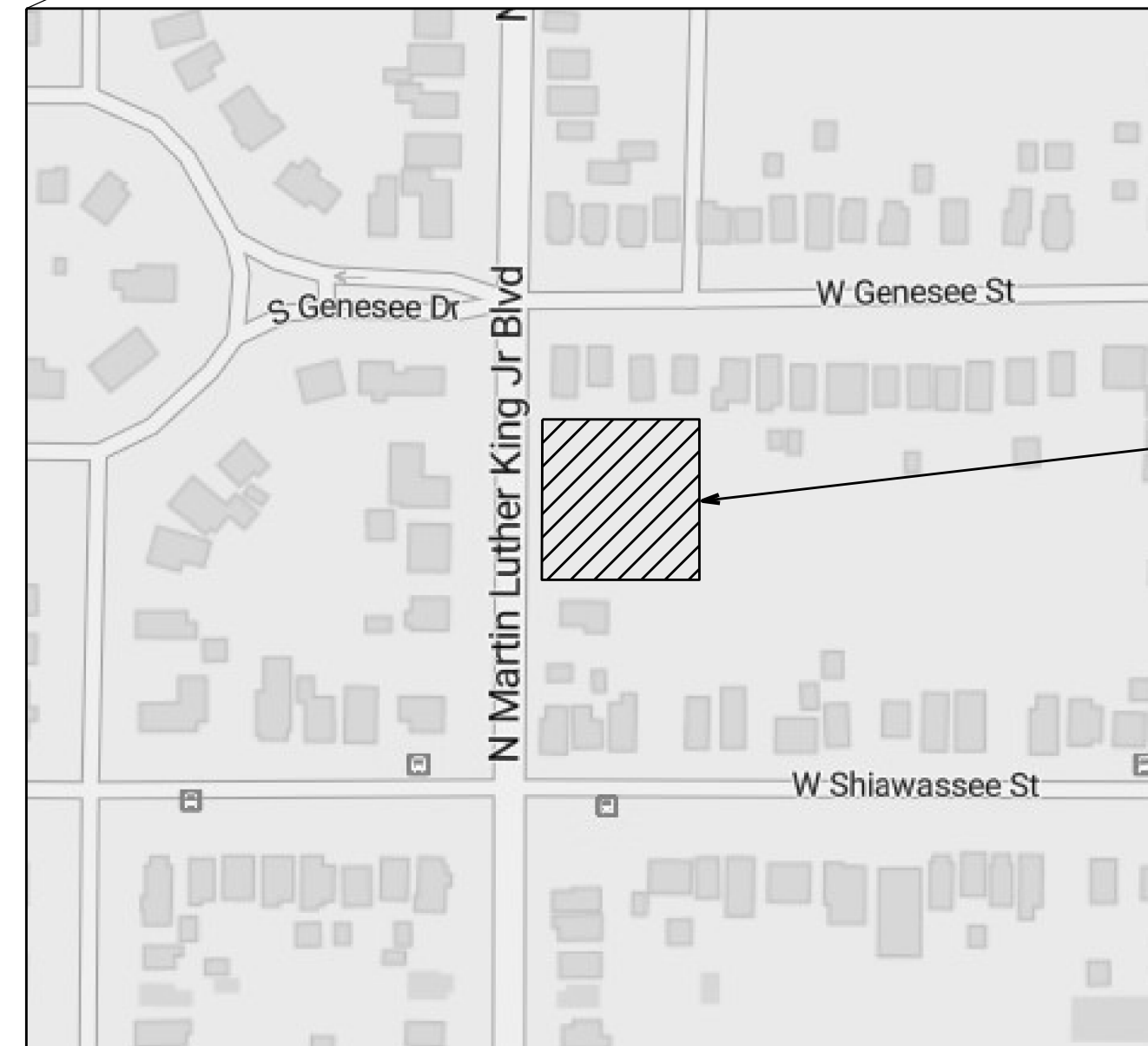
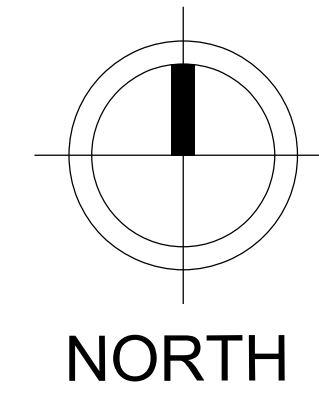


PLANNING AND ZONING
CONTACT: CITY OF LANSING
PHONE: 517-483-4048

ENGINEERING/PUBLIC SERVICE
CONTACT: CITY OF LANSING
PHONE: 517-483-4455

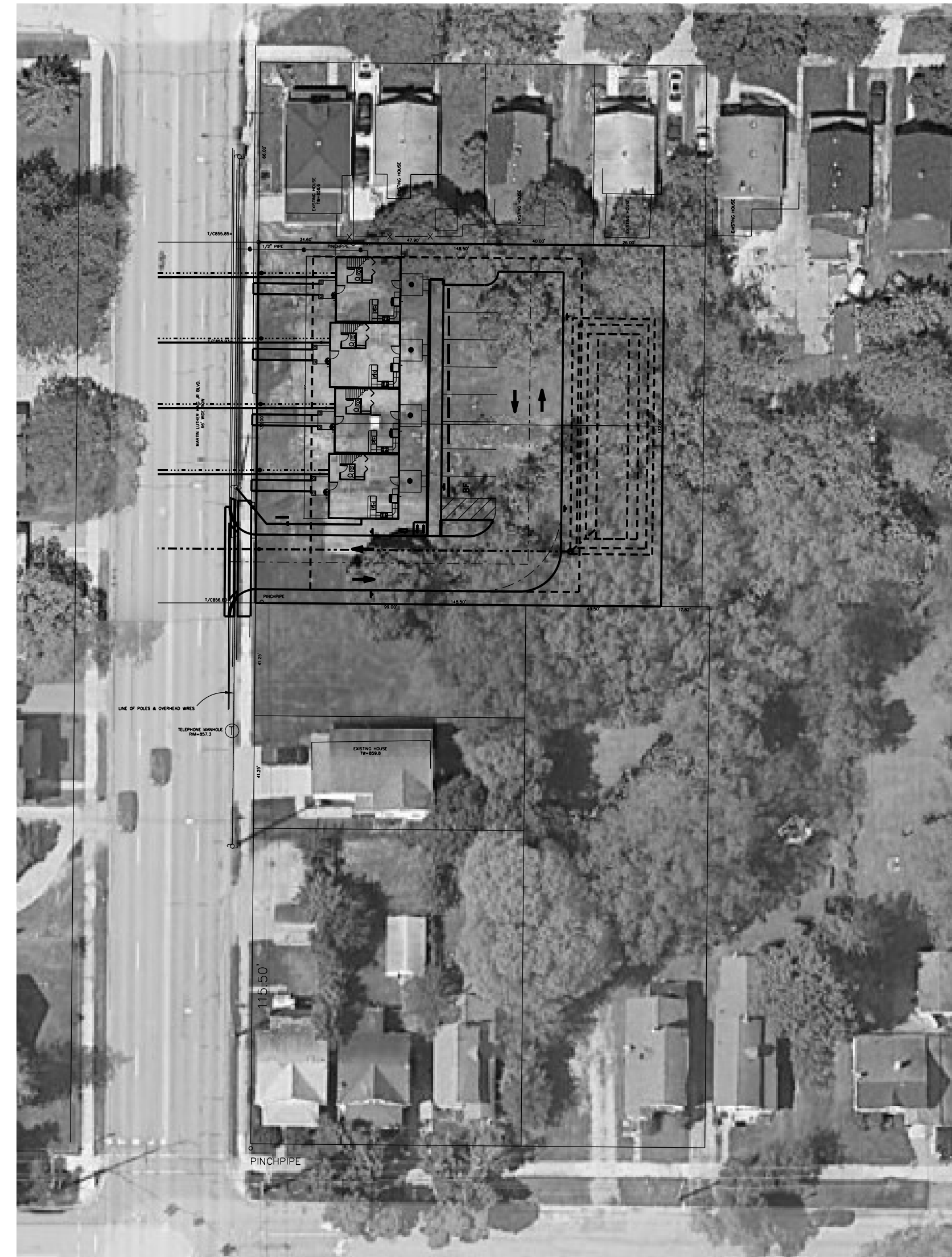


LOCATION MAP
NOT TO SCALE



INGHAM COUNTY LAND BANK
GENESEE POINTE CONDOMINIUMS

LOCATED IN
CITY OF LANSING, INGHAM COUNTY, MICHIGAN



SITE LAYOUT
NOT TO SCALE

N. MARTIN LUTHER KING JR BLVD ROW: THE CITY OF LANSING IS SLATED TO HAVE A SEWER SEPARATION PROJECT OCCURRING IN NEAR FUTURE. COORDINATION WITH ON-GOING CONSTRUCTION AND ACCESS WILL BE REQUIRED.

ALL WORK WITHIN THE N. MARTIN LUTHER KING JR BLVD ROW
SHALL BE COMPLETED IN ACCORDANCE WITH MDOT &
THE CITY OF LANSING RULES, REGULATIONS,
AND GUIDELINES AND AS PERMITTED THEREIN

CITY OF LANSING NOTES:

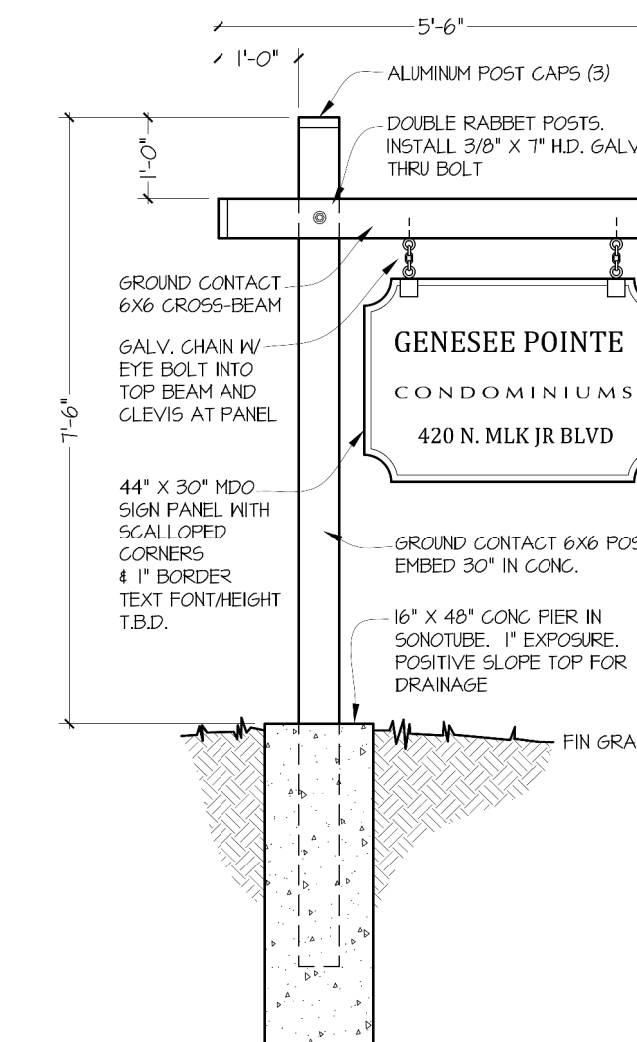
ALL BROKEN AND DAMAGED SIDEWALK ALONG THE PROPERTY RIGHT OF WAY SHALL BE REMOVED AND REPLACED BY OWNER. ALL EXISTING SIDEWALK ON THE PROPOSED SITE DETERMINED TO NOT BE ADA COMPLIANT SHALL BE REMOVED AND REPLACED BY OWNER. SIDEWALK REPLACEMENT SHALL BE ACCORDING TO DETAILS THESE PLANS AND THE CITY OF LANSING STANDARDS.

THE CONTRACTOR SHALL OBTAIN A CITY PERMIT FOR ALL ROAD CUTS WHICH WILL BE BACK FILLED PER CITY STANDARDS TO THE BASE COURSE COMPACTED FINISHED GRADE. HMA PAVEMENT WILL BE REPLACED BY THE CITY AT A PRE-ESTABLISHED PER SQUARE UNIT COST.

CONTRACTOR SHALL OBTAIN CITY PERMIT FOR ALL CONCRETE WORK INCLUDING CURB AND GUTTER, DRIVE APPROACHES AND SIDEWALKS.

