CITY OF ANN ARBOR
ENGINEERING

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.

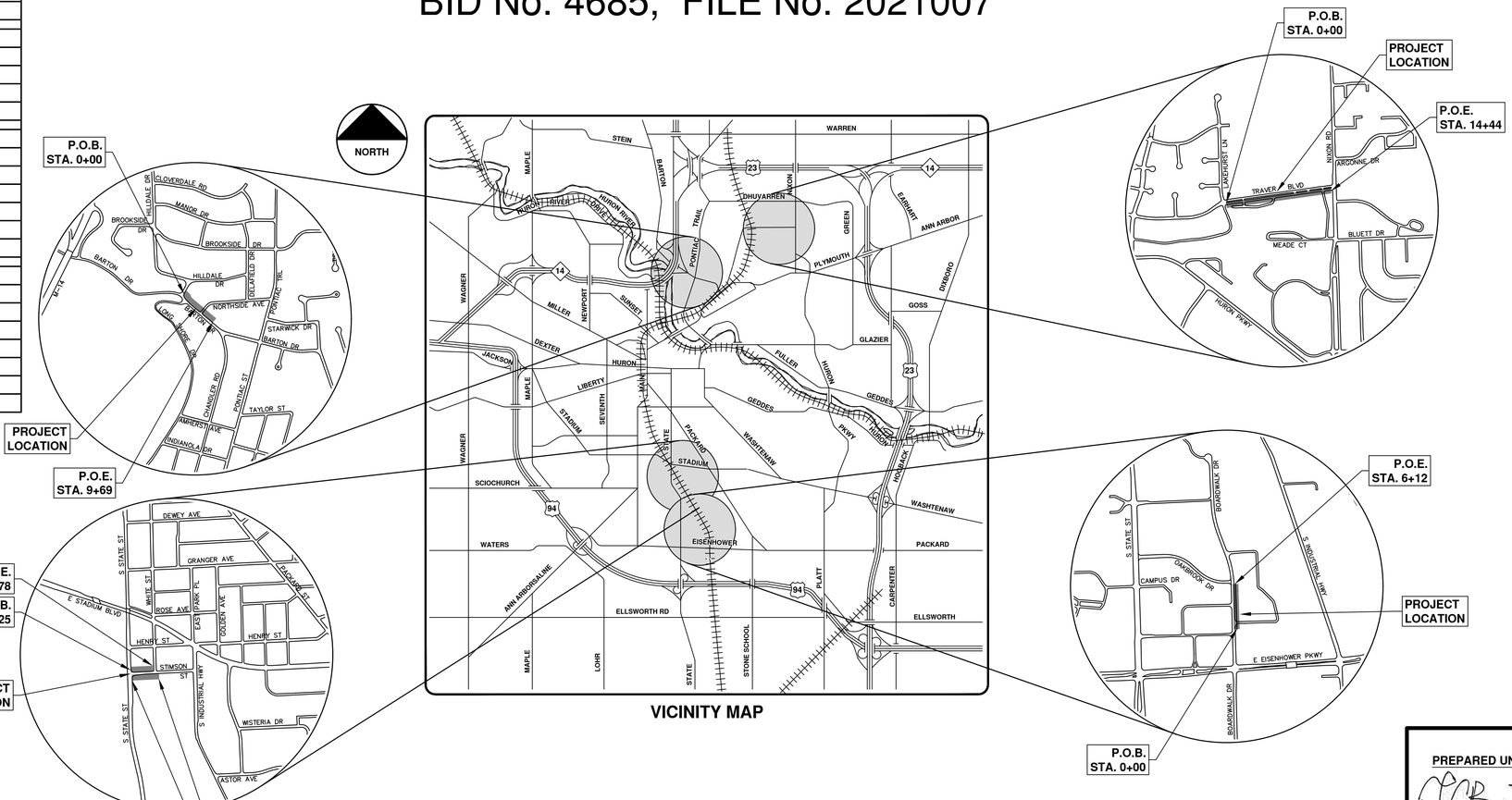
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

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.

SIDEWALK GAP ELIMINATION - 2021

BID No. 4685, FILE No. 2021007

SHEET LIST TABLE



VICINITY MAP

PREPARED UNDER THE SUPERVISION OF

THERESA BRIDGES, P.E. - MI LICENSE No. 6201052180
PROJECT MANAGER

6 / 3 /2021
DATE

STATE OF MICHIGAN — THERESA CISCO BRIDGES ENGINEER No. 6201052180 — LICENSED PROFESSIONAL ENGINEER

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

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	ISSUED FOR BID	6-3-2021	CC,DF,KB	TB

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

SCALE

DRAWING No. 2021007-1

SHEET No. 1 OF 30

R:\2021007 Sidewalk Gaps\Plan Production\2021007Cov.dwg — _a2 standard bw.stb — Plot Date: 6/3/2021 3:45:54 PM

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 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 UNLESS APPROVED BY THE ENGINEER; ANY OPEN TRENCH SHALL BE PROPERLY SECURED WITH PROTECTIVE FENCING. THIS WORK SHALL BE INCLUDED IN THE ITEM OF WORK "GENERAL CONDITIONS".

5. THE LOCATION OF MATERIAL STOCK PILES AND ON-SITE STAGING AREAS SHALL BE APPROVED BY THE ENGINEER. ALL MATERIAL STOCKPILES SHALL BE MAINTAINED SUCH THAT DRAINAGE AND SIGHT DISTANCES ARE NOT ADVERSELY IMPACTED. SOIL EROSION REQUIREMENTS SHALL APPLY TO ALL MATERIAL STOCKPILES.

6. ALL EXCAVATION REQUIRED FOR PROJECT GRADING WITHIN THE PROJECT LIMITS, INCLUDING PROPOSED PAVEMENT, SIDEWALK, AND SIDEWALK RAMPS SHALL BE INCLUDED IN "STATION GRADING,_____."

7. EXCAVATON AND BACKFILL BEHIND CURB AND GUTTER SHALL BE INCLUDED IN "STATION 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 "SAND SUBBASE COURSE, CLASS II, C.I.P." 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.

8. ALL CURB, SIDEWALK, AND DRIVEWAY APPROACH REMOVALS SHALL BE APPROVED BY ENGINEER BEFORE THE WORK IS PERFORMED. ALL CONCRETE AND BITUMINOUS MATERIALS SHALL BE SAW-CUT FULL-DEPTH AT THEIR REMOVAL LIMITS PRIOR TO REMOVAL. SAW-CUTTING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE ITEM OF WORK "STATION GRADING, _____."

9. PLACE 4" (MINIMUM) OR 6" (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."

10. A UNIFORM COAT(S) OF CURING COMPOUND SHALL BE APPLIED TO FRESHLY PLACED CONCRETE ACCORDING TO THE STANDARD SPECIFICATIONS AND DETAILED SPECIFICATIONS 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.

11. "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.

12. POSTAL DELIVERY AND SOLID WASTE PICKUP SERVICE SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.

13. WHERE STREET CURBS ARE UNDERMINED DUE TO CONSTRUCTION ACTIVITIES, THEY SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE 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".

15. ALL STRUCTURES SHALL RECEIVE NEW CASTINGS AS DIRECTED BY THE ENGINEER, AS SPECIFIED ON THE STANDARD CASTING SCHEDULE. THE EXISTING CASTINGS ARE THE PROPERTY OF THE CITY OF ANN ARBOR. THE CONTRACTOR SHALL DELIVER TO CITY OF ANN ARBOR PUBLIC WORKS FACILITY AT THE W.R. WHEELER SERVICE CENTER LOCATED AT 4251 STONE SCHOOL ROAD.

16. 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 "STAION GRADING"

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 PALLATIVE 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. PERFORM STATION GRADING OPERATIONS AND CONSTRUCT PAVEMENTS (MAINLINE, SIDEWALKS, DRIVES, ETC.).

1.4. CONTINUALLY MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES, AS REQUIRED TO ALLOW DRAINAGE AND SEDIMENT REMOVAL. REMOVE ANY ACCUMULATED SEDIMENT IMMEDIATELY.

1.5. COMPLETE ALL FINE GRADING.

1.6. TEMPORARY SEED AND INSTALL EROSION CONTROL BLANKET IN ALL DISTURBED AREAS.

1.7. REFER TO PLANS FOR PERMANENT SITE STABILIZATION.

1.8. CLEAN OUT STORM SEWER SYSTEMS.

1.9. REMEDY ANY NOTED DEFECTS TO THE SATISFACTION OF THE CITY OF ANN ARBOR'S SOIL EROSION AND SEDIMENTATION CONTROL OFFICIAL.

1.10. 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.

THE ESTIMATED COST OF SOIL EROSION AND SEDIMENTATION CONTROL MEASURES, TOPSOIL, SEEDING, AND MULCH = $10,000

ON SITE SOILS PER THE USDA SOIL SURVEY OF WASHTENAW COUNTY, MICHIGAN:

BOARDWALK DR.

- MdA – MATHERTON SANDY LOAM, 0 TO 4 PERCENT SLOPES
- Sb – SEBEWA LOAM, DISINTEGRATION MORAINE, 0 TO 2 PERCENT SLOPES

STIMSON ST.

- MdA – MATHERTON SANDY LOAM, 0 TO 4 PERCENT SLOPES

BARTON DR..

- FoB – FOX SANDY LOAM, TILL PLAIN, 2 TO 6 PERCENT SLOPES
- FoC – FOX SANDY LOAM, HURON LOBE, 6 TO 12 PERCENT SLOPES
- WawabD – WAWASEE LOAM, 12 TO 18 PERCENT SLOPES

TRAVER BLVD.

- Br – BROOKSTON LOAM, 0 TO 2 PERCENT SLOPES
- Hn – HOUGHTON MUCK, DISINTEGRATION MORAINE, 0 TO 2 PERCENT SLOPES
- WawabB – WAWASEE LOAM, 2 TO 6 PERCENT SLOPES
- WawabC – WAWASEE LOAM, 6 TO 12 PERCENT SLOPES

BARTON DRIVE BENCHMARKS

BM #	ELEV	DESCRIPTION
2	835.372	SET RR SPIKE IN S. SIDE OF U.P. ON N. SIDE OF BARTON IN FRONT OF HSE NO. 709.
3	830.154	SET RR SPIKE IN N.E. SIDE OF L.P. AT THE S.W. CORNER OF BARTON AND CHANDLER.
4	820.265	SET RR SPIKE IN S. SIDE OF U.P. AT THE N.W. CORNER OF BARTON AND NORTHSIDE.
5	815.495	SET RR SPIKE IN S. SIDE OF L.P. ON N. SIDE OF BARTON. ACROSS FROM LONG SHORE DR.
6	803.694	SET RR SPIKE IN S. SIDE OF U.P. ON N. SIDE OF BARTON. 2ND POLE WEST OF BREDE ST.

TRAVER BOULEVARD BENCHMARKS

BM #	ELEV	DESCRIPTION
2020	909.06	CITY OF ANN ARBOR AAGRS #2020
1	908.38	SOUTH FLANGE BOLT ON HYDRANT, WEST SIDE DRIVEWAY ENTRANCE BY CONDO #2630
2	908.02	NW BOLT ON LAMP POST, EAST SIDE OF WEST ENTRANCE TO CONDO #S 2602-2626
3	912.21	NW BOLT ON LAMP POST, 70'± WEST OF ENTRANCE TO CONDO #2558
4	914.15	SE BOLT ON LAMP POST, NW CORNER OF TRAVER AND LAKEHURST

BOARDWALK DRIVE BENCHMARKS

BM #	ELEV	DESCRIPTION
1	830.51	WEST BOLT ON FLANGE OF HYDRANT, ON THE SW CORNER OF BOARDWALK & OAKBROOK ± 26' WEST OF CENTERLINE OF BOARDWALK AND ± 37' SOUTH FROM CENTERLINE OF OAKBROOK.
2	837.53	ARROW ON HYDRANT, EAST SIDE OF BOARDWALK, JUST NORTH OF GRANGER DRIVEWAY ENTRANCE #2915, AND SOUTH OF DRIVEWAY ENTRANCE TO THE BOARDWALK COMMERCE CENTER #2801-2875

STIMSON STREET BENCHMARKS

BM #	ELEV	DESCRIPTION
1	839.98	ARROW ON HYDRANT. 45± WEST OF ℄ OF WHITE ST. AND 20'± NORTH OF ℄ OF STIMSON ST.
2	843.75	E'LY FLANGE BOLT ON HYDRANT. 25'± EAST OF ℄ OF S. STATE ST. AND 40'± NORTH OF ℄ OF STIMSON ST.

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		
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 SOUTHERLAND (313) 999-8300
PHONE	AT&T 550 S. MAPLE ROAD ANN ARBOR, MI 48103	MARC GOODELL (313) 405-0574
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

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REV.	DESCRIPTION	DATE	DR.: KB	CK.: TB
00	ISSUED FOR BID	6-3-2021	DRAWN	CHECKED

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PUBLIC SERVICES
301 E. HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

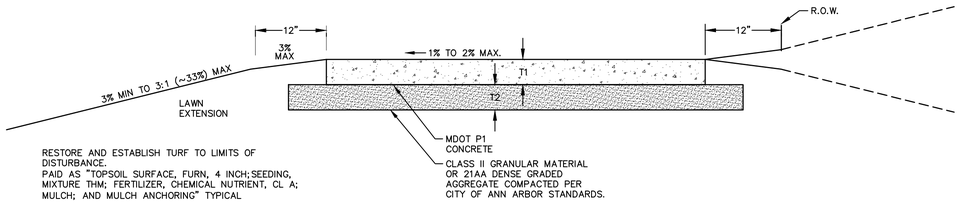
SIDEWALK GAP ELIMINATION - 2021

STANDARD NOTES

SCALE: NTS

DRAWING No. 2021007-2

SHEET No. 2 OF 30



NOTES:

1. SIDEWALK SHALL BE A DESIGNED AND CONSTRUCTED TO MEET ALL ADA STANDARDS AND REQUIREMENTS.
2. CITY OF ANN ARBOR MINIMUM STANDARD WIDTH OF SIDEWALK IS FIVE (5) FEET.
3. CONCRETE SIDEWALK THICKNESS (T1) SHALL BE A MINIMUM OF FOUR (4) INCHES.
4. SIDEWALK THICKNESS (T1) SHALL BE INCREASED AT DRIVE APPROACHES TO SIX (6) INCHES FOR SINGLE–FAMILY OR DUPLEX RESIDENTIAL USES. ALL OTHER USES REQUIRE A MINIMUM EIGHT (8) INCH THICKNESS WITHIN THE DRIVE APPROACH.
5. BASE THICKNESS (T2) SHALL BE A MINIMUM OF FOUR (4) INCHES.
6. THICKNESS OF THE BASE (T2) SHALL BE INCREASED TO A MINIMUM OF SIX (6) INCHES WITHIN THE DRIVE APPROACH.
7. IF EXISTING SUBGRADE MATERIAL IS APPROVED BY THE ENGINEER FOR USE, COMPACT THE EXISTING SUBGRADE TO 95% OF THE MATERIAL'S MAXIMUM DRY DENSITY.
8. NATIVE MATERIAL MAY BE ACCEPTABLE FOR SIDEWALK CONSTRUCTION, IF THE BASE IS STABLE AND FREE OF ORGANIC OR DELETERIOUS MATERIALS.
9. SIDEWALK RAMPS SHALL BE CONSTRUCTED AT STREET INTERSECTIONS AS DIRECTED AND SHALL COMPLY WITH THE REQUIREMENTS OF MDOT DETAIL R–28 (LATEST VERSION).
10. SIDEWALKS MAY MEANDER WITHIN THE RIGHT–OF–WAY TO PROTECT AND PRESERVE NATURAL FEATURES.
11. EXPANSION AND CONTRACTION JOINTS SHALL BE PROVIDED PER CITY OF ANN ARBOR STANDARD DETAILS AND SPECIFICATIONS.

SIDEWALK CROSS SECTION, SD-R-9

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

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

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2021

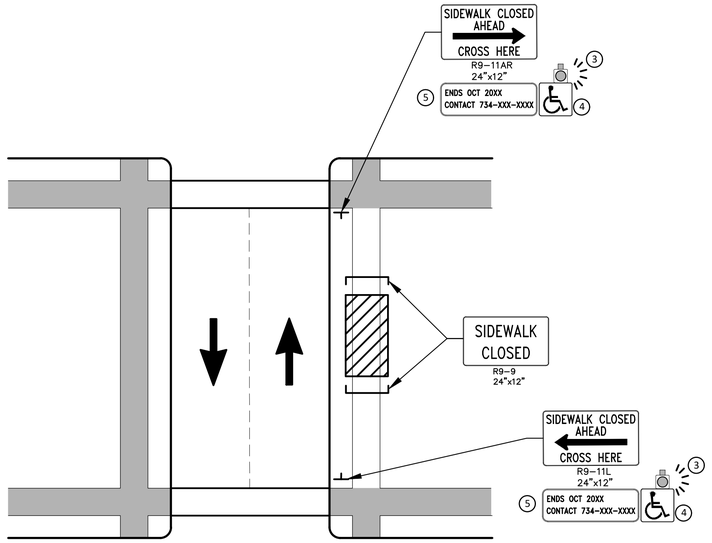
LEGEND & DETAILS

SCALE: NTS

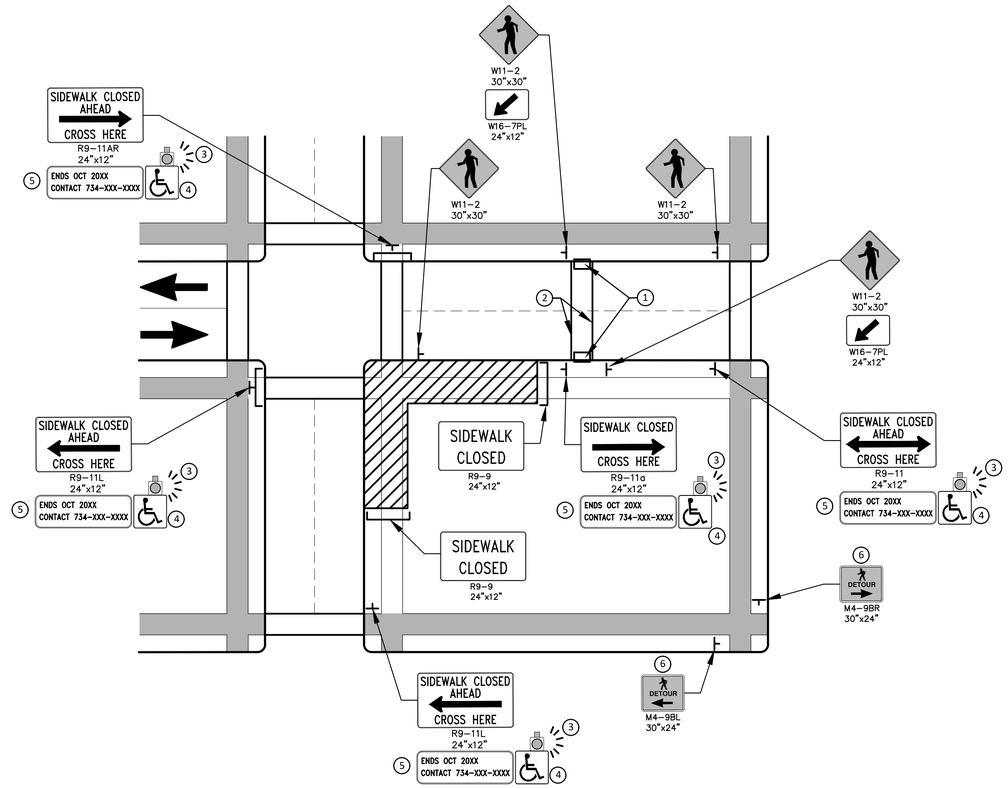
DRAWING No. 2021007-3

SHEET No. 3 OF 30

R:\2021007 Sidewalk Gaps\Plan Production\2021007Cov.dwg — _a2 standard bw.stb — Plot Date: 6/3/2021 3:46:04 PM



PEDESTRIAN DETOUR USING OPPOSITE SIDE OF STREET



OTHER SIDE OF STREET DETOUR OR DETOUR WITH TRAILBLAZING SIGNS
(FOR CORNER SIDEWALK CLOSURE WITH OPTIONAL TEMPORARY CROSSWALK)

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, THE CONTRACTOR SHALL PROVIDE DETECTABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE AN ALTERNATE PEDESTRIAN ROUTE (APR) AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

PROVIDE A SMOOTH, CONTINUOUS, HARD SURFACE THROUGH THE LENGTH OF THE APR. COMPACTED GRAVEL, AGGREGATE, OR SLAG MATERIALS ARE NOT ALLOWED. PROVIDE A FIRM, STABLE, AND SLIP RESISTANT TEMPORARY WALKWAY SURFACE TO COVER SHORT SEGMENTS OF ROUGH, SOFT, OR UNEVEN GROUND.

