



Letter of Transmittal

Date: 9-5-2025
Petition Map: 25-86

Type of Petition

- | | | |
|---|---------------------------------------|--|
| ☒ Outright Vacation | ☐ Dedication | ☐ Berm Use |
| ☐ Conversion to Easement | ☐ Encroachment | ☐ Temporary Closing |

Review Status

The above petition has been received and reviewed by this office. Please see below for the review status as marked.

- | | |
|--|--|
| ☒ Approved Subject to
Attached Provisions | ☐ Revise and Resubmit |
| ☐ Not Approved | |

Additional Comments (if applicable):

DWSD records indicate there is DWSD assets in the public right-of-way requested for Outright vacation. DWSD has no objections to the requested for Outright vacation subject to the attached provisions are followed.

Attached is the DWSD provision related to the petition.

	Name	Title	Signature	Date
Reviewed by:	Mohammad Siddique	Engineer	<i>Mohammad Siddique</i>	9-5-2025
Approved by:	Syed Ali	Engineering Manager	<i>Mohammad Siddique</i> For Syed Ali	9-5-2025



PROVISIONS FOR OUTRIGHT VACATION

Provided that the petitioner shall design and construct proposed sewers and/or water mains and make the connections to the existing public sewers and/or water mains as required and approved by the Detroit Water and Sewerage Department (DWSD) prior to abandoning the sewers and/or water mains petitioned for outright vacation.

Provided that the plans for the sewers and or water mains shall be prepared by a licensed professional engineer registered in the State of Michigan; and further;

Provided that DWSD be and is hereby authorized to review the drawings for the proposed sewers and or water mains and to issue permits for the construction of the sewers and or water mains, and further;

Provided that the entire work is to be performed in accordance with the current DWSD standards/specifications and approved by DWSD and constructed under the inspection and approval of DWSD; and further;

Provided that the entire cost of the proposed sewers and or water mains construction, including inspection, survey and engineering shall be borne by the petitioner; and further;

Provided that the petitioner shall deposit with DWSD, in advance of engineering, inspection and survey, such amounts as the department deems necessary to cover the costs of these services; and further;

Provided that the petitioner shall grant to the City a satisfactory easement, if applicable, for the sewers and/or water mains; and further;

Provided that the Board of Water Commissioners shall accept and execute the easement grant on behalf of the City; and further;

Provided, that the petitioner shall provide DWSD with as -built drawings on the proposed sewers and or water mains; and further;

Provided that the petitioner shall provide a one (1) year warranty for the proposed sewers and or water mains; and further;

Provided that upon satisfactory completion, the proposed sewers and/or water mains shall become City property and become part of the City system. Any existing sewers and/or water mains that were abandoned shall belong to the petitioner and will no longer be the responsibility of the City.

August 19, 2025

City of Detroit
Maps and Records Bureau
2 Woodward Avenue, Room 216
Detroit, MI 48226

RE: REQUEST FOR EASEMENT VACATION

- **N/S 13.52-FT VACATED ALLEY LOCATED BETWEEN VACATED BREWSTER STREET AND ALFRED STREET**
- **E/W 20-FT VACATED ALLEY LOCATED BETWEEN 13.52 FT ALLEY DESCRIBED ABOVE AND CHRYSLER DRIVE DETROIT, WAYNE COUNTY, MICHIGAN**

To whom it may concern:

On behalf of MHT Housing, Inc, applicant for the above referenced petition, we seek permission to vacate the following easements:

- 13.52-ft wide vacated alley located between vacated Brewster Street and Alfred Street;
- 20-ft wide vacated alley located between 13.52 ft alley described above and Chrysler Drive

The requested vacations are related to construction of three (3) new, 4-story, buildings consisting of 159 residential units. Combined sewer exists within the vacated alleys and the proposed buildings will encroach on the vacated alleys. The existing combined sewer will be removed, and new sanitary sewer is proposed to serve the development.

Currently, the subject property is unimproved.

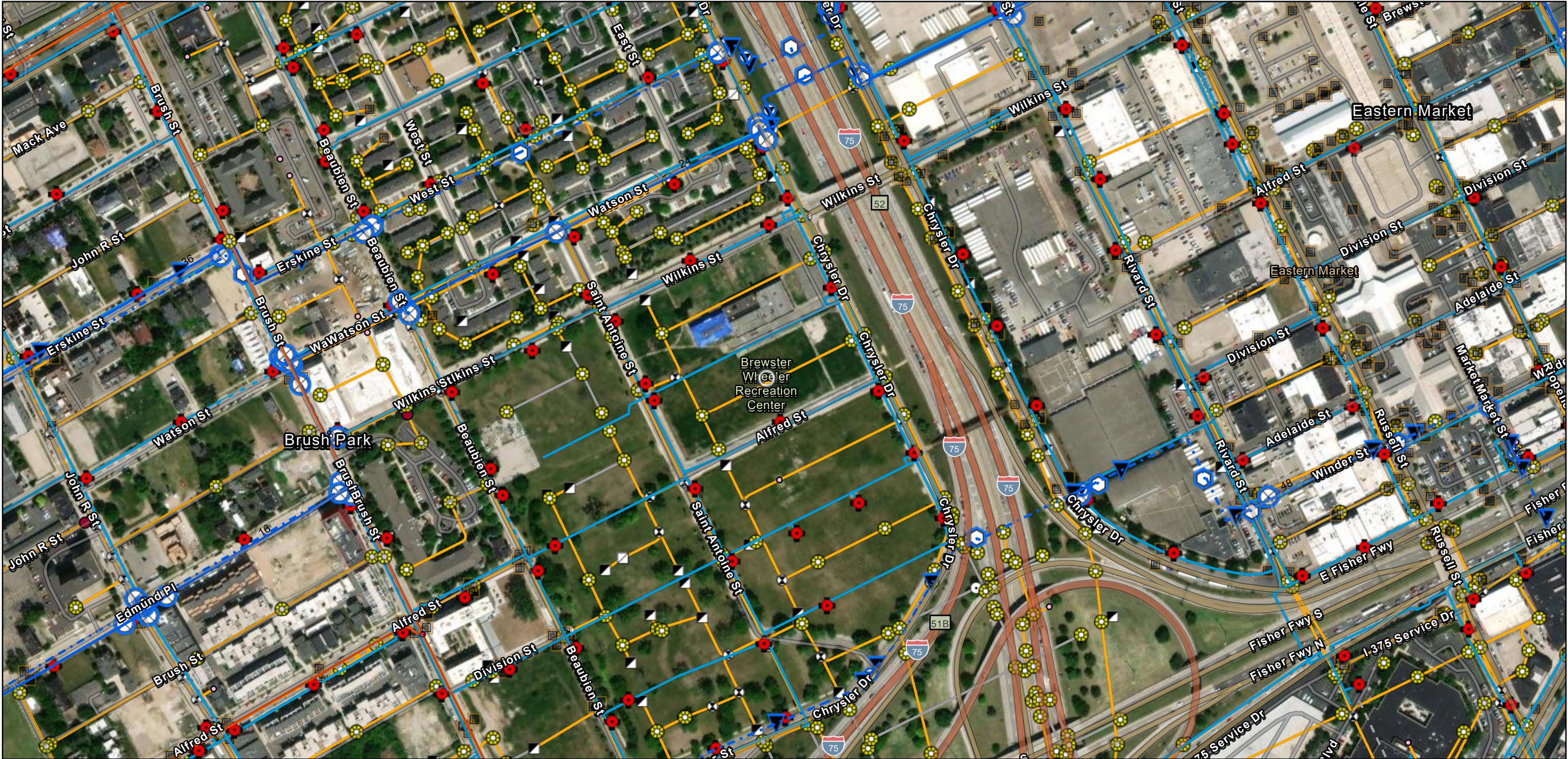
We respectfully request permission to vacate the easements as described herein, and as illustrated in the attached site plan.

Sincerely,

Paul Stoddard

Paul Stoddard
Director of Design & Construction
MHT Housing, Inc.
32500 Telegraph Road, Suite 100
Detroit, Michigan 48025
Tel.: 248-833-0552
Email:

651 Alfred Street



8/27/2025

1:4,514

Wastewater Structures - GLWA

- Bellmouth
- Manhole

Wastewater Mains - GLWA

GLWA Gravity Main

Transmission System Mains - GLWA

Abandoned/Inactive Water Main

Active Water Main

Transmission System Valves - GLWA

- Blowoff
- Cone
- Gate

- Manual Air
- Tapping Sleeve
- Distribution System Hydrant

Distribution System Main

- Active
- Abandoned

- Wastewater Catch Basin
- Wastewater Manhole
- Wastewater Fitting
 - Bend/Slope Change
 - Blind Connection
 - Bulkhead/Cap
 - Material/Size Change

- Crown/Main Point
- Crown/Main Point
- Wastewater Lamp Hole
- Wastewater GravityMain
 - Active
 - Abandoned/Inactive/Retired
 - Abandoned/Inactive/Retired

Wastewater Regulator

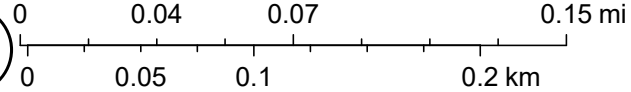
World Imagery

Low Resolution 15m Imagery

High Resolution 60cm Imagery

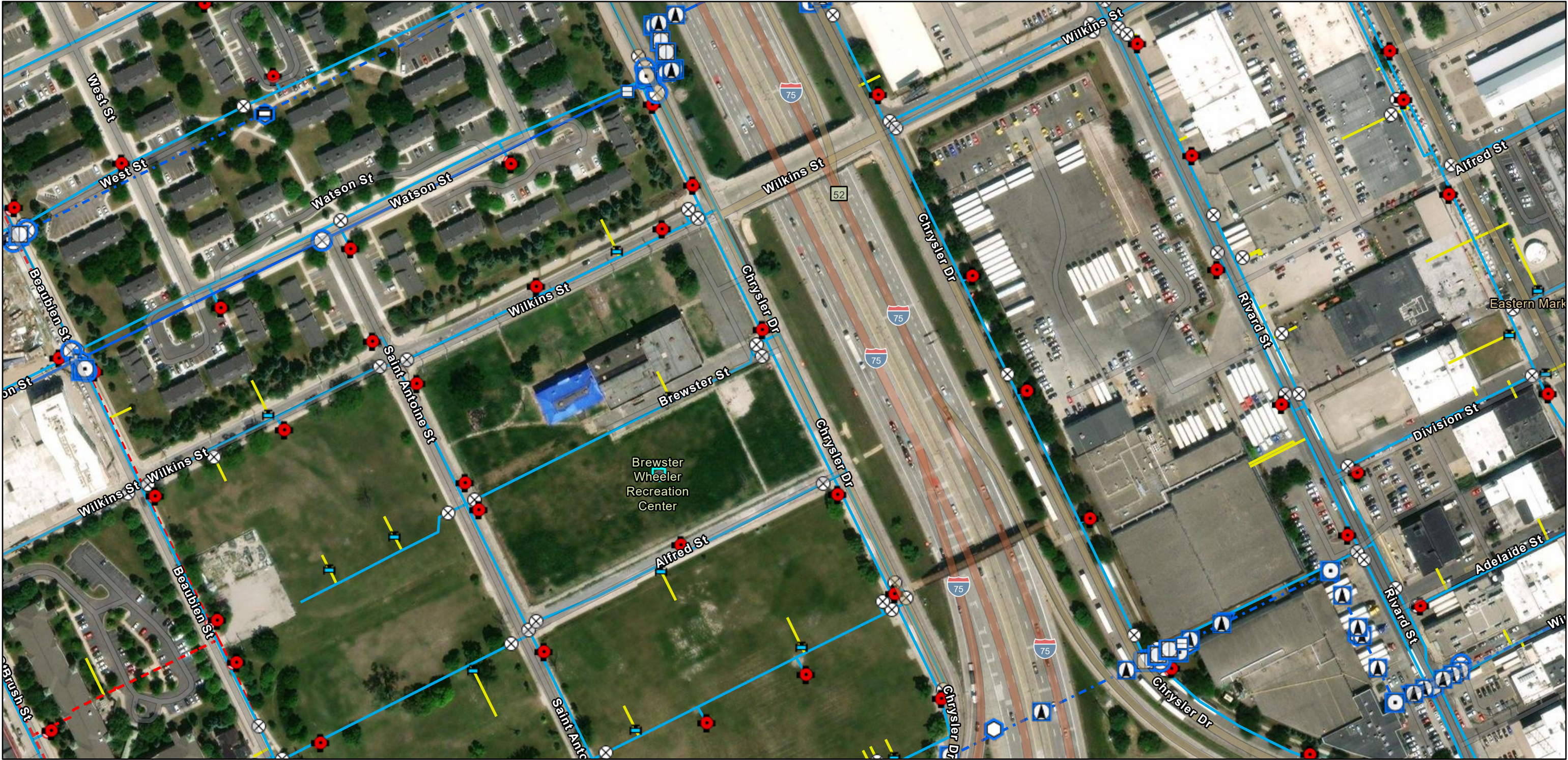
High Resolution 30cm Imagery

Citations



DWSD, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Maxar

651 Alfred Street



8/27/2025, 10:58:43 AM

Transmission System Fittings (GLWA)

- Coupling
- Cross
- Horizontal Bend
- Reducer

- Sleeve
- Tap
- Tee
- Vertical Bend

Transmission System Valves (GLWA)

- Blowoff

- Cone
- Gate
- Manual Air

Tapping Sleeve

Transmission System Mains (GLWA)

- Abandoned/Inactive Water Main

Abandoned/Inactive Water Main

Active Water Main
Distribution System Hydrant

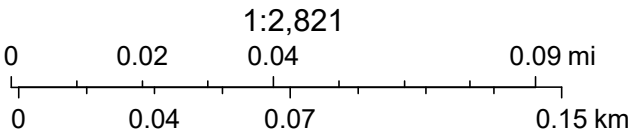
- DWSD
- Distribution System Valve
- Gate

TSV

Hydrant

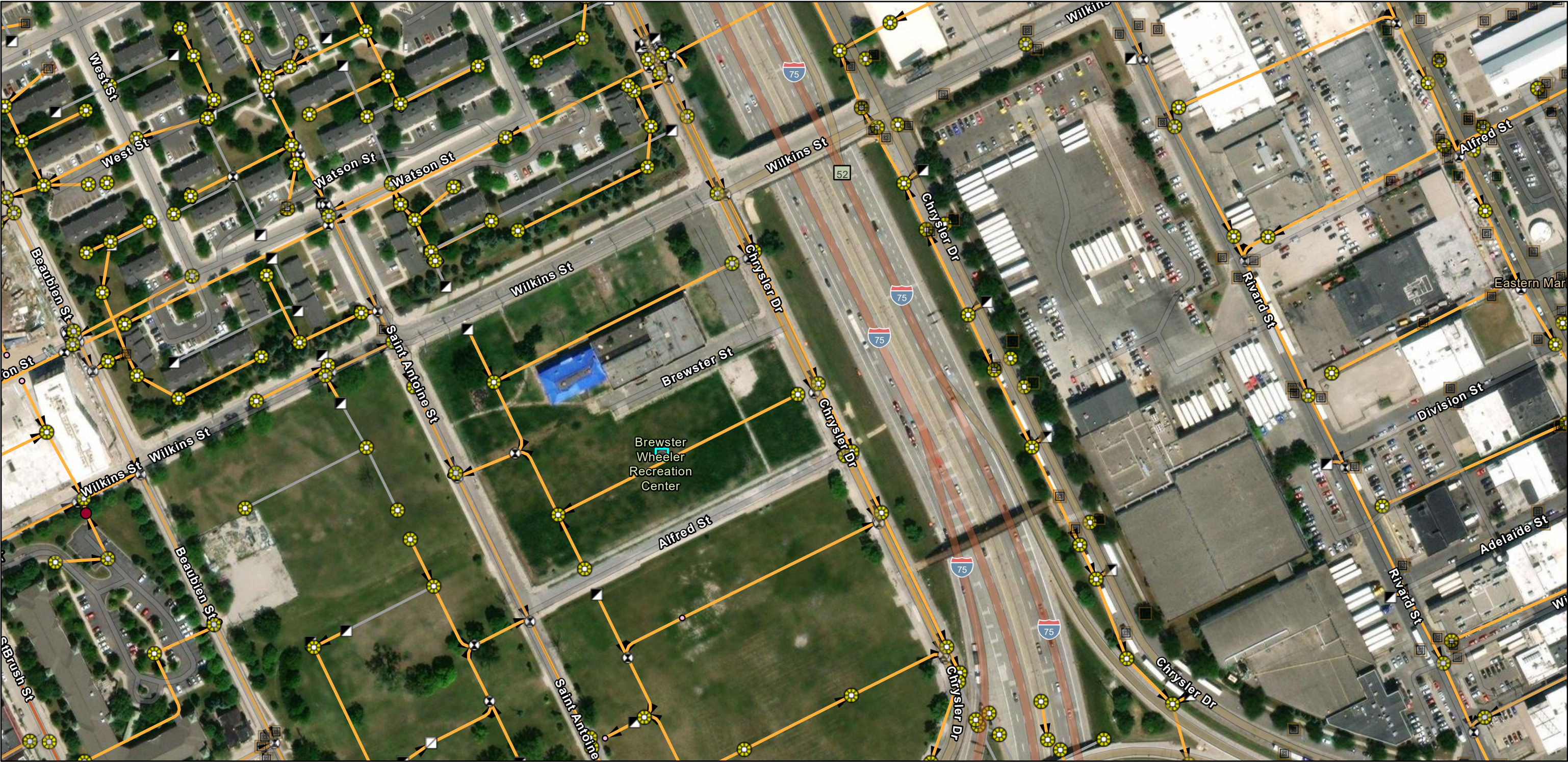
Distribution System Main

- Active
- Abandoned
- Distribution System Service Line



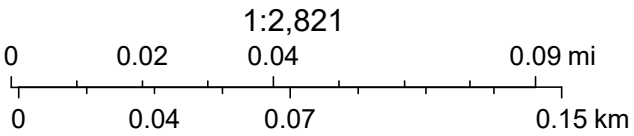
Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Maxar

651 Alfred Street

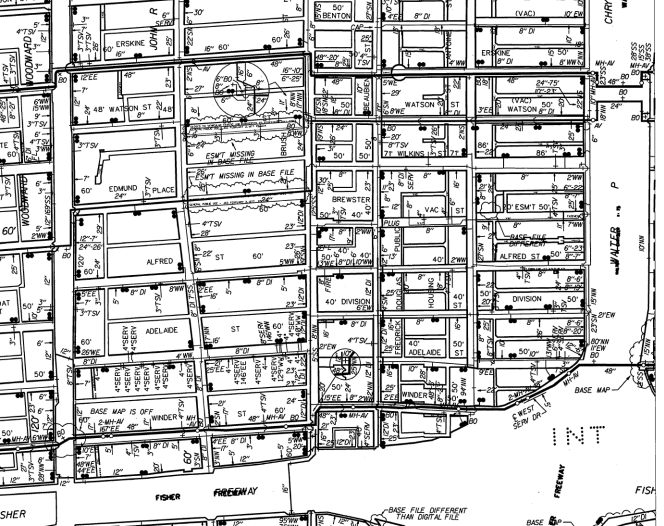


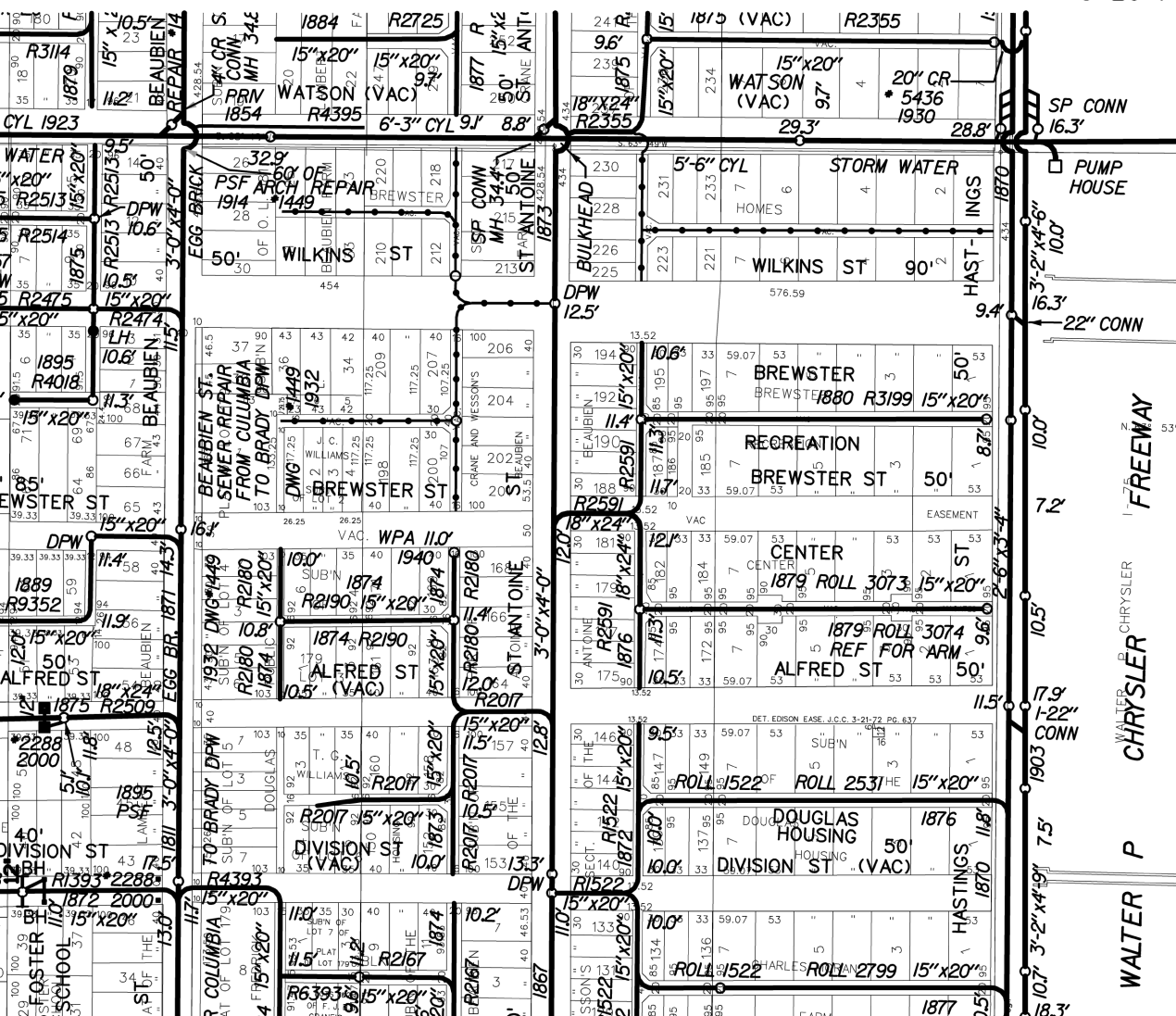
8/27/2025, 10:58:46 AM

- | | | | |
|-------------------------------|----------------------|--------------------------------|--------------------------------|
| Wastewater Catch Basin (DWSD) | Bulkhead/Cap | Wastewater Regulator (DWSD) | Wastewater Structures (GLWA) |
| Wastewater Lamp Hole (DWSD) | Material/Size Change | Wastewater Gravity Main (DWSD) | Manhole |
| Wastewater Manhole (DWSD) | Crown/Main Point | Active | Wastewater Mains (GLWA) |
| Wastewater Fitting (DWSD) | Crown/Main Point | Abandoned/Inactive/Retired | GLWA Gravity Main |
| Blind Connection | | Abandoned/Inactive/Retired | DWSD Wastewater Flow Direction |



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community, Maxar



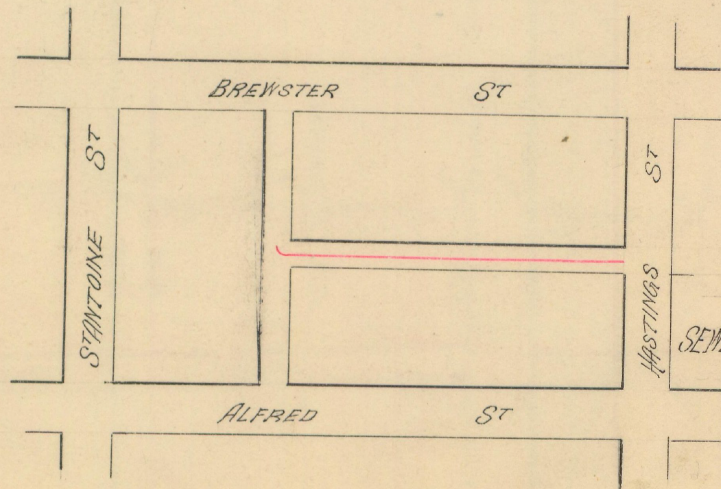


No 14

LATERAL SEWER IN ALLEY

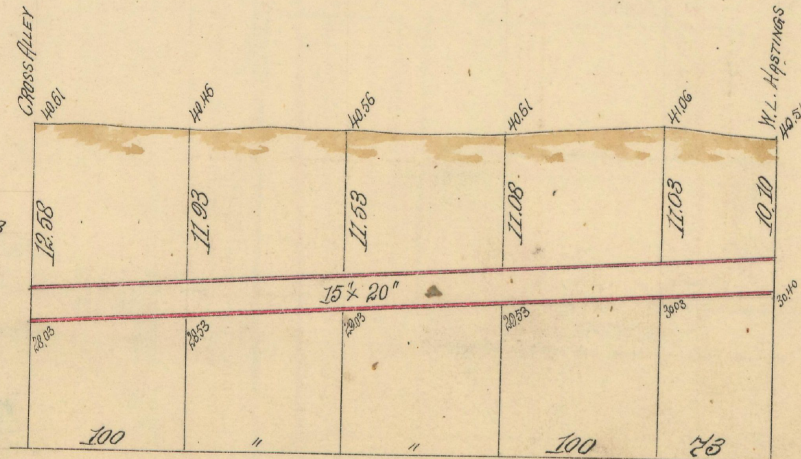
Bot St Antoine Hastings Brewster and Alfred Sts

1879



LENGTH OF SEWER 484 FT
 SIZE " " 15" x 20" I.R.C.B.
 GRADE " " 0.50 PER 100 FT

30



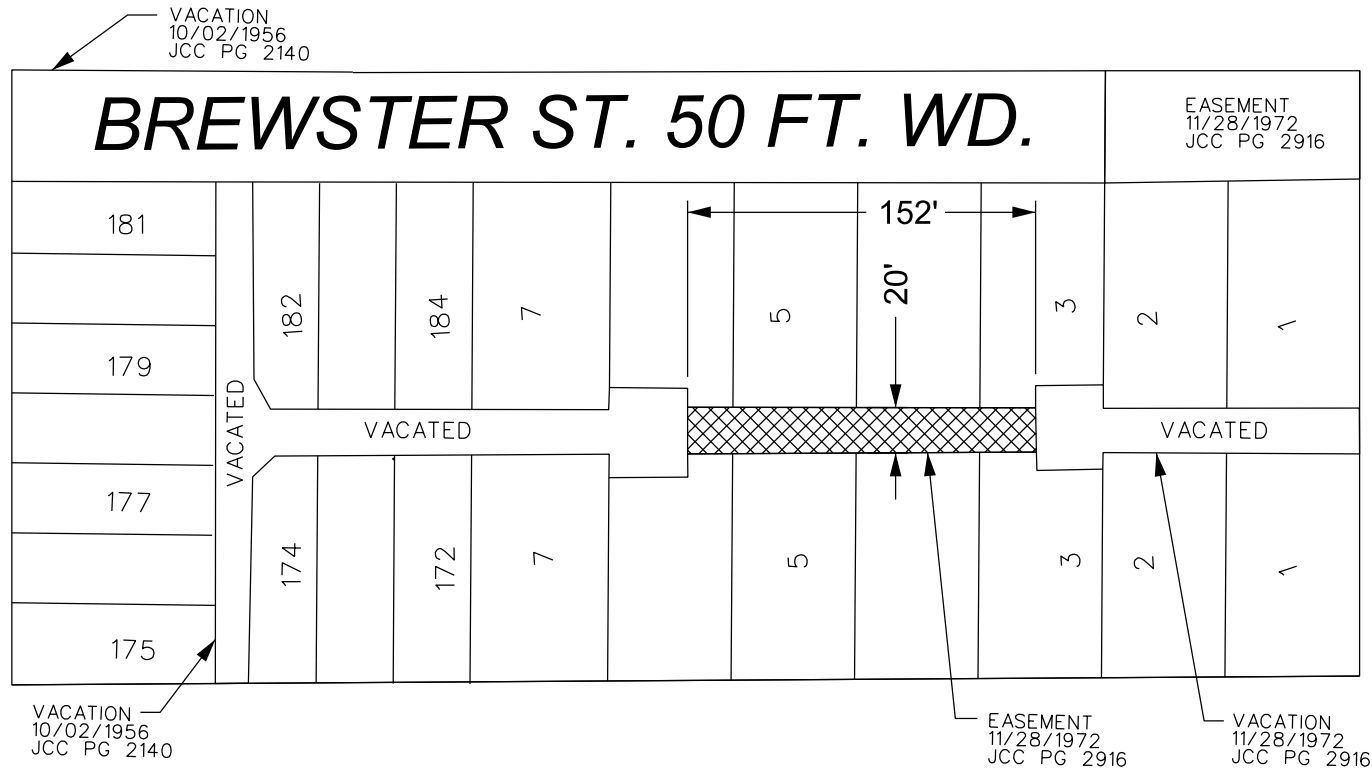
HOR. 1" = 100 FT
 VER. " 10 "

WHITTAKER & SCHNEIDER CON'RS
 PRICE PER FOOT .41c
 ROLL 3073

6602

MAP-25-86

ST. ANTOINE ST. 50 FT. WD.



(I-75) - CHRYSLER FWY. S.S.D.



- REQUEST OUTRIGHT VACATION

(FOR OFFICE USE ONLY)

CARTO 29 F

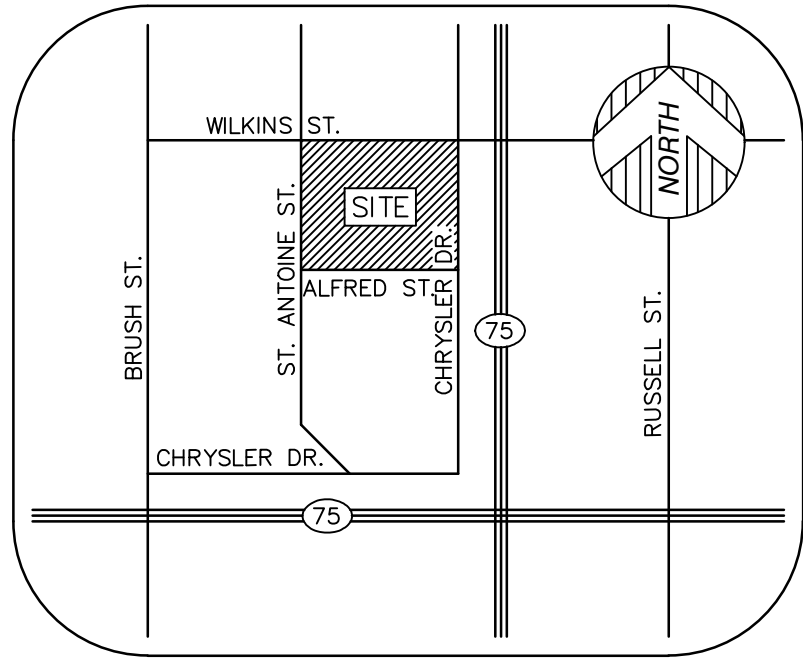
B					
A					
DESCRIPTION	DRWN	CHKD	APPD	DATE	
REVISIONS					
DRAWN BY	AP	CHECKED	LC / TS		
DATE	08-25-2025	APPROVED	GE		

REQUEST OUTRIGHT VACATION
A PORTION OF THE EAST/WEST ALLEY
BOUNDED BY CHRYSLER FWY. S.S.D.,
ALFRED ST., ST. ANTOINE ST., AND
BREWSTER ST.

CITY OF DETROIT
CITY ENGINEERING DIVISION
SURVEY BUREAU

JOB NO. 25-86

DRWG. NO.



VICINITY MAP

(NOT TO SCALE)

HANDICAP PARKING = 0 STALLS
STANDARD PARKING = 41 STALLS

PARCEL AREA

273,351± SQUARE FEET = 6.27± ACRES

BASIS OF BEARING

NORTH 63°00'01" EAST, BEING THE SOUTHERLY LINE OF WILKINS ST, BASED ON GPS OBSERVATION, MICHIGAN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE, NAD83.

BENCHMARK

SITE BENCHMARK #1
NAIL IN NORTH SIDE OF POWER POLE AT THE SOUTHWEST CORNER OF ALFRED STREET AND CHRYSLER DRIVE
ELEVATION = 619.92' (NAVD 88)

SITE BENCHMARK #2
ARROW ON HYDRANT NORTHWEST OF VEHICULAR APPROACH TO SITE.
ELEVATION = 622.09' (NAVD 88)

SITE BENCHMARK #3
ARROW ON HYDRANT AT SOUTH CENTER OF PROPERTY NORTH OF ALFRED STREET.
ELEVATION = 621.87' (NAVD 88)

LEGEND

	FOUND MONUMENT (AS NOTED)
	RECORD SECTION CORNER (AS NOTED)
	RECORD AND MEASURED DIMENSION
	RECORD DIMENSION
	MEASURED DIMENSION
	GROUND ELEVATION
	ELECTRIC MANHOLE
	UTILITY POLE
	GAS METER
	GAS VALVE
	LIGHT POLE WITH STREET LAMP
	PUBLIC LIGHTING MANHOLE
	CLEANOUT
	SEWER MANHOLE
	SQUARE CATCH BASIN
	FIRE HYDRANT
	WATER GATE MANHOLE
	WATER VALVE
	STEAM VAULT
	UNKNOWN MANHOLE
	LIGHTPOST/LAMP POST
	SINGLE POST SIGN
	SOIL BORING
	TREE (AS NOTED)
	PARCEL BOUNDARY LINE
	PLATTED LOT LINE
	ADJOINER PARCEL LINE
	SECTION LINE
	EASEMENT (AS NOTED)
	BUILDING
	BUILDING OVERHANG
	CONCRETE CURB
	RAISED CONCRETE
	PARKING
	EDGE OF CONCRETE (CONC.)
	EDGE OF ASPHALT (ASPH.)
	FENCE (AS NOTED)
	WALL (AS NOTED)
	OVERHEAD UTILITY LINE
	GAS LINE
	SANITARY LINE
	STORM LINE
	WATER LINE
	MINOR CONTOUR LINE
	MAJOR CONTOUR LINE
	BUILDING AREA
	ASPHALT
	CONCRETE

SURVEYOR'S CERTIFICATION

TO CINNAIRE TITLE SERVICES, LLC; AND OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY:

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6A, 6B, 7A, 7B, 8, 9, 10A, 11A, 11B, 13, 16, 17, 19, AND 20 OF TABLE A, THEREOF. THE FIELD WORK WAS COMPLETED ON 04/20/23.

DATE OF PLAT OR MAP: 04/28/23

DRAFT

ANTHONY T. SYCKO, JR., P.S.
PROFESSIONAL SURVEYOR
MICHIGAN LICENSE NO. 47976
22556 GRATIOT AVE., EASTPOINTE, MI 48021
TSycko@kentec-survey.com

SURVEYOR'S NOTES

1. 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. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES OTHER THAN THE STRUCTURE INVENTORY SHOWN HEREON.

2. THERE IS NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADJUSTMENTS.

3. THE SURVEYOR IS UNAWARE OF ANY PROPOSED CHANGES IN STREET RIGHT OF WAY LINES. THERE IS NO OBSERVED EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS.

TITLE REPORT NOTE

ONLY THOSE EXCEPTIONS CONTAINED WITHIN THE CINNAIRE TITLE SERVICES, LLC COMMITMENT NO. 705658, DATED JANUARY 18, 2023, AND RELISTED BELOW WERE CONSIDERED FOR THIS SURVEY. NO OTHER RECORDS RESEARCH WAS PERFORMED BY THE CERTIFYING SURVEYOR.

2. INTEREST OF THE CITY OF DETROIT AS EVIDENCED BY QUIT CLAIM DEED RECORDED IN LIBER 54245, PAGE 343 AND BY AFFIDAVIT RECORDED IN LIBER 57879, PAGE 1148. (NOT PLOTTABLE, SEE DOCUMENTS FOR TERMS AND CONDITIONS)

3. DECLARATION OF TRUST RECORDED IN LIBER 51568, PAGE 505. (NOT PLOTTABLE, SEE DOCUMENT FOR TERMS AND CONDITIONS)

4. DECLARATION OF TRUST AND RESTRICTIVE COVENANT RECORDED IN LIBER 50371, PAGE 1370. (NOT PLOTTABLE, SEE DOCUMENT FOR TERMS AND CONDITIONS)

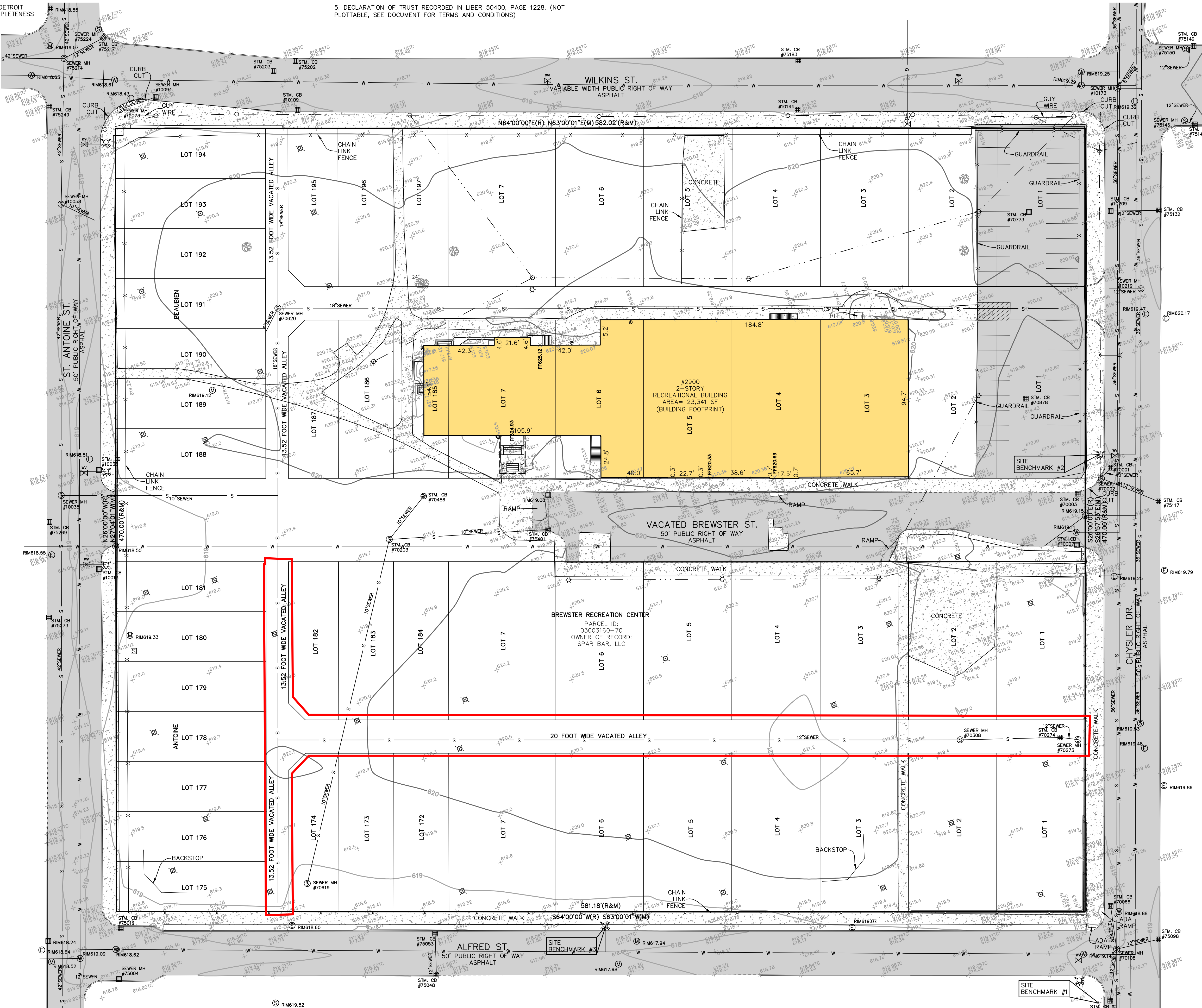
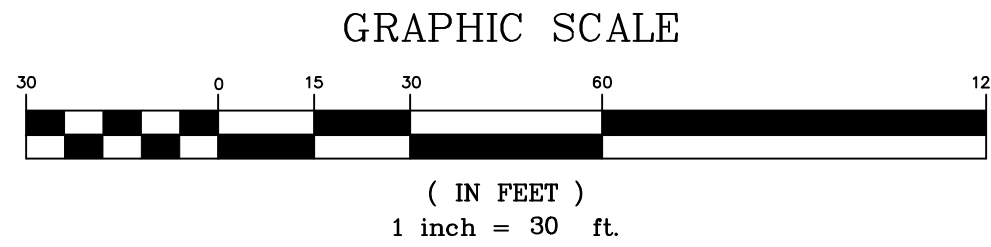
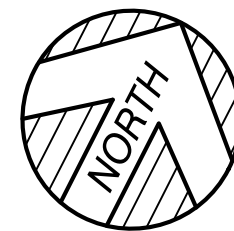
5. DECLARATION OF TRUST RECORDED IN LIBER 50400, PAGE 1228. (NOT PLOTTABLE, SEE DOCUMENT FOR TERMS AND CONDITIONS)

PROPERTY DESCRIPTION

THE LAND SITUATED IN THE COUNTY OF WAYNE, STATE OF MICHIGAN, IS DESCRIBED AS FOLLOWS:

LOTS 172 THROUGH 197 OF THE CRANE & WESSONS SUBDIVISION, AS RECORDED IN LIBER 1, PAGE 9 OF PLATS, WAYNE COUNTY RECORDS, ALSO NORTH ALFRED LOTS 1 THROUGH 7, SOUTH BREWSTER LOTS 1 THROUGH 7, NORTH BREWSTER LOTS 1 THROUGH 7, SOUTH WILKINS LOTS 1 THROUGH 7 AND VACATED BREWSTER AND ALLEYS ADJACENT C. MORAN FARM SUBDIVISION, AS RECORDED IN LIBER 1 PAGE 254 OF PLATS WAYNE COUNTY RECORDS.

ADDRESS: 2900 S. ANTOINE STREET



DATE	BY	REVISION	DESCRIPTION
04/28/23	JDM		
04/28/23	ATS		
APRIL 28, 2023			
PROJECT NO.			



contract for the construction of Lateral Sewer 6921 in Right-of-Way West of Schaefer South of Fullerton, Contract PW-2175, with Mole Construction Company, in the amount of \$8,274.00, and be it further

Resolved, That the Controller be and he is hereby authorized and directed to honor vouchers when presented, the vouchers to include the cost of advertising, inspection, and minor contingencies, as well as the Contract costs and charge them to Account 925-2383-923.

Adopted as follows:

Yeas — Councilmen Beck, Connor, Lincoln, Rogell, Smith, Van Antwerp, Wise, Youngblood, and President Mirani—9.

Nays—None.

Department of Public Works

September 25, 1956.

Honorable Common Council:

Gentlemen—On July 24, 1956, JCC Page 1540, your Honorable Body authorized the sale of \$3,350,000 Motor Vehicle Highway Fund Bonds to provide funds for the Street Betterment program of the Department of Public Works.

The Municipal Finance Commission of the State of Michigan approved the issuance of these bonds under date of September 18, 1956, and bids for the purchase will be opened on October 2, 1956.

Pending the printing and delivery of these bonds and availability of funds from the sale thereof—funds will be needed to make payments to contractors for work done under the Street Betterment program.

It is therefor requested that your Honorable Body authorize the City Controller to advance the sum of \$1,000,000.00 from 4th Quarter allotment of Account 144-2421-121 to Fund 952 for this purpose, which sum will be repaid when funds are available from sale of the Motor Vehicle Highway Fund Bonds.

Respectfully submitted,

GLENN C. RICHARDS,
Commissioner.

Approved:

E. P. RIEHL, Deputy Controller.

By Councilman Wise:

Whereas, it appears that within the Public Works Sanitation Fund, certain moneys are not at this time necessary or required for the purposes specified, and further that said moneys will not be required for the service or fund specified until June, 1957, and is therefore available for loan to the Motor Vehicle Highway Bond Fund (1956) and

Whereas, Said Public Works—Sanitation Fund shall hereafter be reimbursed, should said moneys be necessary or essential to meet the requirements of said fund prior to June, 1957. Now, therefore, be it

Resolved, That the sum of \$1,000,-

000.00 be temporarily loaned from Public Works 144-2421-121, Wages, to 952 Motor Vehicle Highway Bond Fund (1956) in order to pay current expenditures of the re-surfacing program, which loan will be repaid from proceeds of bond sale authorized July 24, 1956, J.C.C. 1504-1545; and be it further

Resolved, That the City Controller and the City Treasurer be and they are hereby authorized and directed to effect the necessary transfer to carry out the intent of this resolution.

Approved:

P. T. DWYER, Corp. Counsel.

Adopted as follows:

Yeas — Councilmen Beck, Connor, Lincoln, Rogell, Smith, Van Antwerp, Wise, Youngblood, and President Mirani—9.

Nays—None.

Department of Public Works

September 19, 1956.

Honorable Common Council:

Gentlemen—We are returning herewith the petition of the Department of Parks and Recreation requesting the vacation of Brewster Avenue, east of St. Antoine Avenue, and the vacation of certain alleys north and south of Brewster Avenue, east of St. Antoine Avenue. The request was approved by the City Plan Commission and the petition was then referred to this office by your Committee of the Whole for investigation and report.

Our investigations are completed and they disclose that several City Departments are affected by the vacation of said street and alleys.

An easement is reserved in the vacating resolution for the Department of Water Supply for the maintenance of its water main located in Brewster Avenue.

On May 11, 1956, the petitioners issued an interdepartmental purchase order No. 2352, in the amount of \$4,000.00 in favor of the Public Lighting Commission to cover the costs of relocating P.L.C. facilities necessitated by the vacation of said street and alleys.

The petitioners on August 2, 1956, issued an interdepartmental purchase order No. B-2650, in the amount of \$800.00 in favor of the Detroit Fire Department to cover the cost of relocating two fire hydrants located in the portion of Brewster Avenue to be vacated.

The petitioners have requested that the paved returns at the entrance of the street and alleys to be vacated remain in their present status as the petitioner plans to utilize same, and has agreed to pay all costs incidental to the removal of said returns at such time in the future as the removal becomes necessary. This meets with the approval of the Department of Public Works.

A proper provision is incorporated

action of
ht-of-Way
Fullerton,
Mole Con-
amount of
troller be
ized and
when pre-
clude the
tion, and
all as the
them to

, Connor,
Antwerp,
ent Mirl-

Vorks
5, 1956.

1956, JCC
ble Body
000 Motor
is to pro-
etterment
of Public

ommission
approved
ids under
and bids
pened on

d delivery
ability of
of—funds
yments to
under the

that your
the City
m of \$1.-
allotment
Fund 952
n will be
able from
Highway

ted,
ARDS,
ssioner.

ntroller.

within the
id, certain
necessary
specified,
s will not
or fund

, and is
n to the
ond Fund

ks—Sani-
be reim-
neys be
meet the
prior to
be it

of \$1,000,-

000.00 be temporarily loaned from Public Works 144-2421-121, Wages, to 952 Motor Vehicle Highway Bond Fund (1956) in order to pay current expenditures of the re-surfacing program, which loan will be repaid from proceeds of bond sale authorized July 24, 1956, J.C.C. 1504-1545; and be it further

Resolved, That the City Controller and the City Treasurer be and they are hereby authorized and directed to effect the necessary transfer to carry out the intent of this resolution.

