CITY OF ANN ARBOR
ENGINEERING

IN COOPERATION WITH THE

MICHIGAN DEPARTMENT OF TRANSPORTATION
AND THE
FEDERAL HIGHWAY ADMINISTRATION

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

MDOT JOB NO. 204944-A **MDOT CONTROL SECTION NO. TA 81000**

NOTES:

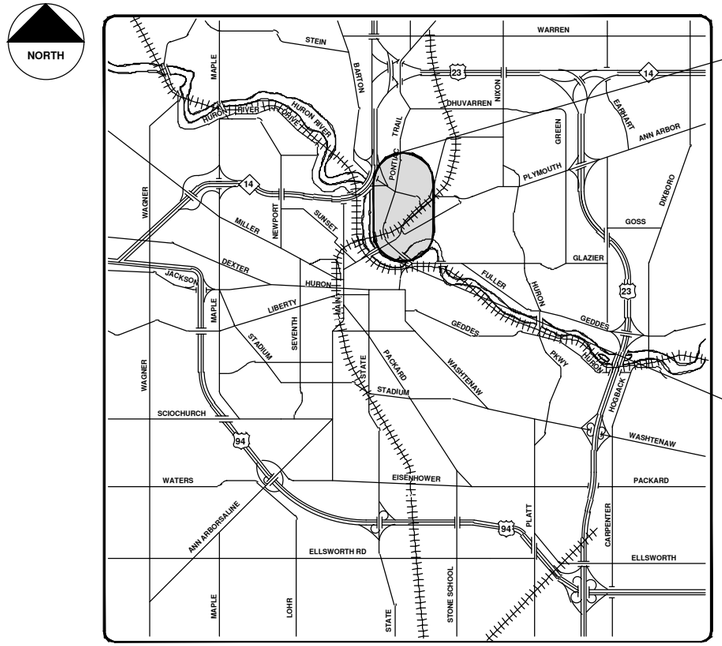
FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY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

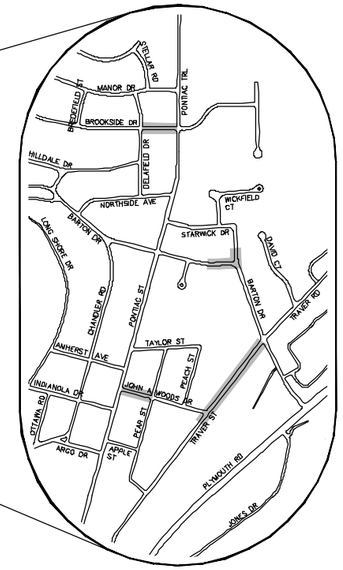
THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE PERFORMED IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION (INCLUDING REFERENCED M.D.O.T. PUBLICATIONS) AND THIS PROJECT'S CONTRACT DOCUMENTS.

THE PROPOSED IMPROVEMENTS COVERED BY THESE PLANS ARE DESIGNED IN ACCORDANCE WITH THE LOCAL AGENCY PROGRAMS GUIDELINES FOR GEOMETRICS ON LOCAL AGENCY PROJECTS 2017 EDITION, 2012 A.A.S.H.T.O. "GUIDE FOR PLANNING, DESIGN, AND OPERATION OF BICYCLE FACILITIES", AND THE TRAFFIC CONTROL IN ACCORDANCE WITH THE 2011 "MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".

STANDARD PLANS		
	CONSTRUCTION OF THE FOLLOWING ITEMS, WHERE CALLED FOR ON THE PLANS, WILL BE CONSTRUCTED ACCORDING TO MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD PLANS AS INDICATED.	
REQUIRED ON THIS PROJECT	**ITEM OF WORK**	**STANDARD PLAN NUMBERS**
x	DRAINAGE STRUCTURES	R-1-G *
x	COVER B	R-7-F
x	COVER G	R-12-E
x	COVER K	R-15-F
x	SIDEWALK RAMP AND DETECTABLE WARNING DETAILS	R-28-J *
x	DRIVEWAY OPENINGS & APPROACHES AND CONCRETE SIDEWALKS	R-29-I
x	BUMPER & PARKING RAILS AND MISC. WOOD POSTS	R-74-D
x	SOIL EROSION & SEDIMENTATION CONTROL MEASURES	R-96-E
x	SODDING, SEEDING AND TREE PLANTING	R-100-H
TRAFFIC AND SAFETY STANDARD PLANS		
x	GROUND DRIVEN SIGN SUPPORTS FOR TEMP SIGNS	WZD-100-A*
x	TEMPORARY TRAFFIC CONTROL DEVICES	WZD-125-E*
* SPECIAL DETAIL LOCATED IN PROPOSAL		



VICINITY MAP



SHEET LIST TABLE	
SHEET NUMBER	**SHEET TITLE**
1	COVER SHEET
2	LEGEND AND NOTES
3	SESC NOTES AND DETAILS
4	TYPICAL SECTIONS
	TRAFFIC CONTROL
5	BARTON DRIVE
6 - 7	BROOKSIDE DRIVE - PHASE I & II
8 - 14	TRAVER STREET PHASE I, IIA & IIB
15	JOHN A WOODS DRIVE - PHASE I & II
	REMOVALS
16	BARTON DRIVE
17	BROOKSIDE DRIVE
18 - 20	TRAVER STREET
21	JOHN A WOODS DRIVE
	PROPOSED SIDEWALK
22	BARTON DRIVE
23	BROOKSIDE DRIVE
24 - 29	TRAVER STREET
30	JOHN A WOODS DRIVE
	INTERSECTION GRADES
31	BARTON DRIVE
32	BROOKSIDE DRIVE
33	TRAVER STREET
34	JOHN A WOODS DRIVE

PREPARED UNDER THE SUPERVISION OF

JANE KATHERINE ALLEN, P.E. - MI LICENSE No. 57254
PROJECT MANAGER

2/21/2019
DATE

STATE OF MICHIGAN
JANE KATHERINE ALLEN
ENGINEER
No. 57254
LICENSED PROFESSIONAL ENGINEER

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	MDOT G SUBMITTAL	10-8-2018	KBJ,DF,CC	JKA
01	OUT FOR BID	2-21-2019	KBJ,DF,CC	JKA

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

CITY OF ANN ARBOR
PUBLIC SERVICES
301 E. HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
(734) 794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE

DRAWING No. 2018024-1

SHEET No. 1 OF 34

R:\2018024 Northside STEAM SRTS\Plan Production\2018024cov.dwg - _a2 standard bw.stb - Plot Date: 2/21/2019 12:59:37 PM

GENERAL 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. During non-working hours no more than ten (10) feet of trench shall remain open; any open trench shall be properly secured with protective fencing. This work shall be included in the items of work being undertaken and will not be paid for separately.
4. The location of material stock piles and on-site staging areas shall be approved by the Engineer.
5. All excavation required for project grading within the project limits, including proposed pavement, sidewalk, and sidewalk ramps shall be included in "Sidewalk Grading" or "Sidewalk Ramp Grading".
6. Excavation, earth behind curb and gutter shall be included in "Sidewalk Grading" or "Sidewalk Ramp Grading". All backfill under proposed concrete pavements such as drive approaches, ramps, sidewalk, etc., shall be MDOT Class II Granular Material, compacted to 95% of its max. dry density and will be paid for as "Subbase, CIP, Class II, Granular Material, Modified." Backfill for other areas must be approved by the Engineer and compacted to 95% of its max. dry density. No payment will be made for sub-base or aggregate base that extends beyond 12" behind the back of curb. Reference the Typical Cross Sections.
7. Some storm sewer may unavoidably become damaged during construction, or it may be determined by the Engineer that existing storm sewer needs to be replaced. In either case the Engineer may direct the sewer to be removed and replaced. The removal of the existing sewer and/or drainage structures shall be included in the contract work items "Sewer, Rem, Less than 24 inch" or "Dr Structure, Rem", and the replacement sewer shall be installed and paid for at the corresponding contract unit price, if contained within the contract, for the various types and sizes of sewer to be replaced
8. Where existing sewer and/or drainage structures are to be removed, they shall be properly disposed of off-site and the excavation shall be backfilled with MDOT Class II Granular Material compacted to 95% of its max. dry density. This work shall be included in the contract items "Sewer, Rem, Less than 24 inch" and/or "Dr Structure, Rem."
9. All fittings, hydrants, valves and castings removed during construction shall become the property of the City of Ann Arbor. The Contractor shall stockpile and coordinate pick up by the City of Ann Arbor Public Works Staff.
10. Payment for drainage structure sumps where specified shall be included in the payment for the various drainage structures sizes and/or types.
11. Where pipes of different sizes or materials are joined, Fernco Flexible Couplings with stainless steel shear rings shall be used. All costs associated with the installation of these devices shall be included in the payment for the sewer.
12. Where storm sewer is to be removed and replaced or added, all pipe shall be installed using the utility trench details shown elsewhere in the plan sheets and/or detailed in the specifications. Trench Details I and V require the use of MDOT Class II Granular Material.
13. If the Contractor encounters existing edge drain(s) during construction of the proposed edge drains, inlet leads, or catch basins, it shall be capped at each end to prevent material from entering the pipe. The cost of this work will not be paid for separately, but shall be included in the particular item of work being performed when existing edge drain(s) are encountered.
14. Existing street name signs, guide, bus stop, and regulatory signs 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 "Project Supervision."
15. All curb, sidewalk, driveway approach removals shall be approved by the Engineer before the work is performed.
16. Place 4" (minimum) thickness Class II Granular Material compacted to 95% of its max. dry density under concrete sidewalk as shown on the details. This work shall be included in the contract items "Subbase, CIP, Class II Granular Material, Modified."
17. Place 6" (minimum) Class II Granular Material compacted to 95% of its max. dry density under drive approaches. This work shall be included in the contract item "Subbase, CIP, Class II, Granular Material, Modified."
18. A uniform coat(s) of curing compound shall be applied according to the Standard Specifications and Special Provisions regardless of the difficulty involved. The Contractor shall take care to prevent overspray when applying curing compound. Several different methods may need to be developed to protect various situations, but all methods used to prevent overspray of the curing compound shall be completely effective. Methods used shall be approved by the Engineer prior to use, however approval of a method does not guarantee success or acceptability. No additional compensation shall be made for complying with these requirements.

CONTACT INFORMATION

PUBLIC UTILITIES	OWNER	CONTACT
WATER		
SANITARY		
STORM	CITY OF ANN ARBOR PUBLIC WORKS W.R. WHEELER SERVICE CENTER 4251 STONE SCHOOL ROAD ANN ARBOR, MI 48108	(734) 794-6350
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 OPTICS	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

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

JOHN A WOODS DRIVE BENCHMARKS

BM #	ELEV	DESCRIPTION
7	852.876	FND RR SPIKE IN W. SIDE OF U.P. @ N.E. CORNER OF PEAR ST. AND JOHN A. WOODS (BK 1104 P 51)
9	848.259	SET RR SPIKE IN N.W. SIDE OF U.P. @ S.E. CORNER OF JOHN A. WOODS AND PONTIAC TRAIL.
10	850.560	SET RR SPIKE IN W. SIDE OF L.P. ON E. SIDE OF PEAR ST. BETWEEN HSE NO.'S 1544 AND 1548.
11	848.235	SET RR SPIKE IN S.E. SIDE OF L.P. @ N.W. CORNER OF PEAR ST. AND APPLE ST.
12	843.200	SET RR SPIKE IN S.W. SIDE OF U.P. @ N.E. CORNER OF APPLE ST. AND PONTIAC TRAIL.
13	840.418	FND MAG NAIL IN S. SIDE OF U.P. ON W. SIDE OF PEAR ST. @ BEND IN ROAD
14	834.919	SET RR SPIKE IN W. SIDE OF U.P. ON E. SIDE OF TRAVER ST.

TRAVER STREET BENCHMARKS

BM #	ELEV	DESCRIPTION
1	856.580	FND RR SPIKE IN S. SIDE OF L.P. @ N.W. CORNER OF PEACH ST. AND JOHN A. WOODS (BK 1104 P 52)
2	853.630	FND "BM SPIKE" IN N. SIDE OF U.P. @ S.E. CORNER OF JOHN A. WOODS AND TRAVER ST.
3	855.883	FND RR SPIKE IN S. SIDE OF U.P. @ N.W. CORNER OF JOHN A. WOODS AND TRAVER ST.
4	833.074	SET RR SPIKE IN W. SIDE OF L.P. ON E. SIDE OF TRAVER ST. POLE IS 40± S. OF CL DRIVE FOR HSE NO. 1616.
5	821.794	SET RR SPIKE IN U.P. ON W. SIDE OF TRAVER ST. POLE IS 75± N. OF CL DRIVE FOR HSE NO. 1643.
6	819.055	SET RR SPIKE IN W. SIDE OF U.P. @ S.W. CORNER OF TRAVER ST. AND BARTON DR.
7	852.876	FND RR SPIKE IN W. SIDE OF U.P. @ N.E. CORNER OF PEAR ST. AND JOHN A. WOODS (BK 1104 P 51)
8	851.629	FND RR SPIKE IN N. SIDE OF L.P. @ S.W. CORNER OF PEAR ST. AND JOHN A. WOODS (BK 1104 P 52)

EXISTING LEGEND

- FIRE HYDRANT
- GATE VALVE IN BOX
- GATE VALVE IN WELL
- STOP BOX
- WATER VAULT
- WELL
- CATCH BASIN (SQ)
- CATCH BASIN (RD)
- STORM MANHOLE
- NON-CURB CATCH BASIN (SQ)
- END SECTION
- SANITARY MANHOLE
- CLEAN-OUT
- POST
- PEDESTRIAN SIGNAL
- SIGN
- HAND HOLE
- ORNAMENTAL LIGHT
- FLOOD LIGHT
- UNKNOWN MANHOLE
- TELEPHONE MANHOLE
- TELEPHONE RISER
- GAS VALVE
- GAS VENT
- GAS BOX
- ELECTRICAL RISER
- TRANSFORMER
- UTILITY POLE
- LAMP POLE
- GUY ANCHOR
- GUY POLE
- MONITORING WELL
- MAILBOX
- SOIL BORING
- TRAVERSE POINT
- BENCH MARK
- IRON PIPE
- MON BOX

- WATER MAIN
- WATER MAIN ABANDONED
- STORM SEWER
- STORM SEWER ABANDONED
- SANITARY SEWER
- SANITARY SEWER ABANDONED
- GAS MAIN
- GAS MAIN (DEAD)
- ELECTRICAL OVER HEAD
- ELECTRICAL UNDER GROUND
- ELECTRICAL DUCT BANK
- TELEPHONE OVER HEAD
- TELEPHONE UNDER GROUND
- TELEPHONE DUCT BANK
- CABLE TV OVER HEAD
- CABLE TV UNDER GROUND
- FIBER OPTIC
- FIBER OPTIC DUCT BANK
- BOUNDARY
- BUILDING
- CENTERLINE OF DITCH
- CENTERLINE/CROWN OF ROAD
- CONTOUR MAJOR
- CONTOUR MINOR
- EDGE OF WATER
- FLOODPLAIN
- FENCE
- GRAVEL
- GUARDRAIL
- STONE WALL
- R.O.W.
- TREELINE
- WETLAND
- EDGE OF BRUSH
- HEDGE
- TREE (DECIDUOUS)
- TREE (CONIFEROUS)
- SHRUB (DECIDUOUS)
- STUMP
- TREE TO REMAIN & PROTECT (DECIDUOUS)
  CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREAST HEIGHT (INCHES) X 10
- TREE TO REMAIN & PROTECT (CONIFEROUS)
  CRITICAL ROOT ZONE (C.R.Z.) = DIAMETER BREAST HEIGHT (INCHES) X 10

BROOKSIDE DRIVE BENCHMARKS

BM #	ELEV	DESCRIPTION
1015	854.720	CITY OF ANN ARBOR BENCHMARK @ INTERSECTION OF DELAFIELD DR. AND BROOKSIDE DR.
1	856.128	SET RR SPIKE IN S. SIDE OF L.P. @ N.E. CORNER OF BROOKSIDE DR. AND DELAFIELD DR.
2	859.819	SET RR SPIKE IN S. SIDE OF U.P. ON N. SIDE OF BROOKSIDE DR. BETWEEN HSE NO.'S 701 AND 719
3	871.119	TOP OF SW ANCHOR BOLT FOR L.P. @ SE CORNER OF BROOKSIDE DR. AND PONTIAC TRAIL

BARTON DRIVE BENCHMARKS

BM #	ELEV	DESCRIPTION
1017	856.440	CITY OF ANN ARBOR BENCHMARK @ NORTHSIDE SCHOOL.
1	854.398	SET RR SPIKE IN L.P. ON W. SIDE OF STARWICK DR. BETWEEN HSE NO.'S 823 AND 880
2	851.209	SET RR SPIKE IN W. SIDE OF L.P. ON ELY SIDE OF BARTON DR. BETWEEN HSE NO.'S 901 AND 899.
3	857.853	STEAMER VALVE ON FIRE HYDRANT ON S. SIDE OF BARTON DR. BETWEEN HSE NO.'S 820 AND 900.

PROPOSED LEGEND

- HYDRANT (PLAN)
- WATER GATE WELL
- REDUCER
- WATER GATE VALVE
- WATER STOP BOX
- WATER VAULT
- INLET
- DOUBLE INLET
- INLET JUNCTION CHAMBER
- ROUND CATCH BASIN
- STORM MANHOLE
- DRAIN ARROW
- FLARED END SECTION
- SANITARY MANHOLE
- CLEAN-OUT
- BARREL
- SIGN
- PUSH BUTTON
- HAND HOLE

- WATER MAIN
- STORM SEWER
- SANITARY SEWER
- FIBER OPTIC
- ELECTRICAL
- CENTERLINE OF DITCH
- CENTERLINE OF ROAD
- FENCE
- GRAVEL
- SILT FENCE
- PROTECTIVE FENCE
- GUARDRAIL
- LOT/UNIT
- CURB
- TEMPORARY GRADING PERMIT
- CONTOUR MAJOR
- CONTOUR MINOR
- WATER EASMENT
- 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

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

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KBLDF,GC	JKA
00	MDOT & SUBMITTAL	10-8-2018	KBLDF,GC	JKA

CITY OF ANN ARBOR
PUBLIC SERVICES
301 E. HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
(734) 794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

LEGEND AND NOTES

SCALE: NTS

DRAWING No. 2018024-2

SHEET No. 2 OF 34

R:\2018024 Northside STEAM SRTS\Plan Production\2018024cov.dwg - _a2 standard bw.stb - Plot Date: 2/21/2019 12:59:38 PM

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. 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.

3. 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.

4. 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, WITHIN FOUR (4) HOURS OF BEING SO ORDERED.

5. 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.

6. 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.

7. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.

8. PROPER DUST CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION BY USE OF WATER TRUCKS AND/OR DUST PALLATIVE AS REQUIRED.

9. 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.

10. 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.

11. 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, 2019 IS TO BE TEMPORARILY STABILIZED USING PAY ITEMS "SEEDING, MIXTURE CR", "MULCH", "MULCH ANCHORING", "FERTILIZER, CHEMICAL NUTRIENT, CL A", "TOPSOIL SURFACE, FURN, 4 INCH".

3. PAY ITEM "WEED CONTROL" SHALL BE USED TO MAINTAIN THE TEMPORARILY STABILIZED AREAS SO PERMANENT SEEDING CAN TAKE PLACE THE FOLLOWING SPRING.

