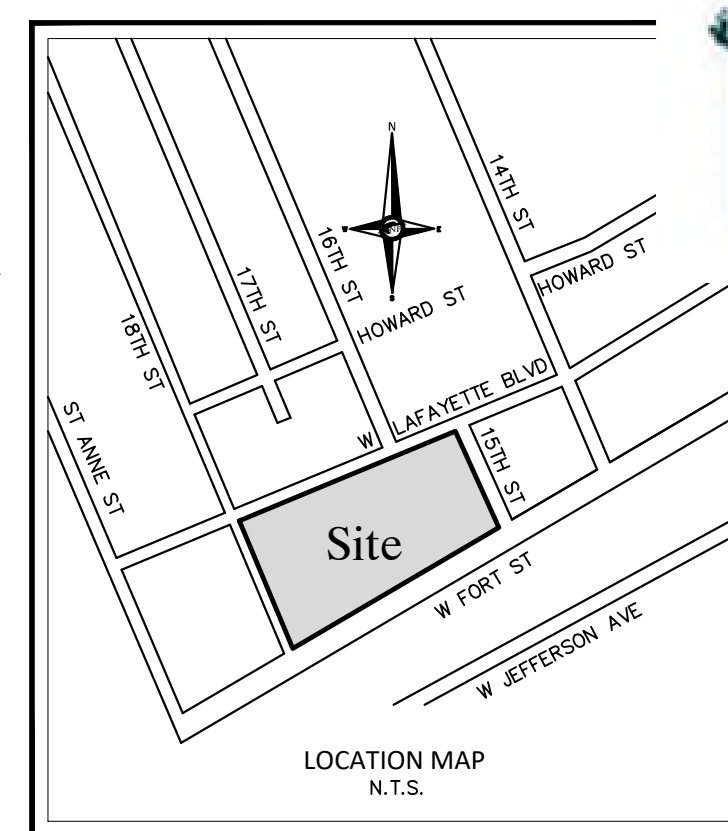
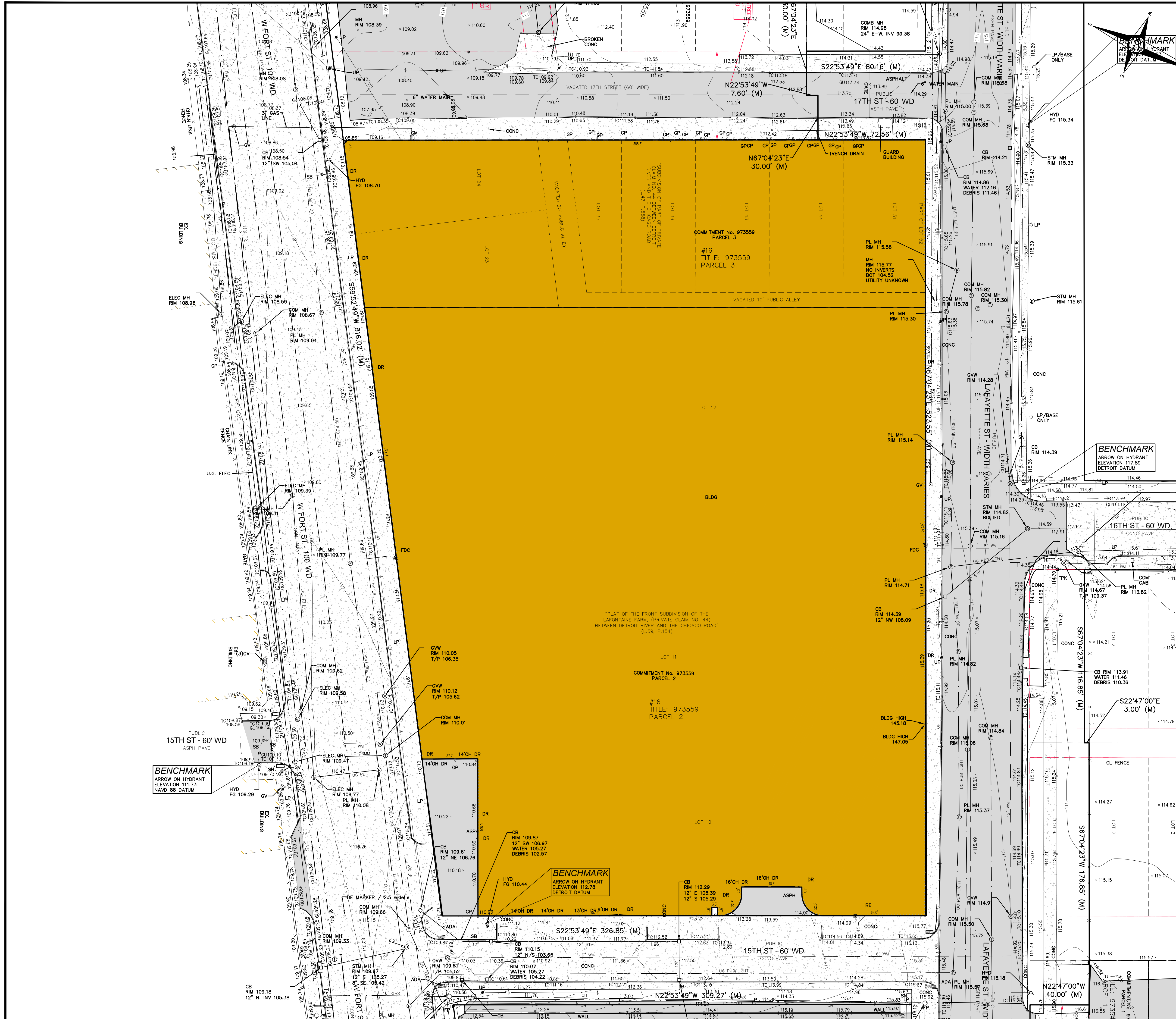


CIVIL ENGINEERS
 LAND SURVEYORS
 LAND PLANNERS

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N & F JOB #1728-05



APPROVED
ePLAN
PLAN REVIEW
 Buildings, Safety Engineering & Environmental Department
 Date: 4/17/2024
Permit Number: ENG-24-69
ENGINEERS
 CIVIL ENGINEERS
 LAND SURVEYORS
 LAND PLANNERS
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PROJECT
 16th Street Extension

CLIENT
 Detroit International Bridge Co.
 12225 Stephens Road
 Warren, Michigan 48089
 Contact:
 Mr. Ken Carter
 Phone: (313) 363-2868
 Email:
 kcarter@qambassadorsbridge.com

PROJECT LOCATION
 Part of Private Claim No. 44
 City of Detroit
 Wayne County, Michigan

SHEET
 Boundary and
 Topographic Survey



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MISS DIG / UTILITY DISCLAIMER NOTE
 A MISS DIG TICKET NUMBER 2022051201367 & 2023060501622, PURSUANT TO MICHIGAN PUBLIC ACT 174 WAS ENTERED FOR THE SURVEYED PROPERTY. DUE TO THE EXTENDED REPORTING PERIOD FOR UNDERGROUND FACILITY OWNERS TO PROVIDE THEIR RECORDS, THE SURVEY MAY NOT REFLECT ALL THE UTILITIES AT THE TIME THE SURVEY WAS ISSUED ON 05-07-2023. THE SURVEY ONLY REFLECTS THOSE UTILITIES WHICH WERE PROVIDED BY THE UTILITY COMPANY RECORDS FURNISH PRIOR TO THE DATE THIS SURVEY WAS ISSUED. THE CLIENT AND/OR THEIR AUTHORIZED AGENT SHALL VERIFY WITH THE FACILITY OWNERS AND/OR THEIR AUTHORIZED AGENTS, THE COMPLETENESS AND EXACTNESS OF THE UTILITIES LOCATION.

DTE DISCLAIMER NOTE
 PLEASE NOTE THAT DTE HAS NEW REGULATIONS THAT MAY IMPACT DEVELOPMENT OUTSIDE THEIR EASEMENT OR THE PUBLIC RIGHT OF WAY. CLIENT SHALL CONTACT DTE TO DETERMINE THE NEW STRUCTURES AND POWER LINE REQUIREMENTS AS THEY MAY APPLY TO ANY FUTURE BUILDING OR RENOVATION OF A STRUCTURE. DTE ENERGY CAN BE CONTACTED AT 800-477-4747.

SURVEY NOTES
 ALL ELEVATIONS ARE EXISTING ELEVATIONS, UNLESS OTHERWISE NOTED.
 UTILITY LOCATIONS WERE DETERMINED BY FIELD OBSERVATION AND OBTAINED FROM MUNICIPAL OFFICIALS AND RECORDS OF UTILITY OWNERS, AND NO GUARANTEE CAN BE MADE TO THE COMPLETENESS, OR EXACTNESS OF LOCATION, THE LOCATION OF ANY OTHER UNDERGROUND SERVICES WHICH MAY EXIST CAN ONLY BE DETERMINED IF A UTILITY PLAN IS FURNISHED TO THE SURVEYOR.

LEGEND

	MANHOLE		EXISTING SANITARY SEWER
	HYDRANT		EXISTING SAN. CLEAN OUT
	MANHOLE		EXISTING WATER MAIN
	MANHOLE		EXISTING STORM SEWER
	MANHOLE		EX. R.Y. CATCH BASIN
	UTILITY POLE		EXISTING BURIED CABLES
	GUY WIRE		OVERHEAD LINES
	LIGHT POLE		SIGN
	EXISTING GAS MAIN		

DRAWN BY:
 J. Nelson
 DESIGNED BY:
 K. Navaroli
 APPROVED BY:
 K. Navaroli
 DATE:
 June 12, 2023
 SCALE: 1" = 30'
 30 15 0 15 30 45
 NFE JOB NO. 1728-05 SHEET NO. C1

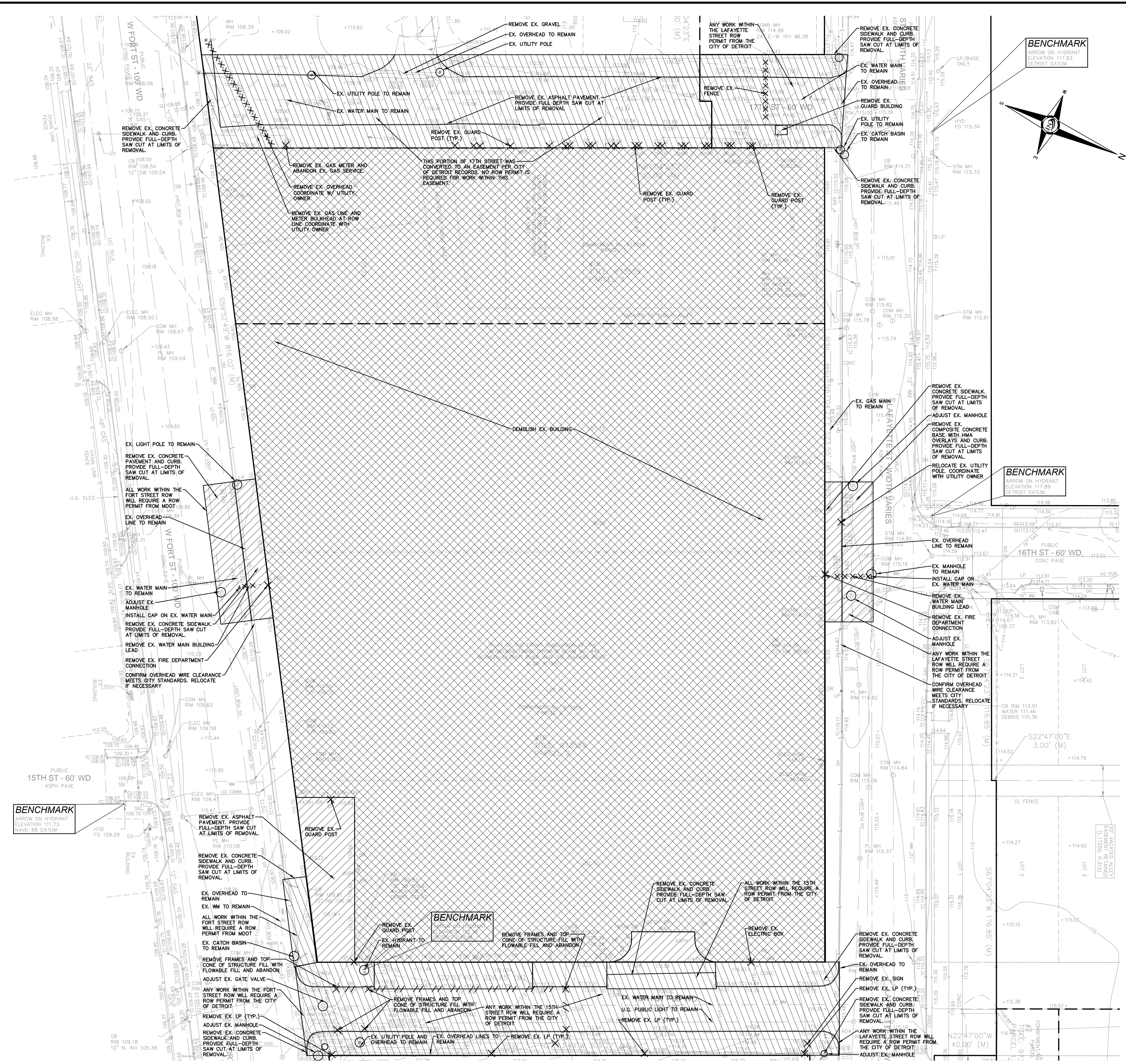
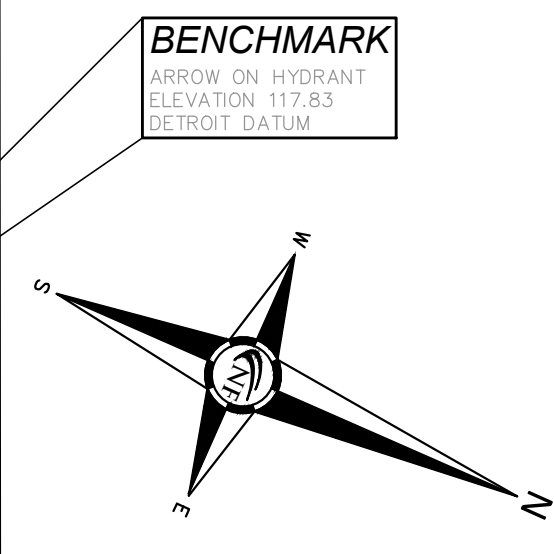
Date: 4/17/2024

Permit Number: ENG-24-69

ENGINEERS

CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS

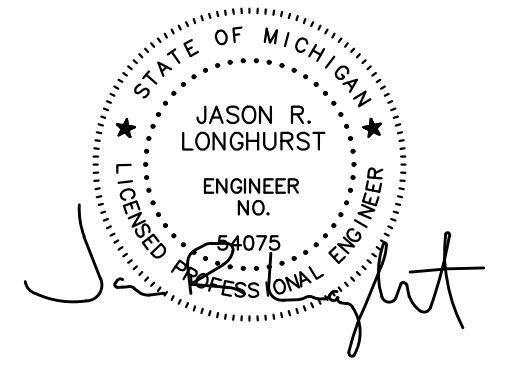
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WWW.NOWAKFRAUS.COM



DEMOLITION NOTES

DEMOLITION OF SITE IMPROVEMENTS SHALL BE ALLOWED ONLY AFTER AN APPROVED PERMIT HAS BEEN SECURED FROM THE PUBLIC AGENCY HAVING JURISDICTION OVER SAID DEMOLITION.
FOR ANY DEMOLITION WITHIN PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL PAY FOR AND SECURE ALL NECESSARY PERMITS AND LICENSES AS REQUIRED FOR THAT TYPE OF DEMOLITION.
SITE DEMOLITION INCLUDES THE COMPLETE REMOVAL OF SITE IMPROVEMENTS AND OFF-SITE DISPOSAL. DEBRIS SHALL BE TRANSPORTED TO AN APPROPRIATE DISPOSAL FACILITY THAT IS LICENSED FOR THAT TYPE OF DEBRIS.
THE CONTRACTOR SHALL COORDINATE TRUCK ROUTES WITH THE MUNICIPALITY PRIOR TO COMMENCEMENT OF SITE DEMOLITION. ALL TRUCKS SHALL BE TARPED OR PROPERLY SECURED TO CONTAIN DEMOLITION DEBRIS PRIOR TO LEAVING SITE.
EXISTING ON-SITE UNDERGROUND UTILITIES AND BUILDING SERVICES HAVE BEEN INDICATED BASED UPON THE BEST AVAILABLE UTILITY RECORDS AND/OR ON-SITE INSPECTION. NO GUARANTEE IS MADE BY THE DESIGN ENGINEER AS TO THE COMPLETENESS OR ACCURACY OF UTILITY DATA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFICATION OF UTILITY INFORMATION (THE DESIGN ENGINEER MAKES NO GUARANTEE NOR ASSUMES ANY LIABILITY AS TO THE COMPLETENESS AND/OR ACCURACY OF UTILITY DATA).
PRIOR TO THE REMOVAL OR ABANDONMENT OF ANY EXISTING UNDERGROUND UTILITY OR BUILDING SERVICE LINES CALLED FOR IN THE PLANS OR DISCOVERED DURING EXCAVATION, THE CONTRACTOR MUST DETERMINE IF THE UTILITY LINE OR BUILDING SERVICE IS STILL IN USE. IF THE UTILITY LINE OR BUILDING SERVICE IS STILL IN USE, THE CONTRACTOR MUST TAKE ALL THE NECESSARY STEPS TO GUARANTEE THAT THE UTILITY LINE OR BUILDING SERVICE IS RECONNECTED WITHOUT AN INTERRUPTION IN SERVICE. THE RECONNECTION OF THE UTILITY LINE OR BUILDING SERVICE MUST BE IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS OF THE APPROPRIATE GOVERNMENTAL AGENCY OR PRIVATE UTILITY COMPANY.
SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO SITE DEMOLITION.
* THE CONTRACTOR SHALL NOTIFY MISS DIG (1-800-482-7171) A MINIMUM OF THREE (3) WORKING DAYS PRIOR TO THE START OF THE SITE DEMOLITION.
THE CONTRACTOR SHALL COORDINATE THE REMOVAL AND/OR RELOCATION OF EXISTING UTILITY POLES AND BUILDING SERVICES WITH THE UTILITY COMPANY. REMOVAL OF THE UTILITY COMPANIES ELECTRICAL SERVICES SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND REQUIREMENTS OF THE UTILITY COMPANY.
THE CONTRACTOR SHALL COORDINATE THE REMOVAL AND/OR RELOCATION OF EXISTING UTILITY POLES AND BUILDING SERVICES WITH THE UTILITY COMPANY. REMOVAL OF THE UTILITY COMPANIES GAS SERVICES SHALL BE IN ACCORDANCE WITH THE STANDARDS AND REQUIREMENTS OF THE UTILITY COMPANY.
THE CONTRACTOR SHALL COORDINATE THE REMOVAL AND/OR RELOCATION OF EXISTING UTILITY POLES AND BUILDING SERVICES WITH THE UTILITY COMPANY. REMOVAL OF THE UTILITY COMPANIES COMMUNICATION SERVICES SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND REQUIREMENTS OF THE UTILITY COMPANY.
THE CONTRACTOR SHALL COORDINATE THE REMOVAL AND/OR RELOCATION OF EXISTING UTILITY POLES AND BUILDING SERVICES WITH THE APPROPRIATE CABLE MEDIA COMPANY. REMOVAL OF CABLE SERVICES SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND REQUIREMENTS OF THE CABLE COMPANY.
THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF PRIVATE UTILITY COMPANIES AND COORDINATE UTILITY SERVICE SHUT OFF/DISCONNECT, PRIOR TO DEMOLITION OF EXISTING STRUCTURES OR PROPERTIES.
ALL UTILITY METERS SHALL BE REMOVED BY THE APPROPRIATE UTILITY COMPANY.
ANY ON-SITE STORM SEWER FACILITIES LOCATED DURING DEMOLITION SHALL BE REMOVED AND BULK HEADED AT THE PROPERTY LINE IF INDICATED FOR REMOVAL ON THE PLANS.
PRIOR TO BUILDING DEMOLITION, ALL HAZARDOUS MATERIAL SHALL BE REMOVED BY OTHERS. THE DEMOLITION CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER SHOULD ANY SUSPICIOUS MATERIAL BE FOUND.
WATER SERVICES AND/OR STOP-BOX SHALL BE PRESERVED AND BULK HEADED AT THE PROPERTY LINE OR AS DIRECTED BY THE OWNER'S REPRESENTATION.