THE PEDESTRIAN TRAFFIC SIGNALS CONTROLLING CLOSED CROSSWALKS SHALL BE COVERED OR DEACTIVATED BY THE CITY OF ANN ARBOR. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE THIS WORK WITH THE ENGINEER A MINIMUM OF 72 HOURS (NOT INCLUDING WEEKENDS & HOLIDAYS) PRIOR TO THE BEGINNING OF WORK THAT REQUIRES A SIDEWALK CLOSURE.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

WHEN THE ENGINEER DETERMINES THAT THE CONTRACTOR'S OPERATIONS OR PLACEMENT OF TRAFFIC CONTROL DEVICES HAS CAUSED A SITUATION THAT THE VISIBILITY OF IS REDUCED ENOUGH TO CREATE A HAZARD, THE TRAFFIC CONTROL DEVICES SHALL BE DELINEATED WITH FLAGS OR OTHER ENGINEER-APPROVED DEVICES AT NO ADDITIONAL COST TO THE PROJECT.

MINIMIZE DISRUPTION TO PEDESTRIANS TO THE MAXIMUM EXTENT FEASIBLE BY PROVIDING AN APR IN THE FOLLOWING ORDER OF PREFERENCE:

1. PROVIDE THE APR ON THE SAME SIDE OF THE STREET AS THE DISRUPTED ROUTE UTILIZING BYPASSES.
2. WHERE IT IS NOT FEASIBLE TO PROVIDE A SAME SIDE APR, PROVIDE A DETOUR ON THE OTHER SIDE OF THE STREET.
3. WHERE IT IS NOT FEASIBLE TO PROVIDE AN APR ON THE OTHER SIDE OF THE ROADWAY, PROVIDE AN APR DETOUR WITH TRAILBLAZING SIGNS AS SHOWN ON THE PROJECT PLANS.

SPECIFIC NOTES

(1) TEMPORARY CURB RAMPS WITH DETECTABLE WARNINGS.

(2) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(3) AN APPROVED AUDIBLE MESSAGE DEVICE OR TACTILE MESSAGE SHALL BE PROVIDED FOR SIGHT-IMPAIRED PEDESTRIANS.

(4) THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHOULD BE DISPLAYED WHEN ANY WALKWAY THROUGH A WORK ZONE HAS BEEN DETERMINED TO BE TPAR COMPLIANT. THE SYMBOL OF ACCESSIBILITY SHALL NOT BE DISPLAYED IF PERSONS WITH DISABILITIES SHOULD NOT USE THE PRIMARY TEMPORARY PEDESTRIAN DETOUR. THE REASON FOR THE NON-COMPLIANCE SHALL BE POSTED AND AN ALTERNATE ROUTE SHALL BE POSTED WHEN THE PRIMARY TEMPORARY PEDESTRIAN DETOUR IS NON-COMPLIANT TO TPAR STANDARDS.

(5) TYPICAL SIGN MESSAGE FOR A TEMPORARY PEDESTRIAN DETOUR SHALL INCLUDE INFORMATION SUCH AS THE DURATION OF THE WALKWAY RESTRICTIONS (BEGINNING AND/OR END DATES) AND A PROJECT CONTACT NUMBER FOR 24 / 7 QUESTIONS OR REPORTING HAZARDS.

(6) PEDESTRIAN DETOUR TRAILBLAZING SIGNS SHALL BE USED IF THE PEDESTRIAN DETOUR IS IN A LOCATION OTHER THAN ACROSS THE STREET FROM THE SIDEWALK CLOSURE.

PEDESTRIAN TEMPORARY TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN THROUGH MOVEMENTS FROM ONE END OF THE CONSTRUCTION AREA TO THE OTHER, ON AT LEAST ONE SIDE OF THE STREET DURING CONSTRUCTION. ANY SIDEWALK CLOSURES SHALL MEET THE REQUIREMENTS OF THE MMUTCD, PART 6.
2. PEDESTRIAN ACCESS SHALL BE PROVIDED TO ALL ADJACENT PROPERTIES, BUILDINGS, RESIDENCES AND COMMERCIAL PROPERTIES AT ALL TIMES. THIS MAY INCLUDE TEMPORARY WALKWAYS SPANNING THE CONSTRUCTION AREA.
3. IF SIDEWALKS ARE CLOSED, A TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) SHALL BE PROVIDED ON THE SAME SIDE OF THE ROAD AS THE CLOSED SIDEWALK, IF POSSIBLE. SIGNS AND BARRICADES SHALL BE USED TO PROVIDE ADVANCE NOTICE OF THE CLOSURE AND THE ROUTE OF ANY PEDESTRIAN DETOURS. THE TPAR SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 4 FEET. IF THE TPAR IS LESS THAN 5 FEET IN WIDTH, A 5 FOOT BY 5 FOOT PASSING SPACE SHALL BE PROVIDED AT LEAST EVERY 200 FEET. THE SURFACE OF THE TPAR SHALL BE SMOOTH AND CONTINUOUS FOR THE LENGTH OF THE TPAR. THE TPAR SHALL MAINTAIN THE SAME LEVEL OF ACCESSIBILITY AND DETECTABILITY AS THE FACILITY THAT IS BEING CLOSED. THE TPAR SHALL NOT LEAD PEDESTRIANS INTO CONFLICTS WITH VEHICLES, EQUIPMENT, OR CONSTRUCTION OPERATIONS.
4. IF THE TPAR IS ADJACENT TO MOVING TRAFFIC, CONSTRUCTION OPERATIONS/EQUIPMENT, OR DROP-OFFS, THEN CRASH WORTHY CHANNELIZING DEVICES THAT MEET THE REQUIREMENTS OF NCHRP 350 AND THE MMUTCD SHALL BE USED.
5. THE CONTRACTOR SHALL NOT STORE OR PLACE ANY CONSTRUCTION MATERIALS, EQUIPMENT OR SIGNS IN THE PEDESTRIAN PATH OF TRAVEL.
6. THE CONTRACTOR'S OPERATIONS SHALL NOT OCCUPY SIDEWALKS EXCEPT WHERE PROPER PROTECTION AND A TPAR HAVE BEEN PROVIDED.
7. WHEN DIRECTED BY THE ENGINEER, OR STATED ON THE PLANS, THE CONTRACTOR SHALL PROVIDE A TEMPORARY PEDESTRIAN TRAFFIC CONTROL PLAN FOR REVIEW AND WRITTEN APPROVAL BY THE ENGINEER A MINIMUM OF THREE WEEKS BEFORE SUCH PLAN IS IMPLEMENTED. THIS PLAN SHALL DETAIL THE CONSTRUCTION PHASING AND SCHEDULE AND THE SPECIFIC METHODS OF MAINTAINING SAFE PEDESTRIAN ACCESS THROUGHOUT THE CONSTRUCTION AREA. THIS PLAN SHALL PROVIDE THE LOCATION AND DETAILS OF TEMPORARY CONSTRUCTION SIGNING, MARKINGS, BARRICADES, CHANNELIZING DEVICES, TPARS AND METHODS TO MAINTAIN ACCESS TO ADJACENT PROPERTIES, BUSINESSES, RESIDENCES, ETC. NO WORK SHALL BE ALLOWED TO BEGIN UNTIL THIS PLAN IS APPROVED BY THE ENGINEER IN WRITING.
8. PROVISION OF THE TPAR AND ALL OF ITS ELEMENTS, INCLUDING BUT NOT LIMITED TO, CREATION OF THE TEMPORARY PEDESTRIAN CONTROL PLAN, SIGNS, CHANNELIZING DEVICES, BARRICADES, TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE ITEM OF WORK "MINOR TRAF DEVICES."

LEGEND

- SIGN
- EXISTING PEDESTRIAN SURFACE
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- BARRIER
- SIDEWALK BARRICADE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DEVICE

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

REV.	DESCRIPTION	DATE	DR.DWN	CH.CKED
00	ISSUED FOR BID	6-3-2021	CC.DF.KB	TB

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2021

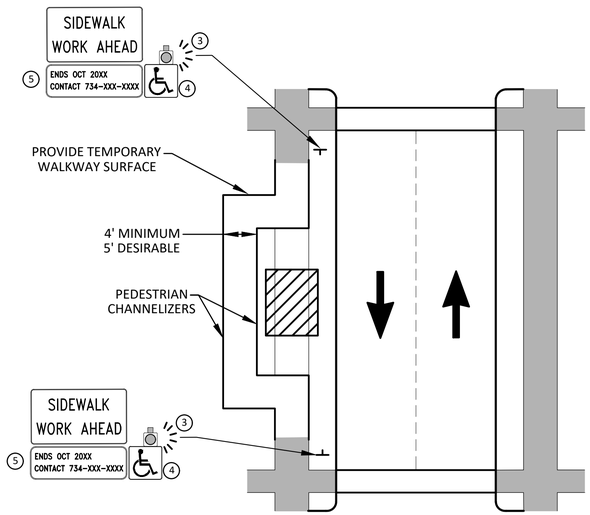
ALTERNATE PEDESTRIAN ROUTE (APR) DETOUR

SCALE : N.T.S.

DRAWING No. 2021007-4

SHEET No. 4 OF 30

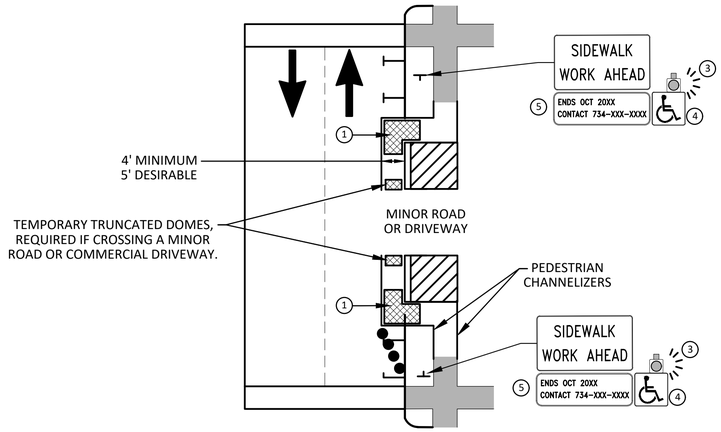
R:\2021007 Sidewalk Gaps\Plan Production\2021007Det.dwg Dwg Created: 20-May-21 - _a2 standard bw.stb - Plot Date: 3-Jun-21



BYPASS ON ADJACENT AVAILABLE
RIGHT OF WAY

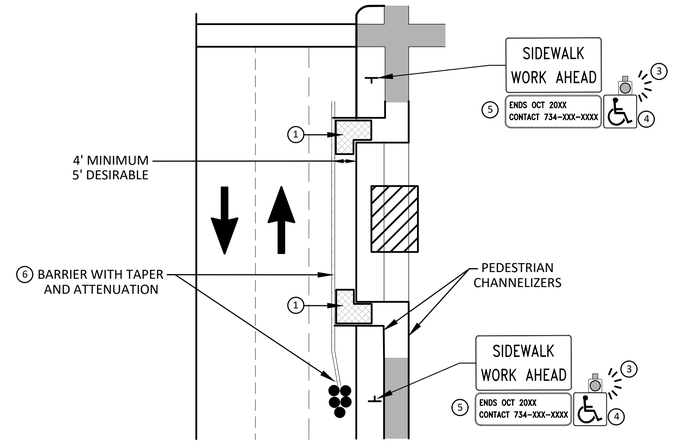
BYPASS TYPE A

NOTE: MAY ONLY BE USED ON ROADWAY WITH POSTED
SPEED OF 45 MPH OR LESS.



SIDEWALK BYPASS USING PARKING OR
SHOULDER ON LOW SPEED ROADWAY

BYPASS TYPE B



SIDEWALK BYPASS USING
SHOULDER OR PARKING LANE ON
HIGH SPEED ROADWAY

BYPASS TYPE C

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, THE CONTRACTOR SHALL PROVIDE DETECTABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

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3. WHERE IT IS NOT FEASIBLE TO PROVIDE AN APR ON THE OTHER SIDE OF THE ROADWAY, PROVIDE AN APR DETOUR WITH TRAILBLAZING SIGNS AS SHOWN ON THE PROJECT PLANS.

SPECIFIC NOTES

(1) TEMPORARY CURB RAMPS WITH DETECTABLE WARNINGS.

(2) 5 DEVICE TAPER 25 FEET LONG, RECOMMENDED WHEN THE CLOSED AREA WAS USED AS AN INTERMITTENT TRAFFIC LANE OR BYPASS LANE. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(3) AN APPROVED AUDIBLE MESSAGE DEVICE OR TACTILE MESSAGE SHOULD BE PROVIDED FOR SIGHT-IMPAIRED PEDESTRIANS.

(4) THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE DISPLAYED WHEN ANY WALKWAY THROUGH A WORK ZONE HAS BEEN DETERMINED TO BE TPAR COMPLIANT. THE SYMBOL OF ACCESSIBILITY SHALL NOT BE DISPLAYED IF PERSONS WITH DISABILITIES SHOULD NOT USE THE PRIMARY TEMPORARY PEDESTRIAN DETOUR. THE REASON FOR THE NON-COMPLIANCE SHALL BE POSTED AND AN ALTERNATE ROUTE SHALL BE POSTED WHEN THE PRIMARY TEMPORARY PEDESTRIAN DETOUR IS NON-COMPLIANT TO TPAR STANDARDS.

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(6) SEE MMUTCD FOR GUIDANCE ON PLACEMENT AND USAGE OF BARRIER.

LEGEND

- SIGN
- EXISTING PEDESTRIAN SURFACE
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- BARRIER
- SIDEWALK BARRICADE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DEVICE

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

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

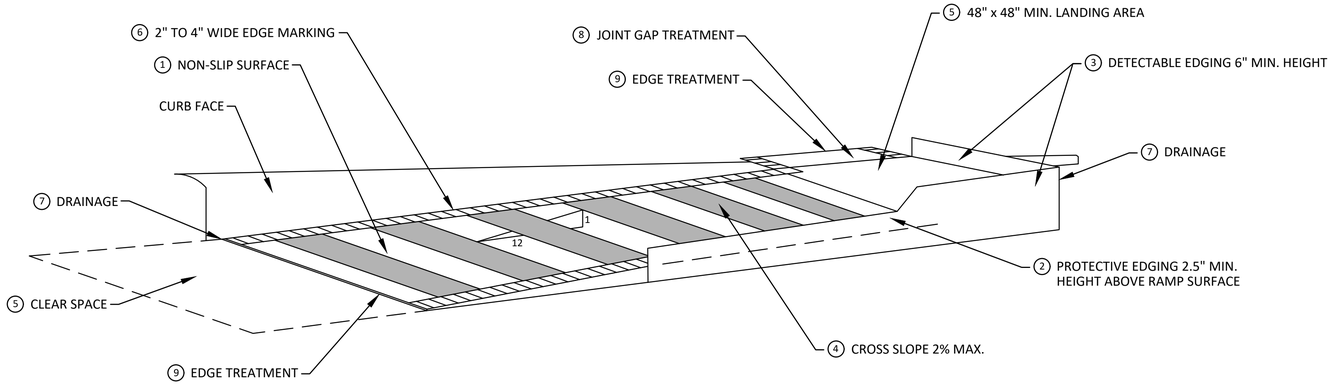
SIDEWALK GAP ELIMINATION - 2021

ALTERNATE PEDESTRIAN ROUTE (APR) BYPASS

SCALE : N.T.S.

DRAWING No.
2021007-5

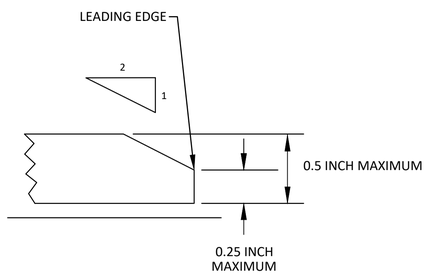
SHEET No.
5 OF 30



TEMPORARY CURB RAMP
PARALLEL TO CURB

SPECIFIC NOTES

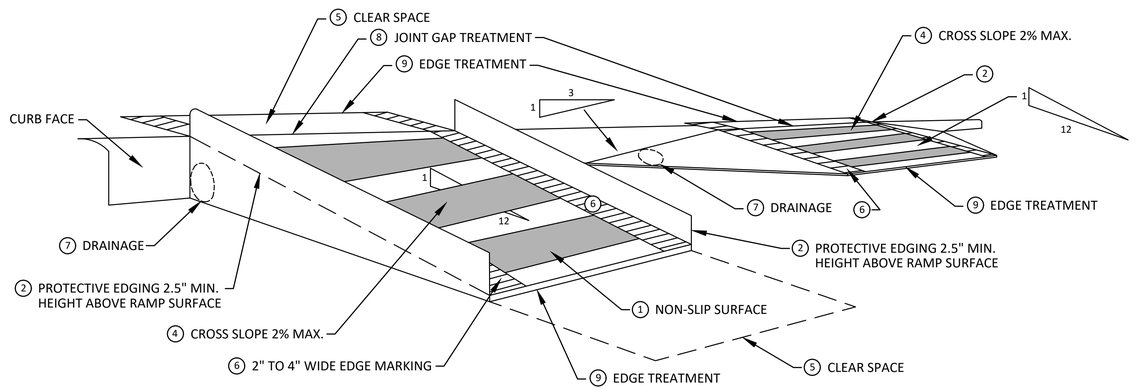
1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.
2. PROTECTIVE EDGING WITH A 2.5" MIN. HEIGHT ABOVE THE RAMP SHALL BE PLACED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3. PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING ANYTIME A HANDRAIL IS REQUIRED, AND ANYTIME THE PATH CHANGES DIRECTION. THIS INCLUDES A TURN ONTO THE RAMP FROM THE PATH. DETECTABLE EDGING MUST BEGIN A MAXIMUM OF 2.5" ABOVE THE RAMP SURFACE, AND EXTEND AT LEAST 6" ABOVE THE RAMP SURFACE. CONTRASTING COLOR SHALL BE PLACED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 2% MAX. CROSS SLOPE.
5. CLEAR SPACE OF 48" x 48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A CONTRASTING COLOR, 2" TO 4" WIDE MARKING. THE MARKING IS OPTIONAL WHERE COLOR CONTRASTING EDGING IS USED.
7. WATER FLOW IN THE GUTTER SYSTEM SHALL NOT BE IMPEDED.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHOULD BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2" HEIGHT.



