

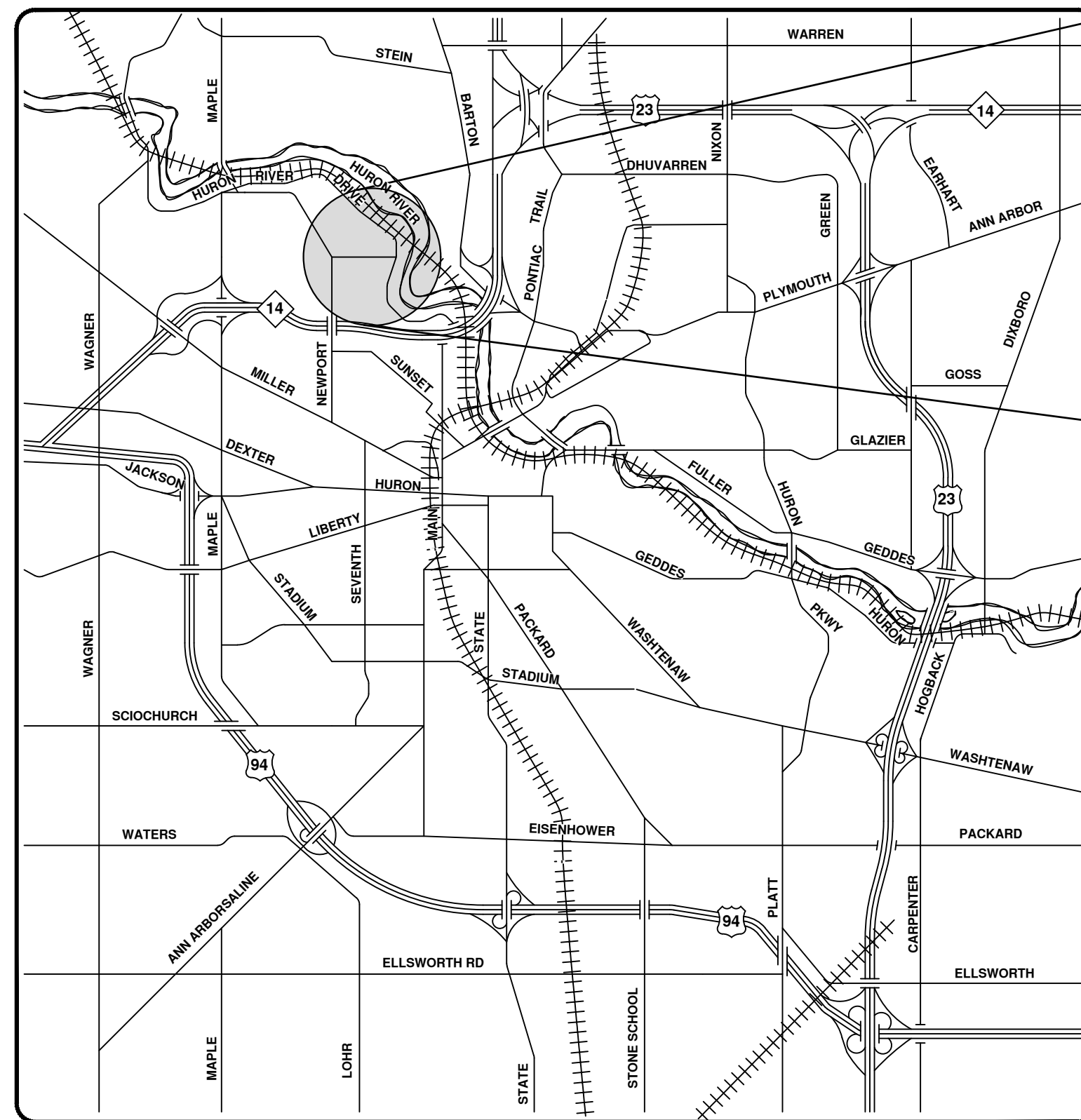
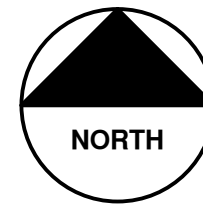


CITY OF ANN ARBOR ENGINEERING

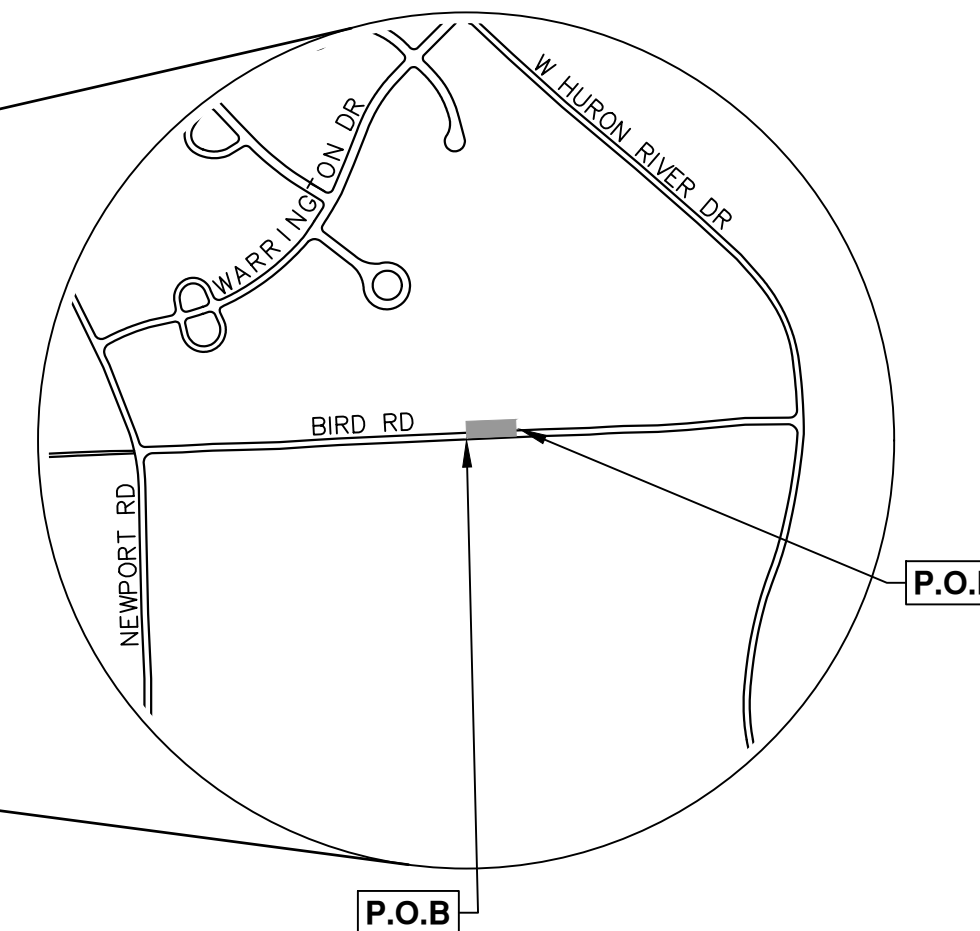
BIRD ROAD RETAINING WALL

BID No. ITB#4611, FILE No. 2018029

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1	COVER SHEET
2	STANDARD NOTES
3	LEGEND
4	DETAILS
5	REMOVALS
6	WALL PLAN
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VICINITY MAP

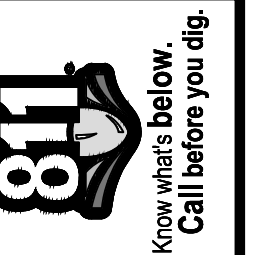


NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. 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.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS, ITS DETAILS, WHICH ARE INCLUDED BY REFERENCE, AND THIS PROJECT'S CONTRACT DOCUMENTS. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT.



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CITY OF ANN ARBOR
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301 EAST HURON STREET
ANN ARBOR, MI 48106-6647
734.794.4410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
CONTRACT FOR CONSTRUCTION OF BIRD ROAD RETAINING WALL. THE RETAINING WALL IS TO BE CONSTRUCTED IN THE LOCATION OF AN EXISTING STACKED STONE RETAINING WALL. THE PROJECT IS LOCATED ALONG NORTH SIDE OF BIRD ROAD, BETWEEN NEWPORT ROAD AND WEST HURON RIVER DRIVE.

