

SEWER DISTRIBUTION - STORM SEWER REPAIR

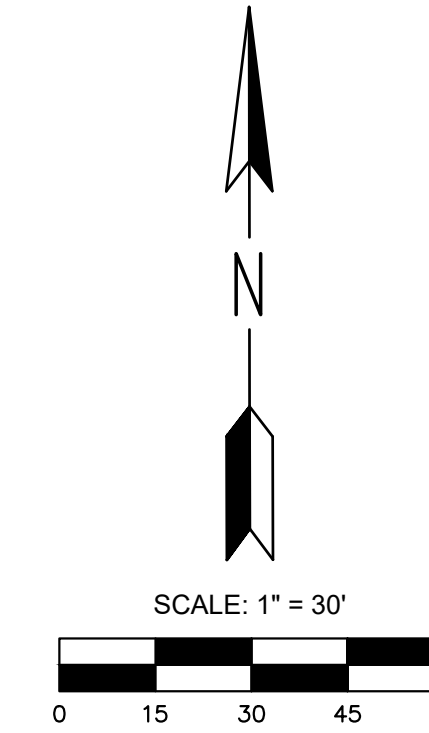
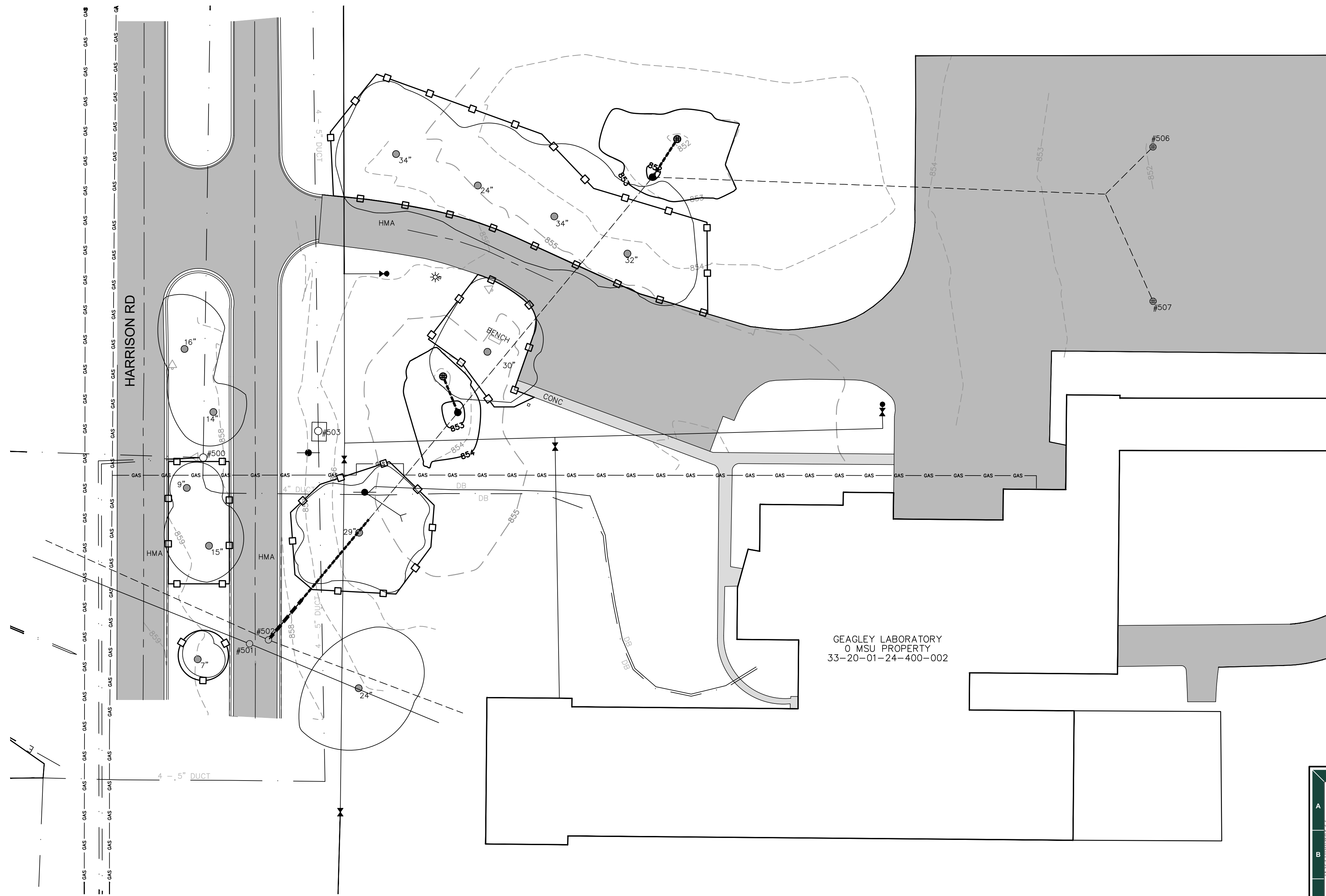
EngTM
Engineering & Surveying
www.engdot.com

4063 Grand Oak Drive Suite A109
Lansing, MI 48911
517.887.1100

16930 Robbins Road Suite 105
Grand Haven, MI 49417
616.743.7070

2311 East Beltline Avenue, Suite 201
Grand Rapids, MI 49546
616.743.9220

MICHIGAN STATE UNIVERSITY



BENCH MARK 1 ELEVATION: 857.80
SET BENCH TIE W SIDE UTILITY POLE E SIDE
HARRISON RD APPROX 96' S OF ϕ ENTRANCE
GEAGLEY LAB

BENCH MARK 2 ELEVATION: 856.09
FOUND RR SPIKE W SIDE UTILITY POLE E SIDE
HARRISON RD APPROX 108' S OF ϕ ENTRANCE
GEAGLEY LAB

MSU DATUM
HORIZONTAL: NAD83(86) U.S. SURVEY FOOT
VERTICAL: NGVD29 U.S. SURVEY FOOT

SURVEY CONDUCTED BY ENG., INC ON 05/30/2025

APPLICANT

MICHIGAN STATE UNIVERSITY,
EAST LANSING, MI
(517) 355-1855

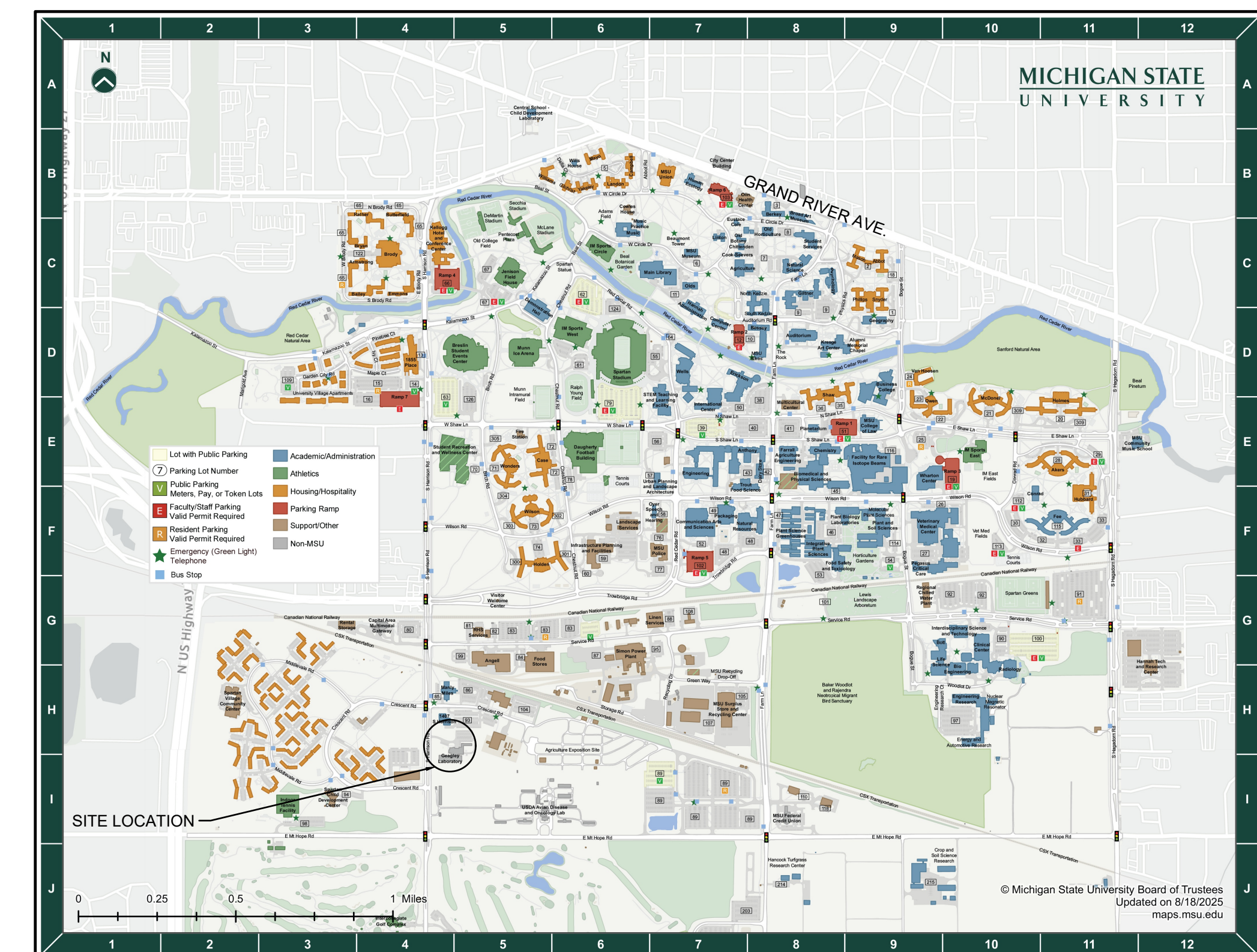
CIVIL ENGINEER

ENG., INC
16930 ROBBINS ROAD, SUITE 105
GRAND HAVEN, MI 49417
(616) 743-7070

SHEET LIST

- C100. COVER SHEET
- C101. TOPOGRAPHIC SURVEY
- C102. SESC PLAN
- C103. DEMOLITION PLAN
- C201. GRADING PLAN
- C301. UTILITY PLAN
- C401. DETAILS
- C501. MAINTENANCE OF TRAFFIC

GEAGLEY LABORATORY
0 MSU PROPERTY
33-20-01-24-400-002



Infrastructure
Planning and Facilities

MICHIGAN STATE
UNIVERSITY

SEWER DISTRIBUTION -
STORM SEWER REPAIR AT
GEAGLEY LAB

CAPITAL PROJ. NO.
CP25013

PR. MGR.	A. LINEBAUGH
ARCH.	NA
MECH.	NA
ELEC.	NA
CIVIL	T.OSMAN
L.A.	NA
INT. DES.	NA
CONST. REP.	NA
APPR.	NA
DATE	06/03/2026
SCALE	1" = 30'
REVISIONS	
ISSUED FOR BIDDING 06/03/2026	

C100

EXISTING STRUCTURES					
STRUCTURE	MSU	RIM ELEV.	INVERT	ELEVATION	NOTES
MH 500	497	858.14	N/A	N/A	COMM
MH 501	2032	857.95	8" SE	846.21	4' DIA SAN MH
			8" NW	846.14	
			12" NW	844.38	
MH 502	2030	857.93	8" NE	843.14	4' DIA STO MH
			12" SE	844.22	
MH 503	593	856.62	N//A	N/A	COMM VAULT
MH 504		852.61	15" SE	848.76	PIPE BLOCKED BY 6" RESTRICTOR
MH 505		851.81	15" SW	847.16	PIPE BLOCKED BY 6" RESTRICTOR
MH 506		851.93	6" SW	847.48	4' STO CB
MH 507		847.76	6" NW	847.76	4' STO CB