9 EDGE TREATMENT

SHOWN WITH PROTECTIVE EDGE

SHOWN WITH SIDE APRON



TEMPORARY CURB RAMP
PERPENDICULAR TO CURB

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

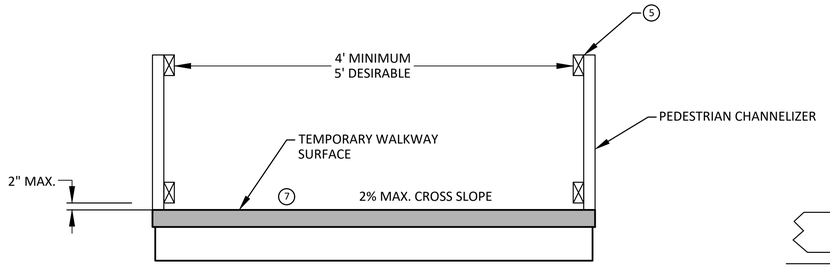
SIDEWALK GAP ELIMINATION - 2021

TPAR RAMPS

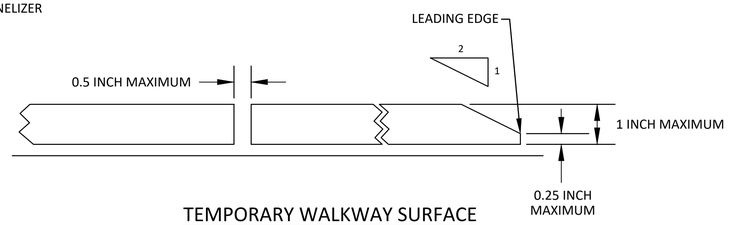
SCALE : N.T.S.

DRAWING No. 2021007-6

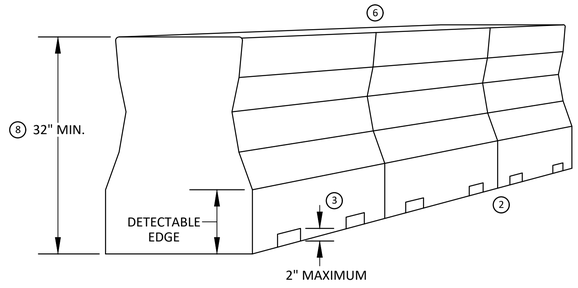
SHEET No. 6 OF 30



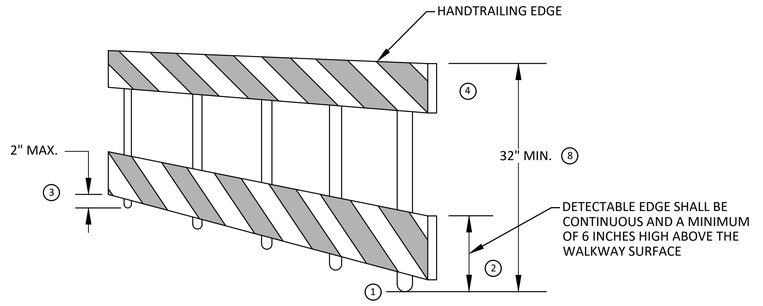
TEMPORARY PEDESTRIAN ACCESS



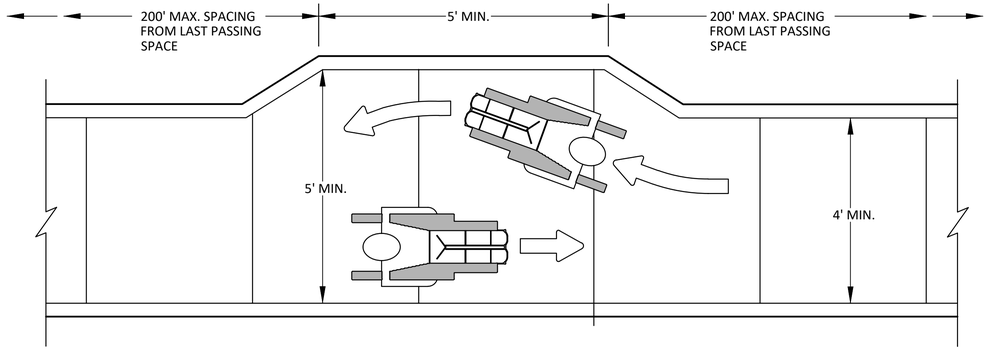
TEMPORARY WALKWAY SURFACE



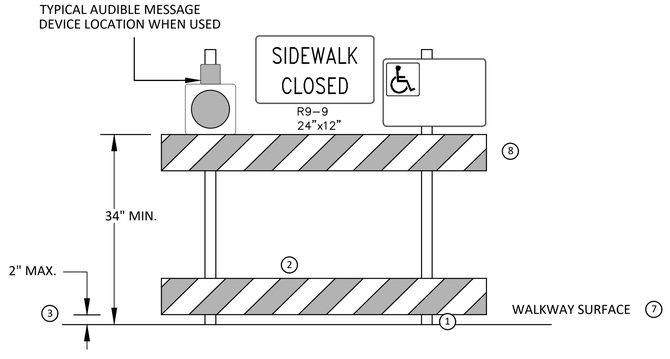
PEDESTRIAN CHANNELIZER USING A BARRIER
(MINIMUM REQUIREMENTS)



PEDESTRIAN CHANNELIZER
(MINIMUM REQUIREMENTS)



NARROW TEMPORARY PEDESTRIAN ACCESS ROUTE PASSING DETAIL



SIDEWALK BARRICADE

GENERAL NOTES

RAILINGS OR OTHER OBJECTS MAY PROTRUDE A MAXIMUM OF 4 INCHES INTO THE WALKWAY CLEAR SPACE WHEN LOCATED A MINIMUM OF 27 INCHES ABOVE THE WALKWAY SURFACE.

ANY PEDESTRIAN DEVICES USED TO PROVIDE POSITIVE PROTECTION FOR PEDESTRIANS OR WORKERS SHALL MEET NCHRP 350 CRASHWORTHY REQUIREMENTS APPROPRIATE FOR THE BARRIER'S APPLICATION.

BARRICADES SHALL BE PLACED CONTINUOUSLY ACROSS THE ENTIRE WIDTH OF THE WALKWAY SURFACE BEING CLOSED.

SPECIFIC NOTES

1. ANY TRIPPING HAZARD IN THE WALKWAY NEEDS A DETECTABLE EDGE. BALLAST SHALL BE LOCATED BEHIND OR INTERNAL TO THE DEVICE. ANY SUPPORT ON THE FRONT OF THE DEVICE SHALL NOT EXTEND INTO THE 48 INCH MINIMUM WALKWAY CLEAR SPACE AND SHALL NOT EXCEED 0.5 INCHES IN HEIGHT ABOVE THE WALKWAY SURFACE.
2. DETECTABLE EDGES SHALL BE CONTINUOUS AND A MINIMUM OF 6 INCHES IN HEIGHT ABOVE WALKWAY SURFACE AND HAVE COLOR MARKINGS CONTRASTING WITH THE WALKWAY SURFACE.
3. DEVICES SHALL NOT BLOCK WATER DRAINAGE FROM THE WALKWAY. A GAP HEIGHT OR OPENING FROM THE WALKWAY SURFACE UP TO A MAXIMUM OF 2 INCHES IS ALLOWED FOR DRAINAGE PURPOSES.
4. PROVIDE A HANDRAIL ON BOTH SIDES OF THE RAMP IF THE RAMP IS NOT EXPOSED TO VEHICLE TRAFFIC AND HAS A TOTAL RISE GREATER THAN 6 INCHES, AND A LENGTH GREATER THAN 72 INCHES.
   - ENSURE THE HANDRAIL IS 1.25 AND 1.5 INCHES WIDE AND CONFIGURED TO BE A "GRASPABLE" CROSS-SECTION.

   SEE CONSTRUCTION SUBSECTION 2.A FOR ADDITIONAL DETAILS.

   WHEN THE RAMP IS EXPOSED TO TRAFFIC, IN LIEU OF HANDRAILS, USE A PROTECTIVE EDGE 2.5 INCHES MINIMUM HEIGHT ABOVE THE RAMP SURFACE OR 1:10 FLARE ON BOTH SIDES OF THE RAMP.
5. ALL DEVICES SHALL BE FREE OF SHARP OR ROUGH EDGES, AND FASTENERS (BOLTS) SHALL BE ROUNDED TO PREVENT HARM TO HANDS, ARMS OR CLOTHING OF PEDESTRIANS.
6. ALL DEVICES USED TO CHANNELIZE PEDESTRIAN FLOW SHOULD INTERLOCK SUCH THAT GAPS DO NOT ALLOW PEDESTRIANS TO STRAY FROM THE INTENDED CHANNELIZED PATH.
7. A WALKWAY SURFACE SHALL BE FIRM, STABLE, AND SLIP RESISTANT. COMPACTED GRAVEL, AGGREGATE, OR SLAG MATERIALS ARE NOT ALLOWED.
8. LONGITUDINAL CHANNELIZING DEVICES FOR PEDESTRIANS SHALL BE 32 INCHES IN HEIGHT OR GREATER.

Know what's below. Call before you dig.

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

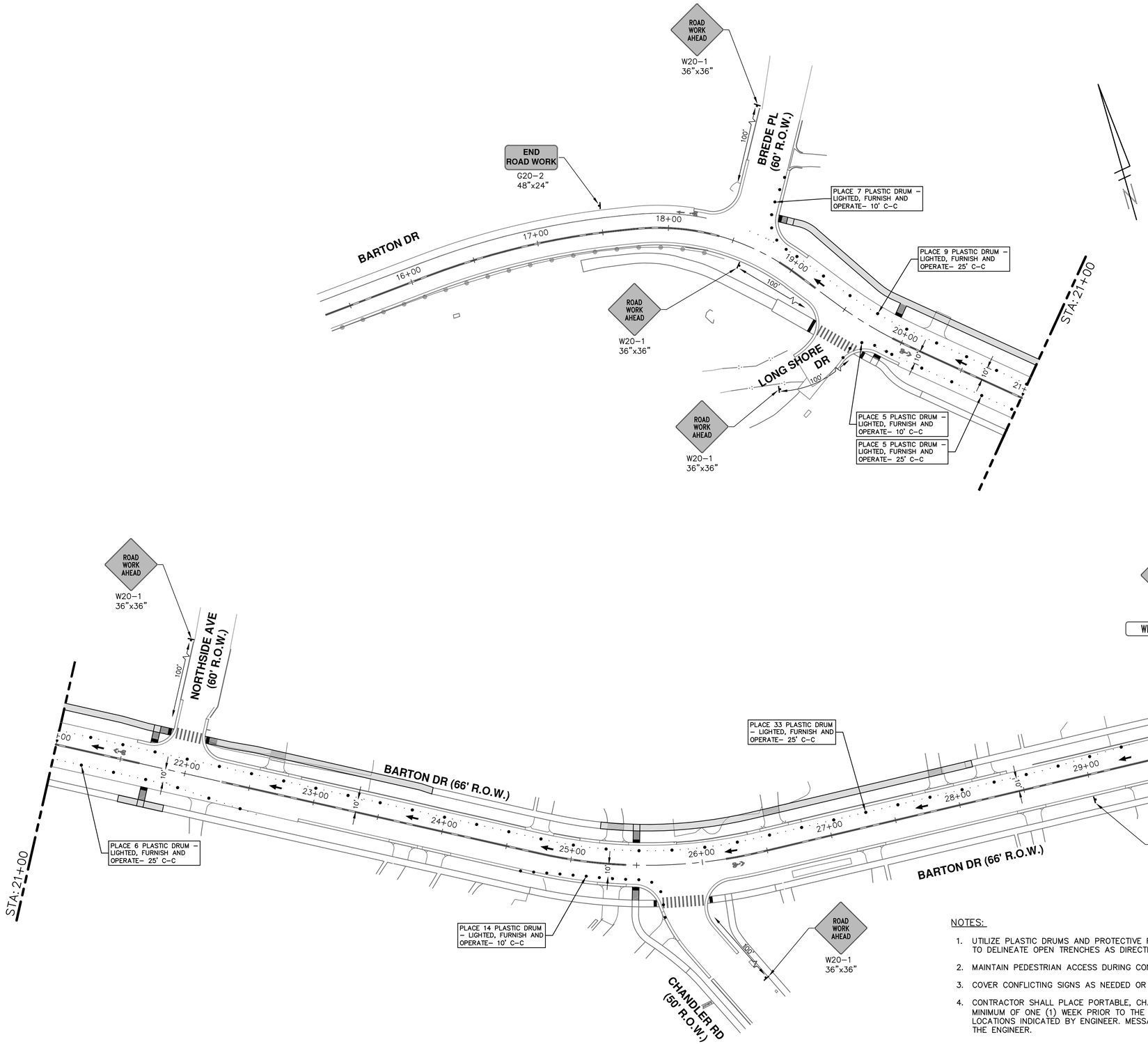
SIDEWALK GAP ELIMINATION - 2021

TPAR WALKWAY DEVICES

SCALE : N.T.S.

DRAWING No. 2021007-7

SHEET No. 7 OF 30



NOTES:

1. UTILIZE PLASTIC DRUMS AND PROTECTIVE FENCING WITHIN WORK ZONE TO DELINEATE OPEN TRENCHES AS DIRECTED BY ENGINEER.
2. MAINTAIN PEDESTRIAN ACCESS DURING CONSTRUCTION.
3. COVER CONFLICTING SIGNS AS NEEDED OR AS DIRECTED BY ENGINEER.
4. CONTRACTOR SHALL PLACE PORTABLE, CHANGEABLE MESSAGE SIGNS A MINIMUM OF ONE (1) WEEK PRIOR TO THE START OF CONSTRUCTION IN LOCATIONS INDICATED BY ENGINEER. MESSAGE TO BE PROVIDED BY THE ENGINEER.

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2021

BARTON DRIVE

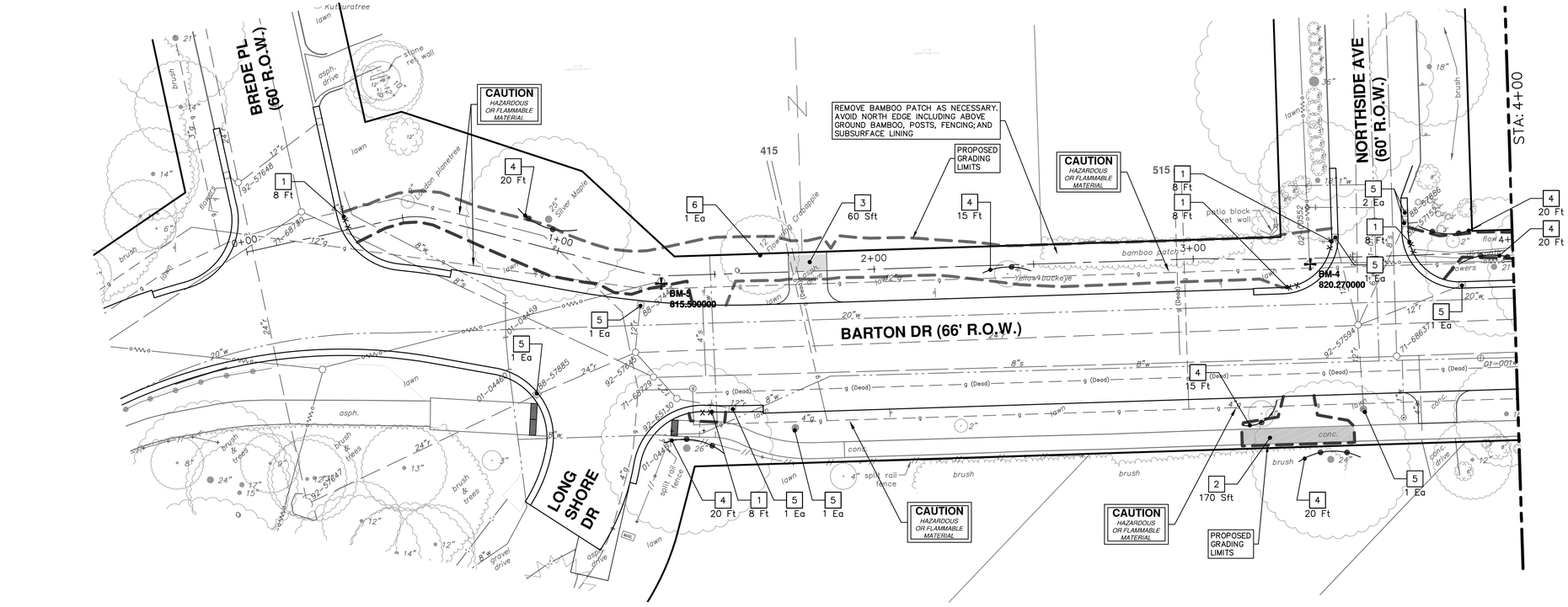
MAINTENANCE OF TRAFFIC

SCALE : 1" = 40'

DRAWING No.
2021007-8

SHEET No.
8 OF 30

R:\2019027 Barton Dr\Plan Production\2021007Mtrf Barton.dwg Dwg Created: 20-May-21 - _a2 standard bw.stb - Plot Date: 3-Jun-21



REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER, – ANY TYPE *
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA SURFACE REMOVE *
4	PROTECTIVE FENCING
5	INLET FILTER
6	TREE REMOVAL, 8 INCH OR LARGER, MODIFIED

* **SAWCUT FULL DEPTH AT REMOVAL LIMITS**

Know what's below. Call before you dig.