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

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	MDOT & SUBMITTAL	10-8-2018	KBJ,DF,CC	JKA
01	OUT FOR BID	2-21-2019	KBJ,DF,CC	JKA

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
(734) 794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

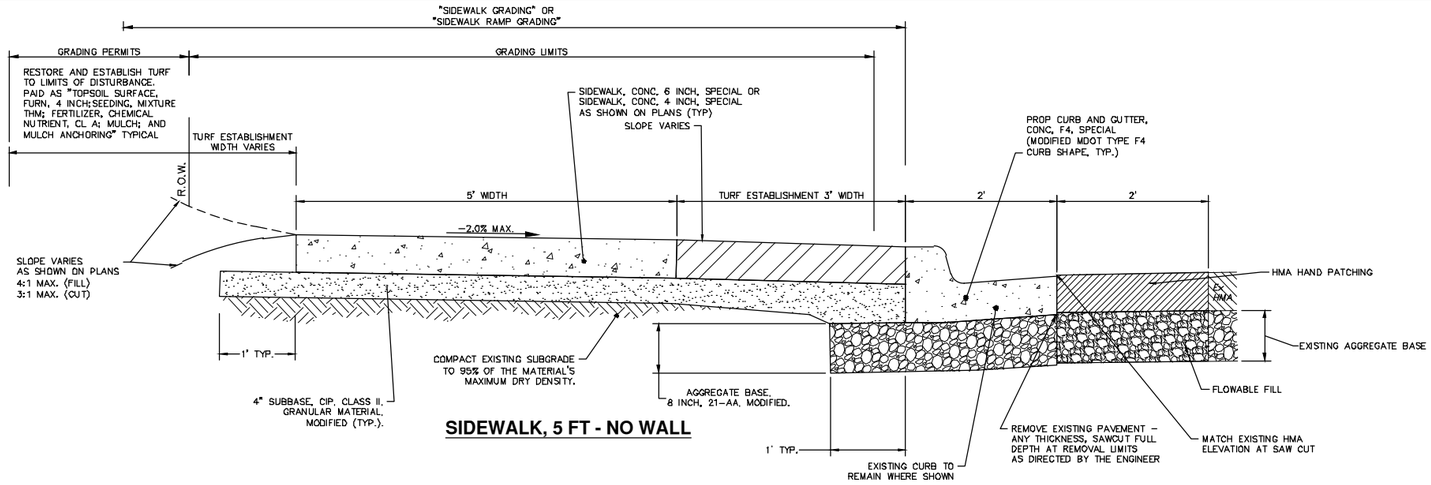
SESC NOTES AND DETAILS

SCALE : NTS

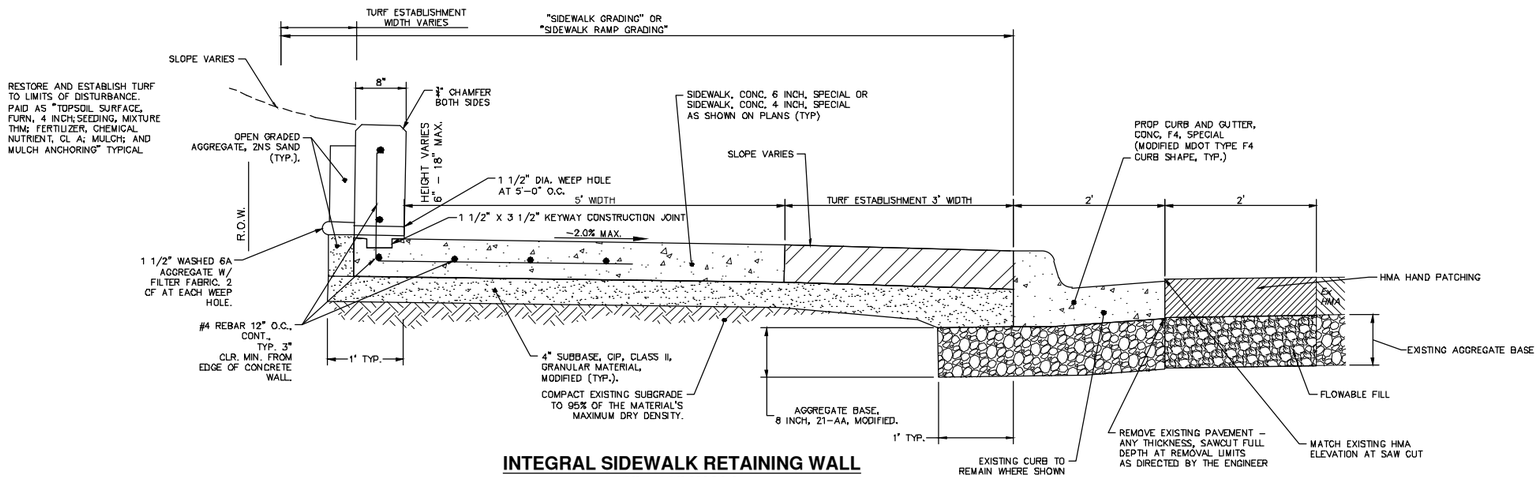
DRAWING No.
20180243

SHEET No.
3 OF 34

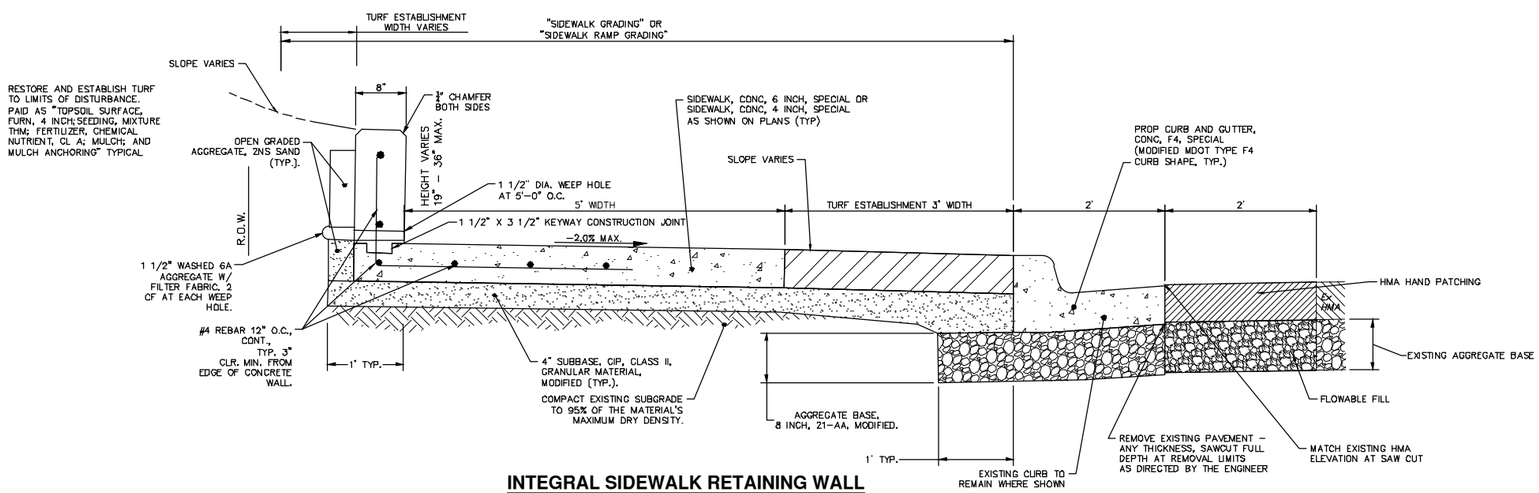
R:\2018024 Northside STEAM SRTS\Plan Production\20180243ov.dwg Dwg Created: 21-Feb-19 -- _a2 standard bw.stb -- Plot Date: 21-Feb-19



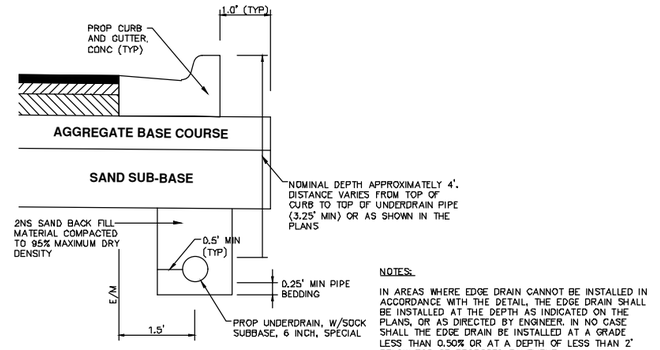
SIDEWALK, 5 FT - NO WALL



INTEGRAL SIDEWALK RETAINING WALL
6" - 18" WALL
NOT TO SCALE



INTEGRAL SIDEWALK RETAINING WALL
19" - 36" WALL
NOT TO SCALE



TRENCH DETAIL FOR UNDER DRAIN
(UNDER HMA PAVEMENT)

NOTES:

IN AREAS WHERE EDGE DRAIN CANNOT BE INSTALLED IN ACCORDANCE WITH THE DETAIL, 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.

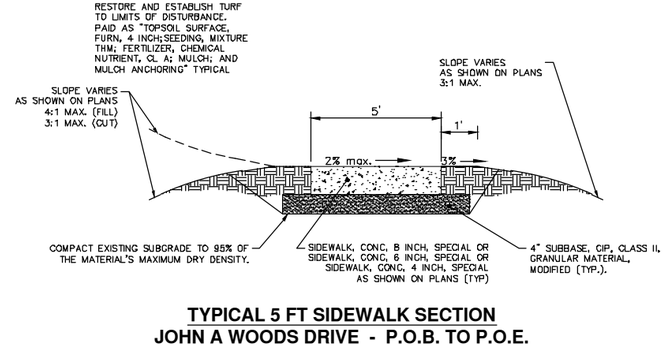
FOR PAVEMENT BASE AND SUBBASE THICKNESS, SEE TYPICAL PAVEMENT CROSS-SECTION(S)

TRENCH DETAILS SHOW TYPE OF BACKFILL AND SURFACE RESTORATION ONLY

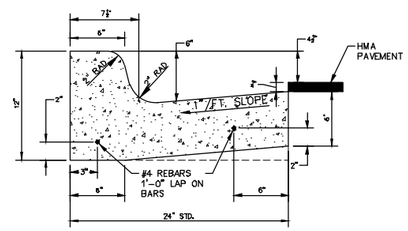
ALL TRENCHING TO CONFORM TO ALL APPLICABLE M.I.O.S.H.A. STANDARDS

EDGE DRAINS SHALL BE CONNECTED TO A DRAINAGE STRUCTURE AND WILL EXTEND A MINIMUM OF 100 FEET UPSLOPE FROM THE STRUCTURE.

ADDITIONAL LENGTHS OF EDGE DRAIN MAY BE REQUIRED BY THE ENGINEER BASED ON EXISTING SITE CONDITIONS, INCLUDING CONDITION OF THE SUBGRADE.



TYPICAL 5 FT SIDEWALK SECTION
JOHN A WOODS DRIVE - P.O.B. TO P.O.E.
BROOKSIDE DRIVE - P.O.B. TO P.O.E.
BARTON DRIVE - P.O.B. TO P.O.E.



CURB AND GUTTER, CONC, DET F4, SPECIAL

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

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KBJ,DF,CC	JKA
00	MDOT & SUBMITTAL	10-8-2018	KBJ,DF,CC	JKA

CITY OF ANN ARBOR
PUBLIC SERVICES
301 E. HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
(734) 794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

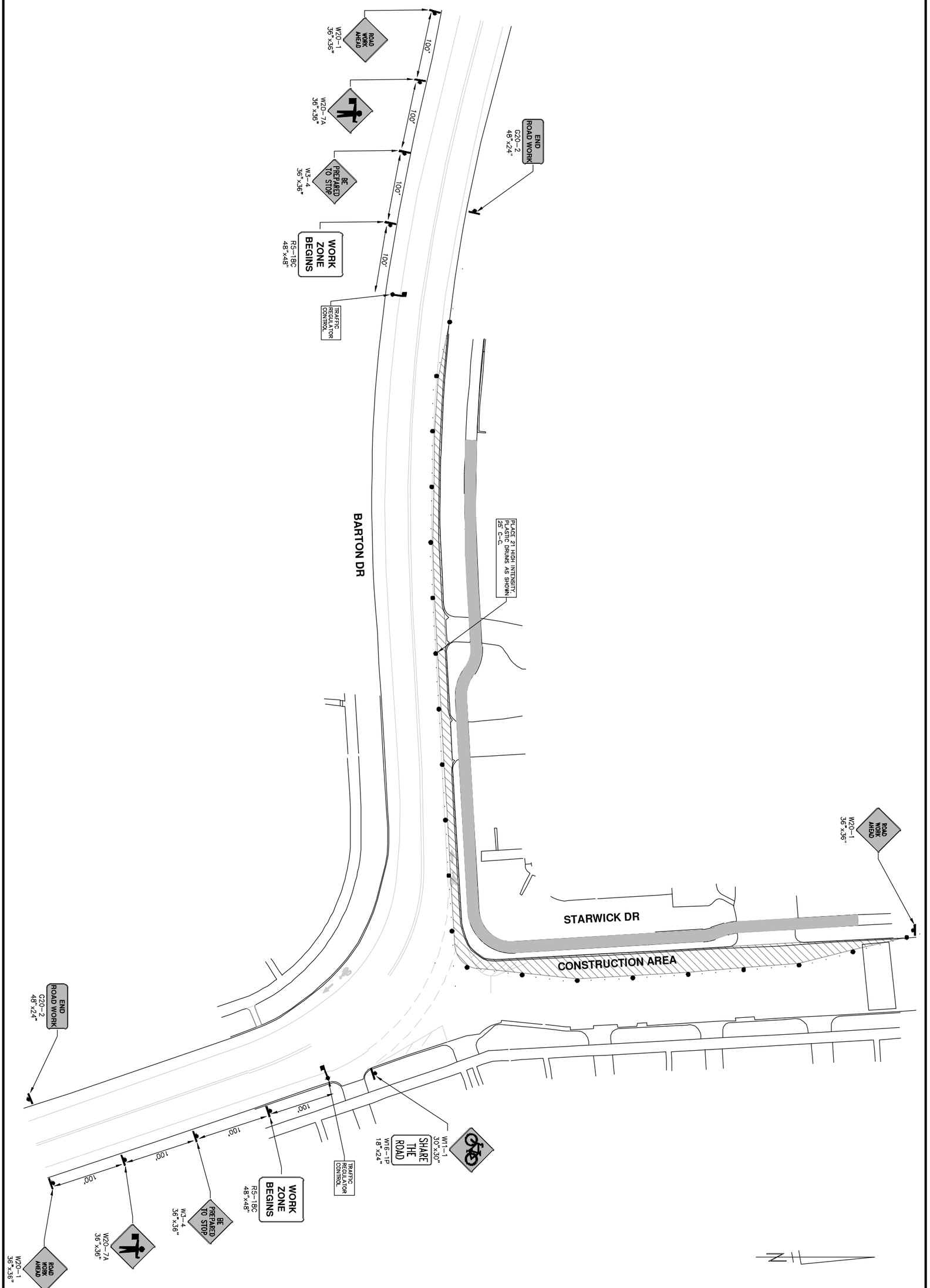
TYPICAL SECTIONS

SCALE : NTS

DRAWING No. 20180824-4

SHEET No. 4 OF 34

R:\2018024 Northside STEAM SRTS\Plan Production\2018024Mtrf.dwg Dwg Created: 19-Feb-19 - _a2 standard bw.stb - Plot Date: 21-Feb-19



SHEET No. 5 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20'

DRAWING No. 2018024-5

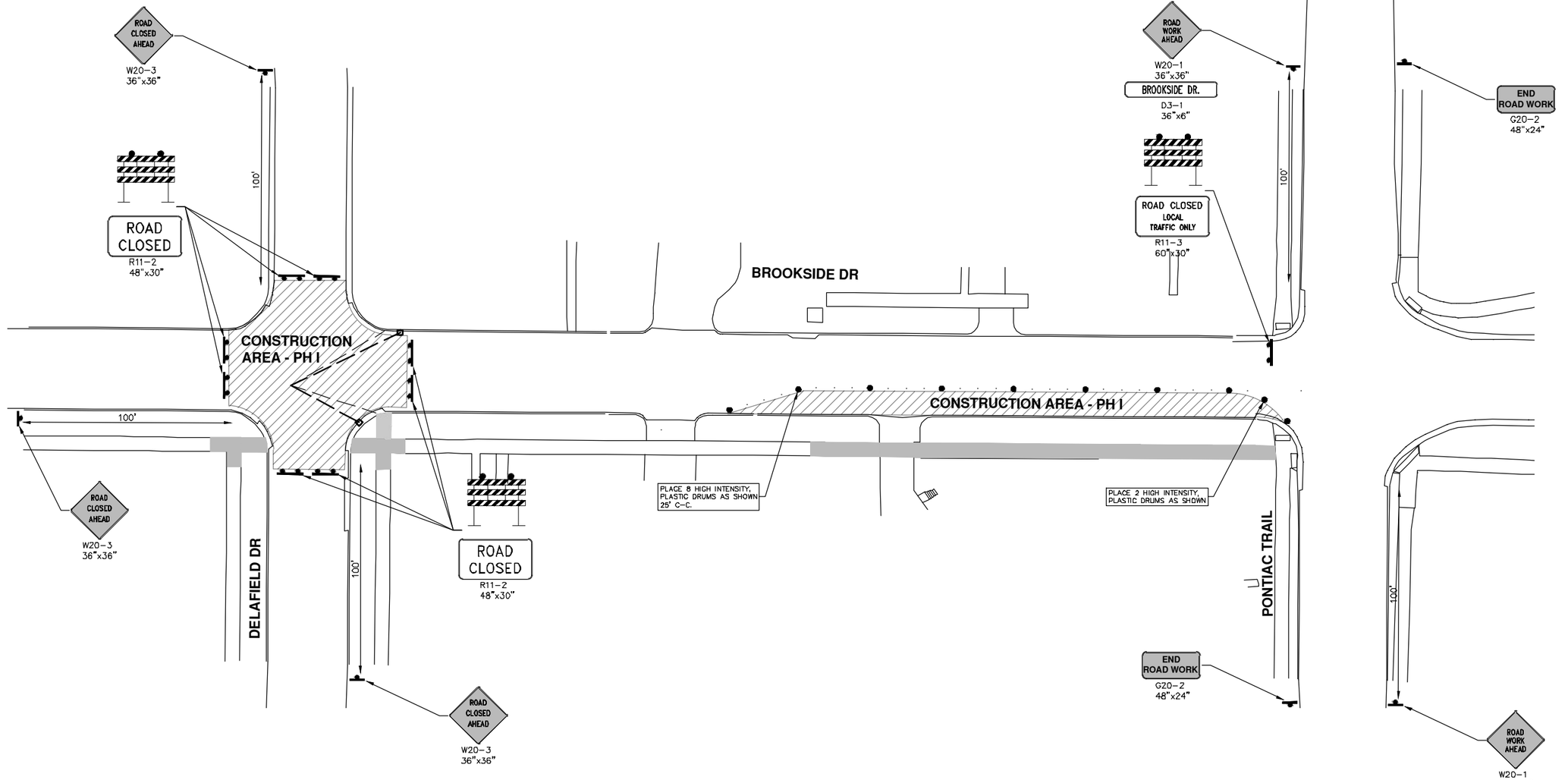
NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

TRAFFIC CONTROL

BARTON DRIVE

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA



Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KBJDF,GC	JKA
00	MDOT & SUBMITTAL	10-8-2018	KBJDF,GC	JKA

CITY OF ANN ARBOR
PUBLIC SERVICE CENTER
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
(734) 794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

