

MERIDIAN CHARTER TOWNSHIP

IN COOPERATION WITH THE INGHAM COUNTY ROAD DEPARTMENT

2025 LOCAL STREET CRUSHING AND RESURFACING

SDA JOB No. MD24001

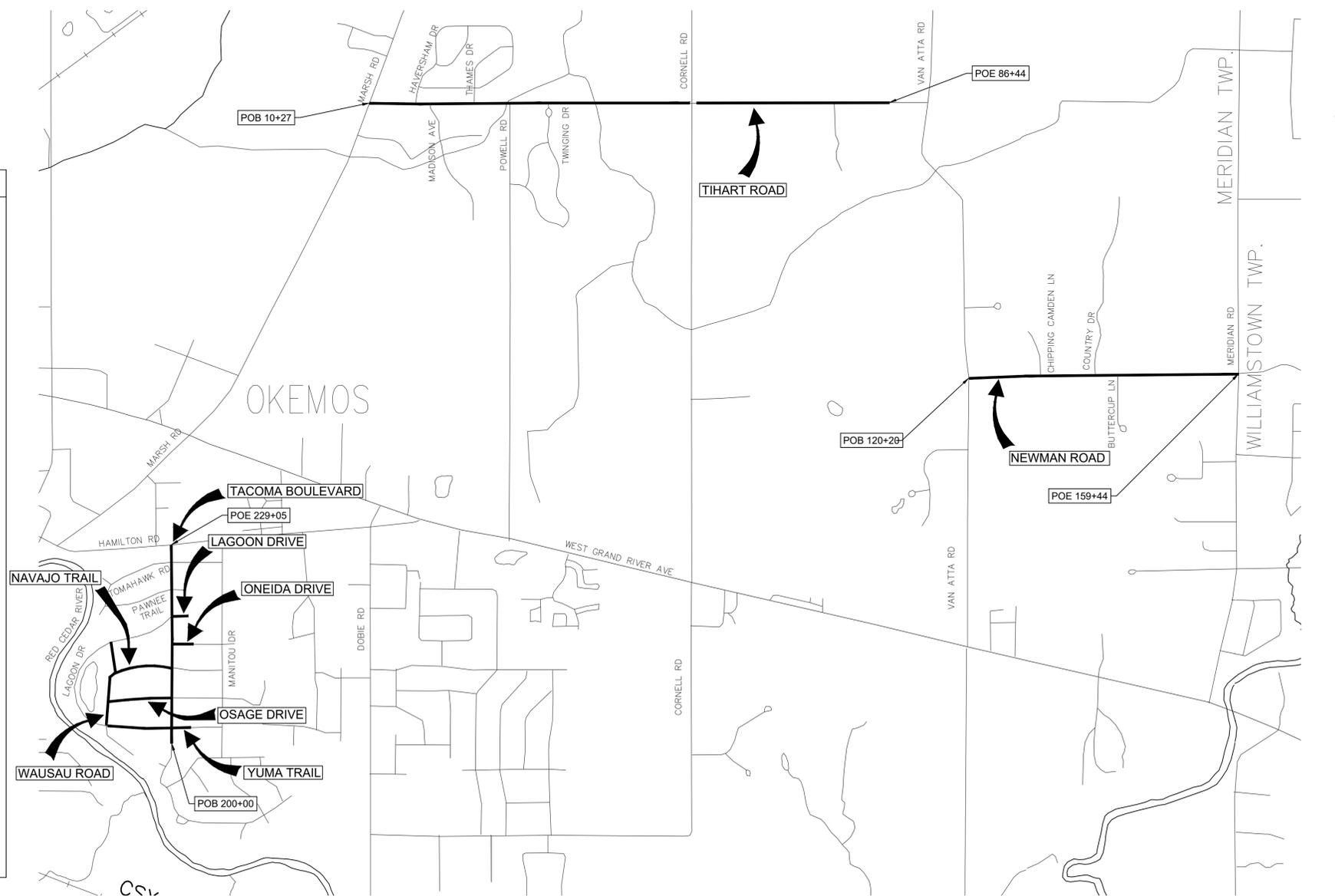
TRAFFIC DATA						
ROAD	LOCATION	2024 ADT	2044 ADT	PERCENT COMMERCIAL	POSTED SPEED	DESIGN SPEED
TIHART RD	MARSH RD TO POWELL RD	1660	2236	3	PRIMA FACIA	55 MPH
TIHART RD	POWELL RD TO VAN ATTA RD	504	679	3	PRIMA FACIA	55 MPH
NEWMAN RD	VAN ATTA RD TO MERIDIAN RD	500	674	3	40 MPH	45 MPH

TOWNSHIP SUBMITTAL: 11-15-2024

COUNTY SUBMITTAL: 11-27-2024

BID SUBMITTAL: 12-26-2024

Sheet Number	Sheet Title
1	COVER SHEET
2	NOTES AND DETAILS
3	NOTES AND DETAILS
4	EXISTING AND PROPOSED TYPICAL SECTIONS - 1
5	EXISTING AND PROPOSED TYPICAL SECTIONS - 2
6	EXISTING AND PROPOSED TYPICAL SECTIONS - 3
7	EXISTING AND PROPOSED TYPICAL SECTIONS - 4
8	EXISTING AND PROPOSED TYPICAL SECTIONS - 5
9	PAVING AND REMOVALS - TIHART RD - 1
10	PAVING AND REMOVALS - TIHART RD - 2
11	PAVING AND REMOVALS - TIHART RD - 3
12	PAVING AND REMOVALS - TIHART RD - 4
13	PAVING AND REMOVALS - TIHART RD - 5
14	PAVING AND REMOVALS - TIHART RD - 6
15	PAVING AND REMOVALS - TIHART RD - 7
16	PAVING AND REMOVALS - TIHART RD - 8
17	PAVING AND REMOVALS - TIHART RD - 9
18	PAVING AND REMOVALS - TIHART RD - 10
19	PAVING AND REMOVALS - TIHART RD - 11
20	PAVING AND REMOVALS - NEWMAN RD - 1
21	PAVING AND REMOVALS - NEWMAN RD - 2
22	PAVING AND REMOVALS - NEWMAN RD - 3
23	PAVING AND REMOVALS - NEWMAN RD - 4
24	PAVING AND REMOVALS - NEWMAN RD - 5
25	PAVING AND REMOVALS - TACOMA BLVD - 1
26	PAVING AND REMOVALS - TACOMA BLVD - 2
27	PAVING AND REMOVALS - LAGOON DR & ONEIDA DR
28	PAVING AND REMOVALS - NAVAHO TRAIL
29	PAVING AND REMOVALS - OSAGE DR
30	PAVING AND REMOVALS - YUMA TRAIL
31	PAVING AND REMOVALS - WAUSAU RD
32	PAVEMENT MARKINGS - TIHART RD
33	PAVEMENT MARKINGS - NEWMAN RD
34	SIDEWALK DETAILS
35	MAINTAINING TRAFFIC - TACOMA BLVD TO YUMA TRAIL
36	TIHART RD DETOUR
37	NEWMAN RD DETOUR



313 N. Capitol Ave, Suite 100
Lansing, MI 48933
Phone: (517) 679-4400
Fax: (248) 844-5440

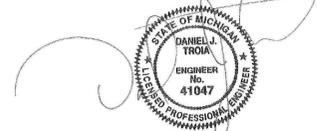
www.sda-eng.com
(800) 598-1600

CONTRACT FOR: 3.5 MILES OF HMA BASE CRUSHING AND SHAPING, ASPHALT BASE STABILIZATION, HMA RESURFACING, AGGREGATE SHOULDERS, HMA AND CONCRETE APPROACHES, DRAINAGE IMPROVEMENTS, DITCH CLEANOUT, SIDEWALK GRADING, AND SLOPE RESTORATION.

MERIDIAN CHARTER TOWNSHIP APPROVAL:

YOUNES ISHRAIDI, PE - CHIEF ENGINEER DATE

PREPARED UNDER THE SUPERVISION OF:



DANIEL J TROIA, PE - MUNICIPAL ENGINEER

12-26-2024
DATE

Plotted: Dec 30, 2024, 4:23 PM by user: 1151 -- Saved: 12/30/2024 by user: 1151
 J:\M\MD24001 -- 2025 Meridian Local Road Program\DWG\MD24001CDV.dwg



ASPHALT BASE CRUSHING AND SHAPING NOTES:

- CONSTRUCT A NEW AGGREGATE BASE FROM EXISTING PULVERIZED ASPHALT PAVEMENT.
- PROVIDE A SELF PROPELLED ROTARY REDUCTION CRUSHING MACHINE THAT CAN CRUSH THE PAVEMENT TO THE REQUIRED SIZE AND MIX THE CRUSHED MATERIAL WITH THE UNDERLYING AGGREGATE BASE AND ANY ADDED MATERIAL TO THE REQUIRED DEPTH.
- USE AN APPROVED WATER SPRINKLING SYSTEM TO SUPPRESS DUST GENERATED FROM THE PAVEMENT CRUSHING OPERATION.
- REFERENCE THE CRUSHED GRADE FROM THE NEW ASPHALT PAVEMENT SURFACE.
- UNIFORMLY CRUSH NINETY-FIVE PERCENT OF THE CRUSHED MATERIAL TO A MAXIMUM PARTICLE SIZE OF 1-1/2 INCHES.
- UNIFORMLY SPREAD AND COMPACT THE CRUSHED MATERIAL TO THE DIMENSIONS SHOWN ON THE PLANS. WHEN ADDITIONAL MATERIAL IS NEEDED TO ATTAIN THE PLAN GRADE, USE EXCESS SALVAGED CRUSHED MATERIAL WHEN AVAILABLE OR AGGREGATE. SPREAD ADDED AGGREGATE UNIFORMLY BEFORE CRUSHING OR PLACE AGGREGATE ON THE CRUSHED SURFACE AND REMIX TO THE FULL CRUSHED DEPTH TO OBTAIN A UNIFORM MIXTURE.
- COMPACT THE CRUSHED MATERIAL, AT A MOISTURE CONTENT WITHIN 2% OF OPTIMUM MOISTURE CONTENT, IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
- IF SOFT AREAS DEVELOP, THE AGGREGATE AND PAVEMENT SHALL BE CHEMICALLY STABILIZED WITH CEMENT AS DIRECTED.
- EXCESS CRUSHED MATERIAL MAY BE USED, IF SUITABLE, AS BASE AGGREGATE, AGGREGATE APPROACH OR SHOULDERS.
- ALL EXISTING STRUCTURES AND UTILITIES SUCH AS SEMERS, CATCH BASINS, INLETS, MANHOLES, WATER WELLS, PUBLIC AND PRIVATE UTILITIES, POLES, MAILBOXES AND THE LIKE SHALL BE LOCATED AND PROTECTED. IF SUCH STRUCTURES AND UTILITIES ARE DAMAGED, THE CONTRACTOR SHALL REPAIR THE DAMAGE AT NO EXPENSE TO THE OWNER.
- DO NOT PULVERIZE ASPHALT PAVEMENT WHEN ANTICIPATED PRECIPITATION MAY MAKE THE BASE UNSTABLE. DO NOT PULVERIZE ANY EXISTING PAVEMENT THAT CANNOT BE REPAVED PRIOR TO INCLIMATE WEATHER.
- THE ENGINEER WILL ACCEPT THE CRUSH AND SHAPE / ASPHALT STABILIZED BASE WORK IF CRUSHED MATERIAL MEETS PARTICLE SIZE REQUIREMENTS AND REQUIRED DENSITY HAS BEEN MAINTAINED UNTIL ASPHALT SURFACE MATERIAL IS APPLIED.
- ANY UNSTABLE BASE CAUSED BY OVER WATERING, THE NON-UNIFORM APPLICATION OF WATER, OR NOT PAVING PRIOR TO INCLIMATE WEATHER SHALL BE REPAIRED AS APPROVED AT THE CONTRACTOR'S EXPENSE.

PAVING CONSTRUCTION NOTES

- PAVEMENT CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION UNLESS OTHERWISE NOTED IN THE FOLLOWING ITEMS.
- CONTRACTOR SHALL PROTECT EXISTING CURB, GUTTER, SIDEWALK, WALLS, FENCES AND ALL OTHER EXISTING SITE FEATURES NOT INDICATED FOR REMOVAL OR REHABILITATION.
- THE AGGREGATE BASE SHALL BE COMPACTED TO A DENSITY NO LESS THAN 95 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED PROCTOR (ASTM D 1557-91). THE BASE SHALL EXTEND A MINIMUM OF 1 FOOT BEYOND THE PAVED EDGE.
- ALL BITUMINOUS MATERIAL SHALL BE COMPACTED TO A DENSITY NO LESS THAN 94 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY THE MARSHALL METHOD.
- A BOND COAT OF SS-1H EMULSION IS REQUIRED BETWEEN THE LEVELING COURSE AND THE WEARING COURSE WHEN EITHER 24 HOURS HAVE ELAPSED BETWEEN PLACEMENT OF THE BITUMINOUS COURSES OR THE SURFACE OF THE PAVEMENT HAS BEEN CONTAMINATED WITH DIRT, OR FOREIGN MATERIAL. THE BOND COAT SHALL BE APPLIED IN A UNIFORM MANNER OVER THE SURFACE AT A RATE OF 0.05-0.15 GALLONS/SYD IN THE EVENT A BOND COAT IS NOT REQUIRED, THE LEVELING COURSE MAY REQUIRE LOCALIZED BROOM CLEANING.
- PERFORMANCE GRADE PG 58-28 ASPHALT CEMENT SHALL BE USED IN THE PRODUCTION OF ALL BITUMINOUS MIXTURES. RECLAIMED ASPHALT PAVEMENT (RAP) SHALL BE LIMITED TO TIER 1 AS SPECIFIED BY THE CURRENT MDOT SPECIAL PROVISION, UNLESS NOTED ON THE PROJECT DETAILS.
- CONSTRUCTION TRAFFIC SHALL BE MINIMIZED ON THE NEW PAVEMENT. IF CONSTRUCTION TRAFFIC IS ANTICIPATED ON THE PAVEMENT STRUCTURE, THE PLACEMENT OF THE FINAL LIFT SHALL BE DELAYED UNTIL THE MAJORITY OF THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED. THIS ACTION WILL ALLOW REPAIR OF LOCALIZED FAILURE, IF ANY DOES OCCUR, AS WELL AS REDUCE LOAD DAMAGE ON THE PAVEMENT SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR TO ANY DAMAGED SECTION RESULTING FROM CONSTRUCTION ACTIVITY.

M.D.O.T. STANDARD PLANS

- R-7-F COVER B
- R-10-D COVER E
- R-11-E MONUMENT BOXES
- R-12-E COVER G
- R-18-F COVER O
- R-30-C CONCRETE CURB AND CONCRETE CURB & GUTTER
- R-60-P* GRANULAR BLANKET, UNDERDRAINS, OUTLET ENDINGS FOR UNDERDRAINS, AND SEWER BULKHEADS
- R-82-D BEDDING AND FILLING AROUND PIPE CULVERTS
- R-83-C UTILITY TRENCHES
- R-86-F PRECAST CONCRETE END SECTION FOR PIPE CULVERT
- R-88-E* STEEL END SECTION
- R-96-E SOIL EROSION & SEDIMENTATION CONTROL MEASURES
- R-100-I* SEEDING AND TREE PLANTING
- R-105-D GRADING CROSS-SECTIONS

- PAVE-900-H PAVEMENT ARROW & MESSAGE DETAILS
- PAVE-905-F LONGITUDINAL LINE TYPES & PLACEMENT
- PAVE-935-F LEFT TURN LANE MARKINGS
- PAVE-945-E INTERSECTION, STOP BAR & CROSSWALK MARKINGS

* DENOTES SPECIAL DETAIL

M.D.O.T. TRAFFIC & SAFETY STANDARD PLANS

- W20-125E* TEMPORARY TRAFFIC CONTROL DEVICES
- 100-GEN-KEY GENERAL KEY
- 101-GEN-SPACING-CHARTS "B", "D", AND "L" TABLES, CHANNELIZING DEVICE SPACING, SIGN BORDER KEY, AND ROLL-AHEAD SPACING
- 102-GEN-NOTES TRAFFIC CONTROL TYPICALS NOTES SHEET
- 103-GEN-SIGN MAINTAINING TRAFFIC TYPICALS SIGN SHEET
- 110-TR-NFW-2L LANE CLOSURE UTILIZING TRAFFIC REGULATORS ON A 2-LANE UNDIVIDED ROADWAY
- 122-NFW-SHL-(R) SHOULDER CLOSURE ON A 2-LANE UNDIVIDED ROADWAY
- 123-NFW-1RL-(R) 1 RIGHT LANE CLOSURE ON A 4-LANE UNDIVIDED ROADWAY

* DENOTES SPECIAL DETAIL

NOTE: ALL OTHER MDOT STANDARD PLANS LISTED ABOVE ARE INCORPORATED BY REFERENCE AND NOT INCLUDED IN THE PROPOSAL.

SOIL EROSION/SEDIMENTATION CONTROL NOTES

- DAILY INSPECTIONS SHALL BE MADE BY THE CONTRACTOR TO DETERMINE EFFECTIVENESS OF EROSION AND SEDIMENTATION CONTROL DEVICES, AND ANY NECESSARY REPAIRS SHALL BE PERFORMED WITHOUT DELAY.
- EROSION AND ANY SEDIMENT FROM WORK ON THIS SITE SHALL BE CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR IN WATERWAYS. WATERWAYS INCLUDE BOTH NATURAL AND MANMADE OPEN DITCHES, STREAMS, STORM DRAINS, LAKES AND PONDS.
- EROSION AND SEDIMENT CONTROL DEVICES ARE TO BE PLACED PRIOR TO OR AS THE FIRST STEP IN CONSTRUCTION; SEDIMENT CONTROL PRACTICES WILL BE APPLIED AS A PERIMETER DEFENSE AGAINST ANY TRANSPORTING OF SILT OFF THE SITE.
- CONTRACTOR SHALL APPLY TEMPORARY EROSION AND SEDIMENTATION CONTROL DEVICES AS REQUIRED AND AS DIRECTED ON THESE PLANS. THEY SHALL REMOVE TEMPORARY DEVICES AS SOON AS PERMANENT STABILIZATION OF SLOPES, DITCHES, AND OTHER EARTH CHANGES HAVE BEEN ACCOMPLISHED AND APPROVED BY THE TOWNSHIP AND/OR COUNTY.
- DEBRIS FROM PROJECT WILL BE LEFT ON THE SITE BY DELIVERY OR CONSTRUCTION VEHICLES THROUGH THE USE OF CLEAN STONE EXITS. SHOULD THE STONE BECOME LESS EFFECTIVE IT WILL BE REPLACED. ALL CONSTRUCTION TRAFFIC WILL USE THE CLEAN STONE EXIT.
- DUST CONTROL WILL BE EXERCISED AT ALL TIMES WITHIN THE PROJECT BY THE CONTRACTORS. SPRINKLING TANK TRUCKS WILL BE AVAILABLE AT ALL TIMES TO BE USED ON HAUL ROUTES OR OTHER PLACES WHERE DUST BECOMES A PROBLEM.
- IMMEDIATELY AFTER SEEDING, MULCH ALL SEEDING AREAS WITH UNWEATHERED SMALL GRAIN STRAW OR HAY. SPREAD UNIFORMLY AT A RATE OF 1 1/2 TO 2 TONS PER ACRE OR 0.10 POUNDS PER SQUARE FEET. ANCHOR MULCH WITH DISC TYPE MULCH ANCHORING TOOL.
- ALL MUD, DIRT, AND DEBRIS TRACKED OR SPILLED ONTO PAVED SURFACES WITHIN THIS SITE SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
- PERMANENT SOIL EROSION CONTROL DEVICES FOR ALL SLOPES, CHANNELS, DITCHES OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN 5 CALENDAR DAYS AFTER FINAL GRADING OR FINAL EARTH CHANGES HAVE BEEN COMPLETED. WHEN IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA AFTER AN EARTH CHANGE HAS BEEN COMPLETED OR WHERE SIGNIFICANT EARTH CHANGE ACTIVITY CEASES TEMPORARY SOIL EROSION CONTROL DEVICES SHALL BE IMPLEMENTED WITHIN 30 CALENDAR DAYS. ALL TEMPORARY SOIL EROSION CONTROL DEVICES SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION DEVICES ARE IMPLEMENTED AND/OR ESTABLISHED. ALL PERMANENT SOIL EROSION CONTROL DEVICES WILL BE IMPLEMENTED AND ESTABLISHED BEFORE A CERTIFICATE OF INSURANCE IS ISSUED.
- PARTICULAR CARE SHOULD BE TAKEN WHEN WORKING ALONG THE PERIMETER OF THE SITE. IN NO EVENT SHALL THE WORK AREA EXTEND BEYOND THE LIMITS INDICATED ON THE PLANS.
- THE SOIL EROSION CONTROLS WILL BE MAINTAINED WEEKLY AND AFTER EVERY STORM EVENT BY THE CONTRACTOR.
- SECC MEASURES WILL BE INCLUDED IN THE CONTRACTOR'S DETAILED PROGRESS SCHEDULE PER THE PROGRESS CLAUSE.

SOIL EROSION AND SEDIMENTATION CONTROL SCHEDULE

- INSTALL SILT FENCE AT THE CLEARING LIMITS, INLET PROTECTION, AND ANY TREE PROTECTION AS SHOWN ON PLANS OR AS DIRECTED BY THE TOWNSHIP/COUNTY REPRESENTATIVE.
 - CLEAR, GRUB AND STRIP TOPSOIL IN AREAS OF EARTH DISRUPTION AND HAUL OFFSITE.
 - PERFORM PAVING OPERATIONS, FINE GRADING, LANDSCAPING.
 - EROSION CONTROL MEASURES ARE NOT TO BE REMOVED UNTIL THE TOWNSHIP AND/OR COUNTY GRANTS ITS APPROVAL. INLET FILTERS SHALL BE PERIODICALLY INSPECTED AND CLEANED/REPLACED AS NECESSARY.
- ALL EROSION CONTROL MEASURES SHALL BE INSTALLED APPROXIMATELY ACCORDING TO THE FOLLOWING SEQUENCE OF CONSTRUCTION.

SCHEDULE

UTILITY CONTACT INFORMATION

PUBLIC

INGHAM COUNTY DRAIN COMMISSIONER — STORM
ERIC DALDOS
PH: 517-719-4914
EDALDOS@INGHAM.ORG

MERIDIAN TOWNSHIP — SANITARY AND WATER
JACOB CHALUT
PH: 517-580-2049
DP@MERCIDIAN.MI.US

PUBLIC WORKS — MERIDIAN TOWNSHIP
YOUNES ISHRAIDI, CHIEF ENGINEER
PH: 517-853-4460
ISHRAIDI@MERIDIAN.MI.US

PRIVATE

CONSUMERS ENERGY — GAS
ADAM BERTRAM
PH: 517-614-8570
ADAM.BERTRAM@CSEENERGY.COM

CONSUMERS ENERGY — ELECTRIC
JACOB CHALUT
PH: 517-580-2049
JACOB.CHALUT@CSEENERGY.COM

ATT — COMMUNICATION
CHRISTOPHER WAY
PH: 517-708-9589
CW2638@ATT.COM

COMCAST — CABLE
JEFF DOBIES
PH: 734-359-1669
NAME@COMCAST.COM

METRONET — FIBER
LORI KEMPER
PH: 812-213-1050
LORI.KEMPER@METRONET.COM

WOW — CABLE / FIBER
JAMES SCOTT
PH: 517-319-3158
JSCOTT@WOWOPENWEST.COM

UTILITY STATEMENT

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

PRIOR TO THE PLANNED IMPROVEMENTS, AND/OR CONSTRUCTION, THE RESPECTIVE UTILITY COMPANIES MUST BE NOTIFIED TO STAKE THE PRECISE LOCATION OF THEIR UTILITIES.

IF THERE IS A CONFLICT WITH THE PROPOSED SEWER OR MANHOLE LOCATION THE CONTRACTOR SHALL NOTIFY THE ENGINEER. RELOCATION OF THE PROPOSED SEWER OR EXISTING UTILITY WILL BE EVALUATED AFTER CONSULTATION WITH TWP., COUNTY AND RESPECTIVE UTILITY COMPANIES.

TEMPORARILY LOWER ALL MANHOLE COVERS WHERE THEY ARE SHOWN ON THE PLANS DURING CONSTRUCTION.

THE CONTRACTOR SHALL COORDINATE WORK WITH PRIVATE UTILITY CONTRACTORS PERFORMING SANITARY SEWER SERVICE LEAD REPLACEMENTS ON BEHALF OF MERIDIAN TOWNSHIP AND THE HOMEOWNER.

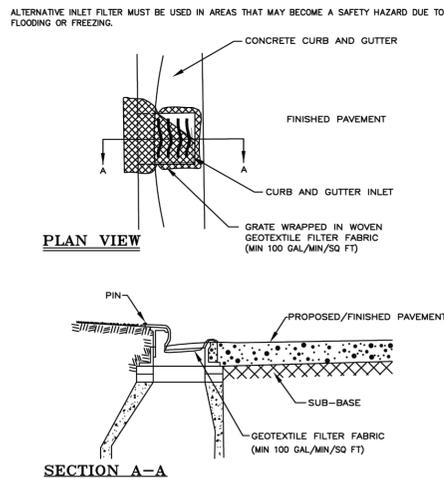
USDA/NRCS SOIL SURVEY

Map Unit Symbol	Map Unit Name
Co	Colwood-Brookston loams
HglahA	Houghton muck, 0 to 1 percent slopes
KbA	Kibble loam, 0 to 3 percent slopes
Mac	Finer fine sandy loam, Saginaw Lobe, 6 to 12 percent slopes
MIB	Meta loamy sand, 2 to 6 percent slopes
OwB	Owosso-Marlette sandy loams, 2 to 6 percent slopes
SnC	Siscon fine sandy loam, 6 to 12 percent slopes
CvraaB	Conover loam, 0 to 4 percent slopes
Gr	Granby loamy fine sand, 0 to 2 percent slopes
Na	Napoleon muck
OaC	Oshtemo sandy loam, 6 to 12 percent slopes
SpB	Spinks loamy sand, 0 to 6 percent slopes
SpC	Spinks loamy sand, 6 to 12 percent slopes
ThA	Theftord loamy sand, 0 to 3 percent slopes
UpA	Urban land-Capac-Colwood complex, 0 to 4 percent slopes
UTB	Urban land-Marlette complex, 2 to 12 percent slopes

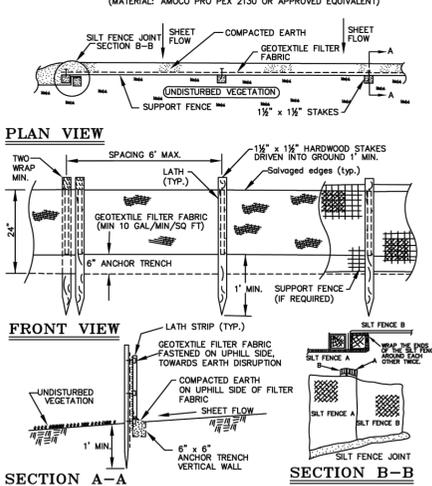
LEGEND

- HMA CRUSH AND SHAPE
- PAVT, REM AND REPLACE
- SIDEWALK, REM
- HMA DRIVEWAY REMOVAL AND REPLACEMENT
- APPROACH, CI III, _ INCH
- SEAL, DOUBLE CHIP
- PROPERTY ADDRESS
- EXISTING SANITARY SEWER (SAN)
- EXISTING STORM SEWER (STM)
- EXISTING WATERMAIN (WM)
- ADJUST - TYPE
- TEMPORARY LOWER
- PROPOSED EDGE OF ROADWAY
- PROPOSED SHOULDER

CURB AND GUTTER INLET FILTER (SI-4)

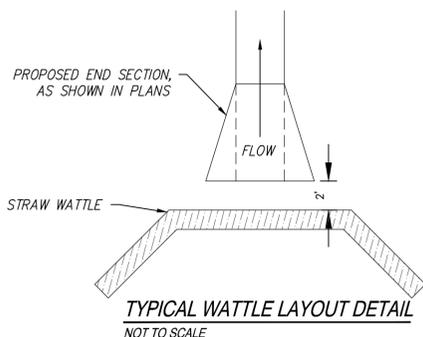


SILT FENCE (SP-2)



MDOT R-96 EROSION CONTROL LEGEND

- 26 SILT FENCE
- 29 INLET FILTER
- 38 STRAW WATTLE



GENERAL NOTES

COORDINATE WITH THE PROPERTY OWNER (ELEANOR COWEN AND PETER MACINTYRE) AT 4423 WAUSAU ROAD TO GIVE THEM THE OPPORTUNITY TO RELOCATE LANDSCAPING AND PLANTING WITHIN THE WORK LIMITS. PROVIDE AT LEAST 21 CALENDAR DAYS NOTICE PRIOR TO GROUND DISTURBING ACTIVITIES AT THIS LOCATION.

Item	Quantity	Unit
Seal, Single Chip	19583	Syd
Seal, Double Chip	12364	Syd
Curb Ramp, Conc, 6 inch	495	Sft
Detectable Warning Surface	49	Ft
Sidewalk, Conc, 4 inch	4435	Sft
Sign, Type III, Erect, Salv	2	Ea

Item	Quantity	Unit
_Audio-Visual Recording	1	LSUM
Mobilization, Max \$240,000.00	1	LSUM
Erosion Control, Silt Fence	600	Ft
Ditch Cleanout	60	Sta
Embankment, CIP	1250	Cyd
Excavation, Earth	1500	Cyd
Erosion Control, Maintenance, Sediment Rem	50	Cyd
_Erosion Control, Straw Wattle, 9 inch	250	Ft
Material, Surplus and Unsuitable, Rem, LM	500	Cyd
Maintenance Gravel, LM	300	Cyd
Approach, CI III, 4 inch	1206	Syd
Approach, CI III, 6 inch	200	Syd
Culv End Sect, Metal, 12 inch	10	Ea
_Culv, Cleanout, Spec	250	Ft
Dr Structure, Adj, Add Depth	22	Ft
Hand Patching	100	Ton
_HMA Additive, RTR Modified, PG 46-34	3393	Ton
_HMA Additive, RTR Modified, PG 52-28	4009	Ton
Cement	60	Ton
Curb and Gutter, Conc, Det F4	100	Ft
Post, Mailbox	100	Ea
_Temporary Traffic Control Devices	1	LSUM
_Slope Restoration, Type IV	5000	Syd
_Slope Restoration, Type VII	500	Syd
Sanitary Structure, Adj, Add Depth	5	Ft
_Sanitary Structure Cover	4	Ea

SPALDING DeDECKER
Engineers | Planners | Surveyors
Excellence Since 1954
313 N. Capitol Ave, Suite 100
Lansing, MI 48933
Phone (517) 679-4400
Headquarters
Rochester Hills
Branch Offices
Detroit | Grand Rapids | Novi | Lansing | Flint

www.sda-eng.com
(800) 598-1600

MERIDIAN TOWNSHIP
A PRIME COMMUNITY

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

UTILITY NOTE
UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

NOTES AND DETAILS

SECTION 14, 15, 21, 22, 24, 27, 28
TOWN 4 NORTH RANGE 1 WEST
CITY/TOWNSHIP MERIDIAN TOWNSHIP
COUNTY INGHAM

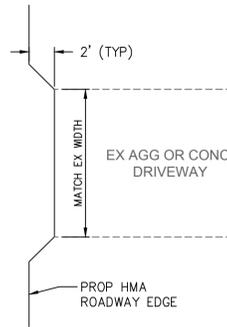
NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24
JOB NO.	DRAWING NO.
MD24001	MD24001NOT
SCALE:	SHEET NO.
NTS	2 OF 37

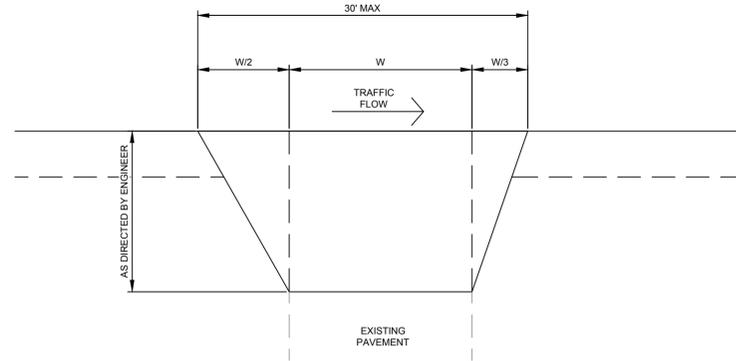
DRIVEWAY APPROACH LEGEND				
	SURFACE TYPE	PLAN SYMBOL	PROPOSED PAVEMENT THICKNESS (INCH)	PROPOSED AGGREGATE THICKNESS (INCH)
COMMERCIAL	HMA	\textcircled{CH}	4.5	6
	CONC	\textcircled{CC}	7	6
RESIDENTIAL	HMA	\textcircled{RH}	3	4
	CONC	\textcircled{RC}	6	4
	AGG	\textcircled{AD}		4

- \textcircled{CH} - COMMERCIAL HMA DRIVE, THREE EQUAL LIFTS
- \textcircled{CC} - COMMERCIAL CONCRETE DRIVE. 7" NON-REINFORCED
- \textcircled{RH} - RESIDENTIAL HMA DRIVE. TWO EQUAL LIFTS
- \textcircled{RC} - RESIDENTIAL CONCRETE DRIVE. 6" NON-REINFORCED
- \textcircled{AD} - AGGREGATE DRIVE. 4" AGGREGATE APPROACH ONLY

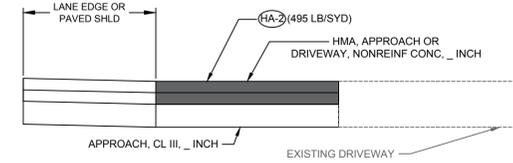


HMA DRIVEWAY TAB DETAIL

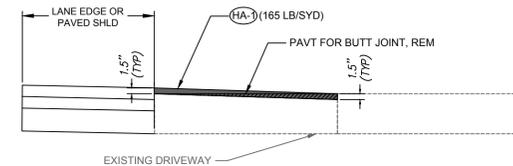
TO APPLY:
EX AGG & CONC DRIVE APPROACHES
(PAYMENT INCLUDED WITH
MAINLINE HMA MIXTURE ITEMS)



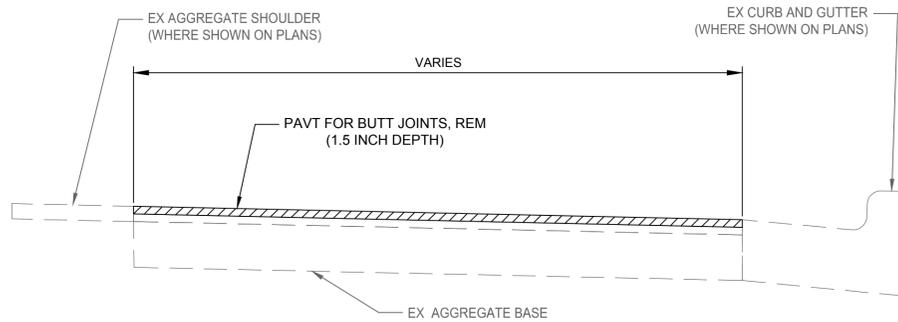
DRIVEWAY APPROACH TYPICAL PLAN



DRIVEWAY APPROACH TYPICAL PROFILE FULL DEPTH

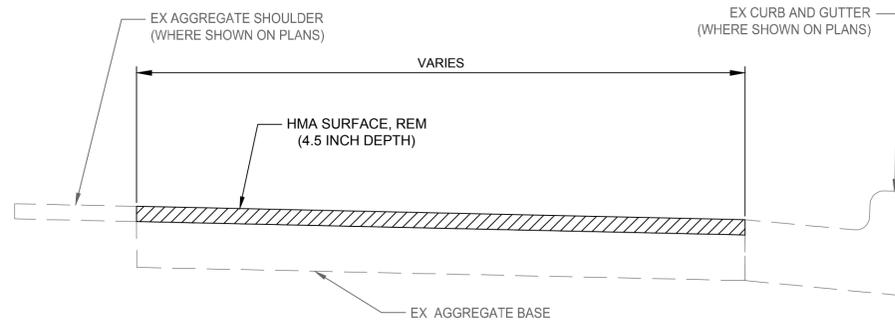


DRIVEWAY APPROACH TYPICAL PROFILE OVERLAY



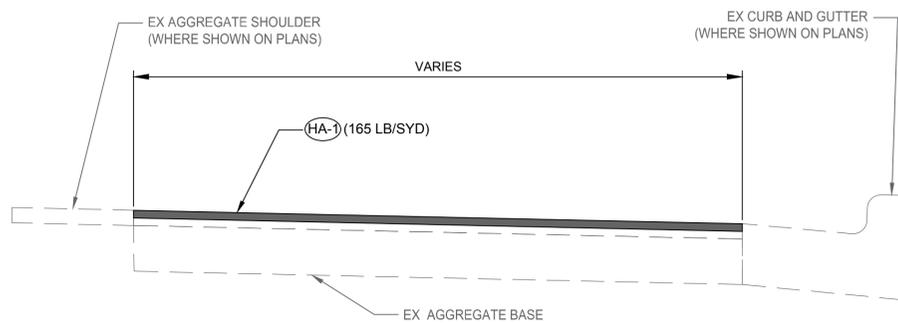
EXISTING OVERLAY APPROACH TYPICAL SECTION

APPLIES:
PUBLIC ROAD APPROACHES
(WHERE SHOWN ON PLANS)



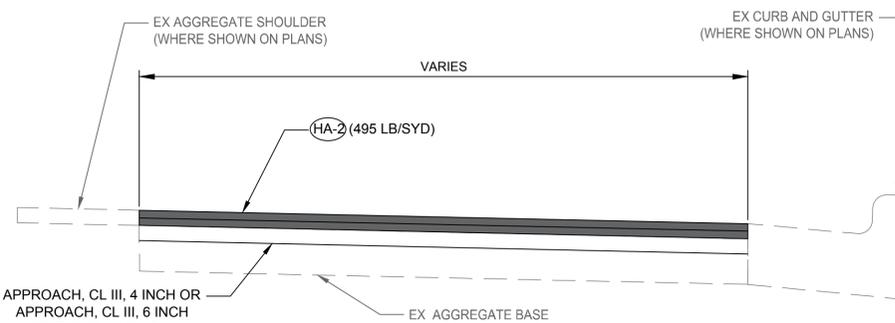
EXISTING FULL DEPTH APPROACH TYPICAL SECTION

APPLIES:
PUBLIC ROAD APPROACHES
(WHERE SHOWN ON PLANS)



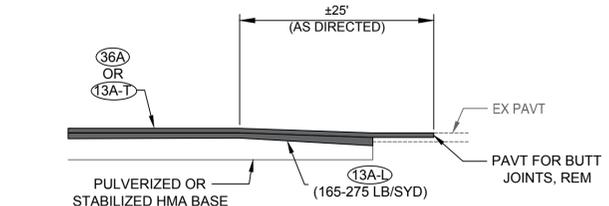
PROPOSED OVERLAY APPROACH TYPICAL SECTION

APPLIES:



PROPOSED FULL DEPTH APPROACH TYPICAL SECTION

APPLIES:
PUBLIC ROAD APPROACHES



PROP HMA THICKENED BUTT JOINT

TO APPLY:
PROP HMA RESURFACING MEETS EX HMA PAVEMENT



A PRIME COMMUNITY



Know what's below.
Call before you dig.

