

# ALLEGAN COUNTY ROAD COMMISSION

## 125TH AVENUE RECONSTRUCTION PROJECT

### 10TH STREET TO 7TH STREET

## WAYLAND TOWNSHIP

#### UTILITY CONTACTS

**ELECTRIC**  
 CONSUMERS ENERGY  
 4000 CLAY AVE, SW  
 GRAND RAPIDS, MI 49548  
 317-445-8814  
 COLE ROCHOWIAK  
 HAMHSTCIVIMP@cmsenergy.com

**TELEPHONE**  
 AT&T  
 269-384-4472  
 CARRIE DEMOTT  
 cd3249@att.com

**GAS**  
 MICHIGAN GAS UTILITIES  
 616-844-7514  
 SETH PURUCKER  
 seth.purucker@michigangasutilities.com

\*MISS DIG\* 811

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

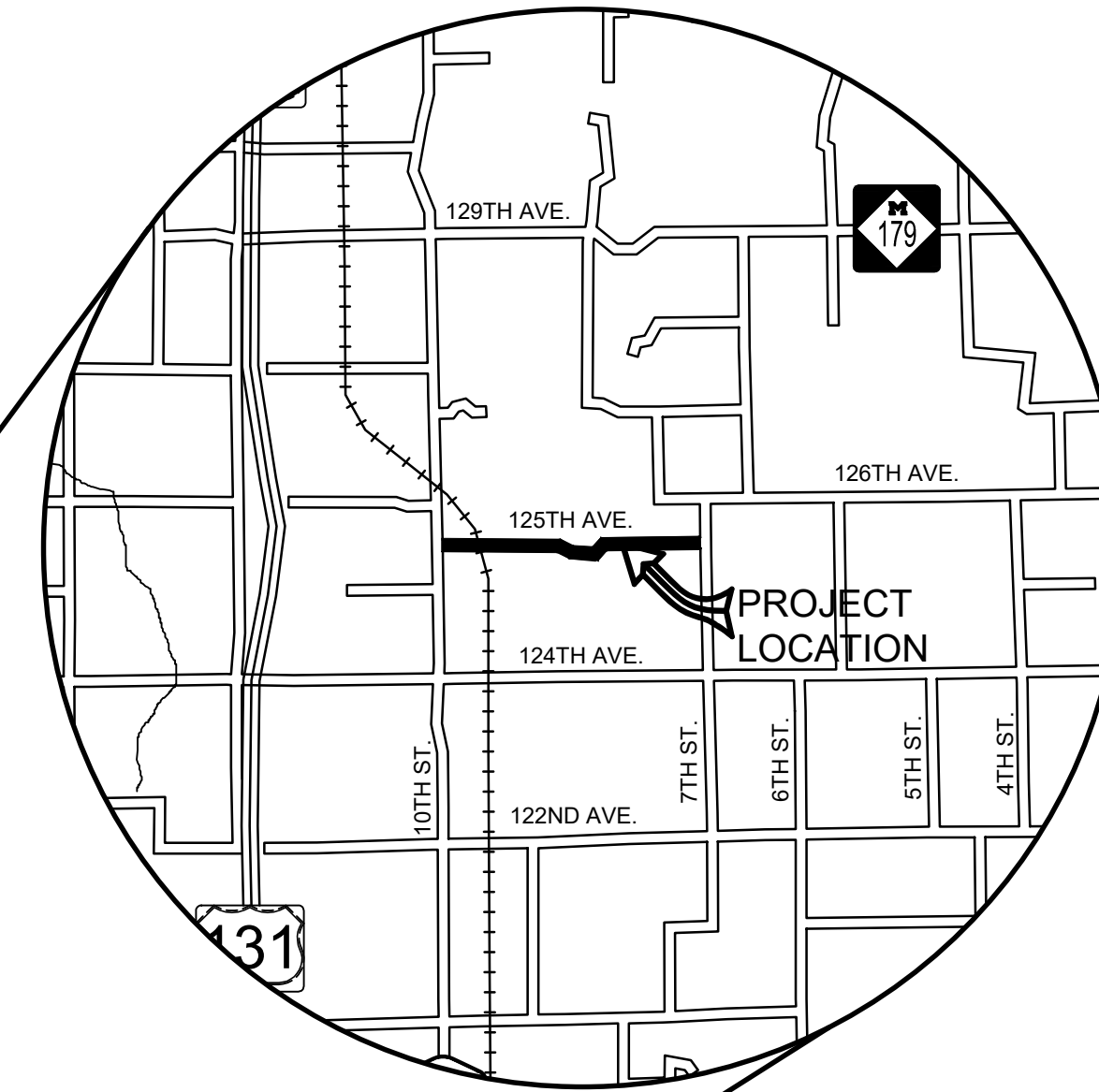
1308 LINCOLN ROAD  
 ALLEGAN, MICHIGAN 49010-9762  
 www.alleganroads.org FAX (269) 673-5922  
 TELEPHONE (269) 673-2184

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.