TRAFFIC CONTROL

BROOKSIDE DRIVE - PHASE I

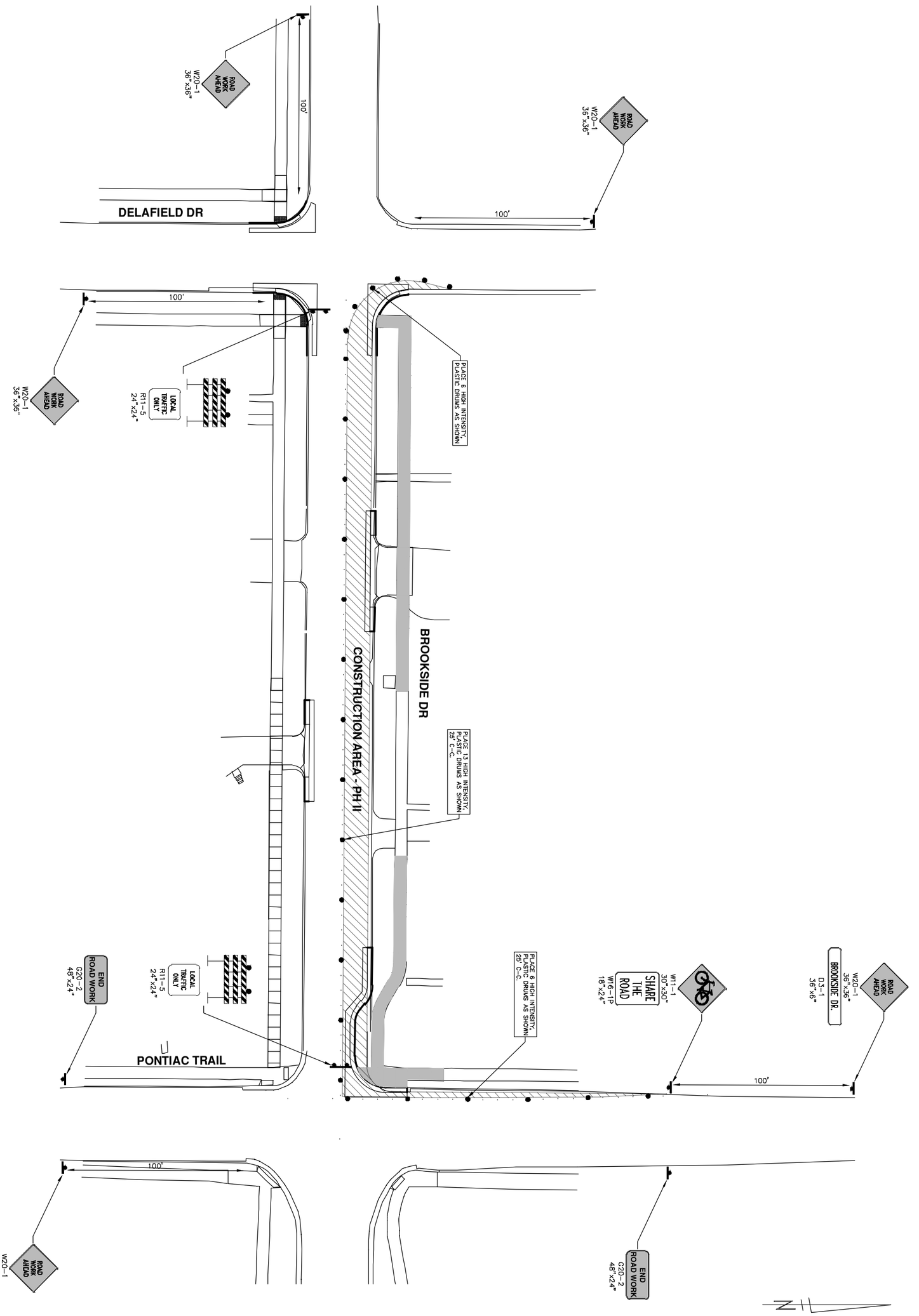
SCALE PLAN: 1" = 20'

DRAWING No. 2018024-6

SHEET No.

6 OF 34

R:\2018024 Northside STEAM SRTS\Plan Production\2018024Mtrf.dwg Dwg Created: 19-Feb-19 - _a2 standard bw.stb - Plot Date: 21-Feb-19



01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA	
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA	
REV.	DESCRIPTION	DATE	DRAWN	CHECKED	

SHEET No.
7 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20'

DRAWING No.
2018024-7

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

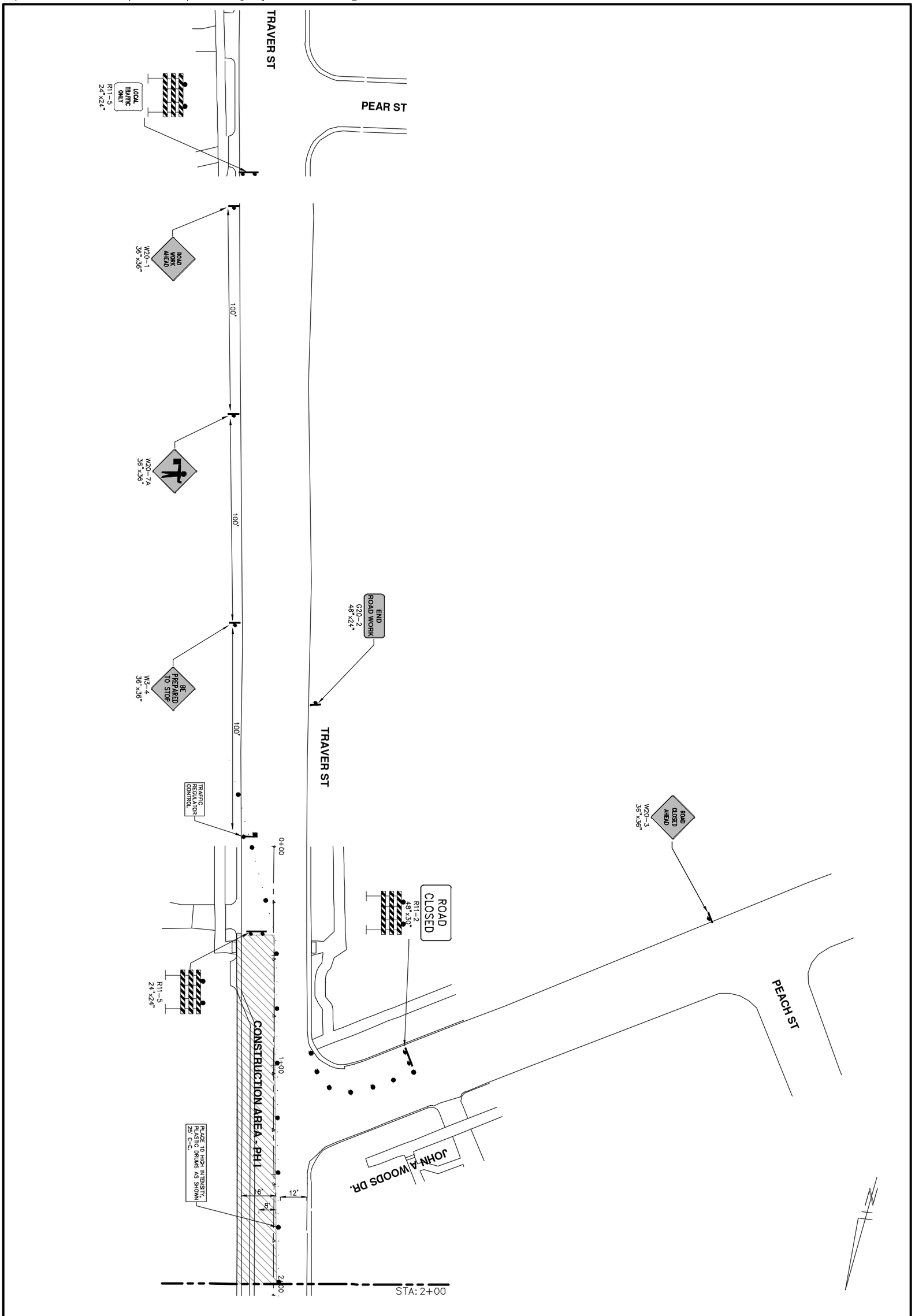
TRAFFIC CONTROL

BROOKSIDE DRIVE - PHASE II

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

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

R:\2018024 Northside STEAM SRTS\Plan Production\2018024Mtrf.dwg Dwg Created: 19-Feb-19 - _a2 standard bw.stb - Plot Date: 21-Feb-19



SHEET No.
8 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE : 1" = 20'

DRAWING No.
2018024-8

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

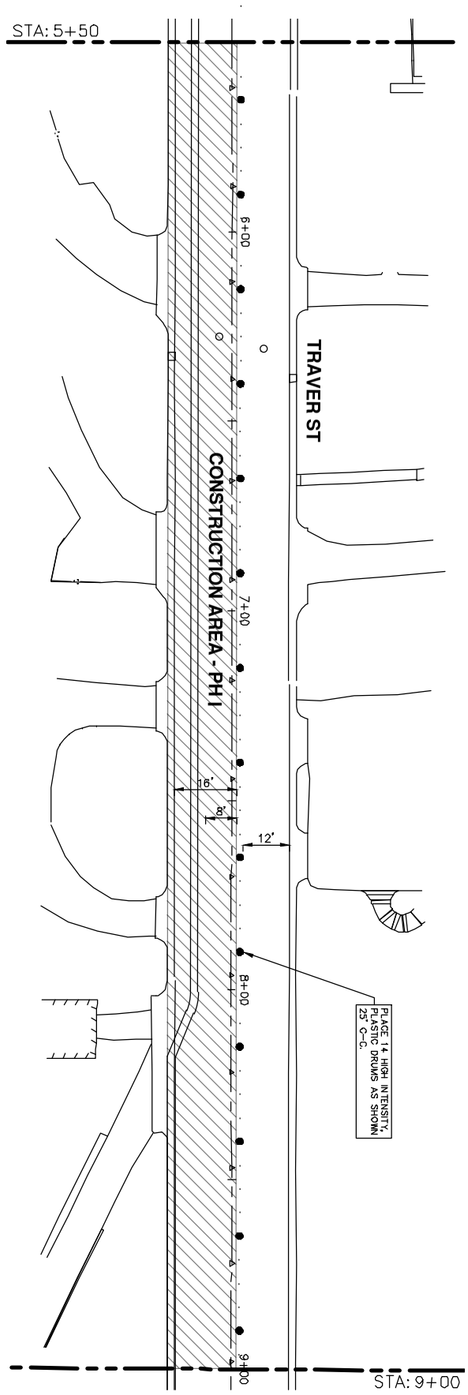
TRAFFIC CONTROL

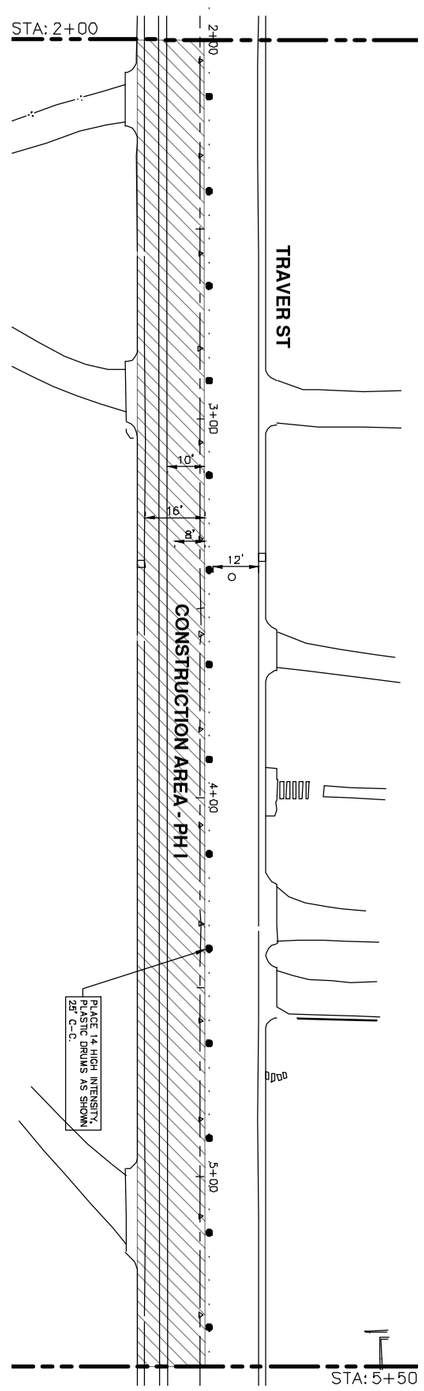
TRAVER STREET - PHASE I

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA

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





SHEET No. 9 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE : 1" = 20'

DRAWING No. 2018024-9

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

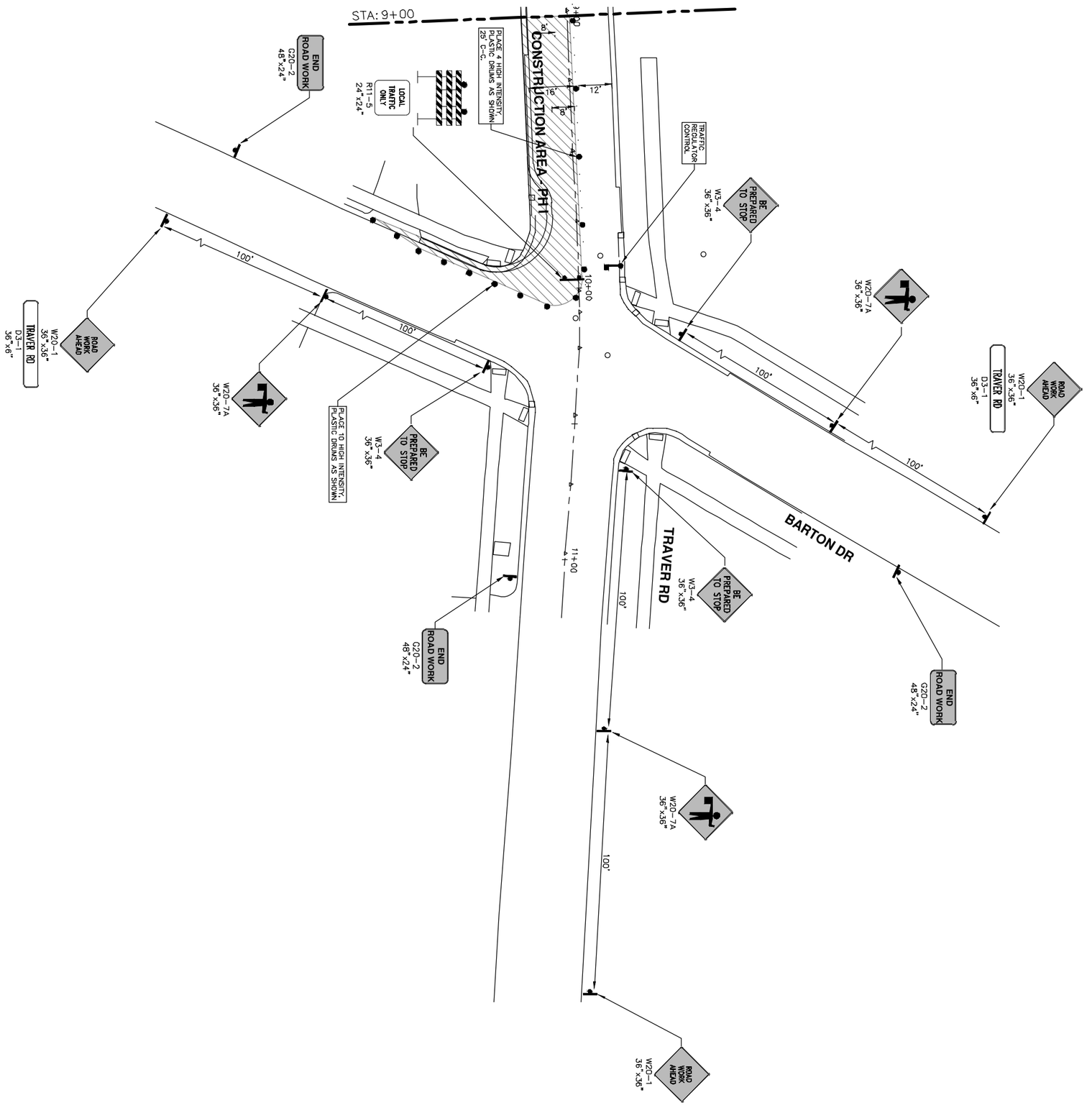
TRAFFIC CONTROL

TRAVER STREET - PHASE I

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA

R:\2018024 Northside STEAM SRTS\Plan Production\2018024Mtrf.dwg Dwg Created: 19-Feb-19 - _a2 standard bw.stb - Plot Date: 21-Feb-19



01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA	
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA	
REV.	DESCRIPTION	DATE	DRAWN	CHECKED	

SHEET No. 10 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE : 1" = 20'

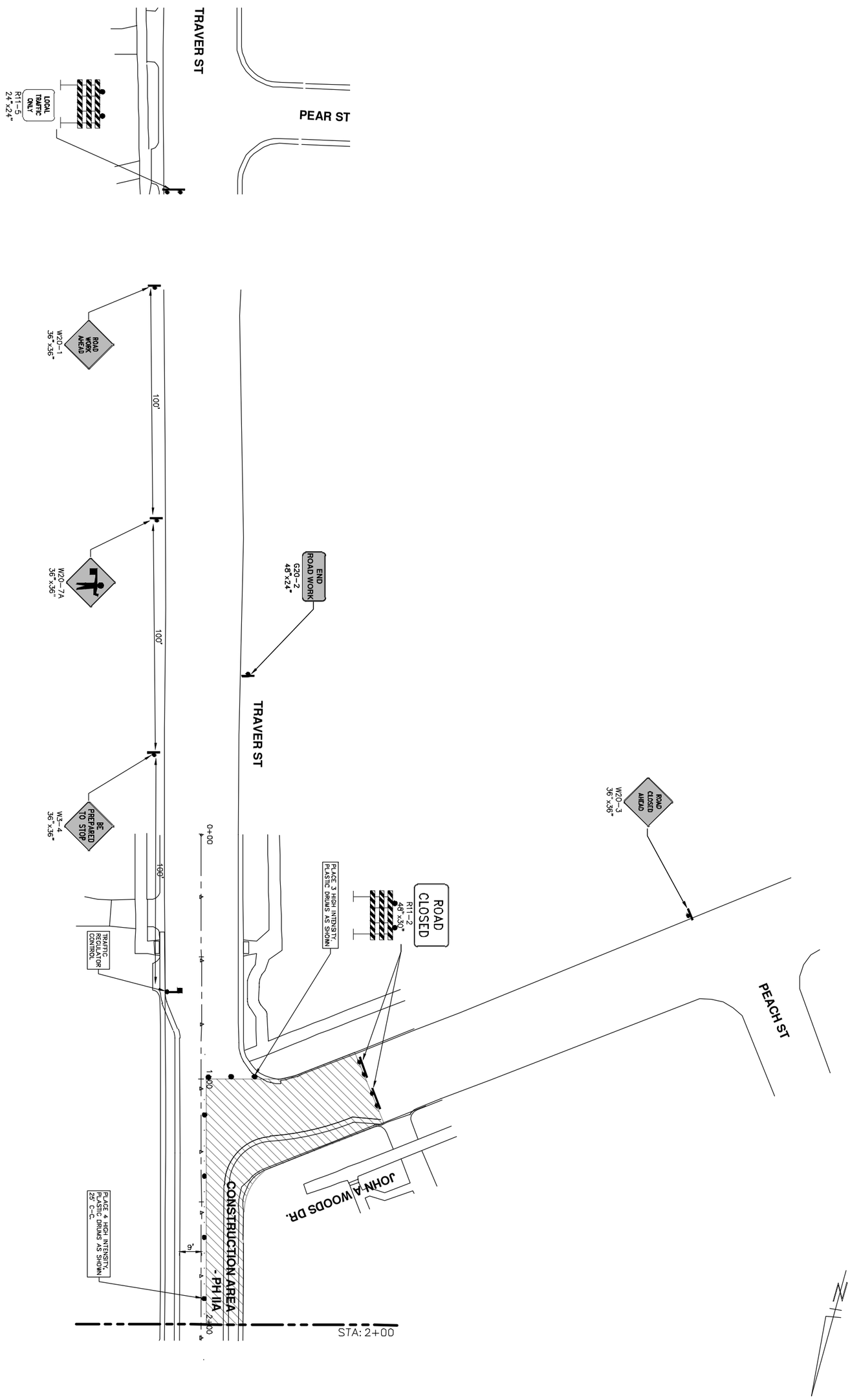
DRAWING No. 2018024-10

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

TRAFFIC CONTROL

TRAVER STREET - PHASE I

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org



SHEET No.
11 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE : 1" = 20'

