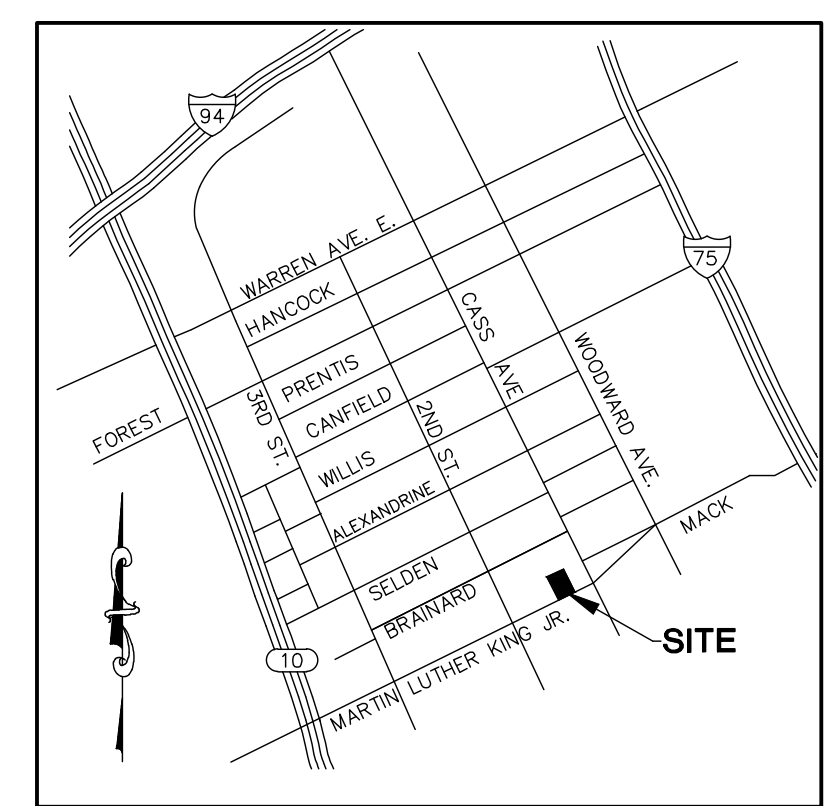


SITE BENCHMARKS
 REFERENCE BENCHMARK
 FOUND BRASS DISK #30-553 IN HAND HOLE @
 NE CORNER ALEXANDRINE & 2ND STREET
 ELEV:140.585 (CITY OF DETROIT DATUM)

SITE BENCHMARK #1
 S.W. BOLT OF LIGHT POLE ON NORTH SIDE OF
 MARTIN LUTHER KING BLVD. NEAR CASS AVE.
 ELEV:137.72 (CITY OF DETROIT DATUM)

SITE BENCHMARK #2
 N.W. BOLT OF LIGHT POLE ON S.E. CORNER OF
 MARTIN LUTHER KING BLVD. AND 20 ALLEY
 ELEV:136.71 (CITY OF DETROIT DATUM)

SITE BENCHMARK #3
 N.E. BOLT OF LIGHT POLE ON SOUTH SIDE OF
 MARTIN LUTHER KING BLVD.
 ELEV:137.38 (CITY OF DETROIT DATUM)



ESTIMATED QUANTITIES

ITEM	QUANTITY
WATER MAIN	
6"x12" CUT IN TEE	1 EA.
6"x3" TEE	1 EA.
3" POLYETHYLENE-WRAPPED DUCTILE IRON WATER SERVICE	25 L.F.
3" WATER SHUTOFF VALVE IN BOX-COMplete	1 EA.
6" DUCTILE IRON CL-54 WATERMAIN	95 L.F.
SANITARY SEWER	
4" MANHOLE OUTSIDE DROP OVER EX. 15"x20" SEWER - COMPLETE	1 EA.
CLEAN OUT	1 EA.
8" PVC SCH. 80 LEAD	25 L.F.
STORM SEWER	
6" ADS N-12 STORM SEWER	217 L.F.
8" ADS N-12 STORM SEWER	39 L.F.
10" ADS N-12 STORM SEWER	168 L.F.
12" C-74-4 STORM SEWER	12 L.F.
2" DIA. INLET - COMPLETE	1 EA.
4" DIA. CATCH BASIN - COMPLETE	1 EA.
4" DIA. MANHOLE - COMPLETE W/ DOME COVER	1 EA.
BACKFLOW PREVENTER AND BLEEDER DRAINS	1 EA.
4" DIA. MANHOLE - COMPLETE W/ SOLID COVER	1 EA.
WYE	4 EA.
CLEANOUT	6 EA.

LEGEND

R.	RECORD
M.	MEASURED
C.	CALCULATED
F.I.R.	FOUND IRON ROD
S.I.R.	SET IRON ROD
S.P.K.	SET P.K. NAIL
F.P.K.	FOUND P.K. NAIL
B/C	BACK OF CURB
G	GUTTER
B/W	BACK OF WALK
T/W	TOP OF WALK
FF	FINISHED FLOOR
C.B.	CATCH BASIN
U.P.	UTILITY POLE
M.H.	MANHOLE
C.O.	CLEAN OUT
D.S.	DOWNSPOUT
L.P.	LIGHT POLE
L.L.	LANDSCAPE LIGHT
GW	GATE VALVE AND WELL
WS	WATER STOP VALVE
HYD.	FIRE HYDRANT
BOL.	BOLLARD
M.W.	MONITORING WELL
SIGN	SIGN
NP	NUMBER PARKING SPACES
HP	HANDICAP PARKING
G.W.	GUY WIRE
X	FENCE
---	SANITARY/COMBINED SEWER
---	STORM SEWER
---	WATERMAIN
---	OVERHEAD UTILITY LINES
---	EXISTING CONCRETE
---	EXISTING ASPHALT PAVEMENT SECTION
---	PROPOSED CONCRETE
---	PROPOSED ASPHALT PAVEMENT SECTION

