

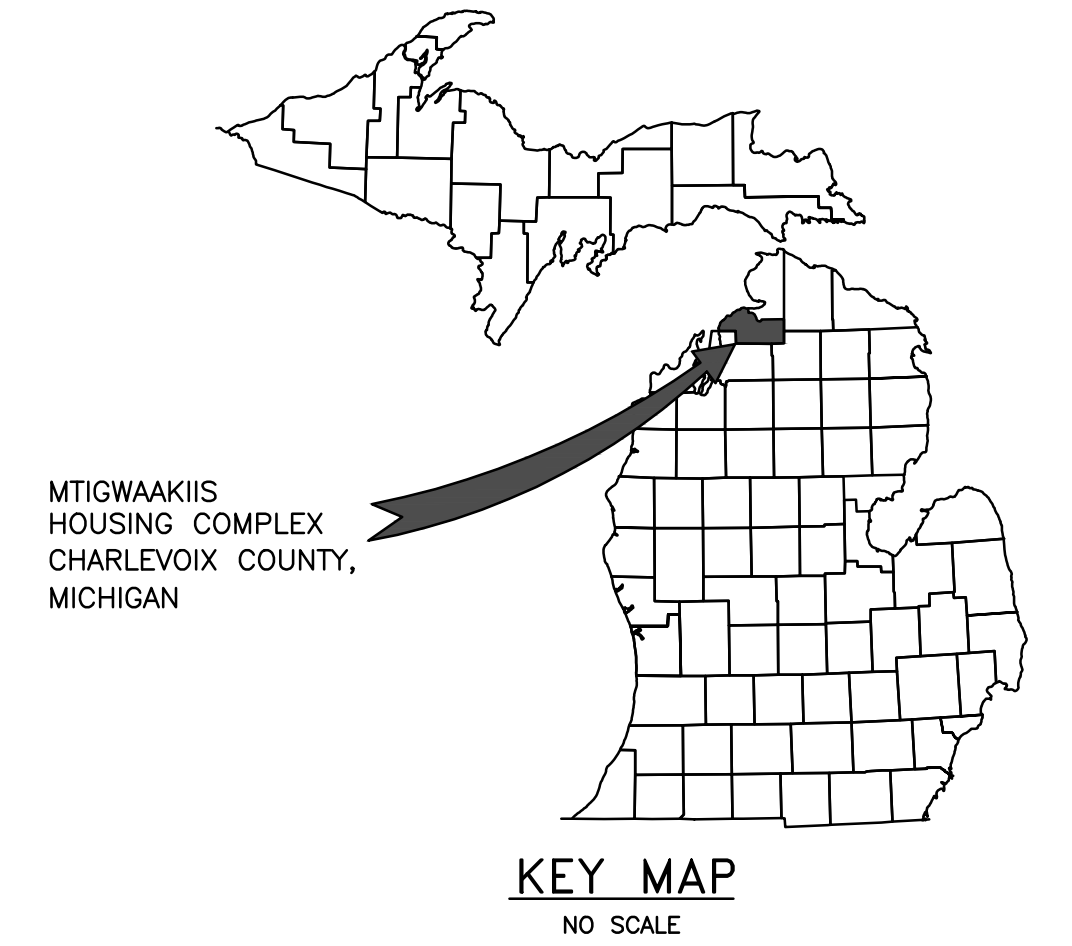


LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS

IN COOPERATION WITH THE BUREAU OF INDIAN AFFAIRS

CONSTRUCTION PLANS FOR NIINAATIG WAY AND PARKING AREAS

PART A: ROAD CONSTRUCTION AND PART B: HMA, ULTRA-THIN OVERLAY

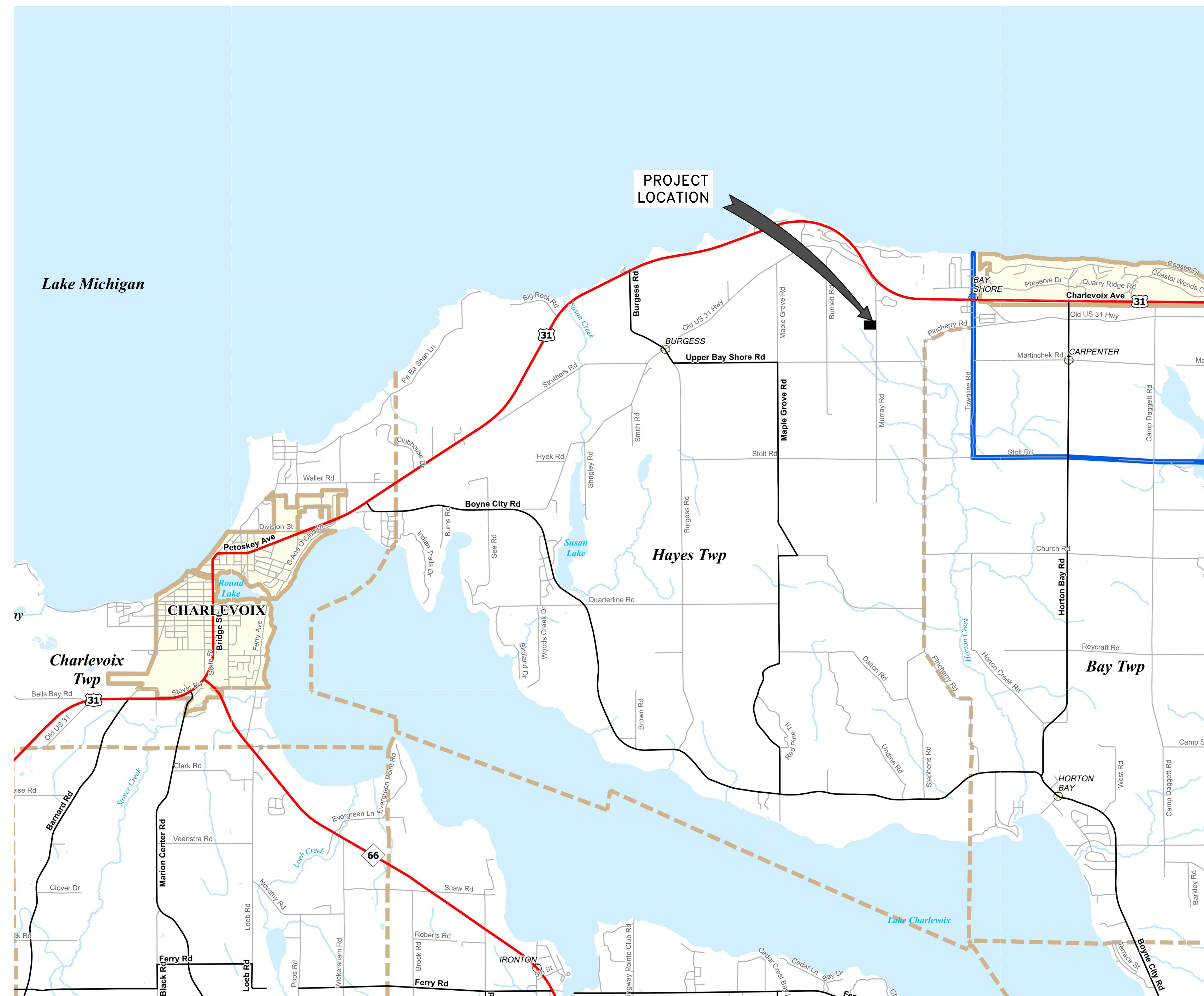


UTILITIES & MUNICIPALITIES

<p>FIBER CHARTER COMMUNICATIONS 2255 M-119 PETOSKEY, MICHIGAN 49770 CONTACT: STEVE THINEL PHONE: 231.631.5725</p> <p>GAS DTE ENERGY 1250 MICHCON LANE KALKASKA, MICHIGAN 49646 CONTACT: MATT LOGAN PHONE: 231.492.7479</p> <p>ELECTRIC GREAT LAKES ENERGY 1323 BOYNE AVE. BOYNE CITY, MICHIGAN 49712 CONTACT: JOE MCHUGH PHONE: 231.487.1372</p>	<p>CABLE CHARTER COMMUNICATIONS 2255 M-119 PETOSKEY, MICHIGAN 49770 CONTACT: STEVE THINEL PHONE: 231.631.5725</p> <p>TELEPHONE 514 MITCHELL PETOSKEY, MI 49770 CONTACT: JEFF COLLARD PHONE: 231.348.8010</p> <p>LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS - PLANNING DEPARTMENT 7500 ODAWA CIRCLE HARBOR SPRINGS, MICHIGAN 49740 CONTACT: AMANDA SWISS PHONE: 231.242.1508</p>
--	---

GENERAL NOTES

1.) EXISTING TOPOGRAPHIC SURVEY OF THE NIINAATIG WAY ROAD EXTENSION WAS PREPARED BY WADE TRIM BASED ON A FIELD TOPOGRAPHIC SURVEY COMPLETED IN OCTOBER, 2022.



VICINITY MAP
NO SCALE
HAYES TOWNSHIP, CHARLEVOIX COUNTY
T33N, R7W, SECTION 11

SHEET INDEX	
GENERAL SHEETS	SHEET NO.
TITLE SHEET	T1.0
LEGEND AND CONSTRUCTION NOTES	C1.0
TYPICAL SECTIONS, CONSTRUCTION NOTES AND DETAILS	C1.1
TYPICAL SECTIONS AND CONSTRUCTION NOTES	C1.2
CONSTRUCTION DETAILS	C1.3
PART A ROAD CONSTRUCTION	
REMOVAL AND CONSTRUCTION PLAN VIEWS	C2.0
PROFILE VIEW, STA 12+89 (POB) TO 17+50	C2.1
PROFILE VIEW, STA 17+50 TO 23+94 (POE)	C2.2
SECTION VIEWS, STA 13+00 TO 17+50	C3.0
SECTION VIEWS, STA 18+00 TO 22+00	C3.1
SECTION VIEWS, STA 22+50 TO 23+95.5	C3.2
PART B HMA, ULTRA-THIN OVERLAY	
CONSTRUCTION PLAN VIEWS, STA 0+25 TO 9+50	C4.0
CONSTRUCTION PLAN VIEW, STA 9+50 TO 12+90 AND PARKING AREAS	C4.1
CONCRETE ADA RAMP REPLACEMENT, PLAN VIEWS	C5.0

PROJECT DESCRIPTION: CONSTRUCTION OF 0.21 MILES OF NEW ROAD CONSTRUCTION AND HMA ULTRA-THIN OVERLAY INCLUDING EXCAVATION, EARTH EMBANKMENT, CIP, AGGREGATE BASE, HMA PAVINGS, CURB SLP, HMA, HMA SPILLWAYS, AGGREGATE SHOULDERS, SITE RESTORATION, AND ALL OTHER MISCELLANEOUS APPURTENANCES.

JOB NO. **ODW2022.03G** SHEET **T1.0**



PREPARED UNDER THE SUPERVISION OF:

PAUL M. REPASKY
REGISTRATION NO: 6201037233

PROJECT MANAGER: PM
C:_PW_WORK\2\01271852\GCS-PLTS-COVER.DWG - T1.0 - PLOTTED 2/2/2024 8:03 AM BY REPASKY, PAUL



Know what's below.
Call before you dig.

© Wade Trim Group, Inc. LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS - NIINAATIG WAY ROAD CONSTRUCTION

PROJECT MANAGER: P. REPASKY
 C:\PW\WORK\2024\1271852\PLT-TYPICAL SECTIONS NOTES AND DETAILS.DWG - C1.0 - PLOTTED 2/2/2024 9:57 AM BY REPASKY, PAUL

GENERAL PLAN NOTES

UNDERGROUND UTILITIES
 FOR PROTECTION OF UNDERGROUND UTILITIES, AND IN CONFORMANCE WITH PUBLIC ACT 174, 2013, AS AMENDED THE CONTRACTOR SHALL DIAL 1-800-482-7171 OR 811 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITY HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE PART OF THE "MISS DIG" ALERT SYSTEM.

PROPERTY CORNERS/MONUMENTS AND IRONS
 PROPERTY CORNERS/MONUMENTS AND IRONS ARE KNOWN TO EXIST WITHIN THE PROJECT AREA. THE CONTRACTOR WILL MAKE EVERY EFFORT POSSIBLE TO AVOID DISTURBING THESE MARKERS. IDENTIFIED DISTURBED OR COVERED MONUMENTS/CORNERS SHALL BE REPLACED OR ADJUSTED IN HEIGHT BY A LICENSED PROFESSIONAL SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.

PLAN ELEVATION
 ELEVATIONS SHOWN ON THESE PLANS ARE ON AN ASSUMED DATUM.

ROADWAY EARTHWORK
 EXCAVATION, EARTH AND EMBANKMENT, CIP WILL BE PAID FOR BASED UPON PLAN QUANTITY AND SUBJECT TO THE NOTES BELOW. THESE QUANTITIES WILL BE ADJUSTED ONLY FOR AUTHORIZED DEVIATIONS FROM THE PLANS THAT RESULT IN A CHANGE IN EARTHWORK QUANTITIES.

QUANTITIES FOR EXCAVATION, EARTH AND EMBANKMENT, CIP WERE CALCULATED BASED ON THE PROPOSED CENTERLINE PROFILE AND APPROXIMATE EXISTING GROUND SURFACE.

EXCAVATION INCLUDES TOPSOIL STRIPPING. EMBANKMENT REQUIRED SHALL CONSIST OF MDOT CLASS II GRANULAR MATERIAL ANYWHERE BELOW THE INFLUENCE OF THE HMA PAVEMENT. SUBBASE MATERIAL IS INCLUDED IN THE EMBANKMENT QUANTITIES. THERE ARE NO SHRINKAGE OR EXPANSION FACTORS IN THE EARTHWORK VOLUMES. EMBANKMENT, CIP VOLUME IS CALCULATED COMPACTED IN PLACE (CIP), NOT LOOSE MEASURE. PROVIDING AND PLACING TOPSOIL IS INCLUDED IN THE SLOPE RESTORATION, SPECIAL PAY ITEM.

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES
 SOIL EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE AS DIRECTED BY THE ENGINEER.

ASPHALT RELATED ITEMS
 SAW CUTTING EXISTING ASPHALT & CONCRETE SURFACES TO THE LIMITS OF RECONSTRUCTION OR AS DIRECTED BY THE ENGINEER IS INCLUDED IN PAYMENT FOR PAVT, REM. THE CONTRACTOR SHALL PROVIDE FULL DEPTH BUTT JOINTS AT ALL LOCATIONS WHERE NEW HMA MEETS EXISTING PAVEMENT. IF A PAVEMENT EDGE IS DAMAGED SUBSEQUENT TO SAW CUTTING, THE EDGE SHALL BE RE-CUT AS DIRECTED BY THE ENGINEER.

HMA SPILLWAY SHALL BE APPLIED AT THE RATE SPECIFIED AND ACCORDING TO THE DETAIL. ALL WORK REQUIRED TO COMPLETE THIS WORK INCLUDING PROPER CONSTRUCTION TO ENSURE FUNCTIONALITY IS INCLUDED IN PAYMENT FOR HMA SPILLWAY.

ACCESS AND TRAFFIC MAINTENANCE
 PART A NEW ROAD CONSTRUCTION: THE CONTRACTOR SHALL BARRICADE AND SIGN (ROAD CLOSED TO THRU TRAFFIC) BOTH ENDS OF PART A PROJECT LIMITS UNTIL THE PROJECT IS ACCEPTED BY THE OWNER.

PART B HMA, OVERLAY CONSTRUCTION: THE CONTRACTOR SHALL MAINTAIN TRAFFIC WITH A LANE CLOSURE AND KEEP THE SIDE STREETS FREE OF CONSTRUCTION DEBRIS TO ALLOW THE RESIDENTS ACCESS. ACCESS FOR EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR TO PROVIDE A MAINTAINING TRAFFIC PLAN FOR REVIEW AND APPROVAL BY THE ENGINEER PRIOR TO START OF CONSTRUCTION.

LIMITS OF SLOPE RESTORATION
 THE LIMITS OF EARTH DISTURBANCE HAS BEEN ESTABLISHED AS 10 FEET OUTSIDE OF THE SLOPE STAKE LINE IN UNPROTECTED FILL AREAS, EXCEPT ADJACENT TO WETLANDS WHERE IT HAS BEEN ESTABLISHED AT 3 FEET AND UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS. IN DITCH AND CUT CUT AREAS THE LIMITS OF EARTH DISTURBANCE HAS BEEN ESTABLISHED AS 3 FEET. CLASS A SLOPES ARE REQUIRED IN RESIDENTIAL AREAS ON THIS PROJECT. ALL OTHER AREAS SHALL RECEIVE CLASS B SLOPES.

RESTORATION SHALL BE PLACED OVER THE COMPACTED AGGREGATE SHOULDER FROM THE EDGE OF HMA OUTWARD, AS DIRECTED BY THE ENGINEER. THE FINAL SURFACE OF THE AGGREGATE SHOULDER SHALL BE A MINIMUM OF 1 INCH BELOW THE FINISHED GRADE OF THE HMA TO COURSE. A MINIMUM OF 1 INCH TOP TOPSOIL SHALL BE PLACED TO THE TOP OF THE FINISHED HMA SURFACE AND GRADED OUTWARD FOR POSITIVE DRAINAGE.

LEGEND
EXISTING **PROPOSED**

BENCH MARK		
TELEPHONE PEDESTAL		
POWER POLE		
TELEPHONE POLE		
GUY ANCHOR		
GUY POLE		
IRON BAR / PROP. CORN.		
ROAD SIGN		
SECTION CORNER		
MONUMENT		
MAIL BOX (& NUMBER)		
UNDERGROUND GAS MARKER		
SOIL BORINGS		
DECIDUOUS VEGETATION		
CONIFEROUS VEGETATION		
CULVERT		
GAS LINE		
UNDERGROUND TELEPHONE		
FENCE		
TREE LINE		
BUILDING		
SILT FENCE		
SLOPE STAKE LINE		
RIGHT-OF-WAY		
GRADING PERMIT		
TREE AND STUMP REMOVAL		
CLEARING		
HMA, SURFACE REMOVE		
COLD MILL HMA SURFACE		
TRENCHING		
HMA ULTRA-TIN OVERLAY		
EXISTING HMA SURFACE		
PROPOSED HMA SURFACE		

ESTIMATED QUANTITIES

THE FOLLOWING ITEMS OF WORK SHALL BE DONE AS THEY APPLY THROUGHOUT THE PROJECT. THESE ITEMS ARE NOT DETAILED OR INCLUDED ON THE PLAN SHEETS.

PAY ITEM	QUANTITY
Mobilization, Max. _____	1 LSUM
Embankment, CIP	750 Cyd
Excavation, Earth	1,600 Cyd
Aggregate Base	1,450 Ton
Shld, CI II	27 Ton
HMA, 4EL	256 Ton
HMA, 5EL	256 Ton
CURB SLP, HMA	1,461 FT
BARRICADE, TYPE III, HIGH INTENSITY, LIGHTED, FURN	4 EA
BARRICADE, TYPE III, HIGH INTENSITY, LIGHTED, OPER	4 EA
SIGN, TYPE B, TEMP, PRISMATIC, FURN	128 SFT
SIGN, TYPE B, TEMP, PRISMATIC, OPER	128 SFT

MISCELLANEOUS ESTIMATES

THE FOLLOWING ITEMS OF WORK SHALL BE DONE AS THEY APPLY THROUGHOUT THE PROJECT AS DIRECTED BY THE ENGINEER. THESE ITEMS ARE NOT DETAILED OR INCLUDED ON THE PLAN SHEETS.

PAY ITEM	QUANTITY
Erosion Control, Silt Fence	1,000 Ft
Mulch Blanket, High Velocity	1,000 Syd
Slope Restoration, Special	6,100 Syd

MDOT STANDARD ROAD PLANS (NOT TO BE PRINTED)

WHERE THE FOLLOWING ITEMS ARE CALLED FOR IN THE PLANS, THEY ARE TO BE CONSTRUCTED ACCORDING TO THE STANDARD PLANS GIVEN BELOW, OPPOSITE EACH ITEM UNLESS OTHERWISE INDICATED.