SCALE
DRAWING No.
2018029-1
SHEET No.
1 OF 7

PREPARED UNDER THE SUPERVISION OF
Christopher Carson
CHRISTOPHER CARSON, P.E. - MI LICENSE No. 47156
PROJECT MANAGER



10/4/2019
DATE

R:\2018029 Bird Rd Ret Wall\Plan Production\2018029Cov.dwg - _o2_standard bw.stb - Plot Date: 1/17/2020 8:34:43 AM

CONSTRUCTION NOTES:

1. Driveways and entrances to buildings, real property, and the like shall not be blocked except for short durations and only when approved by the Engineer. Vehicular and pedestrian access shall be maintained at all times. It shall be the Contractor's responsibility to coordinate all necessary driveway closures with the property owner(s) and resident(s) in the areas of construction.
2. The location and depth of all existing utilities and service leads are to be field verified by the Contractor prior to construction.
3. Location and depth of utilities as depicted on the plans is approximate and shown according to the best information available. It is the Contractor's responsibility to excavate ahead and adjust depth of conflict utilities accordingly. Any damage to utilities is the Contractor's responsibility to avoid and/or repair as necessary.
4. During non-working hours no trench shall remain open; any open trench shall be properly secured with protective fencing. This work shall be included in the item of work "General Conditions".
5. Trenches for new water services shall be excavated to MIOSHA and City of Ann Arbor Public Works requirements.
6. "No Parking" signs shall be installed by the Contractor at locations as approved or directed by the Engineer. All signs shall be installed in accordance with the detailed specifications.
7. Postal delivery and refuse pickup service shall be maintained at all times by the Contractor..
8. Where street curbs are undermined due to construction activities, they shall be removed and replaced as directed by the Engineer.
9. The Contractor shall be responsible for the continuous maintenance of the temporary road surface and soil erosion control measures within the construction area until the full completion of the project. This work shall be included in the item of work "General Conditions".
10. All curb, sidewalk, driveway approach removals shall be approved by Engineer before the work is done.
11. The location of material stock piles and on-site staging areas to be approved by the Engineer.
12. Existing street name, guide, and regulatory signs, and mailboxes which conflict with the proposed construction shall be removed prior to construction, stored in a manner which will prevent damage, and re-set in locations as directed by the Engineer. This work will not be paid for separately, but shall be included in "Machine Grading, Modified"
13. In areas where edge drain cannot be installed in accordance with City of Ann Arbor Detail SD-TD-11, the edge drain shall be installed at the depth as indicated on the plans, or as directed by Engineer. In no case shall the edge drain be installed at a grade less than 0.50% or at a depth of less than 2' below top of proposed pavement.

GENERAL
NOTIFY THE CITY OF ANN ARBOR SOIL EROSION CONTROL OFFICE 48 HOURS PRIOR TO BEGINNING WORK ON THE PROJECT. PHONE: 734-794-6265.

1. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE SOIL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER AT ALL TIMES DURING CONSTRUCTION. ANY MODIFICATIONS OR ADDITIONS TO THE SOIL EROSION CONTROL MEASURES DUE TO CONSTRUCTION OR CHANGED CONDITIONS SHALL BE AS DIRECTED AND APPROVED BY THE ENGINEER.
2. ALL SOIL EROSION AND SEDIMENTATION CONTROL WORK SHALL CONFORM TO THE PERMIT REQUIREMENTS OF THE CITY OF ANN ARBOR, CHAPTER 55 ANN ARBOR UNIFIED DEVELOPMENT CODE, CITY OF ANN ARBOR STANDARDS DIVISION VII, THE LAWS OF THE STATE OF MICHIGAN, AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
3. DAILY, OR AFTER ANY STORM EVENT, INSPECTIONS OF EROSION CONTROL MEASURES SHALL BE MADE BY THE CONTRACTOR. PERIODIC INSPECTIONS MAY BE MADE BY THE ENGINEER TO DETERMINE THE EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL MEASURES. ANY NECESSARY CORRECTIONS SHALL BE MADE WITHOUT DELAY, AND WITHOUT ADDITIONAL COST TO THE CITY OF ANN ARBOR.
4. EROSION AND SEDIMENTATION FROM WORK ON THE SITE SHALL BE CONTAINED ON THE SITE AND NOT BE ALLOWED TO COLLECT ON ANY OFF-SITE AREAS, ROADWAYS OR WATERWAYS.
5. ALL MUD/SOIL TRACKED ONTO ROADWAYS FROM THE SITE DUE TO CONSTRUCTION, SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR. IF SO ORDERED, THE CONTRACTOR SHALL PROVIDE AND OPERATE A VACUUM-TYPE STREET SWEEPER, AT NO ADDITIONAL COST TO THE CITY OF ANN ARBOR.
6. RESTORATION OF ALL DISTURBED AREAS, INCLUDING PLACEMENT OF TOPSOIL, SEED, FERTILIZER AND MULCH AND/OR SOD SHALL BE PERFORMED WITHIN FIVE (5) DAYS OF THE COMPLETION OF FINAL GRADE.
7. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE SOIL EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION IN CRITICAL AREAS AND TEMPORARY STABILIZATION MEASURES ARE IN PLACE IMMEDIATELY FOLLOWING BACKFILLING OPERATIONS.
8. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
9. PROPER DUST CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF WATER TRUCKS AND/OR DUST PALLIATIVE AS REQUIRED.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND REMOVAL OF SOME MEASURES UPON AUTHORIZED COMPLETION OF THE PROJECT. FINAL COMPLETION OF PROJECT WILL NOT BE AUTHORIZED UNTIL ALL SITE WORK AND UTILITY CONSTRUCTION IS COMPLETE AND ALL SOILS ARE STABILIZED.
11. THE CONTRACTOR SHALL NOT GRADE INTO ADJACENT PROPERTIES. SILT AND PROTECTIVE FENCE SHALL BE INSTALLED AND MAINTAINED TO PREVENT GRADING, EROSION AND SEDIMENTATION INTO THE ADJACENT PROPERTIES.
12. TREE PROTECTION FENCING MUST REMAIN INTACT UNTIL RESTORATION OF THE SITE IS COMPLETE.

SEQUENCE OF EROSION CONTROL MEASURES:

1. THE CONTRACTOR IS TO SUBMIT TO THE ENGINEER, A SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION CONTROL MEASURES FOR REVIEW, COMMENT AND APPROVAL. THIS SCHEDULE IS TO INCLUDE INSPECTION AND REPAIR OF ALL TEMPORARY EROSION CONTROL MEASURES DAILY AND WITHIN 24 HOURS OF A STORM EVENT.

SAMPLE SOIL EROSION AND SEDIMENTATION CONTROL INSTALLATION MINIMUM REQUIREMENTS:

- 1.1. INSTALL SILT FENCE, TREE PROTECTION FENCING, MUD MATS, INLET FILTERS ON EXISTING DRAINAGE FEATURES, AND ALL OTHER TEMPORARY SOIL EROSION CONTROLS, PRIOR TO ANY CLEARING OR EARTH MOVING OPERATION.
- 1.2. STRIP AND STOCKPILE TOPSOIL. STABILIZE STOCKPILE AS REQUIRED.
- 1.3. INSTALL WATER MAINS, STORM AND SANITARY SEWERS, AND OTHER ENCLOSED DRAINAGE FEATURES. NEW INLET FILTERS SHALL BE INSTALLED IMMEDIATELY FOLLOWING INSTALLATION OF NEW DRAINAGE INLETS.
- 1.4. PERFORM MACHINE GRADING OPERATIONS AND CONSTRUCT PAVEMENTS (MAINLINE, SIDEWALKS, DRIVES, ETC.).
- 1.5. CONTINUALLY MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES, AS REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY ACCUMULATED SEDIMENT IMMEDIATELY.
- 1.6. COMPLETE ALL FINE GRADING.
- 1.7. TEMPORARY SEED AND INSTALL EROSION CONTROL BLANKET IN ALL DISTURBED AREAS.
- 1.8. REFER TO LANDSCAPE PLANTING PLANS FOR PERMANENT SITE STABILIZATION.
- 1.9. CLEAN OUT STORM SEWER SYSTEMS.
- 1.10. REMEDY ANY NOTED DEFECTS TO THE SATISFACTION OF THE CITY OF ANN ARBOR'S SOIL EROSION AND SEDIMENTATION CONTROL OFFICIAL.
- 1.11. ALL TEMP. SOIL EROSION CONTROL MEASURES MUST BE REMOVED, WITH ENGINEERS APPROVAL, PRIOR TO FINAL INSPECTION

NOTE: THIS SEQUENCE IS FOR INFORMATION ONLY. IT IS INTENDED TO SHOW THE SEQUENCE OF CONSTRUCTION WITH RESPECT TO THE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING THEIR OWN DETAILED CONSTRUCTION SEQUENCE AND SCHEDULE TO THE ENGINEER FOR REVIEW, COMMENT, AND APPROVAL.