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE

UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.

COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

NOTES AND DETAILS

SECTION 14, 15, 21, 22, 24, 27, 28
TOWN 4 NORTH RANGE 1 WEST
CITY/TOWNSHIP MERIDIAN TOWNSHIP
COUNTY INGHAM

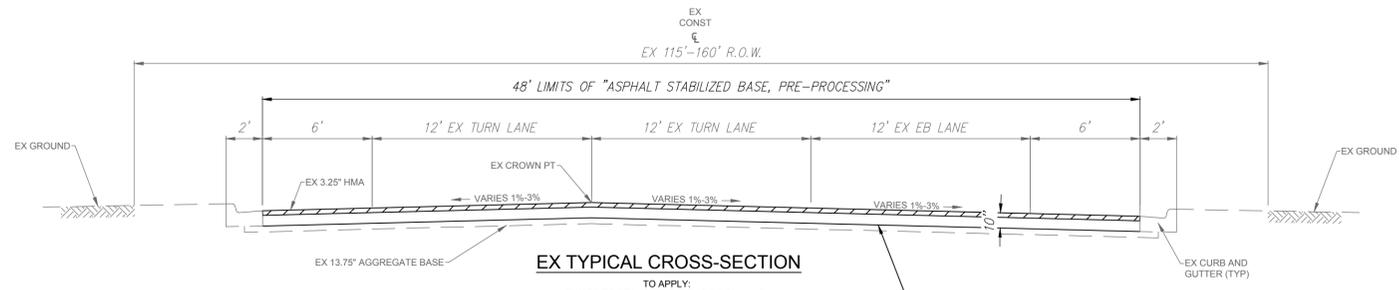
NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

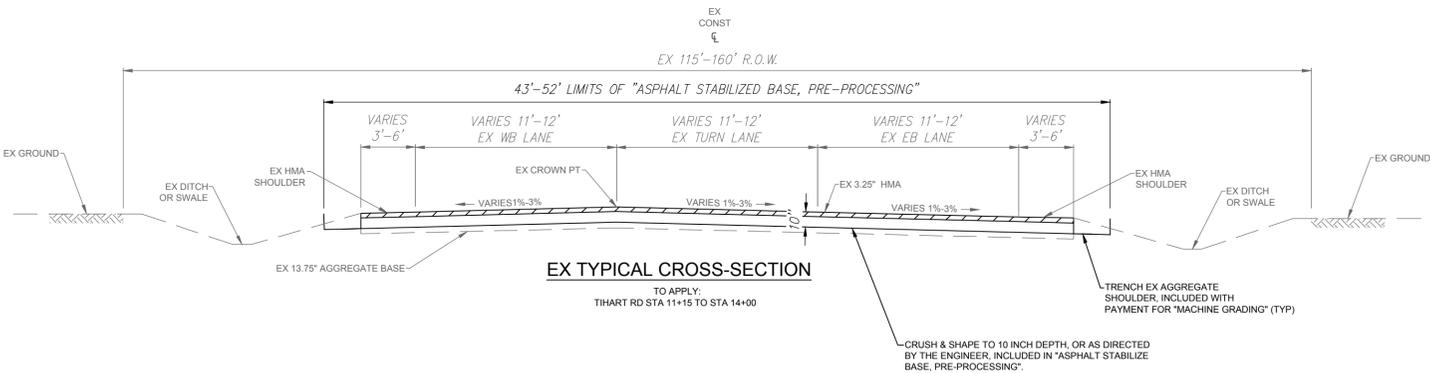
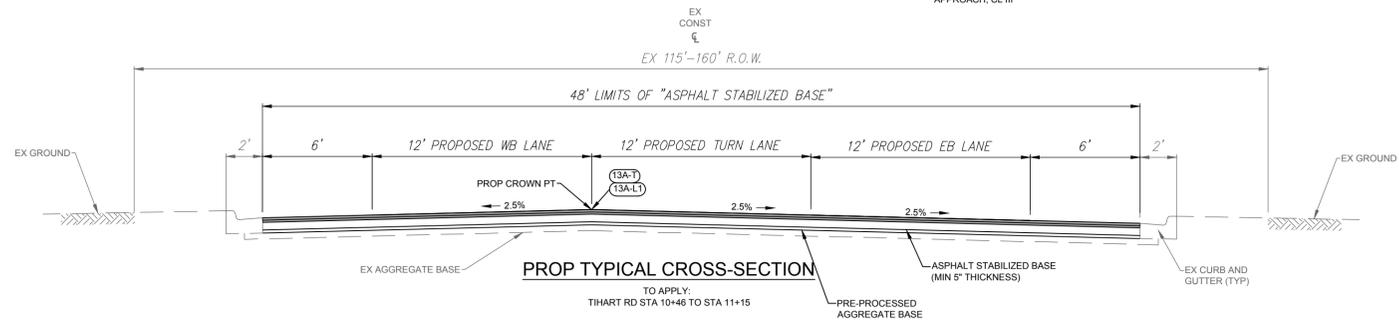
JOB NO.	DRAWING NO.
MD24001	MD24001NOT
SCALE:	SHEET NO.
NTS	3 OF 37



NOTES:
GRADE AND COMPACT CRUSHED HMA BASE MATERIAL THE FULL WIDTH BETWEEN SHOULDER HINGE POINTS. REMOVE EXCESS CRUSHED BASE MATERIAL AND WINDROW OR OTHERWISE STOCKPILE FOR USE AS "SHLD. CL III, 1/2 INCH", "AGGREGATE BASE, RECYCLED, 1/2 INCH", AND "APPROACH, CL III, 1/2 INCH"

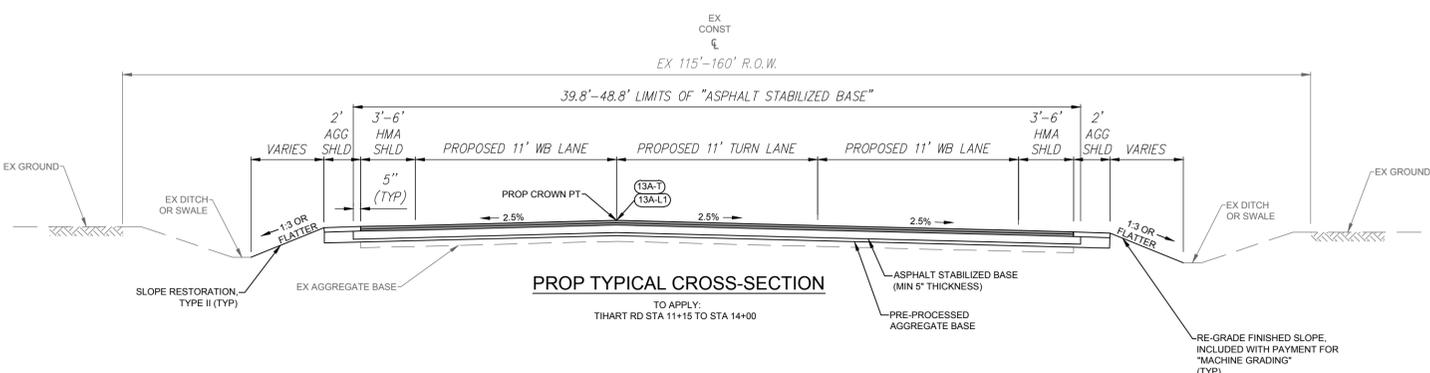
CRUSH & SHAPE TO 10 INCH DEPTH, OR AS DIRECTED BY THE ENGINEER, INCLUDED IN "ASPHALT STABILIZE BASE, PRE-PROCESSING".

SURPLUS PULVERIZED MATERIAL MAY BE WINDROWED OR OTHERWISE STOCKPILED FOR USE AS "SHLD. CL III" OR STOCKPILED FOR USE AS "AGGREGATE BASE, RECYCLED, 1/2 INCH" AND "APPROACH, CL III"



CRUSH & SHAPE TO 10 INCH DEPTH, OR AS DIRECTED BY THE ENGINEER, INCLUDED IN "ASPHALT STABILIZE BASE, PRE-PROCESSING".

TRENCH EX AGGREGATE SHOULDER, INCLUDED WITH PAYMENT FOR "MACHINE GRADING" (TYP)



RE-GRADE FINISHED SLOPE, INCLUDED WITH PAYMENT FOR "MACHINE GRADING" (TYP)

SLOPE RESTORATION TYPE II (TYP)



Know what's below. Call before you dig.

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE

UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.

COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

EXISTING AND PROPOSED TYPICAL SECTIONS - 1

SECTION 14, 15, 21, 22, 24, 27, 28
TOWN 4 NORTH RANGE 1 WEST
CITY/TOWNSHIP MERIDIAN TOWNSHIP
COUNTY INGHAM

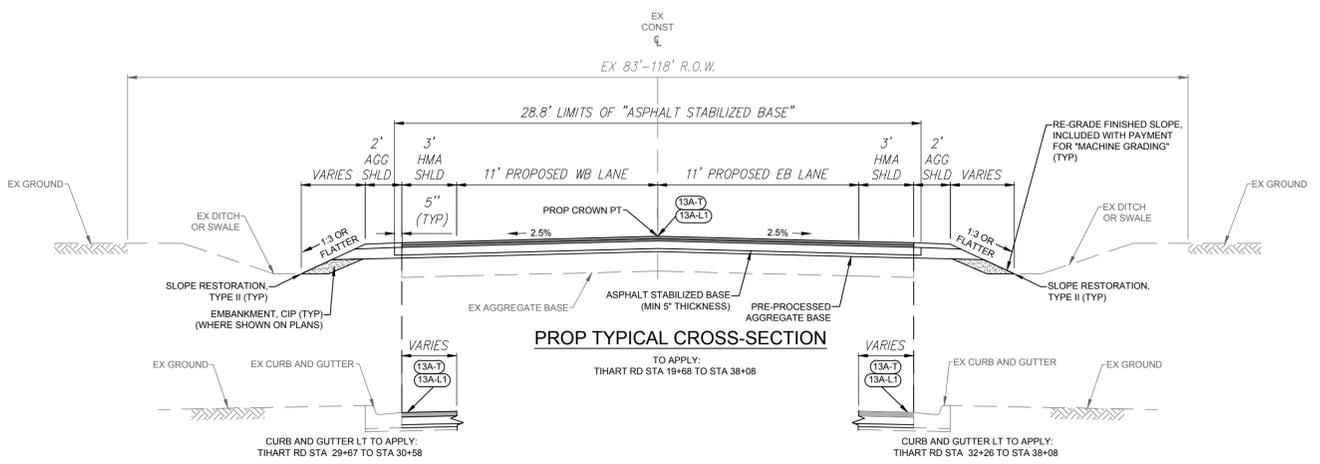
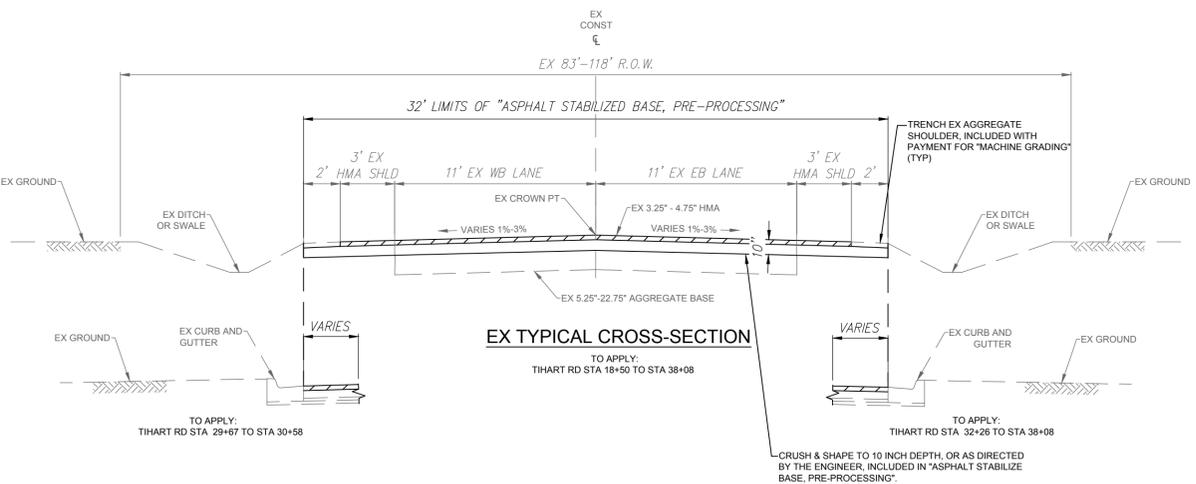
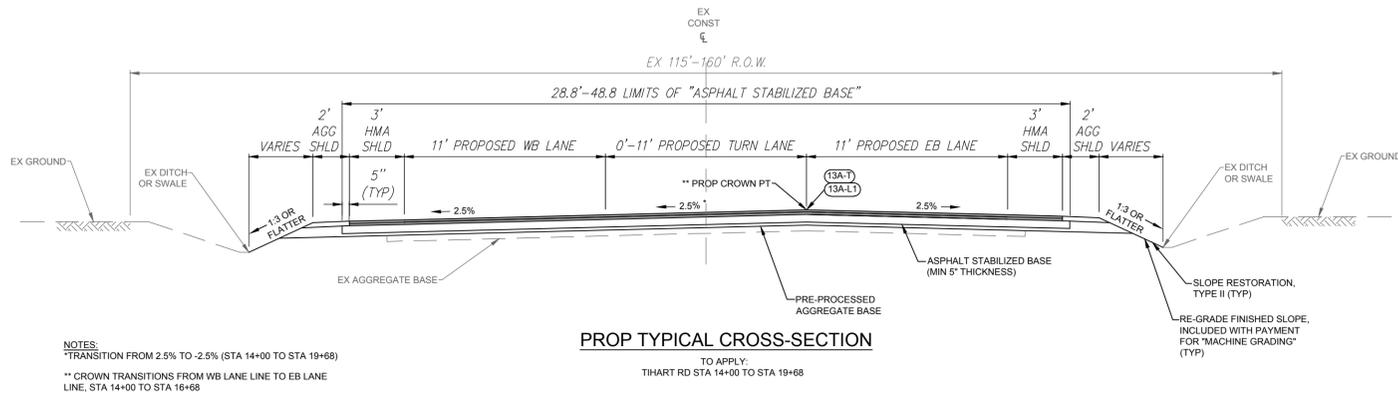
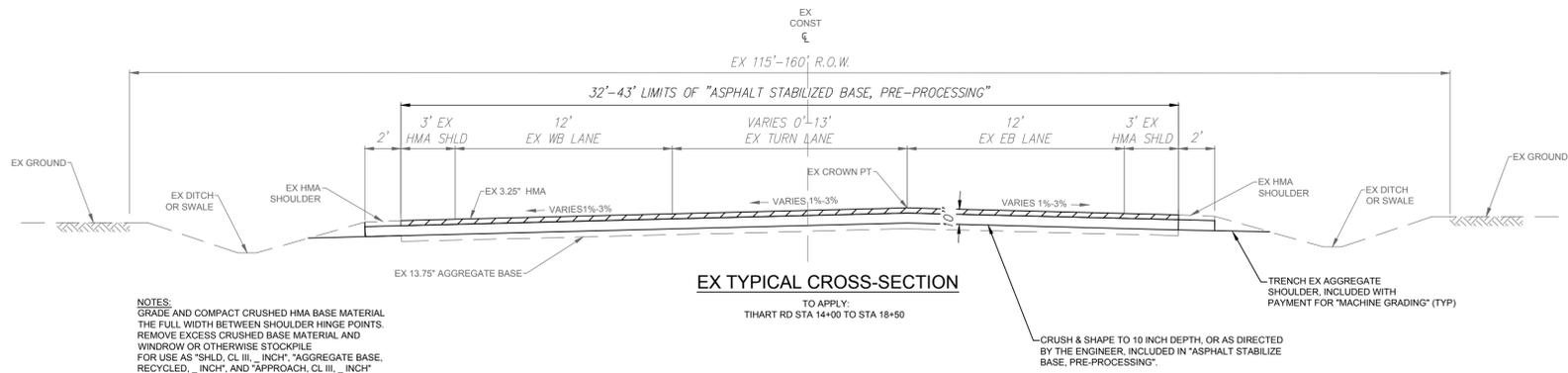
NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001 TYP-2
SCALE:	SHEET NO.
1"=5'	4 OF 37



Plotted: Dec 27, 2024, 2:4 PM by user: 1151 - Saved: 12/26/2024 by user: 1151
 J:\MD\MD24001 - 2025 Meridian Local Program\JVG\MD24001.TYP-2.dwg

SPALDING DeDECKER
Engineers | Planners | Surveyors
Excellence Since 1954
313 N. Capitol Ave, Suite 100
Lansing, MI 48933
Phone (517) 679-4400
Headquarters
Rochester Hills
Branch Offices
Detroit | Grand Rapids | Novi | Lansing | Flint

www.sda-eng.com
(800) 598-1600

MERIDIAN TOWNSHIP
EST. 1842
A PRIME COMMUNITY

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

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE
UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

EXISTING AND PROPOSED TYPICAL SECTIONS - 2

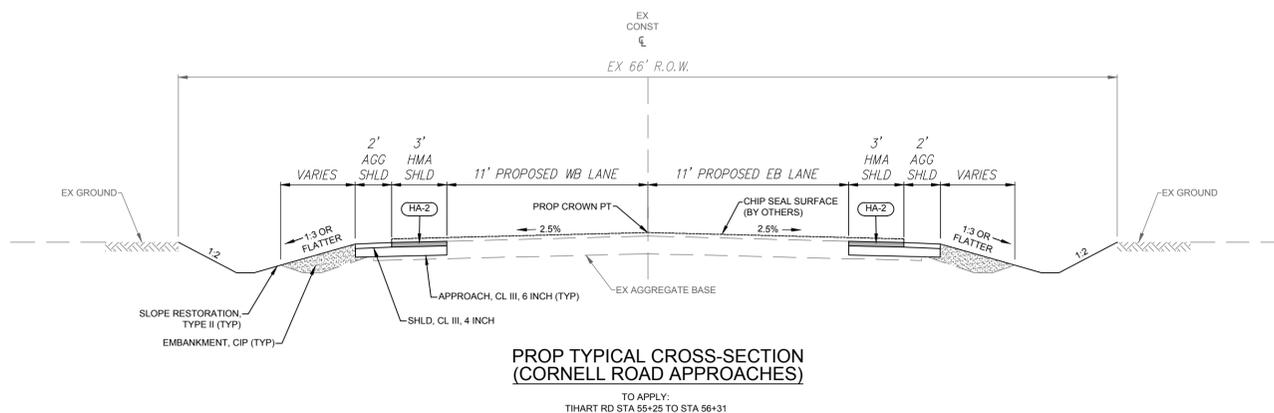
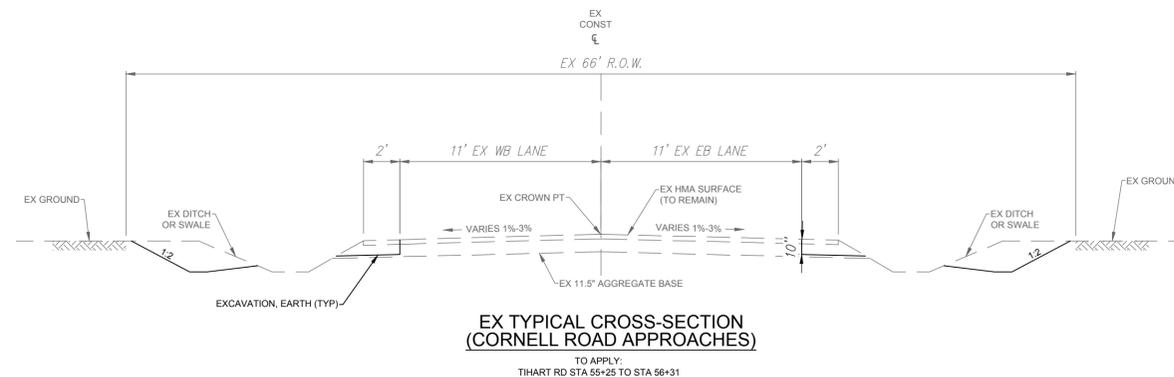
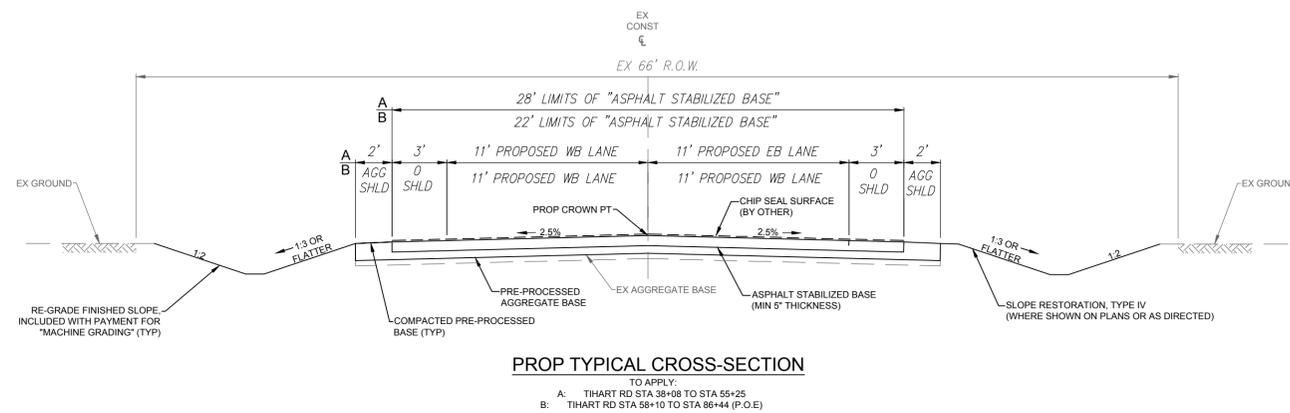
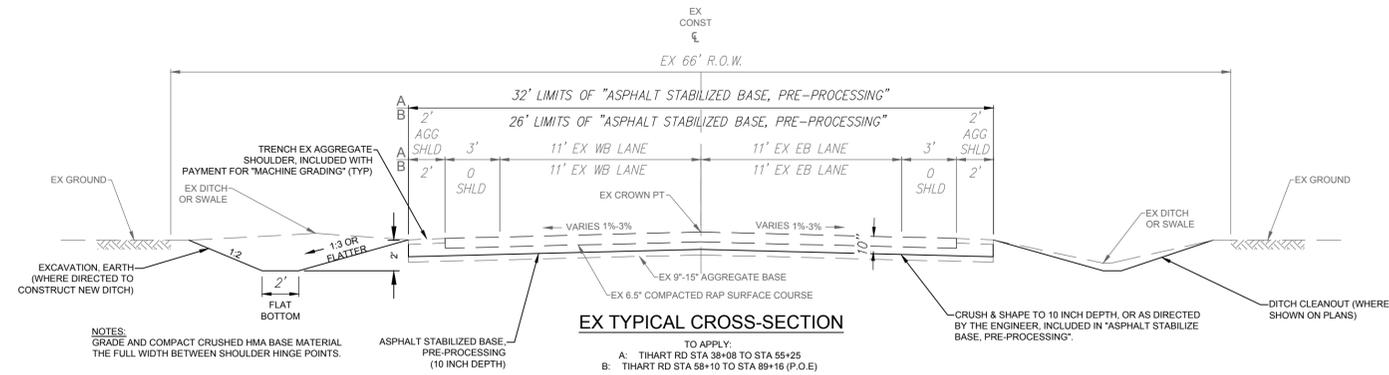
SECTION 14, 15, 21, 22, 24, 27, 28
TOWN 4 NORTH RANGE 1 WEST
CITY/TOWNSHIP MERIDIAN TOWNSHIP
COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO. MD24001	DRAWING NO. MD24001 TYP-2
SCALE: 1"=5'	SHEET NO. 5 OF 37



Know what's below.
Call before you dig.

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE

UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.

COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

EXISTING AND PROPOSED
TYPICAL SECTIONS - 3

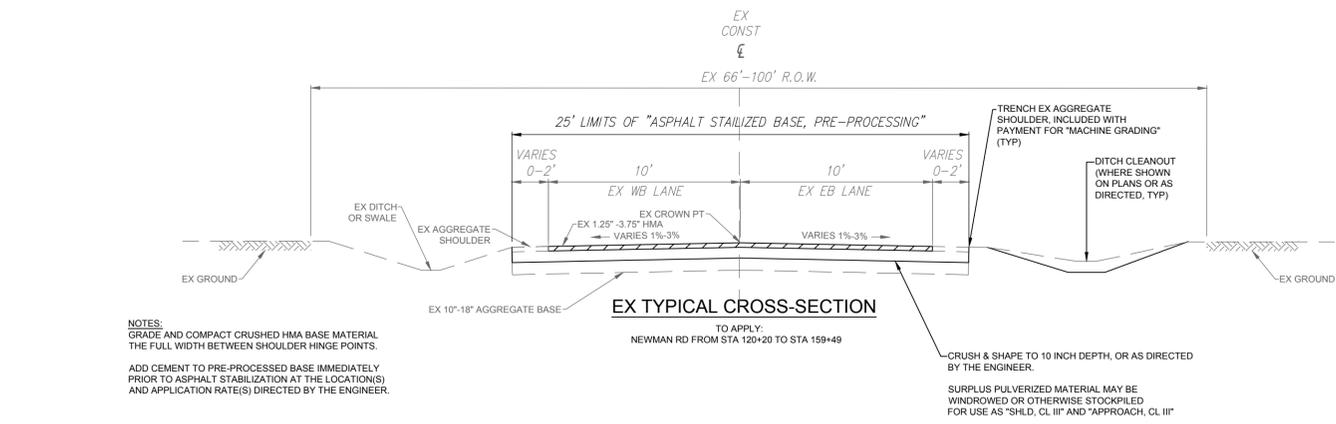
SECTION 14, 15, 21, 22, 24, 27, 28
TOWN 4 NORTH RANGE 1 WEST
CITY/TOWNSHIP MERIDIAN TOWNSHIP
COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY

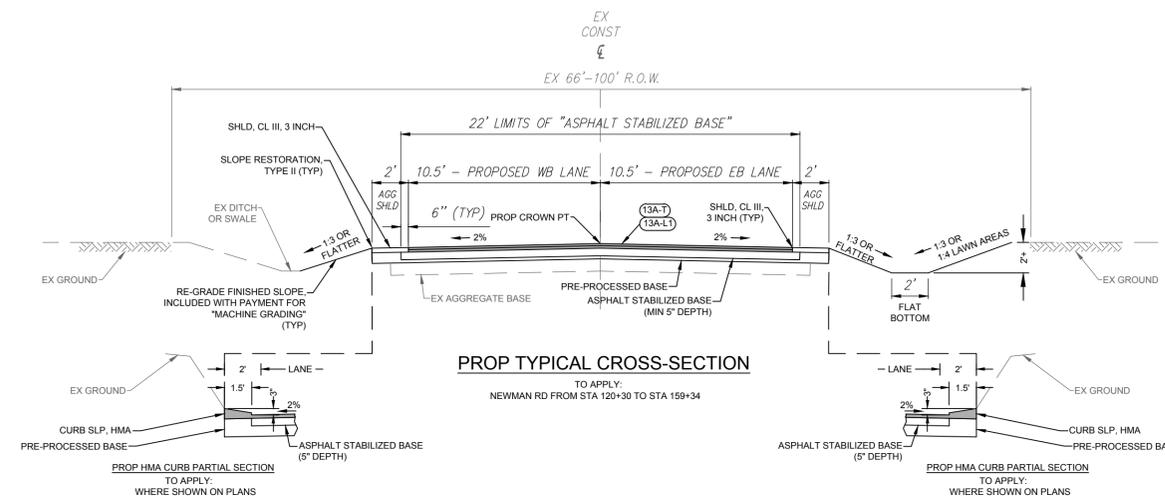
DATE	DATE
DRAFTER N. STEVENS	05-23-24
DESIGNER N. STEVENS	05-23-24
CHECKED BY A. TEMPLE	12-10-24
PROJECT MANAGER D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL J. SCHROT	12-10-24

JOB NO. MD24001	DRAWING NO. MD24001 TYP-2
SCALE: 1"=5'	SHEET NO. 6 OF 37



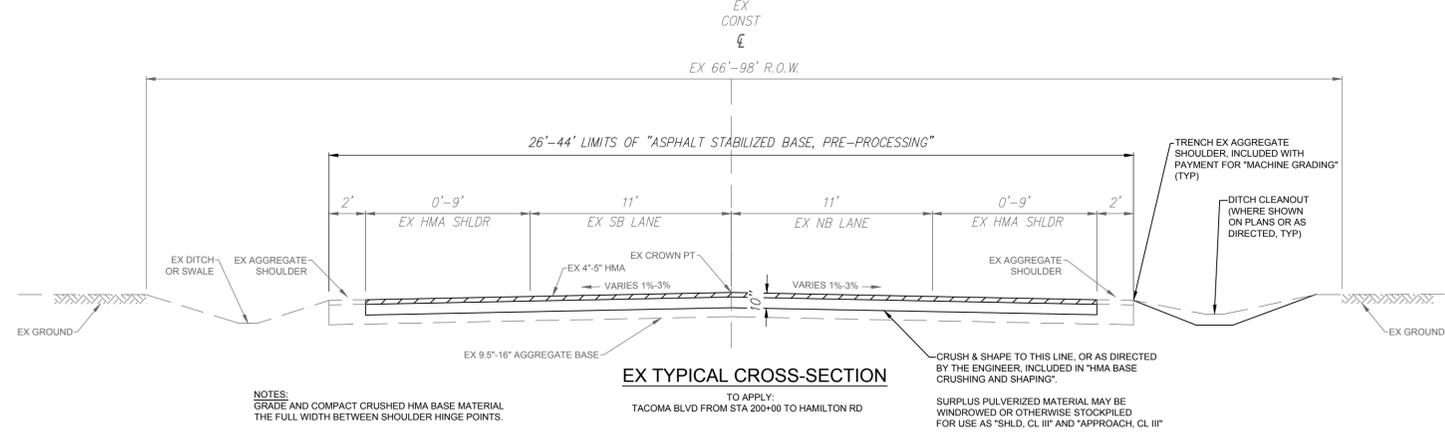
NOTES:
GRADE AND COMPACT CRUSHED HMA BASE MATERIAL THE FULL WIDTH BETWEEN SHOULDER HINGE POINTS.
ADD CEMENT TO PRE-PROCESSED BASE IMMEDIATELY PRIOR TO ASPHALT STABILIZATION AT THE LOCATION(S) AND APPLICATION RATE(S) DIRECTED BY THE ENGINEER.