Approved:
P. T. DWYER, Corp. Counsel.
Adopted as follows:

Yeas — Councilmen Beck, Connor, Lincoln, Rogell, Smith, Van Antwerp, Wise, Youngblood, and President Mirlani—9.

Nays—None.

Department of Public Works

September 19, 1956.

Honorable Common Council:

Gentlemen—We are returning herewith the petition of the Department of Parks and Recreation requesting the vacation of Brewster Avenue, east of St. Antoine Avenue, and the vacation of certain alleys north and south of Brewster Avenue, east of St. Antoine Avenue. The request was approved by the City Plan Commission and the petition was then referred to this office by your Committee of the Whole for investigation and report.

Our investigations are completed and they disclose that several City Departments are affected by the vacation of said street and alleys.

An easement is reserved in the vacating resolution for the Department of Water Supply for the maintenance of its water main located in Brewster Avenue.

On May 11, 1956, the petitioners issued an interdepartmental purchase order No. 2352, in the amount of \$4,000.00 in favor of the Public Lighting Commission to cover the costs of relocating P.L.C. facilities necessitated by the vacation of said street and alleys.

The petitioners on August 2, 1956, issued an interdepartmental purchase order No. B-2650, in the amount of \$800.00 in favor of the Detroit Fire Department to cover the cost of relocating two fire hydrants located in the portion of Brewster Avenue to be vacated.

The petitioners have requested that the paved returns at the entrance of the street and alleys to be vacated remain in their present status as the petitioner plans to utilize same, and has agreed to pay all costs incidental to the removal of said returns at such time in the future as the removal becomes necessary. This meets with the approval of the Department of Public Works.

A proper provision is incorporated

into the vacating resolution protecting the City's interests in the sewers located in the alleys to be vacated.

All other City Departments and privately owned utility companies reported that they will be unaffected by the vacation of said street and alleys.

As the vacation of the street and alleys is necessary for the proper utilization of the recreational site, we recommend the adoption of the attached resolution.

Respectfully submitted,
GLENN C. RICHARDS,
Commissioner.

By Councilman Wise:

Resolved, That all that part of Brewster Avenue 50 feet wide east of St. Antoine Avenue, as platted in the Plat of the Subdivision of Charles Moran Farm, between Gratiot and Indiana Streets, City of Detroit, as recorded in Liber 1, Page 254 of Plats, Wayne County Records, and the Plat of Crane and Wesson's Section of the Antoine Beaubien Farm, north of Elizabeth Street, City of Detroit, Wayne County, Michigan, as recorded in Liber 1, Page 9 of Plats, Wayne County Records, lying north of and adjoining the north line of lots 181 to 184 both inclusive, north of and adjoining the north line of the north-south alley 13.52 feet wide lying between lots 181 and 182, south of and adjoining the south line of lots 185 to 188 both inclusive, and south of and adjoining the south line of the north-south public alley 13.52 feet wide lying between lots 187 and 188 of the last mentioned subdivision, lying south of and adjoining the south line of lots 3 to 7 both inclusive, said lots lying on the north side of Brewster Avenue, and north of and adjoining the north line of lots 3 to 7 both inclusive, said lots lying on the south side of Brewster Avenue, of the above mentioned Plat of the Subdivision of Charles Moran Farm.

Also all of the north-south public alley 13.52 feet wide, east of St. Antoine Avenue, between Brewster and Alfred Streets, as platted in said Plat of Crane and Wesson's Section of the Antoine Beaubien Farm, as recorded in Liber 1, Page 9 of Plats, Wayne County Records, lying east of and adjoining the east line of lots 175 to 181 both inclusive, west of and adjoining the west line of lots 174 and 182, and west of and adjoining the west line of the east-west public alley lying between lot 174 and 182 of the last mentioned subdivision.

Also all of the east-west public alley 20 feet wide east of St. Antoine Avenue, between Brewster and Alfred Avenues, as platted in said Plat of the Subdivision of the Charles Moran Farm, as recorded in Liber 1, Page 254 of Plats, Wayne County Records, and said Plat of Crane and Wesson's Section of the Antoine Beaubien Farm, as recorded in Liber 1, Page 9 of Plats,

Wayne County Records, lying north of and adjoining the north line of lots 172, 173, and 174, and south of and adjoining the south line of lots 182, 183, and 184 of the last mentioned subdivision, lying south of and adjoining the south line of lot 7, south of and adjoining the south line of the west 30 feet of lot 6 on the south side of Brewster Avenue, north of and adjoining the north line of lot 7, and north of and adjoining the north line of the west 30 feet of lot 6 on the north side of Alfred Avenue of the above mentioned Plat of the Subdivision of the Charles Moran Farm. Also also all of the alley turn around set aside by the Common Council of the City of Detroit on June 13, 1922, being the south 5 feet of the west 30 feet of lot 6 on the south side of Brewster Avenue, and the north 5 feet of the west 30 feet of lot 6 on the north side of Alfred Avenue, as platted in said Plat of the Subdivision of the Charles Moran Farm, as recorded in Liber 1, Page 254 of Plats, Wayne County Records.

Also all of the east-west public alley 20 feet wide in the block bounded by St. Antoine, Hastings, Wilkins, and Brewster Avenues, as platted in said Plat of Subdivision of the Charles Moran Farm, as recorded in Liber 1, Page 254 of Plats, Wayne County Records and the Plat of Crane and Wesson's Section of the Antoine Beaubien Farm, as recorded in Liber 1, Page 9 of Plats, Wayne County Records lying south of and adjoining the south line of lot 197, south of and adjoining the south line of the east 20 feet of lot 196, north of and adjoining the north line of 185, and north of and adjoining the north line of the east 20 feet of lot 186 of the last mentioned subdivision, south of and adjoining the south line of lot 1 to 7 both inclusive on the south side of Wilkins Avenue, and north of and adjoining the north line of lots 1 to 7 both inclusive on the north side of Brewster Avenue of the above mentioned Plat of the Subdivision of the Charles Moran Farm.

Also all of the north-south public alley 20 feet wide east of St. Antoine Avenue, north of Brewster Avenue, said alley being conveyed to the City of Detroit by the United States on June 2, 1936, J.C.C. Pages 1360, 1361, and 1362, which alley is in fact the east 20 feet of lot 186 of said Plat of Crane and Wesson's Section of the Antoine Beaubien Farm, as recorded in Liber 1, Page 9 of Plats, Wayne County Records.

Be and the same are hereby vacated as a public street and alleys to become a part and parcel of the adjoining property, subject to the following provision:

1. Provided, that by reason of the vacation of the above described street, the City of Detroit does not waive

any right to the sewers located therein and at all times shall have the right to enter upon the premises, if found necessary, on account of said sewers to repair, alter, or service same; and further

2. Provided, that if a building is to be constructed over said sewers, the sewers shall be replaced with cast iron pipe of the same size, re-routed or encased in 6 inches of Class A concrete, or in lieu of the above, such work shall be done as will be specified by the City Engineer, all of the work mentioned to be done under the supervision and inspection of the Department of Public Works and all costs entailed to be borne by the petitioners, their successors, or assigns; and further

3. Provided, That no buildings shall be constructed over said sewers without the prior approval of such building construction by the City Engineer and the Department of Buildings and Safety Engineering; and further

4. Provided, In the event that the sewers located in said street, if built upon, shall break causing damage to any construction above, the petitioners and its assigns, by acceptance of the permit for building over said sewers, waive all claims for damages to such construction and agree to pay all costs incident to the repair of such broken sewer.

5. An easement or right-of-way is hereby reserved in and over vacated Brewster Avenue, for the purpose of maintaining, repairing, removing, or replacing the 8 inch water main located in said street;

6. No buildings, structures, or obstacles of any nature shall be constructed or placed upon the easement or any part thereof, in order that the easement shall be accessible at all time to vehicles and equipment of this department;

7. The petitioner (Department of Parks and Recreation) shall assume full responsibility and shall release and shall assume the defense of and indemnify and save harmless the Board of Water Commissioners from any and all claims for damages which may occur as a result of the existence of, or the failure of the 8 inch water main, or from the acts of this department or its agents in inspecting, maintaining, operating, repairing or replacing the water main or its appurtenances.

8. It shall be understood that the petitioner will assume all responsibility for and expense of restoring any pavement, lawn, shrubbery, or other improvement, located in the easement, which may be damaged by this department or its agents in pursuance of its rights under the provisions of the easement.

Adopted as follows:

Yeas — Councilmen Beck, Connor, Lincoln, Rogell, Smith, Van Antwerp,

Wise, Youngblood, and President Miriam—9.

Nays—None.

Department of Public Works

September 26, 1956.

Honorable Common Council:

Gentlemen—We are returning herewith Petitions Nos. 10565 and 10566 of the S. Weissman Excavating Company, Incorporated, to force pave Keeler from Dale to the westerly City limits, and to force pave Midland from Dale to the westerly City limits.

An investigation has been made on the ground and it is found that these two streets are direct connecting links between Telegraph Road and Dale Avenue, one block to the east which is a light manufacturing area. Since the Wayne County Road Commission is going to pave the half block between the City limits and Telegraph Road we believe that it would be desirable for the City to pave the other half block easterly of the City limits extending to Dale which latter street is now paved. Although this is a side street, it is zoned entirely for business and the abutting property will bear the entire expense of the assessed portion.

The following resolution is offered for your consideration if it meets with your approval.

Respectfully submitted,
GLENN C. RICHARDS,
Commissioner.

By Councilman Wise:

Resolved, That the paving of Midland Avenue from Dale Avenue to the westerly City limits and the paving of Keeler Avenue from Dale Avenue to the westerly City limits be and are hereby declared to be a necessity; and that the Commissioner of Public Works be and is hereby authorized and directed to enter into contracts for the paving of said streets under the Force Paving Clause of the City Charter, the cost of the improvement to be assessed to the abutting property in accordance with the benefits derived.

Adopted as follows:

Yeas — Councilmen Beck, Connor, Lincoln, Rogell, Smith, Van Antwerp, Wise, Youngblood, and President Miriam—9.

Nays—None.

Department of Public Works

September 28, 1956.

Honorable Common Council:

Gentlemen—In answer to your request for information, we are submitting herewith a "Report on the Effect of Accepting Sanitary Sewage from Outside of the City on the Detroit Sewerage System."

We would be happy to supply any

additional in
desire. Respector
M. F. WA
REPORT ON
ACCEPTING
FROM OUTSIDE
THE DETROIT

CITY OF FA
Agreement
6 cubic feet per
dry weather
excluded.
The 6 c.f.s.
be introduced
sell into the
The Hessel
0 in. inside d
of 340 cubic
The agree
the Farming
automatic ove
whenever the
full as a res
Detroit.

The capaci
Interceptor
weather flow
is 34 c.f.s. a
half full.
In either
Sanitary (N
tion of 6 c.
not overload
ing.

NORTH LA
(J. L. I
Agreement
ance of 2
sanitary se
The 2 c.f.
will be intr
Road sewer
The Sou
9 in. inside
of 225 c.f.s.
This ag
temporary
ing that
ceptor is
land Gard
In our
c.f.s. to
would ha
flooding
SOUTH
TOW
Agreement
ance of
(10,000 g
sludge fr
ment pi
County.

The sl
the sanit
troit syst
land C
which 1
Detroit
an exist
The
sanitary
operated

1002-414, Rental of Buildings and Space.

Respectfully submitted,
STANLEY C. RICH,
Second Deputy Commissioner

Approved:
W. I. STECHER,
Controller

By Councilman Levin:

Resolved, That the Detroit Police Department be and is hereby authorized to lease antennae and radio equipment space at the Fisher Building at a cost not to exceed \$137 per month in accordance with the foregoing communication; and be it further

Resolved, That the Controller be and is hereby authorized and directed to honor vouchers when presented and charge them to Account No. 118-1002-414, Rental of Buildings and Space, subject to confirmation of lease agreement by Common Council.

Adopted as follows:

Yeas — Councilmen Eberhard, Henderson, Hood, Levin, Wierzbicki, and President Ravitz — 6.
Nays — None.

Department of Police

November 13, 1972

Honorable Common Council:

Subject: Request permission to reimburse sergeant Joseph Brooks \$38.00 for personal property loss.

Gentlemen — In accordance with Common Council Resolution of February 7, 1961, and the City Controller Directive No. 23, the Detroit Police Department requests permission to reimburse Sergeant Joseph Brooks \$38.00 for personal property loss.

On August 4, 1972, while affecting the arrest of a defendant, Sergeant Brooks removed his prescription glasses and placed them in his inside jacket pocket just prior to taking action. During the foot chase, which resulted in an extortion arrest, the officer fell inside an apartment building losing his glasses. A search of the immediate area was to no avail.

Inasmuch as the officer was performing in the line of duty at the time of the incident, will you kindly authorize the department to reimburse Sergeant Joseph Brooks \$38.00 to cover his loss.

Respectfully submitted,
STANLEY C. RICH,

Second Deputy Commissioner

Approved:
W. I. STECHER,
Controller

By Councilman Levin:

Resolved, That the Department of Police be and it is hereby authorized to pay the claim outlined in the above communication; and be it further

Resolved, That the Controller be and he is hereby authorized and

directed to honor vouchers when presented in accordance with the foregoing communication.

Adopted as follows:

Yeas — Councilmen Eberhard, Henderson, Hood, Levin, Wierzbicki, and President Ravitz — 6.

Nays — None.

Department of Police

November 13, 1972

Honorable Common Council:

Subject: Request Permission to reimburse Patrolman Robert Mathis \$90 for personal property loss.

Gentlemen — In accordance with Common Council Resolution of February 7, 1961, and the City Controller Directive No. 23, the Detroit Police Department requests permission to reimburse Patrolman Robert Mathis \$90 for personal property loss.

On July 22, 1972 Patrolman Robert Mathis in company with his partner answered a radio run to assist another scout car. Upon arrival, the officers observed a large crowd gathering at the scene. Patrolman Mathis attempted to arrest one of the defendants, and at this time the defendant pulled the officer's Hamilton chromomatic wrist watch from his wrist and threw it into the crowd. A search was made but to no avail.

Inasmuch as the officer was performing police duties at the time of this incident, will you kindly authorize the department to reimburse Patrolman Robert Mathis \$90 to cover his loss.

Respectfully submitted,
STANLEY C. RICH,

Second Deputy Commissioner

Approved:
W. I. STECHER,
Controller

By Councilman Levin:

Resolved, That the Department of Police be and it is hereby authorized to pay the claim outlined in the above communication; and be it further

Resolved, That the Controller be and he is hereby authorized and directed to honor vouchers when presented in accordance with the foregoing communication.

Adopted as follows:

Yeas — Councilmen Eberhard, Henderson, Hood, Levin, Wierzbicki, and President Ravitz — 6.

Nays — None.

Department of Public Works

November 15, 1972.

Honorable Common Council:

Re: Petition No. 2274; Department of Parks & Recreation; Vacation of Brewster Street west of the Chrysler Freeway and the east-west alley west of the Chrysler Freeway between Brewster and Alfred.

Gentlemen — The above petition requests the vacation of the above described street and alley. The requested vacations were recommended by the City Plan Commission. The petition was then referred to us for investigation and report. Our report, accompanied by the original petition, is as follows:

The petitioner has requested that the paved returns at the entrance to Brewster and the alley to be vacated remain in their present status as the petitioner plans to utilize same, and has agreed by letter filed with the original petition to pay all costs incidental to the removal of same whenever the discontinuance of use makes such removal necessary.

An easement is reserved in the vacating resolution for the Michigan Consolidated Gas Company and the Detroit Metro Water Department for the maintenance of their installations located in Brewster Avenue to be vacated.

All other involved City departments and privately-owned utility companies reported that they have no objection to the proposed vacations or that they have reached satisfactory agreements with the petitioner regarding their installations therein.

An appropriate resolution is attached for consideration by your Honorable Body.

Respectfully submitted,
CLARENCE C. RUSSELL
Commissioner

By Councilman Hood:

Resolved, That all that part of the east-west public alley, 20 and 30 feet wide, in the block bounded by St. Antoine, the Chrysler Freeway, Alfred, and Brewster as platted abutting the rear line of lots 1 and 2 and the easterly 30 feet of lot 3 located on the south side of Brewster Avenue and abutting the rear line of lots 1 and 2 and the easterly 30 feet of lot 3 located on the north side of Alfred Street; and being the southerly 5 feet of the easterly 30 feet of lot 3 located on the south side of Brewster and being the northerly 5 feet of the easterly 30 feet of lot 3 located on the north side of Alfred Street as set aside for alley purposes on June 13, 1922, all inclusive of the Plat of the Subdivision of the Charles Moran Farm between Gratiot and Indiana Streets, City of Detroit, Wayne County, Michigan, as recorded in Liber 1, Page 254, Plats, Wayne County records;

Be and the same is hereby vacated as a public alley to become a part and parcel of the abutting property, and further

Resolved, That all that part of Brewster Avenue, 50 feet wide, between St. Antoine and the Chrysler Freeway abutting the southerly line

of lots 1 and 2 located on the north side of Brewster Avenue and abutting the northerly line of lots 1 and 2 located on the south side of Brewster Avenue as platted in the Plat of the Charles Moran Farm between Gratiot and Indiana Streets, as recorded in Liber 1, Page 254, Plats, Wayne County records,

Be and the same is hereby vacated as a public street and is hereby converted into an easement of the full width of the street for the Michigan Consolidated Gas Company and Detroit Metro Water Department, which easement shall be subject to the following covenant and agreement, uses, reservations and regulations, which shall be observed by the owners of the lots abutting on said street and by their heirs, executors, administrators and assigns, forever to wit:

Said owners hereby grant to and for the use of the Michigan Consolidated Gas Company and the Detroit Metro Water Department an easement or right of way over said vacated public street hereinabove described for the purposes of maintaining, installing, repairing, removing, or replacing public utilities such as water mains, gas lines or mains, or things usually placed or installed in a public street in the City of Detroit, with the right to ingress and egress at any time to and over said easement for the purpose above set forth.

Adopted as follows:

Yeas — Councilmen Eberhard, Henderson, Hood, Levin, Wierzbicki, and President Ravitz — 6.

Nays — None.

Department of Public Works

November 8, 1972.

Honorable Common Council:

Re: Demolition of Buildings; Group
CO 72-4; Contract PW-6230C;

Award of Contract.

Gentlemen — In response to published advertisements, six bids were received on October 31, 1972 for Contract PW-6230C, Demolition of City-Owned Buildings at the locations listed below.

2505 St. Jean

11235-45 E. Vernor.

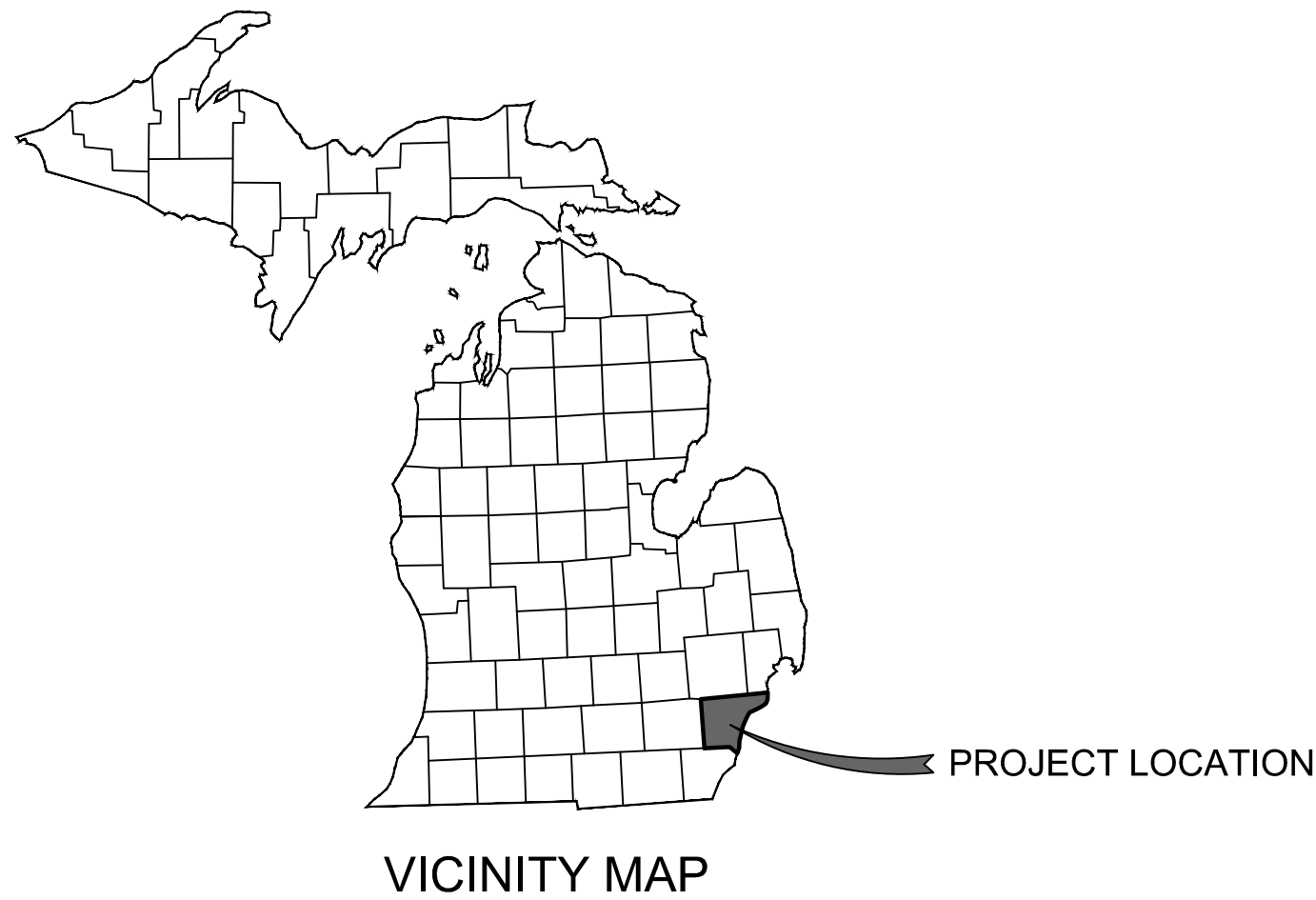
12800 14th Street.

4826 W. Warren.

Tabulation of the bids received is attached.

The low bid is regular in all respects and in accordance with the Contract requirements.

It is therefore recommended that the Contract be awarded to the Chick Reed Demolition & Excavating Co. in the amount of \$5,124.00. It is estimated that \$6,525.00 will be required, which includes the cost of design, advertising, field inspection, and minor changes in addition to the Contract price. An appropriation is



**BREWSTER WHEELER I LDHA, LLC
BREWSTER WHEELER II LDHA, LLC
BREWSTER WHEELER III LDHA, LLC
NEW HOUSING
631,651,671 ALFRED STREET
WAYNE COUNTY, MICHIGAN 48201**

INDEX OF SHEETS	
CS	COVER SHEET
ALTA	ALTA SURVEY
C0.2	REMOVALS PLAN
C1.0	OVERALL SITE PLAN
C1.1 - C1.3	SITE PLAN
C2.0	OVERALL GRADING, DRAINAGE, & SESC PLAN
C2.1 - C2.3	GRADING, DRAINAGE, & SESC PLAN
C2.4	CONTRIBUTING AREA PLAN
C3.0	SITE UTILITY PLAN
C3.1 - C3.3	STORM SEWER PLAN & PROFILE
C3.4	SANITARY SEWER PLAN & PROFILE
C4.0 - C4.7	X-SECTIONS, NOTES, AND DETAILS
L1.0	LANDSCAPE PLAN

Property Address: 2900 St. Antoine Street
City of Detroit, Michigan 48201

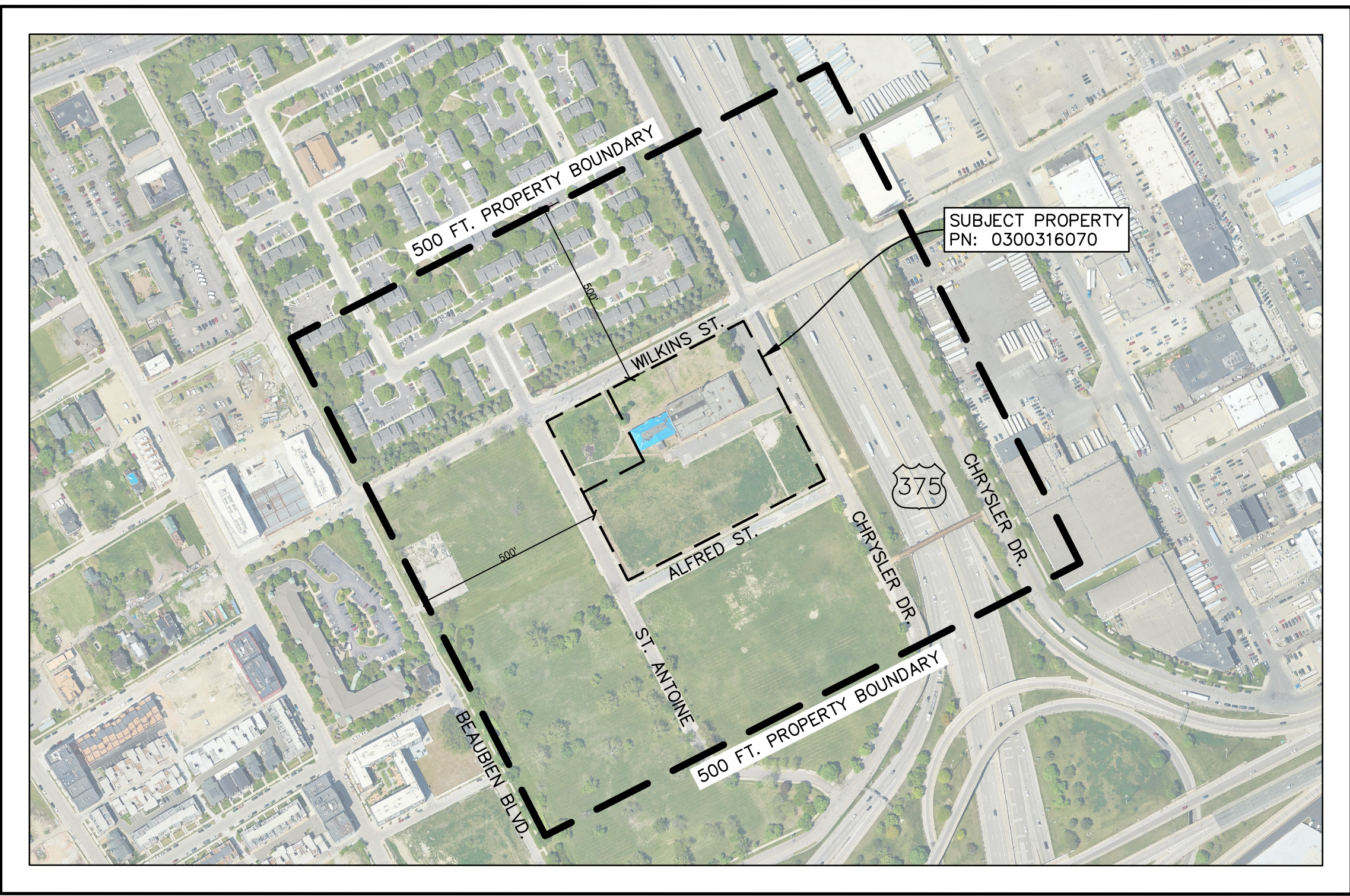
Parcel Number: 0300316070

Property Description:
THE LAND SITUATED IN THE COUNTY OF WAYNE, STATE OF MICHIGAN, IS DESCRIBED AS FOLLOWS:
LOTS 172 THROUGH 197 OF THE CRANE & WESSONS SUBDIVISION, AS RECORDED IN LIBER 1, PAGE 9 OF PLATS, WAYNE COUNTY RECORDS, ALSO NORTH ALFRED LOTS 1 THROUGH 7, SOUTH BREWSTER LOTS 1 THROUGH 7, NORTH BREWSTER LOTS 1 THROUGH 7, SOUTH WILKINS LOTS 1 THROUGH 7 AND VACATED BREWSTER AND ALLEYS ADJACENT C. MORAN FARM SUBDIVISION, AS RECORDED IN LIBER 1 PAGE 254 OF PLATS WAYNE COUNTY RECORDS.

Property Zoning: PD - Planned Development District / Brush Park FBC

Setbacks:
Front: 10 ft. min., 20 ft. max.
Side: 5 ft.
Rear: 20 ft.

Maximum Allowable
Building Height: xx ft.



OWNER

BREWSTER WHEELER I LDHA, LLC
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
PHONE: 248-833-0552

BREWSTER WHEELER II LDHA, LLC
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
PHONE: 248-833-0552

BREWSTER WHEELER III LDHA, LLC
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
PHONE: 248-833-0552

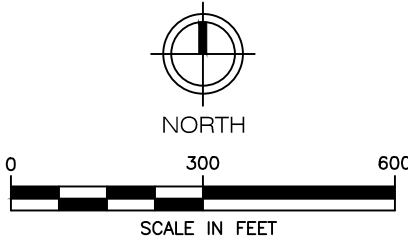


Know what's below.
Call before you dig.

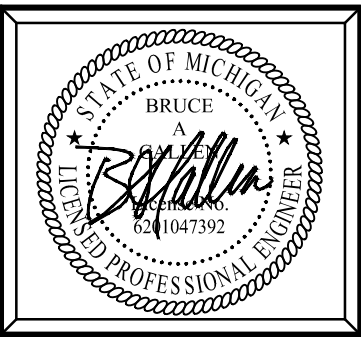
For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

- BENCH MARKS:**
- BM 1 NAIL IN NORTH SIDE OF POWER POLE AT THE SOUTHWEST CORNER OF ALFRED STREET AND CHRYSLER DRIVE.
Elevation: 619.92 ft. (NAVD 88)
- BM 2 ARROW ON HYDRANT NORTHWEST OF VEHICULAR APPROACH TO SITE.
Elevation: 622.09 ft. (NAVD 88)
- BM 3 ARROW ON HYDRANT AT SOUTH CENTER OF PROPERTY NORTH OF ALFRED STREET.
Elevation: 621.87 ft. (NAVD 88)

NEIGHBORHOOD MAP

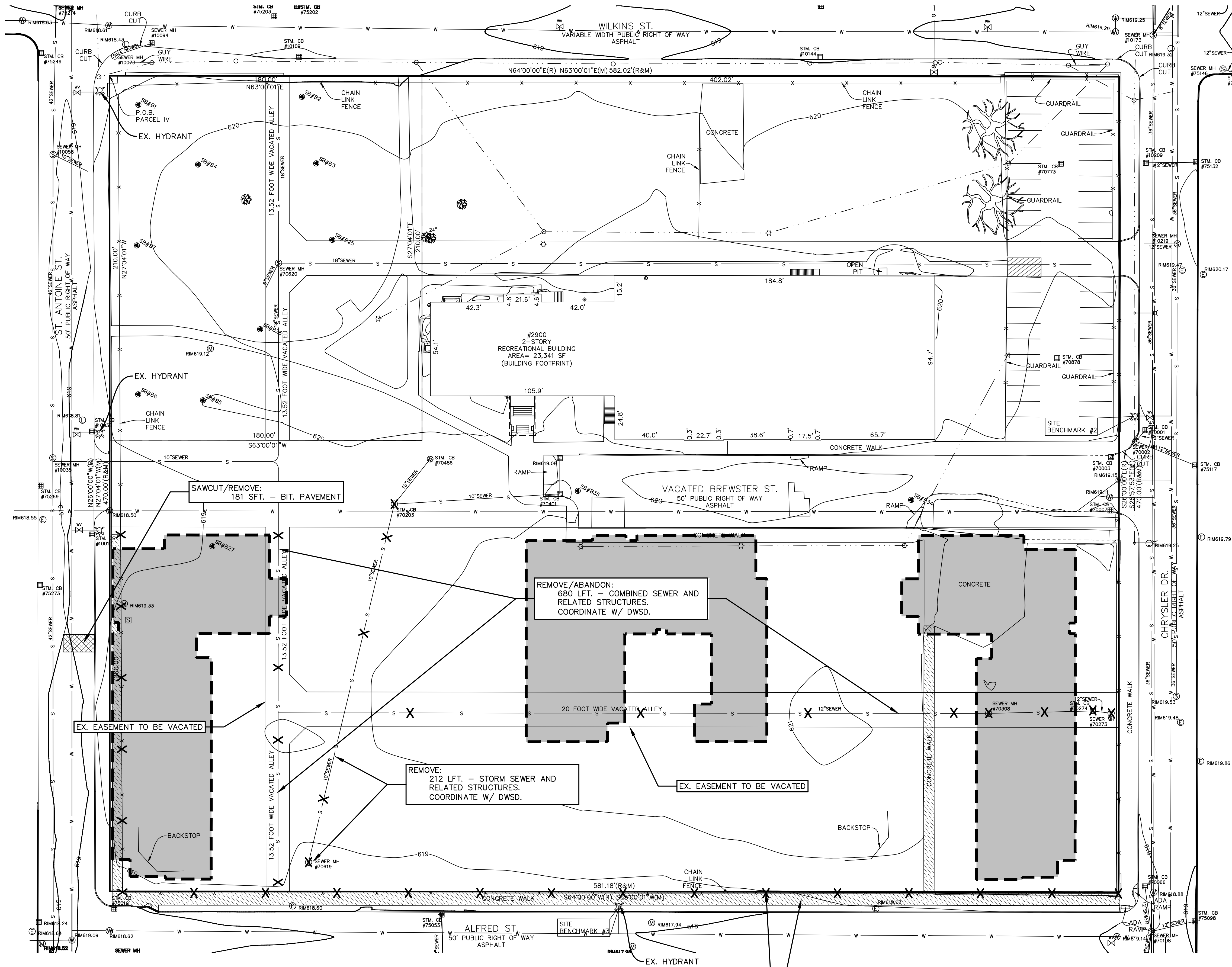


PRELIMINARY - NOT
FOR CONSTRUCTION



Plan Prepared By:
Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456
Tel: 616-414-5260
email: bcallen@callenengineering.com
DATE OF PLAN: 08-01-25

ISSUANCES	
90% CD'S	11-22-24
BUILDING PERMIT	12-06-24
SITE PLAN REVIEW RESPONSE #1	03-31-25
SITE PLAN REVIEW RESPONSE #2	08-01-25
REVISIONS	
DESIGNED BY:	
callen civil engineers	
Callen Engineering, Inc. 108 East Savidge Street Spring Lake, MI 49456 T.616.414.5260 www.callenengineering.com	
Drawn by Engineer	J.W.C. B.A.C. Check A.J.B.
Callen Engineering Project No.	
023 - BREWSTER - PHASE 1-3	
Sheet No. CS	



PUBLIC UTILITY REMOVALS QUANTITIES THIS SHEET			
ITEM DESCRIPTION	UNIT	QUANTITY	FINAL QUANTITY
COMBINED SEWER	LFT	680	
8 INCH STORM SEWER	LFT	212	
COMBINED SEWER STRUCTURE	EA	3	
STORM STRUCTURE	EA	2	

SAWCUT/REMOVE:
6,628 SFT. - CONC. SIDEWALK

REMOVE:
EX. FENCE TO BE REMOVED
AFTER CONSTRUCTION
1 EA. - TREE & STUMP

DEMOLITION NOTES

ALL MATERIAL THAT IS NOT SUITABLE AS BACKFILL AND MATERIALS THAT ARE EXCESS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

ALL AREAS OF UNDERGROUND DEMOLITION, UTILITY LINE REMOVAL, AND UNDERGROUND TREE, STUMP, AND VEGETATION REMOVAL SHALL BE BACKFILLED.

BACKFILLING SHALL PROMPTLY FOLLOW UNDERGROUND DEMOLITION OR REMOVAL WORK AND SHALL CONTINUE AS THE DEMOLITION PROGRESSES.

CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING FOR AND OBTAINING ALL NECESSARY DEMOLITION PERMITS AND PAYING FOR ANY ASSOCIATED PERMIT FEES.

NOTIFY ARCHITECT/ENGINEER OF ANY OTHER UNDERGROUND MATERIALS OR EQUIPMENT ENCOUNTERED DURING EXCAVATION NOT SPECIFICALLY NOTED ON THE DRAWING(S).

PRIVATE UTILITY REMOVAL - CONTRACTOR TO COORDINATE PRIVATE UTILITY (GAS, ELECTRIC, PHONE, CABLE, ETC.) REMOVAL WITH APPROPRIATE AUTHORITY. ALTHOUGH ALL PRIVATE UTILITY SERVICES MAY NOT BE SHOWN ON THIS DRAWING, CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF SERVICE AS NECESSARY.

PUBLIC UTILITY REMOVAL - CONTRACTOR TO COORDINATE PUBLIC UTILITY (WATER, SEWER, STORM) REMOVAL WITH APPROPRIATE UTILITY COMPANY. ALTHOUGH ALL PUBLIC UTILITY SERVICES MAY NOT BE SHOWN ON THIS DRAWING, CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF SERVICE AS NECESSARY.

WHERE CURBING OR PAVEMENT IS INDICATED TO BE REMOVED, IT SHALL BE SAWCUT FULL DEPTH, REMOVE TO THE NEAREST JOINT, IF THE JOINT IS WITHIN 3 FEET OF THE REMOVAL LINE. VERIFY REMOVAL LIMITS WITH ENGINEER PRIOR TO BEGINNING WORK.

Property Address: 2900 St. Antoine Street
City of Detroit, Michigan 48201

Parcel Number: 0300316070

Property Description:

THE LAND SITUATED IN THE COUNTY OF WAYNE, STATE OF MICHIGAN, IS DESCRIBED AS FOLLOWS:

LOTS 172 THROUGH 197 OF THE CRANE & WESSONS SUBDIVISION, AS RECORDED IN LIBER 1, PAGE 9 OF PLATS, WAYNE COUNTY RECORDS, ALSO NORTH ALFRED LOTS 1 THROUGH 7, SOUTH BREWSTER LOTS 1 THROUGH 7, NORTH BREWSTER LOTS 1 THROUGH 7, SOUTH WILKINS LOTS 1 THROUGH 7 AND VACATED BREWSTER AND ALLEYS ADJACENT C. MORAN FARM SUBDIVISION, AS RECORDED IN LIBER 1 PAGE 254 OF PLATS WAYNE COUNTY RECORDS.

Property Zoning: PD - Planned Development District / Brush Park FBC

Setbacks:

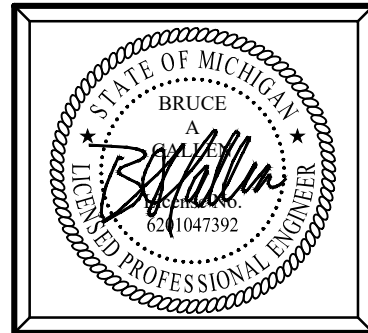
Front: 10 ft. min., 20 ft. max.
Side: 5 ft.
Rear: 20 ft.

Maximum Allowable
Building Height: xx ft.

REMOVALS LEGEND

- PROPOSED BUILDING FOOTPRINT
- PAVEMENT REMOVAL AREA
- CONCRETE REMOVAL AREA
- REMOVAL ITEM

PRELIMINARY - NOT
FOR CONSTRUCTION



Plan Prepared By:

Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456

Tel: 616-414-5260

email: bcallen@callenengineering.com



For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

DATE OF PLAN: 08-01-25

Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T: 616-414-5260
www.callenengineering.com



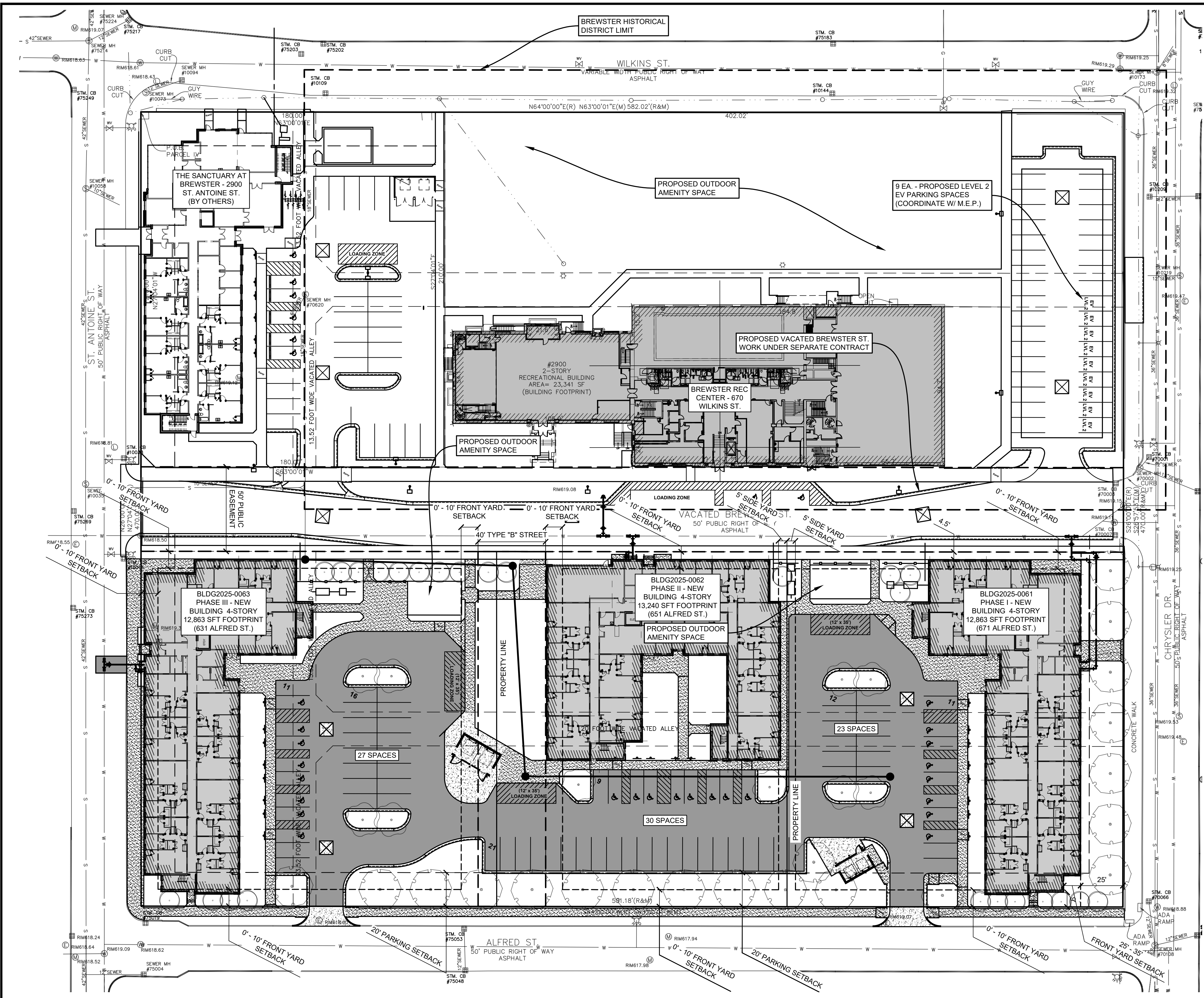
MHT HOUSING, INC.
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
248-833-0552

NO.	DATE	BY	ISSUANCE / REVISION
1	11-22-24	B.A.C.	SITE CDS
2	12-06-24	B.A.C.	BUILDING PERMIT
3	03-31-25	B.A.C.	SITE PLAN REVIEW RESPONSE #1
4	08-01-25	B.A.C.	SITE PLAN REVIEW RESPONSE #2

BREWSTER PHASE 1-3
631.651.671 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN

EXISTING CONDITIONS & REMOVALS PLAN

DRAWN BY J.W.C.	DATE SEP '24
ENGINEER B.A.C.	DATE SEP '24
EDIT J.W.C.	DATE AUG '25
SCALE DRAWING AS NOTED	SCALE PILOT SCALE 1:1
PROJECT 023 BREWSTER SANCTUARY	SHEET NO. C0.1



PROPOSED FEATURES LEGEND

- NEW LIGHT DUTY CONCRETE SIDEWALK AREA
- NEW 8" HEAVY DUTY CONCRETE PAVEMENT AREA
- NEW HMA PAVEMENT AREA

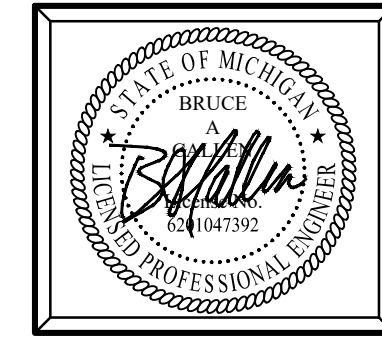
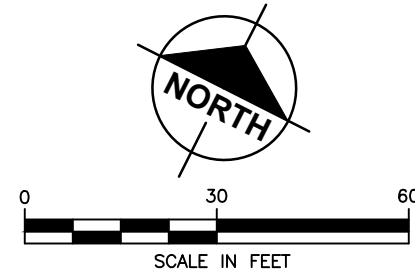
GENERAL NOTES

- PROJECT INCLUDES CONSTRUCTION OF THREE (3) NEW FOUR (4) STORY RESIDENTIAL BUILDINGS WITH 159 TOTAL RESIDENTIAL UNITS. RELATED IMPROVEMENTS INCLUDE PARKING, LANDSCAPING, SIGNAGE, LIGHTING, UTILITIES, AND STORM WATER DRAINAGE FACILITIES.
- THE DEVELOPMENT SHALL BE SERVED BY PUBLIC WATER MAIN AND PUBLIC SANITARY SEWER.
- ACCESS TO THE DEVELOPMENT SHALL BE VIA TWO (2) PROP. CURBCUTS ONTO ALFRED ST.
- ALL WORK IN THE CITY RIGHTS-OF-WAY SHALL BE IN ACCORDANCE WITH CITY OF DETROIT DPW STANDARDS.
- STORM WATER SHALL BE DETAINED ON SITE, MEETING THE REQUIREMENTS OF THE CITY OF DETROIT GUIDELINES FOR STORM WATER MANAGEMENT.
- PARKING AND DRIVE AREAS SHALL BE PAVED WITH BITUMINOUS AND CONCRETE PAVEMENTS.
- PARKING:
MULTI-FAMILY DWELLING:
REQUIRED: 0.75 PARKING SPACES PER DWELLING UNIT.

DWELLING UNITS = 159 UNITS
0.75 * 159 = 120 SPACES

120 SPACES

PROVIDED: TOTAL = 80 SPACES, INCLUDING TWENTY FOUR (24) BARRIER FREE SPACES.
- ALL PAVEMENT MARKINGS AND SIGNS SHALL CONFORM TO THE STANDARDS SET FORTH IN THE CURRENT EDITION OF THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- PROPOSED SITE LIGHTING SHALL BE A COMBINATION OF PROPOSED WALL & POLE-MOUNTED FIXTURES, DIRECTED TO INHIBIT LIGHTING BEYOND PROPERTY LIMITS, MEETING THE REQUIREMENTS OF APPLICABLE SECTIONS OF THE CITY OF DETROIT ZONING ORDINANCE.
- LANDSCAPING AND SCREENING SHALL MEET THE INTENT OF THE CITY OF DETROIT ZONING ORDINANCE.
- THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT. THE WORK SHALL BE PERFORMED IN COMPLETE CONFORMANCE WITH THE CURRENT DWSD STANDARD SPECIFICATIONS AND DETAILS.
- ALL DAMAGED PUBLIC SIDEWALKS ADJACENT TO THE PROPERTY SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH DPW STANDARDS.