SEAL



PROJECT
16th Street Extension

CLIENT
Detroit International Bridge Co.
12225 Stephens Road
Warren, Michigan 48089
Contact:
Mr. Ken Carter
Phone: (313) 363-2868
Email:
kcarter@qambassadorebridge.com

PROJECT LOCATION
Part of Private Claim No. 44
City of Detroit
Wayne County, Michigan

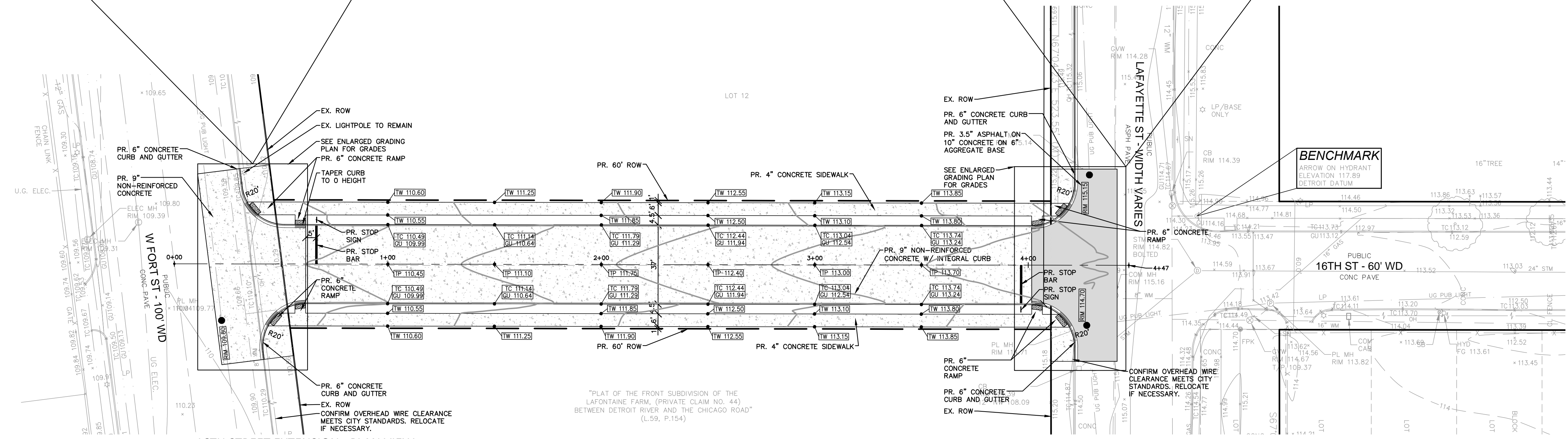
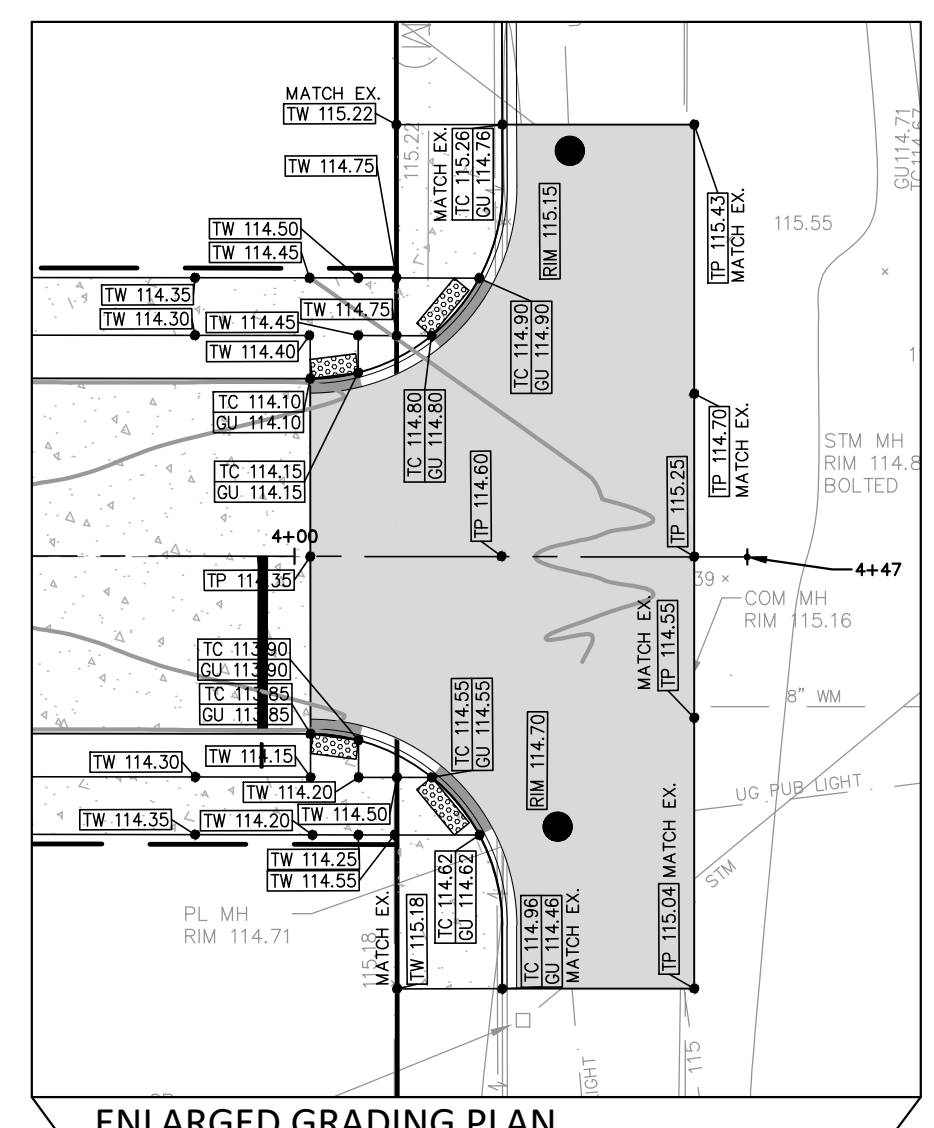
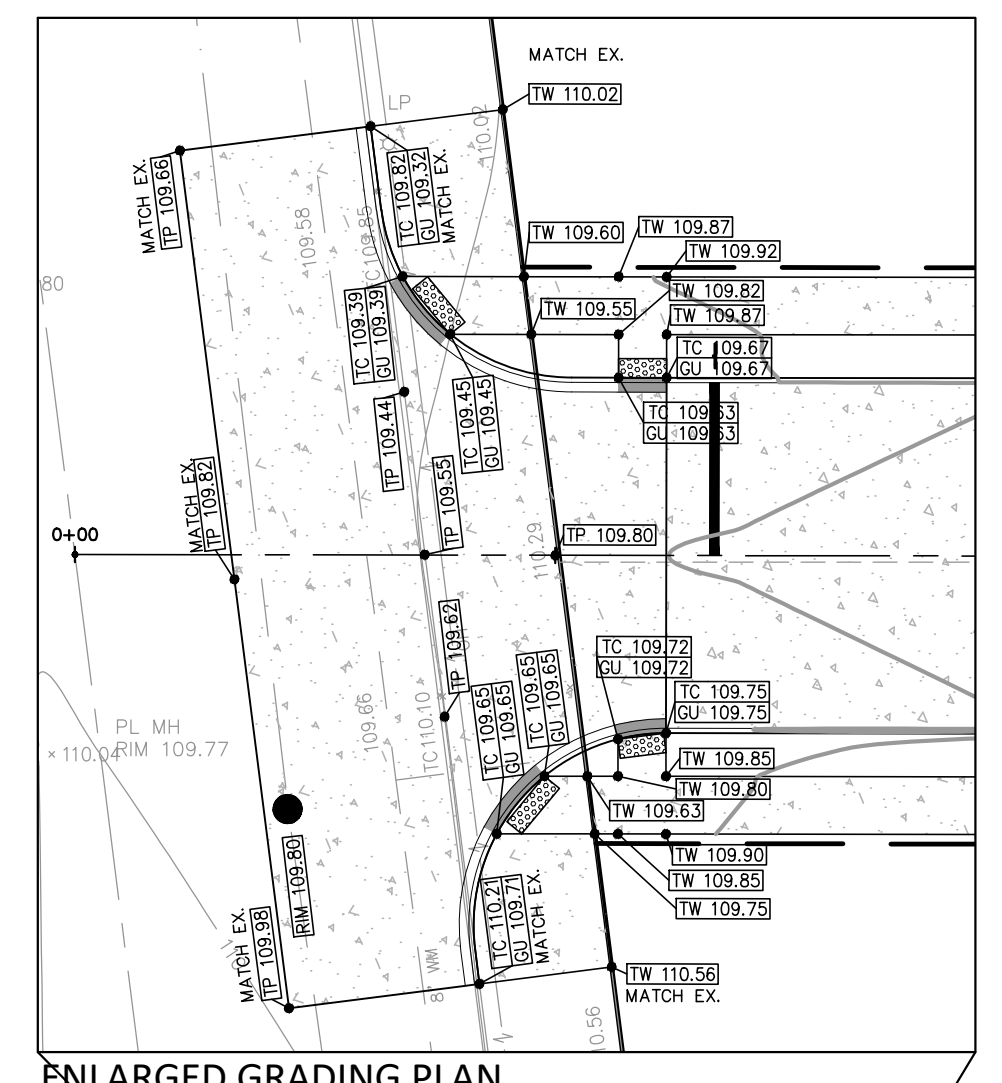
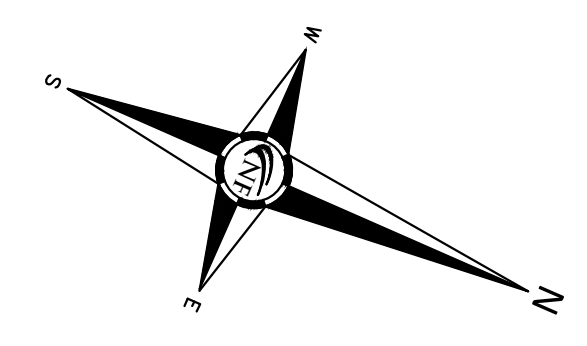
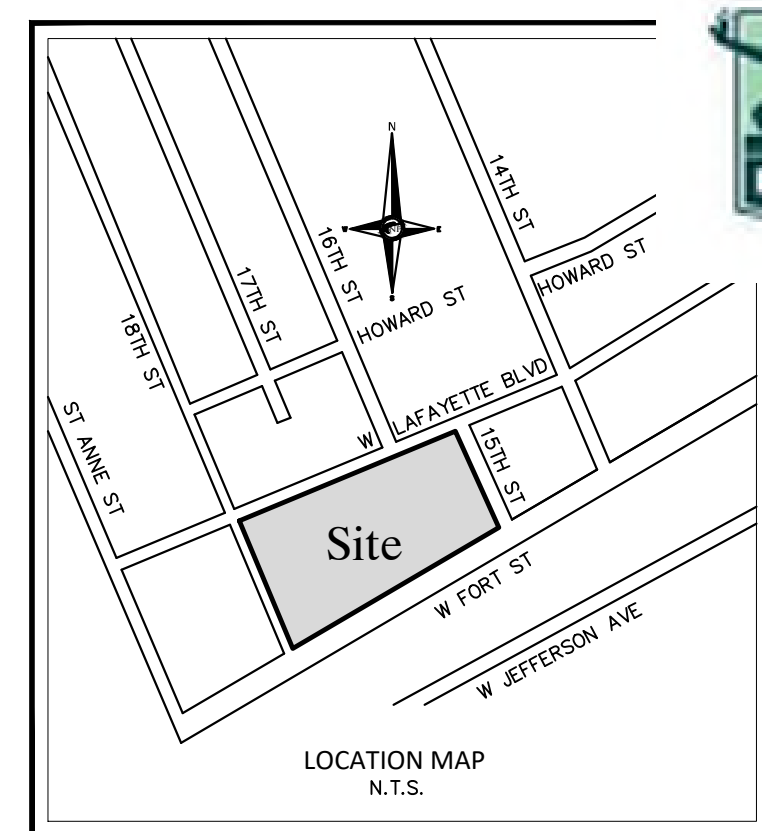
SHEET
Demolition Plan - 16th
Street Extension



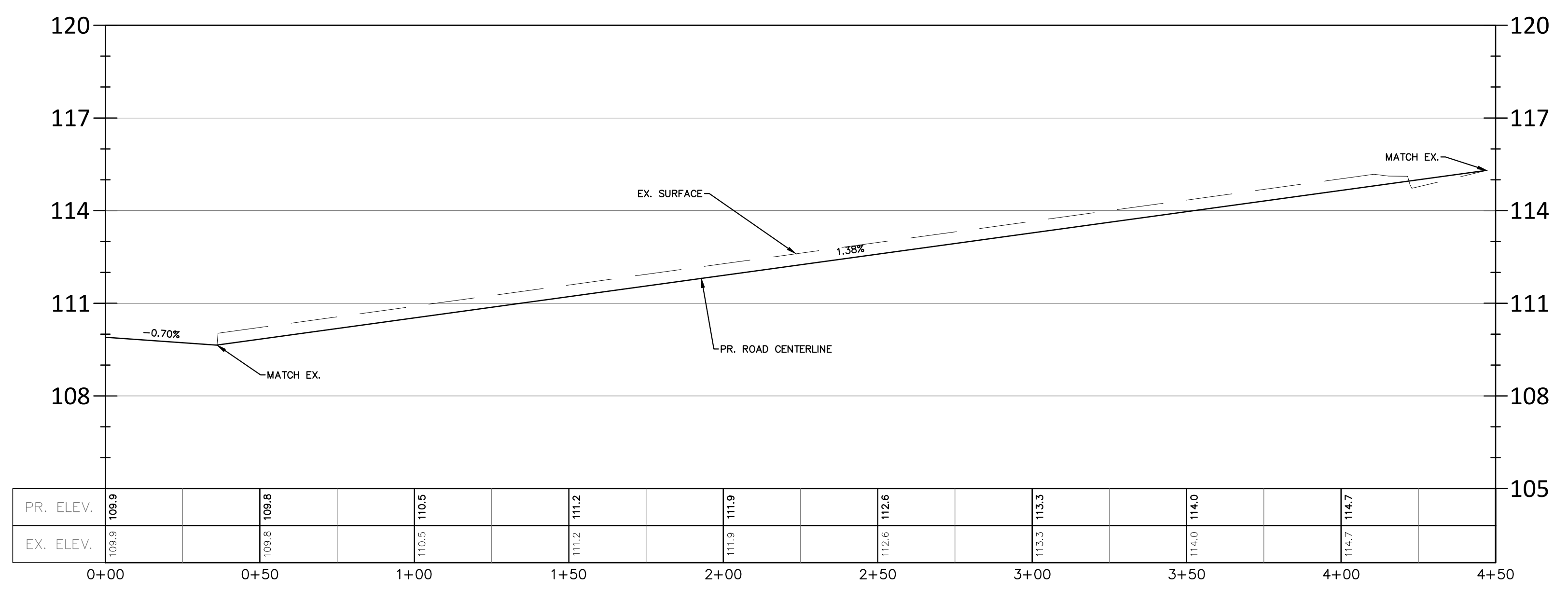
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LEGEND table with symbols for Manhole, Hydrant, Manhole Catch Basin, Utility Pole, Guy Pole, Guy Wire, Gate Valve, Existing Sanitary Sewer, Existing San. Clean Out, Existing Water Main, Existing Storm Sewer, Ex. R. Y. Catch Basin, Existing Buried Cables, Overhead Lines, Light Pole, Sign, Existing Gas Main, Existing Utility to be Removed, Existing Utility to be Abandoned, Indicates Existing Tree to be Removed, Indicates Area of Building to be Removed, Indicates Areas of Pavement, Curb, Etc. to be Removed.

DRAWN BY:
B. Girbach
DESIGNED BY:
B. Girbach
APPROVED BY:
J. Longhurst
DATE:
July 24, 2023
SCALE: 1" = 30'
NFE JOB NO. 1728-05 SHEET NO. C2



16TH STREET EXTENSION - PLAN VIEW
SCALE: 1" = 30'



16TH STREET EXTENSION - PROFILE VIEW
SCALE: H: 1" = 30', V: 1" = 3'

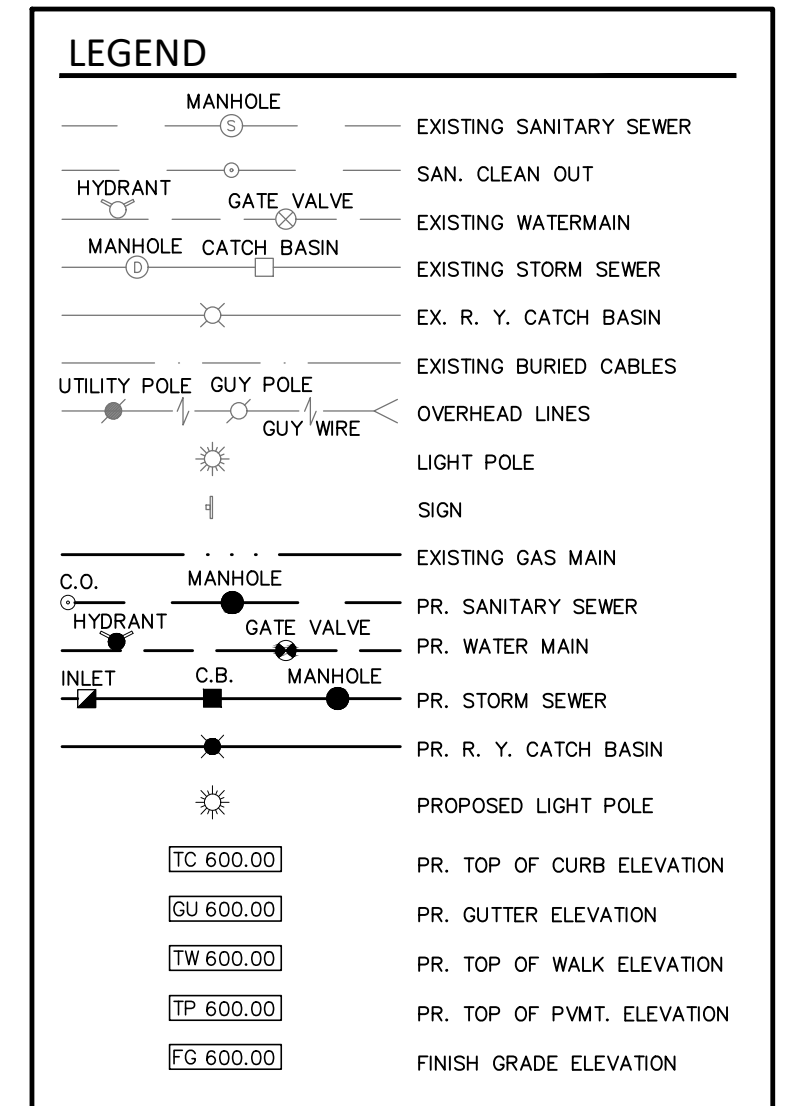
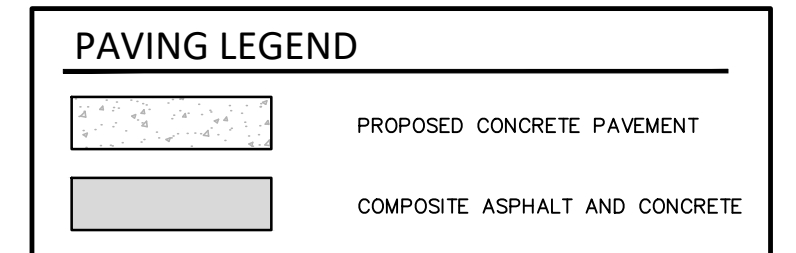
GENERAL PAVING NOTES

PAVEMENT SHALL BE OF THE TYPE, THICKNESS AND CROSS SECTION AS INDICATED ON THE PLANS AND AS FOLLOWS:
CONCRETE: PORTLAND CEMENT TYPE IA (AIR-ENTAINED) WITH A MINIMUM CEMENT CONTENT OF SIX SACKS PER CUBIC YARD, MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,500 PSI AND A SLUMP OF 1 1/2 TO 3 INCHES.
ASPHALT: BASE COURSE - MDOT HMA, 4E ML SURFACE COURSE - MDOT HMA SE ML BOND COAT - MDOT SS-1H EMULSION AT 0.10 GALLON PER SQUARE YARD;
PAVEMENT BASE SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY (MODIFIED PROCTOR) PRIOR TO PLACEMENT OF PROPOSED PAVEMENT. EXISTING SUB-BASE SHALL BE PROOF-ROLLED IN THE PRESENCE OF THE ENGINEER TO DETERMINE STABILITY.
ALL CONCRETE PAVEMENT, DRIVEWAYS, CURB & GUTTER, ETC., SHALL BE SPRAY CURED WITH WHITE MEMBRANE CURING COMPOUND IMMEDIATELY FOLLOWING FINISHING OPERATION.
ALL CONCRETE PAVEMENT JOINTS SHALL BE FILLED WITH HOT Poured RUBBERIZED ASPHALT JOINT SEALING COMPOUND IMMEDIATELY AFTER SAWCUT OPERATION. FEDERAL SPECIFICATION SS-S164.
ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS AND SPECIFICATIONS OF THE MUNICIPALITY AND THE MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, CURRENT EDITION.
ALL TOP OF CURB ELEVATIONS, AS SHOWN ON THE PLANS, ARE CALCULATED FOR A 6" CONCRETE CURB UNLESS OTHERWISE NOTED.
ALL SIDEWALK RAMPS, CONFORMING TO PUBLIC ACT NO. 8, 1993, SHALL BE INSTALLED AS INDICATED ON THE PLANS.
CONSTRUCTION OF A NEW OR RECONSTRUCTED DRIVE APPROACH CONNECTING TO AN EXISTING STATE OR COUNTY ROADWAY SHALL BE ALLOWED ONLY AFTER AN APPROVED PERMIT HAS BEEN SECURED FROM THE AGENCY HAVING JURISDICTION OVER SAID ROADWAY.
FOR ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL PAY FOR AND SECURE ALL NECESSARY PERMITS AND LIKewise ARRANGE FOR ALL INSPECTION.