LINE-TYPE LEGEND

SYMBOLS	DESCRIPTIONS
(COLORS ARE REPRESENTED ACCORDING TO MISS DIG)	(LINE WEIGHT .0004 UNLESS NOTED OTHERWISE)
	ROAD RIGHT OF WAY CONTINUOUS CENTER LINE OF ROAD CENTER
	PROPERTY LINE DASHDOT GAS MAIN HIDDEN
	CABLE TV HIDDEN
	UNDERGROUND ELECTRIC HIDDEN
	UNDERGROUND TELEPHONE HIDDEN
	FIBER OPTICS HIDDEN
	NEW CONTOUR LINE (THIN BLACK LINE)
	EXISTING CONTOUR LINE (GRAY COLOR)
	WATER BOUNDARY
	PROP. SANITARY SEWER (BOLDEST (.50mm)) CONTINUOUS LINETYPE
	PROP. STORM SEWER (BOLD (.30mm)) HIDDEN LINETYPE
	PROP. WATER MAIN (BOLDER (.40mm)) DIVIDED LINETYPE
	EX. SANITARY SEWER (.25mm) DASHED LINETYPE
	EX. STORM SEWER (.25mm) HIDDEN LINETYPE
	EX. WATER MAIN (.25mm) DIVIDED LINETYPE
	UTILITY EASEMENT HIDDEN LINETYPE
	PROFILE LINE 10' OFF BASELINE
	PROFILE LINE 20' OFF BASELINE
	PROFILE LINE 30' OFF BASELINE



BUILDING SIGNAGE
NOT TO SCALE

SHEET NO.	SHEET	REVISED DATE
C0.0	COVER SHEET	03/20/23
S1.0	EXISTING SITE	03/20/23
C1.0	REMOVALS	03/20/23
C2.0	SITE LAYOUT PLAN	03/20/23
C3.0	GRADING & SESC PLAN	03/20/23
C3.1	STORM WATER CALCULATIONS	03/20/23
C4.0	UTILITY PLAN	03/20/23
C5.0	LANDSCAPE PLAN	03/20/23
C5.1	LIGHTING PLAN	03/20/23
C6.0	SPECIFICATIONS & DETAILS	03/20/23
C7.0	PLAN & PROFILE #6294 SAGINAW STREET	03/20/23

BRS ENGINEERING, LLC
3821 Stoneleigh Drive
Lansing, MI 48910
Phone: (517) 719-5094
brsengineering@comcast.net

BRSE

INGHAM COUNTY LAND BANK
3024 TURNER ROAD
LANSING, INGHAM COUNTY, MI

IFR

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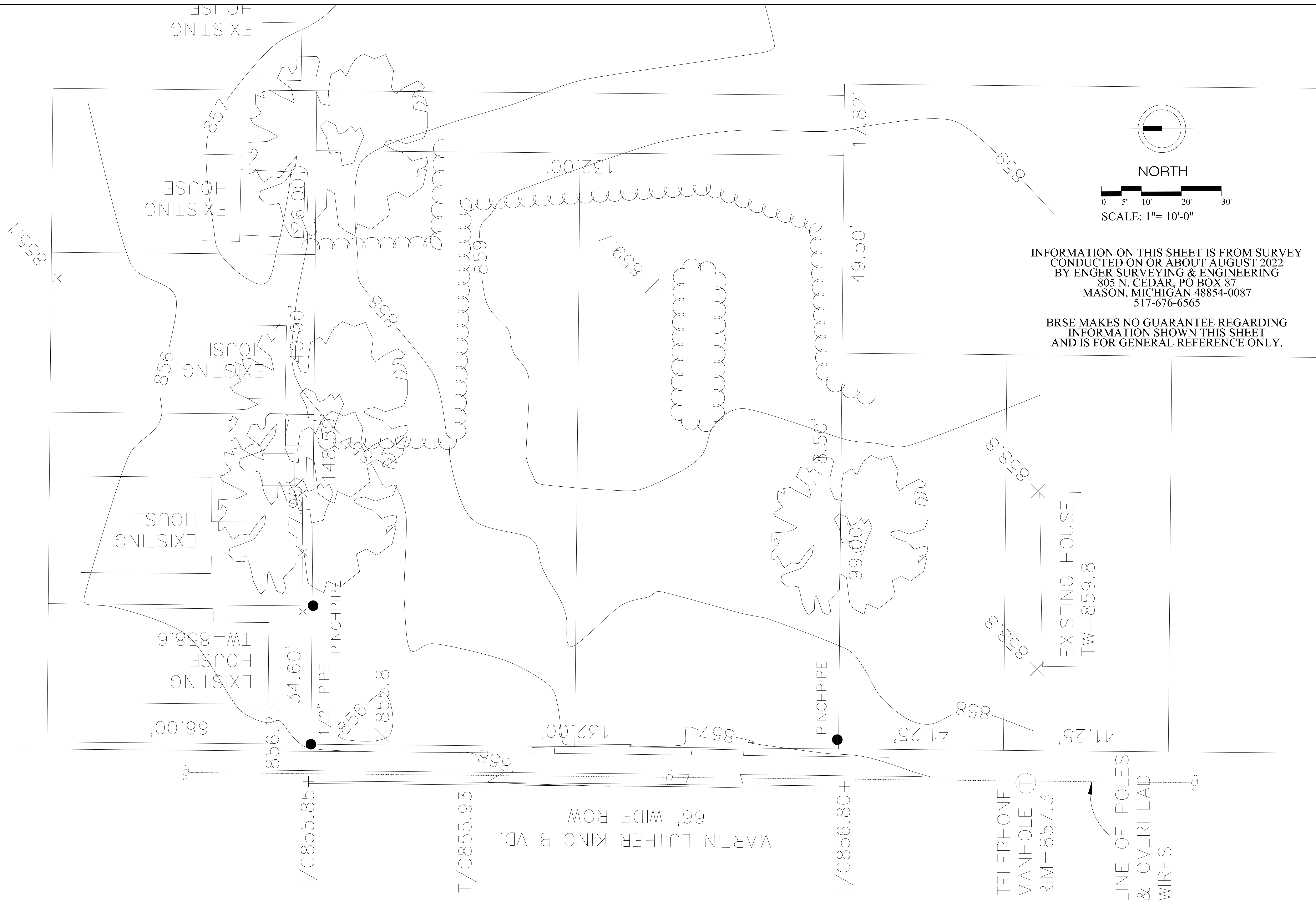
SEE POINT E CONDOMINIUMS
4-UNITS, 1 BUILDING
N. MARTIN LUTHER KING, JR. BLVD
LANSING, INGHAM COUNTY, MI

COVER STORY

PROJECT MGR.	DATE
BRS	3/20/23
DRAWN BY	DATE
BRS	3/20/23
ENGINEER	DATE
BRS	3/20/23
ADD FILE	EDIT
SCALE	
NTS	
DRAWING	
PLOT SCALE	

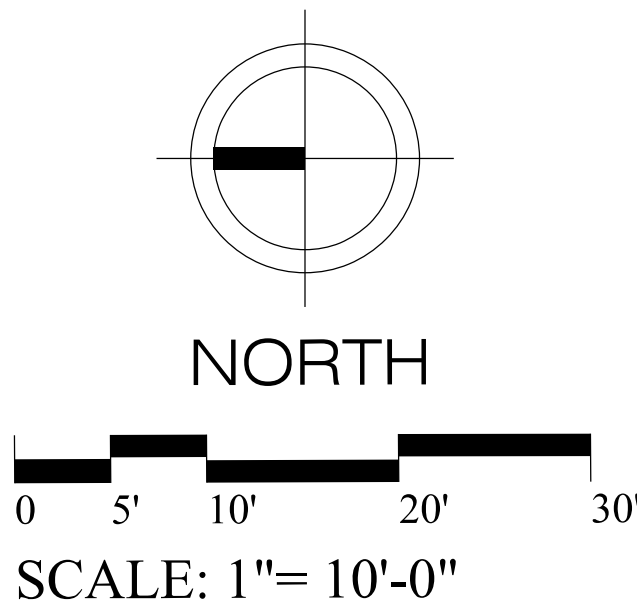
PROJECT 0001
C0.0
SHEET NO.





INFORMATION ON THIS SHEET IS FROM SURVEY
CONDUCTED ON OR ABOUT AUGUST 2022
BY ENGER SURVEYING & ENGINEERING
805 N. CEDAR, PO BOX 87
MASON, MICHIGAN 48854-0087
517-676-6565

BRSE MAKES NO GUARANTEE REGARDING
INFORMATION SHOWN THIS SHEET
AND IS FOR GENERAL REFERENCE ONLY.



PROJECT MGR. BRS	DATE 3/10/23
DRAWN BY BRS	DATE 3/10/23
ENGINEER BRS	DATE 3/10/23
CAD FILE	EDIT
SCALE 1"=10'	
DRAWING	
PLOT SCALE	

GENESEE POINTE CONDOMINIUMS
4-UNITS, 1 BUILDING
420 N. MARTIN LUTHER KING, JR. BLVD
LANSING, INGHAM COUNTY, MI

EXISTING SITE

[illegible]

FR

INGHAM COUNTY LAND BANK
3024 TURNER ROAD
LANSING, INGHAM COUNTY, MI
PHONE: 517-267-5221 ext: 2384

BRSE
BRS ENGINEERING, LLC
3821 Stoneleigh Drive
Lansing, MI 48910
Phone: (517) 719-5094
brsengineering@comcast.net

PROPOSED WATER
AND SANITARY SERVICES
PENDING SEWER SEPARATION
PROJECT IN MLK BLVD. (TYP)
SERVICES WILL BE BROUGHT
TO THE ROW EDGE BY THE CITY.

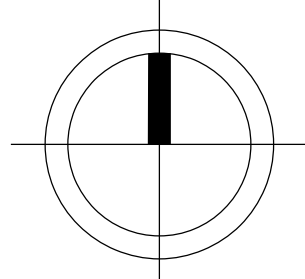
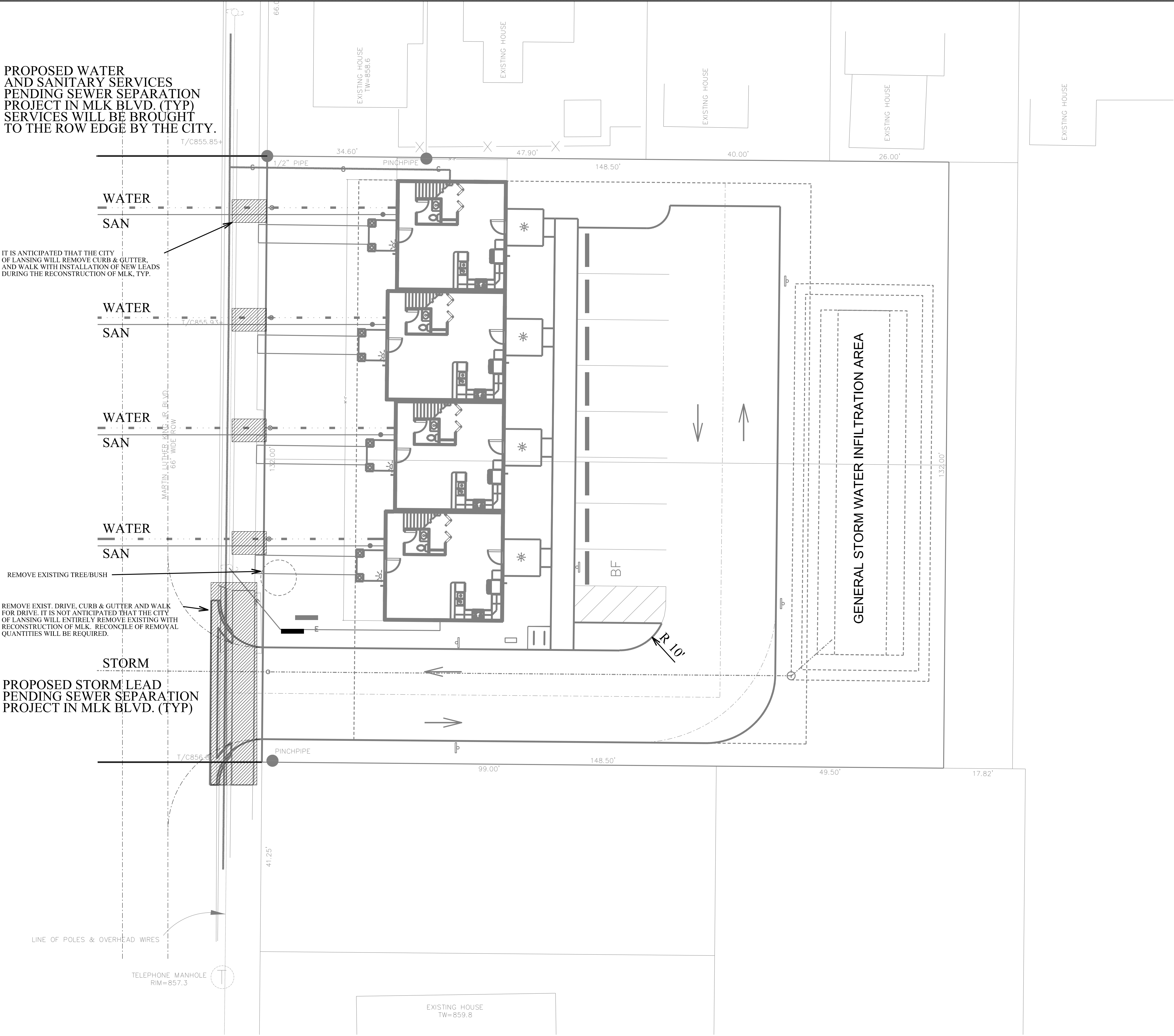
IT IS ANTICIPATED THAT THE CITY
OF LANSING WILL REMOVE CURB & GUTTER,
AND WALK WITH INSTALLATION OF NEW LEADS
DURING THE RECONSTRUCTION OF MLK, TYP.

REMOVE EXIST. DRIVE, CURB & GUTTER AND WALK
FOR DRIVE. IT IS NOT ANTICIPATED THAT THE CITY
OF LANSING WILL ENTIRELY REMOVE EXISTING WITH
RECONSTRUCTION OF MLK. RECONCILE OF REMOVAL
QUANTITIES WILL BE REQUIRED.

PROPOSED STORM LEAD
PENDING SEWER SEPARATION
PROJECT IN MLK BLVD. (TYP)

LINE OF POLES & OVERHEAD WIRES

TELEPHONE MANHOLE
RIM=857.3



NORTH

0 5' 10' 20' 30'

SCALE: 1"= 10'-0"

NOTES:

ADDITIONAL REMOVALS BEYOND THAT SHOWN
MAY BE REQUIRED DUE TO CONTRACTOR METHODS
AND WORK AND SHALL BE TAKEN INTO ACCOUNT.