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00	ISSUED FOR BID	6-3-2021	CC,DF,KB	TB

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2021

BARTON DRIVE - REMOVALS

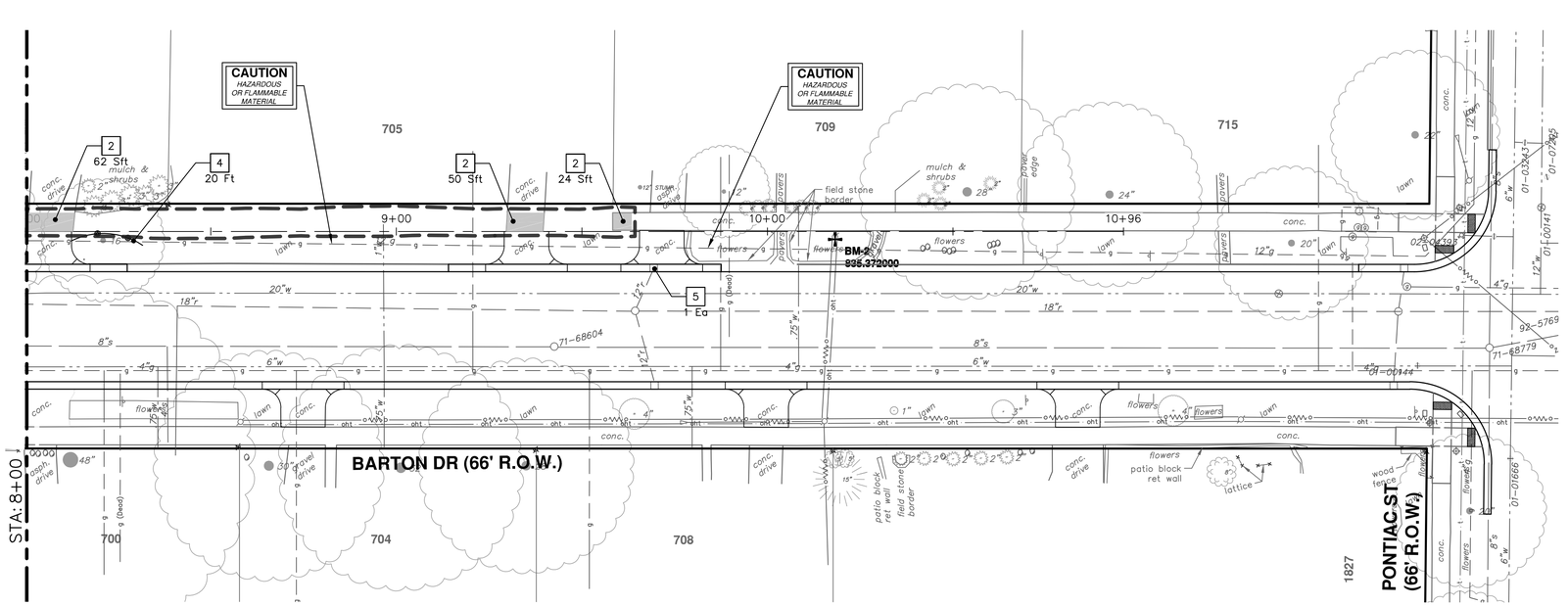
STA. 0+00 - STA. 8+00

SCALE **PLAN: 1" = 20'**

DRAWING No. **2021007-9**

SHEET No. **9 OF 30**

R:\2019027 Barton Dr\Plan Production\2021007\Rem Barton.dwg Dwg Created: 1-Jun-21 — _a2 standard bw.stb — Plot Date: 3-Jun-21



REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER, – ANY TYPE *
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA SURFACE REMOVE *
4	PROTECTIVE FENCING
5	INLET FILTER
6	TREE REMOVAL, 8 INCH OR LARGER, MODIFIED

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

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SCALE PLAN: 1" = 20'

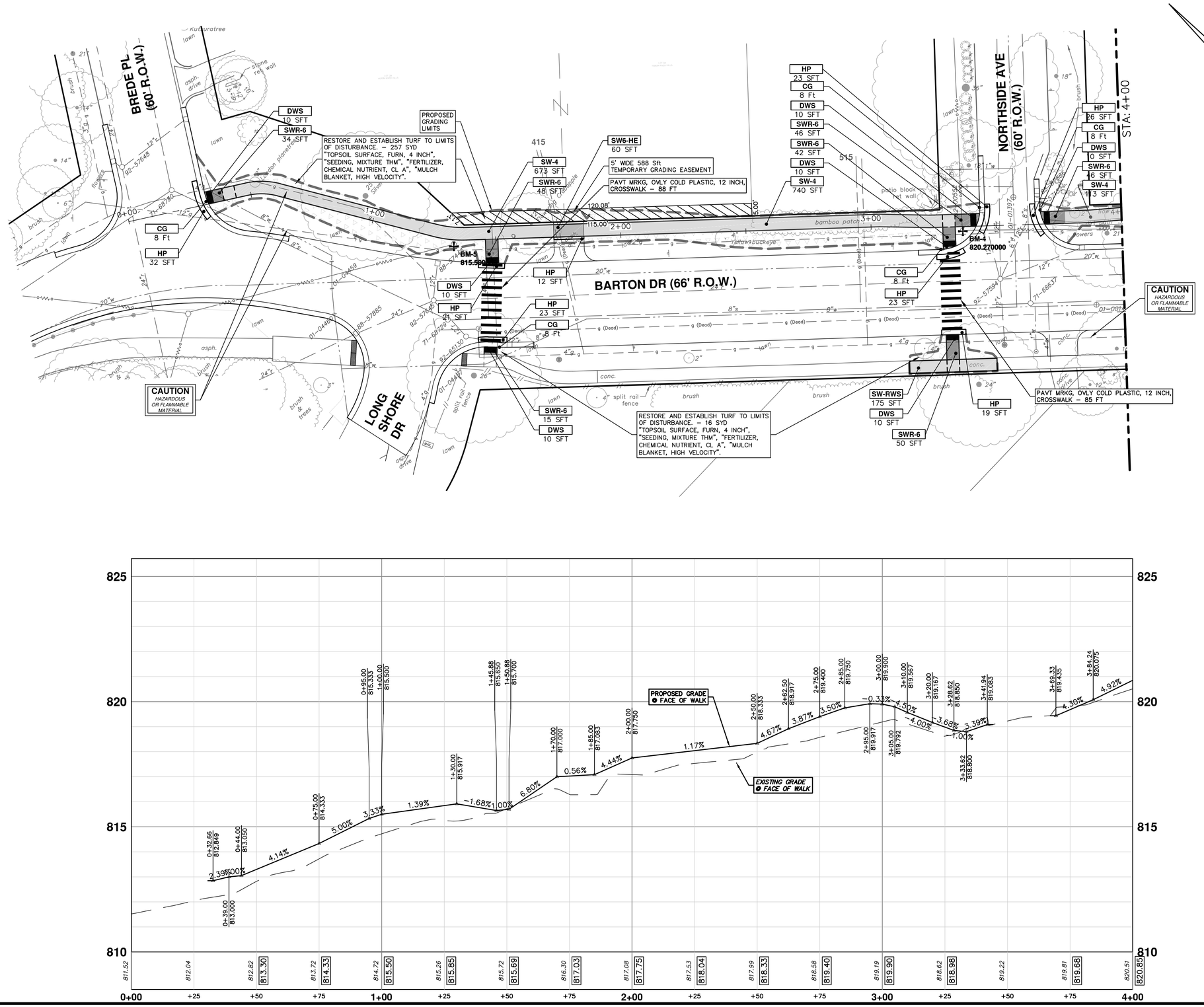
DRAWING No.
2021007-10

SHEET No.
10 OF 30

SIDEWALK GAP ELIMINATION - 2021

BARTON DRIVE - REMOVALS

STA. 8+00 - STA. 9+69



CONSTRUCTION KEY

KEY	DESCRIPTION
HMA	PLACE HMA, LVSP. PLACE MATERIAL IN LIFTS ACCORDING TO THE TYPICAL SECTION AND AS DIRECTED BY THE ENGINEER.
HP	HAND PATCHING
HMA APP	PLACE HMA APPROACH
CG	PLACE CURB AND GUTTER, CONC, F4, SPECIAL
DC-6	PLACE CONC, DRIVE APPROACH, NON–REINFORCED, P–NC, 6 INCH. PLACE AND COMPACT 6 INCH SUBBASE, CIP, CLASS II GRANULAR MATERIAL, MODIFIED.
SW-4	PLACE SIDEWALK, CONC, 4 INCH, MODIFIED
SWR-6	PLACE SIDEWALK, SIDEWALK RAMP, CONC, 6 INCH, MODIFIED
SW6-HE	PLACE SIDEWALK, CONC, 6 INCH, H.E.
SW8	PLACE SIDEWALK, CONC, 8 INCH, FIBERMESH
SW8-HE	PLACE SIDEWALK, CONC, 8 INCH, FIBERMESH, H.E.
DWS	DETECTABLE WARNING, CAST IN PLACE
SW-RWS	INTEGRAL SIDEWALK ROLLED CURB (SFT)
ADJ	ADJUST STRUCTURE COVER

Know what's below. Call before you dig.

NO	DESCRIPTION	DATE	DRAWN	CHECKED
00	ISSUED FOR BID	6–3–2021	CC,DF,KB	TB
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2021

BARTON DRIVE - PROPOSED SIDEWALK

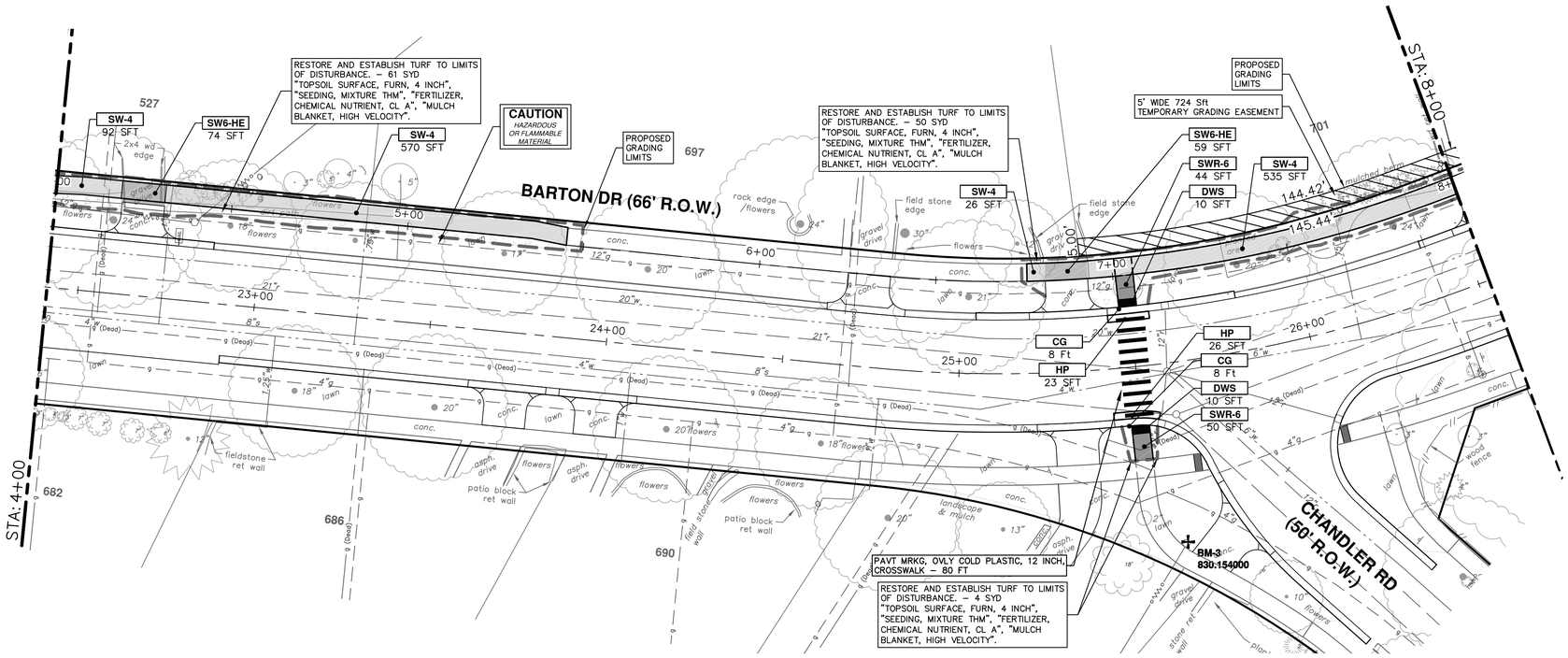
STA. 0+00 - STA. 4+00

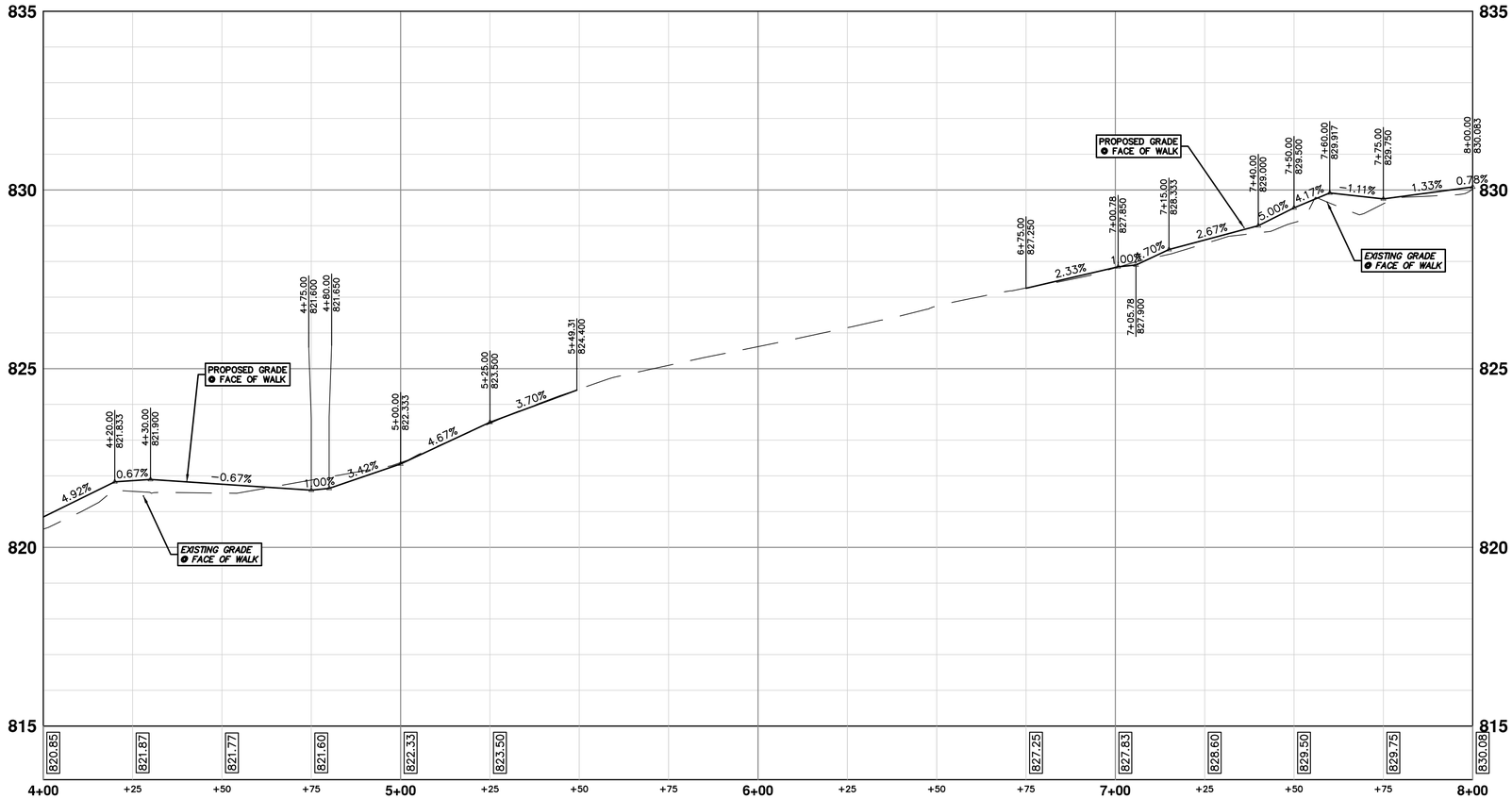
SCALE PLAN: 1" = 20' PROFILE: 1" = 2'

DRAWING No. 2021007-11

SHEET No. 11 OF 30

R:\2019027 Barton Dr\Plan Production\20210071G2 Barton.dwg Dwg Created: 1–Jun–21 – _a2 standard bw.stb – Plot Date: 3–Jun–21





CONSTRUCTION KEY

KEY	DESCRIPTION
HMA	PLACE HMA, LVSP. PLACE MATERIAL IN LIFTS ACCORDING TO THE TYPICAL SECTION AND AS DIRECTED BY THE ENGINEER.
HP	HAND PATCHING
HMA APP	PLACE HMA APPROACH
CG	PLACE CURB AND GUTTER, CONC, F4, SPECIAL
DC-6	PLACE CONC, DRIVE APPROACH, NON–REINFORCED, P–NC, 6 INCH. PLACE AND COMPACT 6 INCH SUBBASE, CIP, CLASS II GRANULAR MATERIAL, MODIFIED.
SW-4	PLACE SIDEWALK, CONC, 4 INCH, MODIFIED
SWR-6	PLACE SIDEWALK, SIDEWALK RAMP, CONC, 6 INCH, MODIFIED
SW6-HE	PLACE SIDEWALK, CONC, 6 INCH, H.E.
SW8	PLACE SIDEWALK, CONC, 8 INCH, FIBERMESH
SW8-HE	PLACE SIDEWALK, CONC, 8 INCH, FIBERMESH, H.E.
DWS	DETECTABLE WARNING, CAST IN PLACE
SW-RWS	INTEGRAL SIDEWALK ROLLED CURB (SFT)
ADJ	ADJUST STRUCTURE COVER

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

NO	REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	ISSUED FOR BID		6–3–2021	CC,DF,KB	TB

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2021

BARTON DRIVE - PROPOSED SIDEWALK

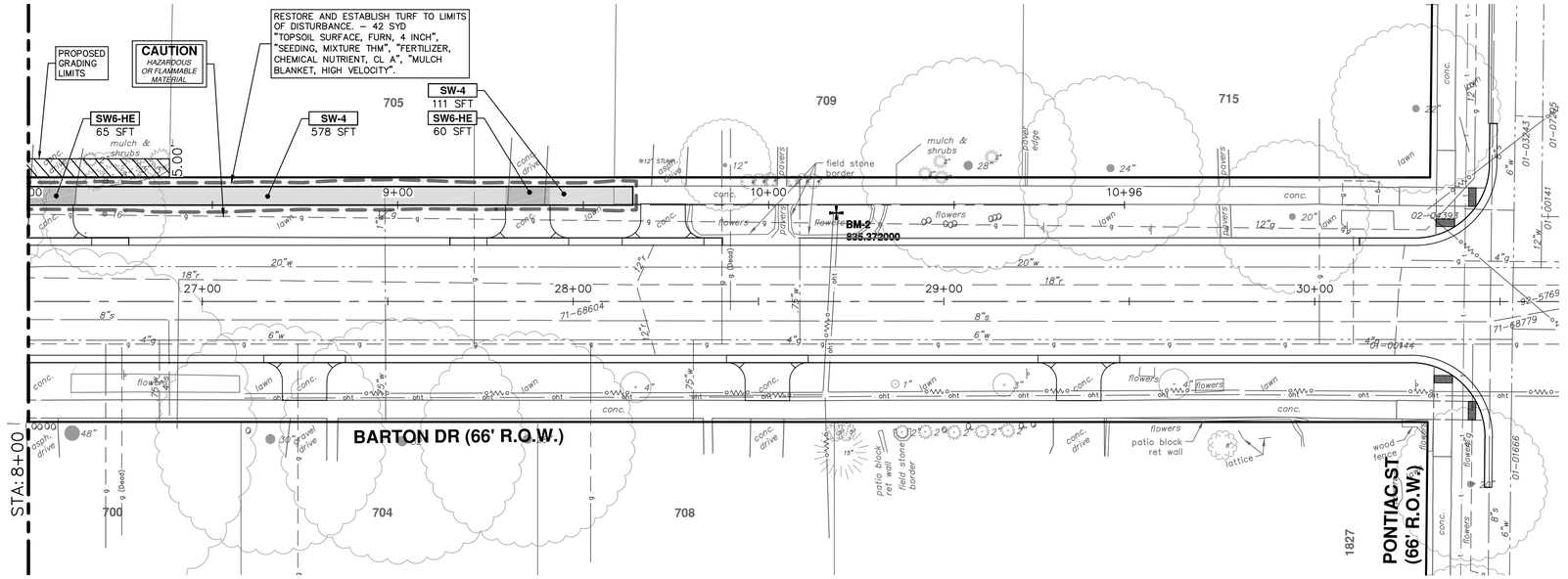
STA. 4+00 - STA. 8+00

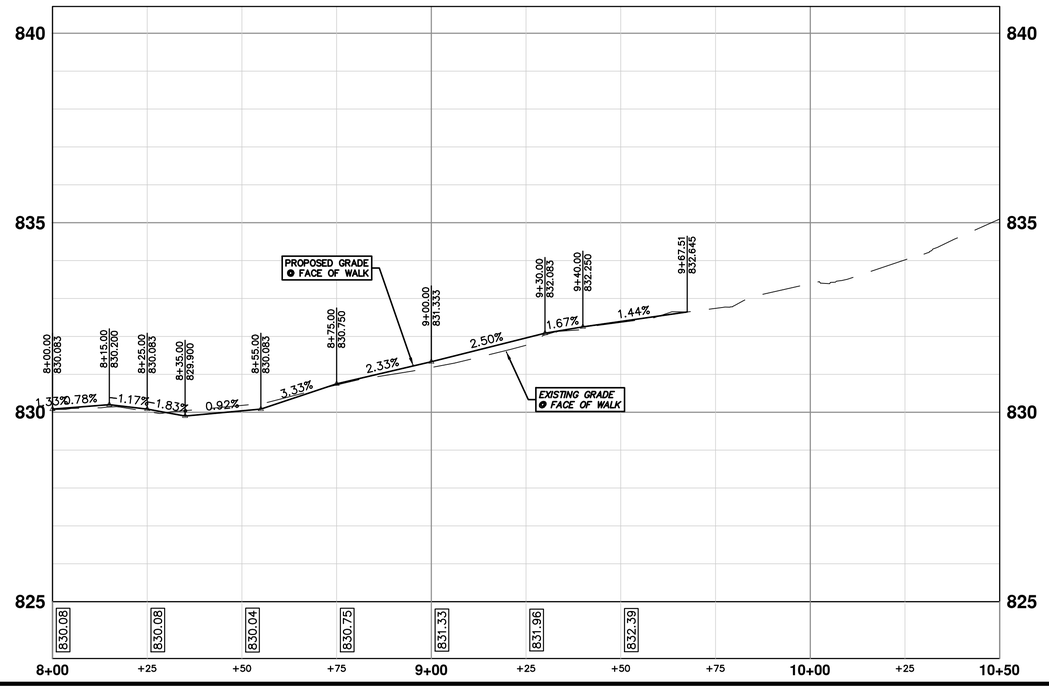
SCALE PLAN: 1" = 20' PROFILE: 1" = 2'