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HARRISON RD APPROX 96' S OF E ENTRANCE
GEAGLEY LAB

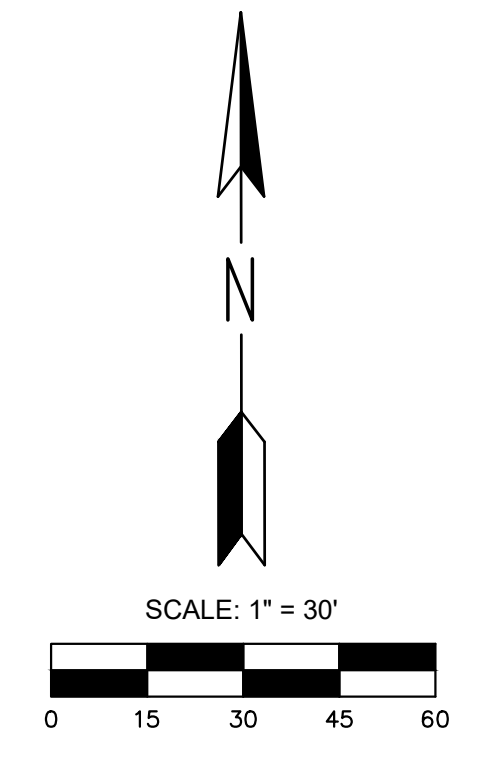
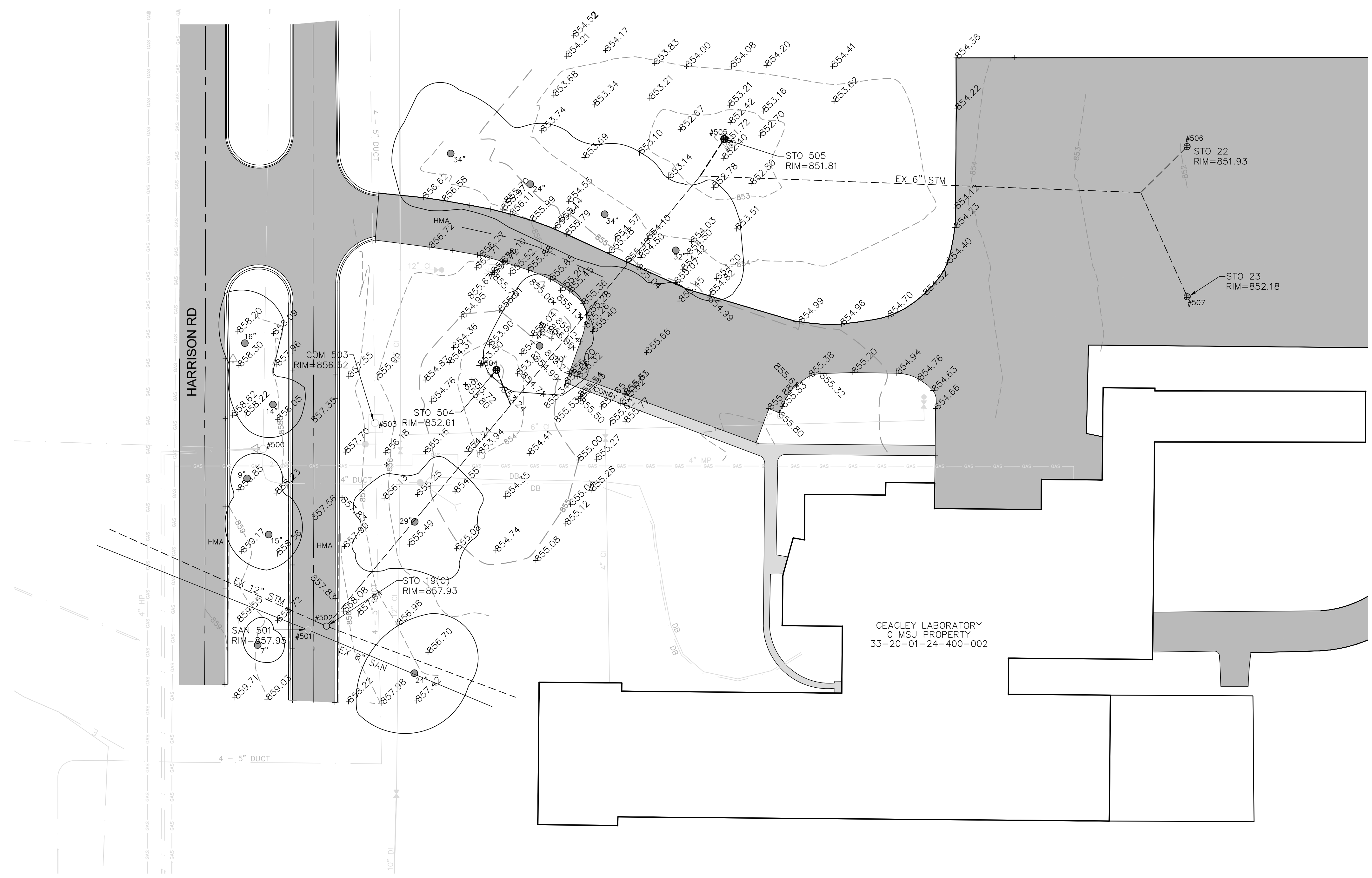
BENCH MARK 2 ELEVATION: 856.09
FOUND RR SPIKE W SIDE UTILITY POLE E SIDE
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GEAGLEY LAB

- LEGEND**
- - - = EDGE OF PAVEMENT
 - - - = EXISTING CONTOUR ELEVATION
 - - - = SHRUB LINE
 - ▲ = DECIDUOUS TREE TRUNK
 - = CONIFEROUS TREE TRUNK
 - = TREE DRIPLINE
 - = BUSH
 - - - = EXISTING GAS LINE
 - - - = EXISTING STORM SEWER
 - - - = EXISTING SANITARY SEWER
 - - - = EXISTING UNDERGROUND ELECTRIC
 - - - = EXISTING CABLE TV
 - - - = EXISTING FIBER OPTIC LINE
 - - - = EXISTING TELEPHONE
 - - - = EXISTING STEAM TUNNEL/LINE (PER MSU GIS)
 - - - = EXISTING STEAM VAULT (PER MSU GIS)
 - ◇ = EXISTING HYDRANT
 - = EXISTING WATER VALVE
 - = EXISTING SPRINKLER CONTROL BOX
 - △ = EXISTING SIGN
 - = EXISTING MANHOLE
 - = EXISTING UTILITY POLE
 - ⊙ = EXISTING ELECTRIC METER
 - * = EXISTING STREET/CONCOURSE LIGHT POLE
 - = EXISTING TELEPHONE / CABLE PEDESTAL
 - ▲ = BENCH MARK



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33-20-01-24-400-002

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TOPOGRAPHIC SURVEY AND
EXISTING UTILITIES

C101

BENCH MARK 1 ELEVATION: 857.80
SET BENCH TIE W SIDE UTILITY POLE E SIDE
HARRISON RD APPROX 96' S OF \bar{C} ENTRANCE
GEAGLEY LAB

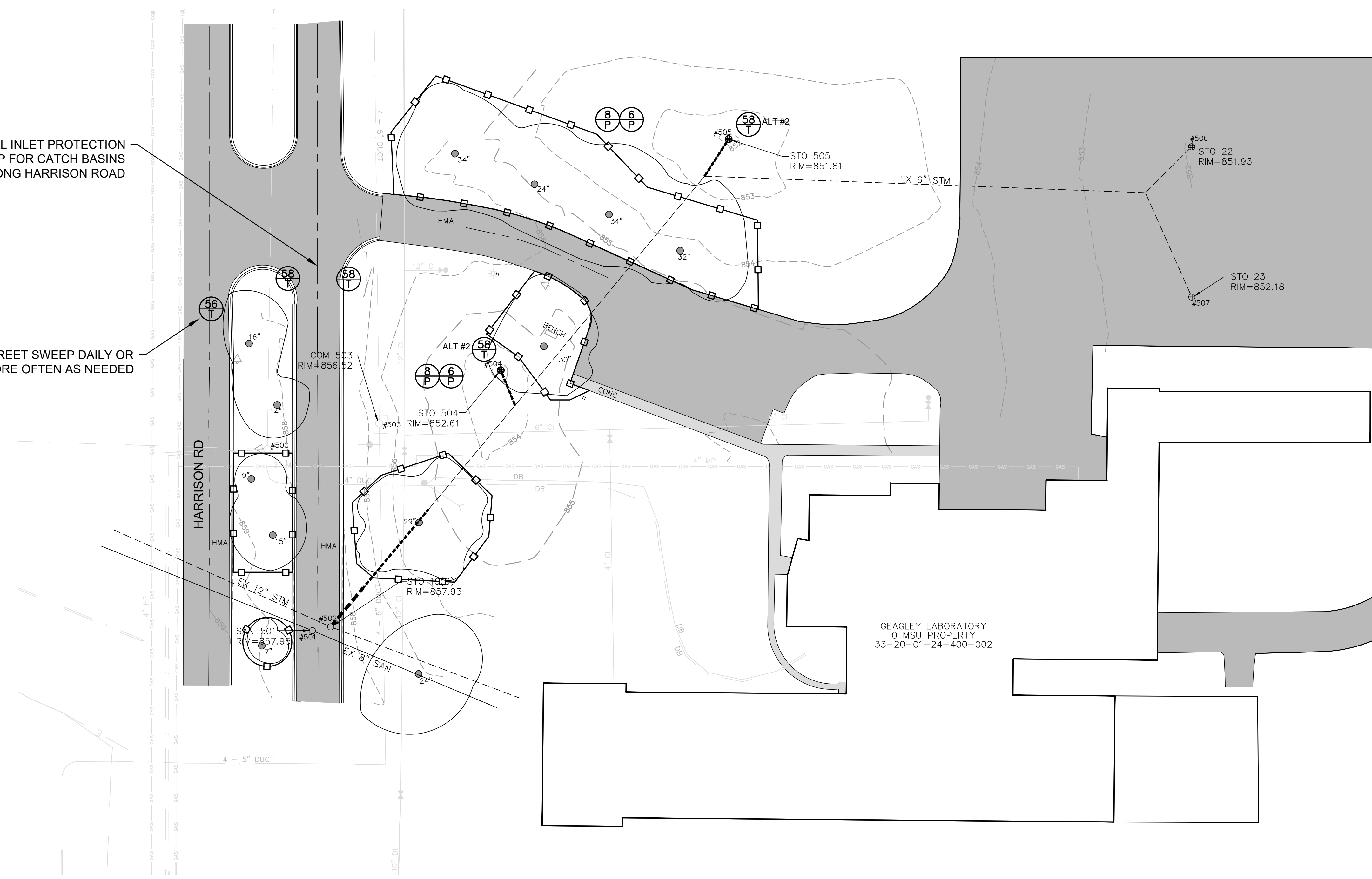
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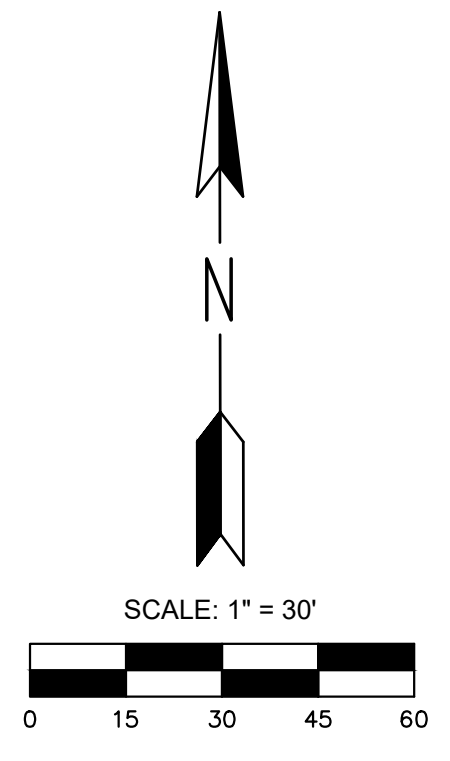
ADD ADDITIONAL INLET PROTECTION
FABRIC DROP FOR CATCH BASINS
ALONG HARRISON ROAD