TEMPORARY SEEDING:

1. SEED IN ACCORDANCE WITH PROJECT DRAWINGS AND SPECIFICATIONS.
2. ANY DISTURBED AREA NOT PAVED, SEEDED, MULCHED, SODDED OR BUILT UPON BY NOVEMBER 15TH OR JUNE 30TH IS TO BE TEMPORARILY STABILIZED PER SPECIFICATIONS.

PERMITS REQUIRED TO BE OBTAINED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION.

PERMIT	ISSUING AUTHORITY
LANE CLOSURE PERMIT*	CITY OF ANN ARBOR ENGINEERING
"NO PARKING" SIGNS PERMIT*	CITY OF ANN ARBOR ENGINEERING
GRADING/SOIL EROSION & SEDIMENTATION CONTROL PERMIT*	CITY OF ANN ARBOR CUSTOMER SERVICE
RIGHT-OF-WAY PERMIT*	CITY OF ANN ARBOR CUSTOMER SERVICE
* NO COST TO CONTRACTOR	

CONTACT INFORMATION

PUBLIC UTILITIES	OWNER	CONTACT
WATER	CITY OF ANN ARBOR PUBLIC WORKS W.R. WHEELER SERVICE CENTER 4251 STONE SCHOOL ROAD ANN ARBOR, MI 48108	(734) 794-6350
SANITARY		
STORM		
FORESTRY		
SIGNS SIGNALS STREET LIGHTS	CHUCK FOJTIK	(734) 794-6361
PRIVATE UTILITIES	OWNER	CONTACT
GAS	DTE ENERGY 3150 E. MICHIGAN AVE, YPSILANTI TOWNSHIP, MI 48198	ROBERT CZAPIEWSKI (734) 544-7818
ELECTRIC	DTE ENERGY WESTERN WAYNE SERVICE CENTER 8001 HAGGERTY ROAD BELLEVILLE, MI 48111	ANTHONY IGNASIAK (734) 397-4447
CABLE	COMCAST 27800 FRANKLIN ROAD SOUTHFIELD, MI 48034	RON SUTHERLAND (313) 999-8300
PHONE	AT&T 550 S. MAPLE ROAD ANN ARBOR, MI 48103	JEFF LEHMAN SR (734) 996-5334
FIBER OPTIC	MCI 2800 N. GLENFILLE ROAD RICHARDSON, TX 75082	DEAN BOYERS (972) 729-6016
FIBER OPTIC	WINDSTREAM 1295 S LINDEN ROAD, SUITE B FLINT, MI 48532	GREG SERICH (810) 244-3500
STREET LIGHTING	DTE ENERGY 8001 HAGGERTY ROAD BELLEVILLE, MI 48111	LANCE ALLEY (734) 397-4188

PROJECT NAME BENCHMARKS

BM #	ELEV	DESCRIPTION
1	869.47	ARROW ON TOP OF HYDRANT #02-1696 IN FRONT OF HSE #1288 BIRD ROAD



			BY	CHECKED
		DATE	BY	DRAWN
		DATE		
		DESCRIPTION		
		REV.		

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
BIRD ROAD RETAINING WALL

SCALE: NTS

DRAWING No. 2018029-2

SHEET No. 2 OF 7

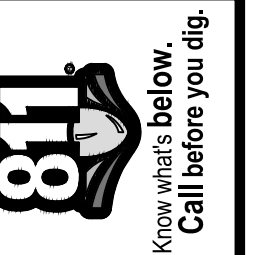
STANDARD NOTES

EXISTING LEGEND

	FIRE HYDRANT		WATER MAIN
	GATE VALVE IN BOX		WATER MAIN ABANDONED
	GATE VALVE IN WELL		STORM SEWER
	STOP BOX		STORM SEWER ABANDONED
	WATER VAULT		SANITARY SEWER
	WELL		SANITARY SEWER ABANDONED
	CATCH BASIN (SQ)		GAS MAIN
	CATCH BASIN (RD)		GAS MAIN (DEAD)
	STORM MANHOLE		ELECTRICAL OVER HEAD
	NON-CURB CATCH BASIN (SQ)		ELECTRICAL UNDER GROUND
	END SECTION		ELECTRICAL DUCT BANK
	SANITARY MANHOLE		TELEPHONE OVER HEAD
	CLEAN-OUT		TELEPHONE UNDER GROUND
	POST		TELEPHONE DUCT BANK
	PEDESTRIAN SIGNAL		CABLE TV OVER HEAD
	SIGN		CABLE TV UNDER GROUND
	HAND HOLE		FIBER OPTIC
	ORNAMENTAL LIGHT		FIBER OPTIC DUCT BANK
	FLOOD LIGHT		BOUNDARY
	UNKNOWN MANHOLE		BUILDING
	TELEPHONE MANHOLE		CENTERLINE OF DITCH
	TELEPHONE RISER		CENTERLINE/CROWN OF ROAD
	GAS VALVE		CONTOUR MAJOR
	GAS VENT		CONTOUR MINOR
	GAS BOX		EDGE OF WATER
	ELECTRICAL RISER		FLOODPLAIN
	TRANSFORMER		FENCE
	UTILITY POLE		GRAVEL
	LAMP POLE		GUARDRAIL
	GUY ANCHOR		STONE WALL
	GUY POLE		R.O.W.
	MONITORING WELL		TREELINE
	MAILBOX		WETLAND
	SOIL BORING		EDGE OF BRUSH
	TRAVERSE POINT		HEDGE
	BENCH MARK		TREE (DECIDUOUS)
	IRON PIPE		TREE (CONIFEROUS)
	MON BOX		SHRUB (DECIDUOUS)
			STUMP
			TREE TO REMAIN & PROTECT (DECIDUOUS) CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREST HEIGHT (INCHES) X 10
			TREE TO REMAIN & PROTECT (CONIFEROUS) CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREST HEIGHT (INCHES) X 10

PROPOSED LEGEND

	HYDRANT (PLAN)		WATER MAIN
	WATER GATE WELL		STORM SEWER
	REDUCER		SANITARY SEWER
	WATER GATE VALVE		FIBER OPTIC
	WATER STOP BOX		ELECTRICAL
	WATER VAULT		CENTERLINE OF DITCH
	INLET		CENTERLINE OF ROAD
	DOUBLE INLET		FENCE
	INLET JUNCTION CHAMBER		GRAVEL
	ROUND CATCH BASIN		SILT FENCE
	STORM MANHOLE		PROTECTIVE FENCE
	DRAIN ARROW		GUARDRAIL
	FLARED END SECTION		LOT/UNIT
	SANITARY MANHOLE		CURB
	CLEAN-OUT		TEMPORARY GRADING PERMIT
	BARREL		CONTOUR MAJOR
	SIGN		CONTOUR MINOR
	PUSH BUTTON		WATER EASMENT
	HAND HOLE		STORM EASEMENT
			SANITARY EASEMENT
			R.O.W.
			LIMITS OF CONSTRUCTION
			LIMIT OF GRADING
			STONE WALL
			DETECTABLE WARNING
			ASPHALT
			CONCRETE
			SIDEWALK
			TREE (DECIDUOUS)
			TREE (CONIFEROUS)
			TREE TO BE REMOVED (DECIDUOUS)
			TREE TO BE REMOVED (CONIFEROUS)
			STUMP TO BE REMOVED