Plan Prepared By:
Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456
Tel: 616-414-5260
email: bcallen@callenengineering.com

PRELIMINARY - NOT
FOR CONSTRUCTION

For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

DATE OF PLAN: 06-23-25

Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T. 616.414.5260
www.callenengineering.com

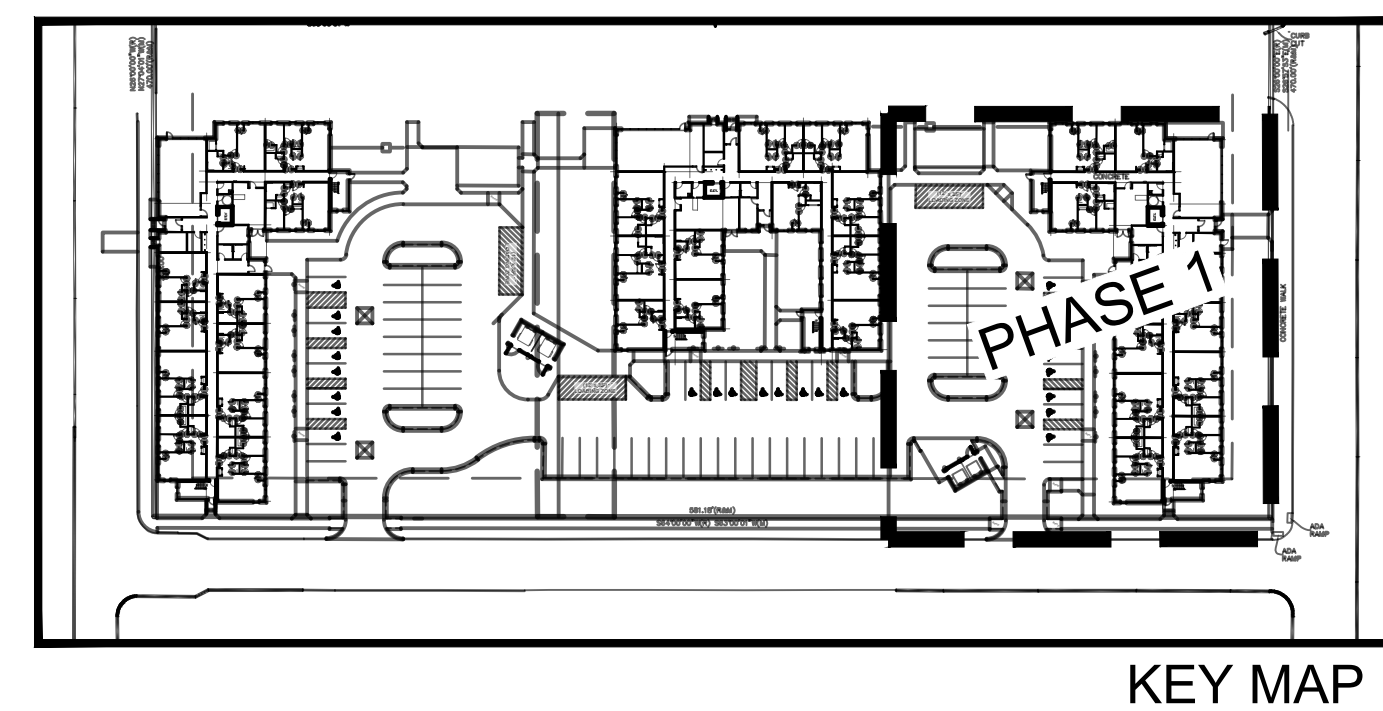


MHT HOUSING, INC.
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
248-833-0552

NO.	DATE	BY	ISSUANCE / REVISION
1	11-22-24	B.A.C.	90% CDS
2	12-02-24	B.A.C.	BUILDING PERMIT
3	03-31-25	B.A.C.	SITE PLAN REVIEW RESPONSE #1
4	06-23-25	B.A.C.	ADDENDUM #1

BREWSTER PHASE 1-3
631.651.671 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN
OVERALL SITE LAYOUT PLAN

DRAWN BY J.W.C.	DATE SEP '24
ENGINEER B.A.C.	DATE SEP '24
EDIT J.W.C.	DATE JUN '25
SCALE DRAWING AS NOTED	SCALE PLOT SCALE 1:1
PROJECT 023 BREWSTER SANCTUARY	SHEET NO. C1.0



callen
civil engineers

Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T 616.641.4526
www.callenengineering.com

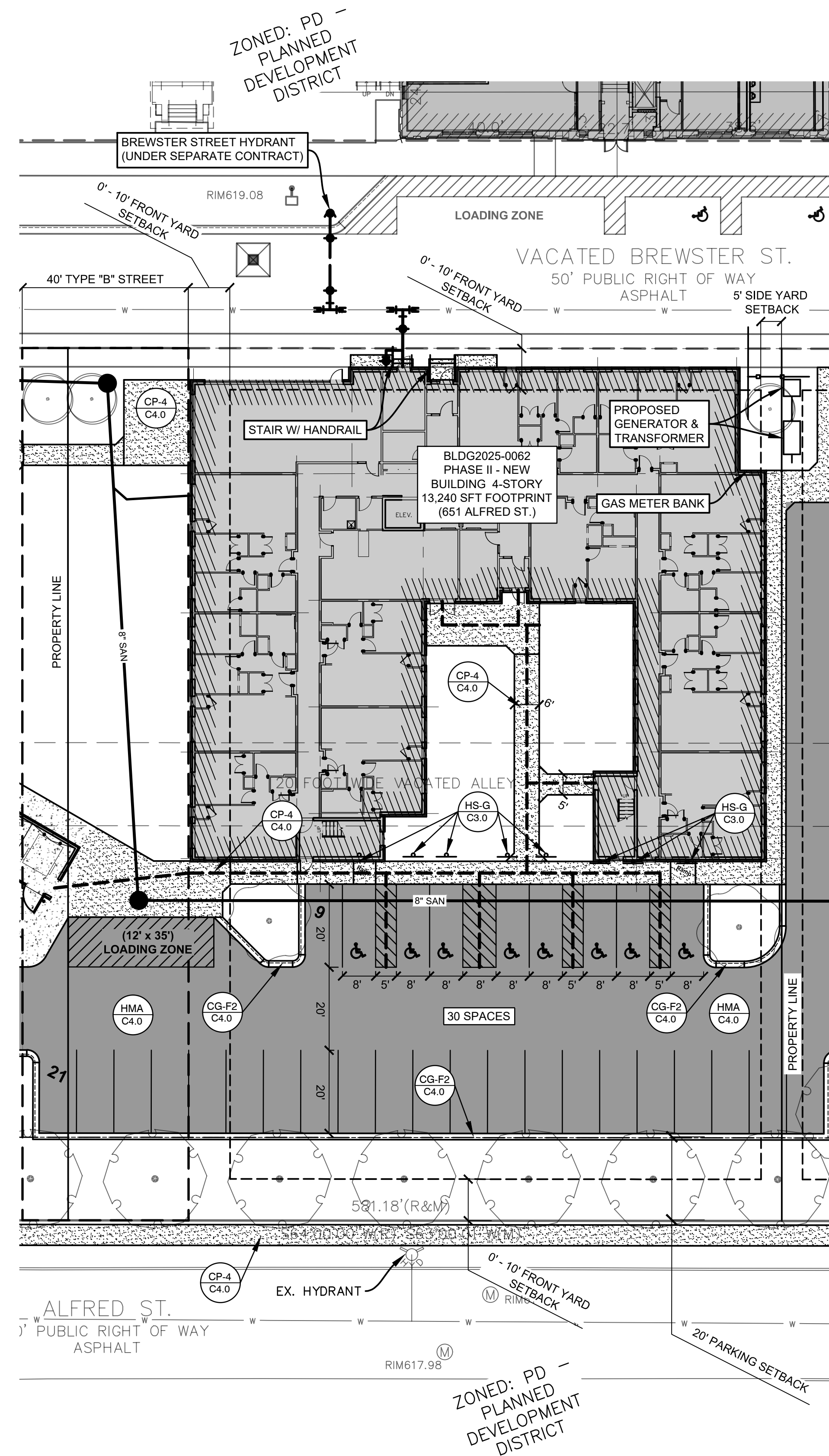
NO.	ISSUANCE / REVISION	BY	DATE
4.	BUILDING PERMIT	B.A.C.	12-08-24
5.	SITE PLAN REVIEW RESPONSE #1	B.A.C.	03-31-25
6.	ADDENDUM #4	B.A.C.	06-23-25
7.	SITE PLAN REVIEW RESPONSE #2	B.A.C.	08-01-25

DRAWN BY J.W.C.	DATE SEP '24
ENGINEER B.A.C.	DATE SEP '24
EDIT J.W.C.	DATE AUG '25
SCALE	
DRAWING	PLOT SCALE
AS NOTED	1:1
PROJECT 023 BREWSTER SANCTUARY	
SHEET NO.	
C1.1	



For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

DATE OF PLAN: 08-01-25

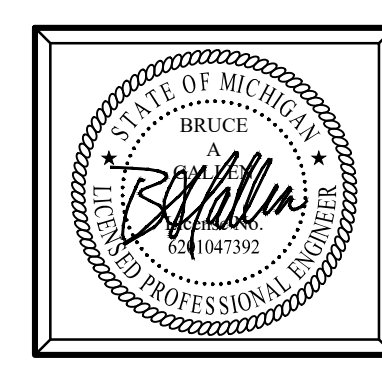
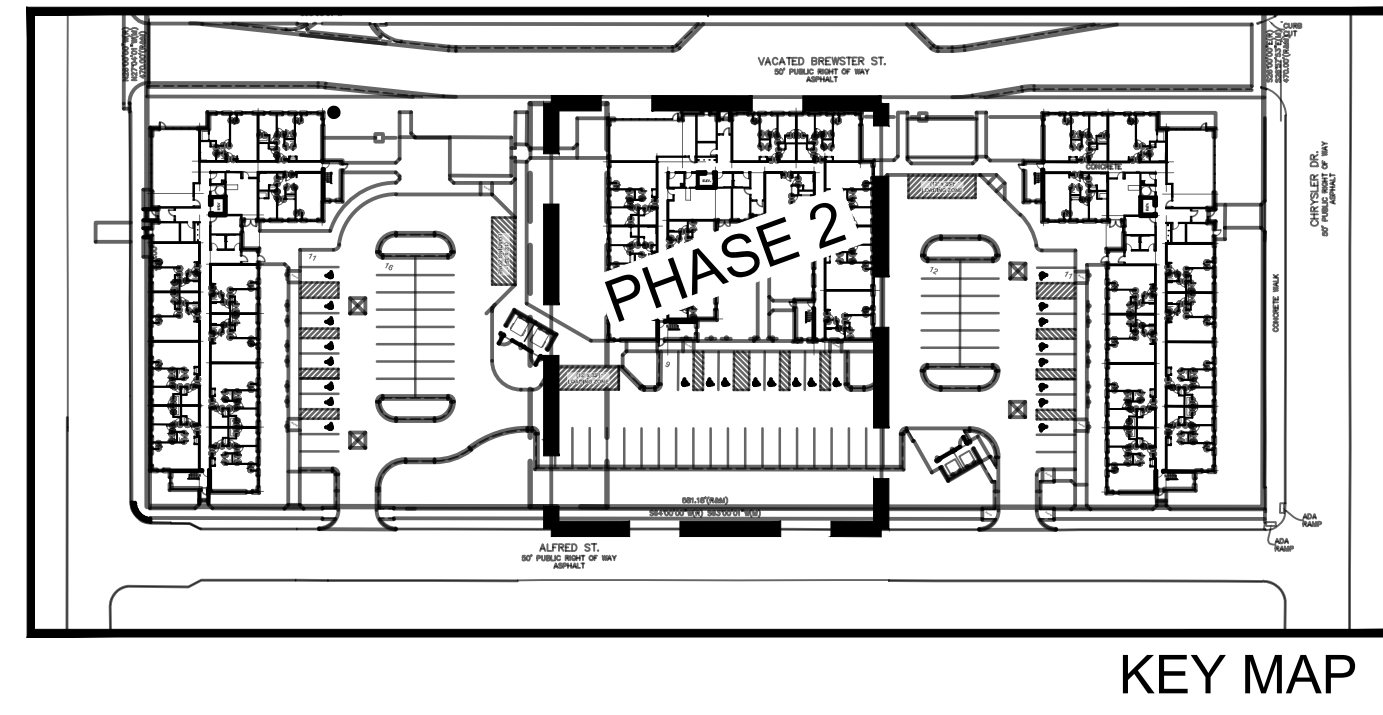


PROPOSED FEATURES LEGEND

- NEW LIGHT DUTY CONCRETE SIDEWALK AREA
- NEW 8" HEAVY DUTY CONCRETE PAVEMENT AREA
- ACCESSIBLE ROUTE
- NEW HMA PAVEMENT AREA

0 20 40
SCALE IN FEET

811
Know what's below.
Call before you dig.



Plan Prepared By:
Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456
Tel: 616-414-5260
email: bcallen@callenengineering.com

PRELIMINARY - NOT FOR CONSTRUCTION

For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

DATE OF PLAN: 08-01-25

NO.	ISSUANCE / REVISION	BY	DATE
4	BUILDING PERMIT	B.A.C.	12-06-24
5	SITE PLAN REVIEW RESPONSE #1	B.A.C.	03-31-25
6	ADDENDUM #1	B.A.C.	06-22-25
7	SITE PLAN REVIEW RESPONSE #2	B.A.C.	08-01-25

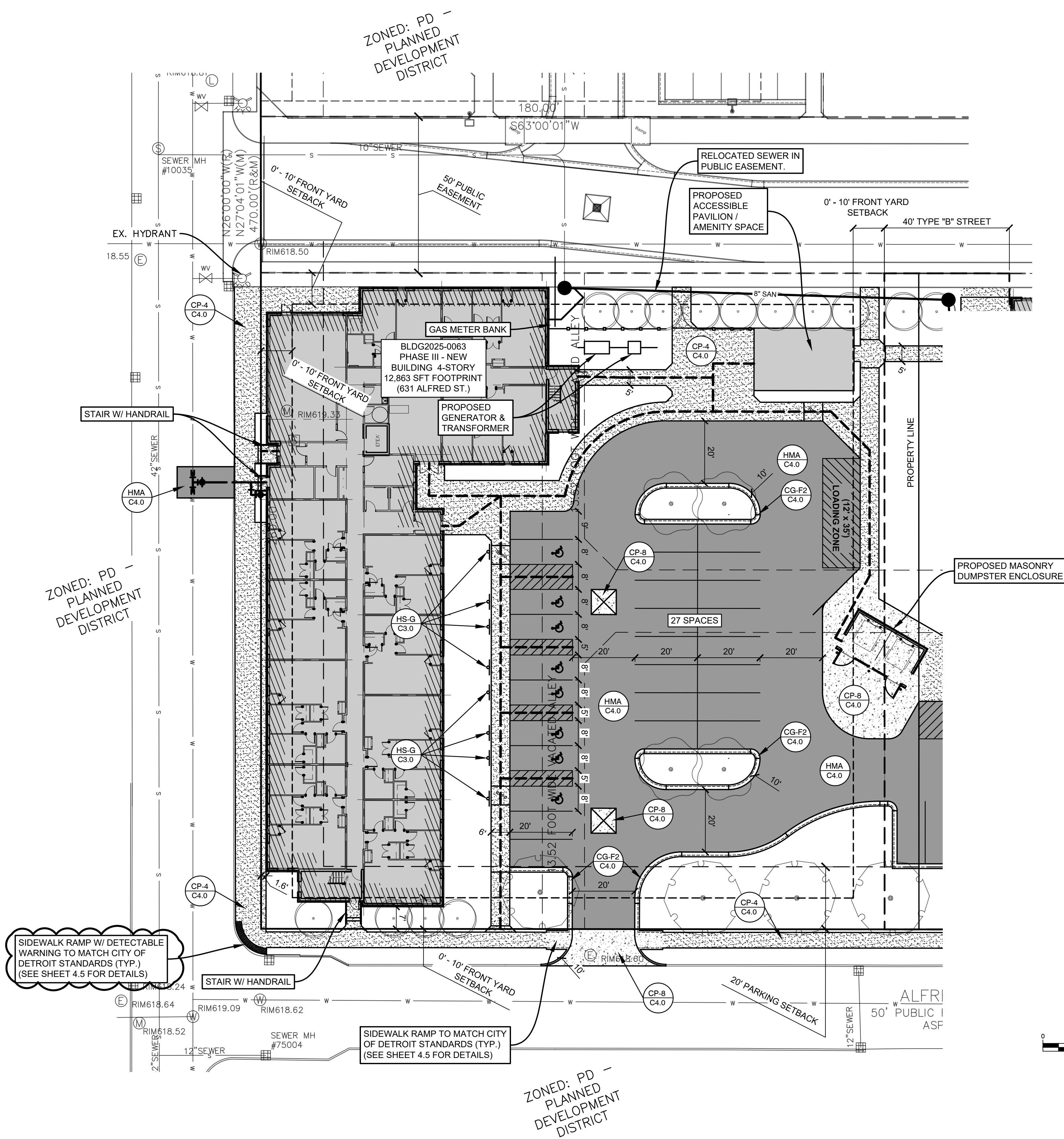
BREWSTER II LDHA, LLC
651 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN
PHASE 2 SITE LAYOUT PLAN

DRAWN BY J.W.C.	DATE SEP '24
ENGINEER B.A.C.	DATE SEP '24
EDIT J.W.C.	DATE AUG '25
SCALE DRAWING AS NOTED	PILOT SCALE 1:1
PROJECT 023 BREWSTER SANCTUARY	SHEET NO. C1.2

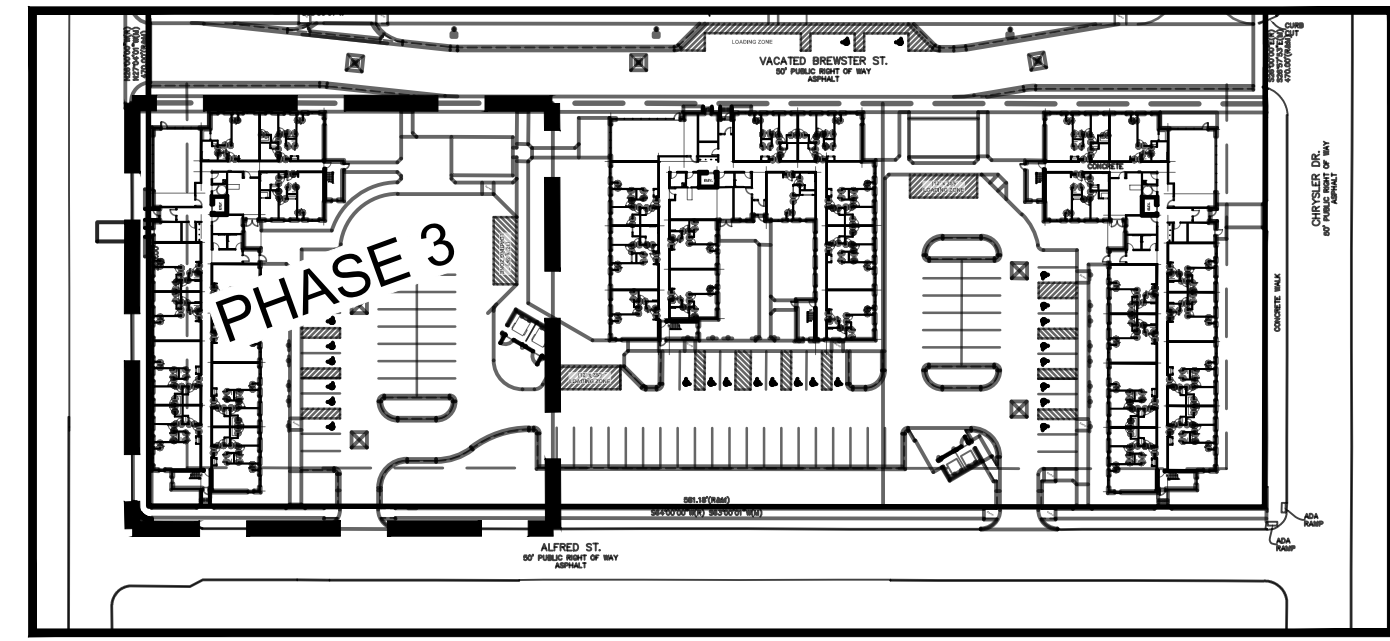
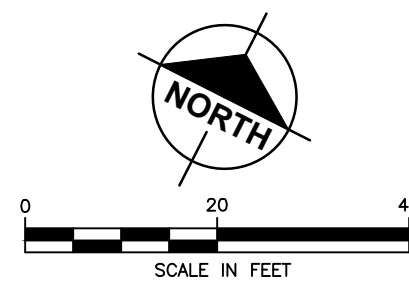
MHT HOUSING, INC.
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
248-833-0552

Callen
civil engineers

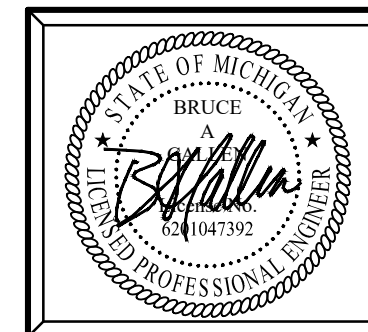
Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T.616.414.5260
www.callenengineering.com



- PROPOSED FEATURES LEGEND
- NEW LIGHT DUTY CONCRETE SIDEWALK AREA
 - NEW 8" HEAVY DUTY CONCRETE PAVEMENT AREA
 - NEW HMA PAVEMENT AREA
 - ACCESSIBLE ROUTE



KEY MAP



Plan Prepared By:
Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456
Tel: 616-414-5260
email: bcallen@callenengineering.com

PRELIMINARY - NOT
FOR CONSTRUCTION



For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

DATE OF PLAN: 08-01-25

MHT HOUSING, INC.
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
248-833-0552

BREWSTER III LDHA, LLC
631 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN
PHASE 3 SITE LAYOUT PLAN

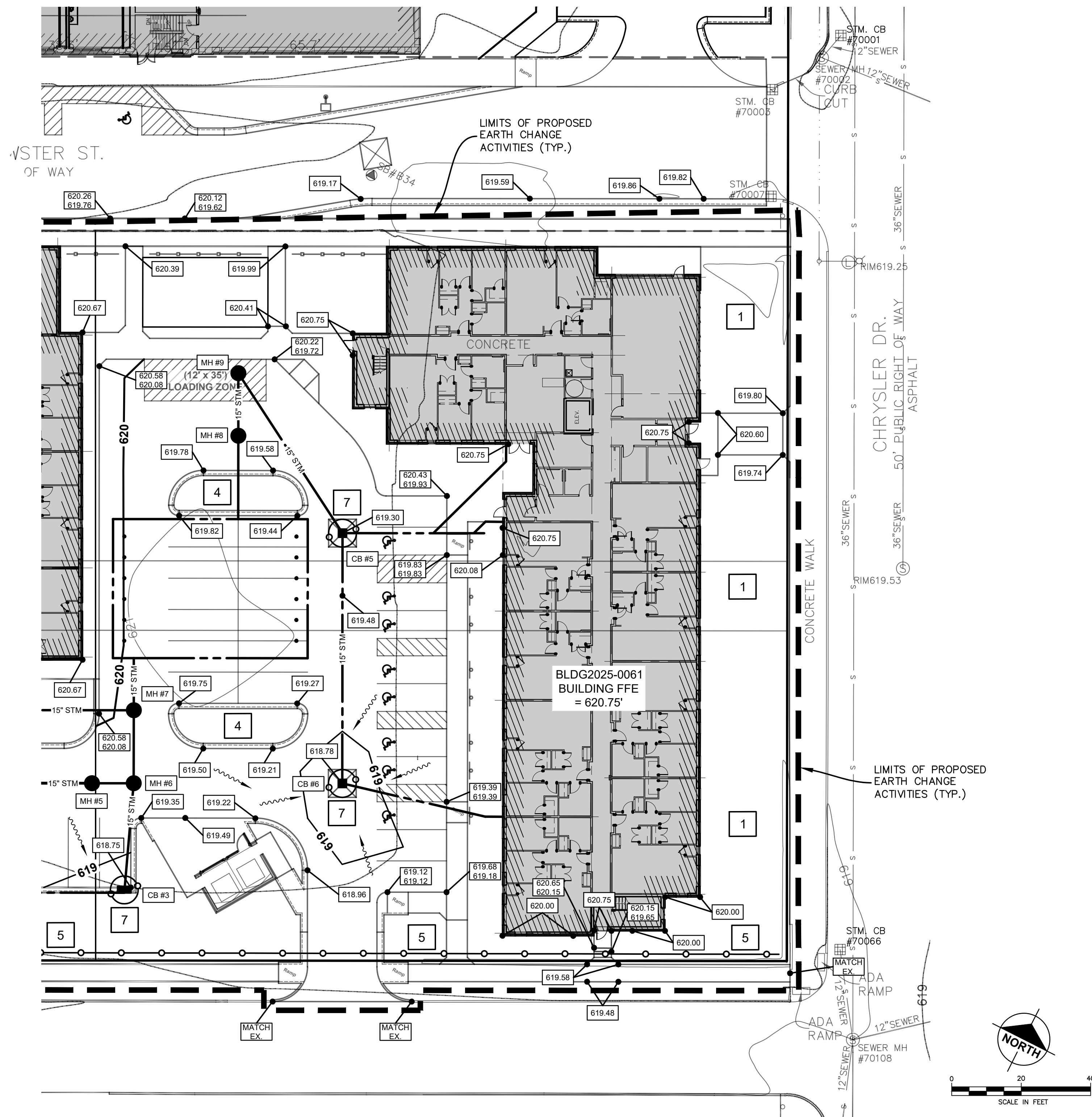
DRAWN BY	DATE
J.W.C.	SEP '24
ENGINEER	DATE
B.A.C.	SEP '24
EDIT	DATE
J.W.C.	AUG '25
SCALE	
DRAWING	PILOT SCALE
AS NOTED	1:1
PROJECT	023 BREWSTER SANCTUARY
SHEET NO.	C1.3

NO.	ISSUANCE / REVISION	BY	DATE
4	BUILDING PERMIT	B.A.C.	12-06-24
5	SITE PLAN REVIEW RESPONSE #1	B.A.C.	03-31-25
6	ADDENDUM #4	B.A.C.	06-22-25
7	SITE PLAN REVIEW RESPONSE #2	B.A.C.	08-01-25

REVISED IN ACCORDANCE WITH CONSTRUCTION RECORDS

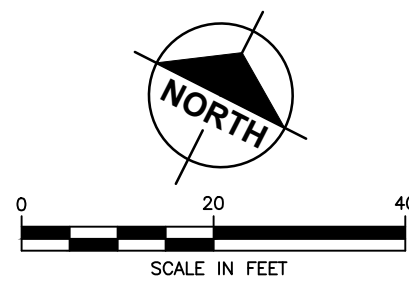
Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T.616.414.5260
www.callenengineering.com

callen
civil engineers



EROSION CONTROL MEASURES			
KEY	SESC MEASURE	SYMBOL	WHERE USED
1	Seeding		When bare soil is exposed, temporarily or permanently, to erosive forces from wind and or water on flat areas, mild slopes, grassed waterways and spillways, diversion ditches and dikes, borrow and stockpile areas, and spoil piles.
2	Mulch		On flat areas, slopes, grassed waterways and spillways, diversion ditches and dikes, borrow and stockpile areas, and spoil piles when areas are subject to raindrop impact, and erosive forces from wind or water.
4	Trees, Shrubs, Vines and Ground Cover		When bare soil or recently vegetated slopes are exposed to erosive forces from wind and/or water.
5	Perimeter Sediment Control Measures (Silt Fence, Straw Wattles, etc.)		As a temporary measure used to capture sediment from sheet flow. May also divert small volumes of sheet flow to protected outlets.
7	Storm Drain Inlet Protection		Around the entrance to a catch basin or an inlet that will capture runoff from an earth change activity.
28	Stone Construction Access		At locations where construction equipment will enter and exit the drain easement and tracking of soil is anticipated.

*SESC MEASURES SHALL COMPLY WITH MICHIGAN ASSOCIATION OF COUNTY DRAIN COMMISSIONERS SESC MANUAL SPECIFICATIONS

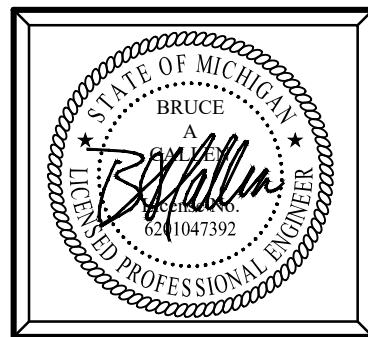


- BENCH MARKS:**
- BM 1 NAIL IN NORTH SIDE OF POWER POLE AT THE SOUTHWEST CORNER OF ALFRED STREET AND CHRYSLER DRIVE.
Elevation: 619.92 ft. (NAVD 88)
- BM 2 ARROW ON HYDRANT NORTHWEST OF VEHICULAR APPROACH TO SITE.
Elevation: 622.09 ft. (NAVD 88)
- BM 3 ARROW ON HYDRANT AT SOUTH CENTER OF PROPERTY NORTH OF ALFRED STREET.
Elevation: 621.87 ft. (NAVD 88)

- SILT FENCE
- PROPOSED SPOT ELEVATION
- DRAINAGE FLOW DIRECTION
- EX. SPOT ELEVATION

SUBSURFACE CONDITIONS

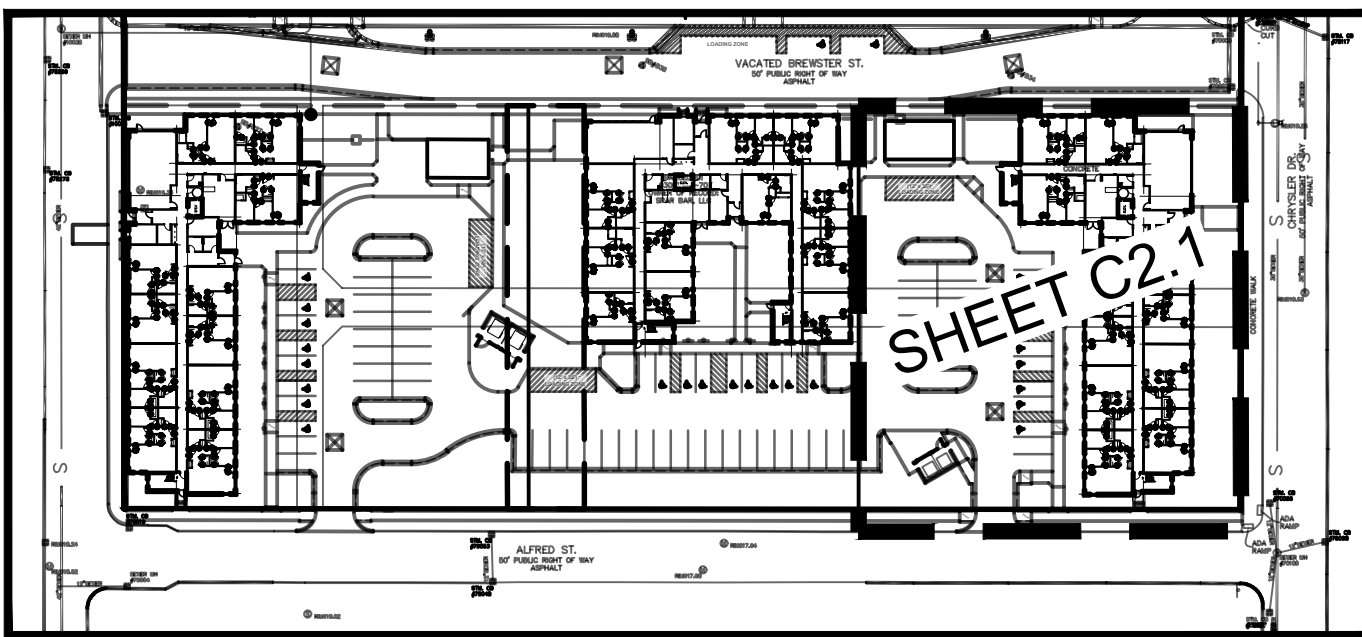
Contractor(s) shall familiarize themselves with the information and findings presented in the Geotechnical Evaluation Report prepared by SME dated Apr. 28, 2023.
SME Project No. 092556.00



Plan Prepared By:
Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456
Tel: 616-414-5260
email: bcallen@callenengineering.com

For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

DATE OF PLAN: 08-01-25



KEY MAP

Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T.616.414.5260
www.callenengineering.com

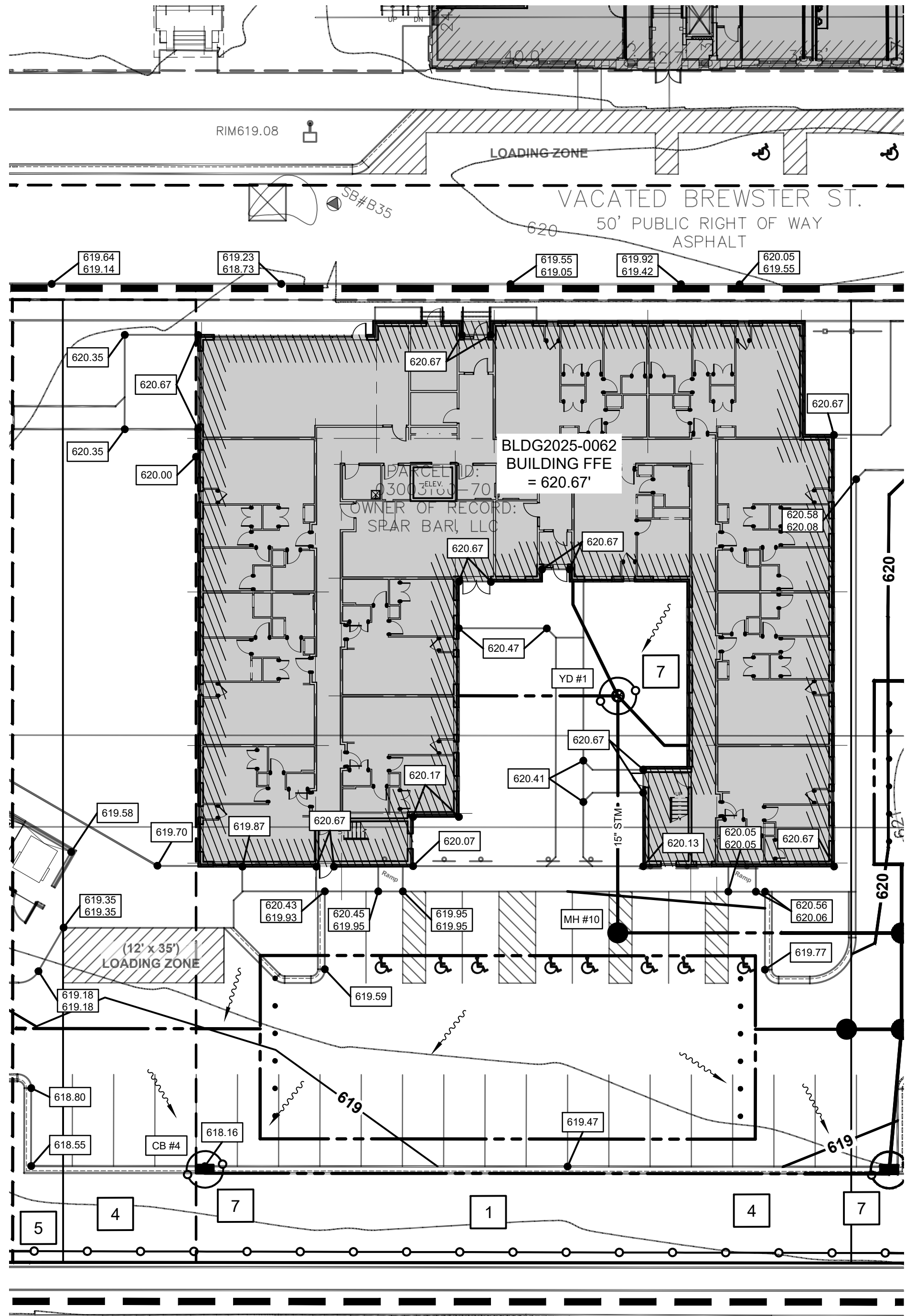
callen
civil engineers

MHT HOUSING, INC.
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
248-833-0552

NO.	ISSUANCE / REVISION	BY	DATE
1	DATE		11-22-24
2	B.A.C.		12-06-24
3	BUILDING PERMIT		03-31-25
4	SITE PLAN REVIEW RESPONSE #1		08-01-25
5	SITE PLAN REVIEW RESPONSE #2		

BREWSTER ILDHA, LLC
671 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN
GRADING, DRAINAGE, AND SESC PLAN

DRAWN BY	DATE
J.W.C.	SEP '24
ENGINEER	DATE
B.A.C.	SEP '24
EDIT	DATE
J.W.C.	AUG '25
SCALE	
DRAWING	PILOT SCALE
AS NOTED	1:1
PROJECT	023 BREWSTER SANCTUARY
SHEET NO.	C2.1



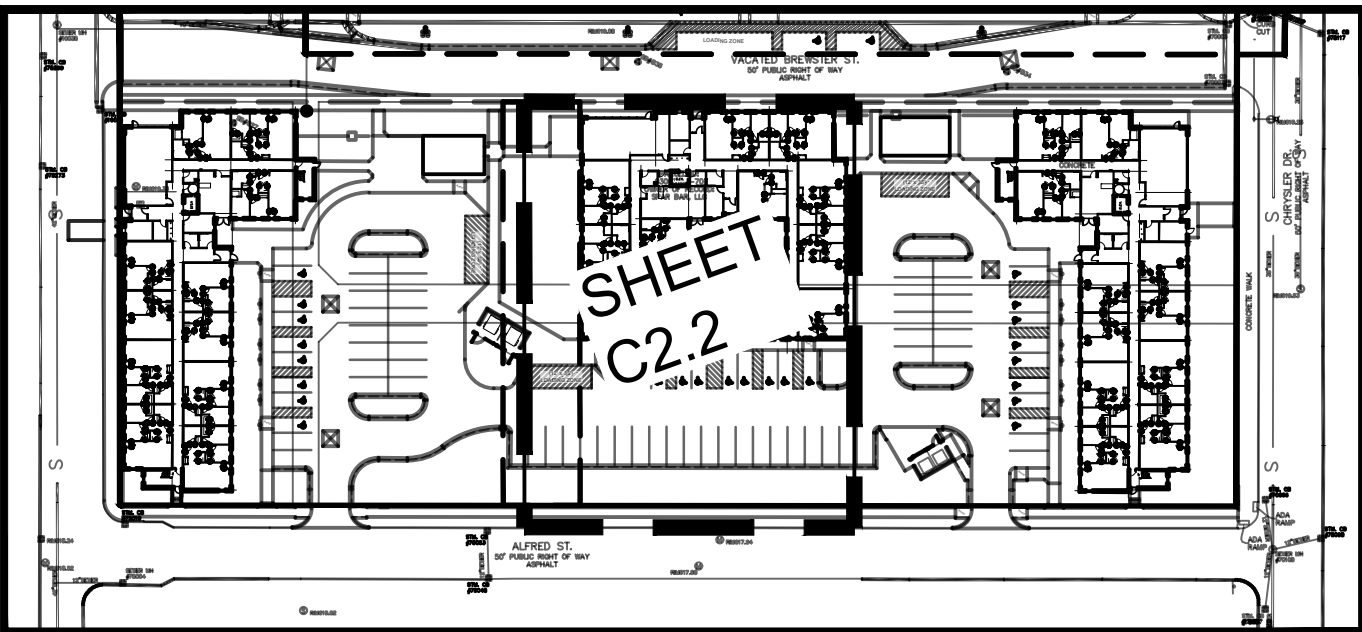
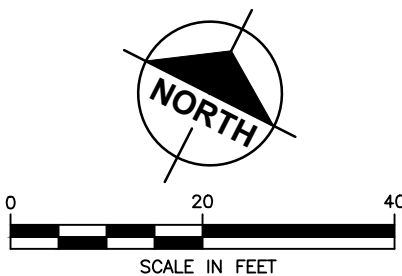
ALFRED ST.
50' PUBLIC RIGHT OF WAY
ASPHALT

- Legend symbols:
- SILT FENCE
 - PROPOSED SPOT ELEVATION
 - DRAINAGE FLOW DIRECTION
 - EX. SPOT ELEVATION

- BENCH MARKS:**
- BM 1 NAIL IN NORTH SIDE OF POWER POLE AT THE SOUTHWEST CORNER OF ALFRED STREET AND CHRYSLER DRIVE.
Elevation: 619.92 ft. (NAVD 88)
 - BM 2 ARROW ON HYDRANT NORTHWEST OF VEHICULAR APPROACH TO SITE.
Elevation: 622.09 ft. (NAVD 88)
 - BM 3 ARROW ON HYDRANT AT SOUTH CENTER OF PROPERTY NORTH OF ALFRED STREET.
Elevation: 621.87 ft. (NAVD 88)

EROSION CONTROL MEASURES			
KEY	SESC MEASURE	SYMBOL	WHERE USED
1	Seeding		When bare soil is exposed, temporarily or permanently, to erosive forces from wind and/or water on flat areas, mild slopes, grassed waterways and spillways, diversion ditches and dikes, borrow and stockpile areas, and spoil piles.
2	Mulch		On flat areas, slopes, grassed waterways and spillways, diversion ditches and dikes, borrow and stockpile areas, and spoil piles when areas are subject to raindrop impact, and erosive forces from wind or water.
4	Trees, Shrubs, Vines and Ground Cover		When bare soil or recently vegetated slopes are exposed to erosive forces from wind and/or water.
5	Perimeter Sediment Control Measures (Silt Fence, Straw Wattles, etc.)		As a temporary measure used to capture sediment from sheet flow. May also divert small volumes of sheet flow to protected outlets.
7	Storm Drain Inlet Protection		Around the entrance to a catch basin or an inlet that will capture runoff from an earth change activity.
28	Stone Construction Access		At locations where construction equipment will enter and exit the drain easement and tracking of soil is anticipated.

*SESC MEASURES SHALL COMPLY WITH MICHIGAN ASSOCIATION OF COUNTY DRAIN COMMISSIONERS SESC MANUAL SPECIFICATIONS

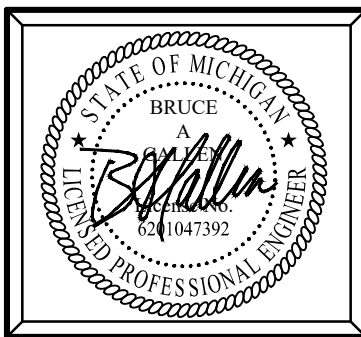


KEY MAP



SUBSURFACE CONDITIONS

Contractor(s) shall familiarize themselves with the information and findings presented in the Geotechnical Evaluation Report prepared by SME dated Apr. 28, 2023.
SME Project No. 092556.00



Plan Prepared By:
Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456
Tel: 616-414-5260
email: bcallen@callenengineering.com

For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

DATE OF PLAN: 08-01-25

Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T.616.414.5260
www.callenengineering.com

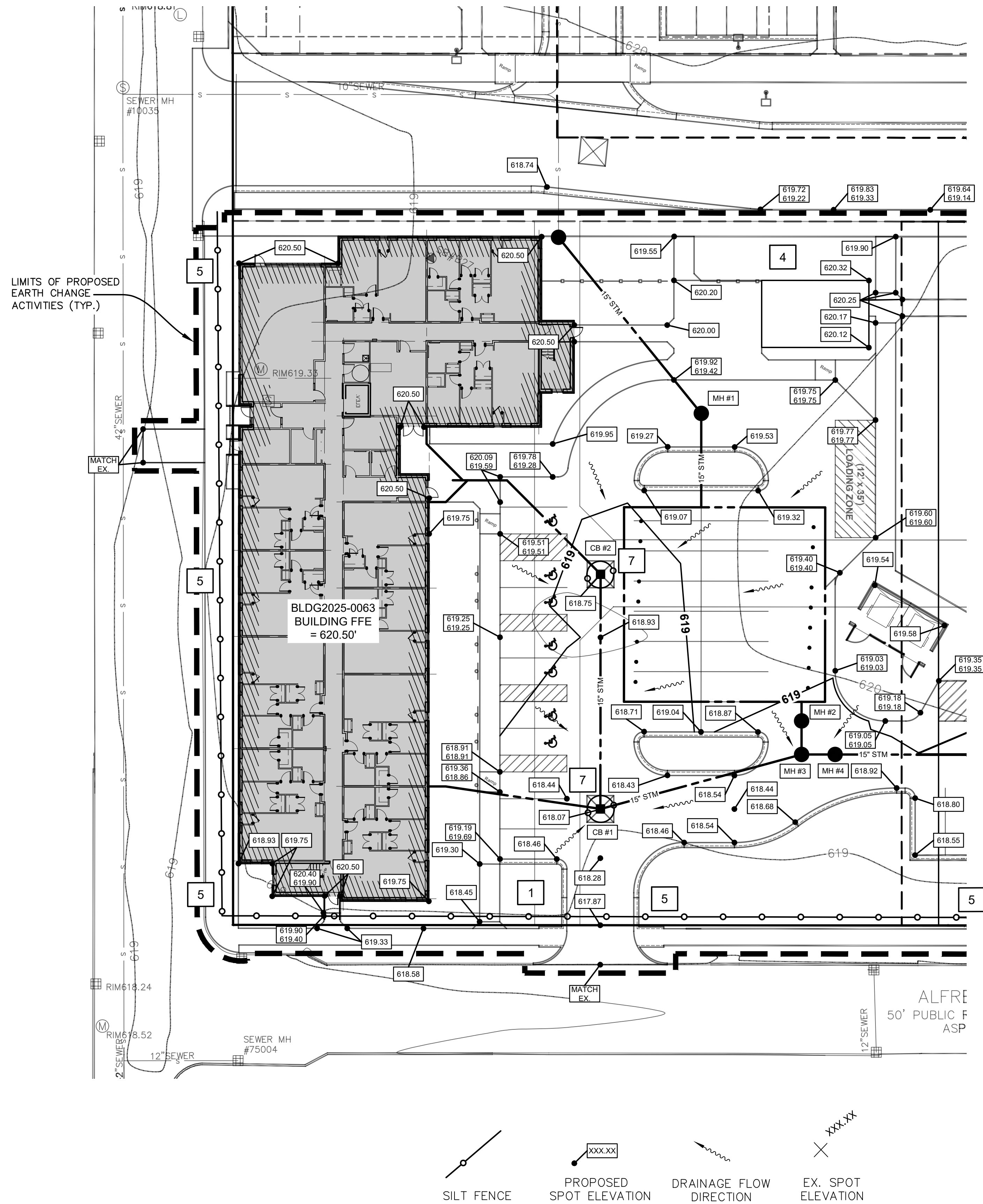
callen
civil engineers

MHT HOUSING, INC.
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
248-833-0552

NO.	ISSUANCE / REVISION	BY	DATE
1	SITE CDS	B.A.C.	11-22-24
4	BUILDING PERMIT	B.A.C.	12-06-24
5	SITE PLAN REVIEW RESPONSE #1	B.A.C.	03-31-25
5	SITE PLAN REVIEW RESPONSE #2	B.A.C.	08-01-25

BREWSTER II LDHA, LLC
651 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN
GRADING, DRAINAGE, AND SESC PLAN

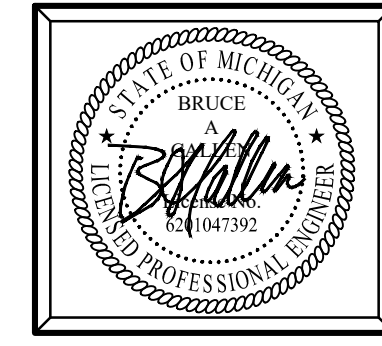
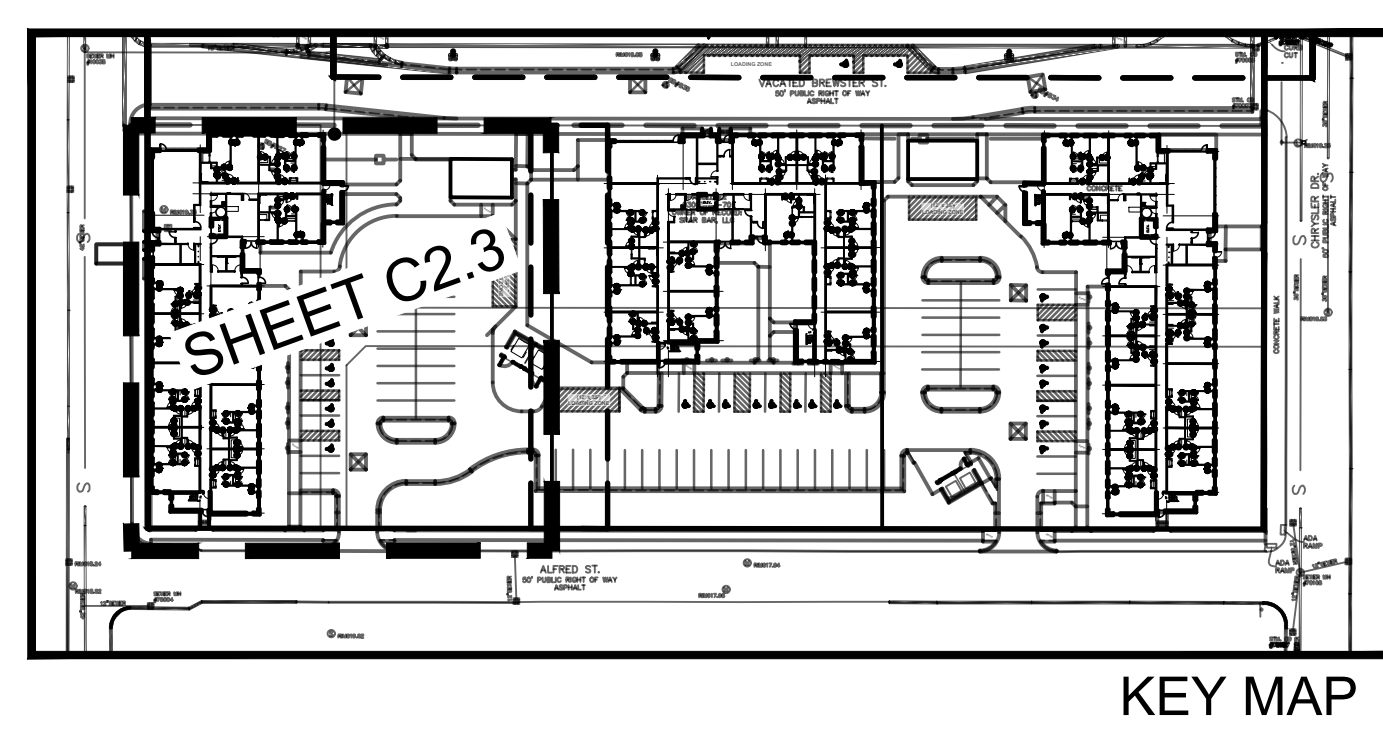
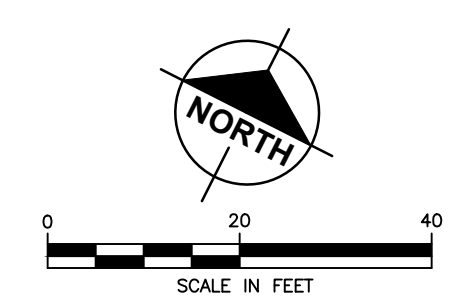
DRAWN BY	DATE
J.W.C.	SEP '24
ENGINEER	DATE
B.A.C.	SEP '24
EDIT	DATE
J.W.C.	AUG '25
SCALE	SCALE
DRAWING	PLOT SCALE
AS NOTED	1:1
PROJECT	023 BREWSTER SANCTUARY
SHEET NO.	C2.2



- BENCH MARKS:**
- BM 1 NAIL IN NORTH SIDE OF POWER POLE AT THE SOUTHWEST CORNER OF ALFRED STREET AND CHRYSLER DRIVE.
Elevation: 619.92 ft. (NAVD 88)
 - BM 2 ARROW ON HYDRANT NORTHWEST OF VEHICULAR APPROACH TO SITE.
Elevation: 622.09 ft. (NAVD 88)
 - BM 3 ARROW ON HYDRANT AT SOUTH CENTER OF PROPERTY NORTH OF ALFRED STREET.
Elevation: 621.87 ft. (NAVD 88)

EROSION CONTROL MEASURES			
KEY	SESC MEASURE	SYMBOL	WHERE USED
1	Seeding		When bare soil is exposed, temporarily or permanently, to erosive forces from wind and/or water on flat areas, mild slopes, grassed waterways and spillways, diversion ditches and dikes, borrow and stockpile areas, and spoil piles.
2	Mulch		On flat areas, slopes, grassed waterways and spillways, diversion ditches and dikes, borrow and stockpile areas, and spoil piles when areas are subject to raindrop impact, and erosive forces from wind and/or water.
4	Trees, Shrubs, Vines and Ground Cover		When bare soil or recently vegetated slopes are exposed to erosive forces from wind and/or water.
5	Perimeter Sediment Control Measures (Silt Fence, Straw Wattles, etc.)		As a temporary measure used to capture sediment from sheet flow. May also divert small volumes of sheet flow to protected outlets.
7	Storm Drain Inlet Protection		Around the entrance to a catch basin or an inlet that will capture runoff from an earth change activity.
28	Stone Construction Access		At locations where construction equipment will enter and exit the drain easement and tracking of soil is anticipated.