DRAWING No. 2021007-12

SHEET No. 12 OF 30

R:\2019027 Barton Dr\Plan Production\2021007\G2 Barton.dwg Dwg Created: 1–Jun–21 – _a2 standard bw.stb – Plot Date: 3–Jun–21





CONSTRUCTION KEY

KEY	DESCRIPTION
HMA	PLACE HMA, LVSP. PLACE MATERIAL IN LIFTS ACCORDING TO THE TYPICAL SECTION AND AS DIRECTED BY THE ENGINEER.
HP	HAND PATCHING
HMA APP	PLACE HMA APPROACH
CG	PLACE CURB AND GUTTER, CONC, F4, SPECIAL
DC-6	PLACE CONC, DRIVE APPROACH, NON-REINFORCED, P-NC, 6 INCH. PLACE AND COMPACT 6 INCH SUBBASE, CIP, CLASS II GRANULAR MATERIAL, MODIFIED.
SW-4	PLACE SIDEWALK, CONC, 4 INCH, MODIFIED
SWR-6	PLACE SIDEWALK, SIDEWALK RAMP, CONC, 6 INCH, MODIFIED
SW6-HE	PLACE SIDEWALK, CONC, 6 INCH, H.E.
SW8	PLACE SIDEWALK, CONC, 8 INCH, FIBERMESH
SW8-HE	PLACE SIDEWALK, CONC, 8 INCH, FIBERMESH, H.E.
DWS	DETECTABLE WARNING, CAST IN PLACE
SW-RWS	INTEGRAL SIDEWALK ROLLED CURB (SFT)
ADJ	ADJUST STRUCTURE COVER

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2021

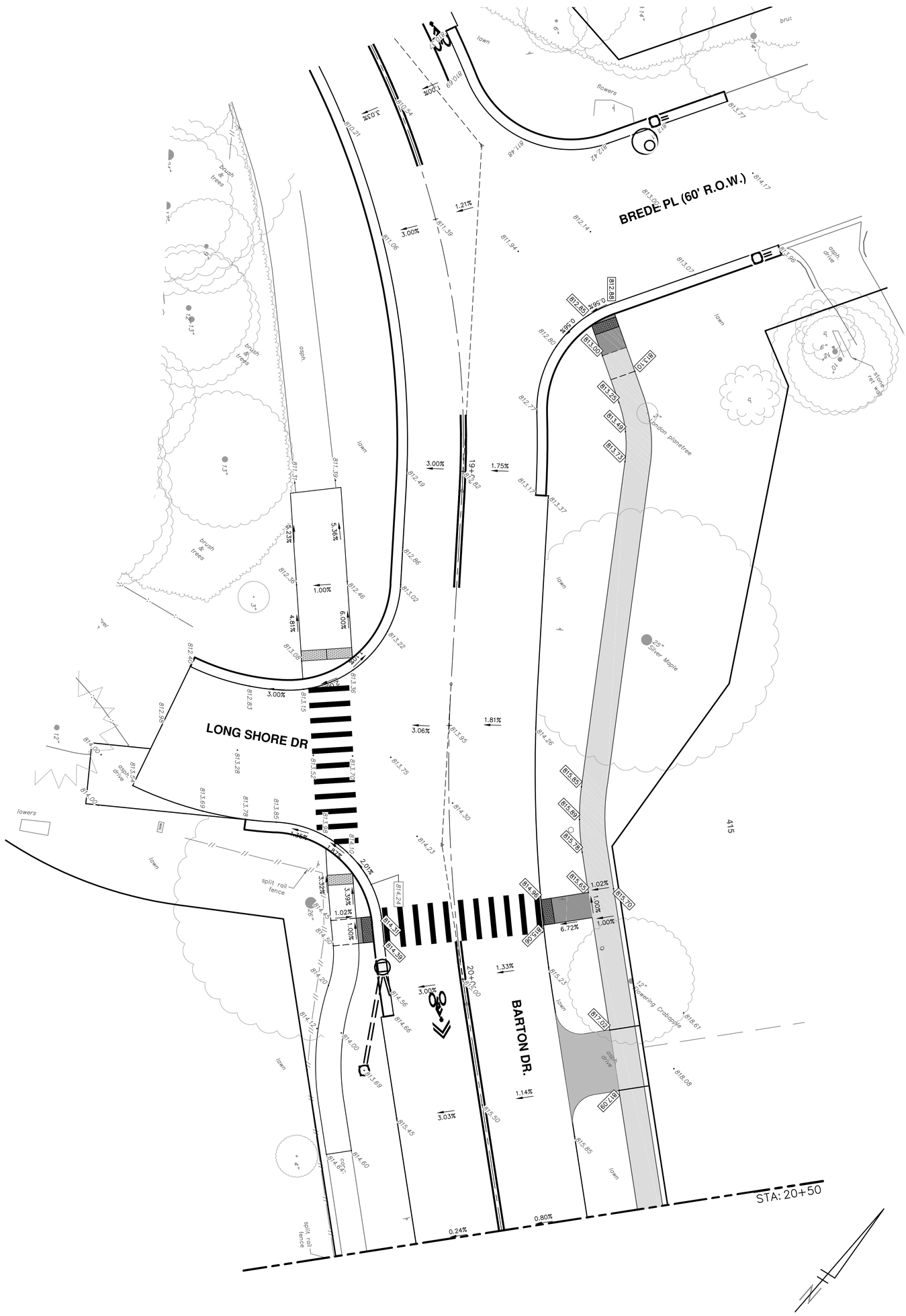
BARTON DRIVE - PROPOSED SIDEWALK

STA. 8+00 - STA. 9+69

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

DRAWING No. **2021007-13**

SHEET No. **13 OF 30**



00	ISSUED FOR BID	6-3-2021	CC,DF,KB	TB	
REV.	DESCRIPTION	DATE	DRAWN	CHECKED	

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE : 1"=10'

DRAWING No.
2021007-14

SIDEWALK GAP ELIMINATION - 2021

BARTON DRIVE - INTERSECTION GRADES

BARTON DR AT BREDE PL AND LONG SHORE DR

SHEET No.
14 OF 30

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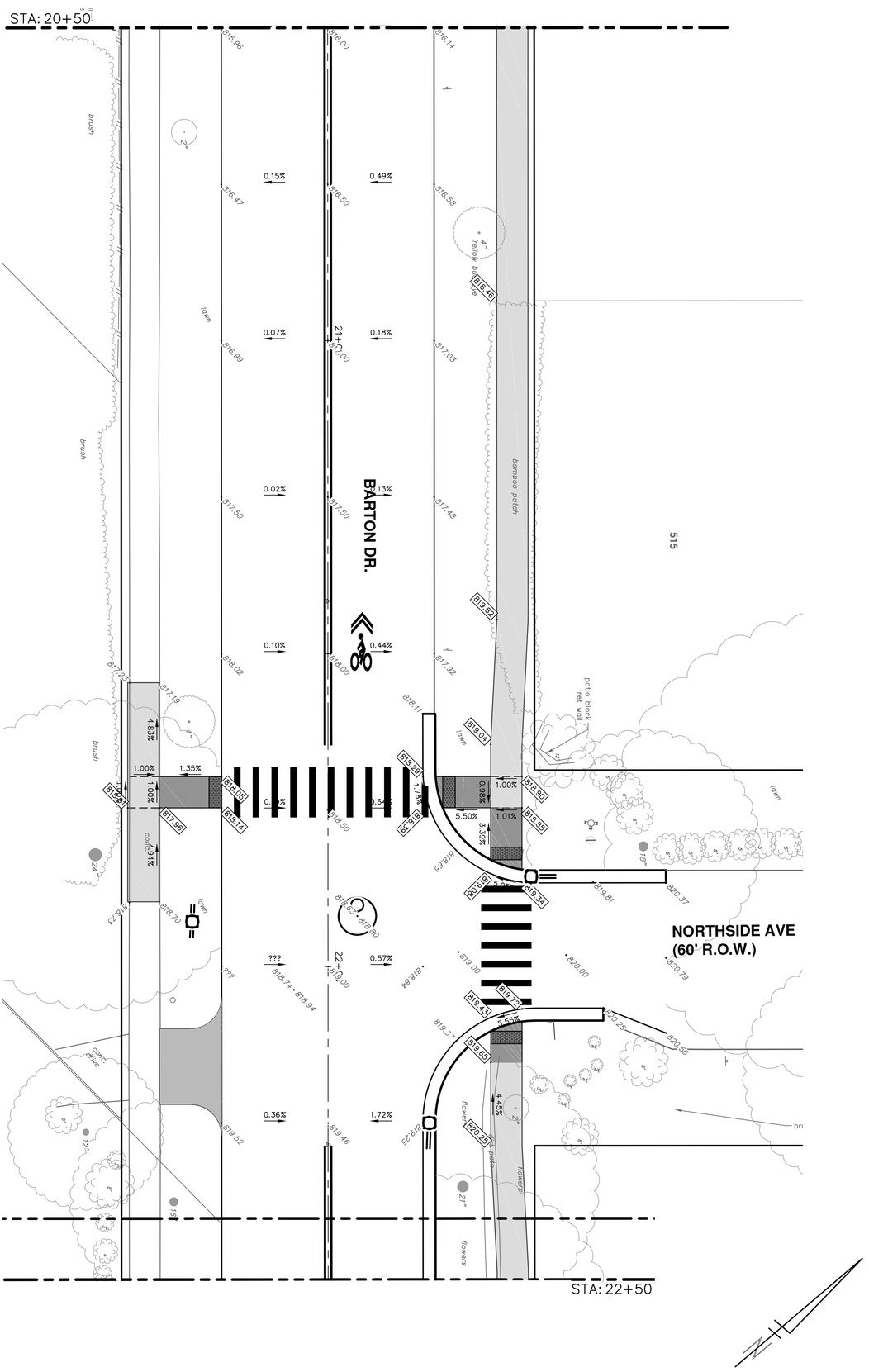

SHEET No. 15 OF 30	CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING	CITY OF ANN ARBOR PUBLIC SERVICES 301 EAST HURON STREET P.O. BOX 8647 ANN ARBOR, MI 48107-8647 734-794-6410 www.a2gov.org		
SCALE : 1"=10'	SIDEWALK GAP ELIMINATION - 2021			
DRAWING No. 2021007-15	BARTON DRIVE - INTERSECTION GRADES			
	BARTON DR AT NORTHSIDE AVE			

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	ISSUED FOR BID	6-3-2021	CC,DF,KB	TB

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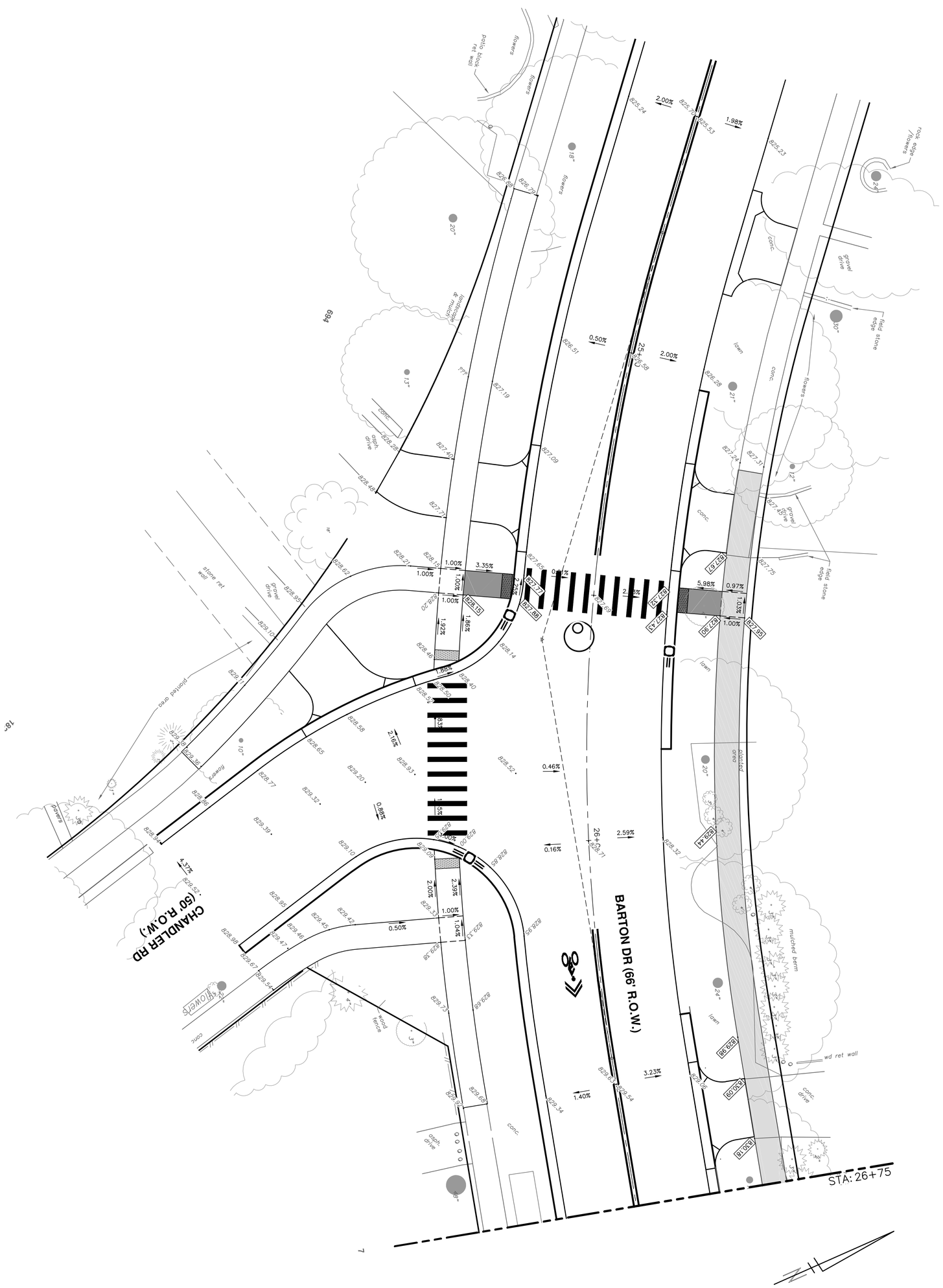
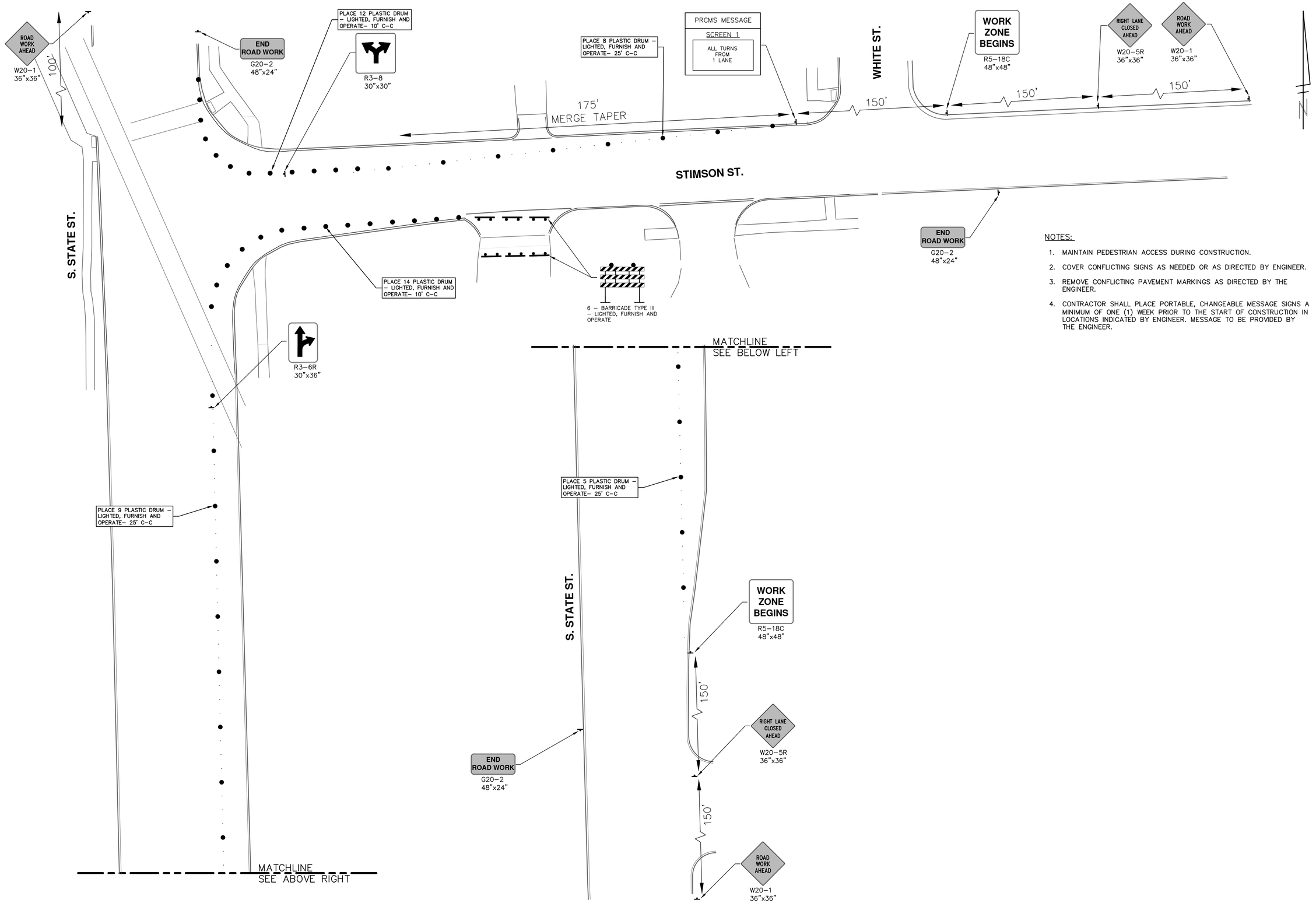
R:\2019027 Barton Dr\Plan Production\2021007 IG.dwg Dwg Created: 20-May-21 - _a2 standard bw.stb - Plot Date: 3-Jun-21



SHEET No. 16 OF 30	CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING	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			
SCALE : 1"=10'	SIDEWALK GAP ELIMINATION - 2021				
DRAWING No. 2021007-16	BARTON DRIVE - INTERSECTION GRADES				
	BARTON DR AT CHANDLER RD				
		00 ISSUED FOR BID	6-3-2021	CC,DF,KB	TB
		REV. DESCRIPTION	DATE	DRAWN	CHECKED

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



NOTES:

1. MAINTAIN PEDESTRIAN ACCESS DURING CONSTRUCTION.
2. COVER CONFLICTING SIGNS AS NEEDED OR AS DIRECTED BY ENGINEER.
3. REMOVE CONFLICTING PAVEMENT MARKINGS AS DIRECTED BY THE ENGINEER.
4. CONTRACTOR SHALL PLACE PORTABLE, CHANGEABLE MESSAGE SIGNS A MINIMUM OF ONE (1) WEEK PRIOR TO THE START OF CONSTRUCTION IN LOCATIONS INDICATED BY ENGINEER. MESSAGE TO BE PROVIDED BY THE ENGINEER.