STREET SWEEP DAILY OR
MORE OFTEN AS NEEDED



LEGEND

- = EDGE OF PAVEMENT
- - - 651' = EXISTING CONTOUR ELEVATION
- = SHRUB LINE
- ▲ = DECIDUOUS TREE TRUNK
- = CONIFEROUS TREE TRUNK
- = TREE DRIPLINE
- = BUSH
- GAS — = EXISTING GAS LINE
- - - = EXISTING STORM SEWER
- - - = EXISTING SANITARY SEWER
- - - = EXISTING UNDERGROUND ELECTRIC
- - - = EXISTING CABLE TV
- - - = EXISTING FIBER OPTIC LINE
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- ⊙ = EXISTING ELECTRIC METER
- * = EXISTING STREET/CONCOURSE LIGHT POLE
- = EXISTING TELEPHONE / CABLE PEDESTAL
- ⊕ = BENCH MARK
- □ — = TREE PROTECTION (BY OWNER)
- - - = EROSION EELS
- + — = CONSTRUCTION FENCE



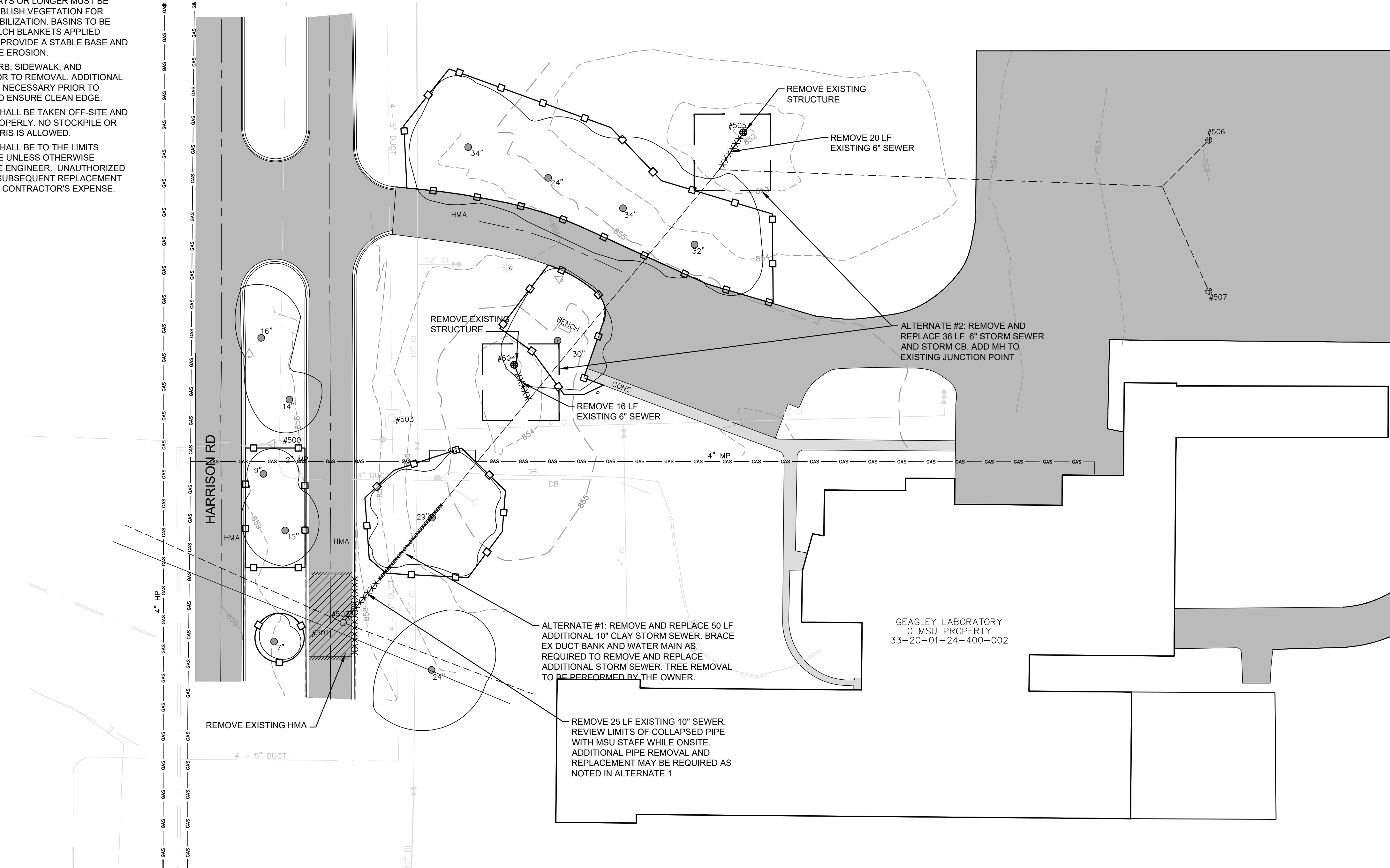
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DEMO NOTES

- ALL WORK SHALL CONFORM TO ALL LOCAL, STATE AND FEDERAL LAWS, RULES AND REGULATIONS IN FORCE AT TIME OF CONSTRUCTION.
- CONTACT "811" AT 1-800-482-7171 FOR LOCATION OF UNDERGROUND UTILITIES A MINIMUM OF 48 HOURS BEFORE COMMENCING EXCAVATION WORK. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO ARE NOT PART OF THE "811" ALERT SYSTEM. OPERATIONS SHALL BE CONDUCTED IN A MANNER AS TO ENSURE THAT THOSE UTILITIES NOT REQUIRING RELOCATION WILL NOT BE DISTURBED.
- DEMOLISH & REMOVE ALL EXISTING SITE FEATURES AS REQUIRED.
- ALL SOIL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO DEMOLITION.
- ALL EXCAVATION SHALL BE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS AND GEOTECHNICAL REPORT.
- ALL EXISTING ELEVATIONS ARE TO BE VERIFIED AND ACCEPTED AS SHOWN PRIOR TO COMMENCEMENT OF WORK.
- TAKE PRECAUTIONS TO AVOID TRACKING SOIL ONTO ADJACENT ROADWAYS. SWEEP IMMEDIATELY IF TRACKING OCCURS.
- ANY DISTURBED AREA WHICH WILL BE LEFT UNWORKED 15 DAYS OR LONGER MUST BE SEEDED TO ESTABLISH VEGETATION FOR TEMPORARY STABILIZATION. BASINS TO BE SEEDED AND MULCH BLANKETS APPLIED IMMEDIATELY TO PROVIDE A STABLE BASE AND AVOID EXCESSIVE EROSION.
- SAW CUT ALL CURB, SIDEWALK, AND PAVEMENTS PRIOR TO REMOVAL. ADDITIONAL SAW CUT MAY BE NECESSARY PRIOR TO REPLACEMENT TO ENSURE CLEAN EDGE.
- ALL REMOVALS SHALL BE TAKEN OFF-SITE AND DISPOSED OF PROPERLY. NO STOCKPILE OR BURNING OF DEBRIS IS ALLOWED.
- ALL REMOVALS SHALL BE TO THE LIMITS INDICATED ABOVE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. UNAUTHORIZED REMOVALS AND SUBSEQUENT REPLACEMENT SHALL BE AT THE CONTRACTOR'S EXPENSE.
- REMOVE, STORE, AND RESET ANY EXISTING SIGNS AS DIRECTED BY THE ENGINEER/OWNER.
- REMOVE ALL TREES TO THE CLEARING LIMITS AS SHOWN. REMOVE ALL EXISTING TREES, STUMPS AND BRUSH FROM THE SITE AS NECESSARY TO CONSTRUCT THE IMPROVEMENTS.
- BACKFILL EXCAVATED AREAS WITH CLEAN GRANULAR FILL COMPACTED TO 95% OF THE MATERIAL UNIT WEIGHT BY MODIFIED PROCTOR.
- CONTROL SHALL BE MAINTAINED OVER THE SITE AND OPERATION TO ELIMINATE HAZARDS TO THE PUBLIC. NAILS OR OTHER TIRE PUNCTURING ITEMS SHALL NOT BE DROPPED ON STREETS, ALLEYS AND ADJACENT PROPERTY. PUBLIC STREETS, CURBS AND SIDEWALKS SHALL BE PROTECTED FROM DAMAGE. THE PERSON ENGAGED IN THE DEMOLITION WORK SHALL BE LIABLE FOR ANY AND ALL DAMAGE TO CURBS, STREETS, SIDEWALKS AND OTHER PUBLIC OR PRIVATE PROPERTY AND FOR ANY BODILY INJURY OCCURRING AS A RESULT OF THE DEMOLITION WORK.
- CONTRACTOR SHALL TAKE CAUTION TO PROTECT EXISTING UTILITIES, LIGHT POLES AND STEAM TUNNELS.
- REMOVE BIKE LOOPS AND REPLACE-IN-KIND.
- CITY OF EAST LANSING ROAD PERMIT REQUIRED.



BENCH MARK 1 ELEVATION: 857.80
SET BENCH TIE W SIDE UTILITY POLE E SIDE
HARRISON RD APPROX 96' S OF ♻️ ENTRANCE
GEAGLEY LAB

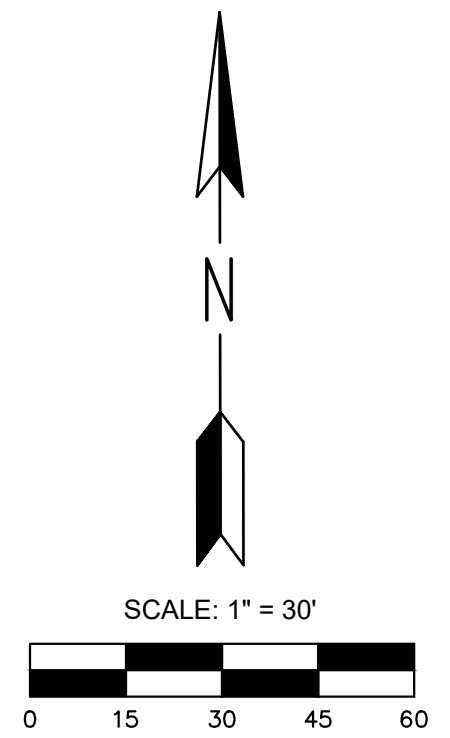
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- ~ ~ ~ = SHRUB LINE
- ▲ = DECIDUOUS TREE TRUNK
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- ⊛ = EXISTING STREET/CONCOURSE LIGHT POLE
- ⊞ = EXISTING TELEPHONE / CABLE PEDESTAL
- ▲ = BENCH MARK
- | — = TREE PROTECTION (BY OWNER)
- | — = CONSTRUCTION FENCE
- ▨ = REMOVE EXISTING SIDEWALK
- ▨ = REMOVE EXISTING BRICK PAVERS
- ▨ = REMOVE EXISTING PAVEMENT
- XXXXXXX = REMOVE EXISTING CURB
- /// = SAW CUT
- XXXXXXX = REMOVE EXISTING SEWER PIPE
- XXXXXXX = REMOVE EXISTING SEWER PIPE ALTERNATE
- ⊙ = REMOVE TREE
- ⊙ = REMOVE BUSH