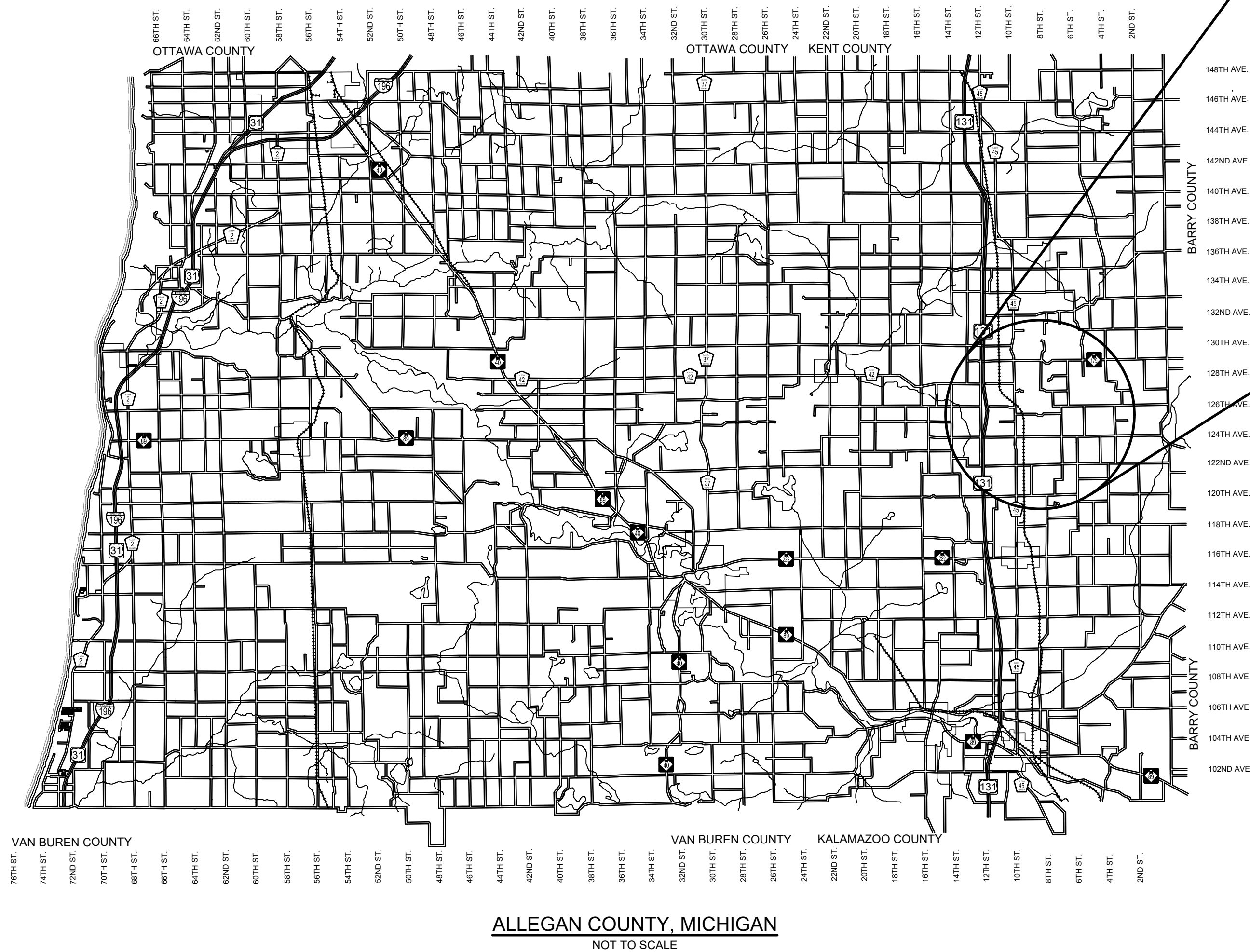
THE CONTRACTOR SHALL DIAL MISS DIG @ 811 FOR PROTECTION OF UNDER GROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY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



REVISIONS	
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- 21-22 - SOIL EROSION AND SEDIMENTATION CONTROL PLAN



**CONTRACT FOR ROAD IMPROVEMENTS**  
 1.54 MILES OF ROADWAY RECONSTRUCTION INCLUDING CLEARING, GRADE ESTABLISHMENT, SAND SUBBASE, AGGREGATE BASE, CULVERT REPLACEMENTS, HMA PAVING, AND RESTORATION ON 125TH AVENUE FROM 10TH STREET TO 7TH STREET IN WAYLAND TOWNSHIP, ALLEGAN COUNTY.