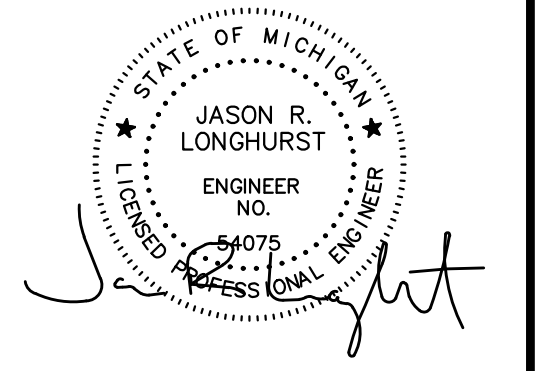
EXISTING TOPSOIL, VEGETATION AND ORGANIC MATERIALS SHALL BE STRIPPED AND REMOVED FROM PROPOSED PAVEMENT AREA PRIOR TO PLACEMENT OF BASE MATERIALS.
EXPANSION JOINTS SHOULD BE INSTALLED AT THE END OF ALL INTERSECTION RADI.
SIDEWALK RAMPS, CONFORMING TO PUBLIC ACT NO. 8, 1973, SHALL BE INSTALLED AS SHOWN AT ALL STREET INTERSECTIONS AND AT ALL BARRIER FREE PARKING AREAS AS INDICATED ON THE PLANS.
ALL PAVEMENT AREAS SHALL BE PROOF-ROLLED UNDER THE SUPERVISION OF A GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF BASE MATERIALS AND PAVING MATERIALS.
FILL AREAS SHALL BE MACHINE COMPACTED IN UNIFORM LIFTS NOT EXCEEDING 9 INCHES THICK TO 98% OF THE MAXIMUM DENSITY (MODIFIED PROCTOR) PRIOR TO PLACEMENT OF PROPOSED PAVEMENT.

ESTIMATED QUANTITIES - THIS SHEET PAVING

DESCRIPTION	QUANTITY	UNITS
4" CONCRETE SIDEWALK	8,530	S.F.
6" CONCRETE SIDEWALK RAMP	325	S.F.
9" NON-REINFORCED CONCRETE WITH INTEGRAL CURB	1,360	S.Y.
9" NON-REINFORCED CONCRETE	310	S.Y.
3.5" ASPHALT ON 10" CONCRETE	280	S.Y.
6" CONCRETE CURB AND GUTTER	390	L.F.



SEAL



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Email:
kcarter@qambassadorebridge.com

PROJECT LOCATION
Part of Private Claim No. 44
City of Detroit
Wayne County, Michigan

SHEET
Engineering Plan - 16th
Street Extension



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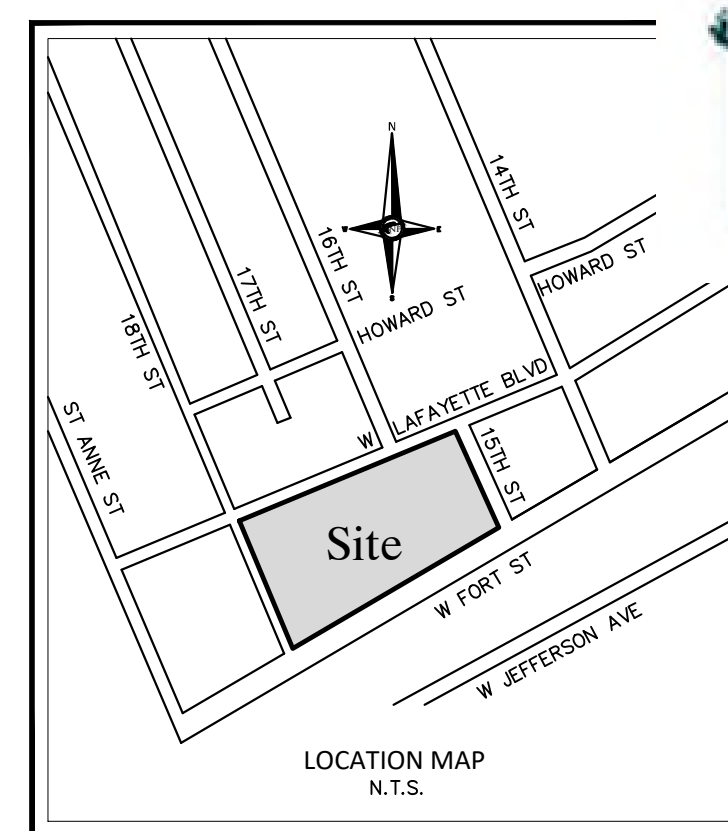
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J. Longhurst
DATE:
July 24, 2023
SCALE: 1" = 30' / 1" = 3'
NFE JOB NO. SHEET NO.
1728-05 C3

Date: 4/17/2024

Permit Number: ENG-24-69 ENGINEERS

CIVIL ENGINEERS LAND SURVEYORS LAND PLANNERS

NOWAK & FRAUS ENGINEERS 46777 WOODWARD AVE. PONTIAC, MI 48342-5032 TEL. (248) 332-7931 FAX. (248) 332-8257 WWW.NOWAKFRAUS.COM



SOIL EROSION CONTROL

CUTTING, FILLING AND GRADING SHALL BE MINIMIZED AND THE NATURAL TOPOGRAPHY OF THE SITE SHALL BE PRESERVED TO THE MAXIMUM POSSIBLE EXTENT...

DEVELOPMENT SHALL BE STAGED TO KEEP THE EXPOSED AREAS OF SOIL AS SMALL AS PRACTICABLE.

SOIL EROSION CONTROL MEASURES SHALL BE INSTALLED BEFORE THE DISTURBED AREA AND ANY WATERCOURSES...

SEDIMENT RESULTING FROM ACCELERATED SOIL EROSION SHALL BE REMOVED FROM RUNOFF WATER BEFORE THAT WATER LEAVES THE SITE.

TEMPORARY AND PERMANENT SOIL EROSION CONTROL MEASURES DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF WATER AROUND, THROUGH, OR AWAY FROM THE SITE...

TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE REMOVED AFTER PERMANENT SOIL EROSION CONTROL MEASURES HAVE BEEN IMPLEMENTED...

IF LAKES, PONDS, CREEKS, STREAMS, OR WETLANDS ARE LOCATED ON OR NEAR THE SITE, EROSION CONTROL MEASURES WHICH DIVERT RUNOFF AND TRAP SEDIMENT MUST BE PROVIDED AT STRATEGIC LOCATIONS...

WHEN IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA AFTER AN EARTH CHANGE HAS BEEN COMPLETED OR WHEN SIGNIFICANT EARTH CHANGE ACTIVITY CEASES...

PERMANENT EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN 15 (FIFTEEN) CALENDAR DAYS AFTER FINAL GRADING OR THE FINAL EARTH CHANGE HAS BEEN COMPLETED...

VEGETATED BUFFER STRIPS SHALL BE CREATED OR RETAINED ALONG THE EDGES OF ALL LAKES, PONDS, CREEKS, STREAMS, OTHER WATERCOURSES, OR WETLANDS.

EROSION AND SEDIMENTATION CONTROL MEASURES SHALL RECEIVE REGULAR MAINTENANCE TO ASSURE PROPER FUNCTIONING.

ALL GRADING PLANS AND SPECIFICATIONS, INCLUDING EXTENSIONS OF PREVIOUSLY APPROVED PLANS, SHALL INCLUDE PROVISIONS FOR EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH...

NOTES

A DISTANCE OF 0.22 MILES TO THE NEAREST BODY OF WATER THE DETROIT RIVER.

THE TOTAL AREA OF EARTH DISRUPTION IS 5.51 ACRES.

THE SOIL EROSION CONTROLS WILL BE MAINTAINED WEEKLY AND AFTER EVERY STORM EVENT BY THE CONTRACTOR.

A SOIL EROSION PERMIT IS REQUIRED FROM THE CITY OF DETROIT.

SOIL DATA

THIS SITE CONSISTS OF Ur10/B - URBAN LAND-RIVERFRONT COMPLEX, DENSE SUBSTRATUM, 0 TO 4 PERCENT SLOPES - 78% OF SITE.

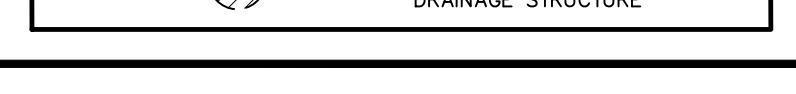
Ur10/B - URBAN LAND-FORTRESS FAMILY COMPLEX, DENSE SUBSTRATUM, 0 TO 4 PERCENT SLOPES - 22% OF SITE.

BASED ON DATA PROVIDED BY THE UNITED STATES DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE.

ESTIMATED QUANTITIES

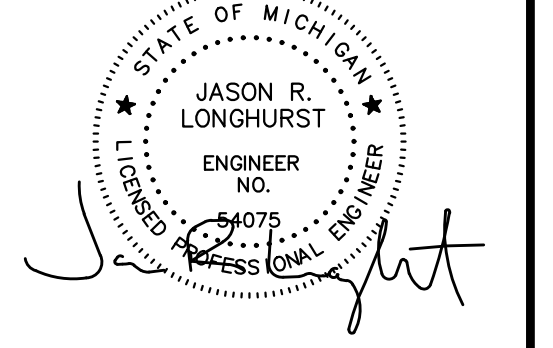
Table with 3 columns: SOIL EROSION, DESCRIPTION, QUANTITY, UNITS. Rows include SILT FABRIC FENCING (1,810 L.F.) and SILT SACK (7 EA.).

LEGEND



CONSTRUCTION SEQUENCE / TIMING SCHEDULE table with 2 columns: Activity and Date. Activities include installing perimeter filter fabric, demolishing existing building, fill in sedimentation traps, complete paving, and remove temporary soil erosion measures.

SEAL



PROJECT 16th Street Extension

CLIENT Detroit International Bridge Co. 12225 Stephens Road Warren, Michigan 48089 Contact: Mr. Ken Carter Phone: (313) 363-2868 Email: kcarter@qambassadorebridge.com

PROJECT LOCATION Part of Private Claim No. 44 City of Detroit Wayne County, Michigan

SHEET Soil Erosion and Sedimentation Control Plan



Know what's below Call before you dig.

Table with 2 columns: DATE, ISSUED/REVISED. Rows show dates from 2023-08-08 to 2024-03-20.

DRAWN BY: B. Girbach DESIGNED BY: T. Wood APPROVED BY: J. Longhurst DATE: July 24, 2023