*SESC MEASURES SHALL COMPLY WITH MICHIGAN ASSOCIATION OF COUNTY DRAIN COMMISSIONERS SESC MANUAL SPECIFICATIONS



Plan Prepared By:
Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456
Tel: 616-414-5260
email: bcallen@callenengineering.com

For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T.616.414.5260
www.callenengineering.com

callen
civil engineers

MHT HOUSING, INC.
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
248-833-0552

NO.	ISSUANCE / REVISION	BY	DATE
1	SITE CDS	B.A.C.	11-22-24
2	BUILDING PERMIT	B.A.C.	12-06-24
3	SITE PLAN REVIEW RESPONSE #1	B.A.C.	03-31-25
4	SITE PLAN REVIEW RESPONSE #2	B.A.C.	08-01-25

REVISED IN ACCORDANCE WITH CONSTRUCTION RECORDS

BREWSTER III LDHA, LLC
631 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN

GRADING, DRAINAGE, AND SESC PLAN

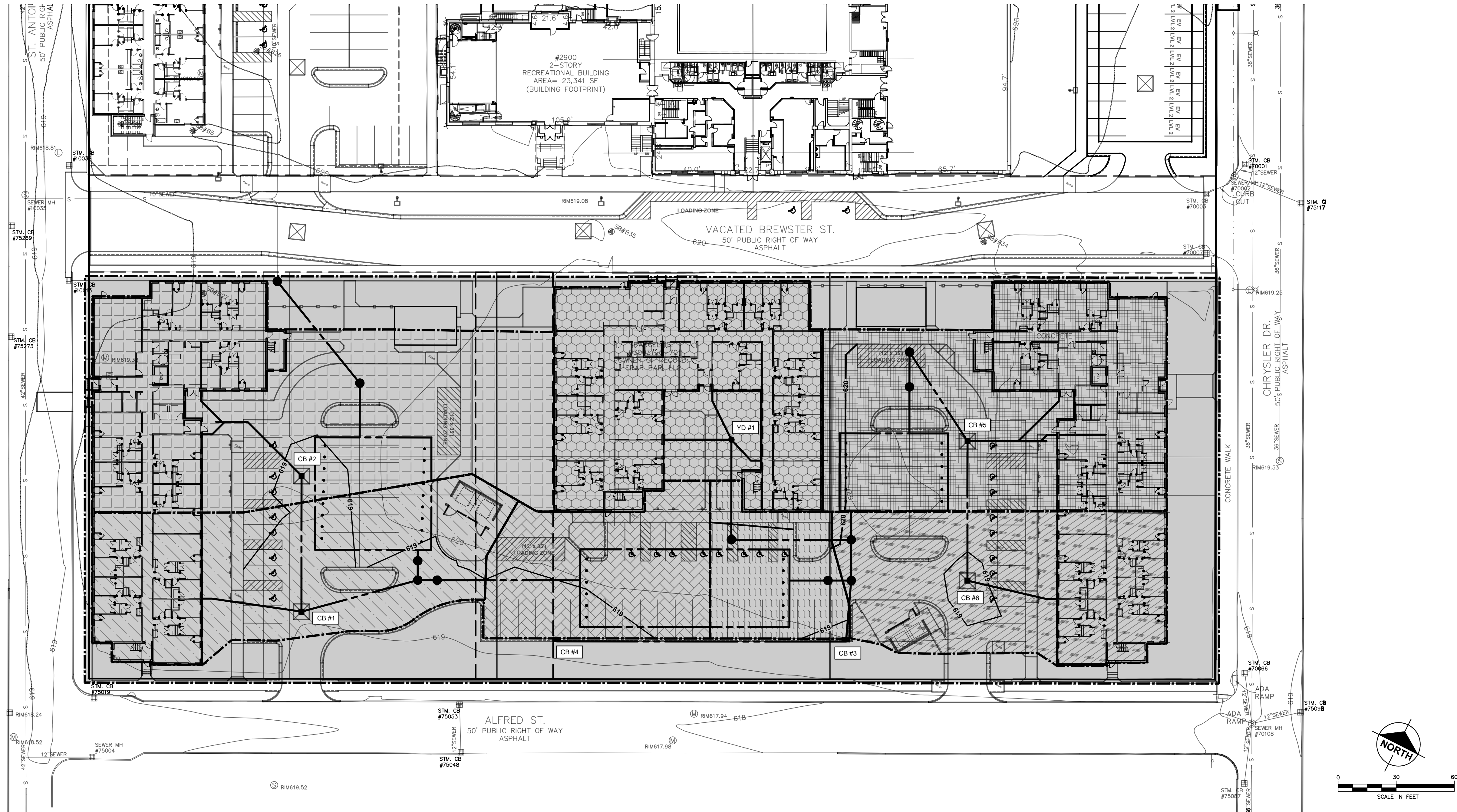
DRAWN BY J.W.C.	DATE SEP '24
ENGINEER B.A.C.	DATE SEP '24
EDIT J.W.C.	DATE AUG '25

SCALE
DRAWING: 1"=40'
AS NOTED: 1:1

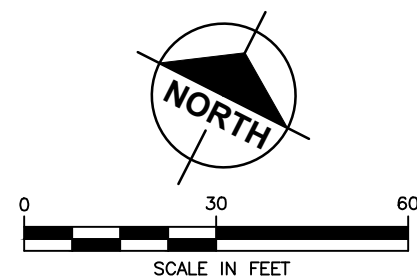
PROJECT: 023 BREWSTER SANCTUARY
SHEET NO. **C2.3**

PRELIMINARY - NOT FOR CONSTRUCTION

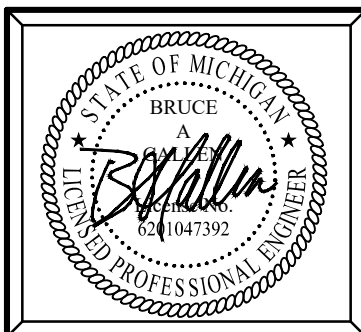
DATE OF PLAN: 08-01-25



- CB#1 CONTRIBUTING AREA = 0.34 ACRES
- CB#2 CONTRIBUTING AREA = 0.44 ACRES
- CB#3 CONTRIBUTING AREA = 0.11 ACRES
- CB#4 CONTRIBUTING AREA = 0.18 ACRES
- CB#5 CONTRIBUTING AREA = 0.43 ACRES
- CB#6 CONTRIBUTING AREA = 0.29 ACRES
- YD#1 CONTRIBUTING AREA = 0.36 ACRES
- CONTRIBUTING AREA TO PROPOSED STORM SYSTEM = 2.82 ACRES



PRELIMINARY - NOT FOR CONSTRUCTION



Plan Prepared By:
Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456
Tel: 616-414-5260
email: bcallen@callenengineering.com

For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

DATE OF PLAN: 08-01-25

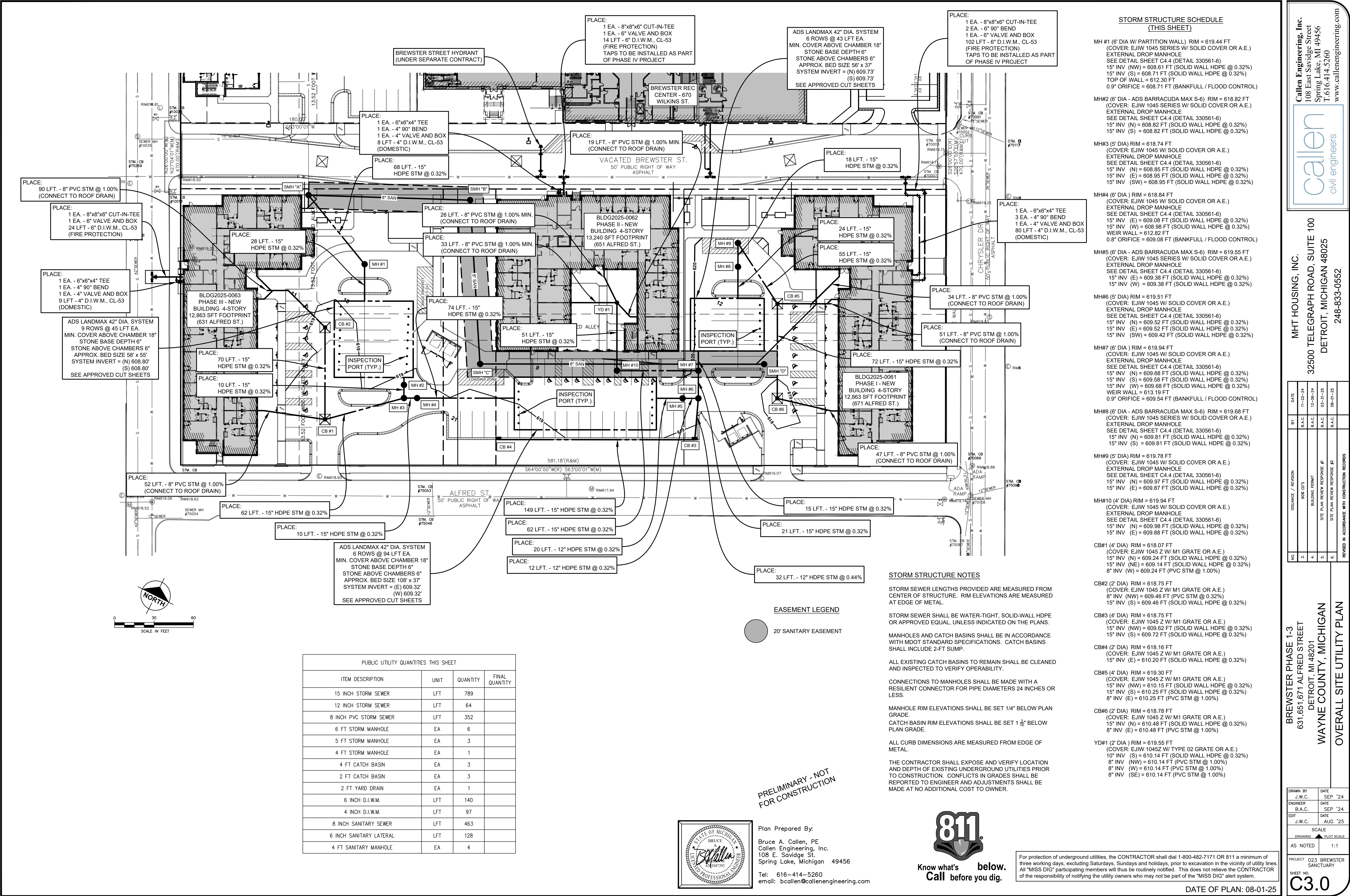
BREWSTER PHASE 1-3
631.651.671 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN
CONTRIBUTING AREA PLAN

DRAWN BY J.W.C.	DATE SEP '24
ENGINEER B.A.C.	DATE SEP '24
EDIT J.W.C.	DATE AUG '25
SCALE DRAWING AS NOTED	PLOT SCALE 1:1
PROJECT 023 BREWSTER SANCTUARY	SHEET NO. C2.4

MHT HOUSING, INC.
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
248-833-0552

Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T.616.414.5260
www.callenengineering.com
callen
civil engineers

NO.	ISSUANCE / REVISION	BY	DATE
1.	90% CDS	B.A.C.	11-22-24
2.	BUILDING PERMIT	B.A.C.	12-08-24
3.	SITE PLAN REVIEW RESPONSE #1	B.A.C.	03-31-25
5.	SITE PLAN REVIEW RESPONSE #2	B.A.C.	08-01-25



Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T: 616-414-5260
www.callenengineering.com

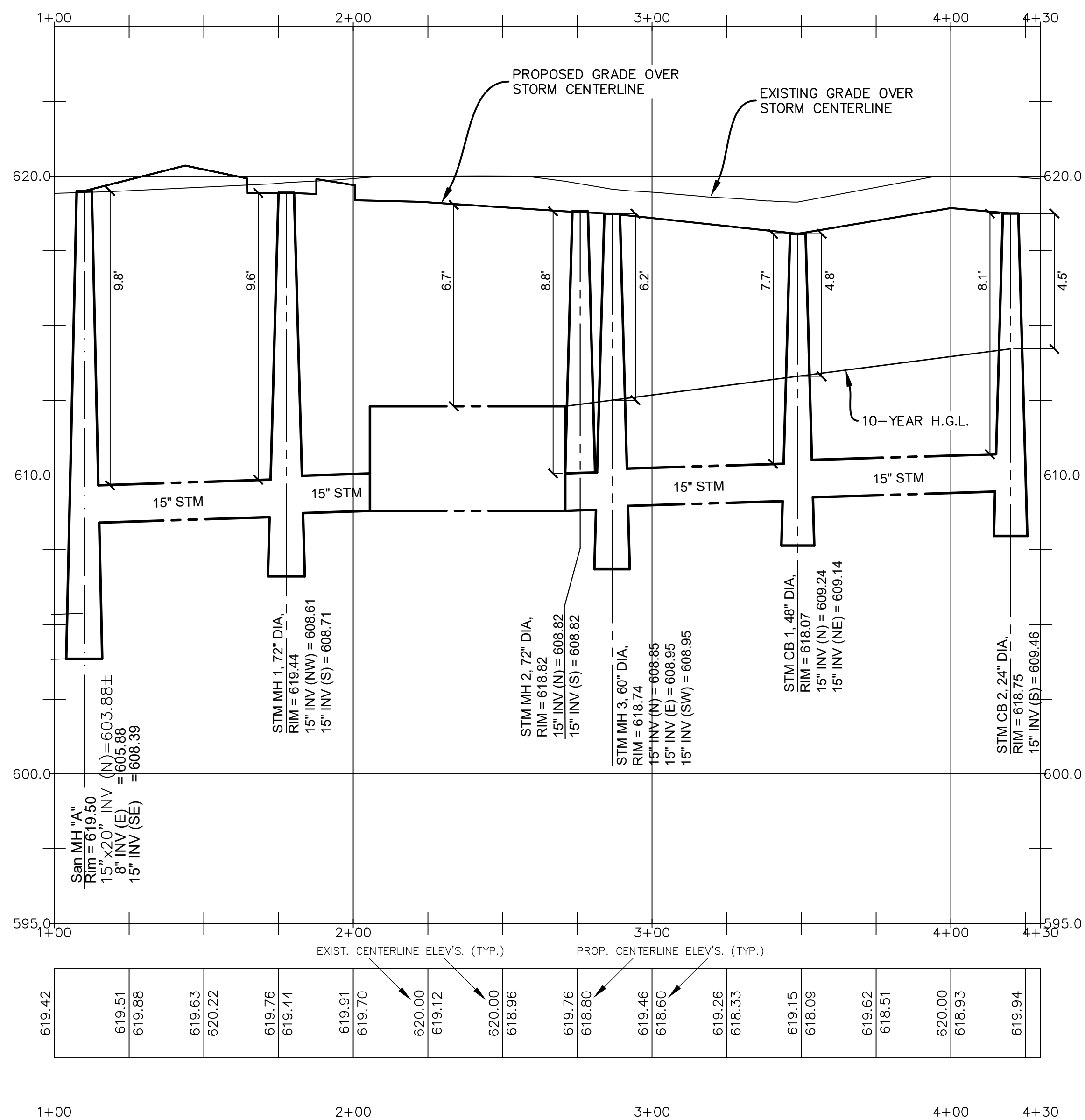
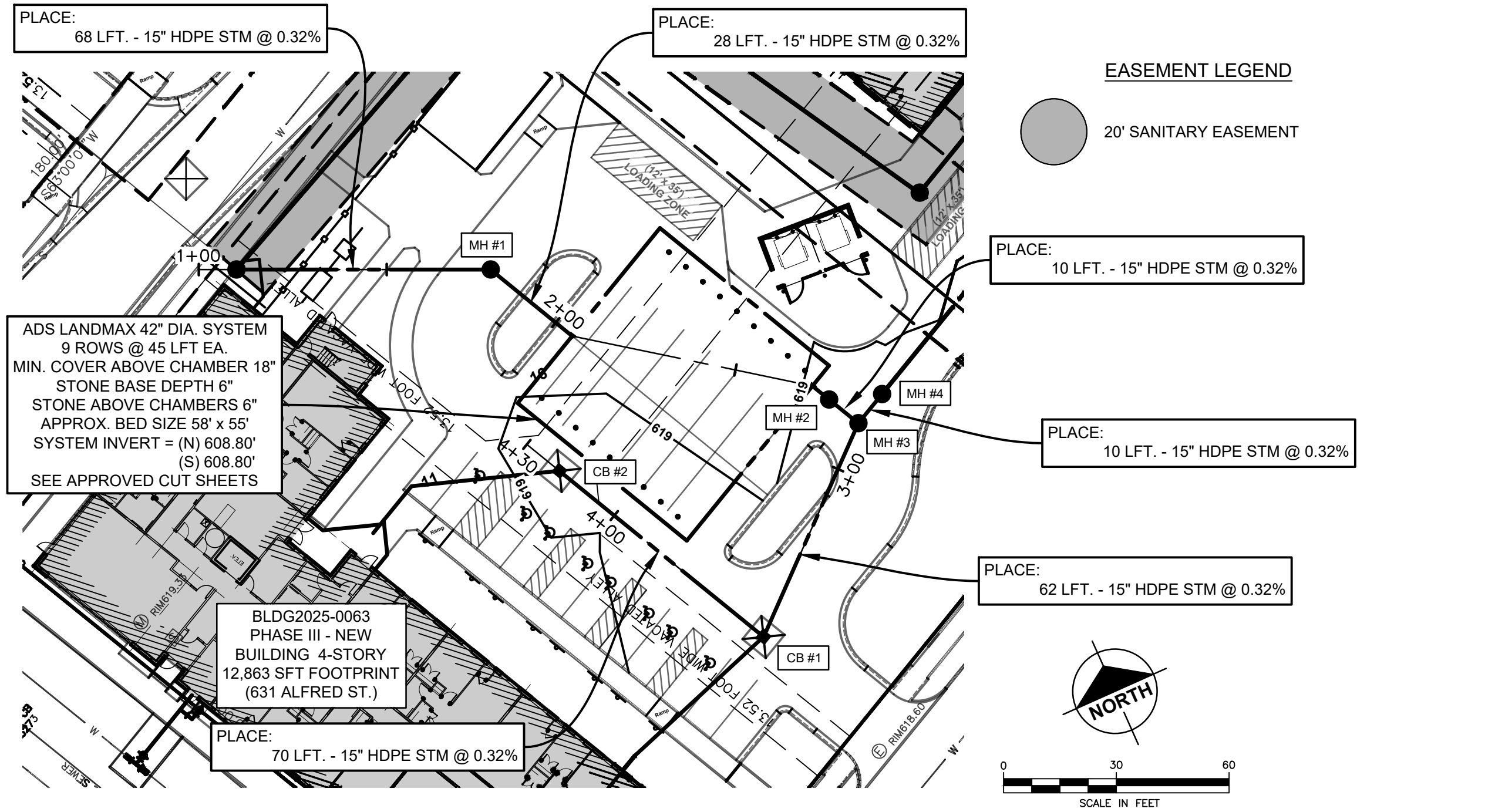
callen
civil engineers

MHT HOUSING, INC.
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
248-833-0552

BREWSTER PHASE 1-3
631.651.671 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN

OVERALL SITE UTILITY PLAN

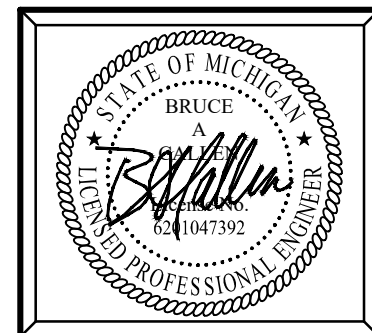
DRAWN BY J.W.C.	DATE SEP '24
ENGINEER B.A.C.	DATE SEP '24
EDIT J.W.C.	DATE AUG '25
SCALE DRAWING AS NOTED	
PROJECT 023 BREWSTER SANCTUARY	
SHEET NO. C3.0	



HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'

SUBSURFACE CONDITIONS

Contractor(s) shall familiarize themselves with the information and findings presented in the Geotechnical Evaluation Report prepared by SME dated Apr. 28, 2023.
SME Project No. 092556.00



Plan Prepared By:
Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456
Tel: 616-414-5260
email: bcallen@callenengineering.com

PRELIMINARY - NOT
FOR CONSTRUCTION



For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

DATE OF PLAN: 08-01-25

Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T.616.414.5260
www.callenengineering.com

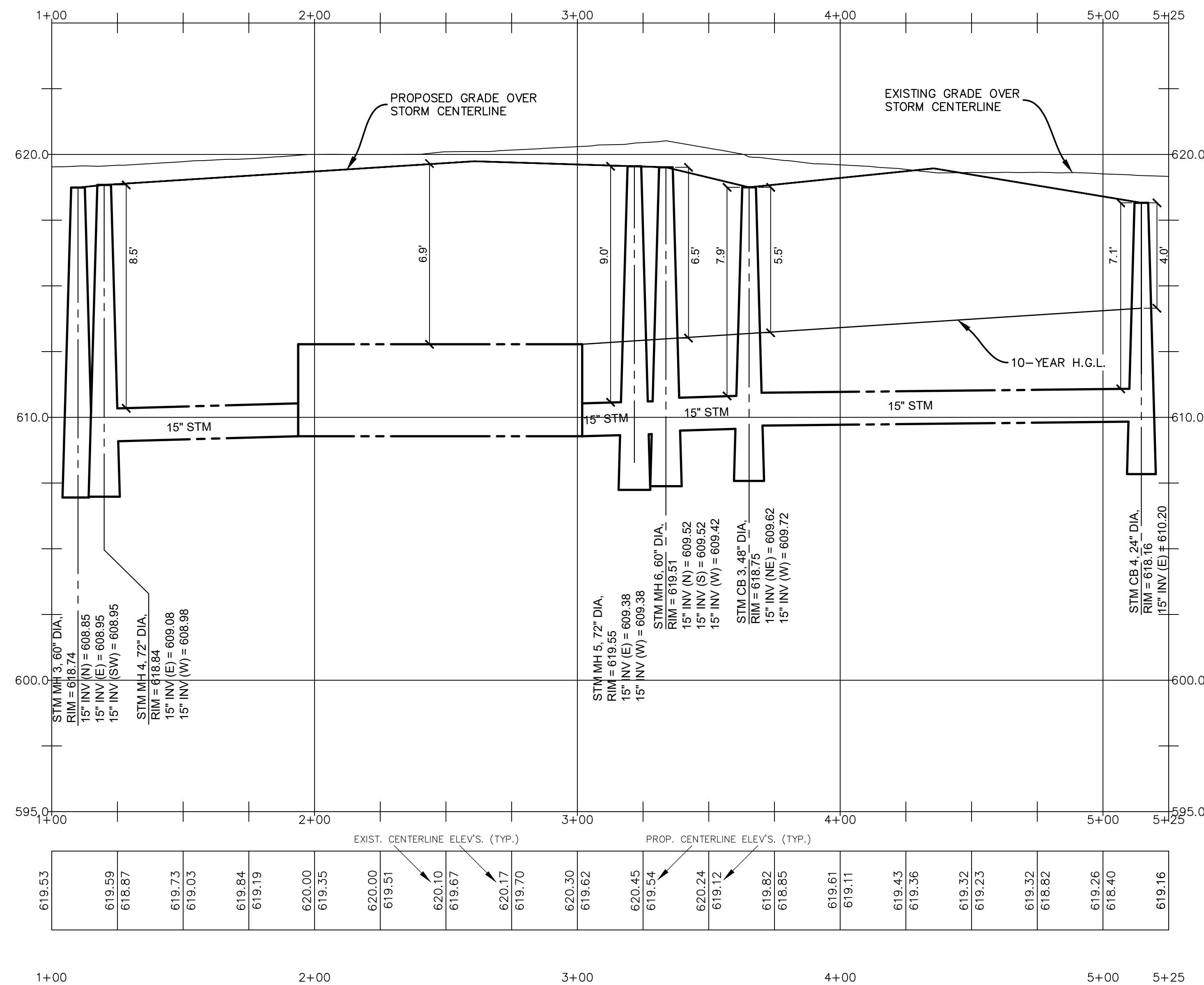
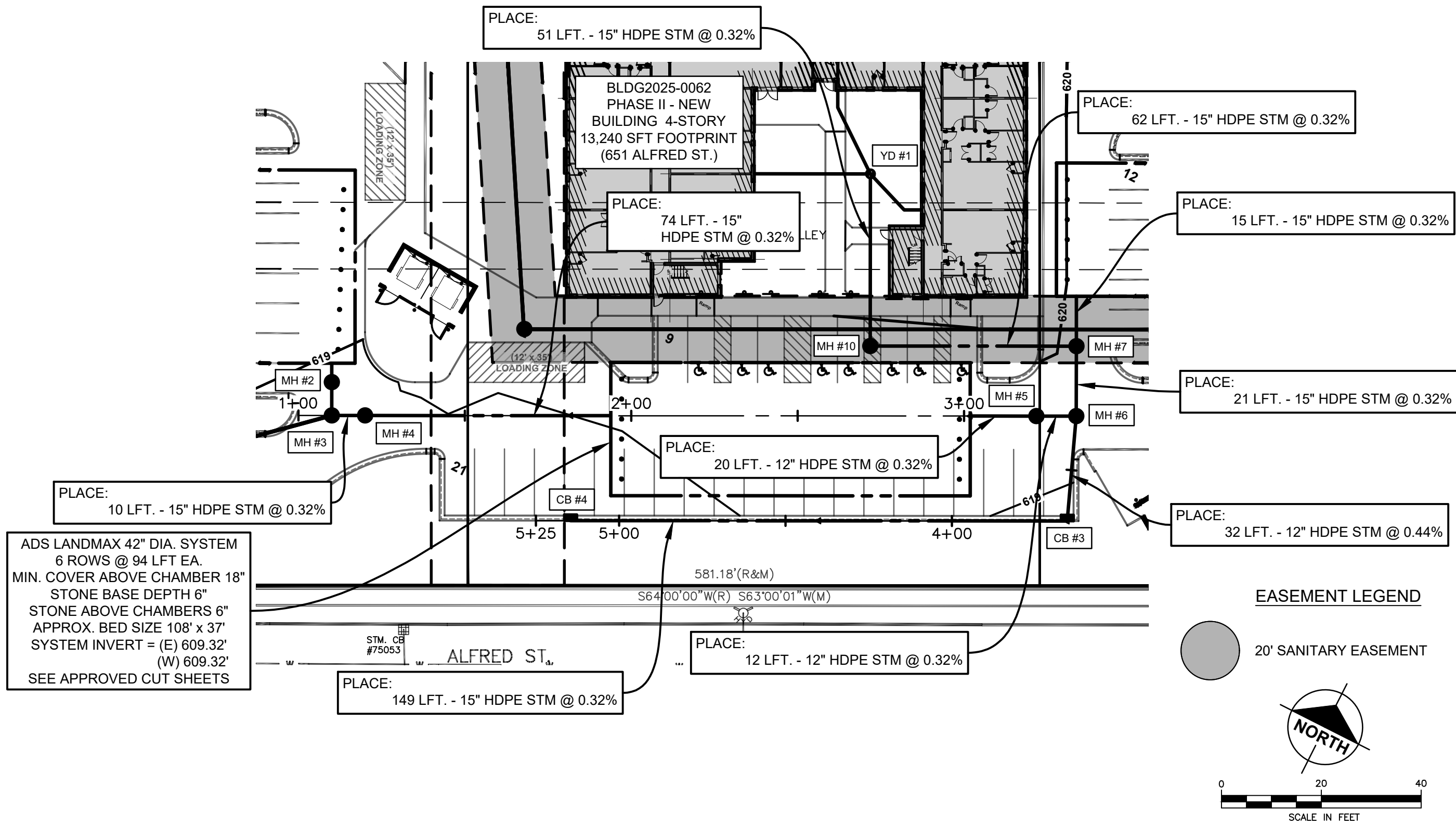


MHT HOUSING, INC.
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
248-833-0552

NO.	ISSUANCE / REVISION	BY	DATE
1	90% CDS	B.A.C.	11-22-24
2	BUILDING PERMIT	B.A.C.	12-06-24
3	SITE PLAN REVIEW RESPONSE #1	B.A.C.	03-31-25
4	SITE PLAN REVIEW RESPONSE #2	B.A.C.	08-01-25

BREWSTER PHASE 1-3
631.651.671 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN
STORM PLAN & PROFILE

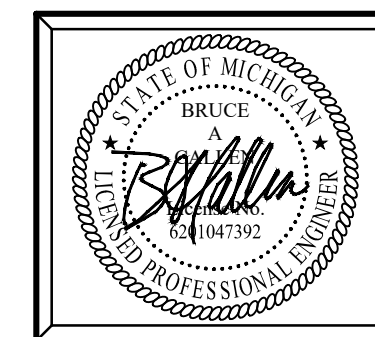
DRAWN BY J.W.C.	DATE SEP '24
ENGINEER B.A.C.	DATE SEP '24
EDIT J.W.C.	DATE AUG '25
SCALE DRAWING AS NOTED	SCALE PLOT SCALE 1:1
PROJECT 023 BREWSTER SANCTUARY	
SHEET NO. C3.1	



HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'

SUBSURFACE CONDITIONS

Contractor(s) shall familiarize themselves with the information and findings presented in the Geotechnical Evaluation Report prepared by SME dated Apr. 28, 2023.
SME Project No. 092556.00



Plan Prepared By:
Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456
Tel: 616-414-5260
email: bcallen@callenengineering.com

For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.



Know what's below.
Call before you dig.

DATE OF PLAN: 08-01-25

Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T.616.414.5260
www.callenengineering.com

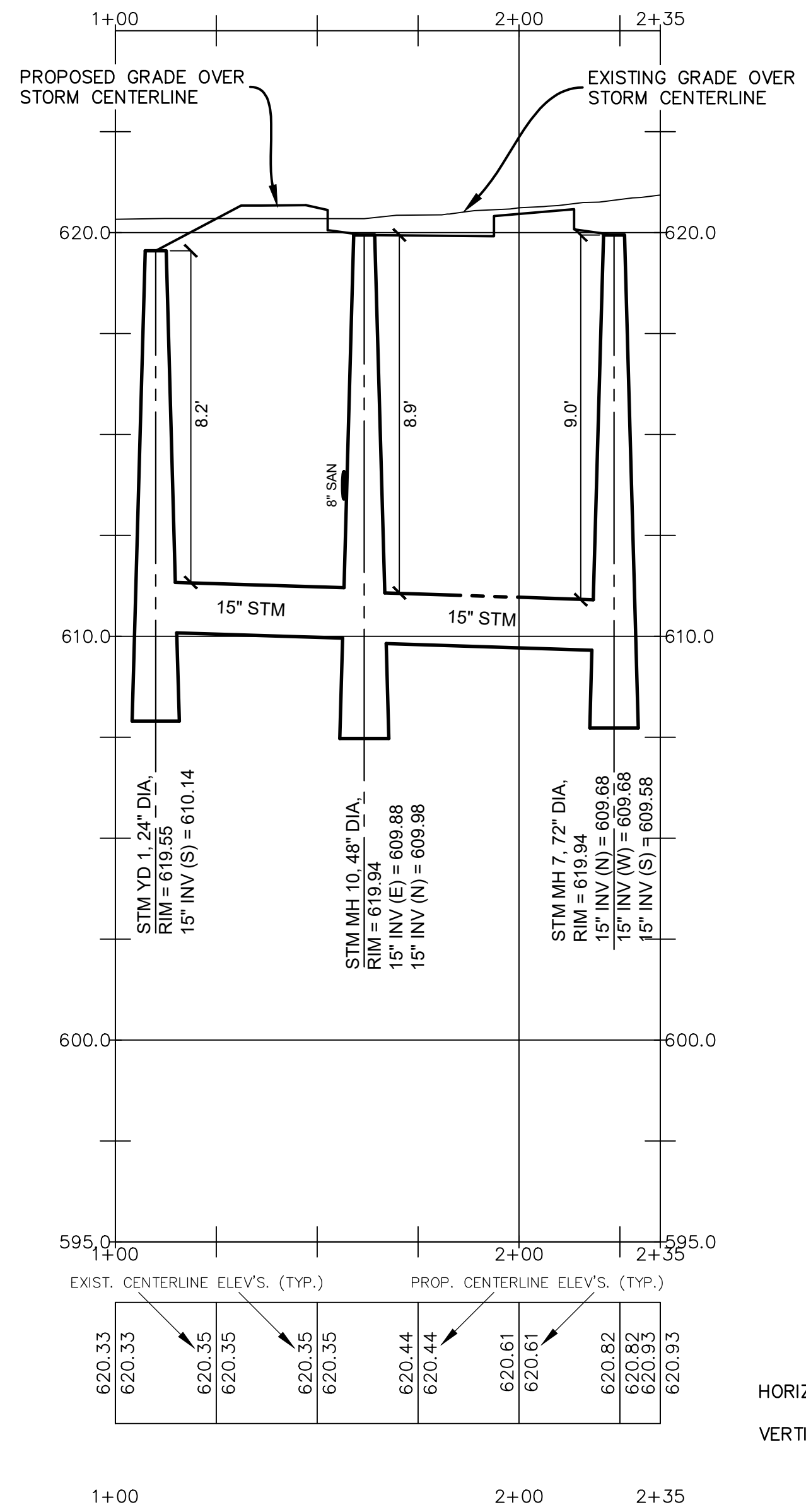
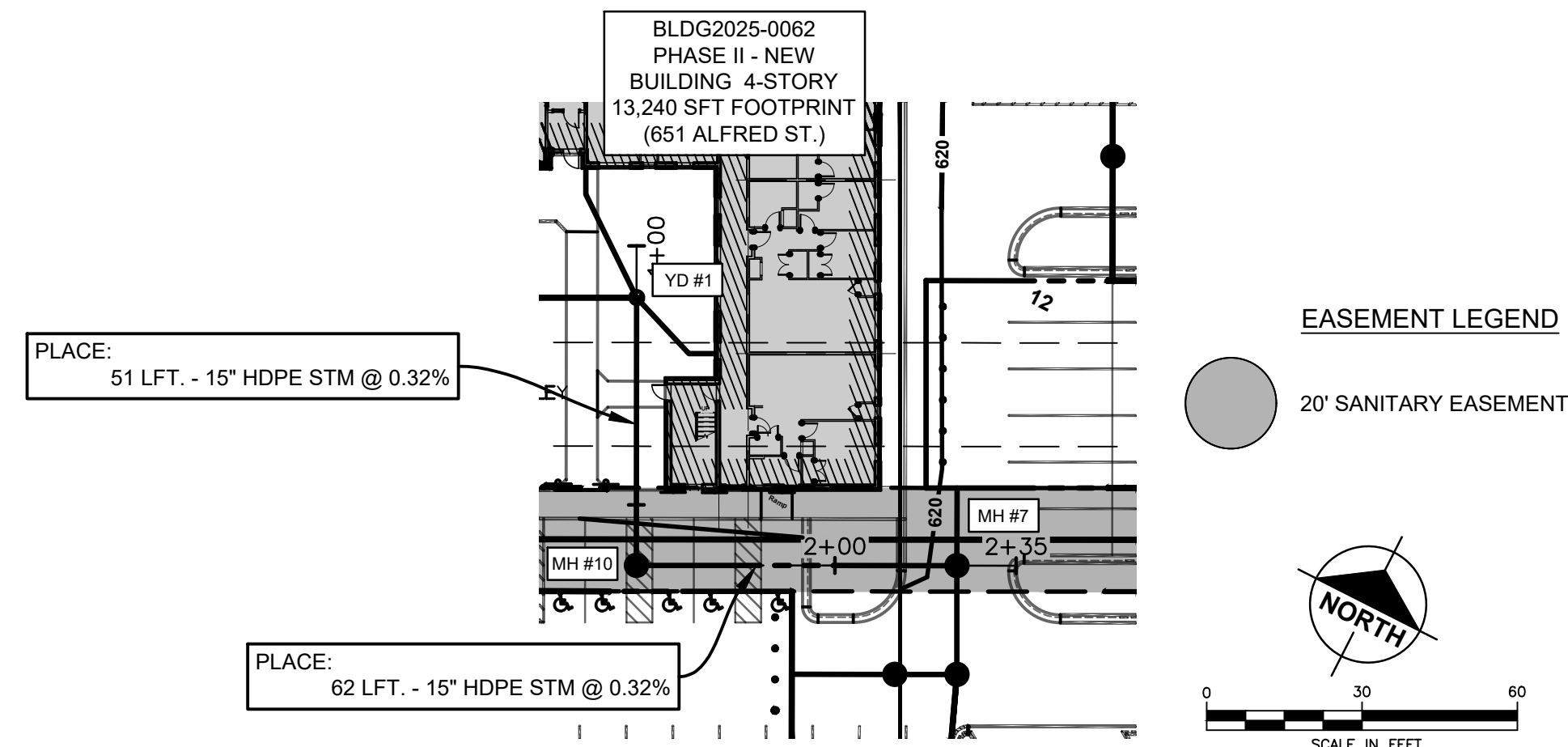
callen
civil engineers

MHT HOUSING, INC.
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
248-833-0552

NO.	ISSUANCE / REVISION	BY	DATE
1	DATE	B.A.C.	11-22-24
2	DATE	B.A.C.	12-06-24
3	DATE	B.A.C.	03-31-25
4	DATE	B.A.C.	08-01-25

BREWSTER PHASE 1-3
631.651.671 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN
STORM PLAN & PROFILE

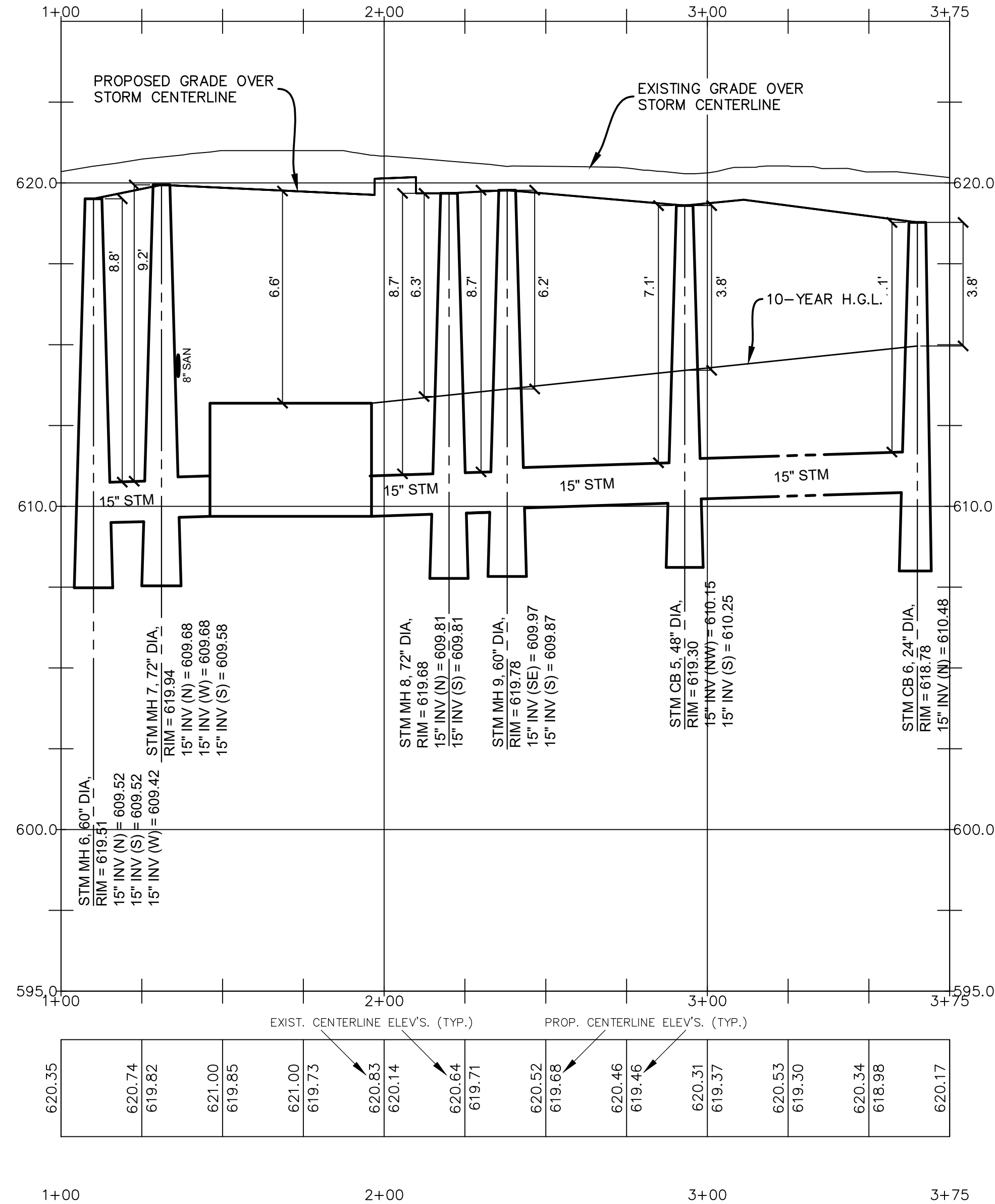
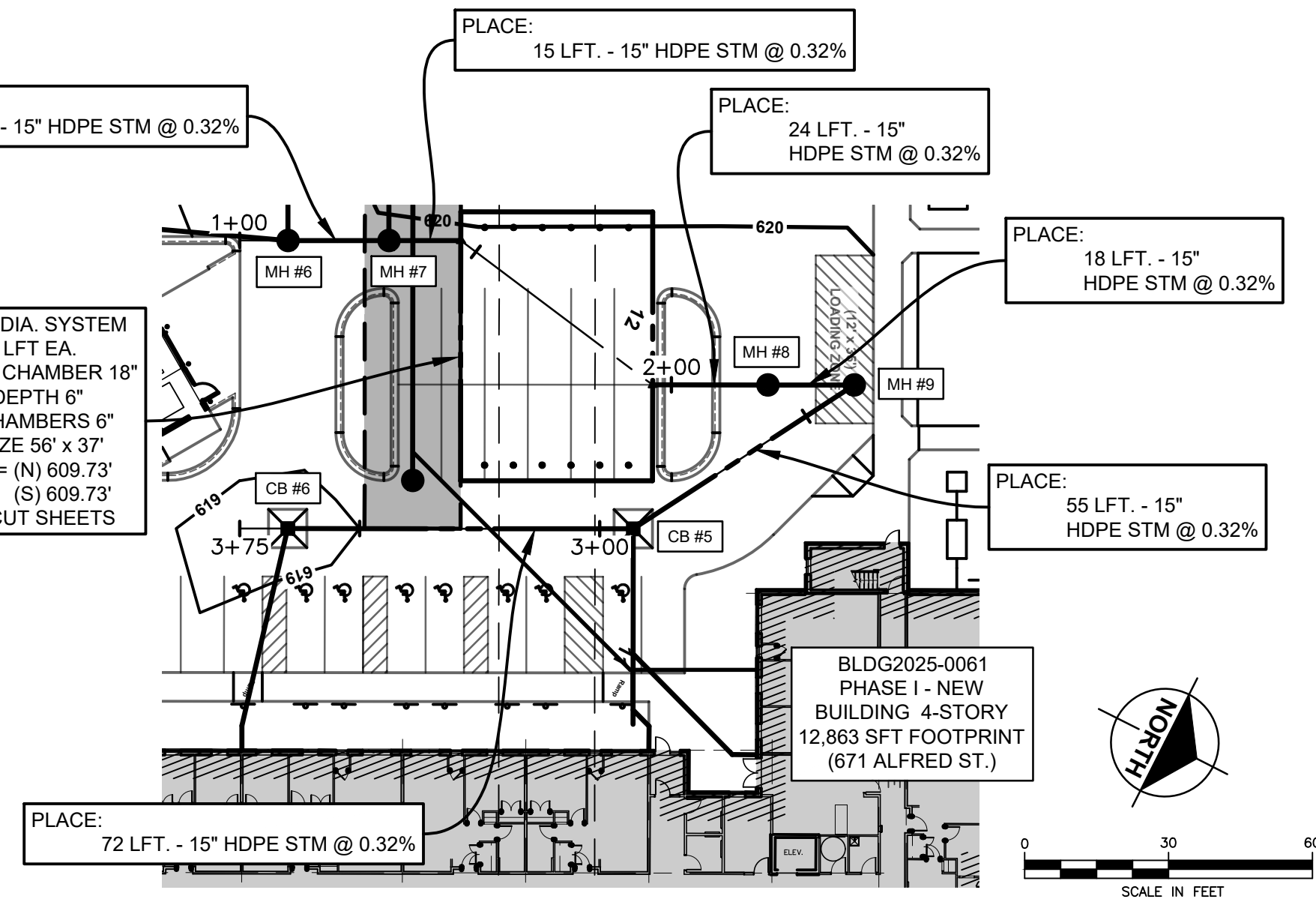
DRAWN BY J.W.C.	DATE SEP '24
ENGINEER B.A.C.	DATE SEP '24
EDIT J.W.C.	DATE AUG '25
SCALE DRAWING AS NOTED	SCALE PLOT SCALE 1:1
PROJECT 023 BREWSTER SANCTUARY	
SHEET NO. C3.2	