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ELEC.	NA
CIVIL	T. OSMAN
L.A.	NA
INT. DES.	NA
CONST. REP.	NA
APPR.	NA
DATE	06/03/2026
SCALE	1" = 30'

REVISIONS
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DEMOLITION PLAN

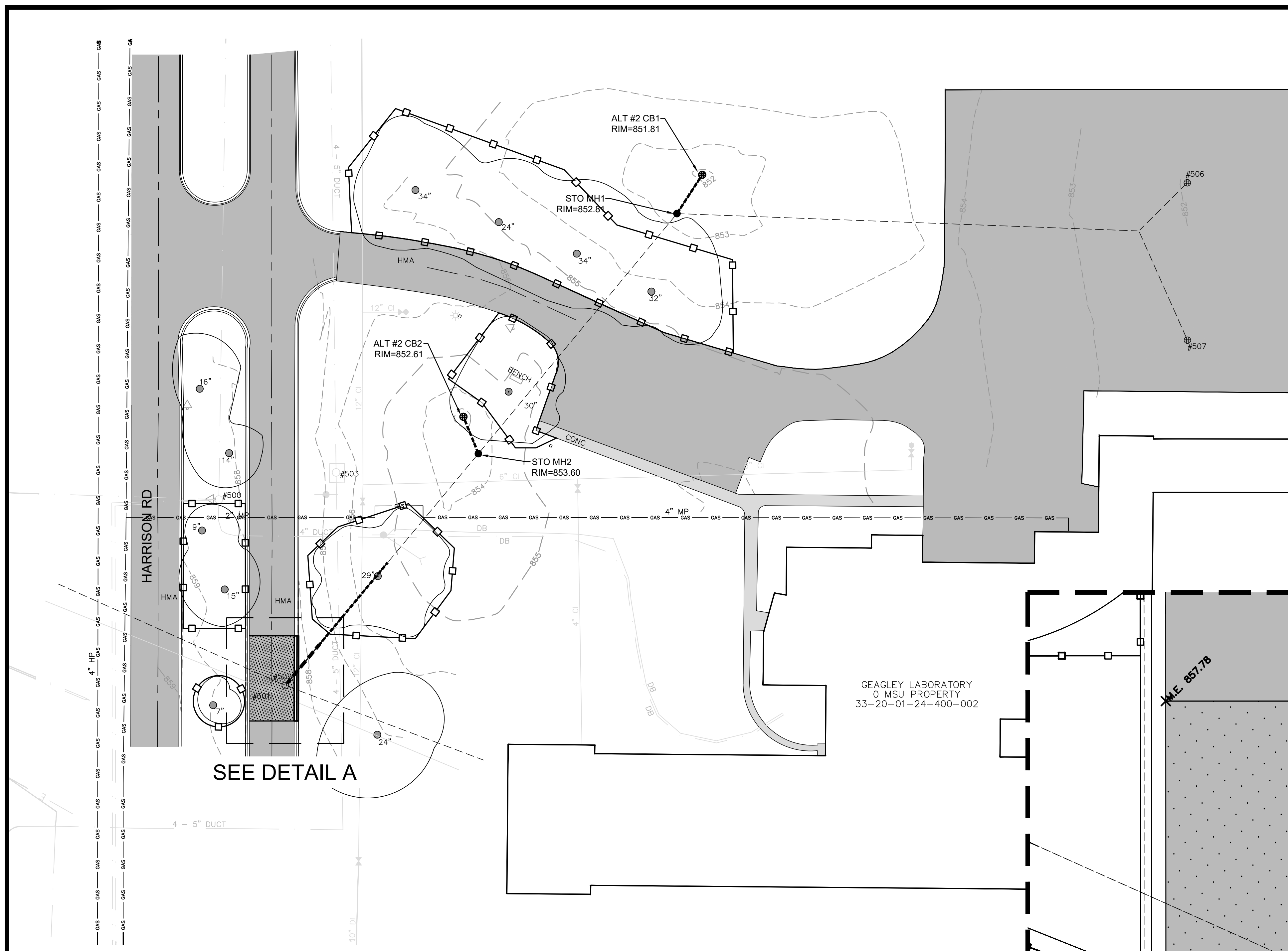
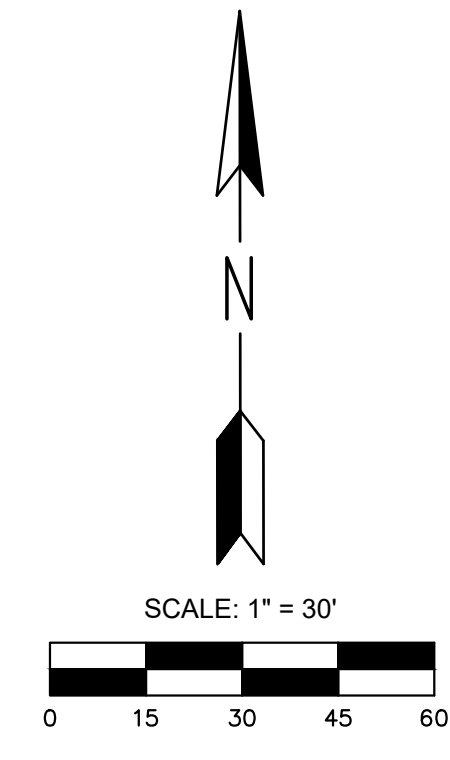
C103

BENCH MARK 1 ELEVATION: 857.80
SET BENCH TIE W SIDE UTILITY POLE E SIDE
HARRISON RD APPROX 96' S OF ♯ ENTRANCE
GEAGLEY LAB

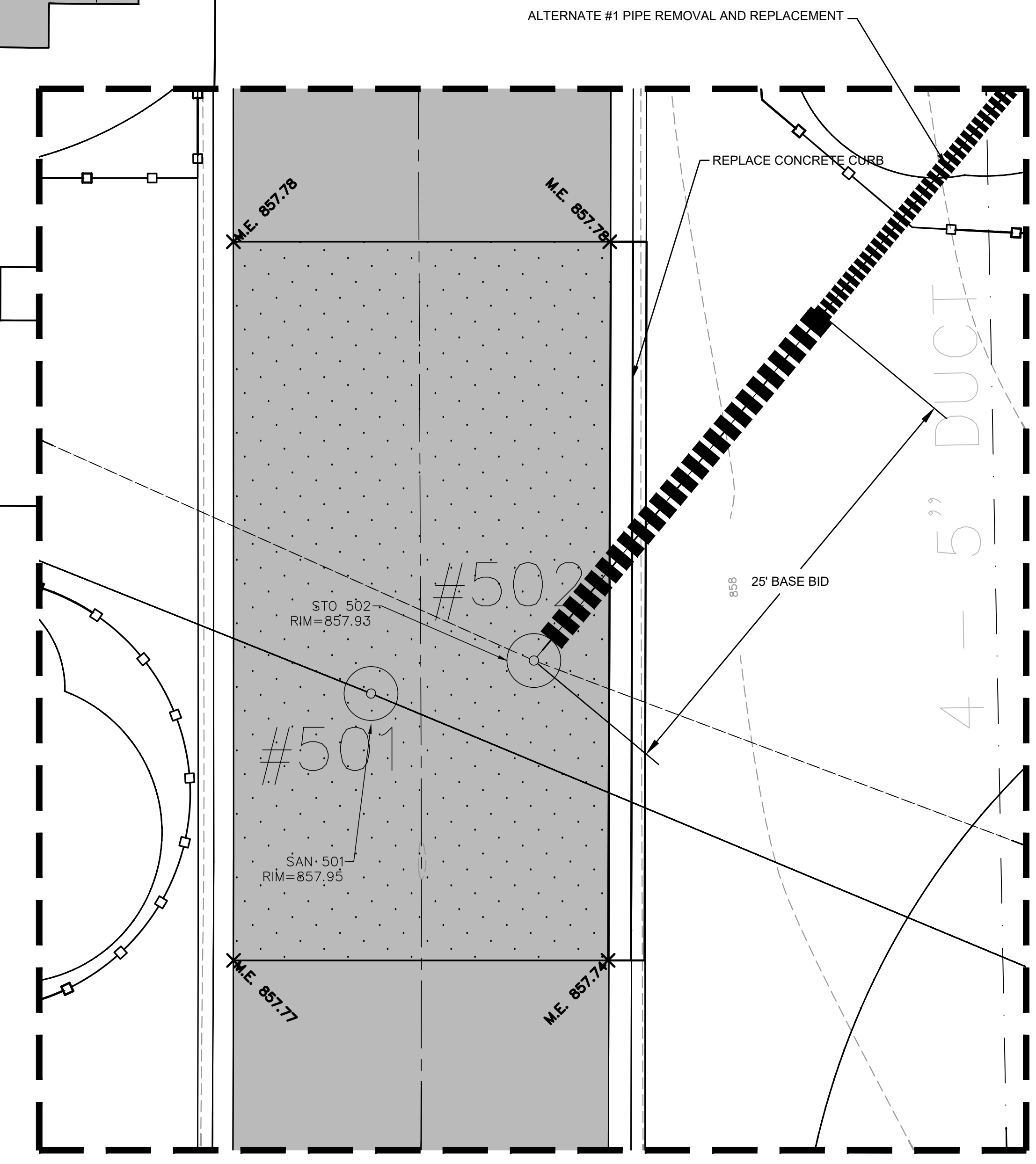
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- GRADING NOTES**
- EXISTING UTILITY LOCATIONS ARE APPROXIMATE AND NOT EXACT. CALL 811 OR 1-800-362-2764.
 - ALL EXISTING UTILITIES SHALL BE PROTECTED FROM EXCAVATION. EXISTING UTILITIES DAMAGED BY CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
 - FINISHED SURFACES TO BE SMOOTH AND EVEN WITH NO ABRUPT OR AWKWARD CHANGES IN GRADE.
 - ALL NEW SIDEWALKS AND PAVEMENTS SHALL BE PLACED AT AN ELEVATION THAT PROVIDES POSITIVE DRAINAGE AND CONSISTENT SLOPES. ENSURE NO LOW SPOTS ARE CREATED. NEW WALKS SHALL MEET EXISTING WALKS FLUSH AT EXISTING GRADE. NOTIFY ENGINEER IF GRADES ON PLAN CANNOT BE MET TO ENSURE POSITIVE DRAINAGE.
 - ALL PROPOSED GRADES SHALL BE STAKED BY A LICENSED SURVEYOR AND FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
 - MATCH ADJACENT PAVEMENT GRADES WHERE NEW PAVEMENT ABUTS EXISTING PAVING.
 - CITY OF EAST LANSING ROAD PERMIT REQUIRED



DETAIL A
SCALE: 1"=5'

LEGEND

- = EDGE OF PAVEMENT
- = EXISTING CONTOUR ELEVATION
- = SHRUB LINE
- = DECIDUOUS TREE TRUNK
- = CONIFEROUS TREE TRUNK
- = TREE DRIFLINE
- = BUSH
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- = PROPOSED STORM SEWER ALTERNATE
- = TREE PROTECTION (BY OWNER)
- = CONSTRUCTION FENCE
- = PROPOSED HMA

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SITE LAYOUT AND GRADING

C201

UTILITY NOTES

1. CONTRACTOR TO SUPPORT ALL DUCT BANKS AND EXISTING UTILITY CROSSINGS FOR ALTERNATE #1
2. LIMIT TRENCH WIDTH BY USE OF TRENCH BOX OR OTHER MEANS