DRAWING No.
2018024-11

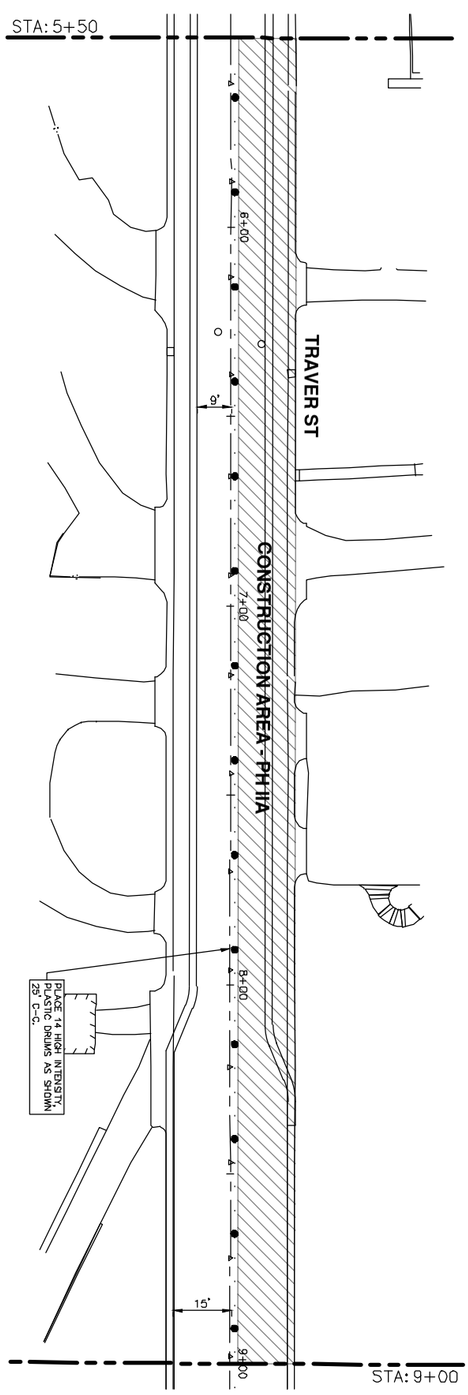
NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

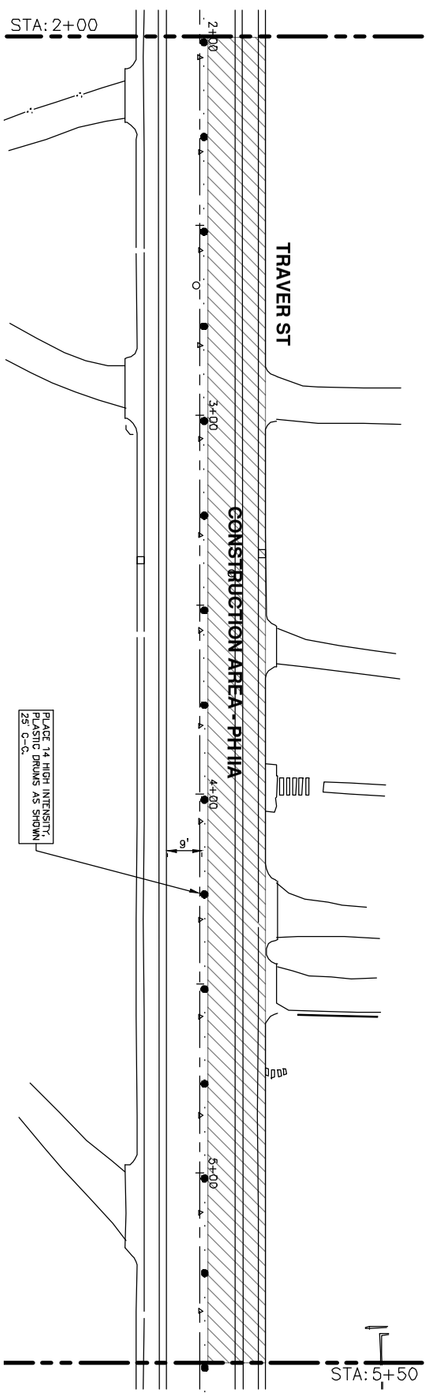
TRAFFIC CONTROL

TRAVER STREET - PHASE IIA

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA





SHEET No. 12 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE : 1" = 20'

DRAWING No. 2018024-12

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

TRAFFIC CONTROL

TRAVER STREET - PHASE IIA

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA

ROAD WORK AHEAD
W20-1
36"x36"

TRAVER RD
D3-1
36"x6"

W20-7A
36"x36"

BE PREPARED TO STOP
W3-4
36"x36"

W11-1
30"x30"

SHARE THE ROAD
W16-1P
18"x24"

END ROAD WORK
G20-2
48"x24"

100'

BARTON DR

PLACE 7 HIGH INTENSITY, PLASTIC DRUMS AS SHOWN

PLACE 5 HIGH INTENSITY, PLASTIC DRUMS AS SHOWN 25' C-C.

LOCAL TRAFFIC ONLY
R11-5
24"x24"

TRAVER RD

CONSTRUCTION AREA - PH IIA

10+00

11+00

9+00

STA: 9+00

15'

9'

TRAFFIC REGULATOR CONTROL

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	MDOT & SUBMITTAL	10-8-2018	KBJDF,GC	JKA
01	OUT FOR BID	2-21-2019	KBJDF,GC	JKA

CITY OF ANN ARBOR
PUBLIC SERVICES
301 E. HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
(734) 794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

TRAFFIC CONTROL

TRAVER STREET - PHASE IIA

SCALE : 1" = 20'

DRAWING No.
2018024-13

SHEET No.
13 OF 34

R:\2018024 Northside STEAM SRTS\Plan Production\2018024Mtrf.dwg Dwg Created: 19-Feb-19 - _a2 standard bw.stb - Plot Date: 21-Feb-19

PEAR ST

TRAVER ST

LOCAL TRAFFIC ONLY
R11–5
24"x24"

PEACH ST

ROAD CLOSED AHEAD
W20–3
36"x36"

ROAD CLOSED
R11–2
48"x30"

JOHN A WOODS DR.

PLACE 15 HIGH INTENSITY, PLASTIC DRUMS AS SHOWN

PLACE 6 HIGH INTENSITY, PLASTIC DRUMS AS SHOWN 25' C–C.

END ROAD WORK
G20–2
48"x24"

TRAVER ST

CONSTRUCTION AREA - PH IIB

0+00 1+00 2+00

STA: 2+00

9'

100' 100' 100'

ROAD WORK AHEAD
W20–1
36"x36"

BE PREPARED TO STOP
W3–4
36"x36"

TRAFFIC REGULATOR CONTROL

PLACE 3 HIGH INTENSITY, PLASTIC DRUMS AS SHOWN 25' C–C.

BE PREPARED TO STOP
W3–4
36"x36"

W20–7A
36"x36"

ROAD WORK AHEAD
W20–1
36"x36"

TRAVER ST

TRAFFIC REGULATOR CONTROL

100' 100' 100'

2+00 3+00 4+00 5+00

STA: 2+00

PLACE 4 HIGH INTENSITY, PLASTIC DRUMS AS SHOWN 25' C–C.

END ROAD WORK
G20–2
48"x24"

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2–21–2019	KBJDF,CC	JKA
00	MDOT & SUBMITTAL	10–8–2018	KBJDF,CC	JKA

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
(734) 794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

TRAFFIC CONTROL

TRAVER STREET - PHASE IIB

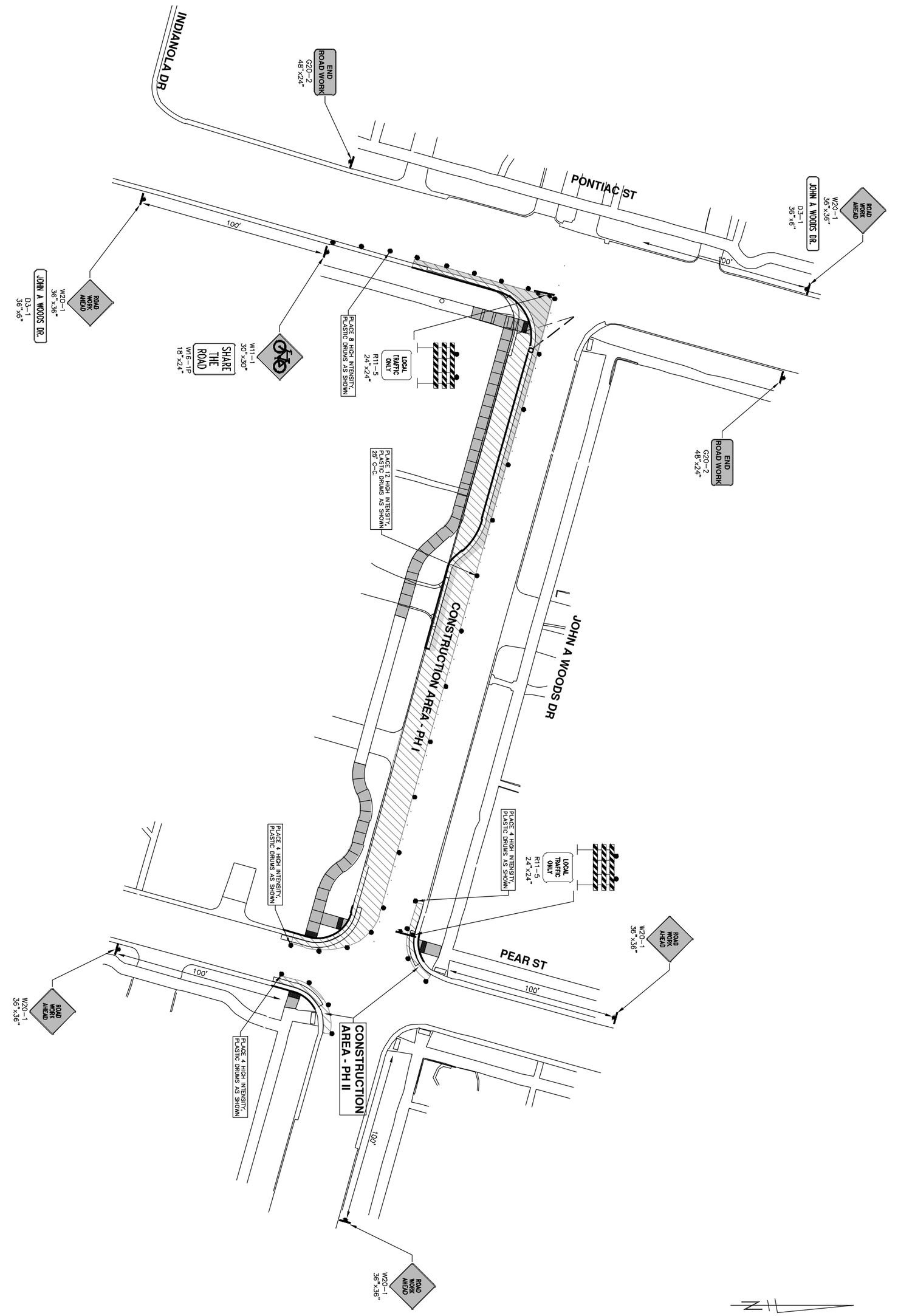
SCALE : 1" = 20'

DRAWING No.
2018024-14

SHEET No.
14 OF 34

R:\2018024 Northside STEAM SRTS\Plan Production\2018024Mtrf.dwg Dwg Created: 19-Feb-19 _a2 standard bw.stb - Plot Date: 21-Feb-19

R:\2018024 Northside STEAM SRTS\Plan Production\2018024Mtrf.dwg Dwg Created: 19-Feb-19 - _a2 standard bw.stb - Plot Date: 21-Feb-19



01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA	
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA	
REV.	DESCRIPTION	DATE	DRAWN	CHECKED	

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

TRAFFIC CONTROL

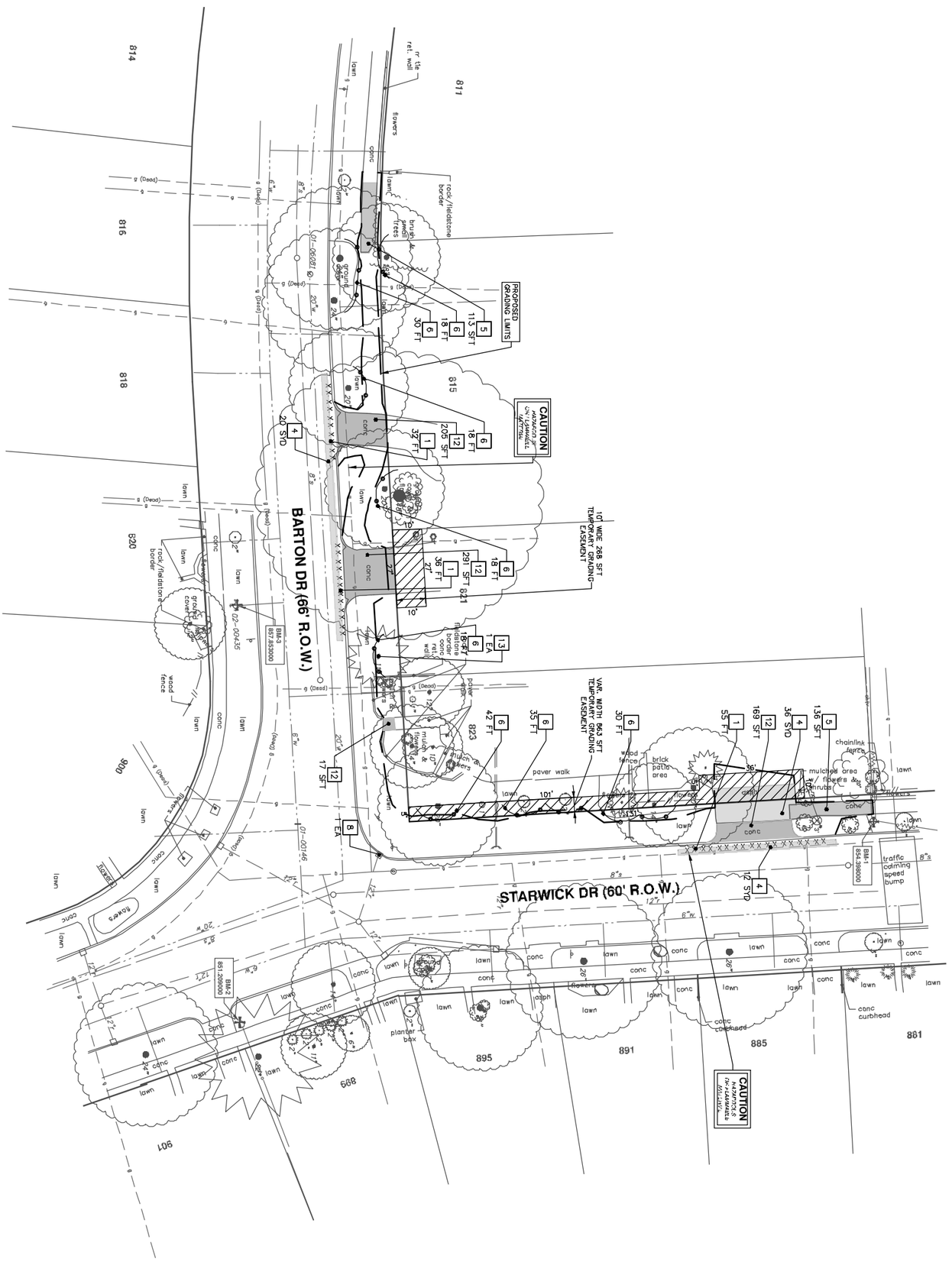
JOHN A WOODS DRIVE - PHASE I & II

SCALE PLAN: 1" = 20'

DRAWING No. 2018024-15

SHEET No. 15 OF 34

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



KEY	REMOVAL KEY DESCRIPTION
1	_CURB AND GUTTER, REM, MODIFIED* (FT)
2	STUMP, REM, 6 INCH TO 18 INCH (EA)
3	STUMP, REM, 19 INCH TO 36 INCH (EA)
4	HMA SURFACE, REM* (SYD)
5	_SIDEWALK, REM, MODIFIED* (SFT)
6	FENCE, PROTECTIVE (FT)
7	_CURB, REM, MODIFIED (FT)
8	_EROSION CONTROL, INLET FILTER
9	EROSION CONTROL, SILT FENCE
10	SEWER, REM, LESS THAN 24 INCH (FT)
11	DR STRUCTURE, REM (EA)
12	_DRIVEWAY APPROACH, REM, MODIFIED* (SFT)
13	TRIMMING TREE (EA)
RBO	REMOVE BY OTHERS

*SAWCUT FULL DEPTH AT REMOVAL LIMITS

SHEET No. 16 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20'

DRAWING No. 2018024-16

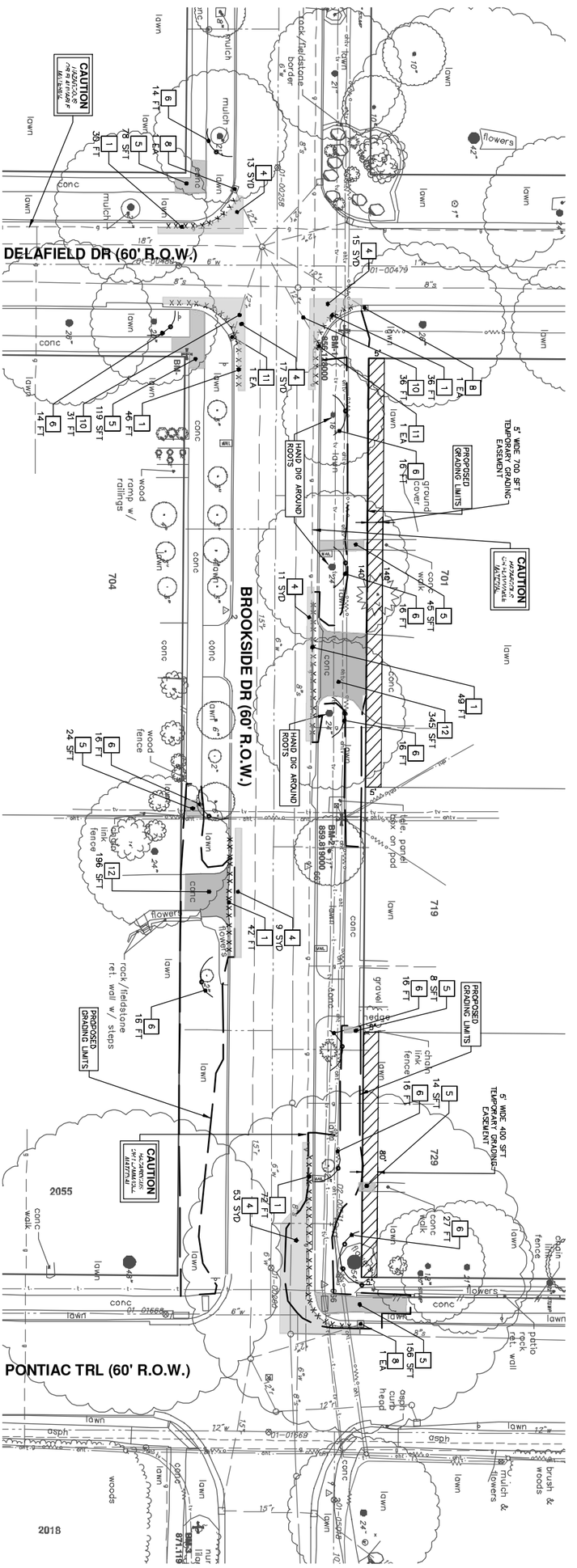
NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