PREPARED UNDER THE SUPERVISION OF:

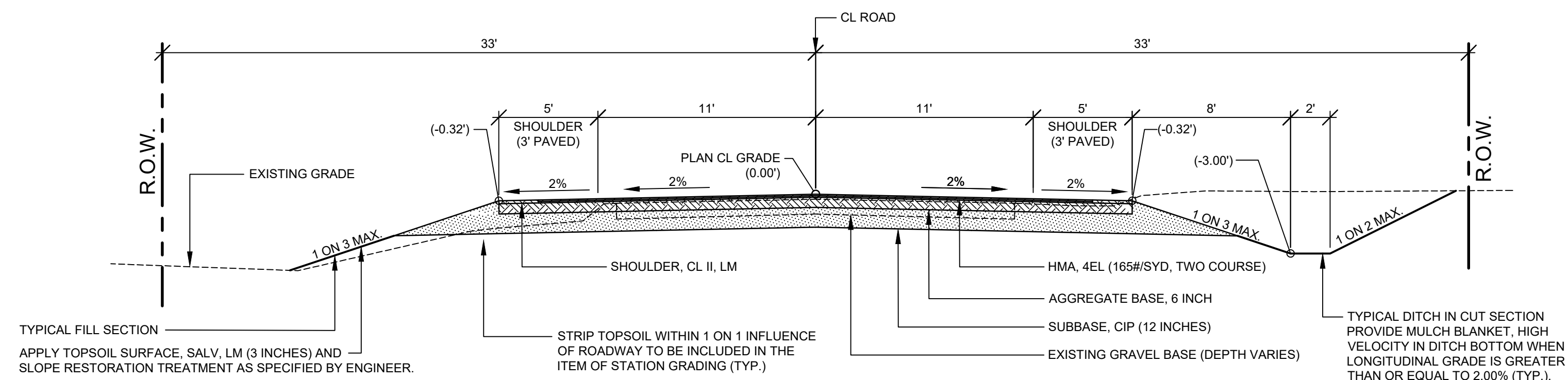
*Addison Carter*  
 1/11/2024

ADDISON C. WOLF  
 REGISTERED PROFESSIONAL ENGINEER No. 6201310174

**125TH AVENUE RECONSTRUCTION PROJECT**  
 WAYLAND TOWNSHIP  
 COVER SHEET

<b>DRAWN BY:</b>	ACW
<b>REVIEWED BY:</b>	
<b>DATE:</b>	OCTOBER 2023
<b>SCALE:</b>	NONE

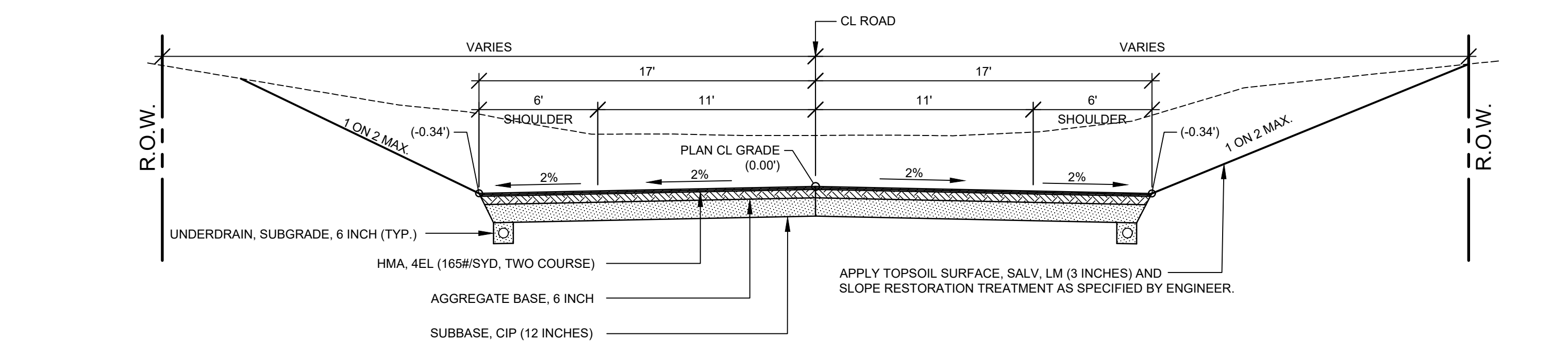
LH 400080 1



**TYPICAL SECTION - 125TH AVENUE (32' WIDE)**

SCALE: 1" = 5'