PROPERTY SHALL BE CLEARED OF BRUSH
AND TREES AS REQUIRED FOR CONSTRUCTION.
ALL REMOVED TREES SHALL BE GRUBBED.

EXISTING TREE SURVEY AND INVENTORY WAS NOT
COMPLETED FOR THE SITE.

ALL REMOVED MATERIALS INCLUDING CONCRETE,
ASPHALT, AND VEGETATION SHALL BE REMOVED TO
AN OFFSITE LOCATION AS DETERMINED BY THE
CONTRACTOR.

The MDOT driveway opening and walk shall be installed without damaging the
existing asphalt pavement. The existing curb & gutter to be removed will need to be
sawcut, then pulled away from the existing road pavement. The contractor can then
use the asphalt edge as the gutter form and place the proposed MDOT driveway
opening.

All proposed work within the public road right-of-way is to be constructed, tested,
and inspected in accordance with MDOT specifications. Copies of said material
testing and density shall be sent to MDOT promptly.

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brsengineering@comcast.net

BRSE

INGHAM COUNTY LAND BANK
3024 TURNER ROAD
LANSING, INGHAM COUNTY, MI
PHONE: 517-267-3221 ext: 2384

IFR

REVISIONS		BY	DATE
1	ISSUE FOR PRESENTATION	BRS	3/29/23
REVISED IN ACCORDANCE WITH CONSTRUCTION RECORDS			

GENESSEE POINTE CONDOMINIUMS
4-UNITS, 1 BUILDING
420 N. MARTIN LUTHER KING, JR. BLVD
LANSING, INGHAM COUNTY, MI

REMOVAL PLAN

PROJECT MGR.	DATE
BRS	3/10/23
DRAWN BY	DATE
BRS	3/10/23
ENGINEER	DATE
BRS	3/10/23
CAD FILE	EDIT
SCALE	1"=10'
DRAWING	
PLOT SCALE	

PROJECT 0001
C1.0
SHEET NO.

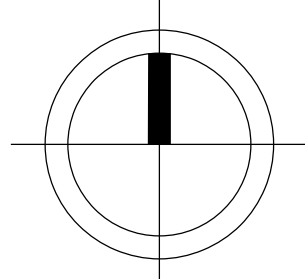
PROPOSED WATER
AND SANITARY SERVICES
PENDING SEWER SEPARATION
PROJECT IN MLK BLVD. (TYP)
SERVICES WILL BE BROUGHT
TO THE ROW EDGE BY THE CITY.



PROPOSED STORM LEAD
PENDING SEWER SEPARATION
PROJECT IN MLK BLVD. (TYP)
STORM LEAD WILL BE BROUGHT
TO ROW EDGE BY CITY.

LINE OF POLES & OVERHEAD WIRES

TELEPHONE MANHOLE
RIM=857.3



NORTH

0 5' 10' 20' 30'

SCALE: 1"= 10'-0"

SITE SUMMARY
ADDRESS: 420 N. MARTIN LUTHER KING, JR. BLVD
PARCEL ID: 33-01-01-17-231-041
COMBINED PARCELS:
33-01-01-17-231-011
33-01-01-17-231-021
33-01-01-17-231-031
33-01-01-17-231-041

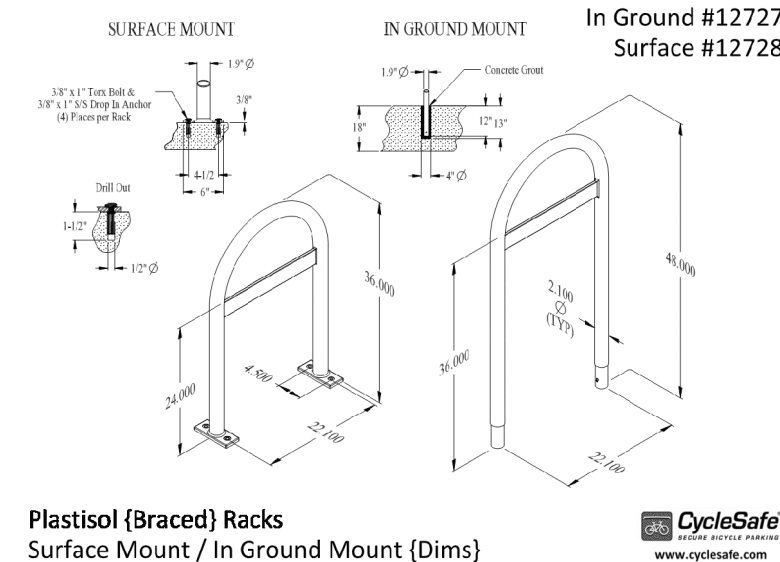
ZONING: RESIDENTIAL C - 2 UNIT
FORM BASED CODE: R-6B URBAN DETACHED RES.
DENSITY: PROP. 4 UNITS (8 ALLOWED)
SETBACKS: 20' FRONT GRANTED
5' SIDE, 15' TOTAL
30' REAR

AREAS:
PROPERTY: 19,602 SF (0.45 A)
ASPHALT: 6,330 SF
CONC. WALK: 1,336 SF
BUILDING: 2,400 SF
OPEN SPACE: 9,536 SF

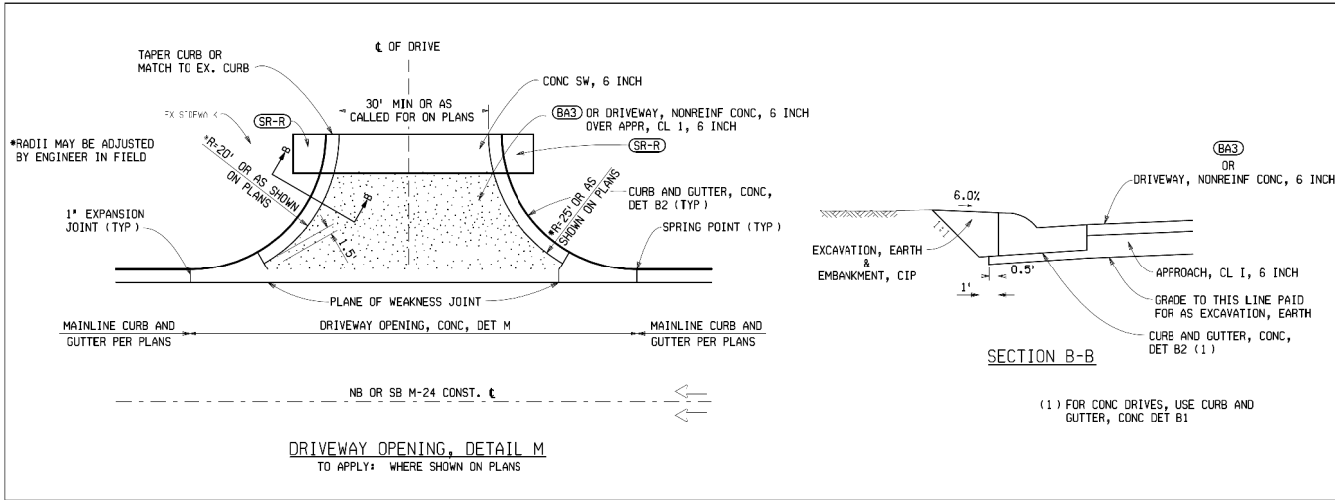
IMPERVIOUS (60%): 10,066 SF (0.23A), 51.4%
BUILDING (40%): 12.2 %

BUILDING HEIGHT: 20' - 45'
PARKING: 7 SPACES, 10' X 20'
1 VAN BF 8'X20' W/ 8' AISLE W/ SIGN
20' ACCESS DRIVE & 24' AISLE

TRASH: EACH CO-OWNER WILL BE RESPONSIBLE
FOR THE RECEIPTAL FOR THAT UNIT.



- NOTES:
1. SIDEWALK REPLACEMENT ACROSS PROPOSED ENTRANCE SHALL BE 7" THICKENED SECTION WITH 3" SAND BASE UNDER ALL PATHWAYS.
 2. THERE ARE NO KNOWN CONTAMINATIONS OR HAZARDOUS MATERIALS ON SITE.
 3. THE PROJECT WILL NOT ADVERSELY AFFECT OR BE HAZARDOUS TO EXISTING NEIGHBORING USES.
 4. NO EASEMENTS ARE KNOWN TO EXIST ON PROPOSED SITE. REFER TO PLAT AND INCLUDED PROPERTY SURVEY.
 5. BUILDING FOOTPRINT IS FOR PRESENTATION PURPOSES ONLY AND NOT TO BE USED FOR CONSTRUCTION LAYOUT PURPOSES.
 6. ALL TREE PROTECTION IF REQ'D SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF DEMOLITION AND/OR NEW CONSTRUCTION AND REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.
 7. OWNER/CONTRACTOR SHALL ACQUIRE A LAND CLEARING PERMIT FROM CITY.
 8. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY ENGINEERING DESIGN AND CONSTRUCTION STANDARDS.
 9. PERMIT REQ'D FOR ALL WORK WITHIN THE SAGINAW HWY ROW.
 10. OWNER/CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, LICENSES, AND APPROVALS FROM MDOT AND CITY PRIOR TO ANY CONSTRUCTION.
 11. ALL EXISTING CONCRETE AND BITUMINOUS TO BE REMOVED SHALL BE SAWCUT. ALL CONCRETE AND BITUMINOUS REMOVALS SHALL BE TAKEN OFF-SITE TO A LOCATION TO BE DETERMINED BY THE CONTRACTOR.
 12. ALL EXISTING WALKS SHALL BE PROTECTED. DAMAGED CONCRETE SHALL BE REPLACED AT NO COST TO THE CITY.
 13. ASPHALT PAVEMENT SECTION AND SITE PREPARATIONS SHALL BE PER GEOTECHNICAL REPORT BY PSI, INC. DATED 2/1/2023.



NOTE. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH MDOT AND CITY OF LANSING STANDARDS.

BRSE ENGINEERING, LLC
3821 Stoughton Drive
Lansing, MI 48910
Phone: (517) 719-5094
brseengineering@comcast.net

BRSE

INGHAM COUNTY LAND BANK
3024 TURNER ROAD
LANSING, INGHAM COUNTY, MI
PHONE: 517-267-3221 ext. 2384

IFR

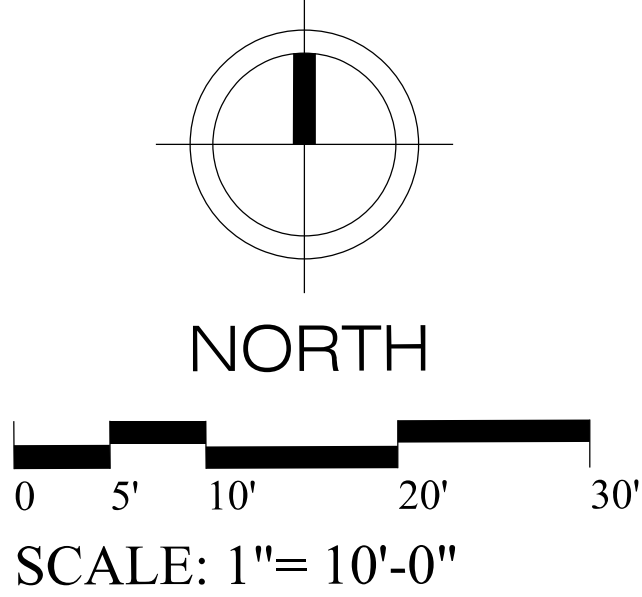
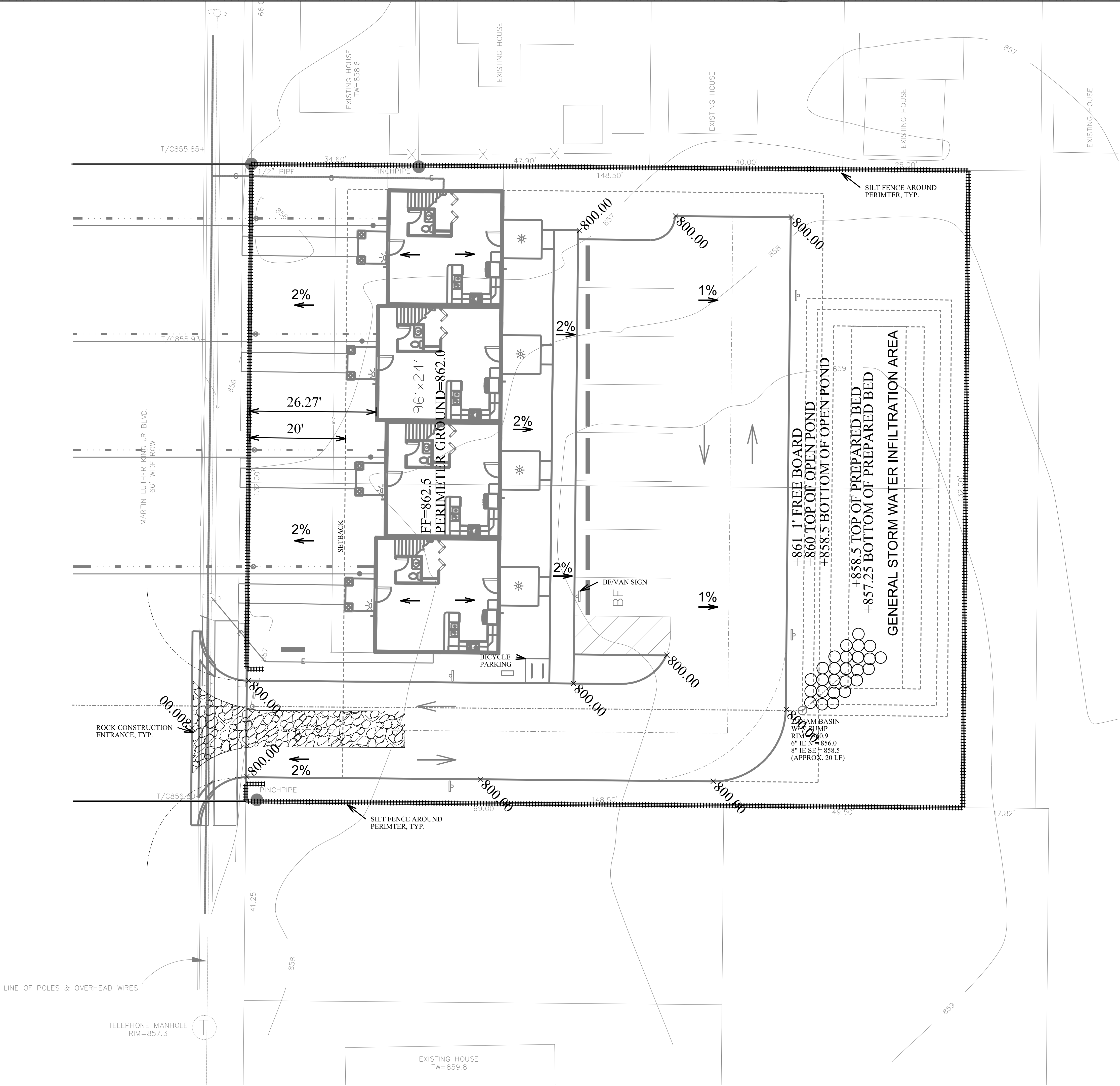
NO.	REVISIONS	BY	DATE
1	ISSUE FOR PRESENTATION	BRSE	3/10/23
2			
3			
4			
5			