CRUSH & SHAPE TO 10 INCH DEPTH, OR AS DIRECTED BY THE ENGINEER.
SURPLUS PULVERIZED MATERIAL MAY BE WINDROWED OR OTHERWISE STOCKPILED FOR USE AS "SHLD. CL III" AND "APPROACH. CL III"



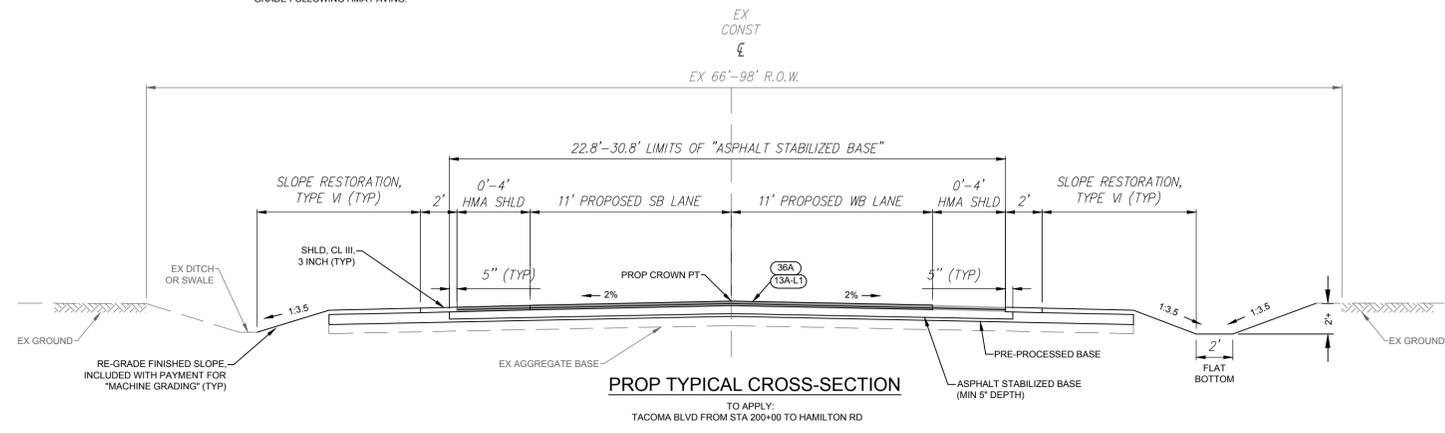
PROP HMA CURB PARTIAL SECTION
TO APPLY: WHERE SHOWN ON PLANS

PROP HMA CURB PARTIAL SECTION
TO APPLY: WHERE SHOWN ON PLANS



NOTES:
GRADE AND COMPACT CRUSHED HMA BASE MATERIAL THE FULL WIDTH BETWEEN SHOULDER HINGE POINTS.
WINDROW SURPLUS CRUSHED MATERIAL BEYOND THE HMA PAVING LIMITS FOR USE AS "SHLD. CL III. 4 INCH" MATERIAL TO MODERATE THE INCREASE IN FINISHED GRADE FOLLOWING HMA PAVING.

CRUSH & SHAPE TO THIS LINE, OR AS DIRECTED BY THE ENGINEER, INCLUDED IN "HMA BASE CRUSHING AND SHAPING".
SURPLUS PULVERIZED MATERIAL MAY BE WINDROWED OR OTHERWISE STOCKPILED FOR USE AS "SHLD. CL III" AND "APPROACH. CL III"



PROP HMA CURB PARTIAL SECTION
TO APPLY: WHERE SHOWN ON PLANS

PROP HMA CURB PARTIAL SECTION
TO APPLY: WHERE SHOWN ON PLANS

P:\cadd\Dec 27, 2024, 2:4 PM by user: 1151 -- Saved: 12/26/2024 by user: 1151
 J:\MD\MD24001 - 2025 Meridian Local Program\JWG\MD24001.TYP.dwg



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

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE
UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

EXISTING AND PROPOSED TYPICAL SECTIONS - 4

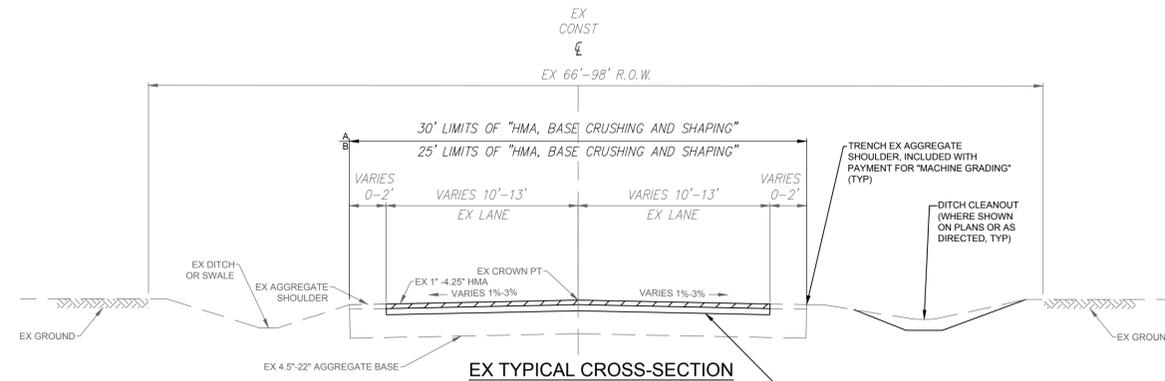
SECTION 14, 15, 21, 22, 24, 27, 28
TOWN 4 NORTH RANGE 1 WEST
CITY/TOWNSHIP MERIDIAN TOWNSHIP
COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3		BID SUBMITTAL

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

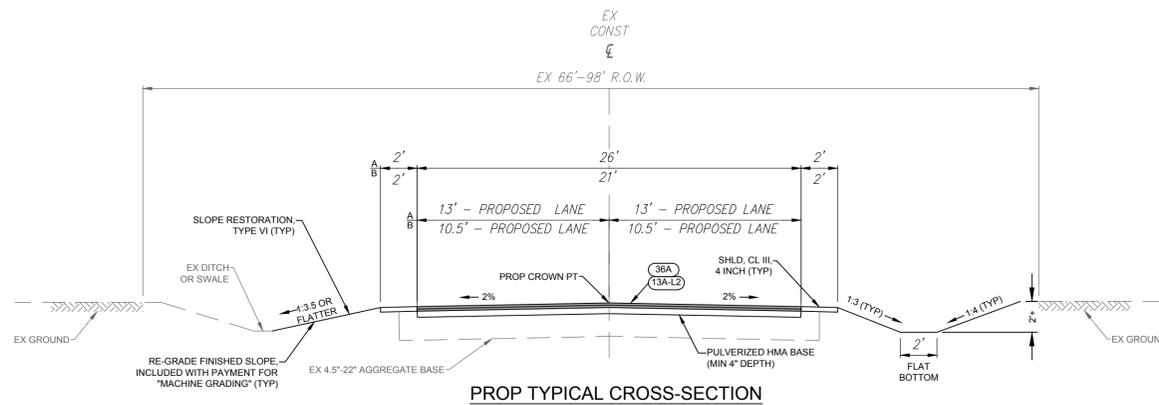
JOB NO.	DRAWING NO.
MD24001	MD24001TYP
SCALE:	SHEET NO.
1"=5'	7 OF 37



NOTES:
GRADE AND COMPACT CRUSHED HMA BASE MATERIAL THE FULL WIDTH BETWEEN SHOULDER HINGE POINTS.
WINDROW SURPLUS CRUSHED MATERIAL BEYOND THE HMA PAVING LIMITS FOR USE AS "SHLD. CL III, 4 INCH"

TO APPLY:
A: ONEIDA DR, TACOMA BLVD TO STA 481+89
B: LAGOON DR, TACOMA BLVD TO END
C: NAVAHO TR, WAUSAU RD TO TACOMA BLVD
D: OSAGE DR, WAUSAU RD TO TACOMA BLVD
E: YUMA TR, WAUSAU RD TO TACOMA BLVD
F: YUMA TR, TACOMA BLVD TO STA 311+00
G: YUMA TR, STA 311+00 TO STA 311+45
H: WAUSAU RD, YUMA TR TO LAGOON DR

CRUSH & SHAPE TO 7 INCH DEPTH, OR AS DIRECTED BY THE ENGINEER.
SURPLUS PULVERIZED MATERIAL MAY BE WINDROWED OR OTHERWISE STOCKPILED FOR USE AS "SHLD. CL III" AND "APPROACH, CL III"



PROP TYPICAL CROSS-SECTION

TO APPLY:
A: ONEIDA DR, TACOMA BLVD TO STA 481+89
B: LAGOON DR, TACOMA BLVD TO END
C: NAVAHO TR, WAUSAU RD TO TACOMA BLVD
D: OSAGE DR, WAUSAU RD TO TACOMA BLVD
E: YUMA TR, WAUSAU RD TO TACOMA BLVD
F: YUMA TR, TACOMA BLVD TO STA 311+00
G: YUMA TR, STA 311+00 TO STA 311+45
H: WAUSAU RD, YUMA TR TO LAGOON DR

HMA APPLICATION ESTIMATE

ID NO.	PAY ITEM	RATE(LBS/SYD)	PERFORMANCE GRADE	REMARKS
13A-T	HMA, 13A	165	58-28 ^{1,3}	TOP COURSE, AWI=260
13A-L1	HMA, 13A	165	58-28	LEVELING COURSE
13A-L2	HMA, 13A	275	58-28	LEVELING COURSE
36A	HMA, 36A	165	58-28 ^{1,3}	TOP COURSE, AWI=260
HA1	HMA APPROACH	165	58-28	TOP COURSE
HA2	HMA APPROACH	330-500	58-28	APPROACHES (2 EQUAL LIFTS)
HP	HAND PATCHING	AS DIRECTED	58-28	PLACE IN LIFTS NOT TO EXCEED 275 LB/SYD
*BOND COAT		0.05-0.15 GAL/SYD		

* FOR INFORMATION ONLY

ASPHALT NOTES:

- FURNISH ASPHALT CEMENT (AC) BINDER NOT EXCEEDING 17% RAP BINDER BY WEIGHT OF TOTAL BINDER (TIER 1) PER APPLICABLE SPECIAL PROVISION(S) ON ALL MAINLINE MIXTURES.
- REGRESS TOP COURSE MIXTURE AIR VOIDS TO 3% ON ALL MAINLINE MIXTURES.
- DEVULCANIZED RECYCLED TIRE RUBBER MODIFIED ASPHALT CEMENT (AC) BINDER WILL BE SPECIFIED AS AN "ADD ON" TO THE HMA ITEM(S) FOR TOP COURSE MIXTURES TO ENHANCE THE PG GRADE OF THE AC BINDER AND TO INCREASE THE SERVICE LIFE OF THE HMA MIXTURE(S). THIS ITEM WILL BE USED ONLY AS DIRECTED BY THE ENGINEER FOR TOP COURSE MIXTURES. SEE SPECIAL PROVISION.



Know what's below.
Call before you dig.

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE

UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.

COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

EXISTING AND PROPOSED
TYPICAL SECTIONS - 5

SECTION 14, 15, 21, 22, 24, 27, 28

TOWN 4 NORTH RANGE 1 WEST

CITY/TOWNSHIP MERIDIAN TOWNSHIP

COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3		BID SUBMITTAL

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY

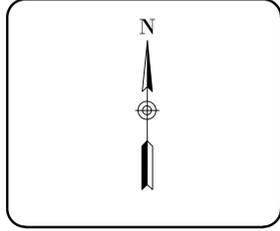
DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001TYP
SCALE:	SHEET NO.
1"=5'	8 OF 37

SPALDING DeDECKER
 Engineers | Planners | Surveyors
 Excellence Since 1954
 313 N. Capitol Ave, Suite 100
 Lansing, MI 48933
 Phone (517) 679-4400
 Headquarters
 Rochester Hills
 Branch Offices
 Detroit | Grand Rapids | Novi | Lansing | Flint



www.sda-eng.com
 (800) 598-1600



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

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE
UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.

COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS
 - TIHART RD - 1

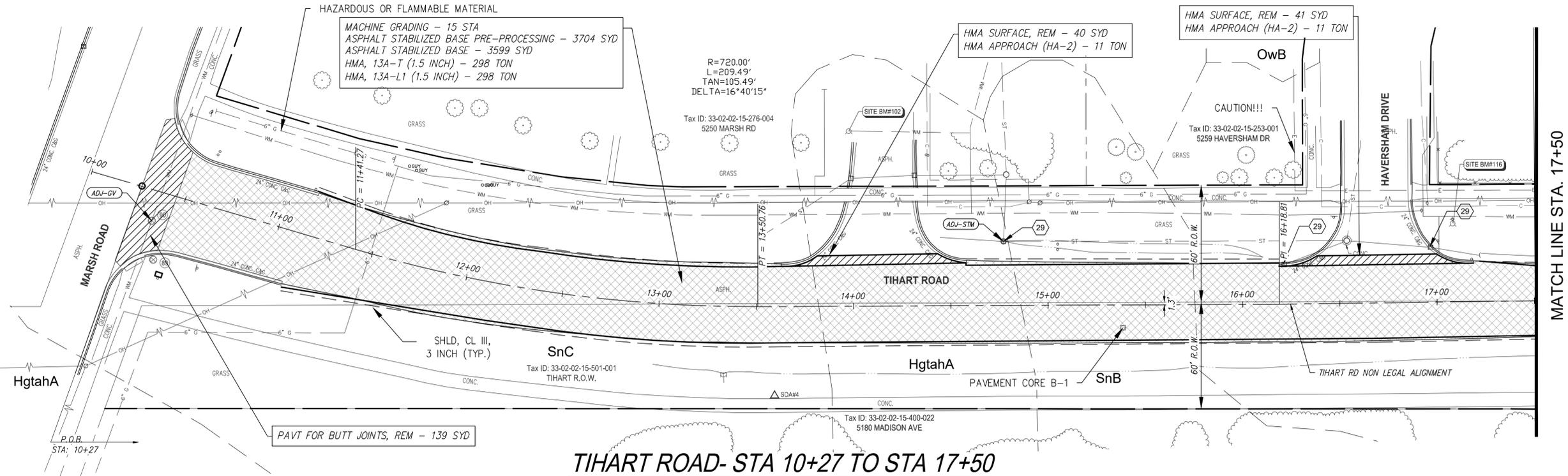
SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

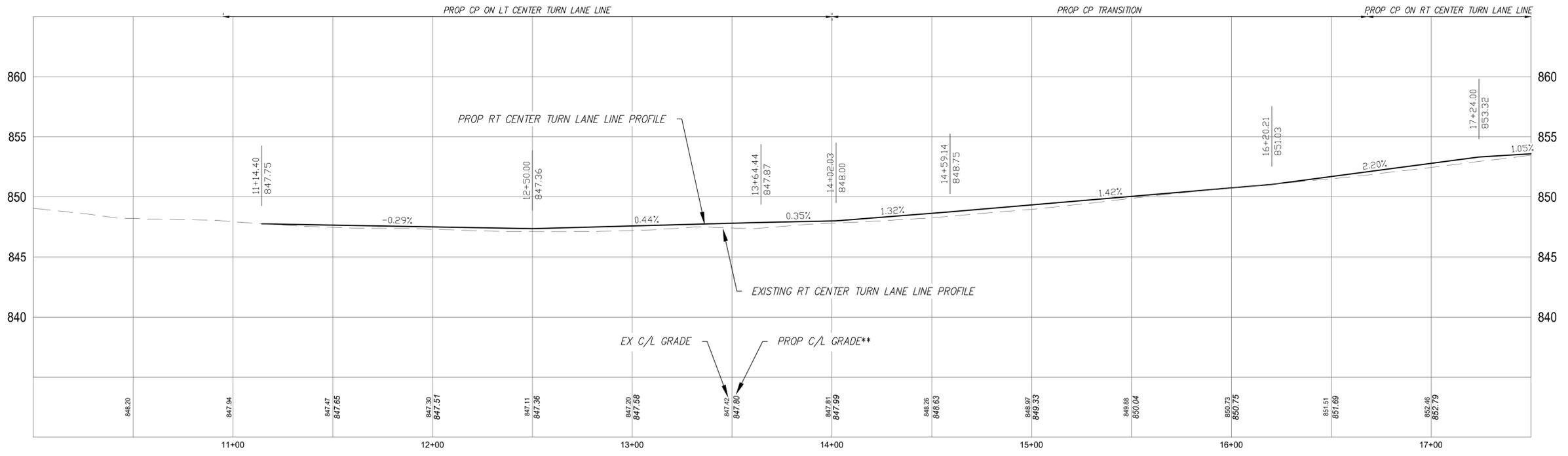
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001CON
SCALE:	SHEET NO.
1" = 60'	9 OF 37



TIHART ROAD- STA 10+27 TO STA 17+50



TIHART ROAD PROFILE- STA 10+27 TO STA 17+50

VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 30'
 **GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

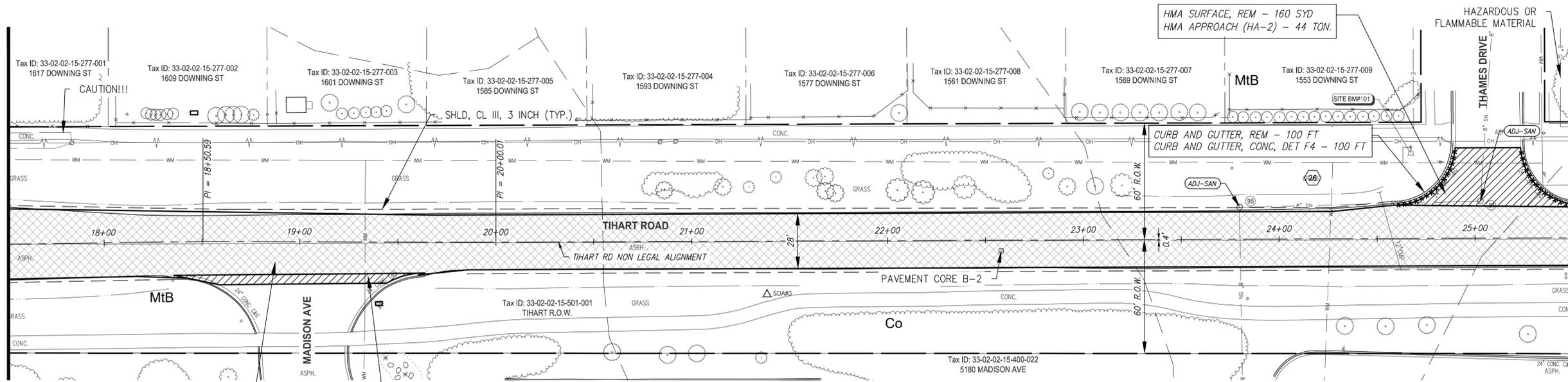
QUANTITIES - THIS SHEET

Item	Quantity	Unit
Excavation, Earth		Cyd
Machine Grading	15	Sta
Erosion Control, Inlet Protection, Fabric Drop	4	Ea
_Asphalt Stabilized Base, Pre-Processing	3704	Syd
_Asphalt Stabilized Base	3599	Syd
_Stabilization Asphalt, Engineered Emulsion	25	Ton
Shld, Cl III, 3 inch	333	Syd
Dr Structure, Temp Lowering	1	Ea
Dr Structure Cover, Adj, Case 2	1	Ea
HMA Surface, Rem	81	Syd
Pavt for Butt Joints, Rem	139	Syd
HMA, 13A	596	Ton
HMA Approach	22	Ton
_Slope Restoration, Type II	1667	Syd
Gate Box, Adj, Case 1	1	Ea

P:\ctf\dec 30, 2024, 2:16 PM by user: 1151 - Saved: 12/30/2024 by user: 1105
 J:\MD\MD24001 - 2025 Meridian Local Program\DWG\MD24001CON.dwg

MATCH LINE STA. 17+50

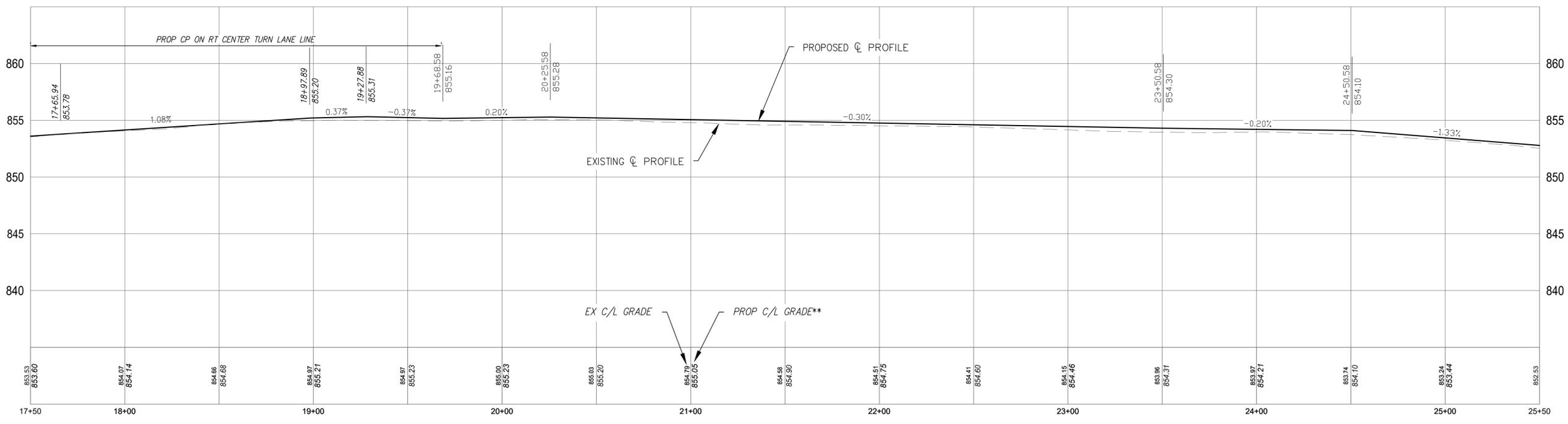
MATCH LINE STA. 25+50



TIHART ROAD- STA 17+50 TO STA 25+50

MACHINE GRADING - 16 STA
 ASPHALT STABILIZED BASE PRE-PROCESSING - 2992 SYD
 ASPHALT STABILIZED BASE - 2859 SYD
 HMA, 13A-T (1.5 INCH) - 243 TON
 HMA, 13A-L1 (1.5 INCH) - 243 TON

HMA SURFACE, REM - 58 SYD
 HMA APPROACH (HA-2) - 16 TON



TIHART ROAD PROFILE- STA 17+50 TO STA 25+50

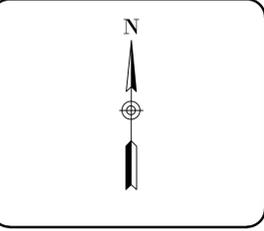
VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 30'
 **GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

TREE REMOVAL LEGEND	
R1	Tree, Rem, 19 inch to 36 inch
R2	Tree, Rem, 37 inch or Larger
R3	Tree, Rem, 6 inch to 18 inch
R4	Stump, Rem, 19 inch to 36 inch

QUANTITIES - THIS SHEET		
Item	Quantity	Unit
Curb and Gutter, Rem	100	Ft
Machine Grading	16	Sta
Asphalt Stabilized Base, Pre-Processing	2992	Syd
Asphalt Stabilized Base	2859	Syd
Stabilization Asphalt, Engineered Emulsion	20	Ton
Shld, Cl III, 3 inch	356	Syd
Dr Structure, Temp Lowering	1	Ea
HMA Surface, Rem	218	Syd
HMA, 13A	486	Ton
HMA Approach	60	Ton
Curb and Gutter, Conc, Det F4	100	Ft
Slope Restoration, Type II	1778	Syd
Sanitary Structure Cover, Adj, Case 1, Modified	2	Ea
Sanitary Structure, Chimney Seal, External	30	Sft

SPALDING DeDECKER
 Engineers | Planners | Surveyors
 Excellence Since 1954
 313 N. Capitol Ave, Suite 100
 Lansing, MI 48933
 Phone (517) 679-4400
 Headquarters
 Rochester Hills
 Branch Offices
 Detroit | Grand Rapids | Novi | Lansing | Flint

 www.sda-eng.com
 (800) 598-1600



811
 Know what's below.
 Call before you dig.
 PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.
UTILITY NOTE
 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

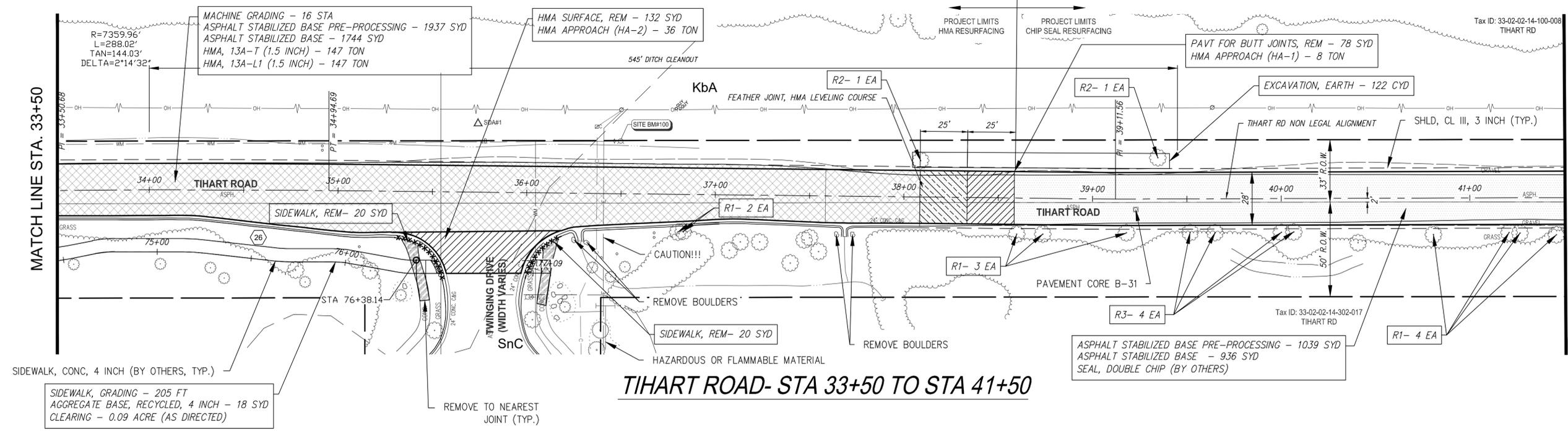
2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS - TIHART RD - 2		
SECTION 14, 15, 21, 22, 24, 27, 28		
TOWN 4 NORTH RANGE 1 WEST		
CITY/TOWNSHIP MERIDIAN TOWNSHIP		
COUNTY INGHAM		
NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL
VERIFY SCALES		
BAR IS ONE INCH ON ORIGINAL DRAWING		
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY		
DRAFTER	DATE	
N. STEVENS	05-23-24	
DESIGNER	DATE	
N. STEVENS	05-23-24	
CHECKED BY	DATE	
A. TEMPLE	12-10-24	
PROJECT MANAGER	BID PLAN DATE	
D. TROIA	12-26-24	
DEPARTMENT MANAGER APPROVAL	DATE	
J. SCHROT	12-10-24	
JOB NO.	DRAWING NO.	
MD24001	MD24001CON	
SCALE:	SHEET NO.	
1" = 60'	10 OF 37	

P:\cadd\Dec 20, 2024, 2:17 PM by user: 1151 - Saved: 12/20/2024 by user: 1105
 J:\MID\MD24001 - 2025 Meridian Local Program\DWG\MD24001CON.dwg

MATCH LINE STA. 33+50

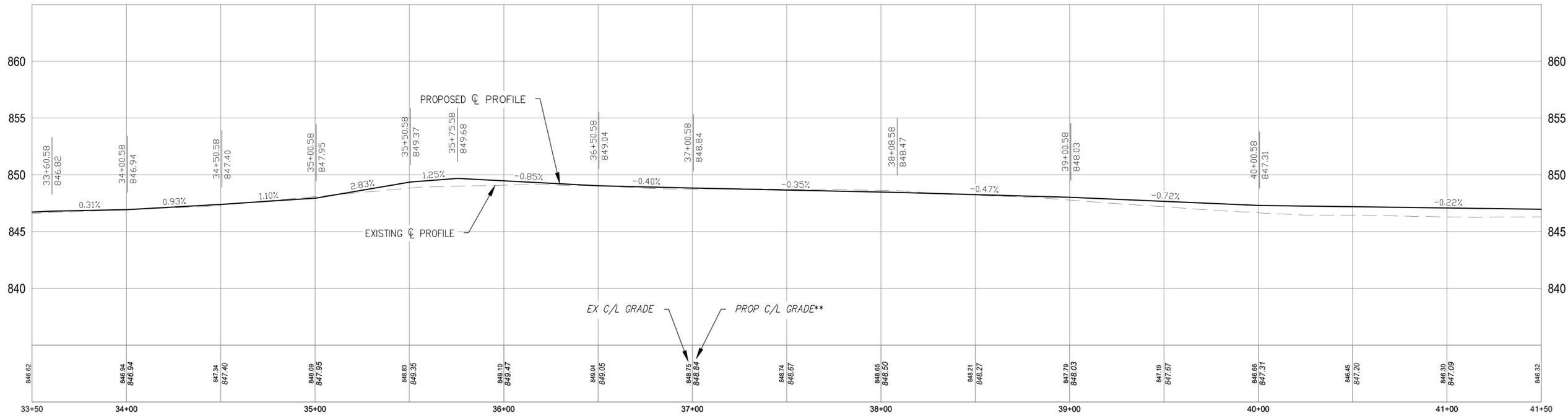
MATCH LINE STA. 41+50



SIDEWALK, CONC, 4 INCH (BY OTHERS, TYP.)

SIDEWALK, GRADING - 205 FT
AGGREGATE BASE, RECYCLED, 4 INCH - 18 SYD
CLEARING - 0.09 ACRE (AS DIRECTED)

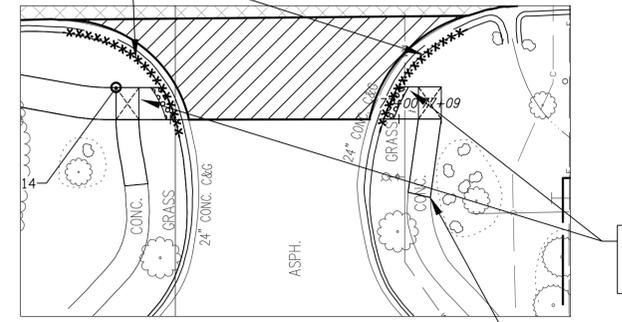
TIHART ROAD- STA 33+50 TO STA 41+50



TIHART ROAD PROFILE - STA 33+50 TO STA 41+50

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 30'
**GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

CURB AND GUTTER, REM - 70 FT
CURB AND GUTTER, CONC, B2 - 70 FT



SIDEWALK DETAIL

SCALE: 1"=20'

SIDEWALK, GRADING - 30 FT
AGGREGATE BASE, RECYCLED, 4 INCH - 10 SYD

CURB RAMP OPENING, CONC - 20 FT
DETECTABLE WARNING SURFACE - 16 FT
CURB RAMP CONC, 6 INCH - 161 SFT

TREE REMOVAL LEGEND

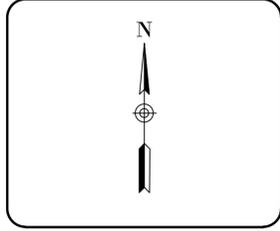
R1	Tree, Rem, 19 inch to 36 inch
R2	Tree, Rem, 37 inch or Larger
R3	Tree, Rem, 6 inch to 18 inch
R4	Stump, Rem, 19 inch to 36 inch

QUANTITIES - THIS SHEET

Item	Quantity	Unit
Clearing	0.09	Acre
Tree, Rem, 19 inch to 36 inch	9	Ea
Tree, Rem, 37 inch or Larger	2	Ea
Tree, Rem, 6 inch to 18 inch	4	Ea
Curb and Gutter, Rem	70	Ft
Sidewalk, Rem	40	Syd
Ditch Cleanout	6	Sta
Excavation, Earth	122	Cyd
Machine Grading	16	Sta
Sidewalk, Grading	235	Ft
Aggregate Base, Recycled, 4 inch	171	Syd
Asphalt Stabilized Base, Pre-Processing	2976	Syd
Asphalt Stabilized Base	2680	Syd
Stabilization Asphalt, Engineered Emulsion	19	Ton
Shld, Cl III, 3 inch	356	Syd
HMA Surface, Rem	132	Syd
Pavt for Butt Joints, Rem	78	Syd
HMA, 13A	294	Ton
HMA Approach	44	Ton
Curb and Gutter, Conc, Det B2	70	Ft
Detectable Warning Surface	16	Ft
Curb Ramp Opening, Conc	20	Ft
Curb Ramp, Conc, 6 inch	161	Sft
Slope Restoration, Type II	1867	Syd

SPALDING DeDECKER
Engineers | Planners | Surveyors
Excellence Since 1954
313 N. Capitol Ave, Suite 100
Lansing, MI 48933
Phone (517) 679-4400
Headquarters
Rochester Hills
Branch Offices
Detroit | Grand Rapids | Novi | Lansing | Flint

www.sda-eng.com
(800) 598-1600



MERIDIAN TOWNSHIP
EST. 1842
A PRIME COMMUNITY

811
Know what's below.
Call before you dig.
PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE
UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS - TIHART RD - 4

SECTION 14, 15, 21, 22, 24, 27, 28
TOWN 4 NORTH RANGE 1 WEST
CITY/TOWNSHIP MERIDIAN TOWNSHIP
COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24

DESIGNER	DATE
N. STEVENS	05-23-24

CHECKED BY	DATE
A. TEMPLE	12-10-24

PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24

DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROTT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001CON

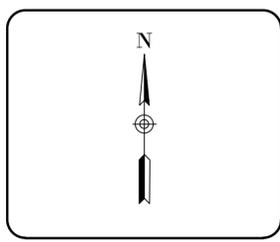
SCALE	SHEET NO.
1" = 60'	12 OF 37

Plotted: Dec 30, 2024, 3:24 PM by user: 1151 - Saved: 12/30/2024 by user: 1105
 J:\MD\MD24001 - 2025 Meridian Local Program\J\G\MD24001CON.dwg

SPALDING DeDECKER
 Engineers | Planners | Surveyors
 Excellence Since 1954
 313 N. Capitol Ave, Suite 100
 Lansing, MI 48933
 Phone (517) 679-4400
 Headquarters
 Rochester Hills
 Branch Offices
 Detroit | Grand Rapids | Novi | Lansing | Flint



www.sda-eng.com
 (800) 598-1600



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

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE

UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.

COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS
 - TIHART RD - 5

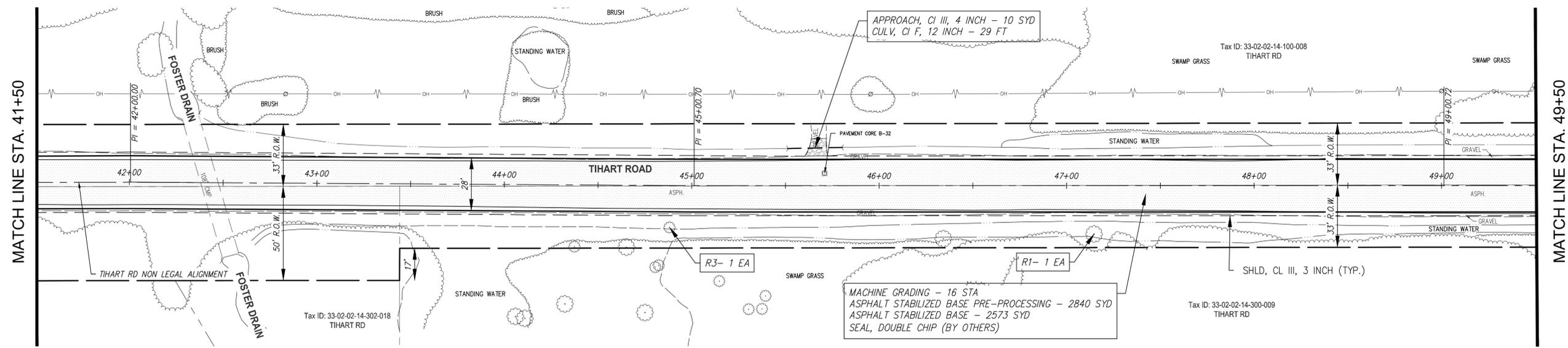
SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

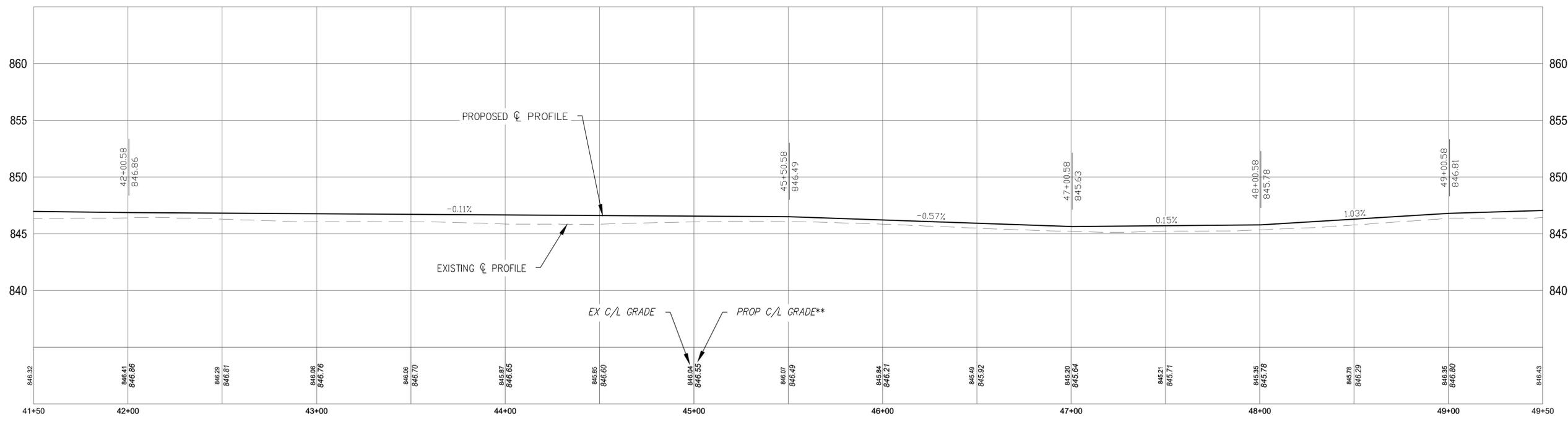
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001CON
SCALE:	SHEET NO.
1" = 60'	13 OF 37



TIHART ROAD- STA 41+50 TO STA 49+50



TIHART ROAD PROFILE- STA 41+50 TO STA 49+50

VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 30'
 **GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

TREE REMOVAL LEGEND

R1	Tree, Rem, 19 inch to 36 inch
R2	Tree, Rem, 37 inch or Larger
R3	Tree, Rem, 6 inch to 18 inch
R4	Stump, Rem, 19 inch to 36 inch

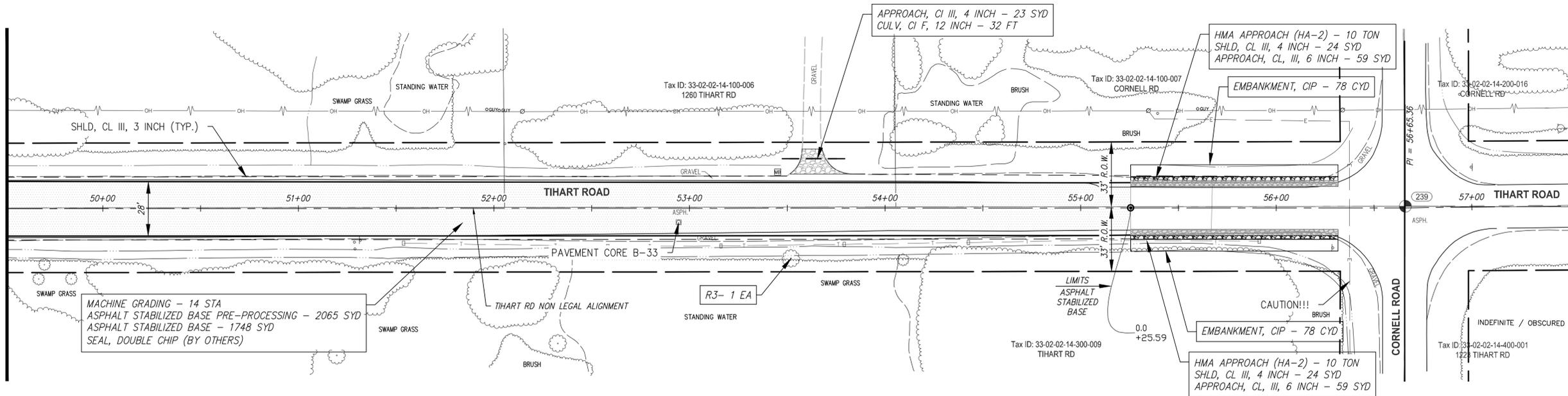
QUANTITIES - THIS SHEET

Item	Quantity	Unit
Tree, Rem, 19 inch to 36 inch	1	Ea
Tree, Rem, 6 inch to 18 inch	1	Ea
Machine Grading	16	Sta
_Asphalt Stabilized Base, Pre-Processing	2840	Syd
_Asphalt Stabilized Base	2573	Syd
_Stabilization Asphalt, Engineered Emulsion	18	Ton
Approach, CI III, 4 inch	10	Syd
Shld, CI III, 3 inch	356	Syd
Culv, CI F, 12 inch	29	Ft
_Slope Restoration, Type II	1778	Syd

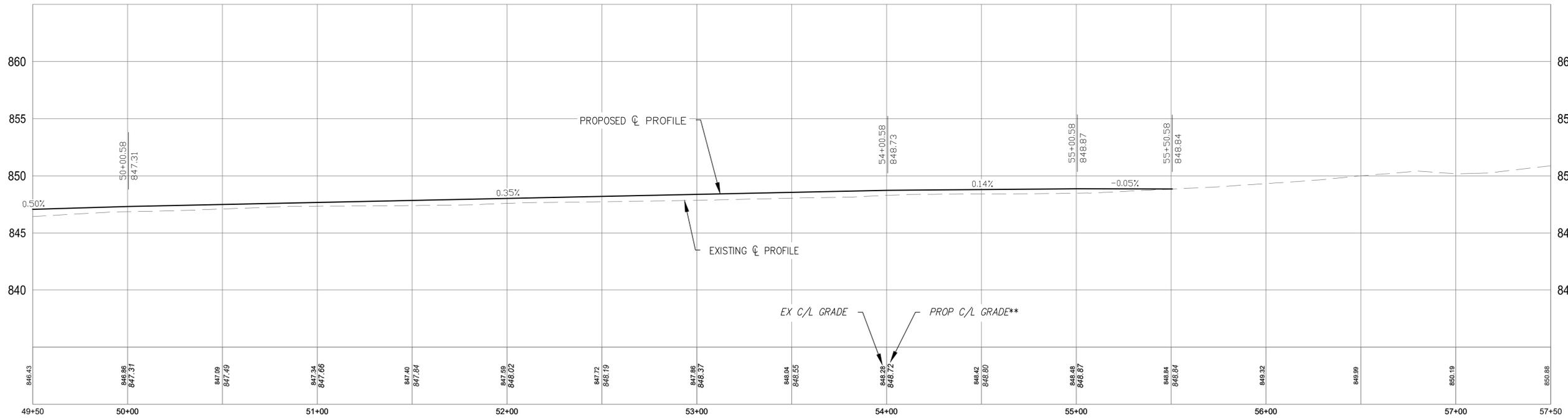
Plotted: Dec 30, 2024, 3:24 PM by user: 1151 - Saved: 12/30/2024 by user: 1105
 J:\MID\MD24001 - 2025 Meridian Local Program\J\G\MID-4001CON.dwg

MATCH LINE STA. 49+50

MATCH LINE STA. 57+50



TIHART ROAD- STA 49+50 TO STA 57+50



TIHART ROAD PROFILE- STA 49+50 TO STA 57+50

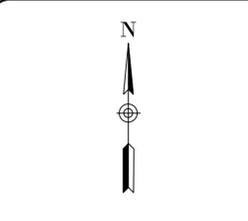
VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 30'
 **GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

TREE REMOVAL LEGEND	
R1	Tree, Rem, 19 inch to 36 inch
R2	Tree, Rem, 37 inch or Larger
R3	Tree, Rem, 6 inch to 18 inch
R4	Stump, Rem, 19 inch to 36 inch

QUANTITIES - THIS SHEET		
Item	Quantity	Unit
Tree, Rem, 6 inch to 18 inch	1	Ea
Embankment, CIP	156	Cyd
Machine Grading	14	Sta
_Asphalt Stabilized Base, Pre-Processing	2065	Syd
_Asphalt Stabilized Base	1748	Syd
_Stabilization Asphalt, Engineered Emulsion	12	Ton
Approach, CI III, 4 inch	23	Syd
Approach, CI III, 6 inch	118	Syd
Shld, CI III, 3 inch	311	Syd
Shld, CI III, 4 inch	48	Syd
Culv, CI F, 12 inch	32	Ft
HMA Approach	44	Ton
_Slope Restoration, Type II	1356	Syd

SPALDING DeDECKER
 Engineers | Planners | Surveyors
 Excellence Since 1954
 313 N. Capitol Ave, Suite 100
 Lansing, MI 48933
 Phone (517) 679-4400
 Headquarters
 Rochester Hills
 Branch Offices
 Detroit | Grand Rapids | Novi | Lansing | Flint

 www.sda-eng.com
 (800) 598-1600



811
 Know what's below.
 Call before you dig.
 PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.
 UTILITY NOTE
 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS - TIHART RD - 6

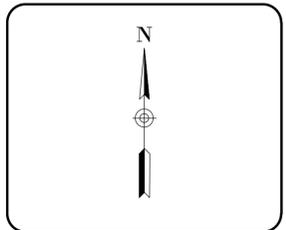
SECTION 14, 15, 21, 22, 24, 27, 28
TOWN 4 NORTH RANGE 1 WEST
CITY/TOWNSHIP MERIDIAN TOWNSHIP
COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001CON
SCALE:	SHEET NO.
1" = 60'	14 OF 37



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

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE
 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREIN IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS
 - TIHART RD - 7

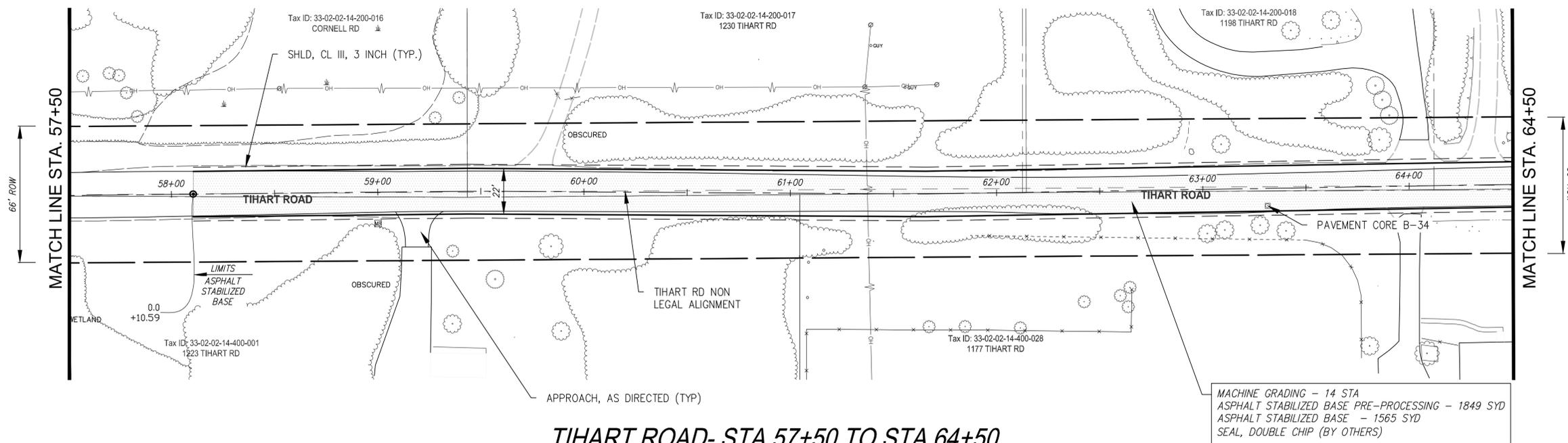
SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

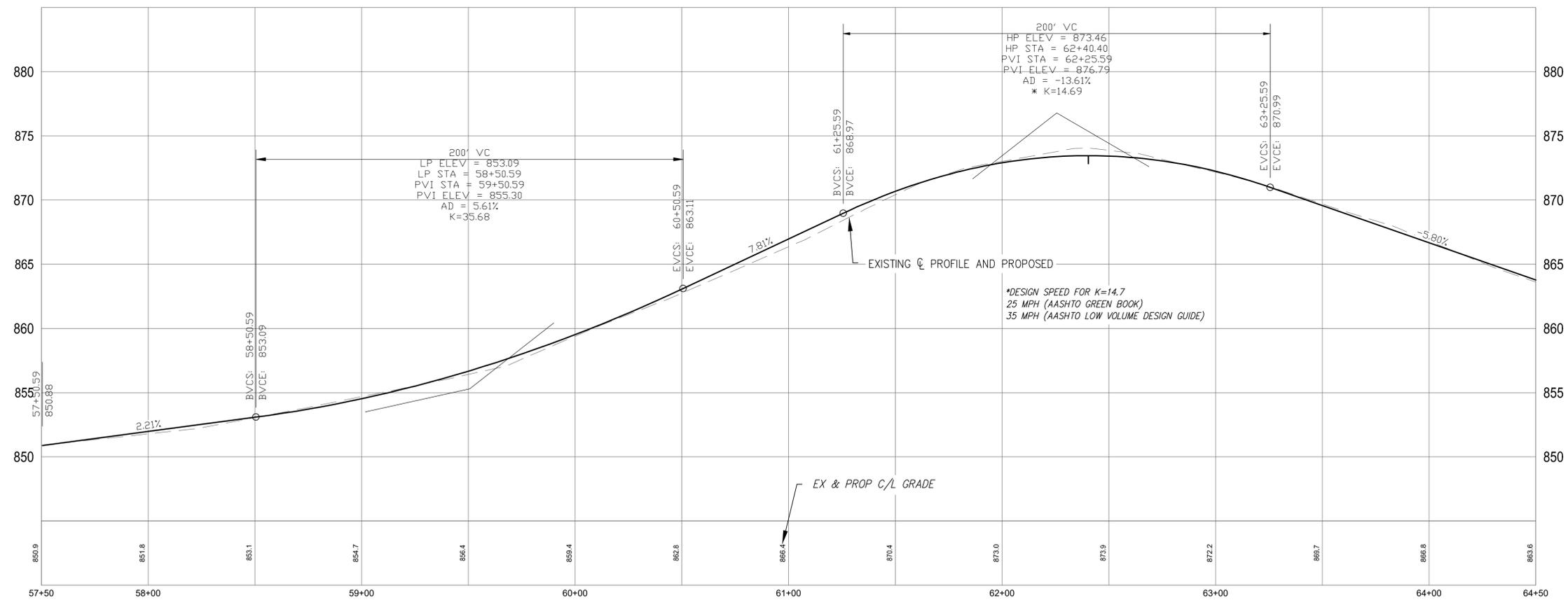
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001CON
SCALE:	SHEET NO.
1" = 60'	15 OF 37



TIHART ROAD- STA 57+50 TO STA 64+50

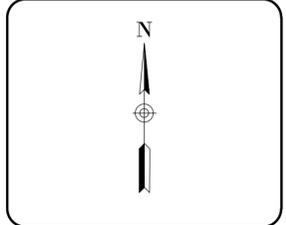


TIHART ROAD PROFILE- STA 57+50 TO STA 64+50

VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 30'
 **GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

QUANTITIES - THIS SHEET

Item	Quantity	Unit
Machine Grading	14	Sta
Asphalt Stabilized Base, Pre-Processing	1849	Syd
Asphalt Stabilized Base	1565	Syd
Stabilization Asphalt, Engineered Emulsion	11	Ton
Shld, Cl III, 3 inch	311	Syd



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

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE

UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.

COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

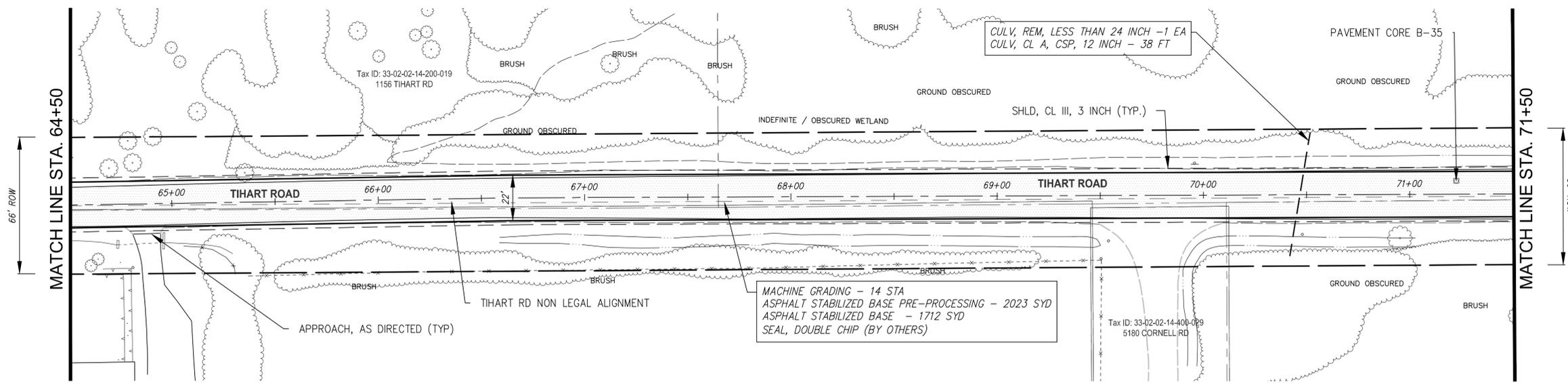
PAVING AND REMOVALS
 - TIHART RD - 8

SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

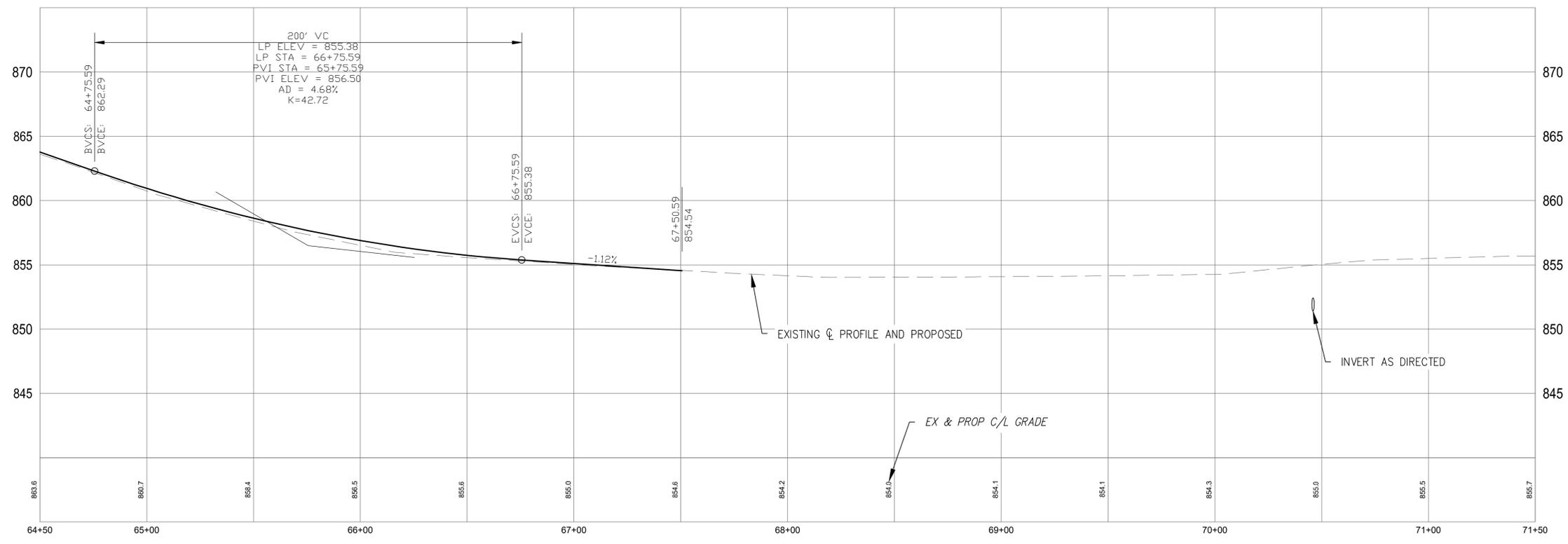
NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24
JOB NO.	DRAWING NO.
MD24001	MD24001CON
SCALE:	SHEET NO.
1" = 60'	16 OF 37



TIHART ROAD- STA 64+50 TO STA 71+50

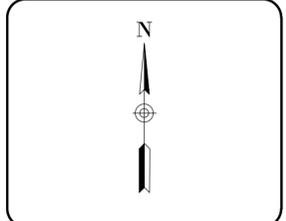


TIHART ROAD PROFILE- STA 64+50 TO STA 71+50

VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 30'
 **GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

QUANTITIES - THIS SHEET

Item	Quantity	Unit
Culv. Rem. Less than 24 Inch	1	Ea
Machine Grading	14	Sta
Asphalt Stabilized Base, Pre-Processing	2023	Syd
Asphalt Stabilized Base	1712	Syd
Stabilization Asphalt, Engineered Emulsion	12	Ton
Shld. Cl III, 3 inch	311	Syd
Culv. Cl A, CSP, 12 inch	38	Ft



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

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE

UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.

COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS
 - TIHART RD - 9

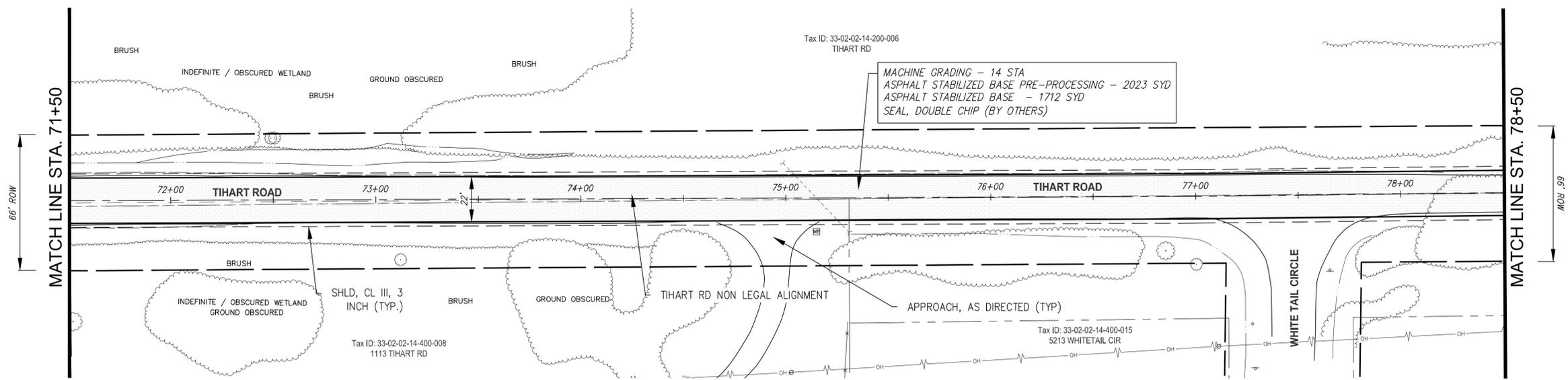
SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

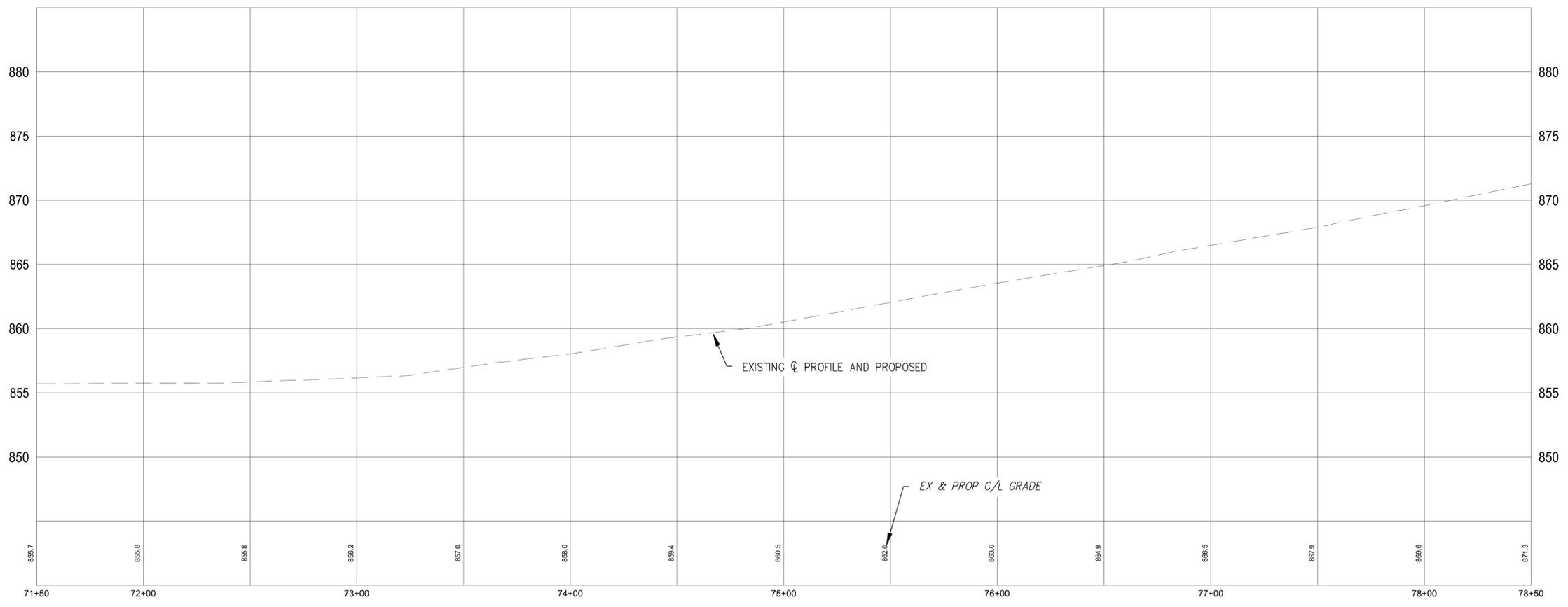
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLER	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001CON
SCALE:	SHEET NO.
1" = 60'	17 OF 37



TIHART ROAD- STA 71+50 TO STA 78+50



TIHART ROAD PROFILE- STA 71+50 TO STA 78+50

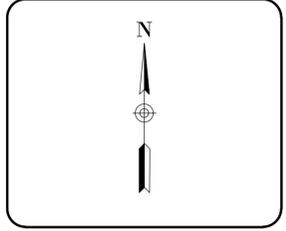
VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 30'
 **GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

QUANTITIES - THIS SHEET		
Item	Quantity	Unit
Machine Grading	14	Sta
Asphalt Stabilized Base, Pre-Processing	2023	Syd
Asphalt Stabilized Base	1712	Syd
Stabilization Asphalt, Engineered Emulsion	12	Ton
Shld, Cl III, 3 inch	311	Syd

SPALDING DeDECKER
 Engineers | Planners | Surveyors
 Excellence Since 1954
 313 N. Capitol Ave, Suite 100
 Lansing, MI 48933
 Phone (517) 679-4400
 Headquarters
 Rochester Hills
 Branch Offices
 Detroit | Grand Rapids | Novi | Lansing | Flint



www.sda-eng.com
 (800) 598-1600



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

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE
UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS
 - TIHART RD - 10

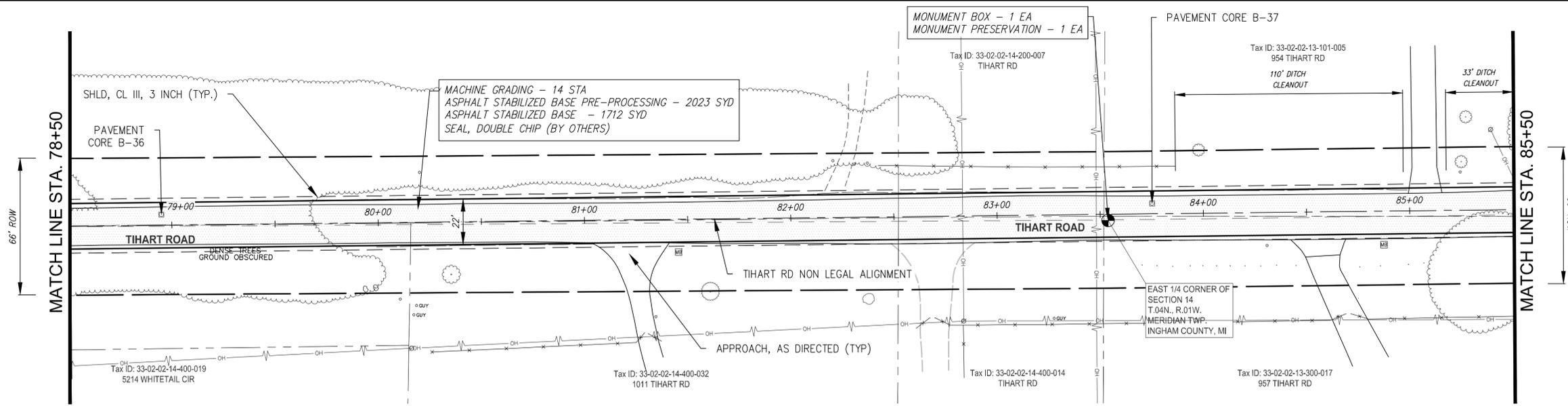
SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

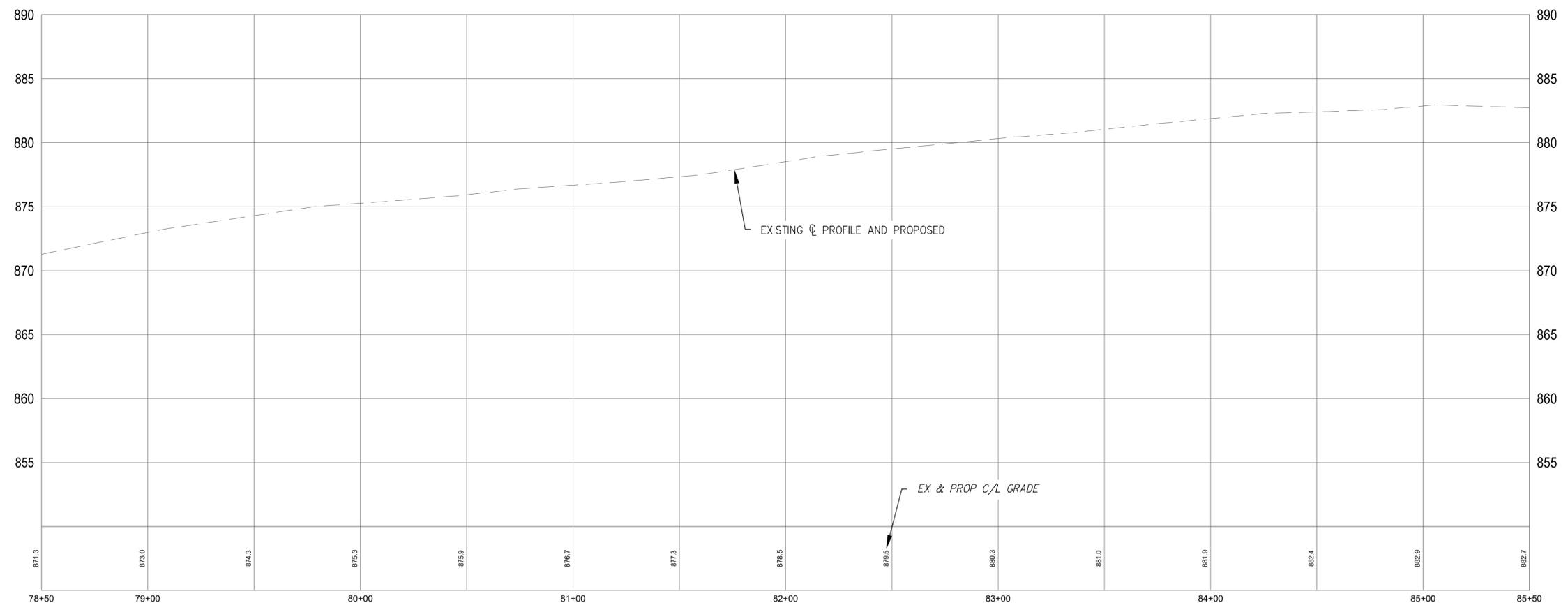
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001CON
SCALE:	SHEET NO.
1" = 60'	18 OF 37