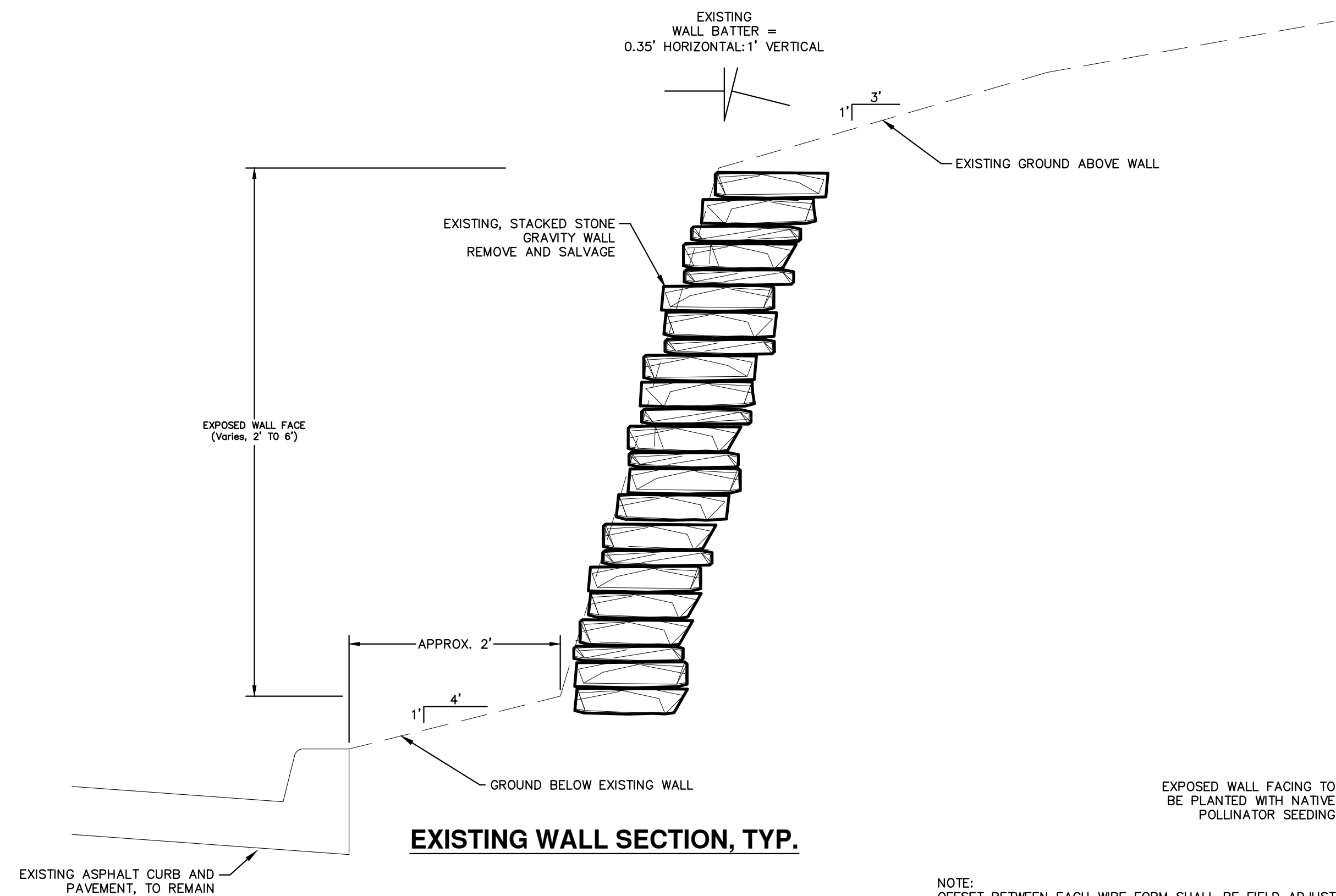


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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
 BIRD ROAD RETAINING WALL
 SCALE: NTS
 DRAWING No. 2018029-3

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EXISTING WALL SECTION, TYP.

DESIGN OF THE REINFORCED SOIL STRUCTURE IS BASED ON THE FOLLOWING PARAMETERS:

	EFFECTIVE FRICTION ANGLE	EFFECTIVE COHESION	MOIST UNIT WT
RETAINED SOILS	41°	0 psf	125 pcf
FOUNDATION SOILS	34°	0 psf	120 pcf

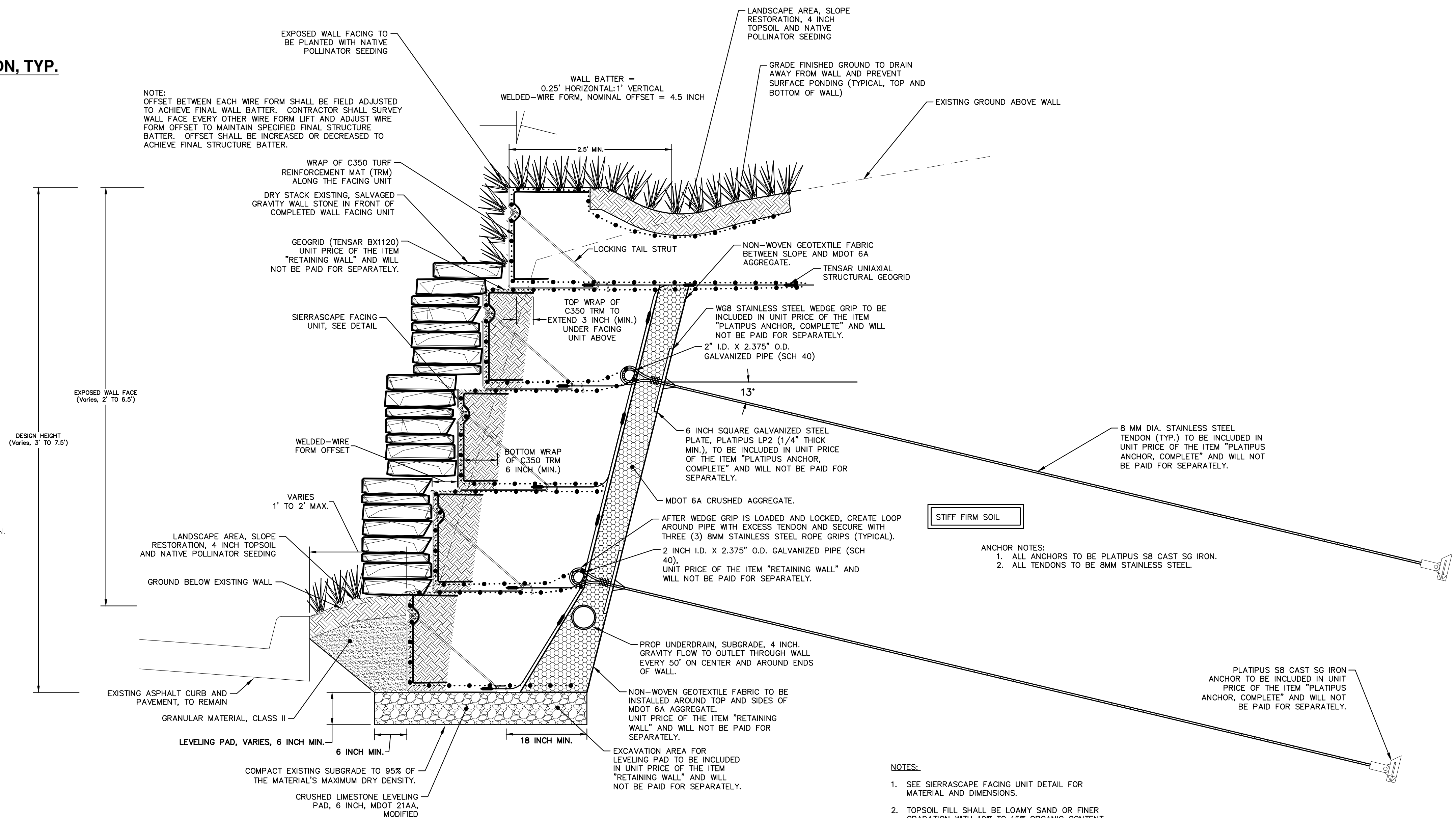
FACTORS OF SAFETY:

INTERNAL STABILITY:	
MINIMUM FACTOR OF SAFETY FOR UNCERTAINTIES	= 1.5
MINIMUM FACTOR OF SAFETY FOR GEOGRID PULLOUT	= 1.5
MINIMUM FACTOR OF SAFETY FOR SLIDING AT LOWEST	= 1.5
EXTERNAL STABILITY:	
MINIMUM FACTOR OF SAFETY FOR SLIDING AT BASE	= 1.5
MINIMUM FACTOR OF SAFETY FOR OVERTURNING	= 2.0

SOIL CONDITIONS:

NO SOIL INVESTIGATION WAS PERFORMED IN THE AREA OF THE ANCHORS. ANY CHANGE IN SOIL CONDITIONS OR PROJECT CHARACTERISTICS FROM THE ASSUMED CONDITIONS WILL VOID THE DESIGN. SURCHARGE LOADING = N/A DUE TO 33.7 DEG. BACK SLOPE

HYDROSTATIC DESIGN BASED ON GROUNDWATER LEVEL BELOW THE BOTTOM OF THE WALL.
SEISMIC DESIGN = NONE
MAXIMUM APPLIED BEARING PRESSURE = 1,500 PSF



TYPICAL WALL SECTION

NOTES:

- SEE SIERRASCAPE FACING UNIT DETAIL FOR MATERIAL AND DIMENSIONS.
- TOPSOIL FILL SHALL BE LOAMY SAND OR FINER GRADATION WITH 10% TO 15% ORGANIC CONTENT.
- TOPSOIL SHOULD NOT EXTEND MORE THAN A MAXIMUM OF 3 INCH UNDER SUCCESSIVE FACING UNITS.



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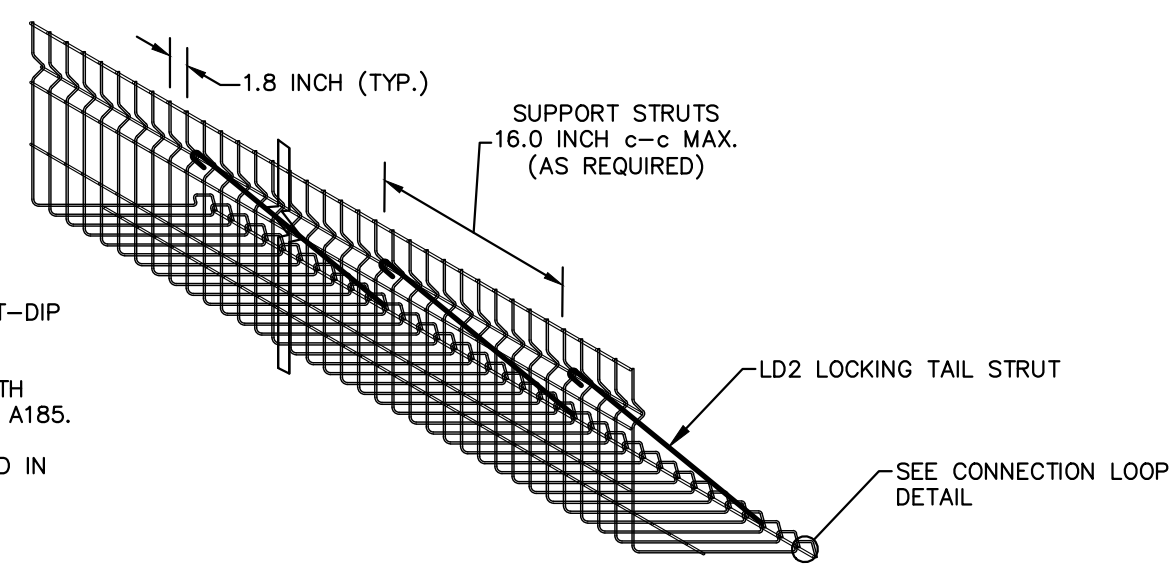
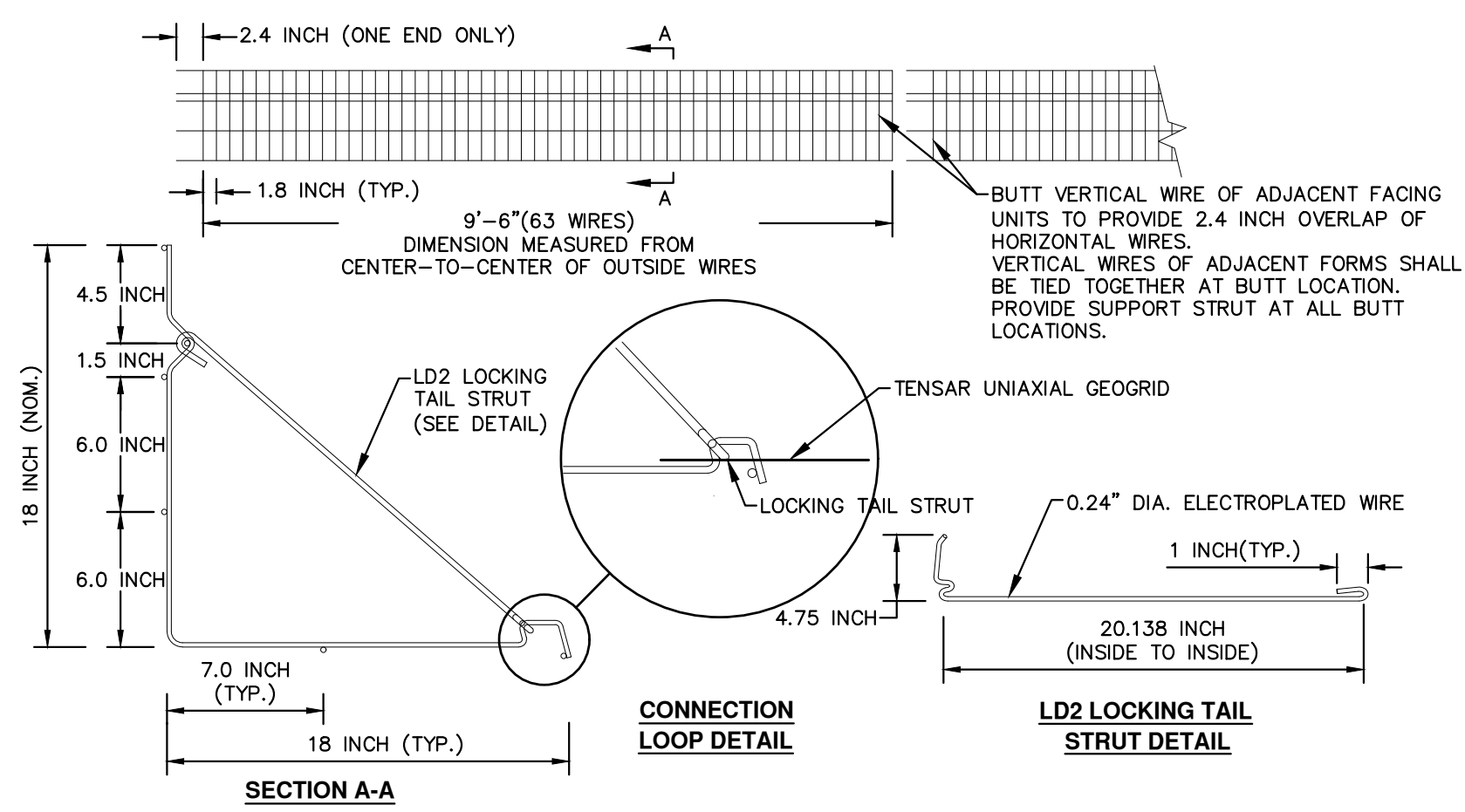


CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
BIRD ROAD RETAINING WALL
SCALE PLAN: 1" = 20'
DRAWING No. 2018029-4