TITLE	PLAN NO.
CURB RAMP AND DETECTABLE WARNING DETAILS	R-28-K
PAVED AND COBBLE DITCHES, & DRAINAGE TREATMENT DETAILS	R-46-D
PRECAST CONCRETE END SECTION FOR PIPE CULVERT	R-86-F
SOIL EROSION & SEDIMENTATION CONTROL MEASURES	R-96-E
SEEDING AND TREE PLANTING	*R-100-I
GRADING CROSS SECTIONS	R-105-D

* INDICATES SPECIAL DETAIL INCLUDED IN PROPOSAL

REV#	DATE	DESCRIPTION	BY

6641 ODAW 27 S, Sube 1
 PO Box 318
 Gaylord, MI 49734
 www.wade-trim.com



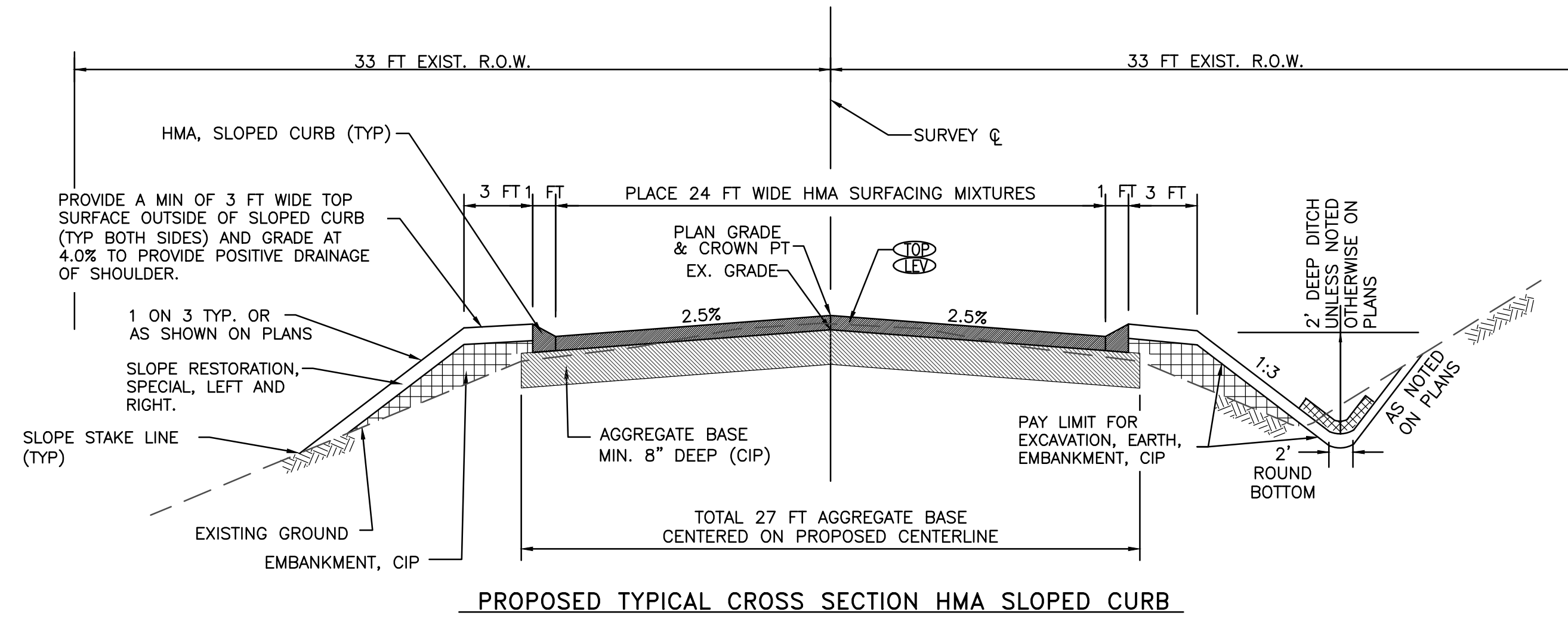
LITTLE TRAVERSE BAY BANDS
OF ODAWA INDIANS
7500 ODAWA CIRCLE, HARBOR SPRINGS
 PART A: NIINAATIG WAY ROAD CONSTRUCTION
 LEGEND AND
 CONSTRUCTION NOTES

ISSUED FOR:	DATE:	BY:
Final Review	08/21/23	PMR
QC Review	11/01/23	PMR
Final Review	11/16/23	PMR
Bidding	02/01/24	PMR

JOB NO:
ODW2022-03G

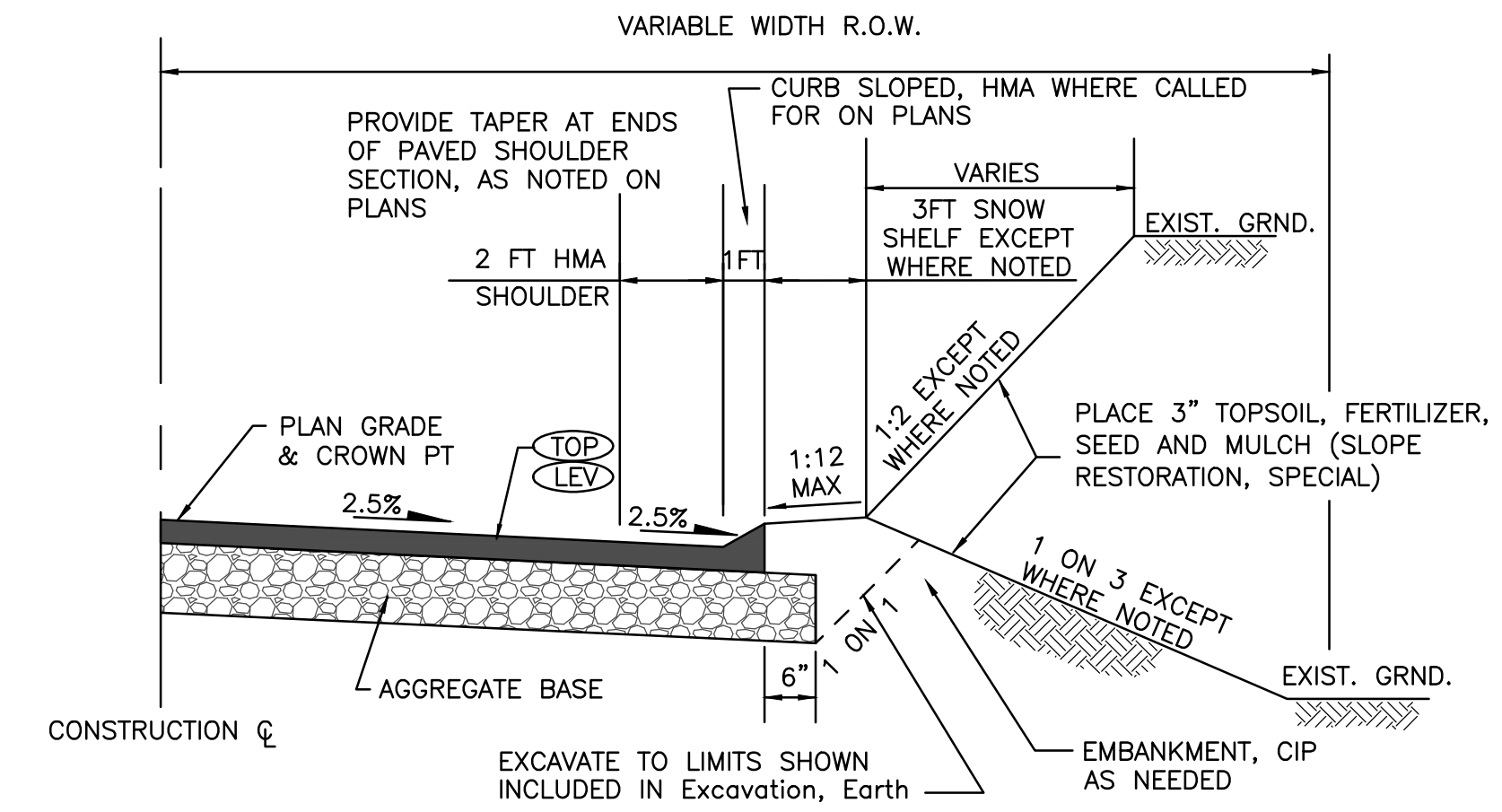
SHEET
C1.0

JOB NO: ODW2022.03G
 LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS - NIINAATIG WAY ROAD CONSTRUCTION
 © Wade Trim Group, Inc.



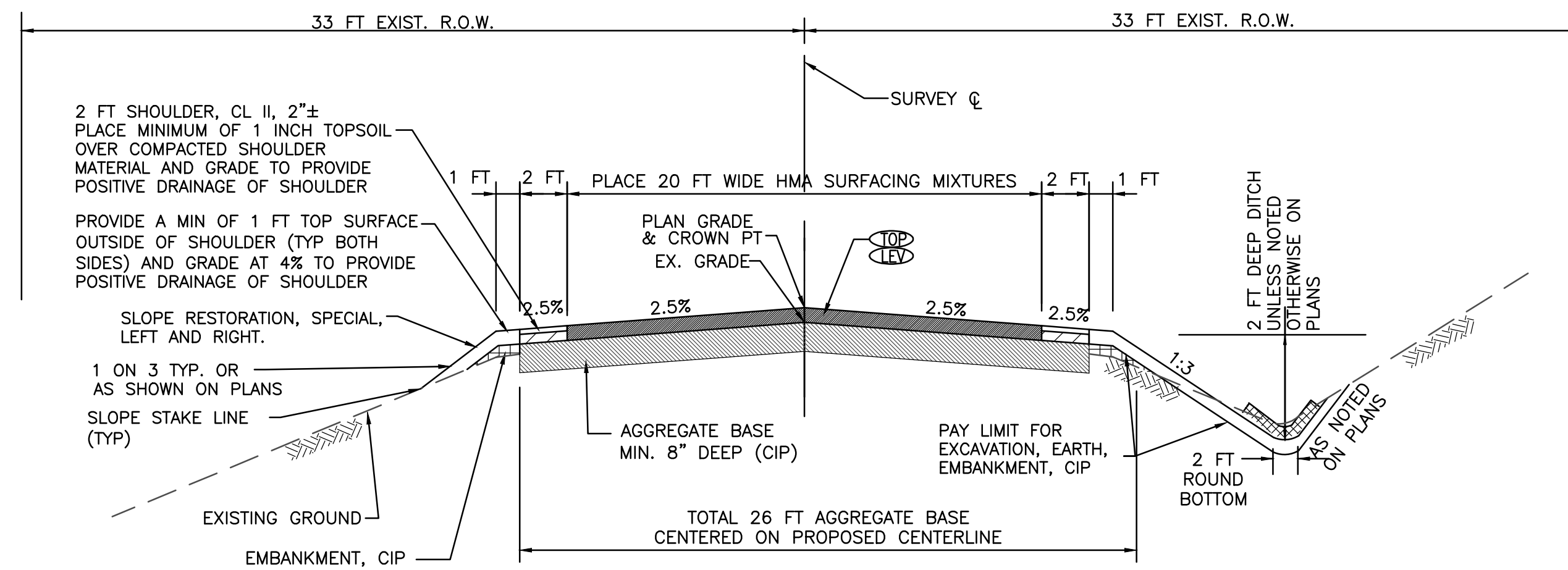
PROPOSED TYPICAL CROSS SECTION HMA SLOPED CURB

TO APPLY:
STATION 13+00 TO 16+35
STATION 18+30 TO 21+67



TYPICAL PAVED SHOULDER HALF-SECTION

TO APPLY AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

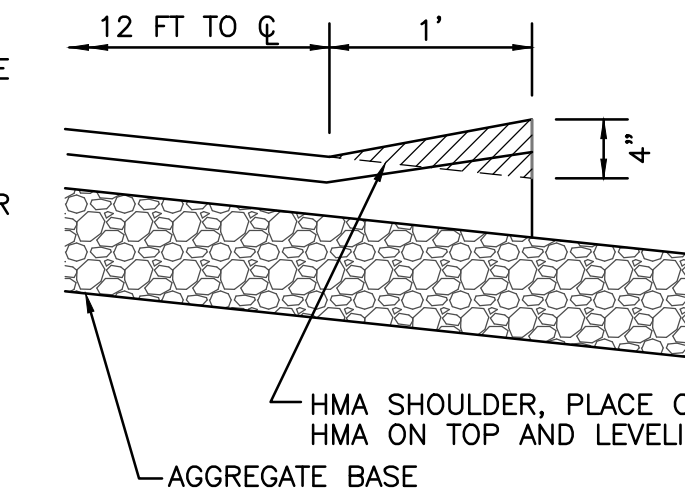


PROPOSED TYPICAL CROSS SECTION

TO APPLY:
STATION 12+89 (PART A POB) TO 13+00
STATION 16+35 TO 18+30
STATION 21+67 TO 23+94 (PART A POE)

NOTE: CURB SLOPED, HMA TO BE PLACED WITH PAVER (NOT BY HAND). CURB SLOPED, HMA WILL BE MEASURED AND PAID FOR AS CURB SLOPED, HMA ON A LINEAR FOOT BASIS. CURB SLOPED, HMA MATERIAL TONNAGE TO BE PAID AS PART OF MAINLINE HMA, 4EL AND 5EL.

TO APPLY AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.



CURB SLOPED, HMA

INSTALL CURB SLOPED, HMA INTEGRALLY WITH HMA, 4EL (LEVELING) AND 5EL (TOP)

HMA APPLICATION TABLE

IDENTIFICATION	PAY ITEMS	AVE RATE PER SYD	PERFORMANCE GRADE	REMARKS
TOP COURSE (TOP)	HMA, 5EL	165 LBS	58-28	AWI 220 (MIN.)
LEVELING COURSE (LEV)	HMA, 4EL	165 LBS	58-28	
HMA SPILLWAY	HMA SPILLWAY	330 LBS	58-28	HMA, 5EL HMA, 4EL
HMA CURB	CURB SLOPED, HMA	VARIES	58-28	HMA, 5EL HMA, 4EL

0.05 TO 0.15 GAL/SYD HMA BOND COAT AS DIRECTED BY THE ENGINEER. NOT A PAY ITEM.
DESIGN HMA, 5EL MIX FOR 4% AIR VOIDS. REGRESS TO 3% FOR PRODUCTION.

CONSTRUCTION NOTES:

CONSTRUCTION STAKING NOTE: ENGINEER WILL PROVIDE CONSTRUCTION STAKING IN ACCORDANCE SECTION B24 OF THE MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. HORIZONTAL ALIGNMENT AND SLOPE STAKING WILL BE PROVIDED AT 100-FOOT INTERVALS THROUGHOUT THE ENTIRE PROJECT.

REV#	DATE	DESCRIPTION	BY

6641 OJUS 27 S, Sub 1
PO Box 318
Gaylord, MI 49734
www.wade-trim.com



**LITTLE TRAVERSE BAY BANDS
OF ODAWA INDIANS
7500 ODAWA CIRCLE, HARBOR SPRINGS**
PART A: NIINAATIG WAY ROAD CONSTRUCTION
TYPICAL SECTIONS,
CONSTRUCTION NOTES AND DETAILS

ISSUED FOR: DATE: BY:
Final Review 08/21/23 PMR
QC Review 11/01/23 PMR
Final Review 11/16/23 PMR
Bidding 02/01/24 PMR

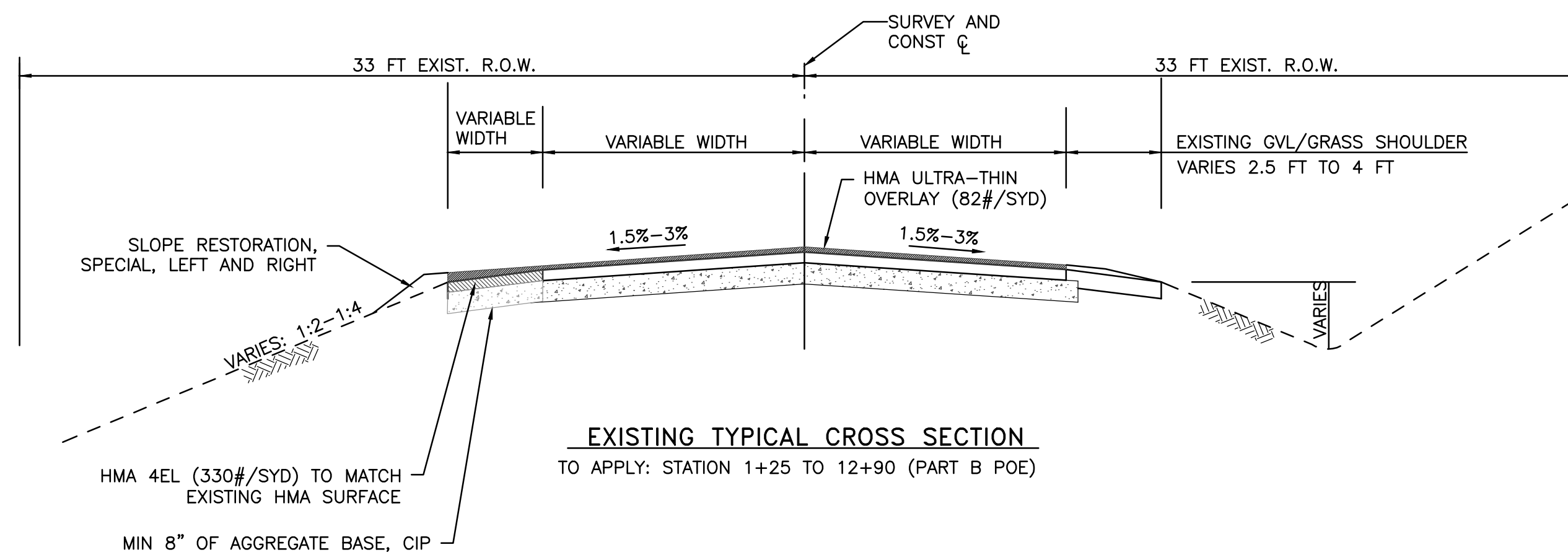
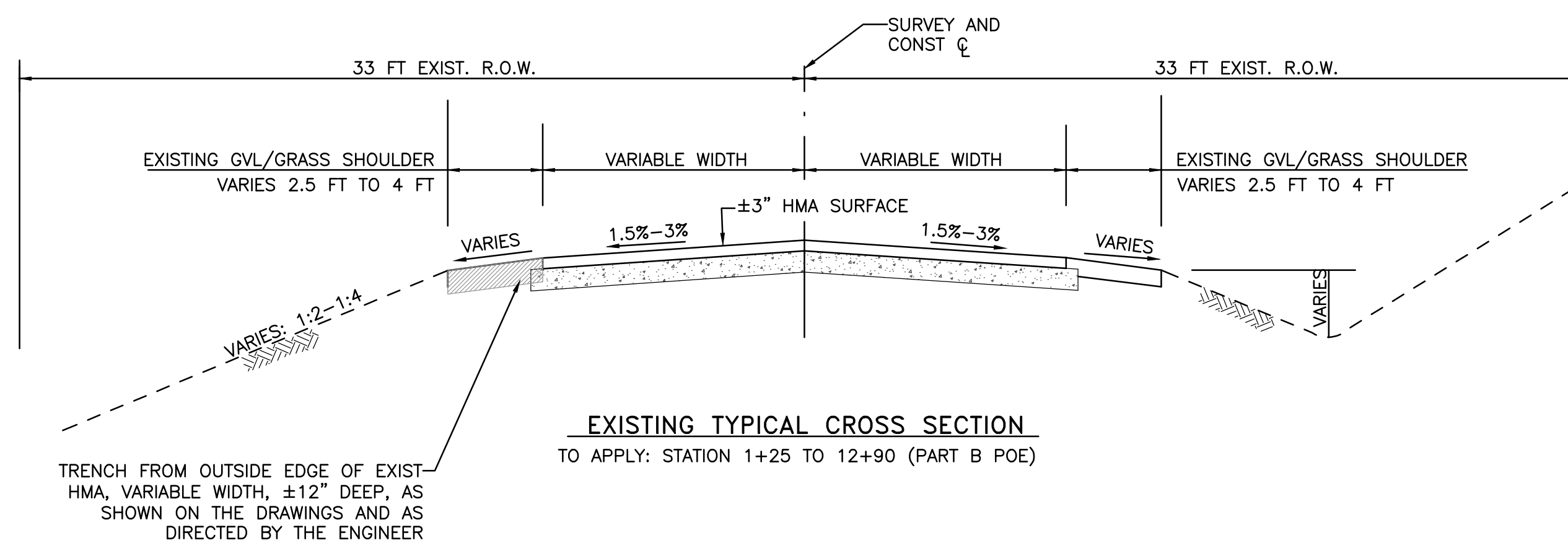
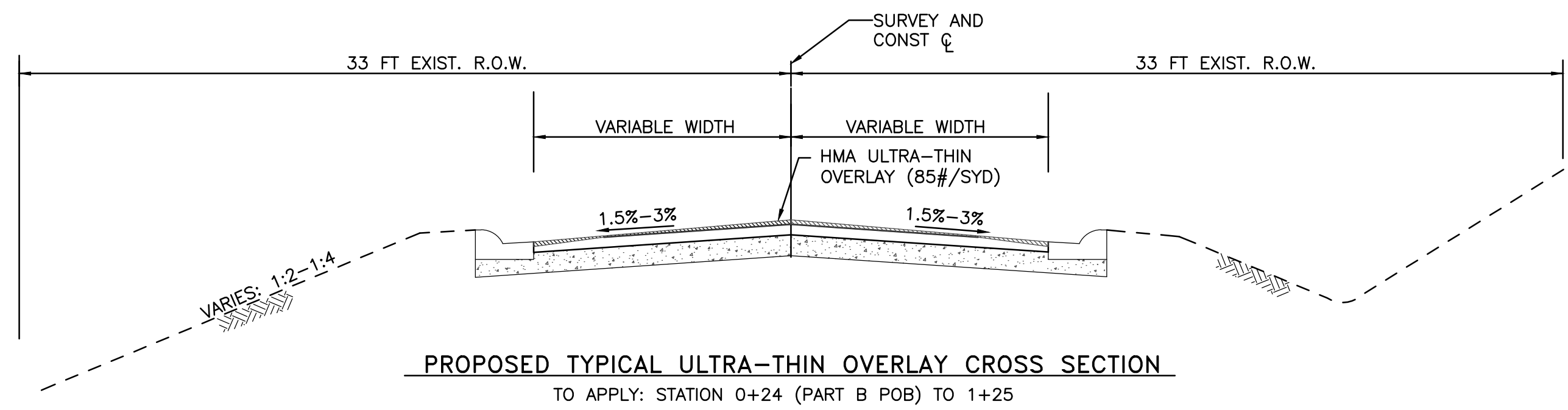
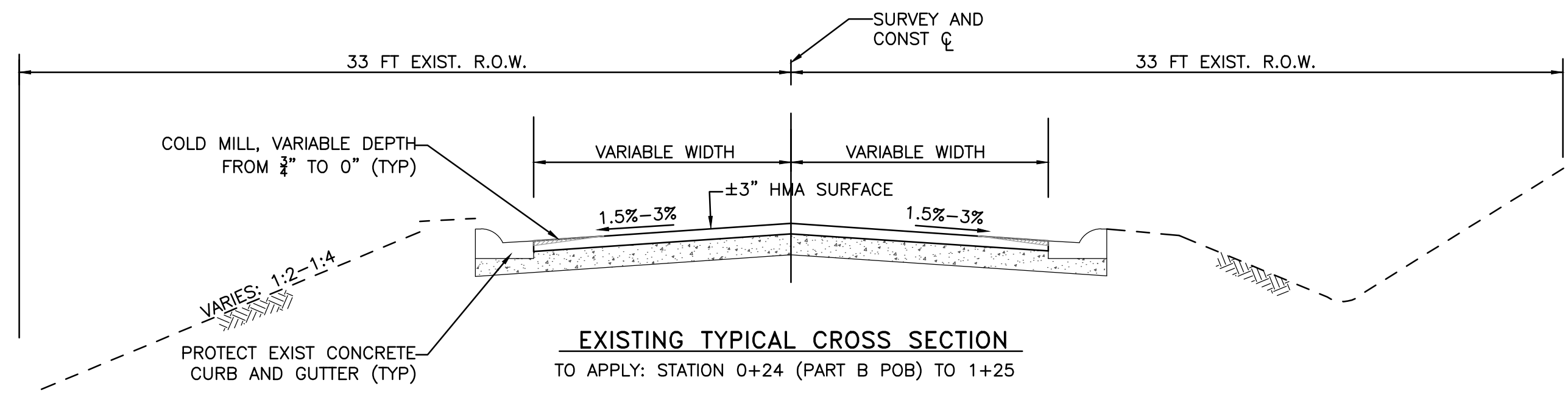
JOB NO:
ODW2022-03G

SHEET
C1.1

JOB NO: ODW2022.03G

LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS - NIINAATIG WAY ROAD CONSTRUCTION

PROJECT MANAGER: P. REPASKY
 C:\PWL\WORK\2101271852\PLT-TYPICAL SECTIONS NOTES AND DETAILS.DWG - C1.2 - PLOTTED 2/1/2024 2:48 PM BY REPASKY, PAUL



IDENTIFICATION	PAY ITEMS	AVE RATE PER SYD	PERFORMANCE GRADE	REMARKS
TOP COURSE (TOP)	HMA, ULTRA-THIN OVERLAY	85 LBS	64-22	AWI 220 (MIN.)
LEVELING COURSE (LEV)	HMA, HAND PATCHING	330 LBS	58-28	HMA, 4EL
HMA CURB	CURB SLOPED, HMA	85 LBS	64-22	HMA, ULTRA-THIN OVERLAY
0.11 TO 0.15 GAL/SYD HMA BOND COAT AS DIRECTED BY THE ENGINEER. NOT A PAY ITEM.				