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2021

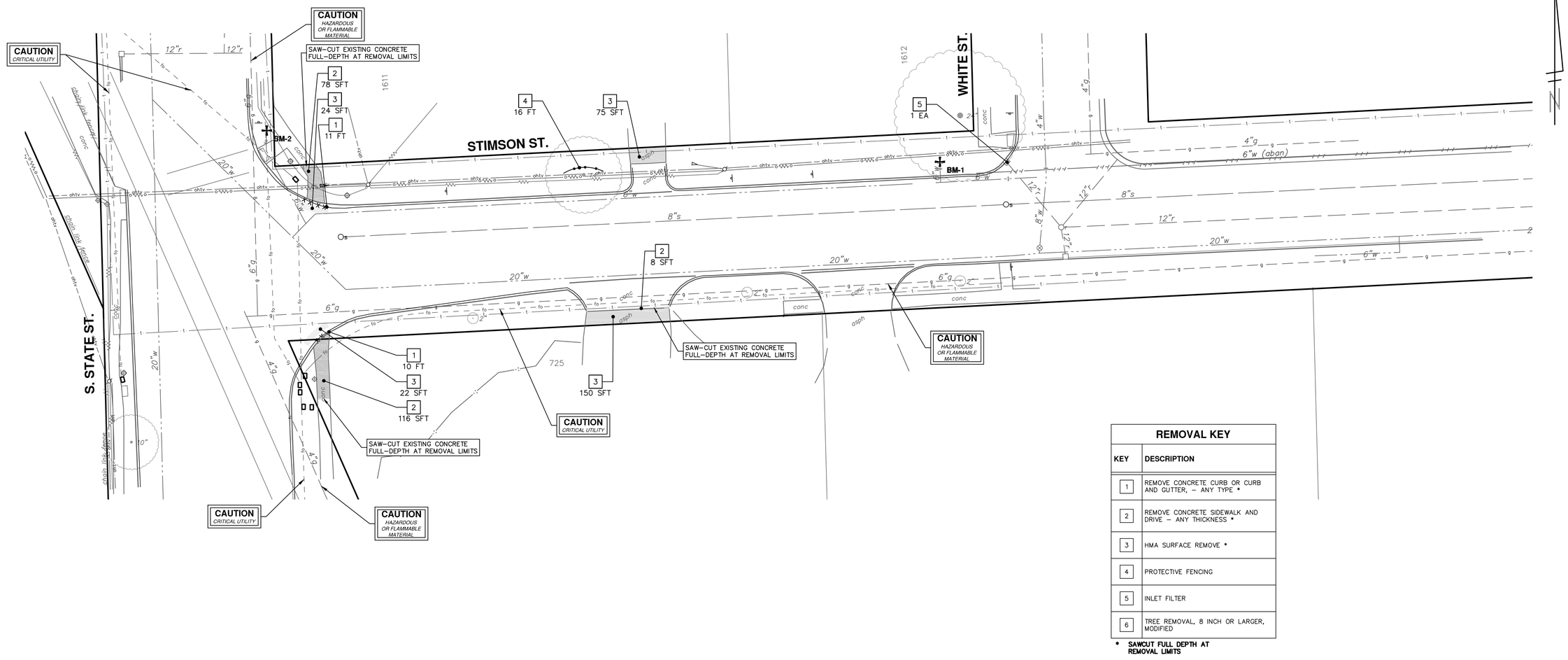
MAINTENANCE OF TRAFFIC

SCALE PLAN: 1" = 20'

DRAWING No. 2021007-17

SHEET No. 17 OF 30

R:\2019037 Stimson Sidewalk Gaps\Plan Production\2019037Mtrf.dwg Dwg Created: 1-Jun-21 — _a2 standard bw.stb — Plot Date: 3-Jun-21



REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER, – ANY TYPE *
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA SURFACE REMOVE *
4	PROTECTIVE FENCING
5	INLET FILTER
6	TREE REMOVAL, 8 INCH OR LARGER, MODIFIED

* **SAWCUT FULL DEPTH AT REMOVAL LIMITS**

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

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	ISSUED FOR BID	6-3-2021	CC,DF,KB	TB

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2021

REMOVALS

SCALE **PLAN: 1" = 20'**

DRAWING No. **2021007-18**

SHEET No. **18 OF 30**

CONSTRUCTION KEY

KEY	DESCRIPTION
HMA	PLACE HMA, LVSP. PLACE MATERIAL IN LIFTS ACCORDING TO THE TYPICAL SECTION AND AS DIRECTED BY THE ENGINEER.
HP	HAND PATCHING
HMA APP	PLACE HMA APPROACH
CG	PLACE CURB AND GUTTER, CONC, F4, SPECIAL
DC-6	PLACE CONC, DRIVE APPROACH, NON-REINFORCED, P-NC, 6 INCH. PLACE AND COMPACT 6 INCH SUBBASE, CIP, CLASS II GRANULAR MATERIAL, MODIFIED.
SW-4	PLACE SIDEWALK, CONC, 4 INCH, MODIFIED
SWR-6	PLACE SIDEWALK, SIDEWALK RAMP, CONC, 6 INCH, MODIFIED
SW6-HE	PLACE SIDEWALK, CONC, 6 INCH, H.E.
SW8	PLACE SIDEWALK, CONC, 8 INCH, FIBERMESH
SW8-HE	PLACE SIDEWALK, CONC, 8 INCH, FIBERMESH, H.E.
DWS	DETECTABLE WARNING, CAST IN PLACE
SW-RWS	INTEGRAL SIDEWALK ROLLED CURB (SFT)
ADJ	ADJUST STRUCTURE COVER

Know what's below. Call before you dig.

00	ISSUED FOR BID	6-3-2021	CC,DF,KB	TB
REV.	DESCRIPTION	DATE	DRAWN	CHECKED

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SIDEWALK GAP ELIMINATION - 2021

PROPOSED SIDEWALK

SCALE PLAN: 1" = 20'

DRAWING No. 2021007-19

SHEET No. 19 OF 30

R:\2019037 Stimson Sidewalk Gaps\Plan Production\2019037Prwalk.dwg Dwg Created: 2-Jun-21 – _a2 standard bw.stb – Plot Date: 3-Jun-21

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	DESCRIPTION	DATE	DRAWN	CHECKED

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SIDEWALK GAP ELIMINATION - 2021

STIMSON STREET

PROPOSED SIDEWALK GRADES NORTH

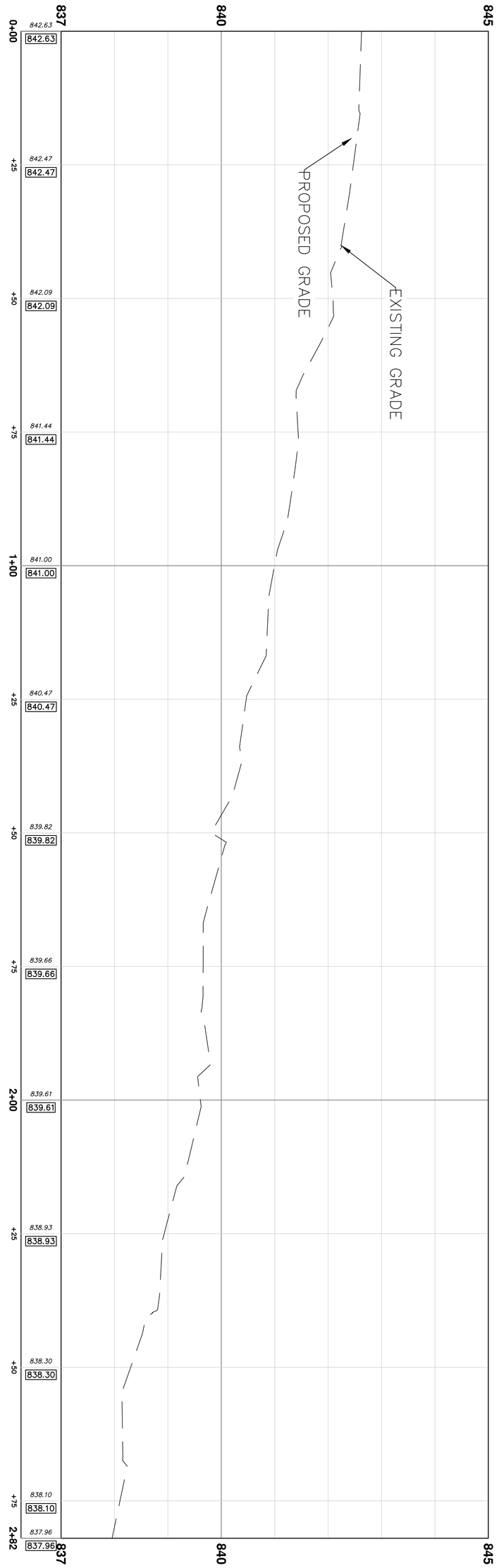
SCALE **PLAN: 1" = 10'**

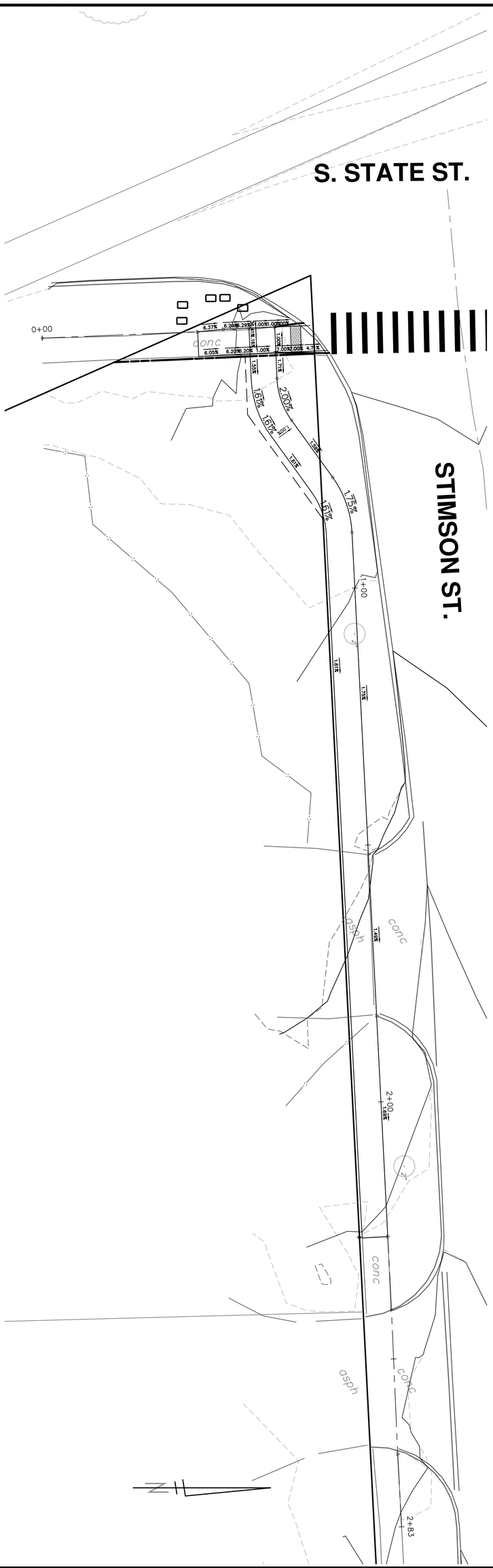
DRAWING No.
2021007-20

SHEET No.
20 OF 30

R:\2019037 Stimson Sidewalk Gaps\Plan Production\2019037 Stimson IG.dwg Dwg Created: 2-Jun-21 - _a2 standard bw.stb - Plot Date: 3-Jun-21

R:\2019037 Stimson Sidewalk Gaps\Plan Production\2019037 Stimson IG.dwg Dwg Created: 2-Jun-21 - _a2 standard bw.stb - Plot Date: 3-Jun-21





SHEET No. 21 OF 30

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 10'

DRAWING No. 2021007-21

SIDEWALK GAP ELIMINATION - 2021

STIMSON STREET

PROPOSED SIDEWALK GRADES SOUTH

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	ISSUED FOR BID	6-3-2021	CC,DF,KB	TB

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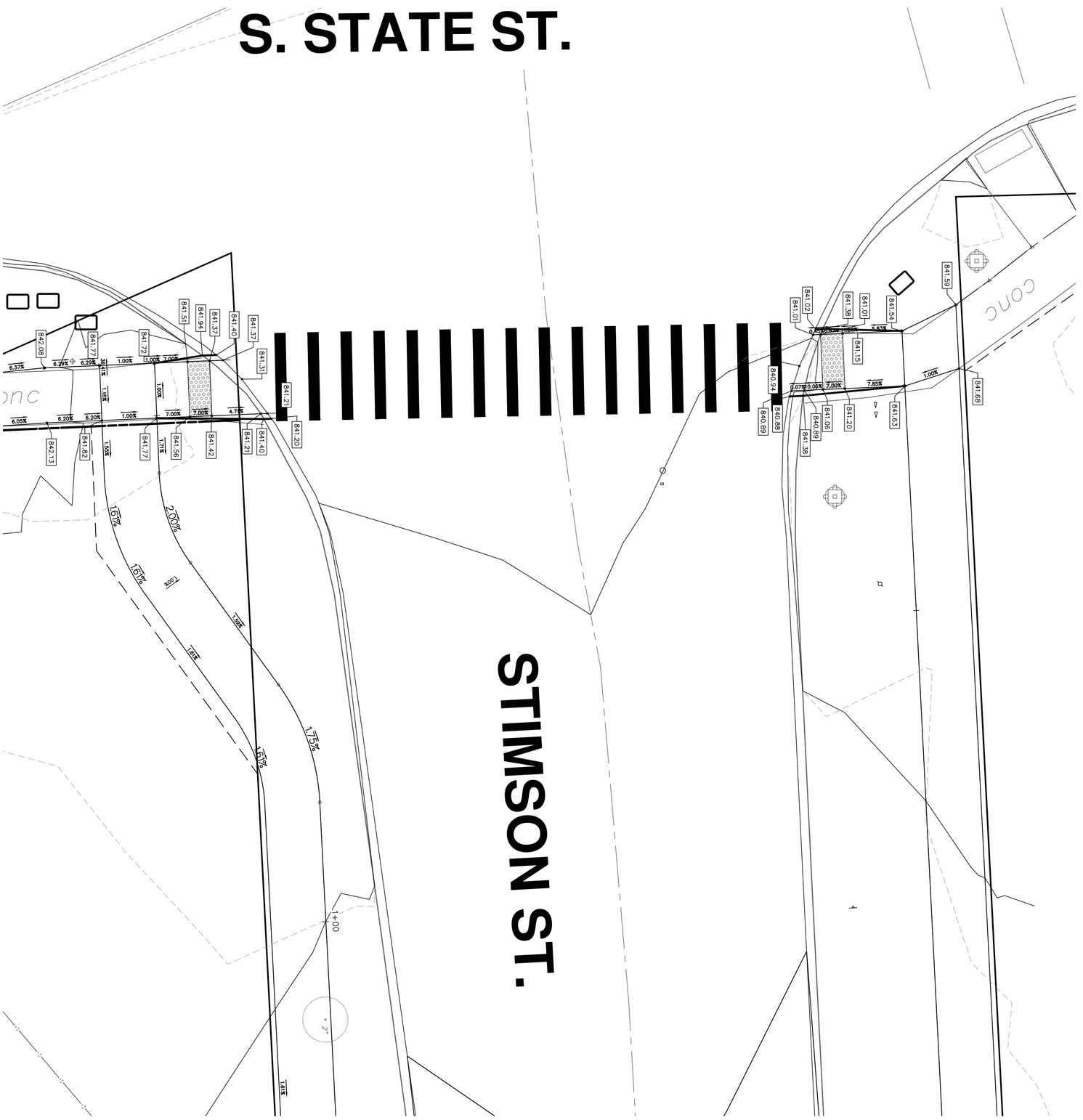

SHEET No.
22 OF 30

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 5'

DRAWING No.
2021007-22

SIDEWALK GAP ELIMINATION - 2021

STIMSON STREET

RAMP DETAILS

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
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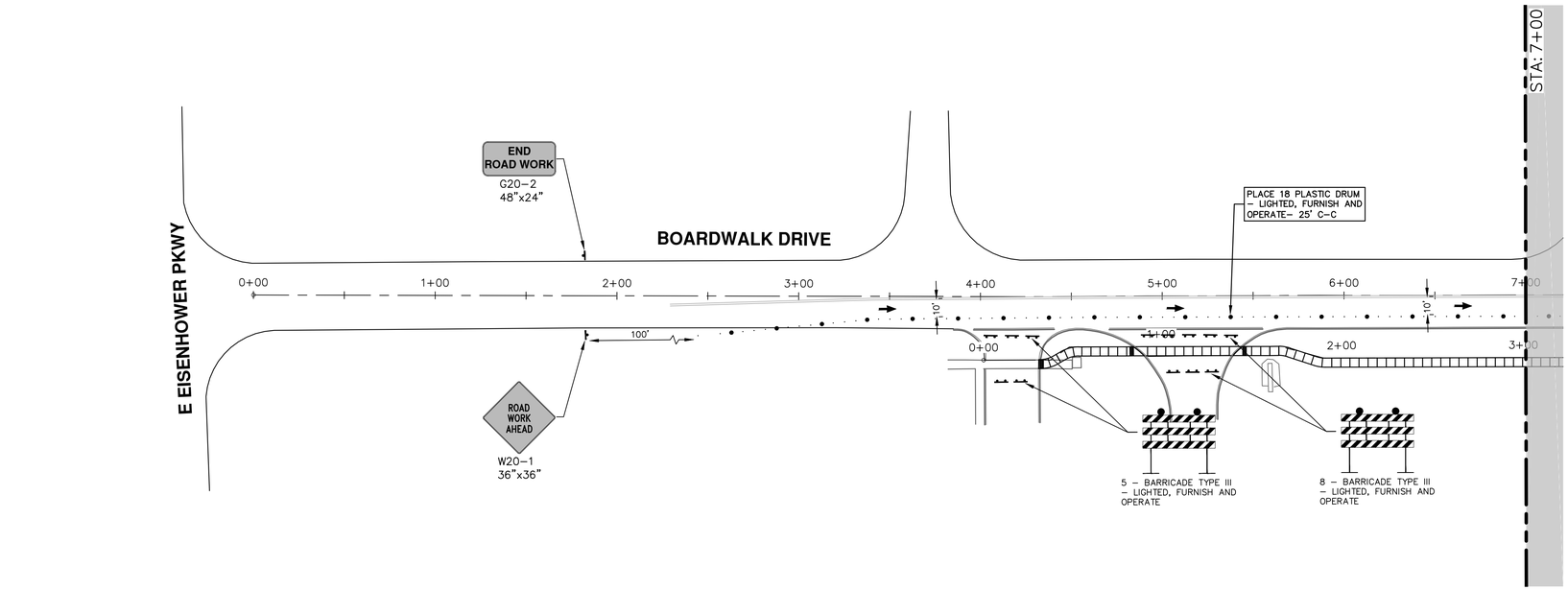