TIHART ROAD- STA 78+50 TO STA 85+50



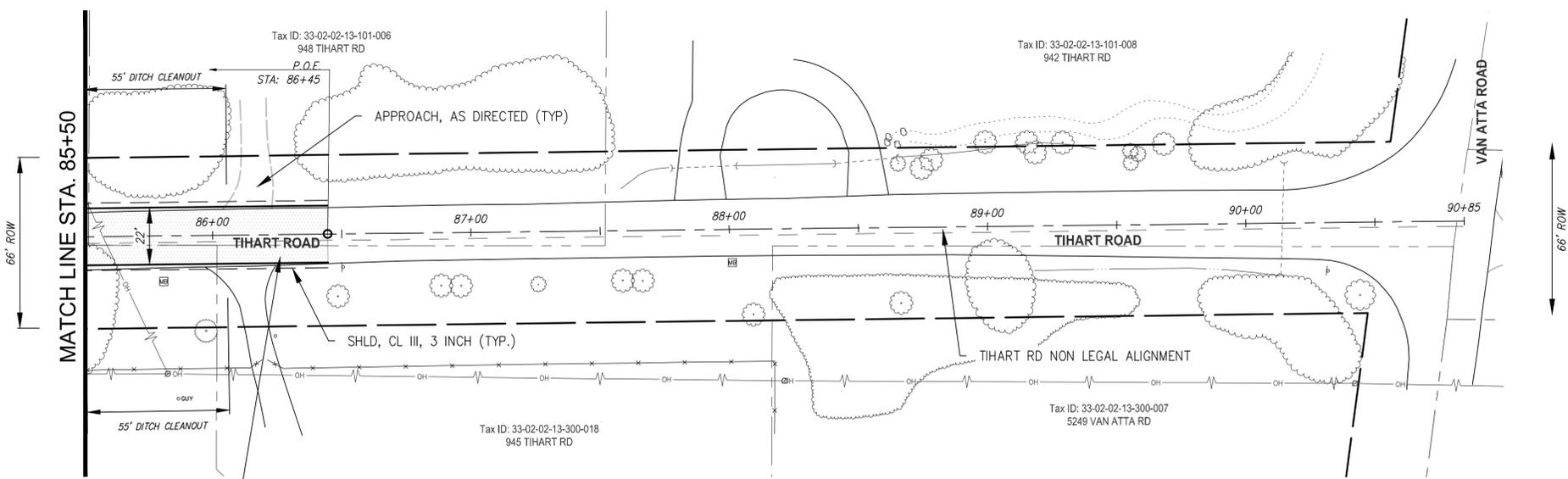
TIHART ROAD PROFILE- STA 78+50 TO STA 85+50

VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 30'
 **GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

QUANTITIES - THIS SHEET		
Item	Quantity	Unit
Ditch Cleanout	2	Sta
Machine Grading	14	Sta
Asphalt Stabilized Base, Pre-Processing	2023	Syd
Asphalt Stabilized Base	1712	Syd
Stabilization Asphalt, Engineered Emulsion	12	Ton
Shld, Cl III, 3 inch	311	Syd
Monument Box	1	Ea
Monument Preservation	1	Ea

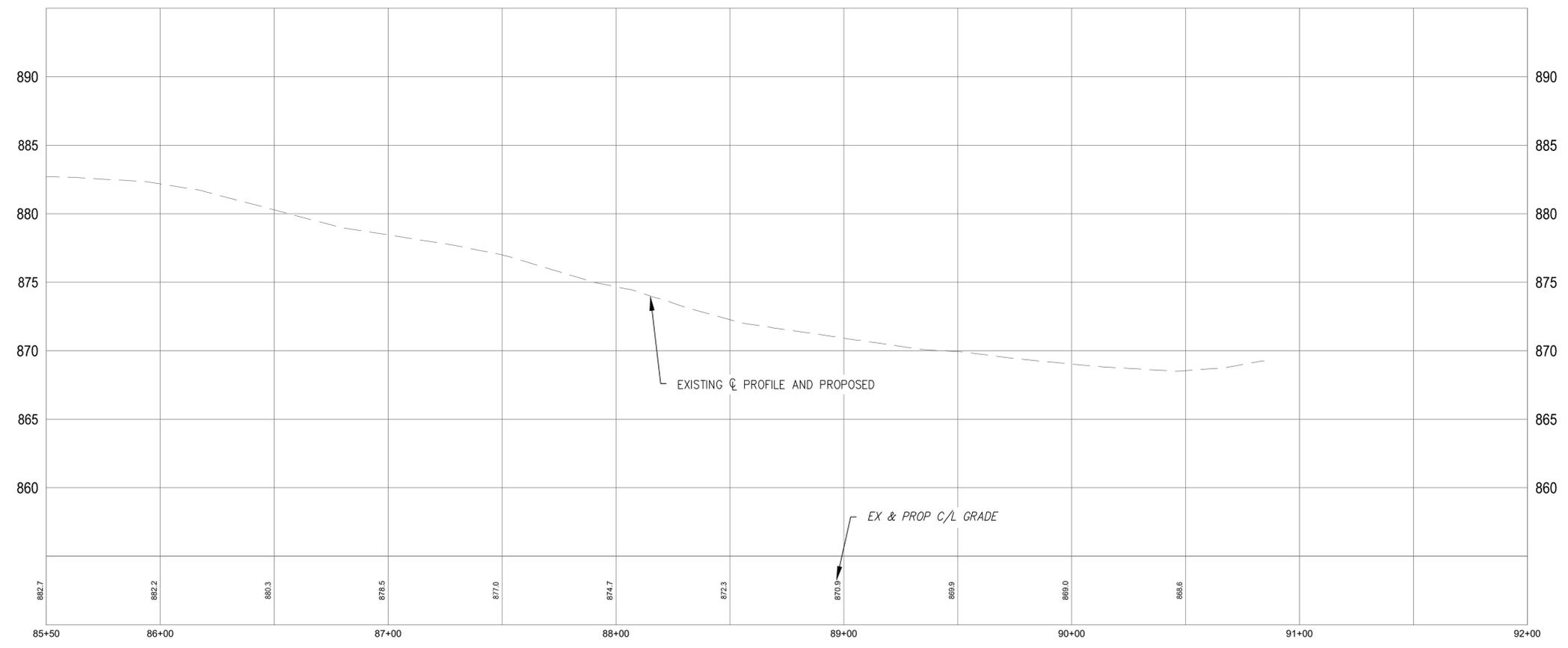
Plotted: Dec 20, 2024, 3:25 PM by user: 1151 - Saved: 12/20/2024 by user: 1105
 J:\MD\MD24001 - 2025 Meridian Local Road Program\J\MD24001CON.dwg

Plotted: Dec 20, 2024, 3:26 PM by user: 1151 - Saved: 12/20/2024 by user: 1105
 J:\MD\MD24001 - 2025 Meridian Local Road Program\J\MD24001\CON.dwg



MACHINE GRADING - 2 STA
 ASPHALT STABILIZED BASE PRE-PROCESSING - 272 SYD
 ASPHALT STABILIZED BASE - 231 SYD
 SEAL, DOUBLE CHIP (BY OTHERS)

TIHART ROAD- STA 85+50 TO STA 89+16 (P.O.E.)



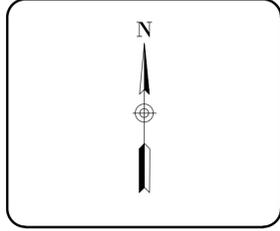
TIHART ROAD PROFILE- STA 85+50 TO STA 89+16 (P.O.E.)

VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 30'
 **GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

QUANTITIES - THIS SHEET		
Item	Quantity	Unit
Ditch Cleanout	1	Sta
Machine Grading	2	Sta
Asphalt Stabilized Base, Pre-Processing	272	Syd
Asphalt Stabilized Base	231	Syd
Stabilization Asphalt, Engineered Emulsion	2	Ton
Shld, Cl III, 3 inch	222	Syd

SPALDING DeDECKER
 Engineers | Planners | Surveyors
 Excellence Since 1954
 313 N. Capitol Ave, Suite 100
 Lansing, MI 48933
 Phone (517) 679-4400
 Headquarters
 Rochester Hills
 Branch Offices
 Detroit | Grand Rapids | Novi | Lansing | Flint

 www.sda-eng.com
 (800) 598-1600



Know what's below. Call before you dig.

 PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE

 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.

 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

 PAVING AND REMOVALS
 - TIHART RD - 11

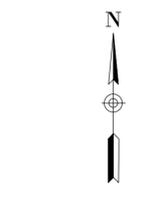
SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

ROLE	NAME	DATE
DRAFTER	N. STEVENS	05-23-24
DESIGNER	N. STEVENS	05-23-24
CHECKED BY	A. TEMPLE	12-10-24
PROJECT MANAGER	D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	J. SCHROT	12-10-24

JOB NO: MD24001
 DRAWING NO: MD24001CON
 SCALE: 1" = 60'
 SHEET NO: 19 OF 37



811
 Know what's below.
 Call before you dig.
 PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.
UTILITY NOTE
 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS
 - NEWMAN RD - 1

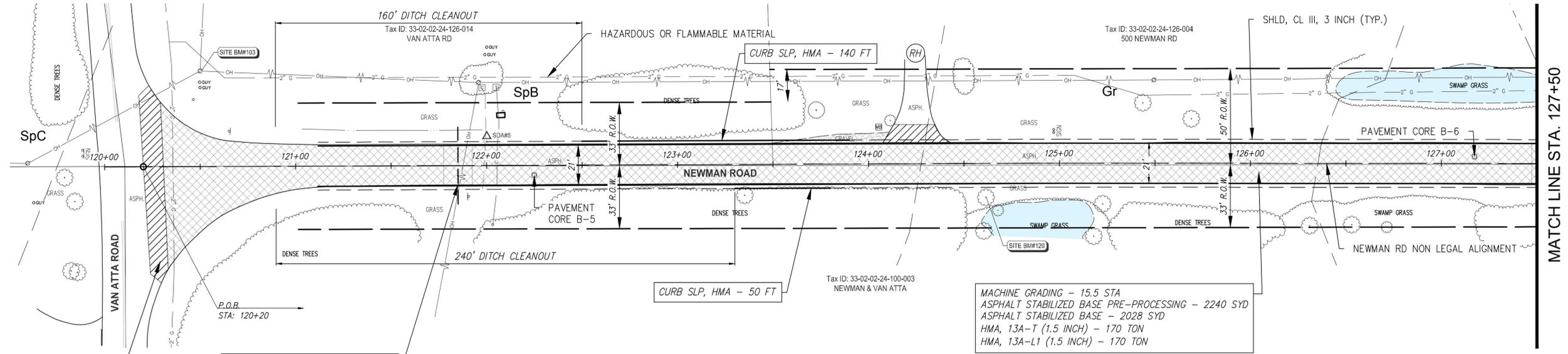
SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

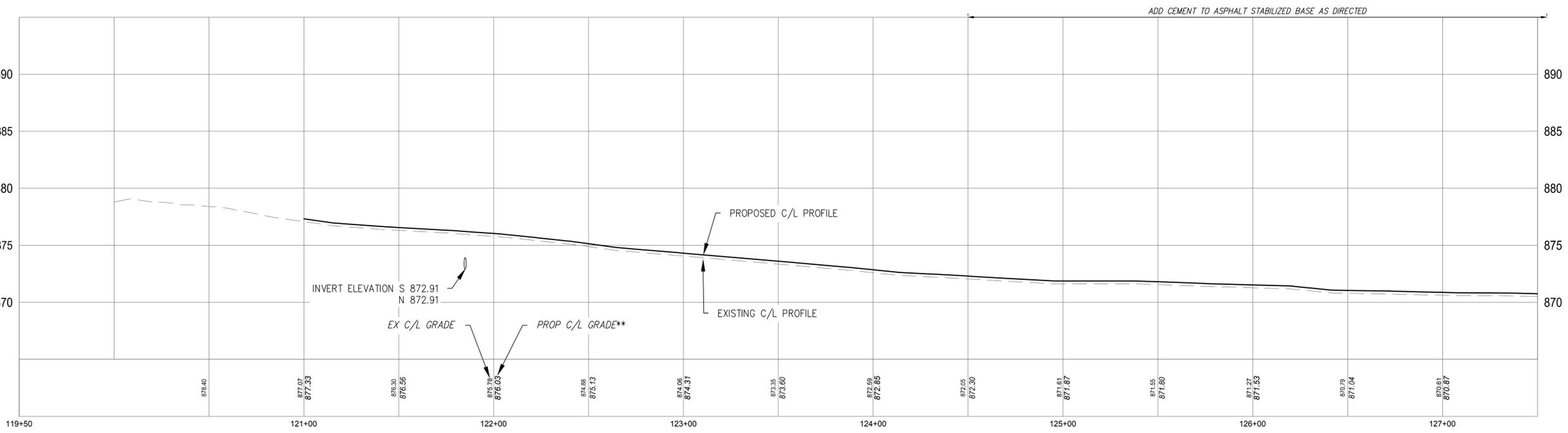
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DATE	DATE
05-23-24	05-23-24
05-23-24	05-23-24
12-10-24	12-10-24
12-26-24	12-26-24
12-10-24	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001CON-2
SCALE:	SHEET NO.
1" = 60'	20 OF 37



NEWMAN ROAD- STA 120+20 TO STA 127+50



NEWMAN ROAD PROFILE- STA 120+20 TO STA 127+50

VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 30'
 **GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

DRIVEWAY TABLE													
Symbol	ID No.	Sta	RT/LT	Length (Ft)	HMA Surface, Rem (Syd)	Pavt for Butt Joints, Rem (Syd)	Pavt, Rem (Syd)	HMA Approach (Ton)	Driveway, Nonreinf Conc, _ inch (Syd)	Approach, Class III, _ inch (Syd)	Culv, End, Rem, Less than 24 inch (Ea)	Culv, Rem (Ea)	Culv, Cl F, _ inch (Ft)
RH	HA-1	124+25	LT	10		29		3	6 inch	7 inch	4 inch	6 inch	

TREE REMOVAL LEGEND	
R1	Tree, Rem, 19 inch to 36 inch
R2	Tree, Rem, 37 inch or Larger
R3	Tree, Rem, 6 inch to 18 inch
R4	Stump, Rem, 19 inch to 36 inch

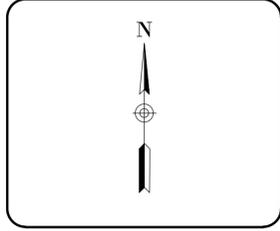
QUANTITIES - THIS SHEET		
Item	Quantity	Unit
Ditch Cleanout	4	Sta
Machine Grading	15.5	Sta
Asphalt Stabilized Base, Pre-Processing	2240	Syd
Asphalt Stabilized Base	2028	Syd
Stabilization Asphalt, Engineered Emulsion	14	Ton
Shld, Cl III, 3 inch	344	Syd
Culv, Cl A, CSP, 12 inch	40	Ft
HMA Surface, Rem	36	Syd
Pavt for Butt Joints, Rem	111	Syd
HMA, 13A	340	Ton
Curb Slp, HMA	190	Ft
Slope Restoration, Type II	1723	Syd

Plotted: Dec 27, 2024, 2:9 PM by user: 1151 - Saved: 12/26/2024 by user: 1151
 J:\MD\MD24001 - 2025 Meridian Local Road Program\JWG\MD24001CON-2.dwg

SPALDING DeDECKER
 Engineers | Planners | Surveyors
 Excellence Since 1954
 313 N. Capitol Ave, Suite 100
 Lansing, MI 48933
 Phone (517) 679-4400
 Headquarters
 Rochester Hills
 Branch Offices
 Detroit | Grand Rapids | Novi | Lansing | Flint



www.sda-eng.com
 (800) 598-1600



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

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE
UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN ON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS
 - NEWMAN RD - 2

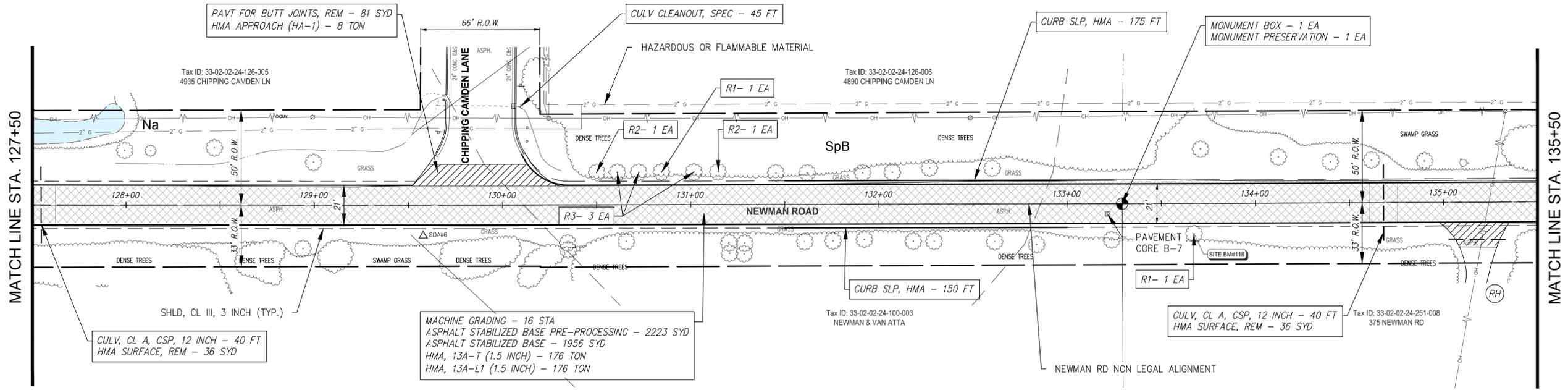
SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

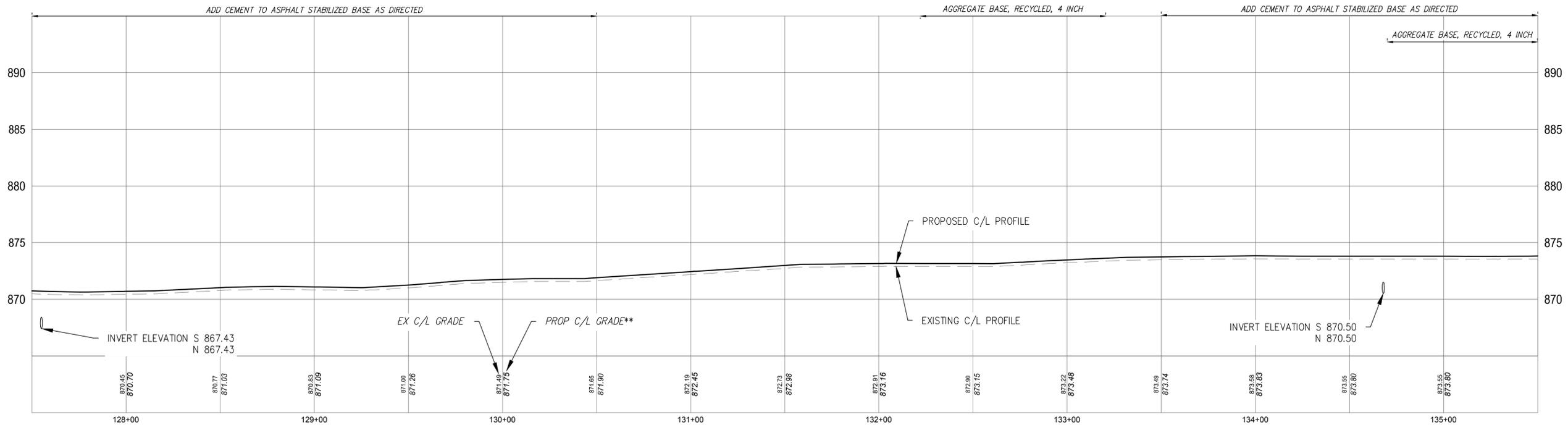
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001CON-2
SCALE:	SHEET NO.
1" = 60'	21 OF 37



NEWMAN ROAD- STA 127+50 TO STA 135+50



NEWMAN ROAD PROFILE- STA 127+50 TO STA 135+50

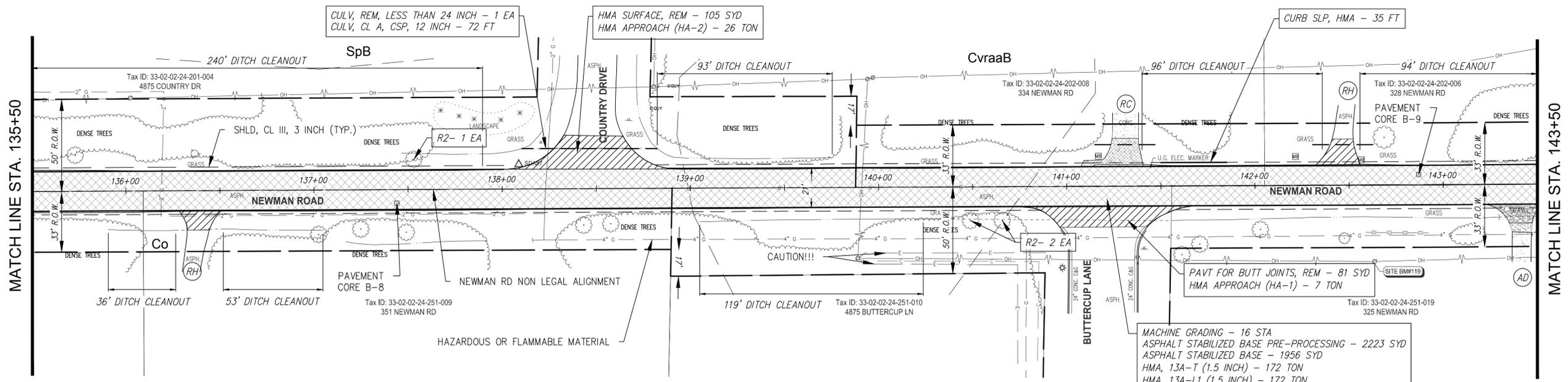
VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 30'
 **GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

DRIVEWAY TABLE														
Symbol	ID No.	Sta	RT/LT	Length (Ft)	HMA Surface, Rem (Syd)	Pavt for Butt Joints, Rem (Syd)	Pavt, Rem (Syd)	HMA Approach (Ton)	Driveway, Nonreinf Conc, _ inch (Syd)	Approach, Class III, _ inch (Syd)	Culv, End, Rem, Less than 24 inch (Ea)	Culv, Rem (Ea)	Culv, Cl F, _ inch (Ft)	
RH	HA-2	135+19	RT	13	39			11	6 inch	7 inch	4 inch	6 inch	1	38

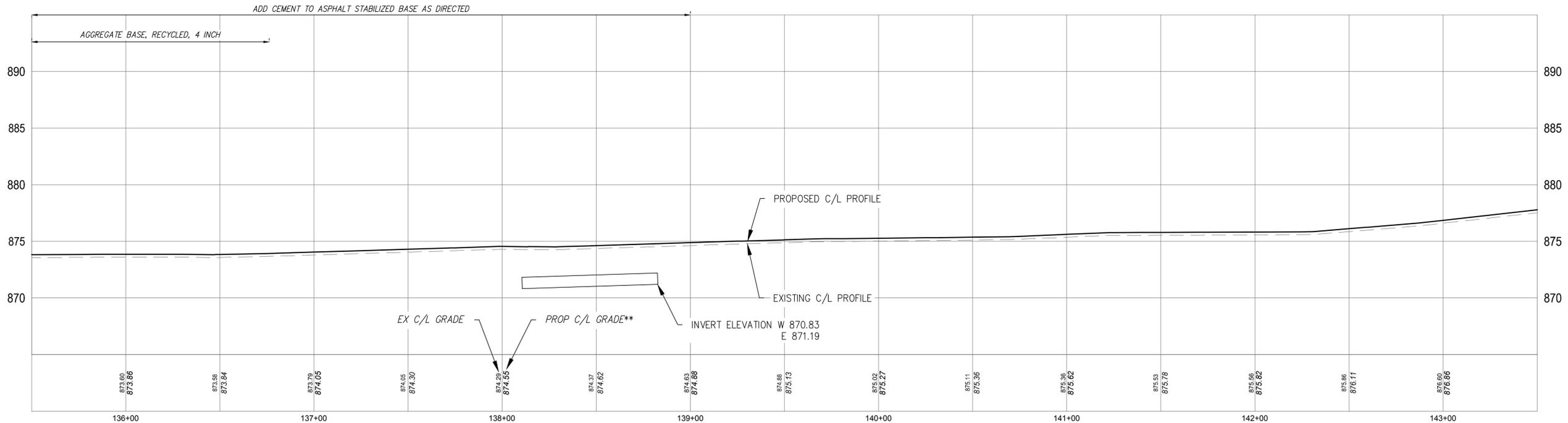
TREE REMOVAL LEGEND	
R1	Tree, Rem, 19 inch to 36 inch
R2	Tree, Rem, 37 inch or Larger
R3	Tree, Rem, 6 inch to 18 inch
R4	Stump, Rem, 19 inch to 36 inch

QUANTITIES - THIS SHEET		
Item	Quantity	Unit
Tree, Rem, 19 inch to 36 inch	2	Ea
Tree, Rem, 37 inch or Larger	2	Ea
Tree, Rem, 6 inch to 18 inch	3	Ea
Machine Grading	16	Sta
_Asphalt Stabilized Base, Pre-Processing	2223	Syd
_Asphalt Stabilized Base	1956	Syd
_Stabilization Asphalt, Engineered Emulsion	14	Ton
Shld, Cl III, 3 inch	356	Syd
Culv, Cl A, CSP, 12 inch	80	Ft
_Culv, Cleanout, Spec	45	Ft
HMA Surface, Rem	111	Syd
Pavt for Butt Joints, Rem	81	Syd
HMA, 13A	352	Ton
HMA Approach	8	Ton
Curb Slp, HMA	1092	Ft
Slope Restoration, Type II	1778	Syd
Monument Box	1	Ea
Monument Preservation	1	Ea

P:\ctf\dec 27, 2024, 2:9 PM by user: 1151 - Saved: 12/26/2024 by user: 1151
 J:\MID\MD24001 - 2025 Meridian Local Program\JVG\MD24001CON-2.dwg



NEWMAN ROAD- STA 135+50 TO STA 143+50



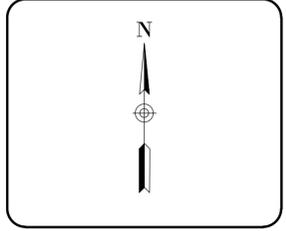
NEWMAN ROAD PROFILE- STA 135+50 TO STA 143+50

VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 30'
 **GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

Symbol	ID No.	Sta	RT/LT	Length (Ft)	HMA Surface, Rem (Syd)	Pavt for Butt Joints, Rem (Syd)	Pavt, Rem (Syd)	HMA Approach (Ton)	Driveway, Nonreinf Conc, _ inch (Syd)	Approach, Class III, _ inch (Syd)	Culv. End, Rem, Less than 24 inch (Ea)	Culv. Rem (Ea)	Culv. Cl F, _ inch (Ft)
RH	HA-1	136+39	RT	10		18		2	6 inch	7 inch	4 inch	6 inch	
RC	HA-1	141+30	LT	14			31					1	32
RH	HA-2	142+45	LT	8	24			7				1	32
AD		143+40	RT	10						21			

R1	Tree, Rem, 19 inch to 36 inch
R2	Tree, Rem, 37 inch or Larger
R3	Tree, Rem, 6 inch to 18 inch
R4	Stump, Rem, 19 inch to 36 inch

Item	Quantity	Unit
Tree, Rem, 37 inch or Larger	3	Ea
Culv. Rem, Less than 24 inch	3	Ea
Ditch Cleanout	8	Sta
Machine Grading	16	Sta
Asphalt Stabilized Base, Pre-Processing	2223	Syd
Asphalt Stabilized Base	1956	Syd
Stabilization Asphalt, Engineered Emulsion	14	Ton
Shld, Cl III, 3 inch	356	Syd
Culv. Cl A, CSP, 12 inch	72	Ft
HMA Surface, Rem	105	Syd
Pavt for Butt Joints, Rem	81	Syd
HMA, 13A	344	Ton
HMA Approach	33	Ton
Slope Restoration, Type II	1778	Syd



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

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE
 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

PAVING AND REMOVALS - NEWMAN RD - 3		
SECTION 14, 15, 21, 22, 24, 27, 28		
TOWN 4 NORTH RANGE 1 WEST		
CITY/TOWNSHIP MERIDIAN TOWNSHIP		
COUNTY INGHAM		

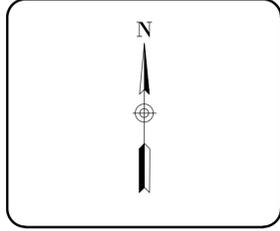
NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24
JOB NO.	DRAWING NO.
MD24001	MD24001CON-2
SCALE:	SHEET NO.
1" = 60'	22 OF 37

SPALDING DeDECKER
 Engineers | Planners | Surveyors
 Excellence Since 1954
 313 N. Capitol Ave, Suite 100
 Lansing, MI 48933
 Phone (517) 679-4400
 Headquarters
 Rochester Hills
 Branch Offices
 Detroit | Grand Rapids | Novi | Lansing | Flint



www.sda-eng.com
 (800) 598-1600



MERIDIAN TOWNSHIP
 EST. 1842
 A PRIME COMMUNITY

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

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE
 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS
 - NEWMAN RD - 4

SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24

DESIGNER	DATE
N. STEVENS	05-23-24

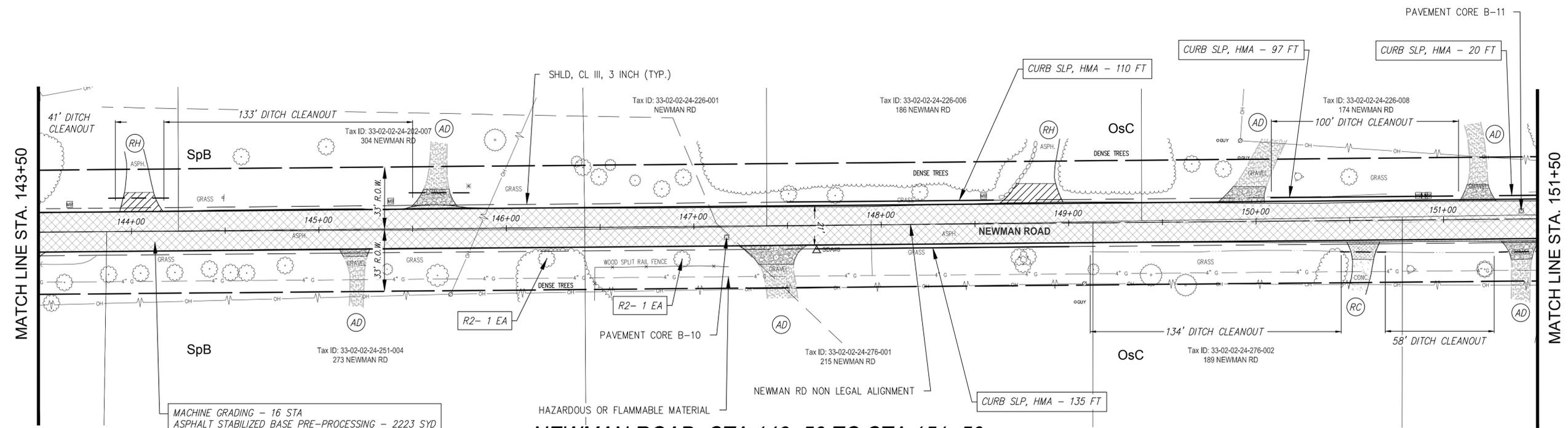
CHECKED BY	DATE
A. TEMPLE	12-10-24

PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24

DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

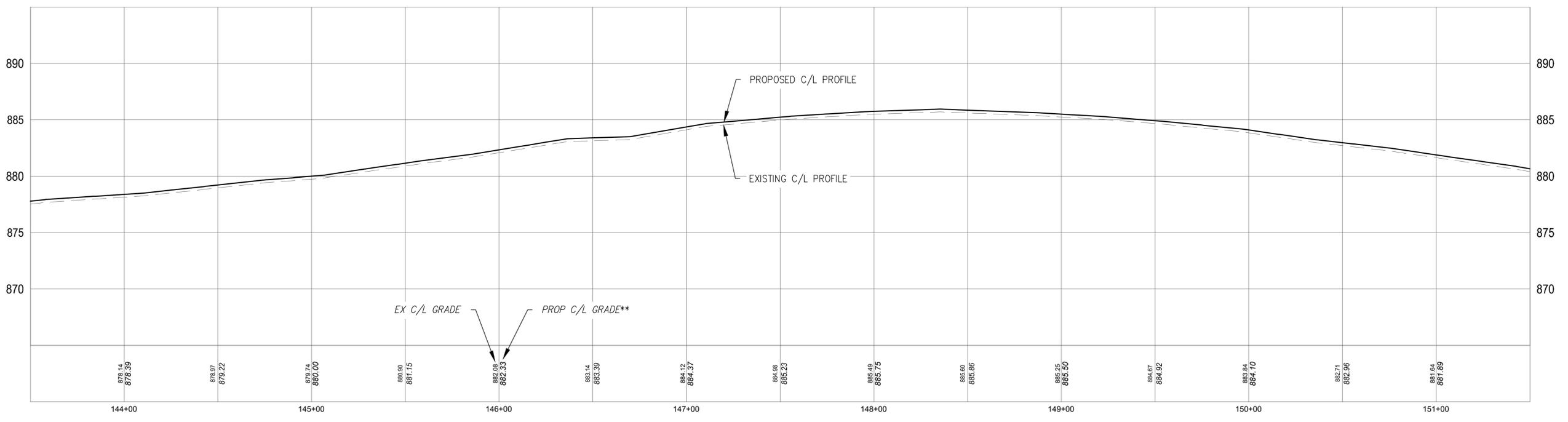
JOB NO.	DRAWING NO.
MD24001	MD24001CON-2

SCALE:	SHEET NO.
1" = 60'	23 OF 37



MACHINE GRADING - 16 STA
 ASPHALT STABILIZED BASE PRE-PROCESSING - 2223 SYD
 ASPHALT STABILIZED BASE - 1956 SYD
 HMA, 13A-T (1.5 INCH) - 170 TON
 HMA, 13A-L1 (1.5 INCH) - 170 TON

NEWMAN ROAD- STA 143+50 TO STA 151+50



NEWMAN ROAD PROFILE- STA 143+50 TO STA 151+50

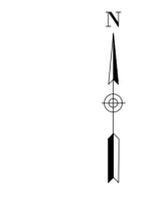
VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 30'
 **GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

Symbol	ID No.	Sta	RT/LT	Length (Ft)	HMA Surface, Rem (Syd)	Pavt for Butt Joints, Rem (Syd)	Pavt, Rem (Syd)	HMA Approach (Ton)	Driveway, Nonreinf Conc., _ inch (Syd)	Approach, Class III, _ inch (Syd)	Culv. End, Rem, Less than 24 inch (Ea)	Culv. Rem (Ea)	Culv. Cl F, _ inch (Ft)
RH	HA-2	144+05	LT	10	21			6	6 inch	6 inch		1	32
AD		145+19	RT	4						7			
AD		145+61	LT	10						22		1	32
AD		147+42	RT	10						29			
RH	HA-1	148+80	LT	10		30		9					
AD		149+91	LT	9						21			
RC		150+57	RT	9			15		15			1	24
AD		151+19	LT	9						15			
AD		151+41	RT	10						16		1	24

R1	Tree, Rem, 19 inch to 36 inch
R2	Tree, Rem, 37 inch or Larger
R3	Tree, Rem, 6 inch to 18 inch
R4	Stump, Rem, 19 inch to 36 inch

Item	Quantity	Unit
Tree, Rem, 37 inch or Larger	2	Ea
Ditch Cleanout	5	Sta
Machine Grading	16	Sta
_Asphalt Stabilized Base, Pre-Processing	2223	Syd
_Asphalt Stabilized Base	1956	Syd
_Stabilization Asphalt, Engineered Emulsion	14	Ton
Shld, Cl III, 3 inch	356	Syd
Pavt for Butt Joints, Rem	51	Syd
HMA, 13A	340	Ton
Curb Slp, HMA	937	Ft
_Slope Restoration, Type II	1778	Syd

P:\ctf\dec 27, 2024, 2:10 PM by user: 1151 - Saved: 12/26/2024 by user: 1151
 J:\M\MD24001 - 2025 Meridian Local Program\J\G\MDE4001CON-2.dwg



Know what's below. Call before you dig.