REV#	DATE	DESCRIPTION	BY

6540 OLUS 27 S, Suite 1
 PO Box 618
 Gaylord, MI 49734
 www.wadetrims.com

LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS
7500 ODAWA CIRCLE, HARBOR SPRINGS
 PART A: NIINAATIG WAY ROAD CONSTRUCTION
 TYPICAL SECTIONS,
 AND CONSTRUCTION NOTES

ISSUED FOR: DATE: BY:
 Final Review 08/21/23 PMR
 QC Review 11/01/23 PMR
 Final Review 11/16/23 PMR
 Bidding 02/01/24 PMR

JOB NO:
ODW2022-03G

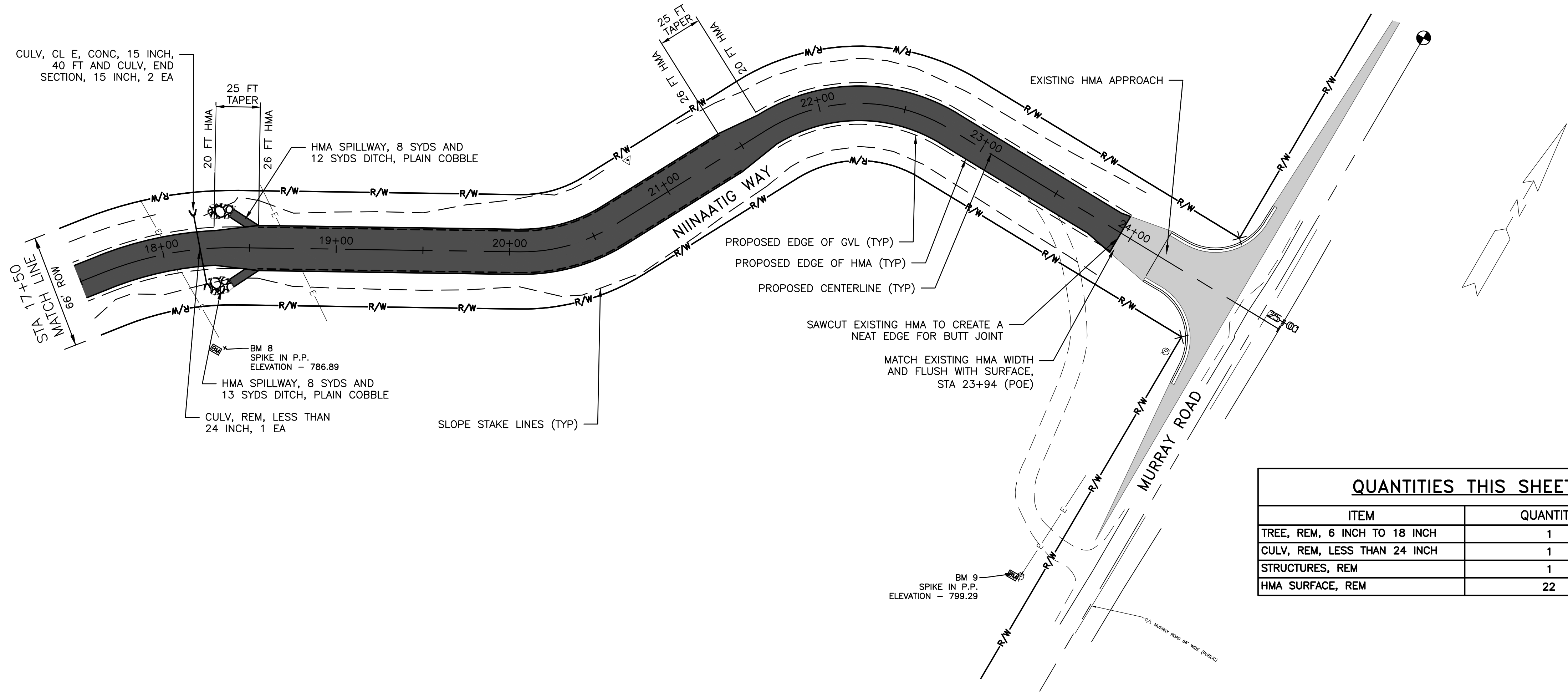
SHEET
C1.2

JOB NO: ODW2022.03G

LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS - NIINAATIG WAY ROAD CONSTRUCTION

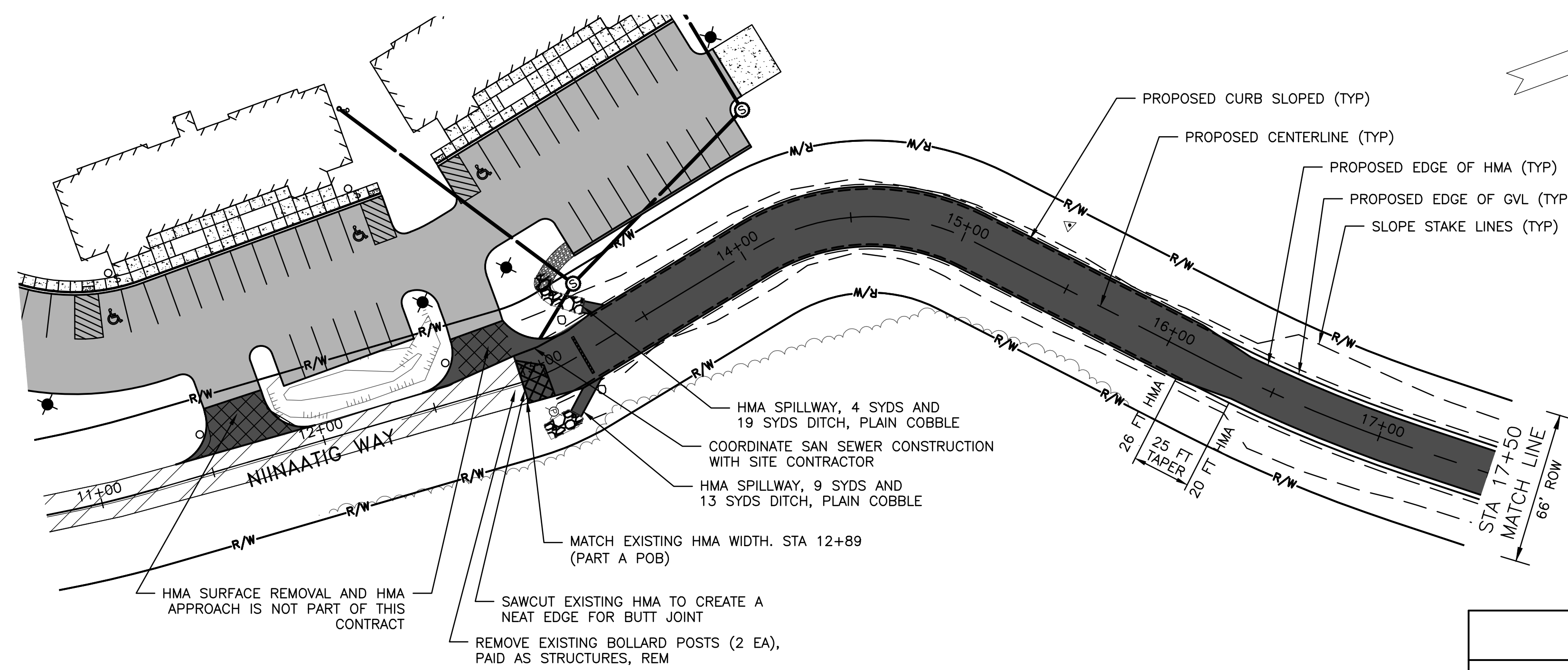
© Wade Trim Group, Inc.

PROJECT MANAGER: P. REPASKY
 C:\PW_WORK\2\12171852\PLT-NINAAATIG WAY-PLAN AND PROFILE.DWG - C2.0 - PLOTTED 2/1/2024 2:58 PM BY REPASKY, PAUL



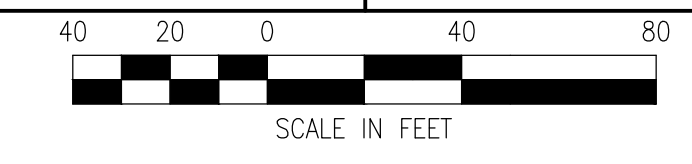
QUANTITIES THIS SHEET (REMOVALS)

ITEM	QUANTITY	UNIT
TREE, REM, 6 INCH TO 18 INCH	1	EA
CULV, REM, LESS THAN 24 INCH	1	EA
STRUCTURES, REM	1	LSUM
HMA SURFACE, REM	22	SYD



QUANTITIES THIS SHEET (CONSTRUCTION)

ITEM	QUANTITY	UNIT
CULV END SECTION, 15 INCH	2	EA
CULV, CL E, CONC, 15 INCH	40	FT
DR STRUCTURE COVER ADJ, CASE 1	1	EA
DITCH, PLAIN COBBLE	57	SYD
HMA, SPILLWAY	29	SYD



REV#	DATE	DESCRIPTION	BY

1541 CULV 15 27 S. Scale 1
 PO Box 118
 Grand Haven, MI 49424
 616.732.3588
 www.wadetrims.com

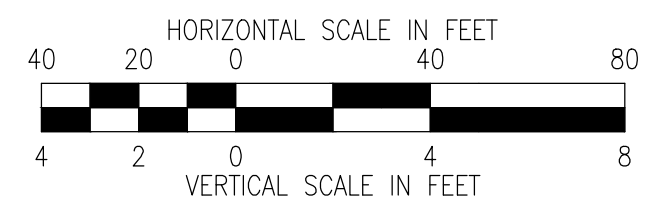
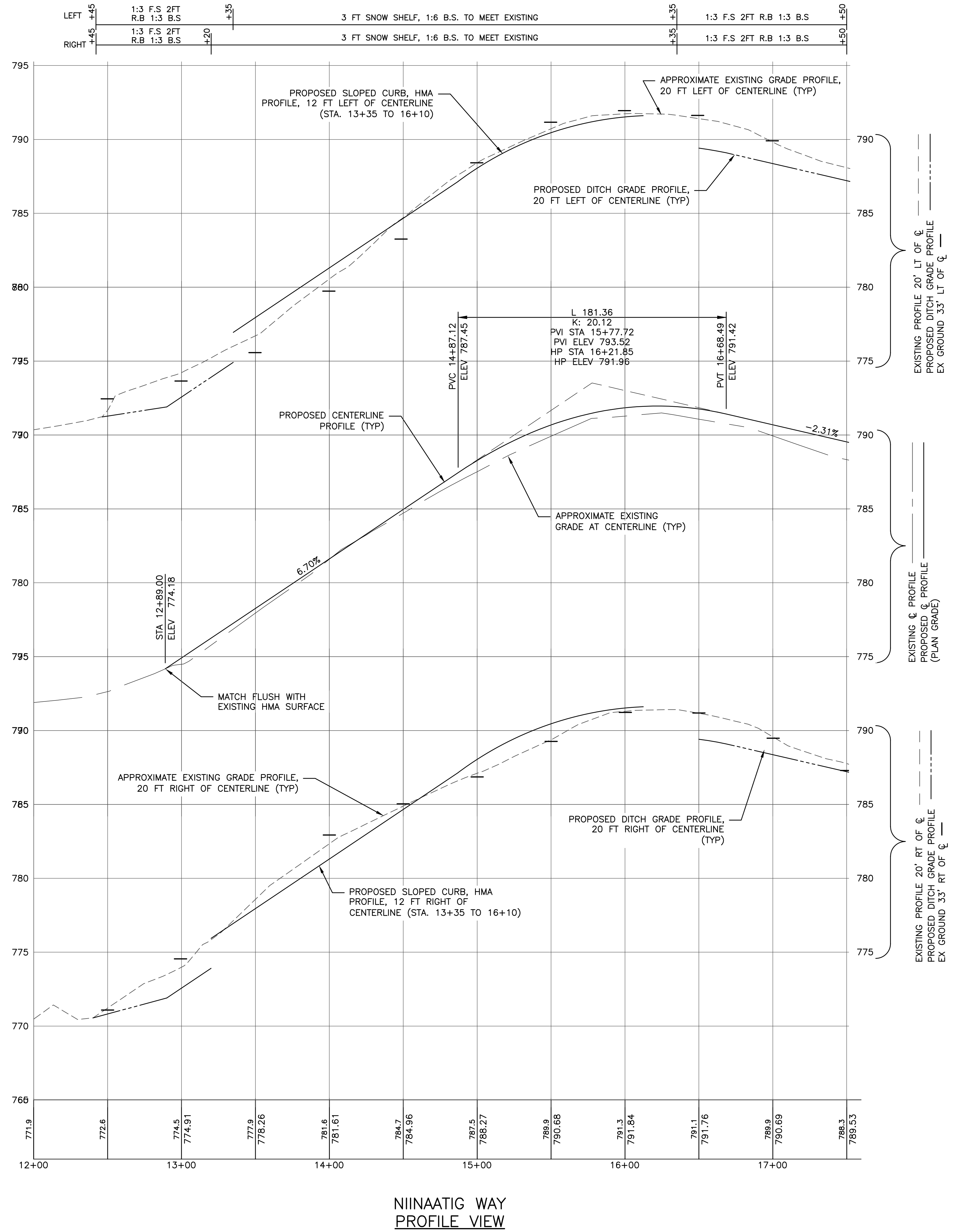
**LITTLE TRAVERSE BAY BANDS
 OF ODAWA INDIANS
 7500 ODAWA CIRCLE, HARBOR SPRINGS**
 PART A: NINAAATIG WAY ROAD CONSTRUCTION
 REMOVAL AND CONSTRUCTION PLAN VIEWS
 STA 12+89 (P.O.B.) TO STA. 23+94 (POE)
 BAY BANDS OF ODAWA INDIANS - NINAAATIG WAY AND PARKING AREAS, PART B: HMA, ULTRA-THIN OVERLAY

ISSUED FOR: DATE: BY:

Final Review	08/21/23	PMR
OC Review	11/01/23	PMR
Final Review	11/16/23	PMR
Bidding	02/01/24	PMR

JOB NO:
 ODW2022-03G
 SHEET
C2.0

PROJECT MANAGER: P. REPASKY
 C:\PW_WORK\2\1271852\PLT-NIINAATIC WAY-PLAN AND PROFILE.DWG - C2.1 - PLOTTED 2/1/2024 2:59 PM BY REPASKY, PAUL



REV#	DATE	DESCRIPTION	BY

151 CH 1527 S. Suite 1
 PO Box 818
 Grand, MI 49724
 866.732.3581
 www.wadetrims.com

LITTLE TRAVERSE BAY BANDS
OF ODAWA INDIANS
7500 ODAWA CIRCLE, HARBOR SPRINGS
 PART A: NIINAATIC WAY ROAD CONSTRUCTION
 PROFILE VIEW
 STA 12+89 (P.O.B.) TO STA. 17+50

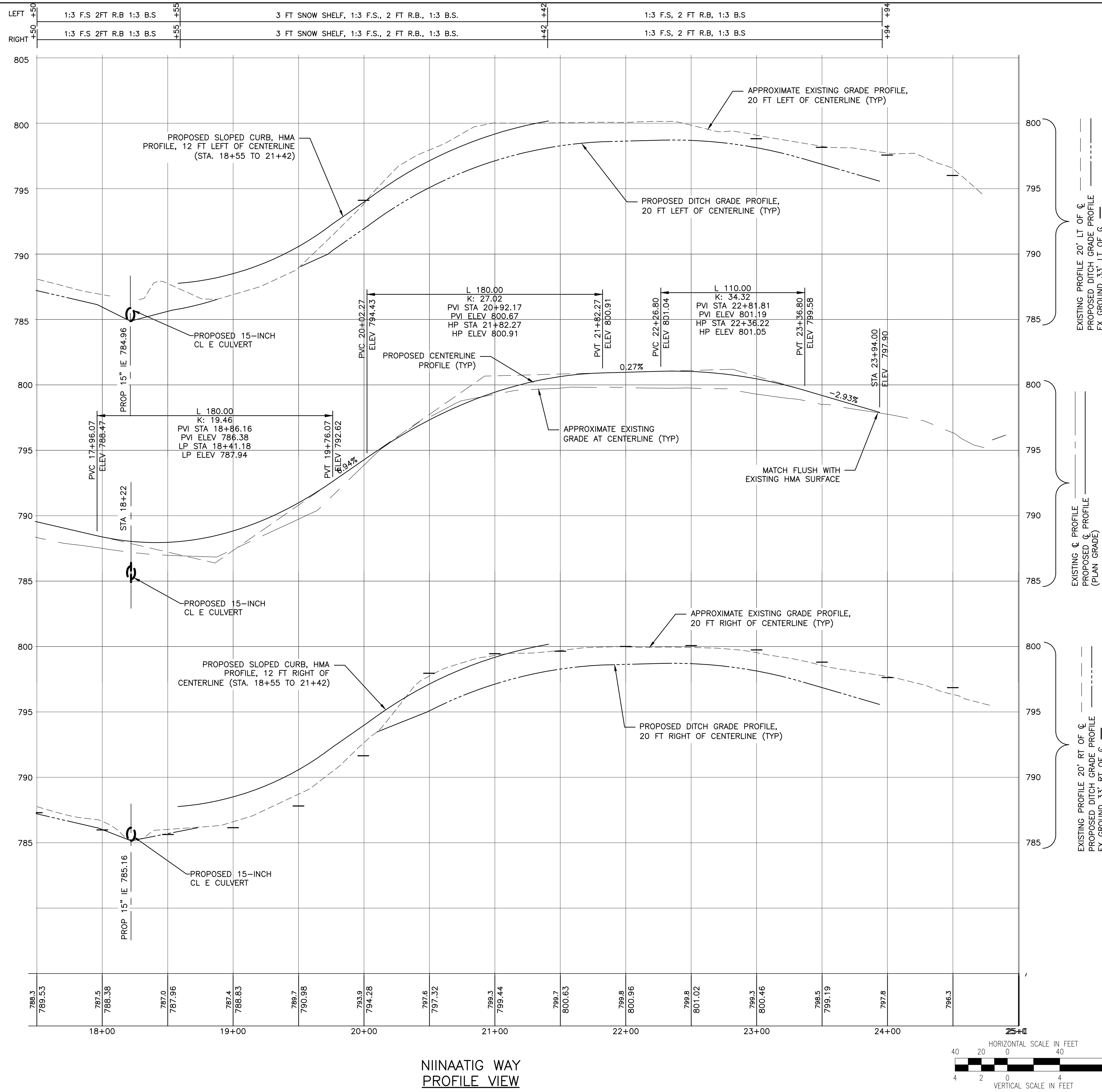
ISSUED FOR:	DATE:	BY:
Final Review	08/21/23	PMR
OC Review	11/01/23	PMR
Final Review	11/16/23	PMR
Bidding	02/01/24	PMR

JOB NO.
ODW2022-03G

SHEET
C2.1

LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS - NIINAATIC WAY AND PARKING AREAS, PART A: ROAD CONSTRUCTION AND PART B: HMA, ULTRA-THIN OVERLAY
 © Wade Trim, Inc. JOB NO: ODW2022-03G

PROJECT MANAGER: P. REPASKY
 C:\PW_WORK\2\1271852\PLT-NIINAATIC WAY-PLAN AND PROFILE.DWG - C2.2 - PLOTTED 2/1/2024 3:00 PM BY REPASKY, PAUL



REV#	DATE	DESCRIPTION	BY

1510 CHLIS 27 S. Suite 1
 PO Box 118
 Grand Haven, MI 49424
 616.732.3588
 www.wadetrims.com

LITTLE TRAVERSE BAY BANDS
OF ODAWA INDIANS
7500 ODAWA CIRCLE, HARBOR SPRINGS
 PART A: NIINAATIC WAY ROAD CONSTRUCTION
 PROFILE VIEW
 STA 12+00 (P.O.B.) TO STA. 17+50
 LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS - NIINAATIC WAY AND PARKING AREAS, PART A: ROAD CONSTRUCTION AND PART B: HMA, ULTRA-THIN OVERLAY