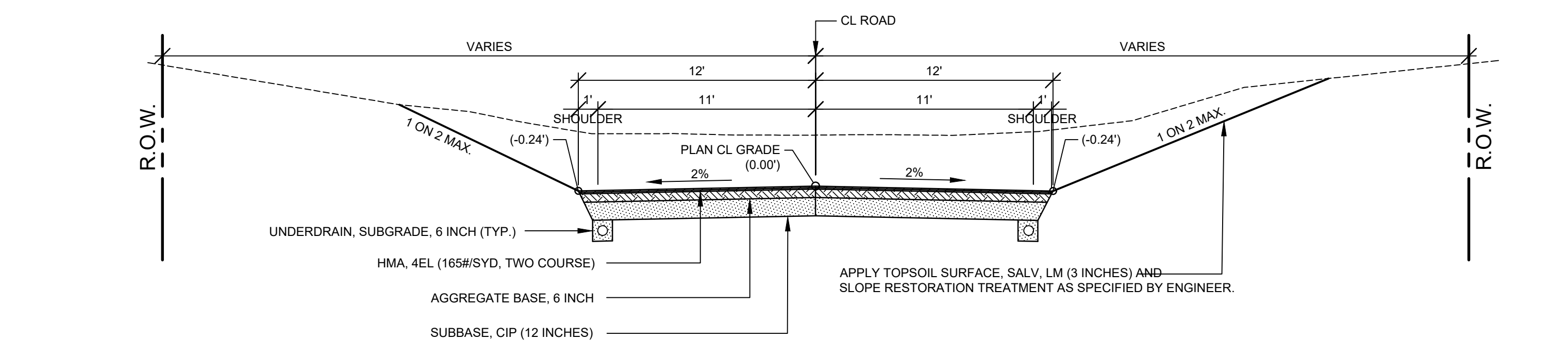
THIS SECTION APPLIES TO:  
 P.O.B. TO STA. 39+50  
 STA. 70+00 TO P.O.E. LT.  
 STA. 74+00 TO P.O.E. RT.



**TYPICAL SECTION - VALLEY GUTTER (34' WIDE)**

SCALE: 1" = 5'

THIS SECTION APPLIES TO:  
 STA. 39+50 TO STA. 41+00  
 STA. 63+75 TO STA. 70+00 LT.  
 STA. 63+75 TO STA. 74+00 RT.



**TYPICAL SECTION - VALLEY GUTTER (24' WIDE)**

SCALE: 1" = 5'

THIS SECTION APPLIES TO:  
 STA. 41+00 TO STA. 63+75

ITEM	AWI	YIELD	PERFORMANCE GRADE
HMA, 4EL (TOP)	220	165#/SYD	P.G. 64 - 28
HMA, 4EL (LEVELING)		165#/SYD	P.G. 64 - 28
HMA BOND COAT (NOT A PAY ITEM)		0.05 TO 0.15 GAL/SYD	SS - 1h

**HMA APPLICATION TABLE**

**MISCELLANEOUS QUANTITIES**

DESCRIPTION	QUANTITY	UNIT
SUBGRADE UNDERCUTTING, TYPE II	1500	CYD
AGGREGATE, BA	50	TON
GEOTEXTILE, STABILIZATION	2500	SYD
CULV END SECT, CONC, 18 INCH	2	EA
CULV, CL E, CONC, 18 INCH	48	FT
RIPRAP, PLAIN	20	SYD
EROSION CONTROL, SILT FENCE	2500	FT
EROSION CONTROL, CHECK DAM	100	FT
APPROACH, CL II	100	TON
APPROACH, HMA MILLINGS	100	TON
CULV, CL F, 12 INCH	80	FT
CULV, CL F, 18 INCH	40	FT

**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 ALL CULVERT REMOVAL, FENCE REMOVAL, FENCE RELOCATION REGARDLESS OF FENCE TYPE, OBLITERATING/PULVERIZING ROADWAY, ROCK EXCAVATION, CONCRETE REMOVAL, HMA REMOVAL, EARTH EXCAVATION, EMBANKMENT, SAW CUTS REQUIRED, 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 APRIL 6, 2023. 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), MDT 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 SPEC 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.