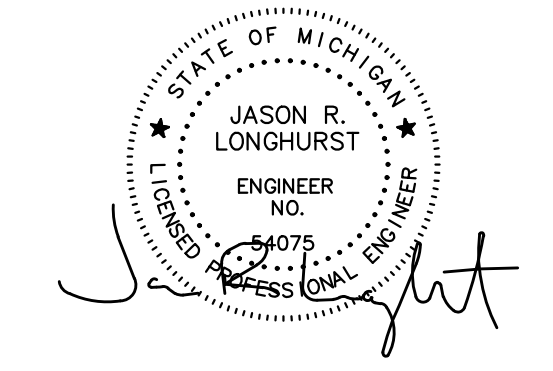
SCALE: 1" = 30' SHEET NO. C4

Permit Number: ENG-24-69
ENGINEERS

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SHEET
 Notes and Details

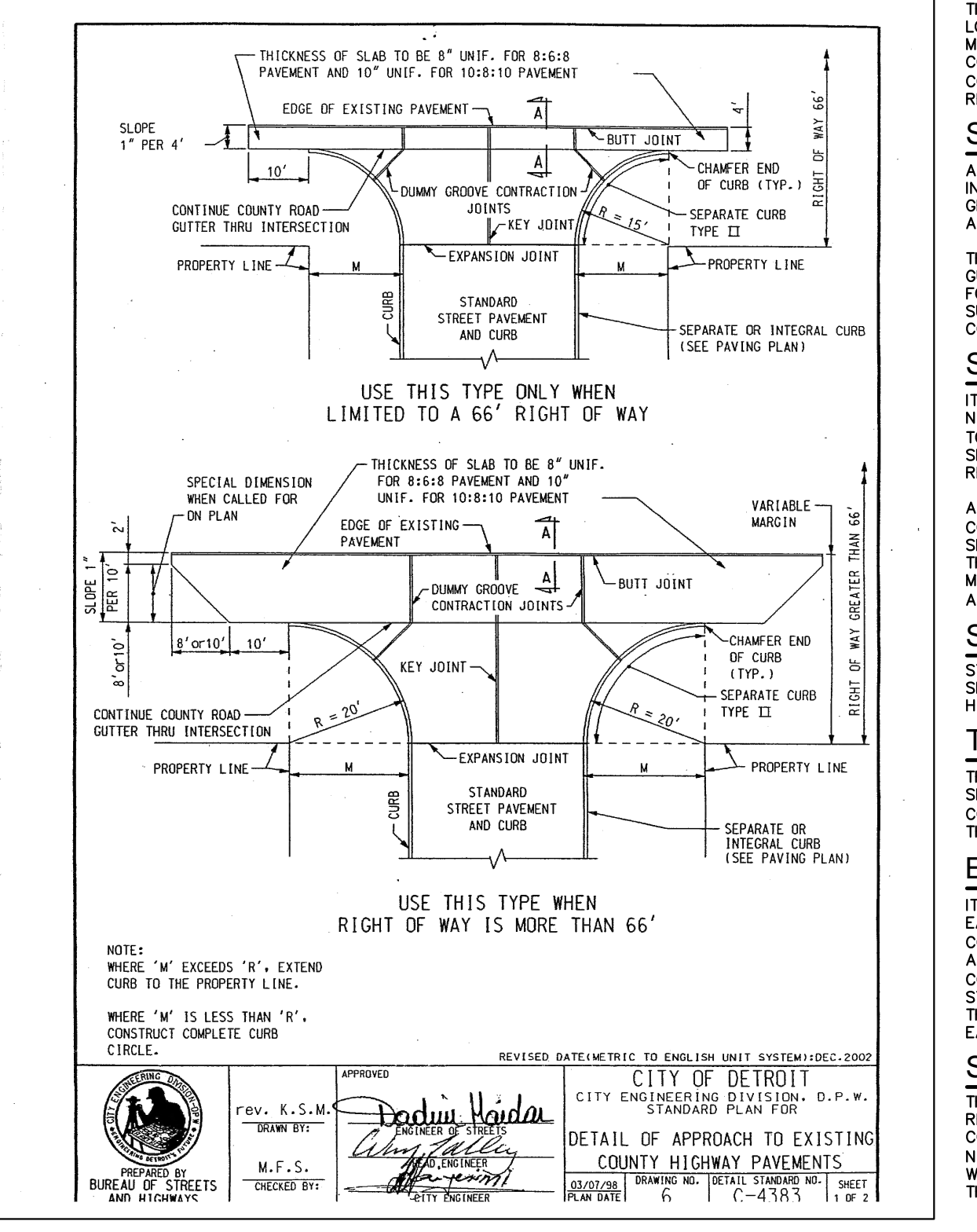
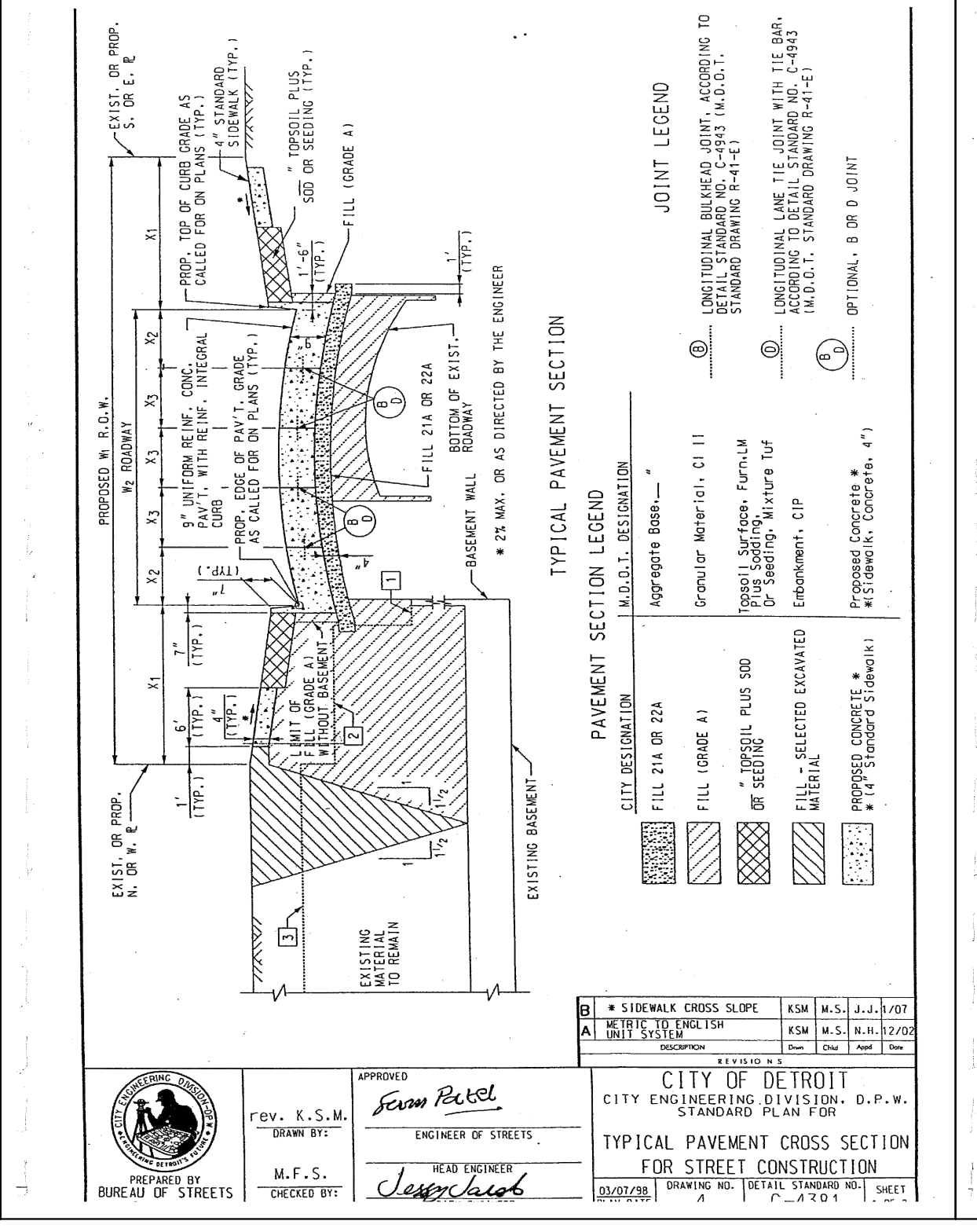
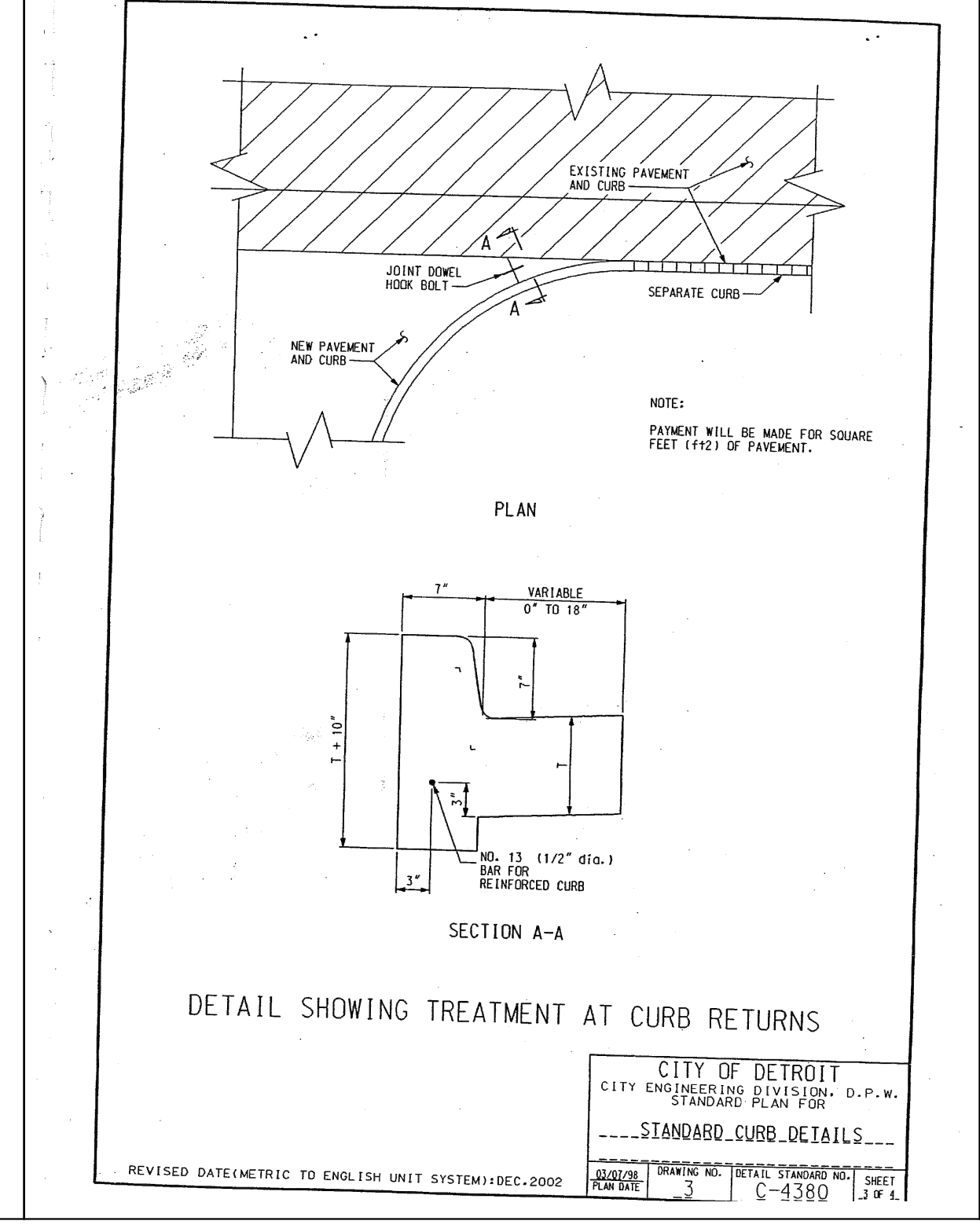
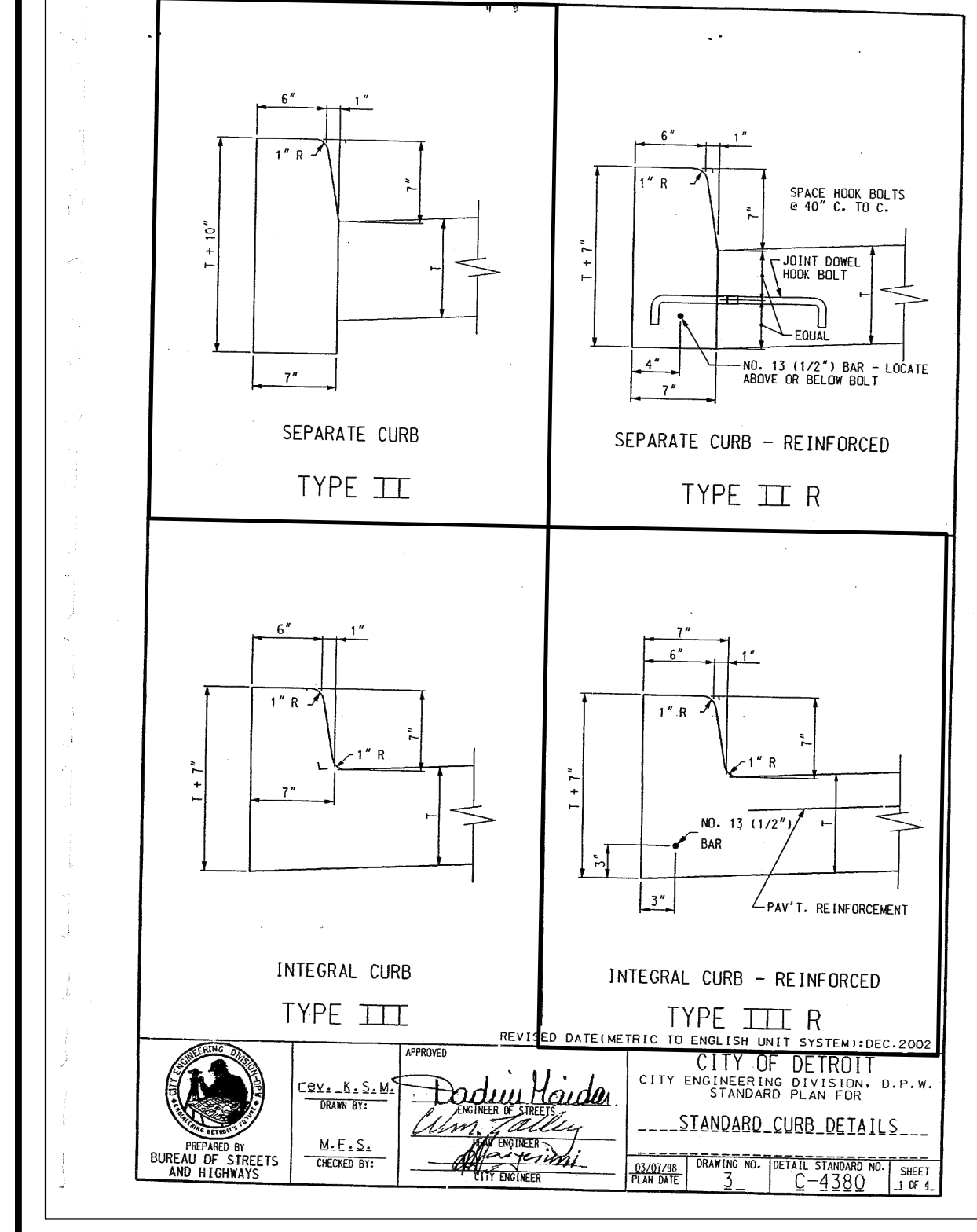
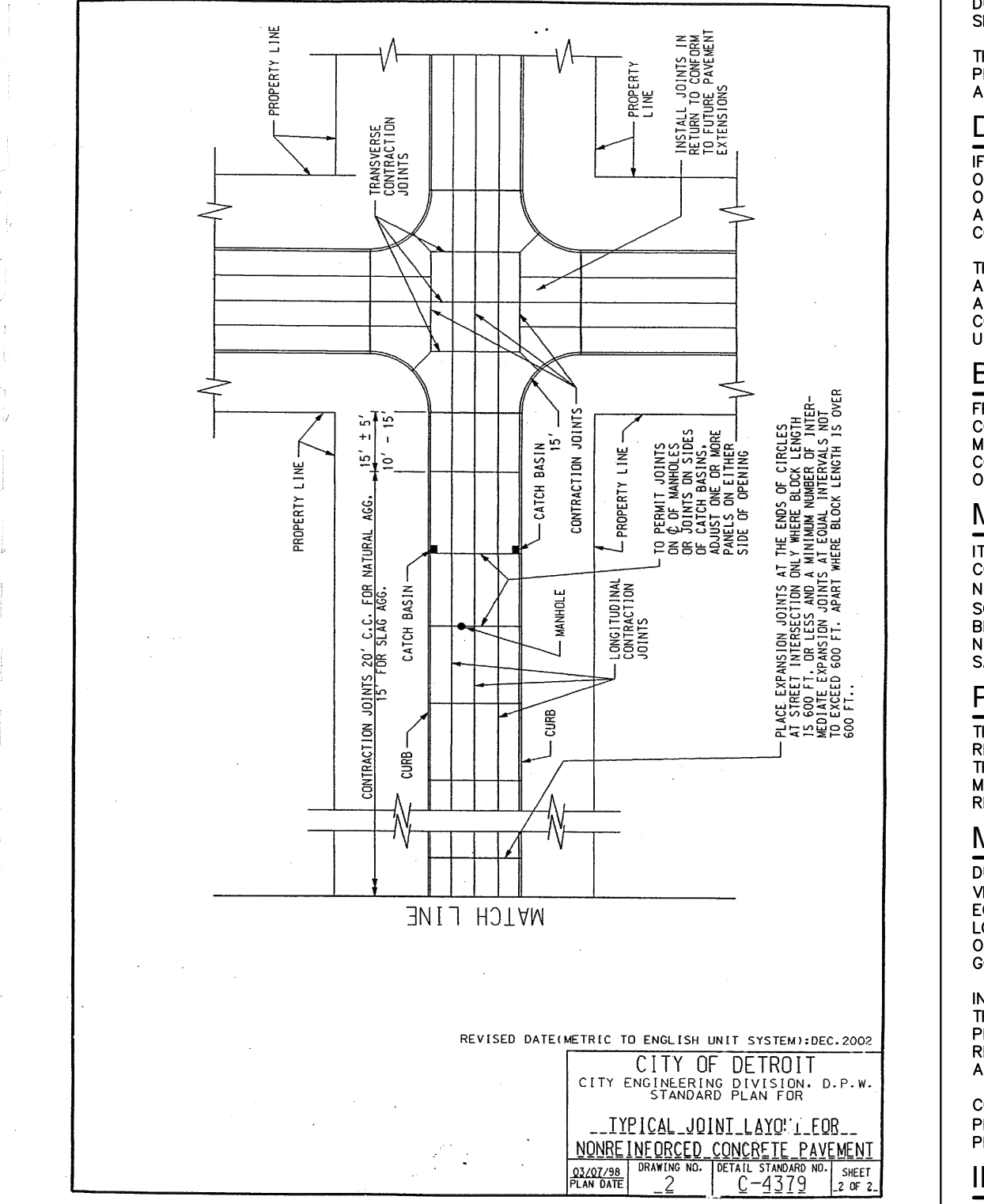
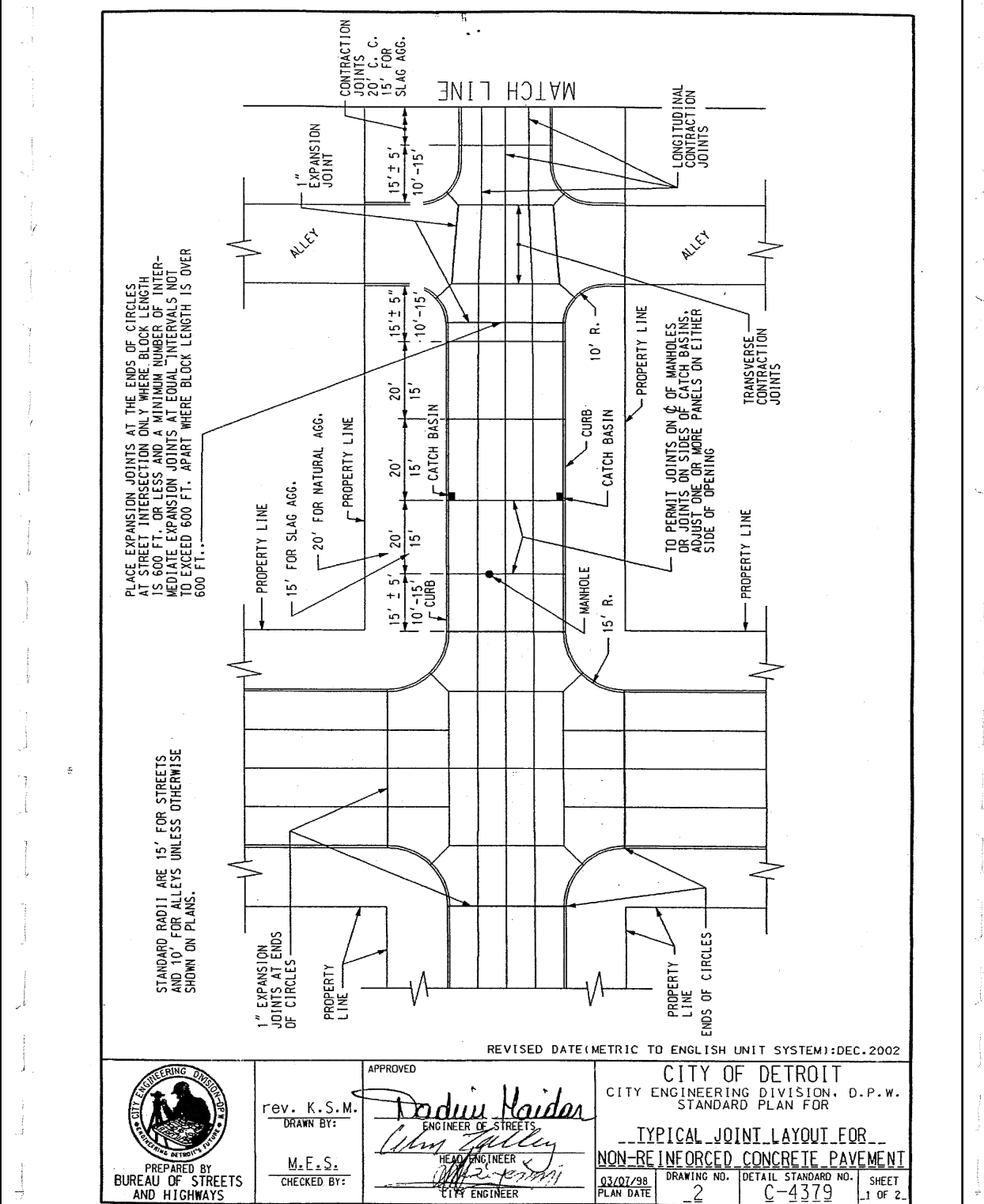
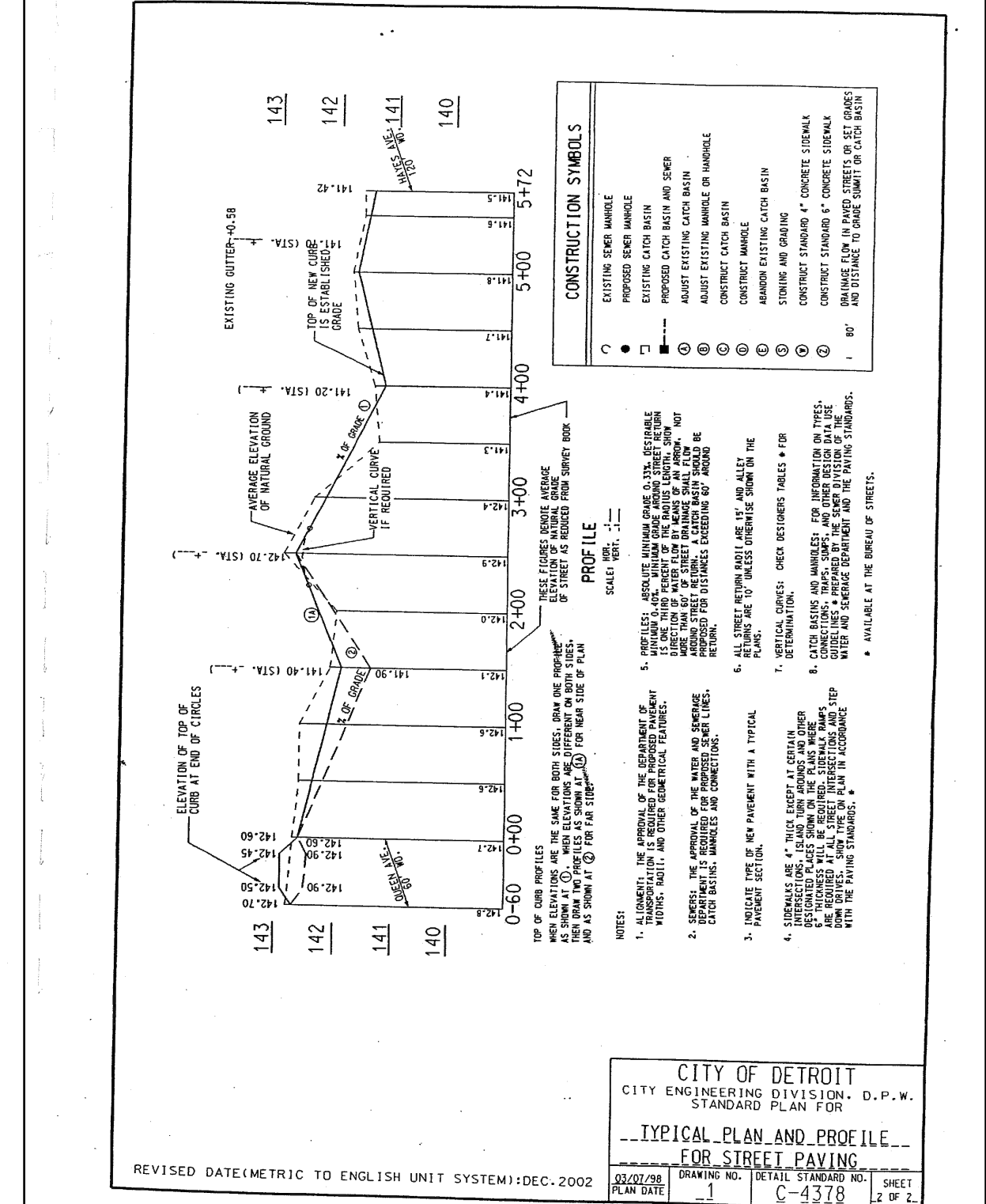
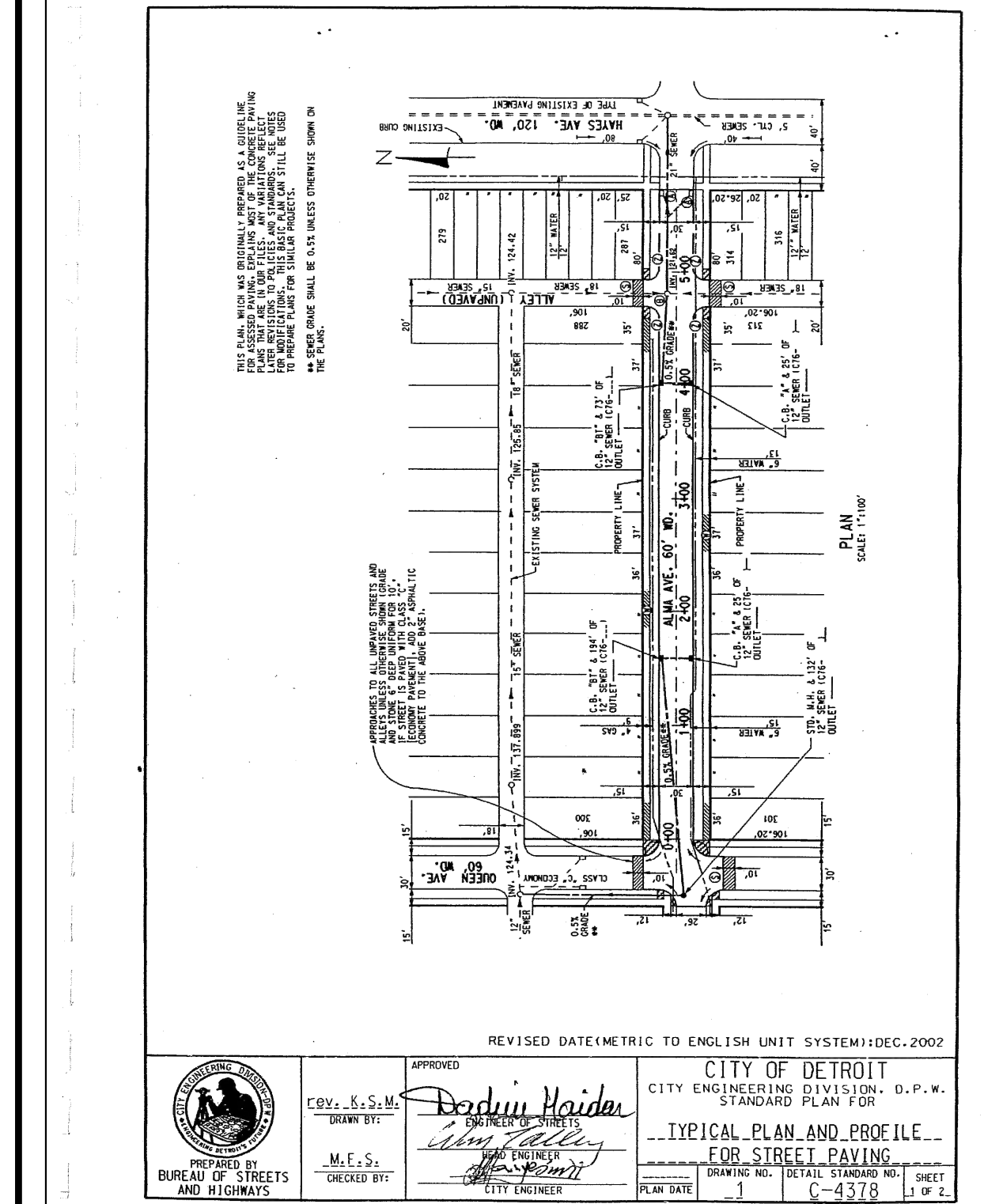
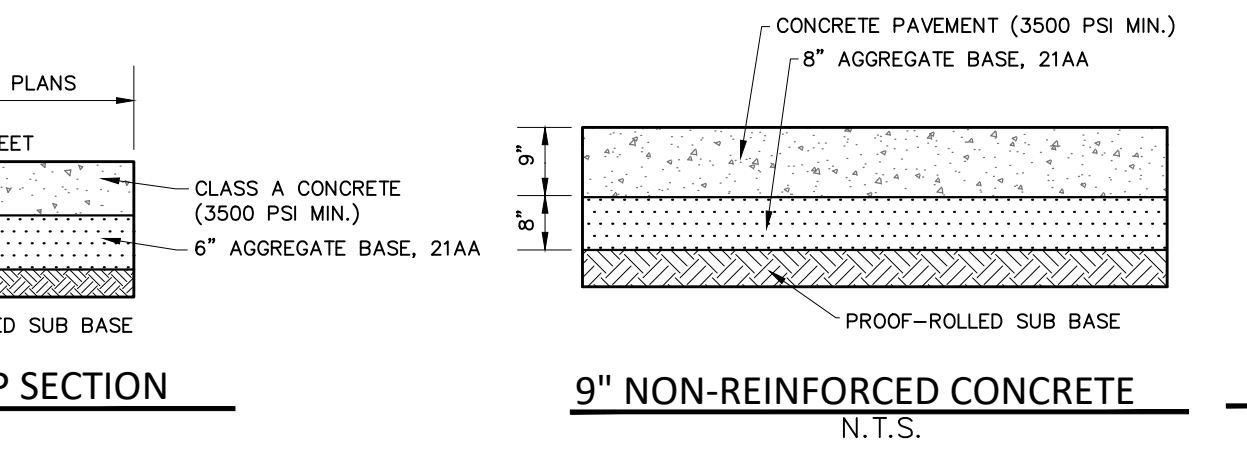
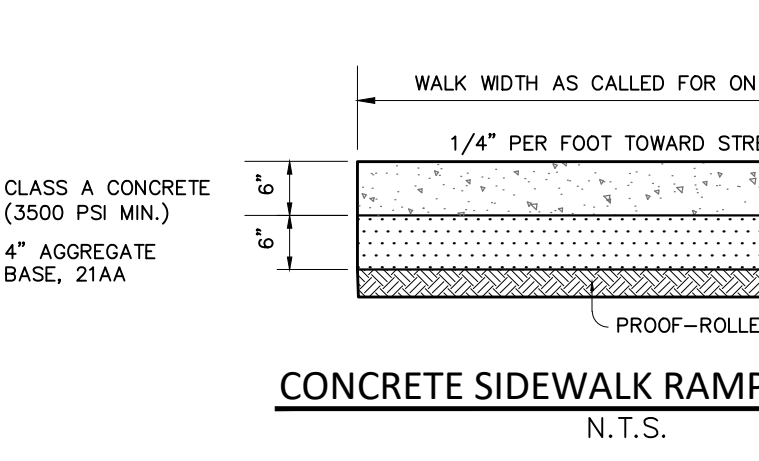
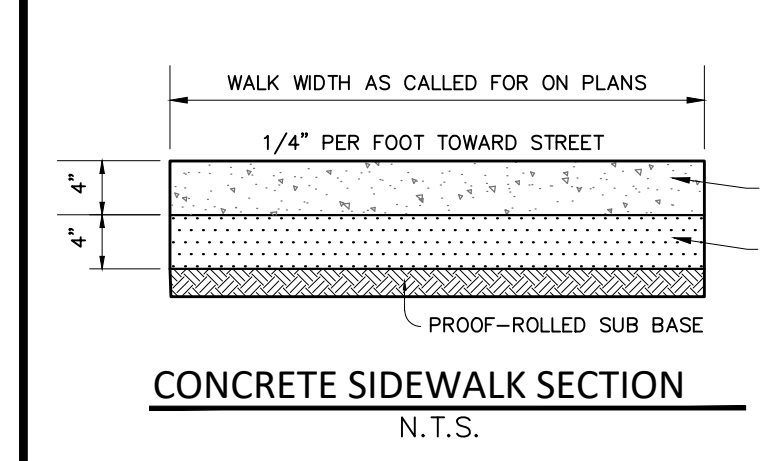
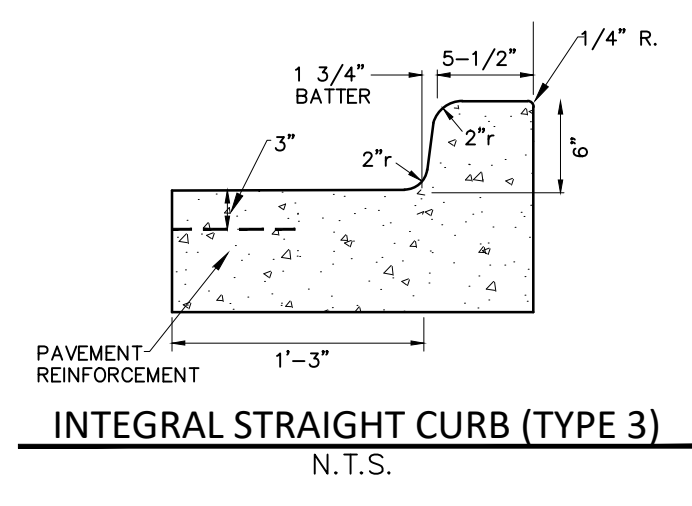
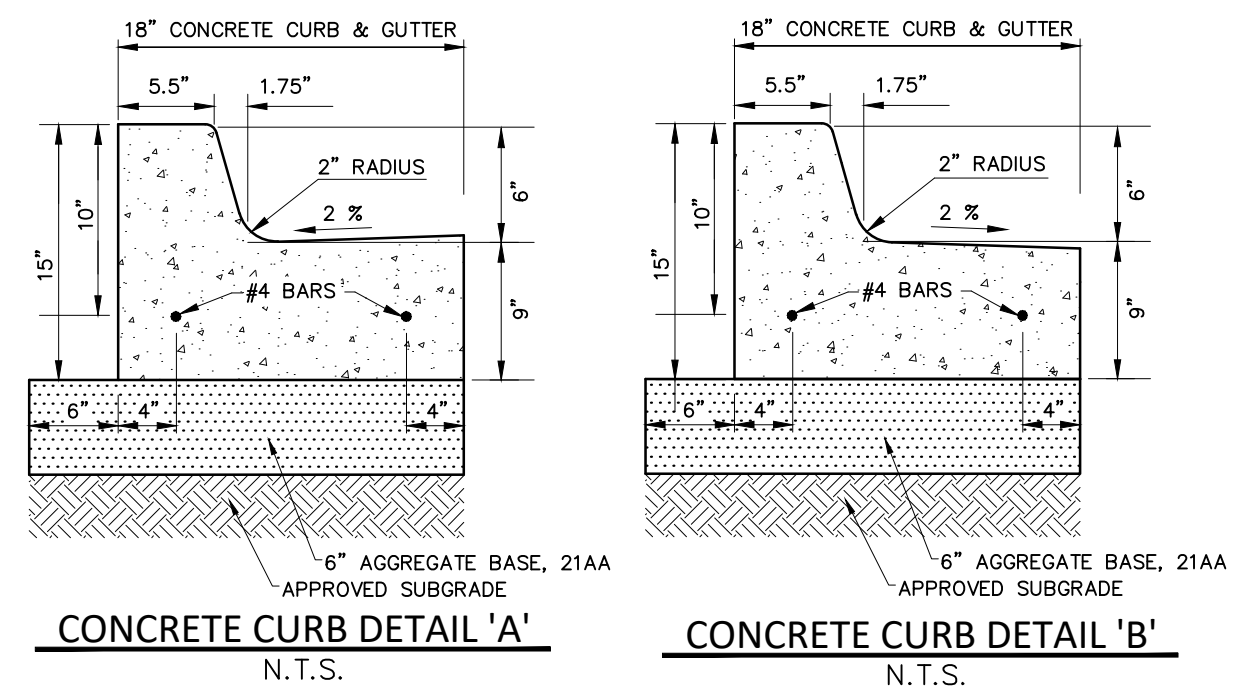
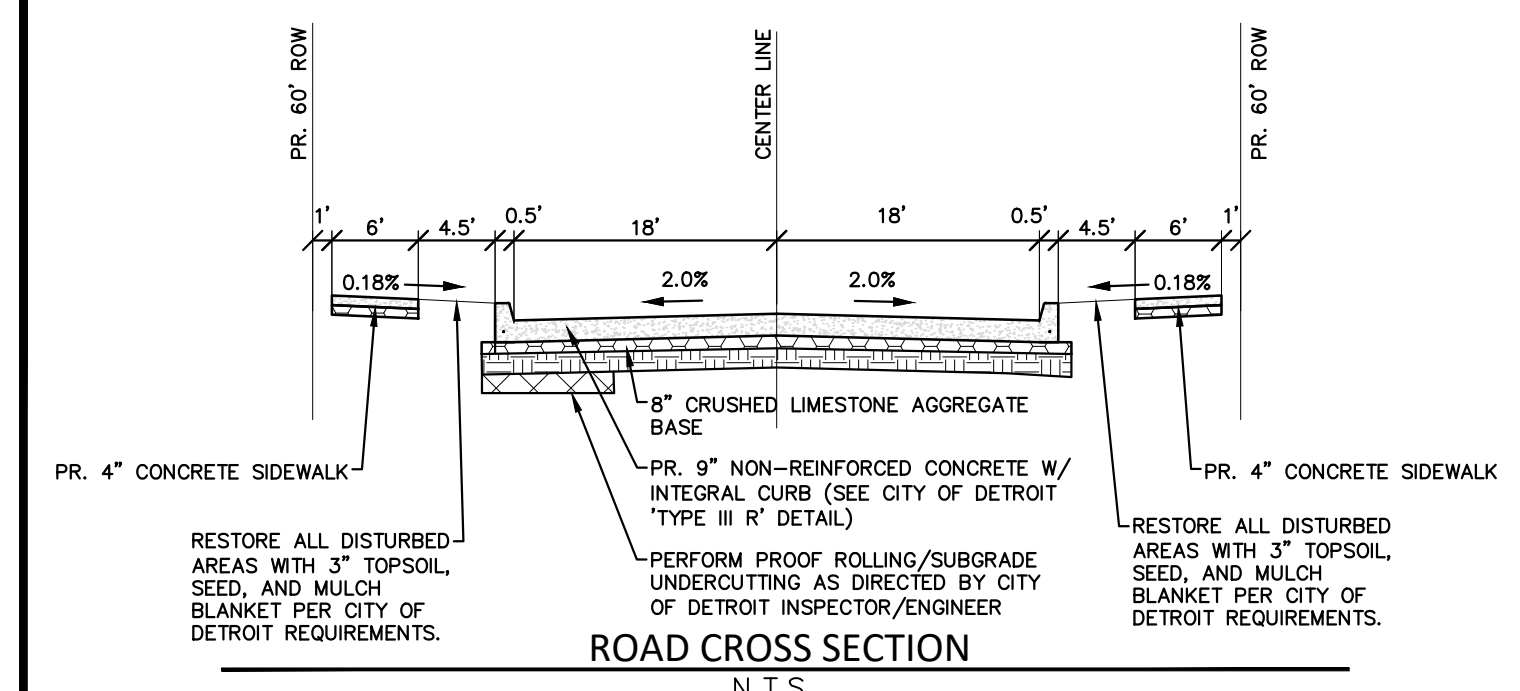