GENESEE POINTE CONDOMINIUMS
4-UNITS, 1 BUILDING
420 N. MARTIN LUTHER KING, JR. BLVD
LANSING, INGHAM COUNTY, MI

SITE LAYOUT PLAN

PROJECT NO.	DATE
BRSE	3/10/23
DRAWN BY	DATE
BRSE	3/10/23
ENGINEER	DATE
BRSE	3/10/23
CAD FILE	EDIT
SCALE	1"=10'
DRAWING	
PILOT SCALE	

PROJECT 0001
C2.0
SHEET NO.



GRADES ARE IN NAVD88 DATUM.

POND AND OUTLET SHALL BE MAINTAINED PER THE CITY'S REGULATION.
ALL DRAINAGE ON SITE AND TURF AREAS SHALL BE MAINTAINED BY THE PROPERTY OWNER.

ALL SOIL EROSION CONTROL MEASURES SHOWN OR NOT SHOWN ON THESE PLAN SHEETS REQUIRED TO MAINTAIN THE SITE IN ACCORDANCE WITH THE CITY AND DEPARTMENT OF ENVIRONMENTAL QUALITY'S (DEQ) RULES AND REGULATIONS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR OF THE PROJECT REPRESENTED BY THESE PLAN SHEETS.

THE GENERAL CONTRACTOR, YET TO BE DETERMINED, AND/OR RESPONSIBLE PARTY SHALL BE NAMED ON THE SOIL EROSION CONTROL APPLICATION AT THAT TIME.

THE CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED GRADES PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER AND/OR OWNER OF ANY DISCREPANCIES THAT MAY AFFECT THE PROPOSED WORK OR COST.

- NOTES:
1. THERE ARE NO KNOWN CONTAMINATIONS OR HAZARDOUS MATERIALS ON SITE.
 2. ALL STORM PIPE SHALL BE PER CITY AND MDOT STANDARDS AND SPECIFICATIONS.
 3. SITE IS NOT WITHIN 500' OF STREAM, LAKE, OR OPEN CHANNEL COUNTY DRAIN. SITE IS LOCATED APPROXIMATELY 5000' WEST FROM THE GRAND RIVER.
 4. STORM SEWER IN SAGINAW HWY IS LOCATED WITHIN A KNOWN CITY/COUNTY DRAINAGE DISTRICT.
 5. BUILDING FOOTPRINT IS FOR PRESENTATION PURPOSES ONLY AND NOT TO BE USED FOR CONSTRUCTION LAYOUT PURPOSES. SEE ARCHITECTURAL PLANS.
 6. ALL TREE PROTECTION SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF DEMOLITION AND/OR NEW CONSTRUCTION AND REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.
 7. EXISTING SITE IS RESIDENTIAL WITH ABANDONED YARD.
 8. MAXIMUM SLOPE 1:4 FOR GRADED AREAS UNLESS OTHERWISE INDICATED.
 9. SOIL EROSION AND DEQ PERMIT SHALL BE APPLIED FOR BY CONTRACTOR.
 10. HANDICAP AND SIDEWALK RAMPS AND ACCESS SHALL BE IN ACCORDANCE WITH MICHIGAN BARRIER FREE DESIGN GRAPHICS MANUAL, 1993. MAXIMUM SLOPE = 8.3% OR 1:12. CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING ALL BARRIER FREE RAMPS INDICATED BY THIS NOTE. BARRIER FREE RAMPS SHALL BE CONCRETE PER DETAILS.
 11. ALL DISTURBED AREAS SHALL RECEIVE PERMANENT EROSION CONTROL WITHIN 5 DAYS OF FINAL GRADING.
 12. AS DESIGNED ON THESE PLAN SHEETS, THERE WILL NOT BE ANY ADVERSE AFFECT ON ADJACENT PROPERTIES DUE TO STORM WATER RUNOFF.
 13. SOIL INFORMATION WILL BE AVAILABLE FROM OWNER. SOIL MAPPING INDICATES THE SITE IS: URB - URBAN LAND - MARLETTE COMPLEX, 2-12% SLOPES
 14. THIS SITE IS NOT WITHIN A 100 YEAR FLOOD PLAIN.
 15. ALL PIPE TO STRUCTURE PENETRATIONS SHALL BE WRAPPED ON THE OUTSIDE WITH TWO LAYERS OF GEOTEXTILE FABRIC.
 16. SEE DETAILS SHEET 6.0 FOR SILT FENCE AND FILTER FABRIC INLET FILTER DETAILS.
 17. CONTRACTOR SHALL SWEEP STREETS IN OR CONTIGUOUS TO PROPERTY A MINIMUM OF ONCE PER WEEK OR MORE FREQUENTLY AS REQUIRED BY THE CITY, COUNTY, OR STATE.

FINAL TIMELINE TO BE VERIFIED AT TIME OF SESC APPLICATION
SOIL EROSION / SEDIMENTATION CONTROL
OPERATION TIME SCHEDULE

CONSTRUCTION SEQUENCE	2023											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Tree Protection Installation					X	X						
SESC Installation (must be installed before bldg demo)				X	X							
Tree Removal				X	X							
Site Balance & Detention				X	X	X	X					
Storm Install					X	X	X					
Utilities Install					X	X	X	X	X			
Building Construction								X	X	X	X	X
Site Improvements										X	X	X
Site Stabilization (Rego in Spring if Req'd)										X	X	X
Remove SESC - TBD (Only after Site Stabilization)											X	X
Occupancy Approval - TBD												



MICHIGAN DEPARTMENT OF MANAGEMENT AND BUDGET
S-E-S-C KEYING SYSTEM

KEY	BEST MANAGEMENT PRACTICES	SYMBOL	WHERE USED
EROSION CONTROLS			
E5	DUST CONTROL		For use on construction sites, unpaved roads, etc. to reduce dust and sedimentation from wind and construction activities.
E8	PERMANENT SEEDING		Stabilization method utilized on sites where earth change has been completed (final grading attained).
E12	RIPRAP		Use along shorelines, waterways, or where concentrated flows occur. Slows velocity, reduces sediment load, and reduces erosion.
SEDIMENT CONTROLS			
S51	SILT FENCE		Use adjacent to critical areas, to prevent sediment laden sheet flow from entering these areas.
S52	CATCH BASIN SEDIMENT GUARD		Use in or at stormwater inlets, especially at construction sites.
S53	STABILIZED CONSTRUCTION ACCESS		Used at every point where construction traffic enters or leaves a construction site.
S58	INLET PROTECTION FABRIC DROP		Used at stormwater inlets, especially at construction sites.

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LANSING, INGHAM COUNTY, MI
PHONE: 517-267-3221 ext: 2384

IFR

BY	DATE
BRS	3/2/23
REVISIONS	
ISSUE FOR PRESENTATION	
NO	

GENESEE POINTE CONDOMINIUMS
4-UNITS, 1 BUILDING
420 N. MARTIN LUTHER KING, JR. BLVD
LANSING, INGHAM COUNTY, MI

GRADING & SESC PLAN

PROJECT NO. 0001
DATE 3/10/23
DRAWN BY BRS
ENGINEER BRS
CAD FILE EDIT
SCALE 1"=10'
DRAWING
PLOT SCALE

C3.0

SHEET NO.

SITE DEVELOPMENT STORMWATER TOOL (SDST)

SITE	Name	Lansing Townhomes
	Parcel Identification	33-01-011-17-004-250
	Location Address	1209 W. Saginaw St. Lansing, MI 48915
	Nearest Major Intersection	Carey & Saginaw Streets

OWNER	Contact	Jerry Fedewa Homes, Inc.
	Organization	5570 Okemos Road
	Address	East Lansing, MI
	Phone	517-339-0020
	Email	

CALCULATIONS PERFORMED BY	Contact	Brett Stockhill
	Organization	BRS Engineering, LLC
	Address	3821 Stoneleigh Dr.
	Phone	Lansing, MI 48910
	Email	bstockhill@comcast.net

PROJECT DESCRIPTION	Date	November 1, 2022

COMMENTS, QUESTIONS, OR CONCERNS		

FOR CITY USE ONLY	Site Plan Review	SPR 20 -
	Public Service Site Plan	SPR - / - / -
	Reviewed by	
	Approved by	
	Comments:	

PURPOSE		

STEPS	1 Job Control	Job control information is typically set once per community according to design requirements.
	2 Site Area and Soil Type	Input site total area and the native soil type. A manual entry for the infiltration rate can be input. Backup information supporting the infiltration rate should be provided when manually adjusting the default values.
	3 Condition Prior to Development	Use the drop down boxes to select the cover type for the site and enter the surface area for each cover type. Up to five (5) separate cover types may be selected. The composite CN for the site is automatically calculated. Manual entry of the CN is allowed. Time of concentration is also entered. Total site area must equal the area entered in Step 1.
	4 Post Development Condition	Repeat Step 3 except for the post development conditions.
	5 Stormwater Control Measures	Enter SCMs here. First enter the cross-sectional information, next enter the outlet control mechanism. Cross-section information is entered from the bottom up. Evaporation and infiltration may be toggled on and off for each control measure independently. It is suggested to work first on the smallest storm and meet the criterion. Then work sequentially on the larger events meeting the incremental criteria for each event.

6 Individual Results		

7 Drainage Area Summary		

8 Sediment Control Strategy		

9 Total System Results		

10 Graphical System Results		

CELL FORMATTING		

NOMENCLATURE		

MODELING CAVEATS		

REFERENCES		

SITE CHARACTERISTICS

STEP 2	SITE AREA	0.53 acres
	SOIL TYPE	HSG Auto Manual Infi (in/hr)
	Soil team	C 0.27

STEP 3	CONDITION PRIOR TO DEVELOPMENT	

STEP 4	POST DEVELOPMENT CONDITIONS	

STEP 5	STORMWATER CONTROL MEASURES	

STEP 6	INDIVIDUAL SCM RESULTS	

STEP 7	DRAINAGE AREA SUMMARY	

STEP 8	SEDIMENT CONTROL STRATEGY FOR UNCONTROLLED PORTIONS OF THE SITE	

STEP 9	TOTAL SYSTEM RESULTS	

STEP 10	90% Recurrence Interval	

STEP 11	2-year 24-hour Design Storm	

STEP 12	10-year 24-hour Design Storm	

STEP 13	100-year 24-hour Design Storm	

MASTER SITE DEVELOPMENT STORMWATER TOOL

SCM 1	Practice Type	Bio-retention
	Drainage Area (ac)	0.53
	Discharge To	Drainage Area considered middle of building south including partial back yards of neighboring property. Reduced impervious by 1500sf per lot.