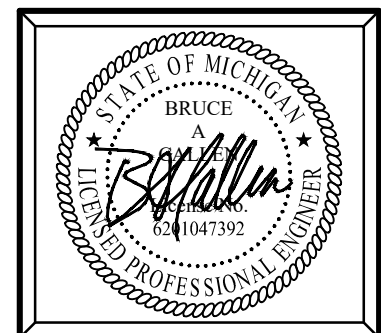
HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'

SUBSURFACE CONDITIONS

Contractor(s) shall familiarize themselves with the information and findings presented in the Geotechnical Evaluation Report prepared by SME dated Apr. 28, 2023. SME Project No. 092556.00



HORIZONTAL SCALE: 1"=30'
VERTICAL SCALE: 1"=3'



Plan Prepared By:
Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456
Tel: 616-414-5260
email: bcallen@callenengineering.com



For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

DATE OF PLAN: 08-01-25

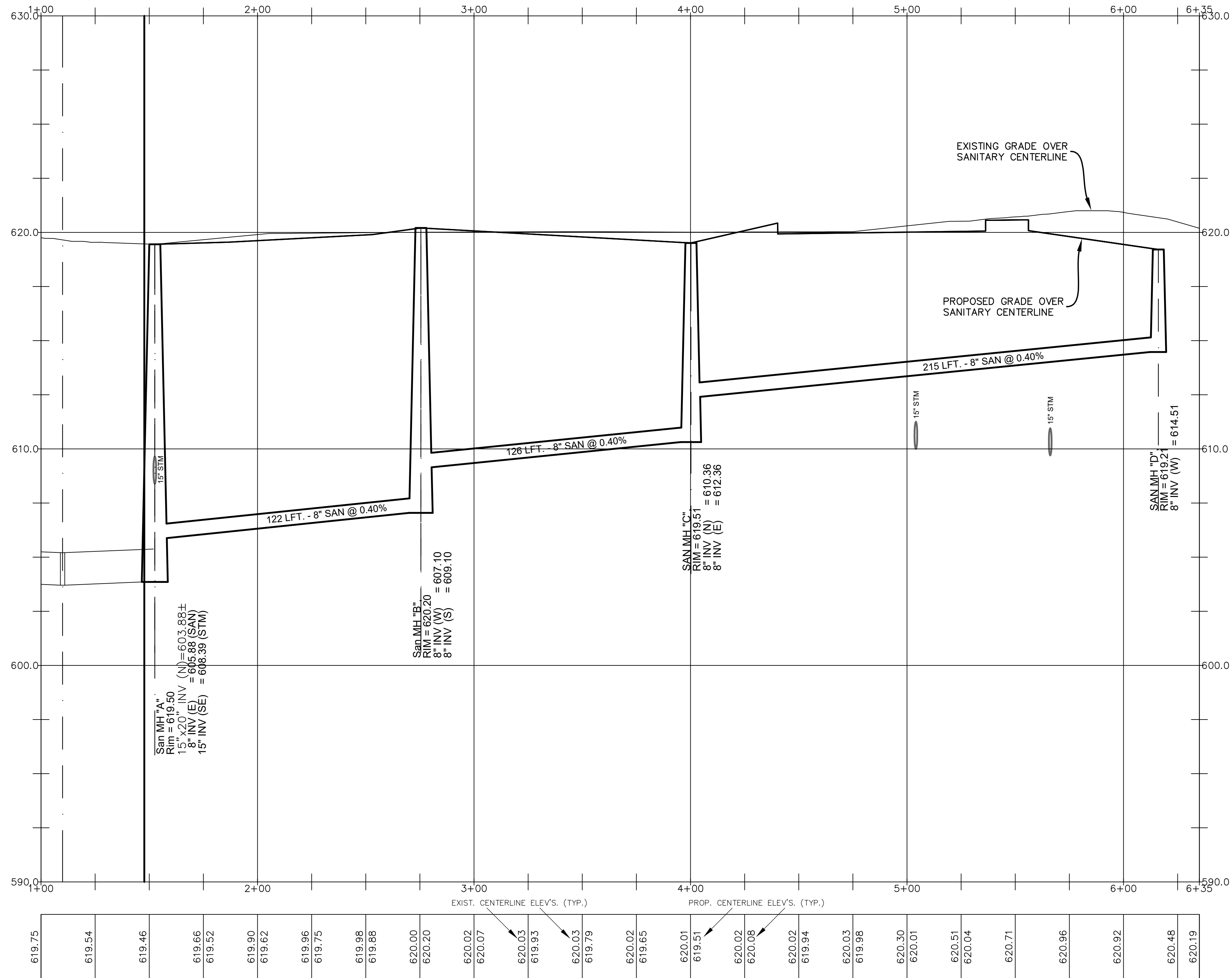
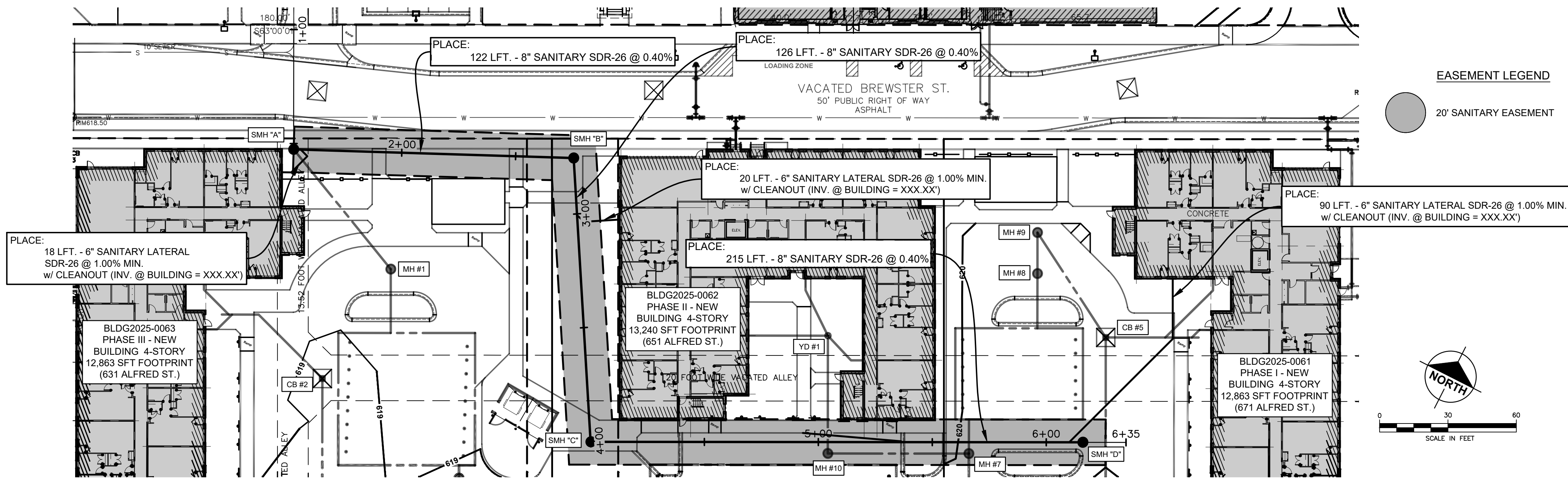
NO.	ISSUANCE / REVISION	BY	DATE
1	90% CDS	B.A.C.	11-22-24
2	BUILDING PERMIT	B.A.C.	12-06-24
3	SITE PLAN REVIEW RESPONSE #1	B.A.C.	03-31-25
4	SITE PLAN REVIEW RESPONSE #2	B.A.C.	08-01-25

BREWSTER PHASE 1-3
631.651.671 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN

DRAWN BY J.W.C.	DATE SEP '24
ENGINEER B.A.C.	DATE SEP '24
EDIT J.W.C.	DATE AUG '25
SCALE DRAWING AS NOTED	SCALE PLOT SCALE 1:1
PROJECT 023 BREWSTER SANCTUARY	SHEET NO. C3.3

STORM PLAN & PROFILE

PRELIMINARY - NOT
FOR CONSTRUCTION



Plan Prepared By:
 Bruce A. Callen, PE
 Callen Engineering, Inc.
 108 E. Savidge St.
 Spring Lake, Michigan 49456
 Tel: 616-414-5260
 email: bcallen@callenengineering.com

PRELIMINARY - NOT
 FOR CONSTRUCTION



For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

SUBSURFACE CONDITIONS

Contractor(s) shall familiarize themselves with the information and findings presented in the Geotechnical Evaluation Report prepared by SME dated Apr. 28, 2023.
 SME Project No. 092556.00

DATE OF PLAN: 08-01-25

Callen Engineering, Inc.
 108 East Savidge Street
 Spring Lake, MI 49456
 T. 616.414.5260
 www.callenengineering.com

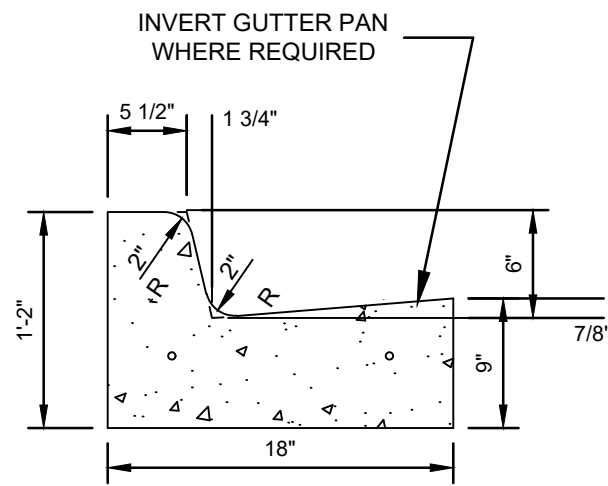


MHT HOUSING, INC.
 32500 TELEGRAPH ROAD, SUITE 100
 DETROIT, MICHIGAN 48025
 248-833-0552

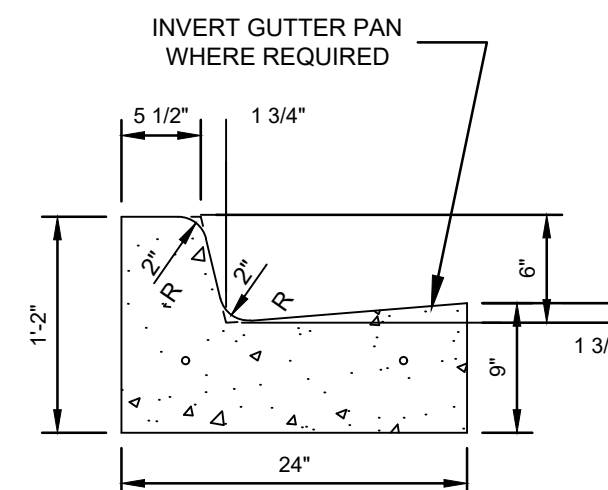
NO.	ISSUANCE / REVISION	BY	DATE
1	SITE CDS	B.A.C.	11-22-24
2	BUILDING PERMIT	B.A.C.	12-06-24
3	SITE PLAN REVIEW RESPONSE #1	B.A.C.	03-31-25
4	SITE PLAN REVIEW RESPONSE #2	B.A.C.	08-01-25

BREWSTER PHASE 1-3
 631.651/671 ALFRED STREET
 DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN
SANITARY PLAN & PROFILE

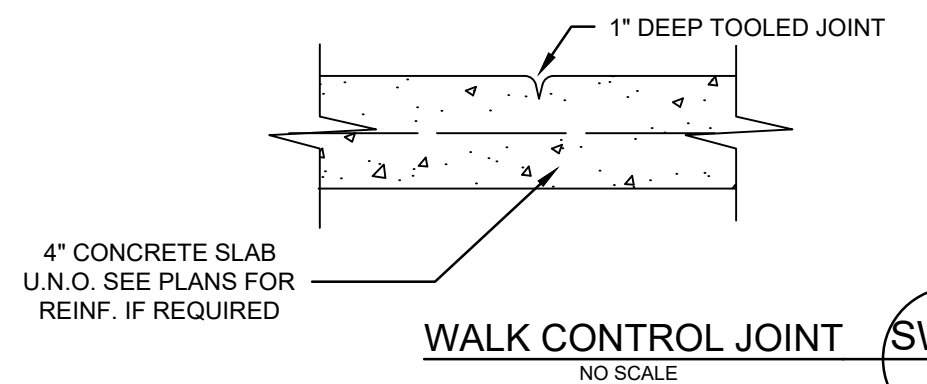
DRAWN BY J.W.C.	DATE SEP '24
ENGINEER B.A.C.	DATE SEP '24
EDIT J.W.C.	DATE AUG '25
SCALE DRAWING	SCALE PLOT SCALE
AS NOTED	1:1
PROJECT 023 BREWSTER SANCTUARY	
SHEET NO. C3.4	



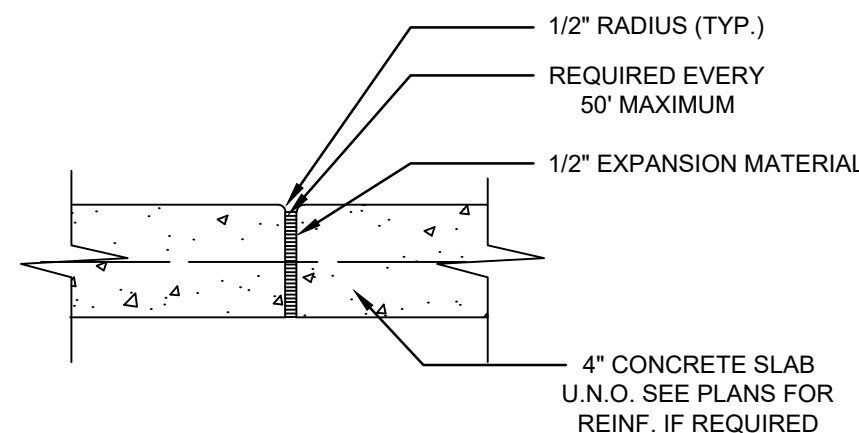
CONCRETE CURB & GUTTER
DETAIL F2, MODIFIED
NO SCALE



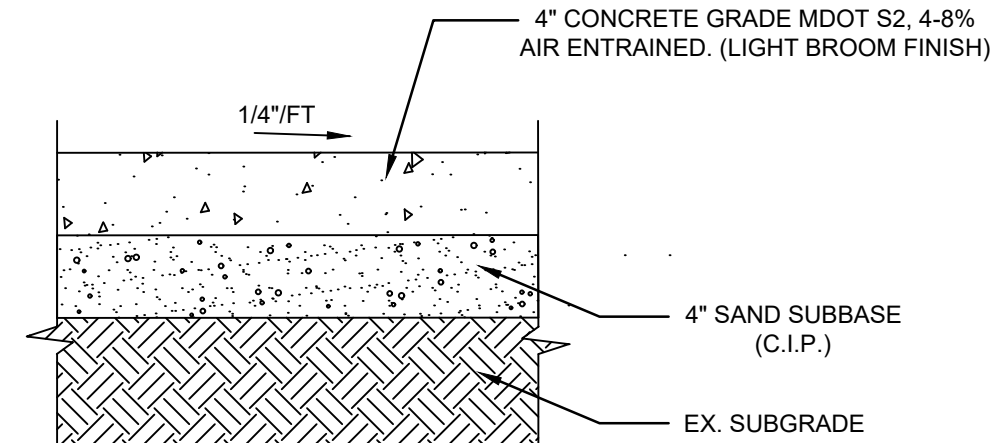
CONCRETE CURB & GUTTER
DETAIL F4, MODIFIED
NO SCALE



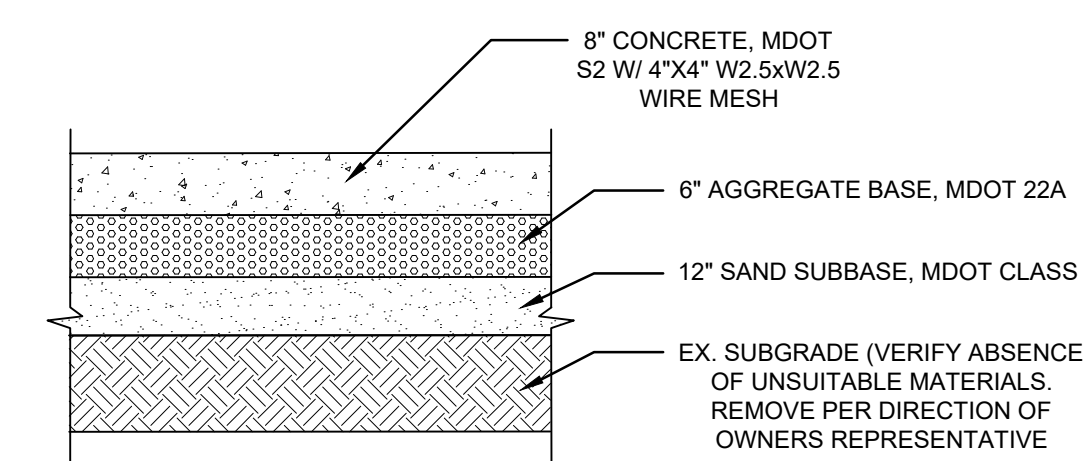
WALK CONTROL JOINT
NO SCALE



WALK EXPANSION JOINT
NO SCALE

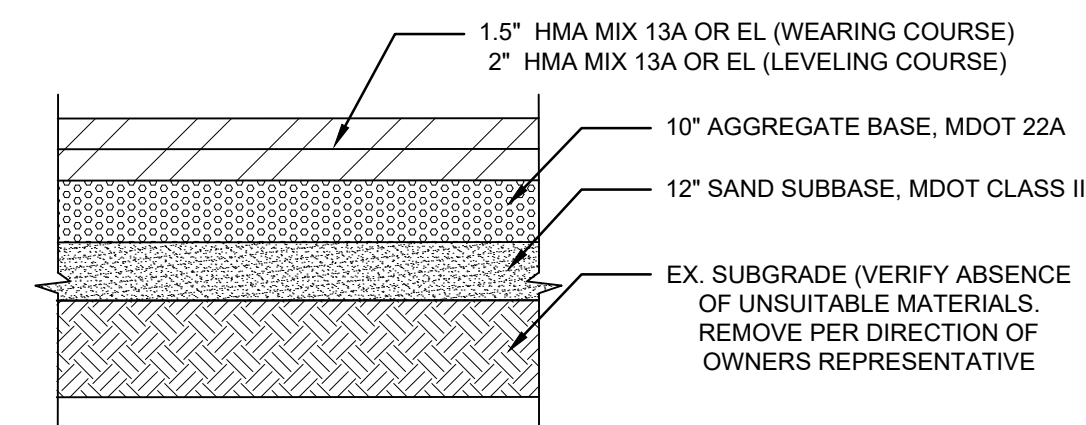


CONCRETE SIDEWALK SECTION
NO SCALE



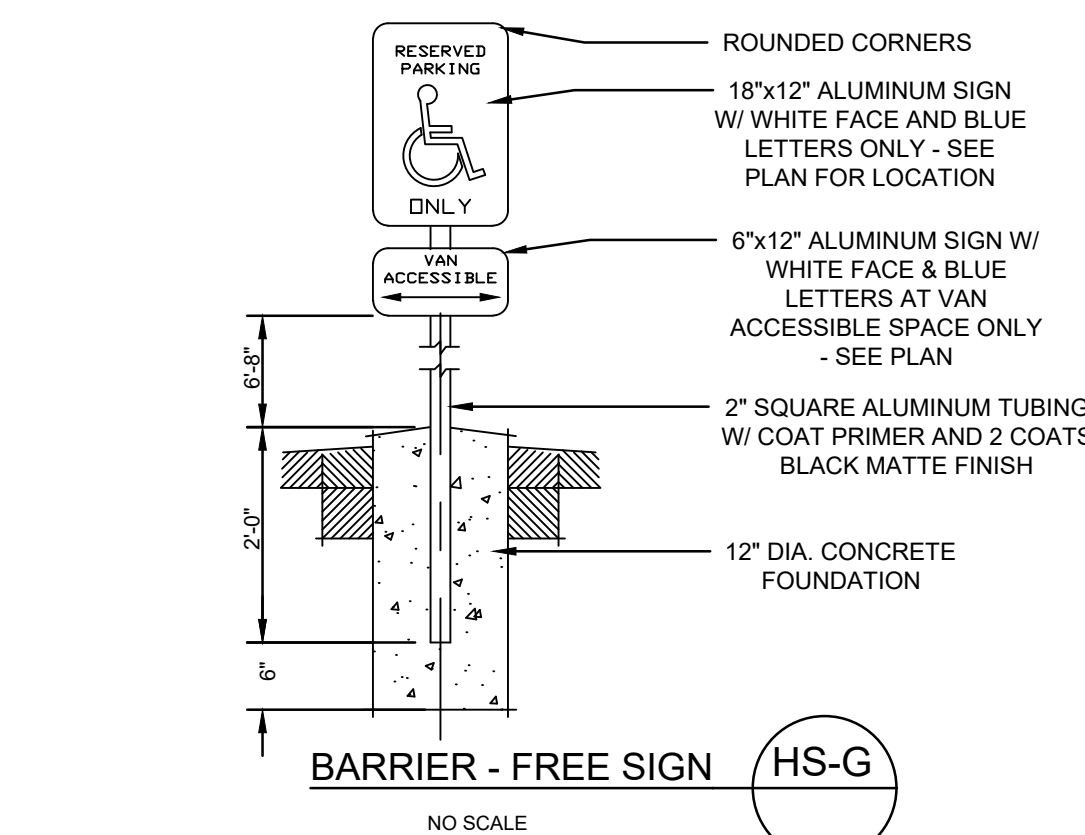
NOTE: CONTRACTOR(S) SHALL FAMILIARIZE THEMSELVES WITH THE INFORMATION AND FINDINGS PRESENTED IN THE GEOTECHNICAL EVALUATION REPORT PREPARED BY SME DATED APRIL 28, 2023
SME PROJECT NO. 092556.00

8\"/>

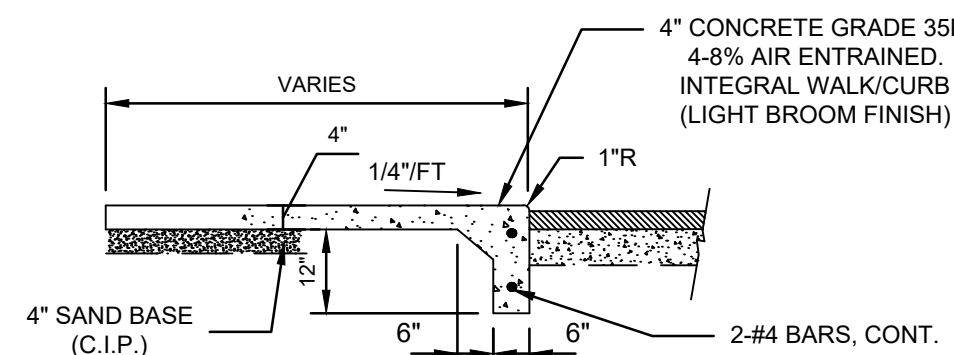


NOTE: CONTRACTOR(S) SHALL FAMILIARIZE THEMSELVES WITH THE INFORMATION AND FINDINGS PRESENTED IN THE GEOTECHNICAL EVALUATION REPORT PREPARED BY SME DATED APRIL 28, 2023
SME PROJECT NO. 092556.00

HMA PAVEMENT SECTION
NO SCALE

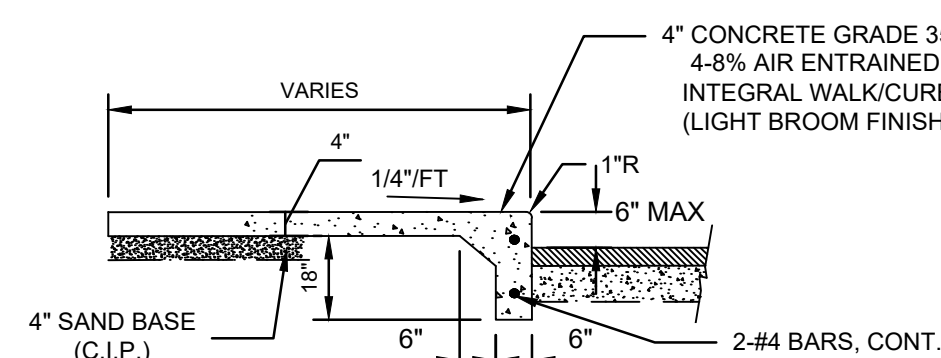


BARRIER - FREE SIGN
NO SCALE



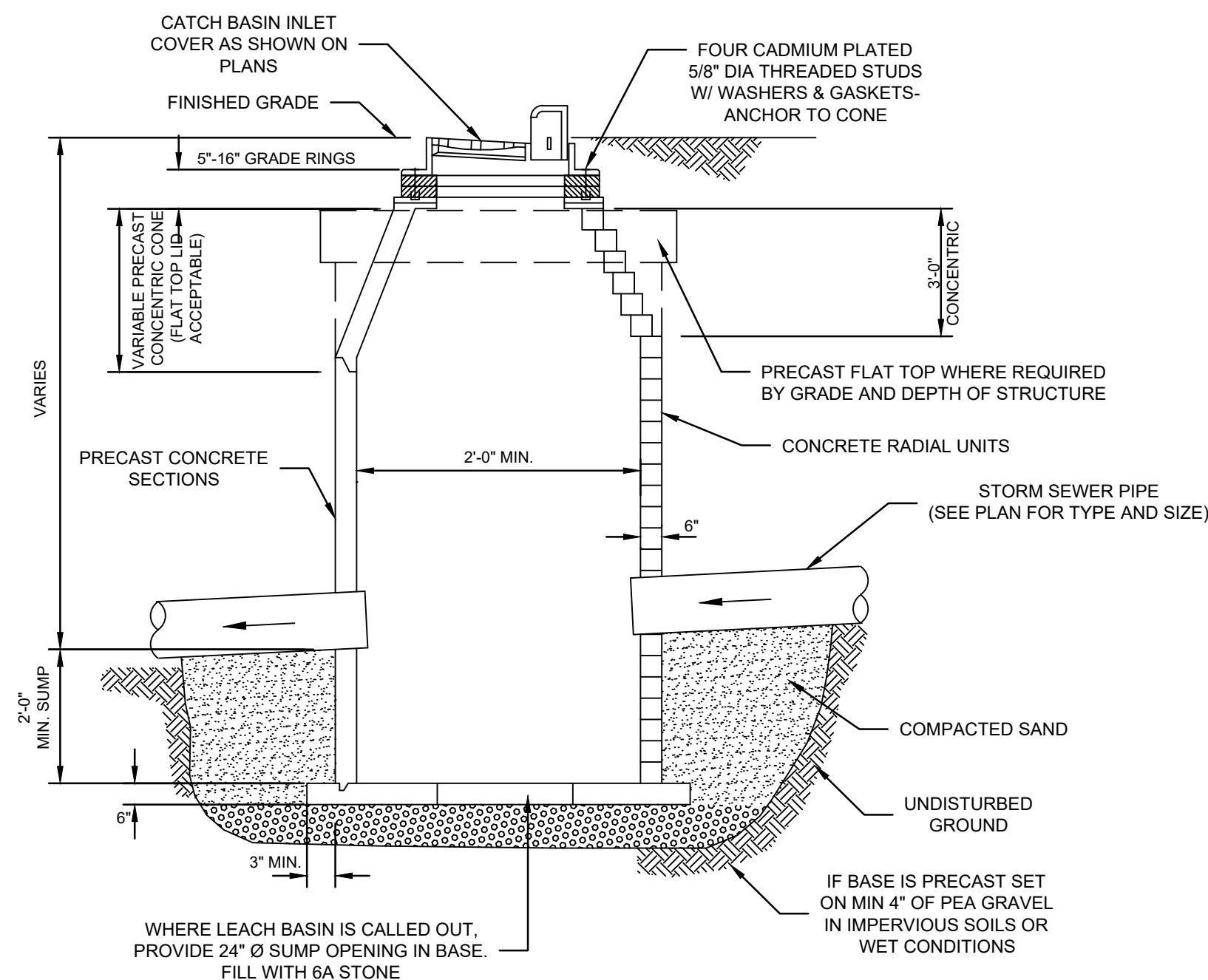
NOTE: 1) PROVIDE 3/8\"/>

CONCRETE SIDEWALK W/ FLUSH CURB
NO SCALE

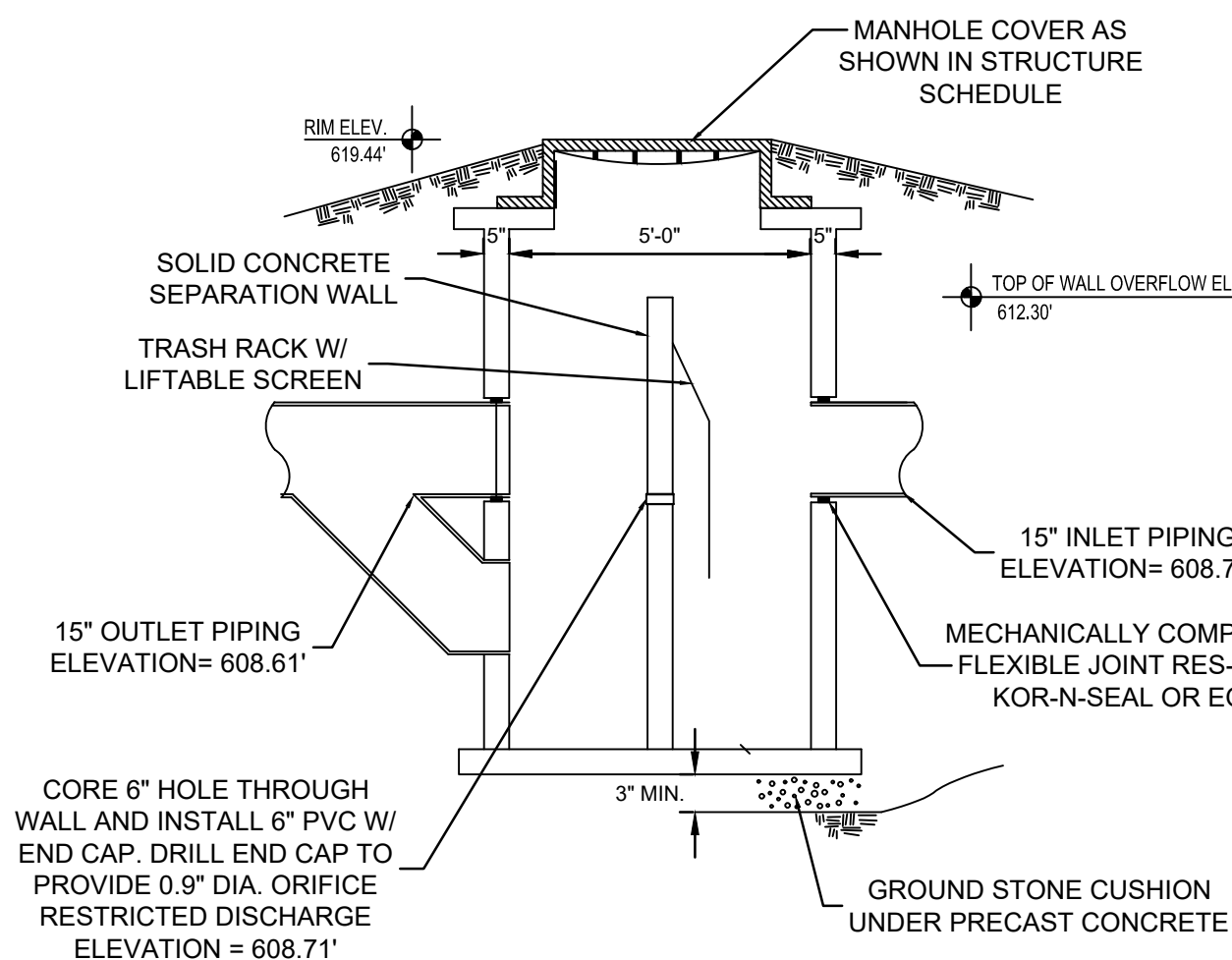


NOTE: 1) PROVIDE 3/8\"/>

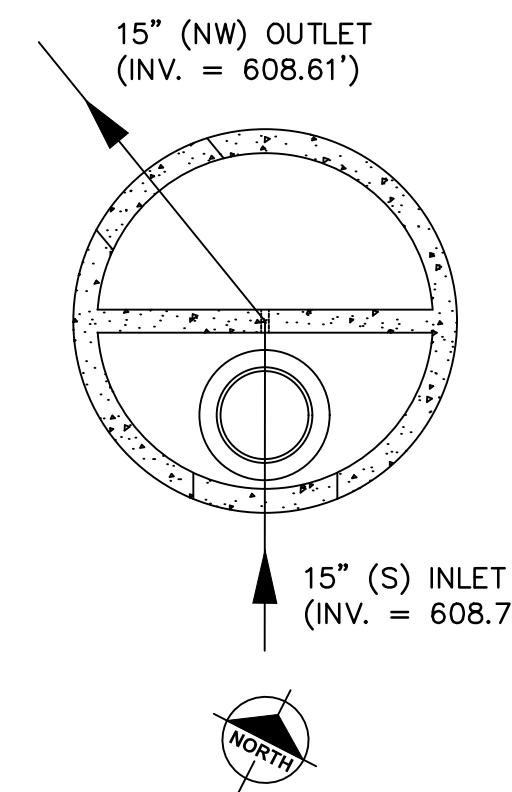
INTEGRAL WALK / CURB
NO SCALE



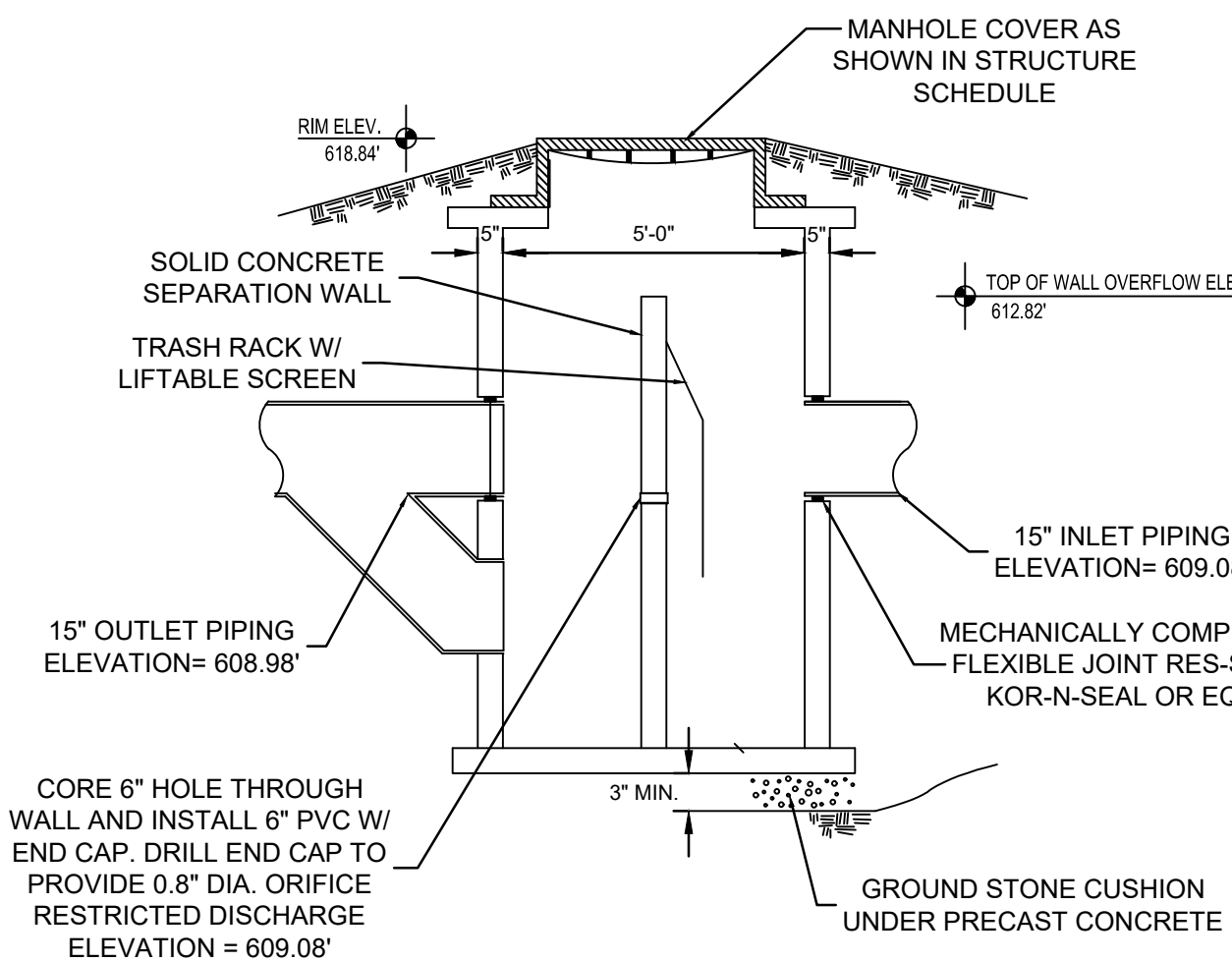
CATCH BASIN DETAIL
NO SCALE



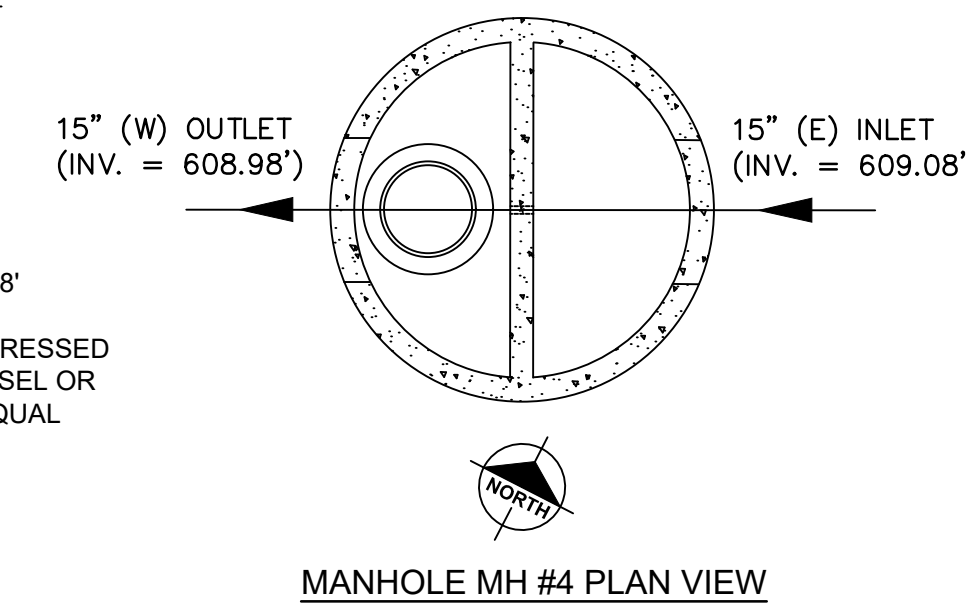
MANHOLE MH #1 SECTION VIEW
NO SCALE



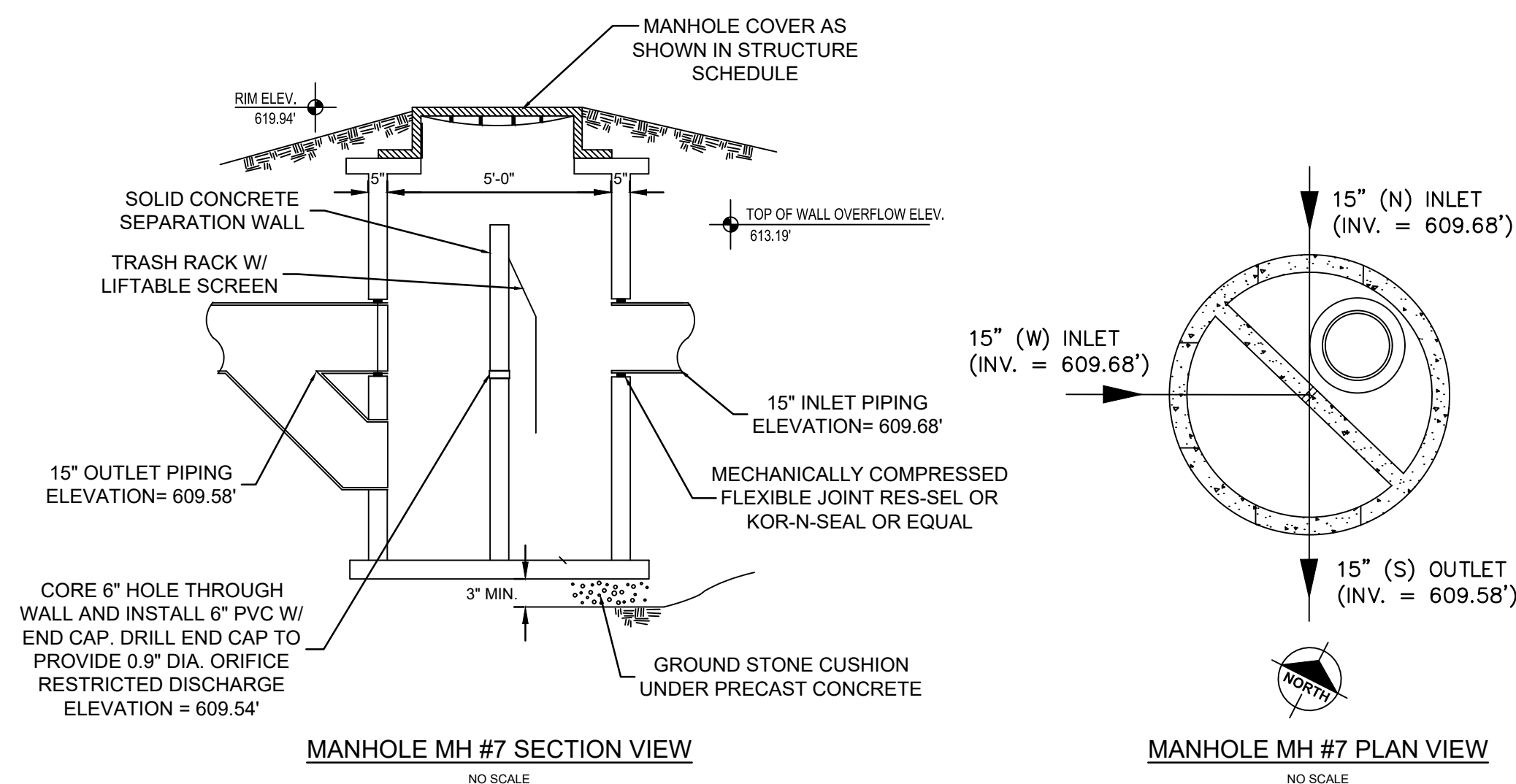
MANHOLE MH #1 PLAN VIEW
NO SCALE



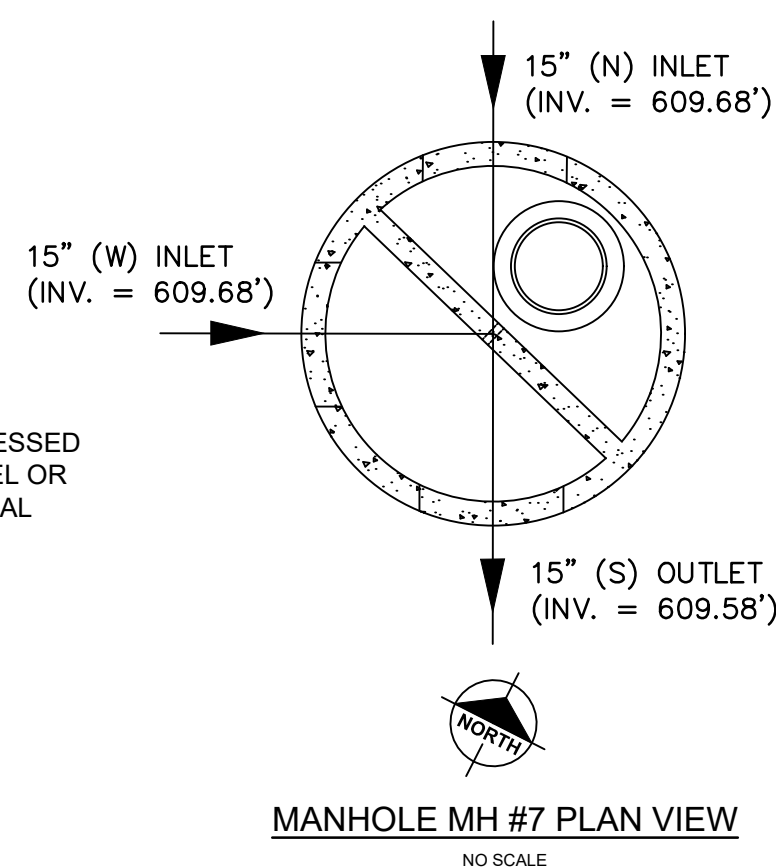
MANHOLE MH #4 SECTION VIEW
NO SCALE



MANHOLE MH #4 PLAN VIEW
NO SCALE



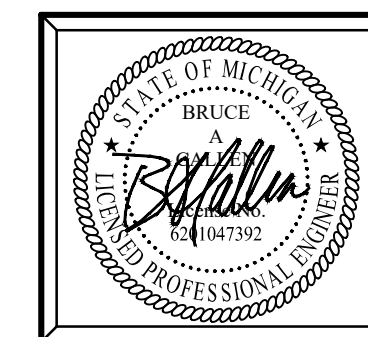
MANHOLE MH #7 SECTION VIEW
NO SCALE



MANHOLE MH #7 PLAN VIEW
NO SCALE



Know what's
Call before you dig.