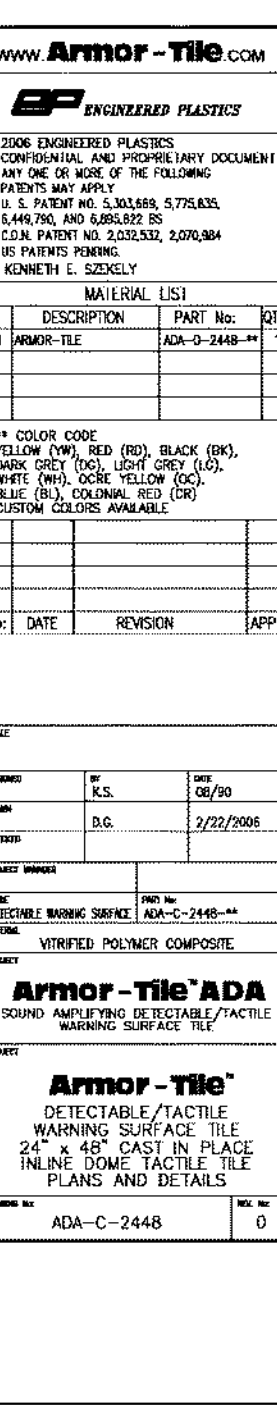
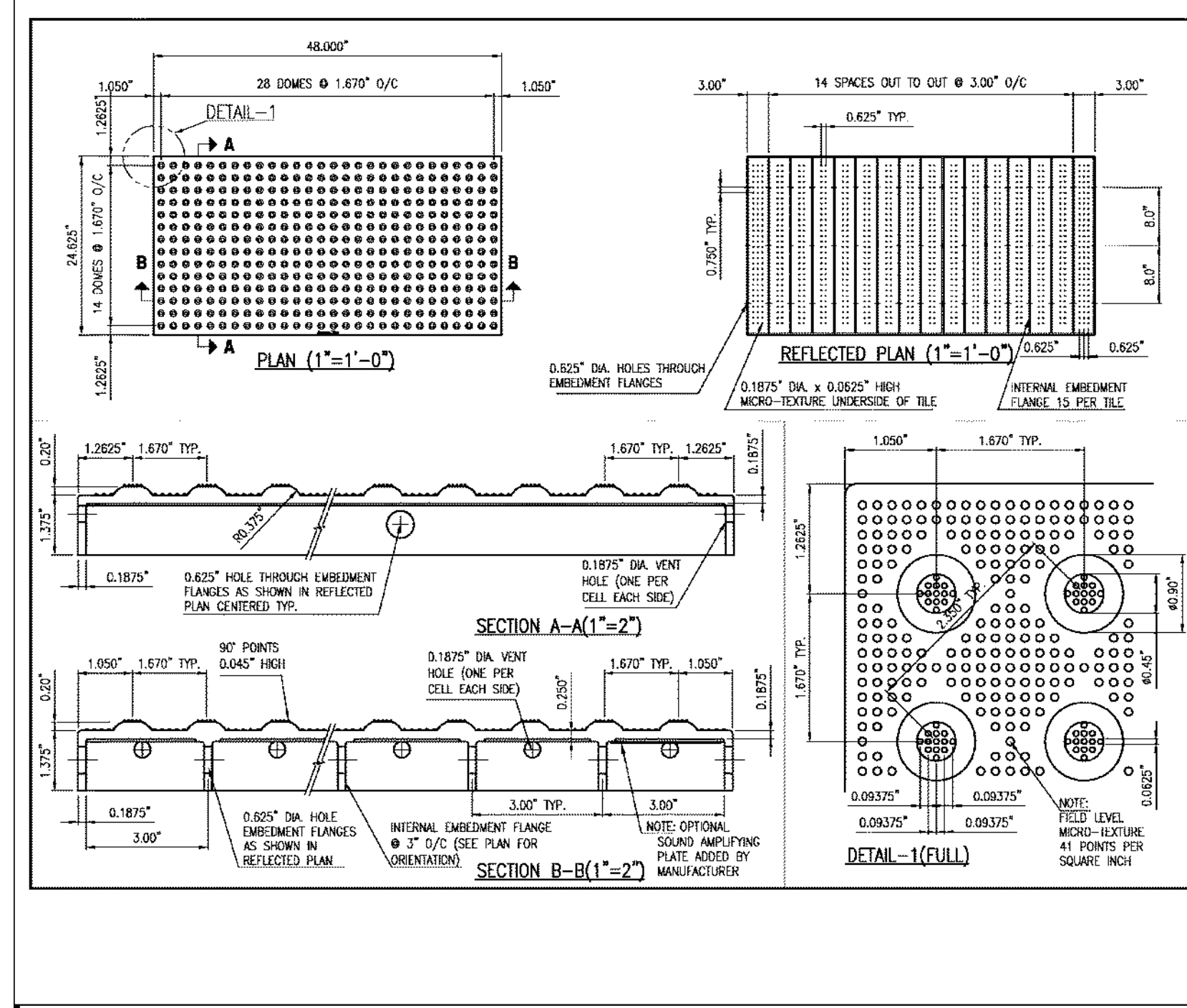
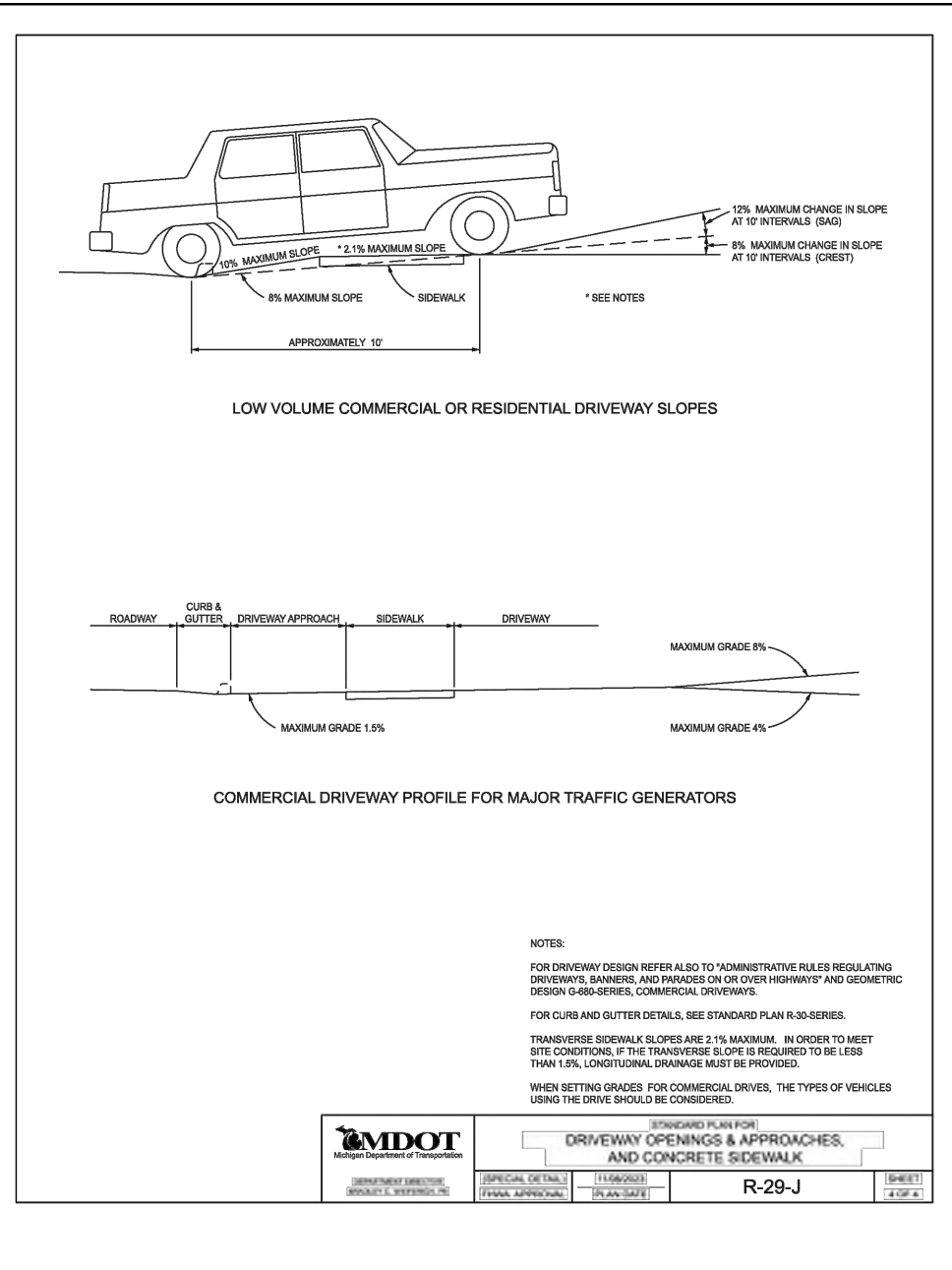
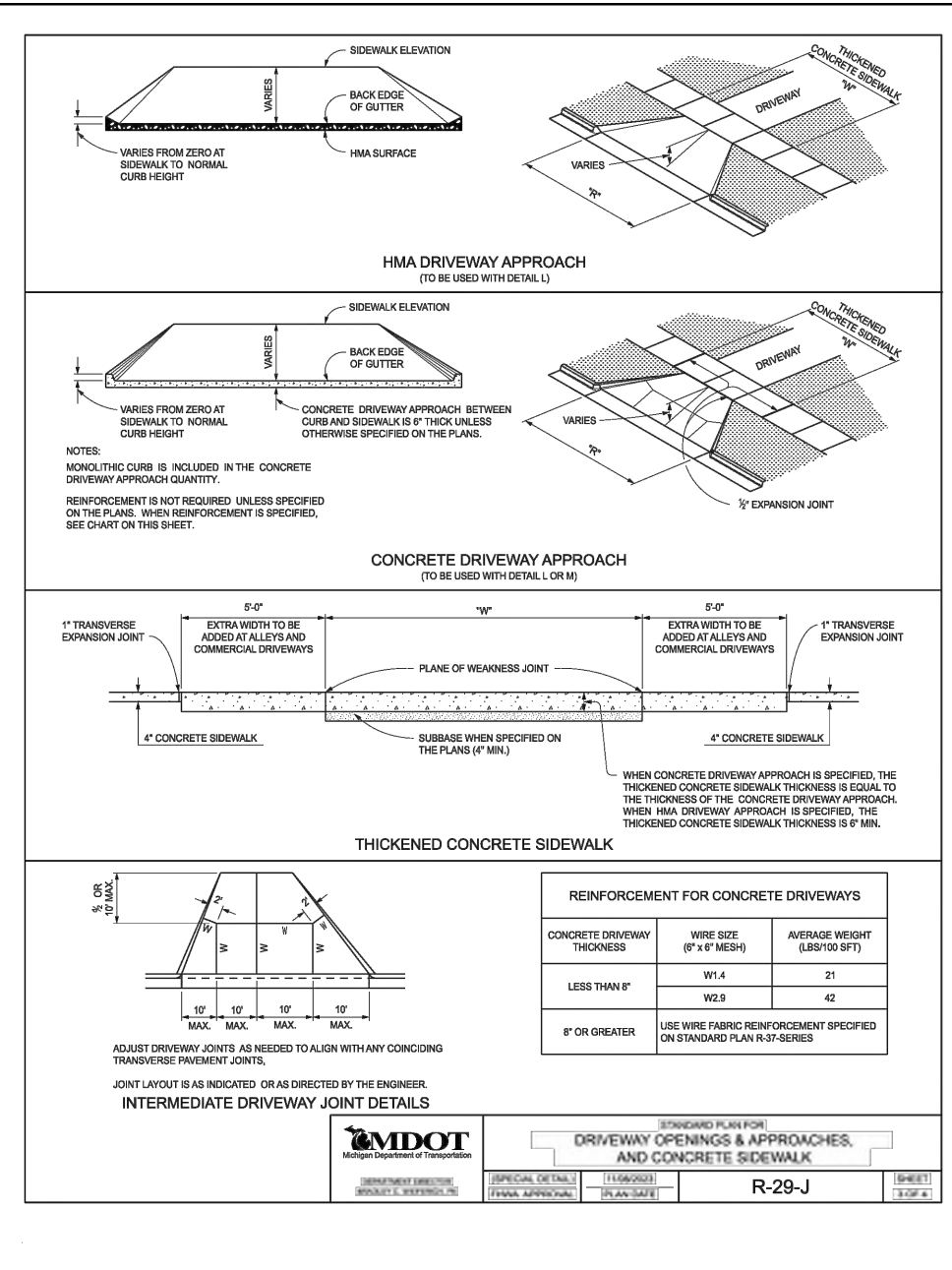
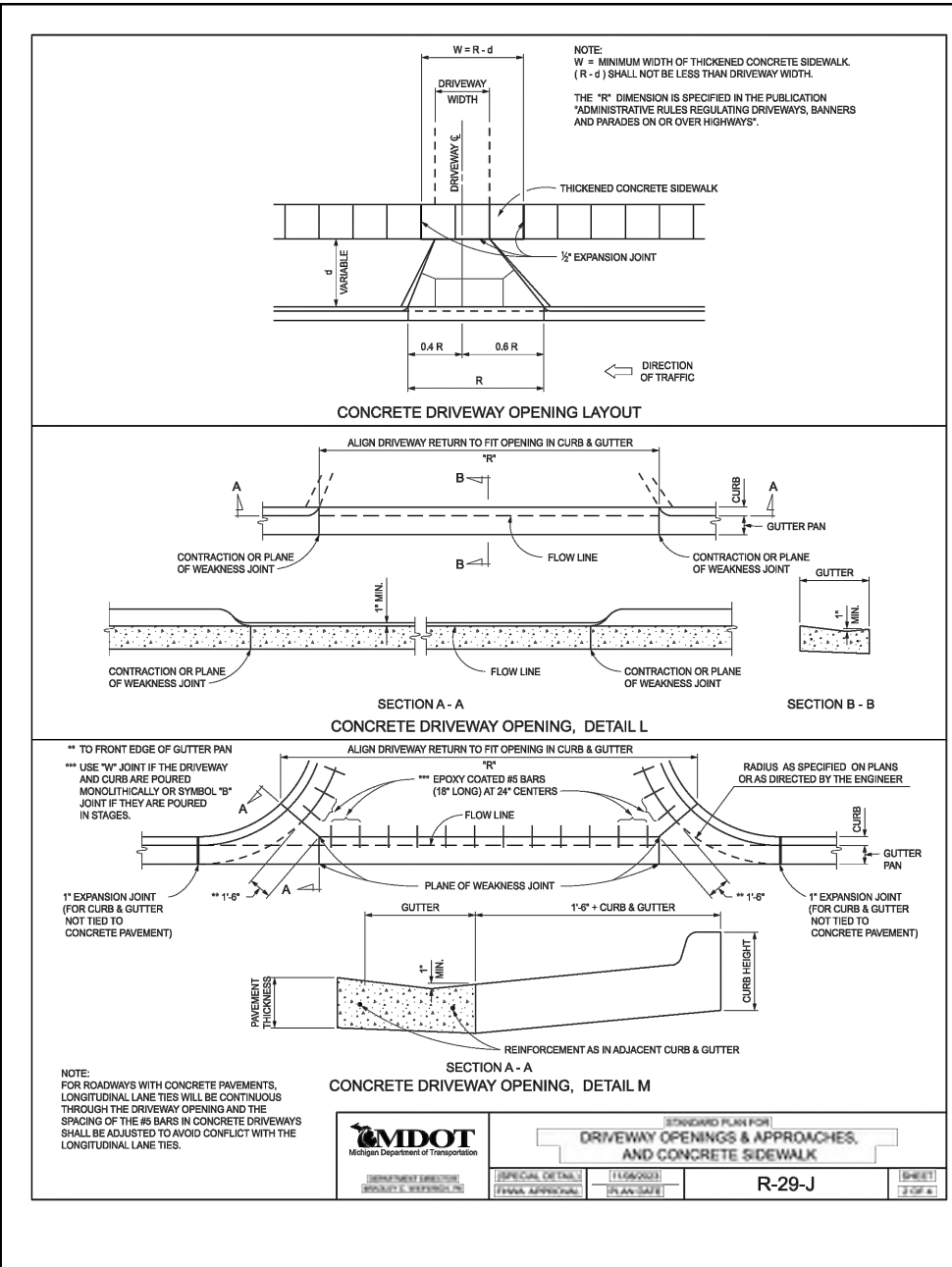
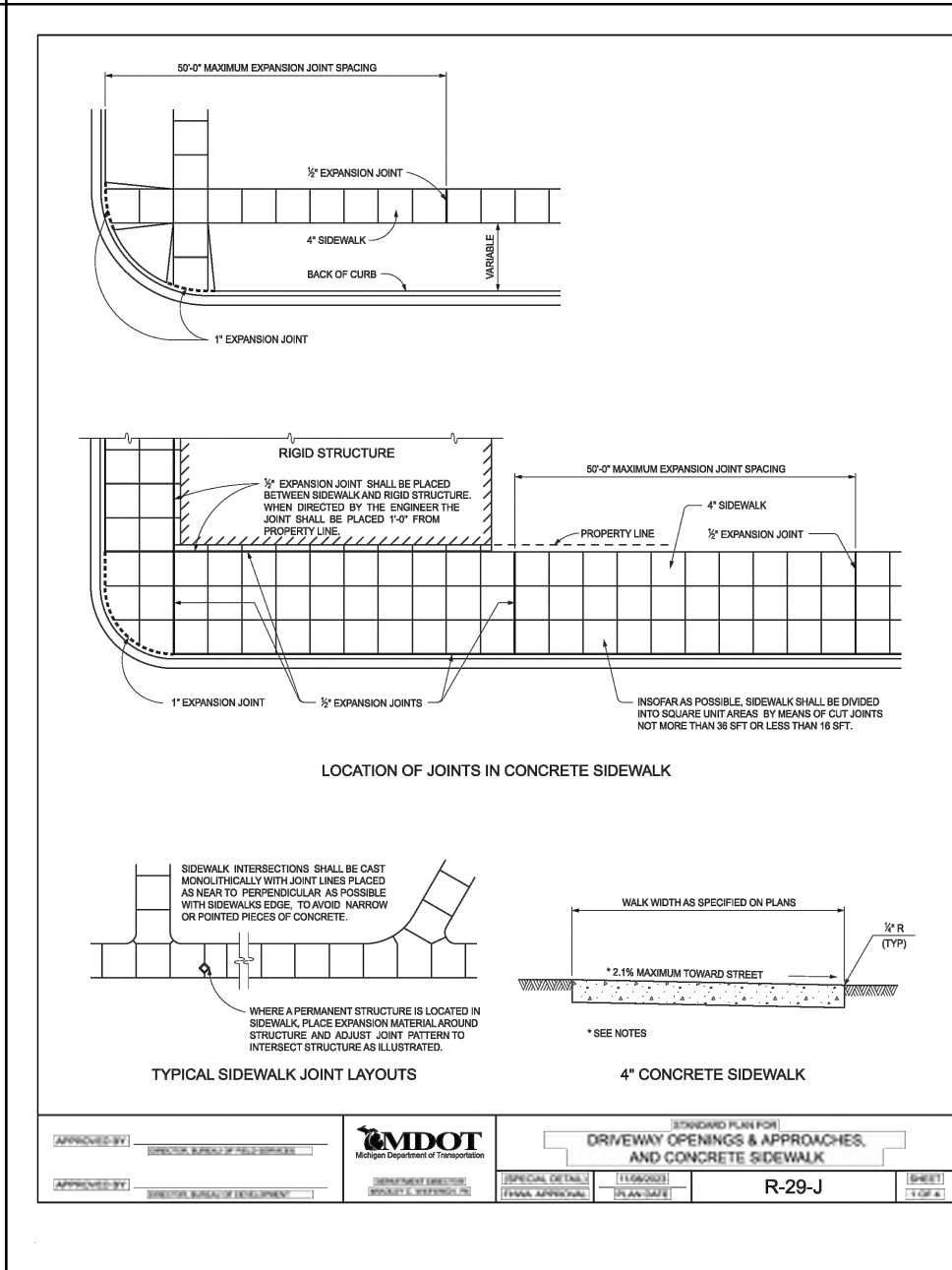
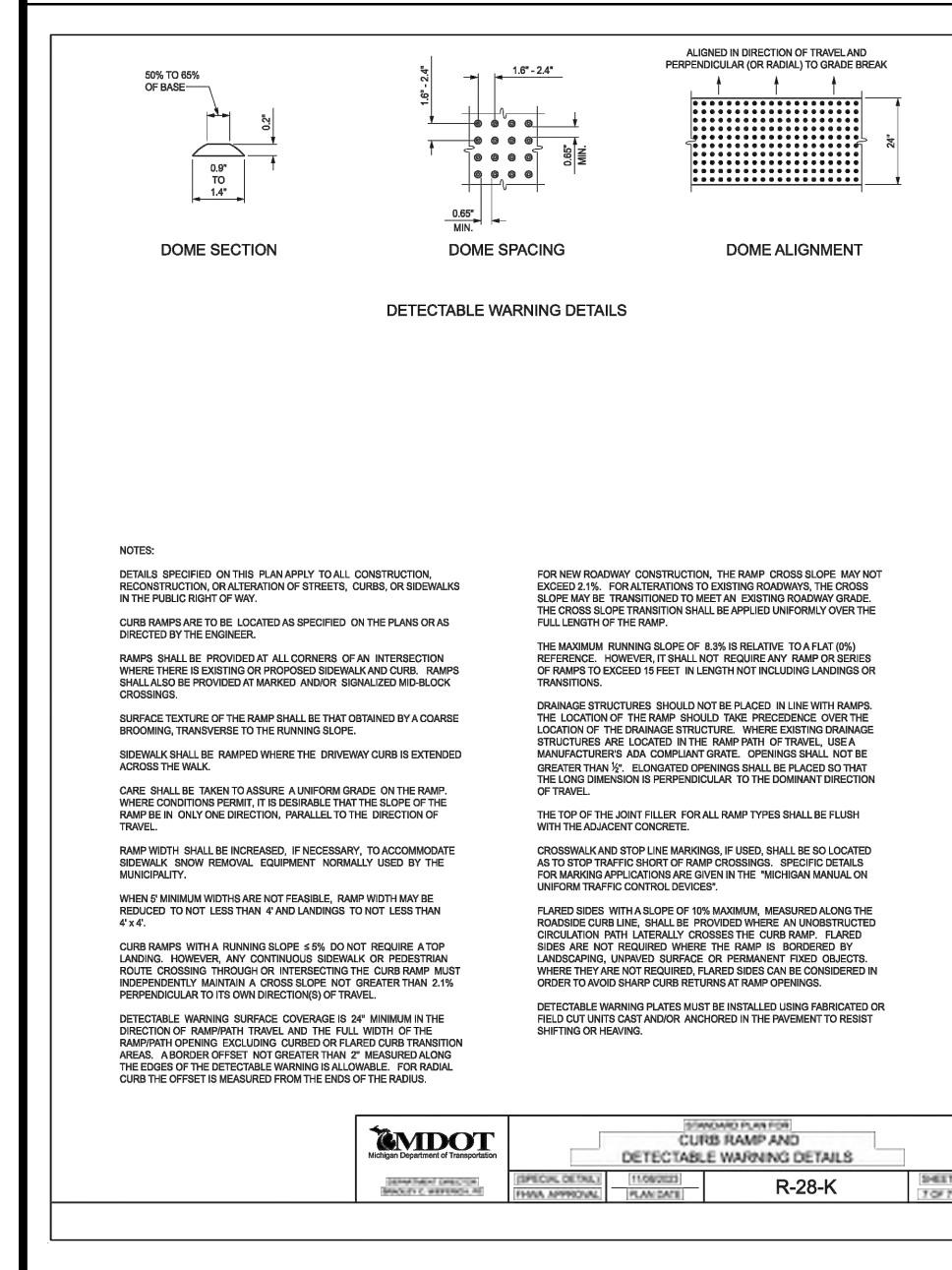
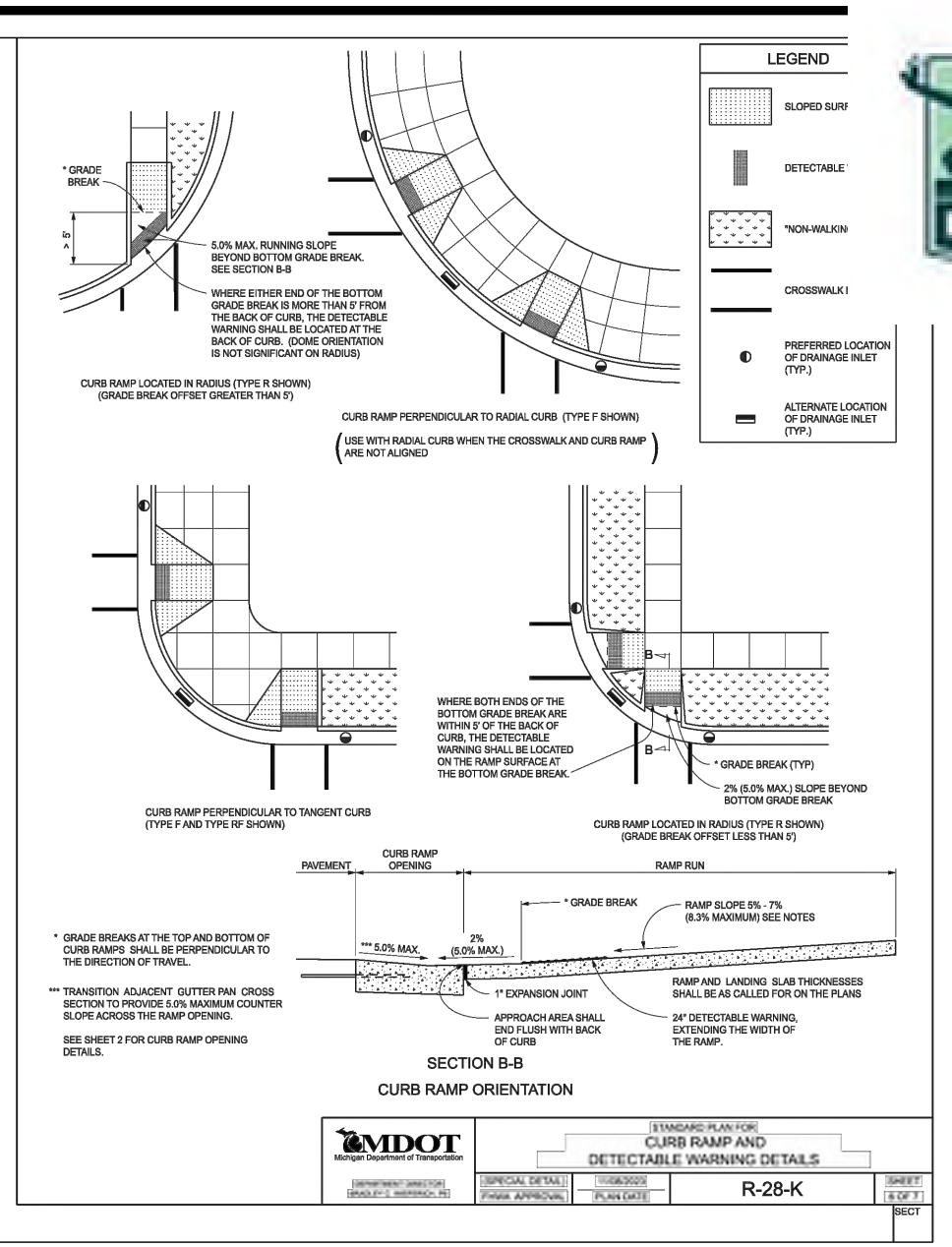
