

# ALLEGAN COUNTY ROAD COMMISSION

## GREGORVILLE ROAD RECONSTRUCTION PROJECT

### 6TH STREET TO PATTERSON ROAD

### WAYLAND TOWNSHIP

#### UTILITY CONTACTS

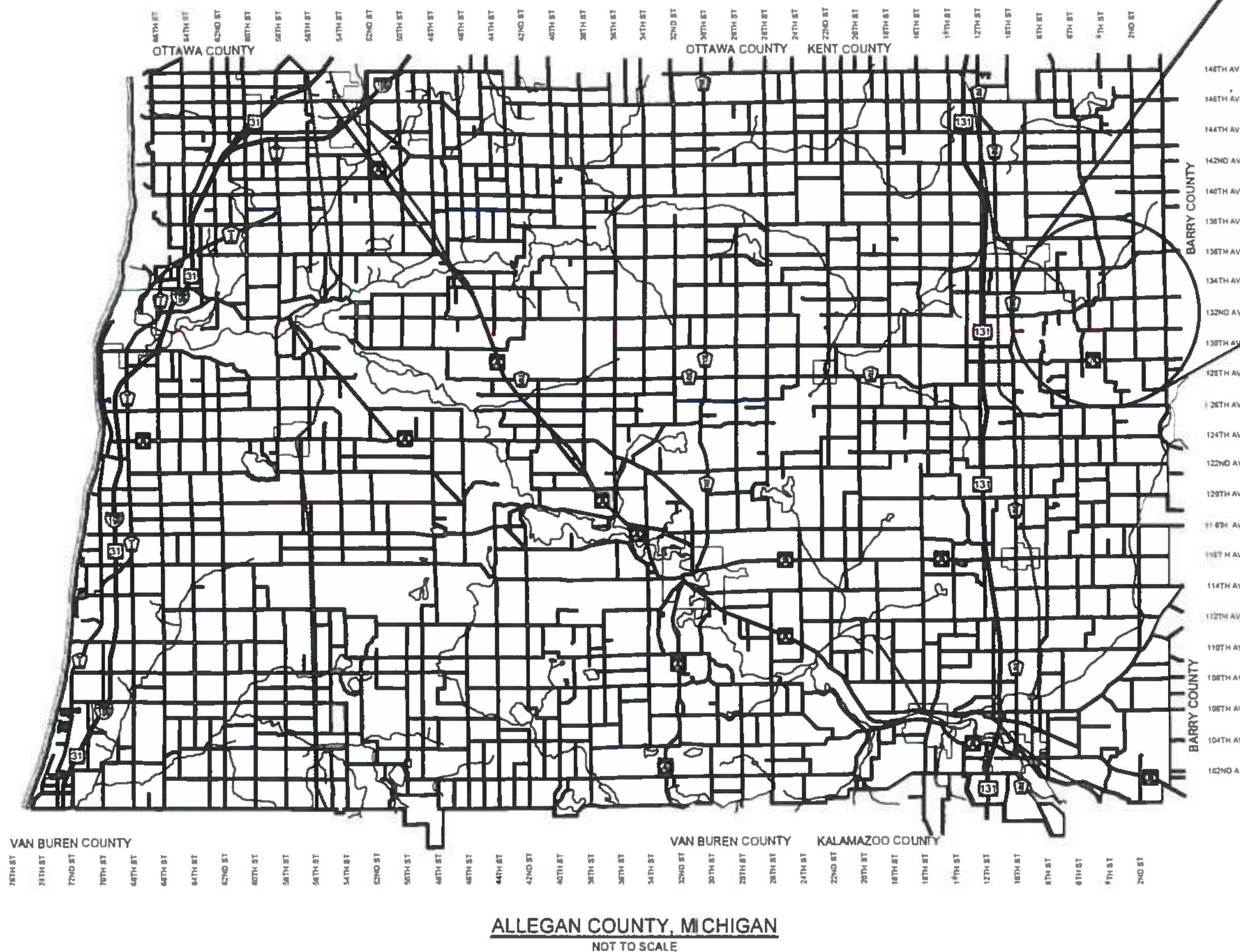
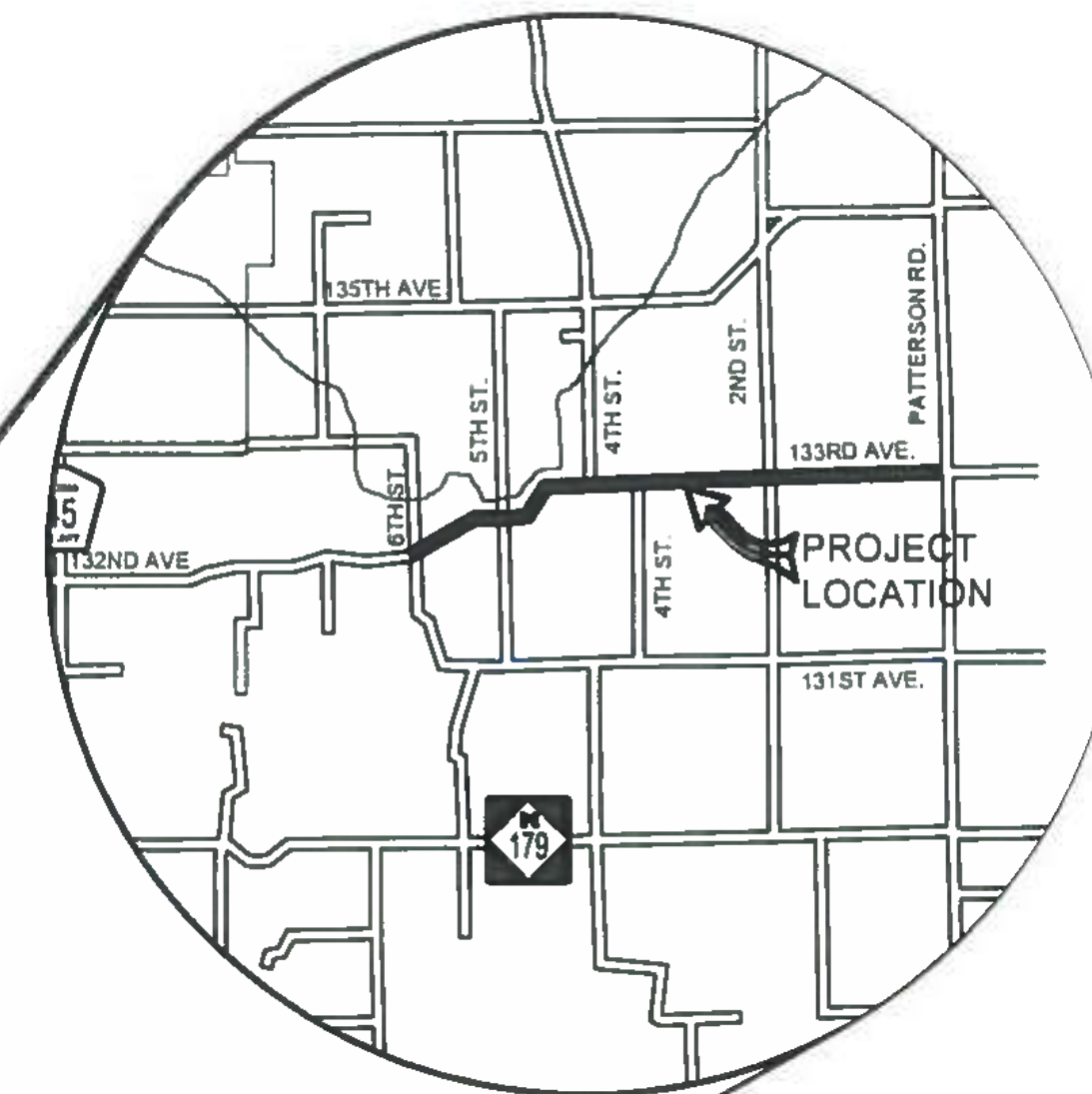
<b>ELECTRIC</b> CONSUMERS ENERGY 4000 CLAY AVE, SW GRAND RAPIDS, MI 49548 317-445-8814 MR. COLE ROCHOWAK HAMSTCIVMP@cmsenergy.com	<b>GAS TRANSMISSION</b> CONSUMERS ENERGY 2500 E CORK ST KALAMAZOO, MI 49001 869-574-7538 MR. KEVIN COUTURIER kevin.couturier@cmsenergy.com
<b>GREAT LAKES ENERGY</b> 1949 133RD AVENUE WAYLAND, MI 49348 269-792-0532 MR. JEFF HICKS jhicks@gleenergy.com	<b>SANITARY SEWER</b> GUN LAKE AREA SEWER & WATER AUTHORITY 12508 MARSH RD SHELBYVILLE, MI 49344 269-672-5588 gla@gunlakesewer.org
<b>TELEPHONE</b> AT&T 955 38TH STREET GRAND RAPIDS, MI 49508 815-246-7302 MR. CHAD VANTIL cv1519@att.com	"MISS DIG" 811

EXCEPT WHERE OTHERWISE INDICATED ON THESE PLANS OR IN THE PROPOSAL AND SUPPLEMENTAL SPECIFICATIONS CONTAINED THEREIN ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE 2020 MICHIGAN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION.

THE PLACING OF PAVEMENT MARKINGS AND TRAFFIC CONTROL SIGNS SHALL BE DONE IN ACCORDANCE WITH THE 2011 MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AS AMENDED.

THE IMPROVEMENTS COVERED BY THESE PLANS ARE IN ACCORDANCE WITH THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS 2011 EDITION, A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS.

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



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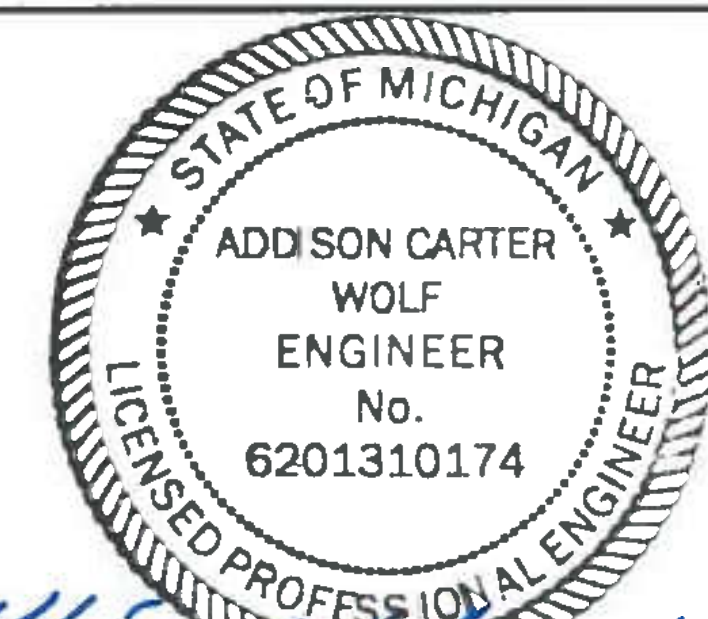
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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD

COVER SHEET

**CONTRACT FOR ROAD IMPROVEMENTS**  
3.15 MILES OF ROADWAY RECONSTRUCTION INCLUDING CLEARING, GRADE ESTABLISHMENT, SAND SUBBASE, AGGREGATE BASE, CULVERT REPLACEMENTS, AND RESTORATION ON GREGORVILLE ROAD FROM 6TH STREET TO PATTERSON ROAD IN WAYLAND TOWNSHIP, ALLEGAN COUNTY.

PREPARED UNDER THE SUPERVISOR ON OF



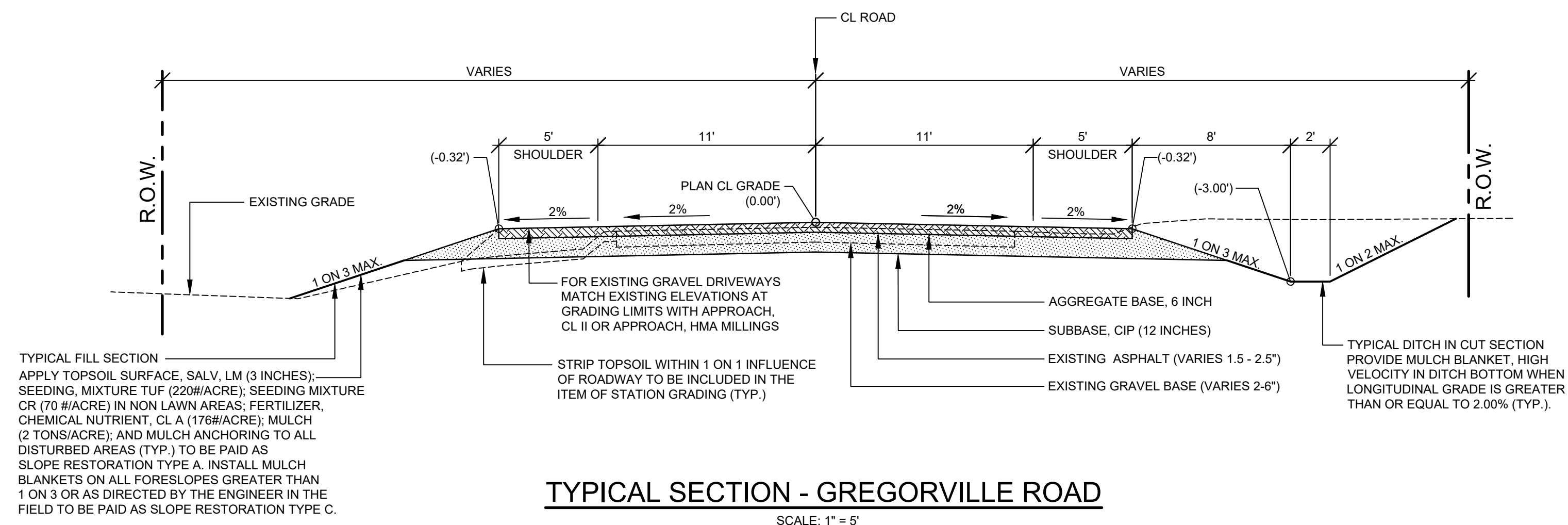
*Addison Wolf* 6-9-22

A DDISON C WOLF  
REGISTERED PROFESSIONAL ENGINEER No 6201310174

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: NCNE

LH 4044 1

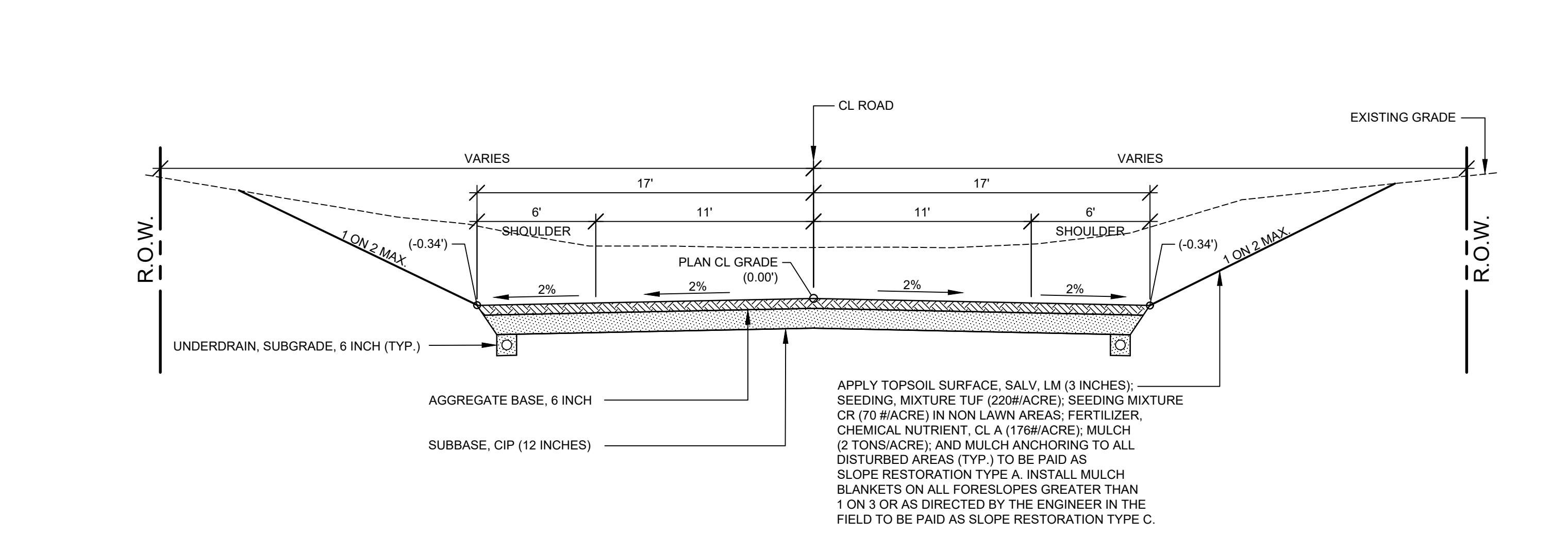




**TYPICAL SECTION - GREGORVILLE ROAD**

SCALE: 1" = 5'

THIS SECTION APPLIES TO:  
P.O.B TO P.O.E.



**TYPICAL SECTION - VALLEY GUTTER**

SCALE: 1" = 5'

THIS SECTION APPLIES TO:  
STA. 150+30 TO 154+80 LEFT  
STA. 150+80 TO 154+30 RIGHT

**PROJECT NOTES**

THE "2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND "STANDARD PLANS" BY THE MICHIGAN DEPARTMENT OF TRANSPORTATION (MDOT) ARE HEREBY INCORPORATED INTO THESE CONTRACT DOCUMENTS. COPIES OF THESE STANDARDS ARE AVAILABLE FOR INSPECTION AT THE OFFICE OF THE ENGINEER.

THE CONTRACTOR WILL BE RESPONSIBLE FOR CONTACTING THE ALLEGAN COUNTY ROAD COMMISSION TO NOTIFY THEM THAT WORK IS COMMENCING.

THE CONTRACTOR SHOULD NOTE THAT STATION GRADING WILL INCLUDE THE REMOVAL OF FENCES, CULVERTS, BRUSH, TREES SMALLER THAN 6", CONCRETE FOUNDATIONS, AND MISCELLANEOUS ITEMS AS REQUIRED AND WILL ALSO INCLUDE ALL EARTH EXCAVATION, EMBANKMENT, AND ALL OTHER OPERATIONS NECESSARY TO DEVELOP THE DESIRED CROSS SECTION. ALL TOPSOIL AND OTHER UNSUITABLE MATERIAL LOCATED BENEATH THE PROPOSED PAVEMENT SECTION WILL BE REMOVED TO THE SUBGRADE ELEVATION AS PART OF STATION GRADING. ALL TOPSOIL REMOVED MAY BE STOCKPILED AND REUSED AS TOPSOIL SURFACE, SALV, LM.

ALL FILL FOR THIS PROJECT MUST BE OBTAINED AND FURNISHED BY THE CONTRACTOR. ALL REQUIRED FILL SHALL BE SELECTED EXCAVATED MATERIAL FROM THE SITE APPROVED BY THE ENGINEER, OR MDOT CLASS II GRANULAR MATERIAL FROM BORROW. EXCESS FILL WILL BE REMOVED FROM SITE BY THE CONTRACTOR. NO BORROW OR SOIL REMOVAL ARRANGEMENTS HAVE BEEN PREARRANGED FOR THIS PROJECT AND WILL BE THE TOTAL RESPONSIBILITY OF THE CONTRACTOR.

THE SOIL BORINGS WERE TAKEN BY GREAT LAKES DRILLING COMPANY, P.O. BOX 51, ALLEGAN, MI 49010 ON OCTOBER 7, 2021. THE TEST BORINGS REPRESENT POINT INFORMATION AND MAY NOT HAVE ENCOUNTERED ALL THE TYPES AND MATERIALS WHICH ARE PRESENT AT THE SITE. THESE BORING LOGS DO NOT CONSTITUTE A GUARANTEE OF THE SOIL OR GROUNDWATER CONDITIONS, OR THAT THE TEST BORINGS ARE AN EXACT REPRESENTATION OF THE SOIL OR GROUNDWATER CONDITIONS AT ALL POINTS ON THE SITE.

SEE PLAN AND PROFILE SHEETS FOR SOIL BORING DATA.

DRIVE REPLACEMENT WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

THE ITEM OF SUBBASE, CIP WILL BE PAID FOR AT PLAN QUANTITY EXCEPT IN THE CASE OF A DESIGN CHANGE OR DEMONSTRATED ERROR.

AS PART OF THIS PROJECT THE CONTRACTOR WILL COORDINATE WITH THE ALLEGAN COUNTY ROAD COMMISSION TO PRESERVE AND RESET ALL GOVERNMENT CORNERS WITHIN THE PROJECT LIMITS.

CONTRACTOR WILL RELOCATE ALL MAILBOXES TO A TEMPORARY CENTRAL LOCATION APPROVED BY THE POSTAL SERVICE PRIOR TO CONSTRUCTION. CONTRACTOR SHALL INSTALL A 1" x 3" STAKE WITH THE RESPECTIVE PROPERTY ADDRESS WRITTEN ON IT IN THE FRONT YARD OF EACH RESIDENCE TO ASSIST WITH IDENTIFICATION FOR EMERGENCY VEHICLES. PAYMENT FOR RELOCATION WILL BE INCLUDED IN THE ITEM OF PROJECT CLEANUP. AT THE COMPLETION OF THE PROJECT SAID MAILBOXES SHALL BE RESET AT THEIR APPROPRIATE LOCATIONS.

ALL DISTURBED AREAS NOT TO BE PAVED WILL BE RESTORED WITH TOPSOIL SURFACE, SALV, LM (3 INCHES), MDOT SEED MIXTURE TUF (220#/ACRE); SEEDING MIXTURE CR (70 #/ACRE) IN NON LAWN AREAS; FERTILIZER, CHEMICAL NUTRIENT, CL A (176#/ACRE); AND MULCH AND MULCH ANCHORING (2 TON/ACRE); TO BE PAID AS SLOPE RESTORATION TYPE A. SEE SESC PLAN FOR AREAS TO USE HIGH VELOCITY MULCH BLANKET, TO BE PAID AS SLOPE RESTORATION TYPE C.

ADEQUATE DUST CONTROL MEASURES WILL BE MAINTAINED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER IN THE FIELD, TO BE INCLUDED IN THE VARIOUS ITEMS OF WORK.

MULCH BLANKET, HIGH VELOCITY WILL BE PLACED ON THE BOTTOM OF ALL DITCHES WHEN THE LONGITUDINAL GRADE IS GREATER THAN OR EQUAL TO 2.00% UNLESS OTHERWISE NOTED, OR AS DIRECTED BY THE ENGINEER IN THE FIELD TO BE PAID AS SLOPE RESTORATION TYPE C.

WHEN FIELD DRAIN TILES ARE ENCOUNTERED IN THE EXISTING DITCHES, THE CONTRACTOR WILL EXTEND THEM AS REQUIRED WITH UNDERDRAIN, SUBGRADE 4" OR 6" AND ADJUST THE DITCH GRADES AS NECESSARY TO PROVIDE POSITIVE DRAINAGE AS DIRECTED BY THE ENGINEER IN THE FIELD. THE COST OF THE CONNECTION WILL BE INCLUDED IN THE NEW PIPE ITEM. IF THE ENGINEER DETERMINES THAT AN EXISTING TILE IS TOO LONG THE CONTRACTOR WILL REMOVE THE TILE AS NECESSARY, TO BE INCLUDED IN THE ITEM OF STATION GRADING.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING DRAINAGE PATTERNS, AND WILL RESOLVE ANY DRAINAGE PROBLEMS ON ADJACENT PROPERTIES WHICH MAY RESULT FROM THE CONTRACTOR'S ACTIVITIES.

DATUM REFERS TO NAVD88 DATUM.

DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.

**UTILITY NOTES**

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR WILL CONTACT "MISS DIG" AT 811, A MINIMUM OF 72 HOURS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES 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 A PART OF THE "MISS DIG" ALERT SYSTEM.

THE CONTRACTOR WILL LOCATE ALL ACTIVE UNDERGROUND UTILITIES PRIOR TO STARTING WORK AND WILL CONDUCT HIS OPERATIONS IN A MANNER AS TO ENSURE THAT THOSE UTILITIES NOT REQUIRING RELOCATION WILL NOT BE DISTURBED.

PRELIMINARY UTILITY COORDINATION WAS PERFORMED AND ALL UTILITIES HAVE VERIFIED LOCATIONS.

CONSUMERS ELECTRIC HAS CONFIRMED THEY HAVE NO UNDERGROUND FACILITIES WITHIN THE CONSTRUCTION LIMITS. COORDINATION HAS ALSO BEGUN TO RELOCATE UTILITY POLE AT STATION 29+70.

AT&T HAS FACILITIES WITHIN THE CONSTRUCTION LIMITS AND HAVE SCHEDULED RELOCATION OF THEIR FACILITIES.

GREAT LAKES ENERGY HAS STATED THEY HAVE NO CONFLICTS.

**MISCELLANEOUS QUANTITIES**

DESCRIPTION	QUANTITY	UNIT
SUBGRADE UNDERCUTTING, TYPE II	3,500	CYD
AGGREGATE, 6A	50	TON
GEOTEXTILE, STABILIZATION	6,000	SYD
RIPRAP, PLAIN	50	SYD
EROSION CONTROL, SILT FENCE	1,750	FT
EROSION CONTROL, CHECK DAM	800	FT
APPROACH, CL II	160	TON
APPROACH, HMA MILLINGS	50	TON
CULV, CL E, CONC, 18 INCH	40	FT
CULV END SECT, CONC, 18 INCH	2	EA
CULV, CL E, CONC, 24 INCH	40	FT
CULV END SECT, CONC, 24 INCH	2	EA
CULV, CL F, 12 INCH	300	FT
CULV, CL F, 18 INCH	300	FT
CULV, CL F, 24 INCH	20	FT

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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
**TYPICAL SECTIONS, DETAILS, & NOTES**

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: AS NOTED

LH 4044 2

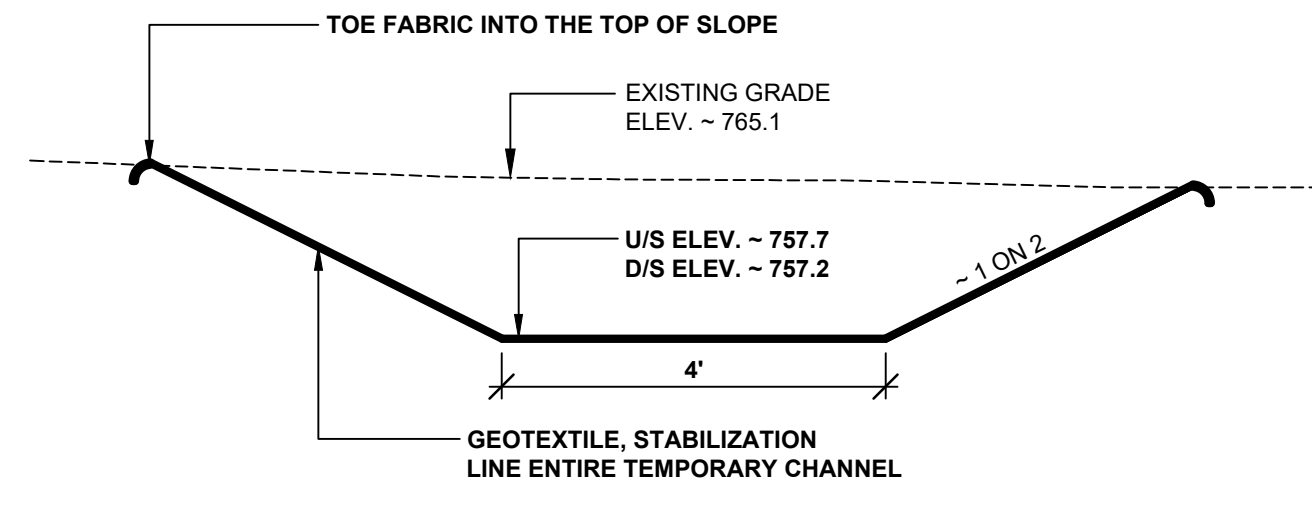
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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
TYPICAL SECTIONS, DETAILS, & NOTES  
FOR PICKEREL LAKE DRAIN CULVERT REPLACEMENT

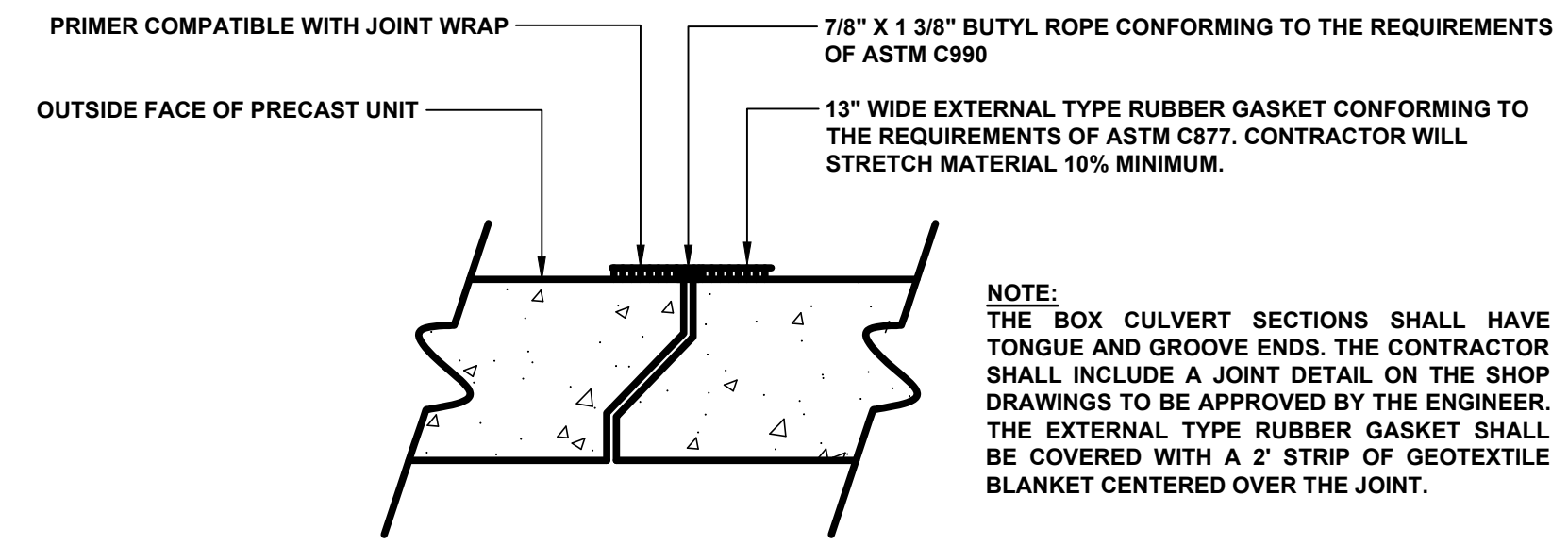
DRAWN BY:	ACW
REVIEWED BY:	RPB
DATE:	APRIL, 2022
SCALE:	AS NOTED

**STAGING NOTES**

- 1) INSTALL TEMPORARY EROSION CONTROL MEASURES.
- 2) CONSTRUCT THE TEMPORARY CHANNEL WITH A 6A STONE PILE AT EACH END AS A PLUG. AFTER LINING THE CHANNEL WITH GEOTEXTILE, OPEN THE DOWNSTREAM PLUG, ALLOW THE WATER TO EQUALIZE, AND THEN REMOVE THE UPSTREAM PLUG.
- 3) REMOVE THE EXISTING TWIN 60" X 50" CMP CULVERTS.
- 4) INSTALL THE 14' X 6' PRECAST CONCRETE BOX CULVERT.
- 5) OPEN THE CHANNEL FROM THE DOWN STREAM END AND ALLOW THE WATER TO EQUALIZE. OPEN THE UPSTREAM SIDE OF THE NEW CHANNEL AND PLUG THE TEMPORARY CHANNEL.
- 6) BACKFILL THE TEMPORARY CHANNEL AND PRECAST CONCRETE BOX.
- 7) INSTALL PERMANENT SOIL EROSION CONTROL MEASURES.

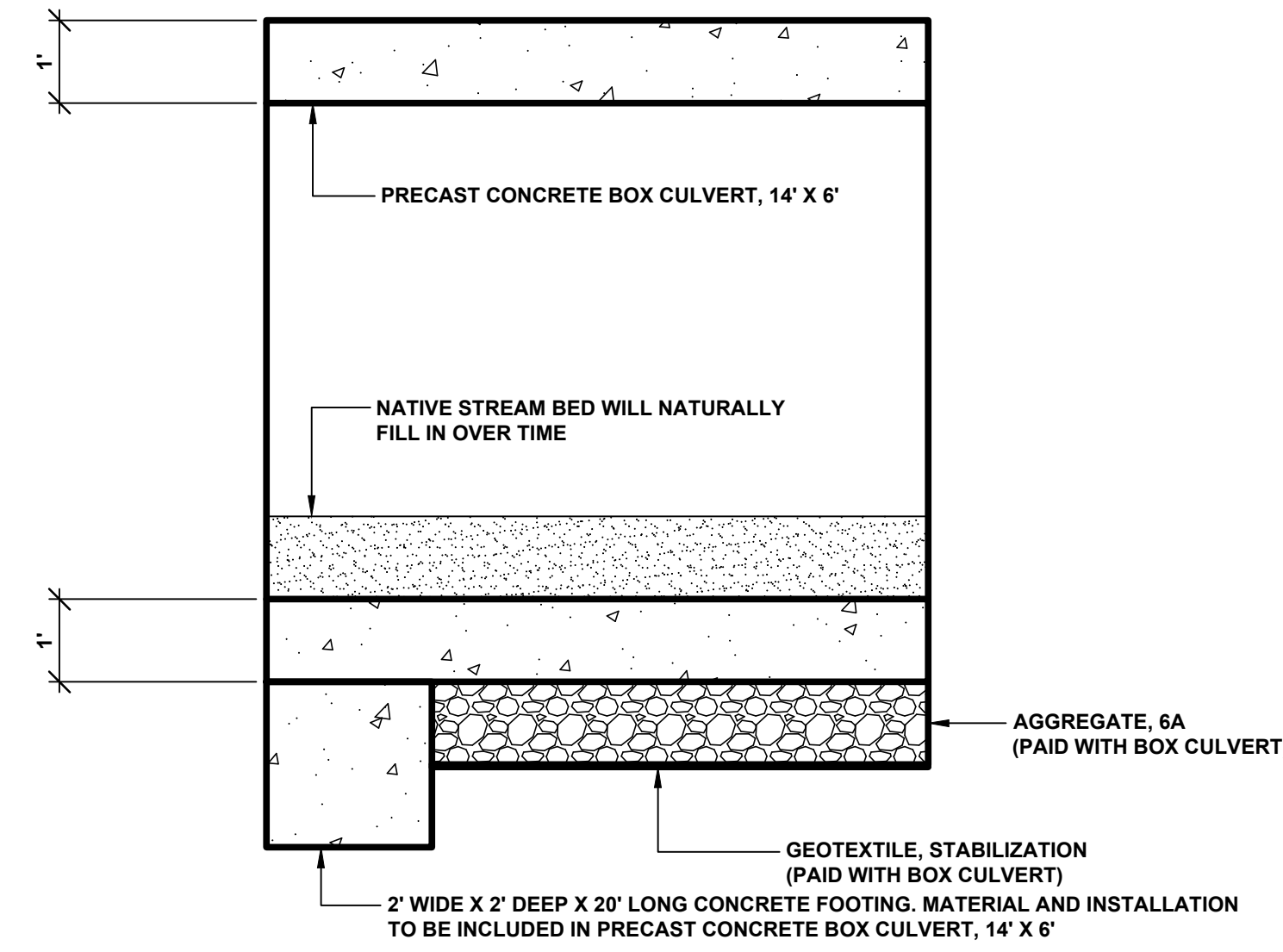


**TEMPORARY CHANNEL CROSS SECTION**  
SCALE 1" = 2'

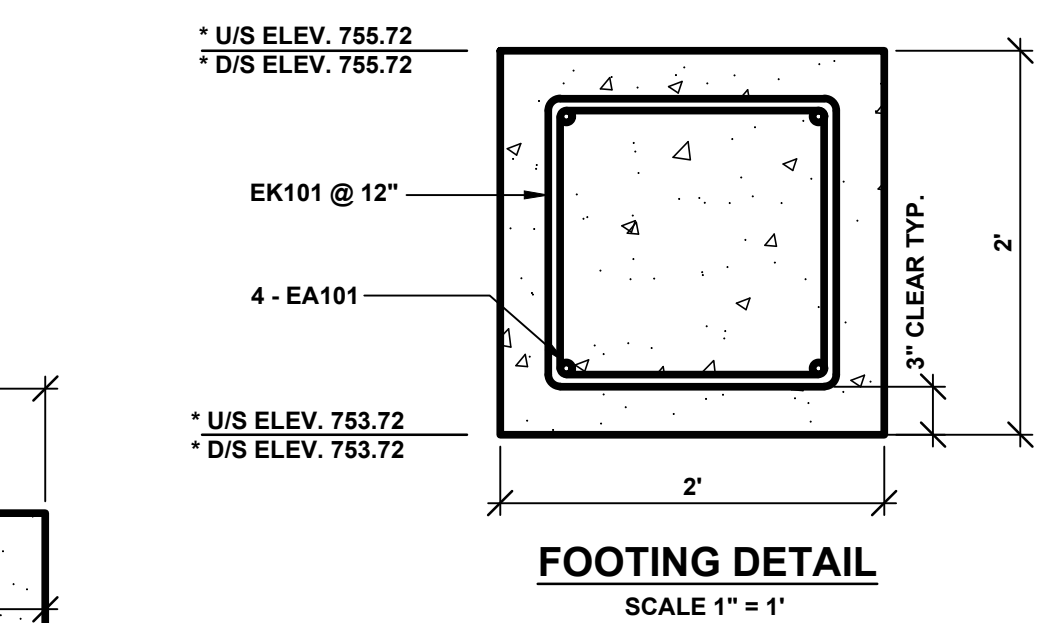


**TYPICAL JOINT SEAL DETAIL**

**NOTE:**  
THE BOX CULVERT SECTIONS SHALL HAVE TONGUE AND GROOVE ENDS. THE CONTRACTOR SHALL INCLUDE A JOINT DETAIL ON THE SHOP DRAWINGS TO BE APPROVED BY THE ENGINEER. THE EXTERNAL TYPE RUBBER GASKET SHALL BE COVERED WITH A 2' STRIP OF GEOTEXTILE BLANKET CENTERED OVER THE JOINT.