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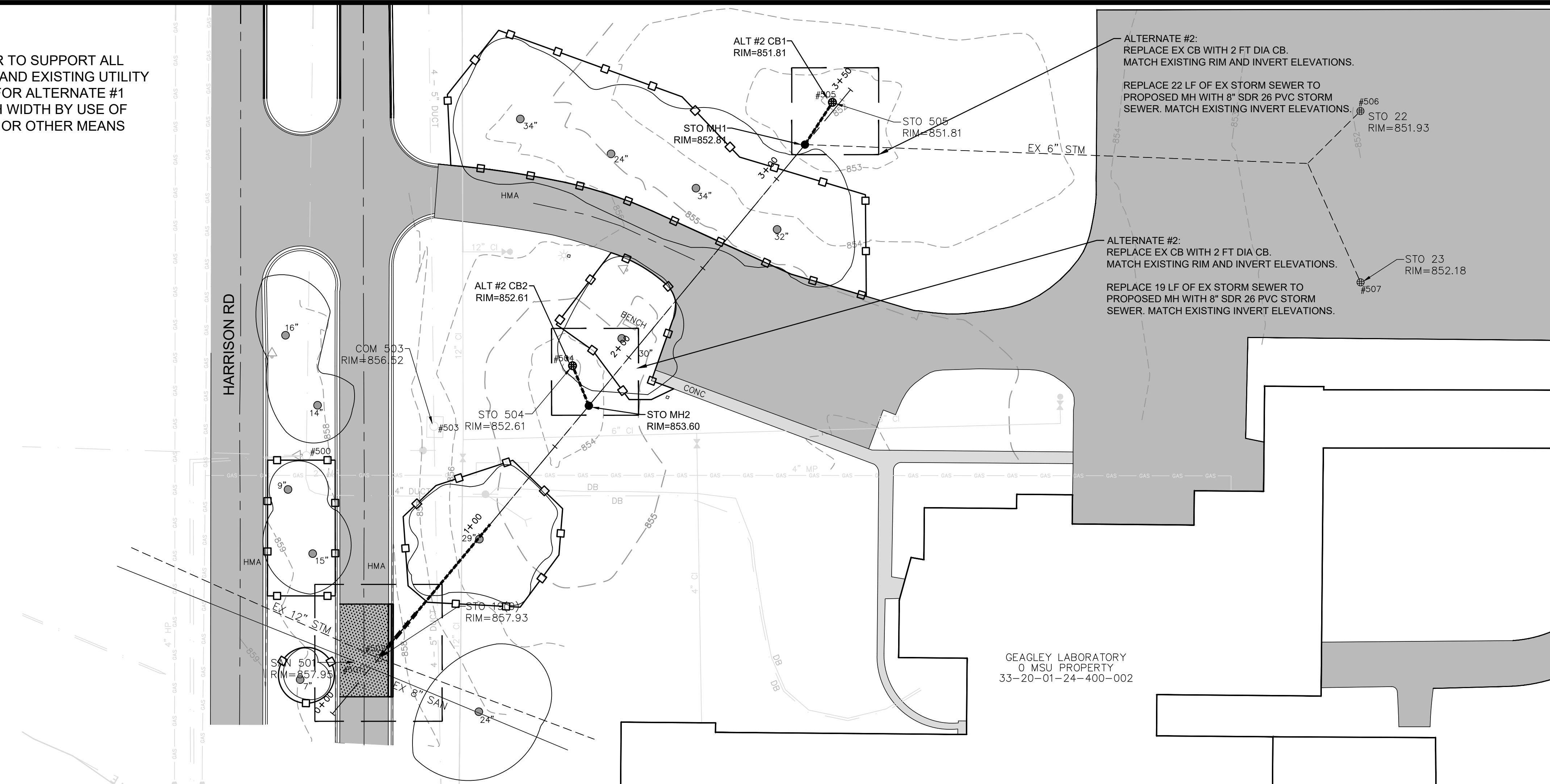
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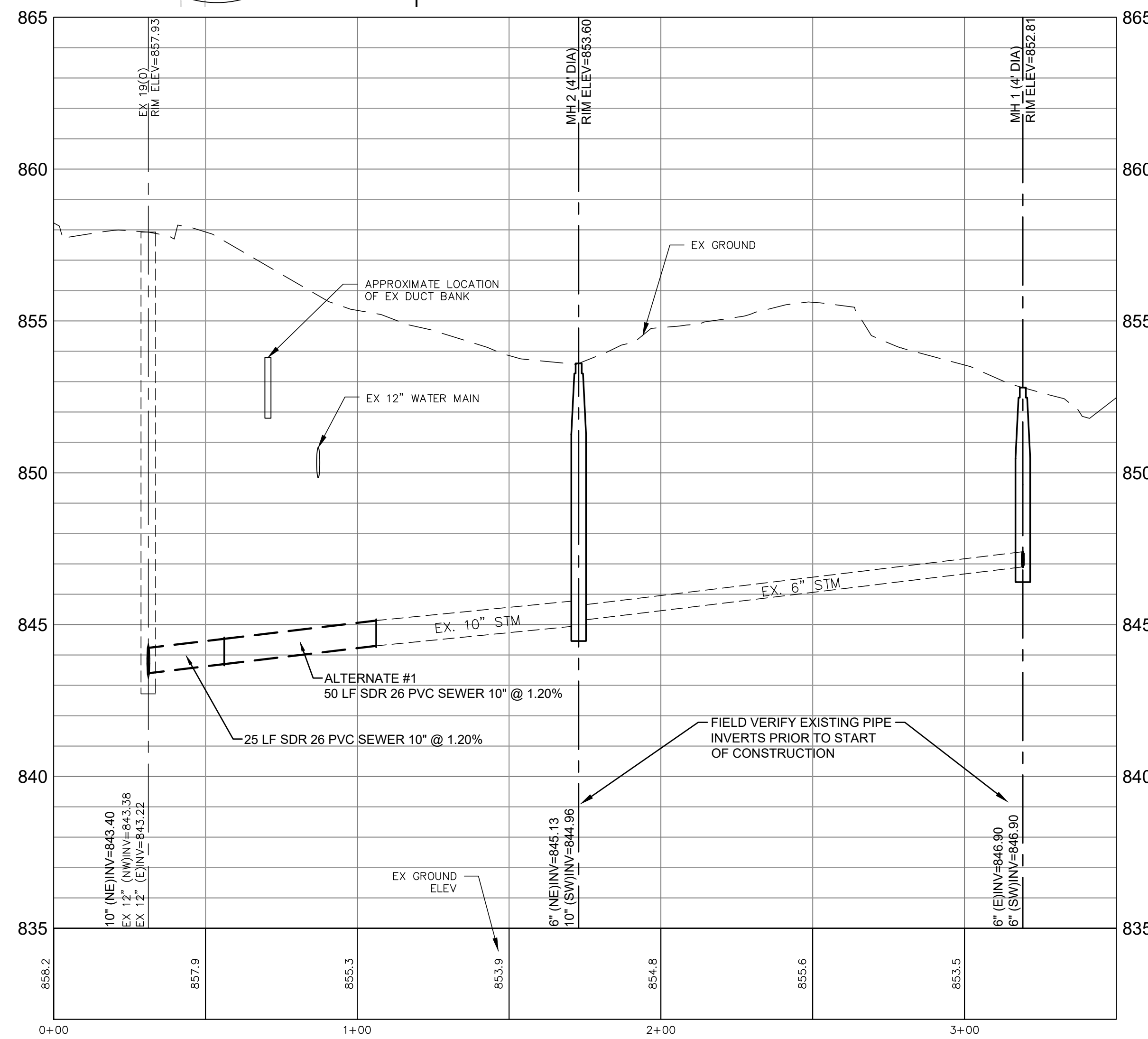
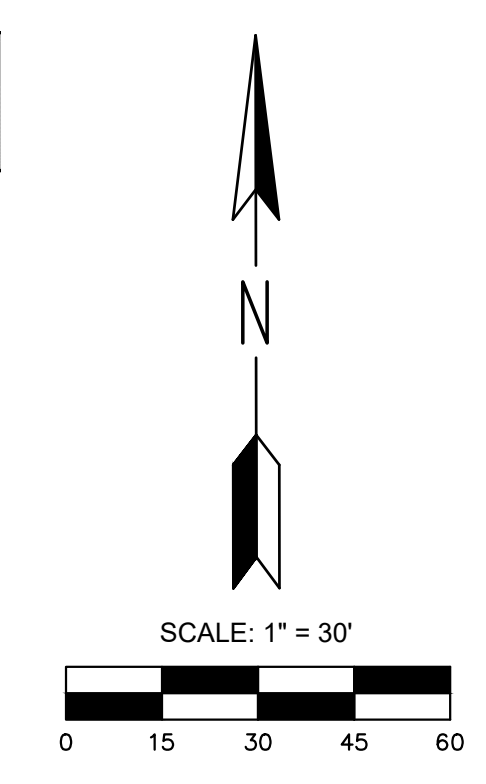
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LEGEND

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SITE LAYOUT AND
UTILITY PLAN