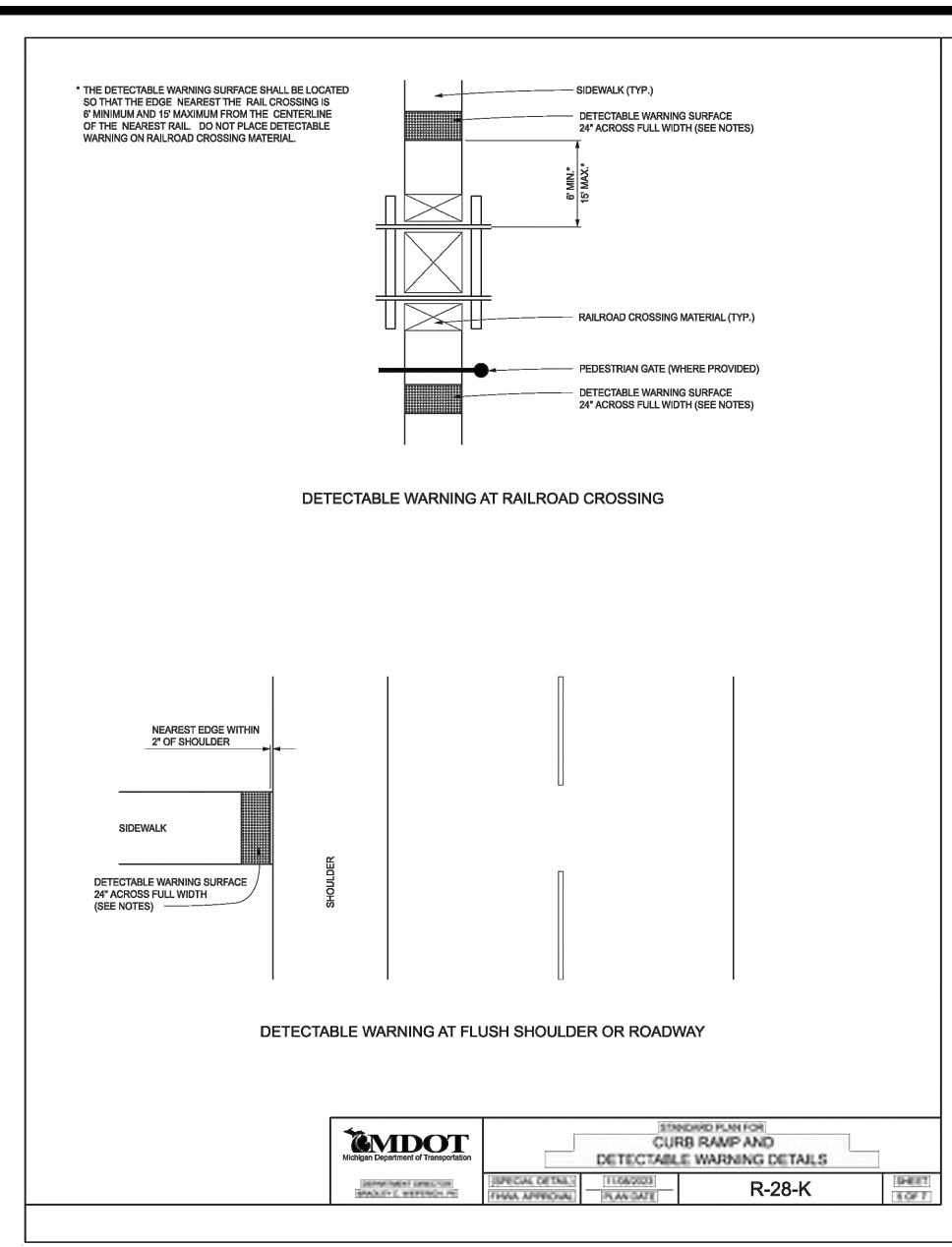
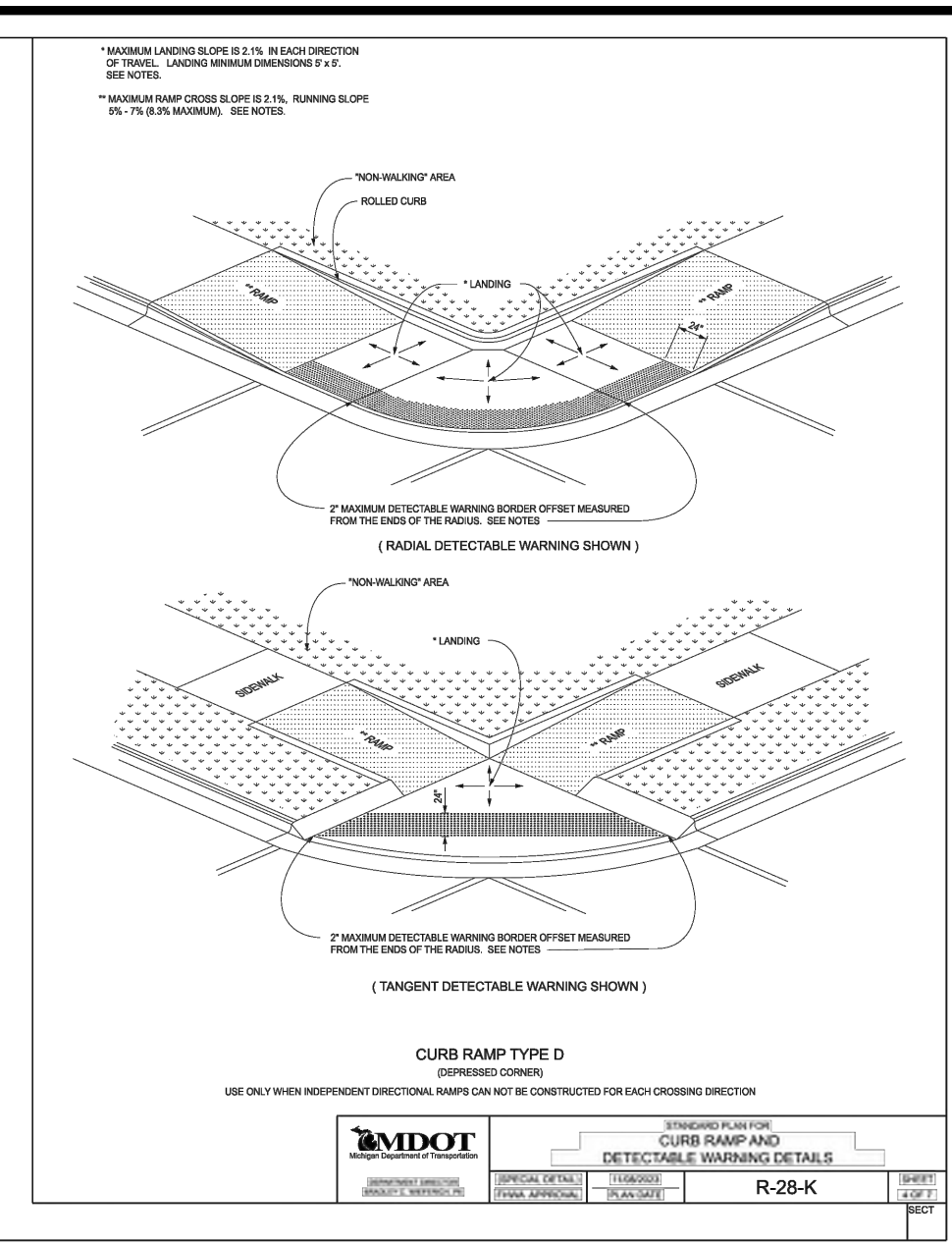
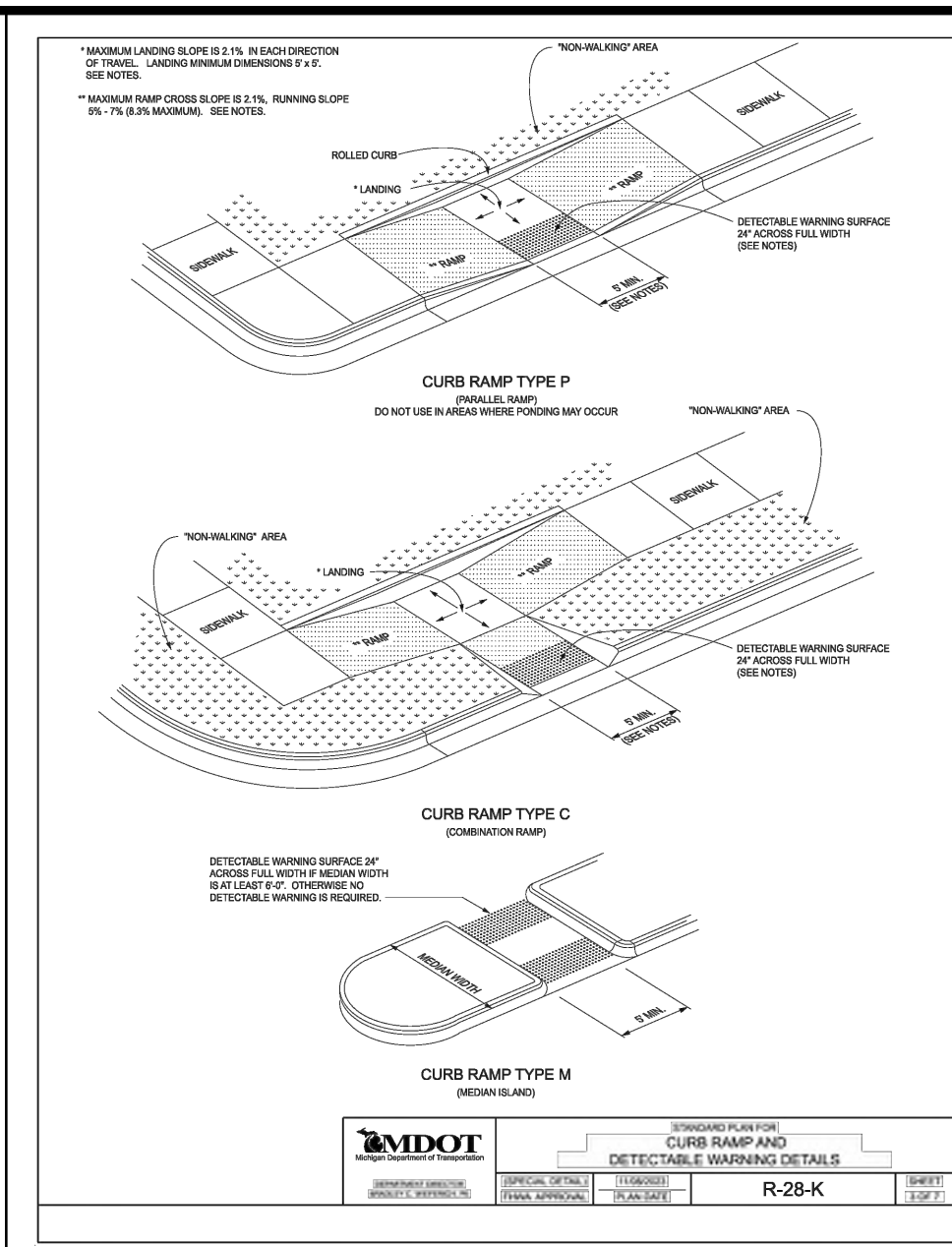
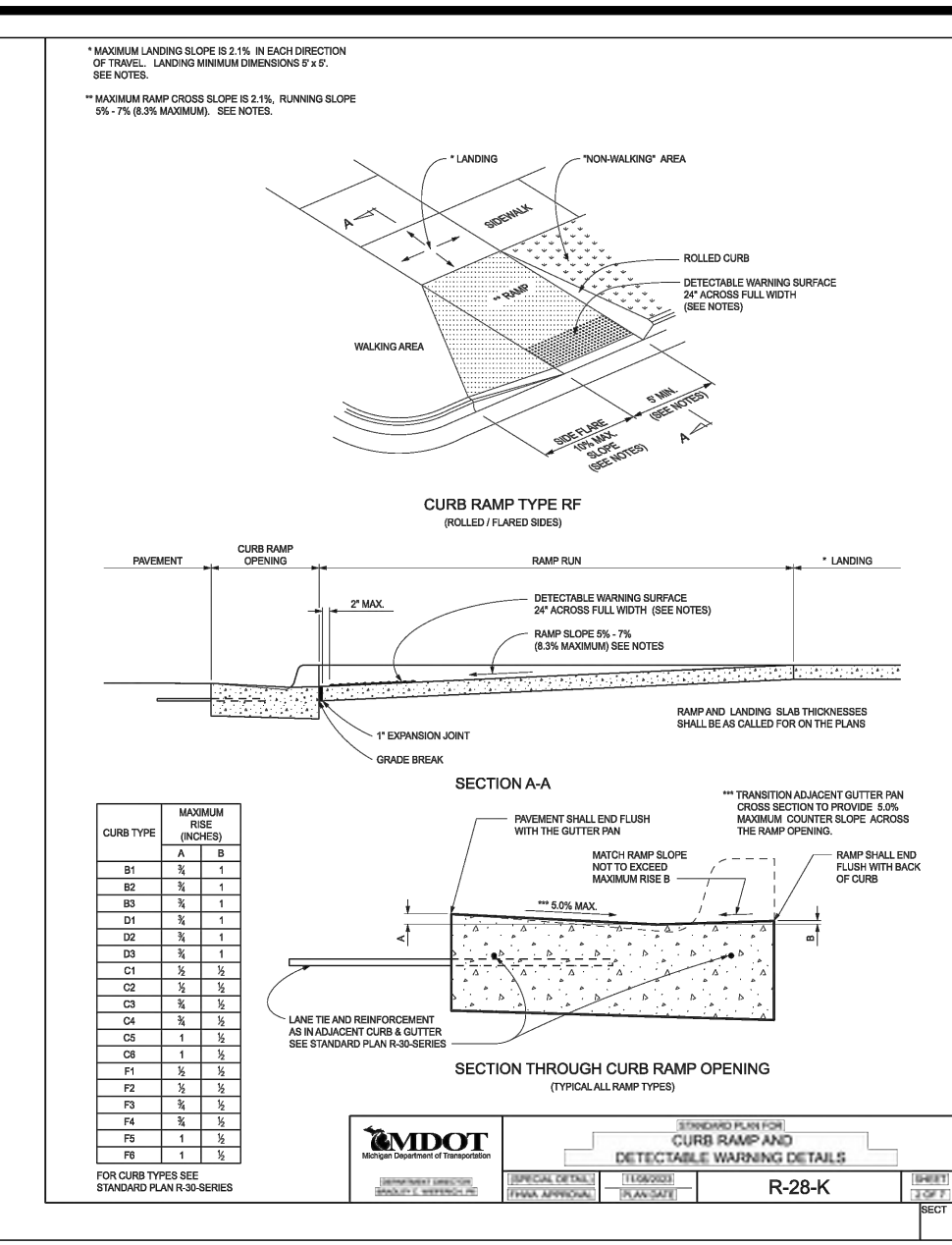
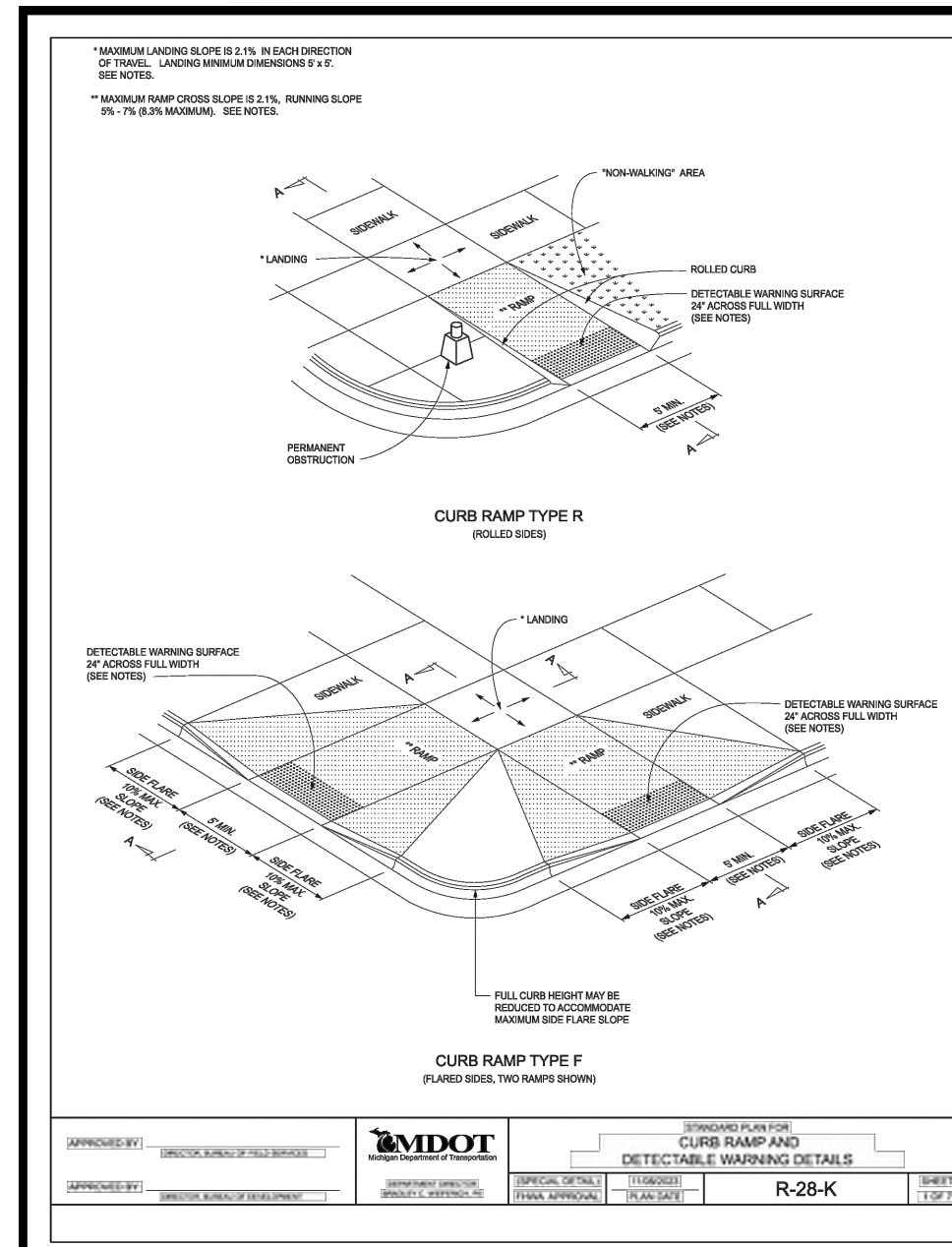
DATE ISSUED/REVISED
 2023-08-08 - ISSUED FOR CLIENT REVIEW
 2024-02-20 - REVISED PER CITY REVIEW
 2024-03-20 - REVISED PER CLIENT