SHEET No. 4 OF 7

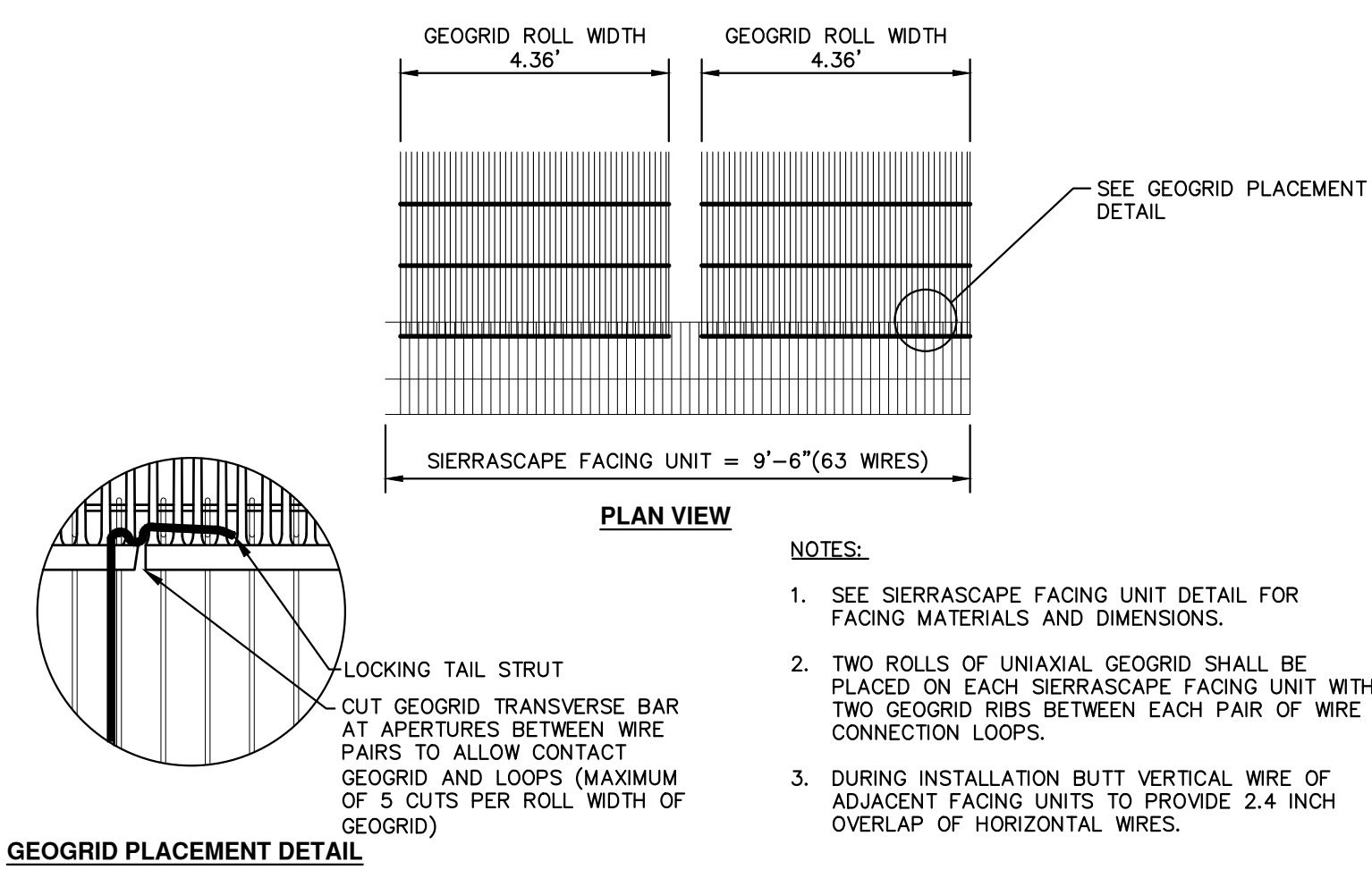
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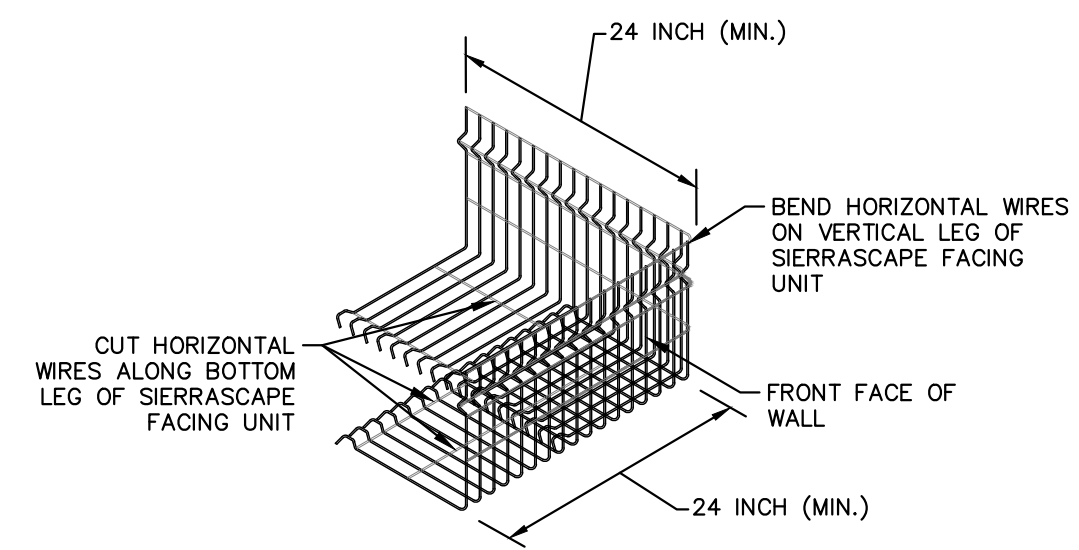


SIERRASCAPE® RETAINING WALL SYSTEM FACING UNIT WELDED WIRE FORM
NOT TO SCALE

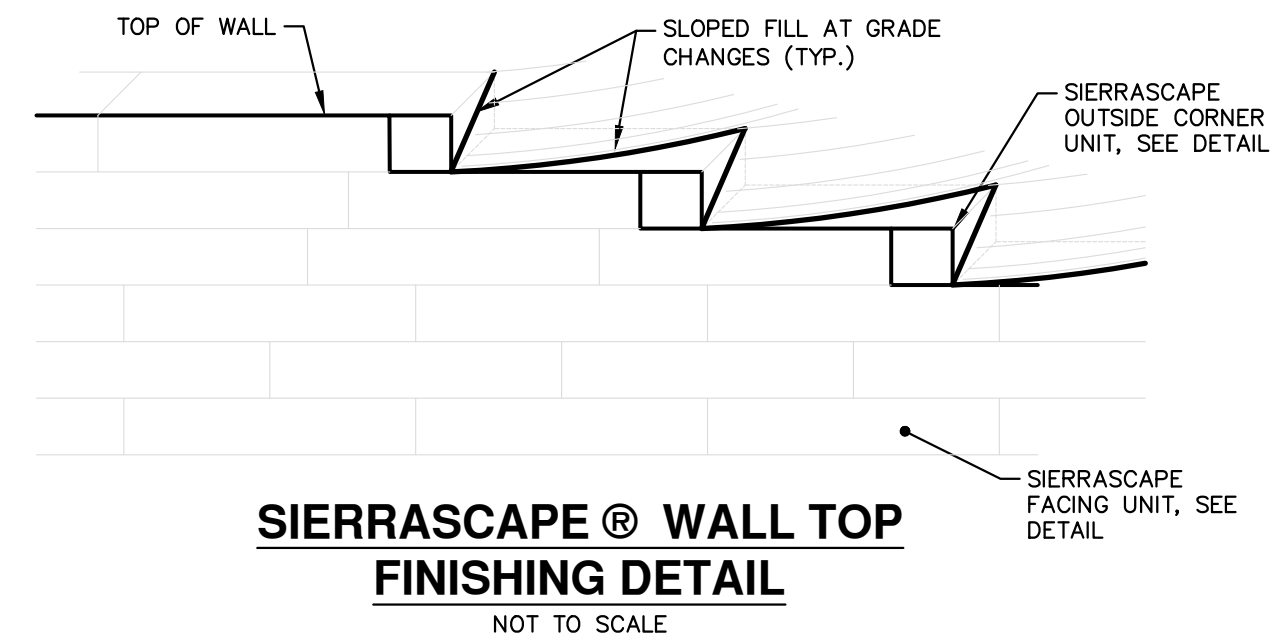
- NOTES:**
1. FACING TO CONSIST OF PREFABRICATED HOT-DIP GALVANIZED WWF, 4x4-W4.0xW4.0 FORMS.
 2. STEEL WIRE AND STRUTS SHALL COMPLY WITH ASTM A62. FABRICATION SHALL MEET ASTM A185.
 3. WIRE FORMS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123/A123M.
 4. STEEL STRUTS SHALL BE GALVANIZED (ELECTROPLATED), ASTM A641.
 5. ALL FORMS AND STRUTS SHALL BE GALVANIZED AFTER BENDING.