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REVISIONS	1	2	3	4	5	6	7

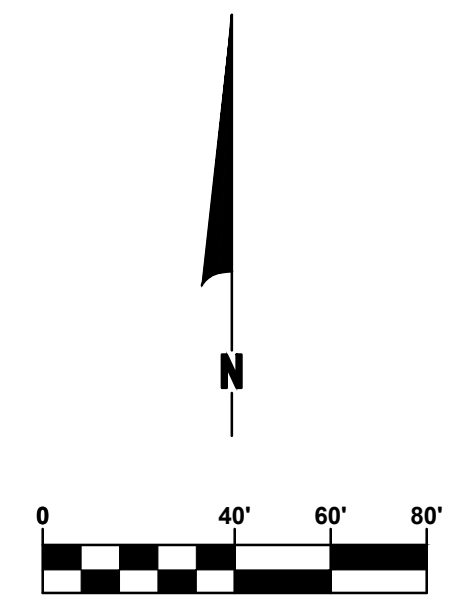
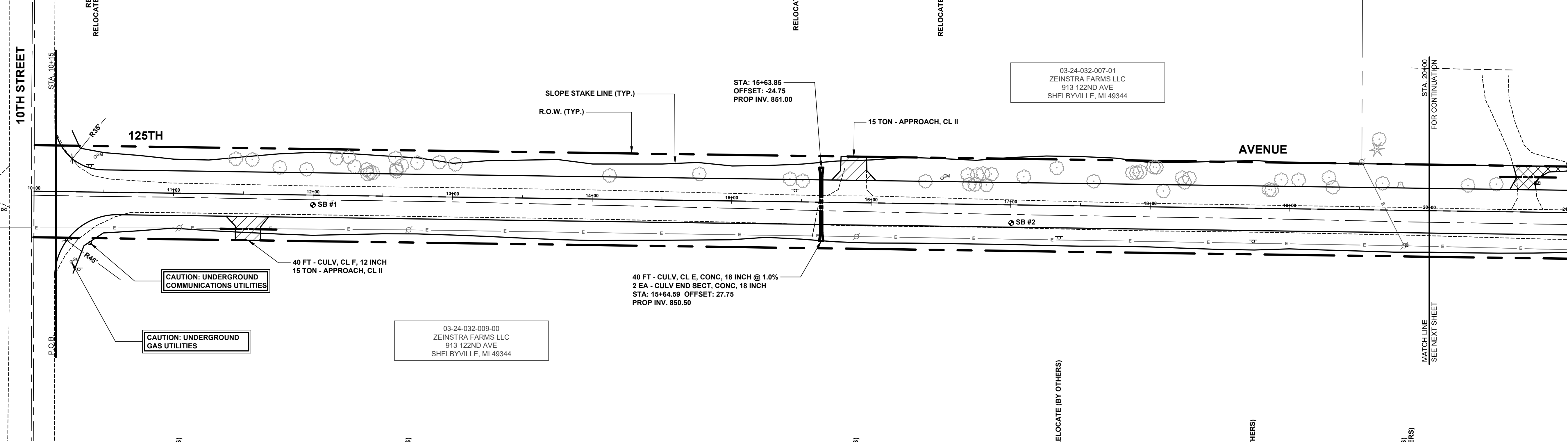
**125TH AVENUE RECONSTRUCTION PROJECT**  
 WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET

TYPICAL SECTIONS, DETAILS, & NOTES

DRAWN BY:	ACW
REVIEWED BY:	
DATE:	OCTOBER 2023
SCALE:	AS NOTED

LH 400080 2

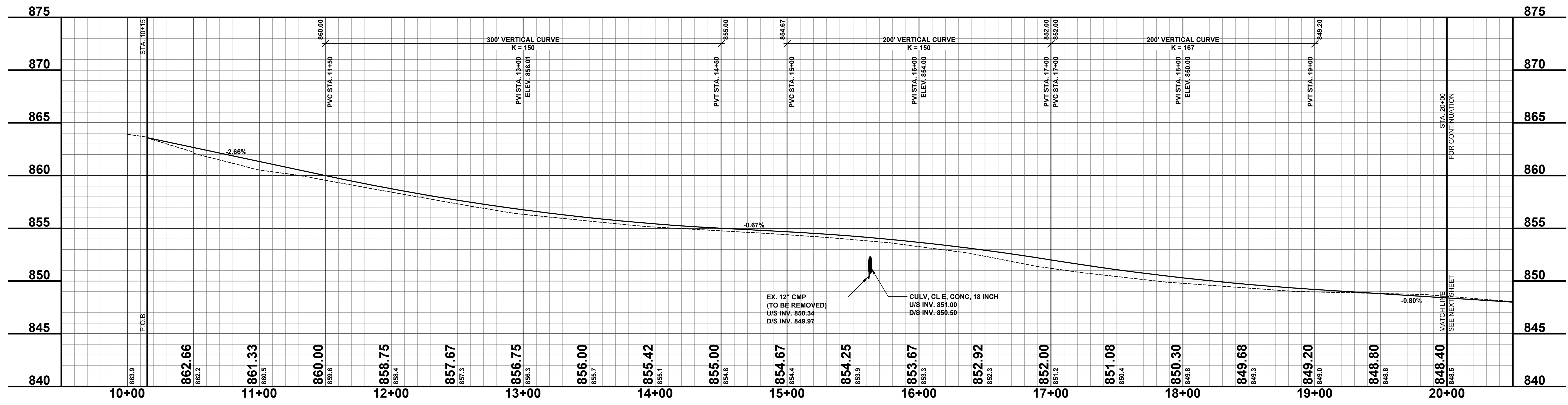
SOIL BORINGS	
SB #1	0 - 3.5' ASPHALT
	3.5' - 10' BROWN & DARK BROWN FINE TO MED SAND, SOME FINE GRAVEL
	10' - 30' BROWN SILTY, CLAYEY FINE SAND
	30' - 60' BROWN FINE SAND
	60" END OF BORING
SB #2	0 - 4.5' ASPHALT
	4.5' - 12' BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
	12' - 36' DARK BROWN SILTY, CLAYEY FINE SAND
	36' - 60' BROWN VERY SANDY CLAY, TRACE FINE GRAVEL
	60" END OF BORING



- 10+27 GAS MARKER POST 50.3'
- 10+33 SIGN, ORCHARD HILLS GOLF 55.6'
- 10+41 TELE RISER BOX 36.7'
- 11+04 POWER POLE 24.9' - RELOCATE (BY OTHERS)
- 12+69 POWER POLE 23.9' - RELOCATE (BY OTHERS)
- 15+63 12" CMP 25.0' - REMOVE
- 15+90 POWER POLE 24.3' - RELOCATE (BY OTHERS)
- 17+35 SIGN, RAILROAD CROSSING SIGNAL 23.1' - RELOCATE (BY OTHERS)
- 18+74 SIGN, STOP AHEAD 23.8' - RELOCATE (BY OTHERS)
- 19+62 POWER POLE 25.4' - RELOCATE (BY OTHERS)
- 19+64 TELE RISER BOX 25.1' - RELOCATE (BY OTHERS)

**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, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (TOP).
	SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT, REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (TOP).