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE

UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.

COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS
 - NEWMAN RD - 5

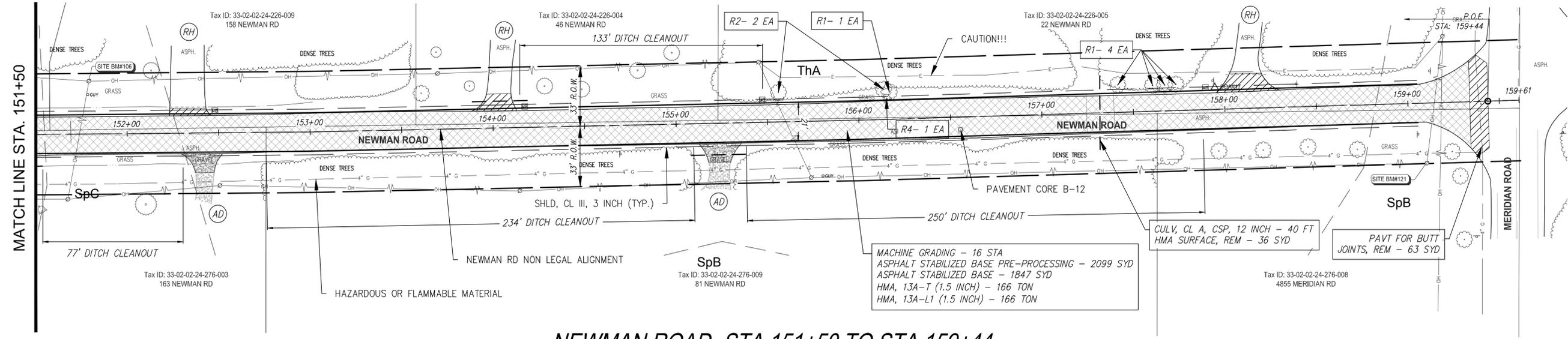
SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

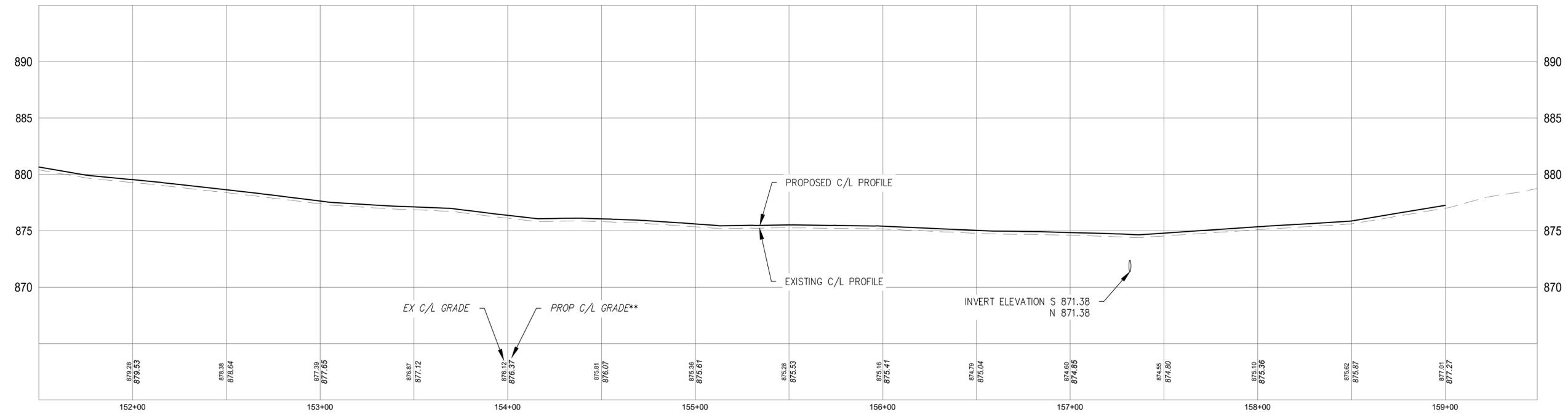
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001CON-2
SCALE:	SHEET NO.
1" = 60'	24 OF 37



NEWMAN ROAD- STA 151+50 TO STA 159+44



NEWMAN ROAD PROFILE- STA 151+50 TO STA 159+44

VERTICAL SCALE: 1" = 5'
 HORIZONTAL SCALE: 1" = 30'
 **GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

Symbol	ID No.	Sta	RT/LT	Length (Ft)	HMA Surface, Rem (Syd)	Pavt for Butt Joints, Rem (Syd)	Pavt, Rem (Syd)	HMA Approach		Approach, Class III, _ inch (Syd)		Culv, End, Rem, Less than 24 inch (Ea)	Culv, Rem (Ea)	Culv, Cl F, _ inch (Ft)
								6 inch	7 inch	4 inch	6 inch			
RH	HA-1	152+34	LT	4		10		3						
AD		152+42	RT	10						16				
RH	HA-2	154+03	LT	9	18			5				1	30	
AD		155+24	RT	10						19		1	30	
RH	HA-1	158+12	LT	10		27		8						

TREE REMOVAL LEGEND	
R1	Tree, Rem, 19 inch to 36 inch
R2	Tree, Rem, 37 inch or Larger
R3	Tree, Rem, 6 inch to 18 inch
R4	Stump, Rem, 19 inch to 36 inch

QUANTITIES - THIS SHEET		
Item	Quantity	Unit
Tree, Rem, 19 inch to 36 inch	5	Ea
Tree, Rem, 37 inch or Larger	2	Ea
Stump, Rem, 19 inch to 36 inch	1	Ea
Ditch Cleanout	7	Sta
Machine Grading	16	Sta
_Asphalt Stabilized Base, Pre-Processing	2099	Syd
_Asphalt Stabilized Base	1847	Syd
_Stabilization Asphalt, Engineered Emulsion	13	Ton
Shld, Cl III, 3 inch	356	Syd
Culv, Cl A, CSP, 12 inch	40	Ft
HMA Surface, Rem	36	Syd
Pavt for Butt Joints, Rem	63	Syd
HMA, 13A	332	Ton
_Slope Restoration, Type II	1778	Syd



www.sda-eng.com
 (800) 598-1600



UTILITY NOTE
 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS
 - TACOMA BLVD - 1

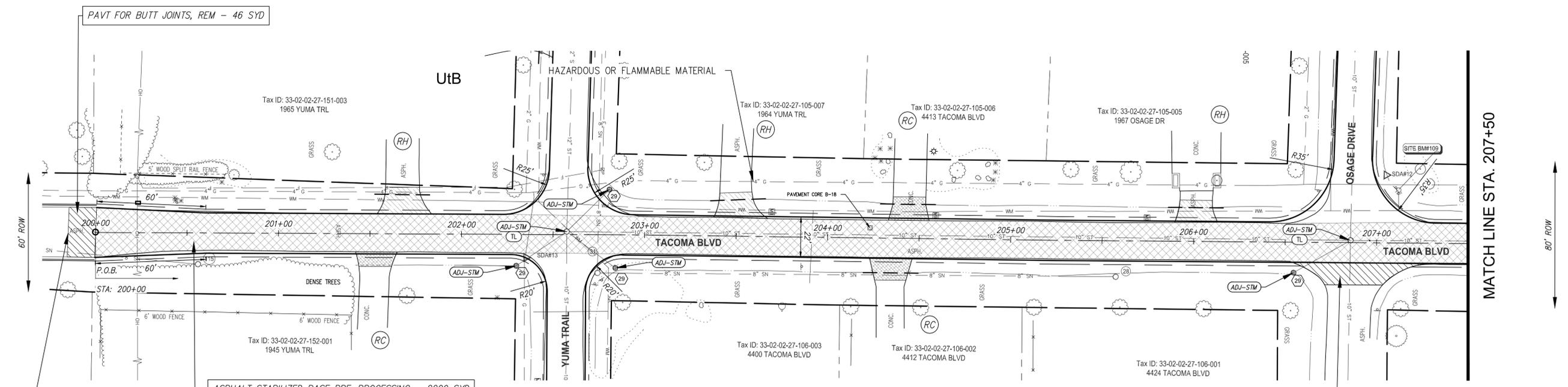
SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DATE	DATE
05-23-24	05-23-24
05-23-24	05-23-24
12-10-24	12-10-24
12-26-24	12-26-24
12-10-24	12-10-24

DRAFTER: N. STEVENS
 DESIGNER: N. STEVENS
 CHECKED BY: A. TEMPLE
 PROJECT MANAGER: D. TROIA
 DEPARTMENT MANAGER APPROVAL: J. SCHROT
 JOB NO.: MD24001
 DRAWING NO.: MD24001CON-3
 SCALE: 1" = 60'
 SHEET NO.: 25 OF 37



TACOMA BLVD- STA 200+00 TO STA 207+50

ASPHALT STABILIZED BASE PRE-PROCESSING - 2200 SYD
 ASPHALT STABILIZED BASE - 1904 SYD
 HMA, 36A (1.5 INCH) - 159 TON
 HMA, 13A (1.5 INCH) - 159 TON

ASPHALT STABILIZED BASE PRE-PROCESSING - 2312 SYD
 ASPHALT STABILIZED BASE - 2001 SYD
 HMA, 36A (1.5 INCH) - 176 TON
 HMA, 13A (1.5 INCH) - 176 TON

NOTE
 EXCAVATE EXISTING ROADSIDE DITCHES TO THE LIMITS AND DEPTH AS DIRECTED, PAID FOR AS "DITCH CLEANOUT".

SEE COORDINATION CLAUSE FOR TACOMA BLVD MILL AND FILL CONTRACT

SEE COORDINATION CLAUSE FOR NAVAHO TRAIL MILL AND FILL CONTRACT

HMA BASE CRUSHING AND SHAPING - 64 SYD
 HMA APPROACH (HA-2) - 18 TON

TACOMA BLVD- STA 207+50 TO STA 215+50

*GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

DRIVEWAY TABLE												
Symbol	ID No.	Sta	RT/LT	Length (Ft)	HMA Surface, Rem (Syd)	Pavt for Butt Joints, Rem (Syd)	HMA Approach (Ton)	Driveway, Nonreinf Conc., _ inch (Syd)	Approach, Class III, _ inch (Syd)	Culv. End, Rem, Less than 24 inch (Ea)	Culv. Rem (Ea)	Culv. Cl F., _ inch (Ft)
RC		201+52	RT	8		20		20	7 inch			
RH	HA-2	201+68	LT	15	40		11		4 inch		1	30
RH	HA-2	203+51	LT	14	36		10		6 inch		1	30
RC		204+33	RT	13		31		31	4 inch		1	30
RC		204+45	LT	13		31		31	6 inch		1	30
RH	HA-2	206+01	LT	12	29		8		4 inch		1	30
RC		208+29	LT	3		8		8				
RH	HA-2	209+17	RT	12	30		9		4 inch		1	30
RH	HA-2	209+61	LT	12	27		8		6 inch		1	30
RC		210+30	RT	3		7		7				
RH	HA-1	211+91	RT	10		22		6				
RC		213+01	LT	4		10		10				
RH	HA-1	213+43	RT	10		17		5				
RC		214+70	LT	14		30		30			1	24

QUANTITIES - THIS SHEET		
Item	Quantity	Unit
Machine Grading	31	Sta
Erosion Control, Inlet Protection, Fabric Drop	7	Ea
HMA Base Crushing and Shaping	127	Syd
Asphalt Stabilized Base, Pre-Processing	4512	Syd
Asphalt Stabilized Base	3905	Syd
Stabilization Asphalt, Engineered Emulsion	27	Ton
Shld, Cl III, 3 inch	689	Syd
Dr Structure Cover, Adj, Case 2	7	Ea
Dr Structure, Temp Lowering	4	Ea
Dr Structure Cover, Adj, Case 1, Modified	4	Ea
Pavt for Butt Joints, Rem	46	Syd
HMA, 13A	331	Ton
HMA, 36A	331	Ton
HMA Approach	36	Ton
Slope Restoration, Type VI	3445	Syd
Sanitary Structure Cover, Adj, Case 2	2	Ea
Sanitary Structure, Chimney Seal, External	30	Sft



www.sda-eng.com
 (800) 598-1600



UTILITY NOTE
 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

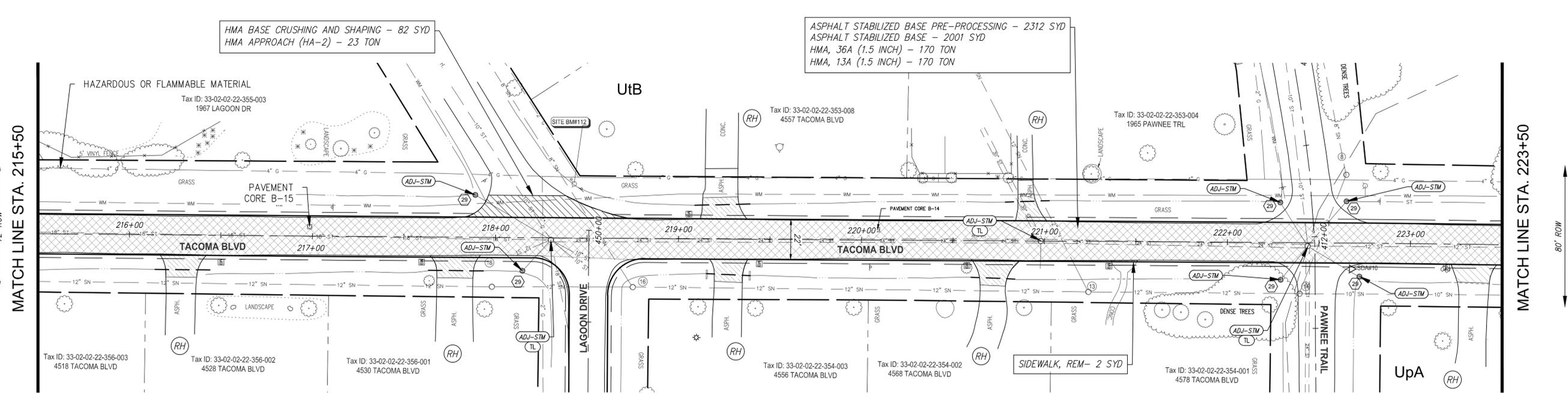
PAVING AND REMOVALS
 - TACOMA BLVD - 2

SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

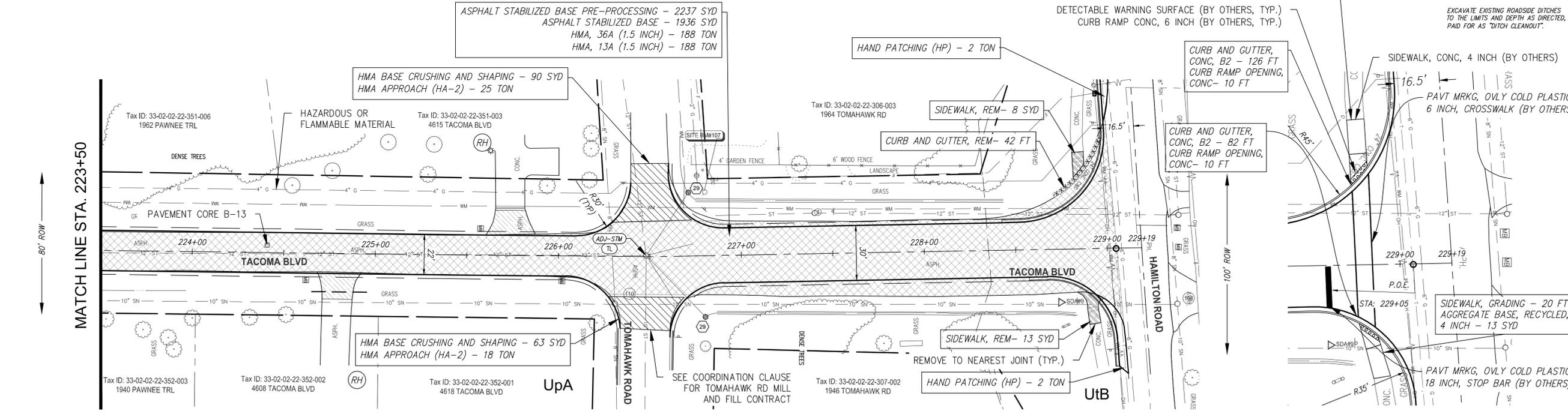
NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24
JOB NO.	DRAWING NO.
MD24001	MD24001CON-3
SCALE:	SHEET NO.
1" = 60'	26 OF 37



TACOMA BLVD- STA 215+50 TO STA 223+50



TACOMA BLVD- STA 223+50 TO STA 229+17

**GRADES ARE APPROXIMATE. ADJUST AS DIRECTED TO MATCH EXISTING CURB AND GUTTER TO REMAIN IN PLACE AND TO IMPROVE RIDE QUALITY

DRIVEWAY TABLE														
Symbol	ID No.	Sta	RT/LT	Length (Ft)	HMA Surface, Rem (Syd)	Pavt for Butt Joints, Rem (Syd)	Pavt, Rem (Syd)	HMA Approach (Ton)		Approach, Class III, _ inch (Syd)		Culv, End, Rem, Less than 24 inch (Ea)	Culv, Rem (Ea)	Culv, Cl F, _ inch (Ft)
								6 inch	7 inch	4 inch	6 inch			
RH	HA-2	216+28	RT	12	30			9					1	30
RH	HA-2	217+78	RT	12	33			9					1	30
RH	HA-2	219+24	LT	12	32			9					1	30
RH	HA-2	219+28	RT	12	26			8					1	24
RH	HA-2	220+72	RT	14	31			9			2		1	24
RH	HA-2	220+92	LT	15	21			6					1	24
RH	HA-1	223+36	RT	10		23		7					1	30
RH	HA-2	224+81	RT	15	34			10					1	30
RH	HA-2	225+73	LT	14	34			10					1	30

QUANTITIES - THIS SHEET		
Item	Quantity	Unit
Curb and Gutter, Rem	42	Ft
Sidewalk, Rem	23	Syd
Machine Grading	15.5	Sta
Sidewalk, Grading	42	Ft
Erosion Control, Inlet Protection, Fabric Drop	8	Ea
Aggregate Base, Recycled, 4 inch	27	Syd
HMA Base Crushing and Shaping	235	Syd
Asphalt Stabilized Base, Pre-Processing	3929	Syd
Asphalt Stabilized Base	3401	Syd
Stabilization Asphalt, Engineered Emulsion	24	Ton
Shld, Cl III, 3 inch	344	Syd
Dr Structure Cover, Adj, Case 2	6	Ea
Dr Structure, Temp Lowering	4	Ea
Dr Structure Cover, Adj, Case 1, Modified	4	Ea
Hand Patching	4	Ton
HMA, 13A	358	Ton
HMA, 36A	358	Ton
HMA Approach	66	Ton
Curb and Gutter, Conc, Det B2	208	Ft
Curb Ramp Opening, Conc	20	Ft
Slope Restoration, Type VI	1746	Syd

SIDEWALK DETAIL

SCALE: 1"=40'

QUANTITIES - TACOMA BLVD (BY OTHERS)		
Item	Quantity	Unit
Pavt Mrkg, Ovly Cold Plastic, 18 inch, Stop Bar	15	Ft
Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	102	Ft



A PRIME COMMUNITY



Know what's below.
Call before you dig.

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE

UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.

COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS
- LAGOON DR & ONEIDA DR

SECTION 14, 15, 21, 22, 24, 27, 28

TOWN 4 NORTH RANGE 1 WEST

CITY/TOWNSHIP MERIDIAN TOWNSHIP

COUNTY INGHAM

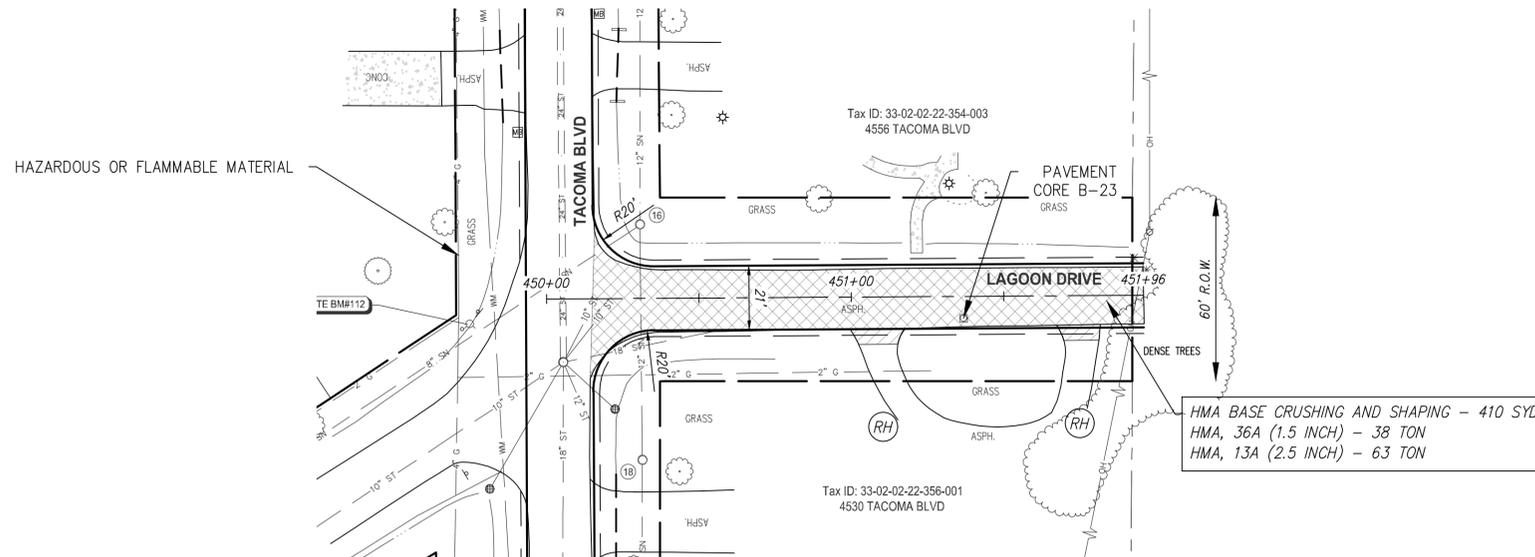
NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES

BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001CON-2
SCALE:	SHEET NO.
1" = 60'	27 OF 37

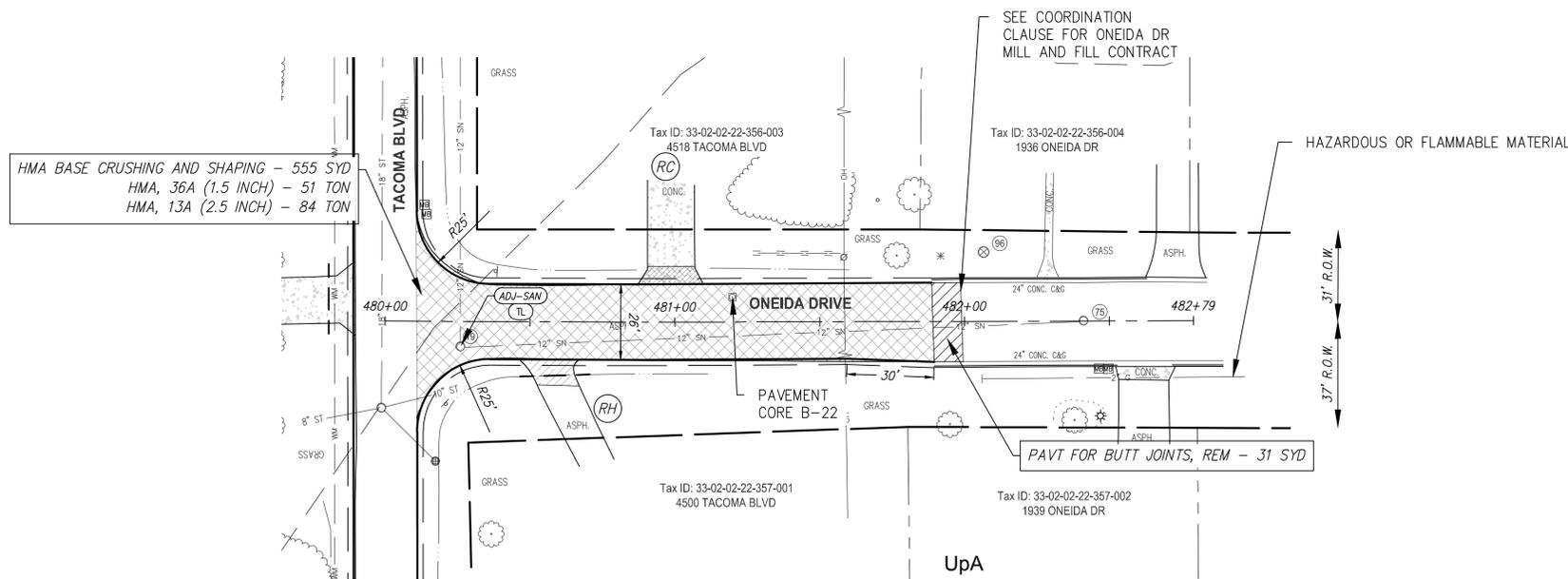


LAGOON DR- STA 450+00 TO STA 451+96

HMA BASE CRUSHING AND SHAPING - 410 SYD
HMA, 36A (1.5 INCH) - 38 TON
HMA, 13A (2.5 INCH) - 63 TON

NOTE

EXCAVATE EXISTING ROADSIDE DITCHES TO THE LIMITS AND DEPTH AS DIRECTED, PAID FOR AS "DITCH CLEANOUT".



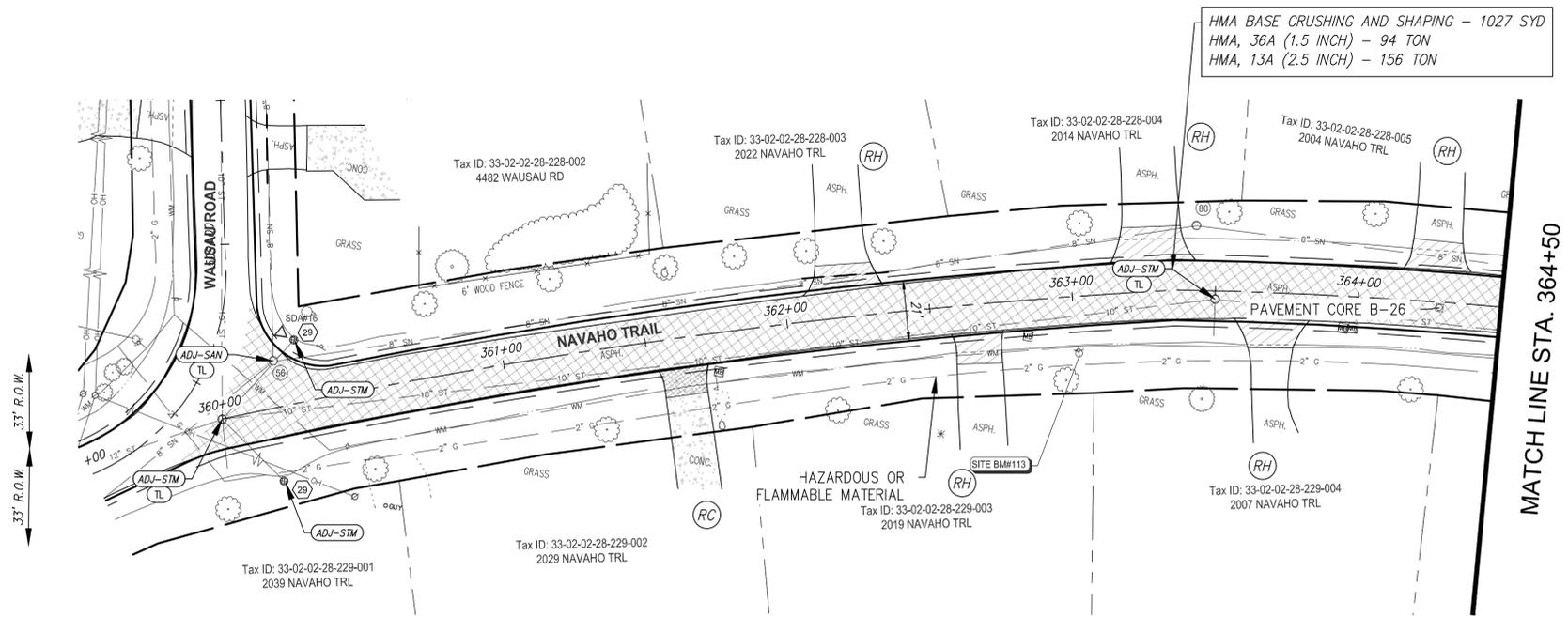
ONEIDA DR- STA 480+00 TO STA 481+89

HMA BASE CRUSHING AND SHAPING - 555 SYD
HMA, 36A (1.5 INCH) - 51 TON
HMA, 13A (2.5 INCH) - 84 TON

QUANTITIES - THIS SHEET		
Item	Quantity	Unit
Machine Grading	8	Sta
HMA Base Crushing and Shaping	965	Syd
Shld, CI III, 4 inch	178	Syd
Dr Structure, Temp Lowering	1	Ea
Pavt for Butt Joints, Rem	31	Syd
HMA, 13A	147	Ton
HMA, 36A	89	Ton
Slope Restoration, Type VI	889	Syd
Sanitary Structure, Chimney Seal, External	15	Sft
Sanitary Structure Cover, Adj, Case 1, Modified	1	Ea

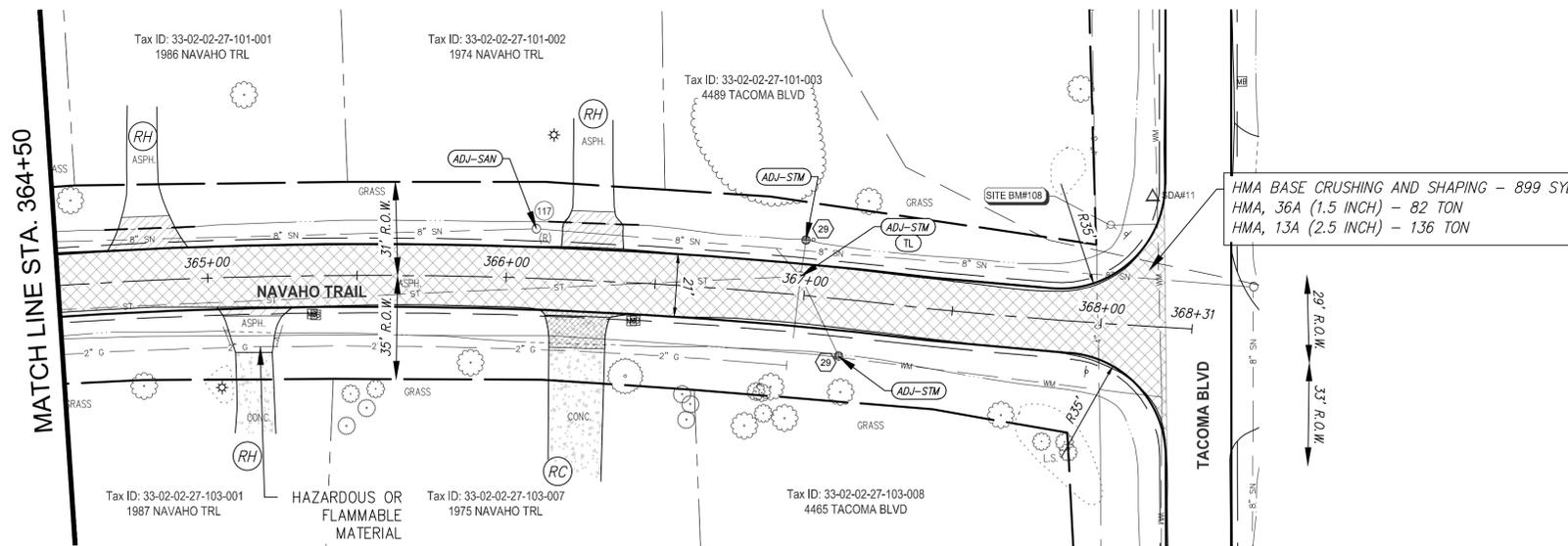
DRIVEWAY TABLE - LAGOON DRIVE															
Symbol	ID No.	Sta	RT/LT	Length (Ft)	HMA Surface, Rem (Syd)	Pavt for Butt Joints, Rem (Syd)	Pavt, Rem (Syd)	HMA Approach (Ton)	Driveway, Nonreinf Conc, _ inch (Syd)		Approach, Class III, _ inch (Syd)	Culv. End, Rem, Less than 24 inch (Ea)	Culv. Rem (Ea)	Culv. Cl F, _ inch (Ft)	
RH	HA-1	451+08	RT	5		9		3	6 inch	7 inch	4 inch	6 inch			
RH	HA-1	451+75	RT	5		8		3							

DRIVEWAY TABLE - ONEIDA DRIVE															
Symbol	ID No.	Sta	RT/LT	Length (Ft)	HMA Surface, Rem (Syd)	Pavt for Butt Joints, Rem (Syd)	Pavt, Rem (Syd)	HMA Approach (Ton)	Driveway, Nonreinf Conc, _ inch (Syd)		Approach, Class III, _ inch (Syd)	Culv. End, Rem, Less than 24 inch (Ea)	Culv. Rem (Ea)	Culv. Cl F, _ inch (Ft)	
RH	HA-2	480+57	RT	9				5	6 inch	7 inch	4 inch	6 inch		1	24
RC		480+99	LT	6			14								



NAVAHO TRAIL- STA 360+00 TO STA 364+50

NOTE
 EXCAVATE EXISTING ROADSIDE DITCHES TO THE LIMITS AND DEPTH AS DIRECTED, PAID FOR AS "DITCH CLEANOUT".