SCM 2	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 3	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 4	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 5	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 6	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 7	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 8	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 9	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 10	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 11	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 12	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 13	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 14	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 15	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 16	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 17	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 18	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 19	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 20	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 21	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 22	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 23	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 24	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 25	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 26	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 27	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 28	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 29	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 30	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 31	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 32	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 33	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 34	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 35	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 36	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 37	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

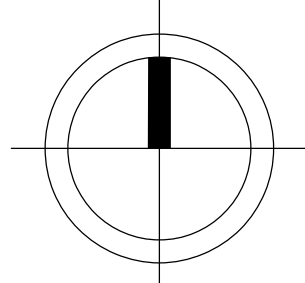
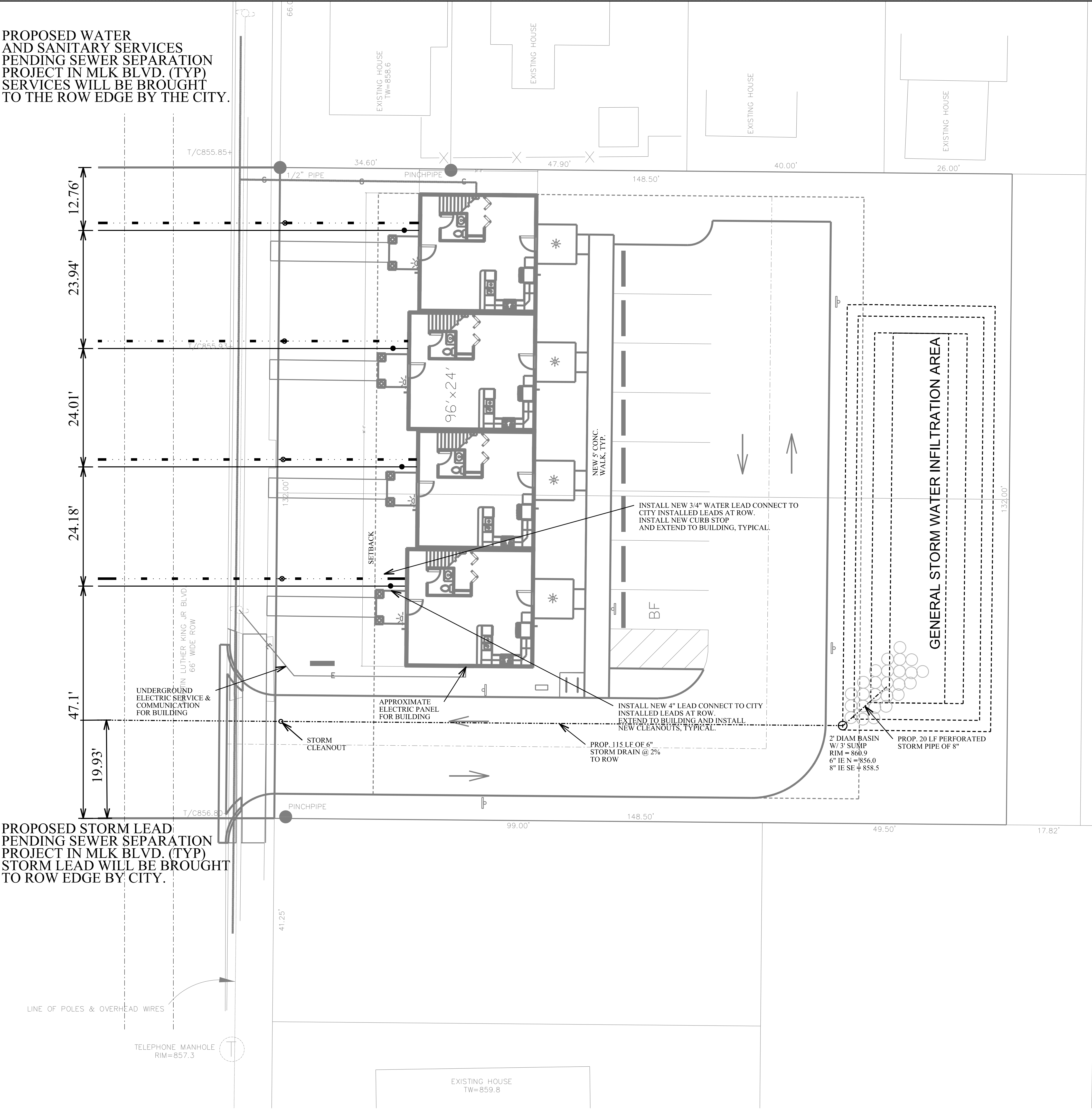
SCM 38	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 39	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

SCM 40	Practice Type	None
	Drainage Area (ac)	
	Discharge To	

PROPOSED WATER
AND SANITARY SERVICES
PENDING SEWER SEPARATION
PROJECT IN MLK BLVD. (TYP)
SERVICES WILL BE BROUGHT
TO THE ROW EDGE BY THE CITY.

PROPOSED STORM LEAD
PENDING SEWER SEPARATION
PROJECT IN MLK BLVD. (TYP)
STORM LEAD WILL BE BROUGHT
TO ROW EDGE BY CITY.



0 5' 10' 20' 30'
SCALE: 1"= 10'-0"

- NOTES:
1. SANITARY LEAD FOR BUILDING SHALL BE 4" SCH 40 AT MIN. GRADE OF 1%.
SANITARY MAINS SHALL BE 8" AT GRADES SHOWN ON PLAN SHEETS.
MINIMUM SLOPE FOR 8" SANITARY SHALL BE 0.4%.
 2. WATER LEAD FOR EACH UNIT SHALL BE 3/4" TYPE K COPPER PER
LBWL STANDARDS WITH CURB STOP.
 3. WATER MAIN SHALL DUCTILE IRON - CL64 WITH MIN. OF 5' COVER.
 4. SEPARATION BETWEEN WATER AND SANITARY MAINS SHALL BE 18" MIN.
VERTICAL, 10' MIN. HORIZONTAL.
 5. WATERMAIN TAP AND FIRE HYDRANT ASSEMBLY SHALL BE
PER MERIDIAN TWP STANDARDS.
 6. ALL STORM CATCH BASINS SHALL HAVE A 3' SUMP PER CITY SPECIFICATIONS.
 7. THERE ARE NO KNOWN CONTAMINATIONS OR HAZARDOUS MATERIALS ON SITE.
 8. ALL STORM PIPE SHALL BE PER CITY AND MDOT STANDARDS AND SPECIFICATIONS.
 9. STORM SEWER IN SAGINAW HWY IS LOCATED WITHIN A KNOWN COUNTY
DRAINAGE DISTRICT.
 10. BUILDING FOOTPRINT IS FOR PRESENTATION PURPOSES ONLY AND NOT TO BE
USED FOR CONSTRUCTION LAYOUT PURPOSES.
 11. ALL TREE PROTECTION SHALL BE INSTALLED BY THE CONTRACTOR
PRIOR TO COMMENCEMENT OF DEMOLITION AND/OR NEW
CONSTRUCTION AND REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.
 12. ALL WATER AND SANITARY MAINS AND LEADS SHALL BE CONSTRUCTED
ACCORDING TO LBWL & CITY STANDARDS.

CONTRACTOR SHALL MONUMENT AND RECORD ALL UTILITY LOCATIONS
INCLUDING BENDS, VALVES, TAPS, CLEANOUTS, AND BUILDING ENTRY OF
ALL WATER, SANITARY, GAS, ELECTRIC, ETC.

MONUMENTATION MUST INCLUDE AT LEAST TWO DIMENSIONS FROM A
PERMANENT SITE FIXTURE SUCH AS A BUILDING CORNER OR MANHOLE.
THESE MEASUREMENTS SHALL BE PROVIDED TO THE ENGINEER
FOR RECORDING PURPOSES.

BRS ENGINEERING, LLC
3821 Stokely Drive
Lansing, MI 48910
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bseengineering@comcast.net

BRSE

INGHAM COUNTY LAND BANK
3024 TURNER ROAD
LANSING, INGHAM COUNTY, MI
PHONE: 517-267-3221 ext: 2384

IFR

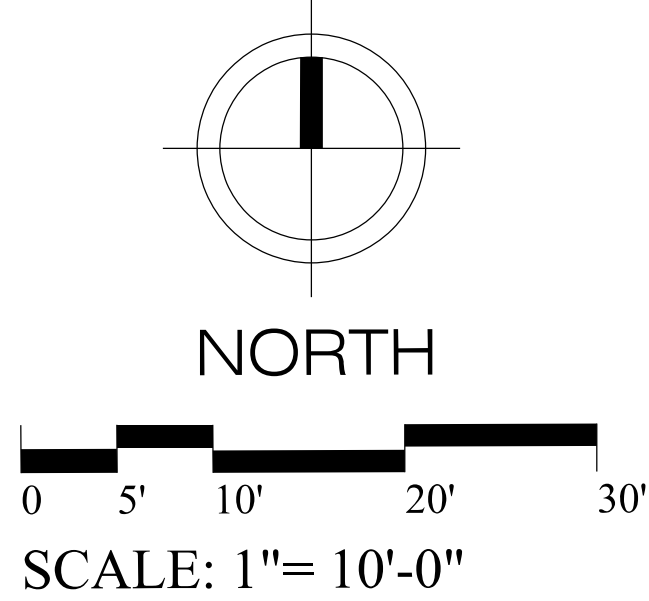
REVISIONS		BY	DATE
1	ISSUE FOR PRESENTATION	BRS	3/20/23
REVISED IN ACCORDANCE WITH CONSTRUCTION RECORDS			

GENESSEE POINTE CONDOMINIUMS
4-UNITS, 1 BUILDING
420 N. MARTIN LUTHER KING, JR. BLVD
LANSING, INGHAM COUNTY, MI

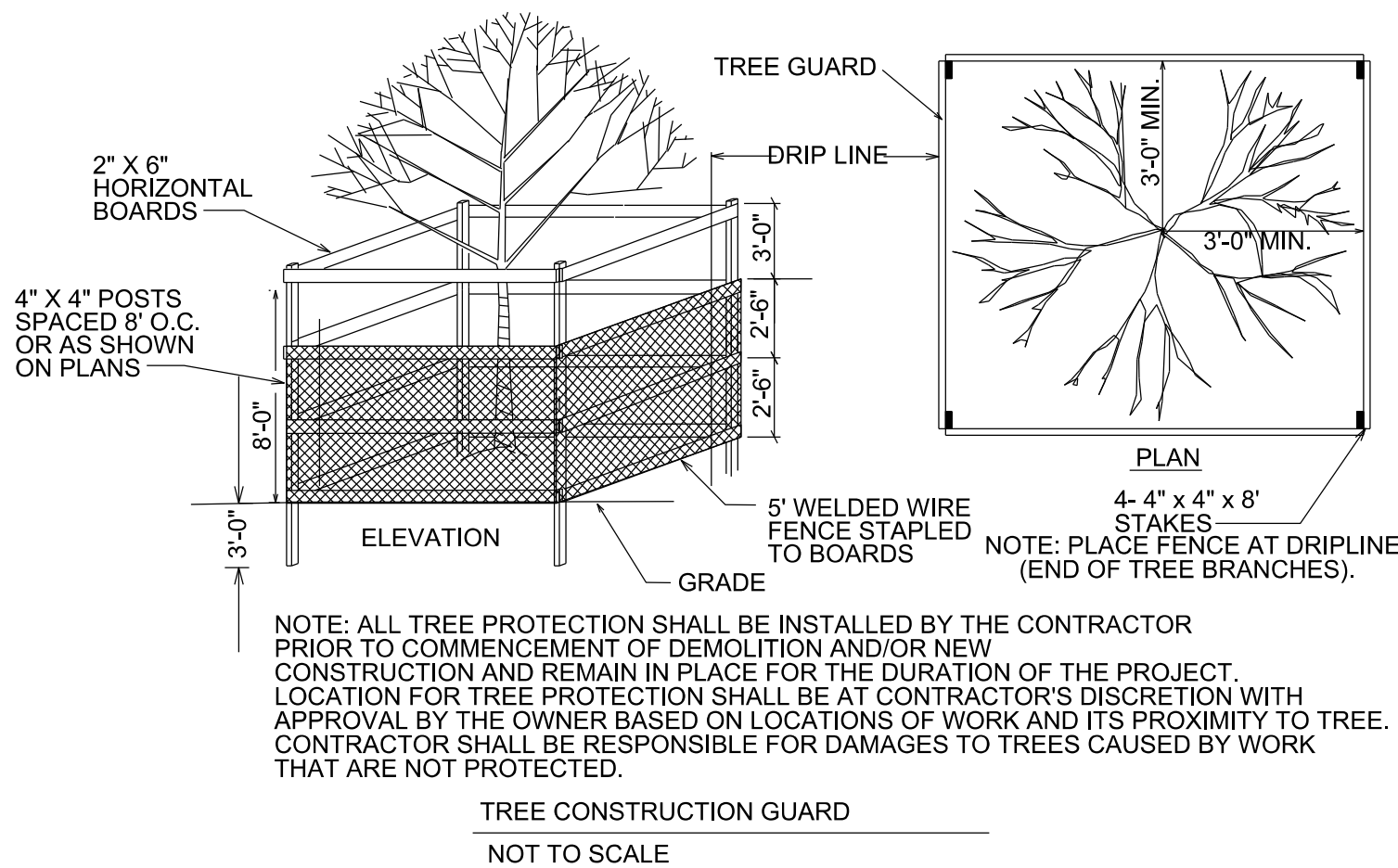
UTILITY PLAN

PROJECT	MGR.	DATE
BRS		3/10/23
DRAWN BY	DATE	
BRS		3/10/23
ENGINEER	DATE	
BRS		3/10/23
CAD FILE	EDIT	
SCALE	1"=10'	
DRAWING		
PLOT SCALE		

PROJECT 0001
C4.0
SHEET NO.