TYPICAL SIERRASCAPE® GEOGRID COVERAGE
NOT TO SCALE



SIERRASCAPE® OUTSIDE CORNER UNIT DETAIL
NOT TO SCALE



SIERRASCAPE® WALL TOP FINISHING DETAIL
NOT TO SCALE

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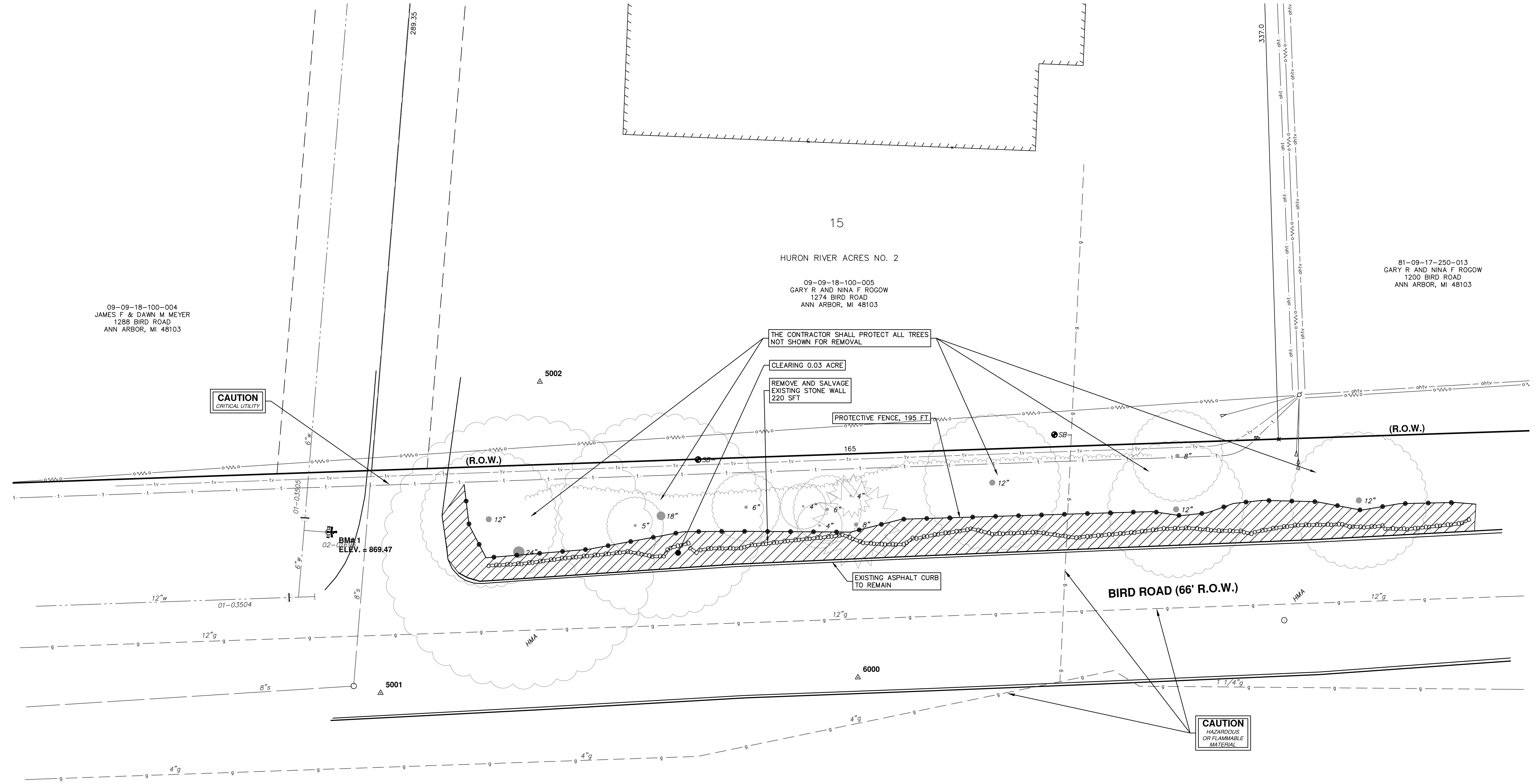
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
BIRD ROAD RETAINING WALL

SCALE PLAN: #####
DRAWING No. 2018029-5



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09-09-18-100-004
JAMES F & DAWN M MEYER
1288 BIRD ROAD
ANN ARBOR, MI 48103

09-09-18-100-005
GARY R AND NINA F ROGOW
1274 BIRD ROAD
ANN ARBOR, MI 48103

81-09-17-250-013
GARY R AND NINA F ROGOW
1200 BIRD ROAD
ANN ARBOR, MI 48103

CAUTION
CRITICAL UTILITY

CAUTION
HAZARDOUS
OR FLAMMABLE
MATERIAL



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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
BIRD ROAD RETAINING WALL

SHEET No.