C301

SOIL EROSION CONTROL NOTES

- THE CONTRACTOR SHALL COMPLY WITH ALL CONTRACT DOCUMENTS, APPROVED SOIL EROSION AND SEDIMENTATION CONTROL (S.E.S.C.) PLANS, PERMIT CONDITIONS AND WITH PARTS 31 AND 51 OF PUBLIC ACT 457 OF 1994. THE OWNER SHALL OBTAIN A (S.E.S.C.) PERMIT FROM THE APPROPRIATE MUNICIPAL ENFORCING AGENCY (M.E.A.) OR COUNTY ENFORCING AGENCY (C.E.A.). PERMIT FEES AND ROUTINE INSPECTIONS CHARGED BY THE M.E.A./C.E.A. WILL BE PAID FOR BY THE OWNER.
- PRIOR TO BEGINNING ANY EARTH CHANGE, THE CONTRACTOR SHALL RETAIN A M.D.E.Q. CERTIFIED STORM WATER OPERATOR (C.S.W.O.) TO PROVIDE THE REQUIRED S.E.S.C. REPORTS (WHICH INCLUDE THE WEEKLY AND STORM EVENT REPORTS AS WELL AS ALL FOLLOW UP REPORTS FOR BOTH VIOLATIONS AND STORM EVENT CORRECTIONS) ON THE STANDARD M.D.N.R.E. FORM. THE CONTRACTOR SHALL PROVIDE THE REPORTS TO THE OWNER ON A WEEKLY BASIS, AND RETAIN THOSE REPORTS FOR THREE YEARS.
- PRIOR TO BEGINNING ANY EARTH CHANGE, THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL S.E.S.C. MEASURES AS SHOWN ON THE CONTRACT DOCUMENTS AND AS DIRECTED BY THE OWNER, C.S.W.O., M.E.A./C.E.A. OR M.D.E.Q. AT ANYTIME DURING THE LIFE OF THE CONTRACT OR UNTIL M.S.U. OFFICIALLY TAKES OVER RESPONSIBILITY FOR THE SITE. IMMEDIATELY PRIOR TO M.S.U. TAKING RESPONSIBILITY FOR THE SITE, THE CONTRACTOR WILL BE REQUIRED TO CLEAN ALL CATCH BASINS AFFECTED BY THE CONSTRUCTION, BOTH WITHIN THE CONTRACT LIMITS AND ALL SURROUNDING ROADS AND LAWN AREAS WHERE SOIL MAY HAVE SPREAD AS A RESULT OF CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR SHALL CONDUCT ALL EXCAVATION, FILLING, GRADING, AND CLEAN UP OPERATIONS IN A MANNER SUCH THAT SEDIMENT, GENERATED BY WIND OR WATER IS NOT DISCHARGED INTO ANY STORM SEWER, DRAINAGE DITCH, RIVER, LAKE, AIR, OR UNDERGROUND UTILITY SYSTEM. STAGE WORK TO MINIMIZE THE AREA OF EXPOSED SOIL, THEREBY REDUCING THE OPPORTUNITY FOR SOIL EROSION.
- WATER FROM TRENCHES AND OTHER EXCAVATION SHALL BE PUMPED INTO A FILTRATION BAG TO REMOVE SEDIMENTS FROM THE WATER.
- IF SEDIMENT EXTENDS BEYOND THE PROJECT LIMITS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP AND RESTORATION OF ALL SURFACES AND UTILITY SYSTEMS TO THE CONDITION THAT EXISTED PRIOR TO THE CONTRACT AWARD.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL S.E.S.C. MEASURES ON A DAILY BASIS.
- SHOULD VIOLATIONS BE IDENTIFIED BY THE OWNER, C.S.W.O., M.E.A./C.E.A. OR M.D.E.Q., THEY SHALL BE CORRECTED WITHIN 24 HOURS OF NOTICE. THE CORRECTION(S) SHALL BE APPROVED BY THE OWNER, C.S.W.O., M.E.A./C.E.A. OR M.D.E.Q. ALL SUBSEQUENT INSPECTIONS PERFORMED BY THE OWNER, C.S.W.O., M.E.A./C.E.A. OR M.D.E.Q. AS A RESULT OF THE VIOLATION (AND ANY OTHER ASSOCIATED COSTS) WILL BE PAID FOR BY THE CONTRACTOR. IF IDENTIFIED VIOLATIONS ARE NOT CORRECTED WITHIN 24 HOURS OF WRITTEN NOTICE, THE OWNER WILL MAKE THE REQUIRED REPAIRS WITHOUT FURTHER NOTIFICATION, AT THE CONTRACTOR'S EXPENSE.
- FINES ASSESSED AS A RESULT OF THE VIOLATION FOR NON-COMPLIANCE OF THE S.E.S.C. PROVISIONS WILL BE PAID BY THE CONTRACTOR. SHOULD A "STOP WORK" ORDER FOR NON-COMPLIANCE BE ISSUED, A TIME EXTENSION REQUEST FOR THAT PERIOD WILL NOT BE GRANTED. (FINES COULD BE ASSESSED UP TO AND INCLUDING \$25,000 PER DAY FOR EACH VIOLATION).
- SUBJECT SITE IS NOT WITHIN 500 FEET OF A STREAM OR RIVER.
- SOIL TYPE: URBANIZED SOILS.
- ALL DISTURBED AREAS SHALL RECEIVE PERMANENT EROSION CONTROL MEASURES WITHIN 5 DAYS OF FINAL GRADING.
- SHOULD VIOLATIONS BE IDENTIFIED BY THE OWNER, C.S.W.O., M.E.A./C.E.A. OR D.E.Q., THEY SHALL BE CORRECTED WITHIN 24 HOURS OF NOTIFICATION. THE CORRECTION(S) SHALL BE APPROVED BY THE OWNER, C.S.W.O., M.E.A./C.E.A. OR D.E.Q. ALL SUBSEQUENT INSPECTIONS PERFORMED BY THE OWNER, C.S.W.O., M.E.A./C.E.A. OR D.E.Q. AS A RESULT OF THE VIOLATION (AND ANY OTHER ASSOCIATED COSTS) WILL BE PAID BY THE CONTRACTOR. IF IDENTIFIED VIOLATIONS ARE NOT CORRECTED WITHIN 24 HOURS OF WRITTEN NOTICE, THE OWNER WILL MAKE THE REQUIRED REPAIRS WITHOUT FURTHER NOTIFICATION, AT THE CONTRACTOR'S EXPENSE.
- APPROXIMATE QUANTITIES OF EXCAVATION A FILL:
 - APPROXIMATE TOTAL EXCAVATION 700 CYD
 - TOTAL FILL 688 CYD
 - NOTE: CONTRACTOR SHALL DETERMINE THEIR OWN QUANTITIES OF EXCAVATED MATERIAL & SEQUENCE EVENTS. ABOVE QUANTITIES ARE FOR PERMIT APPLICATION PURPOSES ONLY
- CONSTRUCTION ACCESS ROAD WILL BE PROTECTED WITH CRUSHED STONE OR CONCRETE, AGGREGATE SIZE 1"-2" OR ASPHALT AS NOTED ON PLAN.
- PROJECT SITE BOUNDARY OF DISTRIBUTION PROJECT -- 0.5 ACRES.
- COST OF PERMIT -- TOTAL ACRES OF PROJECT = 0.5 ACRES.
- THERE ARE NO WETLANDS ON OR IMMEDIATELY ADJACENT TO THE PROJECT SITE.
- STRIP ALL TOPSOIL WITHIN THE LIMITS OF WORK AS INDICATED ON DEMOLITION PLAN. HAUL OFFSITE TO THE DESIGNATED SITE (E.G. BEAUMONT NURSERY). IF NOT IN USE, OWNER SHALL PROTECT ANY STOCKPILES AT THE DISPOSAL SITE WITH SILT FENCE, TEMP SEEDING OR SIMILAR TO PREVENT EROSION.
- A WATER TRUCK SHALL BE AVAILABLE TO WATER DOWN SITE AS REQUIRED TO MAINTAIN DUST CONTROL.
- DIRT OR MUD TRACKED ONTO CONCRETE OR PAVED AREAS SHALL BE PROMPTLY REMOVED AND SURFACE CLEANED.
- STORM WATER FROM THE SITE SHALL NOT ADVERSELY IMPACT ADJACENT PROPERTIES DURING CONSTRUCTION. FINAL TOPOGRAPHY OF THE SITE SHALL ALSO NOT HAVE ANY ADVERSE EFFECTS ON ADJOINING LANDS. NOTE: ALL ADJACENT LANDS TO THE SITE ARE OWNED BY MICHIGAN STATE UNIVERSITY.

CONSTRUCTION SEQUENCE SCHEDULE (2026)

Sequence of Construction Activities	June	July	Aug
Install Temporary SESC Measures:			
A. Stabilized Construction Access	██		
B. Silt Fence	██		
C. Catch Basin Protection	██		
D. Dust Control	██		
E. Catch Basin	██		
F. Storm Drain Inlet Protection	██		
Maintain Temporary SESC Measures:			
Utility Installation	██	██	██
Pavement Construction		██	██
Remove Temporary SESC Measures		██	██
Permanent SESC Measures		██	██

WORK TO BE COMPLETED BY
AUGUST 21, 2026

SITE DESCRIPTION:

PART OF PARCEL
33-20-01-24-400-002 MICHIGAN STATE
UNIVERSITY, EAST LANSING 48824

MORE PARTICULARLY DESCRIBED AS
THE GEAGLEY LAB BUILDING

4063 Grand Oak Drive Suite A109
Lansing, MI 48911
517.887.1100

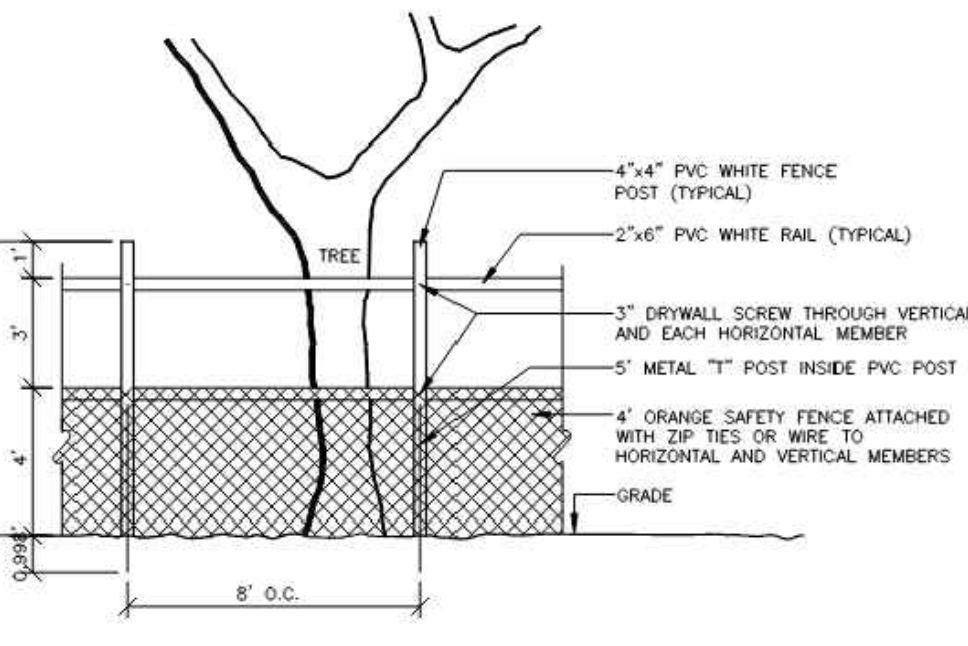
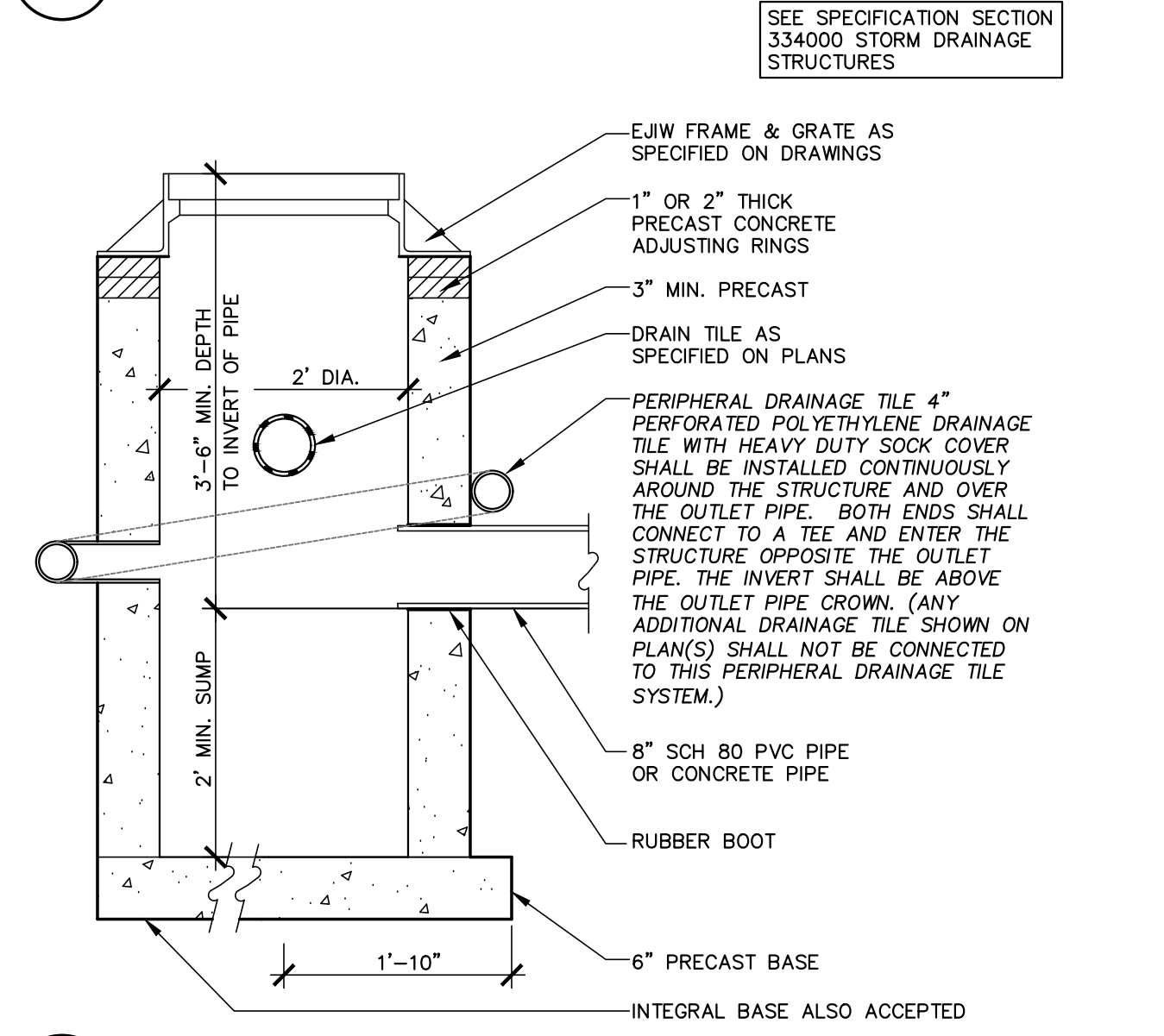
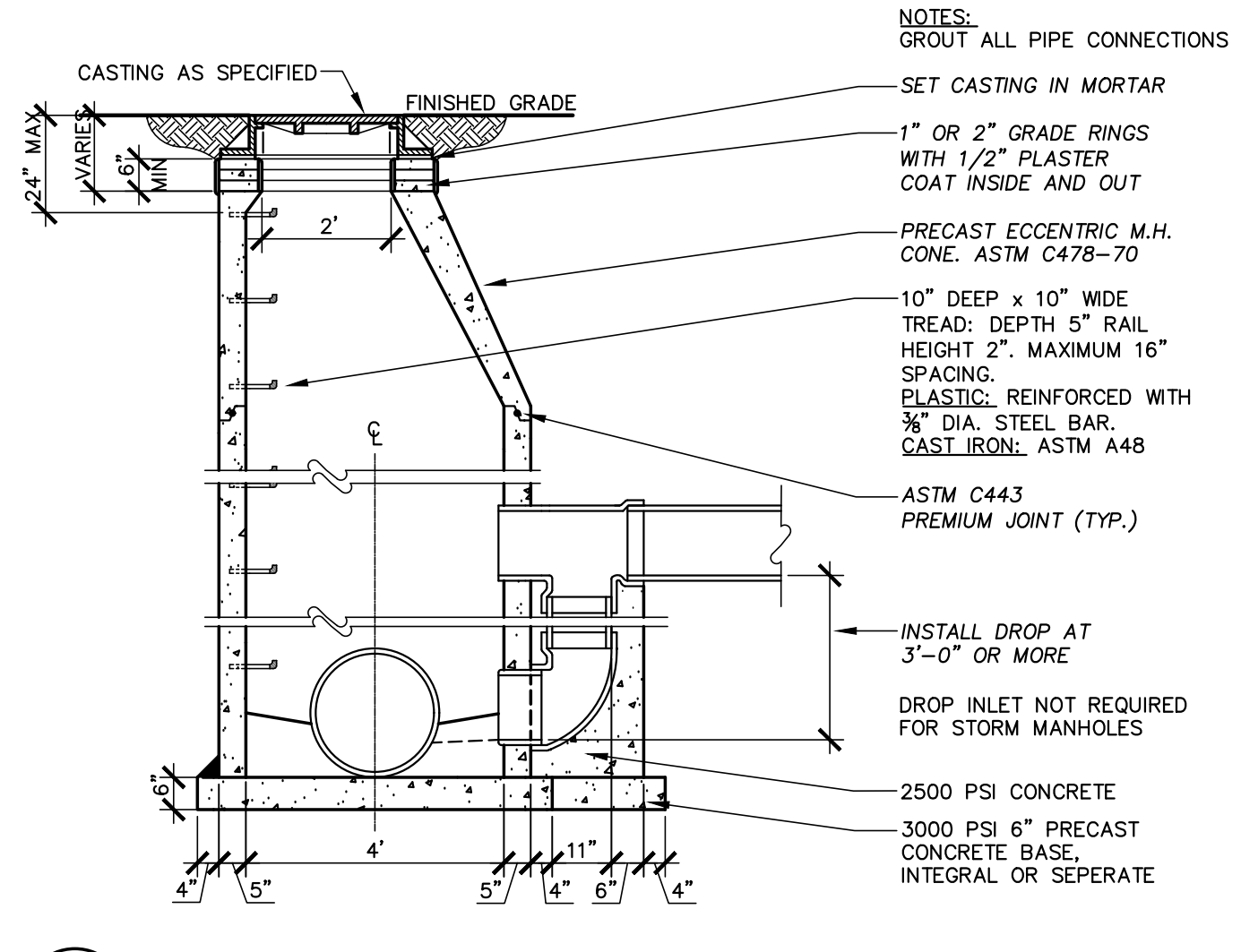
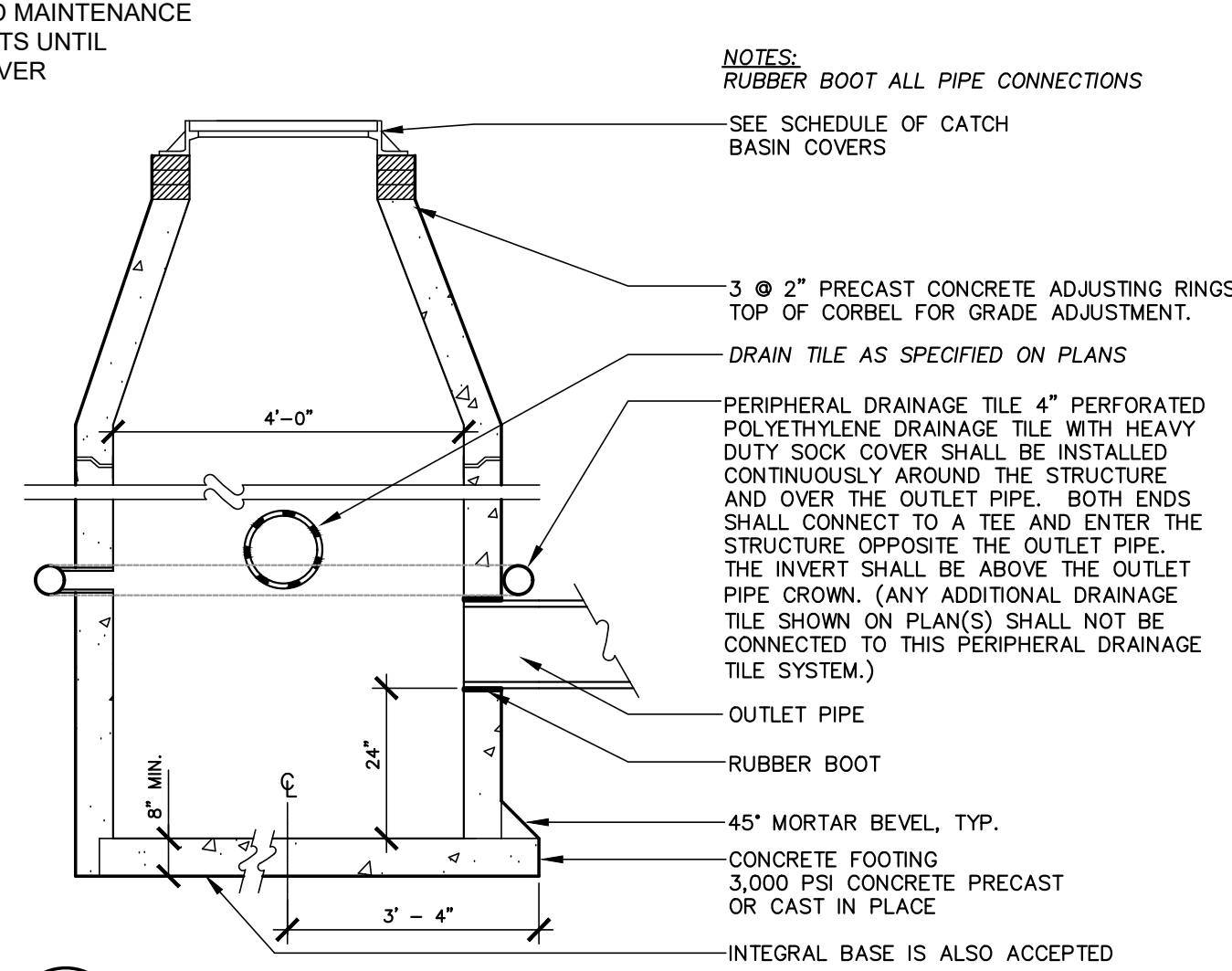
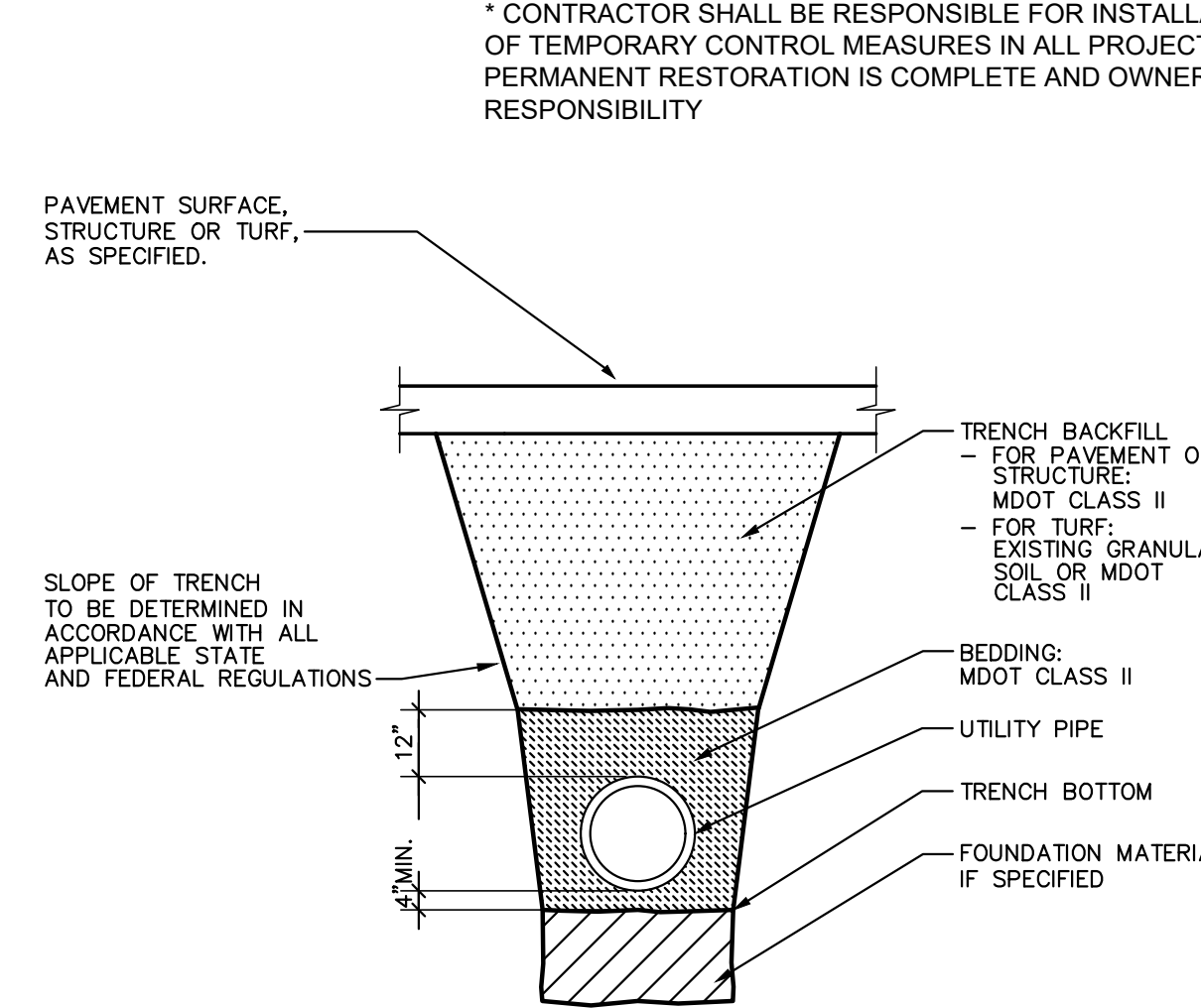
16930 Robbins Road Suite 105
Grand Haven, MI 49427
616.743.7070