- CONTRACTOR SHALL VERIFY ALL EXISTING & PROPOSED UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
- 2) CONTRACTOR IS RESPONSIBLE FOR THE LOCATION, PROTECTION AND REPAIR OF UTILITIES ENCOUNTERED DURING CONSTRUCTION WHETHER SHOWN ON PLANS OR NOT.
- 3) CONTRACTOR IS TO STAKE PLANTINGS PRIOR TO PLACEMENT AND OBTAIN APPROVAL FROM A LANDSCAPE ARCHITECT.
- 4) AAN (AMERICAN ASSOCIATION OF NURSERYMAN) STANDARDS FOR NURSERY STOCK AND PLANTING PROCEDURES SHALL APPLY.
- 5) ALL SHRUBS SHALL BE INSTALLED WITH TRIANGULAR SPACING UNLESS OTHERWISE NOTED.
- 6) PLANTING SOIL MIXTURE SHALL BE PREPARED ON-SITE BY MIXING THREE PARTS OF TOP SOIL TO ONE PART EXISTING SITE SOIL 5 TO ONE PART PEAT, ADDING 5 POUNDS OF SUPERPHOSPHATE FERTILIZER TO EACH CUBIC YARD OF MIXTURE.
- 7) ALL PLANTING BEDS TO BE SHREDDED BARK MULCH UNLESS OTHERWISE NOTED.
- 8) PLANT BEDS THROUGHOUT ARE EDGED WITH PLASTIC EDGING, TYPE TO BE APPROVED BY THE OWNER.
- 9) LANDSCAPE FABRIC SHALL BE DUPON TYPAR #3207 OR APPROVED EQUIVELANT.
- 10) SHREDDED MULCH SHALL BE 100% WOOD FIBER - SUBMIT SAMPLE TO LANDSCAPE ARCHITECT BEFORE PLACEMENT.
- 11) ALL CANOPY TREES MUST HAVE A MINIMUM CALIPER OF 2 INCHES.
- 12) TREES PLANTED WITHIN LAWN AREAS ARE TO BE SURROUNDED BY 4" DIAMETER CIRCLE OF BARK MULCH.
- 13) GRASS SEED MIX TO BE PERK SPECIFICATION.
- 14) PLANTINGS REQUIRED ARE SHOWN; OTHER PLANTINGS WILL BE ADDED TO LANDSCAPING AS REQUIRED BY OWNER.
- 15) THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANTINGS FOR A PERIOD OF ONE YEAR COMMENCING AT THE DATE OF FINAL ACCEPTANCE BY OWNER.
- 16) SEE LANDSCAPE DETAILS SHEET FOR INSTALLATION OF PLANTING MATERIALS.
- 17) ALL DEAD WOOD SHALL BE REMOVED FROM TREES TO BE SAVED DURING CONSTRUCTION.



SPECIFICATIONS

GENERAL SPECIFICATIONS

1. FOR PROTECTION OF UNDERGROUND UTILITIES, THE CONTRACTOR SHALL DIAL 1-800-482-7171 A MINIMUM OF 72 HOURS PRIOR TO EXCAVATING 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 UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.
2. INFORMATION ON DEPTH, SIZE AND ETC. OF ALL OTHER UNDERGROUND UTILITIES SHOWN HEREON IS PLAN INFORMATION ONLY, OBTAINED FROM THE UTILITY COMPANY INVOLVED OR FROM OBSERVATION. PRIOR TO ANY CONSTRUCTION, IT IS RECOMMENDED THAT ALL UTILITY COMPANIES, AGENCIES, DEPARTMENTS AND ETC. INVOLVED BE CONTACTED FOR VERIFICATION OF SUCH LOCATIONS.
3. THE LOCATION, SIZE AND ELEVATION OF SEWERS, WATER LINES AND RELATED STRUCTURES SHOWN HEREON WERE OBTAINED FROM EXISTING PLANS PREPARED BY OTHERS AND FIELD OBSERVATIONS. BRSEENGINEERING, LLC. IS NOT RESPONSIBLE FOR ANY OTHER SEWERS, DRAINS, OR RELATED STRUCTURES NOT FOUND AND NOT SHOWN HEREON THAT MAY CROSS, PARALLEL, LIE CONTIGUOUS TO OR SERVICE THIS SITE.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY, PRIOR TO BEGINNING CONSTRUCTION, ALL CRITICAL ELEVATIONS AND LOCATIONS OF UNDERGROUND UTILITIES. IF ELEVATIONS OR LOCATIONS ARE SUBSTANTIALLY DIFFERENT THAN SHOWN ON THE PLANS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
5. ALL MATERIAL PLACED BELOW OR WITHIN THE INFLUENCE OF ROADS, CURBING, CONCRETE, PAVING OR ANY STRUCTURE SHALL BE COMPACTED TO 95% OF THE MATERIAL'S MAXIMUM UNIT WEIGHT BASED ON THE MODIFIED PROCTOR (ASTM D1557-70). IN AREAS OTHER THAN NOTED ABOVE, ALL MATERIAL SHALL BE COMPACTED TO 90% OF IT'S MAXIMUM UNIT WEIGHT.
6. ALL UTILITY BEDDING SHALL BE A MINIMUM OF CLASS "B" AS PER ASTM C-12, UNLESS OTHERWISE SPECIFIED ON THE PLANS. BEDDING SHALL BE CONSIDERED INCIDENTAL TO THE PLACING OF THE UTILITY. THE TYPICAL TRENCH DETAILS SHOWN ON THE MERIDIAN TOWNSHIP DETAILS SHALL BE USED FOR SANITARY SEWER AND WATER MAIN. THE TYPICAL TRENCH DETAIL ON THIS SHEET SHALL BE USED FOR ALL OTHER UTILITIES.
7. ALL FACILITIES AND GROUNDS DAMAGED BY CONSTRUCTION SHALL BE REPAIRED AND RETURNED AS NEARLY AS POSSIBLE TO THEIR CONDITION PRIOR TO THIS CONSTRUCTION. THIS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
8. UPON COMPLETION OF GRADING, ALL DISTURBED AREAS SHALL BE COVERED WITH A MINIMUM OF 4" OF TOPSOIL AND THEN SEEDED AND MULCHED.
9. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL REMOVE ALL MUD AND DEBRIS FROM SEWERS, MANHOLES, CATCH BASINS AND RELATED STRUCTURES.
10. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SCHEDULE CONSTRUCTION IN SUCH A MANNER AS TO MINIMIZE INCONVENIENCE TO RESIDENTS DUE TO INTERRUPTIONS IN SEWER OR WATER SERVICE OR BLOCKAGE OF STREETS.

SANITARY SEWER LEADS

1. ALL SANITARY SEWER LEADS SHALL BE 6" AND LAID TO A MINIMUM SLOPE OF 1.00%.

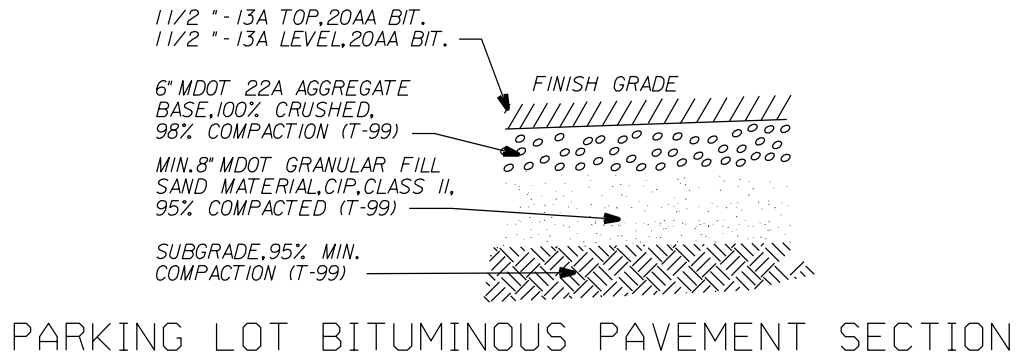
WATER SERVICE

1. ALL WATER LEADS SHALL BE 1.25" TYPE K COPPER.

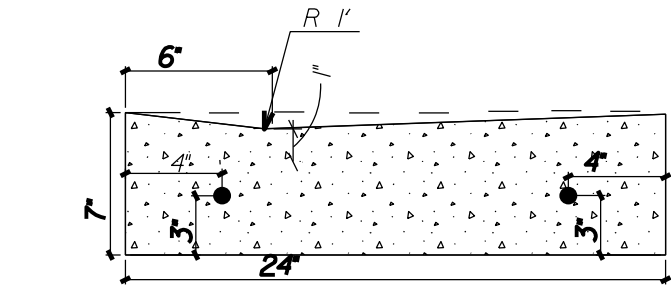
STORM SEWER

1. ALL STORM SEWER CONSTRUCTION SHALL COMPLY WITH THE CONSTRUCTION STANDARDS OF THE CITY AND SHALL BE SUBJECT TO THEIR INSPECTION AND APPROVAL.
 2. ALL DRAINAGE STRUCTURES SHALL BE THE MATERIAL AS SPECIFIED IN PLAN DETAILS. THE BASE OF ALL STRUCTURES SHALL BE PLACED ON A BED OF 4" OF COMPACTED SAND.
 3. STORM SEWER PIPE SHALL BE GALVANIZED CMP AS SPECIFIED ON PLANS. ALL JOINTS SHALL BE WRAPPED IN GEOTEXTILE MATERIAL.
- ROADS, PARKING AND CONCRETE
1. ALL WORK WITHIN THE ROAD RIGHT-OF-WAY SHALL COMPLY WITH THE CONSTRUCTION STANDARDS AND SPECIFICATIONS OF MDOT (INCLUDING BUT NOT LIMITED TO MATERIALS AND THICKNESSES). NO WORK SHALL BE PERFORMED WITHIN THE ROAD RIGHT-OF-WAY UNTIL THE APPROPRIATE PERMITS ARE OBTAINED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO OBTAIN ALL PERMITS REQUIRED.
 2. ALL EXISTING THICKNESSES OF MATERIALS WITHIN PUBLIC ROADWAYS SHALL BE MATCHED DURING THE RECONSTRUCTION WITHIN THE ROAD RIGHT OF WAY.
 3. ANY UNDESIRABLE MATERIAL ENCOUNTERED BENEATH THE ROAD, DRIVEWAY, PARKING LOT OR BUILDING SHALL BE REMOVED AND REPLACED WITH SATISFACTORY MATERIAL PLACED IN 6" LAYERS AND COMPACTED TO 95% OF ITS MAXIMUM UNIT WEIGHT.

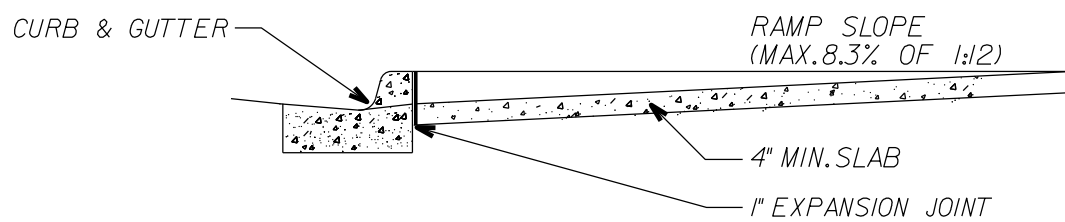
4. CURB AND GUTTER SHALL BE AS SHOWN ON THE PLANS. CURB AND GUTTER SHALL CONTAIN TWO 1/2" STEEL REINFORCING BARS PLACED AS SHOWN. CONCRETE SHALL BE GRADE 35S OR 35P WITH A 28 DAY STRENGTH OF 3500 P.S.I. IN ACCORDANCE WITH M.D.O.T. SPECIFICATIONS SEC. 6.09.
5. CURB AND GUTTER IN ROAD RIGHT OF WAY SHALL HAVE 11" OF COMPACTED CLASS 2 SAND PLACED BELOW IT. CURB AND GUTTER IN PARKING AREA SHALL HAVE A MINIMUM OF 4" OF COMPACTED CLASS 2 SAND PLACED BELOW IT.
6. ALL INTERSECTIONS OF SIDEWALKS, DRIVES AND PARKING AREAS AT THE SHOWN BARRIER FREE RAMP LOCATIONS SHALL COMPLY WITH BARRIER FREE REQUIREMENTS.
7. THE PARKING AND DRIVE AREAS SHALL HAVE THE FOLLOWING: GRADING AND COMPACTION OF THE SUBGRADE, A MINIMUM OF 8" OF COMPACTED CLASS 2 SAND SUB-BASE, A MINIMUM OF 6" OF 22A ROAD GRAVEL BASE AND 3" OF BITUMINOUS PAVING PLACED IN 2 - 1 1/2" LIFTS.