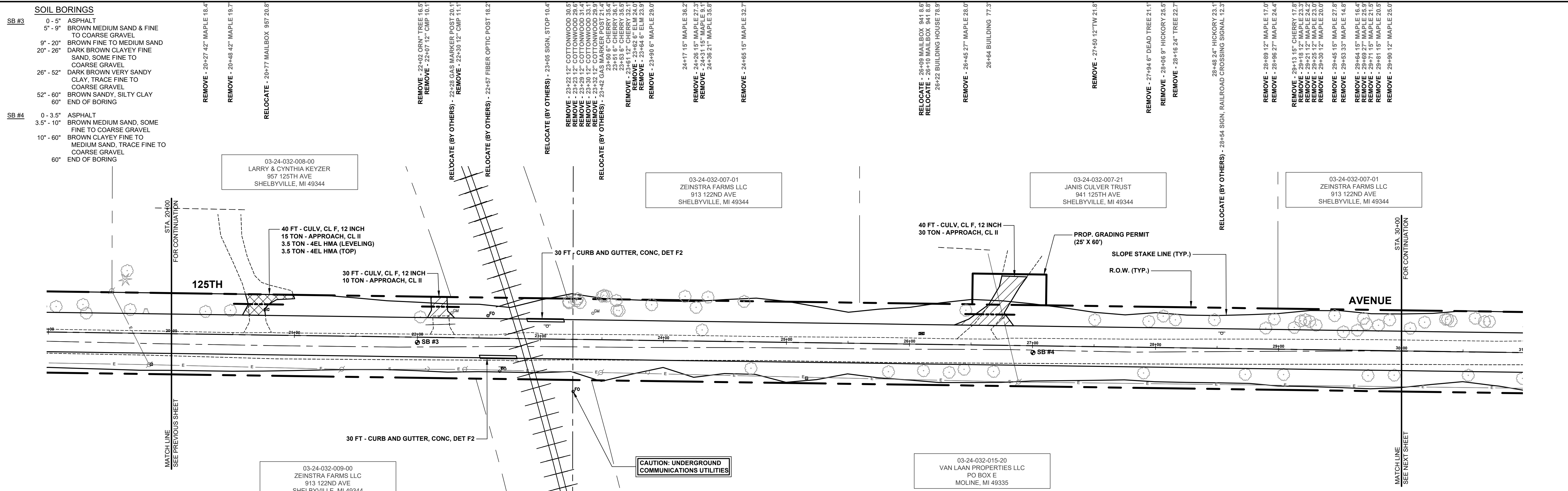


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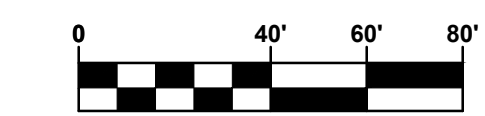
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**125TH AVENUE RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET  
PLAN & PROFILE - STA. P.O.B. TO STA. 20+00

DRAWN BY: ACW  
REVIEWED BY:  
DATE: OCTOBER 2023  
SCALE: 1"= 40', 5V



Station	Elevation
20+00	848.40
21+00	847.60
22+00	846.52
23+00	844.90
24+00	841.43
25+00	838.53
26+00	837.24
27+00	835.30
28+00	834.22
29+00	833.99
30+00	834.56



- 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, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (TOP).
  - SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT, REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (TOP).

**SOIL BORINGS**

SB #3	SB #4
0 - 5" ASPHALT	0 - 3.5" ASPHALT
5" - 9" BROWN MEDIUM SAND & FINE TO COARSE GRAVEL	3.5" - 10" BROWN MEDIUM SAND, SOME FINE TO COARSE GRAVEL
9" - 20" BROWN FINE TO MEDIUM SAND	10" - 60" BROWN CLAYEY FINE TO MEDIUM SAND, TRACE FINE TO COARSE GRAVEL
20" - 26" DARK BROWN CLAYEY FINE SAND, SOME FINE TO COARSE GRAVEL	60" END OF BORING
26" - 52" DARK BROWN VERY SANDY CLAY, TRACE FINE TO COARSE GRAVEL	
52" - 60" BROWN SANDY, SILTY CLAY	
60" END OF BORING	