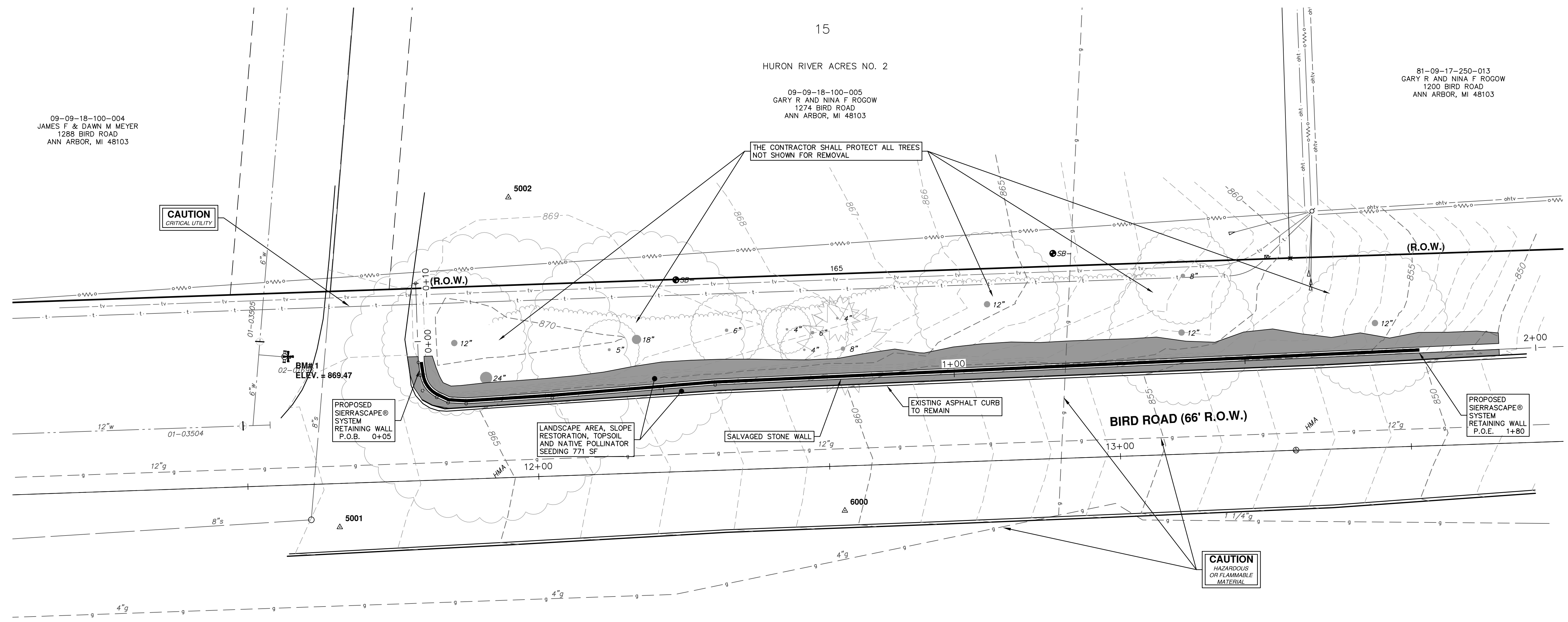
6 OF 7

SCALE PLAN: 1" = 10'
DRAWING No.
2018029-6

REMOVALS

REV.	DESCRIPTION	DATE	BY	CHECKED

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- NOTES:
1. ALL ANCHORS TO BE PLATIPUS S8 CAST SG IRON.
 2. ALL TENDONS TO BE 8 MM STAINLESS STEEL.
 3. A LEVELING PAD OF 6-INCH MINIMUM MDOT 21AA CRUSHED LIMESTONE AGGREGATE, AS INDICATED ON ELEVATION VIEW, MUST BE PLACED BELOW THE BOTTOM LAYER OF FACING UNIT.
 4. CONTRACTOR MUST MAINTAIN THE MINIMUM FACING UNIT BURIED BELOW GRADE AS SHOWN ON THE ELEVATION VIEW.
 5. FACING UNIT TO CONSIST OF SIERRASCAPE WALL SYSTEM.
 6. ANY CHANGES TO THE ABOVE REFERENCED DRAWINGS WILL VOID THIS DESIGN.
 7. DRAINAGE PIPE TO BE DAYLIGHTED AT ENDS OF WALL & AT INTERVALS OF 50' O.C., AND COVERED WITH RODENT GUARD.
 8. CONTRACTOR MUST REMOVE ALL TOPSOIL AND OTHER ORGANIC SOILS DOWN TO SUITABLE NATIVE SOIL PRIOR TO CONSTRUCTING THE LEVELING PAD. UNDERCUT MUST EXTEND OUTWARD AND DOWNWARD FROM THE FRONT OF THE WALL AT A SLOPE OF 1 UNITS VERTICAL TO 1 UNIT HORIZONTAL.

811
Know what's below.
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81-09-17-250-013
GARY R AND NINA F ROGOW
1200 BIRD ROAD
ANN ARBOR, MI 48103

REV.	DESCRIPTION	DATE	BY	CHECKED

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
ANN ARBOR, MI 48106
www.aagov.org

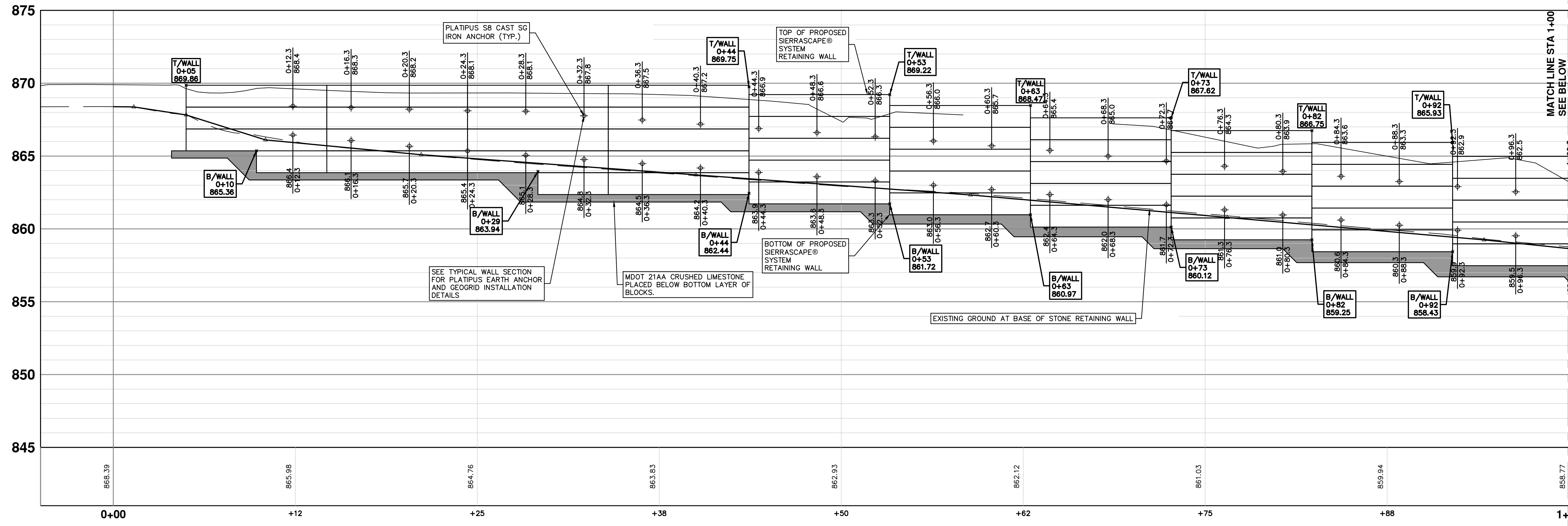
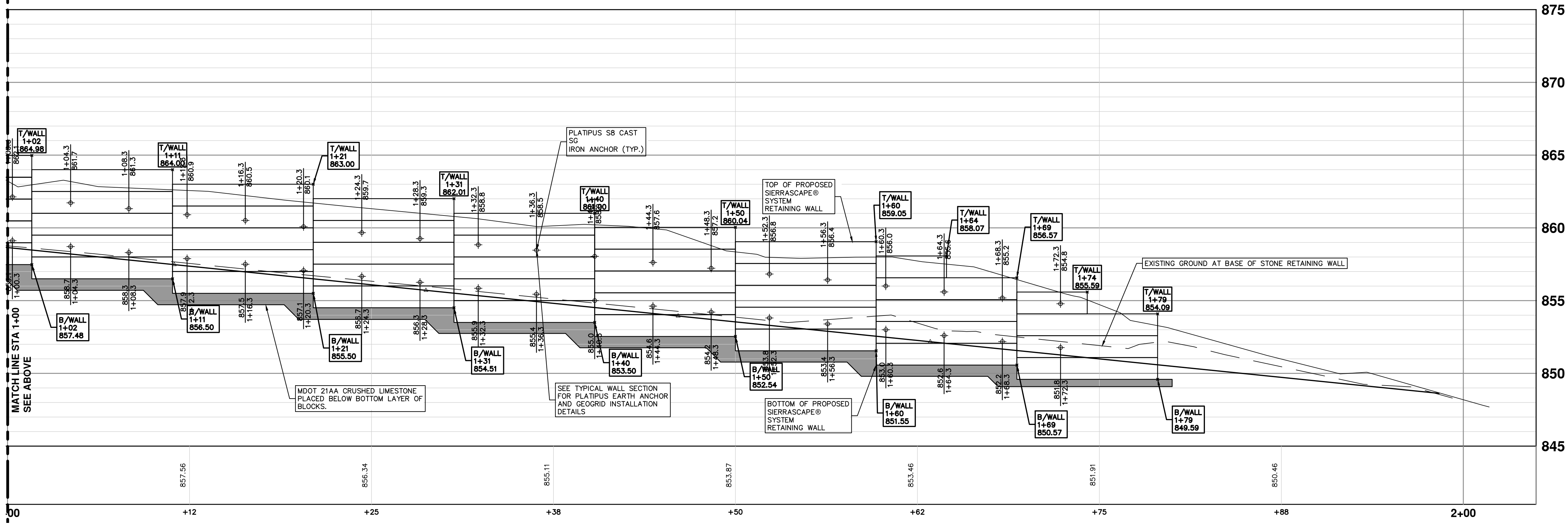
CITY OF ANN ARBOR
PUBLIC SERVICES - ENGINEERING WALL
BIRD ROAD RETAINING WALL
WALL PLAN

SCALE PLAN: 1" = 10'
PROFILE: 1" = 10'

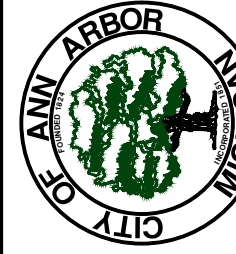
DRAWING No.
2018029-7

SHEET No. **7 OF 7**

R:\2018029 Bird Rd Ret Wall\Plan Production\2018029Wall.dwg Dwg Created: 3-Jan-20 --_a2_standard bw.stb -- Plot Date: 17-Jan-20



CITY OF ANN ARBOR
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
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PROFILE: 1" = 4'



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