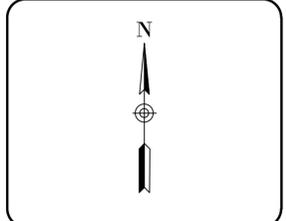


NAVAHO TRAIL- STA 364+50 TO STA 368+73

HMA BASE CRUSHING AND SHAPING - 899 SYD
 HMA, 36A (1.5 INCH) - 82 TON
 HMA, 13A (2.5 INCH) - 136 TON

DRIVEWAY TABLE															
Symbol	ID No.	Sta	RT/LT	Length (Ft)	HMA Surface, Rem (Syd)	Pavt for Butt Joints, Rem (Syd)	Pavt, Rem (Syd)	HMA Approach (Ton)	Driveway, Nonreinf Conc., _ inch (Syd)		Approach, Class III, _ inch (Syd)		Culv. End, Rem, Less than 24 inch (Ea)	Culv. Rem (Ea)	Culv. Cl F, _ inch (Ft)
									6 inch	7 inch	4 inch	6 inch			
RC		361+62	RT	10			19		19						
RH	HA-2	362+22	LT	9	26			8					1	30	
RH	HA-1	362+65	RT	11		20		6							
RH	HA-1	363+28	LT	12		33		9							
RH	HA-1	363+69	RT	10		23		7							
RH	HA-1	364+27	LT	10		22		6							
RH	HA-2	364+80	LT	11	28			8				1	30		
RH	HA-1	365+16	RT	3		8		3							
RC		366+25	RT	12			30		30						
RH	HA-2	366+28	LT	12	29			8				1	30		

QUANTITIES - THIS SHEET		
Item	Quantity	Unit
Machine Grading	17.5	Sta
Erosion Control, Inlet Protection, Fabric Drop	4	Ea
HMA Base Crushing and Shaping	1926	Syd
Shld, Cl III, 4 inch	389	Syd
Dr Structure Cover, Adj, Case 2	4	Ea
Dr Structure, Temp Lowering	3	Ea
Dr Structure Cover, Adj, Case 1, Modified	3	Ea
HMA, 13A	292	Ton
HMA, 36A	176	Ton
Slope Restoration, Type VI	1945	Syd
Sanitary Structure Cover, Adj, Case 2	1	Ea
Sanitary Structure, Chimney Seal, External	30	Sft
Sanitary Structure Cover, Adj, Case 1, Modified	1	Ea



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

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE
 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS - NAVAHO TRAIL

SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24

DESIGNER	DATE
N. STEVENS	05-23-24

CHECKED BY	DATE
A. TEMPLE	12-10-24

PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24

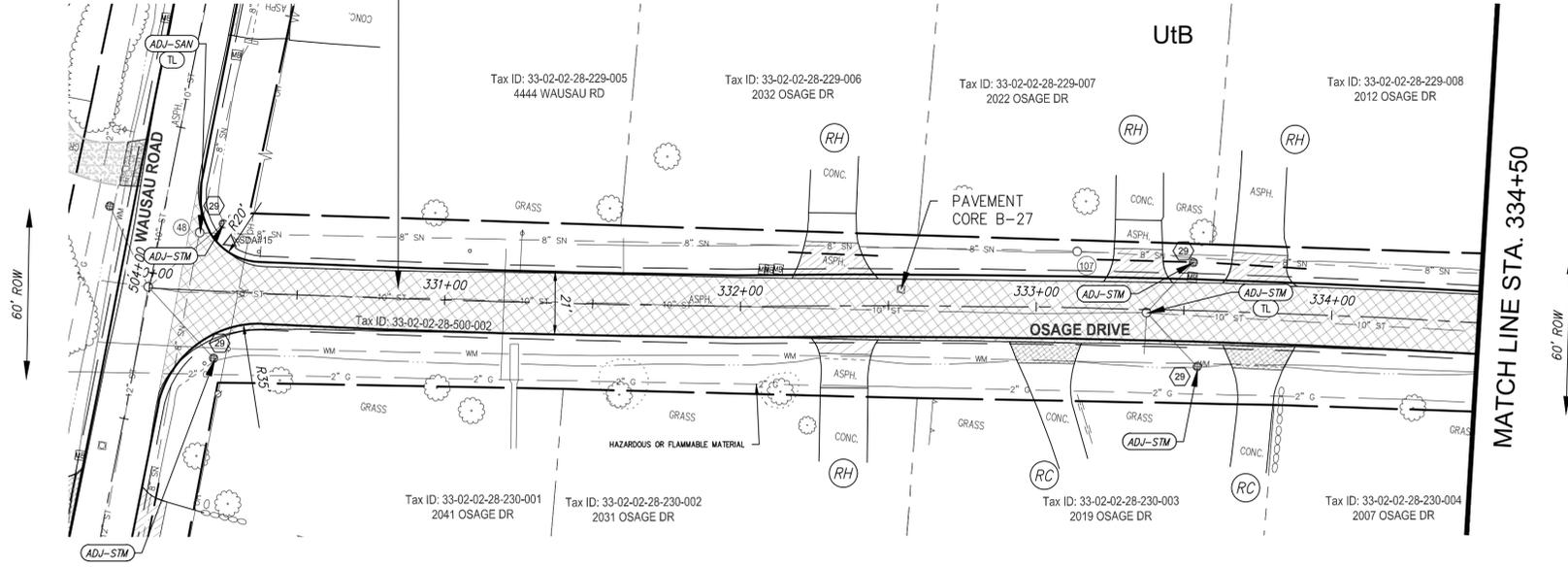
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001CON-2

SCALE: 1" = 60'
 SHEET NO. 28 OF 37

P:\ctf\dec_27_2024_213_PK_by_user:1151 - Saved: 12/27/2024 by user: 1151
 J:\M\MD24001 - 2025 Meridian Local Program\J\MD24001\CON-3.dwg

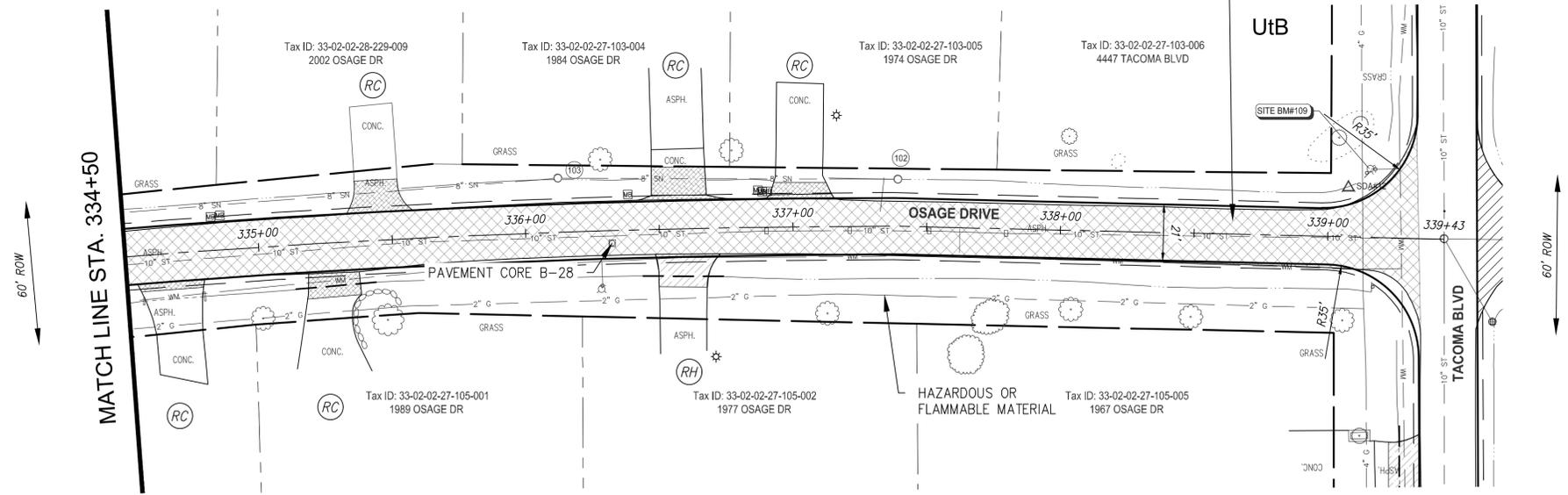
HMA BASE CRUSHING AND SHAPING - 1046 SYD
 HMA, 36A (1.5 INCH) - 95 TON
 HMA, 13A (2.5 INCH) - 159 TON



OSAGE DR- STA 330+00 TO STA 334+50

HMA BASE CRUSHING AND SHAPING - 1159 SYD
 HMA, 36A (1.5 INCH) - 106 TON
 HMA, 13A (2.5 INCH) - 176 TON

NOTE
 EXCAVATE EXISTING ROADSIDE DITCHES TO THE LIMITS AND DEPTH AS DIRECTED, PAID FOR AS "DITCH CLEANOUT".



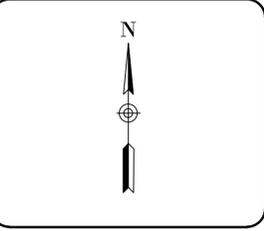
OSAGE DR- STA 334+50 TO STA 339+40

DRIVEWAY TABLE														
Symbol	ID No.	Sta	RT/LT	Length (Ft)	HMA Surface, Rem (Syd)	Pavt for Butt Joints, Rem (Syd)	Pavt, Rem (Syd)	HMA Approach (Ton)		Approach, Class III, inch (Syd)		Culv. End, Rem, Less than 24 inch (Ea)	Culv. Rem (Ea)	Culv. Cl F, inch (Ft)
								6 inch	7 inch	4 inch	6 inch			
RH	HA-2	332+33	LT	12	34			10					1	30
RH	HA-1	332+35	RT	5		11		3						
RC		333+07	RT	7			17							
RH	HA-2	333+34	LT	11	26			8					1	30
RH	HA-2	333+75	LT	11	26			8					1	30
RC		333+75	RT	8			18		18					
RC		334+67	RT	3			9		9					
RC		335+27	RT	9			22		22			1	30	
RC		335+45	LT	12			28		28					
RC		336+58	LT	12			31		31					
RH	HA-2	366+60	RT	12	30			9					1	30
RC		337+03	LT	6			16		16					

QUANTITIES - THIS SHEET		
Item	Quantity	Unit
Machine Grading	19	Sta
Erosion Control, Inlet Protection, Fabric Drop	4	Ea
HMA Base Crushing and Shaping	2205	Syd
Shld, Cl III, 4 inch	422	Syd
Dr Structure Cover, Adj, Case 2	4	Ea
Dr Structure, Temp Lowering	1	Ea
Dr Structure Cover, Adj, Case 1, Modified	1	Ea
HMA, 13A	335	Ton
HMA, 36A	201	Ton
Slope Restoration, Type VI	2112	Syd
Sanitary Structure, Chimney Seal, External	15	Sft
Sanitary Structure Cover, Adj, Case 1, Modified	1	Ea

SPALDING DeDECKER
 Engineers | Planners | Surveyors
 Excellence Since 1954
 313 N. Capitol Ave, Suite 100
 Lansing, MI 48933
 Phone (517) 679-4400
Headquarters
 Rochester Hills
Branch Offices
 Detroit | Grand Rapids | Novi | Lansing | Flint

 www.sda-eng.com
 (800) 598-1600




Know what's below. Call before you dig.
 PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.
UTILITY NOTE
 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING
 PAVING AND REMOVALS - OSAGE DR
 SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24

DESIGNER	DATE
N. STEVENS	05-23-24

CHECKED BY	DATE
A. TEMPLE	12-10-24

PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24

DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001CON-3

SCALE:	SHEET NO.
1" = 60'	29 OF 37



www.sda-eng.com
 (800) 598-1600



UTILITY NOTE
 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS - YUMA TRAIL

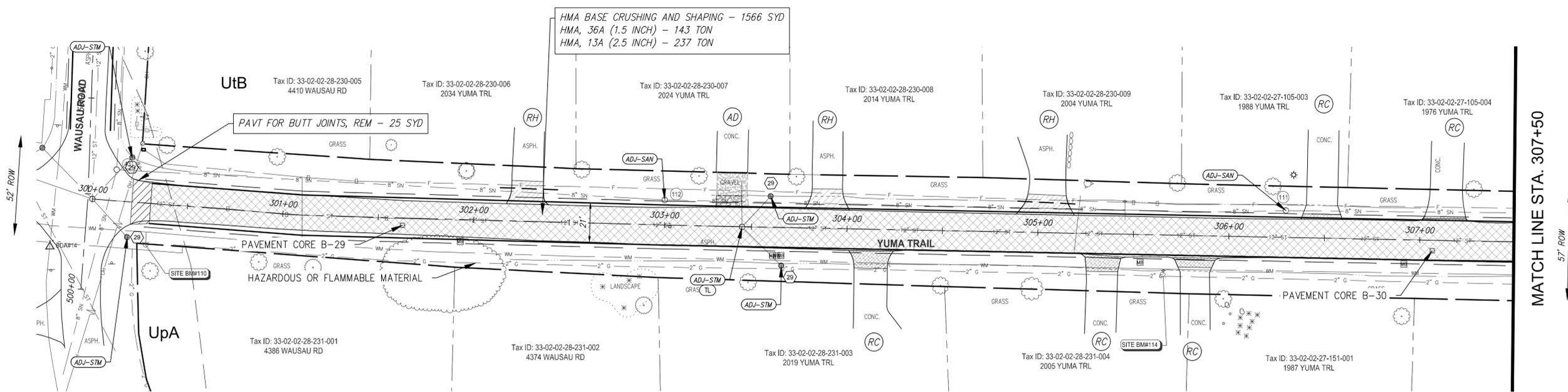
SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

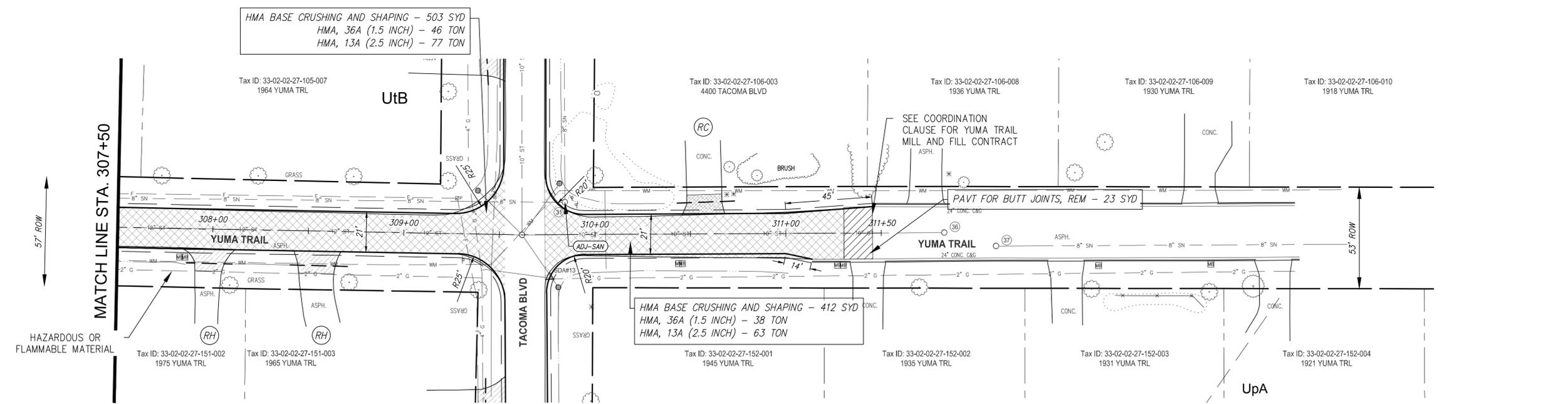
DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001CON-3
SCALE	SHEET NO.
1" = 60'	30 OF 37



YUMA TRAIL- STA 300+30 TO STA 307+50

NOTE
 EXCAVATE EXISTING ROADSIDE DITCHES TO THE LIMITS AND DEPTH AS DIRECTED, PAID FOR AS "DITCH CLEANOUT".



YUMA TRAIL- STA 307+50 TO STA 311+50

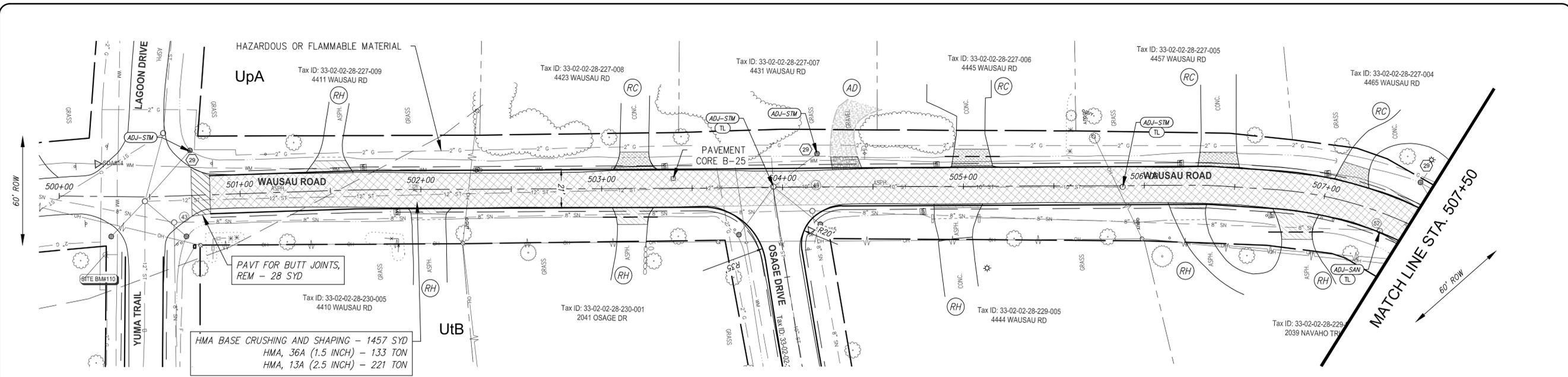
DRIVEWAY TABLE															
Symbol	ID No.	Sta	RT/LT	Length (Ft)	HMA Surface, Rem (Syd)	Pavt for Butt Joints, Rem (Syd)	Pavt, Rem (Syd)	HMA Approach (Ton)	Driveway, Nonreinf Conc, _ inch (Syd)		Approach, Class III, _ inch (Syd)	Culv. End, Rem, Less than 24 inch (Ea)	Culv. Rem (Ea)	Culv. Cl F, _ inch (Ft)	
RH	HA-2	302+28	LT	12	27			8	6 inch	7 inch	4 inch	6 inch		1	30
AD		303+39	LT	6							9				
RH	HA-1	303+89	LT	10		23		7							
RC		304+13	RT	10			22		22						
RH	HA-2	305+04	LT	10	31			9						1	30
RC		305+34	RT	9			19		19						
RC		305+82	RT	6			12		12						
RC		306+48	LT	3			7		7						
RC		307+12	LT	2			6		6						
RH	HA-2	307+98	RT	12	27			8						1	24
RH	HA-2	308+56	RT	12	30			9						1	30
RC		310+57	LT	11			25		25					1	30

QUANTITIES - THIS SHEET		
Item	Quantity	Unit
Machine Grading	22	Sta
Erosion Control, Inlet Protection, Fabric Drop	4	Ea
HMA Base Crushing and Shaping	2481	Syd
Shld, CI III, 4 inch	489	Syd
Dr Structure Cover, Adj, Case 2	4	Ea
Dr Structure, Temp Lowering	1	Ea
_Dr Structure Cover, Adj, Case 1, Modified	1	Ea
Pavt for Butt Joints, Rem	48	Syd
HMA, 13A	377	Ton
HMA, 36A	227	Ton
_Slope Restoration, Type VI	2445	Syd
Sanitary Structure Cover, Adj, Case 2	3	Ea
_Sanitary Structure, Chimney Seal, External	45	Sft

SPALDING DeDECKER
 Engineers | Planners | Surveyors
 Excellence Since 1954
 313 N. Capitol Ave, Suite 100
 Lansing, MI 48933
 Phone (517) 679-4400
 Headquarters
 Rochester Hills
 Branch Offices
 Detroit | Grand Rapids | Novi | Lansing | Flint

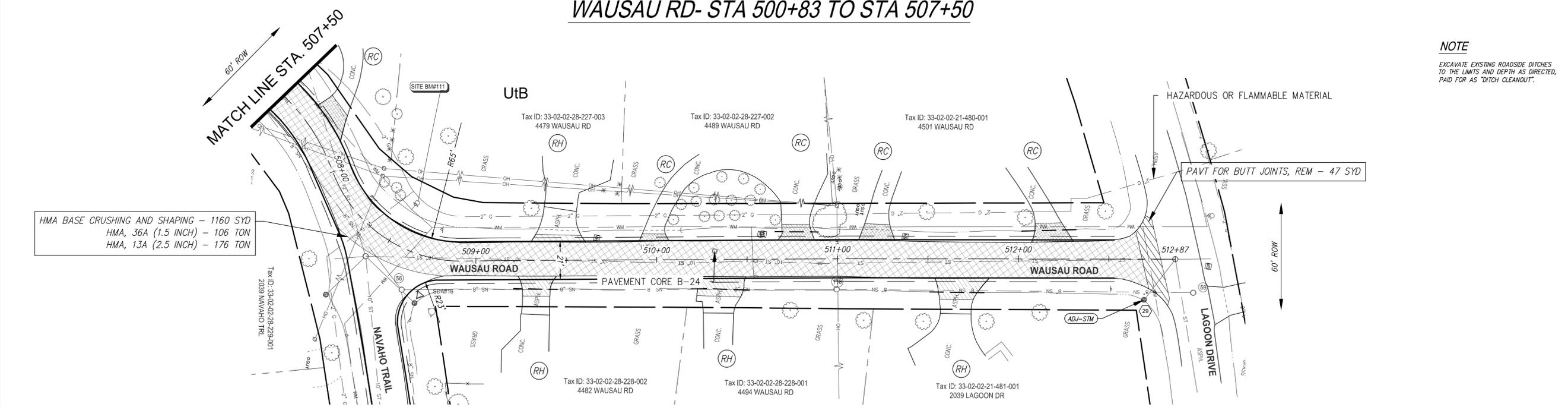


www.sda-eng.com
 (800) 598-1600



WAUSAU RD- STA 500+83 TO STA 507+50

NOTE
 EXCAVATE EXISTING ROADSIDE DITCHES TO THE LIMITS AND DEPTH AS DIRECTED, PAID FOR AS "DITCH CLEANOUT".



WAUSAU RD- STA 507+50 TO STA 512+75

DRIVEWAY TABLE															
Symbol	ID No.	Sta	RT/LT	Length (Ft)	HMA Surface, Rem (Syd)	Pavt for Butt Joints, Rem (Syd)	Pavt, Rem (Syd)	HMA Approach (Ton)	Driveway, Nonreinf Conc. _ inch (Syd)		Approach, Class III, _ inch (Syd)		Culv, End, Rem, Less than 24 inch (Ea)	Culv, Rem (Ea)	Culv, CI F. _ inch (Ft)
									6 inch	7 inch	4 inch	6 inch			
RH	HA-1	501+49	LT	6		17		5							
RH	HA-1	502+04	RT	3		9		3							
RH	HA-2	503+13	RT	9	22			6						1	30
RC		503+17	LT	10			24								
AD		504+35	LT	7						12					
RH	HA-1	504+96	RT	2		6		2							
RC		505+05	LT	10			27							1	30
RH	HA-1	506+25	RT	3		7		2							
RC		506+40	LT	8			22								
RH	HA-2	506+84	RT	15	38			11						1	30
RC		507+12	LT	10			21								
RC		507+76	LT	10			24								
RH	HA-2	509+31	RT	11	23			7						1	24
RH	HA-1	509+43	LT	4		13		4							
RC		509+96	LT	4			8								
RH	HA-2	510+34	RT	11	34			10						1	32
RC		510+76	LT	9			19							1	24
RC		511+19	LT	10			19								
RH	HA-2	511+66	RT	12	34			10						1	30
RC		512+15	LT	10			24							1	30

QUANTITIES - THIS SHEET		
Item	Quantity	Unit
Machine Grading	23	Sta
Erosion Control, Inlet Protection, Fabric Drop	4	Ea
HMA Base Crushing and Shaping	2617	Syd
Shld, CI III, 4 inch	511	Syd
Dr Structure Cover, Adj, Case 2	3	Ea
Dr Structure, Temp Lowering	4	Ea
Dr Structure Cover, Adj, Case 1, Modified	2	Ea
Pavt for Butt Joints, Rem	75	Syd
HMA, 13A	397	Ton
HMA, 36A	239	Ton
Slope Restoration, Type VI	2556	Syd
Sanitary Structure, Chimney Seal, External	15	Sft
Sanitary Structure Cover, Adj, Case 1, Modified	1	Ea

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVING AND REMOVALS - WAUSAU RD

SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24

DESIGNER	DATE
N. STEVENS	05-23-24

CHECKED BY	DATE
A. TEMPLE	12-10-24

PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24

DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001CON-3

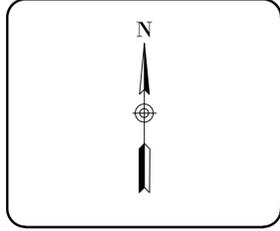
SCALE: 1" = 60'
 SHEET NO. 31 OF 37

Plotted: Dec 27, 2024, 2:13 PM by user: 1151 - Saved: 12/27/2024 by user: 1151
 J:\MVA\MD24001 - 2025 Meridian Local Program\MD24001CON-3.dwg

SPALDING DeDECKER
 Engineers | Planners | Surveyors
 Excellence Since 1954
 313 N. Capitol Ave, Suite 100
 Lansing, MI 48933
 Phone (517) 679-4400
 Headquarters
 Rochester Hills
 Branch Offices
 Detroit | Grand Rapids | Novi | Lansing | Flint



www.sda-eng.com
 (800) 598-1600



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

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE
UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVEMENT MARKINGS - TIHART RD

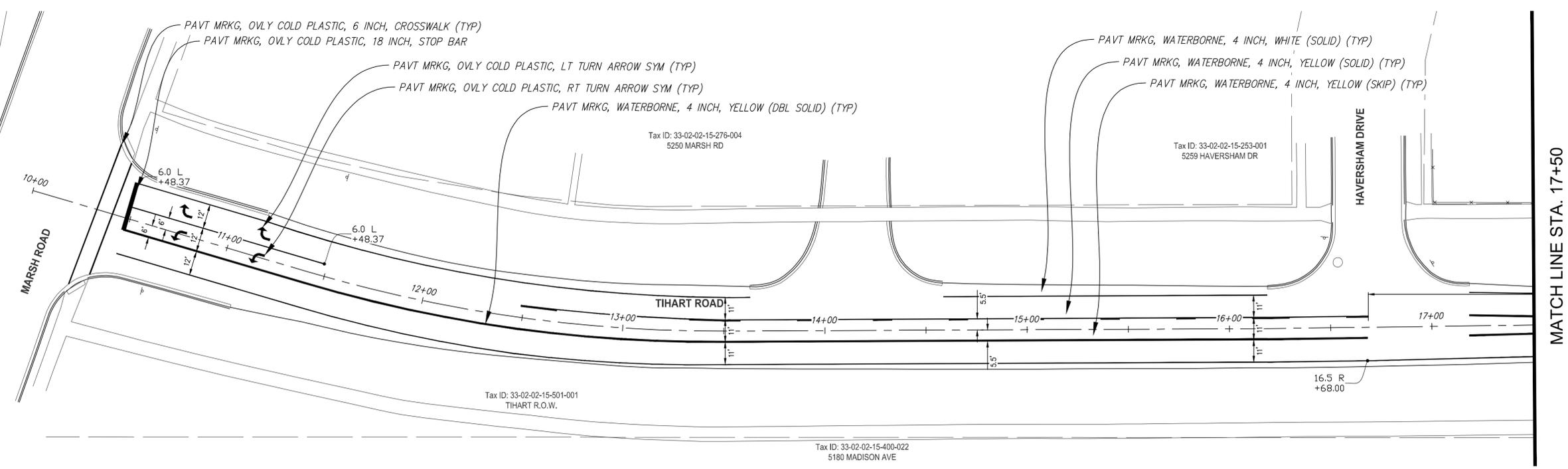
SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

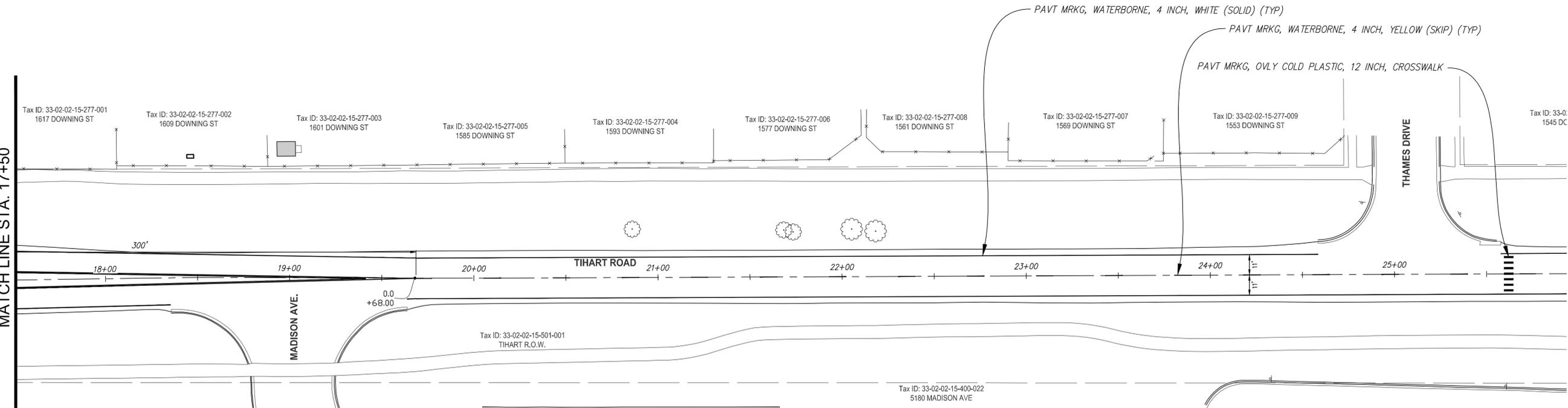
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001PMS
SCALE:	SHEET NO.
1" = 60'	32 OF 37



TIHART ROAD- STA 10+27 TO STA 17+50



TIHART ROAD- STA 17+50 TO STA 26+00

QUANTITIES - TIHART ROAD (BY OTHERS)		
Item	Quantity	Unit
Pavt Mrkg, Ovly Cold Plastic, 18 inch, Stop Bar	30	Ft
Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym	2	Ea
Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym	2	Ea
Pavt Mrkg, Waterborne, 4 inch, White	8592	Ft
Pavt Mrkg, Waterborne, 4 inch, Yellow	2610	Ft
Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	132	Ft
Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	35	Ft

GENERAL NOTES

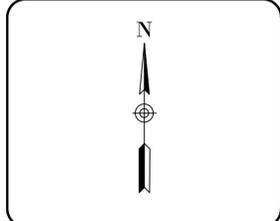
QUANTITIES SHOWN IN THE TABLE TIHART ROAD FROM MARSH ROAD TO CORNELL ROAD.
 PAVEMENT MARKINGS ON THIS SHEET ARE TO BE INSTALLED BY OTHERS AND ARE NOT PART OF THIS CONTRACT.