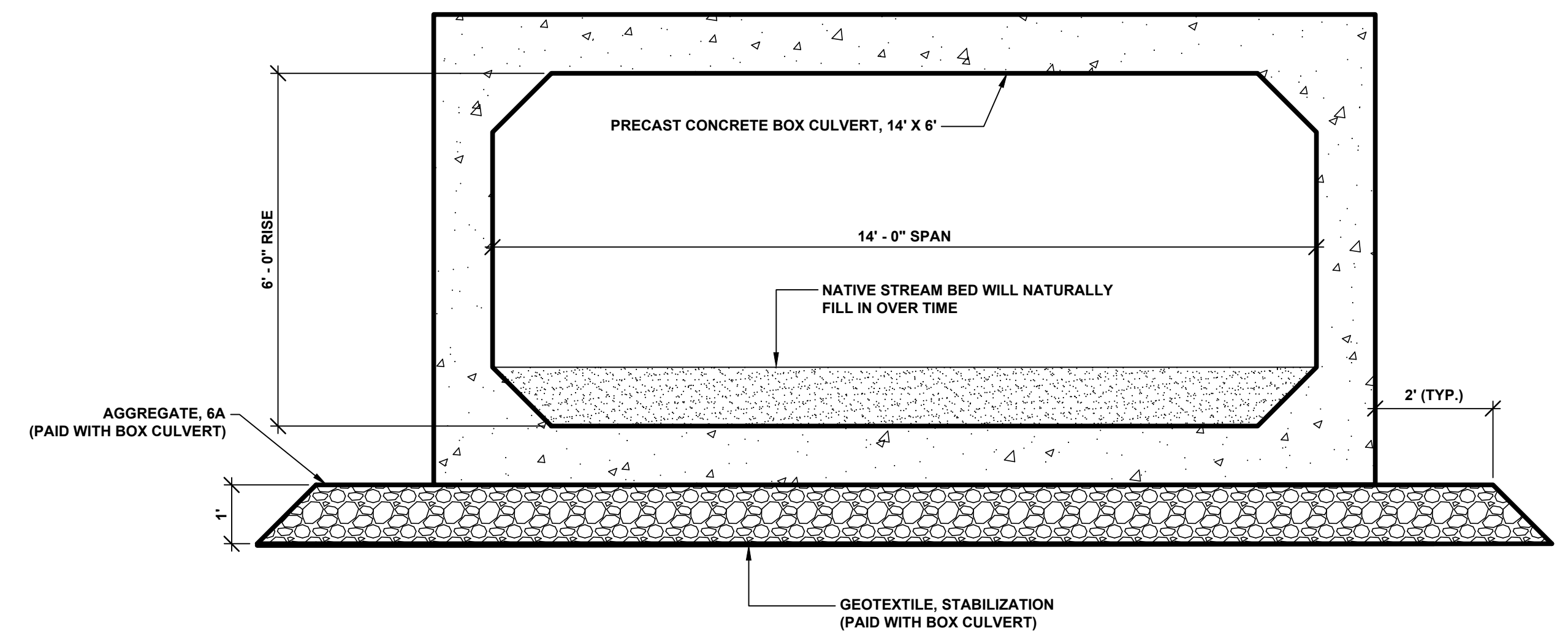
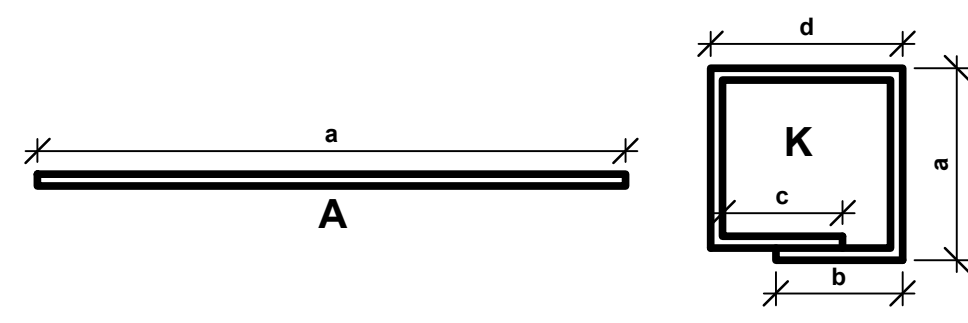
**SECTION B - B**  
SCALE 1" = 2'



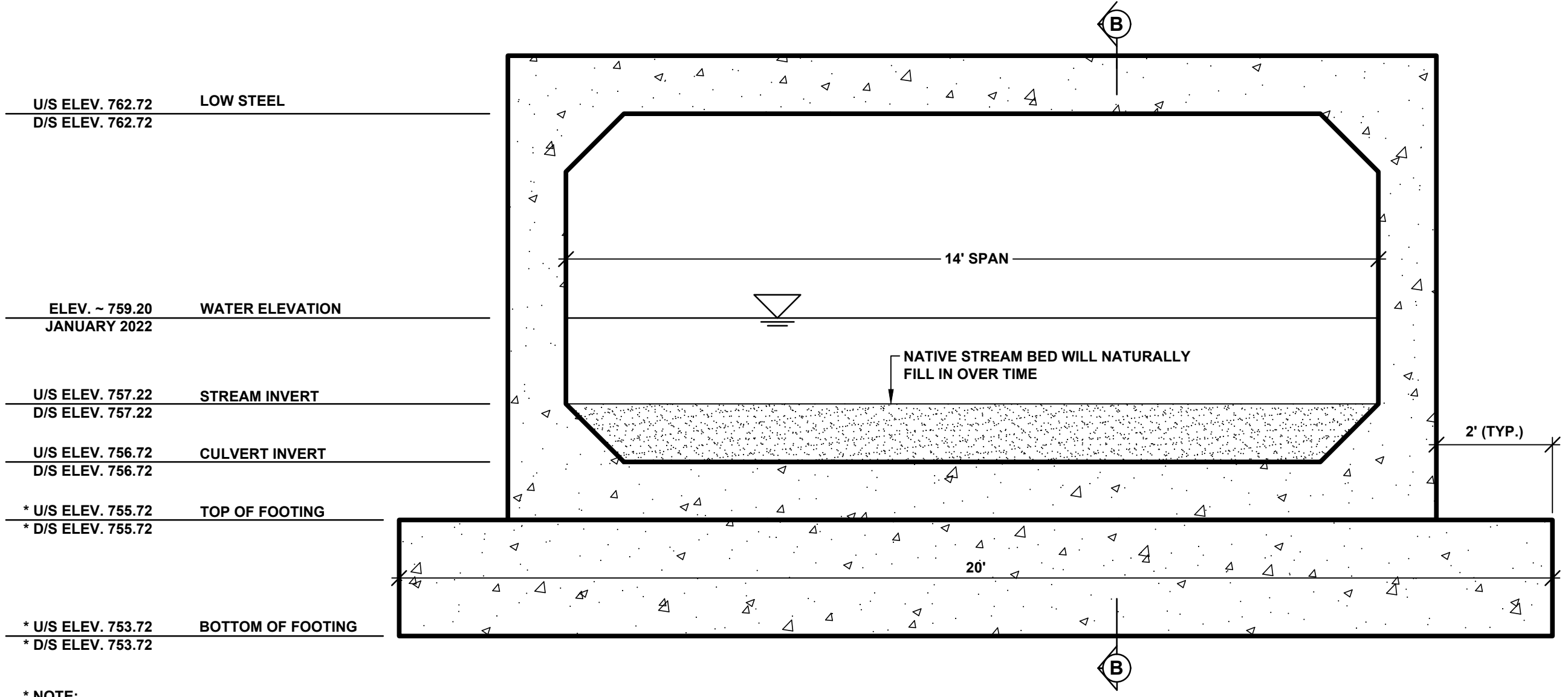
**FOOTING DETAIL**  
SCALE 1" = 1'

STEEL REINFORCEMENT SCHEDULE								
BAR	a	b	c	d	SIZE	LENGTH	NO. REQUIRED	TOTAL WEIGHT
EA101	19'-6"				#6	19'-6"	8	234
EK101	1'-6"	1'-0"	1'-0"	1'-6"	#6	6'-6"	40	390

**NOTES:**  
ALL RIGHT ANGLE BENDS IN REINFORCING STEEL TO BE MADE ABOUT A PIN OF THE MINIMAL DIAMETER ALLOWED BY THE STANDARD SPECIFICATIONS.  
THE CONTRACTOR IS RESPONSIBLE FOR CHECKING THE ABOVE REINFORCING STEEL QUANTITIES AND LENGTHS PRIOR TO ORDERING DELIVERY OF STEEL.  
STEEL REINFORCEMENT WITH BAR DESIGNATIONS BEGINNING WITH THE LETTER "E" WILL BE EPOXY COATED.



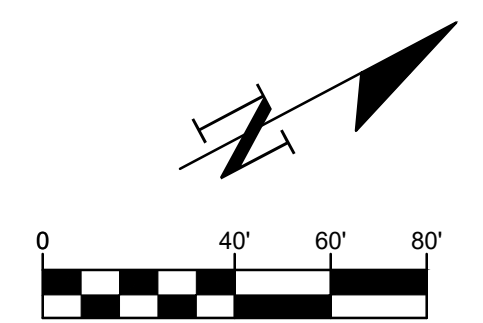
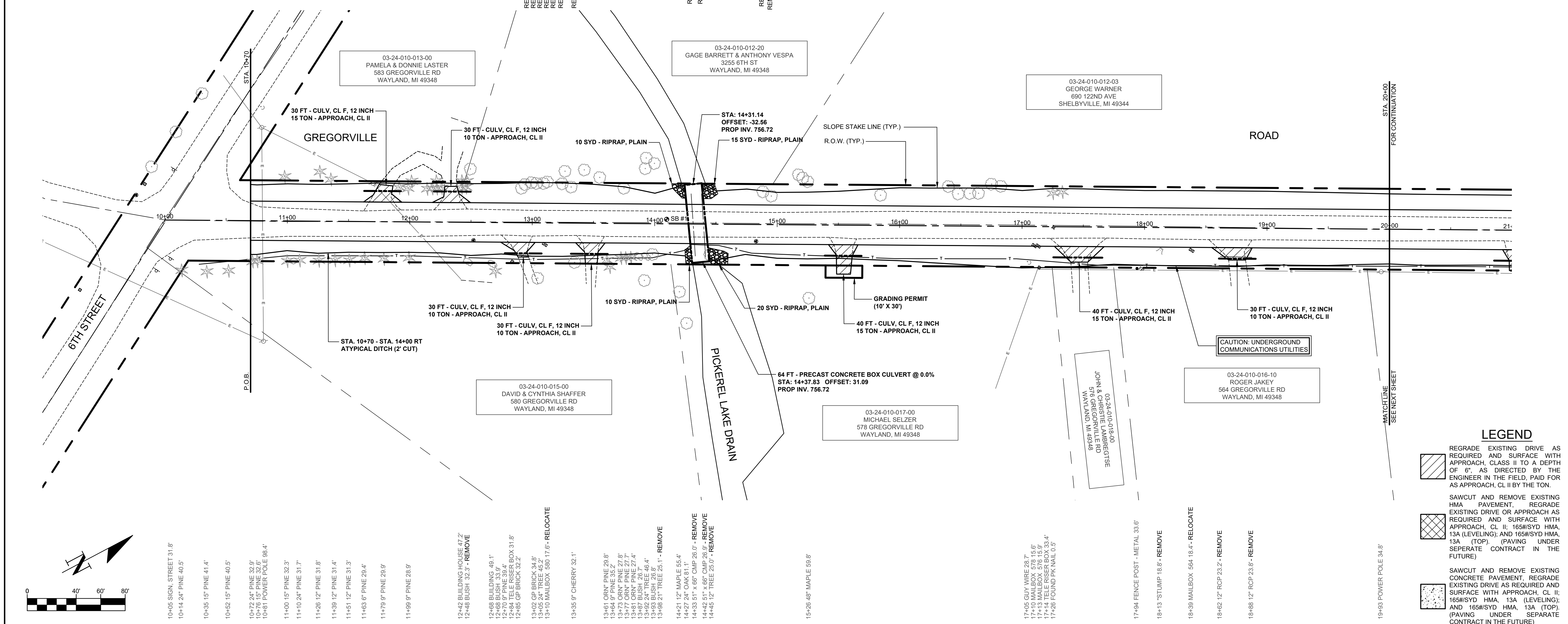
**SECTION A - A**  
SCALE 1" = 2'



**TYPICAL INLET AND OUTLET SECTION**  
SCALE 1" = 2'

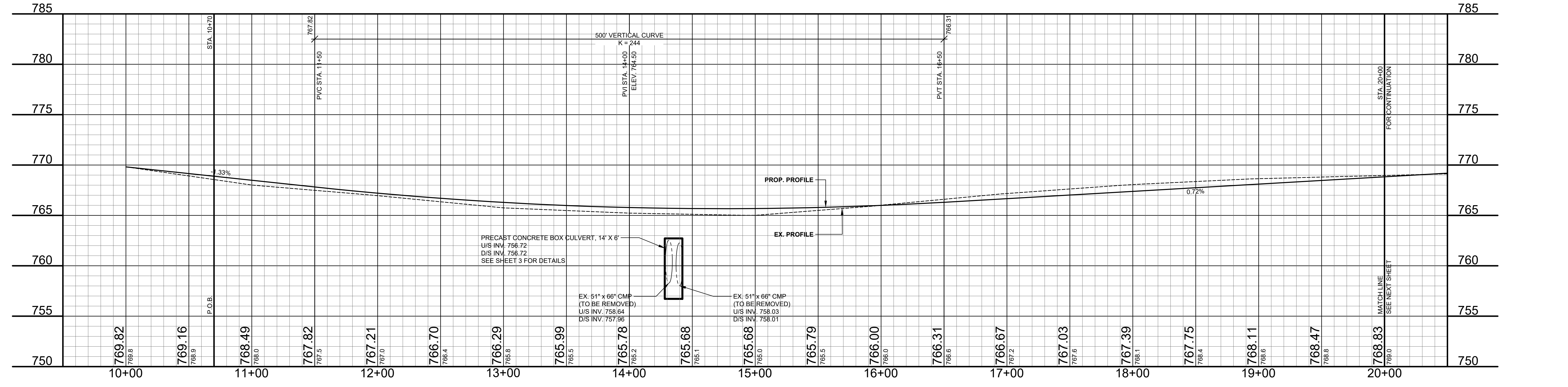
**\* NOTE:**  
INVERT ELEVATION OF BOX CULVERT GOVERNS. TOP OF FOOTING & BOTTOM OF FOOTING ELEVATIONS MAY VARY BASED UPON THE MANUFACTURER'S CULVERT DESIGN. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING THE FOOTING ACCORDINGLY.

SB #1	DEPTH	SOIL BORINGS
0	2.5"	ASPHALT
2.5"	9.5"	BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
9.5"	18"	DARK BROWN FINE SAND
18"	30"	BROWN MEDIUM SAND & FINE GRAVEL
30"	48"	BROWN FINE TO MEDIUM SAND, TRACES OF CLAY
48"	120"	LIGHT BROWN FINE SAND, TRACES OF SILT
	120"	END OF BORING



**LEGEND**

	REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CLASS II TO A DEPTH OF 6" AS DIRECTED BY THE ENGINEER IN THE FIELD, PAID FOR AS APPROACH, CL II BY THE TON.
	SAWCUT AND REMOVE EXISTING HMA PAVEMENT. REGRADE EXISTING DRIVE OR APPROACH AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)
	SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT. REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)



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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
PLAN & PROFILE - P.O.B. TO STA. 20+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: MARCH 2022  
SCALE: 1" = 40'H, 5V

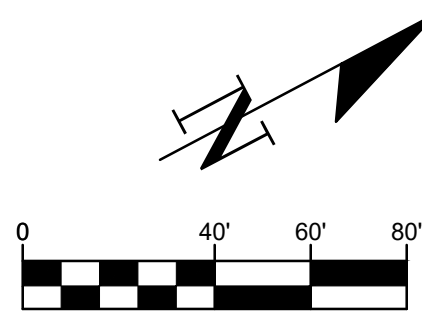
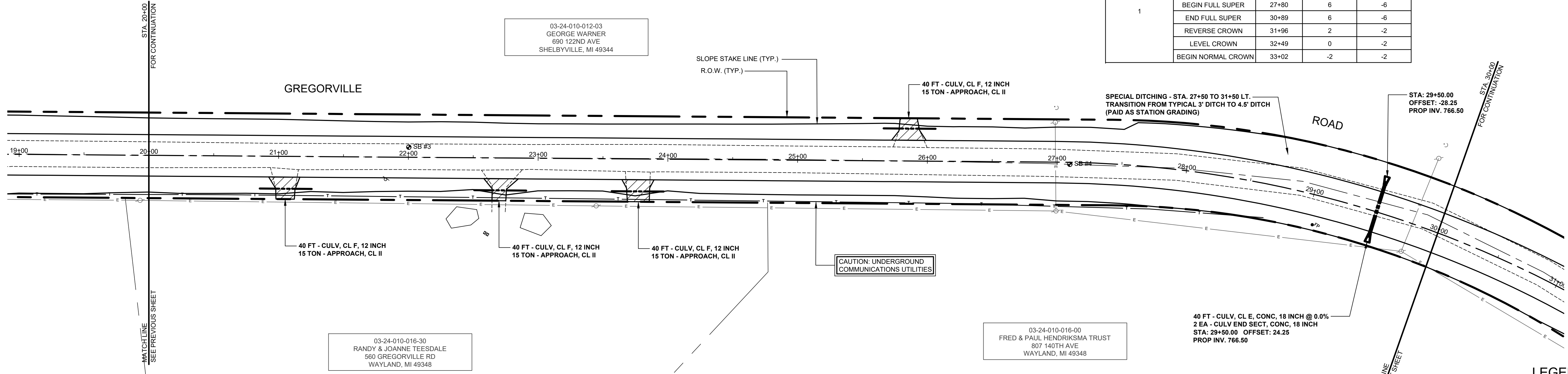


**SOIL BORINGS**

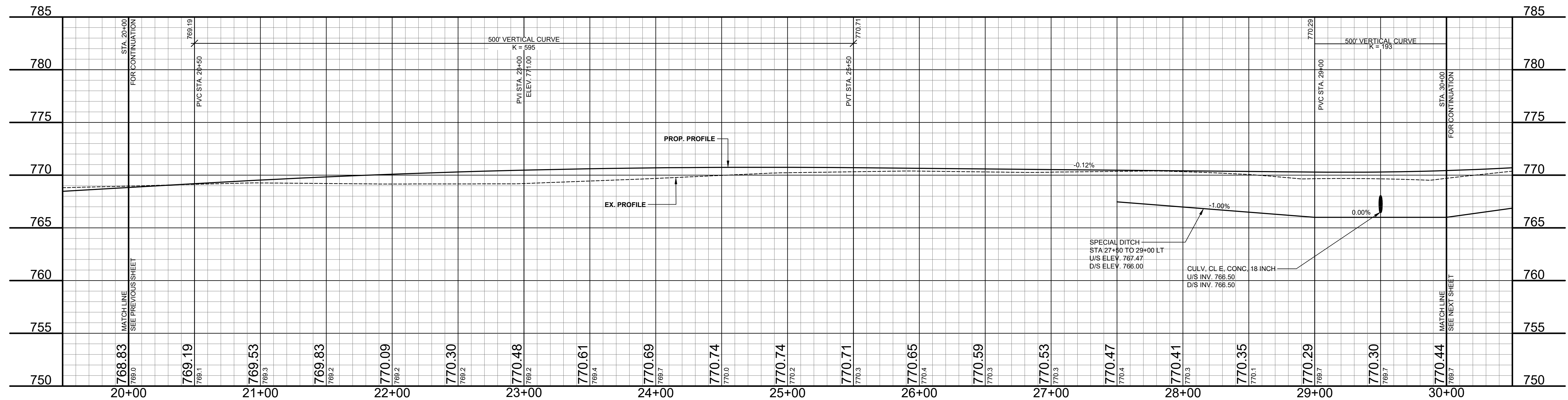
SB #3	0 - 1.5'	ASPHALT
	1.5' - 4.5'	BROWN SAND & FINE TO COARSE GRAVEL
	4.5' - 26'	DARK BROWN FINE TO MEDIUM SAND
	26' - 60'	BROWN FINE SAND
	60'	END OF BORING

SB #4	0 - 2'	ASPHALT
	2' - 7'	BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
	7' - 23'	DARK BROWN FINE TO MEDIUM SAND, SOME FINE GRAVEL
	23' - 60'	BROWN FINE SAND
	60'	END OF BORING

SUPERELEVATION REGION	DESCRIPTION	STATION	LEFT OUTSIDE LANE (%)	RIGHT OUTSIDE LANE (%)
1	END NORMAL CROWN	25+67	-2	-2
	LEVEL CROWN	26+20	0	-2
	REVERSE CROWN	26+73	2	-2
	BEGIN FULL SUPER	27+80	6	-6
	END FULL SUPER	30+89	6	-6
	REVERSE CROWN	31+96	2	-2
	LEVEL CROWN	32+49	0	-2
	BEGIN NORMAL CROWN	33+02	-2	-2



- LEGEND**
- REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CLASS II TO A DEPTH OF 6". AS DIRECTED BY THE ENGINEER IN THE FIELD, PAID FOR AS APPROACH, CL II BY THE TON.
  - SAWCUT AND REMOVE EXISTING HMA PAVEMENT. REGRADE EXISTING DRIVE OR APPROACH AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP). (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)
  - SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT. REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP). (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)



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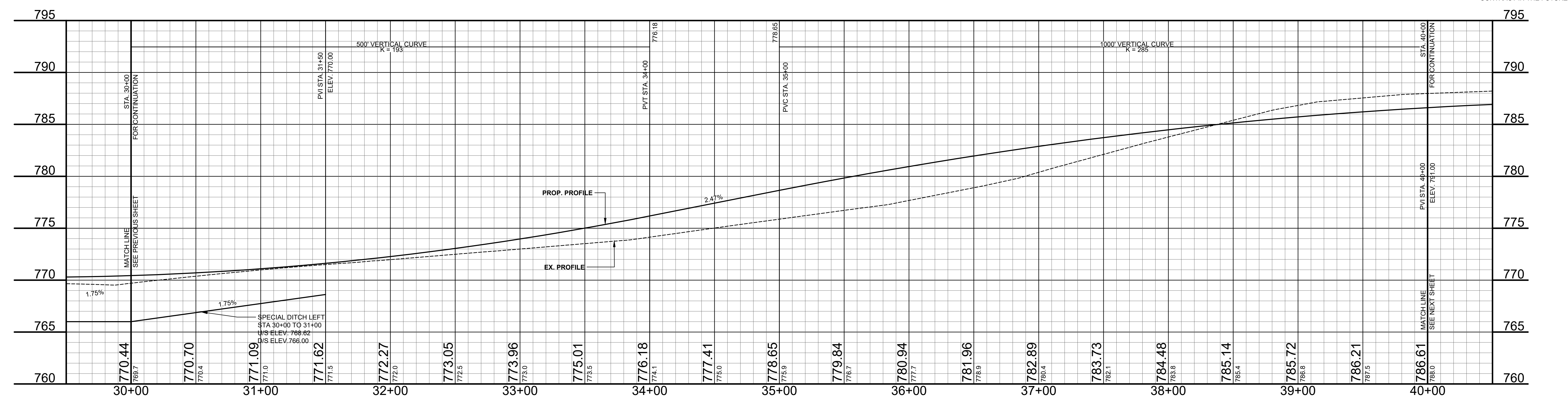
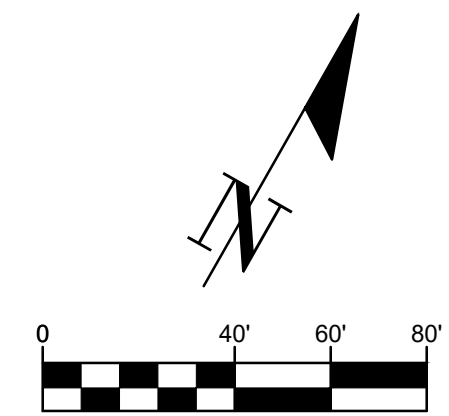
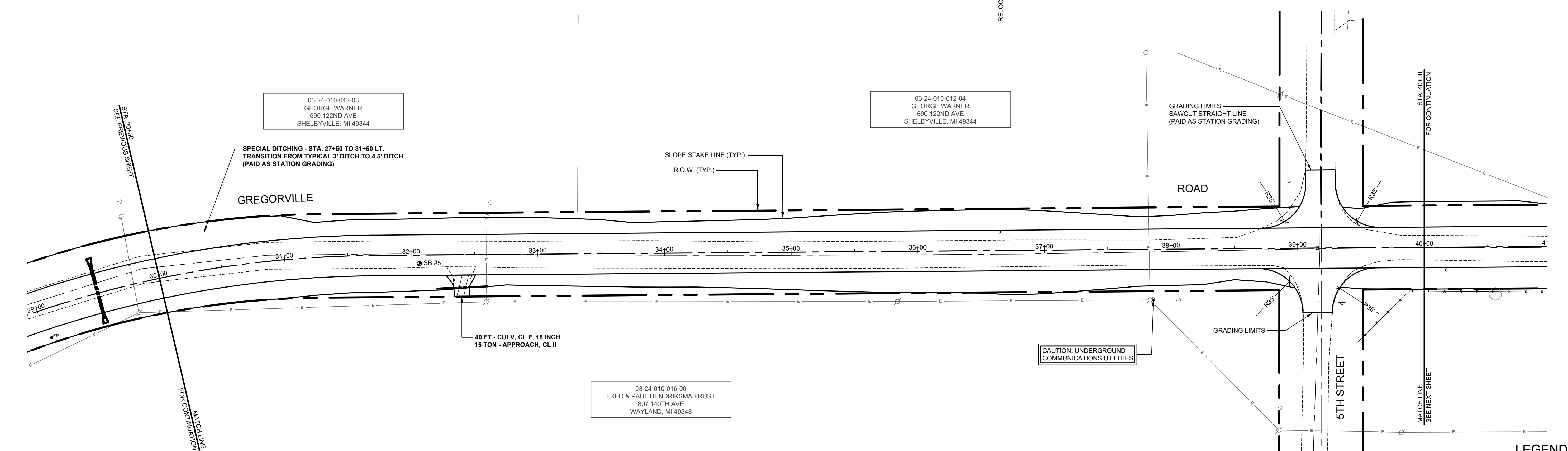
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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
**PLAN & PROFILE - STA. 20+00 TO STA. 30+00**

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: MARCH 2022  
SCALE: 1"= 40'H, 5V

SB #5	DEPTH	SOIL TYPE
	0 - 2"	ASPHALT
	2" - 7"	BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
	7" - 25"	DARK BROWN FINE TO MEDIUM SAND, SOME FINE TO COARSE GRAVEL
	25" - 60"	BROWN FINE TO MEDIUM SAND
	60"	END OF BORING



LEGEND	
	REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CLASS II TO A DEPTH OF 6". AS DIRECTED BY THE ENGINEER IN THE FIELD, PAID FOR AS APPROACH, CL II BY THE TON.
	SAWCUT AND REMOVE EXISTING HMA PAVEMENT. REGRADE EXISTING DRIVE OR APPROACH AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)
	SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT. REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)

**Board of County Road Commissioners  
Of Allegan County**  
 1308 LINCOLN ROAD  
 ALLEGAN, MICHIGAN 49010-9762  
 TELEPHONE (269) 673-2184 www.alleganroads.org FAX (269) 673-5922

REVISIONS	
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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
 WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
 PLAN & PROFILE - STA. 30+00 TO STA. 40+00

DRAWN BY: ACW  
 REVIEWED BY: RPB  
 DATE: MARCH 2022  
 SCALE: 1"= 40'H, 5V



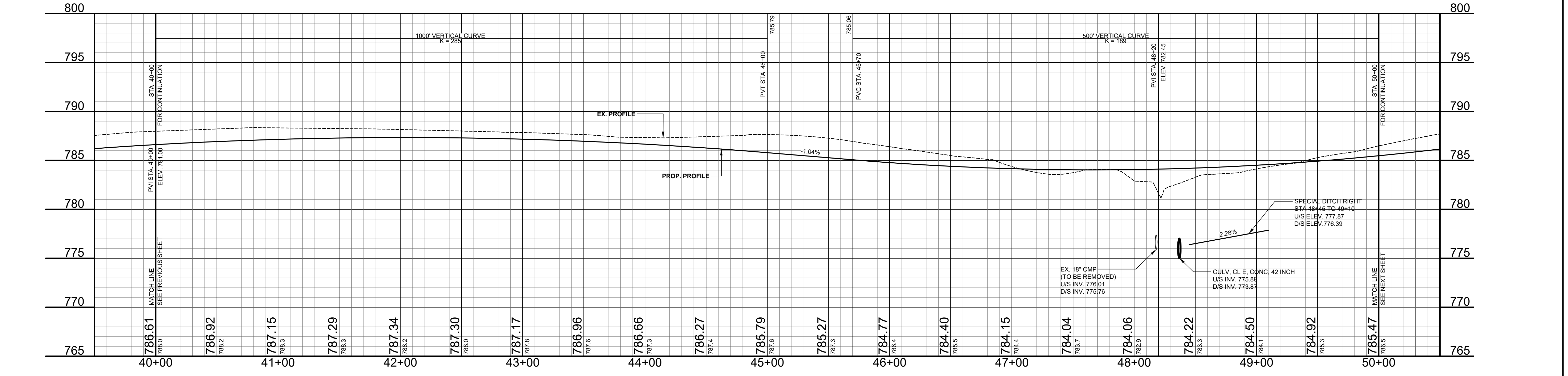
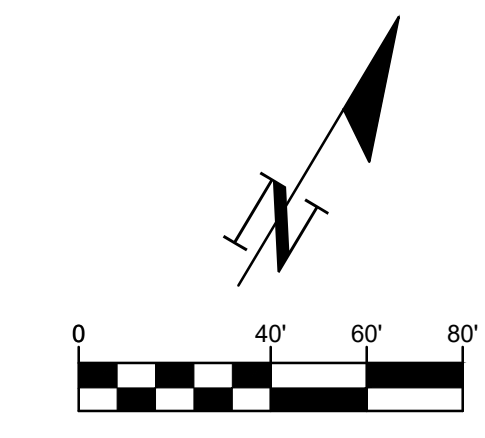
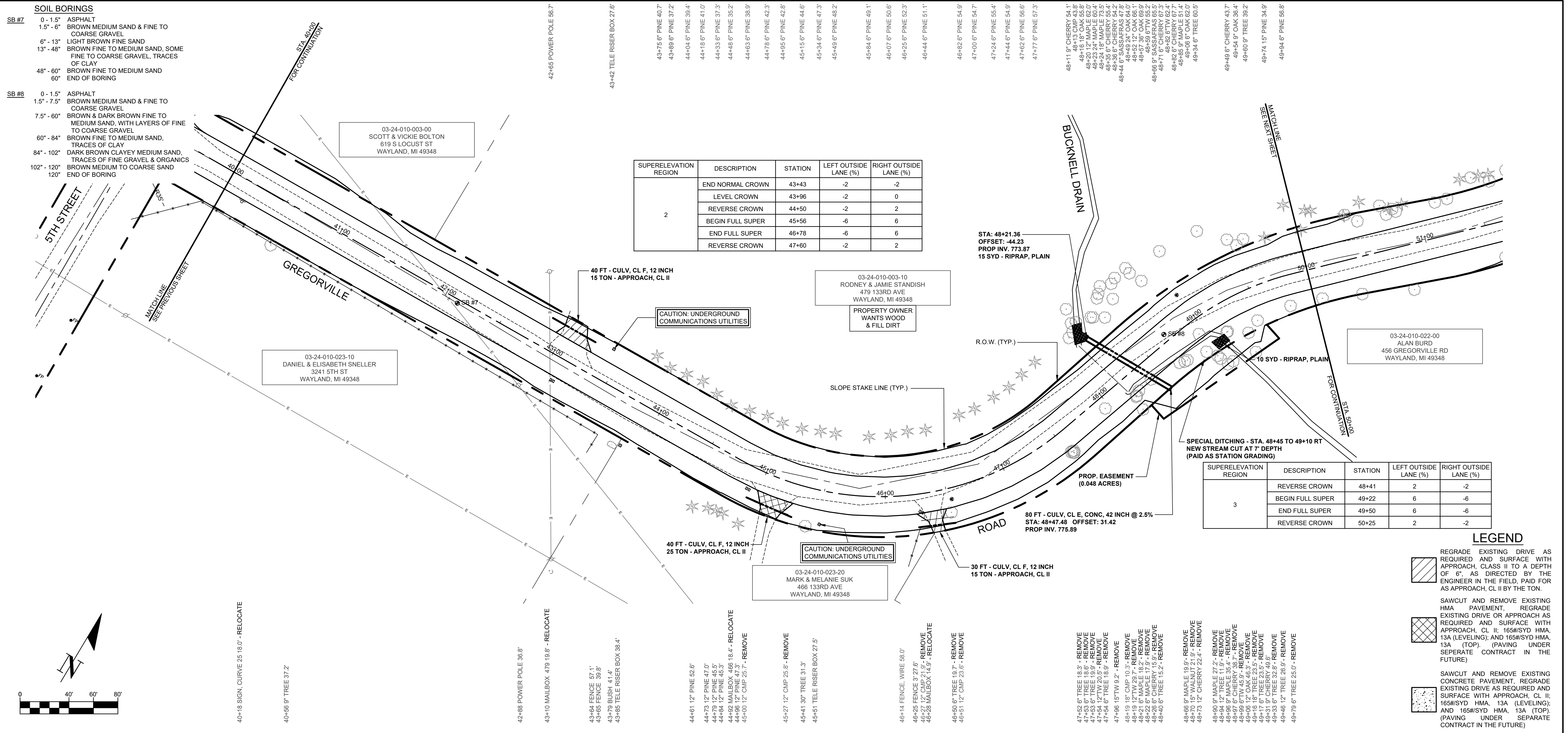
**SOIL BORINGS**