2311 East Beltline Avenue, Suite 201
Grand Rapids, MI 49546
616.743.9220

Infrastructure
Planning and Facilities

MICHIGAN STATE
UNIVERSITY

SEWER DISTRIBUTION -
STORM SEWER REPAIR AT
GEAGLEY LAB



T55 FLEXSTORM CATCH-IT INLET FILTERS
PRODUCT SELECTION AND SPECIFICATION DRAWING
(SEE PAGE 2 OF 2 FOR SIZING SELECTION)

NOTES:

- ALL FRAMING IS CONSTRUCTED OF CORROSION RESISTANT STEEL (ZINC PLATED OR GALVANIZED) FOR 7 YEAR MINIMUM SERVICE LIFE.
- UPON ORDERING CONFIRMATION OF THE DOT CALLOUT, PRECAST OR CASTING MAKE AND MODEL OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED TO CONFIGURE AND ASSEMBLE YOUR CUSTOMIZED FLEXSTORM INLET FILTER. PART NUMBER ALONE IS NOT SUFFICIENT.
- FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT: WWW.INLETFILTERS.COM

ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC. A DIVISION OF ADS, INC.
WWW.INLETFILTERS.COM (866) 287-8655 PH (630) 355-3477
FX INFO@INLETFILTERS.COM

SIZE	INLET & PIPE PROTECTION, INC. DWG NO.:	REV
C	FLEXSTORM_CATCH_IT	A

FLEXSTORM CATCH-IT INLET FILTERS
PRODUCT SELECTION AND SPECIFICATION DRAWING
(SEE PAGE 1 OF 2 FOR DETAIL DRAWINGS)

1. IDENTIFY YOUR FRAME STYLE AND SIZE

STYLE	FRAME STYLE AND SIZE	Frame P/N:
ROUND	Small Round (up to 20" dia grates (A) dim)	62SRD
	Med Round (20.1" - 26.7" dia grates (A) up to 25" dia openings (B))	62MRD
	Large Round (26.8" - 32.0" dia grates (A) up to 30" openings (B))	62LRD
	XL Round (32.1" dia - 39" dia grates (A) up to 37" dia openings (B))	62XLRD
RECT. SQUARE	Small Rect / Square (up to 16" (B) x 16" (D) openings or 64" perimeter)	62SQS
	Med Rect / Square (up to 24" (B) x 24" (D) openings or 96" perimeter)	62MSQ
	Large Rect / Square (up to 36" (B) x 36" (D) openings or 144" perimeter)	62LSQ
	XL Rect / Square (side by side 2 pc set to fit up to 48" (B) x 36" (D) openings)	62XLISQ
COMBO	Small Rect / Square (ref Rect sizing; shipped with Magnetic Curb Flaps)	62SCB
	Med Rect / Square (ref Rect sizing; shipped with Magnetic Curb Flaps)	62MSCB
	Large Rect / Square (ref Rect sizing; shipped with Magnetic Curb Flaps)	62LSCB
	XL Rect / Square (ref Rect sizing; shipped with Magnetic Curb Flaps)	62XLSCB
NYLOPLAST	12" diameter Nyloplast castings (Stainless Steel Framing standard)	6212NY
	15" diameter Nyloplast castings (Stainless Steel Framing standard)	6215NY
	18" diameter Nyloplast castings (Stainless Steel Framing standard)	6218NY
	24" diameter Nyloplast castings (Stainless Steel Framing standard)	6224NY
	30" diameter Nyloplast castings (Stainless Steel Framing standard)	6230NY

2. SELECT YOUR BAG PART NUMBER

FLEXSTORM FILTER BAGS	(12" depth)	(12" depth)	Clean Water Flow Rate (GPM/Depth)	Min A.O.S. (ft. Sewer)
FX Standard Woven Bag	FX	FX-S	200	40
IL IDOT Non-Woven Bag	IL	IL-S	145	70

3. CREATE YOUR FLEXSTORM INLET FILTER PART NUMBER

SPECIFICATIONS FOR STANDARD BAGS BY NOMINAL SIZE	
Nominal Bag Size	Filtered Flow Rate at 50% Max (CFPS)
Small	1.6
Medium	2.1
Large	3.8
XL	4.2

INSTALLATION NOTES:

- REMOVE GRATE
- DROP FLEXSTORM INLET FILTER ON TO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
- REPLACE GRATE

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WWW.INLETFILTERS.COM (866) 287-8655 PH (630) 355-3477
FX INFO@INLETFILTERS.COM

SIZE	INLET & PIPE PROTECTION, INC. DWG NO.:	REV
C	FLEXSTORM_CATCH_IT	A

CITY OF EAST LANSING
DEPARTMENT OF ENGINEERING
410 ABBOT ROAD
EAST LANSING, MI 48823
(517) 337-9459 FAX: (517) 337-3943

STANDARD DETAILS
SHEET NAME: FLEXSTORM CATCH-IT INLET FILTERS
DATE: 03/01/16

DATE	DATE	DATE	DATE
02/20/14	03/14/14	03/14/14	03/14/14

REVISION: NONE
SCALE: 1 OF 2

CITY OF EAST LANSING
DEPARTMENT OF ENGINEERING
410 ABBOT ROAD
EAST LANSING, MI 48823
(517) 337-9459 FAX: (517) 337-3943

STANDARD DETAILS
SHEET NAME: FLEXSTORM CATCH-IT INLET FILTERS
DATE: 03/01/16

DATE	DATE	DATE	DATE
02/20/14	03/14/14	03/14/14	03/14/14

REVISION: NONE
SCALE: 2 OF 2

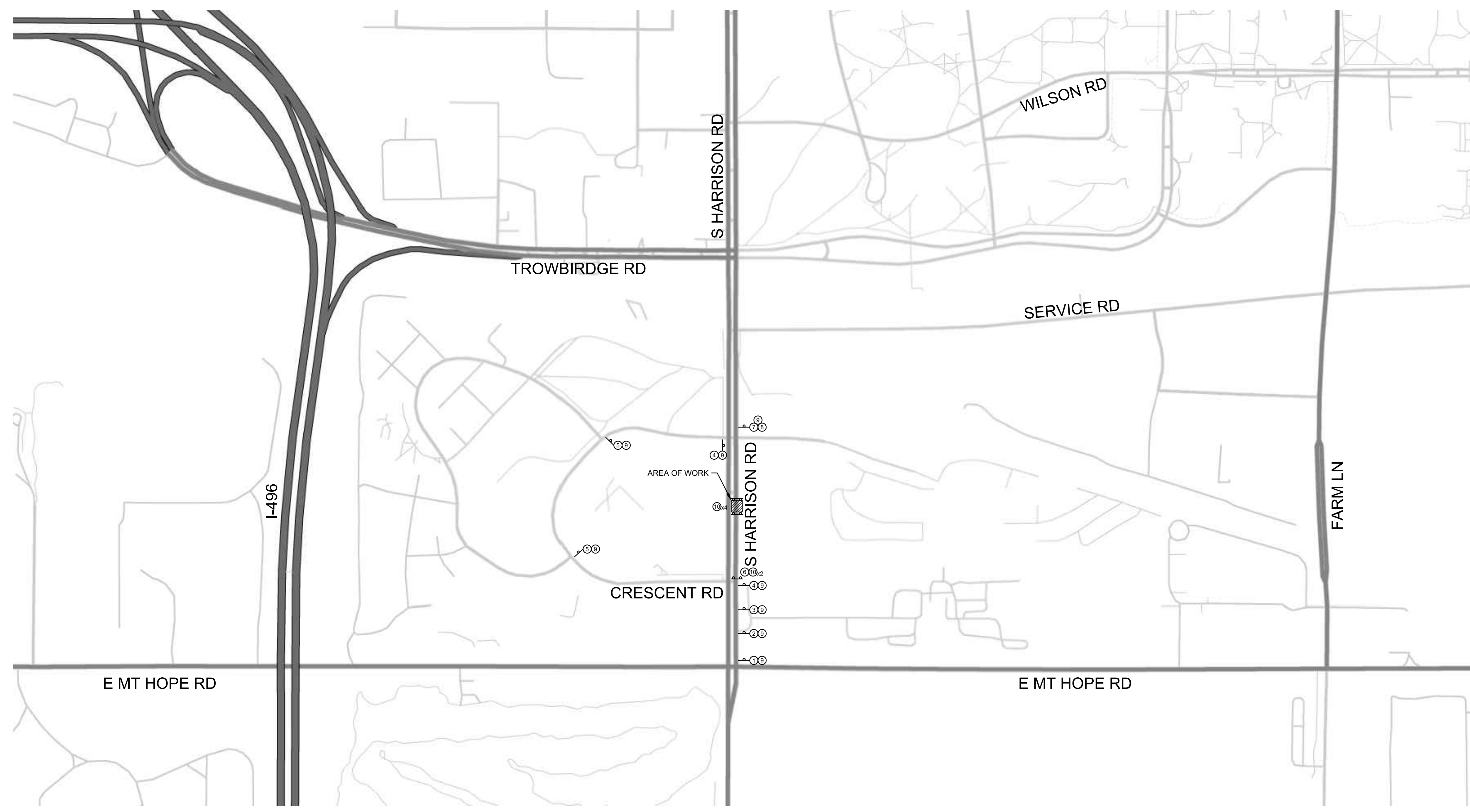
CAPITAL PROJ. NO.
CP25013

PR. MGR.	A. LINEBAUGH
ARCH.	NA
MECH.	NA
ELEC.	NA
CIVIL	T.OSMAN
L.A.	NA
INT. DES.	NA
CONST. REP.	NA
APPR.	NA
DATE	06/03/2026
SCALE	1" = 30"
REVISIONS	
ISSUED FOR BIDDING	06/03/2026

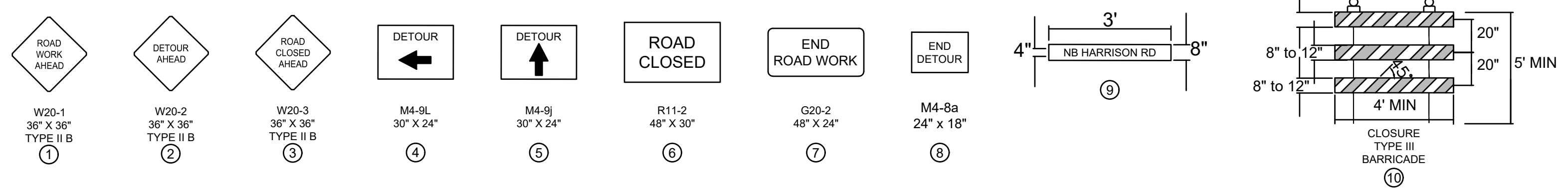
DETAILS

C401

7 of 8



**SEWER DISTRIBUTION -
 STORM SEWER REPAIR AT
 GEAGLEY LAB**



CAPITAL PROJ. NO.
 CP25013

PR. MGR.	A. LINEBAUGH
ARCH.	NA
MECH.	NA
ELEC.	NA
CIVIL	T.OSMAN
L.A.	NA
INT. DES.	NA
CONST. REP.	NA
APPR.	NA
DATE	06/03/2026
SCALE	1" = 30'
REVISIONS	
ISSUED FOR BIDDING 06/03/2026	