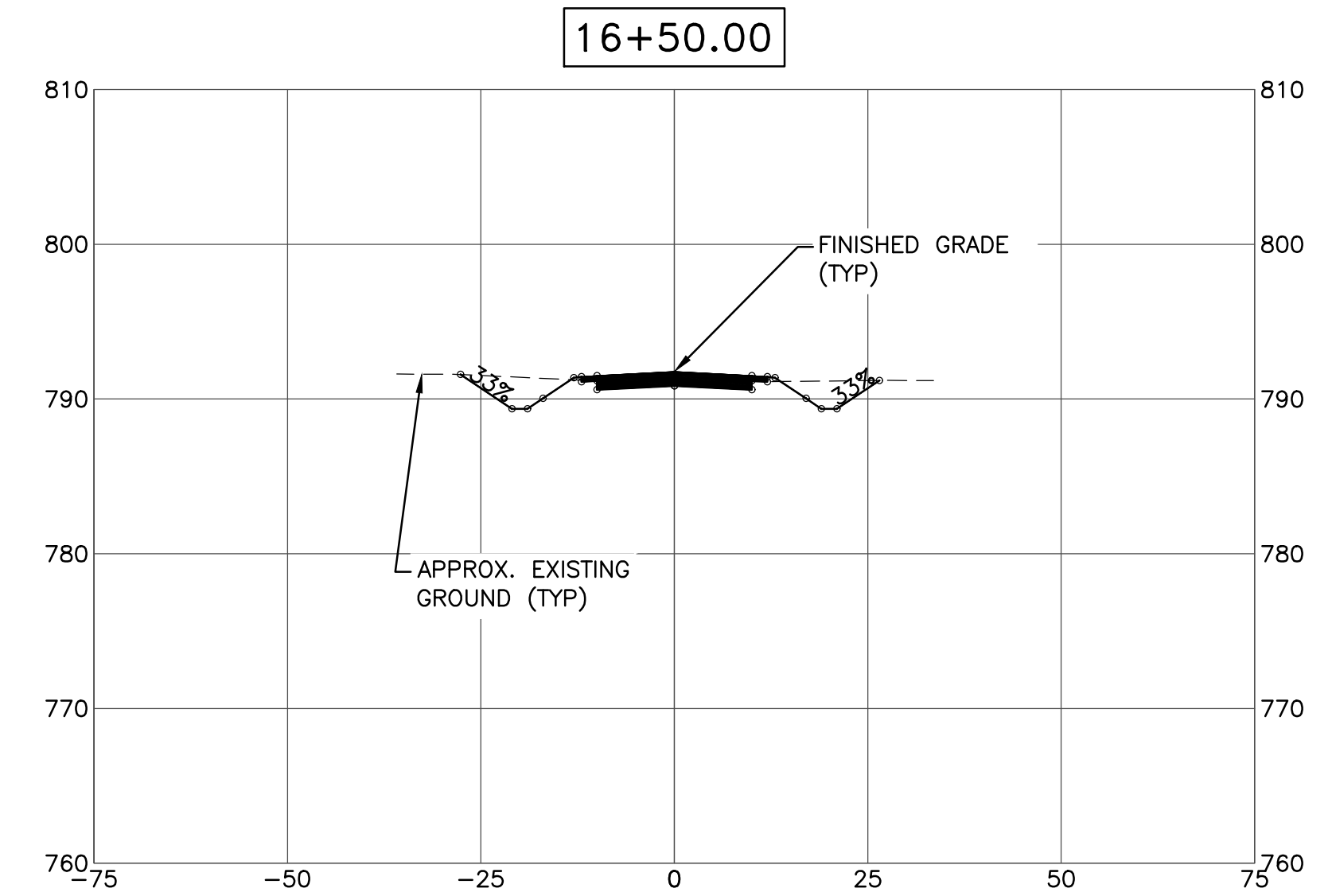
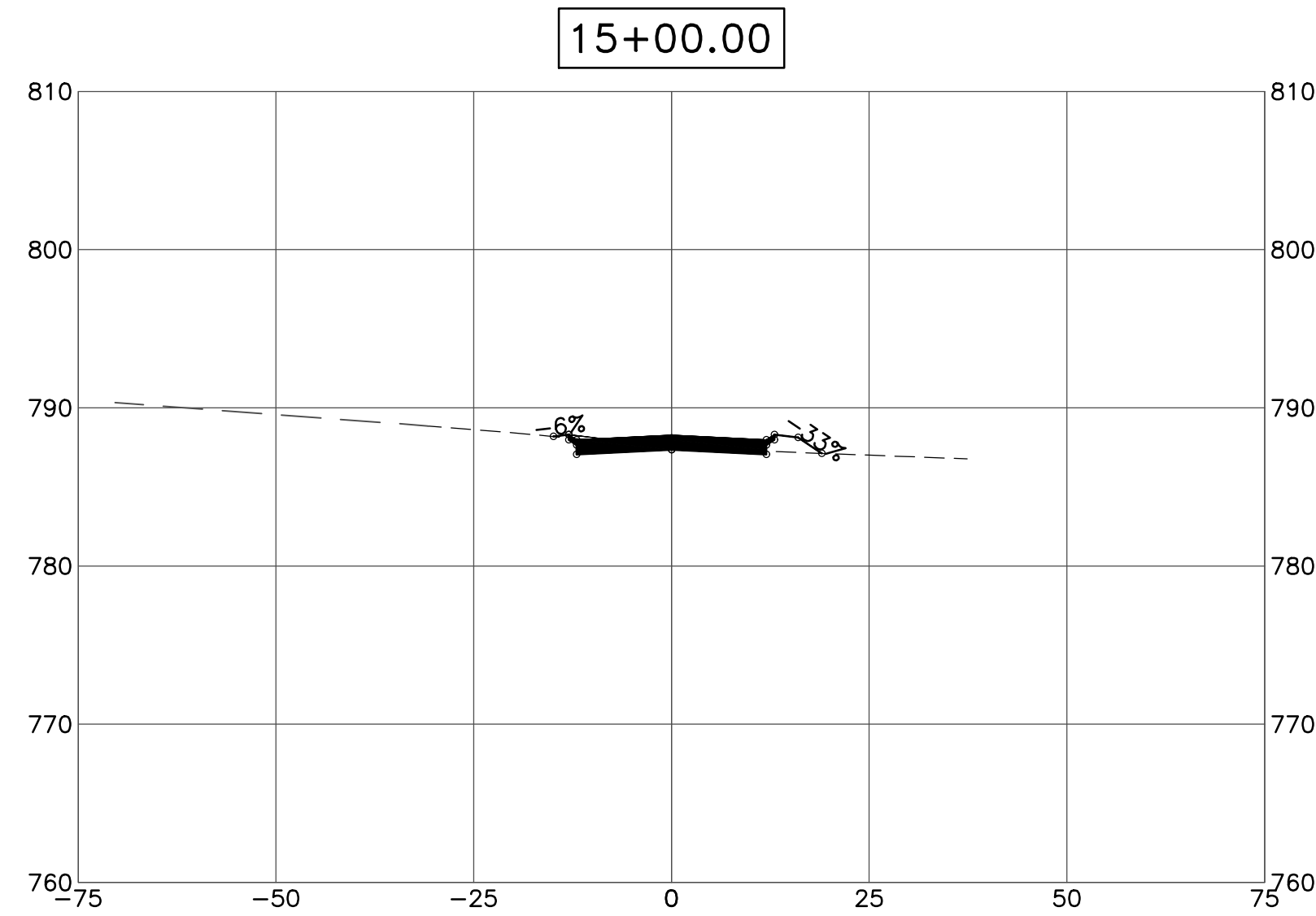
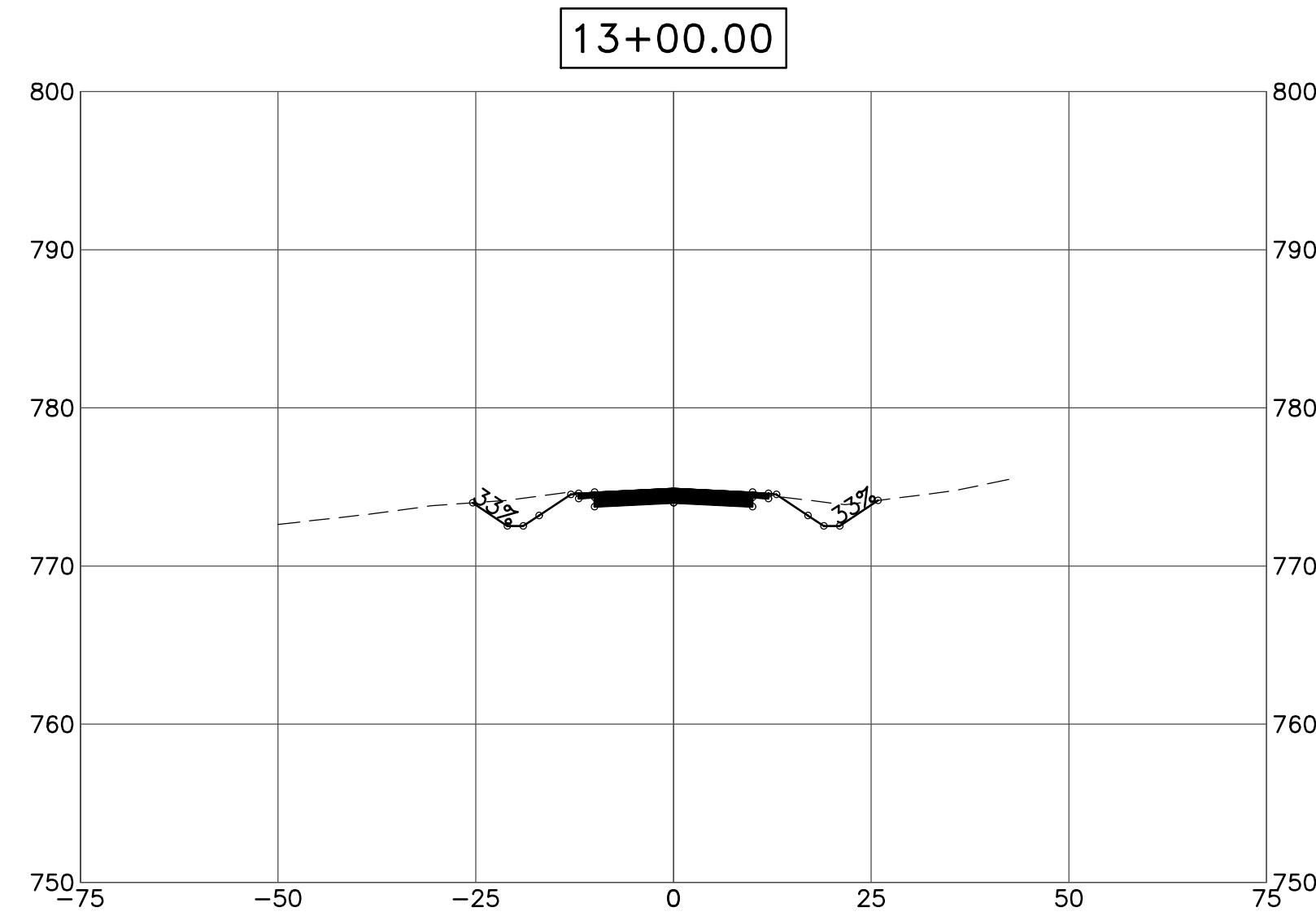
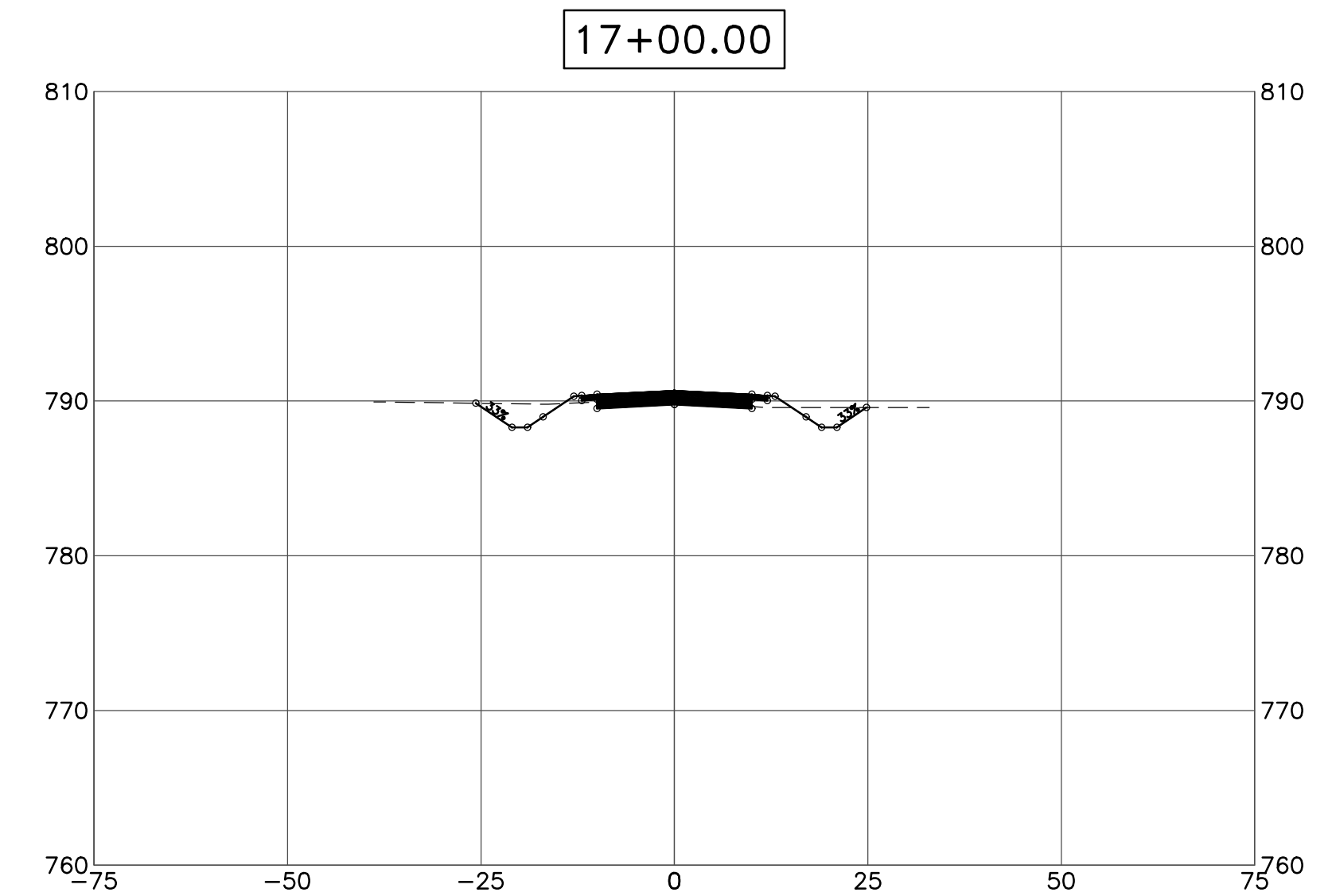
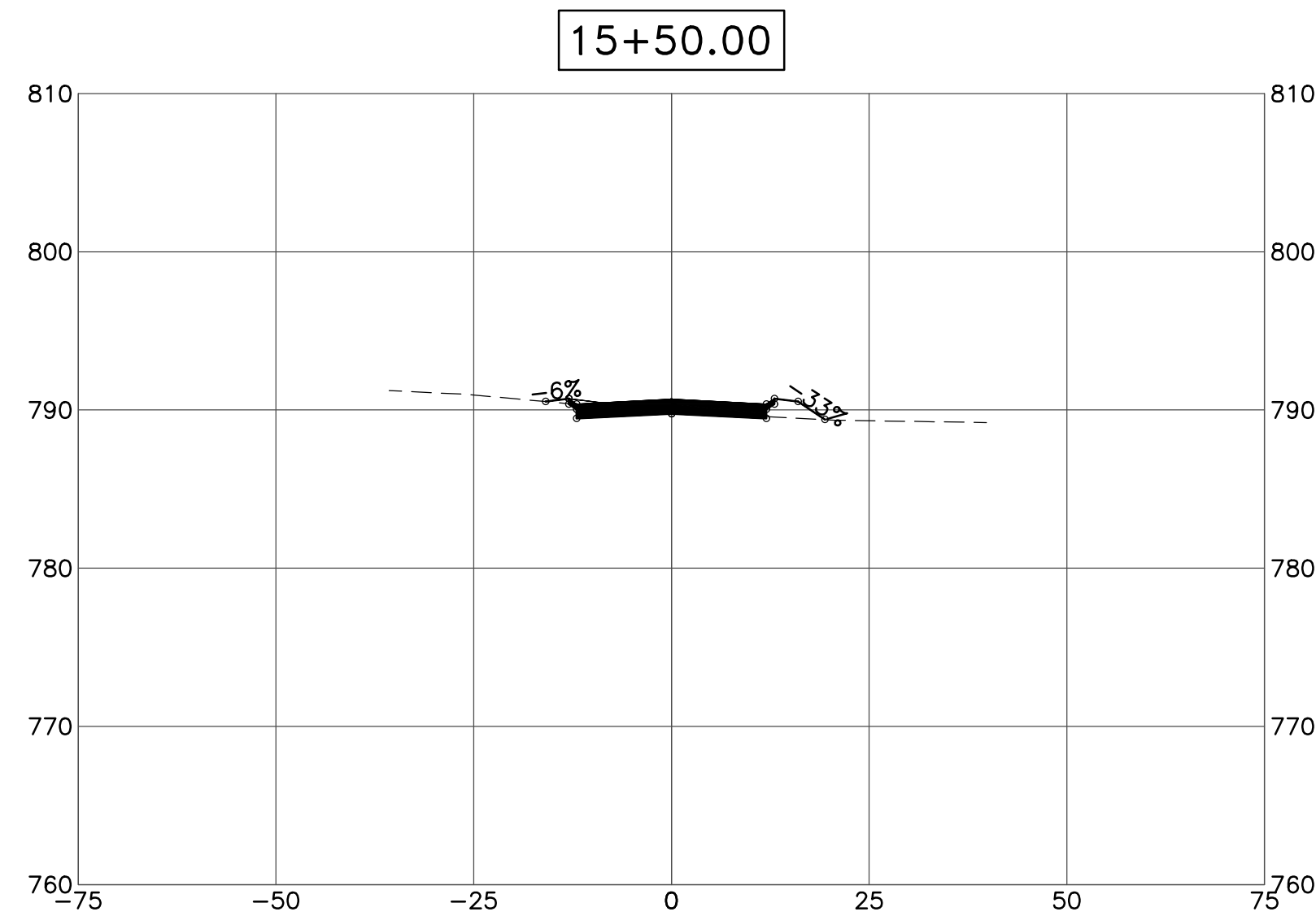
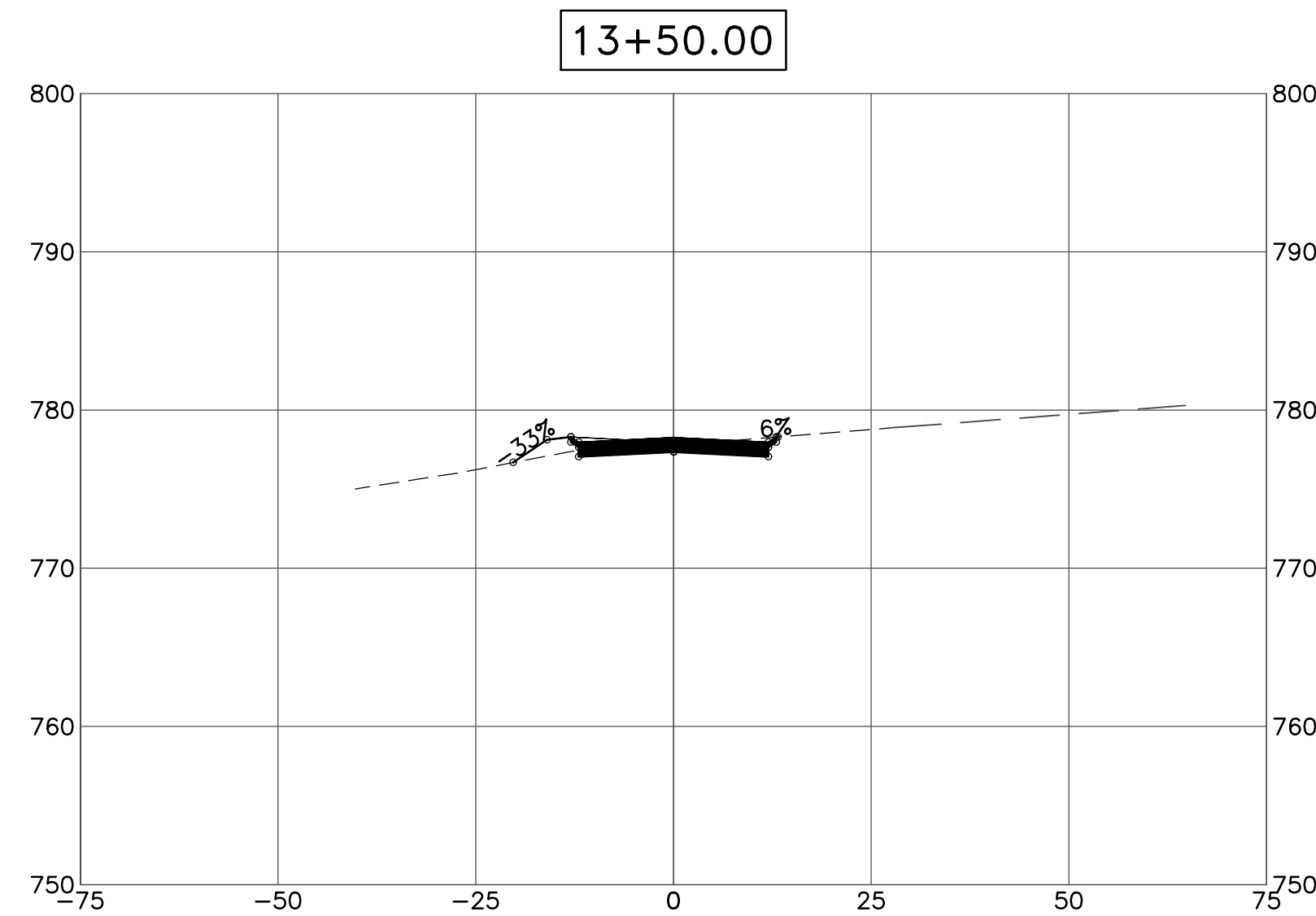
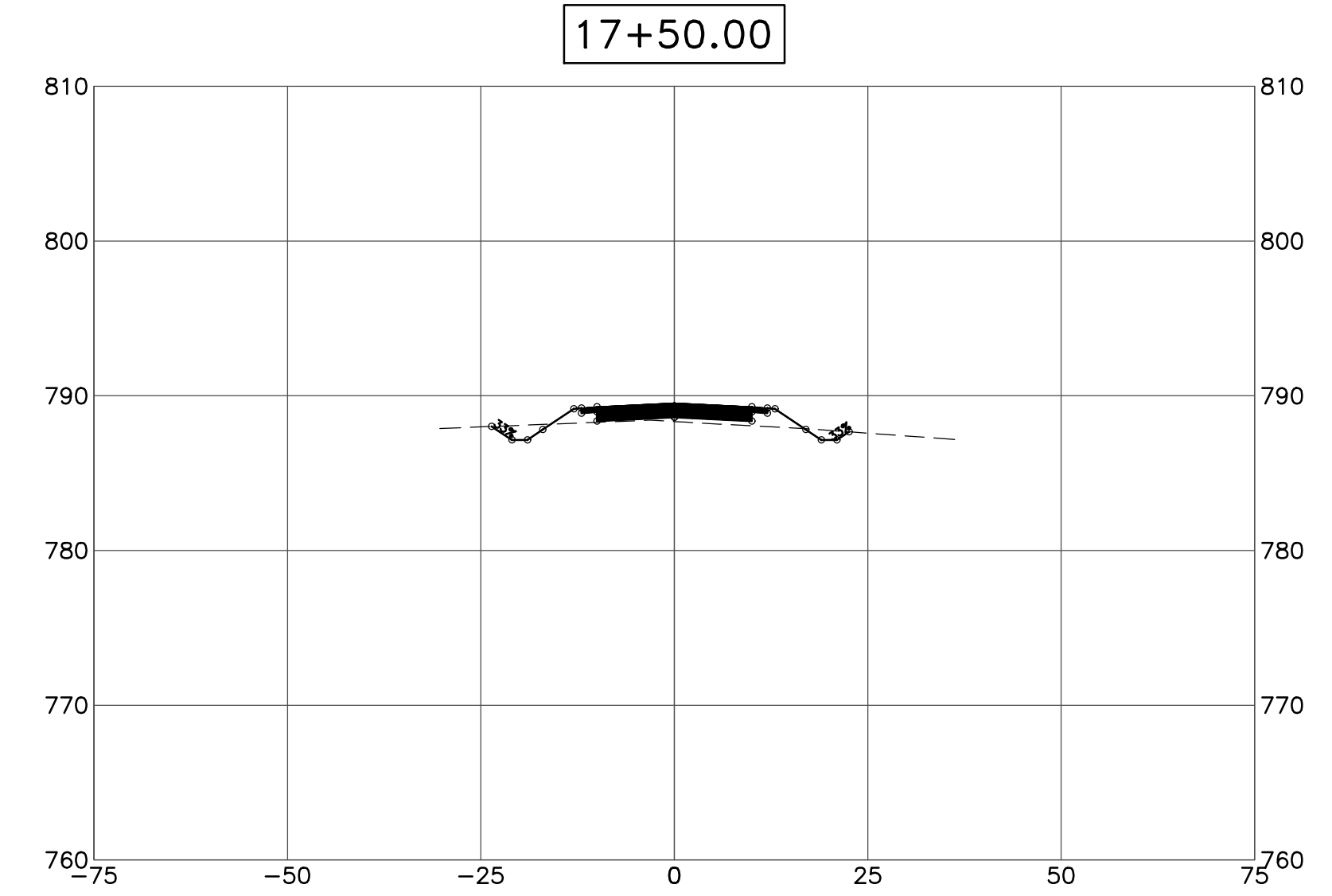
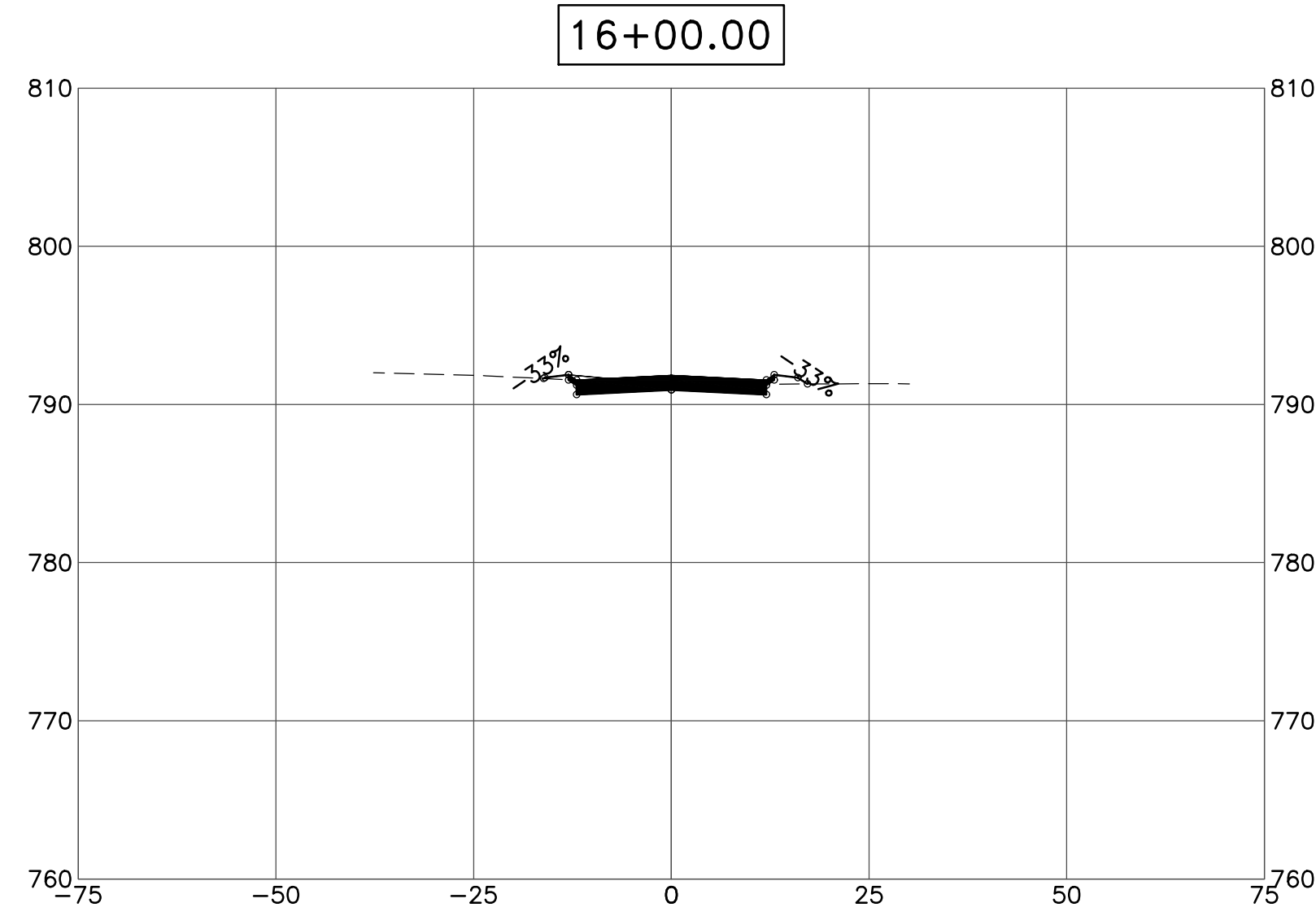
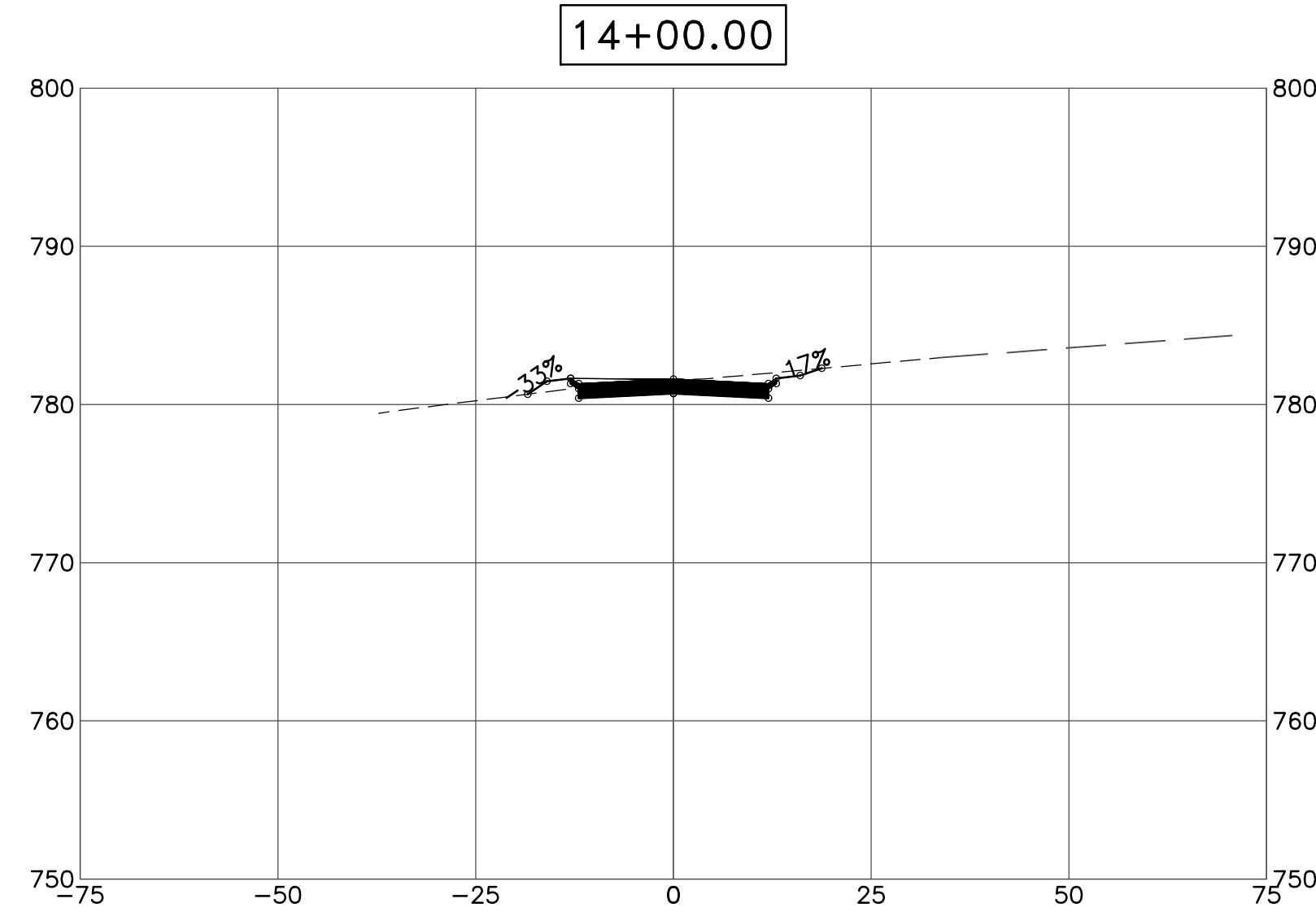
ISSUED FOR:	DATE:	BY:
Final Review	08/21/23	PMR
OC Review	11/01/23	PMR
Final Review	11/16/23	PMR
Bidding	02/01/24	PMR