SB #7	0 - 1.5" ASPHALT
	1.5" - 6" BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
	6" - 13" LIGHT BROWN FINE SAND
	13" - 48" BROWN FINE TO MEDIUM SAND, SOME FINE TO COARSE GRAVEL, TRACES OF CLAY
	48" - 60" BROWN FINE TO MEDIUM SAND
	60" END OF BORING
SB #8	0 - 1.5" ASPHALT
	1.5" - 7.5" BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
	7.5" - 60" BROWN & DARK BROWN FINE TO MEDIUM SAND, WITH LAYERS OF FINE TO COARSE GRAVEL
	60" - 84" BROWN FINE TO MEDIUM SAND, TRACES OF CLAY
	84" - 102" DARK BROWN CLAYEY MEDIUM SAND, TRACES OF FINE GRAVEL & ORGANICS
	102" - 120" BROWN MEDIUM TO COARSE SAND
	120" END OF BORING

SUPERELEVATION REGION	DESCRIPTION	STATION	LEFT OUTSIDE LANE (%)	RIGHT OUTSIDE LANE (%)
2	END NORMAL CROWN	43+43	-2	-2
	LEVEL CROWN	43+96	-2	0
	REVERSE CROWN	44+50	-2	2
	BEGIN FULL SUPER	45+56	-6	6
	END FULL SUPER	46+78	-6	6
	REVERSE CROWN	47+60	-2	2

SUPERELEVATION REGION	DESCRIPTION	STATION	LEFT OUTSIDE LANE (%)	RIGHT OUTSIDE LANE (%)
3	REVERSE CROWN	48+41	2	-2
	BEGIN FULL SUPER	49+22	6	-6
	END FULL SUPER	49+50	6	-6
	REVERSE CROWN	50+25	2	-2

- LEGEND**
- REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CLASS II TO A DEPTH OF 6". AS DIRECTED BY THE ENGINEER IN THE FIELD, PAID FOR AS APPROACH, CL II BY THE TON.
  - SAWCUT AND REMOVE EXISTING HMA PAVEMENT. REGRADE EXISTING DRIVE OR APPROACH AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP). (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)
  - SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT. REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP). (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)



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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
PLAN & PROFILE - STA. 40+00 TO STA. 50+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: MARCH 2022  
SCALE: 1"= 40'H, 5'V

**SOIL BORINGS**  
 SB #10  
 0 - 2.5' ASPHALT  
 2.5' - 7' BROWN MEDIUM SAND & FINE TO COARSE GRAVEL  
 7' - 42" BROWN & DARK BROWN FINE TO MEDIUM SAND, TRACE FINE GRAVEL  
 42" - 60" BROWN FINE SAND  
 60" END OF BORING

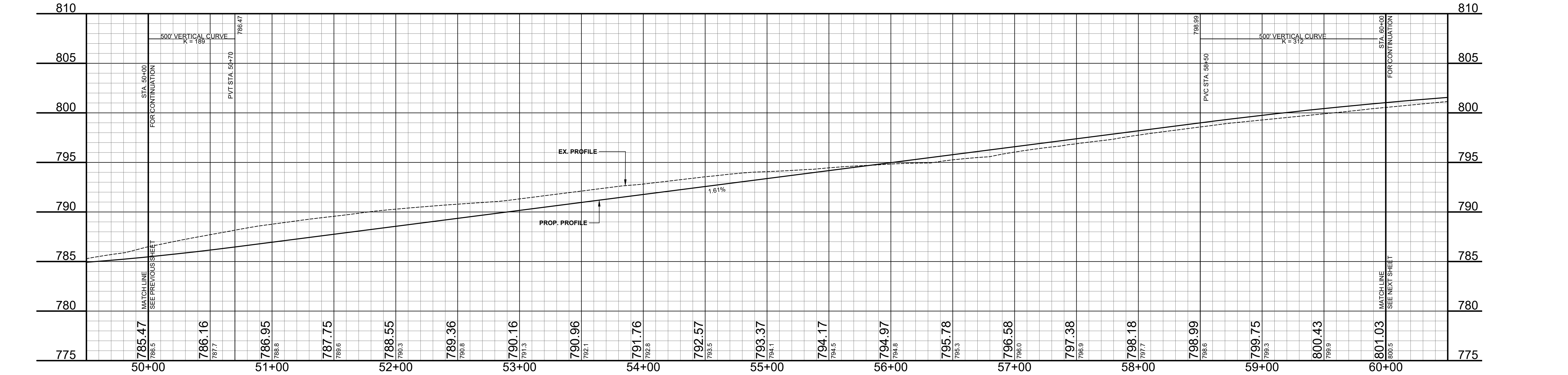
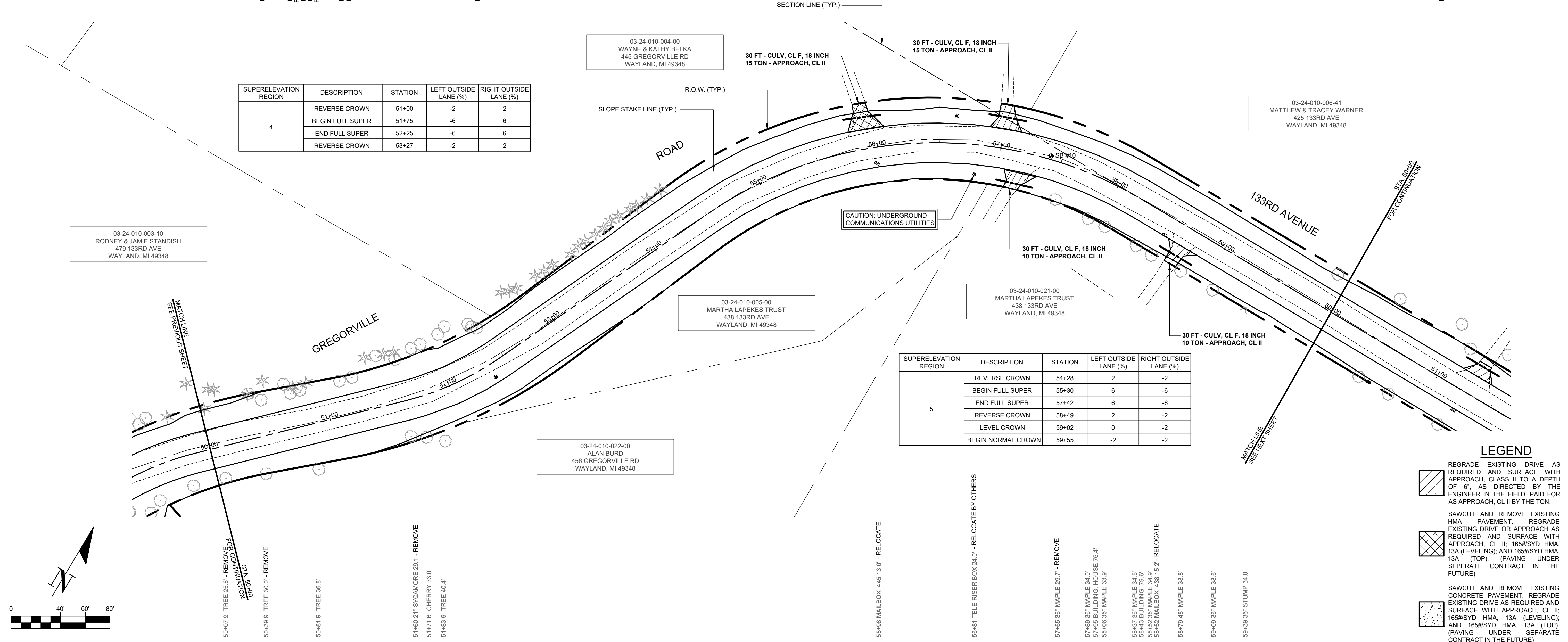
REMOVE - 50+03 6" PINE 33.3'  
 50+10 6" PINE 49.1'  
 50+15 6" PINE 46.5'  
 50+40 12" PINE 39.9'  
 50+41 12" OAK 39.3'  
 50+44 12" OAK 28.8'  
 50+54 9" PINE 44.1'  
 50+70 12" OAK 36.7'  
 REMOVE - 50+74 15" OAK 28.3'  
 REMOVE - 50+76 12" PINE 33.0'  
 REMOVE - 50+82 15" OAK 29.9'  
 REMOVE - 50+88 12" PINE 33.8'  
 REMOVE - 51+15 18" OAK 28.4'  
 REMOVE - 51+25 15" OAK 28.7'  
 51+39 6" PINE 42.2'  
 51+48 15" OAK 41.0'  
 51+52 15" OAK 44.1'  
 51+63 6" PINE 40.5'  
 51+80 6" OAK 39.4'  
 51+90 6" OAK 40.0'  
 52+10 6" CHERRY 41.8'  
 52+19 9" DEAD TREE 45.0'  
 52+45 6" TREE 30.5'  
 52+45 6" TREE 30.5'  
 52+78 12" PINE 43.4'  
 52+84 15" PINE 40.7'  
 52+90 15" PINE 38.7'  
 53+08 15" PINE 38.6'  
 53+16 9" PINE 37.5'  
 53+25 15" PINE 37.9'  
 53+42 15" PINE 36.5'  
 53+50 15" PINE 36.2'  
 53+57 15" PINE 38.7'  
 53+67 6" PINE 35.4'  
 53+75 6" PINE 36.6'  
 53+84 15" PINE 40.4'  
 53+91 15" PINE 39.9'  
 53+98 15" PINE 38.6'  
 54+06 6" PINE 36.6'  
 54+18 12" PINE 38.0'  
 54+31 12" PINE 35.0'

SUPERELEVATION REGION	DESCRIPTION	STATION	LEFT OUTSIDE LANE (%)	RIGHT OUTSIDE LANE (%)
4	REVERSE CROWN	51+00	-2	2
	BEGIN FULL SUPER	51+75	-6	6
	END FULL SUPER	52+25	-6	6
	REVERSE CROWN	53+27	-2	2

SUPERELEVATION REGION	DESCRIPTION	STATION	LEFT OUTSIDE LANE (%)	RIGHT OUTSIDE LANE (%)
5	REVERSE CROWN	54+28	2	-2
	BEGIN FULL SUPER	55+30	6	-6
	END FULL SUPER	57+42	6	-6
	REVERSE CROWN	58+49	2	-2
	LEVEL CROWN	59+02	0	-2
	BEGIN NORMAL CROWN	59+55	-2	-2

**LEGEND**

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03-24-010-003-10  
 RODNEY & JAMIE STANDISH  
 479 133RD AVE  
 WAYLAND, MI 49348

03-24-010-004-00  
 WAYNE & KATHY BELKA  
 445 GREGORVILLE RD  
 WAYLAND, MI 49348

03-24-010-005-00  
 MARTHA LAPEKES TRUST  
 438 133RD AVE  
 WAYLAND, MI 49348

03-24-010-022-00  
 ALAN BURD  
 456 GREGORVILLE RD  
 WAYLAND, MI 49348

03-24-010-021-00  
 MARTHA LAPEKES TRUST  
 438 133RD AVE  
 WAYLAND, MI 49348

03-24-010-006-41  
 MATTHEW & TRACEY WARNER  
 425 133RD AVE  
 WAYLAND, MI 49348

50+07 9" TREE 25.6' - REMOVE  
 50+09 4" S  
 50+39 9" TREE 30.0' - REMOVE  
 50+41 S  
 50+41 9" TREE 36.8'  
 51+40 21" SYCAMORE 29.1' - REMOVE  
 51+71 6" CHERRY 33.0'  
 51+83 9" TREE 40.4'  
 55+88 MAILBOX 445 13.0' - RELOCATE  
 56+81 TELE RISER BOX 24.0' - RELOCATE BY OTHERS  
 57+55 36" MAPLE 28.7' - REMOVE  
 57+89 36" MAPLE 34.0'  
 57+95 BUILDING, HOUSE 76.4'  
 58+06 36" MAPLE 33.9'  
 58+37 36" MAPLE 34.5'  
 58+43 BUILDING 79.6'  
 58+52 36" MAPLE 34.9'  
 59+02 MAILBOX 438 16.2' - RELOCATE  
 58+79 48" MAPLE 33.8'  
 59+09 36" MAPLE 33.6'  
 59+39 36" STUMP 34.0'

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 TELEPHONE (269) 673-2184

REVISIONS

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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
 WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
 PLAN & PROFILE - STA. 50+00 TO STA. 60+00

DRAWN BY: ACW  
 REVIEWED BY: RPB  
 DATE: MARCH 2022  
 SCALE: 1"= 40'H, 5V



**SOIL BORINGS**

SB #11	0 - 1.5'	ASPHALT
	1.5' - 6.5'	BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
	6.5' - 16'	DARK BROWN FINE SAND
	16' - 60'	BROWN FINE SAND
	60'	END OF BORING

60+42.6' TREE 37.8'  
 60+96.24' WALNUT 45.9'  
 REMOVE - 61+12.16' WALNUT 32.3'  
 61+40.36' WALNUT 45.7'

62+88.15' WALNUT 40.5'

REMOVE - 64+79.24' TREE 23.4'  
 REMOVE - 64+88.9' WALNUT 22.8'

REMOVE - 65+25.15' POPLAR 33.8'  
 REMOVE - 65+25.15' POPLAR 33.7'  
 REMOVE - 65+48.18' POPLAR 24.8'  
 REMOVE - 65+49.15' POPLAR 30.7'  
 REMOVE - 65+53' TELE RISER BOX 30.5'  
 REMOVE - 65+67.6' PINE 27.3'  
 REMOVE - 65+77.9' MAPLE 39.6'  
 REMOVE - 65+86.18' MAPLE 29.9'

REMOVE - 66+02.18' MAPLE 29.6'  
 REMOVE - 66+14.6' OAK 39.9'  
 REMOVE - 66+20.6' OAK 23.1'  
 REMOVE - 66+20.6' OAK 23.1'  
 REMOVE - 66+25.9' POPLAR 21.8'  
 REMOVE - 66+27.15' POPLAR 21.4'  
 REMOVE - 66+34.15' POPLAR 33.6'  
 REMOVE - 66+35.15' POPLAR 46.0'  
 REMOVE - 66+42.24' POPLAR 43.1'  
 REMOVE - 66+48.15' POPLAR 30.0'  
 REMOVE - 66+48.24' POPLAR 35.4'  
 REMOVE - 66+53.12' SASSAFRAS 29.0'  
 REMOVE - 66+53.12' SASSAFRAS 29.0'  
 REMOVE - 66+78.18' POPLAR 37.9'  
 REMOVE - 66+85.24' OAK 47.5'  
 REMOVE - 66+96.24' WALNUT 45.2'  
 REMOVE - 67+03.0' TREE 51.9'  
 REMOVE - 67+03.0' TREE 40.1'  
 REMOVE - 67+21.9' TREE 39.5'

68+80 FLAG POLE 39.0'  
 68+81 FNP FLAG POLE 39.0'  
 68+83 FLAG POLE 40.6'  
 68+85 FNP FLAG POLE 43.1'  
 68+90 BUSH 39.3'  
 69+59.6' PINE 33.5'  
 69+68.6' PINE 29.4'  
 69+75.6' PINE 45.9'  
 69+76.6' PINE 57.5'  
 69+77.6' PINE 65.5'  
 69+78.6' PINE 65.5'  
 69+80.6' OAK 89.2'  
 69+84.6' WALNUT 92.2'  
 69+86.6' WALNUT 92.2'  
 69+88.6' CHERRY 74.5'

03-24-010-006-41  
 MATTHEW & TRACEY WARNER  
 425 133RD AVE  
 WAYLAND, MI 49348

03-24-010-006-20  
 RODNEY & ELIZABETH MARSMAN  
 415 133RD AVE  
 WAYLAND, MI 49348

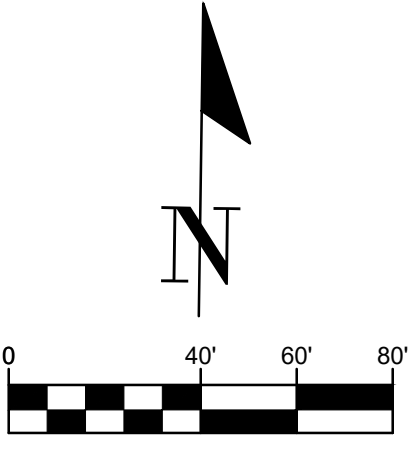
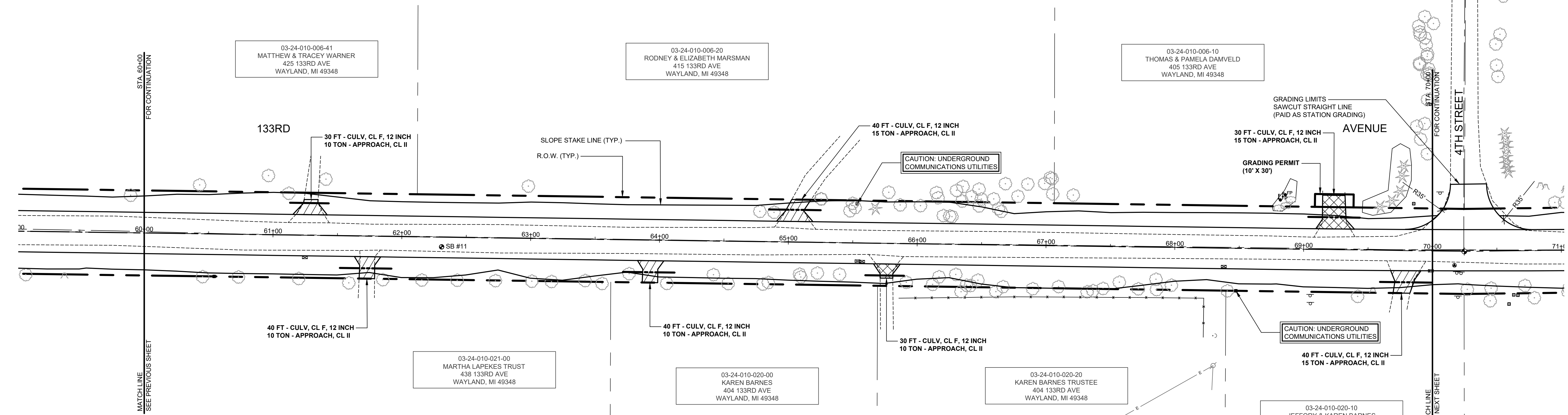
03-24-010-006-10  
 THOMAS & PAMELA DAMVELD  
 405 133RD AVE  
 WAYLAND, MI 49348

03-24-010-021-00  
 MARTHA LAPEKES TRUST  
 438 133RD AVE  
 WAYLAND, MI 49348

03-24-010-020-00  
 KAREN BARNES  
 404 133RD AVE  
 WAYLAND, MI 49348

03-24-010-020-20  
 KAREN BARNES TRUSTEE  
 404 133RD AVE  
 WAYLAND, MI 49348

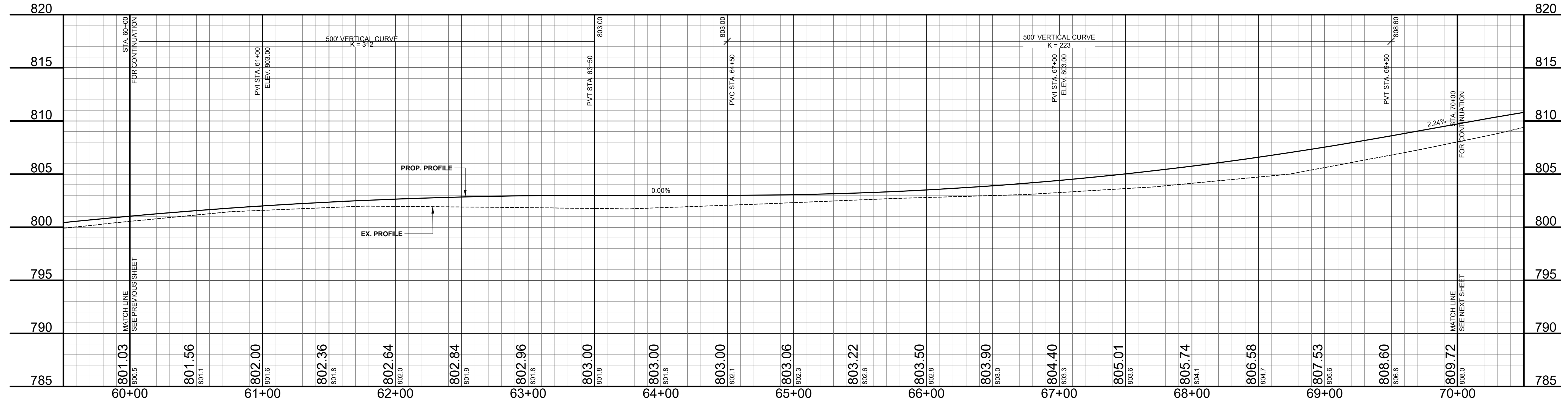
03-24-010-020-10  
 JEFFORY & KAREN BARNES  
 404 133RD AVE  
 WAYLAND, MI 49348



- 60+46.36' MAPLE 33.3'
- 60+55 TELE RISER BOX 33.0'
- 60+74.36' MAPLE 33.2'
- 61+20.36' MAPLE 33.7'
- 61+25 MAILBOX 425 17.3' - RELOCATE
- 61+59.12' WALNUT 36.5'
- 61+86.42' DEAD TREE 33.7'
- 62+16.36' MAPLE 33.5'
- 62+43.36' MAPLE 33.3'
- 62+73.36' MAPLE 33.2'
- 63+01.36' MAPLE 33.3'
- 63+17.36' MAPLE 33.3' - REMOVE
- 63+43.36' MAPLE 32.2' - REMOVE
- 63+56.30' MAPLE 34.3'
- 63+77.6' HICKORY 26.4' - REMOVE
- 64+06.12' TW 33.5'
- 64+42.6' MAPLE 26.2' - REMOVE
- 64+54.36' DEAD TREE 33.0' - REMOVE
- 64+81.24' TW 33.0' - REMOVE
- 64+85.12' OAK 31.7' - REMOVE
- 65+09.9' OAK 24.9' - REMOVE
- 65+10.9' OAK 27.1' - REMOVE
- 65+23.9' OAK 23.8' - REMOVE
- 65+40.9' OAK 24.6' - REMOVE
- 65+54 MAILBOX 415 14.0' - RELOCATE
- 65+57 MAILBOX 410 14.4' - RELOCATE
- 65+86 FENCE 3' 42.4'
- 65+92.24' MAPLE 30.0' - REMOVE
- 66+19.15' TREE 21.4' - REMOVE
- 66+17.15' MAPLE 23.4' - REMOVE
- 66+30.9' OAK 23.4' - REMOVE
- 66+35.24' OAK 38.7'
- 66+42.9' OAK 31.8' - REMOVE
- 66+47.9' CHERRY 27.6' - REMOVE
- 66+62.42' OAK 36.3'
- 66+67.9' CHERRY 32.4' - REMOVE
- 66+78 FENCE WIRE 40.1'
- 66+90.36' TW 33.6' - REMOVE
- 67+0.18' CHERRY 31.7' - REMOVE
- 67+32.38' OAK 36.4'
- 67+37.12' OAK 34.6'
- 67+45.12' OAK 32.7' - REMOVE
- 67+57.6' HICKORY 27.6' - REMOVE
- 67+79 FENCE WIRE 19.3'
- 67+72.24' CHERRY 32.6' - REMOVE
- 67+86.9' HICKORY 26.0' - REMOVE
- 67+88.24' CHERRY 33.0' - REMOVE
- 67+88.15' OAK 29.4' - REMOVE
- 68+23 FENCE WIRE 39.1'
- 68+23 FENCE WIRE 69.4'
- 68+30 CUV WIRE 66.1'
- 68+30 CUV WIRE 66.1'
- 68+38 MAILBOX 405 14.3' - RELOCATE
- 68+41.42' CHERRY 33.2'
- 68+48 TELE RISER BOX 33.0'
- 68+65 SIGN, GUNSHOP 36.0'
- 68+66 SIGN, GUNSHOP 42.2'
- 69+42.24' WALNUT 36.2'
- 69+54.48' STUMP 31.2' - REMOVE
- 69+59 MAILBOX 404 16.0' - RELOCATE

**LEGEND**

	REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CLASS II TO A DEPTH OF 6". AS DIRECTED BY THE ENGINEER IN THE FIELD, PAID FOR AS APPROACH, CL II BY THE TON.
	SAW/CUT AND REMOVE EXISTING HMA PAVEMENT. REGRADE EXISTING DRIVE OR APPROACH AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP). (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)
	SAW/CUT AND REMOVE EXISTING CONCRETE PAVEMENT. REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP). (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)



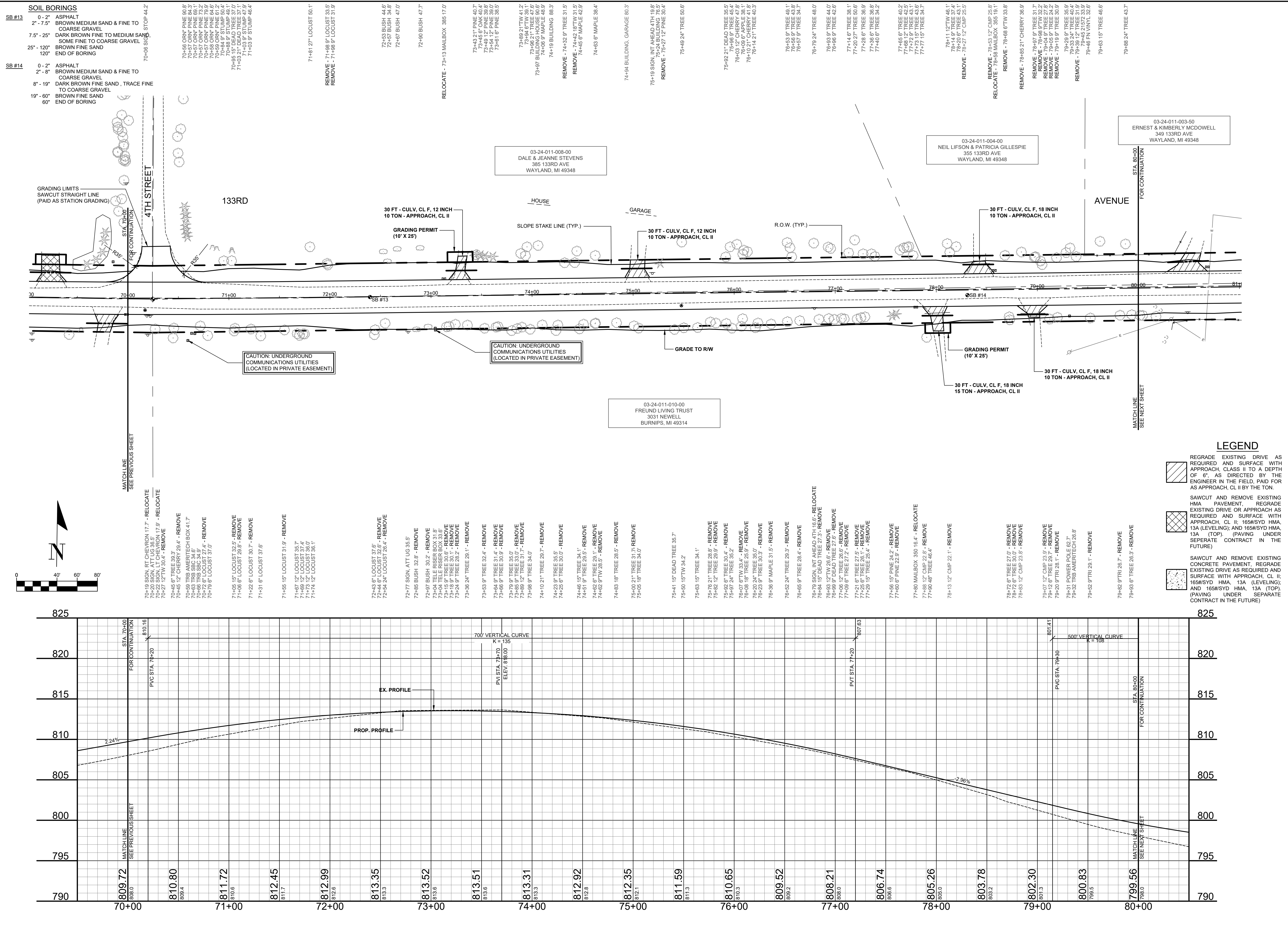
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**REVISIONS**

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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
 WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
 PLAN & PROFILE - STA. 60+00 TO STA. 70+00

DRAWN BY: ACW  
 REVIEWED BY: RPB  
 DATE: MARCH 2022  
 SCALE: 1"=40'H, 5V



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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
 WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
 PLAN & PROFILE - STA. 70+00 TO STA. 80+00

**DRAWN BY:** ACW  
**REVIEWED BY:** RPB  
**DATE:** MARCH 2022  
**SCALE:** 1"= 40'H, 5'V



SB #16	SOIL BORINGS
0 - 1.5'	ASPHALT
1.5' - 8.5'	BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
8.5' - 36'	DARK BROWN FINE SAND, SOME FINE TO COARSE GRAVEL & COBBLES
36' - 120'	BROWN SANDY, SILTY CLAY
120'	END OF BORING

80+36 FENCE 33.3'  
80+48 FENCE 55.4'

RELOCATE - 80+68 MAILBOX 349.20.1'

81+16.24" TREE 44.6'

REMOVE - 81+95 18" TREE 28.5'  
82+04 FENCE WOOD 65.0'

REMOVE - 82+15 18" CMP 34.0'  
REMOVE - 82+19 18" TREE 25.6'  
REMOVE - 82+25 15" TREE 39.7'

82+51 FENCE 84.2'

82+51 9" TW 39.7'

82+62 15" TREE 39.2'

83+03 9" TRI 47.4'

REMOVE - 83+45 6" TREE 39.4'  
PRESERVE - 83+54 END RR SWIPE 1.6'  
RELOCATE - 83+56 SIGN, LT CHEVRON 19.7'  
RELOCATE - 83+60 SIGN, RT CHEVRON 15.4'  
83+79 TRB AMERITECH 35.9'

RELOCATE - 86+39 MAILBOX 307.19.0'  
REMOVE - 86+48 12" CMP 29.2'

REMOVE - 86+72 12" CMP 27.4'

86+84 15" PINE 38.4'

REMOVE - 87+03 12" TREE 39.6'  
REMOVE - 87+07 12" TREE 31.8'

REMOVE - 87+27 12" TREE 30.0'

REMOVE - 87+46 24" MAPLE 34.8'  
REMOVE - 87+52 6" MAPLE 34.6'

REMOVE - 87+68 6" MAPLE 34.0'

RELOCATE - 89+03 12" CMP 27.3'  
RELOCATE - 89+08 MAILBOX 297.17.9'

REMOVE - 89+34 12" CMP 26.3'

03-24-011-003-50  
ERNEST & KIMBERLY MCDOWELL  
349 133RD AVE  
WAYLAND, MI 49348

03-24-011-003-51  
VERN STERLING  
307 133RD AVE  
WAYLAND, MI 49348

03-24-011-003-30  
VICTORIA SAUCIER  
297 133RD AVE  
WAYLAND, MI 49348

03-24-011-010-00  
FREUND LIVING TRUST  
3031 NEWELL  
BURNIPS, MI 49314

PROPERTY OWNER  
WANTS WOOD  
03-24-011-009-00  
JAMES & MARTHA KUDEJ  
300 133RD AVE  
WAYLAND, MI 49348

80+01 9" TRI 27.1' - REMOVE  
80+04 9" TRI 27.2' - REMOVE  
80+15 CUY WIRE 49.7' - RELOCATE BY OTHERS  
80+20 CUY WIRE 22.3' - RELOCATE BY OTHERS  
80+24 CUY WIRE 53.5'  
80+32 POWER POLE 31.3'  
80+32 FN CORD 41.5'  
80+36 FENCE 34' TELE MICH BELL 25.0'  
80+36 FENCE 31.6'

81+30 FENCE 33.8'

81+49 9" TRI 34.2'

81+89 21" DEAD TREE 41.6'

82+12 18" CMP 27.6' - REMOVE

82+89 12" POPLAR 41.5'  
82+89 12" POPLAR 46.0'

83+02 SIGN, STOP 43.5'  
83+78 TRB AMERITECH 57.3'

84+02 SIGN, ATT UG 23.4'

84+46 18" POPLAR 24.0' - REMOVE

84+80 24" POPLAR 21.7' - REMOVE  
84+82 18" TW 22.9' - REMOVE

85+08 24" POPLAR 26.0' - REMOVE

85+47 18" POPLAR 24.7' - REMOVE

85+81 18" POPLAR 23.2' - REMOVE

85+83 24" TW 21.9' - REMOVE  
85+86 12" POPLAR 21.9' - REMOVE

86+55 6" TREE 27.7' - REMOVE

86+80 FENCE 4' 31.3'

87+57 18" TW 21.1' - REMOVE  
87+59 FENCE WIRE 25.9'

87+74 18" POPLAR 21.4' - REMOVE  
87+74 18" POPLAR 21.4' - REMOVE  
87+81 24" POPLAR 22.0' - REMOVE

88+34 24" POPLAR 23.3' - REMOVE

88+57 FENCE WIRE 31.5'

88+83 15" TREE 24.5' - REMOVE  
88+85 9" OAK 28.0' - REMOVE

89+02 6" OAK 30.6' - REMOVE

89+15 18" TW 21.8' - REMOVE

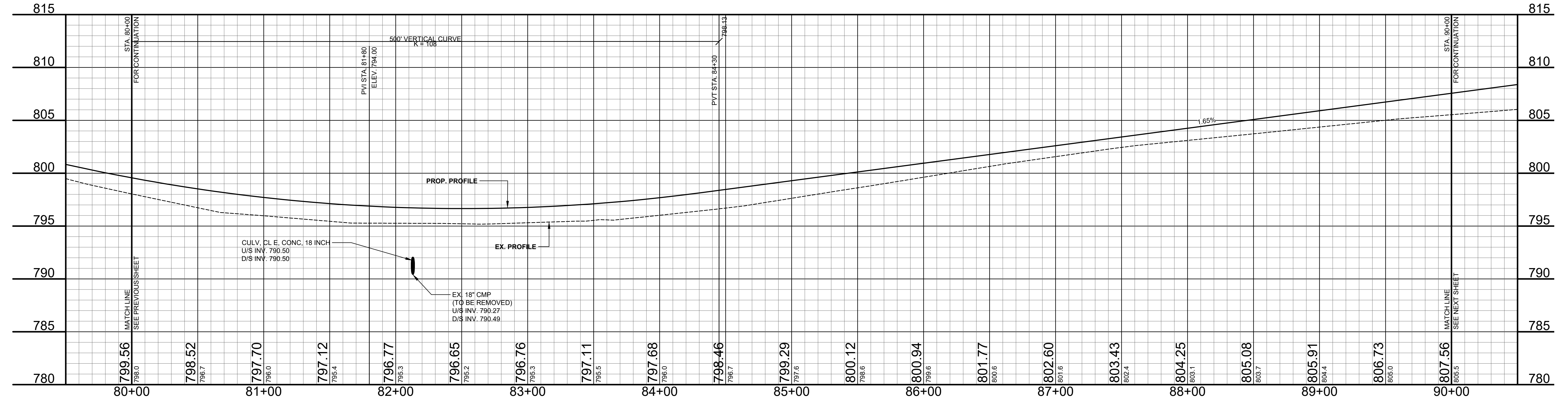
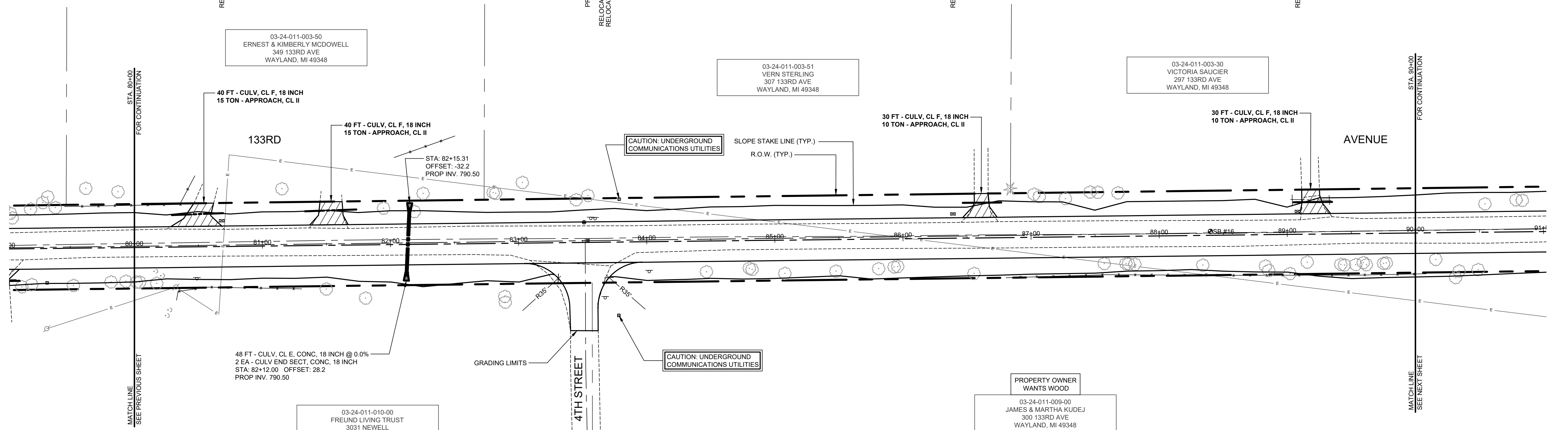
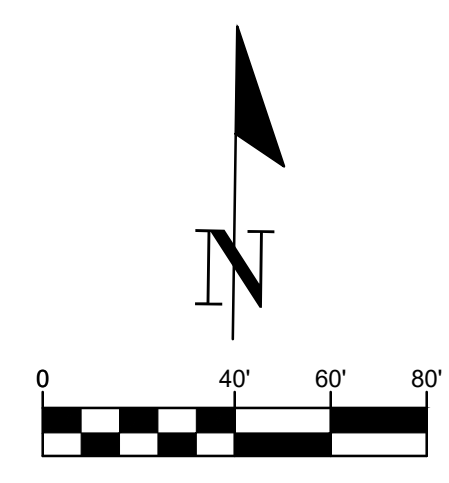
89+41 21" TREE 23.9' - REMOVE  
89+44 18" TREE 24.4' - REMOVE  
89+44 18" TREE 24.4' - REMOVE  
89+56 FENCE WIRE 32.4'  
89+59 24" TREE 22.7' - REMOVE  
89+62 24" TREE 23.5' - REMOVE  
89+62 24" TREE 23.5' - REMOVE  
89+77 30" TREE 23.2' - REMOVE

**LEGEND**

REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CLASS II TO A DEPTH OF 6". AS DIRECTED BY THE ENGINEER IN THE FIELD, PAID FOR AS APPROACH, CL II BY THE TON.