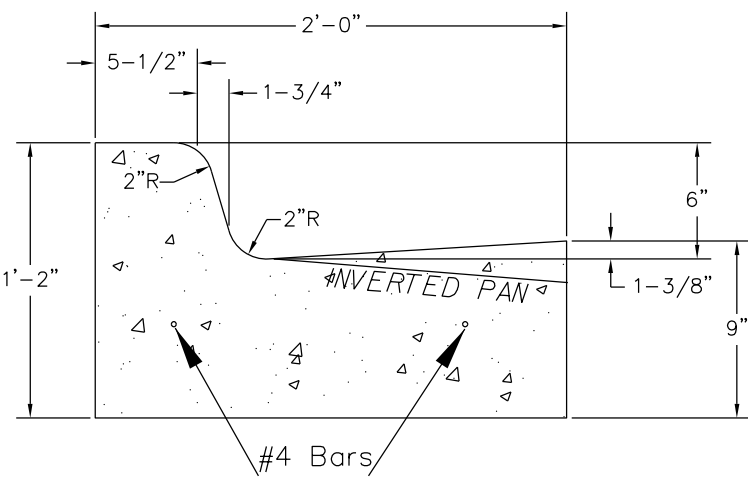
MINIMUM ROW BITUMINOUS PAVEMENT SECTION



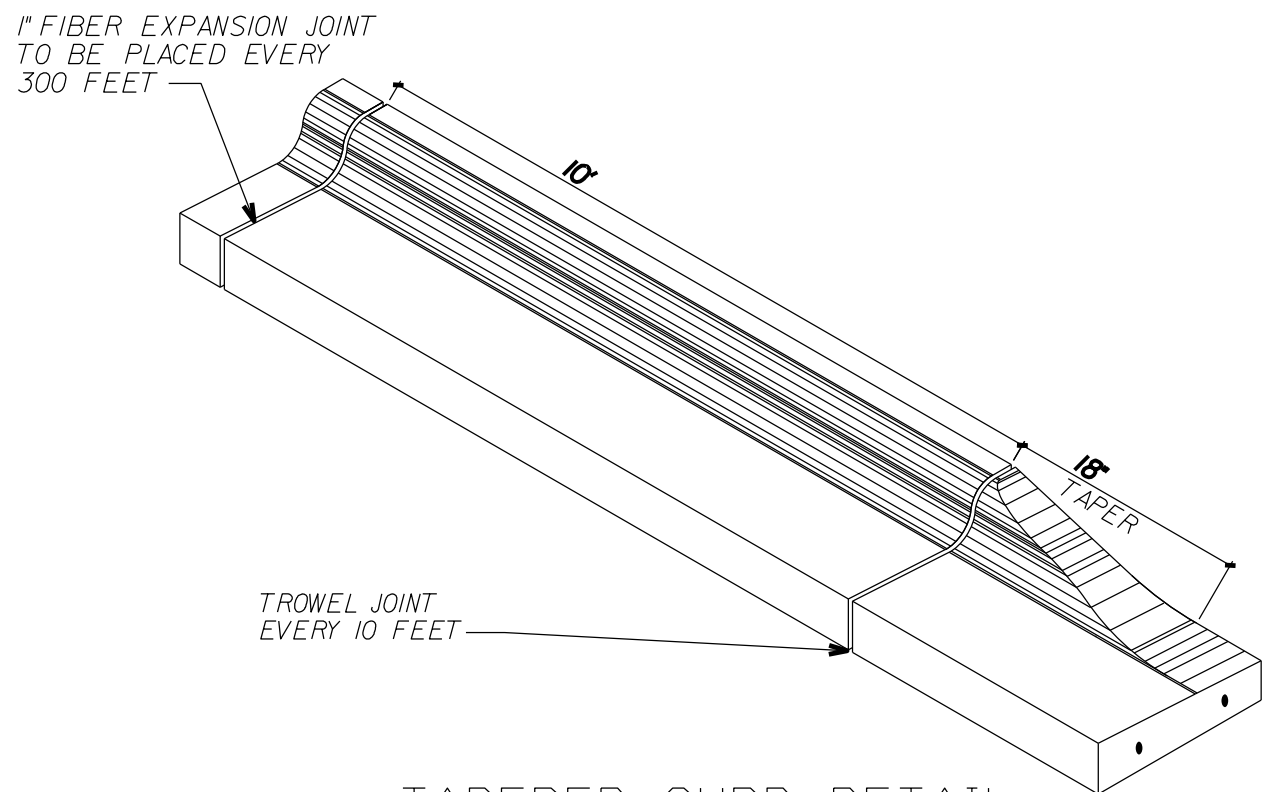
GUTTER PAN DETAIL



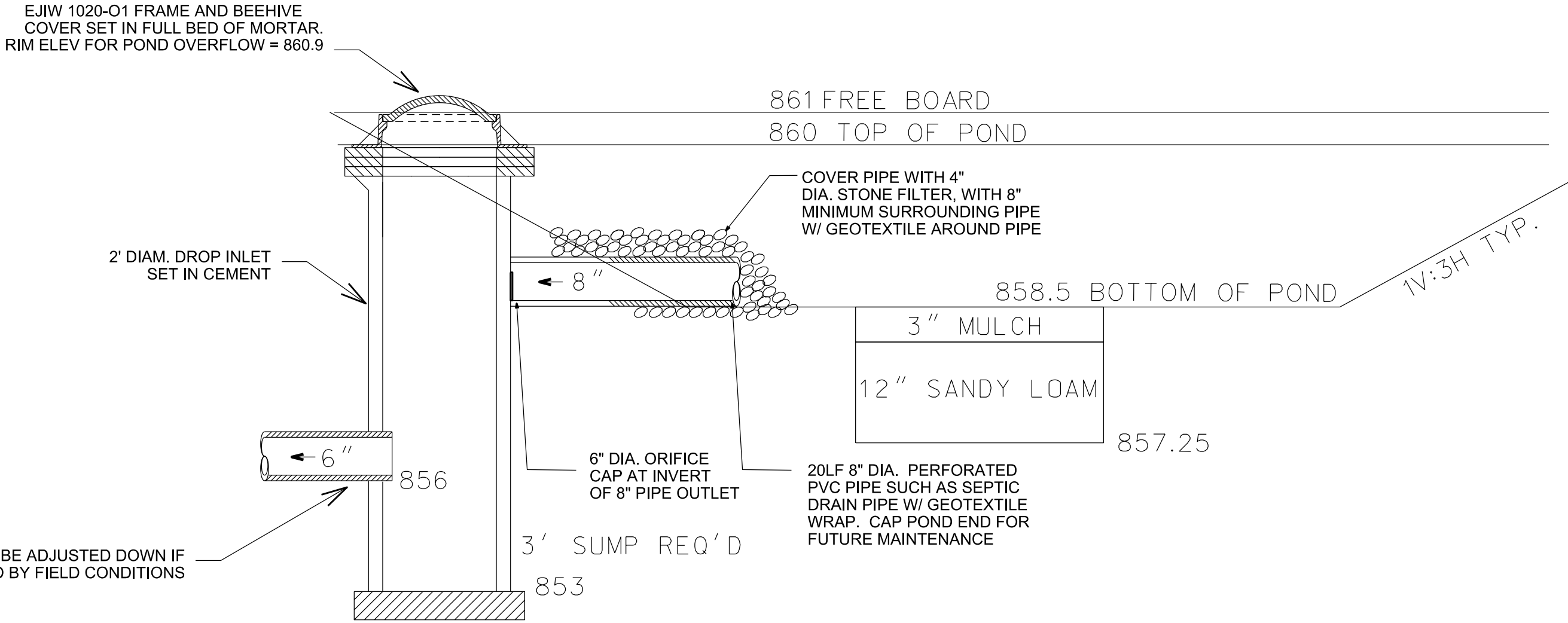
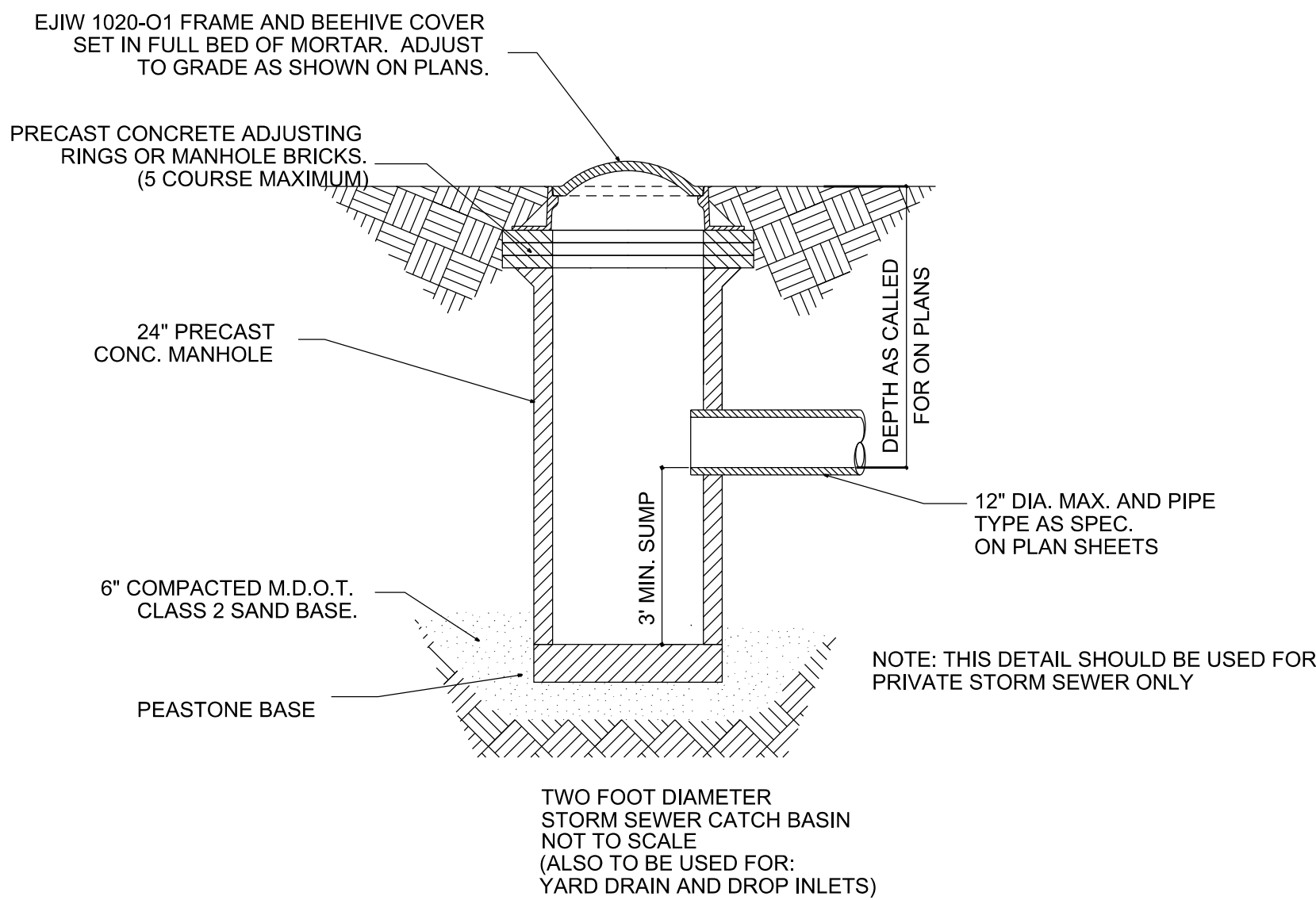
RAMP DETAIL



MDOT F-4
Concrete Curb & Gutter Detail

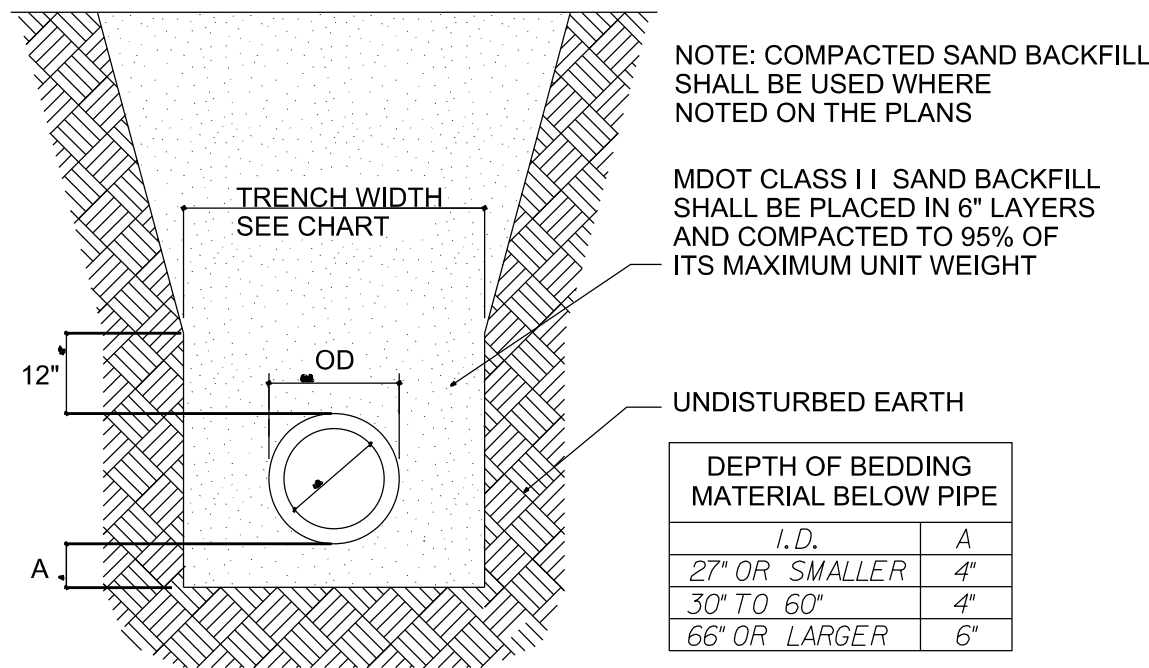


TAPERED CURB DETAIL

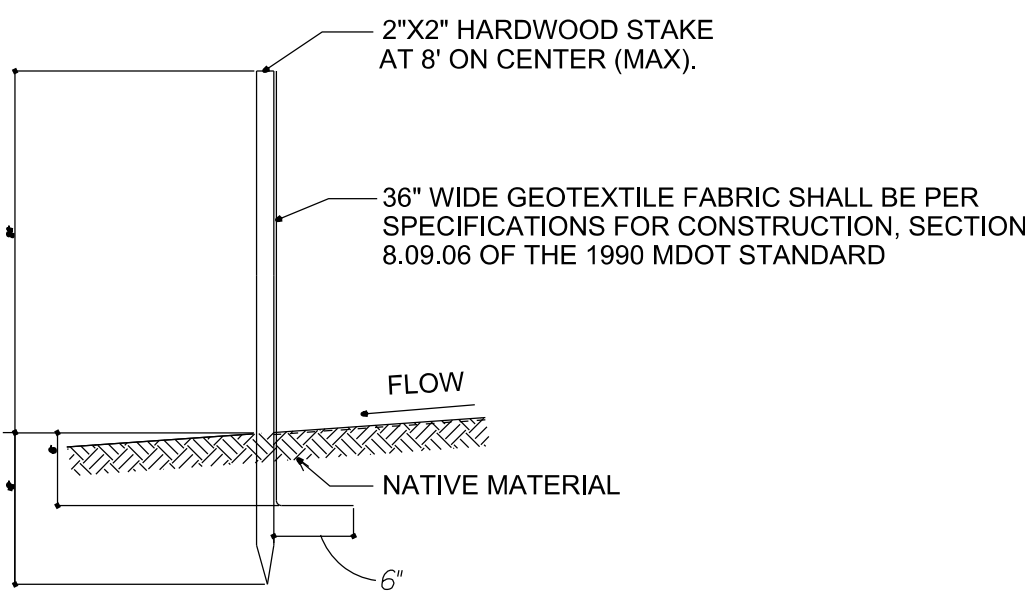


BIORETENTION SECTION

PIPE MATERIAL	TRENCH MINIMUM	WIDTH MAXIMUM
RCP	O.D. * 12"	O.D. * 24"
PVC	O.D. * 24"	O.D. * 36"
DIP	O.D. * 12"	O.D. * 24"