DRAWN BY:
 B. Girbach
 DESIGNED BY:

APPROVED BY:
 J. Longhurst
 DATE:
 July 24, 2023

SCALE: N.T.S.
 NFE JOB NO. SHEET NO.
 1728-05 C5





www.armor-tile.com

Armor-Tile ADA

DETECTABLE/TACTILE WARNING SURFACE TILE

24" x 48" CAST IN PLACE PAINE DOME TACTILE TILE PLANS AND DETAILS

ADA-C-2448

APPROVED

ePLAN PLAN REVIEW

Buildings, Safety Engineering & Environmental Department

Date: 4/17/2024

Permit Number: ENG-24-69

ENGINEERS

CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS

NOWAK & FRAUS ENGINEERS
46777 WOODWARD AVE.
PONTIAC, MI 48342-5032
TEL (248) 332-7931
FAX (248) 332-8257
WWW.NOWAKFRAUS.COM

SEAL

STATE OF MICHIGAN
JASON R. LONGHURST
ENGINEER NO. 64075

PROJECT
16th Street Extension

CLIENT
Detroit International Bridge Co.
12225 Stephens Road
Warren, Michigan 48089
Contact:
Mr. Ken Carter
Phone: (313) 363-2868
Email:
kearter@qambassadorebridge.com

PROJECT LOCATION
Part of Private Claim No. 44
City of Detroit
Wayne County, Michigan

SHEET
Notes and Details

DATE ISSUED/REVISED
2023-08-08 - ISSUED FOR CLIENT REVIEW
2024-02-20 - REVISED PER CITY REVIEW
2024-03-20 - REVISED PER CLIENT

DRAWN BY:
B. Girbach

DESIGNED BY:

APPROVED BY:
J. Longhurst

DATE:
July 24, 2023

SCALE: N.T.S.

NFE JOB NO. 1728-05 SHEET NO. C6

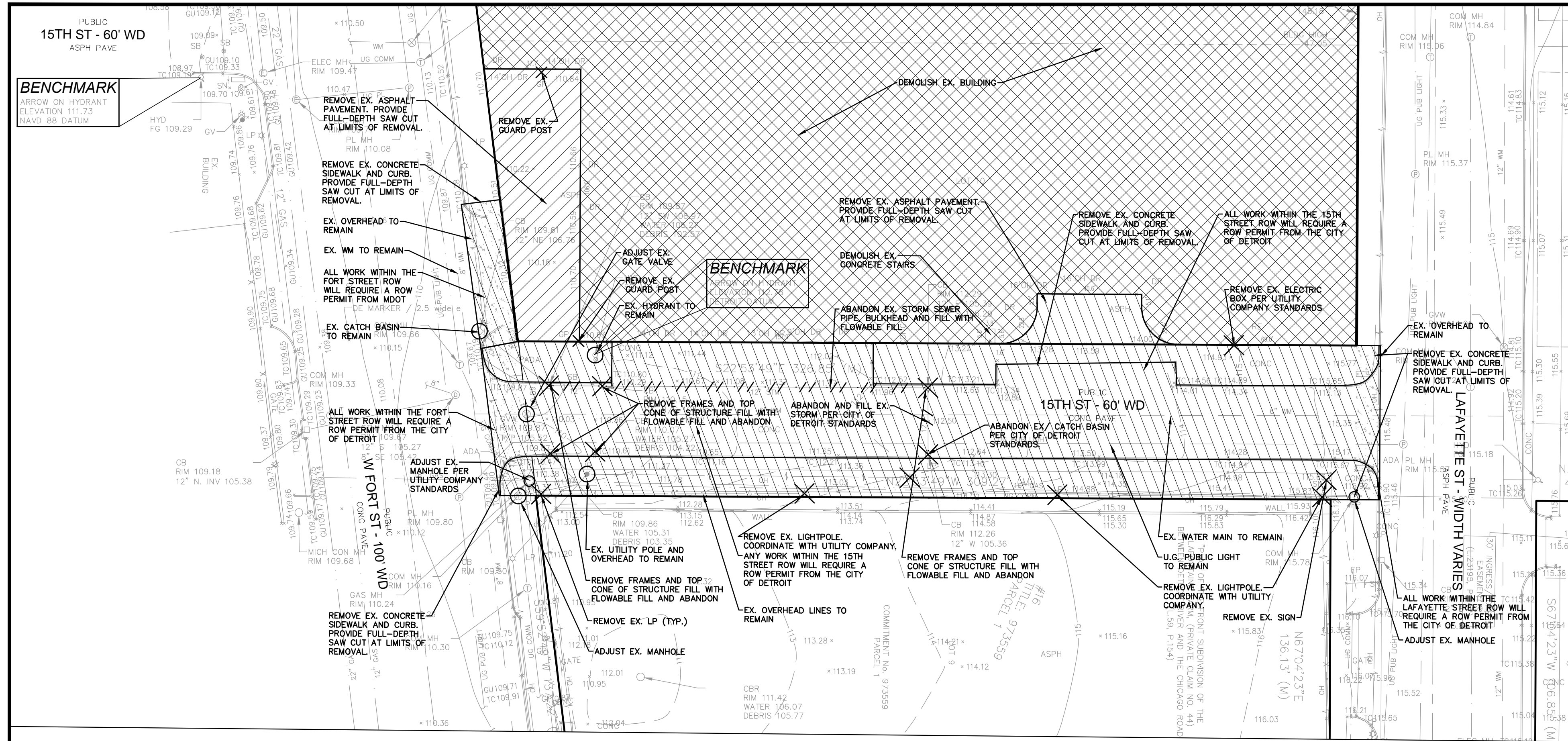
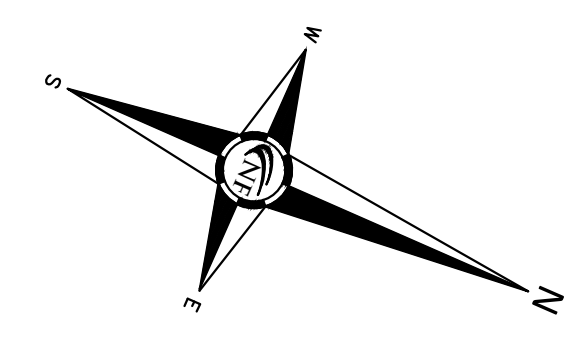


Date: 4/17/2024

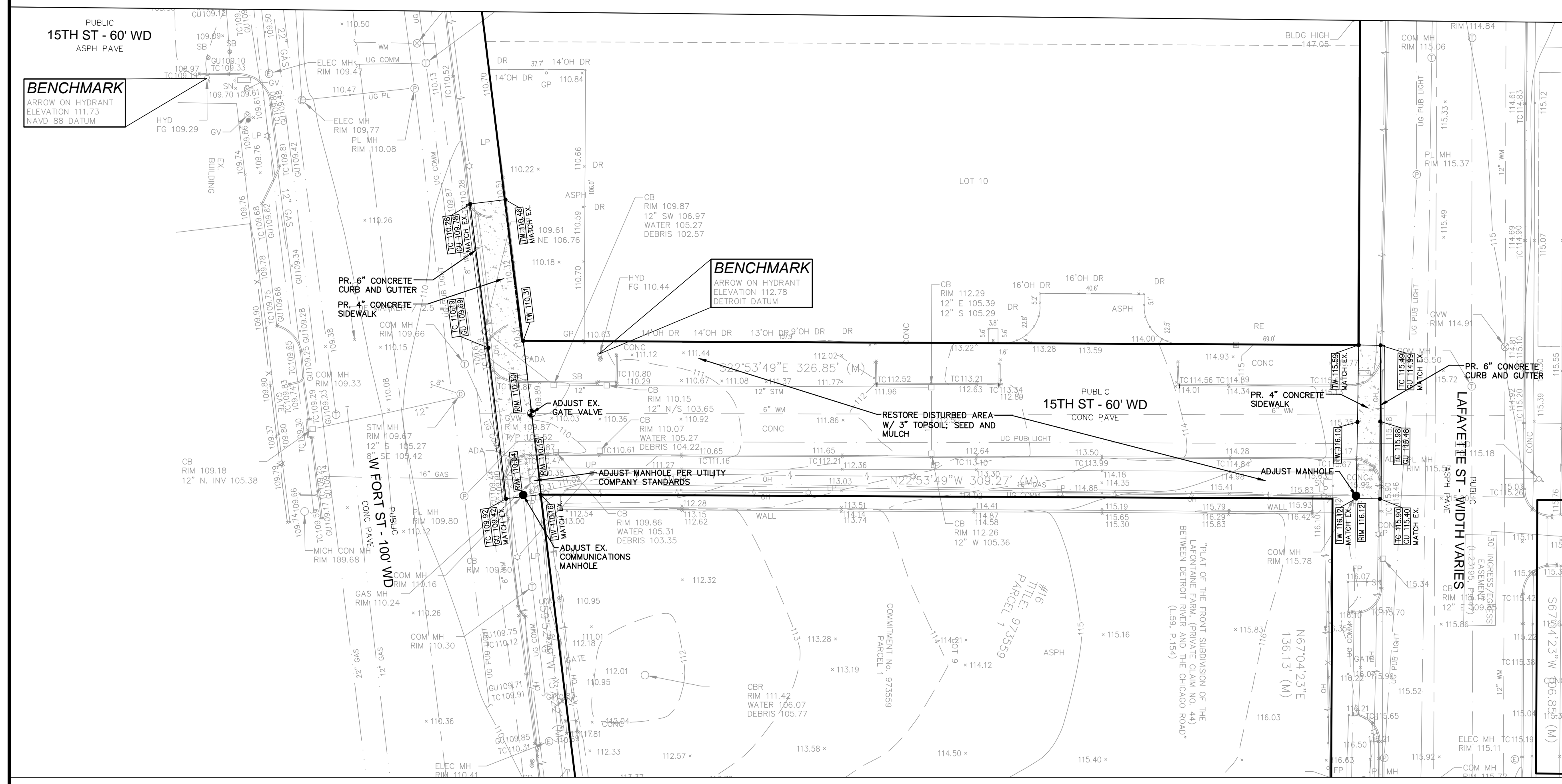
Permit Number: ENG-24-69

ENGINEERS
CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS

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46777 WOODWARD AVE.
PONTIAC, MI 48342-5032
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DEMOLITION PLAN
1"=30'