JOB NO:
ODW2022-03G

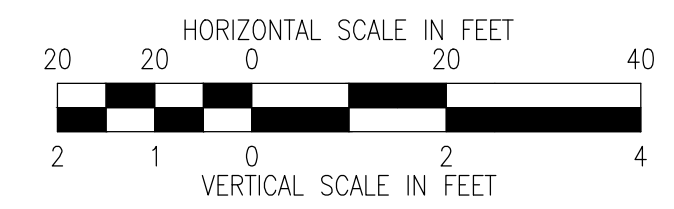
SHEET
C2.2

© Wade Trim, Inc.

PROJECT MANAGER: P. REPASKY
 C:\PW_WORK\2\1271852\PLT-NIINAATIG WAY-PLAN AND PROFILE.DWG - C3.0 - PLOTTED 2/1/2024 3:01 PM BY REPASKY, PAUL



NIINAATIG WAY
 SECTION VIEWS



REV#	DATE	DESCRIPTION	BY

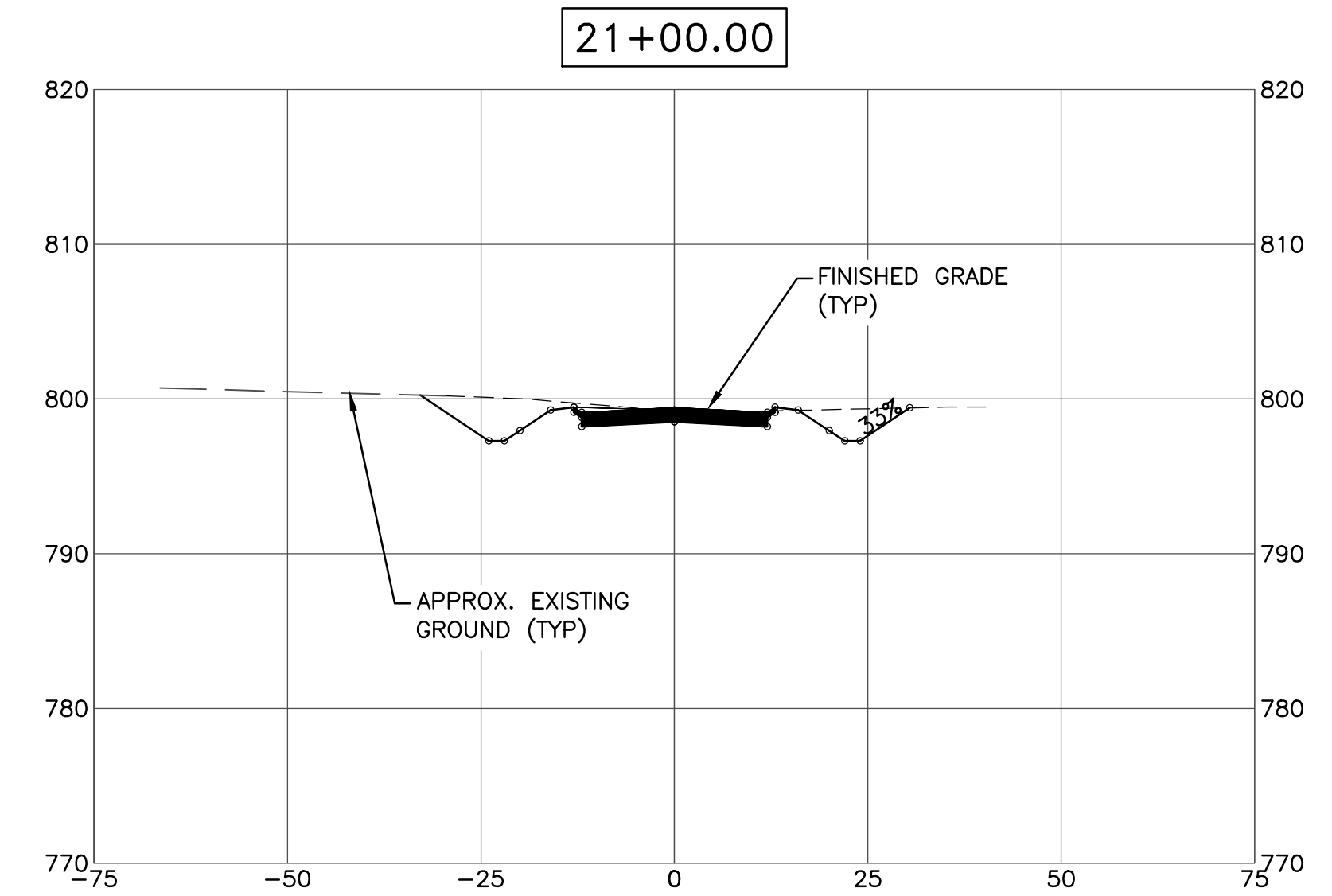
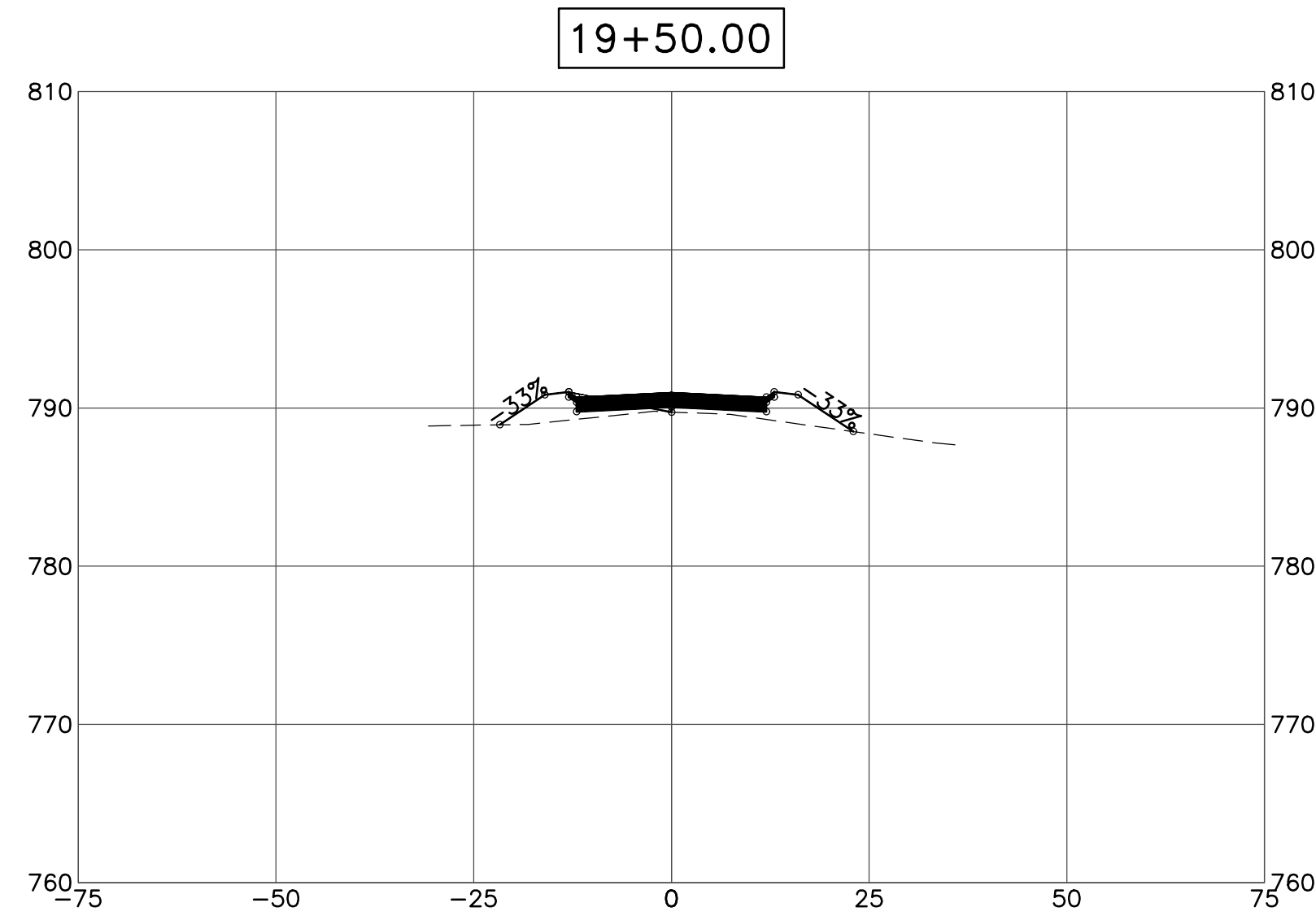