Plan Prepared By:
Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456
Tel: 616-414-5260
email: bcallen@callenengineering.com

For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

DATE OF PLAN: 08-01-25

THE SANCTUARY BREWSTER LDHA, LLC
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
248-833-0552

BREWSTER PHASE 1-3
631.651.671 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN

NO.	ISSUANCE / REVISION	DATE	BY
1	DATE	11-22-24	B.A.C.
2	DATE	12-06-24	B.A.C.
3	DATE	03-31-25	B.A.C.
4	DATE	08-01-25	B.A.C.

REVISION IN ACCORDANCE WITH CONSTRUCTION RECORDS

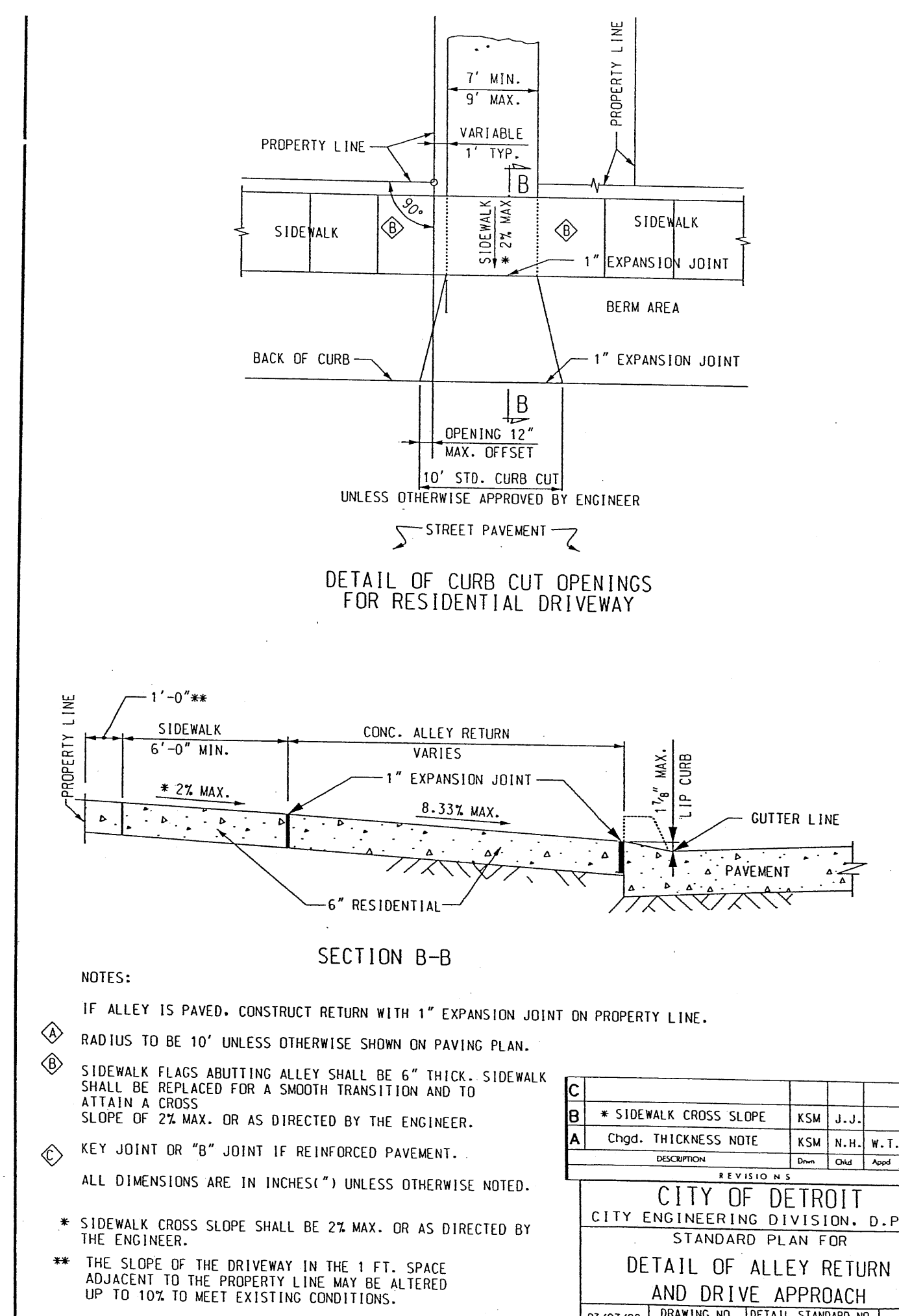
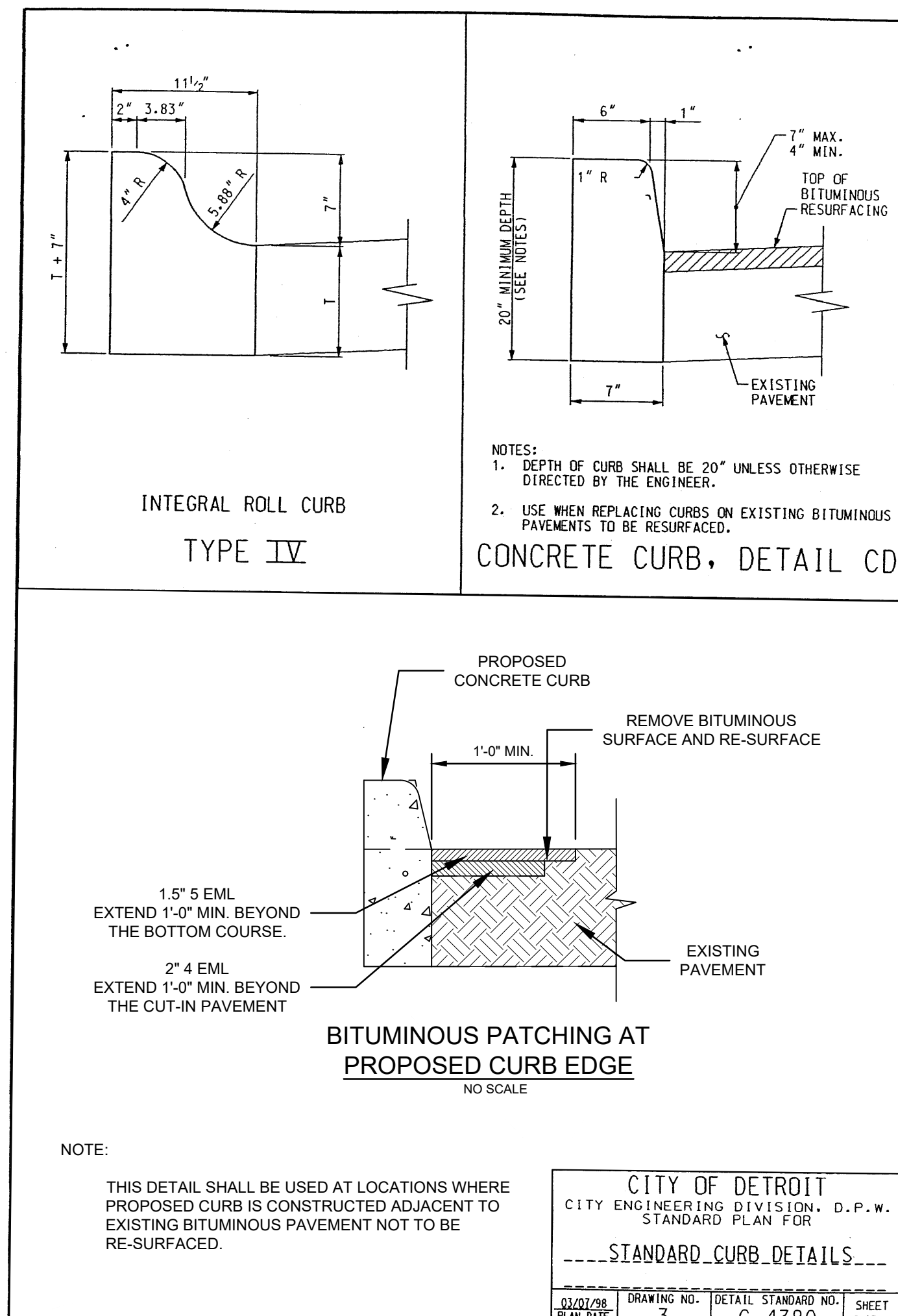
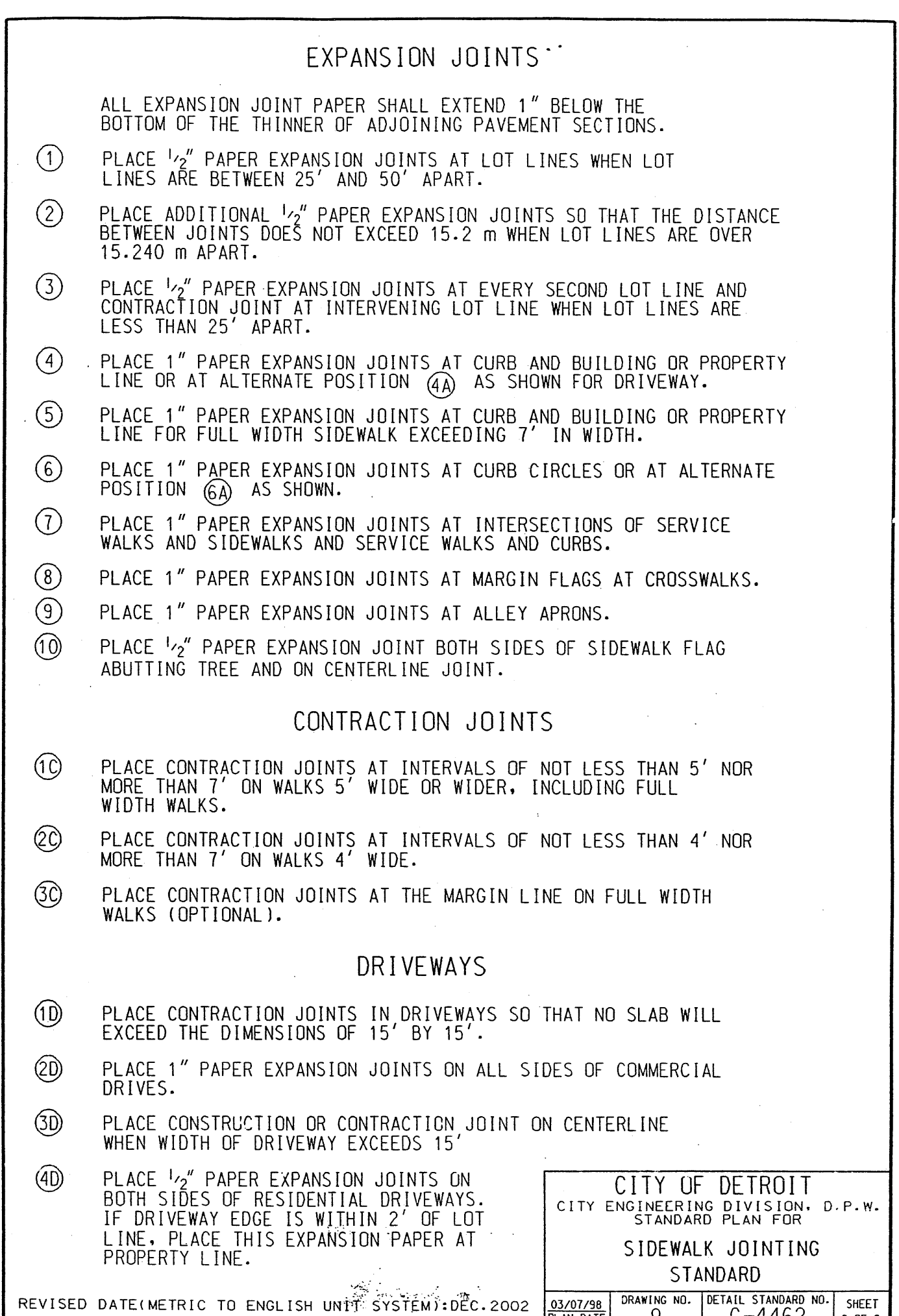
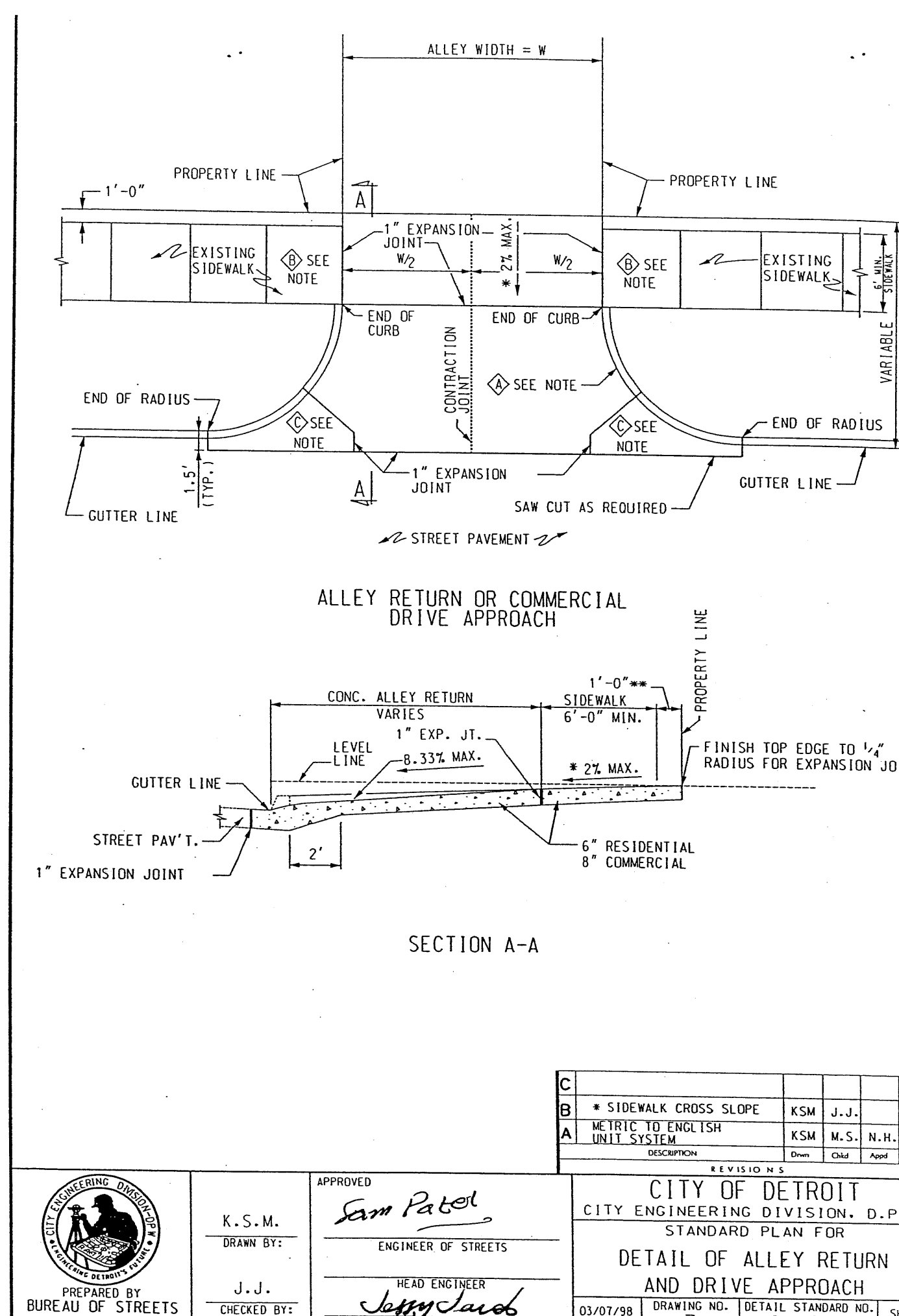
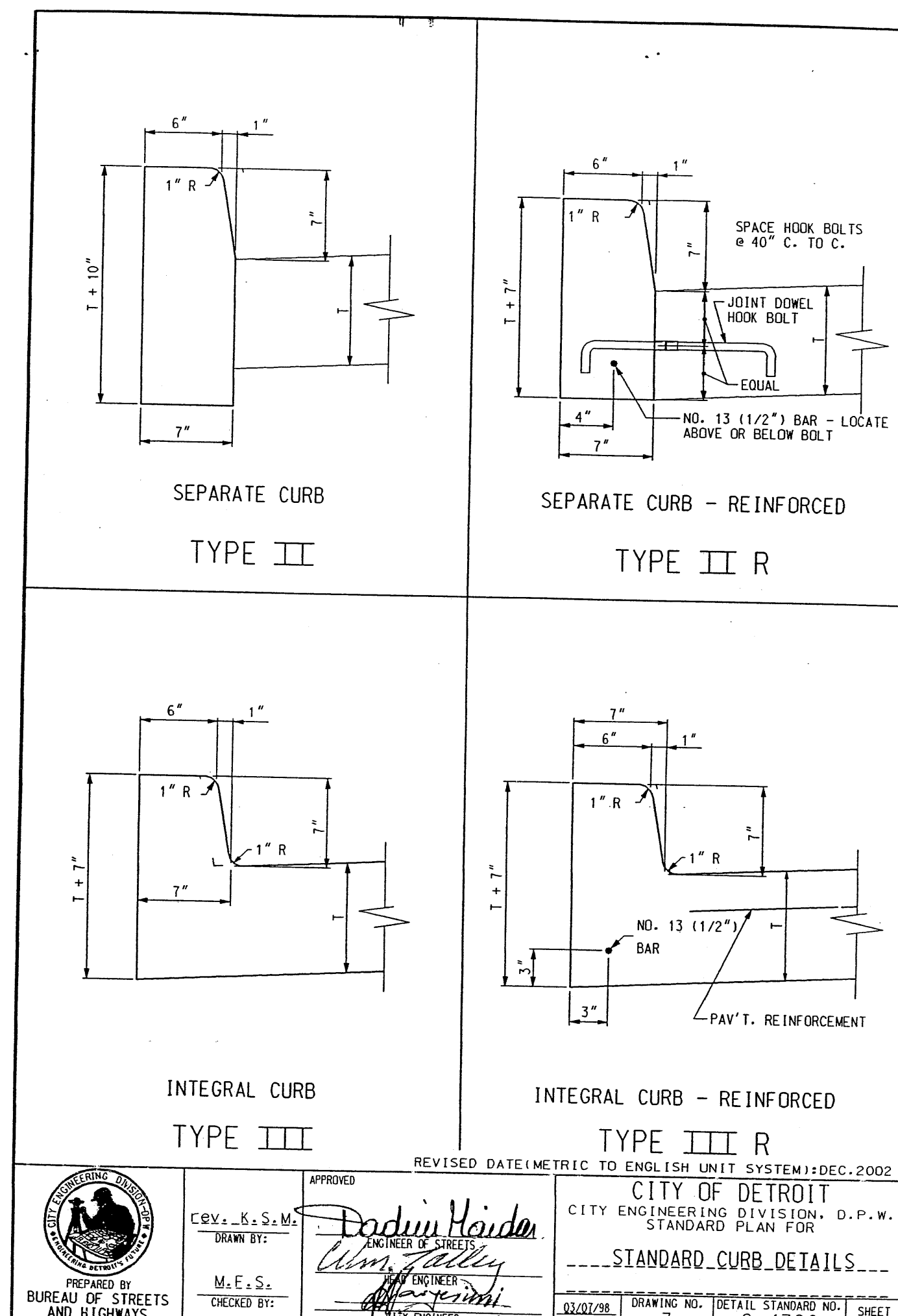
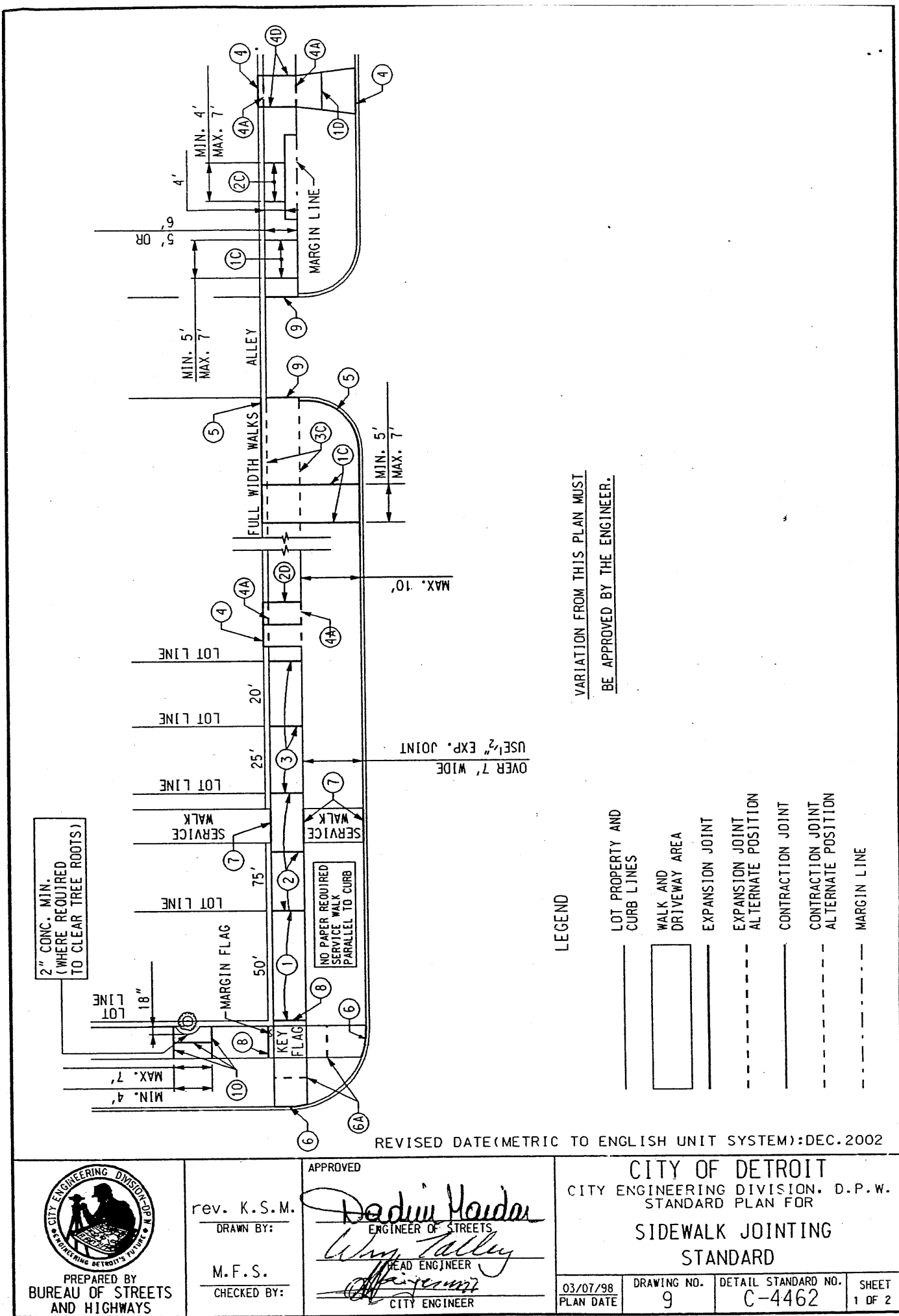
DRAWN BY	DATE
J.W.C.	SEP '24
ENGINEER	DATE
B.A.C.	SEP '24
EDIT	DATE
J.W.C.	AUG '25
SCALE	
DRAWING	PILOT SCALE
AS NOTED	1:1

PROJECT 023 BREWSTER SANCTUARY

SHEET NO. **C4.0**

Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T. 616.414.5260
www.callenengineering.com

callen
civil engineers



Know what's below.
Call before you dig.

PRELIMINARY - NOT FOR CONSTRUCTION

Scale: AS NOTED 1:1

PROJECT: 023 BREWSTER SANCTUARY

SHEET NO. C4.1

Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T.616.414.5260
www.callenengineering.com

callen
civil engineers

THE SANCTUARY BREWSTER LDHA, LLC
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
248-833-0552

BREWSTER PHASE 1-3
631.651.671 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN

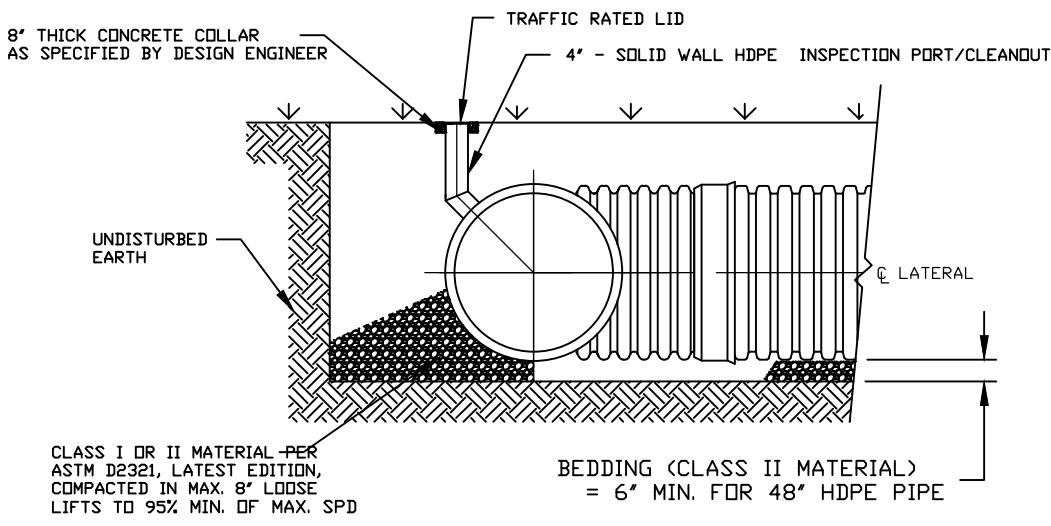
X-SECTIONS, NOTES, AND DETAILS

DRAWN BY: J.W.C. DATE: SEP '24
ENGINEER: B.A.C. DATE: SEP '24
EDIT: J.W.C. DATE: AUG '25

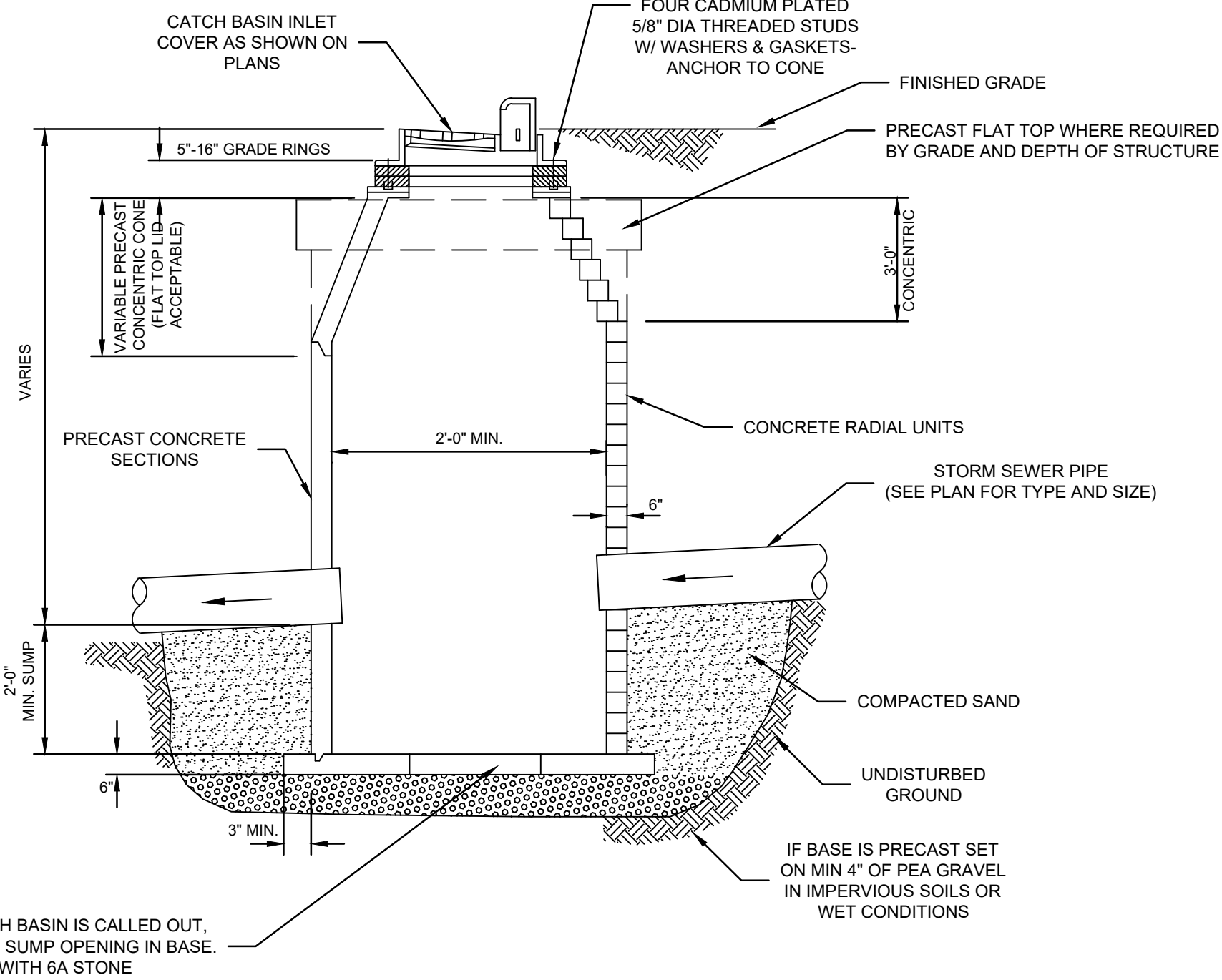
SCALE: AS NOTED 1:1

PROJECT: 023 BREWSTER SANCTUARY

SHEET NO. C4.1



INSPECTION PORT DETAIL
NO SCALE



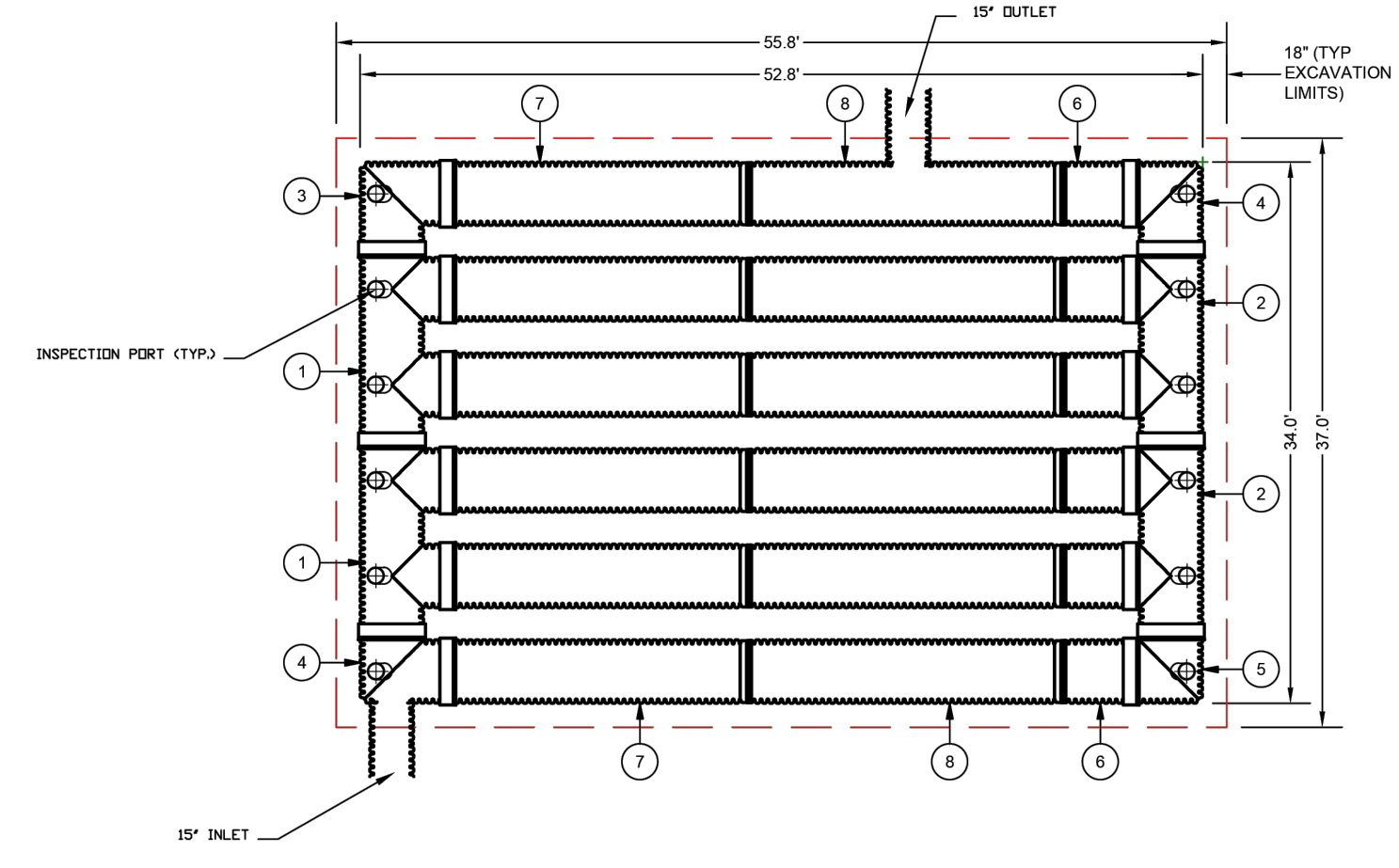
CATCH BASIN DETAIL
NO SCALE

ITEM	QTY	ALT. QTY	PART #	DESCRIPTION	STAN.	VENDOR	NOTE
1	2		4252AN8SG	42" WT DOUBLE MANIFOLD TEE (B&MBG)	STAN	ADS	SEE DETAIL
2	2		4252AN8SG	42" WT DOUBLE MANIFOLD TEE (G&G&B)	STAN	ADS	SEE DETAIL
3	1		4252AN8SG	42" WT MANIFOLD 90 DEG BEND (B&B)	STAN	ADS	SEE DETAIL
4	2		4252AN8SG	42" WT MANIFOLD 90 DEG BEND (B&B)	STAN	ADS	SEE DETAIL
5	1		4252AN8SG	42" WT MANIFOLD 90 DEG BEND (G&G)	STAN	ADS	SEE DETAIL
6	6 STICKS		STICK-1	42" N12 HWY WTIB SOLID 20'	CUS	ADS	SEE DETAIL
7	6 STICKS		STICK-2	42" N12 HWY WTIB SOLID 20'	CUS	ADS	SEE DETAIL
8	6 STICKS	119 LF	4252020B	42" N12 HWY WTIB SOLID 20'	STAN	ADS	AS SHOWN
9	2 ROLLS	1000 SY	0601TG	601 15' X 300' (60 SY) (NTPP SCAN) (20% OVERAGE)	STAN	ADS	SEE DETAIL
10	10276 CF	381 CY	NA	EXCAVATION	NA	NA	NOT SHOWN

NOTES

- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE PIPE COVER REQUIREMENTS ARE MET.
- STUB SIZES AND INVERTS TO BE VERIFIED BY THE SITE DESIGN ENGINEER PRIOR TO FABRICATION.
- ADS RISERS ARE FABRICATED 36" (900 mm) FROM TOP-OF-PIPE TO TOP-OF-RISER DUE TO SHIPPING LIMITATIONS. ADDITIONAL PIPE AND COUPLERS CAN BE USED TO EXTEND THE RISERS TO GRADE.
- LAYOUT SHOWN DOES NOT INCLUDE ADDITIONAL PIPE A MANIFOLD NEEDED FOR PROPER PIPE INSERTION INTO STRUCTURES.
- NOT FOR CONSTRUCTION:** THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

STORAGE VOLUME PROVIDED THIS SYSTEM = 3,191 CFT

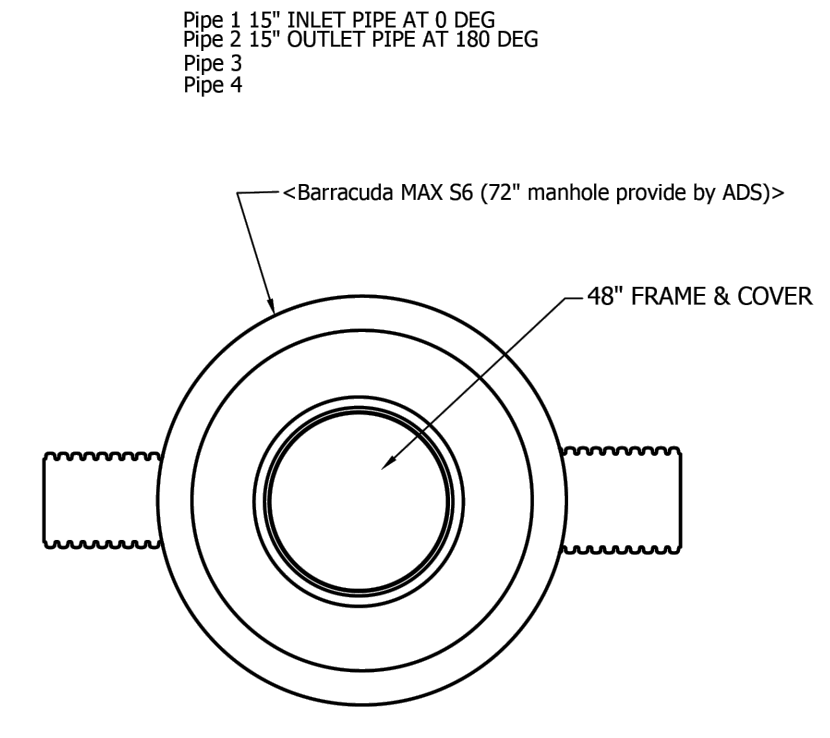
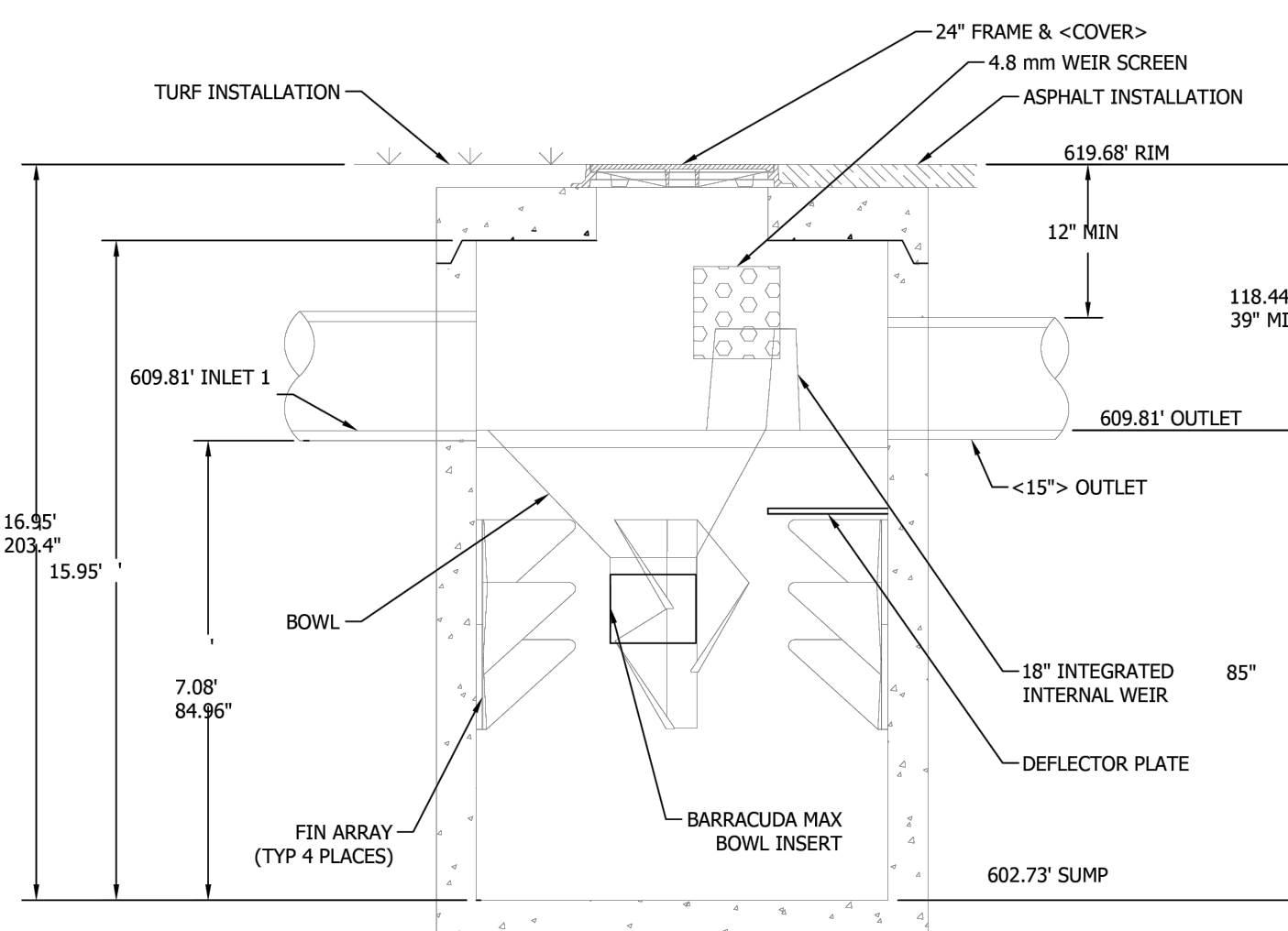


ADS GEOTEXTILE FABRIC

BARRACUDA MAX S6	MMHS
UNIT ID	NA
PEAK FLOW RATE (CFS)	0.63
TREATMENT FLOW RATE (CFS)	0.63

PRODUCT SPECIFICATIONS

- THE STORMWATER TREATMENT UNIT SHALL BE AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.
- THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL SCALE THIRD PARTY TESTING USING OK-110 MEDIA GRADATION OR EQUIVALENT AND 300 mg/L INFLUENT CONCENTRATION. SAID FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.
- OR-
- THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH d50=75 MICRON AND 200 MG/L INFLUENT CONCENTRATION.
- OR-
- THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS PER CURRENT NJDEPNJCAT HDS PROTOCOL.



SECTION VIEW A-A
N.T.S.

PLAN VIEW
N.T.S.

BREWSTER PHASE 1	DETROIT-MI
DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM
DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

ISSUANCE / REVISION	DATE	BY
1	11-22-24	B.A.C.
2	12-06-24	B.A.C.
3	03-31-25	B.A.C.
4	08-01-25	B.A.C.

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

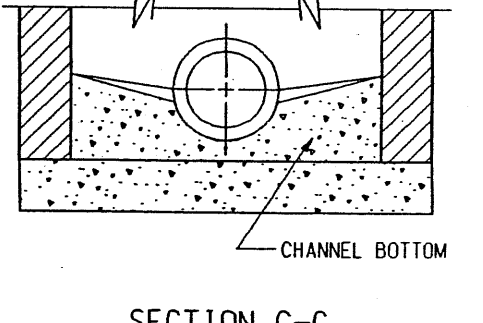
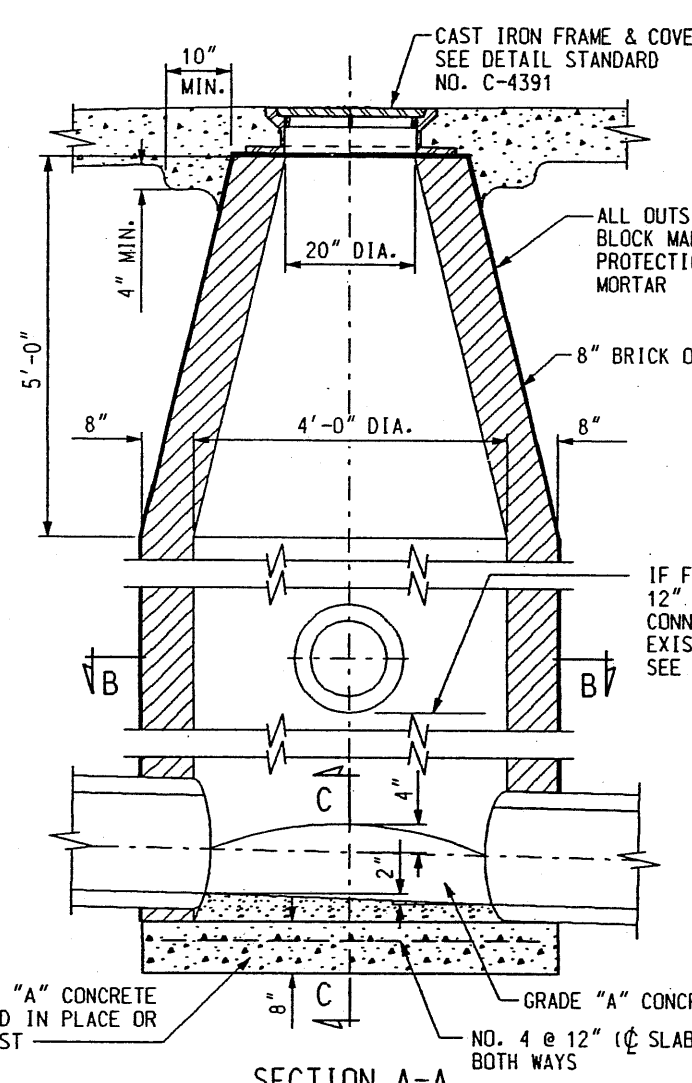
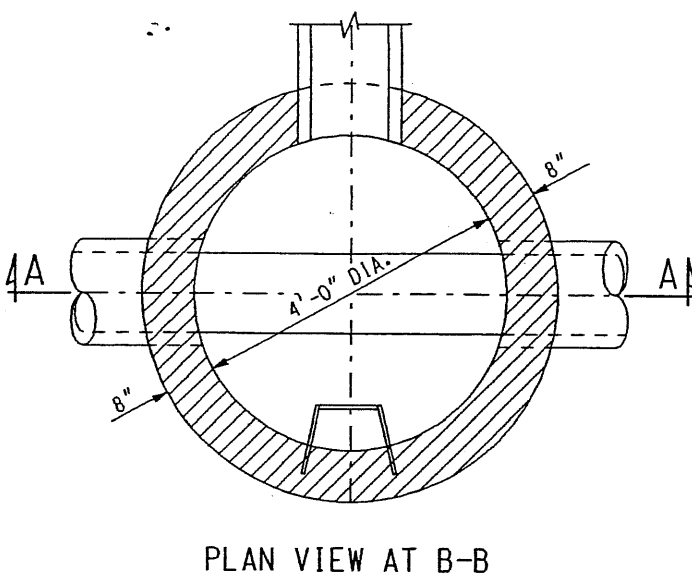
DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM

DATE	11/20/24
PROJECT #	24-001
DESCRIPTION	STORMWATER MANAGEMENT SYSTEM



SEWER MANHOLE

REVISOR DATE/METRIC TO ENGLISH UNIT SYSTEM: DEC. 2002

CITY OF DETROIT

CITY ENGINEERING DIVISION, D.P.W.