- UTILITY NOTES:**
- HYDRANTS CONNECTED TO DWSO SYSTEM SHALL BE PAINTED RED. PRIVATE HYDRANTS SHALL BE PAINTED YELLOW. NON-POTABLE HYDRANTS SHALL BE PAINTED VIOLET/GRAY.
 - PRIVATE HYDRANTS WILL ONLY BE ABLE TO BE TURNED OFF VIA A GATE VALVE NEXT TO THE HYDRANT, NOT BY INTERNAL MEANS.
 - NO FIRE HYDRANT IS TO BE USED WITHOUT OBTAINING A PERMIT.
 - WINTER WORK ON WATER MAINS/SERVICES DEPENDS ON PROVIDING PROPER CONDITIONS SUCH AS WARM GASKETS, HEATED WATER, HEATED SAND/CONCRETE MATERIAL, ETC. AND IS SUBJECT TO DWSO'S REPRESENTATIVE'S APPROVAL.
 - PRESSURE TESTING OF THE PIPING IS REQUIRED BEFORE CONNECTING TO DWSO SYSTEM.
 - BACTERIOLOGICAL TESTING BY DWSO IS REQUIRED BEFORE INSTALL A METER AND CONNECTING THE PIPE TO DWSO SYSTEM.
 - ONLY DWSO PERSONNEL/CONTRACTORS ARE ALLOWED TO OPERATE DWSO GATE VALVES UNLESS PERMISSION IS GRANTED.
 - ONLY DWSO PERSONNEL/CONTRACTORS ARE ALLOWED TO OPERATE HYDRANTS UNLESS A PERMIT IS OBTAINED.
 - DWSO INSPECTION IS REQUIRED WHILE WORK IS UNCOVERED.

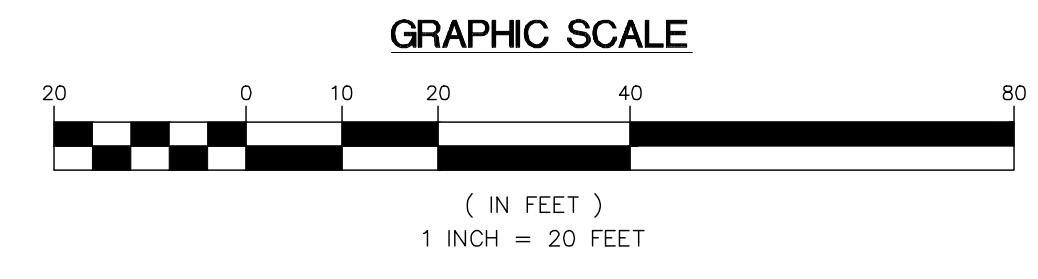
SEE DETAILS ON SHEET C17
 SEE CITY OF DETROIT DETAILS
 ON SHEET C18 - C21

NOTE: SEE STORM
 CALCULATIONS SHEET C13

NOTE: SEE CASTING
 SCHEDULE SHEET C13

NOTE: PRIOR TO TAPPING
 ANY DWSO ASSET A TAP
 PERMIT IS REQUIRED FROM
 DWSO

UTILITY NOTE:
 ALL PUBLIC UTILITY LINES, AS SHOWN HEREON,
 ARE TAKEN FROM THE BEST AVAILABLE RECORDS
 AS DISCLOSED BY THE VARIOUS UTILITY
 COMPANIES AND/OR MUNICIPALITIES. OTHER
 UTILITY INFORMATION WAS NOT AVAILABLE AT
 THE TIME OF SURVEY. NO GUARANTEE CAN BE
 GIVEN BY US AS TO THE ACCURACY OR
 COMPLETENESS THEREOF.



STATE OF MICHIGAN
 RICHARD L. GOLDSZER
 ENGINEER
 No. 6201033165
 PROFESSIONAL SEAL

NOTE:
 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 DWSO
 STANDARD SPECIFICATIONS AND DETAILS.

DATE	BY	REVISIONS	DATE	BY	REVISIONS
02-13-24	N.L.R.	SU	07-11-25	W.J.C.	ADDENDUM #1
02-21-24	N.L.R.	PER CITY REVIEW CYCLE 2	12-19-25	W.J.C.	ISSUED FOR CONSTR.
08-20-24	W.J.C.	BD UPDATE	05-27-26	W.J.C.	FIELD CHANGE
09-23-24	W.J.C.	PERMITS	08-04-26	W.J.C.	PER DWSO REVIEW

UTILITY PLAN

440, 446 & 460 MARTIN LUTHER KING JR. BLVD., CITY OF DETROIT, WAYNE COUNTY, MICHIGAN

SURVEY BY: D.K./R.S. DRAWN BY: N.L.R. CHECKED BY: R.L.C. APPROVED BY: R.L.C.	GEORGE JEROME & CO. CONSULTING MUNICIPAL & CIVIL ENGINEERS • SURVEYORS 28304 HAYES ROSEVILLE, MI 48066 (586) 774-3000 www.GeorgeJerome.com	ORDER NO. 26-301 FIELD BOOK 1428-52 DRAWING FILE NO.	SHEET NO. C8 SCALE 1"=20' FOR CASS CORRIDOR DATE 10-16-23
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