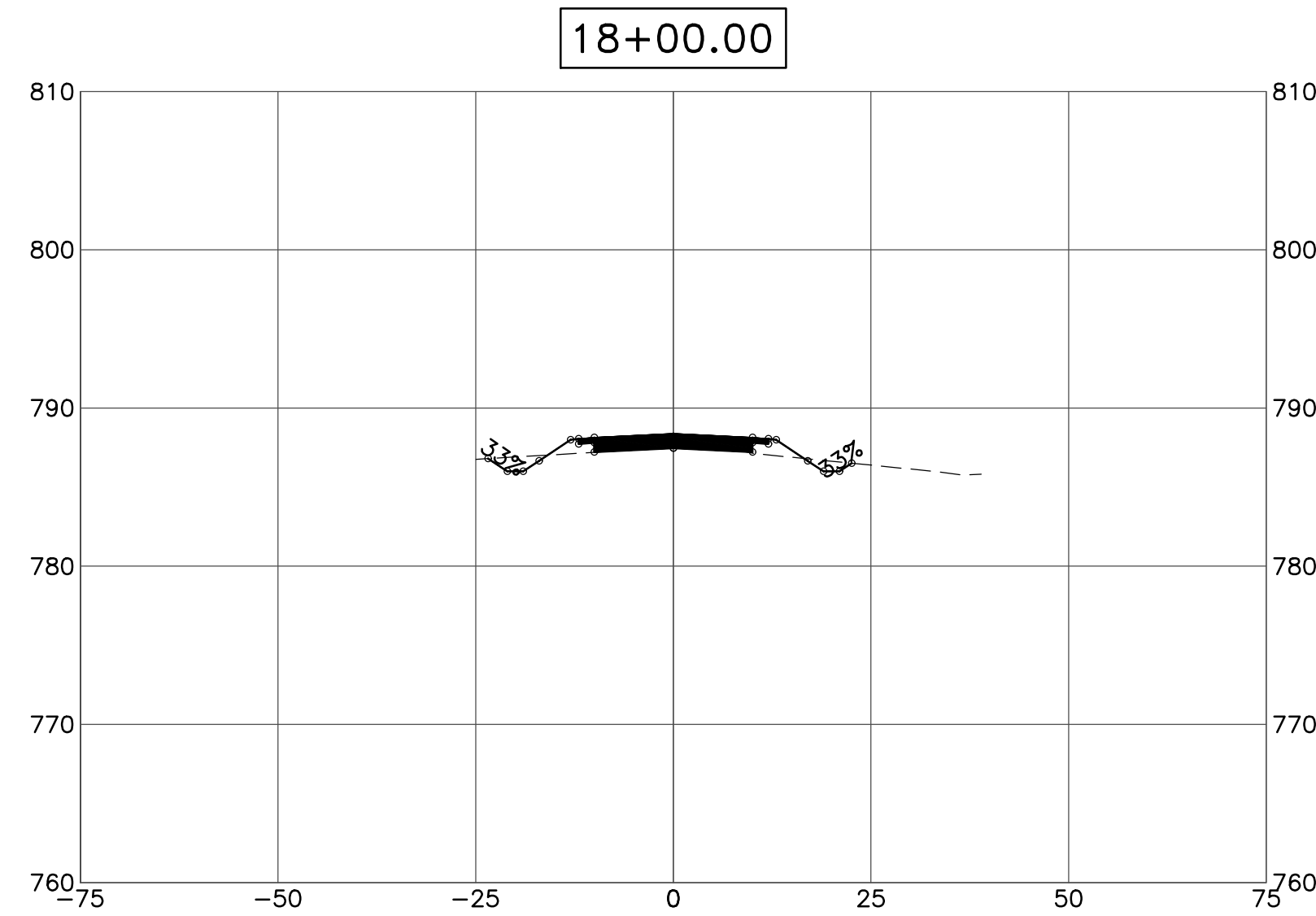
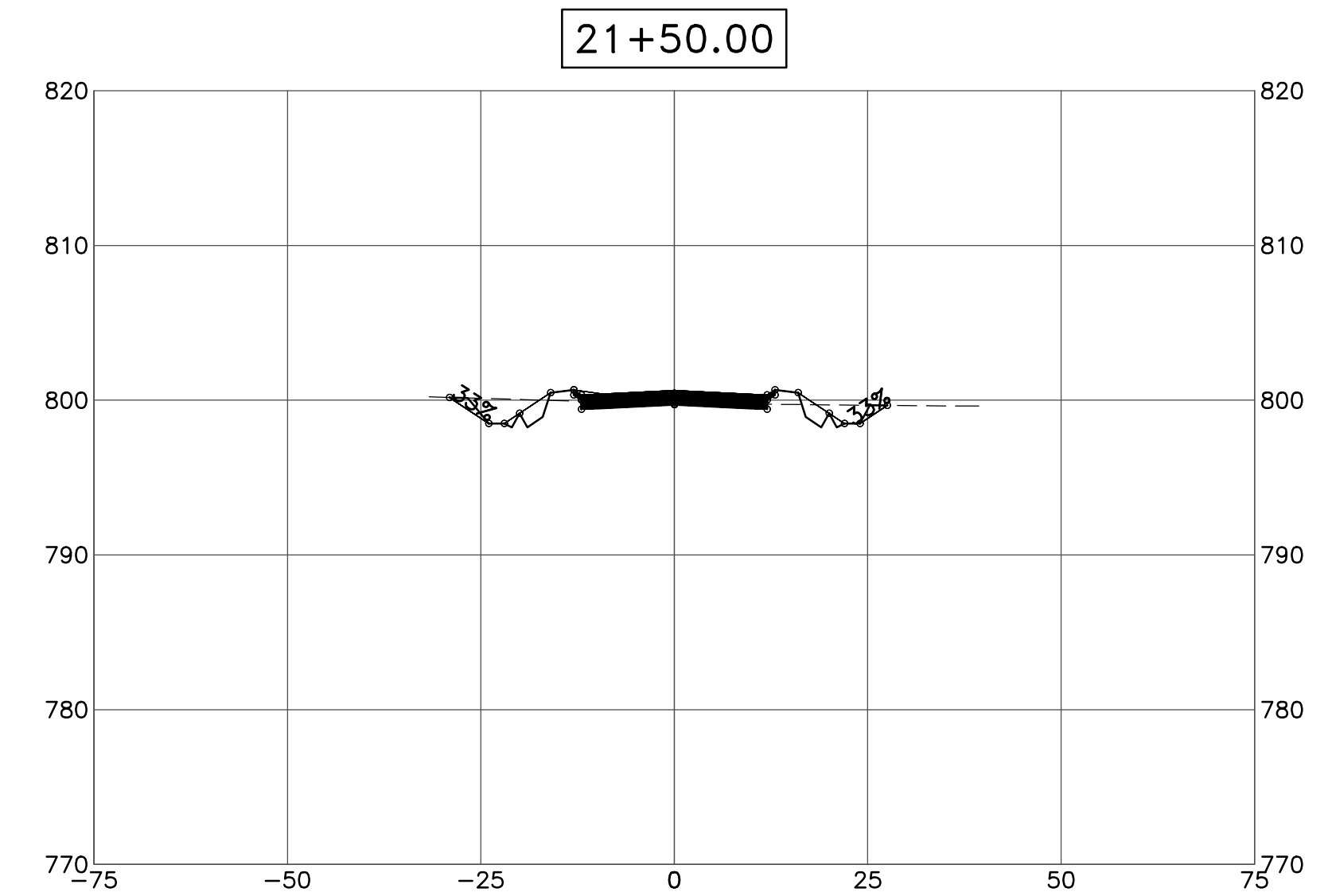
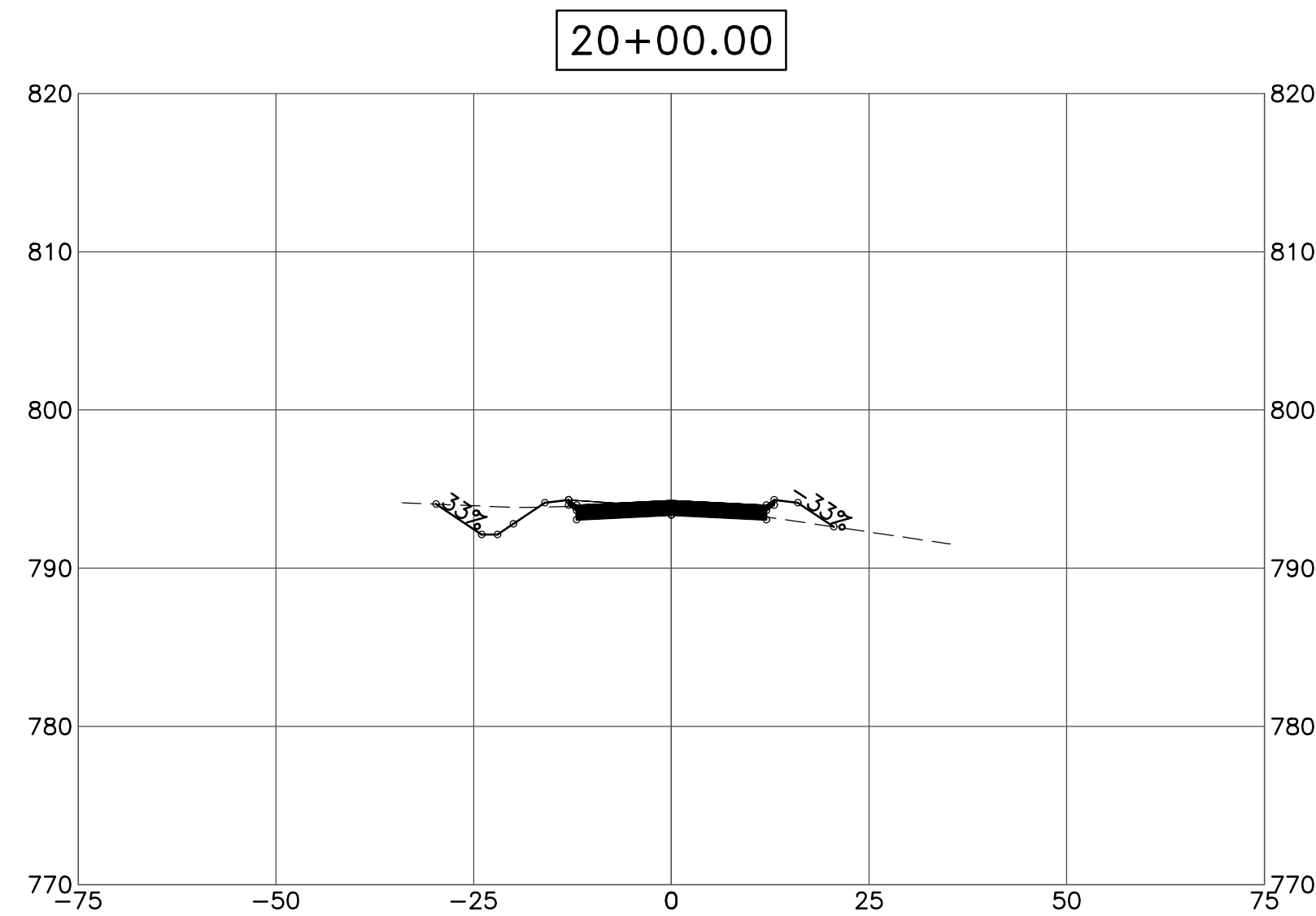
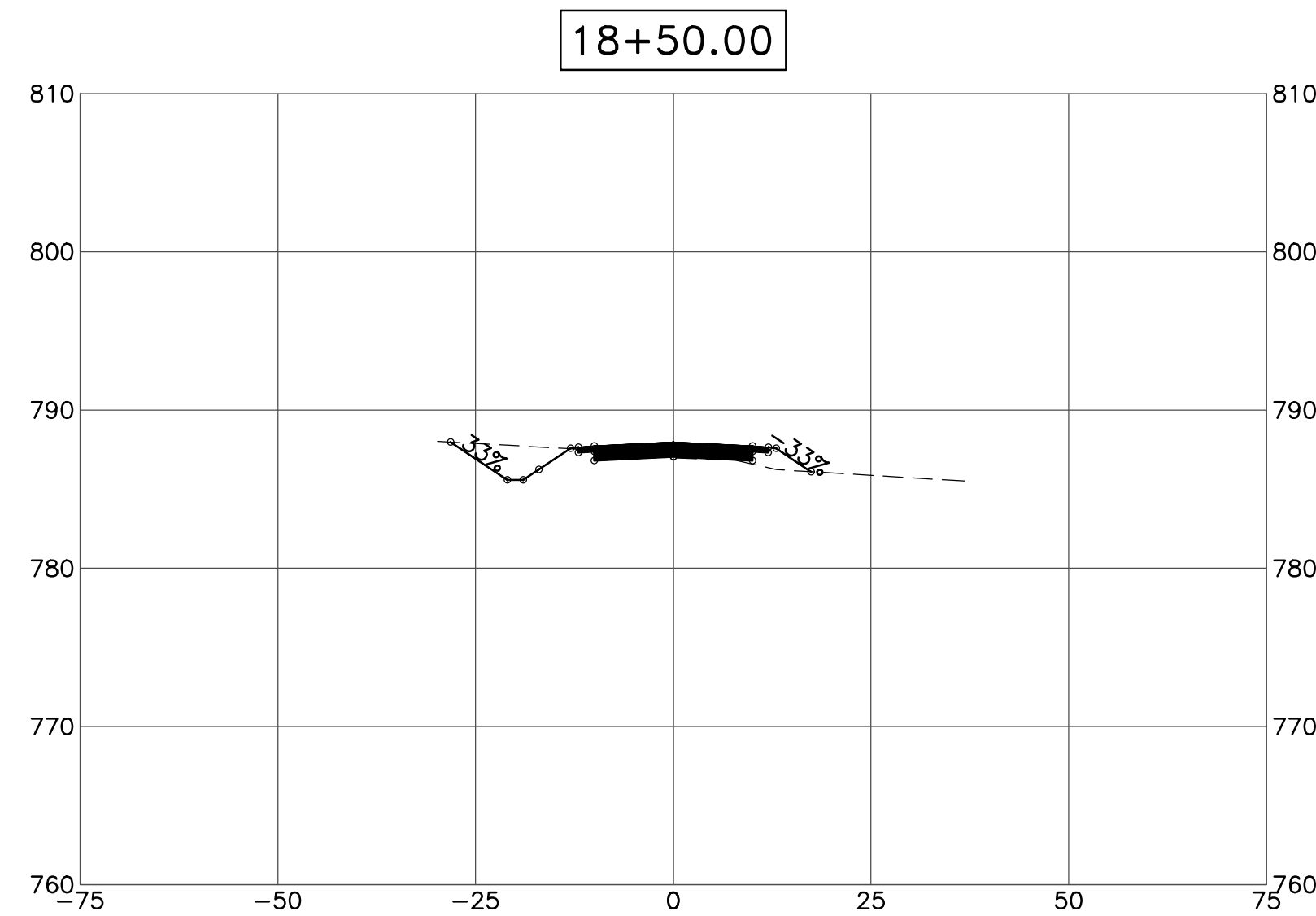
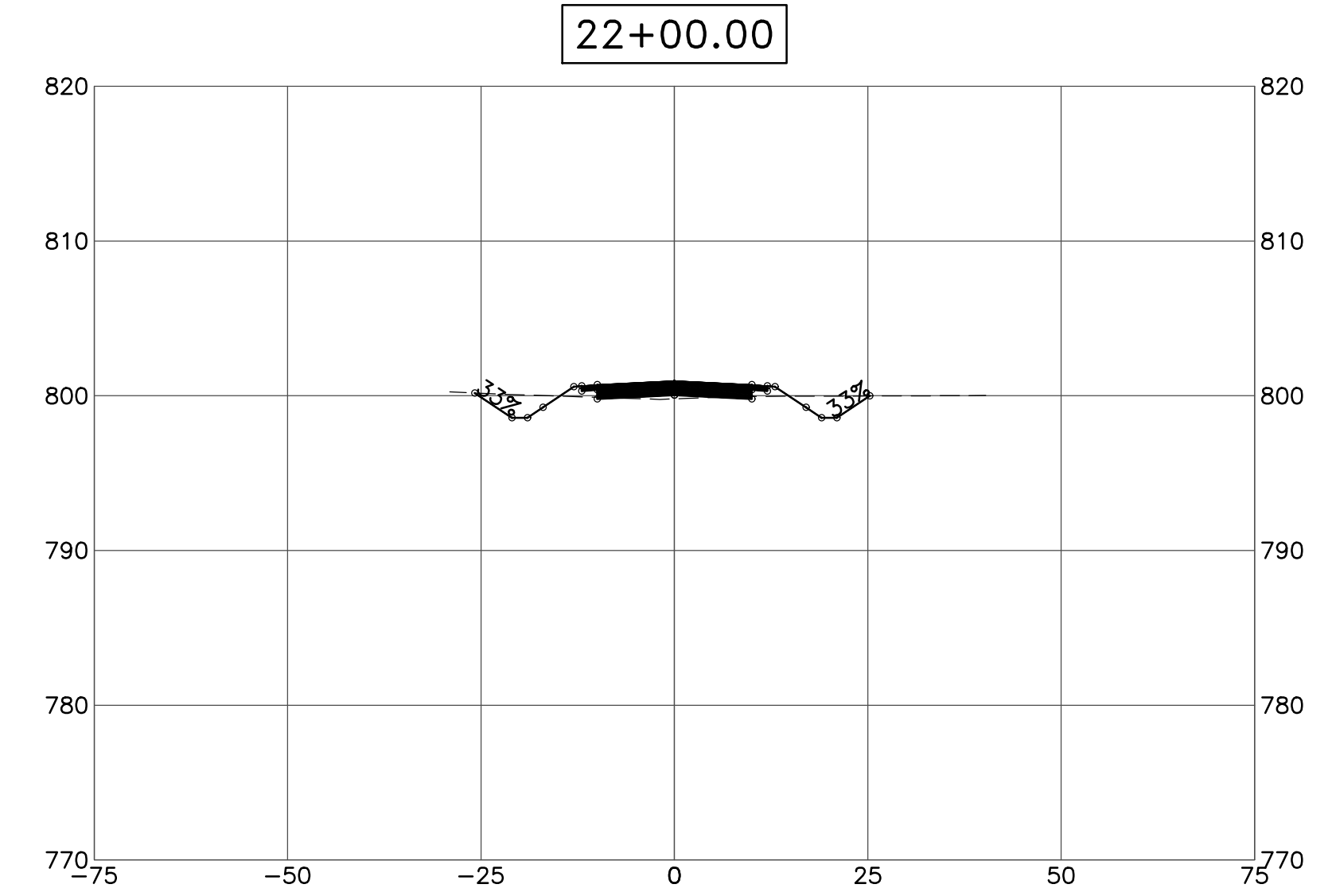
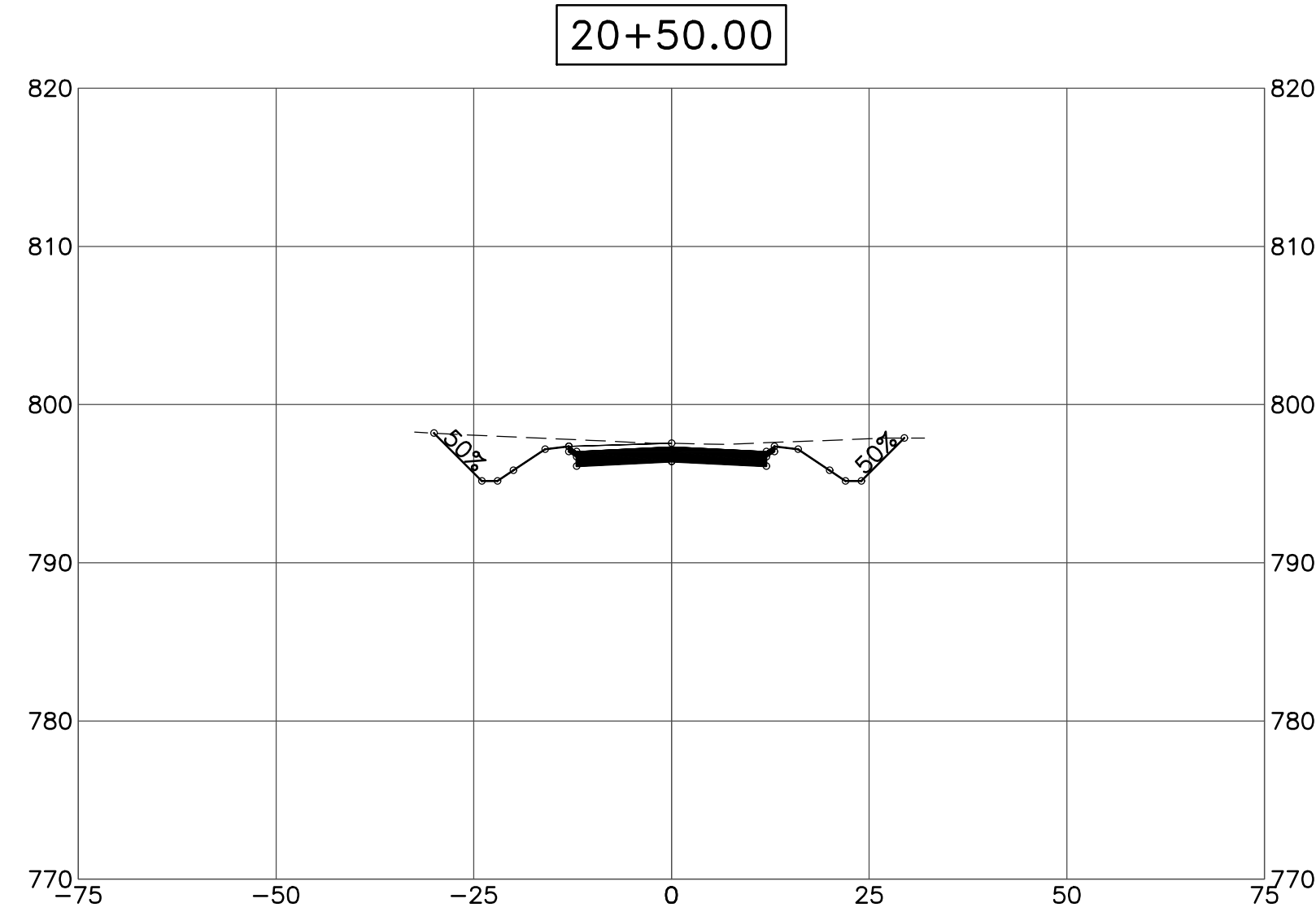
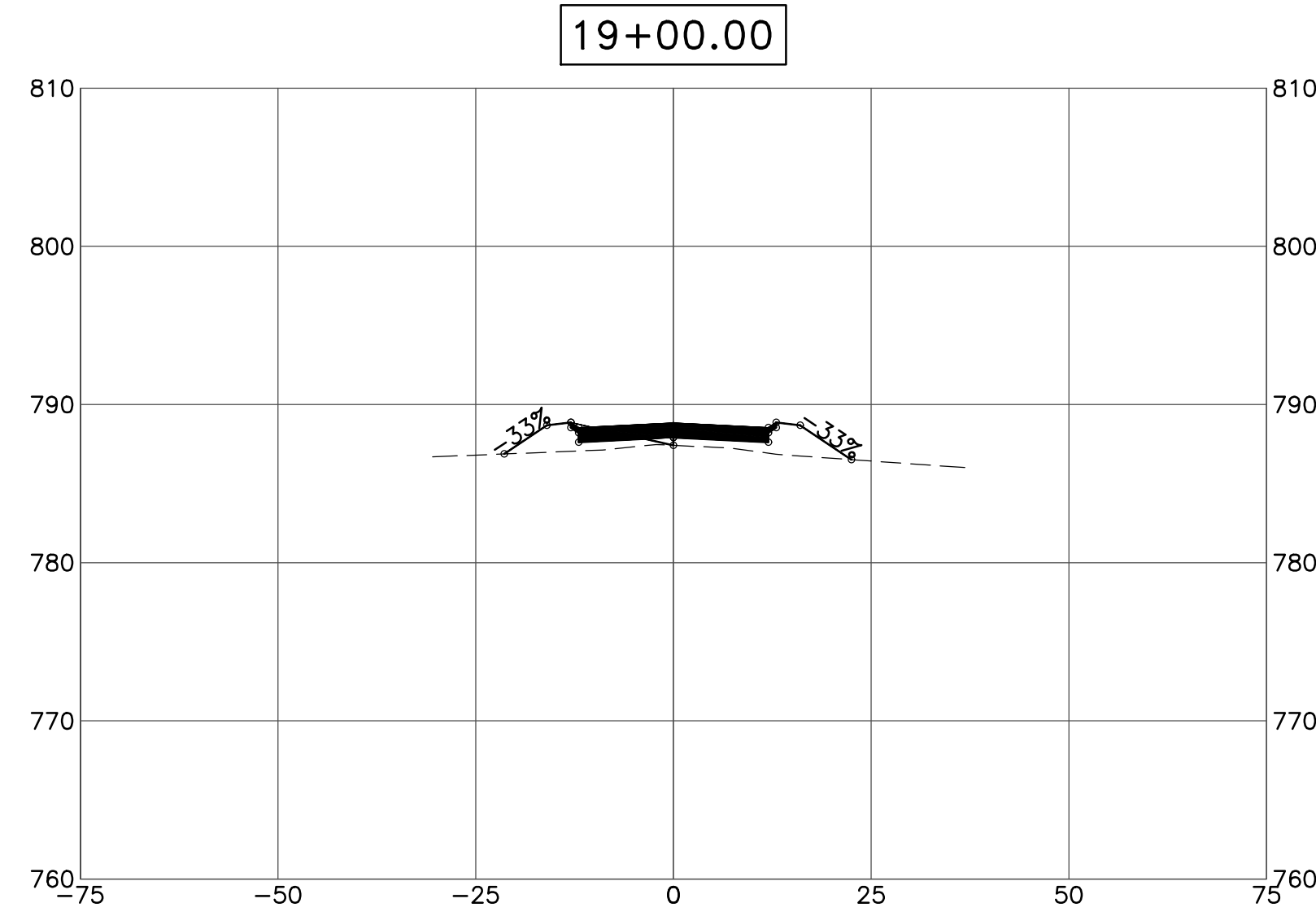
1541 CHL 15 27 S. Suite 1
 PO Box 118
 Grand Haven, MI 49424
 616.732.3588
 www.wadetrims.com