REMOVALS

BARTON DRIVE

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA



KEY	DESCRIPTION
1	_CURB AND GUTTER, REM, MODIFIED* (FT)
2	STUMP, REM, 6 INCH TO 18 INCH (EA)
3	STUMP, REM, 19 INCH TO 36 INCH (EA)
4	HMA SURFACE, REM* (SYD)
5	_SIDEWALK, REM, MODIFIED* (SFT)
6	FENCE, PROTECTIVE (FT)
7	_CURB, REM, MODIFIED (FT)
8	_EROSION CONTROL, INLET FILTER
9	EROSION CONTROL, SILT FENCE
10	SEWER, REM, LESS THAN 24 INCH (FT)
11	DR STRUCTURE, REM (EA)
12	_DRIVEWAY APPROACH, REM, MODIFIED* (SFT)
13	TRIMMING TREE (EA)
R&O	REMOVE BY OTHERS

REMOVAL KEY

*SAWCUT FULL DEPTH AT REMOVAL LIMITS

SHEET No. 17 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20'

DRAWING No. 2018024-17

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

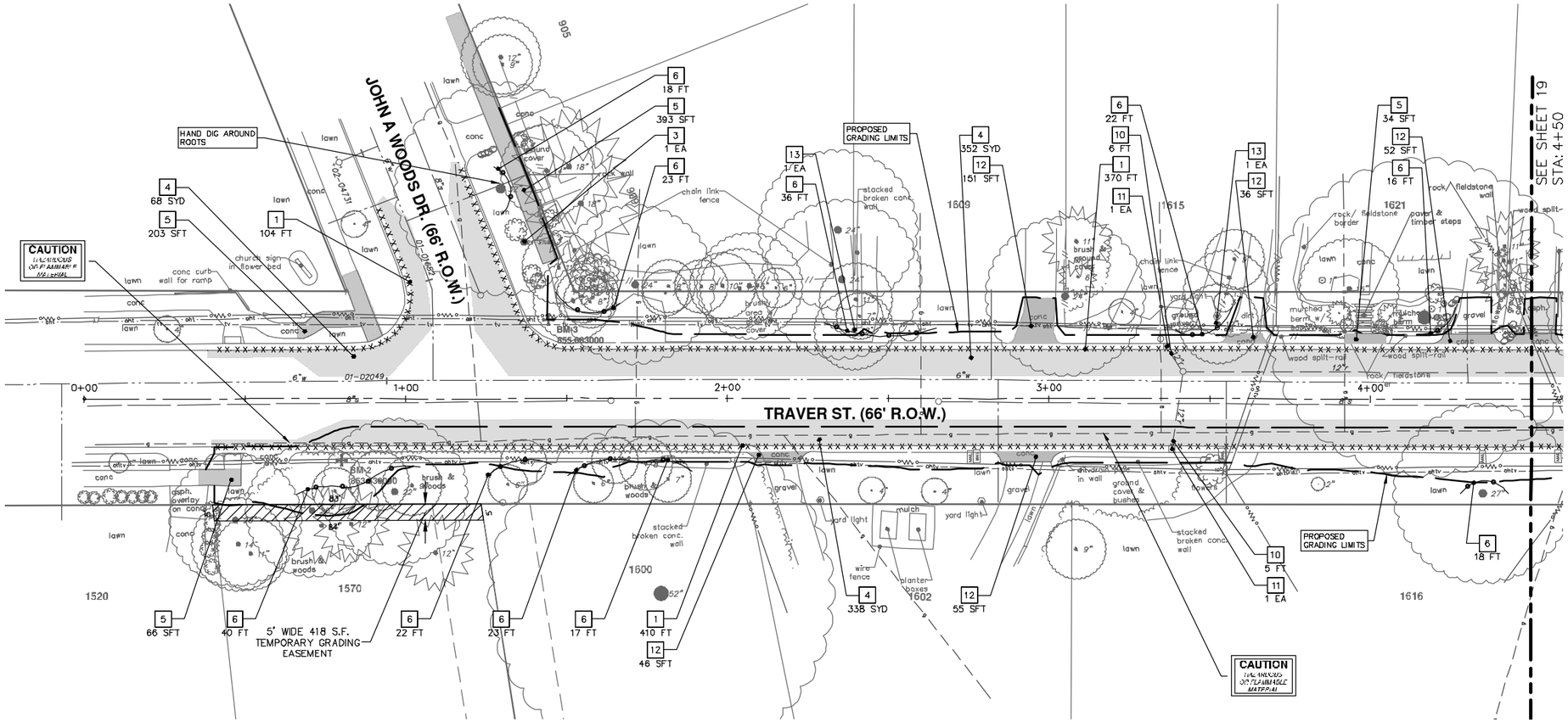
REMOVALS

BROOKSIDE DRIVE

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA

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



REMOVAL KEY

KEY	DESCRIPTION
1	_CURB AND GUTTER, REM, MODIFIED* (FT)
2	STUMP, REM, 6 INCH TO 18 INCH (EA)
3	STUMP, REM, 19 INCH TO 36 INCH (EA)
4	HMA SURFACE, REM* (SYD)
5	_SIDEWALK, REM, MODIFIED* (SFT)
6	FENCE, PROTECTIVE (FT)
7	_CURB, REM, MODIFIED (FT)
8	_EROSION CONTROL, INLET FILTER
9	EROSION CONTROL, SILT FENCE
10	SEWER, REM, LESS THAN 24 INCH (FT)
11	DR STRUCTURE, REM (EA)
12	_DRIVEWAY APPROACH, REM, MODIFIED* (SFT)
13	TRIMMING TREE (EA)
RBO	REMOVE BY OTHERS

*SAWCUT FULL DEPTH AT REMOVAL LIMITS

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	MDOT G SUBMITTAL	10-8-2018	KBJDF,GC	JKA
01	OUT FOR BID	2-21-2019	KBJDF,GC	JKA

CITY OF ANN ARBOR
PUBLIC SERVICES
301 E. HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
(734) 794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

REMOVALS

TRAVER STREET

SCALE PLAN: 1" = 20'

DRAWING No. 2018024-18

SHEET No. 18 OF 34

R:\2018024 Northside STEAM SRTS\Plan Production\2018024 Traver Rem.dwg Dwg Created: 21-Feb-19 -- _a2 standard bw.stb - Plot Date: 21-Feb-19

REMOVAL KEY

KEY	DESCRIPTION
1	_CURB AND GUTTER, REM, MODIFIED* (FT)
2	STUMP, REM, 6 INCH TO 18 INCH (EA)
3	STUMP, REM, 19 INCH TO 36 INCH (EA)
4	HMA SURFACE, REM* (SYD)
5	_SIDEWALK, REM, MODIFIED* (SFT)
6	FENCE, PROTECTIVE (FT)
7	_CURB, REM, MODIFIED (FT)
8	_EROSION CONTROL, INLET FILTER
9	EROSION CONTROL, SILT FENCE
10	SEWER, REM, LESS THAN 24 INCH (FT)
11	DR STRUCTURE, REM (EA)
12	_DRIVEWAY APPROACH, REM, MODIFIED* (SFT)
13	TRIMMING TREE (EA)
RBO	REMOVE BY OTHERS

*SAWCUT FULL DEPTH AT REMOVAL LIMITS

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

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	MDOT G SUBMITTAL	10-8-2018	KBJ/DF/JC	JKA
01	OUT FOR BID	2-21-2019	KBJ/DF/JC	JKA

CITY OF ANN ARBOR
PUBLIC SERVICES
301 E. HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
(734) 794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20'

DRAWING No. 2018024-19

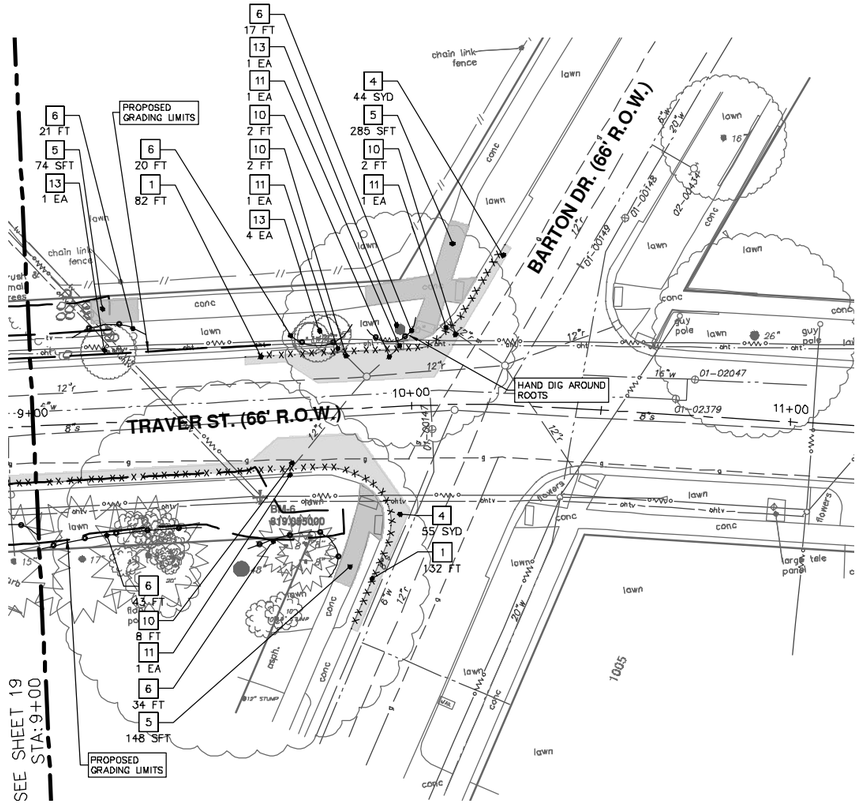
SHEET No. 19 OF 34

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

REMOVALS

TRAVER STREET

R:\2018024 Northside STEAM SRTS\Plan Production\2018024 Traver Rem.dwg Dwg Created: 21-Feb-19 — _a2 standard bw.stb - Plot Date: 21-Feb-19



REMOVAL KEY

KEY	DESCRIPTION
1	_CURB AND GUTTER, REM, MODIFIED* (FT)
2	STUMP, REM, 6 INCH TO 18 INCH (EA)
3	STUMP, REM, 19 INCH TO 36 INCH (EA)
4	HMA SURFACE, REM* (SYD)
5	_SIDEWALK, REM, MODIFIED* (SFT)
6	FENCE, PROTECTIVE (FT)
7	_CURB, REM, MODIFIED (FT)
8	_EROSION CONTROL, INLET FILTER
9	EROSION CONTROL, SILT FENCE
10	SEWER, REM, LESS THAN 24 INCH (FT)
11	DR STRUCTURE, REM (EA)
12	_DRIVEWAY APPROACH, REM, MODIFIED* (SFT)
13	TRIMMING TREE (EA)
RBO	REMOVE BY OTHERS

*SAWCUT FULL DEPTH AT REMOVAL LIMITS

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	MDOT G SUBMITTAL	10-8-2018	KBJDF,GC	JKA
01	OUT FOR BID	2-21-2019	KBJDF,GC	JKA

CITY OF ANN ARBOR
PUBLIC SERVICES
301 E. HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
(734) 794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

REMOVALS

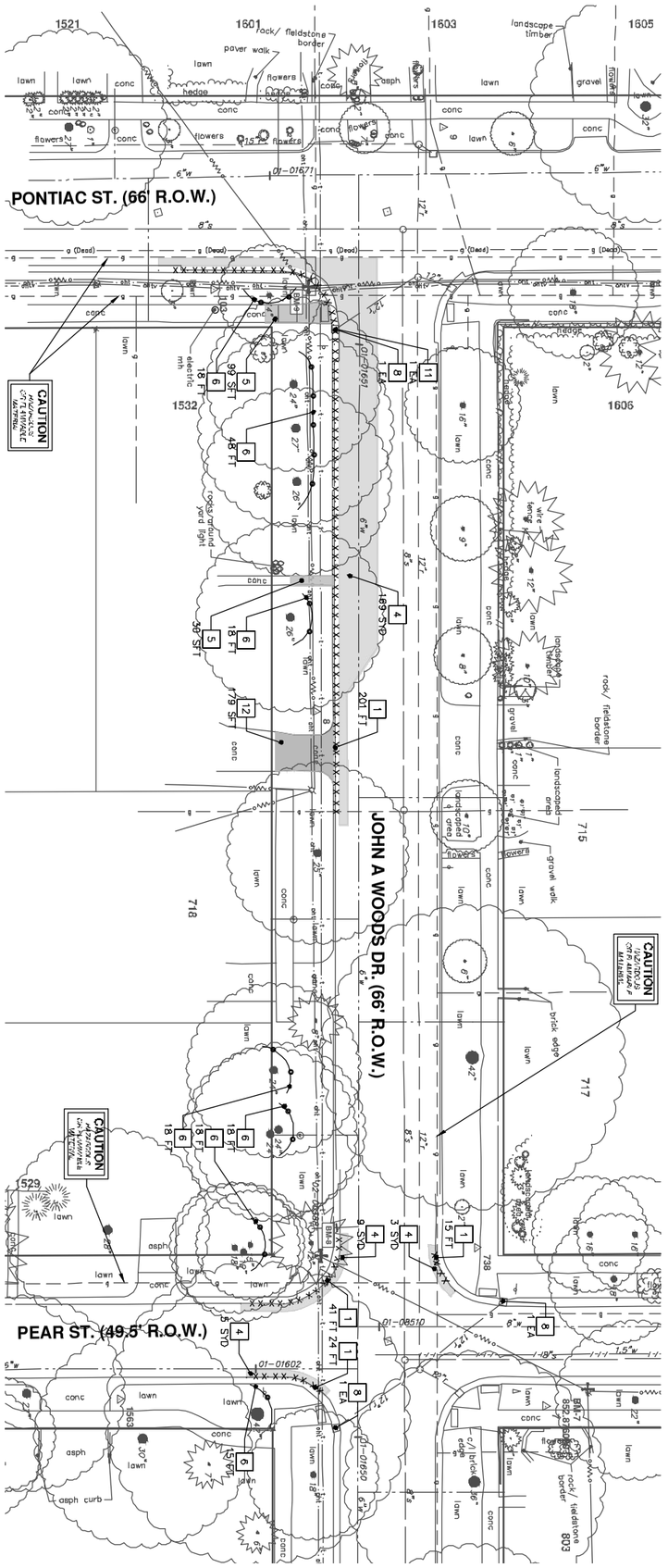
TRAVER STREET

SCALE PLAN: 1" = 20'

DRAWING No. 2018024-20

SHEET No. 20 OF 34

R:\2018024 Northside STEAM SRTS\Plan Production\2018024 Traver Rem.dwg Dwg Created: 21-Feb-19 -- _a2 standard bw.stb -- Plot Date: 21-Feb-19



KEY	REMOVAL KEY DESCRIPTION
1	_CURB AND GUTTER, REM, MODIFIED* (FT)
2	STUMP, REM, 6 INCH TO 18 INCH (EA)
3	STUMP, REM, 19 INCH TO 36 INCH (EA)
4	HMA SURFACE, REM* (SYD)
5	_SIDEWALK, REM, MODIFIED* (SFT)
6	FENCE, PROTECTIVE (FT)
7	_CURB, REM, MODIFIED (FT)
8	_EROSION CONTROL, INLET FILTER
9	EROSION CONTROL, SILT FENCE
10	SEWER, REM, LESS THAN 24 INCH (FT)
11	DR STRUCTURE, REM (EA)
12	_DRIVEWAY APPROACH, REM, MODIFIED* (SFT)
13	TRIMMING TREE (EA)
RBD	REMOVE BY OTHERS

*SAWCUT FULL DEPTH AT REMOVAL LIMITS

SHEET No. 21 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20'

DRAWING No. 2018024-21

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

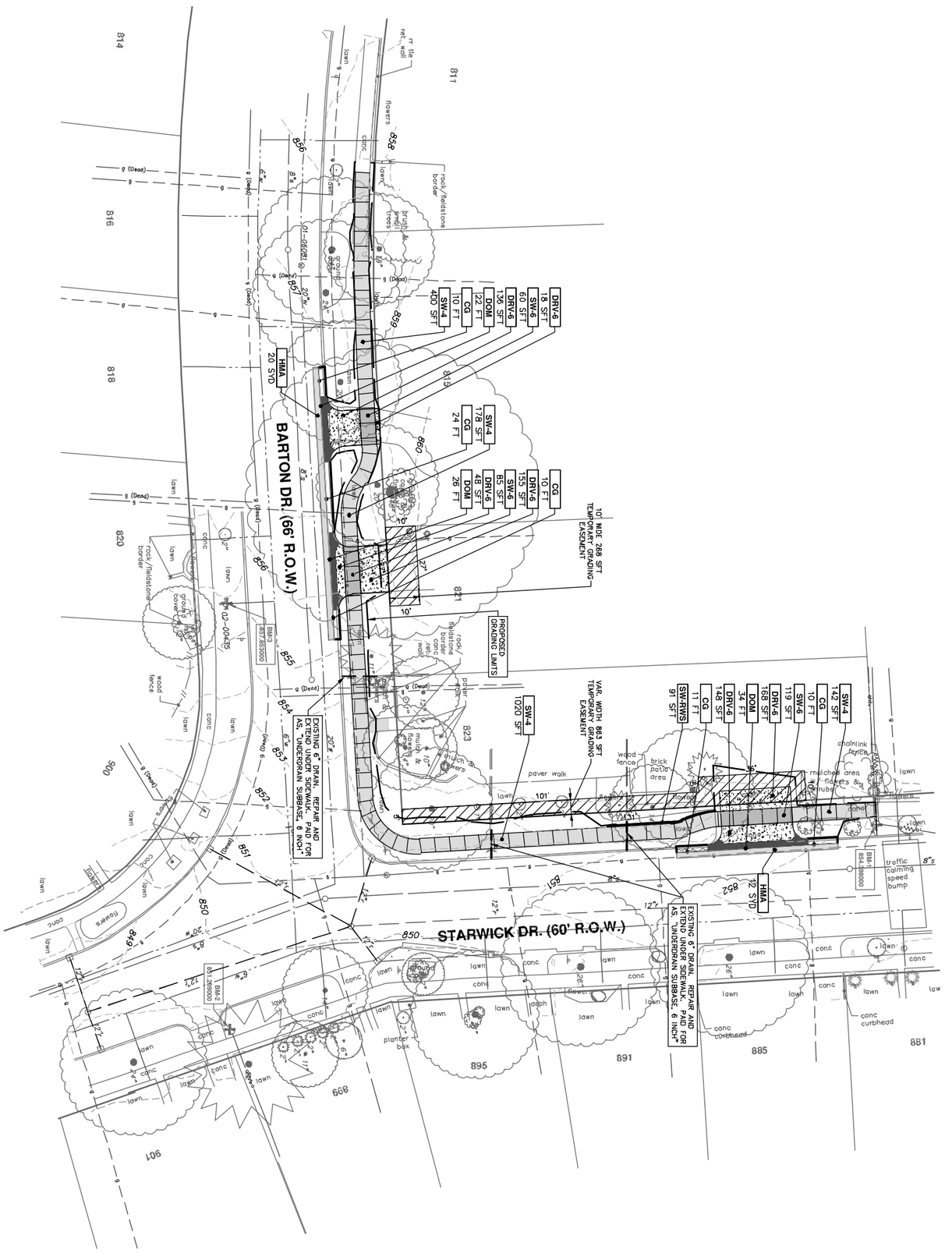
REMOVALS

JOHN A. WOODS DRIVE

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA

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



CONSTRUCTION KEY	
KEY	DESCRIPTION
HMA	HAND PATCHING
DRV-6	CONCRETE DRIVE APPROACH, NONREINFORCED, F-NC, 6 INCH (SFT)
DOM	DRIVEWAY OPENING, CONC, DETAIL M, F-NC (FT)
CG	CURB AND GUTTER, CONC, DET F4, SPECIAL (FT)
CRO	CURB RAMP OPENING, CONC. (FT)
SW-RWS	INTEGRAL SIDEWALK RETAINING WALL, 6" TO 18" (SFT)
SW-RWT	INTEGRAL SIDEWALK RETAINING WALL, 19" TO 36" (SFT)
DWS	DETECTABLE WARNING TILES (SFT)
SWR-6	SIDEWALK RAMP, CONC, 6 INCH, F-NC, ADA, MODIFIED (SFT)
SW-4	SIDEWALK, CONCRETE, 4 INCH, SPECIAL (SFT)
SW-6	SIDEWALK, CONCRETE, 6 INCH, SPECIAL (SFT)