STANDARD PLAN FOR

STANDARD SEWER AND

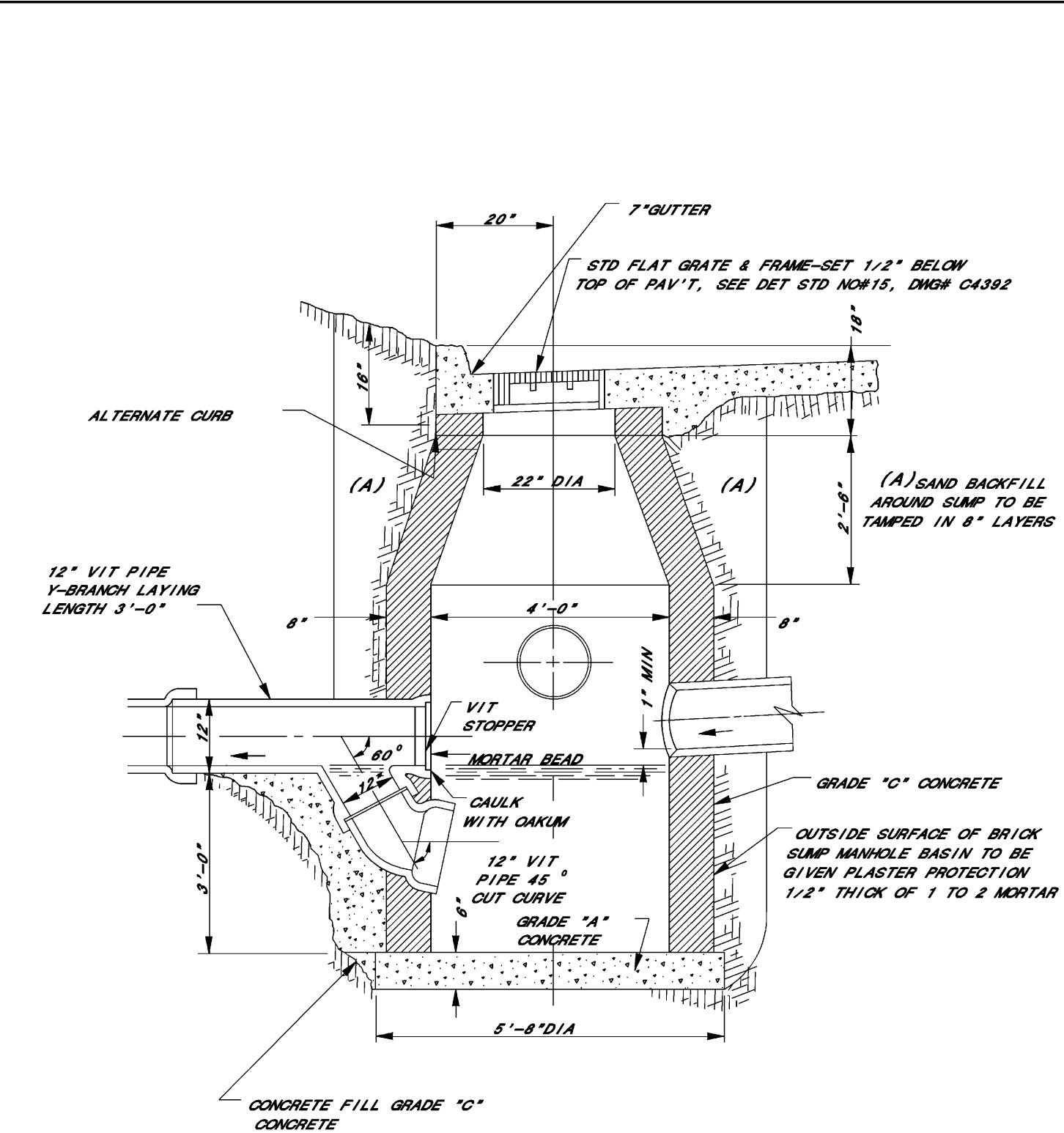
DROP MANHOLES

03/07/98

10

C-4387

1 OF 3



SECTION	MAP	TOWN	RANGE	STATION	PORTION
C					
B					
A					
DESCRIPTION	DATE	APP	DATE	DATE	DATE
REVISIONS					
1	A. H. BARAKA	5-03			
2	N. LITVIN	5-03			
APPROVED					

MANHOLE BASIN
WITH
WYE BRANCH TRAP

CITY OF DETROIT	WATER AND SEWERAGE DEPARTMENT	ENGINEERING DIVISION
CONT		
A-20		



Plan Prepared By:
Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456
Tel: 616-414-5260
email: bcallen@callenengineering.com

PRELIMINARY - NOT
FOR CONSTRUCTION

For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

DATE OF PLAN: 08-01-25

Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T. 616.414.5260
www.callenengineering.com



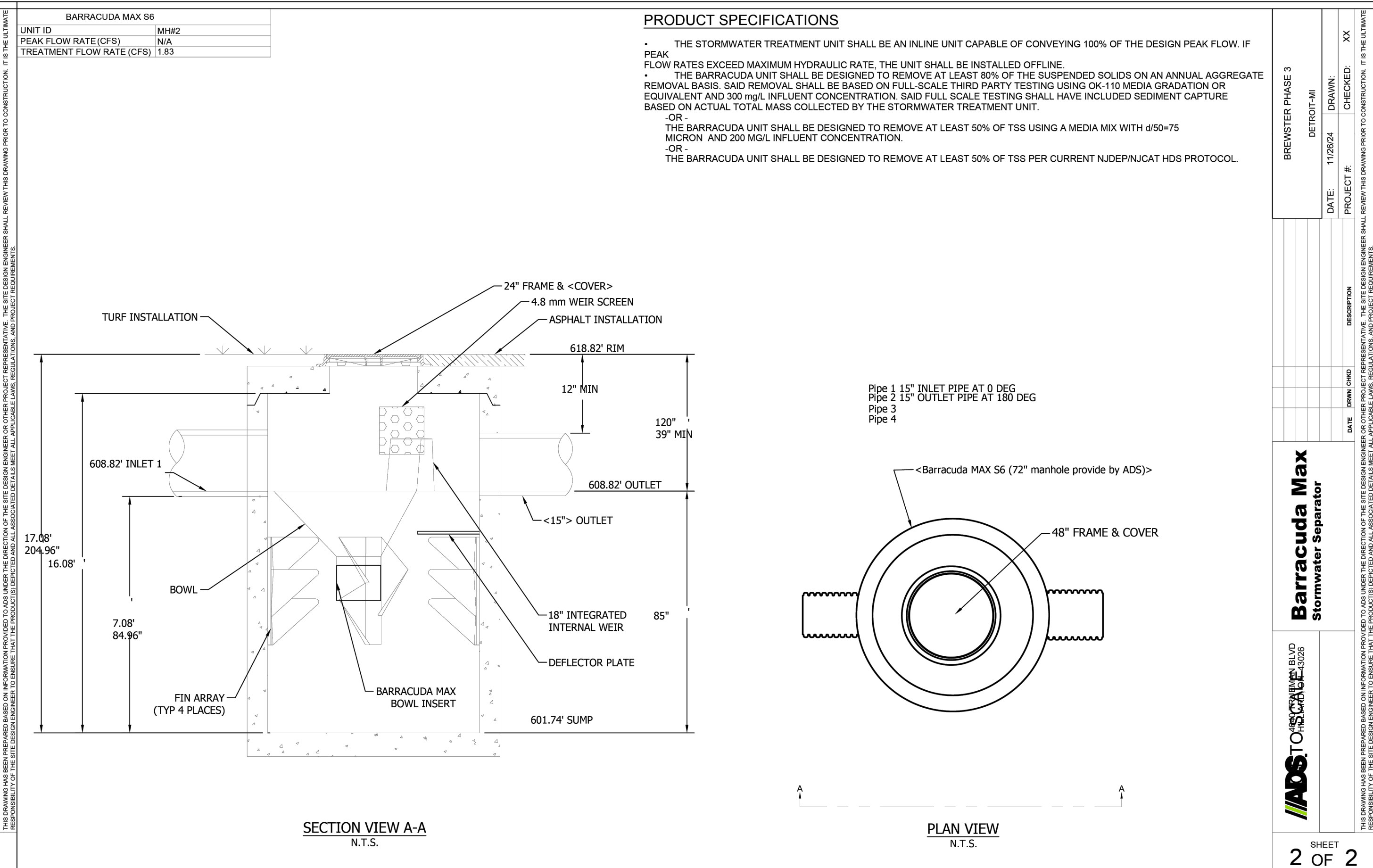
MHT HOUSING, INC.
32500 TELEGRAPH ROAD, SUITE 100
BINGHAM FARMS, MI 48025
248-833-0552

NO.	DATE	BY
1	11-22-24	B.A.C.
2	12-06-24	B.A.C.
3	03-31-25	B.A.C.
4	08-01-25	B.A.C.

BREWSTER PHASE 1-3
631.651.671 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN

NO.	DATE	BY
1	11-22-24	B.A.C.
2	12-06-24	B.A.C.
3	03-31-25	B.A.C.
4	08-01-25	B.A.C.

C4.2



ITEM	QTY	ALT QTY	PART #	DESCRIPTION	STAN	VENDOR	NOTE
1	1		4251AN65B	42" WT SINGLE MANIFOLD TEE (GxRxB)	STAN	ADS	SEE DETAIL
2	1		4251AN65G	42" WT SINGLE MANIFOLD TEE (GxGxB)	STAN	ADS	SEE DETAIL
3	3		4252AN65B	42" WT DOUBLE MANIFOLD TEE (RxBxGxB)	STAN	ADS	SEE DETAIL
4	3		4252AN65G	42" WT DOUBLE MANIFOLD TEE (GxBxGxB)	STAN	ADS	SEE DETAIL
5	1		4268AN65B	42" WT MANIFOLD 90 DEG BEND (RxB)	STAN	ADS	SEE DETAIL
6	2		4268AN65G	42" WT MANIFOLD 90 DEG BEND (RxB)	STAN	ADS	SEE DETAIL
7	1		4268AN65G	42" WT MANIFOLD 90 DEG BEND (GxB)	STAN	ADS	SEE DETAIL
8	9 STICKS		STICK 1	42" N12 HWY WTB SOLID 20"	GUS	ADS	SEE DETAIL
9	8 STICKS		STICK 2	42" N12 HWY WTB SOLID 20"	GUS	ADS	SEE DETAIL
10	9 STICKS	178 LF	4265G620B	42" N12 HWY WTB SOLID 20"	STAN	ADS	AS SHOWN
11	2 ROLLS	1000 SY	06011G	601.15' X 300' (500 SY) (NTP SEC SCAN) (20% OVERAGE)	STAN	ADS	SEE DETAIL
12	15863 CF	588 CY	NA	EXCAVATION	NA	NA	NOT SHOWN

NOTES

THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE PIPE COVER REQUIREMENTS ARE MET.

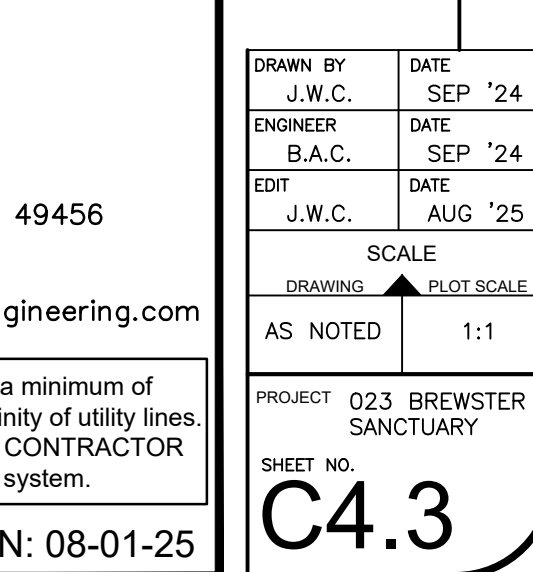
STUB SIZES AND INVERTS TO BE VERIFIED BY THE SITE DESIGN ENGINEER PRIOR TO FABRICATION.

ADS RISERS ARE FABRICATED 30" (800 mm) FROM TOP OF PIPE TO TOP OF RISER DUE TO SHIPPING LIMITATIONS. ADDITIONAL PIPE AND COUPLERS CAN BE USED TO EXTEND THE RISER TO GRADE.

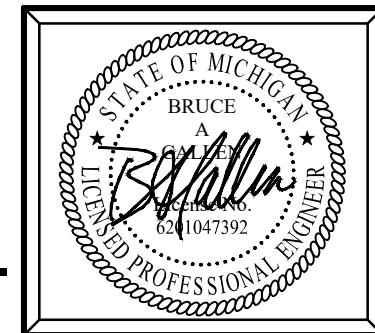
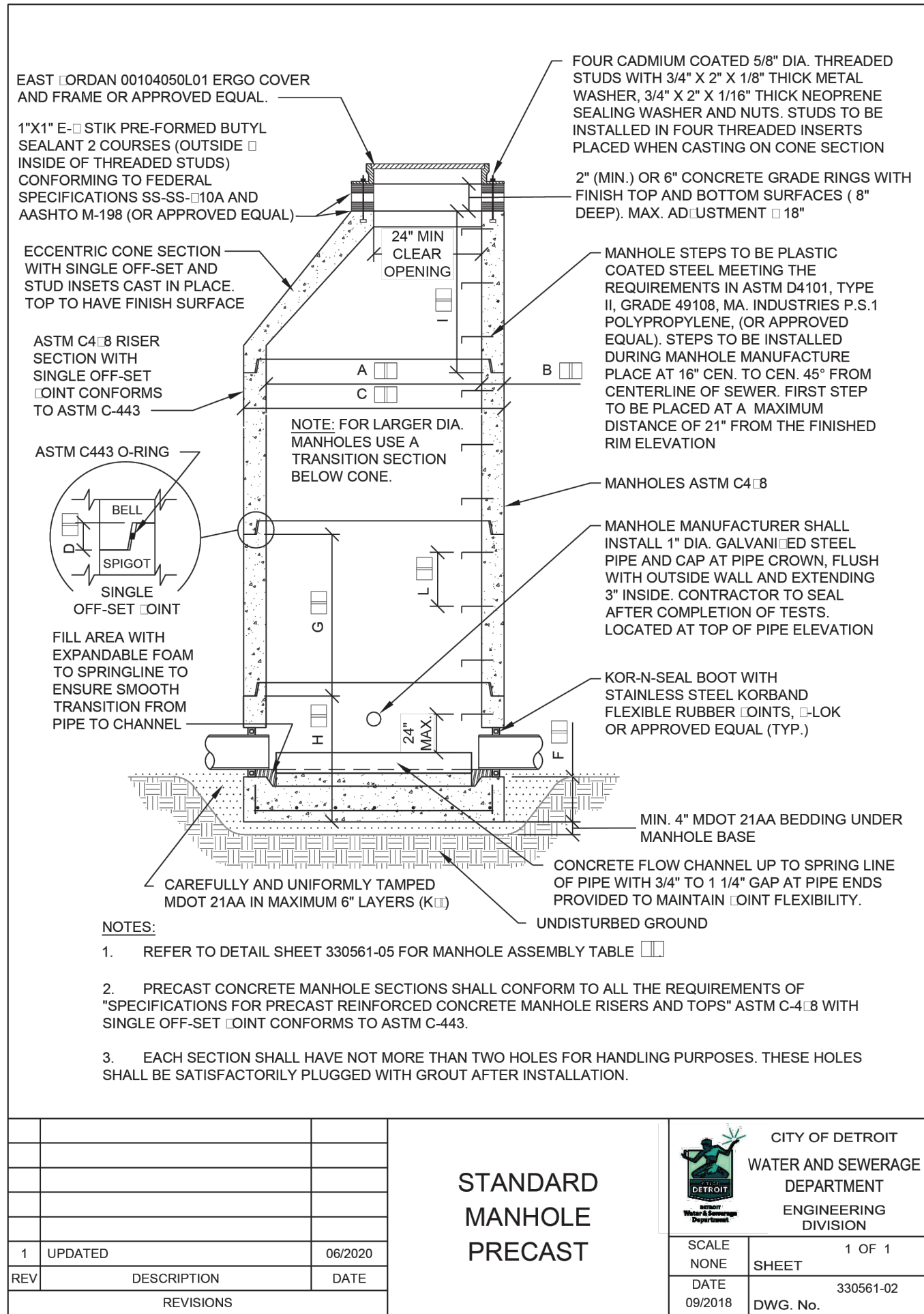
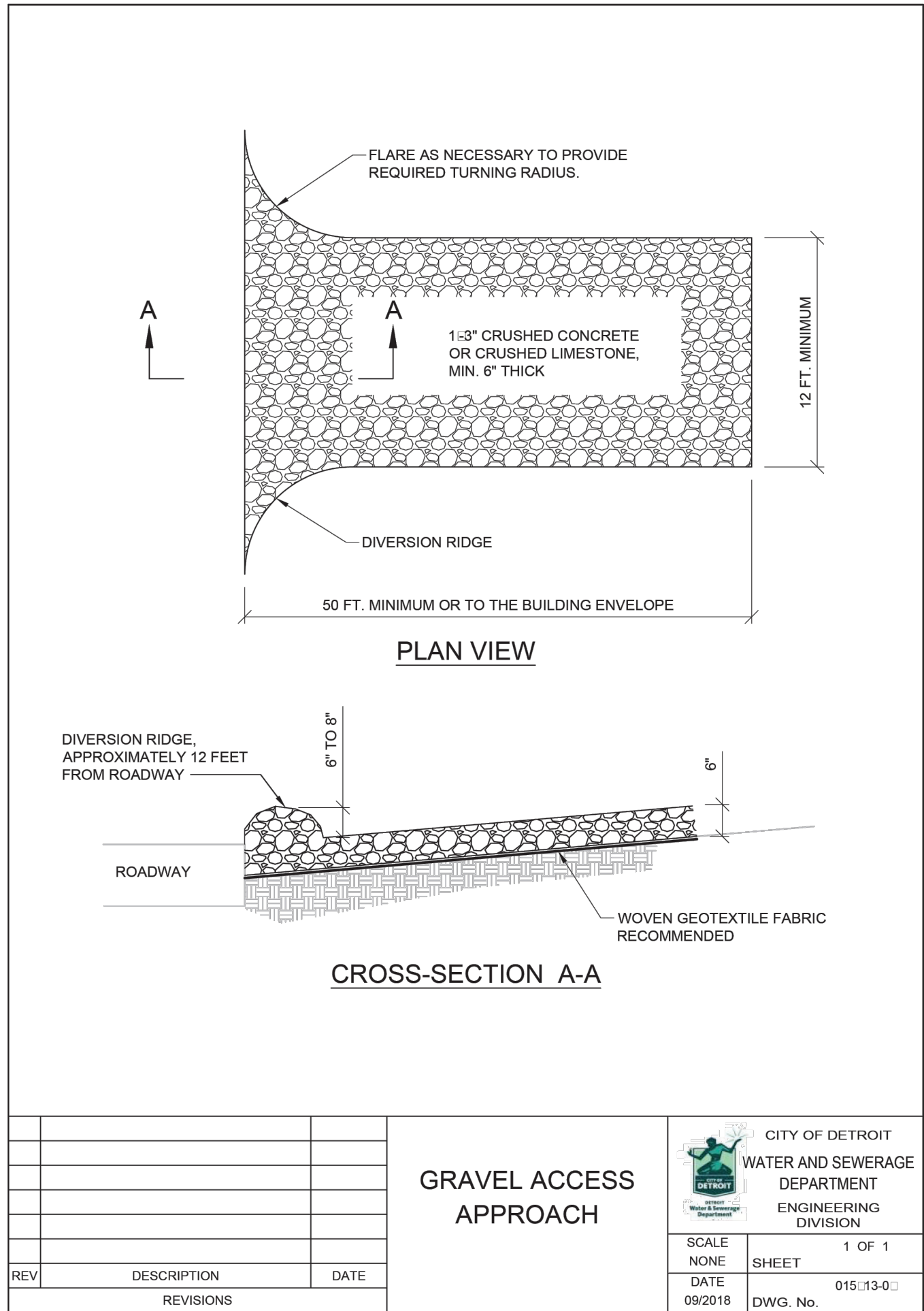
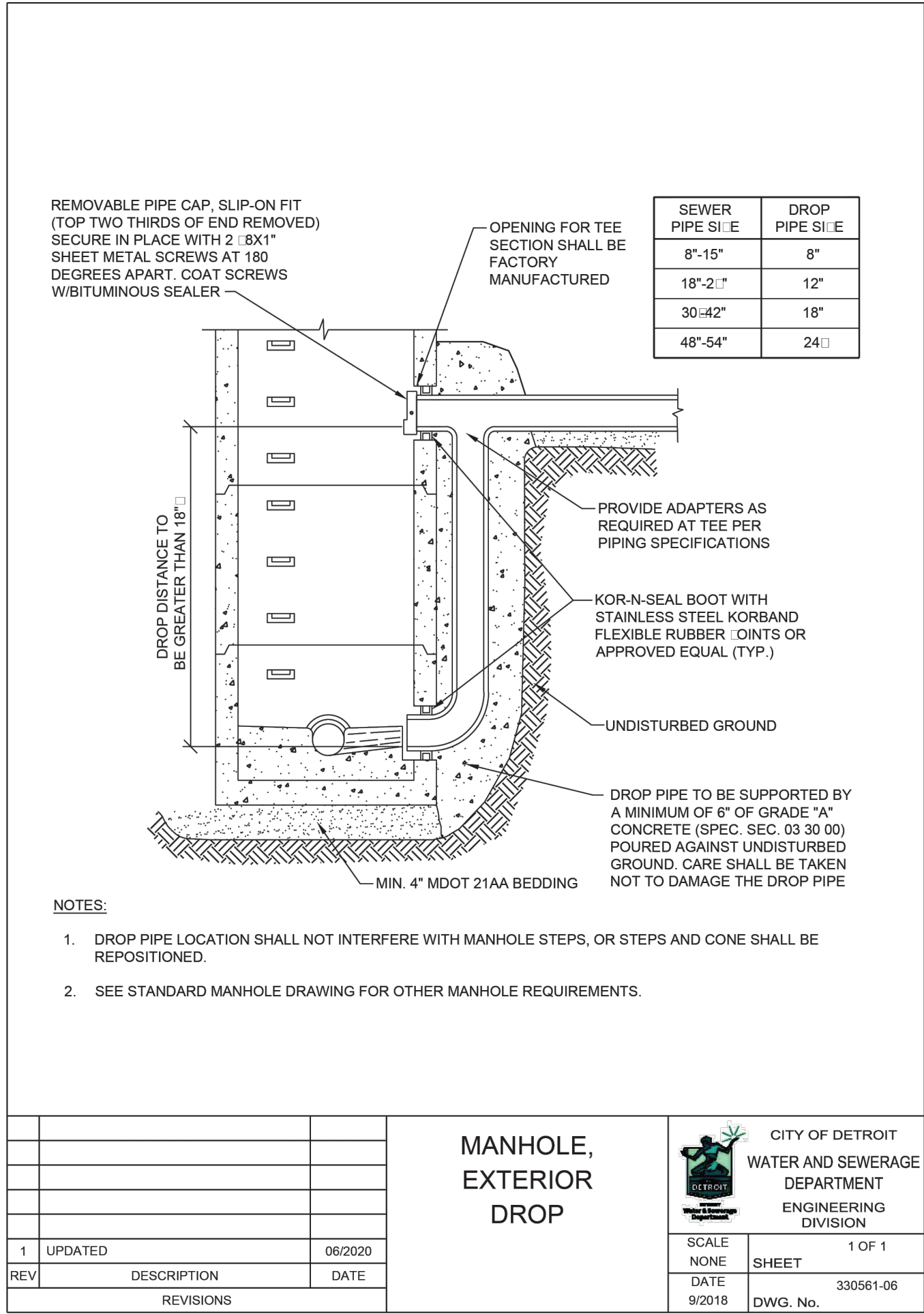
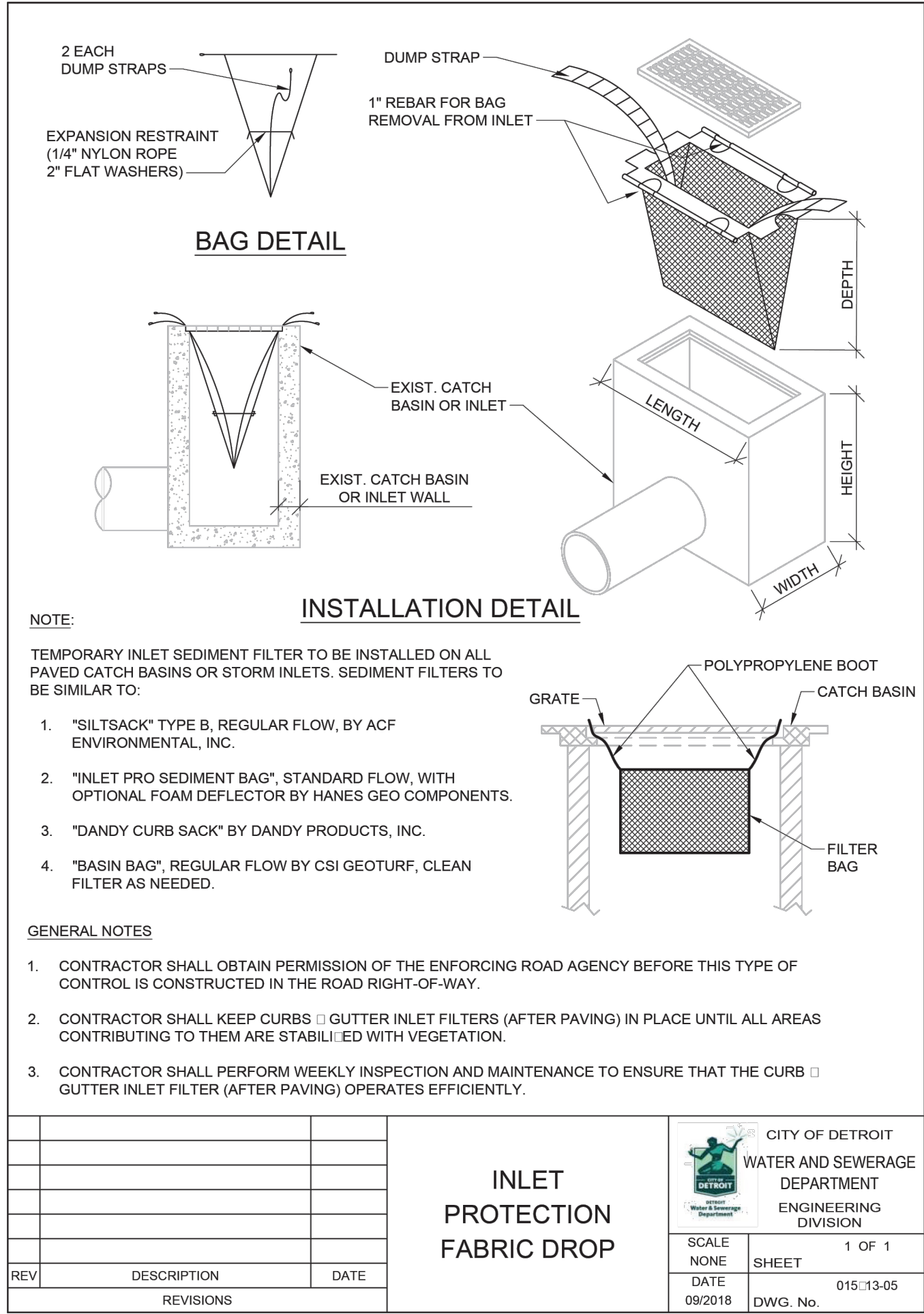
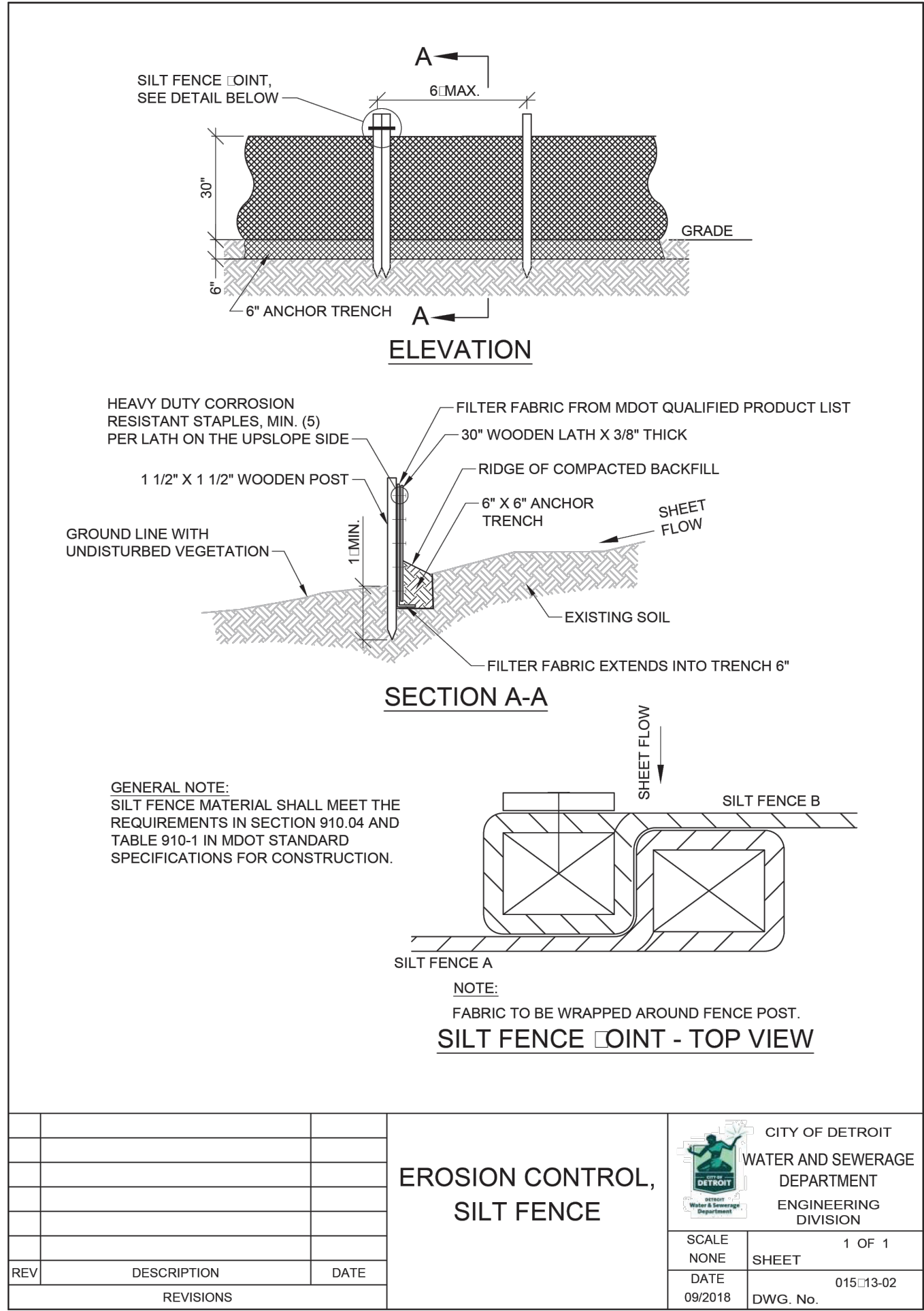
LAYOUT SHOWN DOES NOT INCLUDE ADDITIONAL PIPE & MANIFOLD NEEDED FOR PROPER PIPE INSERTION INTO STRUCTURES.

NOT FOR CONSTRUCTION: THIS LAYOUT IS FOR DIMENSIONAL PURPOSES ONLY TO PROVIDE CONCEPT & THE REQUIRED STORAGE VOLUME CAN BE ACHIEVED ON SITE.

STORAGE VOLUME PROVIDED THIS SYSTEM = 4,996 CFT



DRAWN BY J.W.C.		DATE SEP '24	
ENGINEER B.A.C.		DATE SEP '24	
EDIT J.W.C.		DATE AUG '25	
SCALE DRAWING  PLOT SCALE			
AS NOTED		1:1	
PROJECT Q23 BREWSTER SANCTUARY			
SHEET NO. C4.3			



PRELIMINARY - NOT FOR CONSTRUCTION

Plan Prepared By:
Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456
Tel: 616-414-5260
email: bcallen@callenengineering.com

For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

DATE OF PLAN: 08-01-25

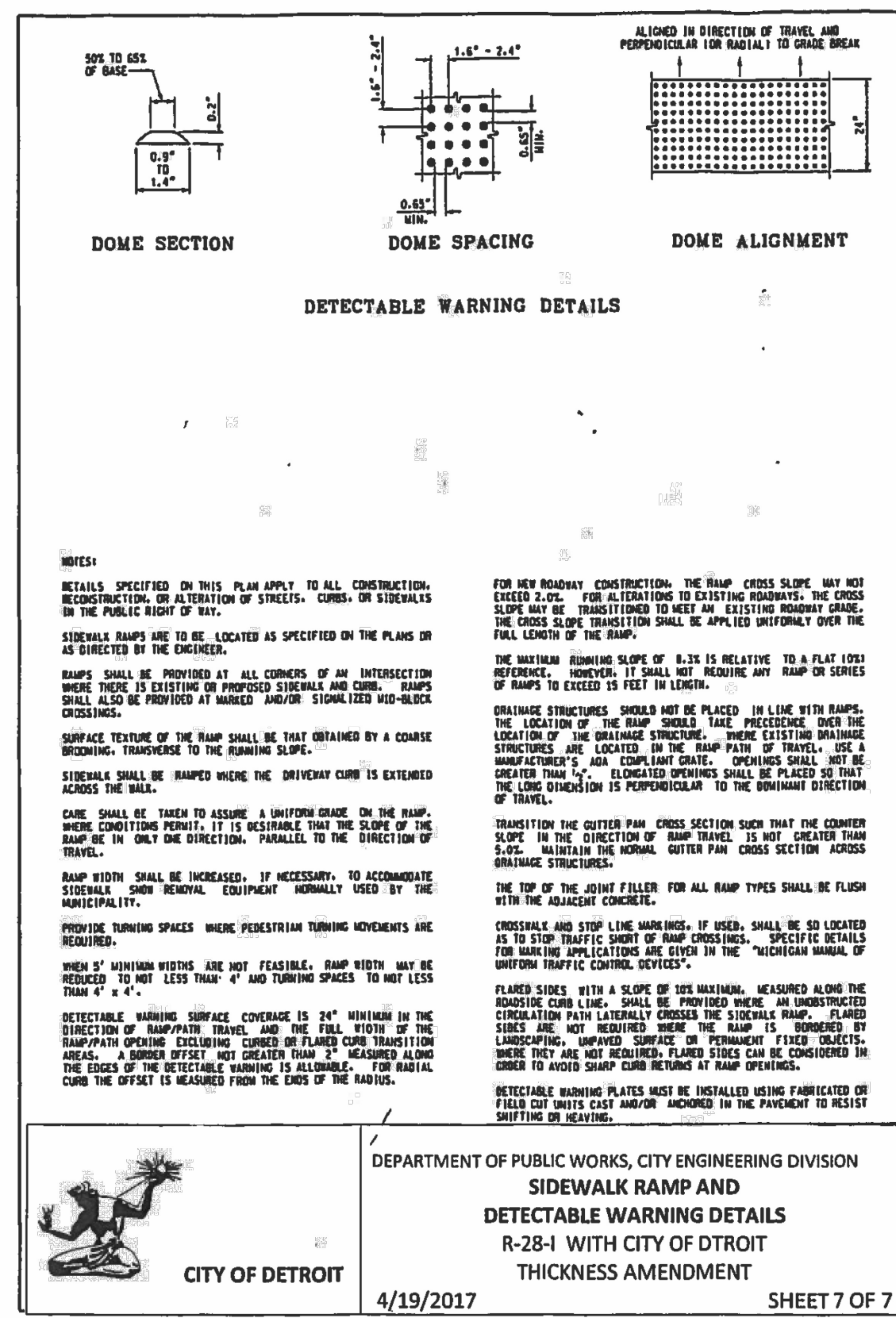
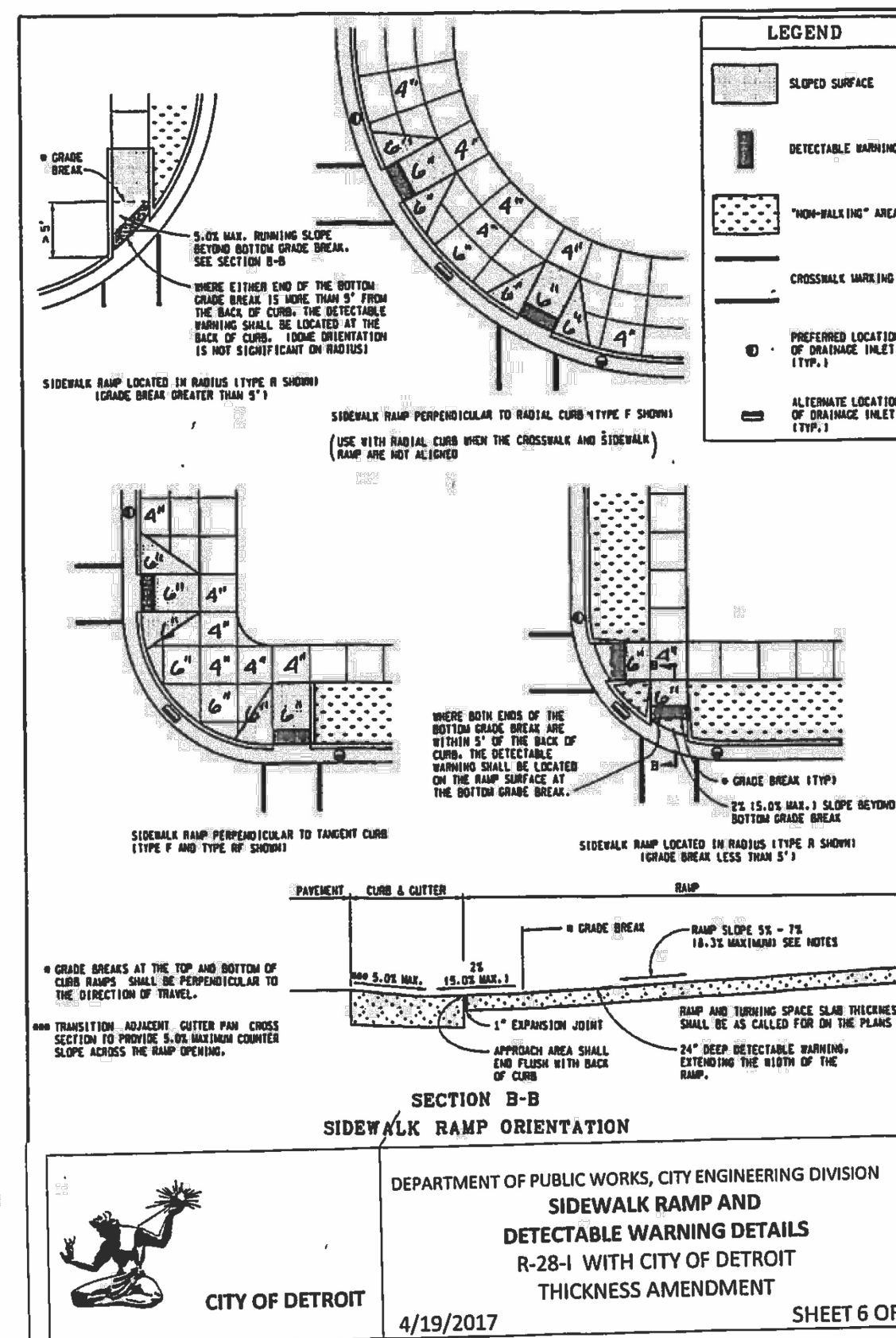
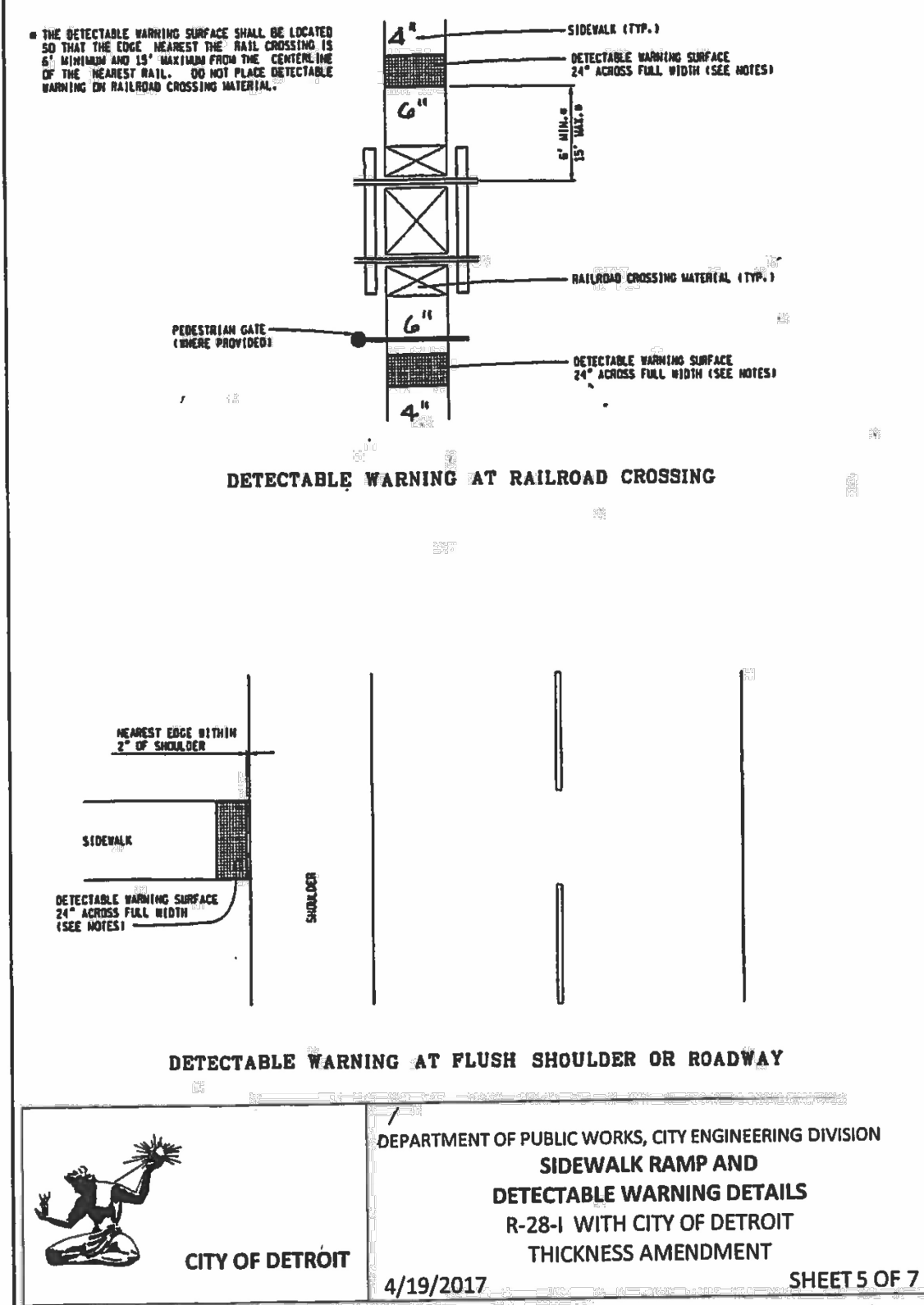
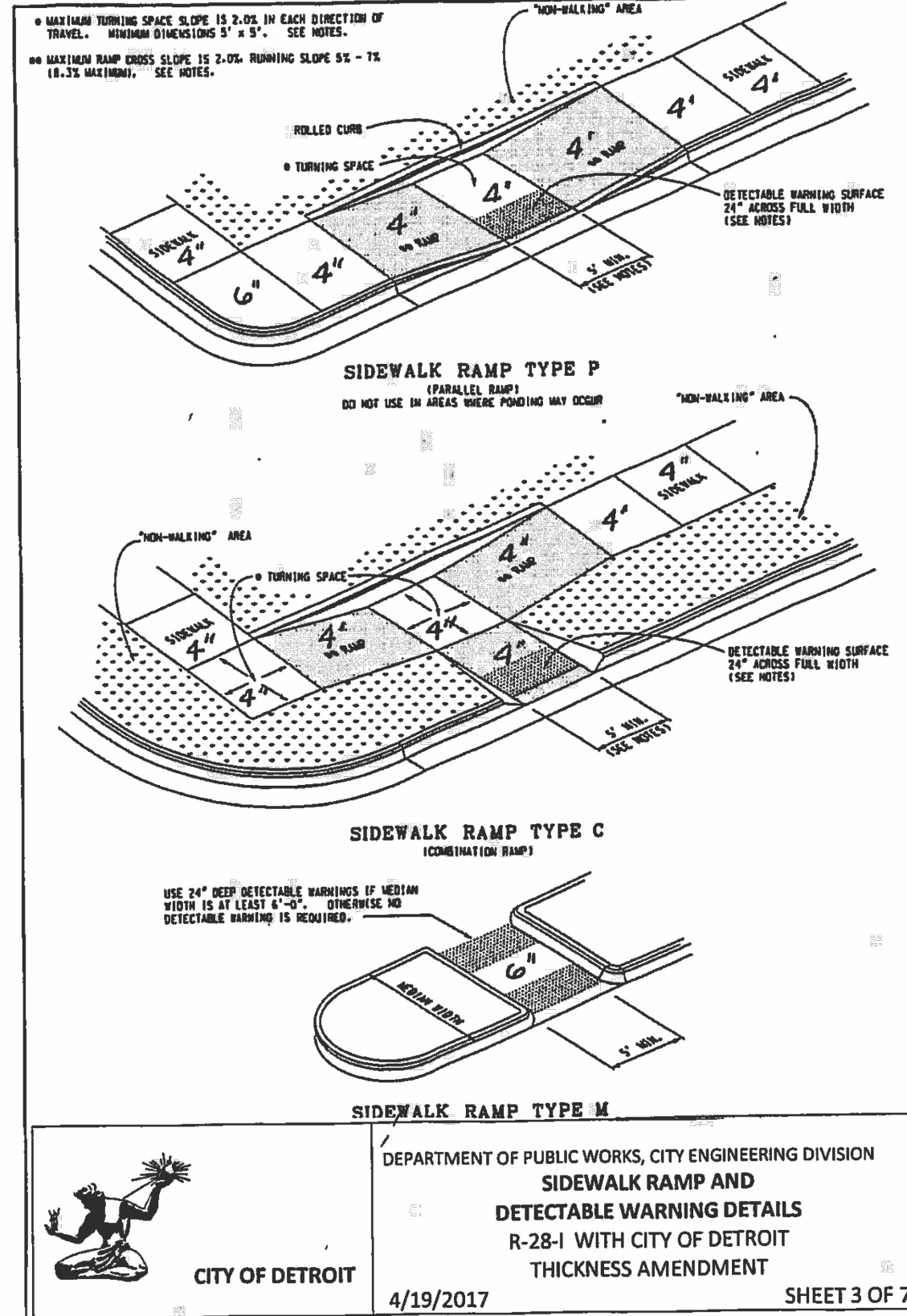
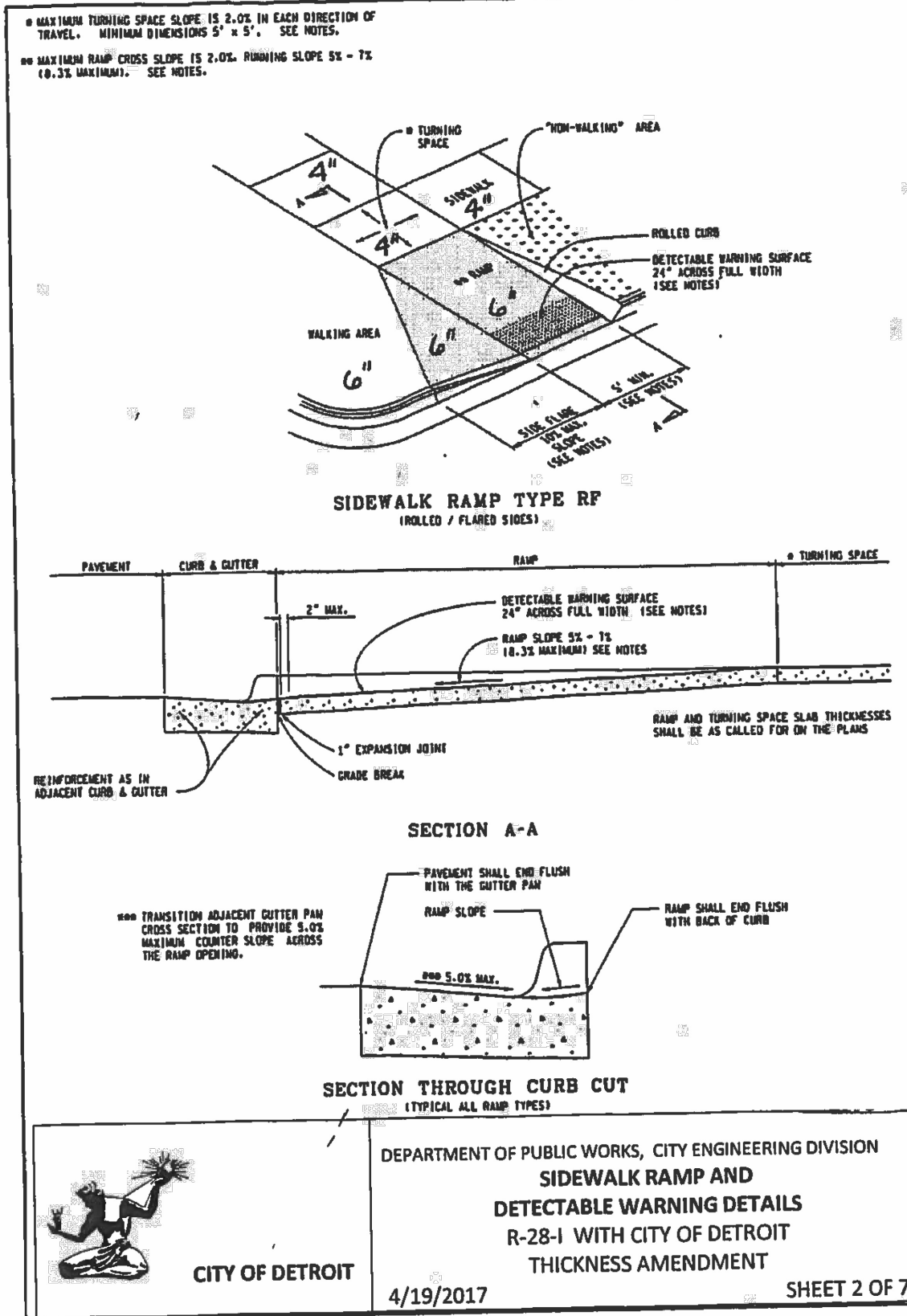
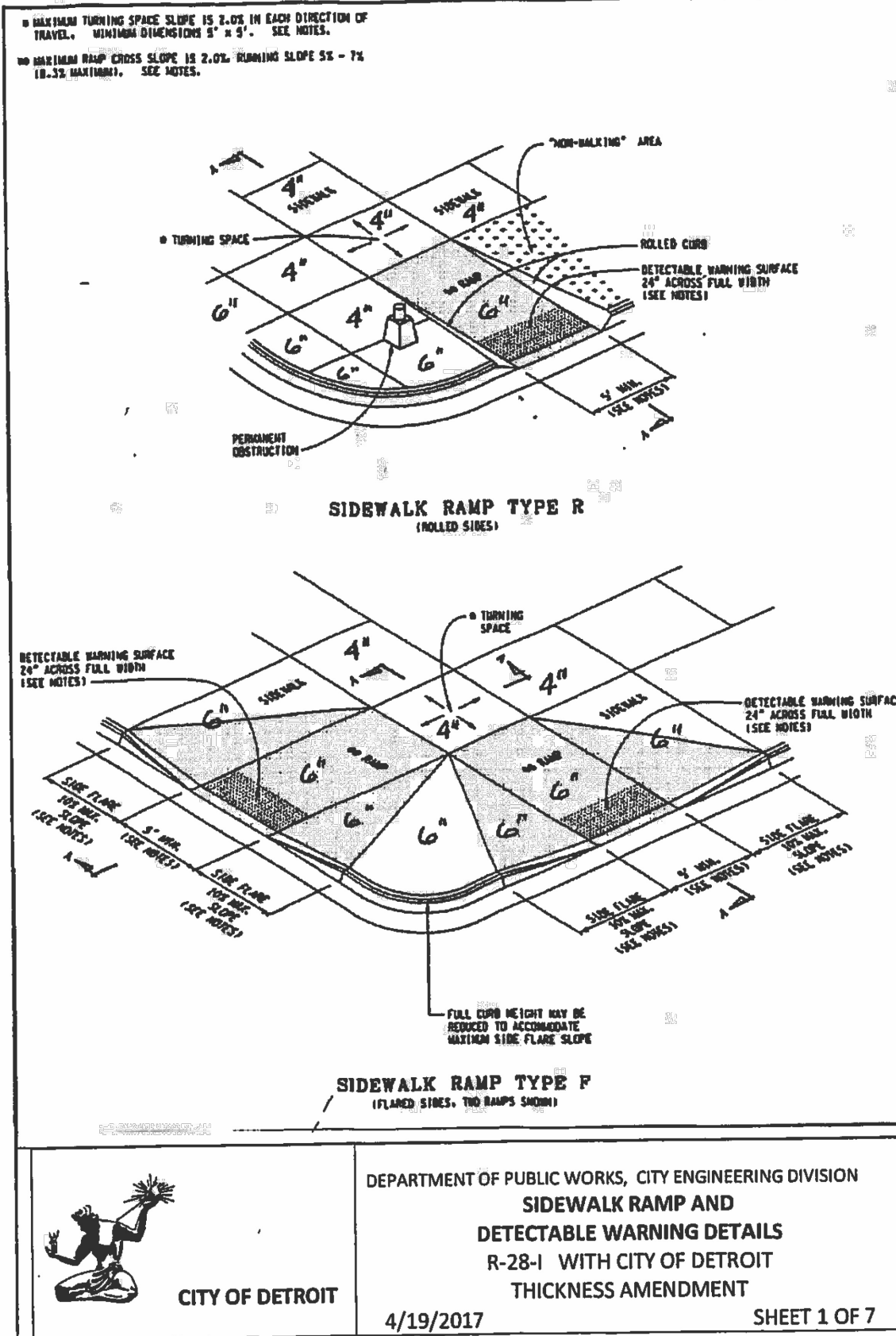
Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T: 616-414-5260
www.callenengineering.com

MHT HOUSING, INC.
32500 TELEGRAPH ROAD, SUITE 100
BINGHAM FARMS, MI 48025
248-833-0552

NO.	DATE	BY	ISSUANCE / REVISION
1	11-22-24	B.A.C.	SITE CDS
2	12-06-24	B.A.C.	BUILDING PERMIT
3	03-31-25	B.A.C.	SITE PLAN REVIEW RESPONSE #1
4	08-01-25	B.A.C.	SITE PLAN REVIEW RESPONSE #2

BREWSTER PHASE 1-3
631.651.671 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN
X-SECTIONS, NOTES, AND DETAILS

DRAWN BY J.W.C.	DATE SEP '24
ENGINEER B.A.C.	DATE SEP '24
EDIT J.W.C.	DATE AUG '25
SCALE DRAWING AS NOTED	SCALE PILOT SCALE 1:1
PROJECT 023 BREWSTER SANCTUARY	SHEET NO. C4.4



Know what's below.
Call before you dig.