SAWCUT AND REMOVE EXISTING HMA PAVEMENT. REGRADE EXISTING DRIVE OR APPROACH AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) - (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)

SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT. REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) - (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)



**Board of County Road Commissioners  
Of Allegan County**  
1308 LINCOLN ROAD  
ALLEGAN, MICHIGAN 49010-9762  
www.alleganroads.org FAX (269) 673-5922  
TELEPHONE (269) 673-2184

REVISIONS
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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
PLAN & PROFILE - STA. 80+00 TO STA. 90+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: MARCH 2022  
SCALE: 1"= 40'H, 5V

**SOIL BORINGS**  
 SB #17  
 0 - 1.5' ASPHALT  
 1.5' - 9.5' BROWN MEDIUM SAND & FINE TO COARSE GRAVEL  
 9.5' - 60" DARK BROWN CLAYEY FINE SAND, TRACE FINE TO COARSE GRAVEL, COBBLES THROUGHOUT, OCCASIONAL TRACE ORGANICS  
 60" END OF BORING

REMOVE - 90+34.6' TRI 22.1'

REMOVE - 90+79.6' TW 25.0'  
 REMOVE - 90+84.6' TRI 24.5'

91+84 FENCE 35.0'

RELOCATE - 92+60 MAILBOX 300 19.3'  
 92+60 MAILBOX 300 19.3'  
 92+62 FENCE 52.1'  
 92+76.2' TREE 47.1'

REMOVE - 92+88 12' CMP 27.4'

RELOCATE - 93+26 12' CMP 25.7'  
 REMOVE - 93+26 12' CMP 25.7'

93+30 30' PINE 35.7'  
 93+35 21' PINE 45.7'  
 93+39 30' PINE 55.7'

93+85 TELE RISER BOX 30.9'

94+23 BUILDING 75.3'  
 REMOVE - 94+30 15' PINE 34.7'  
 REMOVE - 94+32 9' PINE 34.4'  
 REMOVE - 94+37 15' PINE 34.1'  
 REMOVE - 94+48 6' PINE 33.5'  
 REMOVE - 94+58 15' PINE 35.5'  
 94+58 BUILDING HOUSE 74.2'  
 REMOVE - 94+50 15' PINE 35.7'  
 REMOVE - 94+50 15' PINE 35.7'

RELOCATE - 94+98 SIGN LIONS 26.3'  
 94+98 SIGN LIONS 26.3'  
 RELOCATE - 94+98 SIGN LIONS 26.3'  
 REMOVE - 94+86 6' MAPLE 47.3'  
 REMOVE - 95+27 24' MAPLE 34.5'

REMOVE - 95+67 ORN MAPLE 34.4'

REMOVE - 96+03 27' MAPLE 34.1'

96+73 SIGN, DEERVIEV 29.9'

96+86 36' MAPLE 35.9'  
 97+06 27' MAPLE 36.9'  
 97+19 9' MAPLE 35.1'

97+34 27' MAPLE 36.5'  
 97+47 27' MAPLE 37.1'

97+70 9' MAPLE 36.7'  
 97+79 27' TREE 38.5'

REMOVE - 98+07 12' CHERRY 34.8'  
 REMOVE - 98+13 18' CMP 27.0'  
 98+28 24' TREE 39.9'

REMOVE - 98+90 6' PINE 33.0'  
 REMOVE - 98+97 24' CHERRY 33.3'  
 99+08 12' TW 35.4'

REMOVE - 99+61 14' MAPLE 35.4'  
 99+61 6' TREE 37.8'  
 99+62 12' TREE 36.2'

03-24-011-003-30  
 VICTORIA SAUCIER  
 297 133RD AVE  
 WAYLAND, MI 49348

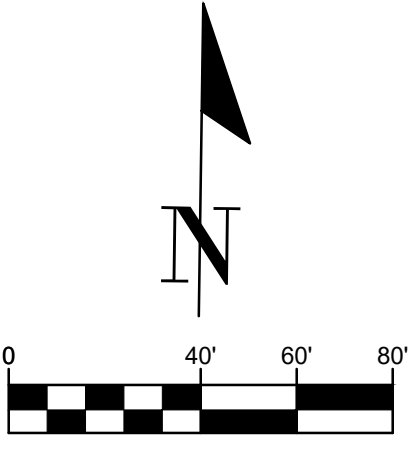
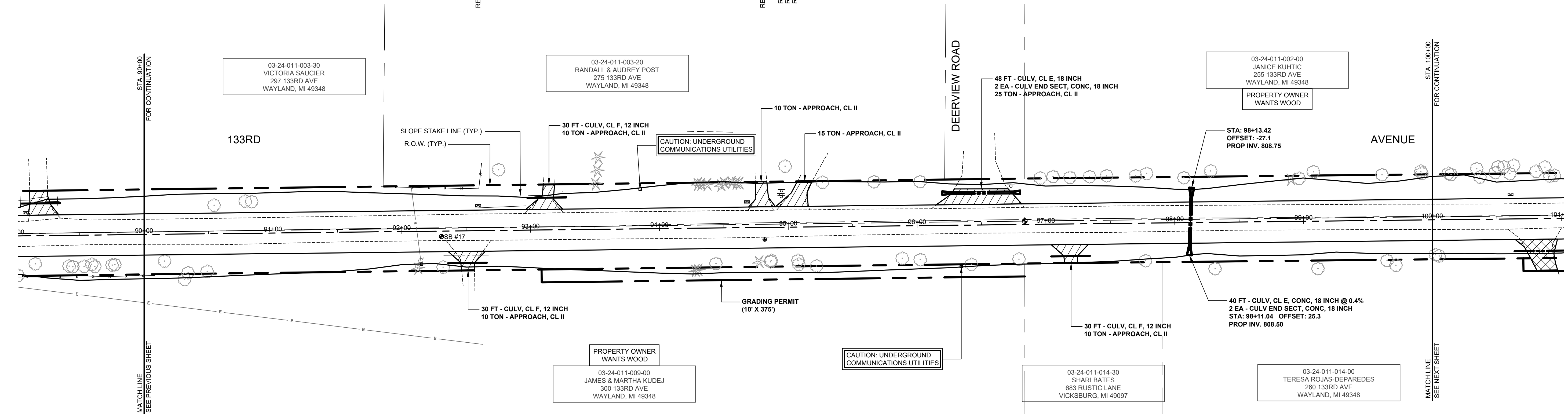
03-24-011-003-20  
 RANDALL & AUDREY POST  
 275 133RD AVE  
 WAYLAND, MI 49348

03-24-011-002-00  
 JANICE KUHTIC  
 255 133RD AVE  
 WAYLAND, MI 49348  
 PROPERTY OWNER  
 WANTS WOOD

03-24-011-009-00  
 JAMES & MARTHA KUDEJ  
 300 133RD AVE  
 WAYLAND, MI 49348  
 PROPERTY OWNER  
 WANTS WOOD

03-24-011-014-30  
 SHARI BATES  
 683 RUSTIC LANE  
 VICKSBURG, MI 49097

03-24-011-014-00  
 TERESA ROJAS-DEPAREDES  
 260 133RD AVE  
 WAYLAND, MI 49348



90+08 FENCE WIRE 32.0'  
 90+16 24' TW 20.9' - REMOVE

90+31 18' TREE 35.3'  
 90+34 6' TREE 30.2' - REMOVE

90+48 6' APPLE 29.2' - REMOVE

92+12 15' PINE 28.4' - REMOVE  
 92+15 TRB AMERITECH 25.5'  
 92+32 27' HICKORY 28.0' - REMOVE  
 92+32 12' CMP 18.8' - REMOVE

92+87 12' CMP 18.8' - REMOVE

94+27 12' PINE 32.6' - REMOVE  
 94+29 12' PINE 32.3' - REMOVE  
 94+43 9' TREE 27.6' - REMOVE

94+77 9' PINE 26.5' - REMOVE  
 94+86 6' TW 29.7' - REMOVE  
 94+86 6' TW 25.7' - REMOVE

95+07 6' TREE 26.0' - REMOVE  
 95+08 6' TW 26.9' - REMOVE  
 95+22 24' TREE 30.4' - REMOVE

95+88 24' WALNUT 25.2' - REMOVE

96+02 24' WALNUT 26.4' - REMOVE

96+34 TRB SEC 32.1'  
 96+42 24' WALNUT 30.5' - REMOVE

96+79 9' TRI 26.9' - REMOVE

97+79 9' TREE 29.2' - REMOVE

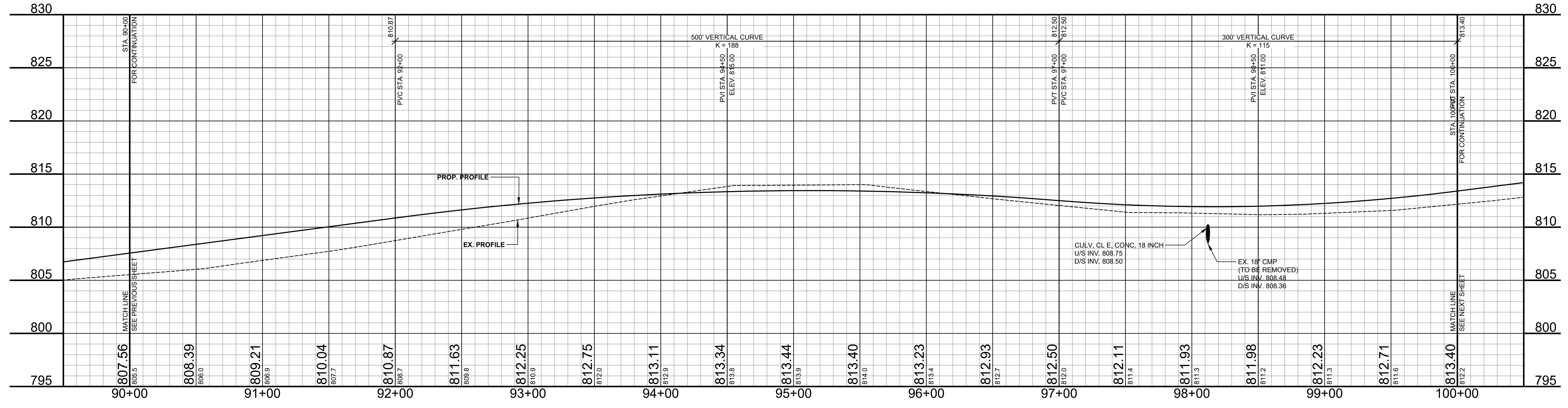
98+11 18' CMP 21.0' - REMOVE

98+31 6' MAPLE 36.1'

99+11 15' TW 36.9'

99+64 12' TREE 31.2'  
 99+71 12' TREE 35.0'

**LEGEND**  
 REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CLASS II TO A DEPTH OF 6". AS DIRECTED BY THE ENGINEER IN THE FIELD, PAID FOR AS APPROACH, CL II BY THE TON.  
 SAWCUT AND REMOVE EXISTING HMA PAVEMENT. REGRADE EXISTING DRIVE OR APPROACH AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)  
 SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT. REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)



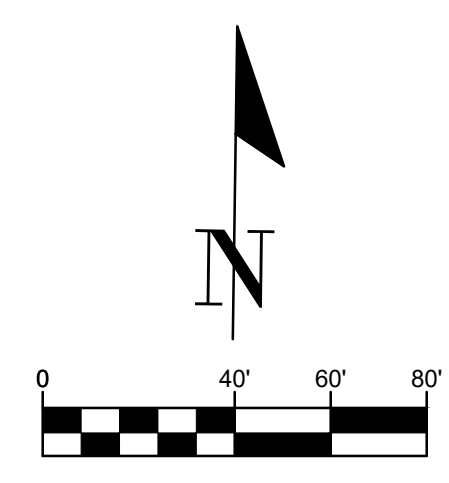
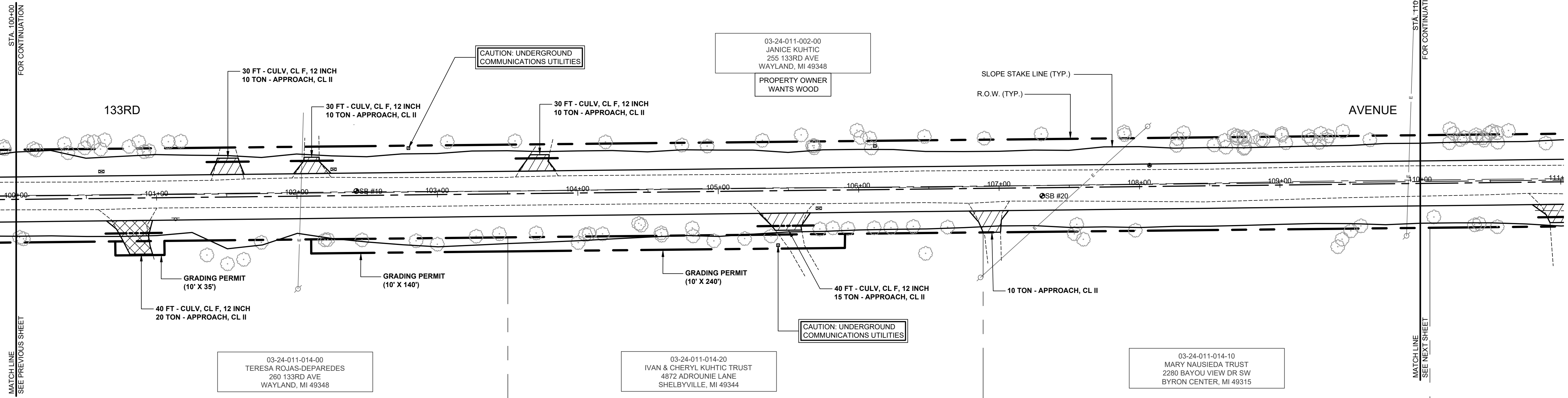
**Board of County Road Commissioners  
 Of Allegan County**  
 1308 LINCOLN ROAD  
 ALLEGAN, MICHIGAN 49010-9762  
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REVISIONS	
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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
 WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
 PLAN & PROFILE - STA. 90+00 TO STA. 100+00

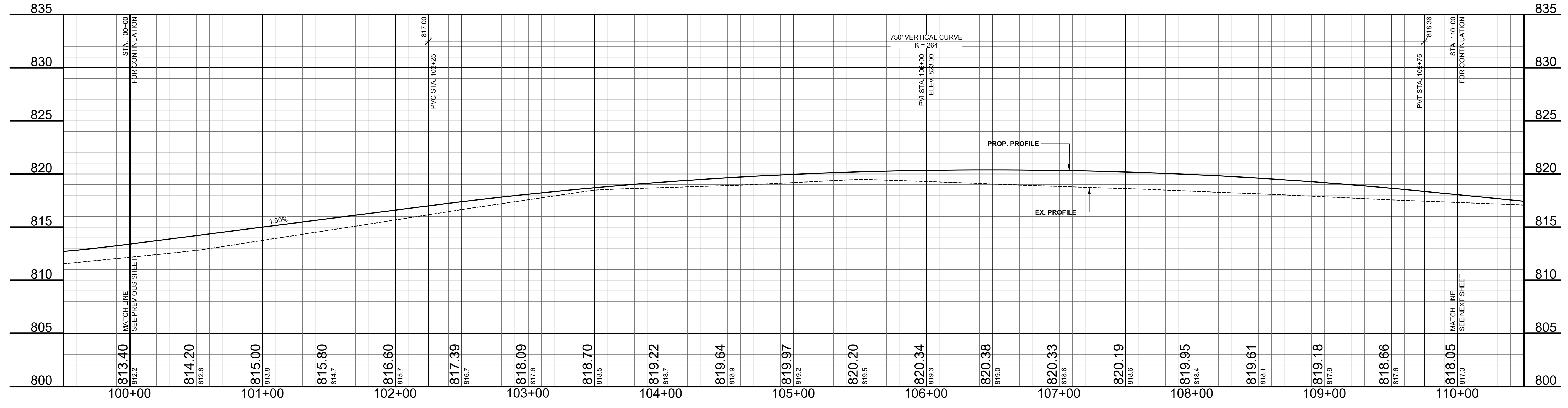
DRAWN BY: ACW  
 REVIEWED BY: RPB  
 DATE: MARCH 2022  
 SCALE: 1"= 40'H, 5'V

- SOIL BORINGS**
- SB #19**
- 0 - 1.5' ASPHALT
  - 1.5' - 8" BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
  - 8" - 28" DARK BROWN FINE SAND, TRACT TO COARSE GRAVEL & COBBLES
  - 28" - 60" BROWN MEDIUM SAND
  - 60" END OF BORING
- SB #20**
- 0 - 1.5' ASPHALT
  - 1.5' - 7" BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
  - 7" - 17" DARK BROWN FINE SAND
  - 17" - 60" LIGHT BROWN FINE SAND
  - 60" END OF BORING



- 100-02 12" TREE 27.1' - REMOVE
- 100-05 12" TREE 28.1' - REMOVE
- 101-13 SIGN, 260 15.5' - RELOCATE
- 101-35 12" TREE 41.1'
- 101-50 24" MAPLE 47.6'
- 101-61 24" MAPLE 44.8'
- 101-74 27" MAPLE 32.6'
- 101-99 POWER POLE 66.0'
- 102-19 9" WALNUT 31.3' - REMOVE
- 102-22 9" WALNUT 31.2' - REMOVE
- 102-46 12" WALNUT 31.7' - REMOVE
- 102-84 21" TREE 32.7' - REMOVE
- 102-99 12" OAK 35.4' - REMOVE
- 103-27 6" OAK 30.0' - REMOVE
- 103-44 6" MAPLE 28.4' - REMOVE
- 103-70 48" OAK 28.2' - REMOVE
- 103-69 12" TREE 35.9' - REMOVE
- 104-05 6" MAPLE 29.7' - REMOVE
- 104-08 6" MAPLE 29.2' - REMOVE
- 104-17 9" MAPLE 29.3' - REMOVE
- 104-43 15" TREE 22.2' - REMOVE
- 104-45 15" TREE 23.4' - REMOVE
- 104-59 6" MAPLE 29.1' - REMOVE
- 104-59 6" MAPLE 30.8' - REMOVE
- 104-81 12" CHERRY 25.9' - REMOVE
- 104-82 6" MAPLE 31.5' - REMOVE
- 104-96 15" MAPLE 36.2' - REMOVE
- 105-18 36" OAK 33.8' - REMOVE
- 105-37 12" MAPLE 39.2' - REMOVE
- 105-42 TELE RISER BOX 33.9'
- 105-71 MAILBOX 240 12.8' - RELOCATE
- 105-72 30" CATALPA 27.6' - REMOVE
- 105-81 24" CATALPA 25.9' - REMOVE
- 105-82 24" CATALPA 27.4' - REMOVE
- 106-11 30" CATALPA 27.2' - REMOVE
- 106-23 30" CATALPA 27.2' - REMOVE
- 106-39 24" DEAD TREE 26.6' - REMOVE
- 106-47 36" MAPLE 46.8'
- 106-63 30" MAPLE 27.3' - REMOVE
- 106-86 POWER POLE 63.3'
- 107-53 12" TREE 33.0'
- 107-55 21" TREE 26.4' - REMOVE
- 107-60 6" TRI 37.0'
- 107-97 15" TREE 31.0' - REMOVE
- 108-41 12" TREE 44.4'
- 108-45 9" TREE 33.2'
- 108-57 15" TREE 29.7' - REMOVE
- 108-90 POWER POLE 97.2'

- LEGEND**
- REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CLASS II TO A DEPTH OF 6". AS DIRECTED BY THE ENGINEER IN THE FIELD, PAID FOR AS APPROACH, CL II BY THE TON.
  - SAWCUT AND REMOVE EXISTING HMA PAVEMENT. REGRADE EXISTING DRIVE OR APPROACH AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)
  - SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT. REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)



**Board of County Road Commissioners  
Of Allegan County**

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ALLEGAN, MICHIGAN 49010-9762  
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REVISIONS	
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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD

PLAN & PROFILE - STA. 100+00 TO STA. 110+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: MARCH 2022  
SCALE: 1"= 40'H, 5'V



**SOIL BORINGS**  
 SB #22  
 0 - 2" ASPHALT  
 2" - 7.5" BROWN MEDIUM SAND & FINE TO COARSE GRAVEL  
 7.5" - 17" DARK BROWN FINE SAND  
 17" - 39" BROWN FINE TO MEDIUM SAND  
 39" - 60" BROWN SANDY CLAY  
 60" END OF BORING

REMOVE - 110+21.18" TREE 28.6'  
 REMOVE - 110+24.6" TREE 35.6'  
 REMOVE - 110+29.9" TREE 30.9'  
 REMOVE - 110+40.12" TREE 33.0'  
 REMOVE - 110+40.12" TREE 34.1'  
 REMOVE - 110+43.12" TREE 35.3'  
 REMOVE - 110+43.12" TREE 35.9'  
 REMOVE - 110+50.15" TREE 35.5'  
 REMOVE - 110+51.37" TREE 36.6'  
 REMOVE - 110+52.11" TREE 29.7'  
 REMOVE - 110+59.6" TREE 37.0'  
 REMOVE - 110+90.6" TREE 27.7'

133RD

SLOPE STAKE LINE (TYP.)  
 R.O.W. (TYP.)

03-24-011-002-00  
 JANICE KUHTIC  
 255 133RD AVE  
 WAYLAND, MI 49348

CAUTION: UNDERGROUND COMMUNICATIONS UTILITIES

AVENUE

GRADING PERMIT (7.5' X 510')

03-24-011-012-00  
 DIRK & JENNY VANDEBUNTE  
 238 133RD AVE  
 WAYLAND, MI 49348

30 FT - CULV. CL. F, 12 INCH 15 TON - APPROACH, CL II

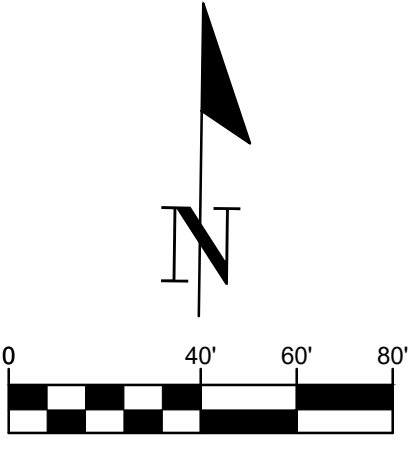
03-24-011-013-00  
 DWIGHT VANDRINED  
 220 133RD AVE  
 WAYLAND, MI 49348

STA. 120+00 FOR CONTINUATION

STA. 110+00 FOR CONTINUATION

MATCHLINE SEE PREVIOUS SHEET

MATCHLINE SEE NEXT SHEET



110+09.18" TREE 24.0' - REMOVE  
 110+38.18" TREE 29.9' - REMOVE  
 110+42.21" TREE 29.2' - REMOVE  
 110+54.12" TREE 31.4' - REMOVE  
 110+62.12" CMP 20.2' - REMOVE  
 111+24.12" CMP 21.1' - REMOVE  
 111+36 MAILBOX 238 16.5' - RELOCATE

113+31.15" TW 28.3' - REMOVE  
 113+45.12" TREE 26.7' - REMOVE  
 113+46.12" TREE 27.4' - REMOVE  
 113+55.12" TW 27.0' - REMOVE  
 113+55.12" TREE 26.6' - REMOVE  
 113+61.6" TREE 28.7' - REMOVE  
 113+72.6" TREE 28.9' - REMOVE  
 113+82.15" TREE 28.3' - REMOVE  
 113+86.15" TREE 28.2' - REMOVE  
 113+93.15" TREE 27.4' - REMOVE

114+14.12" TW 26.3' - REMOVE  
 114+30.6" TRI 25.9' - REMOVE  
 114+36.6" TRI 26.1' - REMOVE  
 114+49.12" TREE 28.2' - REMOVE  
 114+49.12" TREE 31.2' - REMOVE  
 114+66.12" TW 30.1' - REMOVE  
 114+80.9" TREE 31.1' - REMOVE  
 114+88.24" TREE 28.3' - REMOVE

115+14.6" TW 28.1' - REMOVE  
 115+25.12" TREE 28.3' - REMOVE  
 115+62.6" TRI 25.6' - REMOVE

116+24.9" TREE 30.3' - REMOVE  
 116+30.9" TREE 28.9' - REMOVE  
 116+68.15" MAPLE 25.0' - REMOVE

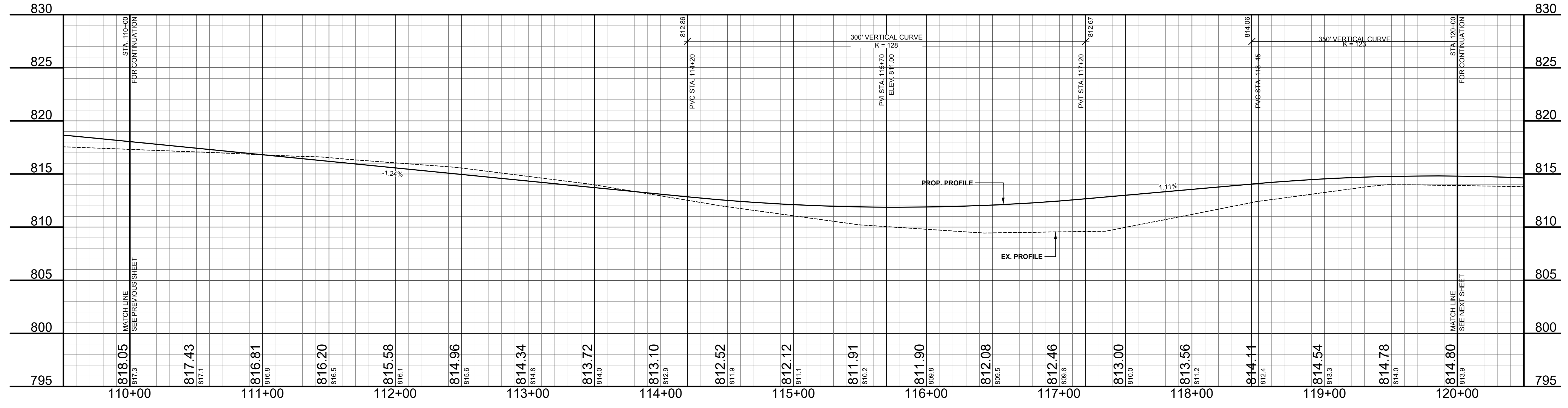
117+13.9" TREE 28.3' - REMOVE  
 117+14.9" TREE 28.4' - REMOVE  
 117+33.6" TREE 28.9' - REMOVE  
 117+33.9" TREE 32.7'

118+30 TELE RISER BOX 36.3'

RELOCATE - 118+92 MAILBOX 220 21.7'  
 118+92 TELE RISER BOX 31.0'  
 REMOVE - 119+01.15" TREE 23.7'  
 REMOVE - 119+09.12" TREE 24.4'  
 REMOVE - 119+19.6" PINE 34.0'  
 REMOVE - 119+22.12" TREE 24.4'  
 119+33.30" TREE 37.0'  
 119+34.6" TREE 43.9'  
 119+46.6" TREE 43.1'  
 119+53.6" TREE 42.4'  
 REMOVE

119+36 BUILDING 91.6'  
 119+36 BUILDING 87.8'  
 119+40 BUILDING 86.1'  
 119+40 BUILDING 86.2'  
 119+47 BUILDING 86.2'  
 119+47 BUILDING 86.2'  
 119+47 BUILDING 87.9'  
 119+58 36" TREE 41.3'  
 119+58 36" TREE 41.3'  
 119+58 BUILDING 87.9'  
 119+64.15" TREE 45.7'  
 119+83.12" TW 29.2' - REMOVE  
 120+00 12" TRI 26.0' - REMOVE

- LEGEND**
- REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CLASS II TO A DEPTH OF 6". AS DIRECTED BY THE ENGINEER IN THE FIELD, PAID FOR AS APPROACH, CL II BY THE TON.
  - SAWCUT AND REMOVE EXISTING HMA PAVEMENT. REGRADE EXISTING DRIVE OR APPROACH AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP). (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)
  - SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT. REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP). (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)



NO.	REVISIONS
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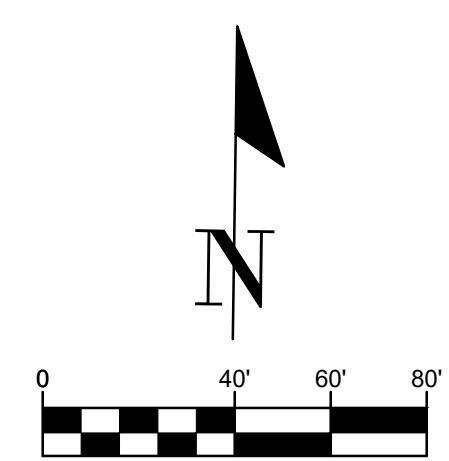
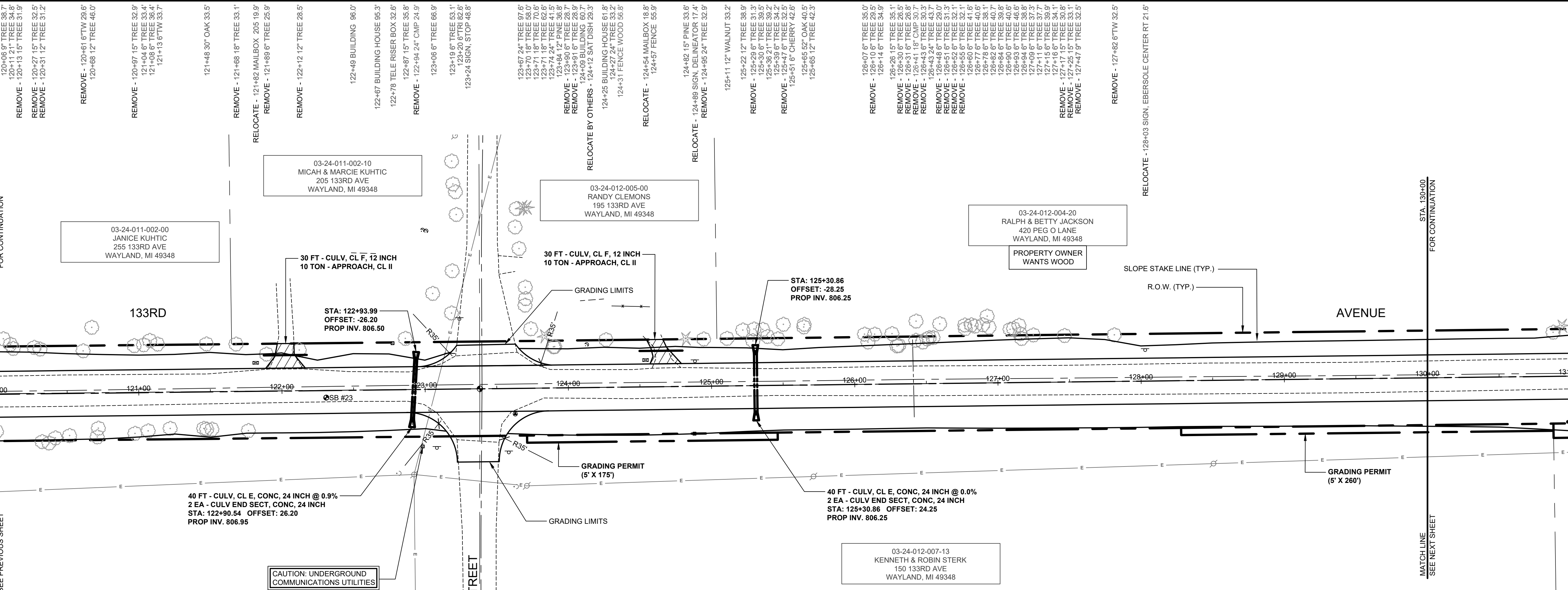
**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
 WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD

PLAN & PROFILE - STA. 110+00 TO STA. 120+00

DRAWN BY: ACW  
 REVIEWED BY: RPB  
 DATE: MARCH 2022  
 SCALE: 1" = 40'H, 5'V

**SOIL BORINGS**

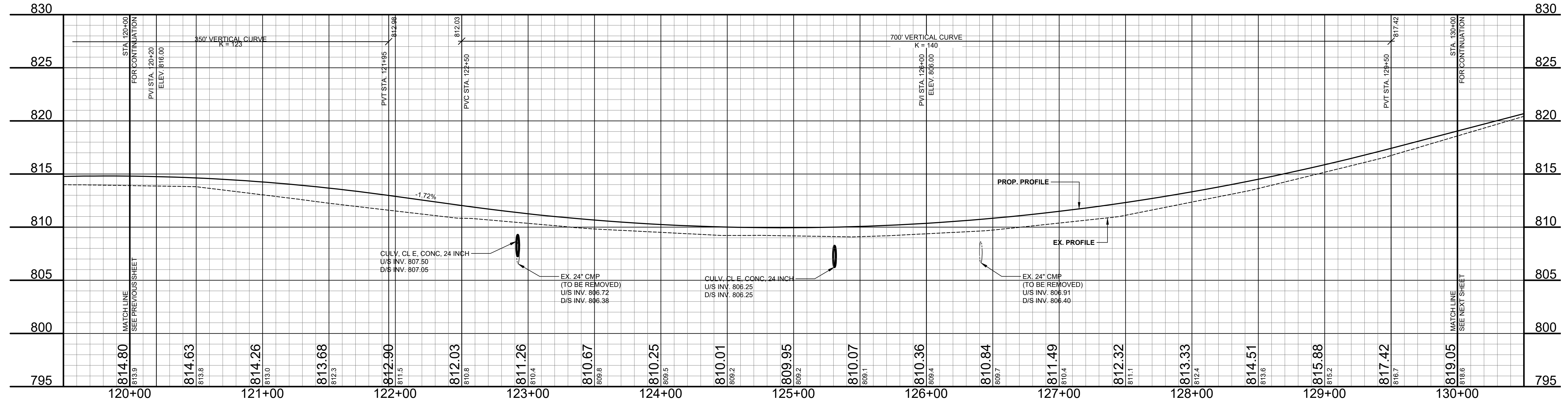
SB #23	0' - 2" ASPHALT
	2' - 8" BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
	8" - 24" DARK BROWN FINE SAND, SOME FINE TO COARSE GRAVEL
	24" - 60" BROWN FINE SAND
	60" END OF BORING



- 120+00 12" TR 26.0' - REMOVE
- 120+32 6" TREE 33.5' - REMOVE
- 120+37 6" TREE 34.4' - REMOVE
- 120+41 6" TREE 31.0' - REMOVE
- 120+51 6" TREE 29.4' - REMOVE
- 120+71 6" TREE 30.6' - REMOVE
- 120+71 6" TREE 24.5' - REMOVE
- 120+97 9" TW 28.4' - REMOVE
- 121+06 12" TW 26.8' - REMOVE
- 121+22 12" TW 25.2' - REMOVE
- 121+45 12" TW 25.5' - REMOVE
- 121+51 12" TW 26.1' - REMOVE
- 121+76 6" TREE 27.4' - REMOVE
- 122+80 GUY WIRE 56.4'
- 122+91 24" CMP 24.5' - REMOVE
- 122+92 POWER POLE 69.3'
- 122+98 TELE. MICH BELL 41.0'
- 123+68 SIGN, STOP 44.7'
- 123+61 GUY WIRE 66.6'
- 123+70 POWER POLE 68.1'
- 124+88 TELE RISER BOX 33.1'
- 125+70 POWER POLE 63.9'
- 126+41 18" CMP 23.2' - REMOVE
- 128+50 POWER POLE 59.2'

**LEGEND**

[Symbol]	REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CLASS II TO A DEPTH OF 6" AS DIRECTED BY THE ENGINEER IN THE FIELD, PAID FOR AS APPROACH, CL II BY THE TON.
[Symbol]	SAWCUT AND REMOVE EXISTING HMA PAVEMENT. REGRADE EXISTING DRIVE OR APPROACH AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) - (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)
[Symbol]	SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT. REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) - (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)



**Board of County Road Commissioners  
Of Allegan County**  
1308 LINCOLN ROAD  
ALLEGAN, MICHIGAN 49010-9762  
www.alleganroads.org FAX (269) 673-5922  
TELEPHONE (269) 673-2184

**REVISIONS**

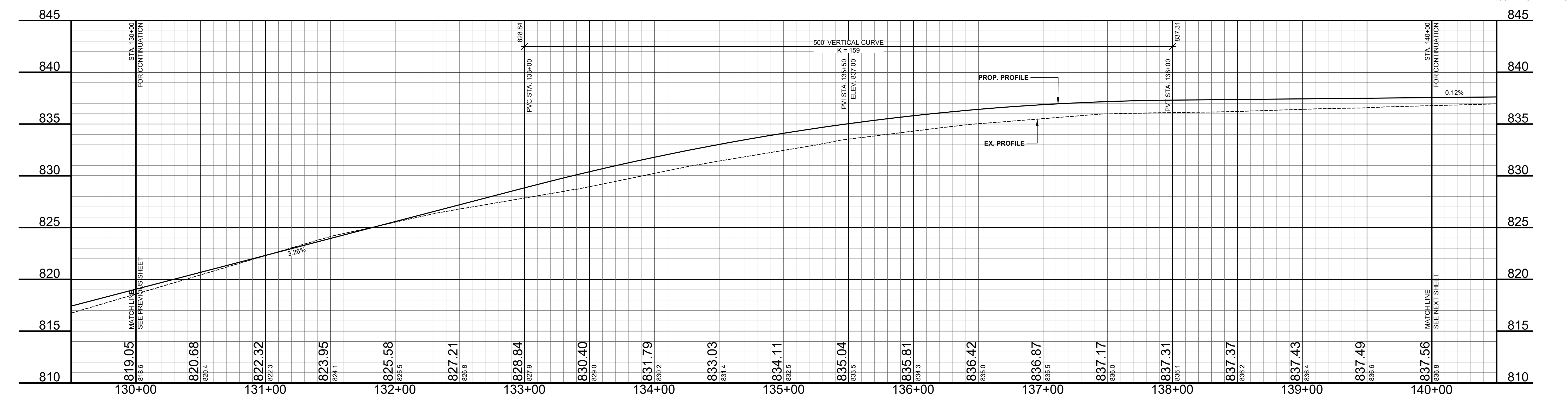
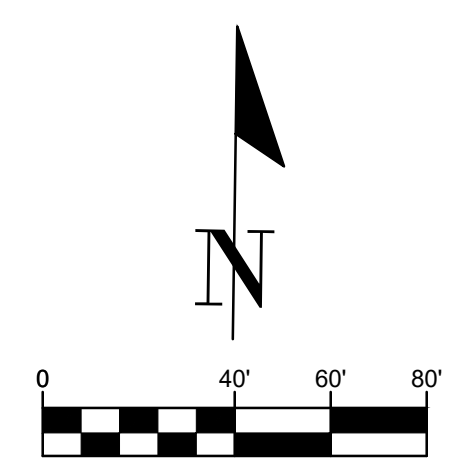
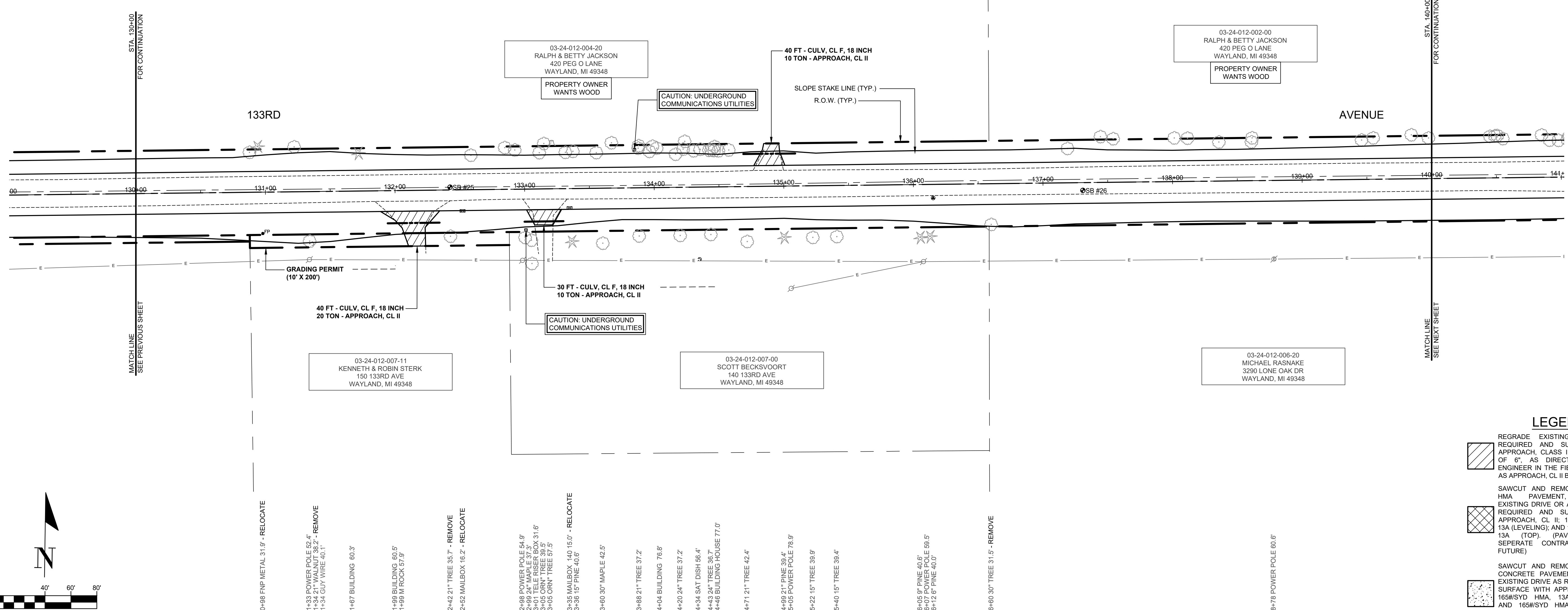
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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
PLAN & PROFILE - STA. 120+00 TO STA. 130+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: MARCH 2022  
SCALE: 1"= 40', 5V

SOIL BORINGS	
SB #25	0 - 2" ASPHALT 2' - 6" BROWN MEDIUM SAND & FINE TO COARSE GRAVEL 6" - 24" DARK BROWN FINE SAND, SOME FINE TO COARSE GRAVEL, TRACE CLAY 24" - 60" BROWN MEDIUM SAND 60" END OF BORING
SB #26	0 - 2" ASPHALT 2' - 7" BROWN MEDIUM SAND & FINE TO COARSE GRAVEL 7' - 24" DARK BROWN & BROWN FINE SAND, TRACE FINE TO COARSE GRAVEL 24" - 60" BROWN MEDIUM TO COARSE SAND 60" END OF BORING

REMOVE - 130+98 6" TREE 30.6'  
130+94 6" PINE 35.3'  
131+23 32' OAK 34.6'  
REMOVE - 131+72 6" PINE 29.3'  
REMOVE - 132+59 6" TREE 26.6'  
REMOVE - 132+45 6" TREE 32.2'  
REMOVE - 132+93 6" TREE 30.2'  
REMOVE - 133+12 15" TREE 27.9'  
133+17 15" TREE 35.4'  
133+21 15" TREE 35.4'  
REMOVE - 133+39 6" TREE 29.0'  
REMOVE - 133+38 6" TREE 29.7'  
REMOVE - 133+56 12" TR 27.5'  
133+67 15" TREE 34.9'  
133+68 TELE PUSHER BOX 28.9'  
REMOVE - 133+68 15" TR 30.5'  
REMOVE - 133+88 9" TR 32.4'  
REMOVE - 133+97 12" TREE 27.9'  
133+107 15" TREE 35.4'  
REMOVE - 134+02 6" TREE 30.4'  
REMOVE - 134+24 6" TREE 29.4'  
REMOVE - 134+24 6" TREE 29.4'  
REMOVE - 134+31 6" TREE 28.0'  
REMOVE - 134+36 6" TREE 29.1'  
REMOVE - 134+44 6" TREE 29.5'  
REMOVE - 134+46 6" TREE 28.0'  
REMOVE - 134+50 6" TREE 27.8'  
REMOVE - 134+58 12" TW 28.3'  
REMOVE - 137+19 15" TW 26.5'  
137+45 6" TREE 35.3'  
137+55 6" TREE 35.5'  
138+02 6" TW 35.6'  
138+12 6" TREE 33.3'  
REMOVE - 138+36 12" TREE 30.1'  
REMOVE - 138+41 6" TREE 29.9'  
REMOVE - 138+62 6" TREE 33.0'  
REMOVE - 139+46 6" TREE 30.3'  
REMOVE - 139+55 12" TREE 31.9'  
139+85 6" TREE 35.9'  
REMOVE - 139+98 12" TREE 31.3'



**LEGEND**

- REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CLASS II TO A DEPTH OF 6". AS DIRECTED BY THE ENGINEER IN THE FIELD, PAID FOR AS APPROACH, CL II BY THE TON.
- SAWCUT AND REMOVE EXISTING HMA PAVEMENT. REGRADE EXISTING DRIVE OR APPROACH AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)
- SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT. REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)

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REVISIONS

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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD

PLAN & PROFILE - STA. 130+00 TO STA. 140+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: MARCH 2022  
SCALE: 1" = 40', 5V



**SOIL BORINGS**

SB #28	0 - 1.5" ASPHALT
	1.5" - 8" BROWN SAND & FINE TO COARSE GRAVEL
	8" - 36" DARK BROWN FINE SAND, SOME FINE TO COARSE GRAVEL
	36" - 60" BROWN MEDIUM SAND
	60" END OF BORING

REMOVE - 140+45 6" MAPLE 35.0'  
 REMOVE - 140+51 8" HICKORY 35.5'  
 REMOVE - 140+55 9" TREE 35.1'

REMOVE - 140+85 6" TREE 32.6'  
 REMOVE - 140+91 12" TREE 28.6'  
 REMOVE - 140+98 6" TREE 28.3'  
 REMOVE - 141+05 6" TREE 29.8'  
 REMOVE - 141+08 6" TREE 29.8'  
 REMOVE - 141+12 6" TREE 29.2'  
 REMOVE - 141+14 6" TREE 29.2'  
 REMOVE - 141+16 6" TREE 29.2'  
 REMOVE - 141+21 6" TREE 29.4'

REMOVE - 141+62 6" TREE 31.8'  
 REMOVE - 141+75 6" TREE 33.0'  
 REMOVE - 141+77 6" TREE 33.1'

REMOVE - 142+28 6" TRN 30.2'

REMOVE - 142+67 30" TREE 28.4'

143+07 6" TREE 33.8'  
 REMOVE - 143+13 12" TREE 31.9'  
 REMOVE - 143+17 12" TREE 30.9'  
 REMOVE - 143+25 8" TREE 31.1'  
 REMOVE - 143+30 6" TREE 29.7'  
 REMOVE - 143+37 6" TREE 32.0'  
 REMOVE - 143+40 15" TREE 33.4'  
 REMOVE - 143+53 12" TREE 33.4'

143+71 9" TREE 35.1'  
 REMOVE - 143+76 6" TREE 33.7'  
 REMOVE - 143+80 6" TREE 33.7'  
 REMOVE - 143+89 9" TRN 31.1'  
 143+90 TELE RISER BOX 30.9'  
 143+99 6" TREE 34.4'  
 144+09 9" TRN 34.1'

144+44 12" TREE 35.1'

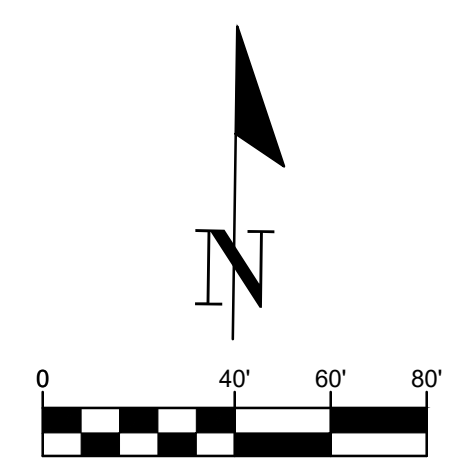
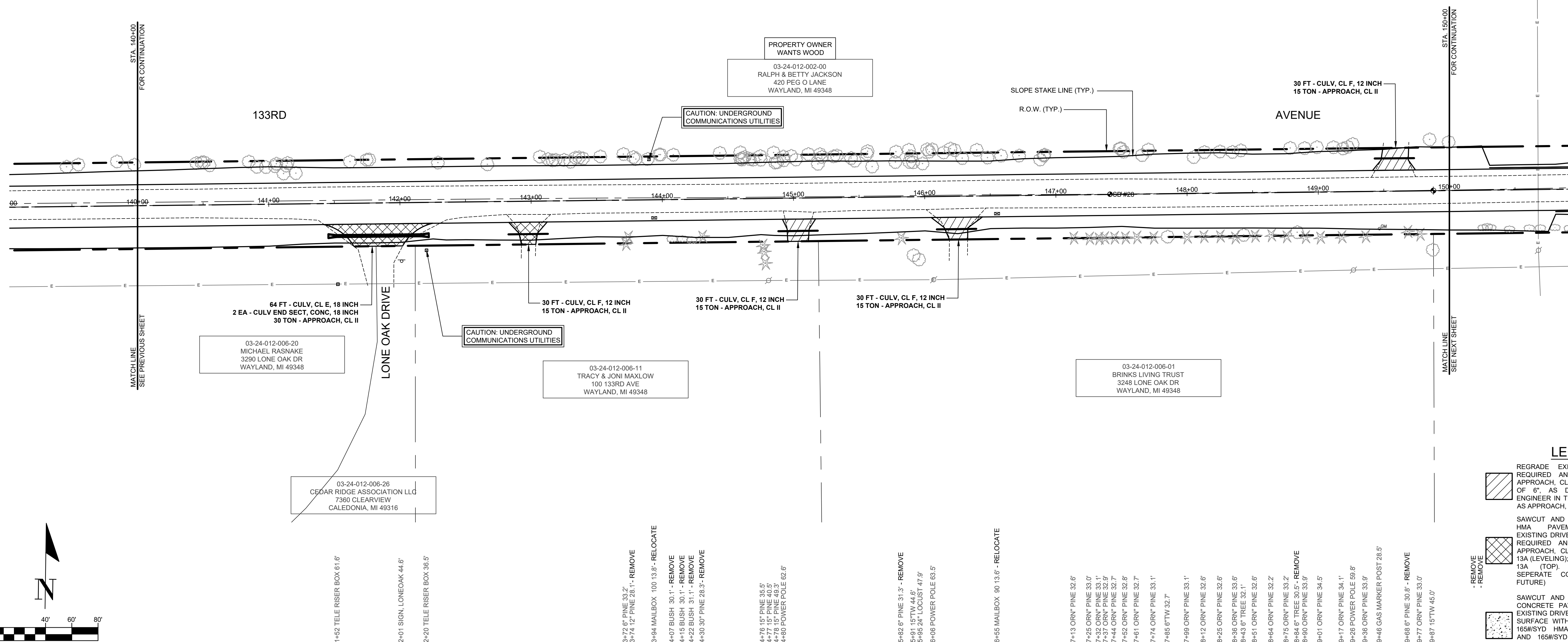
144+80 6" TREE 35.3'  
 REMOVE - 144+80 5" TREE 30.4'  
 REMOVE - 144+81 6" TREE 29.9'  
 REMOVE - 144+83 6" TREE 31.1'  
 REMOVE - 144+83 6" TREE 30.2'  
 REMOVE - 144+70 6" TREE 29.7'  
 REMOVE - 144+75 6" TREE 29.5'  
 REMOVE - 144+85 6" TREE 34.9'  
 REMOVE - 144+88 6" TREE 32.6'  
 REMOVE - 144+88 6" TREE 31.7'  
 REMOVE - 144+83 6" TREE 29.9'  
 REMOVE - 144+83 6" TREE 29.9'  
 REMOVE - 145+02 6" TREE 29.4'  
 REMOVE - 145+12 6" TREE 33.4'  
 REMOVE - 145+20 6" TREE 33.2'  
 REMOVE - 145+22 6" TREE 31.1'  
 REMOVE - 145+31 6" TREE 31.0'  
 REMOVE - 145+44 6" TREE 30.0'  
 REMOVE - 145+47 6" TREE 28.0'  
 REMOVE - 145+57 6" TREE 35.1'  
 REMOVE - 145+60 6" TREE 29.3'  
 REMOVE - 145+78 6" TREE 30.5'  
 REMOVE - 145+88 6" TREE 28.5'  
 REMOVE - 145+91 6" TREE 29.3'  
 REMOVE - 145+91 6" TREE 29.3'  
 REMOVE - 146+06 6" TREE 33.9'  
 REMOVE - 146+15 6" TREE 33.5'  
 REMOVE - 146+23 12" TREE 35.2'  
 REMOVE - 146+23 12" TREE 35.2'  
 REMOVE - 146+28 12" TREE 28.0'  
 REMOVE - 146+40 12" TREE 35.7'  
 REMOVE - 146+48 12" TREE 30.5'  
 REMOVE - 146+59 12" TREE 30.5'  
 REMOVE - 146+72 6" TREE 30.4'  
 REMOVE - 146+81 6" TREE 30.2'  
 REMOVE - 146+82 6" TREE 30.9'

147+49 6" TREE 34.6'  
 147+50 6" TREE 36.0'  
 REMOVE - 147+52 6" TREE 32.5'  
 REMOVE - 147+66 12" TREE 29.7'  
 REMOVE - 147+71 12" TREE 33.9'

REMOVE - 148+05 6" TREE 27.7'  
 REMOVE - 148+13 6" TREE 31.5'  
 REMOVE - 148+25 6" TREE 31.8'  
 REMOVE - 148+35 6" TREE 31.3'  
 REMOVE - 148+41 6" TREE 32.4'

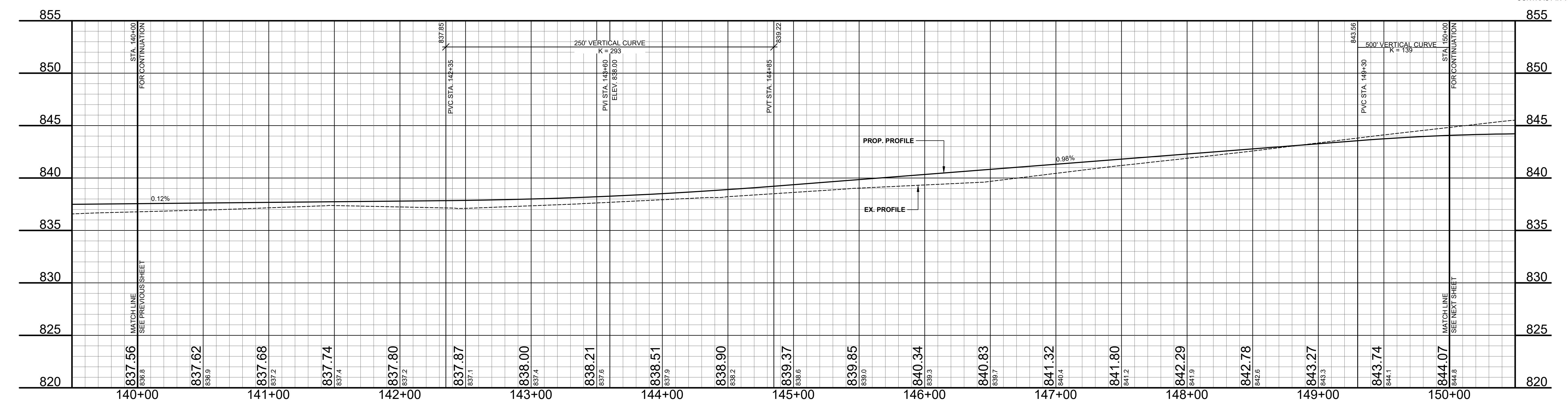
148+79 6" TREE 33.8'  
 148+80 6" TREE 33.6'  
 148+86 6" TREE 34.2'  
 148+12 18" TREE 34.0'  
 148+19 6" TREE 33.0'  
 148+23 6" TREE 34.2'  
 148+27 6" TREE 35.3'

149+85 6" TW 35.1'  
 149+89 21" TW 37.0'



**LEGEND**

	REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CLASS II TO A DEPTH OF 6" AS DIRECTED BY THE ENGINEER IN THE FIELD, PAID FOR AS APPROACH, CL II BY THE TON.
	SAWCUT AND REMOVE EXISTING HMA PAVEMENT. REGRADE EXISTING DRIVE OR APPROACH AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)
	SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT. REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)



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REVISIONS

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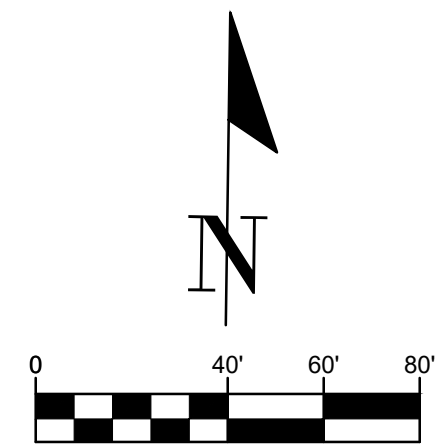
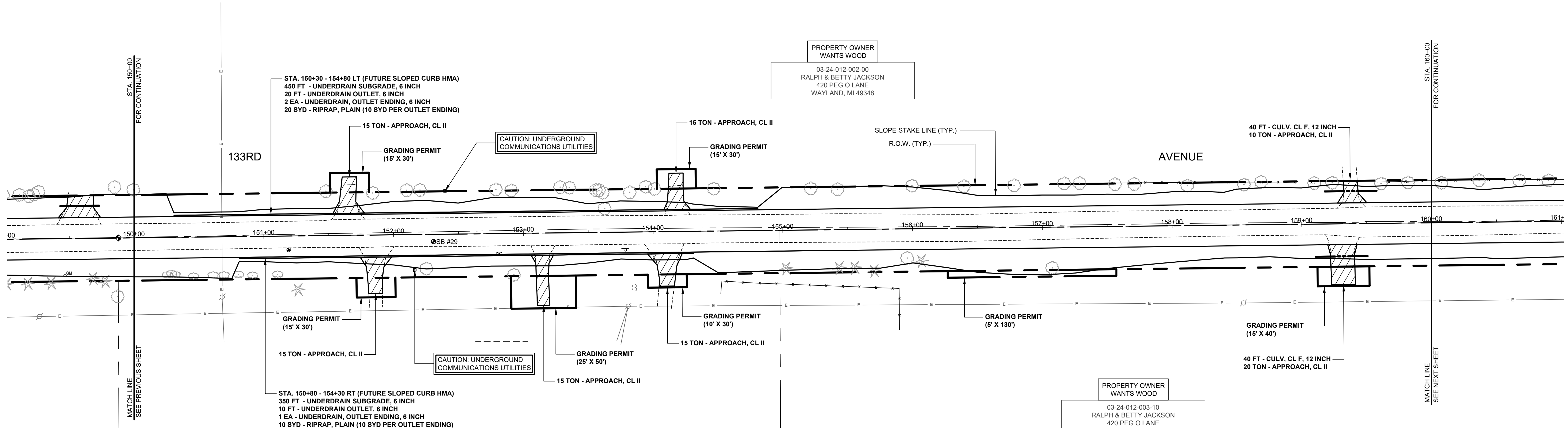
**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
 WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
 PLAN & PROFILE - STA. 140+00 TO STA. 150+00

DRAWN BY: ACW  
 REVIEWED BY: RPB  
 DATE: MARCH 2022  
 SCALE: 1"= 40'H, 5V

**SOIL BORINGS**

- SB #29  
 0' - 2' ASPHALT  
 2' - 6" BROWN CLAYEY MEDIUM SAND & FINE TO COARSE GRAVEL  
 6" - 15" DARK BROWN FINE SAND, SOME FINE TO COARSE GRAVEL  
 15" - 30" DARK CLAYEY MEDIUM SAND, SOME FINE TO COARSE GRAVEL  
 30" - 60" BROWN CLAYEY COARSE SAND & FINE GRAVEL  
 60" END OF BORING

- 151+48.21" OAK 34.2'
- 151+84.30" OAK 32.4'
- 152+10.24" WALNUT 34.2'
- 152+21.18" WALNUT 34.2'
- 152+40 TELE RISER BOX 33.3'
- 152+79.30" WALNUT 34.0'
- REMOVE - 152+91.24" WALNUT 33.1'
- 153+29.6" TREE 35.2'
- 153+36.21" MAPLE 34.7'
- 153+56.6" MAPLE 32.6'
- 153+61.12" CHERRY 30.4'
- REMOVE - 153+63.6" MAPLE 18.3'
- REMOVE - 153+82.21" TREE 30.6'
- 153+95.6" TREE 34.7'
- 154+01.9" TREE 33.0'
- 154+47.24" WALNUT 32.7'
- REMOVE - 155+22.24" WALNUT 32.0'
- REMOVE - 155+42.30" OAK 31.1'
- REMOVE - 155+89.24" WALNUT 33.1'
- REMOVE - 156+40.36" WALNUT 32.2'
- REMOVE - 156+79.36" WALNUT 32.5'
- REMOVE - 157+17.24" WALNUT 33.6'
- REMOVE - 157+29.24" WALNUT 33.6'
- 157+42 FENCE 3' 33.5'
- REMOVE - 157+55.12" WALNUT 32.5'
- REMOVE - 157+71.24" WALNUT 32.4'
- REMOVE - 158+12.12" WALNUT 30.8'
- 158+39 FENCE WIRE 33.1'
- REMOVE - 158+56.15" WALNUT 31.0'
- REMOVE - 158+69.30" WALNUT 32.9'
- REMOVE - 159+10.12" WALNUT 31.5'
- REMOVE - 159+25.30" WALNUT 31.6'
- 159+58 FENCE 3' 31.8'
- REMOVE - 159+61.12" WALNUT 30.6'
- REMOVE - 159+82.24" WALNUT 31.2'



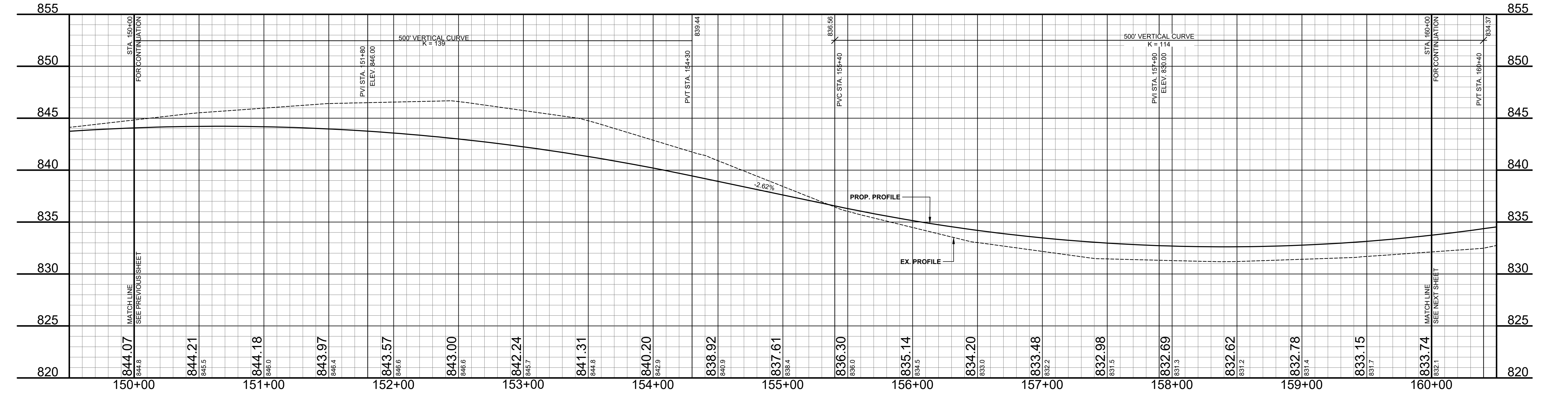
- 150+25 BUSH 28.8' - REMOVE
- 150+29 BUSH 27.9' - REMOVE
- 150+31 BUSH 28.8' - REMOVE
- 150+45 BUSH 30.1' - REMOVE
- 150+61 BUSH 29.4' - REMOVE
- 150+67 POWER POLE 46.7' - REMOVE
- 150+80 BUSH 29.2' - REMOVE
- 150+91 BUSH 29.9'
- 151+10 BUSH 29.4'
- 151+26.15" PINE 41.3'
- 152+16 TELE RISER BOX 27.7'
- 152+25.24" TREE 28.3' - REMOVE
- 152+62 BUILDING 83.0'
- 152+81 MAILBOX 15.3' - RELOCATE
- 152+92 ORN\* TREE 31.9'
- 153+03 BUILDING HOUSE 83.5'
- 153+78 SIGN, SNOWMOBILE 13.7' - RELOCATE
- 153+84 GUY WIRE 44.6'
- 153+84 GUY WIRE 44.0'
- 154+52 FENCE 3' 47.9'
- 154+53 FENCE WIRE 38.5'
- 154+77 FENCE WIRE 40.3'
- 155+02 12" PINE 29.2' - REMOVE
- 155+43 12" PINE 29.2' - REMOVE
- 155+55 12" PINE 29.2' - REMOVE
- 155+70 12" PINE 31.8' - REMOVE
- 155+89 FENCE WIRE 75.6'
- 155+89 FENCE WIRE 45.8'
- 155+86 24" CATALPA 22.5' - REMOVE
- 155+06 9" PINE 24.7' - REMOVE
- 157+07 12" WALNUT 31.4' - REMOVE
- 158+54 POWER POLE 60.1'

03-24-012-003-00  
 BRENDA SMITH  
 80 133RD AVE  
 WAYLAND, MI 49348

PROPERTY OWNER WANTS WOOD  
 03-24-012-003-10  
 RALPH & BETTY JACKSON  
 420 PEG O LANE  
 WAYLAND, MI 49348

PROPERTY OWNER WANTS WOOD  
 03-24-012-002-00  
 RALPH & BETTY JACKSON  
 420 PEG O LANE  
 WAYLAND, MI 49348

- LEGEND**
- REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CLASS II TO A DEPTH OF 6". AS DIRECTED BY THE ENGINEER IN THE FIELD, PAID FOR AS APPROACH, CL II BY THE TON.
  - SAWCUT AND REMOVE EXISTING HMA PAVEMENT. REGRADE EXISTING DRIVE OR APPROACH AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) - (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)
  - SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT. REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) - (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)