SHEET No. 22 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20'

DRAWING No. 2018024-22

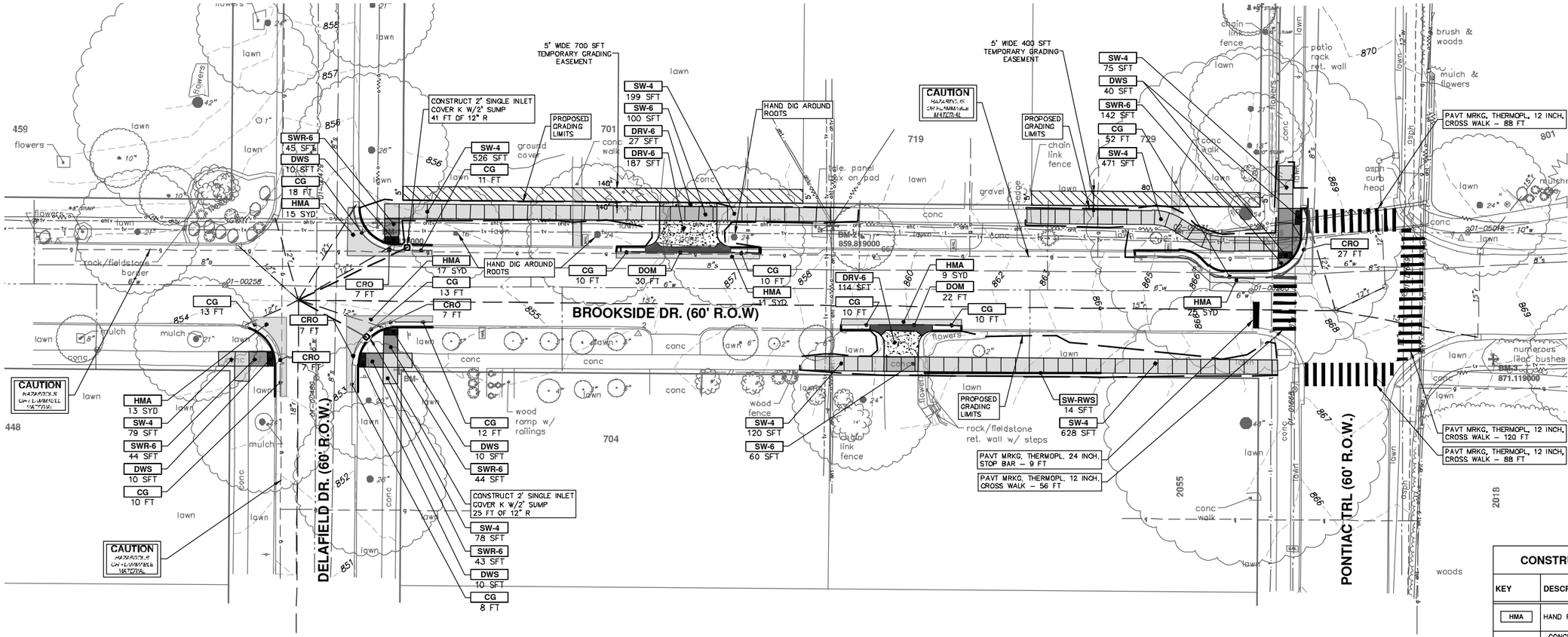
NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

PROPOSED SIDEWALK

BARTON DRIVE

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA



CONSTRUCTION KEY

KEY	DESCRIPTION
HMA	HAND PATCHING
DRV-6	_CONCRETE DRIVE APPROACH, NONREINFORCED, P-NC, 6 INCH (SFT)
DOM	_DRIVEWAY OPENING, CONC, DETAIL M, P-NC (FT)
CG	_CURB AND GUTTER, CONC, DET F4, SPECIAL (FT)
CRO	_CURB RAMP OPENING, CONC. (FT)
SW-RWS	_INTEGRAL SIDEWALK RETAINING WALL, 6" TO 18" (SFT)
SW-RWT	_INTEGRAL SIDEWALK RETAINING WALL, 19" TO 36" (SFT)
DWS	_DETECTABLE WARNING TILES (SFT)
SWR-6	_SIDEWALK RAMP, CONC, 6 INCH, P-NC, ADA, MODIFIED (SFT)
SW-4	_SIDEWALK, CONCRETE, 4 INCH, SPECIAL (SFT)
SW-6	_SIDEWALK, CONCRETE, 6 INCH, SPECIAL (SFT)

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	MDOT G SUBMITTAL	10-8-2018	KBJF,GC	JKA
01	OUT FOR BID	2-21-2019	KBJF,GC	JKA

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
(734) 794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

PROPOSED SIDEWALK

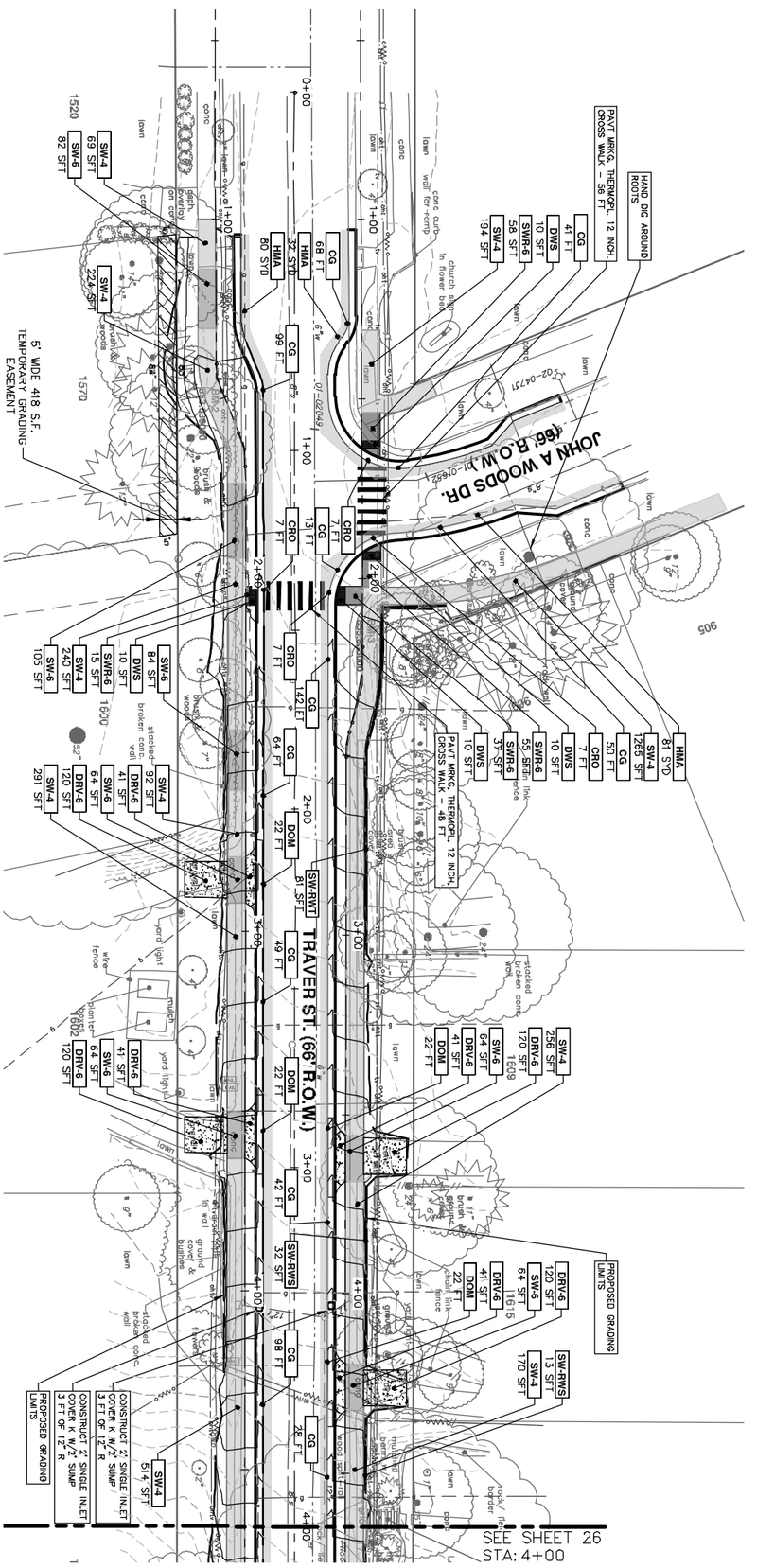
BROOKSIDE DRIVE

SCALE PLAN: 1" = 20'

DRAWING No. 2018024-23

SHEET No. 23 OF 34

R:\2018024 Northside STEAM SRTS\Plan Production\2018024 Brookside PPSW.dwg Dwg Created: 19-Feb-19 – _a2 standard bw.stb – Plot Date: 21-Feb-19



CONSTRUCTION KEY	
KEY	DESCRIPTION
HMA	HAND PATCHING
DRV-6	CONCRETE, DRIVE, APPROACH, NONREINFORCED, P-NC, 6 INCH (SFT)
DOM	DRIVEWAY OPENING, CONC, DETAIL N, P-NC (FT)
CG	CURB AND GUTTER, CONC, DET F4, SPECIAL (FT)
CRO	CURB RAMP OPENING, CONC (FT)
SW-RWS	INTEGRAL SIDEWALK RETAINING WALL, 6" TO 18" (SFT)
SW-RWT	INTEGRAL SIDEWALK RETAINING WALL, 19" TO 36" (SFT)
DWS	DETECTABLE WARNING TILES (SFT)
SWR-6	SIDEWALK RAMP, CONC, 6 INCH, P-NC, ADA, MODIFIED (SFT)
SW-4	SIDEWALK, CONCRETE, 4 INCH, SPECIAL (SFT)
SW-6	SIDEWALK, CONCRETE, 6 INCH, SPECIAL (SFT)

SHEET No. 24 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20'

DRAWING No. 2018024-24

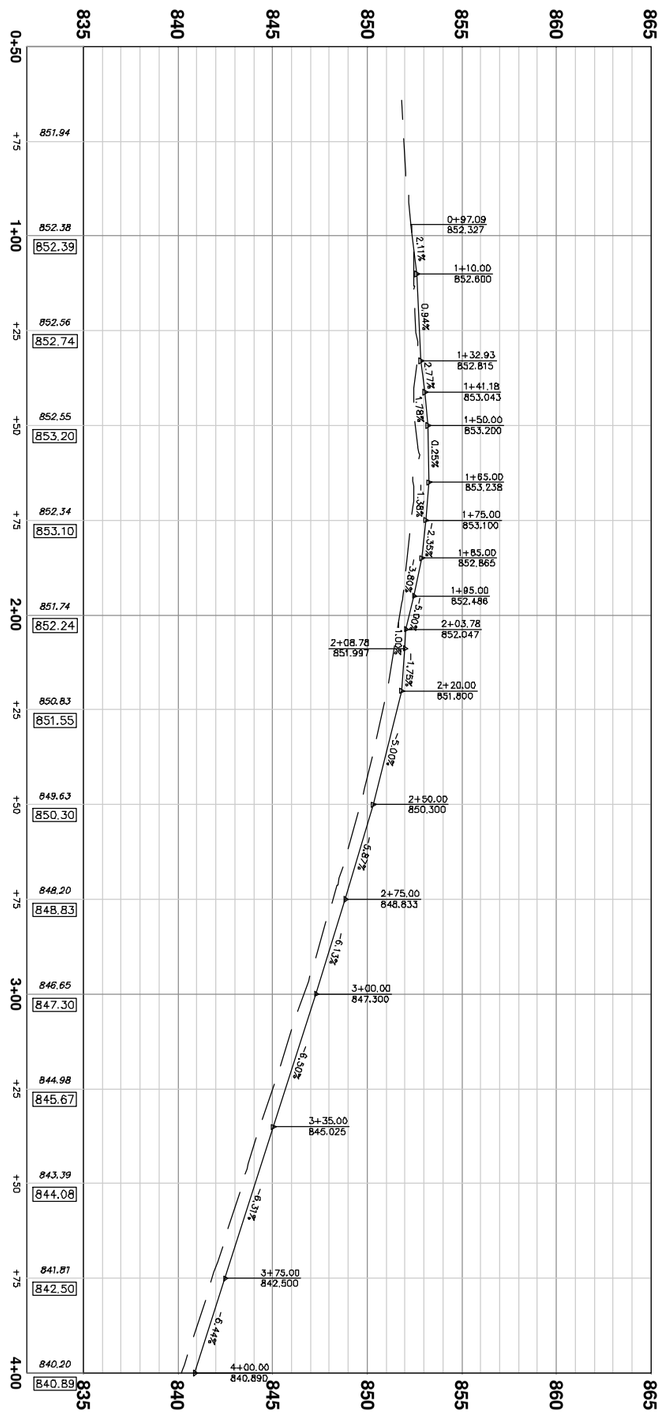
NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

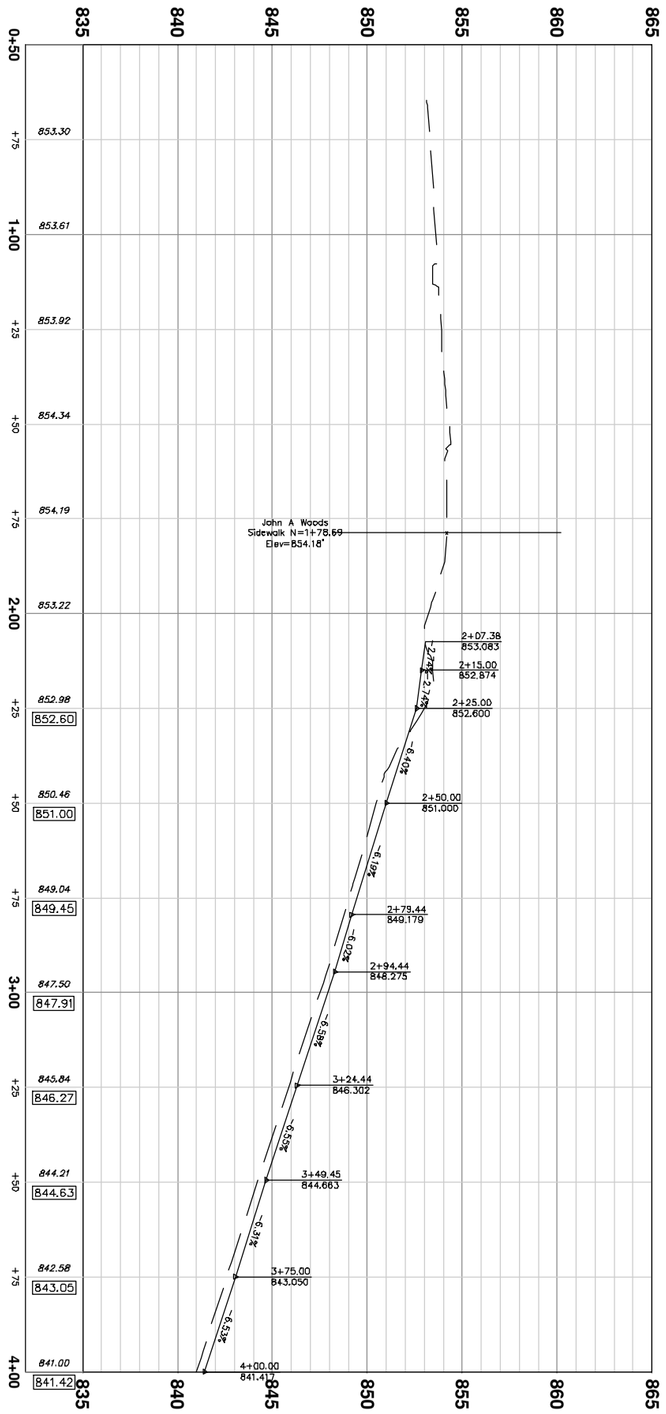
PROPOSED SIDEWALK

TRAVER STREET

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA





01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA
REV.	DESCRIPTION	DATE	DRAWN	CHECKED

SHEET No.
25 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20' PROFILE: 1" = 2'