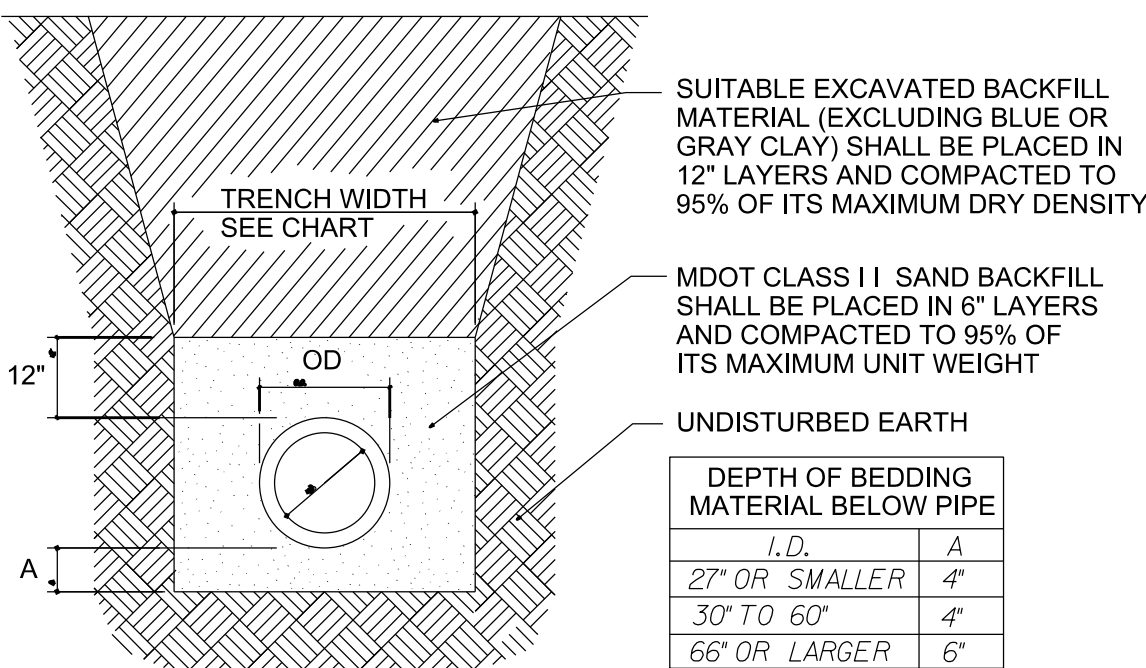
COMPACTED SAND BACKFILL
(FOR USE UNDER PAVEMENT AREAS)
PIPE BEDDING AND BACKFILL DETAIL
SCALE: NO SCALE



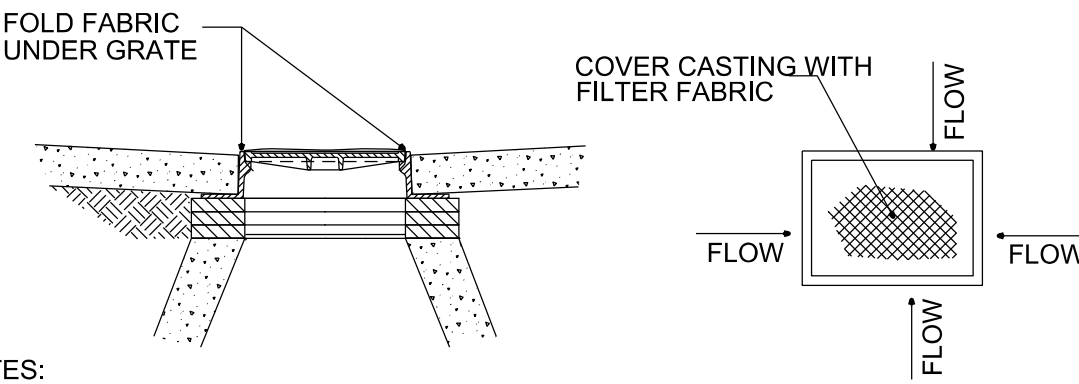
REGULAR MAINTNANCE OF FILTERS SHALL BE PER SCHEDULE SET FORTH IN SOIL EROSION CONTROL PERMITS. PER EATON COUNTY DRAIN OFFICE STDs.

SILT FENCE
SCALE: NO SCALE

PIPE MATERIAL	TRENCH MINIMUM	WIDTH MAXIMUM
RCP	O.D. * 12"	O.D. * 24"
PVC	O.D. * 24"	O.D. * 36"
DIP	O.D. * 12"	O.D. * 24"



EXCAVATED MATERIAL BACKFILL
(FOR USE IN NON-PAVEMENT AREAS)
PIPE BEDDING AND BACKFILL DETAIL
SCALE: NO SCALE



NOTES:

1. CLEAN FILTER WHEN FLOW BECOMES RESTRICTED.
2. FILTER FABRIC SHALL BE OF THE FOLLOWING OR AN APPROVED EQUIVALENT:
A) MIRAFI (NON-WOVEN) - CELANESE FIBERS MARKETING CO.
B) POLYFILTER X (WOVEN) - CARTHAGE MILLS
C) TYPAR (NON-WOVEN) - DUPONT COMPANY
D) OR APPROVED EQUAL
3. ALL MANHOLES, CATCH BASINS, AND CURB INLETS TO BE PROTECTED WITH THE FILTER FABRIC INLET FILTER SHOWN ABOVE.
4. REGULAR MAINTNANCE OF FILTERS SHALL BE PER SCHEDULE SET FORTH IN SOIL EROSION CONTROL PERMITS.

FILTER FABRIC INLET FILTER
SCALE: NO SCALE

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brseengineering@comcast.net

BRSE

INGHAM COUNTY LAND BANK
3024 TURNER ROAD
LANSING, INGHAM COUNTY, MI

IFR

REVISIONS	BY	DATE
1	BRSE	7/20/23

GENESEE POINTE CONDOMINIUMS
4-UNITS, 1 BUILDING
420 N. MARTIN LUTHER KING, JR. BLVD
LANSING, INGHAM COUNTY, MI

SPECIFICATIONS & DETAILS

PROJECT	WDR	DATE
BRSE		9/8/22
DRAWN BY	DATE	
BRSE		9/8/22
ENGINEER	DATE	
BRSE		9/8/22
CAD FILE	EDIT	

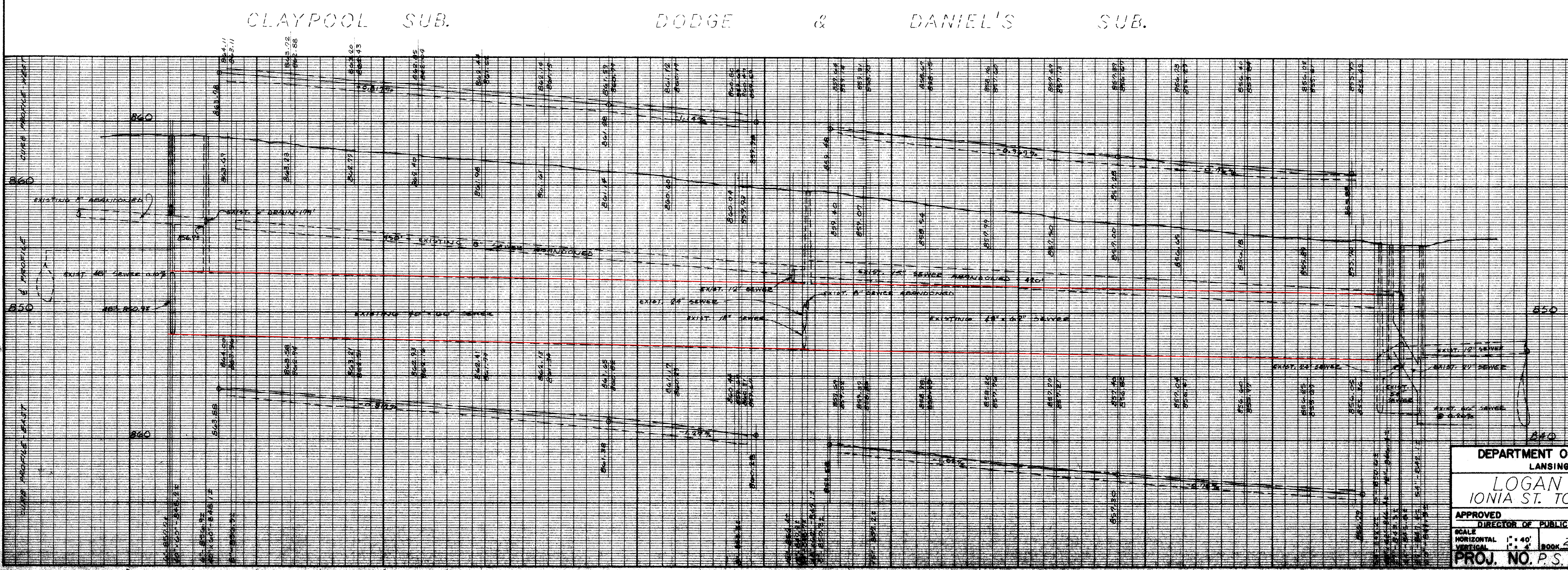
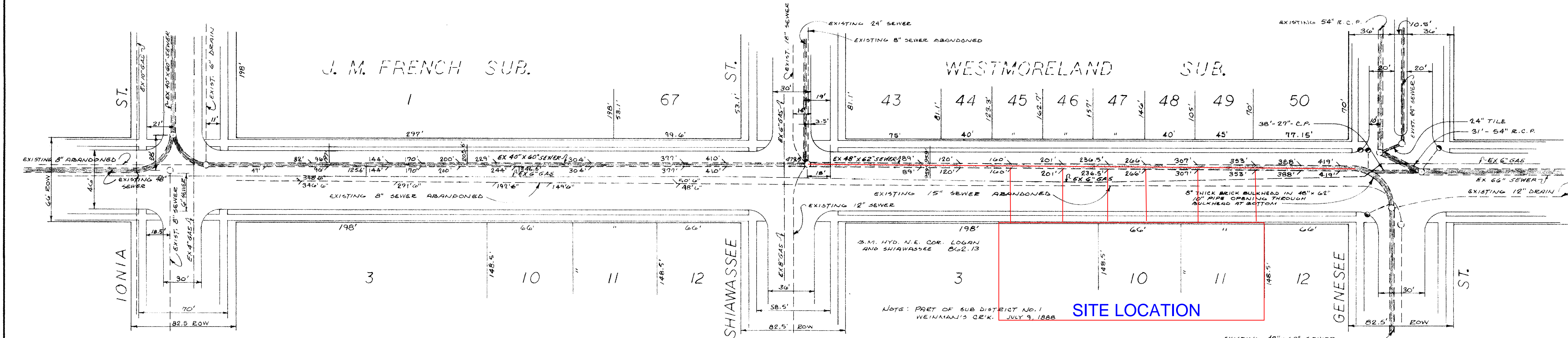
SCALE 1"=10'
DRAWING
PLOT SCALE
PROJECT 0001
C6.0
SHEET NO.

LOGAN STREET
FOR GENERAL REFERENCE ONLY
FIELD VERIFICATION OF ALL INFORMATION IS REQUIRED
CITY RECONSTRUCTION OF MLK BLVD FOR SEWER SEPARATION
PROJECT NOT REPRESENTED HEREIN.

DATE	BY	OPERATION
		FINAL DESIGN CHECKED
		FINAL DESIGN CHECKED
		FINAL ROW CHECKED
		QUANTITIES CHECKED
		QUANTITIES CHECKED
		AS CONST. MEASURED
		AS CONST. PLOTTED

DATE	BY	OPERATION
		SAN SEWER DESIGN OK
		STORM SEWER DESIGN OK
		SAN SEWER QUANTITIES OK
		STORM SEWER QUANTITIES OK
		STORM SEWER QUANTITIES OK
		STORM SEWER QUANTITIES OK
		STORM SEWER QUANTITIES OK

DATE	BY	OPERATION
2/1/79	R.E. PUGH	PLAN CHECKED
2/1/79	R.E. PUGH	PROFILE CHECKED
2/1/79	R.E. PUGH	PROFILE CHECKED
2/1/79	R.E. PUGH	PROFILE CHECKED
2/1/79	R.E. PUGH	PROFILE CHECKED
2/1/79	R.E. PUGH	PROFILE CHECKED
2/1/79	R.E. PUGH	PROFILE CHECKED



REPLACES DRAWING
CUBA
SEWER
GUTTER
2128 1001
0541 1520
SMT 1062 1520A
G1087 1520A
SMT 2063

DEPARTMENT OF PUBLIC SERVICE LANSING, MICHIGAN	
LOGAN STREET IONIA ST. TO GENESEE ST.	
APPROVED	FILE NO.
SCALE HORIZONTAL 1" = 40' VERTICAL 1" = 4'	5070
BOOK 237 PAGE 35	
PROJ. NO. P.S. 35	