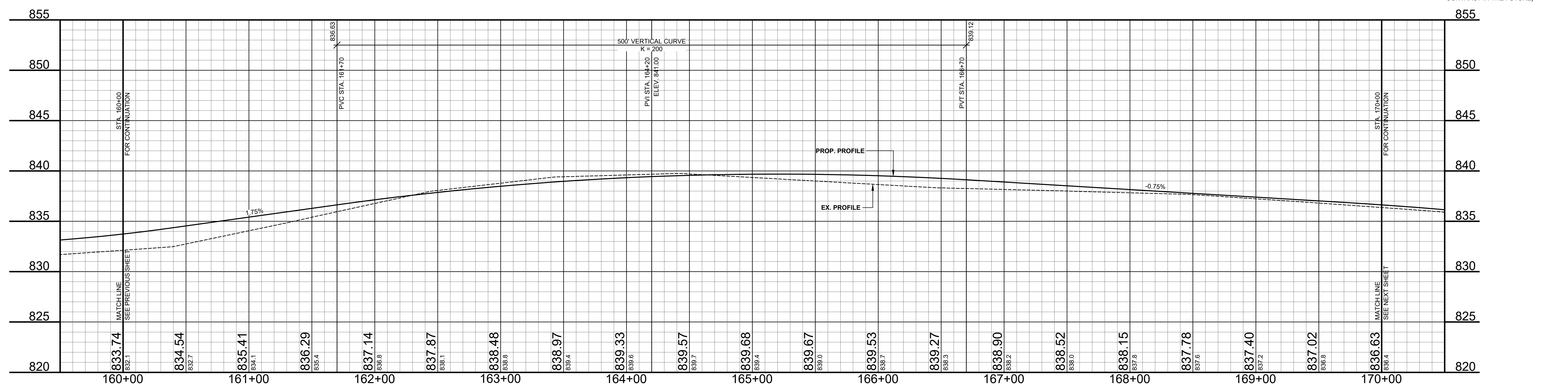
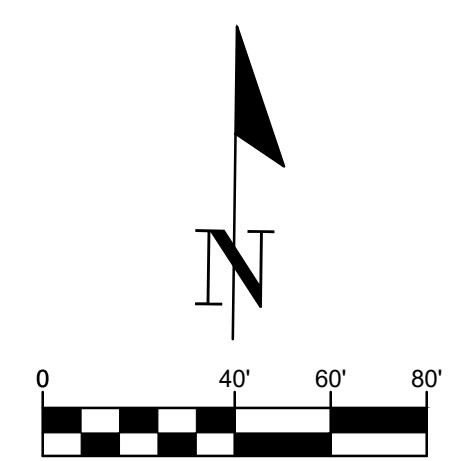
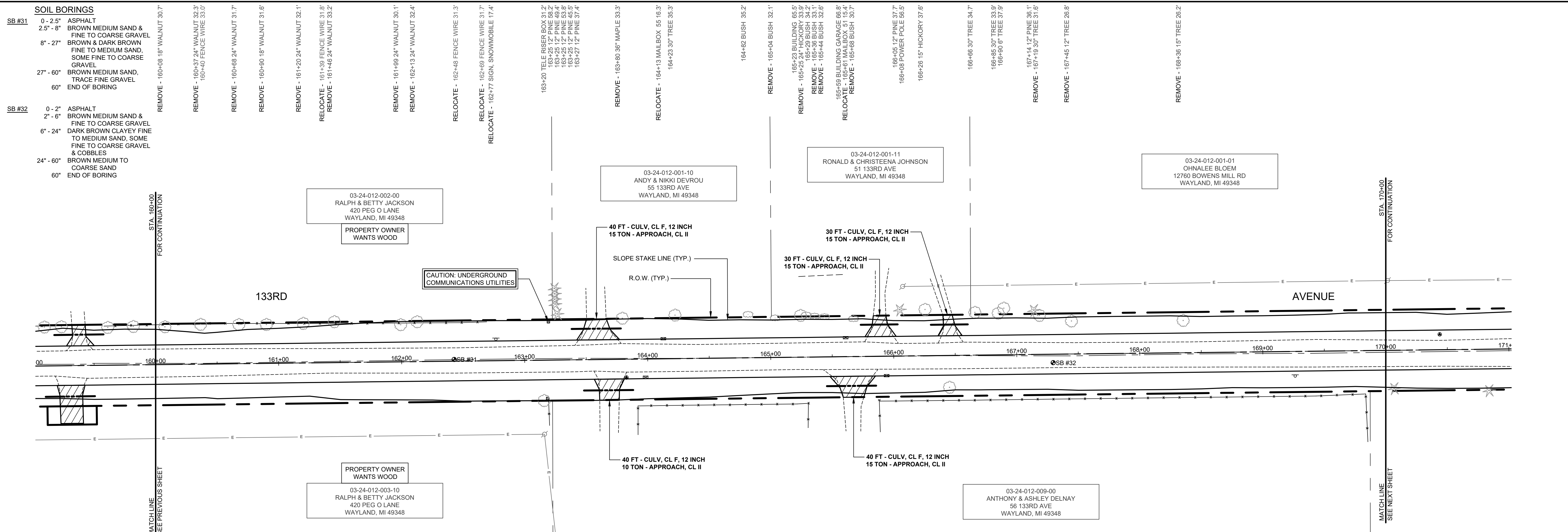


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REVISIONS	
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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
 WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
 PLAN & PROFILE - STA. 150+00 TO STA. 160+00

DRAWN BY: ACW  
 REVIEWED BY: RPB  
 DATE: MARCH 2022  
 SCALE: 1"= 40'H, 5V



- LEGEND**
- REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CLASS II TO A DEPTH OF 6". AS DIRECTED BY THE ENGINEER IN THE FIELD, PAID FOR AS APPROACH, CL II BY THE TON.
  - SAWCUT AND REMOVE EXISTING HMA PAVEMENT. REGRADE EXISTING DRIVE OR APPROACH AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)
  - SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT. REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP) (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)

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**REVISIONS**

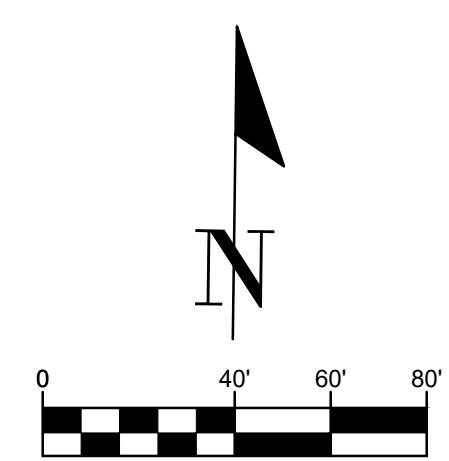
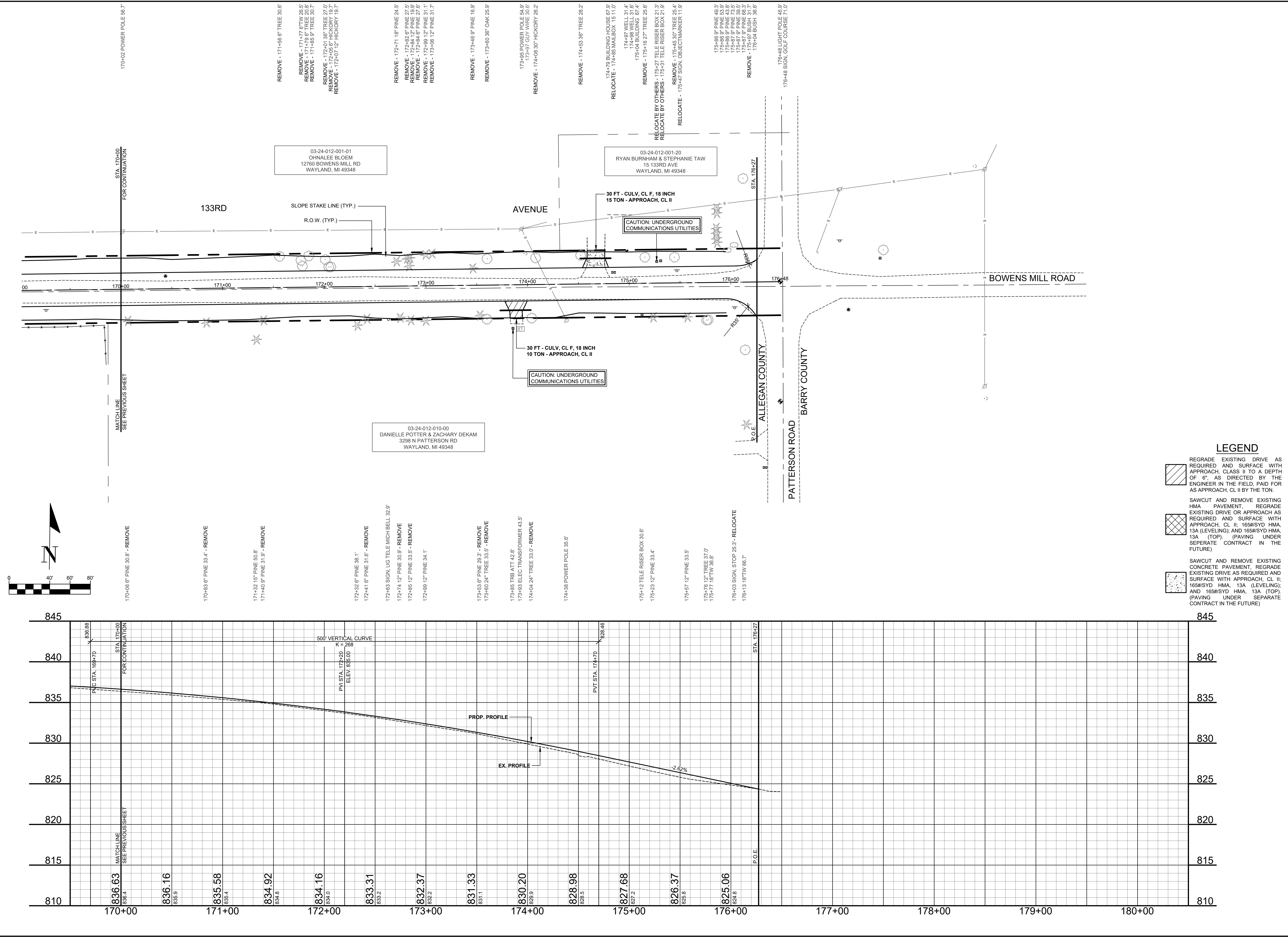
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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD

PLAN & PROFILE - STA. 160+00 TO STA. 170+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: MARCH 2022  
SCALE: 1"= 40'H, 5V





170-02 POWER POLE 56.7'  
 REMOVE - 171+56 6" TREE 30.6'  
 REMOVE - 171+77 6" TW 26.5'  
 REMOVE - 171+79 6" TREE 20.9'  
 REMOVE - 171+85 9" TREE 30.7'  
 REMOVE - 172+01 36" TREE 27.0'  
 REMOVE - 172+05 6" HICKORY 19.7'  
 REMOVE - 172+07 12" HICKORY 19.7'

03-24-012-001-01  
 OHNALEE BLOEM  
 12760 BOWENS MILL RD  
 WAYLAND, MI 49348

REMOVE - 172+71 16" PINE 24.5'  
 REMOVE - 172+82 6" PINE 27.5'  
 REMOVE - 172+84 6" PINE 27.6'  
 REMOVE - 172+84 6" PINE 27.6'  
 REMOVE - 172+99 12" PINE 31.1'  
 REMOVE - 173+06 12" PINE 31.7'

REMOVE - 173+46 9" PINE 16.9'  
 REMOVE - 173+60 30" OAK 25.9'

173+95 POWER POLE 54.9'  
 173+97 GUY WIRE 50.6'  
 REMOVE - 174+08 30" HICKORY 25.2'

REMOVE - 174+53 36" TREE 28.2'

174+78 BUILDING HOUSE 67.9'  
 RELOCATE - 174+85 MAILBOX 15 11.0'  
 174+97 WELL 31.4'  
 174+98 WELL 31.6'  
 175+04 BUILDING 67.4'  
 REMOVE - 175+16 27" TREE 25.6'  
 RELOCATE BY OTHERS - 175+27 TELE RISER BOX 21.3'  
 RELOCATE BY OTHERS - 175+31 TELE RISER BOX 21.9'  
 REMOVE - 175+45 30" TREE 26.4'  
 RELOCATE - 175+47 SIGN, OBJECT MARKER 11.9'

175+66 9" PINE 49.3'  
 175+66 9" PINE 53.9'  
 175+67 9" PINE 73.5'  
 175+87 9" PINE 38.5'  
 175+97 9" PINE 39.7'  
 175+97 9" PINE 39.7'  
 REMOVE - 176+04 BUSH 36.6'

176+48 LIGHT POLE 45.9'  
 176+48 SIGN, GOLF COURSE 71.0'

170+06 6" PINE 30.6' - REMOVE  
 170+83 6" PINE 33.4' - REMOVE  
 171+32 15" PINE 50.8'  
 171+40 9" PINE 31.9' - REMOVE  
 172+32 6" PINE 38.1'  
 172+41 6" PINE 31.6' - REMOVE  
 172+83 SIGN, LUG TELE MICH BELL 32.9'  
 172+74 12" PINE 30.9' - REMOVE  
 172+85 12" PINE 33.5' - REMOVE  
 172+99 12" PINE 34.1'

03-24-012-010-00  
 DANIELLE POTTER & ZACHARY DEKAM  
 3298 N PATTERSON RD  
 WAYLAND, MI 49348

173+53 6" PINE 29.3' - REMOVE  
 173+60 24" TREE 33.5' - REMOVE  
 173+65 TRB ATT 42.8'  
 173+93 ELEC TRANSFORMER 43.5'  
 174+04 24" TREE 33.0' - REMOVE  
 174+38 POWER POLE 55.6'

175+12 TELE RISER BOX 30.6'  
 175+23 12" PINE 33.4'  
 175+57 12" PINE 33.5'  
 175+76 12" TREE 37.0'  
 175+77 15" TW 30.6'  
 176+03 SIGN, STOP 25.3' - RELOCATE  
 176+13 18" TW 66.7'

**LEGEND**

- REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CLASS II TO A DEPTH OF 6". AS DIRECTED BY THE ENGINEER IN THE FIELD, PAID FOR AS APPROACH, CL II BY THE TON.
- SAWCUT AND REMOVE EXISTING HMA PAVEMENT. REGRADE EXISTING DRIVE OR APPROACH AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP). (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)
- SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT. REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 13A (LEVELING); AND 165#/SYD HMA, 13A (TOP). (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)

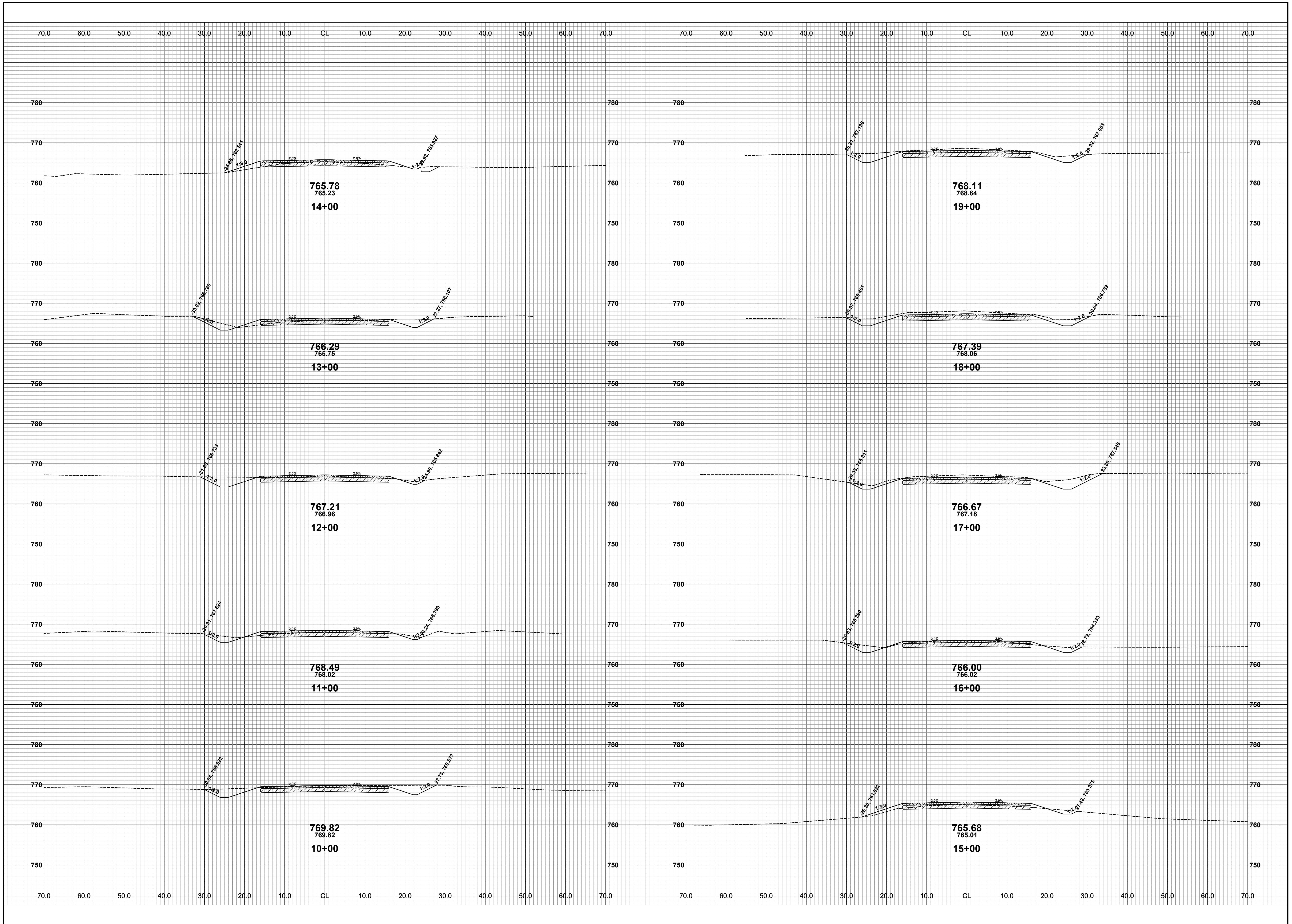
**Board of County Road Commissioners  
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 1308 LINCOLN ROAD  
 ALLEGAN, MICHIGAN 49010-9762  
 TELEPHONE (269) 673-2184    www.alleganroads.org    FAX (269) 673-5922

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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
 WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
 PLAN & PROFILE - STA. 170+00 TO P.O.E.

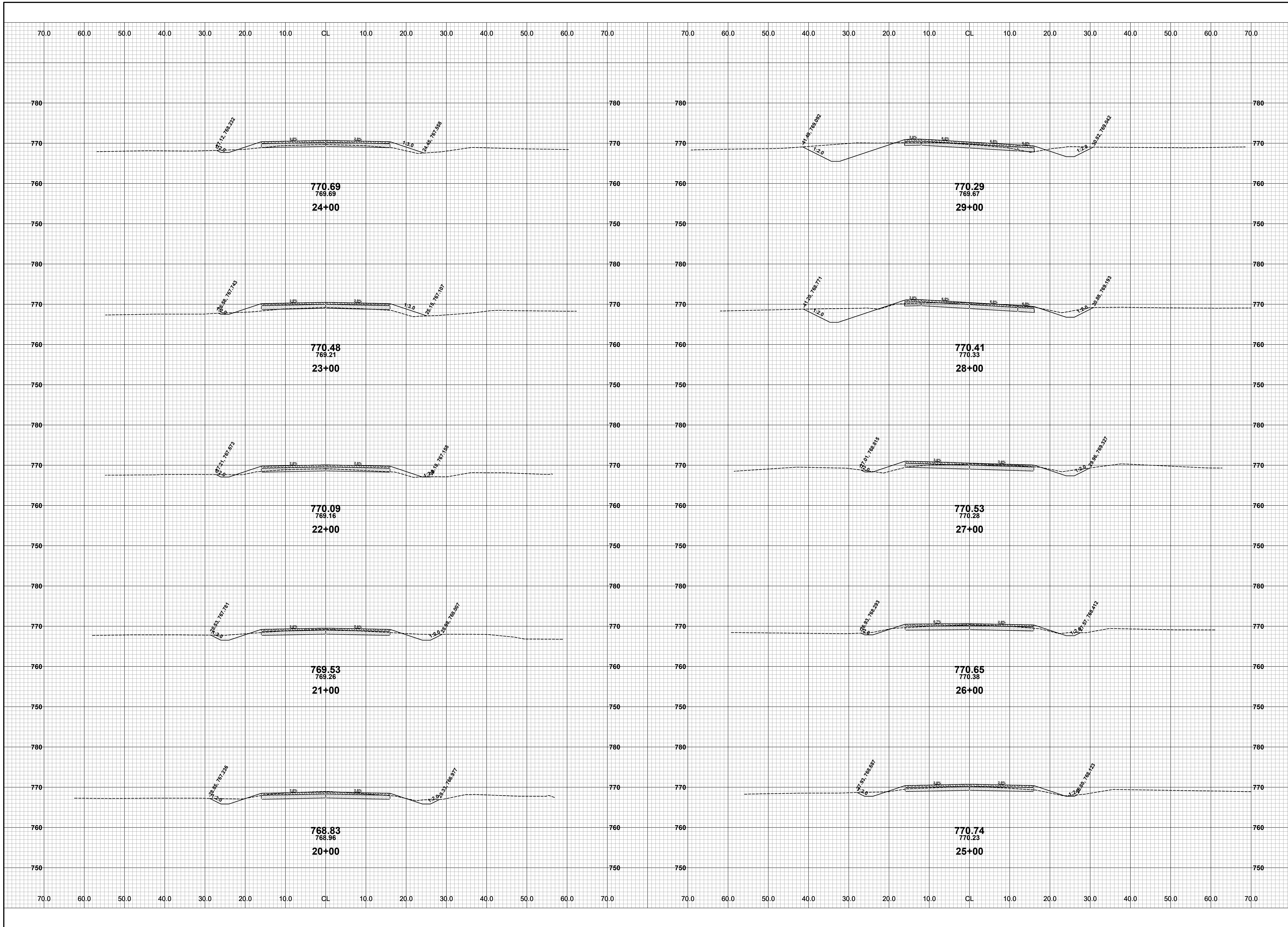
DRAWN BY: ACW  
 REVIEWED BY: RPB  
 DATE: MARCH 2022  
 SCALE: 1" = 40'H, 5V



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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 10+00 TO STA. 19+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1" = 10'



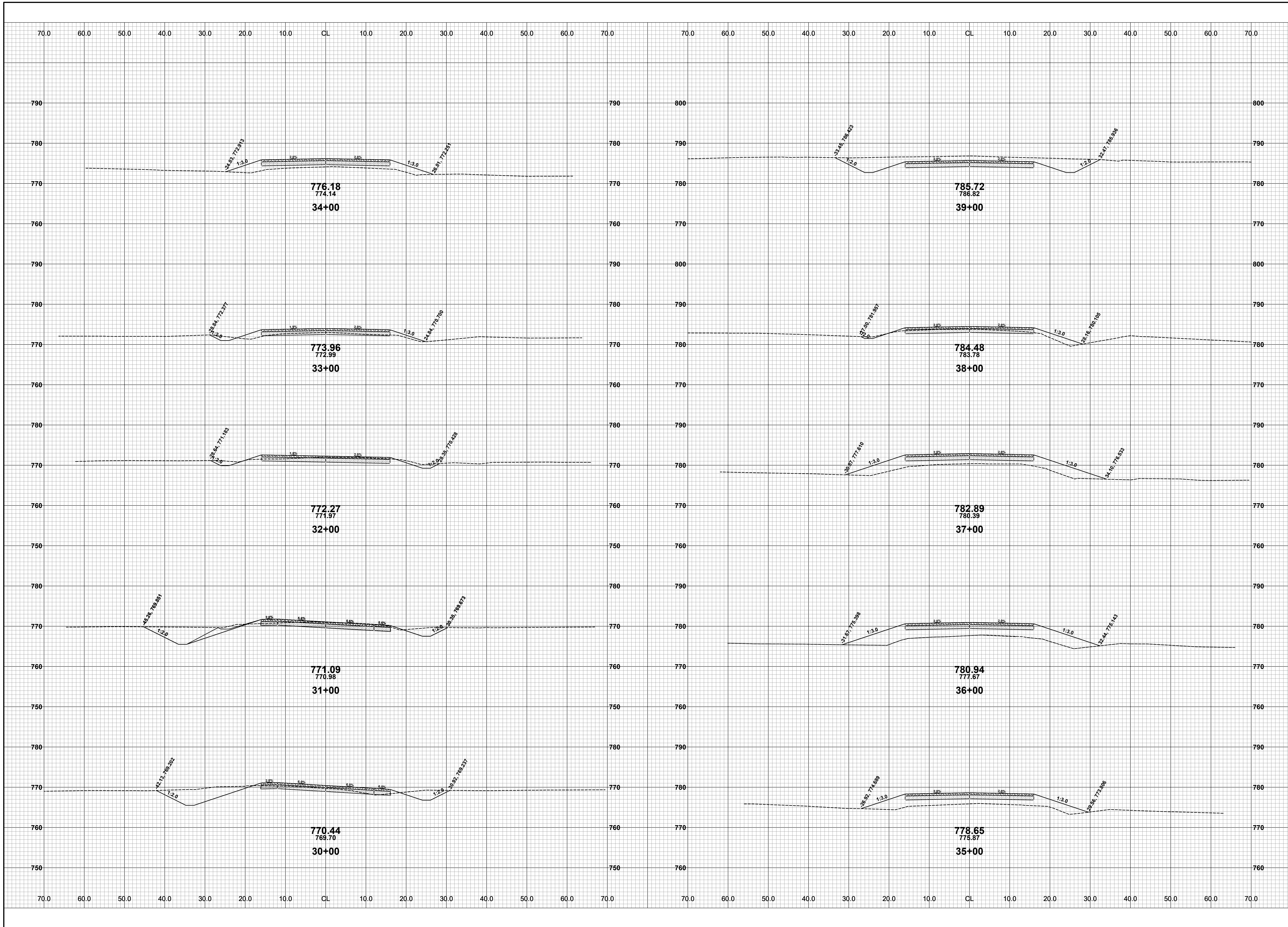
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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 20+00 TO STA. 29+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1" = 10'



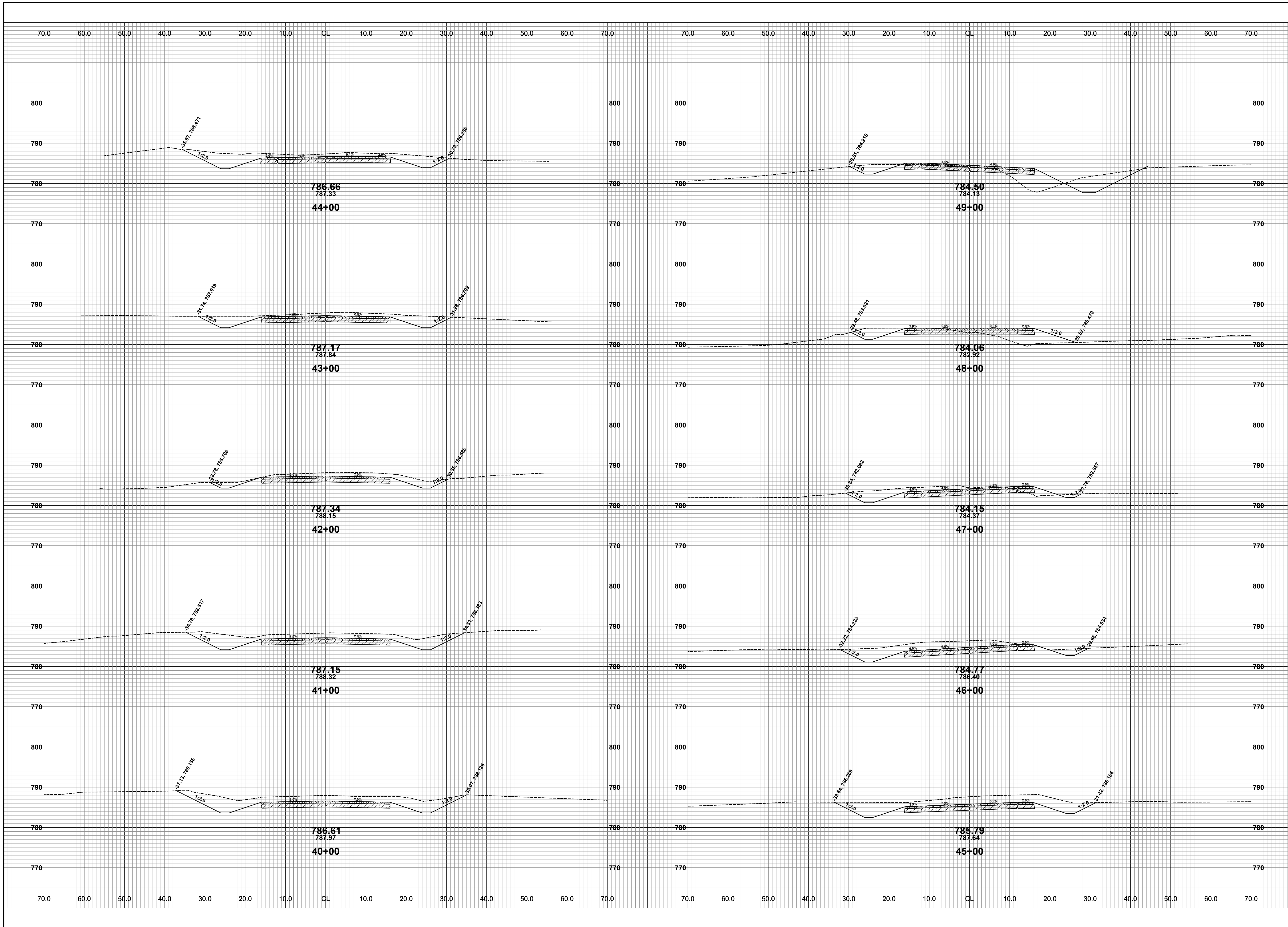


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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 30+00 TO STA. 39+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1" = 10'

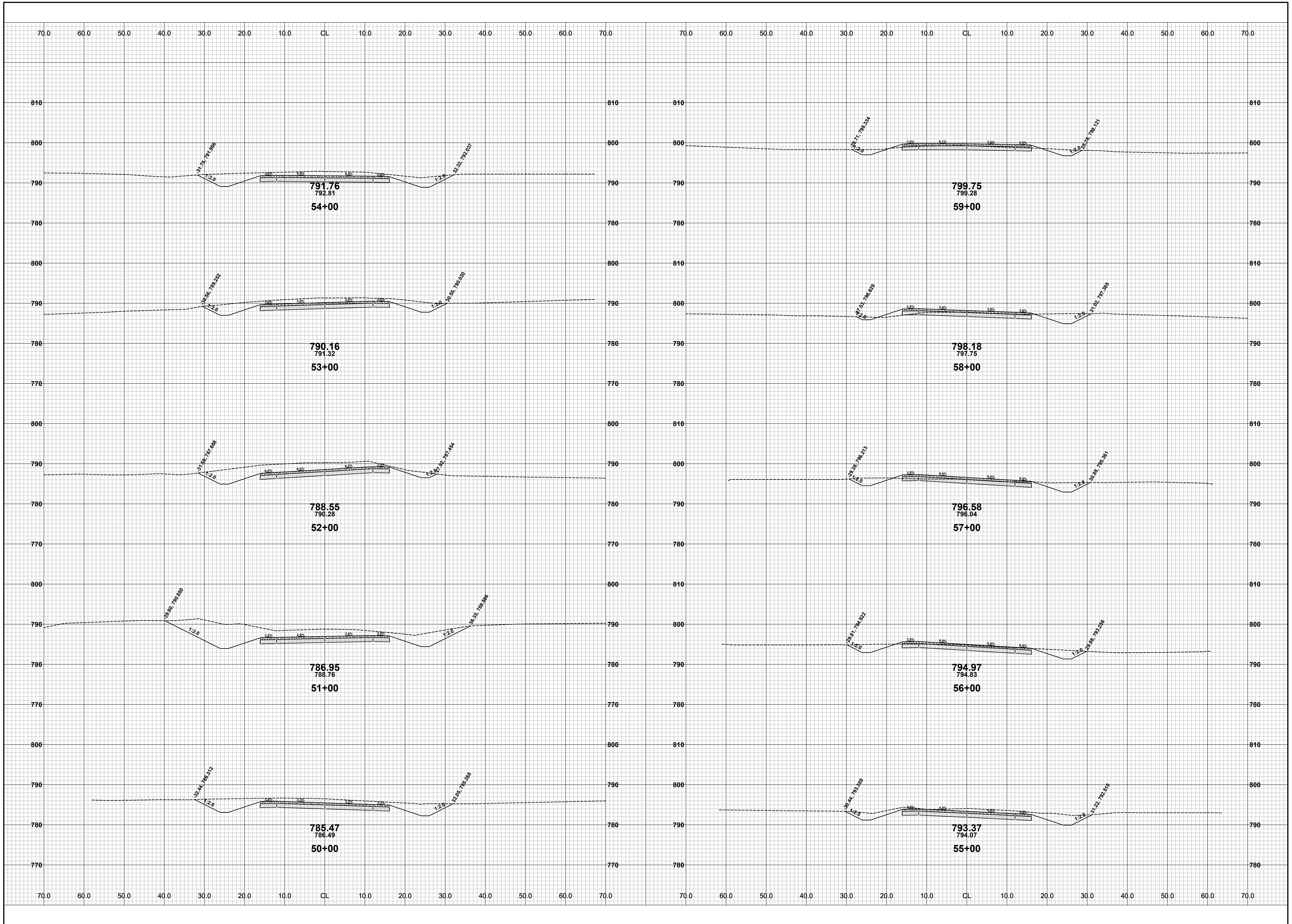


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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 40+00 TO STA. 49+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1" = 10'

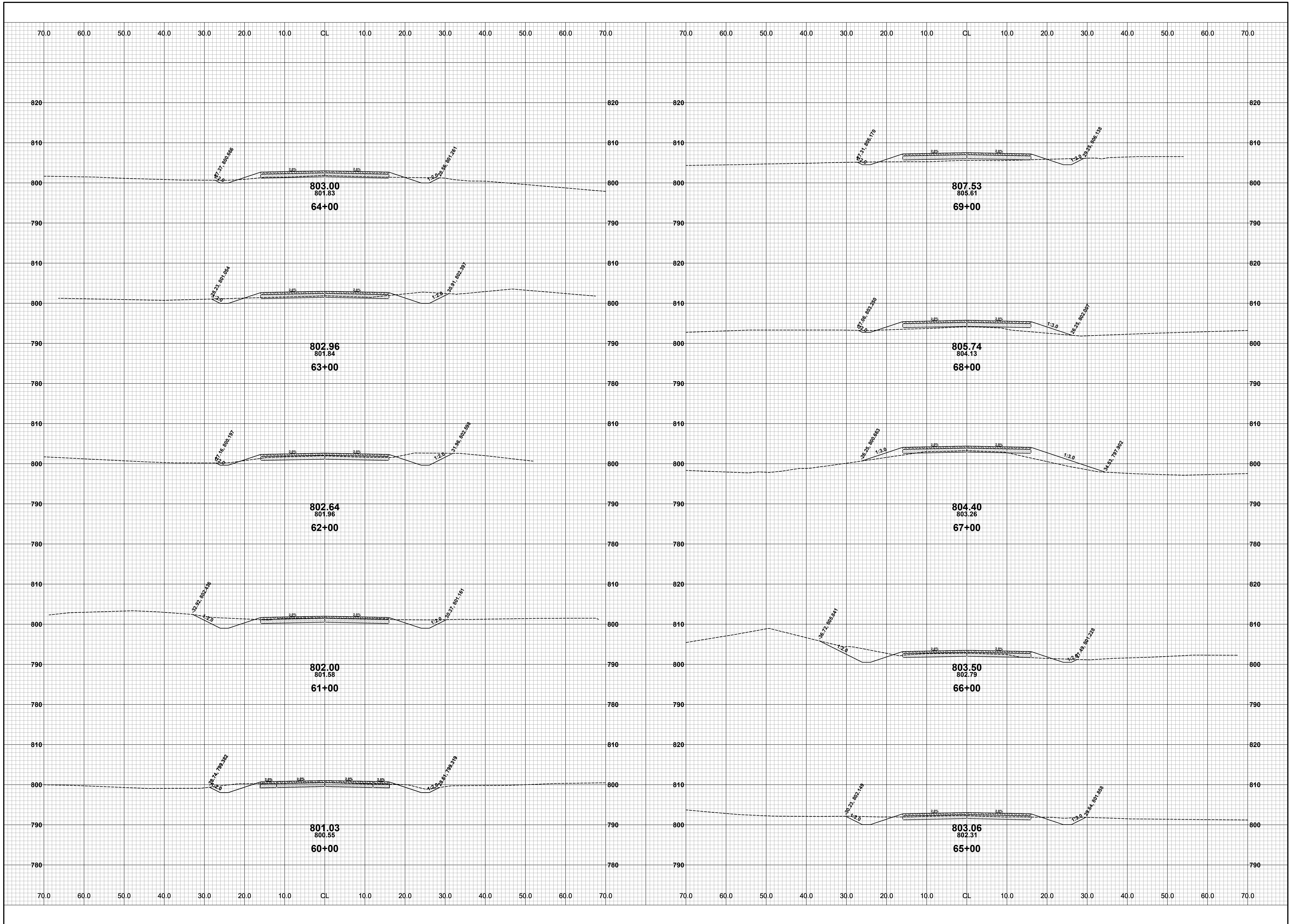


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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 50+00 TO STA. 59+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1" = 10'