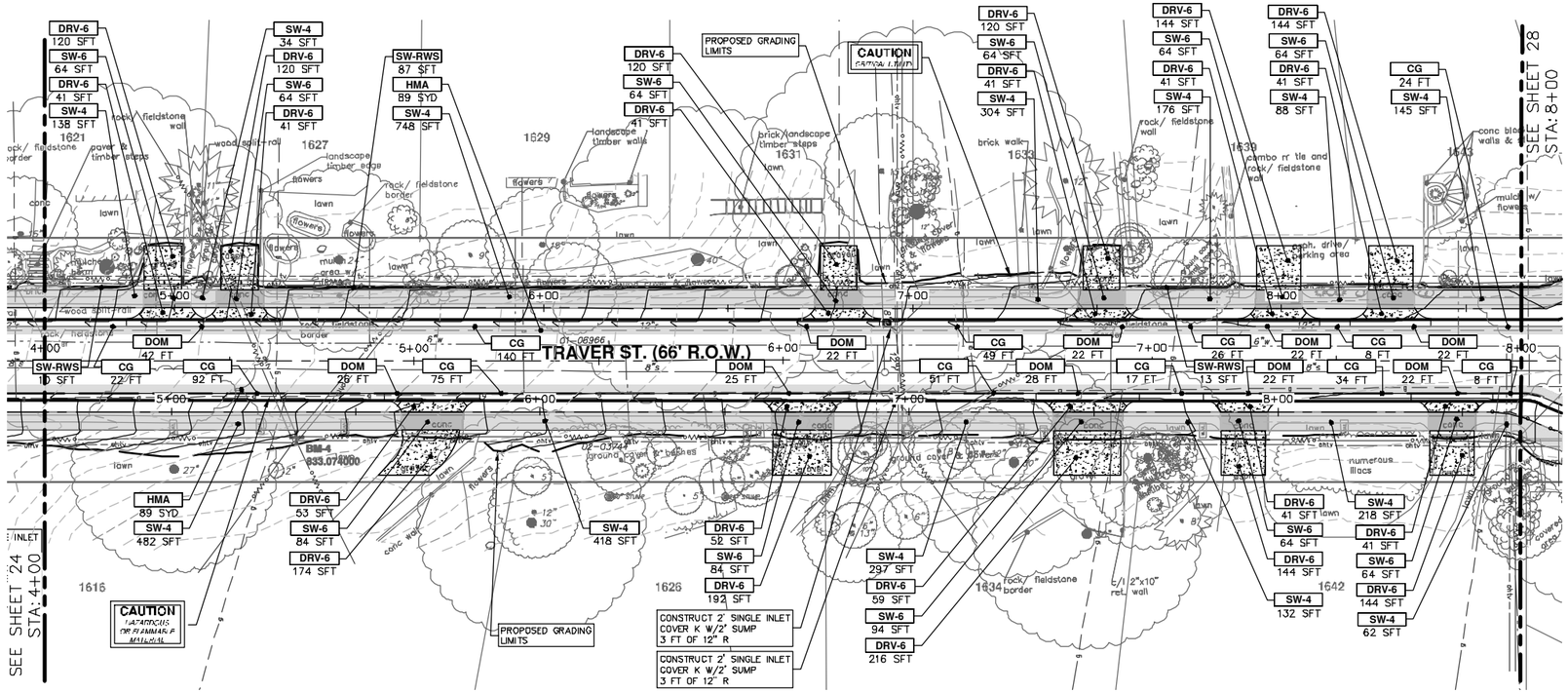
DRAWING No.
2018024-25

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

PROPOSED SIDEWALK

TRAVER STREET PROFILES

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org



CONSTRUCTION KEY

KEY	DESCRIPTION
HMA	HAND PATCHING
DRV-6	_CONCRETE DRIVE APPROACH, NONREINFORCED, P-NC, 6 INCH (SFT)
DOM	_DRIVEWAY OPENING, CONC, DETAIL M, P-NC (FT)
CG	_CURB AND GUTTER, CONC, DET F4, SPECIAL (FT)
CRO	_CURB RAMP OPENING, CONC. (FT)
SW-RWS	_INTEGRAL SIDEWALK RETAINING WALL, 6" TO 18" (SFT)
SW-RWT	_INTEGRAL SIDEWALK RETAINING WALL, 19" TO 36" (SFT)
DWS	_DETECTABLE WARNING TILES (SFT)
SWR-6	_SIDEWALK RAMP, CONC, 6 INCH, P-NC, ADA, MODIFIED (SFT)
SW-4	_SIDEWALK, CONCRETE, 4 INCH, SPECIAL (SFT)
SW-6	_SIDEWALK, CONCRETE, 6 INCH, SPECIAL (SFT)

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

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KBJDF,GC	JKA
00	MDOT & SUBMITTAL	10-8-2018	KBJDF,GC	JKA

CITY OF ANN ARBOR
PUBLIC SERVICES
301 E. HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
(734) 794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

PROPOSED SIDEWALK

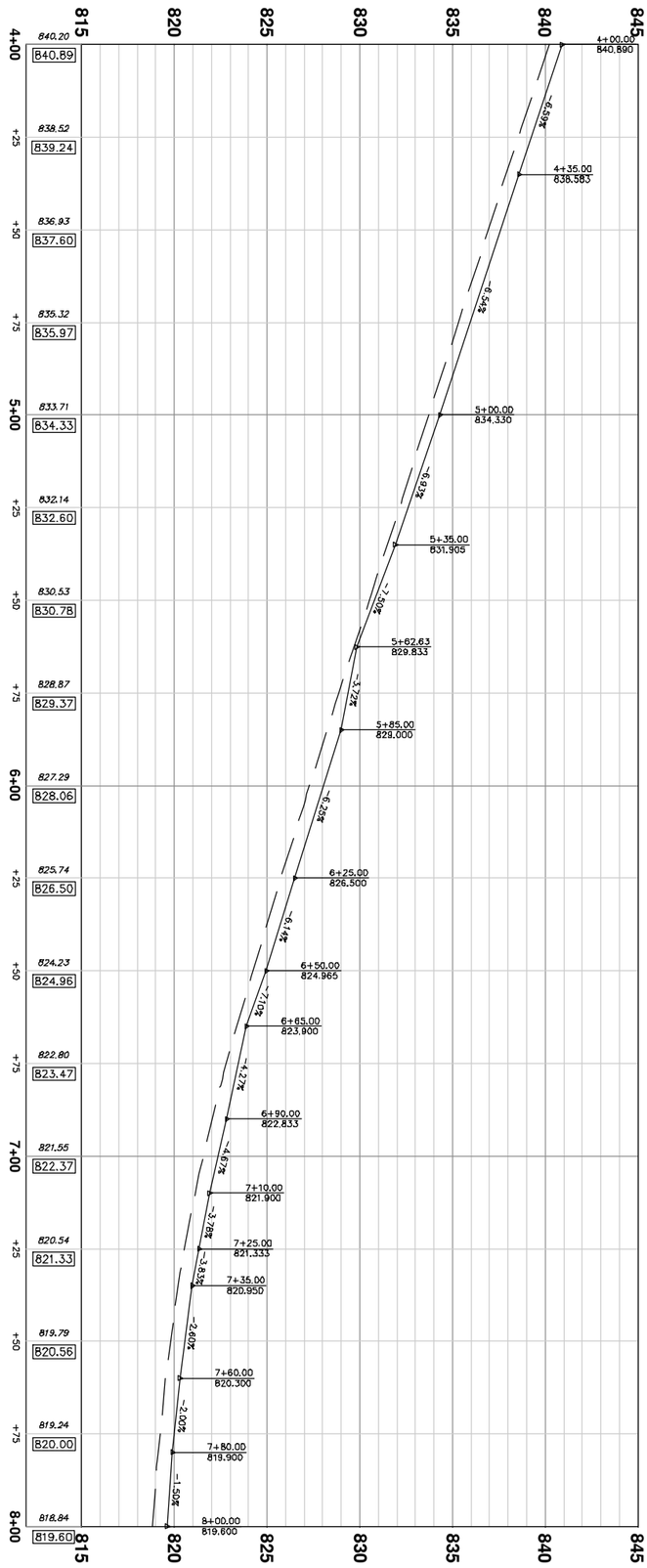
TRAVER STREET

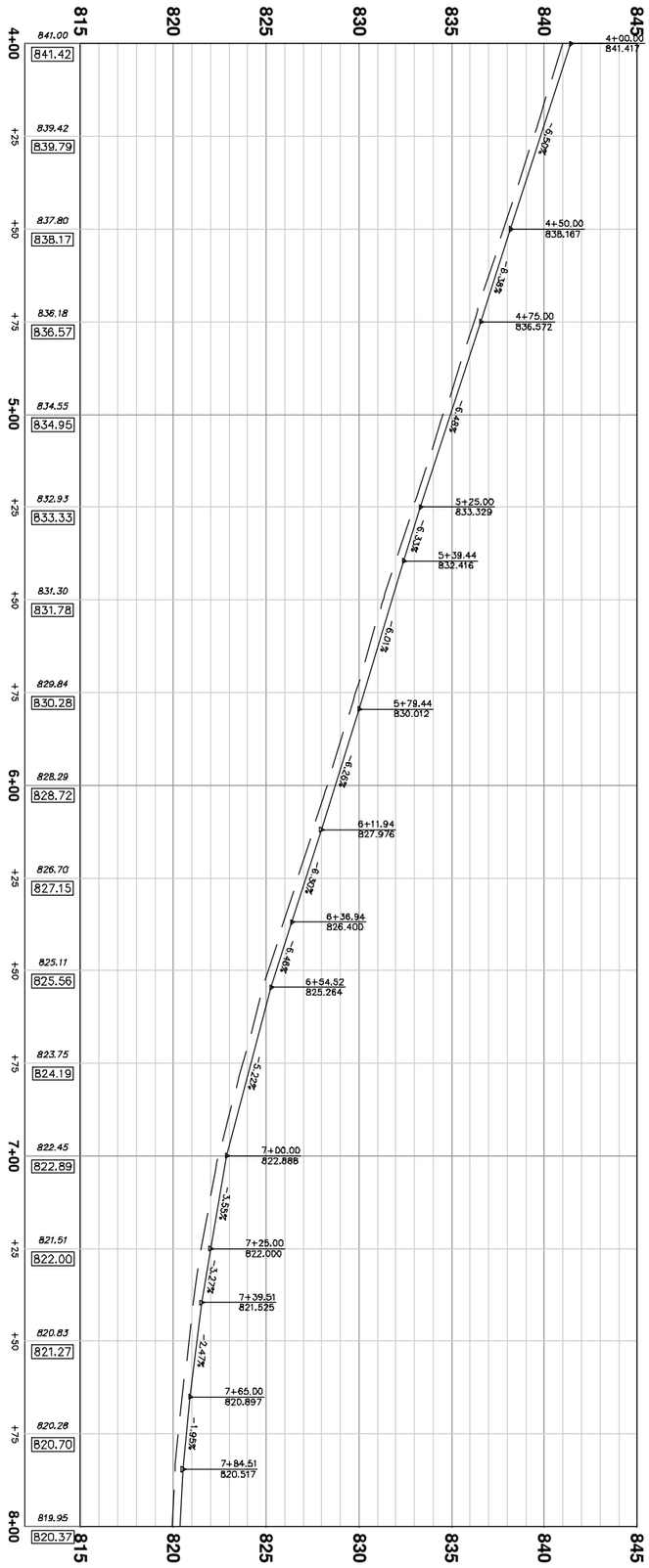
SCALE PLAN: 1" = 20'

DRAWING No. 2018024-26

SHEET No. 26 OF 34

R:\2018024 Northside STEAM SRTS\Plan Production\2018024 Traver PPSW.dwg Dwg Created: 20-Feb-19 — _a2 standard bw.stb — Plot Date: 21-Feb-19





SHEET No. 27 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20' PROFILE: 1" = 2'

DRAWING No. 2018024-27

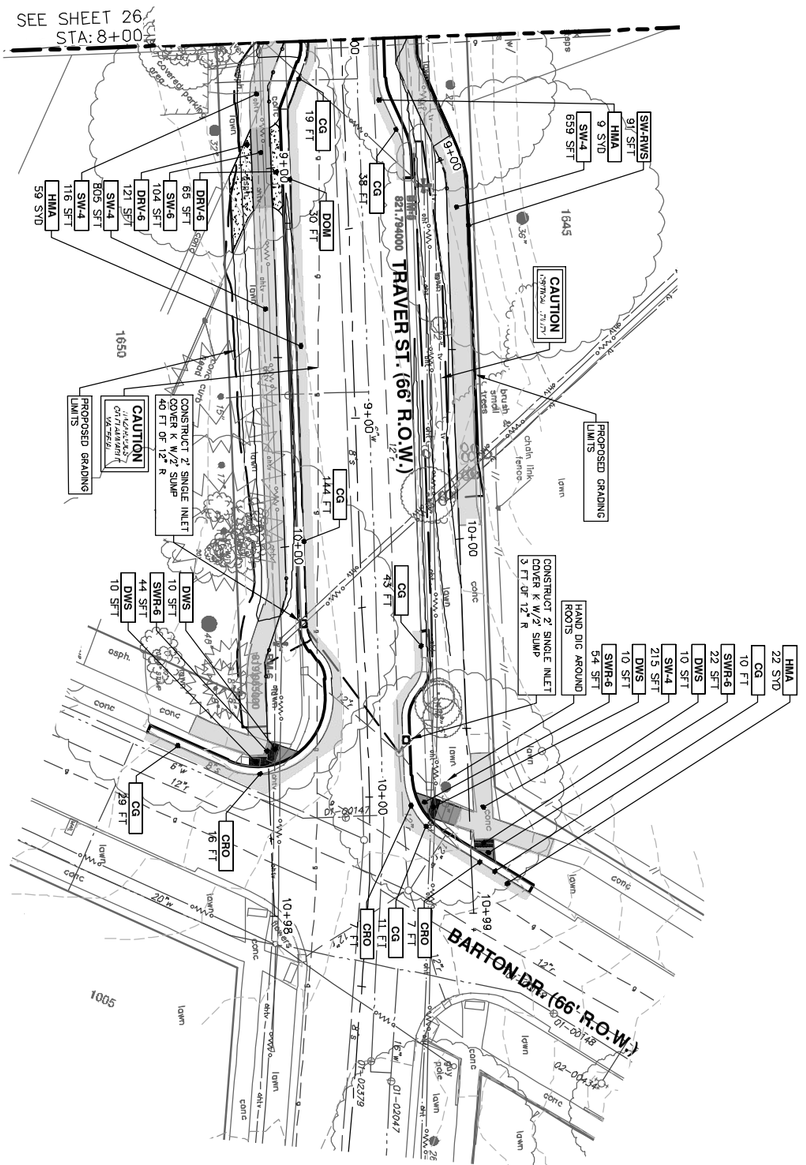
NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

PROPOSED SIDEWALK

TRAVER STREET PROFILES

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA



KEY	DESCRIPTION
HMA	HAND PATCHING
DRV-6	CONCRETE DRIVE APPROACH, NONREINFORCED, P-NC, 6 INCH (SFT)
DOM	DRIVEWAY OPENING, CONC, DETAIL M, P-NC (FT)
CG	CURB AND GUTTER, CONC, DET F4, SPECIAL (FT)
CRO	CURB RAMP OPENING, CONC. (FT)
SW-RWS	INTEGRAL SIDEWALK RETAINING WALL, 6" TO 18" (SFT)
SW-RWT	INTEGRAL SIDEWALK RETAINING WALL, 19" TO 36" (SFT)
DWS	DETECTABLE WARNING TILES (SFT)
SWR-6	SIDEWALK RAMP, CONC, 6 INCH, P-NC, ADA, MODIFIED (SFT)
SW-4	SIDEWALK, CONCRETE, 4 INCH, SPECIAL (SFT)
SW-6	SIDEWALK, CONCRETE, 6 INCH, SPECIAL (SFT)

CONSTRUCTION KEY

SHEET No.
28 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20'

DRAWING No.
2018024-28

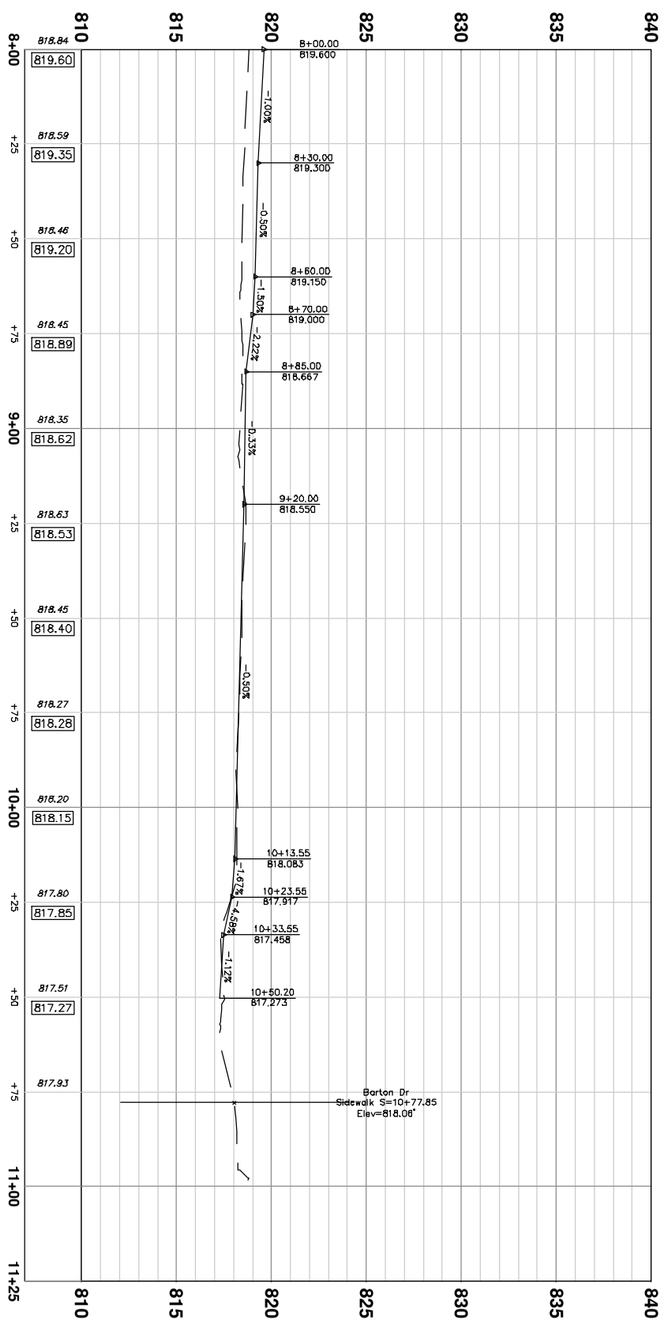
NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

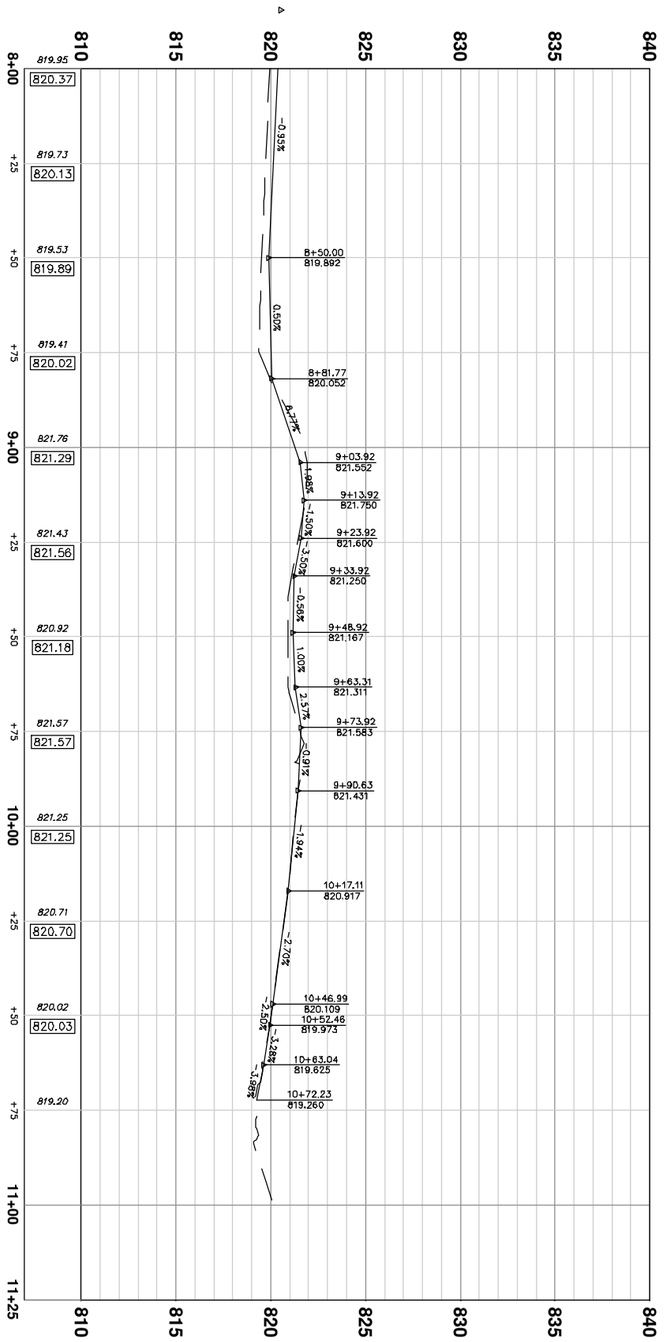
PROPOSED SIDEWALK

TRAVER STREET

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA





01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA
REV.	DESCRIPTION	DATE	DRAWN	CHECKED