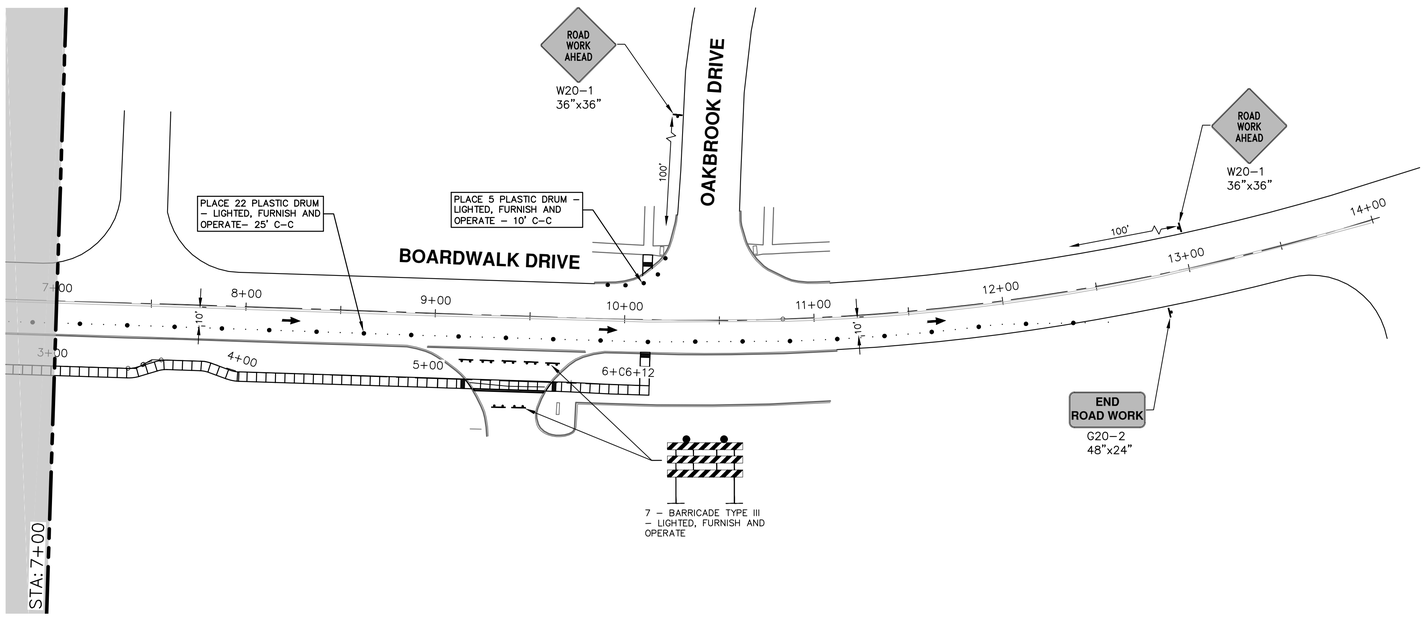

NOTES:

1. UTILIZE PLASTIC DRUMS AND PROTECTIVE FENCING WITHIN WORK ZONE TO DELINEATE OPEN TRENCHES AS DIRECTED BY ENGINEER.
2. MAINTAIN PEDESTRIAN ACCESS DURING CONSTRUCTION.
3. COVER CONFLICTING SIGNS AS NEEDED OR AS DIRECTED BY ENGINEER.
4. CONTRACTOR SHALL PLACE PORTABLE, CHANGEABLE MESSAGE SIGNS A MINIMUM OF ONE (1) WEEK PRIOR TO THE START OF CONSTRUCTION IN LOCATIONS INDICATED BY ENGINEER. MESSAGE TO BE PROVIDED BY THE ENGINEER.

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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	ISSUED FOR BID	6-3-2021	CC,DF,KB	TB

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2021

BOARDWALK DRIVE

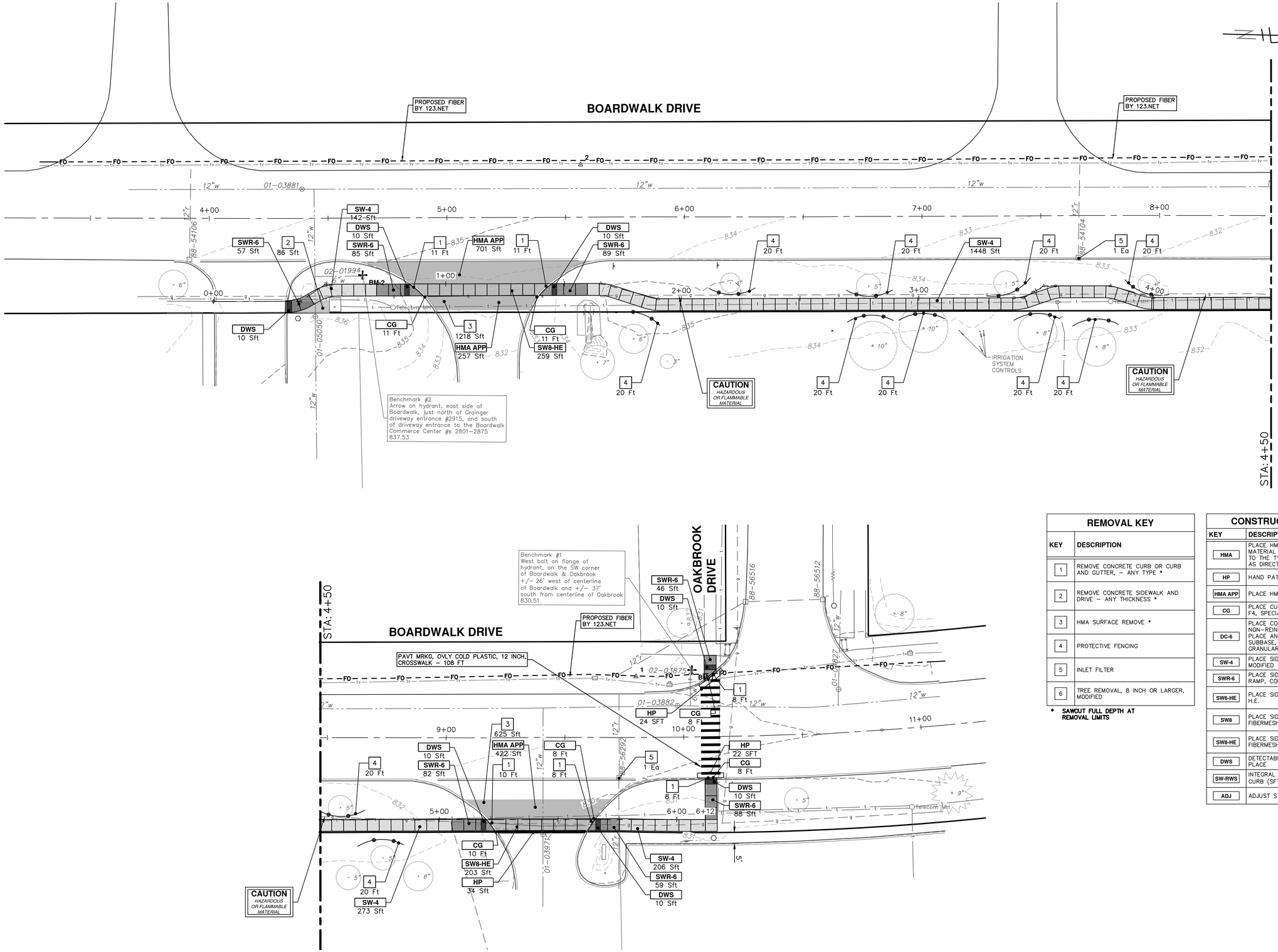
MAINTENANCE OF TRAFFIC

SCALE : 1" = 40'

DRAWING No.
2021007-23

SHEET No.
23 OF 30

R:\2021007 Sidewalk Gaps\Plan Production\2021007Mtrf Boardwalk.dwg Dwg Created: 20-May-21 – _a2 standard bw.stb – Plot Date: 3-Jun-21



REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER, – ANY TYPE *
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA SURFACE REMOVE *
4	PROTECTIVE FENCING
5	INLET FILTER
6	TREE REMOVAL, 8 INCH OR LARGER, MODIFIED

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

CONSTRUCTION KEY

KEY	DESCRIPTION
HMA	PLACE HMA, LVSP. PLACE MATERIAL IN LIFTS ACCORDING TO THE TYPICAL SECTION AND AS DIRECTED BY THE ENGINEER.
HP	HAND PATCHING
HMA APP	PLACE HMA APPROACH
CG	PLACE CURB AND GUTTER, CONC, F4, SPECIAL
DC-6	PLACE CONC, DRIVE APPROACH, NON–REINFORCED, P–NC, 6 INCH. PLACE AND COMPACT 6 INCH SUBBASE, CIP, CLASS II GRANULAR MATERIAL, MODIFIED.
SW-4	PLACE SIDEWALK, CONC, 4 INCH, MODIFIED
SWR-6	PLACE SIDEWALK, SIDEWALK RAMP, CONC, 6 INCH, MODIFIED
SW6-HE	PLACE SIDEWALK, CONC, 6 INCH, H.E.
SW8	PLACE SIDEWALK, CONC, 8 INCH, FIBERMESH
SW8-HE	PLACE SIDEWALK, CONC, 8 INCH, FIBERMESH, H.E.
DWS	DETECTABLE WARNING, CAST IN PLACE
SW-RWS	INTEGRAL SIDEWALK ROLLED CURB (SFT)
ADJ	ADJUST STRUCTURE COVER

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

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	ISSUED FOR BID	6–3–2021	CC,DF,KB	TB

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2021

BOARDWALK DRIVE

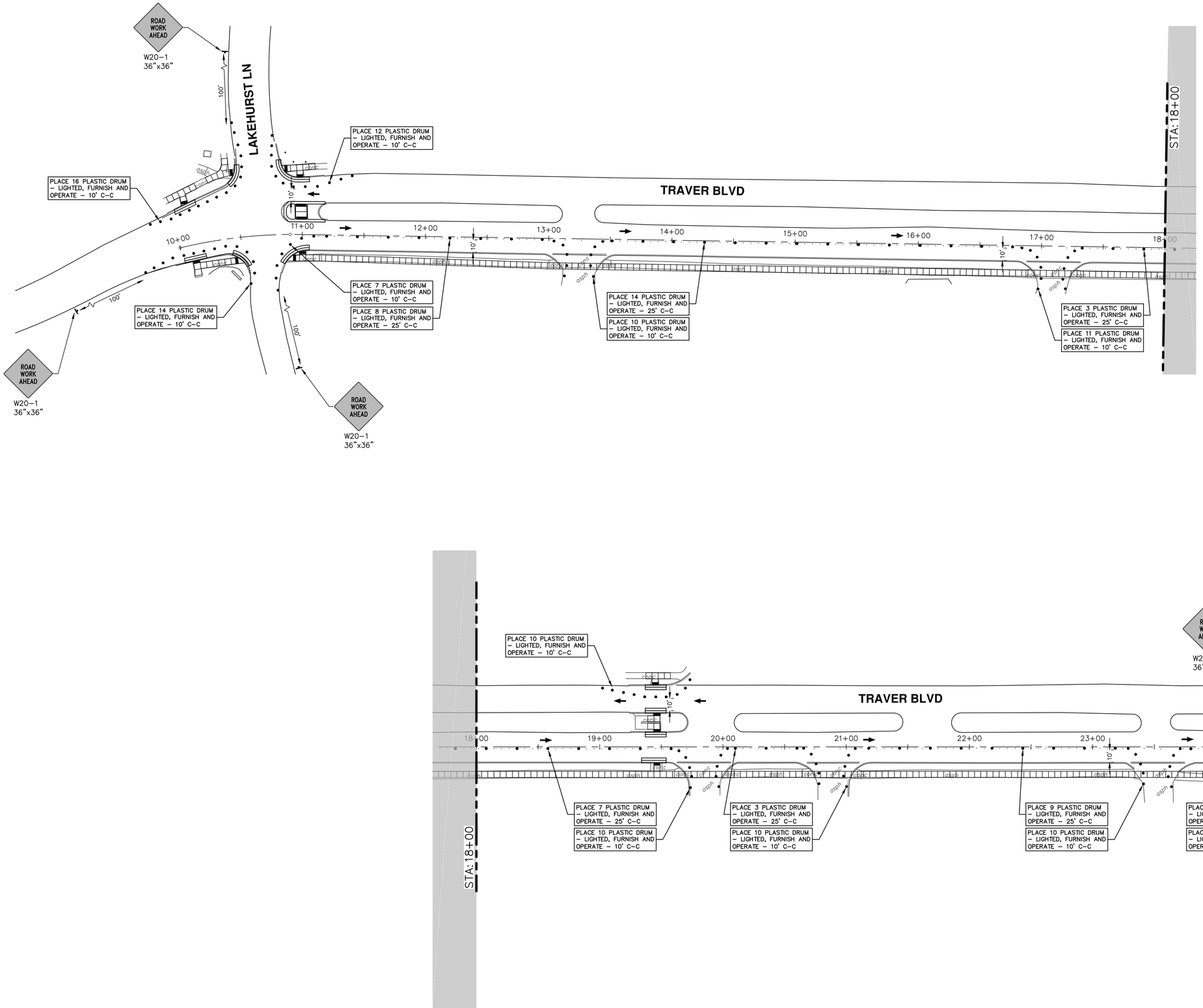
REMOVALS AND PROPOSED SIDEWALK

SCALE : 1" = 20'

DRAWING No. 2021007-24

SHEET No. 24 OF 30

R:\2021007 Sidewalk Gaps\Plan Production\20210007Prwalk Boardwalk.dwg Dwg Created: 2-Jun-21 – _a2 standard bw.stb – Plot Date: 3-Jun-21



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REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	ISSUED FOR BID	6-3-2021	CC,DF,KB	TB

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2021

TRAVER BLVD

MAINTENANCE OF TRAFFIC - PH I

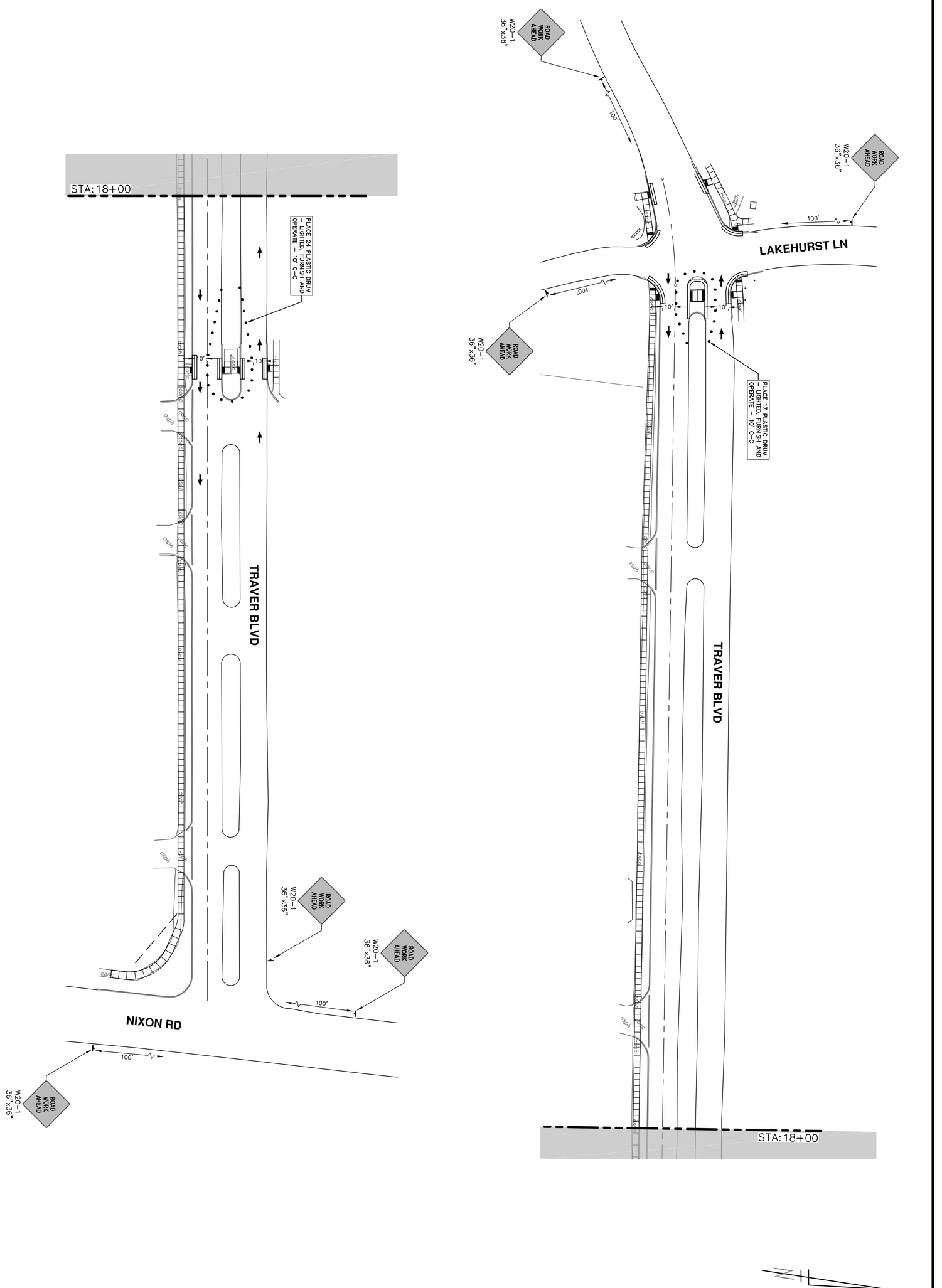
SCALE : 1" = 40'

DRAWING No.
2021007-25

SHEET No.
25 OF 30

R:\2021007 Sidewalk Gaps\Plan Production\2021007Mtrf Traver.dwg Dwg Created: 2-Jun-21 - _a2 standard bw.stb - Plot Date: 3-Jun-21

R:\2021007 Sidewalk Gaps\Plan Production\2021007Mtrf Traver1.dwg Dwg Created: 2-Jun-21 - _a2 standard bw.stb - Plot Date: 3-Jun-21



SHEET No. 26 OF 30	CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING	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		
SCALE : 1" = 40'	SIDEWALK GAP ELIMINATION - 2021			
DRAWING No. 2021007-26	TRAVER BLVD			
	MAINTENANCE OF TRAFFIC - PH II			

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	ISSUED FOR BID	6-3-2021	CC,DF,KB	TB