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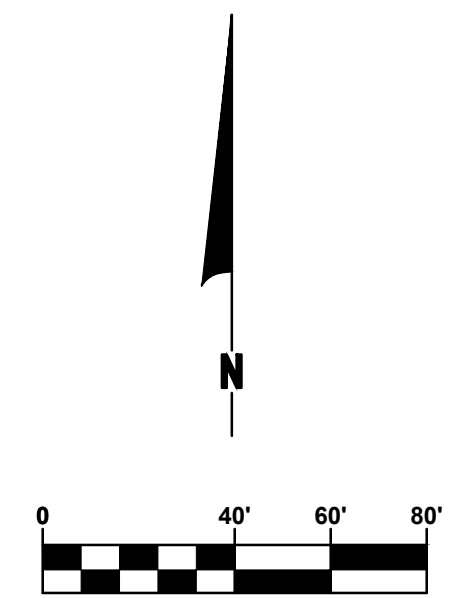
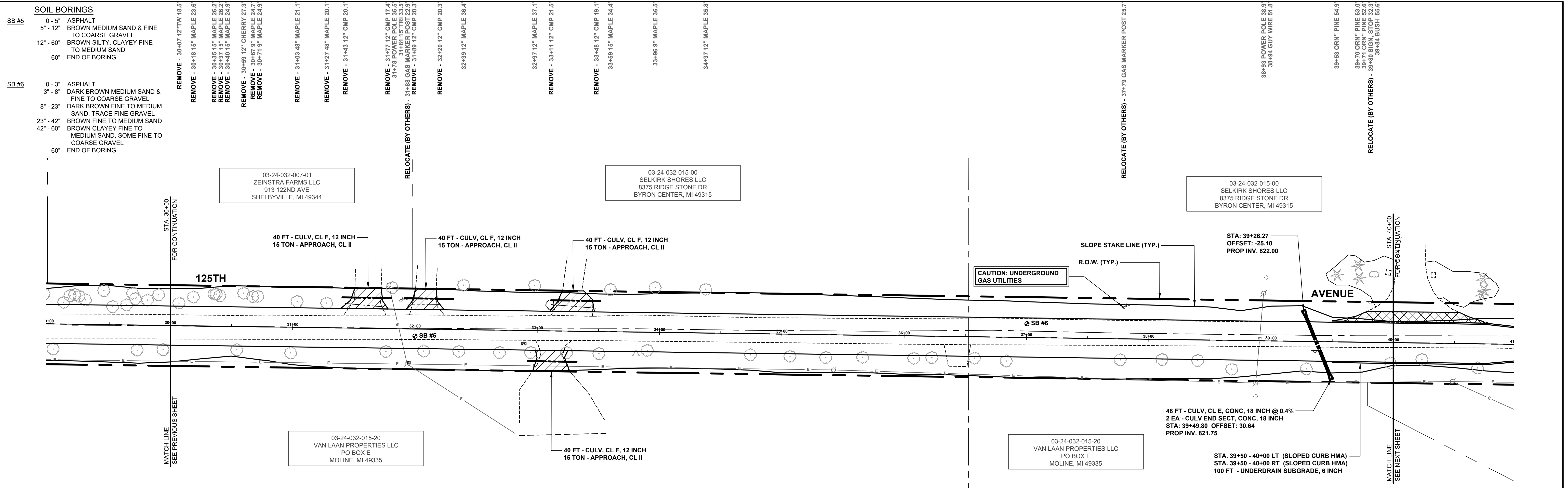
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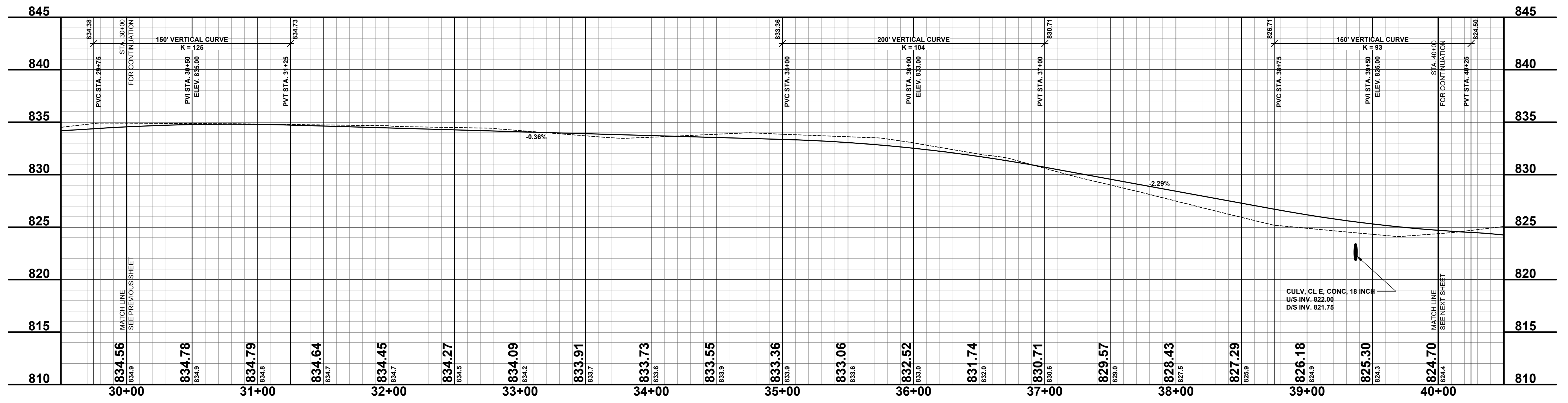
**125TH AVENUE RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET  
PLAN & PROFILE - STA. 20+00 TO STA. 30+00