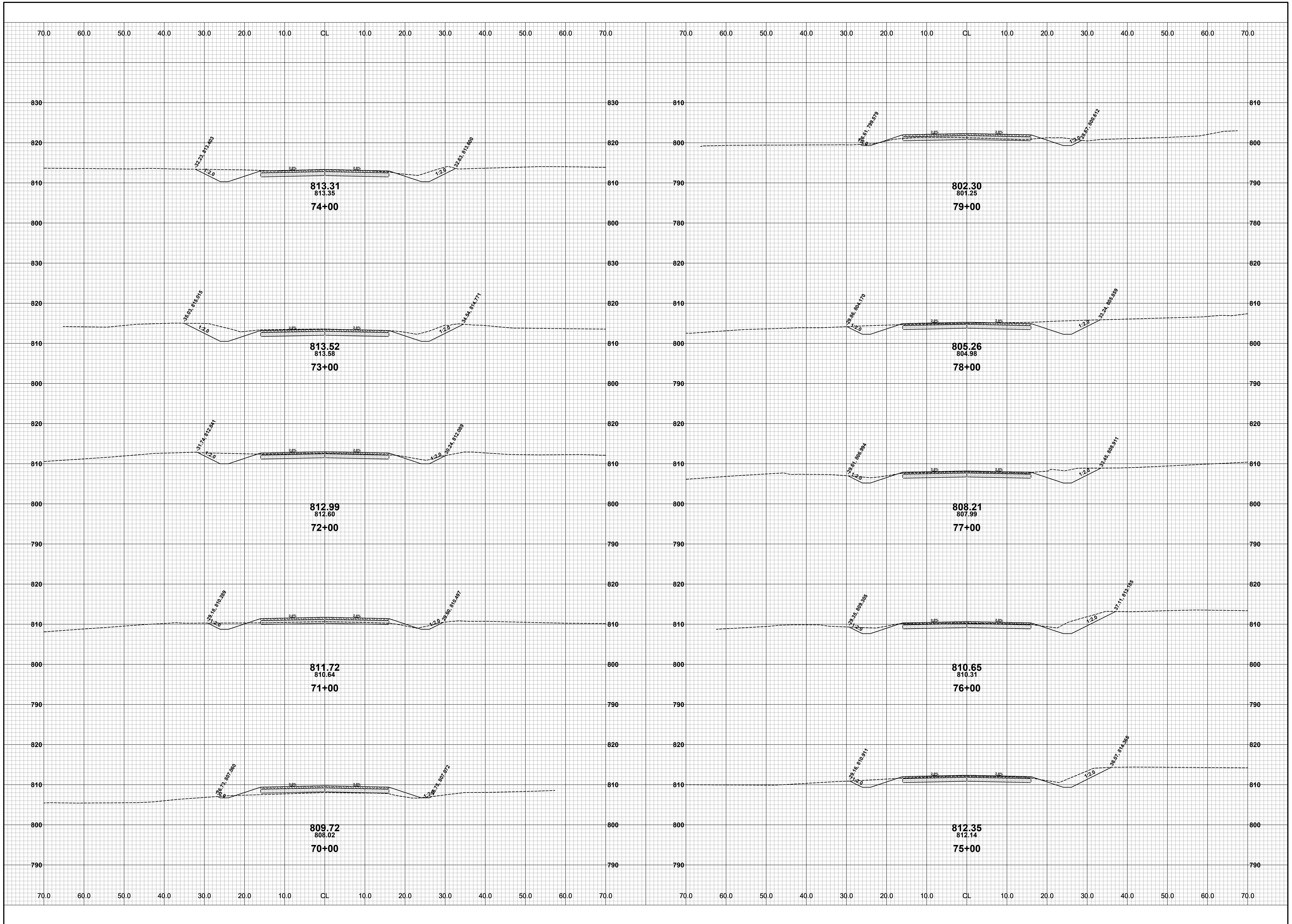




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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 60+00 TO STA. 69+00

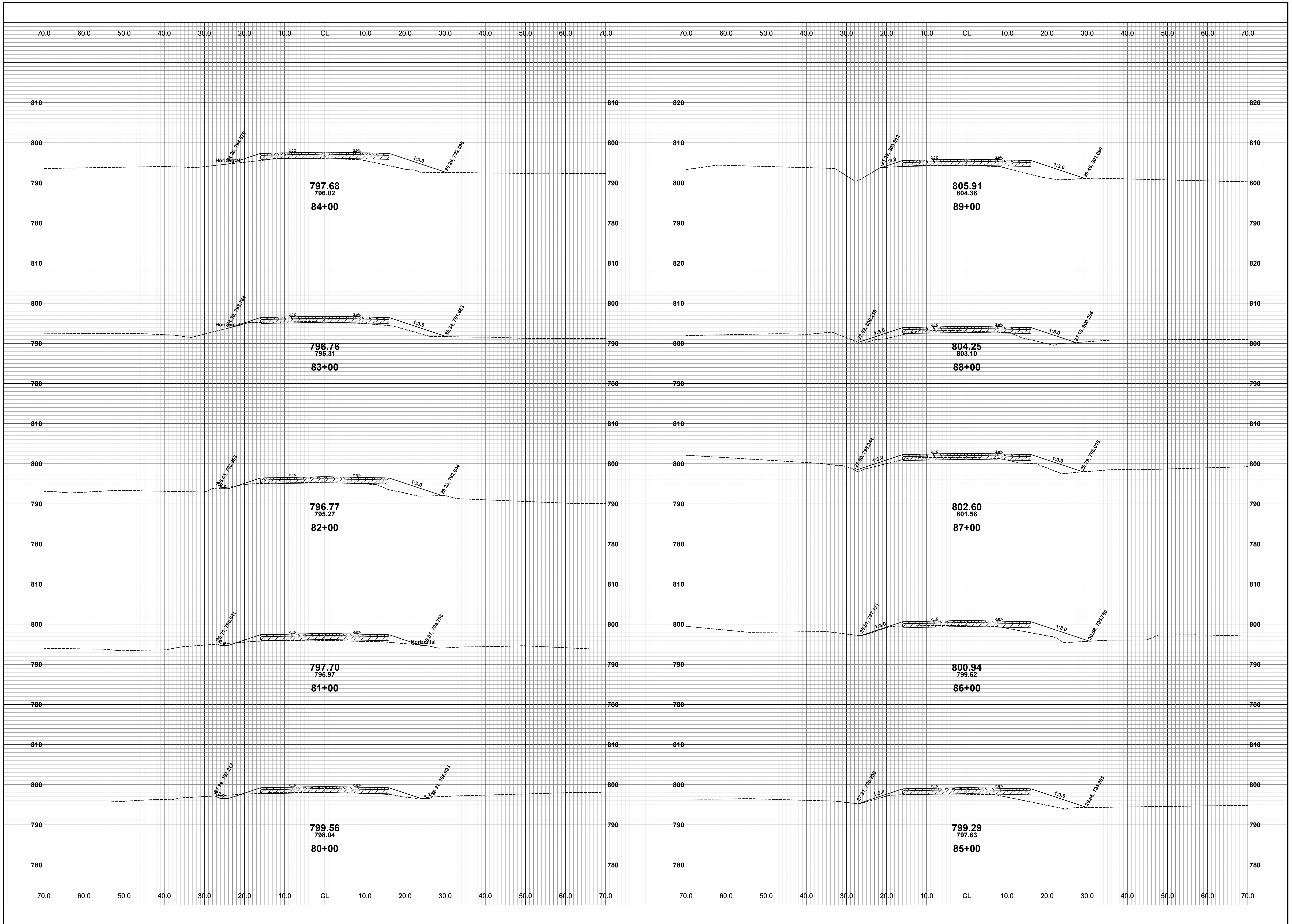
DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1"= 10'



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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 70+00 TO STA. 79+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1" = 10'

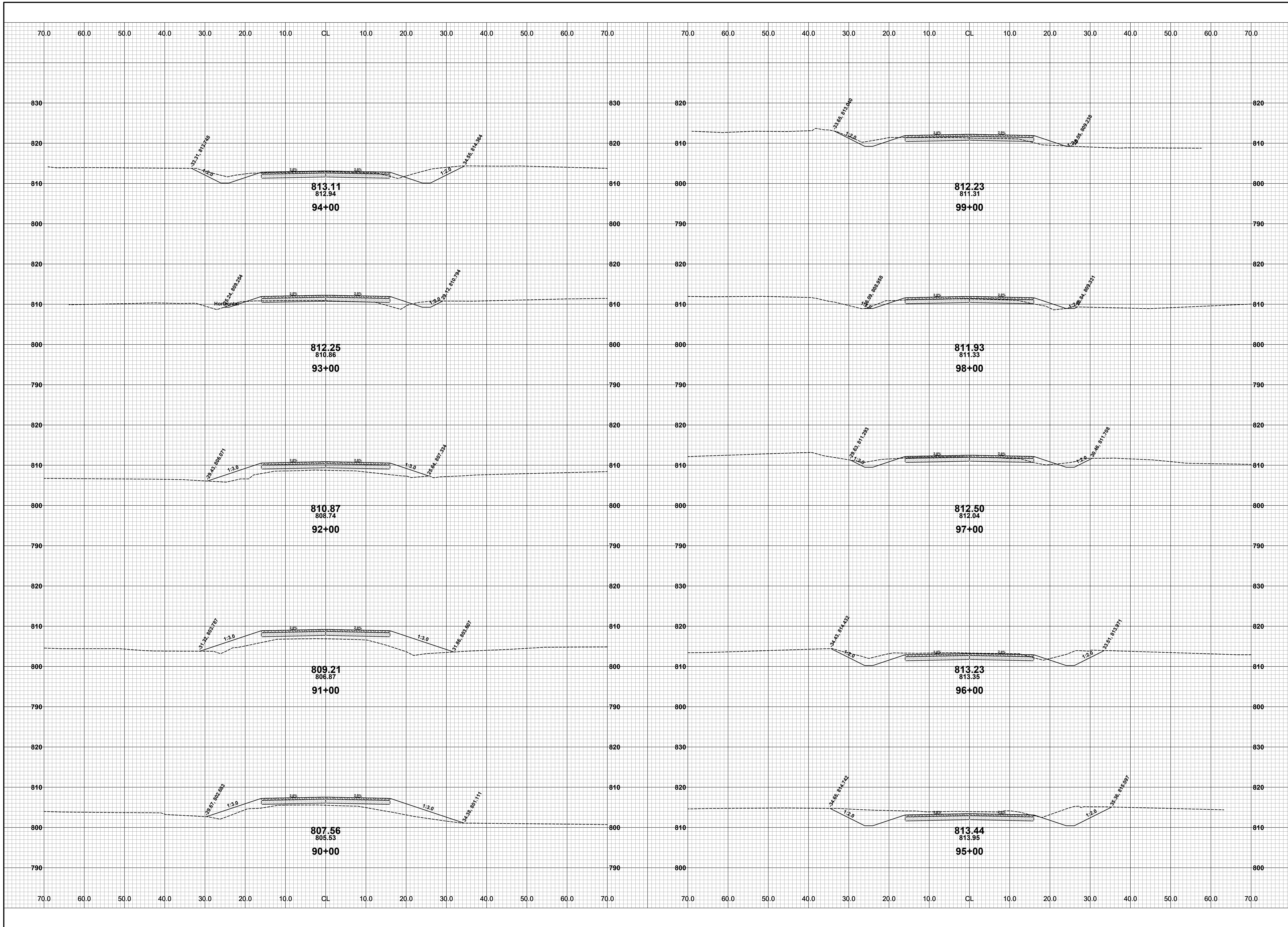


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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 80+00 TO STA. 89+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1"= 10'

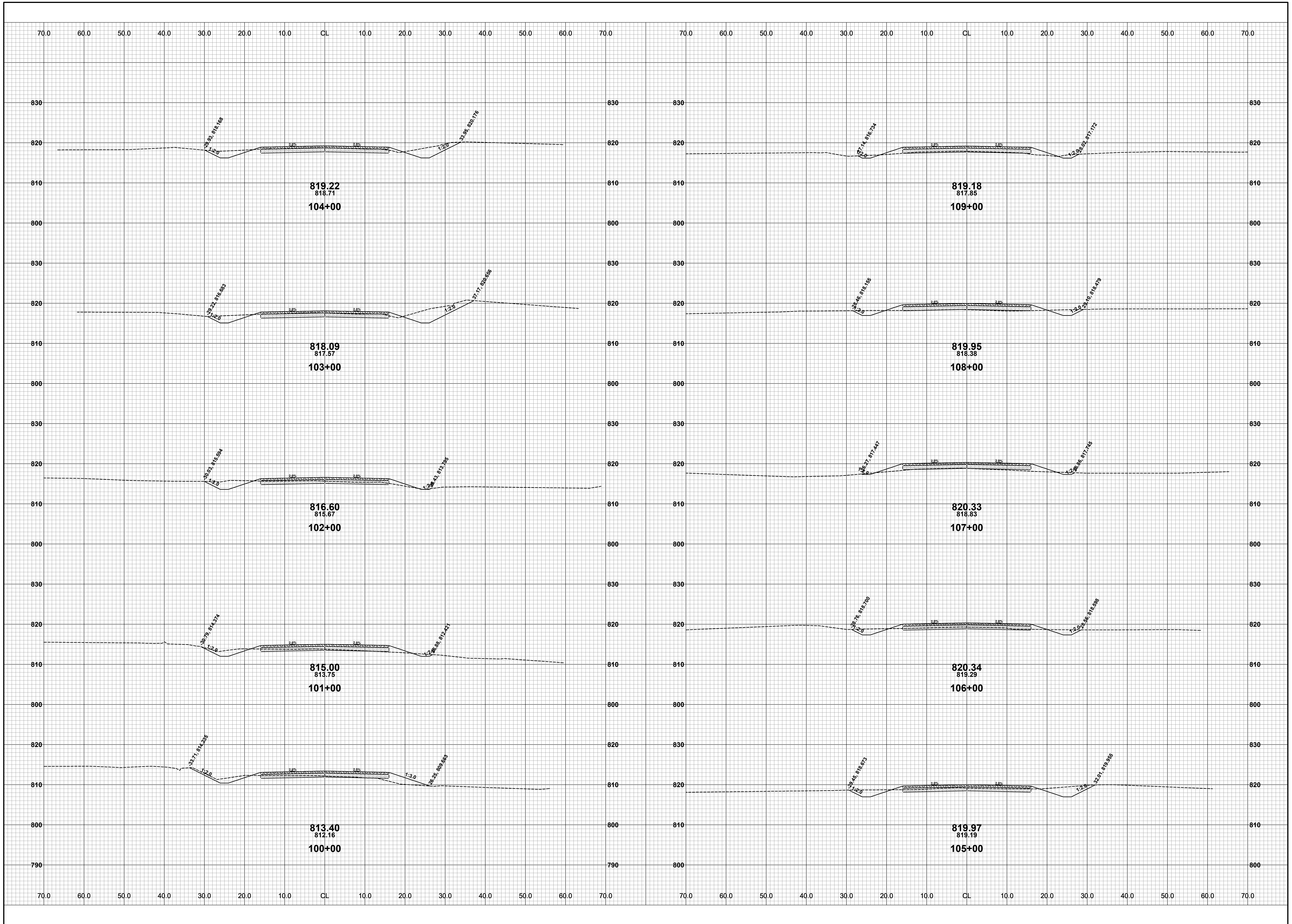




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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 90+00 TO STA. 99+00

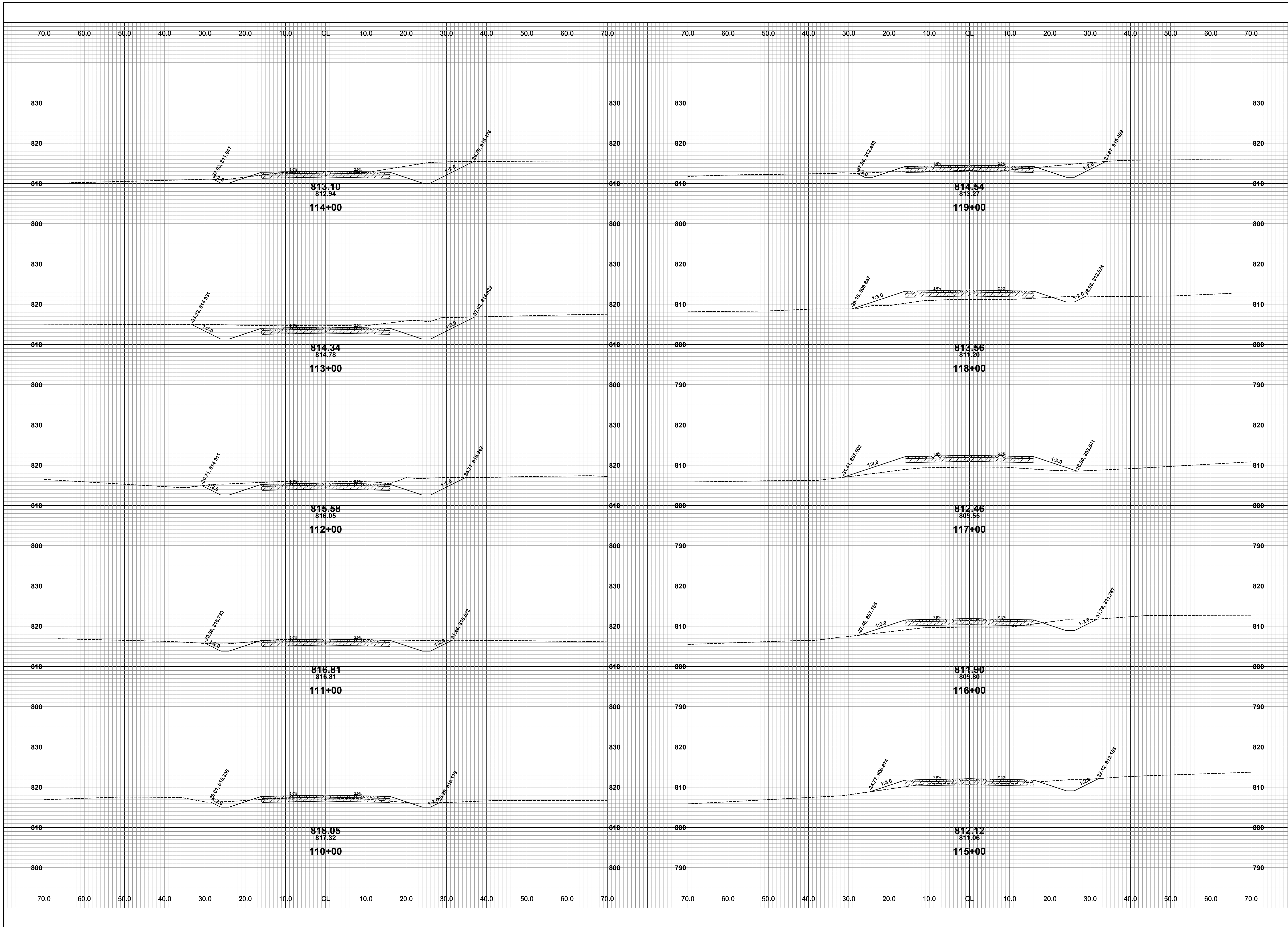
DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1" = 10'



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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 100+00 TO STA. 109+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1"= 10'



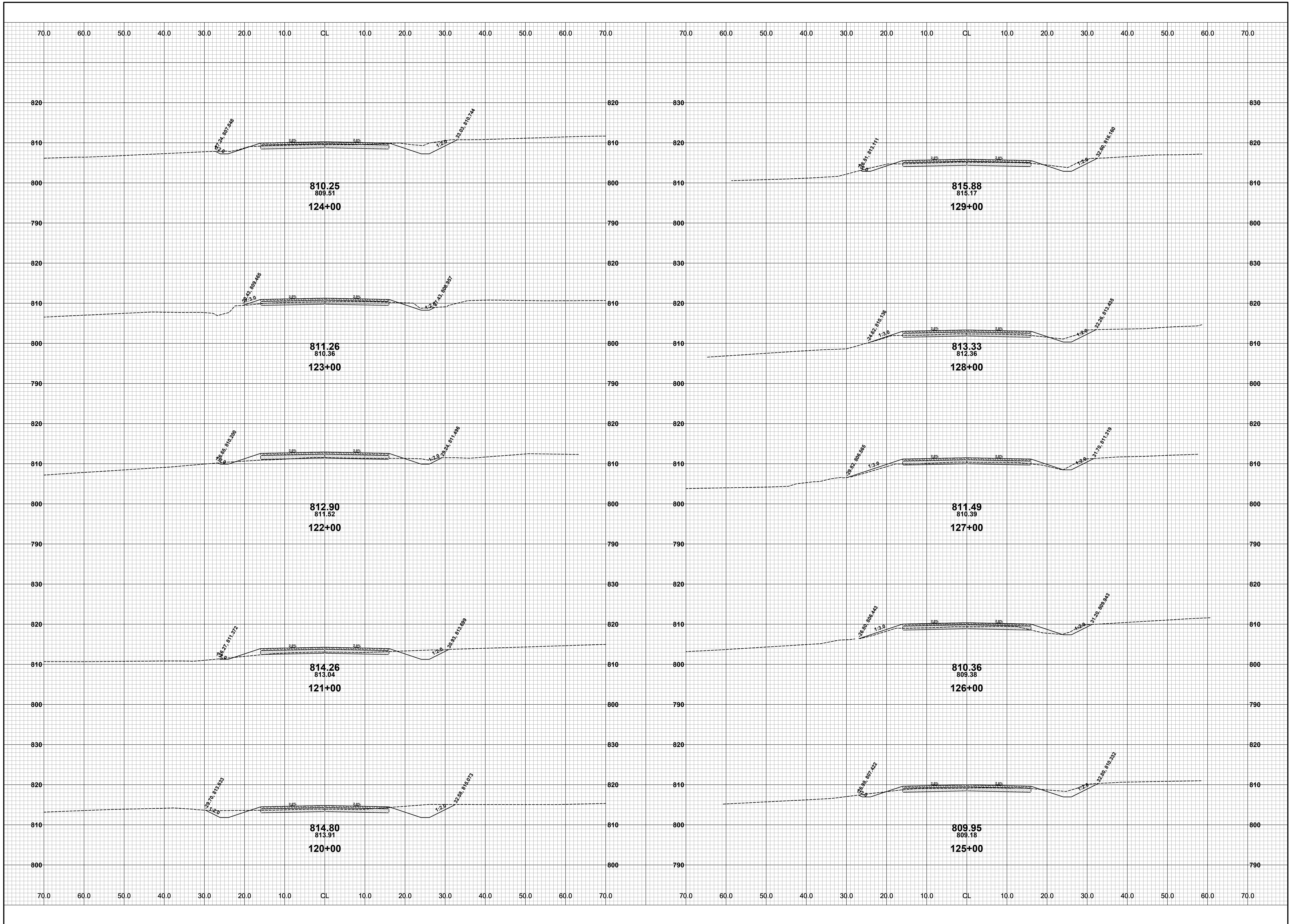
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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 110+00 TO STA. 119+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1" = 10'

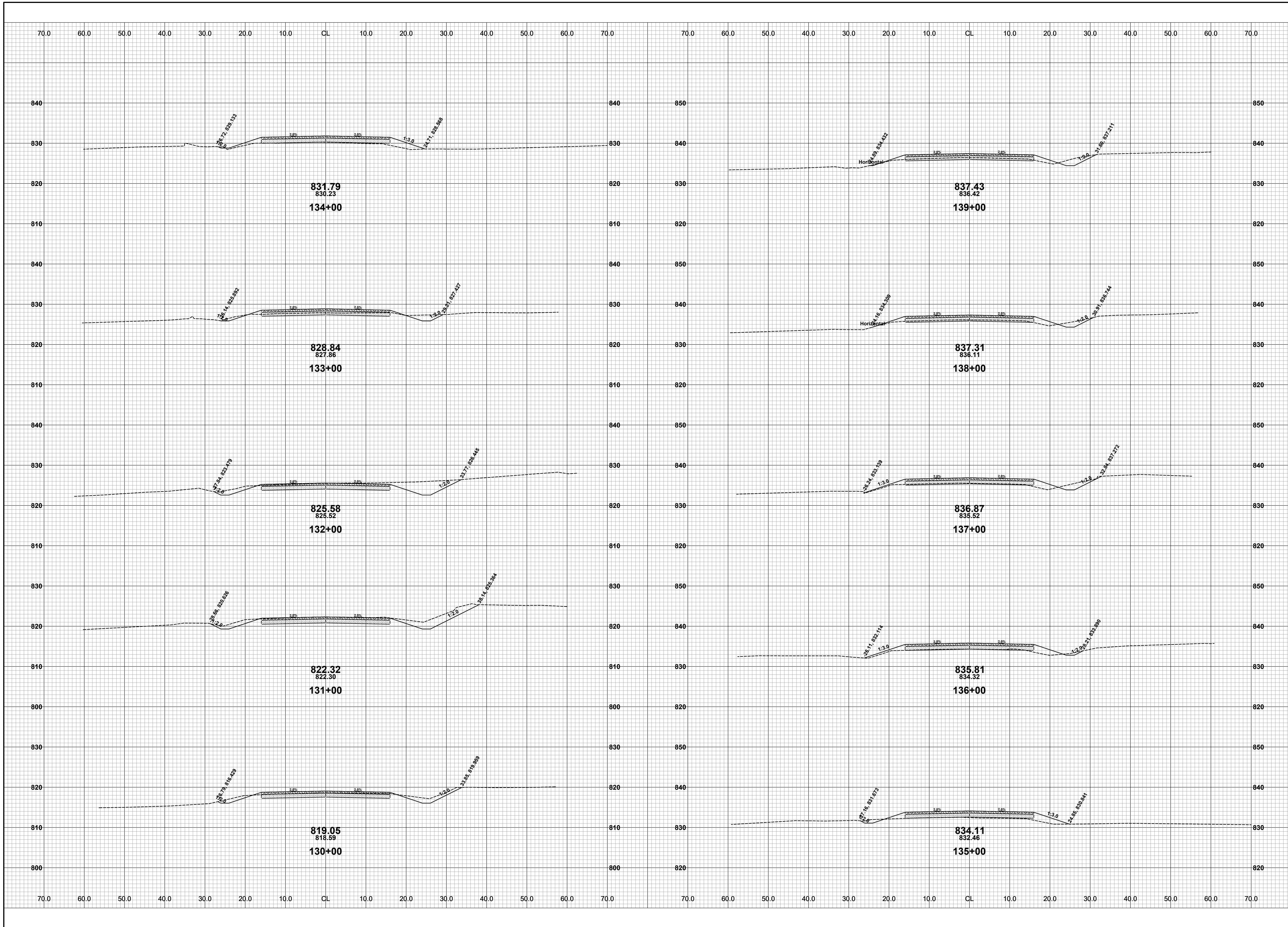




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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 120+00 TO STA. 129+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1"= 10'

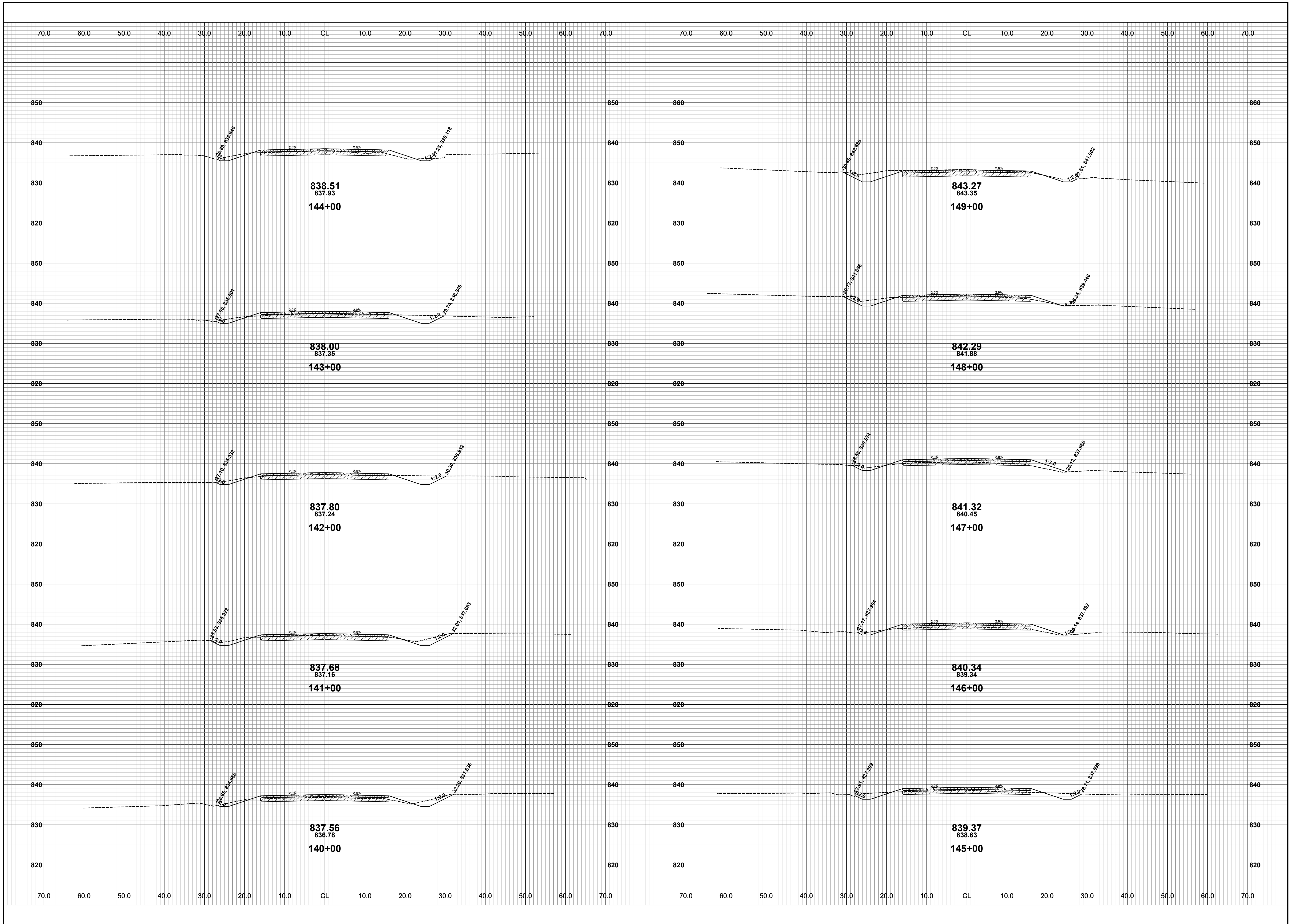


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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 130+00 TO STA. 139+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1" = 10'

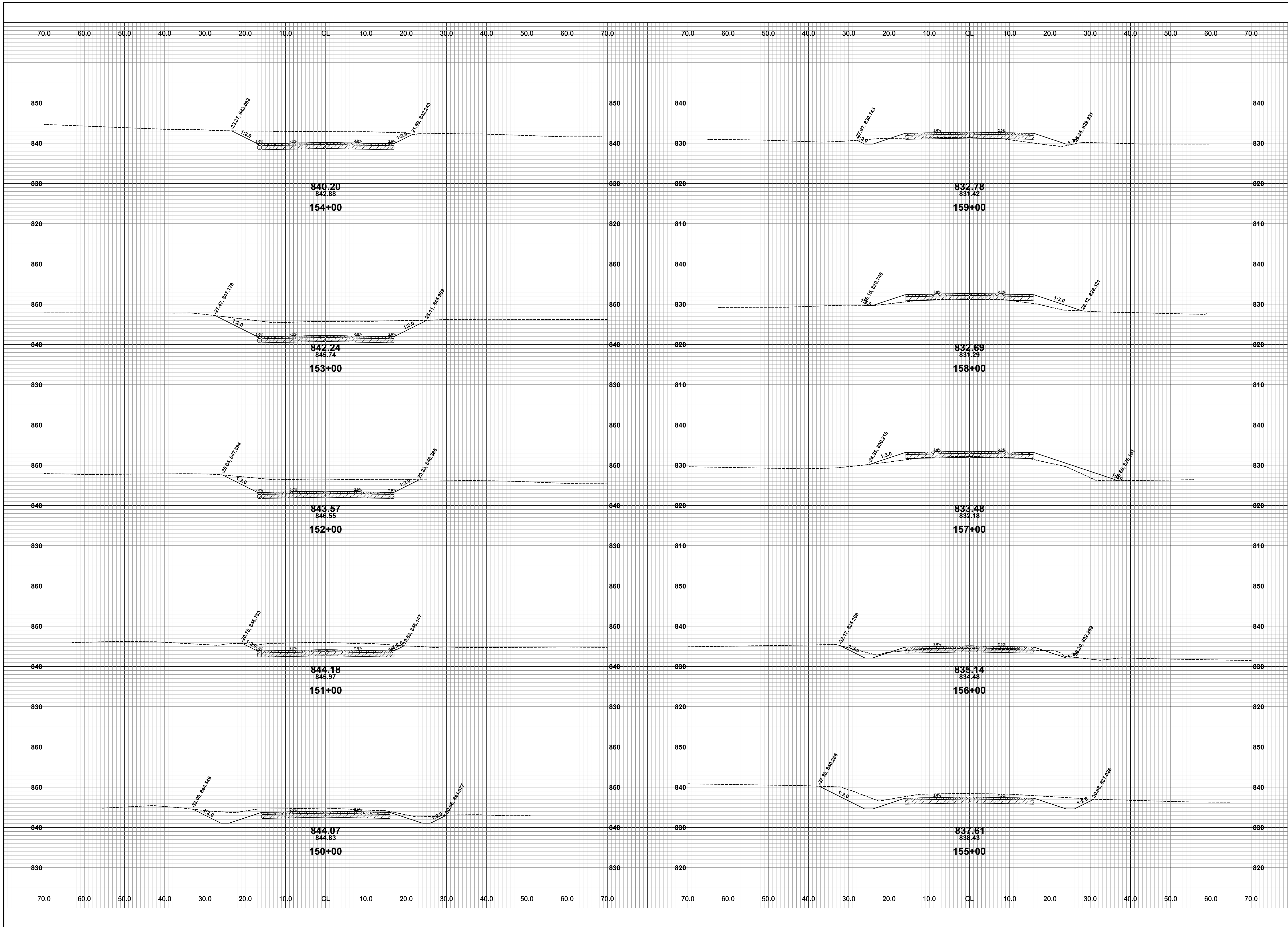


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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 140+00 TO STA. 149+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1"= 10'