SHEET No. 29 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20' PROFILE: 1" = 2'

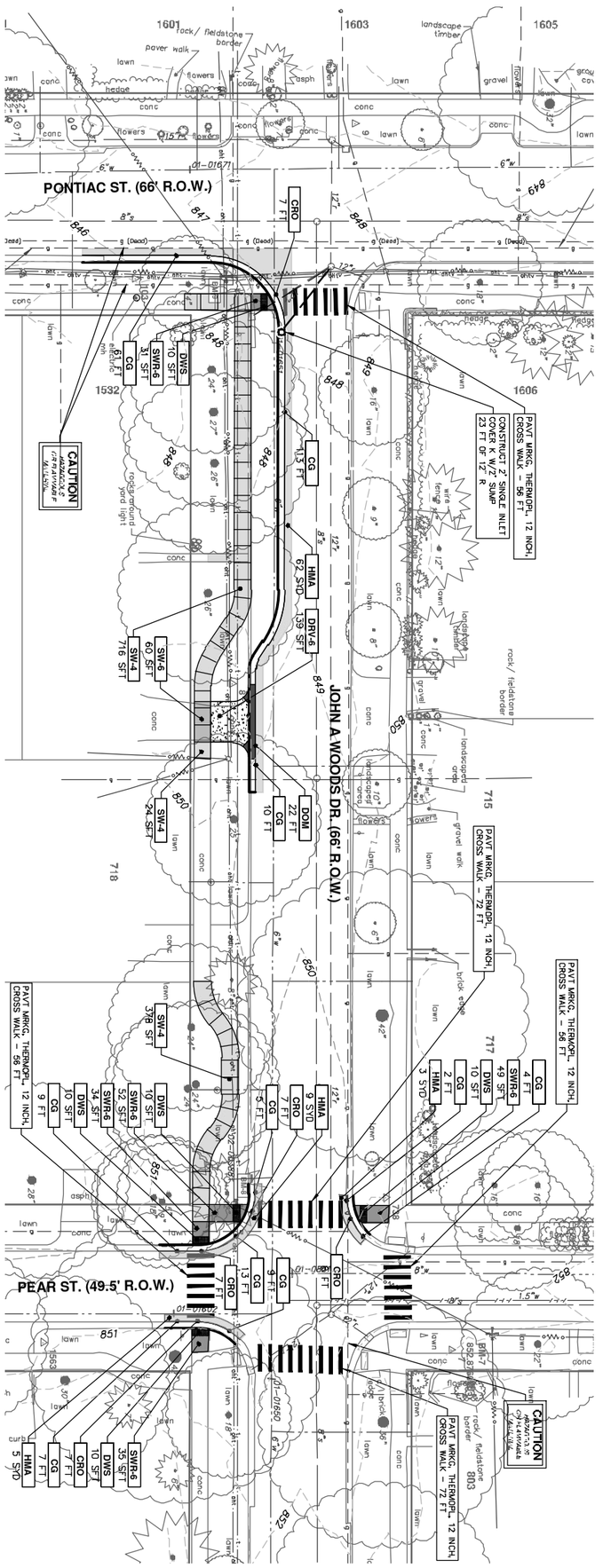
DRAWING No. 2018024-29

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

PROPOSED SIDEWALK

TRAVER STREET PROFILES

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org



KEY	DESCRIPTION
HMA	HAND PATCHING
DRV-6	CONCRETE DRIVE APPROACH, NONREINFORCED, P-NC, 6 INCH (SFT)
DOM	DRIVEWAY OPENING, CONC, DETAIL NI, P-NC (FT)
CG	CURB AND GUTTER, CONC, DET F4, SPECIAL (FT)
CRO	CURB RAMP OPENING, CONC. (FT)
SW-6WT	INTEGRAL SIDEWALK RETAINING WALL, 6" TO 18" (SFT)
SW-9WT	INTEGRAL SIDEWALK RETAINING WALL, 18" TO 36" (SFT)
DWS	DETECTABLE WARNING TILES (SFT)
SWR-6	SIDEWALK RAMP, CONC, 6 INCH, P-NC, ADA, MODIFIED (SFT)
SW-4	SIDEWALK, CONCRETE, 4 INCH, SPECIAL (SFT)
SW-6	SIDEWALK, CONCRETE, 6 INCH, SPECIAL (SFT)

CONSTRUCTION KEY

SHEET No. 30 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 20'

DRAWING No. 2018024-30

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

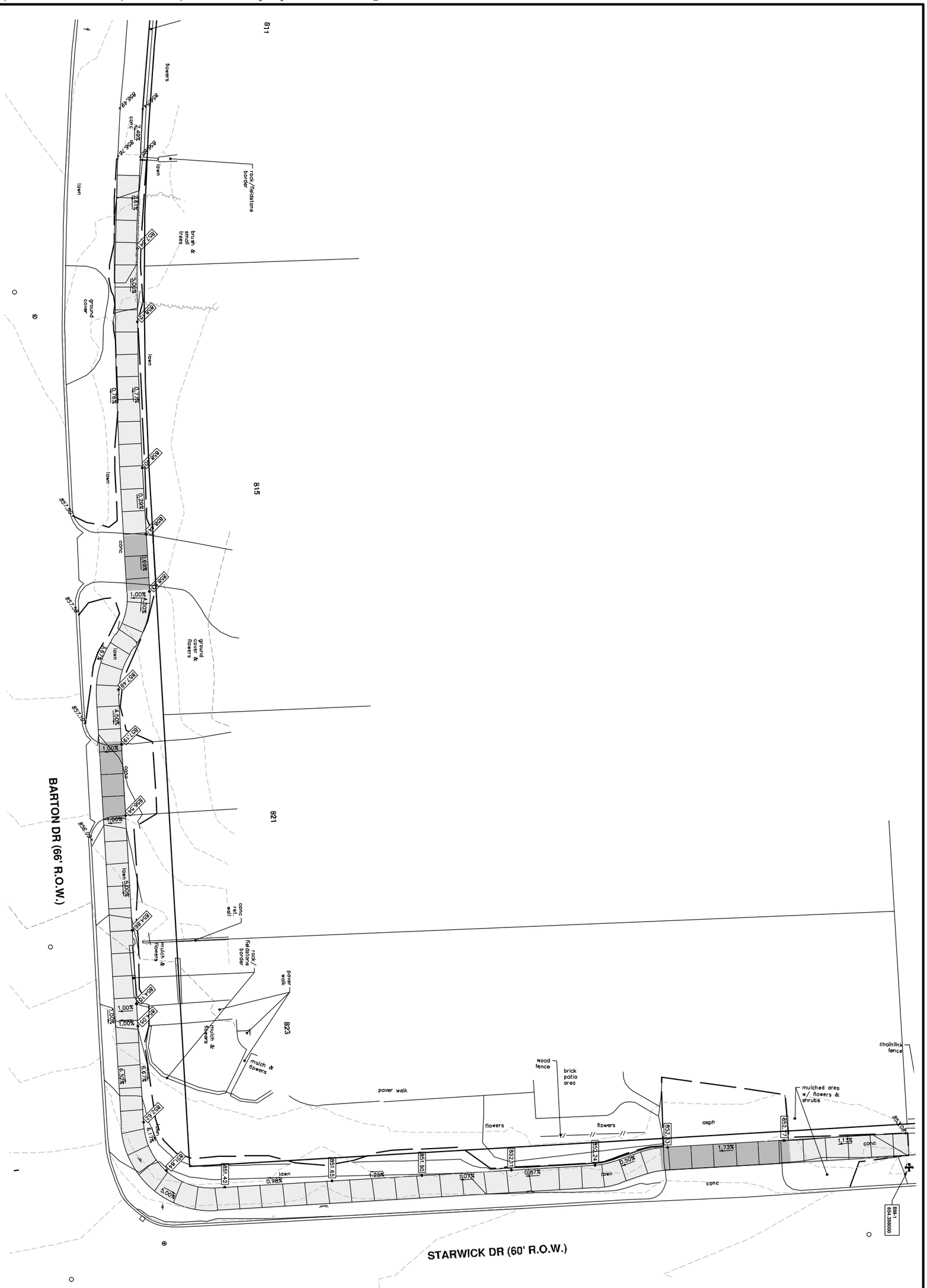
PROPOSED SIDEWALK

JOHN A WOODS DRIVE

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA

R:\2018024 Northside STEAM SRTS\Plan Production\2018024 Barton IG.dwg Dwg Created: 19-Feb-19 - _a2 standard bw.stb - Plot Date: 21-Feb-19



01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA
REV.	DESCRIPTION	DATE	DRAWN	CHECKED

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

INTERSECTION GRADES

BARTON DRIVE

SCALE PLAN: 1" = 10'

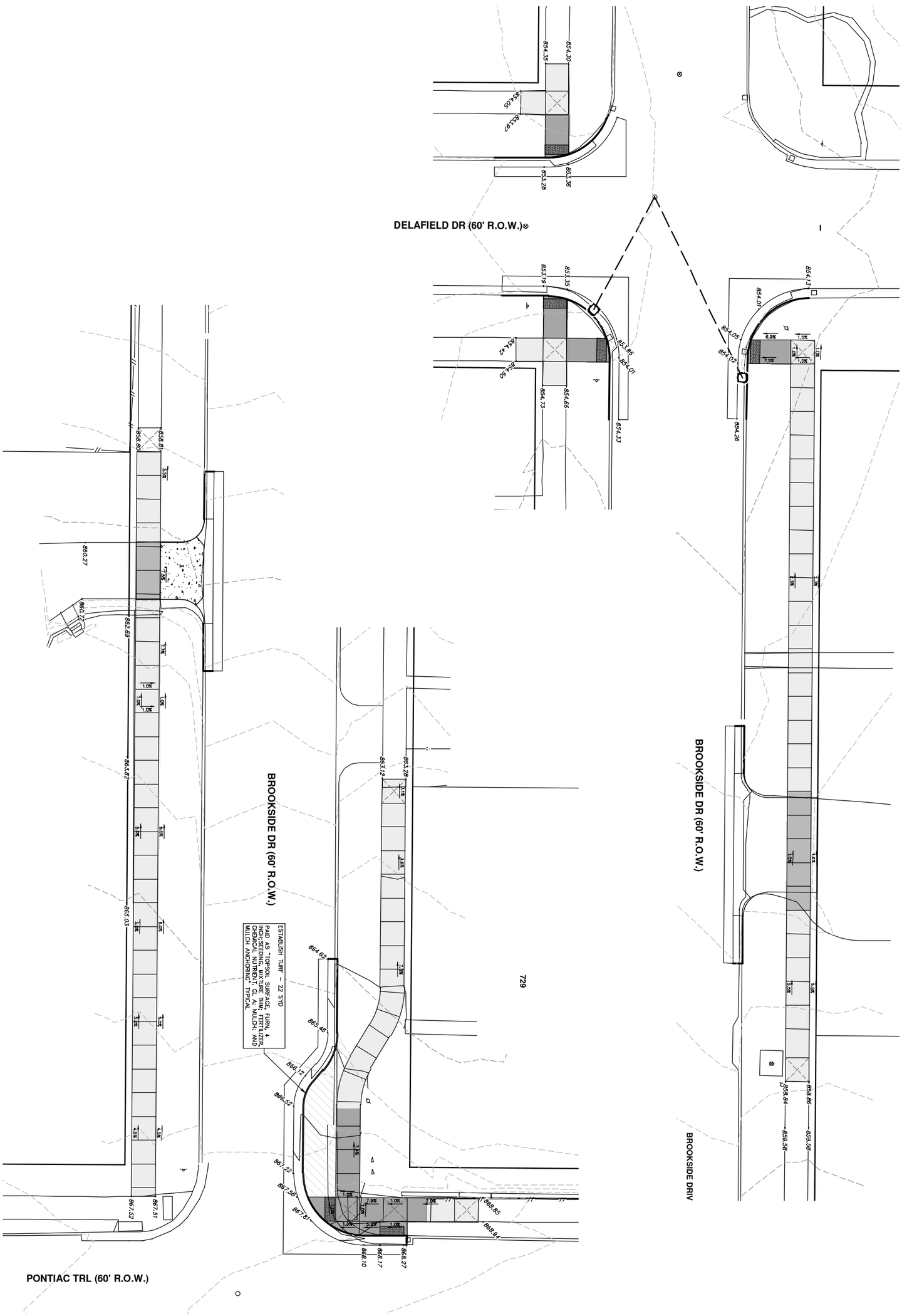
DRAWING No. 2018024-31

SHEET No. 31 OF 34

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

Know what's below. Call before you dig.

R:\2018024 Northside STEAM SRTS\Plan Production\2018024 Brookside IG.dwg Dwg Created: 20-Feb-19 - _a2 standard bw.stb - Plot Date: 21-Feb-19



CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

INTERSECTION GRADES

BROOKSIDE DRIVE

SCALE PLAN: 1" = 10'

DRAWING No. 2018024-32

SHEET No. 32 OF 34

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA

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

R:\2018024 Northside STEAM SRTS\Plan Production\2018024 Traver 16.dwg Dwg Created: 20-Feb-19 — _a2 standard bw.stb — Plot Date: 21-Feb-19

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	MDOT G SUBMITTAL	10-8-2018	KBLDF,GC	JKA
01	OUT FOR BID	2-21-2019	KBLDF,GC	JKA

CITY OF ANN ARBOR
PUBLIC SERVICES
301 E. HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
(734) 794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

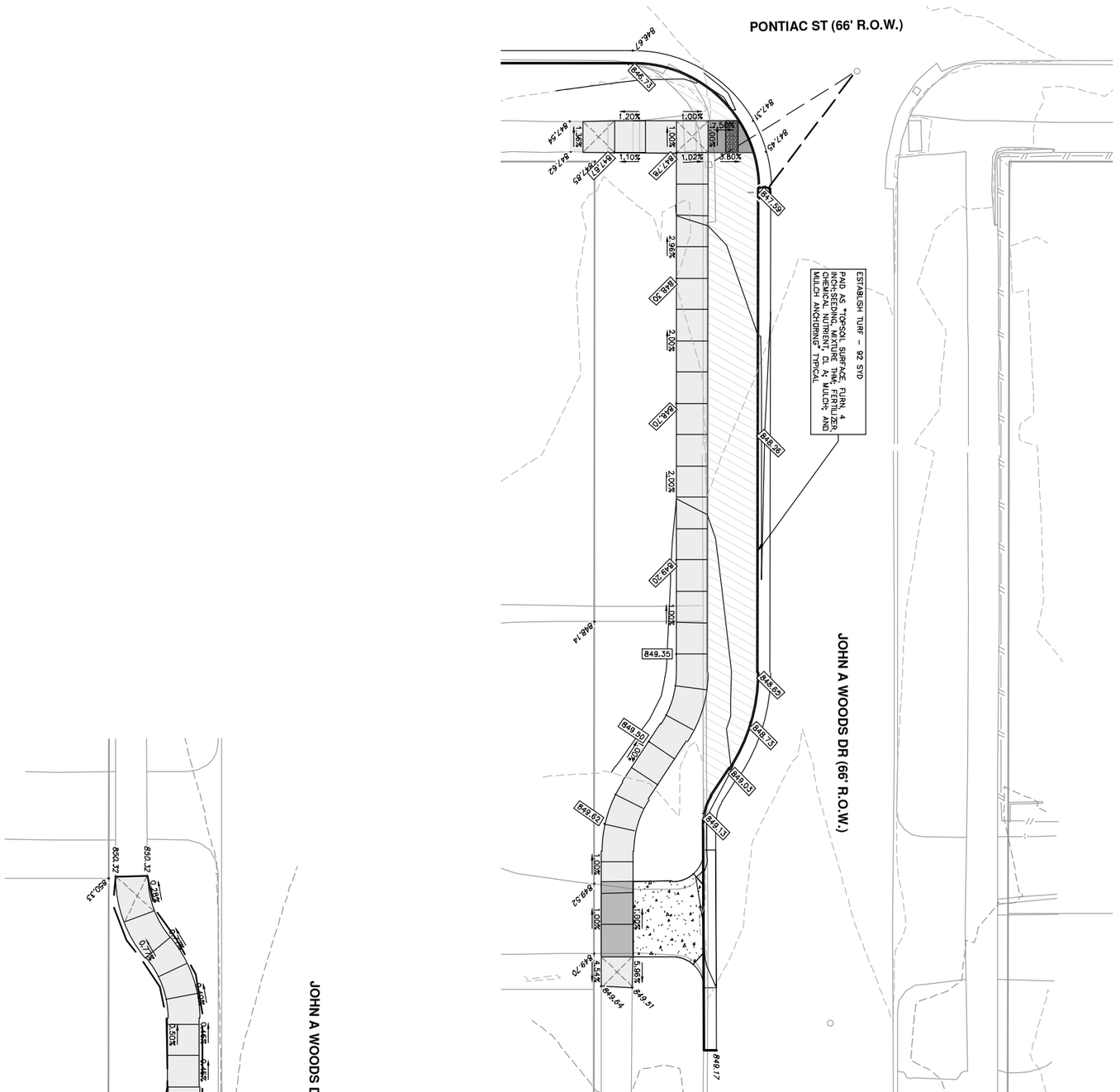
INTERSECTION GRADES

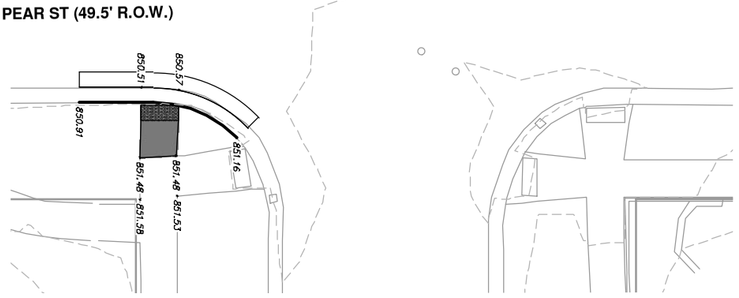
TRAVER STREET

SCALE PLAN: 1" = 10'

DRAWING No. 2018024-33

SHEET No. 33 OF 34





01	OUT FOR BID	2-21-2019	KB,DF,CC	JKA
00	MDOT GI SUBMITTAL	10-8-2018	KB,DF,CC	JKA
REV.	DESCRIPTION	DATE	DRAWN	CHECKED

SHEET No. 34 OF 34

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 10'

DRAWING No. 2018024-34

NORTHSIDE STEAM SAFE ROUTES TO SCHOOL

INTERSECTION GRADES

JOHN A WOODS DRIVE

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org