LITTLE TRAVERSE BAY BANDS
 OF ODAWA INDIANS
 7500 ODAWA CIRCLE, HARBOR SPRINGS
 PART A: NIINAATIG WAY ROAD CONSTRUCTION
 SECTION VIEWS
 STA 13+00 TO STA. 17+50
 LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS - NIINAATIG WAY AND PARKING AREAS, PART B: HMA, ULTRA-THIN OVERLAY

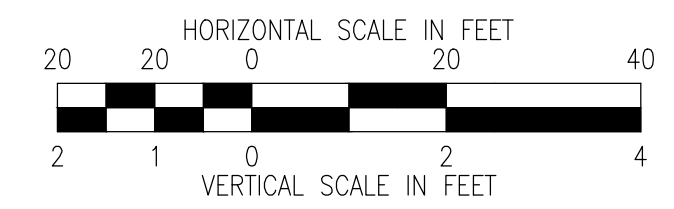
ISSUED FOR:	DATE:	BY:
Final Review	08/21/23	PMR
OC Review	11/01/23	PMR
Final Review	11/16/23	PMR
Bidding	02/01/24	PMR

JOB NO.
 ODW2022-03G
 SHEET
C3.0

PROJECT MANAGER: P. REPASKY
 C:\PW_WORK\2\12171852\PLT-NIINAATIG WAY-PLAN AND PROFILE.DWG - C3.1 - PLOTTED 2/1/2024 3:03 PM BY REPASKY, PAUL



NIINAATIG WAY
 SECTION VIEWS



REV#	DATE	DESCRIPTION	BY

1541 CHL 15 27 S. Suite 1
 PO Box 118
 Grand MI 49724
 866.732.3588
 www.wadetrims.com

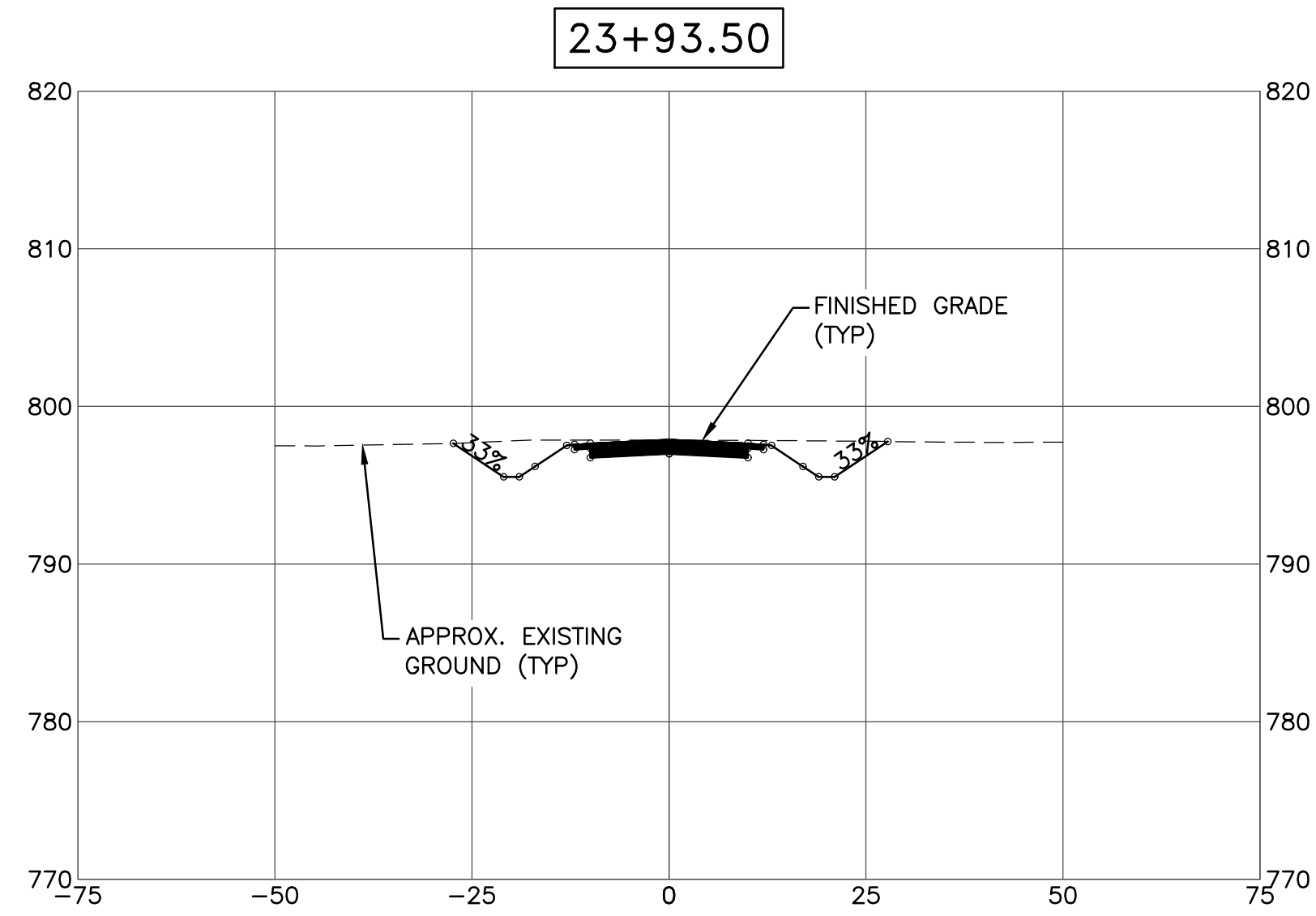
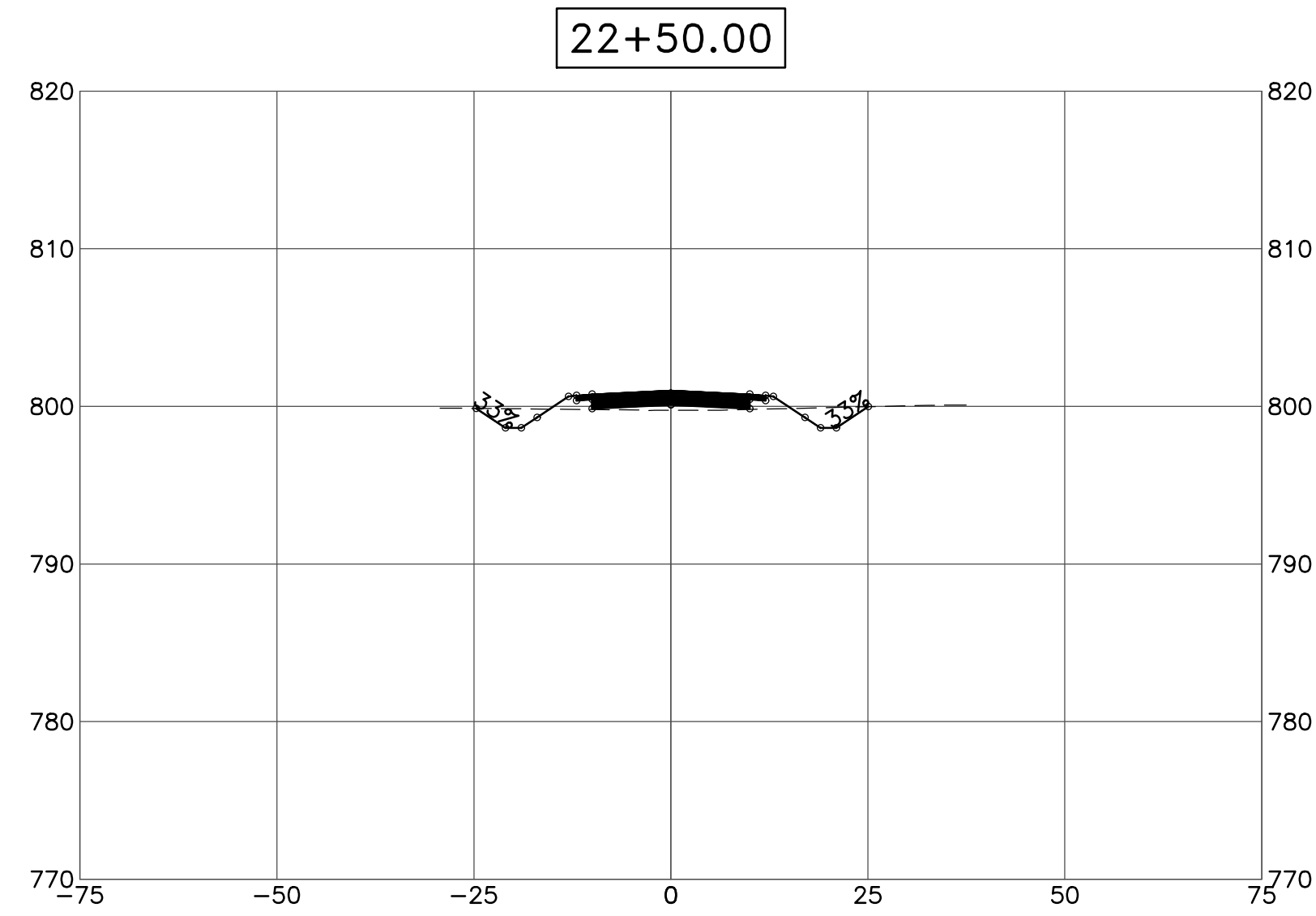
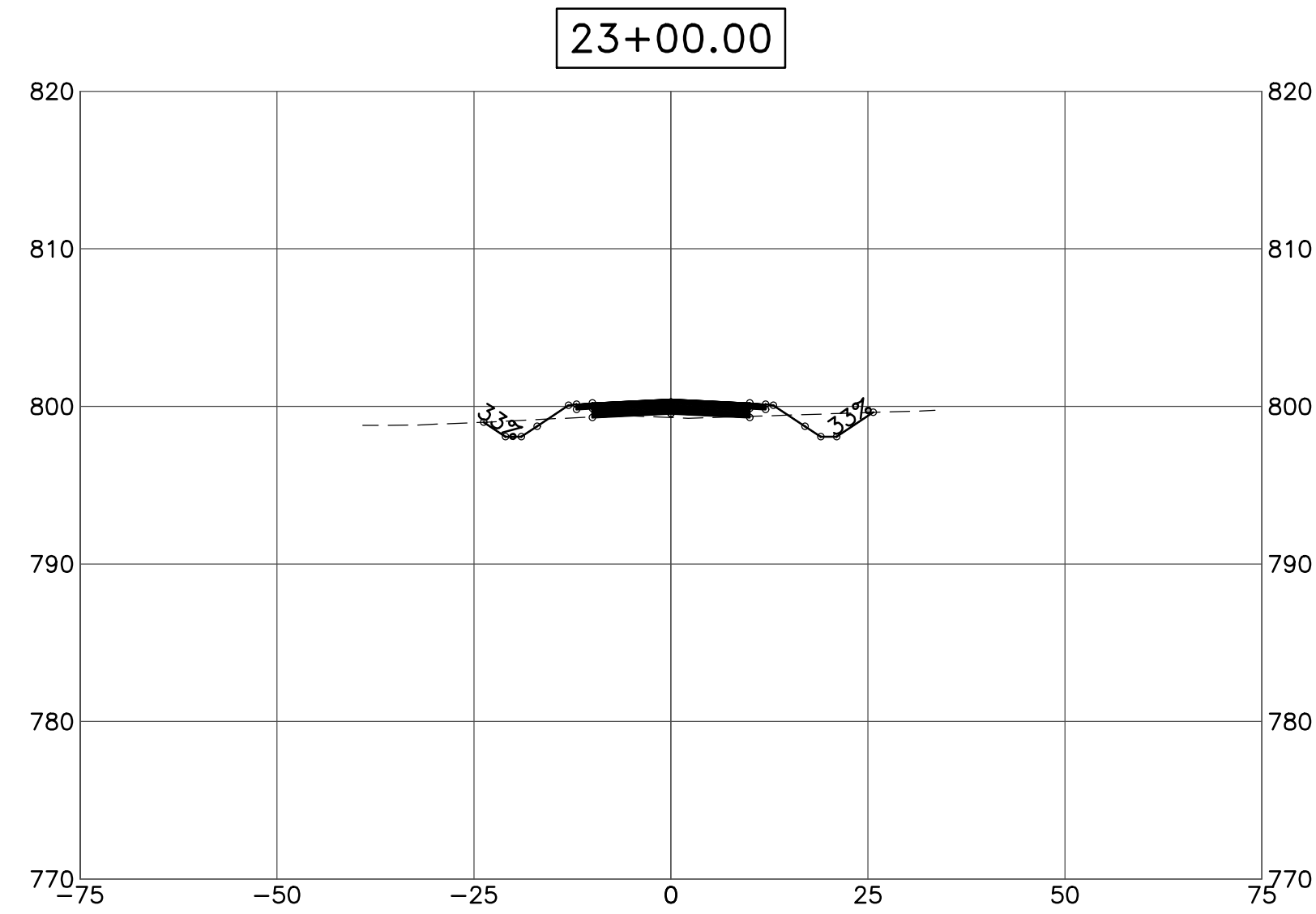
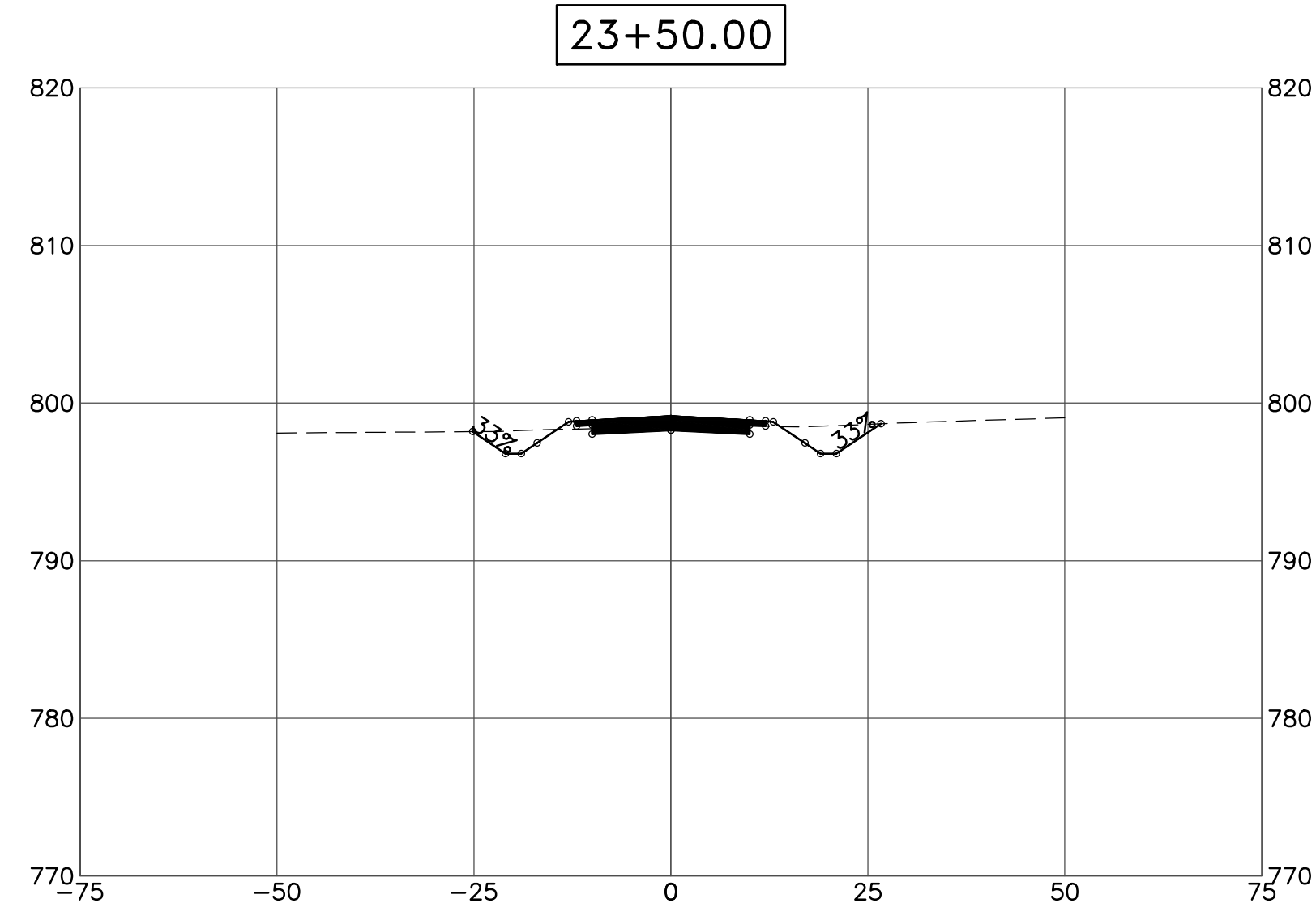
**LITTLE TRAVERSE BAY BANDS
 OF ODAWA INDIANS**
7500 ODAWA CIRCLE, HARBOR SPRINGS
 PART A: NIINAATIG WAY ROAD CONSTRUCTION
 SECTION VIEWS
 STA 18+00 TO STA. 22+00

ISSUED FOR:	DATE:	BY:
Final Review	08/21/23	PMR
OC Review	11/01/23	PMR
Final Review	11/16/23	PMR
Bidding	02/01/24	PMR

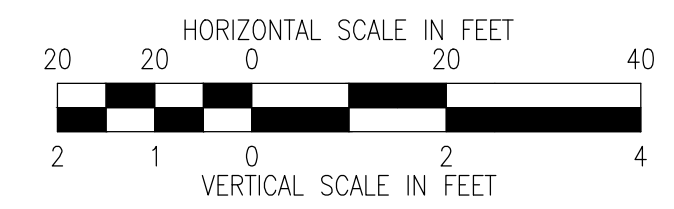
JOB NO.
 ODW2022-03G
 SHEET
C3.1

LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS - NIINAATIG WAY AND PARKING AREAS, PART A: ROAD CONSTRUCTION AND PART B: HMA, ULTRA-THIN OVERLAY JOB NO: ODW2022-03G

PROJECT MANAGER: P. REPASKY
 C:\PW_WORK\2\1271852\PLT-NIINAATIG WAY-PLAN AND PROFILE.DWG - C3.2 - PLOTTED 2/1/2024 3:04 PM BY REPASKY, PAUL



NIINAATIG WAY
 SECTION VIEWS



REV#	DATE	DESCRIPTION	BY

1511 Old US 27 S. Suite 1
 PO Box 118
 Grand MI 49724
 866.732.3588
 www.wadetrims.com

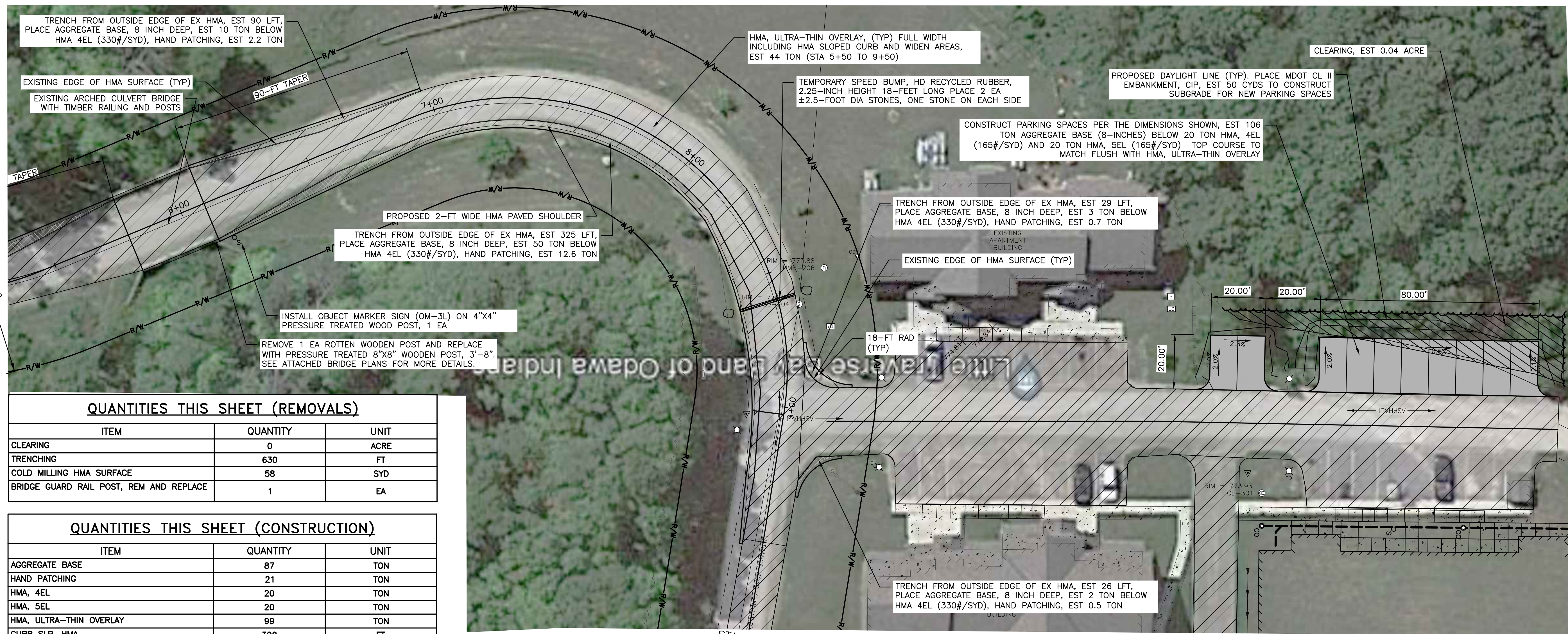
**LITTLE TRAVERSE BAY BANDS
 OF ODAWA INDIANS**
7500 ODAWA CIRCLE, HARBOR SPRINGS
 PART A: NIINAATIG WAY ROAD CONSTRUCTION
 SECTION VIEWS
 STA 22+50 TO STA. 23+93.5 (P.O.E.)