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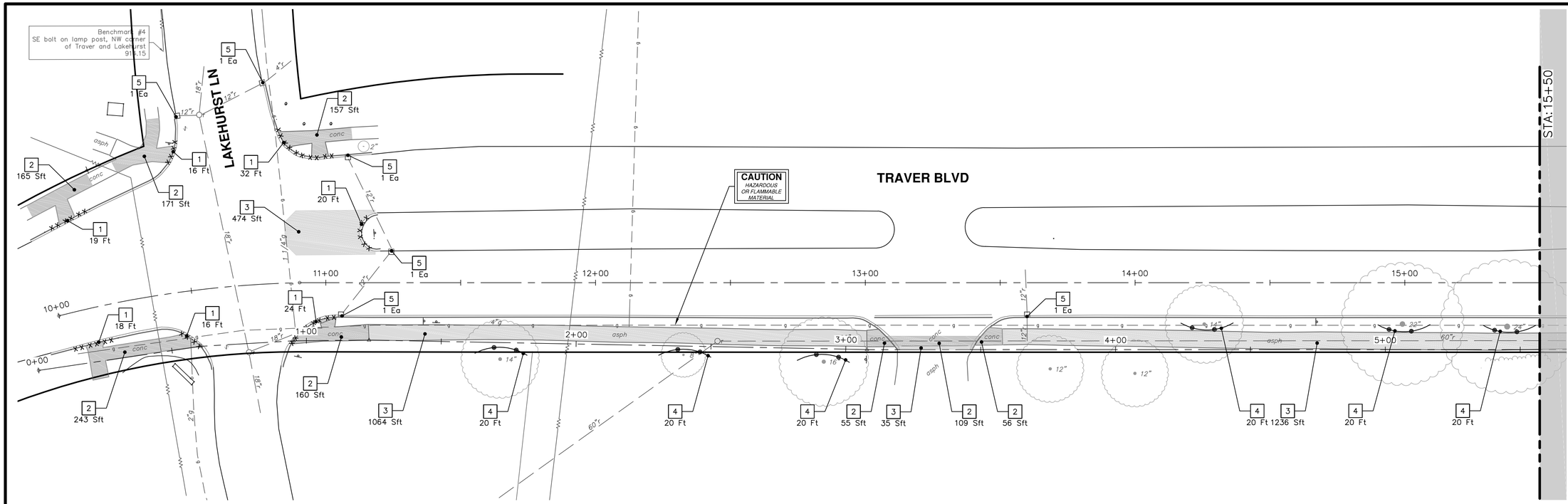

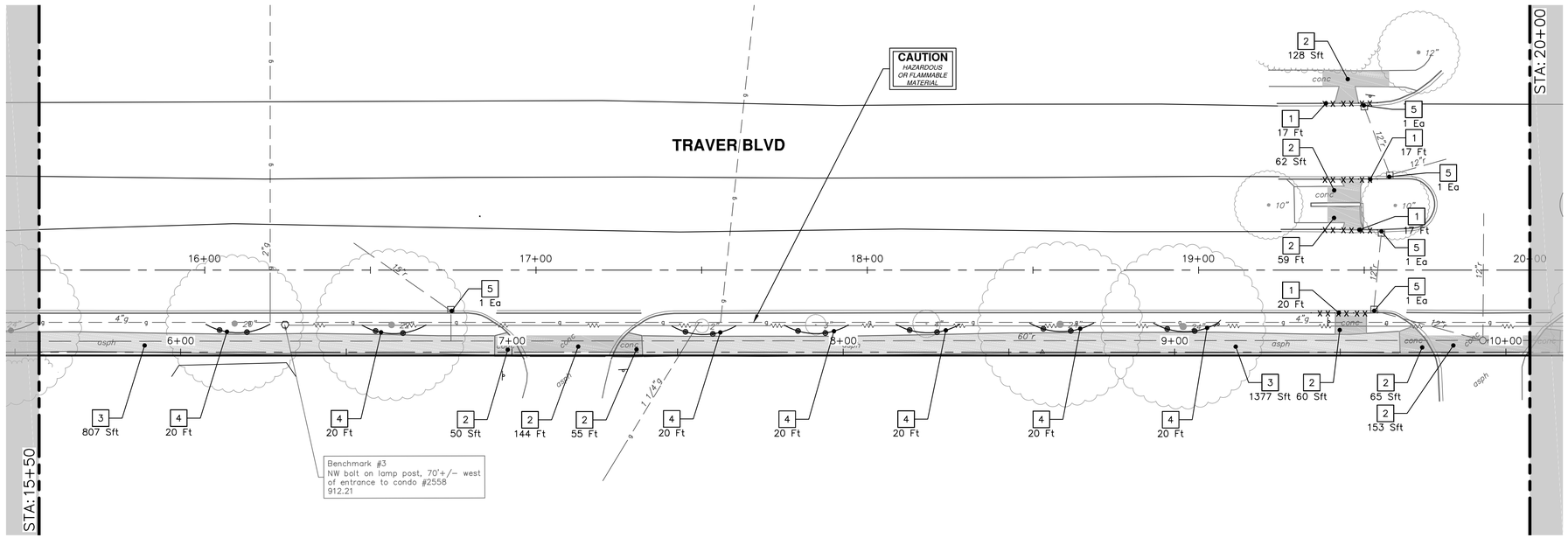

REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER, – ANY TYPE *
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA SURFACE REMOVE *
4	PROTECTIVE FENCING
5	INLET FILTER
6	TREE REMOVAL, 8 INCH OR LARGER, MODIFIED

* SAWCUT FULL DEPTH AT REMOVAL LIMITS

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

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	ISSUED FOR BID	6-3-2021	CC,DP,KB	TB

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2021

TRAVER BLVD

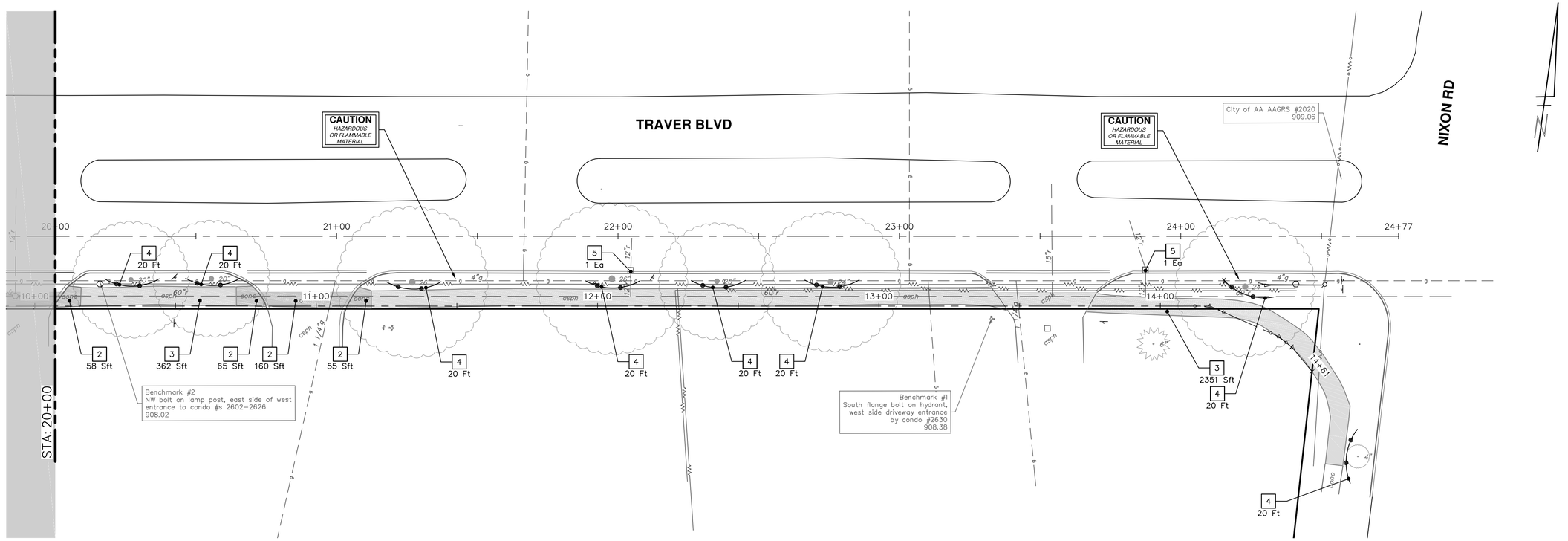
REMOVALS

SCALE : 1" = 20'

DRAWING No. 2021007-27

SHEET No. 27 OF 30

R:\2021007 Sidewalk Gaps\Plan Production\2021007Rem Traver.dwg Dwg Created: 20-May-21 — _a2 standard bw.stb — Plot Date: 3-Jun-21



REMOVAL KEY

KEY	DESCRIPTION
1	REMOVE CONCRETE CURB OR CURB AND GUTTER, – ANY TYPE *
2	REMOVE CONCRETE SIDEWALK AND DRIVE – ANY THICKNESS *
3	HMA SURFACE REMOVE *
4	PROTECTIVE FENCING
5	INLET FILTER
6	TREE REMOVAL, 8 INCH OR LARGER, MODIFIED

*** SAWCUT FULL DEPTH AT REMOVAL LIMITS**

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00	ISSUED FOR BID	6-3-2021	CC,DF,KB	TB

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2021

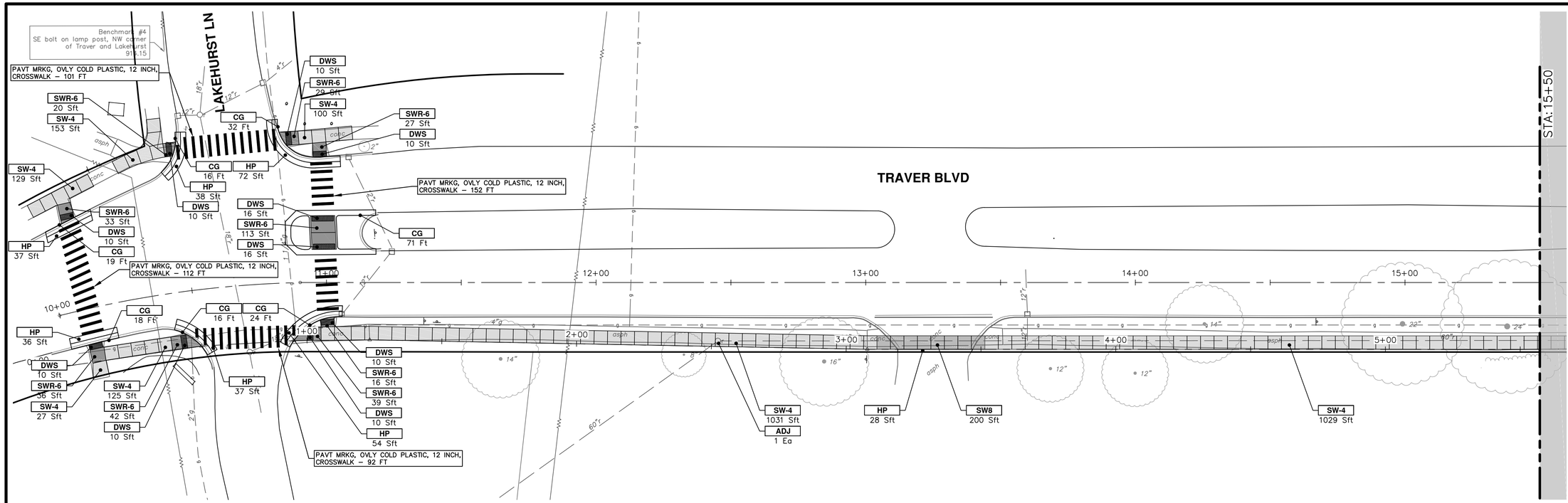
TRAVER BLVD

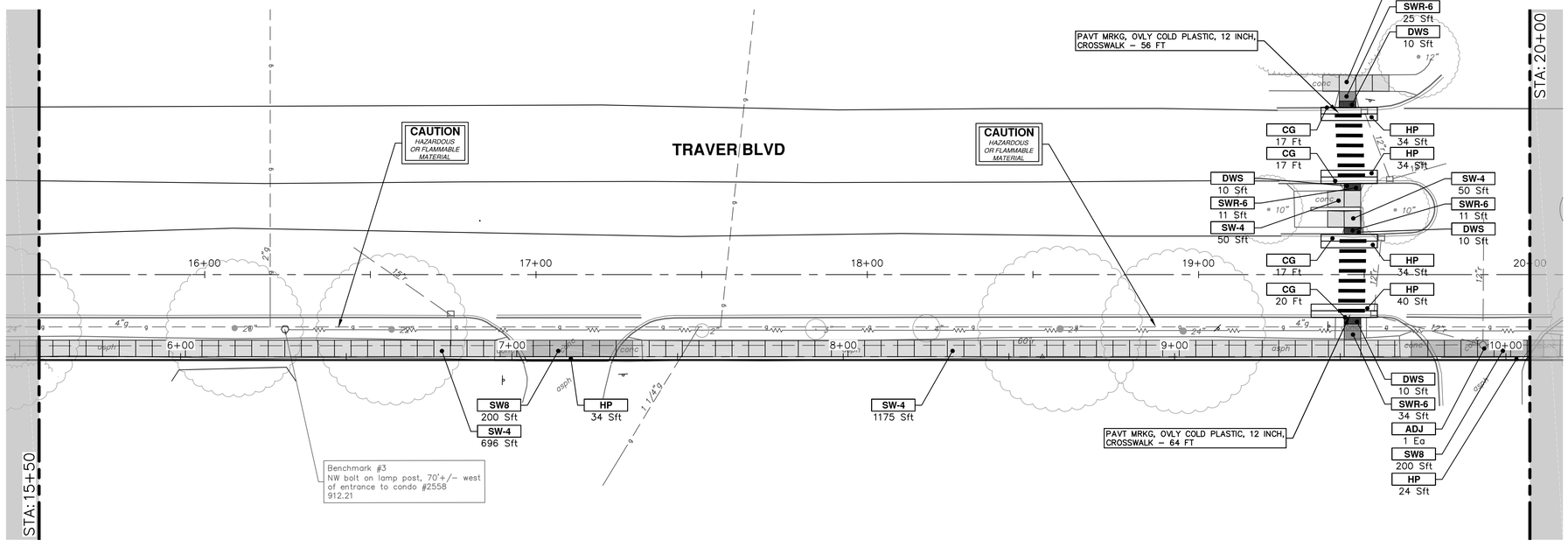
REMOVALS

SCALE : 1" = 20'

DRAWING No.
2021007-28

SHEET No.
28 OF 30





CONSTRUCTION KEY

KEY	DESCRIPTION
HMA	PLACE HMA, LVSP. PLACE MATERIAL IN LIFTS ACCORDING TO THE TYPICAL SECTION AND AS DIRECTED BY THE ENGINEER.
HP	HAND PATCHING
HMA APP	PLACE HMA APPROACH
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DC-6	PLACE CONC, DRIVE APPROACH, NON–REINFORCED, P–NC, 6 INCH. PLACE AND COMPACT 6 INCH SUBBASE, CIP, CLASS II GRANULAR MATERIAL, MODIFIED.
SW-4	PLACE SIDEWALK, CONC, 4 INCH, MODIFIED
SWR-6	PLACE SIDEWALK, SIDEWALK RAMP, CONC, 6 INCH, MODIFIED
SW6-HE	PLACE SIDEWALK, CONC, 6 INCH, H.E.
SW8	PLACE SIDEWALK, CONC, 8 INCH, FIBERMESH
SW8-HE	PLACE SIDEWALK, CONC, 8 INCH, FIBERMESH, H.E.
DWS	DETECTABLE WARNING, CAST IN PLACE
SW-RWS	INTEGRAL SIDEWALK ROLLED CURB (SFT)
ADJ	ADJUST STRUCTURE COVER

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SIDEWALK GAP ELIMINATION - 2021

TRAVER BLVD

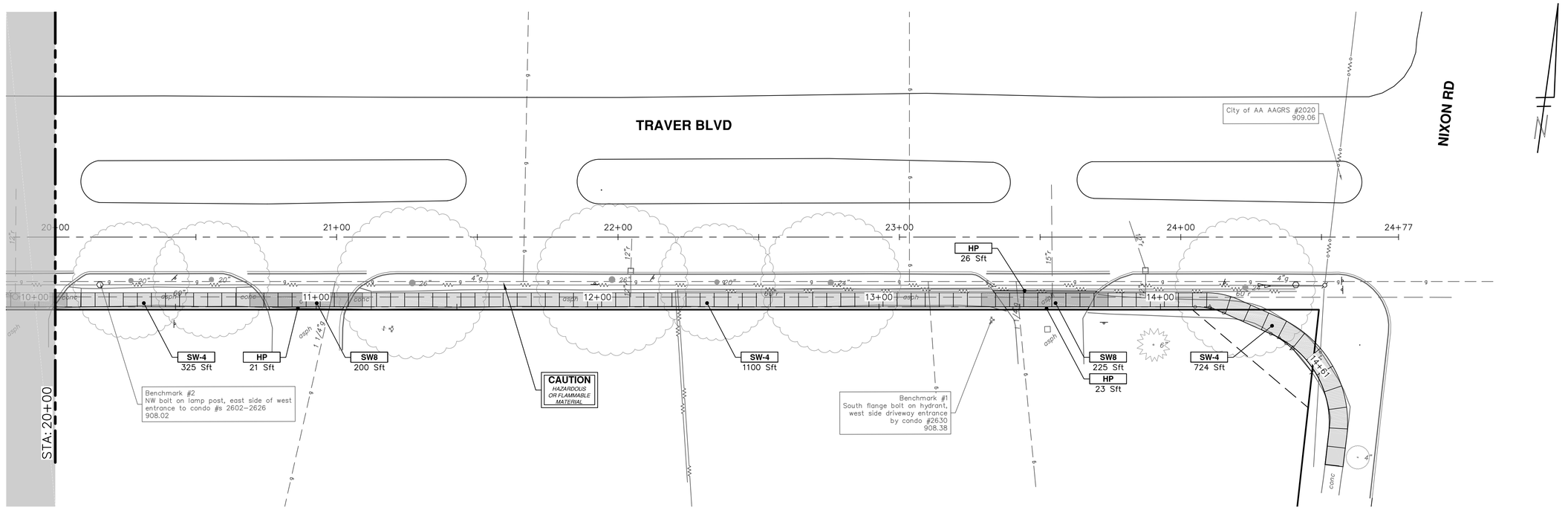
PROPOSED SIDEWALK

SCALE : 1" = 20'

DRAWING No. **2021007-29**

SHEET No. **29 OF 30**

R: \2021007 Sidewalk Gaps\Plan Production\2021007Prwalk Traver.dwg Dwg Created: 2–Jun–21 – _a2 standard bw.stb – Plot Date: 3–Jun–21



CONSTRUCTION KEY	
KEY	**DESCRIPTION**
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SW6-HE	PLACE SIDEWALK, CONC, 6 INCH, H.E.
SW8	PLACE SIDEWALK, CONC, 8 INCH, FIBERMESH
SW8-HE	PLACE SIDEWALK, CONC, 8 INCH, FIBERMESH, H.E.
DWS	DETECTABLE WARNING, CAST IN PLACE
SW-RWS	INTEGRAL SIDEWALK ROLLED CURB (SFT)
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SIDEWALK GAP ELIMINATION - 2021

TRAVER BLVD

PROPOSED SIDEWALK

SCALE : 1" = 20'

DRAWING No.
2021007-30

SHEET No.
30 OF 30