ENGINEERING PLAN
1"=30'

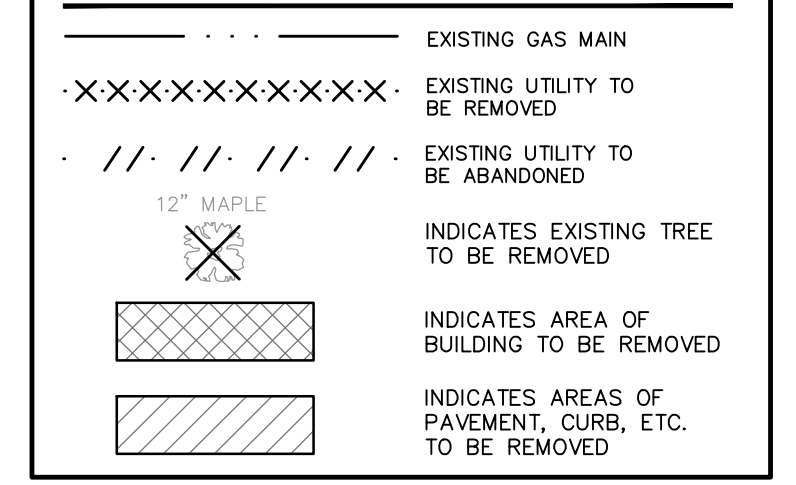
CONTRACTOR NOTE

CONTRACTOR SHALL FIELD VERIFY LIMITS OF EX. STORM SYSTEM (TELEWISE) PRIOR TO CONSTRUCTION. BULKHEADS TO BE INSTALLED AT ALL LIMITS OF ABANDONMENT.

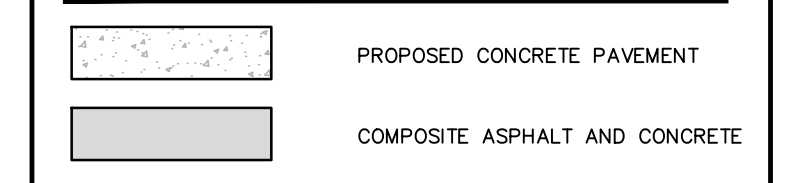
ESTIMATED QUANTITIES - THIS SHEET

PAVING	DESCRIPTION	QUANTITY	UNITS
	4" CONCRETE SIDEWALK	2,140	S.F.
	6" CONCRETE CURB AND GUTTER	220	L.F.

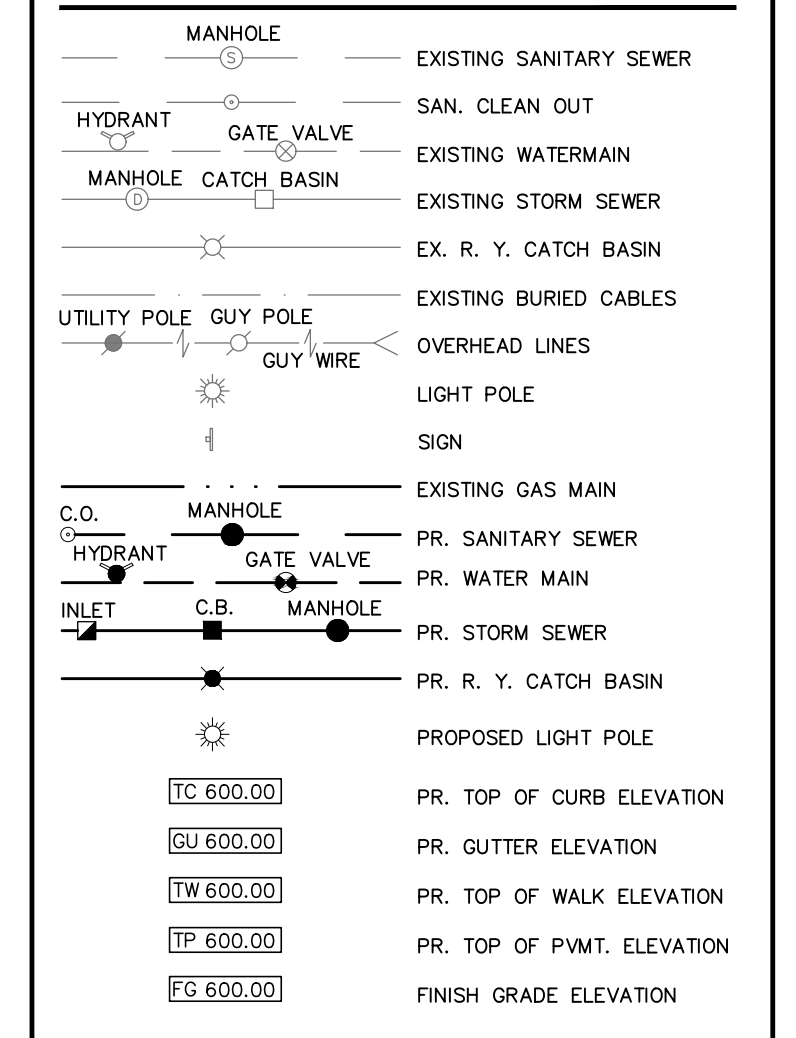
DEMO LEGEND



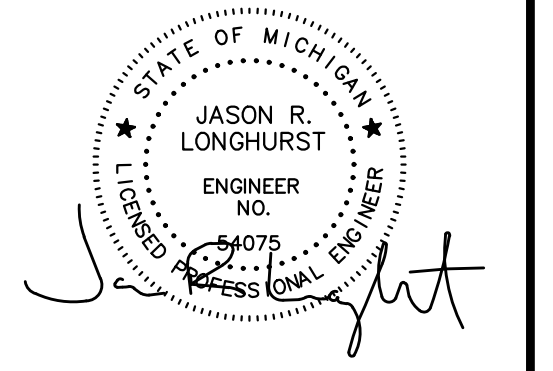
PAVING LEGEND



ENGINEERING LEGEND



SEAL



PROJECT
16th Street Extension

CLIENT
Detroit International Bridge Co.
12225 Stephens Road
Warren, Michigan 48089
Contact:
Mr. Ken Carter
Phone: (313) 363-2868
Email:
kcarter@qambassadorebridge.com

PROJECT LOCATION
Part of Private Claim No. 44
City of Detroit
Wayne County, Michigan

SHEET
Demolition and
Engineering Plan -
Vacated 15th Street



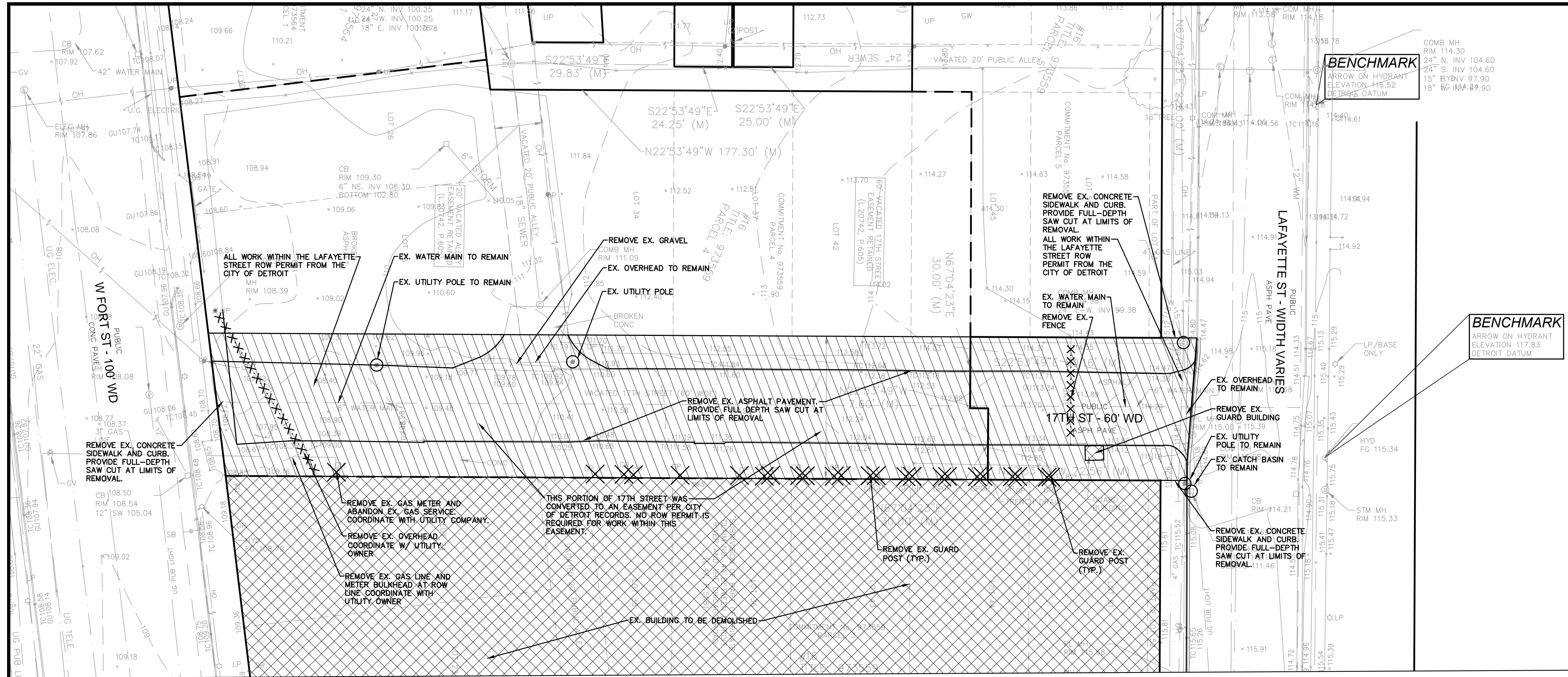
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2024-03-20 - REVISED PER CLIENT

DRAWN BY:
B. Girbach
DESIGNED BY:
T. Wood
APPROVED BY:
J. Longhurst

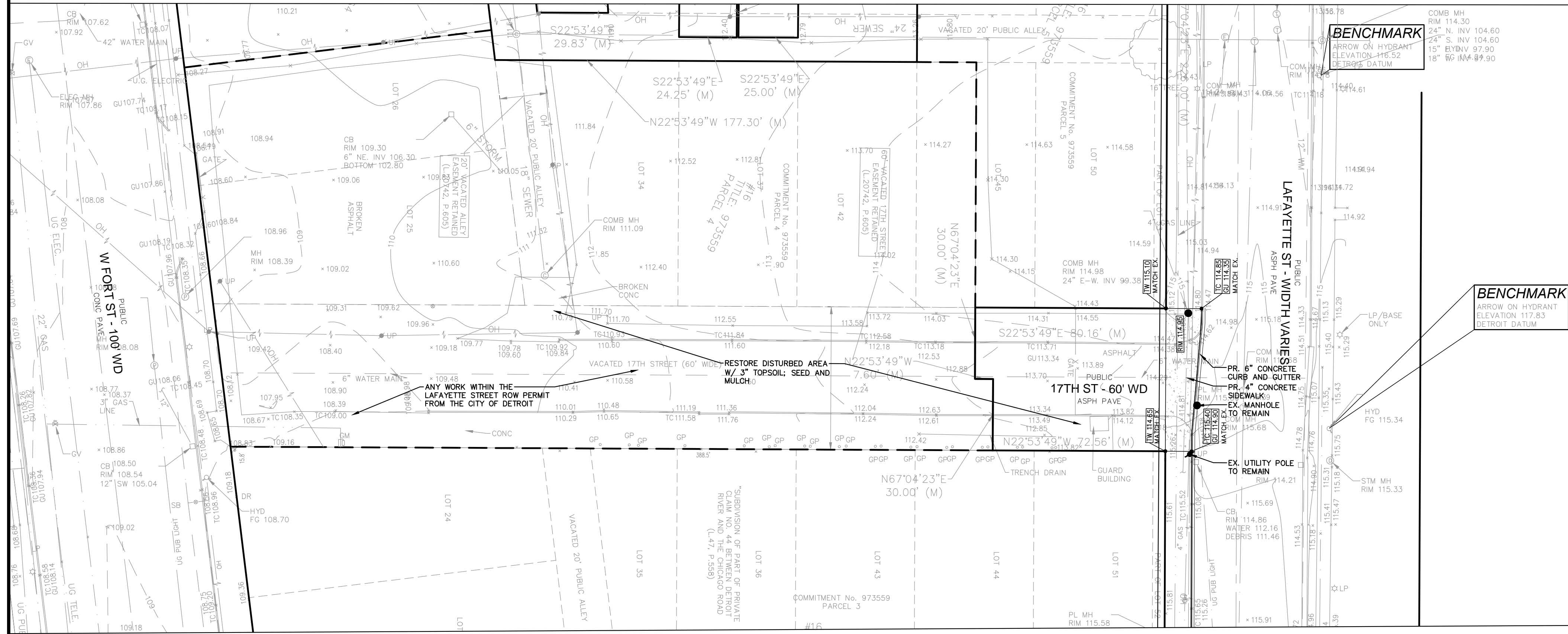
DATE:
July 24, 2023

SCALE: 1" = 30'

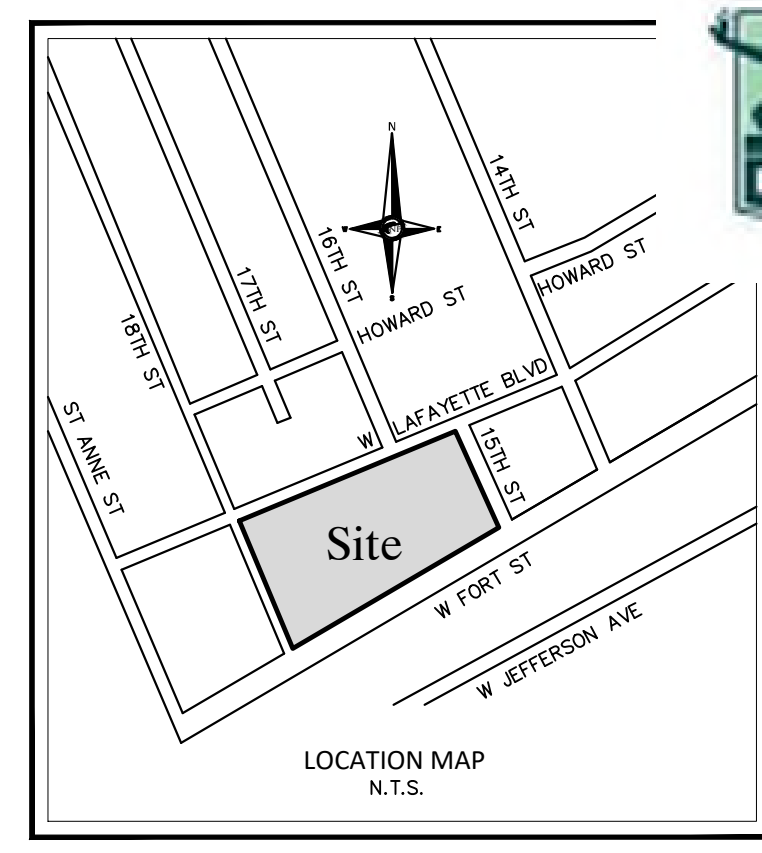
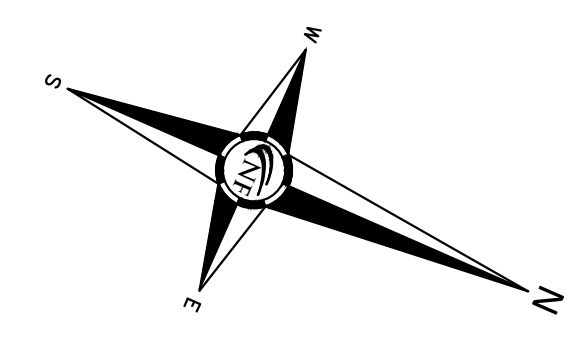
NFE JOB NO. SHEET NO.
1728-05 C7



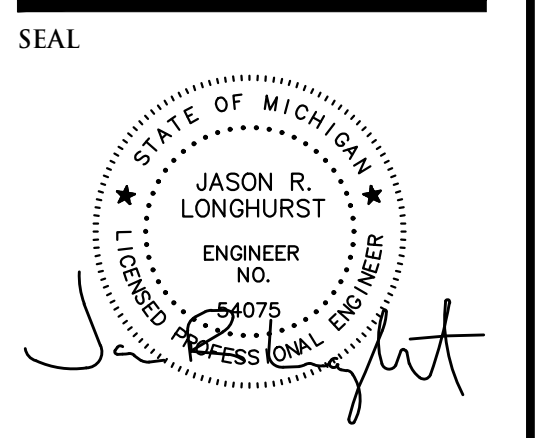
DEMOLITION PLAN
1"=30'



ENGINEERING PLAN
1"=30'



Permit Number: ENG-24-69
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PROJECT
16th Street Extension
CLIENT
Detroit International Bridge Co.
12225 Stephens Road
Warren, Michigan 48089
Contact:
Mr. Ken Carter
Phone: (313) 363-2868
Email:
kcarter@qambassadorebridge.com

ESTIMATED QUANTITIES - THIS SHEET
PAVING

DESCRIPTION	QUANTITY	UNITS
4" CONCRETE SIDEWALK	780	S.F.
6" CONCRETE CURB AND GUTTER	60	L.F.

DEMO LEGEND

- EXISTING GAS MAIN
- XXXXXX EXISTING UTILITY TO BE REMOVED
- /// EXISTING UTILITY TO BE ABANDONED
- 12" MAPLE
- X INDICATES EXISTING TREE TO BE REMOVED
- [Hatched Box] INDICATES AREA OF BUILDING TO BE REMOVED
- [Diagonal Lines Box] INDICATES AREAS OF PAVEMENT, CURB, ETC. TO BE REMOVED

PAVING LEGEND

- [Dotted Box] PROPOSED CONCRETE PAVEMENT
- [Solid Grey Box] COMPOSITE ASPHALT AND CONCRETE

ENGINEERING LEGEND

- MANHOLE
- HYDRANT
- MANHOLE
- UTILITY POLE
- UTILITY POLE
- C.O.
- HYDRANT
- INLET
- EXISTING SANITARY SEWER
- SAN. CLEAN OUT
- EXISTING WATERMAIN
- EXISTING STORM SEWER
- EX. R. Y. CATCH BASIN
- EXISTING BURIED CABLES
- OVERHEAD LINES
- LIGHT POLE
- SIGN
- EXISTING GAS MAIN
- PR. SANITARY SEWER
- PR. WATER MAIN
- PR. STORM SEWER
- PR. R. Y. CATCH BASIN
- PROPOSED LIGHT POLE
- TC 600.00
- GU 600.00
- TW 600.00
- TP 600.00
- FG 600.00
- PR. TOP OF CURB ELEVATION
- PR. GUTTER ELEVATION
- PR. TOP OF WALK ELEVATION
- PR. TOP OF PWMT. ELEVATION
- FINISH GRADE ELEVATION

PROJECT LOCATION
Part of Private Claim No. 44
City of Detroit
Wayne County, Michigan

SHEET
Demolition and
Engineering Plan -
Vacated 17th Street



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2023-08-08 - ISSUED FOR CLIENT REVIEW
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2024-03-20 - REVISED PER CLIENT

DRAWN BY:
B. Girbach
DESIGNED BY:
T. Wood
APPROVED BY:
J. Longhurst
DATE:
July 24, 2023
SCALE: 1" = 30'
30 15 0 15 30 45
NFE JOB NO. SHEET NO.
1728-05 C5