For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

DATE OF PLAN: 08-01-25

Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T. 616.414.5260
www.callenengineering.com



MHT HOUSING, INC.
32500 TELEGRAPH ROAD, SUITE 100
BINGHAM FARMS, MI 48025
248-833-0552

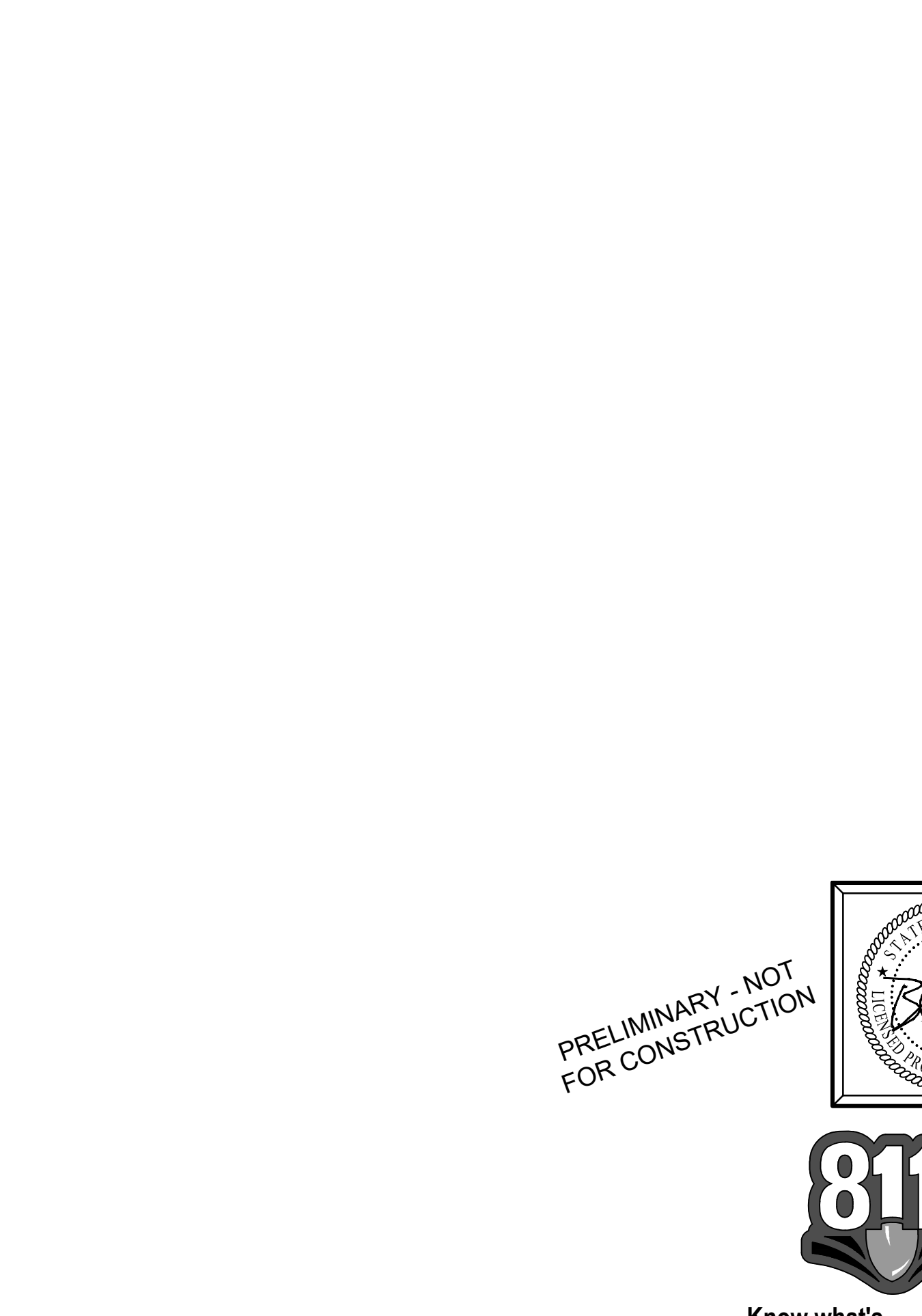
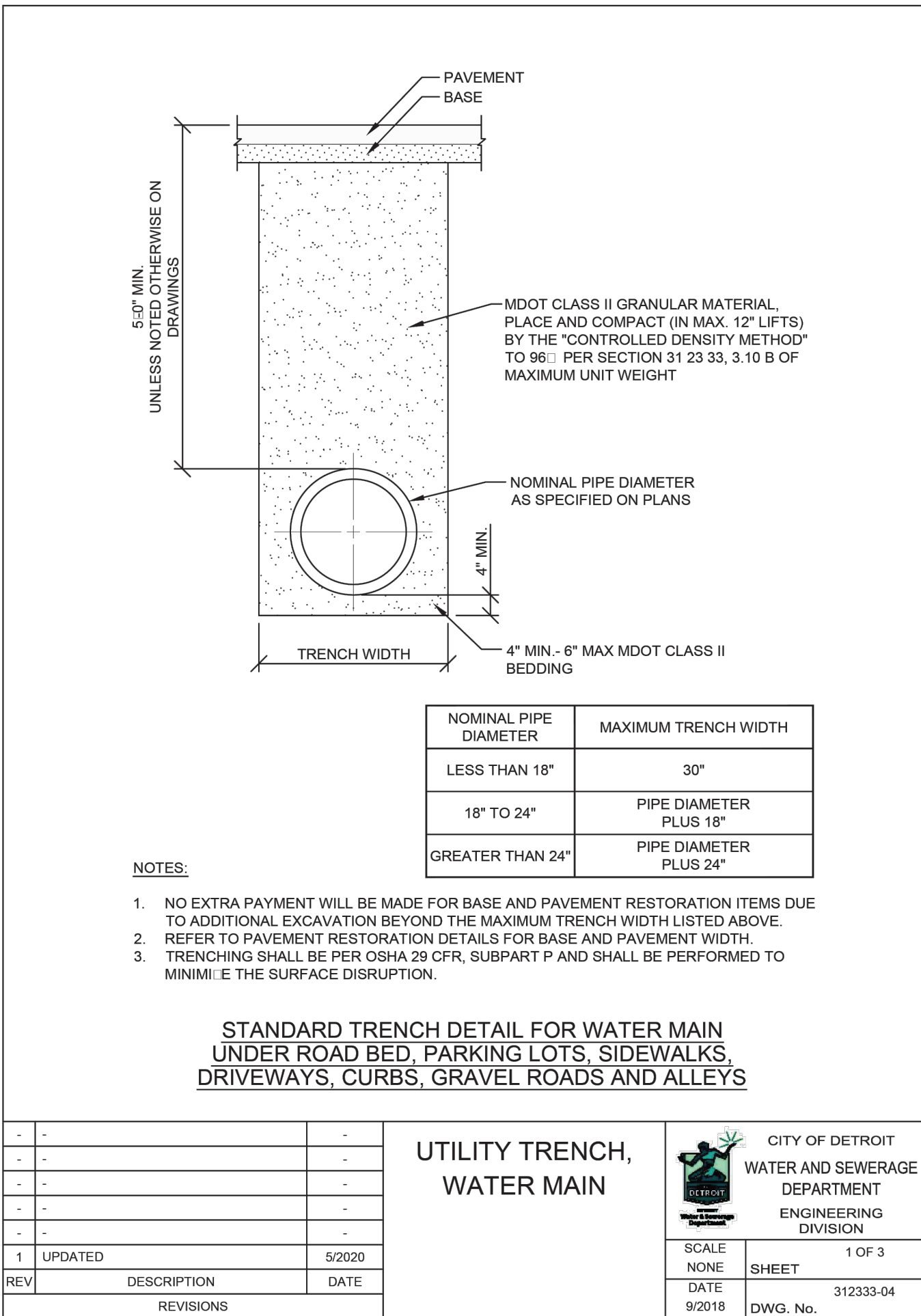
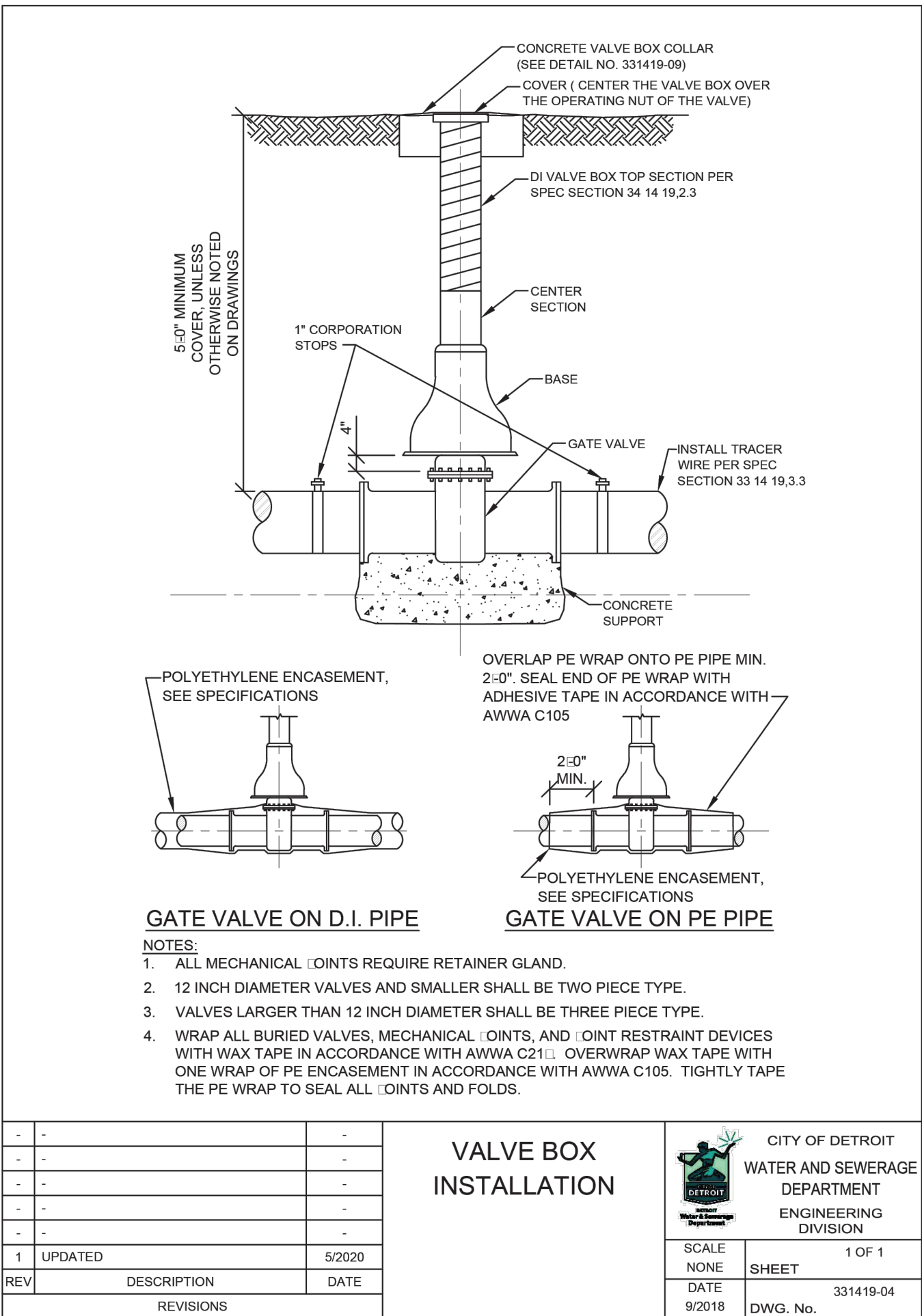
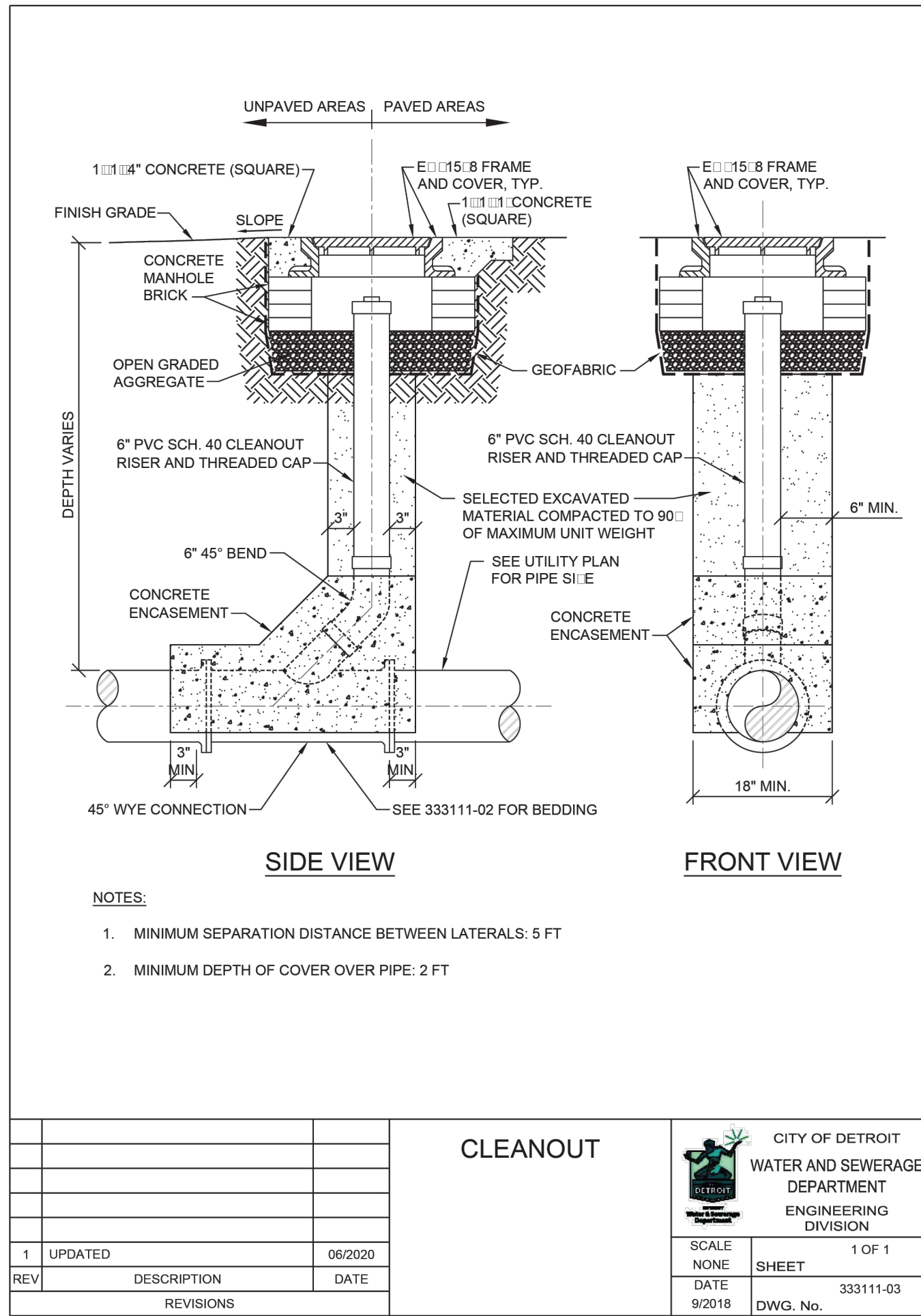
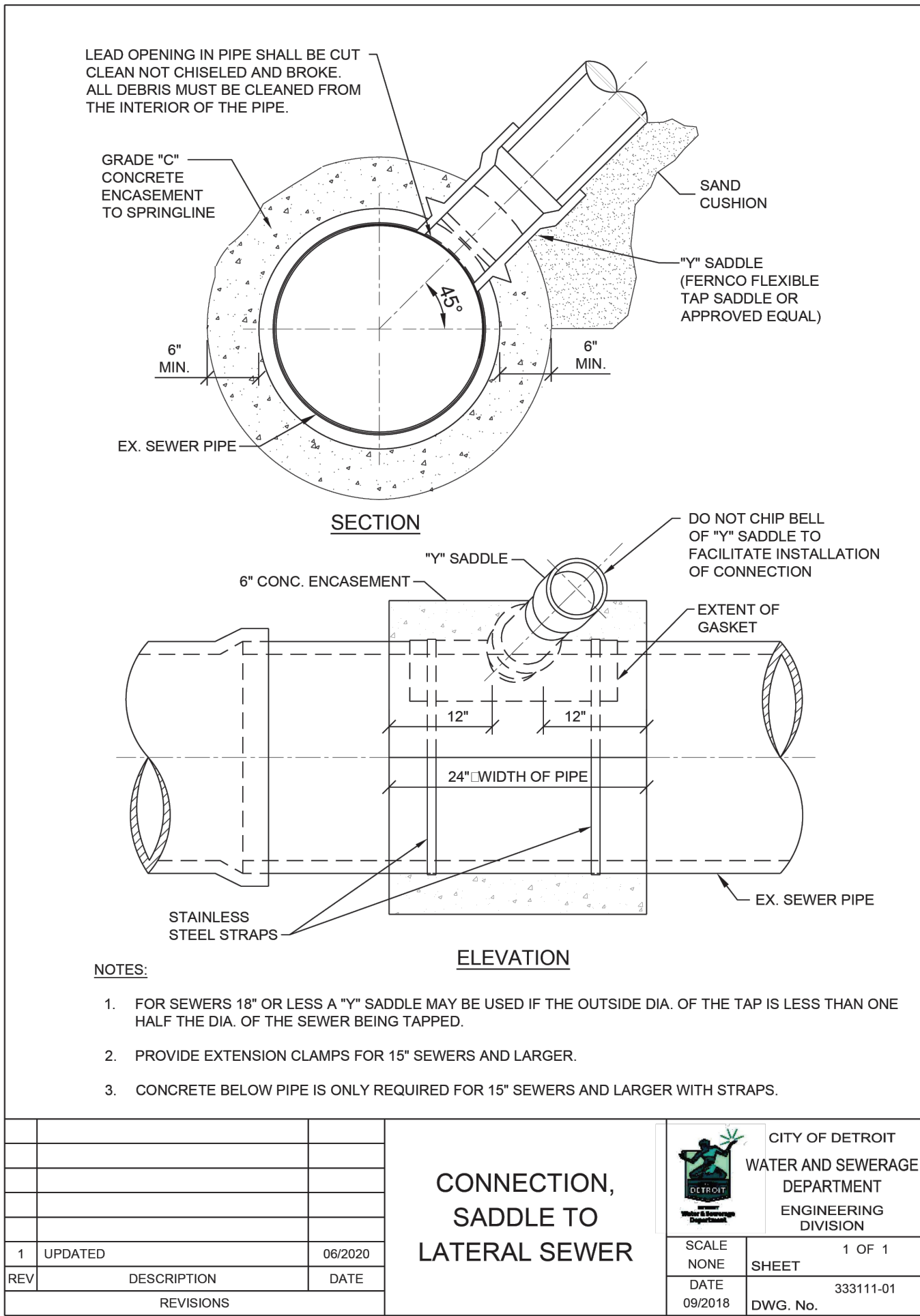
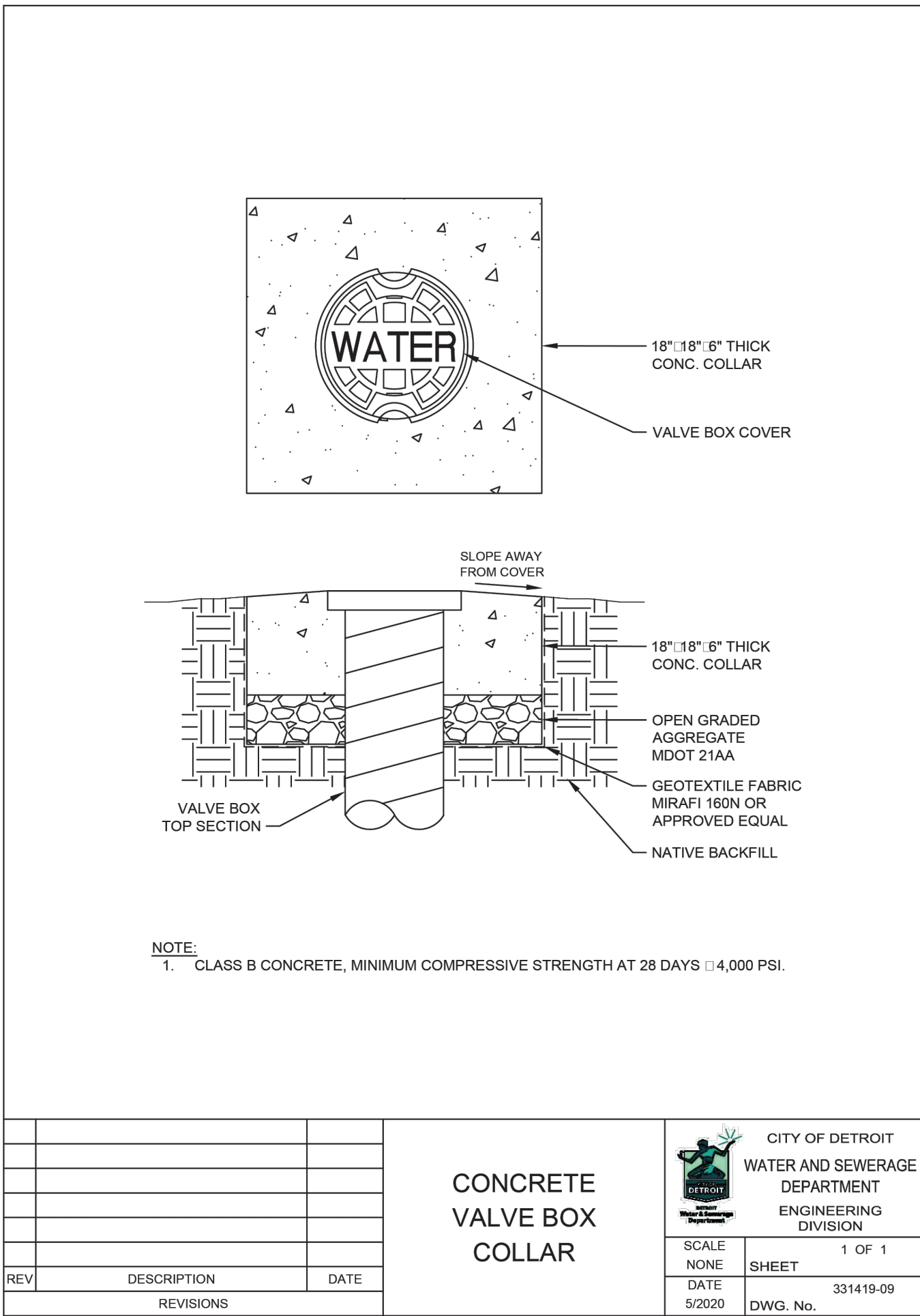
NO.	ISSUANCE / REVISION	BY	DATE
1	DATE		11-22-24
2	DATE		12-06-24
3	DATE		03-31-25
4	DATE		08-01-25

BREWSTER PHASE 1-3
631.651.671 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN
X-SECTIONS, NOTES, AND DETAILS

PRELIMINARY - NOT FOR CONSTRUCTION

Plan Prepared By:
Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456
Tel: 616-414-5260
email: bcallen@callenengineering.com

DRAWN BY	DATE
J.W.C.	SEP '24
ENGINEER	DATE
B.A.C.	SEP '24
EDIT	DATE
J.W.C.	AUG '25
SCALE	PILOT SCALE
AS NOTED	1:1
PROJECT	023 BREWSTER SANCTUARY
SHEET NO.	C4.5



Plan Prepared By:

Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456

Tel: 616-414-5260
email: bcallen@callenengineering.com

For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T. 616.414.5260
www.callenengineering.com

callen
civil engineers

MHT HOUSING, INC.
32500 TELEGRAPH ROAD, SUITE 100
BINGHAM FARMS, MI 48025
248-833-0552

NO.	ISSUANCE / REVISION	BY	DATE
1	ISSUANCE	B.A.C.	11-22-24
2	REVISION	B.A.C.	12-06-24
3	REVISION	B.A.C.	03-31-25
4	REVISION	B.A.C.	08-01-25

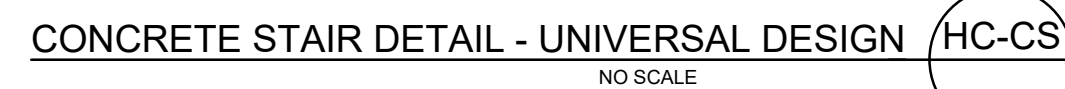
BREWSTER PHASE 1-3
631.651.671 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN

X-SECTIONS, NOTES, AND DETAILS

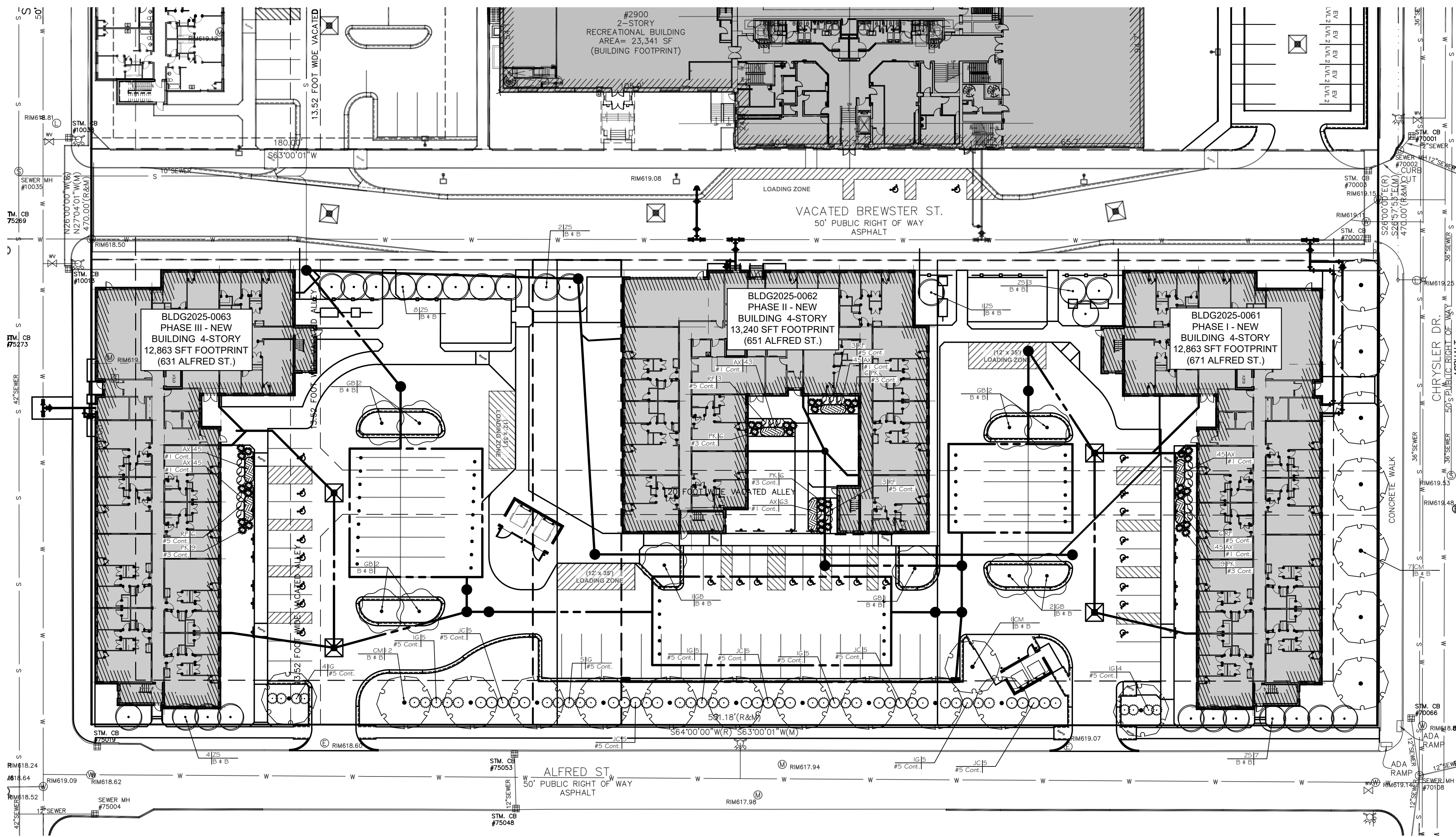
NO.	ISSUANCE / REVISION	BY	DATE
1	ISSUANCE	B.A.C.	11-22-24
2	REVISION	B.A.C.	12-06-24
3	REVISION	B.A.C.	03-31-25
4	REVISION	B.A.C.	08-01-25

811
Know what's below.
Call before you dig.

DATE OF PLAN: 08-01-25



DATE OF PLAN: 08-01-25



LANDSCAPE DATA

Off street parking areas

Required - 61-14-221 Right of Way Screening

Buffer strip with a minimum width of five feet between the off-street parking area and the right-of-way. One tree shall be provided for each 30 ft. of buffer. 395 ft./30 = 13 trees
Vegetation, a berm, or masonry wall forming a continuous screen at least 30 inches, but not more than 36 inches, in height, shall be located within the landscape buffer.
Vegetative screening material that is designed to provide 75 percent opacity on a year-round basis.
Proposed
13 trees
Shrubs at least 30", but not more than 36".
Vegetative screening material that is designed to provide 75 percent opacity on a year-round basis.

Parking Lot

Required - 61-14-223 Interior Landscaping

25--100 spaces - 18 square feet of landscape area per parking space.
85 parking spaces x 18 sf. = 1530 sf.

The total number of trees required to be planted in the interior of an off-street parking area shall be calculated and provided at a rate of one shade tree for each 250 square feet or fraction thereof, of required interior landscaped area;
1530 sf. / 250 sf. = 7 trees

Each island shall include 1 shade tree.

Proposed

1687 sf. Landscape area.
One shade tree per 250 sf. = 7 trees
Each island includes 1 shade tree.

Landscaping in required setbacks.

Required - 50-14-362. - Landscaping of required setbacks.

Where certain land uses require a setback from a public street, at least one tree shall be provided for each 30 linear feet of lot width.
940 ft./30 ft. = 31 trees

Proposed 31 trees

Plant Size

Required - 61-14-205 Shrubs and Trees

Shrubs min. size equal to or greater than a number 3 container and have a min. ht. of 18" at time of planting.
Trees min. dia. Of 2" measured at 12" above root ball. Clear stem of at least 5".

Proposed

Complies

Required - 61-14-206 Ground Treatment

All unpaved areas are to be treated with groundcover, mulched areas, sod or seed lawns, or pavers.

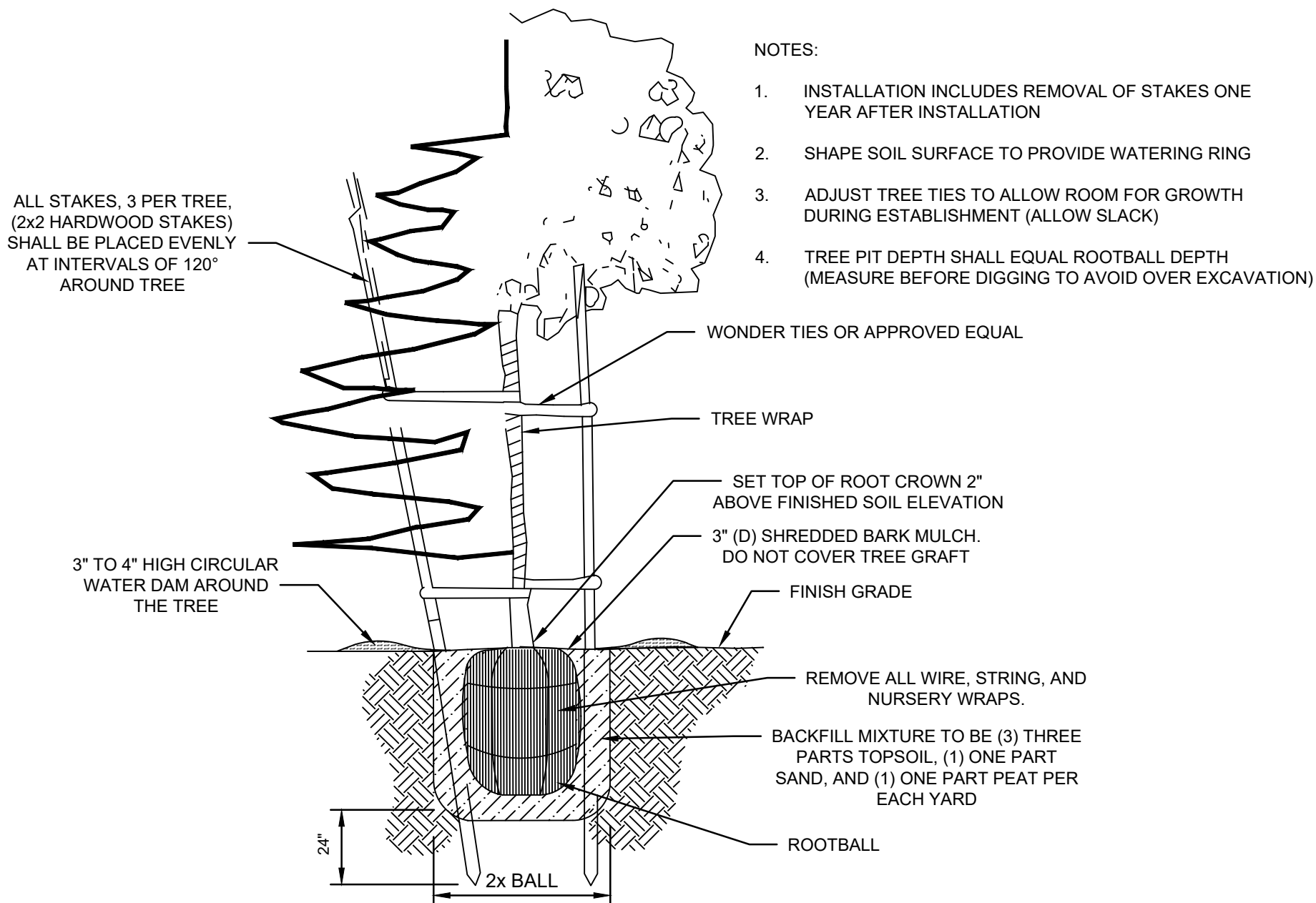
Proposed

Complies

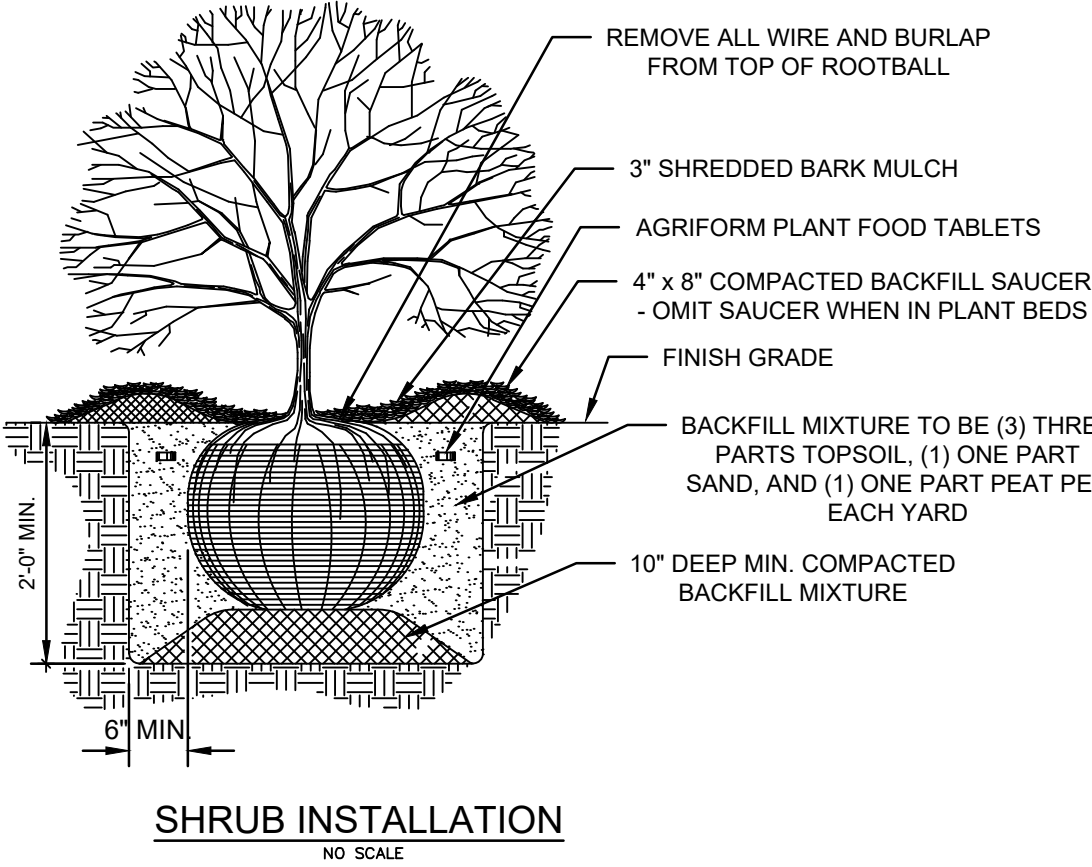


PLANT SCHEDULE

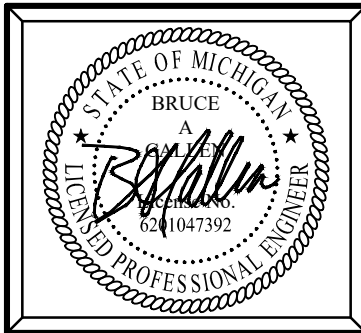
SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	CAL	QTY	
TREES						
	CM	Celtis x 'Magnifica' / Magnifica Common Hackberry	B & B	2.5" Cal	20	
	GB	Ginkgo biloba 'Autumn Gold' / Autumn Gold Maidenhair Tree	B & B	2.5" Cal	10	
	ZS	Zelkova serrata 'Musashino' / Musashino Japanese Zelkova	B & B	2.5" Cal	25	
SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	HEIGHT	QTY	
SHRUBS						
	IG	Ilex glabra 'IlexFarrowTracey' / Strongbox® Inkberry Holly	#5 Cont.	Min. 18" Ht.	33	
	JC	Juniperus chinensis 'Parsonii' / Parsoni Juniper	#5 Cont.	Min. 18" Ht.	25	
	PK	Pennisetum orientale 'Karley Rose' / Karley Rose Fountain Grass	#3 Cont.		36	
	RF	Rhamnus frangula 'SMNRFBT' / Fine Line® Improved Buckthorn	#5 Cont.	Min. 5' - 6' Ht.	21	
SYMBOL	CODE	BOTANICAL / COMMON NAME	CONT	SPACING	SPACING	QTY
GROUND COVERS						
	AX	Allium x 'Millenium' / Millenium Ornamental Onion	#1 Cont.		12" o.c.	331



21 GRAM "AGRIFORM" PLANTING TABLETS AS FOLLOWS:
2 TABLETS PER 1 GAL. PLANT
3 TABLETS PER 5 GAL. PLANT
4 TABLETS PER 15 GAL. PLANT
LARGER PLANTS (2) TWO TABLETS PER 1/2" DIAM. OF TRUNK CALIPER



PRELIMINARY - NOT
FOR CONSTRUCTION



Plan Prepared By:
Bruce A. Callen, PE
Callen Engineering, Inc.
108 E. Savidge St.
Spring Lake, Michigan 49456
Tel: 616-414-5260
email: bcallen@callenengineering.com

For protection of underground utilities, the CONTRACTOR shall dial 1-800-482-7171 OR 811 a minimum of three working days, excluding Saturdays, Sundays and holidays, prior to excavation in the vicinity of utility lines. All "MISS DIG" participating members will thus be routinely notified. This does not relieve the CONTRACTOR of the responsibility of notifying the utility owners who may not be part of the "MISS DIG" alert system.

DATE OF PLAN: 08-01-25

Callen Engineering, Inc.
108 East Savidge Street
Spring Lake, MI 49456
T: 616-414-5260
www.callenengineering.com



MHT HOUSING, INC.
32500 TELEGRAPH ROAD, SUITE 100
DETROIT, MICHIGAN 48025
248-833-0552

NO.	ISSUANCE / REVISION	BY	DATE
1	BUILDING PERMIT	B.A.C.	12-06-24
2	FOR PRICING & PERMITS	B.A.C.	12-20-24
3	SITE PLAN REVIEW RESPONSE #1	B.A.C.	03-31-25
4	SITE PLAN REVIEW RESPONSE #2	B.A.C.	08-01-25

BREWSTER PHASE 1-3
631.651.671 ALFRED STREET
DETROIT, MI 48201
WAYNE COUNTY, MICHIGAN
LANDSCAPE PLAN

DRAWN BY	J.W.C.	DATE	DEC '23
ENGINEER	B.A.C.	DATE	DEC '23
EDIT	J.W.C.	DATE	AUG '25
SCALE	DRAWING	SCALE	SCALE
AS NOTED	1:1		
PROJECT	023 BREWSTER SANCTUARY		
SHEET NO.	L1.0		