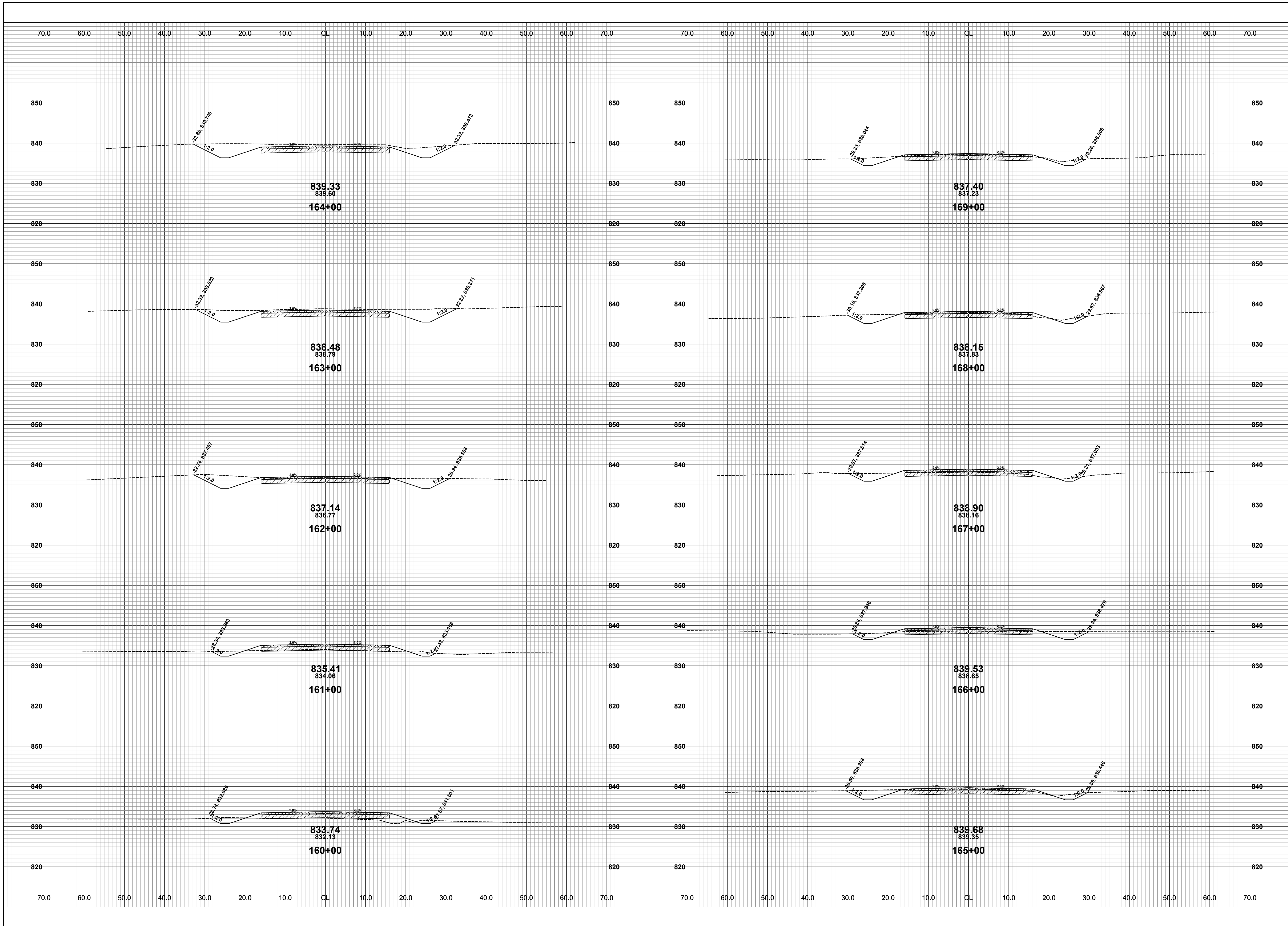


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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 150+00 TO STA. 159+00

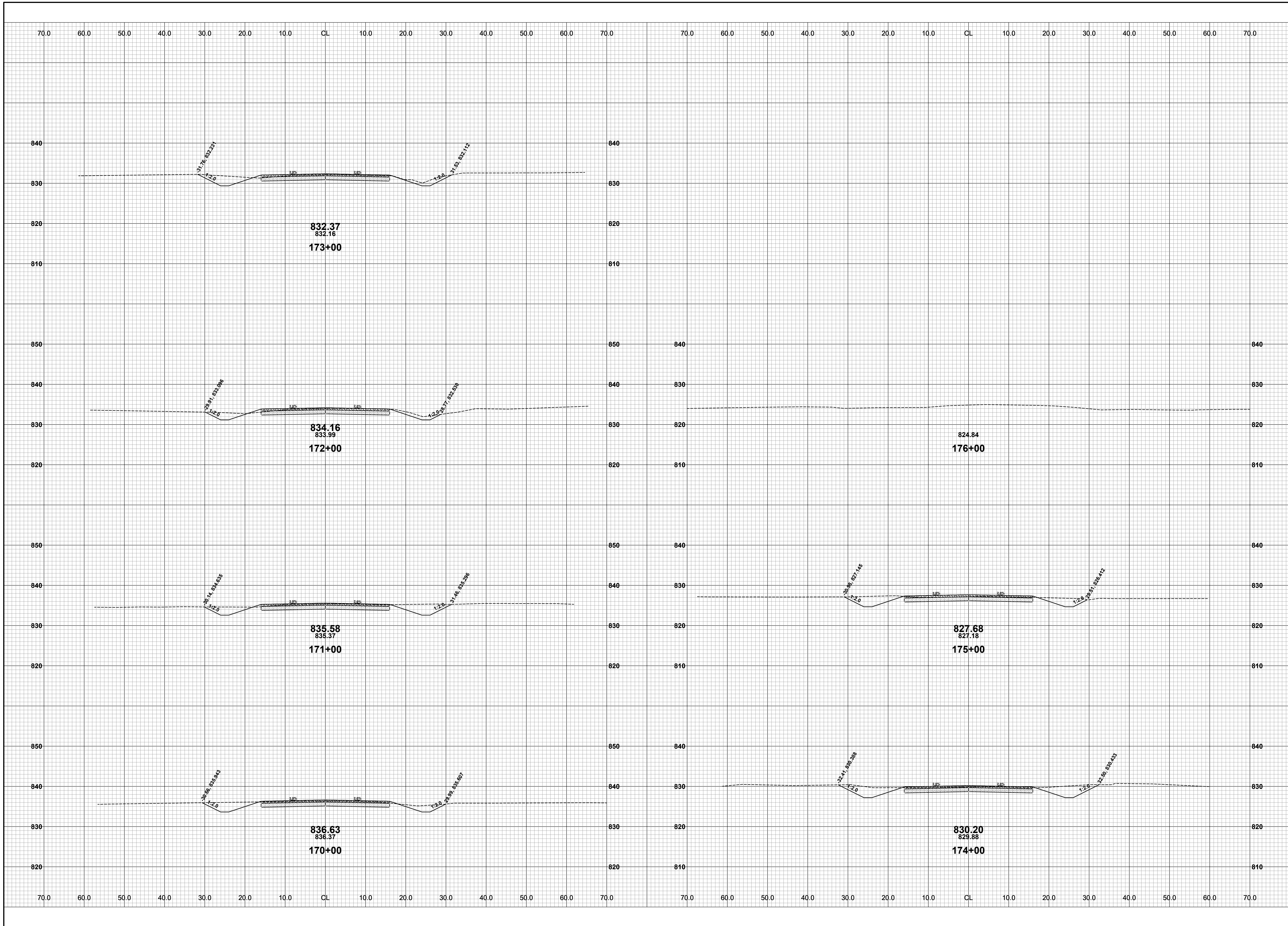
DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1"= 10'



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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 160+00 TO STA. 169+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1"= 10'

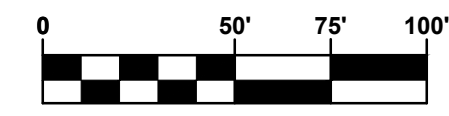
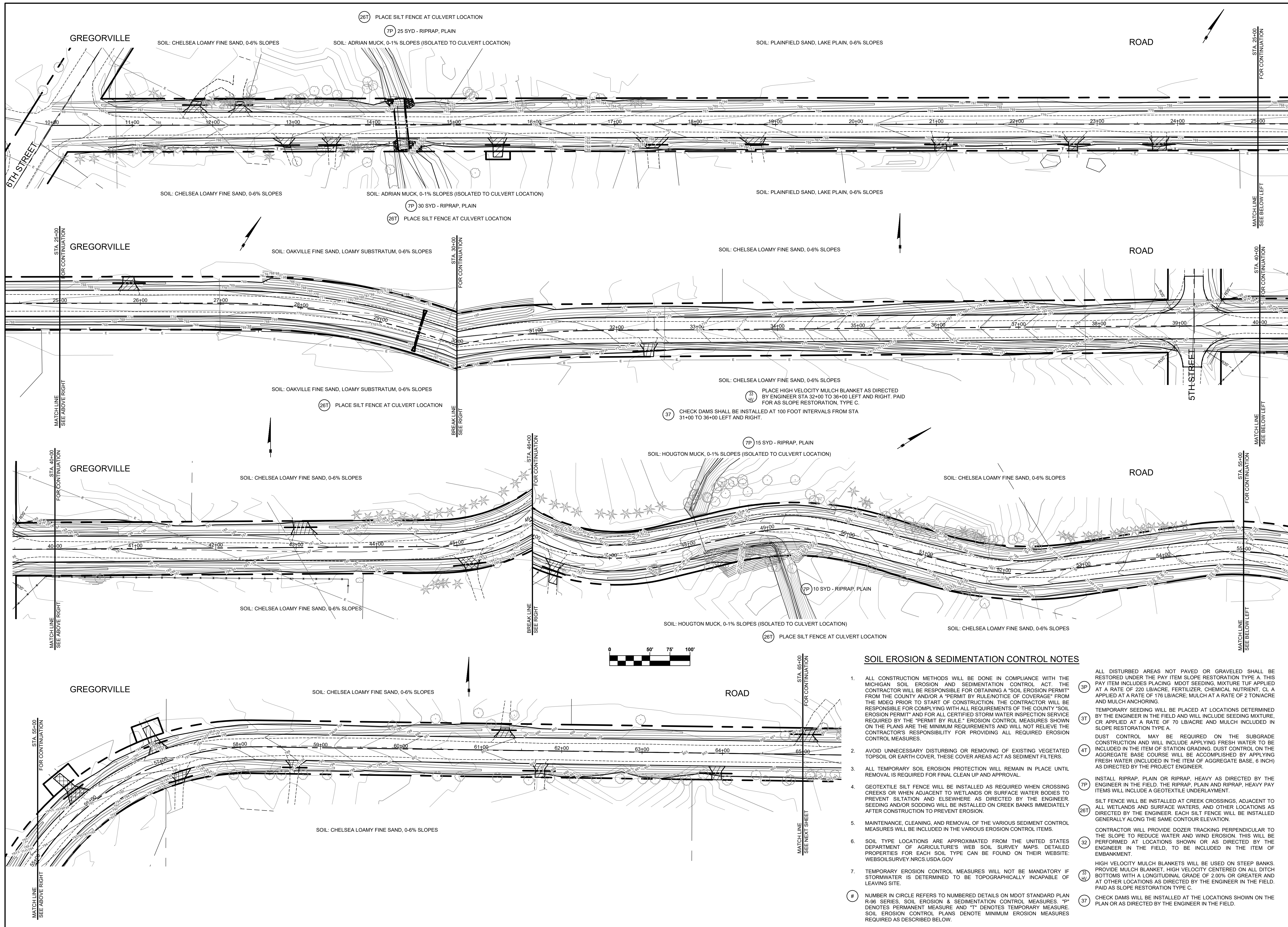


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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
CROSS SECTIONS - STA. 170+00 TO STA. 176+00

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: FEBRUARY 2022  
SCALE: 1" = 10'





**SOIL EROSION & SEDIMENTATION CONTROL NOTES**

- ALL CONSTRUCTION METHODS WILL BE DONE IN COMPLIANCE WITH THE MICHIGAN SOIL EROSION AND SEDIMENTATION CONTROL ACT. THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING A "SOIL EROSION PERMIT" FROM THE COUNTY AND/OR A "PERMIT BY RULE/NOTICE OF COVERAGE" FROM THE MDEQ PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS OF THE COUNTY "SOIL EROSION PERMIT" AND FOR ALL CERTIFIED STORM WATER INSPECTION SERVICE REQUIRED BY THE "PERMIT BY RULE." EROSION CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS AND WILL NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR PROVIDING ALL REQUIRED EROSION CONTROL MEASURES.
  - AVOID UNNECESSARY DISTURBING OR REMOVING OF EXISTING VEGETATED TOPSOIL OR EARTH COVER, THESE COVER AREAS ACT AS SEDIMENT FILTERS.
  - ALL TEMPORARY SOIL EROSION PROTECTION WILL REMAIN IN PLACE UNTIL REMOVAL IS REQUIRED FOR FINAL CLEAN UP AND APPROVAL.
  - GEOTEXTILE SILT FENCE WILL BE INSTALLED AS REQUIRED WHEN CROSSING CREEKS OR WHEN ADJACENT TO WETLANDS OR SURFACE WATER BODIES TO PREVENT SILTATION AND ELSEWHERE AS DIRECTED BY THE ENGINEER. SEEDING AND/OR SODDING WILL BE INSTALLED ON CREEK BANKS IMMEDIATELY AFTER CONSTRUCTION TO PREVENT EROSION.
  - MAINTENANCE, CLEANING, AND REMOVAL OF THE VARIOUS SEDIMENT CONTROL MEASURES WILL BE INCLUDED IN THE VARIOUS EROSION CONTROL ITEMS.
  - SOIL TYPE LOCATIONS ARE APPROXIMATED FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE'S WEB SOIL SURVEY MAPS. DETAILED PROPERTIES FOR EACH SOIL TYPE CAN BE FOUND ON THEIR WEBSITE: [WEBSOILSURVEY.NRCS.USDA.GOV](http://WEBSOILSURVEY.NRCS.USDA.GOV)
  - TEMPORARY EROSION CONTROL MEASURES WILL NOT BE MANDATORY IF STORMWATER IS DETERMINED TO BE TOPOGRAPHICALLY INCAPABLE OF LEAVING SITE.
- # NUMBER IN CIRCLE REFERS TO NUMBERED DETAILS ON MDOT STANDARD PLAN R-96 SERIES, SOIL EROSION & SEDIMENTATION CONTROL MEASURES. "P" DENOTES PERMANENT MEASURE AND "T" DENOTES TEMPORARY MEASURE. SOIL EROSION CONTROL PLANS DENOTE MINIMUM EROSION MEASURES REQUIRED AS DESCRIBED BELOW.
- 3P ALL DISTURBED AREAS NOT PAVED OR GRAVELED SHALL BE RESTORED UNDER THE PAY ITEM SLOPE RESTORATION TYPE A. THIS PAY ITEM INCLUDES PLACING MDOT SEEDING MIXTURE TUF APPLIED AT A RATE OF 220 LB/ACRE, FERTILIZER, CHEMICAL NUTRIENT, CL A APPLIED AT A RATE OF 176 LB/ACRE, MULCH AT A RATE OF 2 TON/ACRE AND MULCH ANCHORING.
- 3T TEMPORARY SEEDING WILL BE PLACED AT LOCATIONS DETERMINED BY THE ENGINEER IN THE FIELD AND WILL INCLUDE SEEDING MIXTURE, OR APPLIED AT A RATE OF 70 LB/ACRE AND MULCH INCLUDED IN SLOPE RESTORATION TYPE A.
- 4T DUST CONTROL MAY BE REQUIRED ON THE SUBGRADE CONSTRUCTION AND WILL INCLUDE APPLYING FRESH WATER TO BE INCLUDED IN THE ITEM OF STATION GRADING. DUST CONTROL ON THE AGGREGATE BASE COURSE WILL BE ACCOMPLISHED BY APPLYING FRESH WATER (INCLUDED IN THE ITEM OF AGGREGATE BASE, 6 INCH) AS DIRECTED BY THE PROJECT ENGINEER.
- 7P INSTALL RIPRAP, PLAIN OR RIPRAP, HEAVY AS DIRECTED BY THE ENGINEER IN THE FIELD. THE RIPRAP, PLAIN AND RIPRAP, HEAVY PAY ITEMS WILL INCLUDE A GEOTEXTILE UNDERLAYMENT.
- 26T SILT FENCE WILL BE INSTALLED AT CREEK CROSSINGS, ADJACENT TO ALL WETLANDS AND SURFACE WATERS, AND OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. EACH SILT FENCE WILL BE INSTALLED GENERALLY ALONG THE SAME CONTOUR ELEVATION.
- 32 CONTRACTOR WILL PROVIDE DOZER TRACKING PERPENDICULAR TO THE SLOPE TO REDUCE WATER AND WIND EROSION. THIS WILL BE PERFORMED AT LOCATIONS SHOWN OR AS DIRECTED BY THE ENGINEER IN THE FIELD, TO BE INCLUDED IN THE ITEM OF EMBANKMENT.
- 3H HIGH VELOCITY MULCH BLANKETS WILL BE USED ON STEEP BANKS, PROVIDE MULCH BLANKET, HIGH VELOCITY CENTERED ON ALL DITCH BOTTOMS WITH A LONGITUDINAL GRADE OF 2.00% OR GREATER AND AT OTHER LOCATIONS AS DIRECTED BY THE ENGINEER IN THE FIELD. PAID AS SLOPE RESTORATION TYPE C.
- 37 CHECK DAMS WILL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

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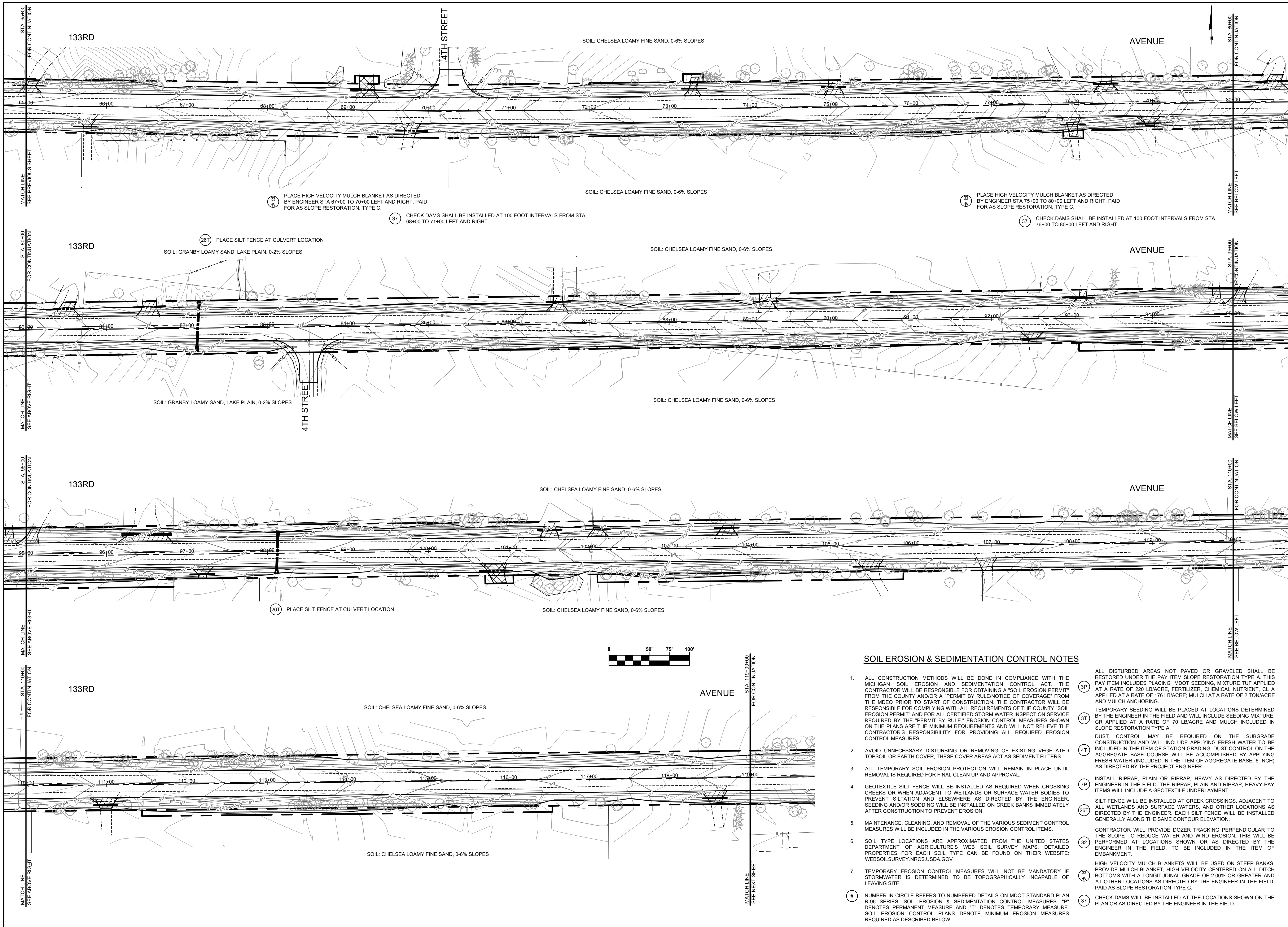
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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD

**SOIL EROSION & SEDIMENTATION CONTROL PLAN P.O.B. TO STA. 65+00**

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: APRIL 2022  
SCALE: 1" = 50'





(33) PLACE HIGH VELOCITY MULCH BLANKET AS DIRECTED BY ENGINEER STA 67+00 TO 70+00 LEFT AND RIGHT. PAID FOR AS SLOPE RESTORATION, TYPE C.

(37) CHECK DAMS SHALL BE INSTALLED AT 100 FOOT INTERVALS FROM STA 68+00 TO 71+00 LEFT AND RIGHT.

(33) PLACE HIGH VELOCITY MULCH BLANKET AS DIRECTED BY ENGINEER STA 75+00 TO 80+00 LEFT AND RIGHT. PAID FOR AS SLOPE RESTORATION, TYPE C.

(37) CHECK DAMS SHALL BE INSTALLED AT 100 FOOT INTERVALS FROM STA 76+00 TO 80+00 LEFT AND RIGHT.

(261) PLACE SILT FENCE AT CULVERT LOCATION

(261) PLACE SILT FENCE AT CULVERT LOCATION

(3P)

(3T)

(4T)

(7P)

(26T)

(32)

(3H)

**SOIL EROSION & SEDIMENTATION CONTROL NOTES**

- ALL CONSTRUCTION METHODS WILL BE DONE IN COMPLIANCE WITH THE MICHIGAN SOIL EROSION AND SEDIMENTATION CONTROL ACT. THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING A "SOIL EROSION PERMIT" FROM THE MDEQ PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS OF THE COUNTY "SOIL EROSION PERMIT" AND FOR ALL CERTIFIED STORM WATER INSPECTION SERVICE REQUIRED BY THE "PERMIT BY RULE." EROSION CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS AND WILL NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR PROVIDING ALL REQUIRED EROSION CONTROL MEASURES.
  - AVOID UNNECESSARY DISTURBING OR REMOVING OF EXISTING VEGETATED TOPSOIL OR EARTH COVER, THESE COVER AREAS ACT AS SEDIMENT FILTERS.
  - ALL TEMPORARY SOIL EROSION PROTECTION WILL REMAIN IN PLACE UNTIL REMOVAL IS REQUIRED FOR FINAL CLEAN UP AND APPROVAL.
  - GEOTEXTILE SILT FENCE WILL BE INSTALLED AS REQUIRED WHEN CROSSING CREEKS OR WHEN ADJACENT TO WETLANDS OR SURFACE WATER BODIES TO PREVENT SILTATION AND ELSEWHERE AS DIRECTED BY THE ENGINEER. SEEDING AND/OR SODDING WILL BE INSTALLED ON CREEK BANKS IMMEDIATELY AFTER CONSTRUCTION TO PREVENT EROSION.
  - MAINTENANCE, CLEANING, AND REMOVAL OF THE VARIOUS SEDIMENT CONTROL MEASURES WILL BE INCLUDED IN THE VARIOUS EROSION CONTROL ITEMS.
  - SOIL TYPE LOCATIONS ARE APPROXIMATED FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE'S WEB SOIL SURVEY MAPS. DETAILED PROPERTIES FOR EACH SOIL TYPE CAN BE FOUND ON THEIR WEBSITE: [WEBSOILSURVEY.NRCS.USDA.GOV](http://WEBSOILSURVEY.NRCS.USDA.GOV)
  - TEMPORARY EROSION CONTROL MEASURES WILL NOT BE MANDATORY IF STORMWATER IS DETERMINED TO BE TOPOGRAPHICALLY INCAPABLE OF LEAVING SITE.
- # NUMBER IN CIRCLE REFERS TO NUMBERED DETAILS ON MDOT STANDARD PLAN R-96 SERIES, SOIL EROSION & SEDIMENTATION CONTROL MEASURES. "P" DENOTES PERMANENT MEASURE AND "T" DENOTES TEMPORARY MEASURE. SOIL EROSION CONTROL PLANS DENOTE MINIMUM EROSION MEASURES REQUIRED AS DESCRIBED BELOW.

ALL DISTURBED AREAS NOT PAVED OR GRAVELED SHALL BE RESTORED UNDER THE PAY ITEM SLOPE RESTORATION TYPE A. THIS PAY ITEM INCLUDES PLACING MDOT SEEDING MIXTURE TUF APPLIED AT A RATE OF 220 LB/ACRE, FERTILIZER, CHEMICAL NUTRIENT, CL A APPLIED AT A RATE OF 176 LB/ACRE, MULCH AT A RATE OF 2 TON/ACRE AND MULCH ANCHORING.

TEMPORARY SEEDING WILL BE PLACED AT LOCATIONS DETERMINED BY THE ENGINEER IN THE FIELD AND WILL INCLUDE SEEDING MIXTURE, OR APPLIED AT A RATE OF 70 LB/ACRE AND MULCH INCLUDED IN SLOPE RESTORATION TYPE A.

DUST CONTROL MAY BE REQUIRED ON THE SUBGRADE CONSTRUCTION AND WILL INCLUDE APPLYING FRESH WATER TO BE INCLUDED IN THE ITEM OF STATION GRADING. DUST CONTROL ON THE AGGREGATE BASE COURSE WILL BE ACCOMPLISHED BY APPLYING FRESH WATER (INCLUDED IN THE ITEM OF AGGREGATE BASE, 6 INCH) AS DIRECTED BY THE PROJECT ENGINEER.

INSTALL RIPRAP, PLAIN OR RIPRAP, HEAVY AS DIRECTED BY THE ENGINEER IN THE FIELD. THE RIPRAP, PLAIN AND RIPRAP, HEAVY PAY ITEMS WILL INCLUDE A GEOTEXTILE UNDERLAYMENT.

SILT FENCE WILL BE INSTALLED AT CREEK CROSSINGS, ADJACENT TO ALL WETLANDS AND SURFACE WATERS, AND OTHER LOCATIONS AS DIRECTED BY THE ENGINEER. EACH SILT FENCE WILL BE INSTALLED GENERALLY ALONG THE SAME CONTOUR ELEVATION.

CONTRACTOR WILL PROVIDE DOZER TRACKING PERPENDICULAR TO THE SLOPE TO REDUCE WATER AND WIND EROSION. THIS WILL BE PERFORMED AT LOCATIONS SHOWN OR AS DIRECTED BY THE ENGINEER IN THE FIELD, TO BE INCLUDED IN THE ITEM OF EMBANKMENT.

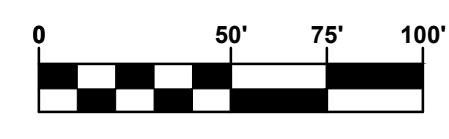
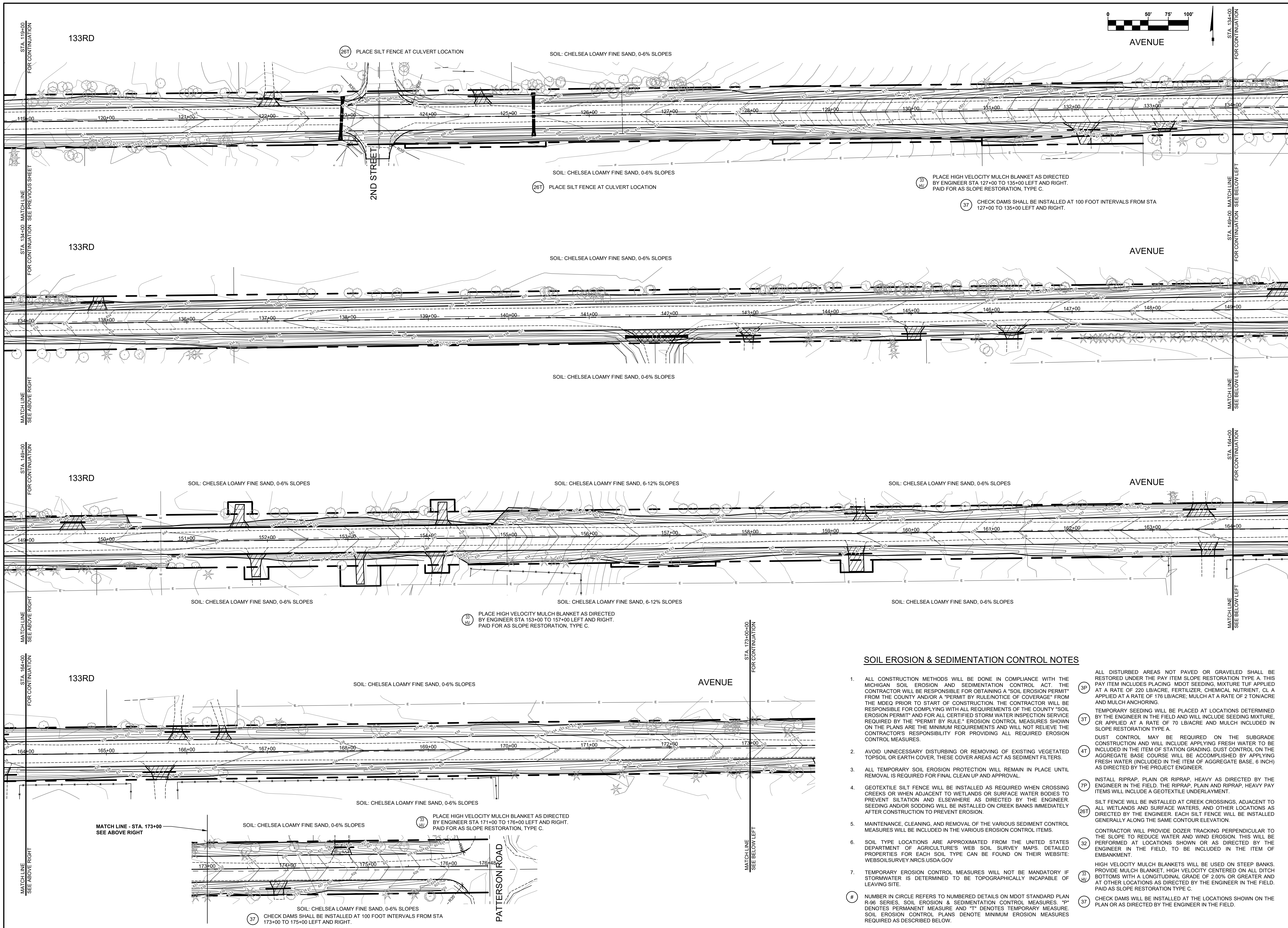
HIGH VELOCITY MULCH BLANKETS WILL BE USED ON STEEP BANKS, PROVIDE MULCH BLANKET, HIGH VELOCITY CENTERED ON ALL DITCH BOTTOMS WITH A LONGITUDINAL GRADE OF 2.00% OR GREATER AND AT OTHER LOCATIONS AS DIRECTED BY THE ENGINEER IN THE FIELD. PAID AS SLOPE RESTORATION TYPE C.

CHECK DAMS WILL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

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DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: APRIL 2022  
SCALE: 1" = 50'





AVENUE

AVENUE

AVENUE

AVENUE

**SOIL EROSION & SEDIMENTATION CONTROL NOTES**

- ALL CONSTRUCTION METHODS WILL BE DONE IN COMPLIANCE WITH THE MICHIGAN SOIL EROSION AND SEDIMENTATION CONTROL ACT. THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING A "SOIL EROSION PERMIT" FROM THE COUNTY AND/OR A "PERMIT BY RULE/NOTICE OF COVERAGE" FROM THE MDEQ PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS OF THE COUNTY "SOIL EROSION PERMIT" AND FOR ALL CERTIFIED STORM WATER INSPECTION SERVICE REQUIRED BY THE "PERMIT BY RULE." EROSION CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS AND WILL NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR PROVIDING ALL REQUIRED EROSION CONTROL MEASURES.
  - AVOID UNNECESSARY DISTURBING OR REMOVING OF EXISTING VEGETATED TOPSOIL OR EARTH COVER, THESE COVER AREAS ACT AS SEDIMENT FILTERS.
  - ALL TEMPORARY SOIL EROSION PROTECTION WILL REMAIN IN PLACE UNTIL REMOVAL IS REQUIRED FOR FINAL CLEAN UP AND APPROVAL.
  - GEOTEXTILE SILT FENCE WILL BE INSTALLED AS REQUIRED WHEN CROSSING CREEKS OR WHEN ADJACENT TO WETLANDS OR SURFACE WATER BODIES TO PREVENT SILTATION AND ELSEWHERE AS DIRECTED BY THE ENGINEER. SEEDING AND/OR SODDING WILL BE INSTALLED ON CREEK BANKS IMMEDIATELY AFTER CONSTRUCTION TO PREVENT EROSION.
  - MAINTENANCE, CLEANING, AND REMOVAL OF THE VARIOUS SEDIMENT CONTROL MEASURES WILL BE INCLUDED IN THE VARIOUS EROSION CONTROL ITEMS.
  - SOIL TYPE LOCATIONS ARE APPROXIMATED FROM THE UNITED STATES DEPARTMENT OF AGRICULTURE'S WEB SOIL SURVEY MAPS. DETAILED PROPERTIES FOR EACH SOIL TYPE CAN BE FOUND ON THEIR WEBSITE: [WEBSOILSURVEY.NRCS.USDA.GOV](http://WEBSOILSURVEY.NRCS.USDA.GOV)
  - TEMPORARY EROSION CONTROL MEASURES WILL NOT BE MANDATORY IF STORMWATER IS DETERMINED TO BE TOPOGRAPHICALLY INCAPABLE OF LEAVING SITE.
- # NUMBER IN CIRCLE REFERS TO NUMBERED DETAILS ON MDOT STANDARD PLAN R-96 SERIES, SOIL EROSION & SEDIMENTATION CONTROL MEASURES. "P" DENOTES PERMANENT MEASURE AND "T" DENOTES TEMPORARY MEASURE. SOIL EROSION CONTROL PLANS DENOTE MINIMUM EROSION MEASURES REQUIRED AS DESCRIBED BELOW.
- ALL DISTURBED AREAS NOT PAVED OR GRAVELED SHALL BE RESTORED UNDER THE PAY ITEM SLOPE RESTORATION TYPE A. THIS PAY ITEM INCLUDES PLACING MDOT SEEDING MIXTURE TUF APPLIED AT A RATE OF 220 LB/ACRE, FERTILIZER, CHEMICAL NUTRIENT, CL A APPLIED AT A RATE OF 176 LB/ACRE, MULCH AT A RATE OF 2 TON/ACRE AND MULCH ANCHORING.
- TEMPORARY SEEDING WILL BE PLACED AT LOCATIONS DETERMINED BY THE ENGINEER IN THE FIELD AND WILL INCLUDE SEEDING MIXTURE, OR APPLIED AT A RATE OF 70 LB/ACRE AND MULCH INCLUDED IN SLOPE RESTORATION TYPE A.
- DUST CONTROL MAY BE REQUIRED ON THE SUBGRADE CONSTRUCTION AND WILL INCLUDE APPLYING FRESH WATER TO BE INCLUDED IN THE ITEM OF STATION GRADING. DUST CONTROL ON THE AGGREGATE BASE COURSE WILL BE ACCOMPLISHED BY APPLYING FRESH WATER (INCLUDED IN THE ITEM OF AGGREGATE BASE, 6 INCH) AS DIRECTED BY THE PROJECT ENGINEER.
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- CHECK DAMS WILL BE INSTALLED AT THE LOCATIONS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER IN THE FIELD.

**Board of County Road Commissioners  
Of Allegan County**  
1308 LINCOLN ROAD  
ALLEGAN, MICHIGAN 49010-9762  
www.alleganroads.org  
TELEPHONE (269) 673-2184 FAX (269) 673-5922

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**GREGORVILLE ROAD RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 6TH STREET TO PATTERSON ROAD  
SOIL EROSION & SEDIMENTATION CONTROL PLAN STA. 119+00 TO P.O.E.

DRAWN BY: ACW  
REVIEWED BY: RPB  
DATE: APRIL 2022  
SCALE: 1" = 50'