P:\cadd\Dec 30, 2024, 3:20 PM by user: 1151 - Saved: 12/30/2024, by user: 1105
 J:\MD\MD24001 - 2025 Meridian Local Road Program\J\MD24001_PMS.dwg

SPALDING DeDECKER
 Engineers | Planners | Surveyors
 Excellence Since 1954
 313 N. Capitol Ave, Suite 100
 Lansing, MI 48933
 Phone (517) 679-4400
Headquarters
 Rochester Hills
Branch Offices
 Detroit | Grand Rapids | Novi | Lansing | Flint



www.sda-eng.com
 (800) 598-1600



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

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE
 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

PAVEMENT MARKINGS -
 NEWMAN RD

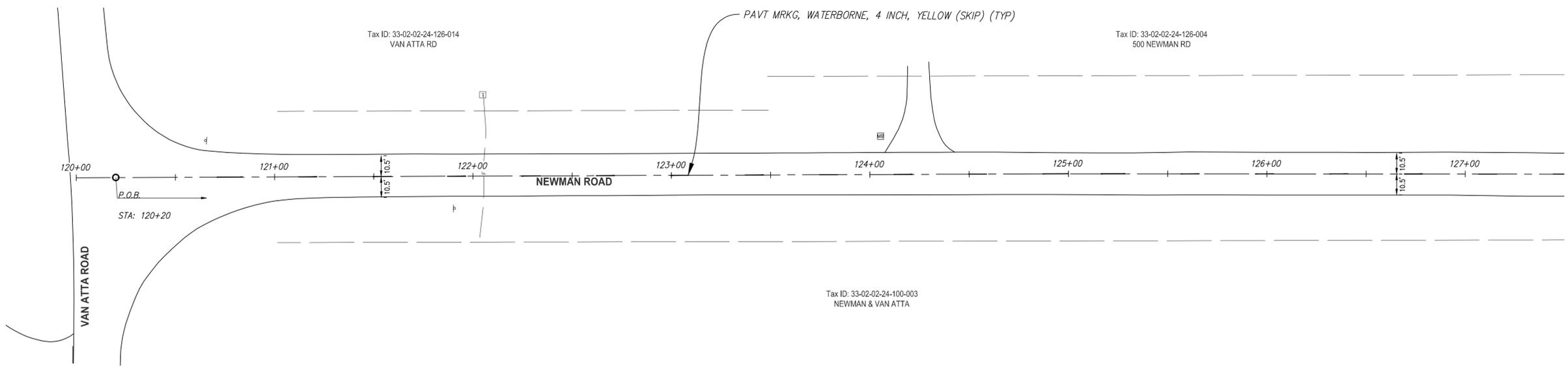
SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

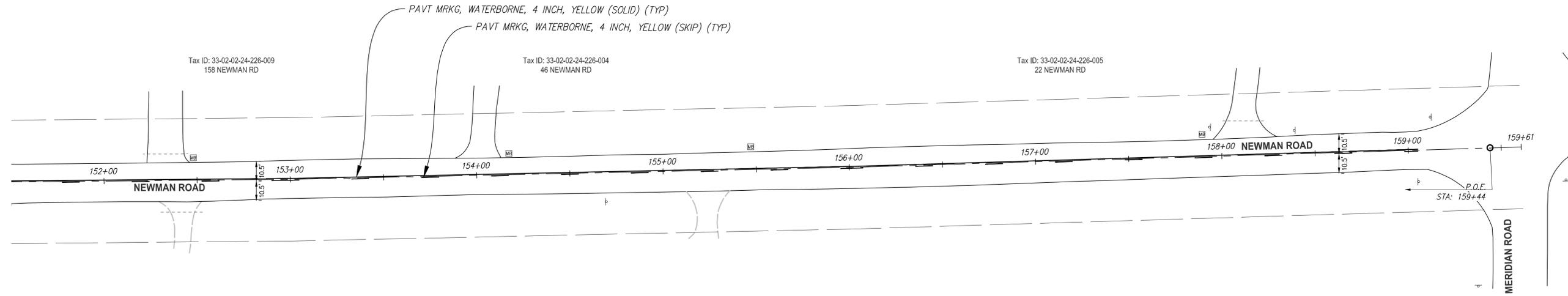
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001PMS
SCALE:	SHEET NO.
1" = 60'	33 OF 37



NEWMAN ROAD- STA 120+00 TO STA 127+50



NEWMAN ROAD- STA 151+50 TO STA 159+49

QUANTITIES - NEWMAN ROAD (BY OTHERS)

Item	Quantity	Unit
Pavt Mrkg, Waterborne, 4 inch, Yellow	1989	Ft

GENERAL NOTES

SKIP LINES FROM STA 120+20 TO STA 148+77
 SOLID / SKIP LINES FROM STA 148+77 TO STA 159+44
 PAVEMENT MARKINGS ON THIS SHEET ARE TO BE
 INSTALLED BY OTHERS AND ARE NOT PART OF THIS
 CONTRACT.

P:\cadd\Dec 27, 2024, 2:14 PM by user: 1151 - Saved: 12/26/2024 by user: 1151
 J:\M\MD24001 - 2025 Meridian Local Road Program\DWG\MD24001_PMS.dwg



UTILITY NOTE
 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

SIDEWALK DETAILS

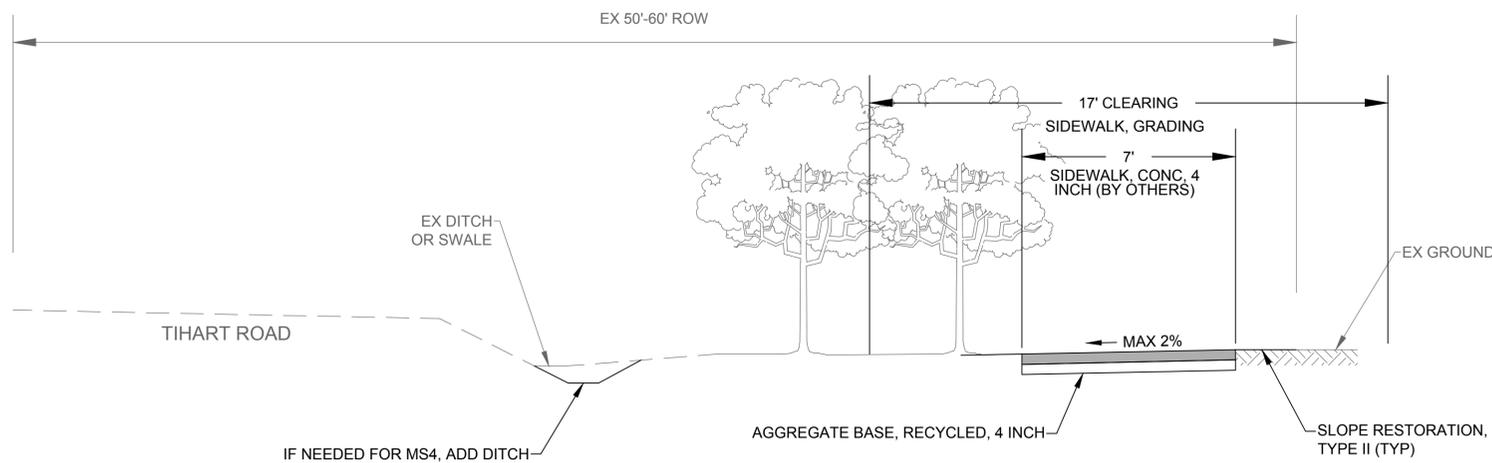
SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

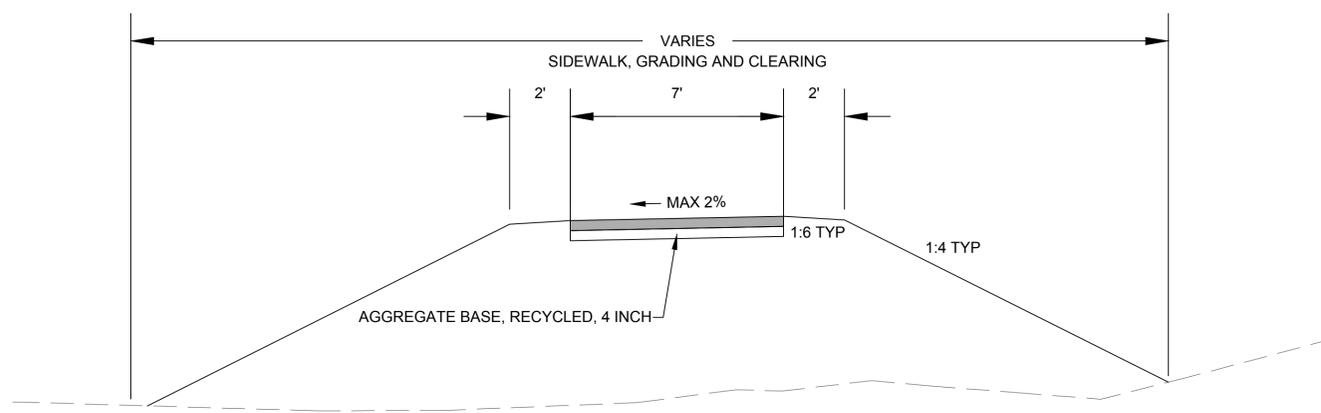
VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

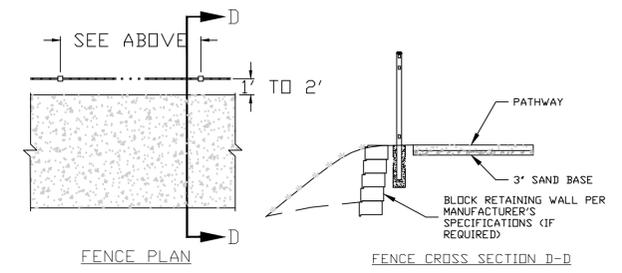
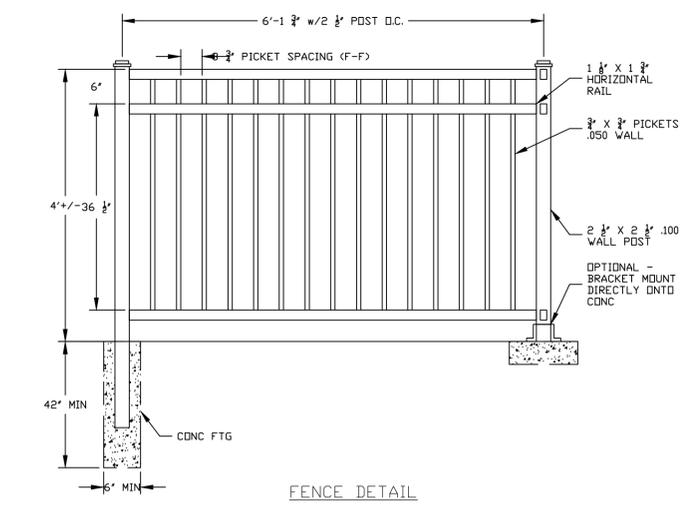
JOB NO.	DRAWING NO.
MD24001	MD24001DET
SCALE:	SHEET NO.
NTS	34 OF 37



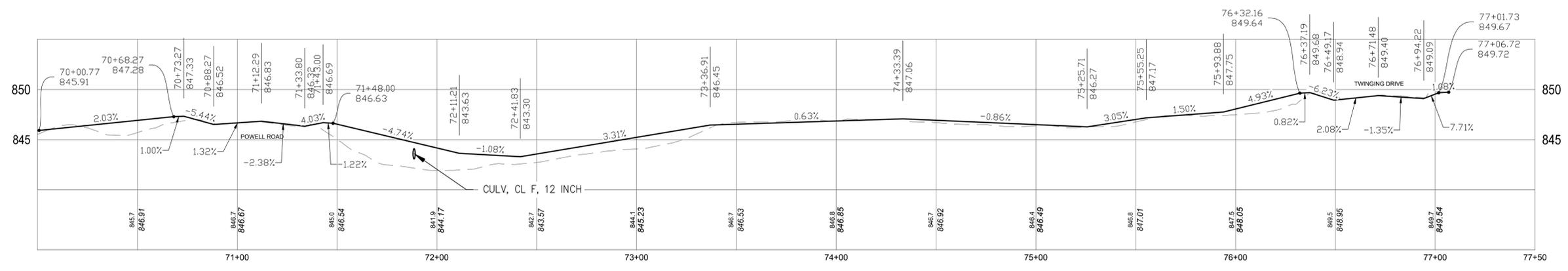
SIDEWALK TYPICAL CUT CROSS-SECTION
 N.T.S.



SIDEWALK TYPICAL FILL CROSS-SECTION
 N.T.S.



NOTE: FENCE POSTS CAN BE ANCHORED TO THE PATHWAY; THEN PATHWAY MUST BE WIDENED TO EIGHT FEET



SIDEWALK PROFILE - STA 29+10 TO STA 36+00

SCALE: 1"=20'

P:\cadd\Dec 27, 2024, 2:15 PM by user: 1151 - Saved: 12/20/2024 by user: 1151
 J:\MID\MID24001 - 2025 Meridian Local Road Program\JLV\G\MID24001MOT.dwg



LEGEND



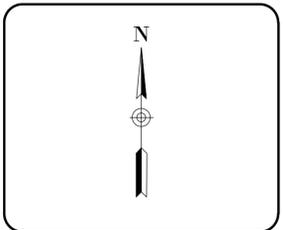
NOTES

USE MDT MAINTAINING TRAFFIC TYPICALS 110-TR-NFW-2L AND 122-NFW-SHL-(R) AS APPROVED ON INTERSECTING PRIMARY ROADS FOR PAVING OPERATIONS.

SIGN TABLE - THIS SHEET					
Symbol	Sign	Legend/Characteristics	Qty	Sq Ft	Total Sqft
A	W20-1	"ROAD WORK AHEAD"	10	16	160
B	W21-5bR	"RIGHT SHOULDER CLOSED AHEAD"	2	16	32
C	R2-1	SPEED LIMIT 25	2	20	40
D	R5-18c	"WORK ZONE BEGINS"	2	16	32
E	G20-2	"END ROAD WORK"	4	8	32
F	W3-5b	"REDUCED SPEED ZONE AHEAD"	2	16	32
G	W20-4	"ONE LANE ROAD AHEAD"	2	16	32
H	W3-4	"BE PREPARED TO STOP"	2	16	32
I	W20-7a	Flagger Ahead symbol	2	16	32
J	W8-1	"BUMP"	14	16	224
K	D3-1	"TACOMA BLVD"	5	4	20
O	D3-1	"WAUSSAU RD"	2	4	8
Sign, Type B, Temp, Prismatic Area					676
Sign, Type B, Temp, Prismatic, Spec Area					28

SPALDING DeDECKER
 Engineers | Planners | Surveyors
 Excellence Since 1954
 313 N. Capitol Ave, Suite 100
 Lansing, MI 48933
 Phone (517) 679-4400
Headquarters
 Rochester Hills
Branch Offices
 Detroit | Grand Rapids | Novi | Lansing | Flint

 www.sda-eng.com
 (800) 598-1600



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

 PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE

 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.

 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

MAINTAINING TRAFFIC - TACOMA BLVD TO YUMA TRAIL

SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DRAFTER	DATE
N. STEVENS	05-23-24
DESIGNER	DATE
N. STEVENS	05-23-24
CHECKED BY	DATE
A. TEMPLE	12-10-24
PROJECT MANAGER	BID PLAN DATE
D. TROIA	12-26-24
DEPARTMENT MANAGER APPROVAL	DATE
J. SCHROT	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001MOT
SCALE:	SHEET NO.
NTS	35 OF 37



UTILITY NOTE
 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

TIHART RD DETOUR
 SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DATE	DATE
09-03-24	09-03-24
09-03-24	09-03-24
12-10-24	12-10-24
12-26-24	12-26-24
12-10-24	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001DTR
SCALE:	SHEET NO.
NTS	36 OF 37

CONSTRUCTION SIGNING QUANTITIES (SIGN, TYPE B, TEMP, PRISMATIC)

SIGN CODE	ITEM DESCRIPTION	SIZE (N/H)	QTY	AREA (SFT)
M3-2	EAST	24x12	2	4
M3-4	WEST	24x12	2	4
M4-8	DETOUR END	24x30	2	10
M4-9	DETOUR UP	24x30	14	70
M4-9 (R)	DETOUR RIGHT	24x30	3	15
M4-9 (L)	DETOUR LEFT	24x30	4	20
M4-9 (RT)	DETOUR ADVANCE RIGHT	24x30	3	15
M4-9 (LT)	DETOUR ADVANCE LEFT	24x30	4	20
M4-10 (R)	DETOUR ARROW RIGHT	18x48	2	12
M4-10 (L)	DETOUR ARROW LEFT	18x48	2	12
W20-1	ROAD WORK AHEAD	48x48	8	128
W20-2	DETOUR AHEAD	48x48	5	80
W20-3	ROAD CLOSED AHEAD	48x48	8	128
R11-3	ROAD CLOSED TO THRU TRAFFIC	48x60	5	100
W-8	BUMP	48x48	1	16
TOTAL QTY			65	634

CONSTRUCTION SIGNING QUANTITIES (SIGN, TYPE B, TEMP, PRISMATIC, SPEC)

SIGN CODE	ITEM DESCRIPTION	SIZE (N/H)	QTY	AREA (SFT)
D3-2a	TIHART (BLACK/ORANGE)	36x12	47	141
TOTAL QTY			47	141

MAINTENANCE OF TRAFFIC ITEMS

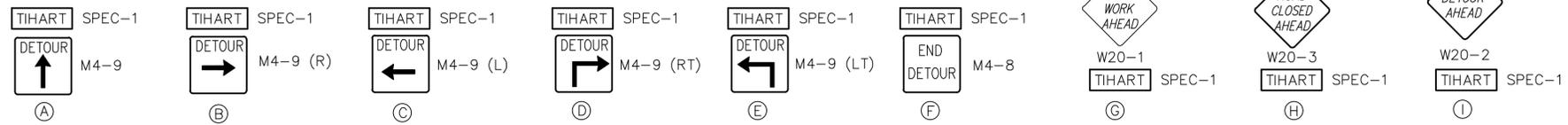
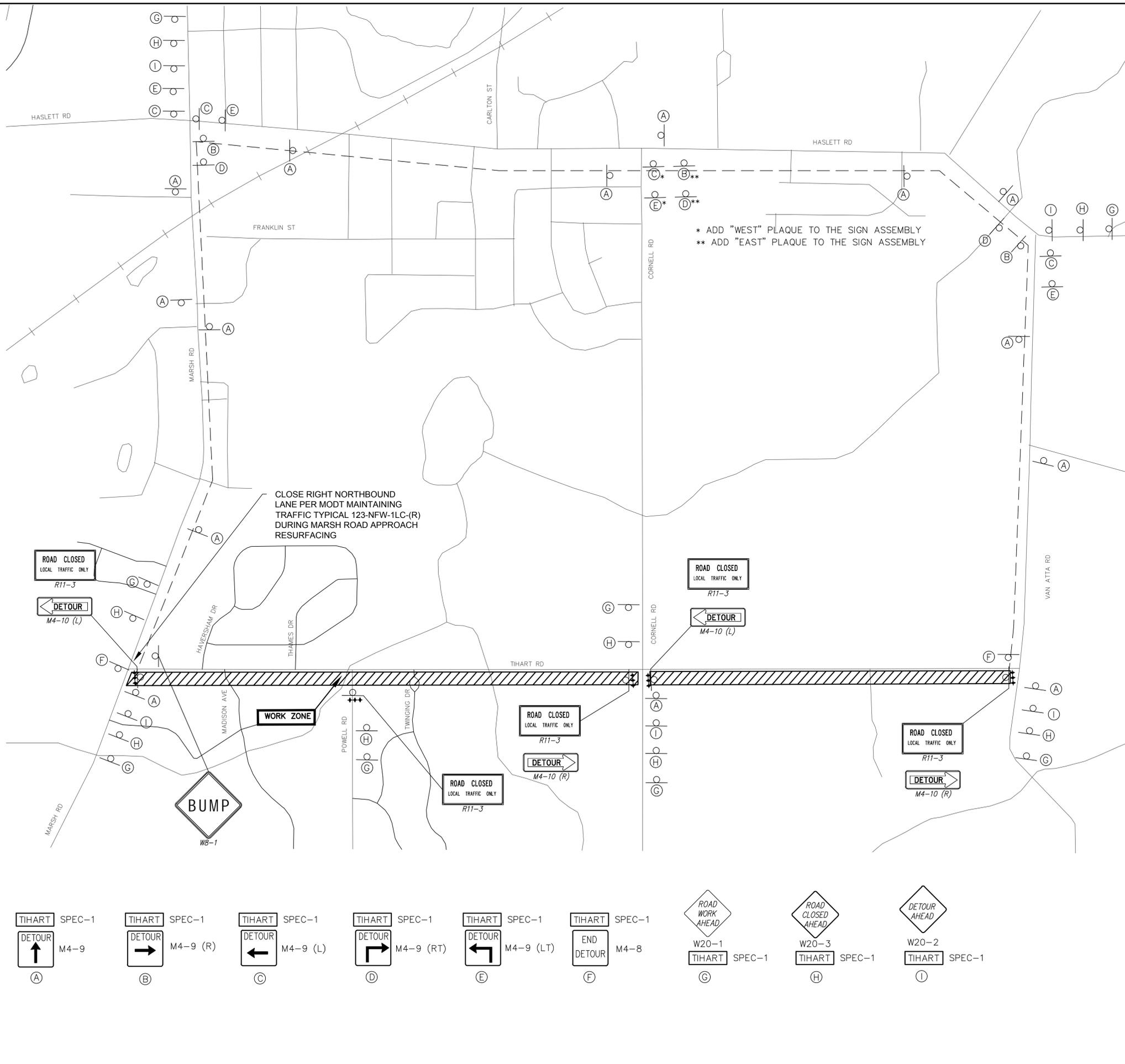
ITEM DESCRIPTION	QTY	UNIT
BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED, FURN	15	EA
BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED, OPER	15	EA
MINOR TRAF DEVICES	1	LSUM
SIGN COVER	5	EA
SIGN, TYPE B, TEMP, PRISMATIC, FURN	618	SFT
SIGN, TYPE B, TEMP, PRISMATIC, OPER	618	SFT
SIGN, TYPE B, TEMP, PRISMATIC, SPEC, FURN	141	SFT
SIGN, TYPE B, TEMP, PRISMATIC, SPEC, OPER	141	SFT

NOTES

- THE QUANTITIES SHOWN ABOVE ARE FOR INFORMATION ONLY. TRAFFIC CONTROL ITEMS WILL BE PAID FOR AS "TEMPORARY TRAFFIC CONTROL DEVICES" (LSUM).
- TIHART RD SHALL BE CLOSED FOR THRU TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN. LOCAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AS DIRECTED BY THE ENGINEER.
- TRAFFIC CONTROL SHALL BE IN CONFORMANCE WITH THE MOST RECENT EDITION OF THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD).
- THE TEMPORARY SIGNS SHALL HAVE GROUND DRIVEN SIGN SUPPORTS. DRIVING SIGN SUPPORT IS INCLUDED IN THE PAY ITEM "SIGN, TYPE B, TEMP, PRISMATIC."
- ALL TEMPORARY SIGN POSTS DRIVEN INTO THE GROUND, AS SHOWN ON THIS PLAN AND ELSEWHERE USED ON THIS JOB AS NECESSARY SHALL BE DONE ACCORDING TO THE M.D.O.T. DETAIL W20-100-A.
- ALL UNDERGROUND UTILITIES SHALL BE LOCATED PRIOR TO DRIVING POSTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING MISS DIG AND SHALL CONDUCT HIS OPERATIONS IN SUCH MANNER AS TO ENSURE THAT THOSE UTILITIES SHALL NOT BE DISTURBED.
- ACCESS MUST BE MAINTAINED TO ALL DRIVEWAYS AT ALL TIMES, UNLESS APPROVED OTHERWISE BY THE ENGINEER.
- ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN WORKING ORDER, ANY DEVICES DAMAGED BY THE CONTRACTOR OR DUE TO IMPROPER USE SHALL BE REPLACED PROMPTLY AT THE CONTRACTOR'S EXPENSE.
- WHEN BUFFER AREAS ARE ESTABLISHED, THERE SHALL BE NO EQUIPMENT OR MATERIALS STORED OR WORK CONDUCTED IN THE BUFFER AREA.
- EMERGENCY SERVICES, SCHOOLS AND THE POST OFFICE ARE TO BE NOTIFIED ABOUT THE DETOUR PRIOR TO STARTING WORK.

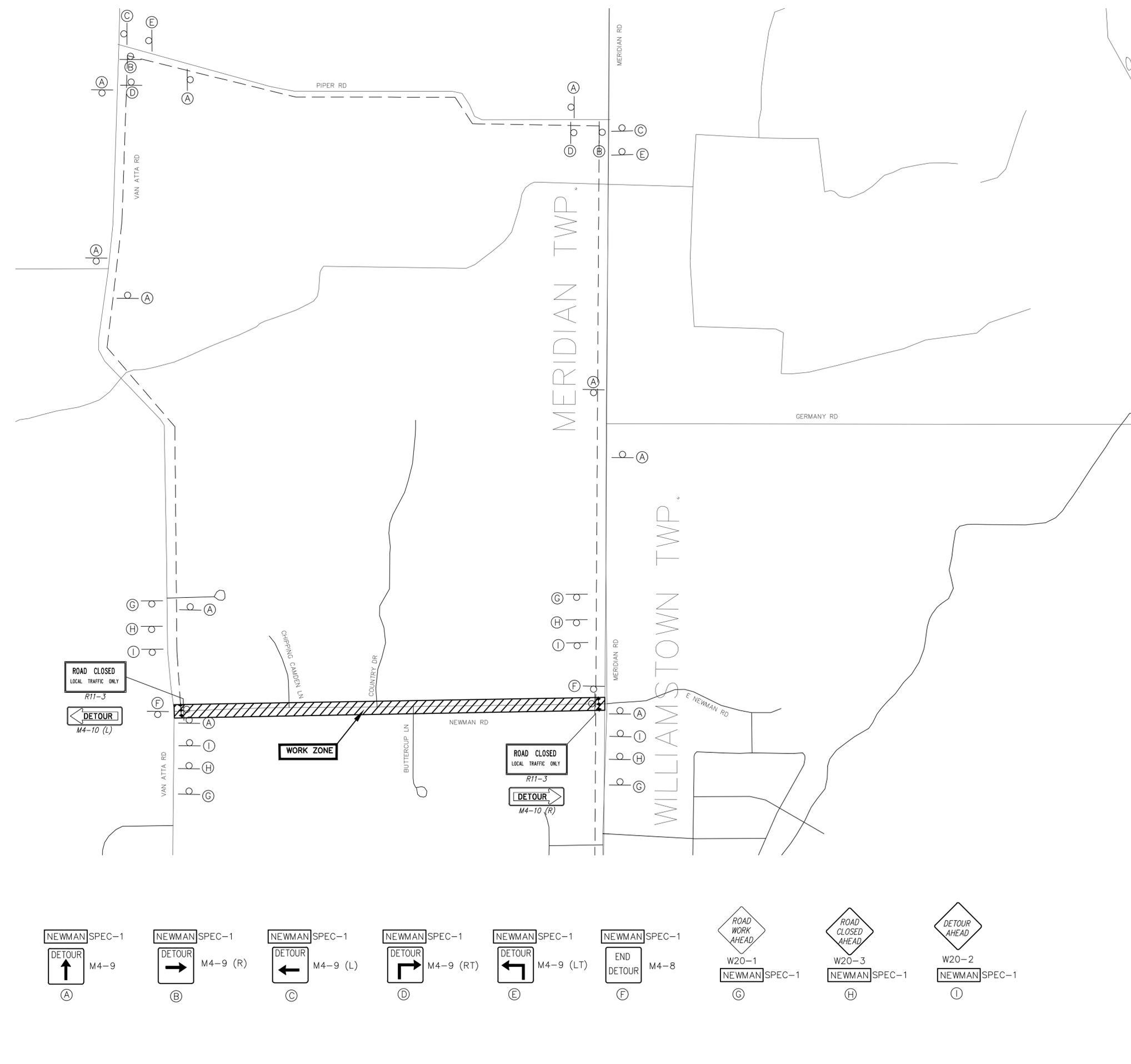
LEGEND

- *** BARRICADE, TYPE III
- SIGN
- DETOUR ROUTE
- //// WORK ZONE



P:\cadd\Dec 27, 2024, 2:15 PM by user: 1151 - Saved: 12/18/2024 by user: 1151
 J:\MD\MD24001 - 2025 Meridian Local Road Program\J\G\MD24001DTR.dwg

P:\cadd\Dec 27, 2024, 2:15 PM by user: 1151 - Saved: 12/18/2024 by user: 1151
 J:\MID24001 - 2025 Meridian Local Road Program\J\G\MD24001DTR.dwg



CONSTRUCTION SIGNING QUANTITIES (SIGN, TYPE B, TEMP, PRISMATIC)				
SIGN CODE	ITEM DESCRIPTION	SIZE (IN/IN)	QTY	AREA (SFT)
M4-8	DETOUR END	24x30	2	10
M4-9	DETOUR UP	24x30	10	50
M4-9 (R)	DETOUR RIGHT	24x30	2	10
M4-9 (L)	DETOUR LEFT	24x30	2	10
M4-9 (RT)	DETOUR ADVANCE RIGHT	24x30	2	10
M4-9 (LT)	DETOUR ADVANCE LEFT	24x30	2	10
M4-10 (R)	DETOUR ARROW RIGHT	18x48	1	6
M4-10 (L)	DETOUR ARROW LEFT	18x48	1	6
W20-1	ROAD WORK AHEAD	48x48	4	64
W20-2	DETOUR AHEAD	48x48	4	64
W20-3	ROAD CLOSED AHEAD	48x48	4	64
R11-3	ROAD CLOSED TO THRU TRAFFIC	48x60	2	40
			TOTAL QTY	344

CONSTRUCTION SIGNING QUANTITIES (SIGN, TYPE B, TEMP, PRISMATIC, SPEC)				
SIGN CODE	ITEM DESCRIPTION	SIZE (IN/IN)	QTY	AREA (SFT)
D3-2a	NEWMAN (BLACK/ORANGE)	36x12	27	81
			TOTAL QTY	27

MAINTENANCE OF TRAFFIC ITEMS		
ITEM DESCRIPTION	QTY	UNIT
BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED, FURN	15	EA
BARRICADE, TYPE III, HIGH INTENSITY, DOUBLE SIDED, LIGHTED, OPER	15	EA
MINOR TRAF DEVICES	1	LSUM
SIGN COVER	5	EA
SIGN, TYPE B, TEMP, PRISMATIC, FURN	344	SFT
SIGN, TYPE B, TEMP, PRISMATIC, OPER	344	SFT
SIGN, TYPE B, TEMP, PRISMATIC, SPEC, FURN	81	SFT
SIGN, TYPE B, TEMP, PRISMATIC, SPEC, OPER	81	SFT

NOTES

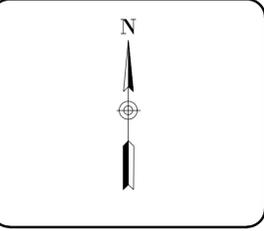
- THE QUANTITIES SHOWN ABOVE ARE FOR INFORMATION ONLY. TRAFFIC CONTROL ITEMS WILL BE PAID FOR AS "TEMPORARY TRAFFIC CONTROL DEVICES" (LSUM).
- NEWMAN RD SHALL BE CLOSED FOR THRU TRAFFIC IN ACCORDANCE WITH THE TRAFFIC CONTROL PLAN. LOCAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AS DIRECTED BY THE ENGINEER.
- TRAFFIC CONTROL SHALL BE IN CONFORMANCE WITH THE MOST RECENT EDITION OF THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MMUTCD).
- THE TEMPORARY SIGNS SHALL HAVE GROUND DRIVEN SIGN SUPPORTS. DRIVING SIGN SUPPORT IS INCLUDED IN THE PAY ITEM "SIGN, TYPE B, TEMP, PRISMATIC."
- ALL TEMPORARY SIGN POSTS DRIVEN INTO THE GROUND, AS SHOWN ON THIS PLAN AND ELSEWHERE USED ON THIS JOB AS NECESSARY SHALL BE DONE ACCORDING TO THE M.D.O.T. DETAIL W20-100-A.
- ALL UNDERGROUND UTILITIES SHALL BE LOCATED PRIOR TO DRIVING POSTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING MISS DIG AND SHALL CONDUCT HIS OPERATIONS IN SUCH MANNER AS TO ENSURE THAT THOSE UTILITIES SHALL NOT BE DISTURBED.
- ACCESS MUST BE MAINTAINED TO ALL DRIVEWAYS AT ALL TIMES, UNLESS APPROVED OTHERWISE BY THE ENGINEER.
- ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN WORKING ORDER. ANY DEVICES DAMAGED BY THE CONTRACTOR OR DUE TO IMPROPER USE SHALL BE REPLACED PROMPTLY AT THE CONTRACTOR'S EXPENSE.
- WHEN BUFFER AREAS ARE ESTABLISHED, THERE SHALL BE NO EQUIPMENT OR MATERIALS STORED OR WORK CONDUCTED IN THE BUFFER AREA.
- EMERGENCY SERVICES, SCHOOLS AND THE POST OFFICE ARE TO BE NOTIFIED ABOUT THE DETOUR PRIOR TO STARTING WORK.

LEGEND

- ◆◆◆ BARRICADE, TYPE III
- SIGN
- - - - - DETOUR ROUTE
- ▨▨▨▨▨▨ WORK ZONE

SPALDING DeDECKER
 Engineers | Planners | Surveyors
 Excellence Since 1954
 313 N. Capitol Ave, Suite 100
 Lansing, MI 48933
 Phone (517) 679-4400
 Headquarters
 Rochester Hills
 Branch Offices
 Detroit | Grand Rapids | Novi | Lansing | Flint

www.sda-eng.com
 (800) 598-1600



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

PRIOR TO CONSTRUCTION, ALL LOCATIONS AND DEPTHS OF EXISTING UTILITIES (IN CONFLICT WITH PROPOSED IMPROVEMENTS) SHALL BE VERIFIED IN THE FIELD. CALL MISS DIG 3 WORKING DAYS PRIOR TO CONSTRUCTION.

UTILITY NOTE
 UTILITY INFORMATION ON THIS DRAWING MAY BE FROM INFORMATION DISCLOSED TO THIS FIRM BY THE VARIOUS UTILITY COMPANIES, CITY/COUNTY AGENCIES AND OTHER VARIOUS SOURCES. UNDERGROUND UTILITIES WHICH ARE ON PRIVATE PROPERTY ARE USUALLY NOT DELINEATED UPON A UTILITY COMPANY'S PUBLISHED PLANS. THEIR LOCATION, IF SHOWN UPON THIS SURVEY, ARE APPROXIMATED FROM FOUND PAINT MARKS/STAKES, ETC. AS LOCATED BY THIS FIRM FROM SOURCES WHICH ARE UNKNOWN. NO GUARANTEE IS GIVEN AS TO THE COMPLETENESS OR ACCURACY THEREOF.
 COPYRIGHT © 2023 SPALDING DeDECKER ASSOCIATES, INC. THIS DRAWING AND THE SUBJECT MATTER CONTAINED THEREON IS PROPRIETARY AND IS NOT TO BE USED OR REPRODUCED WITHOUT WRITTEN PERMISSION OF SPALDING DeDECKER ASSOCIATES, INC.

2025 LOCAL STREET CRUSHING AND RESURFACING

NEWMAN RD DETOUR

SECTION 14, 15, 21, 22, 24, 27, 28
 TOWN 4 NORTH RANGE 1 WEST
 CITY/TOWNSHIP MERIDIAN TOWNSHIP
 COUNTY INGHAM

NO.	DATE	SUBMITTAL
1	11-15-2024	GI SUBMITTAL
2	11-27-2024	REVISED GI SUBMITTAL
3	12-26-2024	BID SUBMITTAL

VERIFY SCALES
 BAR IS ONE INCH ON ORIGINAL DRAWING
 IF NOT ONE INCH ON THIS SHEET,
 ADJUST SCALES ACCORDINGLY

DATE	DATE
09-03-24	09-03-24
09-03-24	09-03-24
12-10-24	12-10-24
12-26-24	12-26-24
12-10-24	12-10-24

JOB NO.	DRAWING NO.
MD24001	MD24001DTR
SCALE:	SHEET NO.
NTS	37 OF 37