ISSUED FOR:	DATE:	BY:
Final Review	08/21/23	PMR
OC Review	11/01/23	PMR
Final Review	11/16/23	PMR
Bidding	02/01/24	PMR

JOB NO:
 ODW2022-03G
 SHEET
C3.2

LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS - NIINAATIG WAY AND PARKING AREAS, PART A: ROAD CONSTRUCTION AND PART B: HMA, ULTRA-THIN OVERLAY
 JOB NO: ODW2022-03G

PROJECT MANAGER: P. REPASKY
 C:\PW\WORK\2\12171852\PLT-NINNAIG WAY-PLAN AND PROFILE.DWG - C4.0 - PLOTTED 2/1/2024 4:22 PM BY REPASKY, PAUL
 FIELD BOOK INFORMATION:

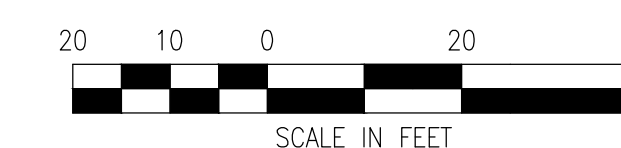


QUANTITIES THIS SHEET (REMOVALS)

ITEM	QUANTITY	UNIT
CLEARING	0	ACRE
TRENCHING	630	FT
COLD MILLING HMA SURFACE	58	SYD
BRIDGE GUARD RAIL POST, REM AND REPLACE	1	EA

QUANTITIES THIS SHEET (CONSTRUCTION)

ITEM	QUANTITY	UNIT
AGGREGATE BASE	87	TON
HAND PATCHING	21	TON
HMA, 4EL	20	TON
HMA, 5EL	20	TON
HMA, ULTRA-THIN OVERLAY	99	TON
CURB SLP, HMA	328	FT
POST, WOOD GUIDE	1	EA
SIGN, TYPE III B	3	SFT
TEMPORARY SPEED BUMP	18	FT



REV#	DATE	DESCRIPTION	BY

1651 CHURCH ST. S. Suite 1
 PO Box 118
 Grand Rapids, MI 49504
 616.732.3500
 www.wadetrims.com

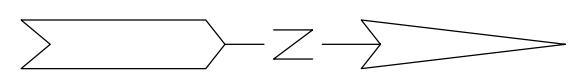
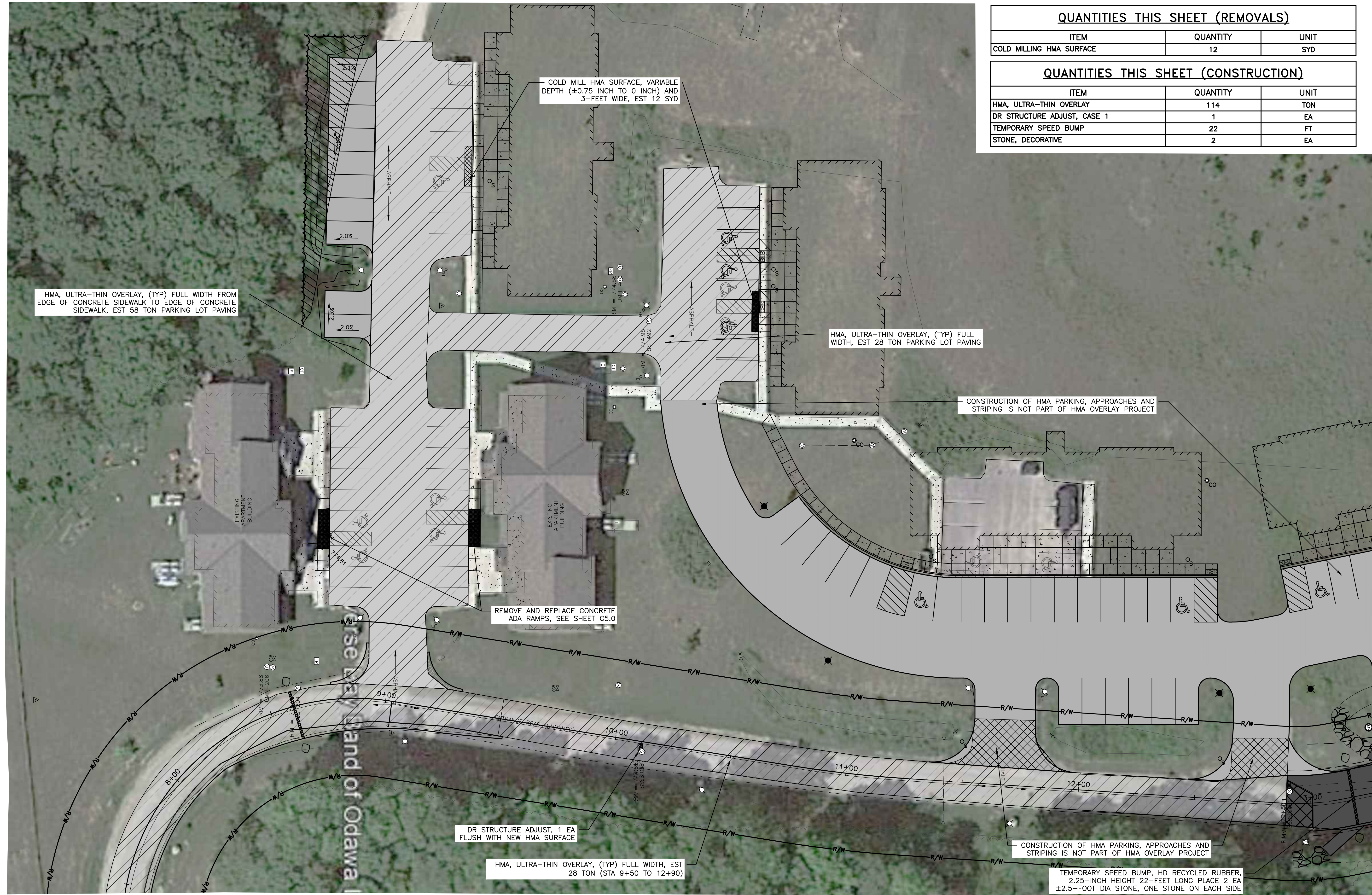
**LITTLE TRAVERSE BAY BANDS
 OF ODAWA INDIANS
 7500 ODAWA CIRCLE, HARBOR SPRINGS**
 PART B: HMA, ULTRA-THIN OVERLAY
 CONSTRUCTION PLAN VIEWS
 STA 0+26 TO STA. 9+50

ISSUED FOR:	DATE:	BY:
Final Review	08/21/23	PMR
OC Review	11/01/23	PMR
Final Review	11/16/23	PMR
Bidding	02/01/24	PMR

JOB NO:
 ODW2022-03G
 SHEET
C4.0

LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS - NINNAIG WAY AND PARKING AREAS, PART A: ROAD CONSTRUCTION AND PART B: HMA, ULTRA-THIN OVERLAY
 JOB NO: ODW2022-03G

PROJECT MANAGER: P. REPASKY
 C:\PW_WORK\2\1271852\PLT-NINAMATIC WAY-PLAN AND PROFILE.DWG - C4.1 - PLOTTED 2/1/2024 4:31 PM BY REPASKY, PAUL



QUANTITIES THIS SHEET (REMOVALS)		
ITEM	QUANTITY	UNIT
COLD MILLING HMA SURFACE	12	SYD

QUANTITIES THIS SHEET (CONSTRUCTION)		
ITEM	QUANTITY	UNIT
HMA, ULTRA-THIN OVERLAY	114	TON
DR STRUCTURE ADJUST, CASE 1	1	EA
TEMPORARY SPEED BUMP	22	FT
STONE, DECORATIVE	2	EA

REV#	DATE	DESCRIPTION	BY

1511 Old US 27 S. Suite 1
 PO Box 118
 Grand Haven, MI 49424
 616.732.3588
 www.wade-trim.com



LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS - NINAMATIC WAY AND PARKING AREAS, PART A: ROAD CONSTRUCTION AND PART B: HMA, ULTRA-THIN OVERLAY

LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS
7500 ODAWA CIRCLE, HARBOR SPRINGS
 PART B: HMA, ULTRA-THIN OVERLAY
 CONSTRUCTION PLAN VIEWS
 STA 9+50 TO STA. 12+90 AND PARKING AREAS

ISSUED FOR:	DATE:	BY:
Final Review	08/21/23	PMR
OC Review	11/01/23	PMR
Final Review	11/16/23	PMR
Bidding	02/01/24	PMR

JOB NO.
 ODW2022-03G

SHEET
C4.1

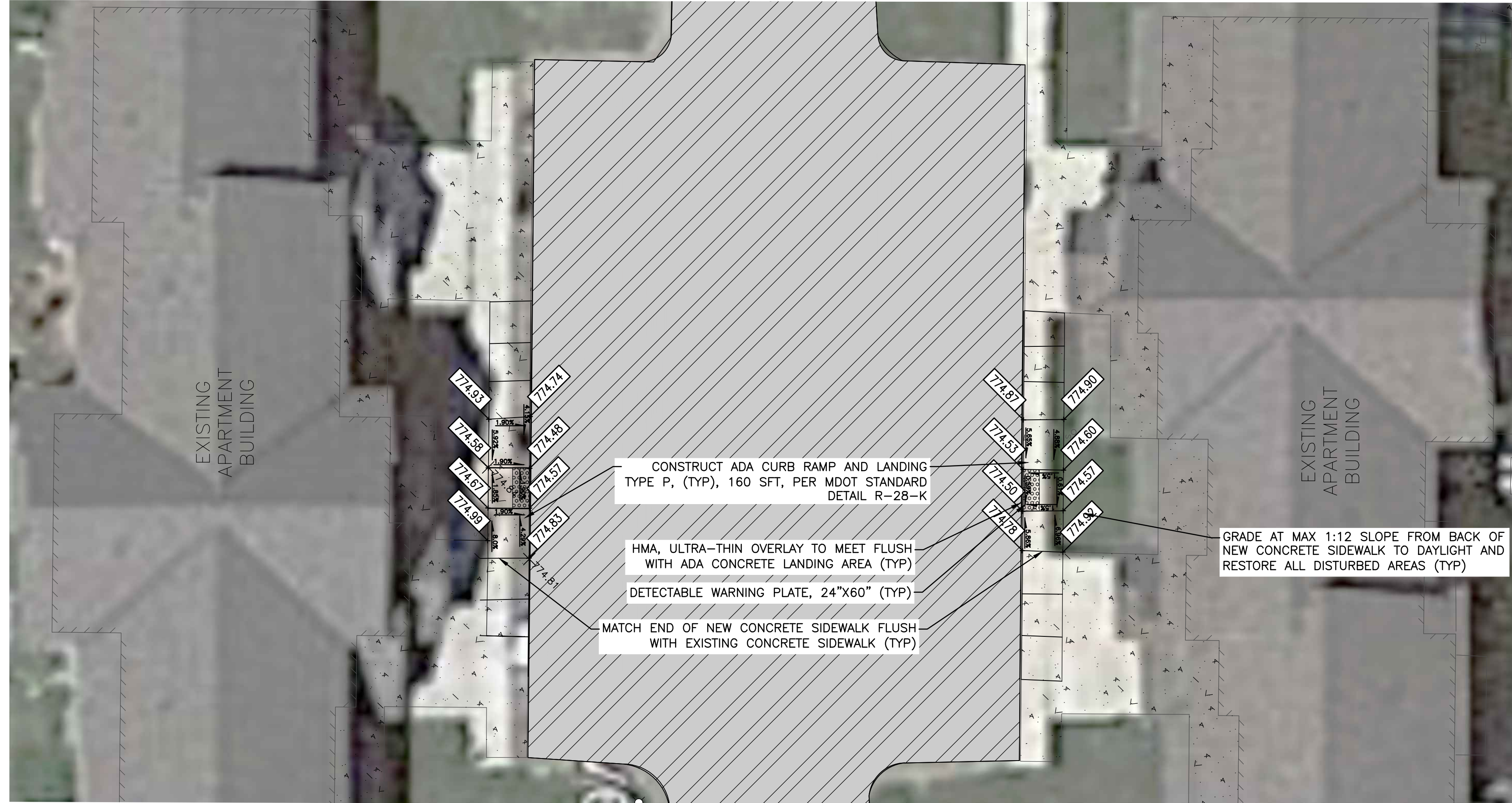


© Wade Trim, Inc.

PROJECT MANAGER: P. REPASKY
 C:\PW_WORK\2\1271852\PLT-NINAMATIC WAY-PLAN AND PROFILE.DWG - C5.0 - PLOTTED 2/1/2024 4:32 PM BY REPASKY, PAUL



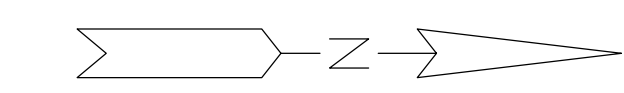
REMOVALS PLAN VIEW



CONSTRUCTION PLAN VIEW

CONCRETE NOTES:

1. ALL CONCRETE SHALL BE 4500 PSI CONCRETE, UNLESS OTHERWISE NOTED.
2. CONCRETE CURB AND GUTTER JOINTS:
 PLACE 1" FIBER JOINT FILLER AT NEW SIDEWALK ENDS
3. ALL JOINTS SHALL BE FULL DEPTH AND PLACED AT RIGHT ANGLES TO THE EDGE OF CONCRETE CURB & GUTTER.
4. ALL REBAR SHALL BE #4 EPOXY COATED STEEL BARS MEETING ASTM A615, GRADE 60 UNLESS OTHERWISE NOTED.
5. ALL POLY FIBER REINFORCING SHALL BE COLLATED FIBRILLATED POLYPROPYLENE FIBER @ 50#/CYD., ULTRA-NET (2 1/2 LENGTH), AS MANUFACTURED BY: FORTA CORPORATION OR APPROVED EQUAL.

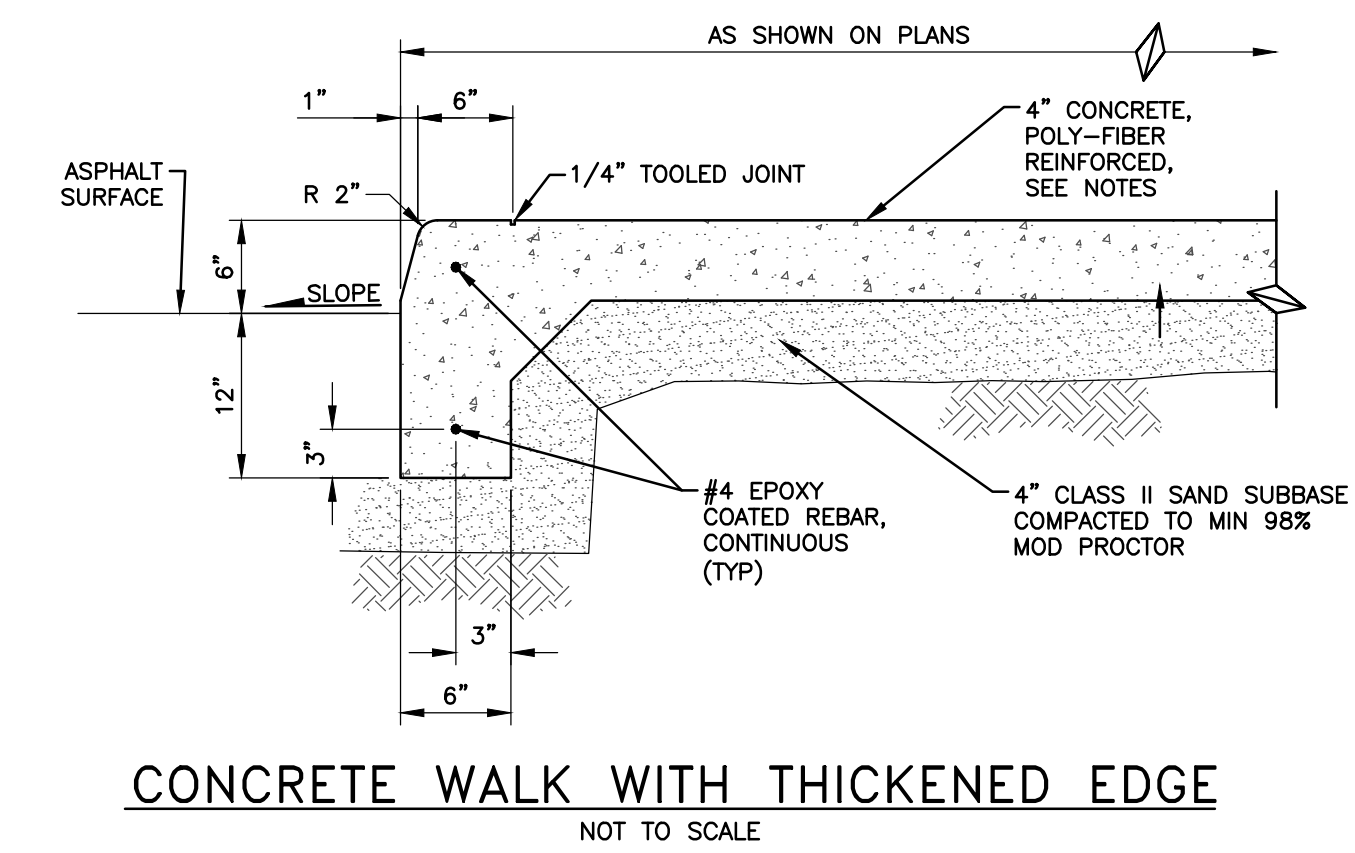


QUANTITIES THIS SHEET (REMOVALS)

ITEM	QUANTITY	UNIT
SIDEWALK, REM	18	SYD

QUANTITIES THIS SHEET (CONSTRUCTION)

ITEM	QUANTITY	UNIT
DETECTABLE WARNING SURFACE	10	FT
CURB RAMP, CONC, 4 INCH	160	SFT



CONCRETE WALK WITH THICKENED EDGE
 NOT TO SCALE



REV#	DATE	DESCRIPTION	BY

1514 CHLUS 27 S. Suite 1
 PO Box 118
 Grand MI 49724
 866.732.3588
 www.wadetrिम.com

**LITTLE TRAVERSE BAY BANDS
 OF ODAWA INDIANS**
7500 ODAWA CIRCLE, HARBOR SPRINGS
 PART B: HMA, ULTRA-THIN OVERLAY
 CONCRETE ADA RAMP REPLACEMENT
 PLAN VIEWS

ISSUED FOR:	DATE:	BY:
Final Review	08/21/23	PMR
OC Review	11/01/23	PMR
Final Review	11/16/23	PMR
Bidding	02/01/24	PMR

JOB NO:
ODW2022-03G
 SHEET
C5.0

LITTLE TRAVERSE BAY BANDS OF ODAWA INDIANS - NINAMATIC WAY AND PARKING AREAS, PART A: ROAD CONSTRUCTION AND PART B: HMA, ULTRA-THIN OVERLAY JOB NO: ODW2022-03G