DRAWN BY: ACW  
REVIEWED BY:  
DATE: OCTOBER 2023  
SCALE: 1"= 40'H, 5'V

LH 400080 4



- 30+54 42" MAPLE 19.1' - REMOVE
- 30+99 45" MAPLE 21.0' - REMOVE
- 31+76 35" MAPLE 18.7' - REMOVE
- 31+84 POWER POLE 28.8'
- 31+85 TELE RISER BOX 27.5'
- 32+07 35" MAPLE 18.0' - REMOVE
- 32+36 42" MAPLE 17.8' - REMOVE
- 32+69 30" MAPLE 18.3' - REMOVE
- 32+86 BUILDING BARN 65.9'
- 32+89 MAILBOX 900 10.9' - RELOCATE
- 32+95 30" MAPLE 17.9' - REMOVE
- 33+24 30" MAPLE 17.7' - REMOVE
- 33+51 42" MAPLE 18.0' - REMOVE
- 33+57 BUILDING 83.2'
- 33+81 15" STUMP 17.4' - REMOVE
- 33+90 21" ASH 14.8' - REMOVE
- 34+75 30" MAPLE 17.3' - REMOVE
- 35+07 42" MAPLE 18.0' - REMOVE
- 35+36 35" MAPLE 18.6' - REMOVE
- 35+43 POWER POLE 28.7'
- 35+66 35" MAPLE 18.0' - REMOVE
- 36+08 35" MAPLE 18.2' - REMOVE
- 36+23 35" MAPLE 17.5' - REMOVE
- 36+58 35" MAPLE 17.5' - REMOVE
- 36+84 42" MAPLE 19.5' - REMOVE
- 37+77 35" MAPLE 17.2' - REMOVE
- 38+11 36" MAPLE 16.4' - REMOVE
- 38+40 48" MAPLE 16.9' - REMOVE
- 38+68 35" WALNUT 23.5' - REMOVE
- 38+86 GUY WIRE 45.5'
- 38+88 POWER POLE 34.6'
- 39+28 60" WALNUT 22.6' - REMOVE
- 39+36 SIGN, CURVE AHEAD 8.2' - RELOCATE (BY OTHERS)
- 39+88 27" WALNUT 16.7' - REMOVE



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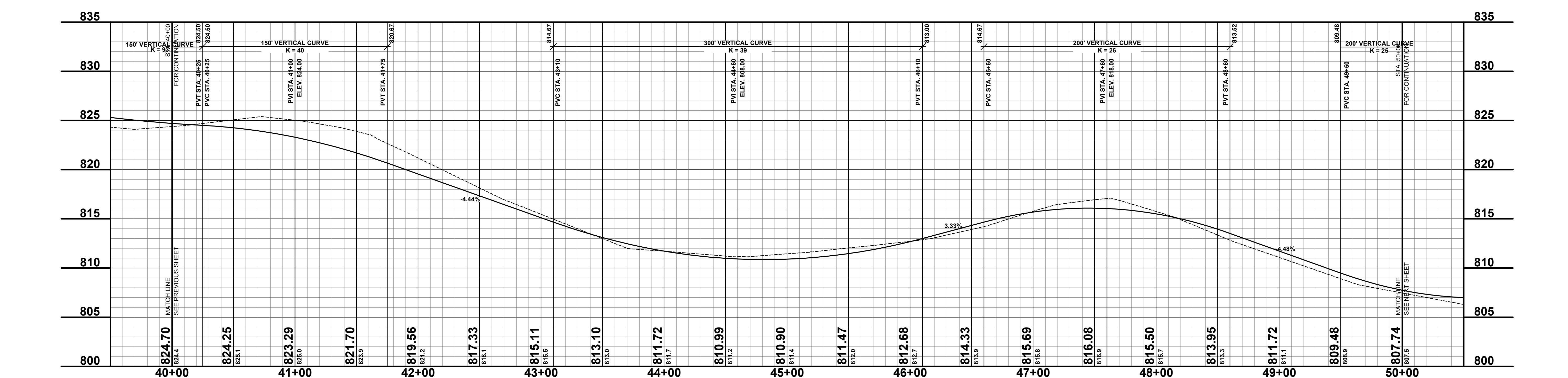
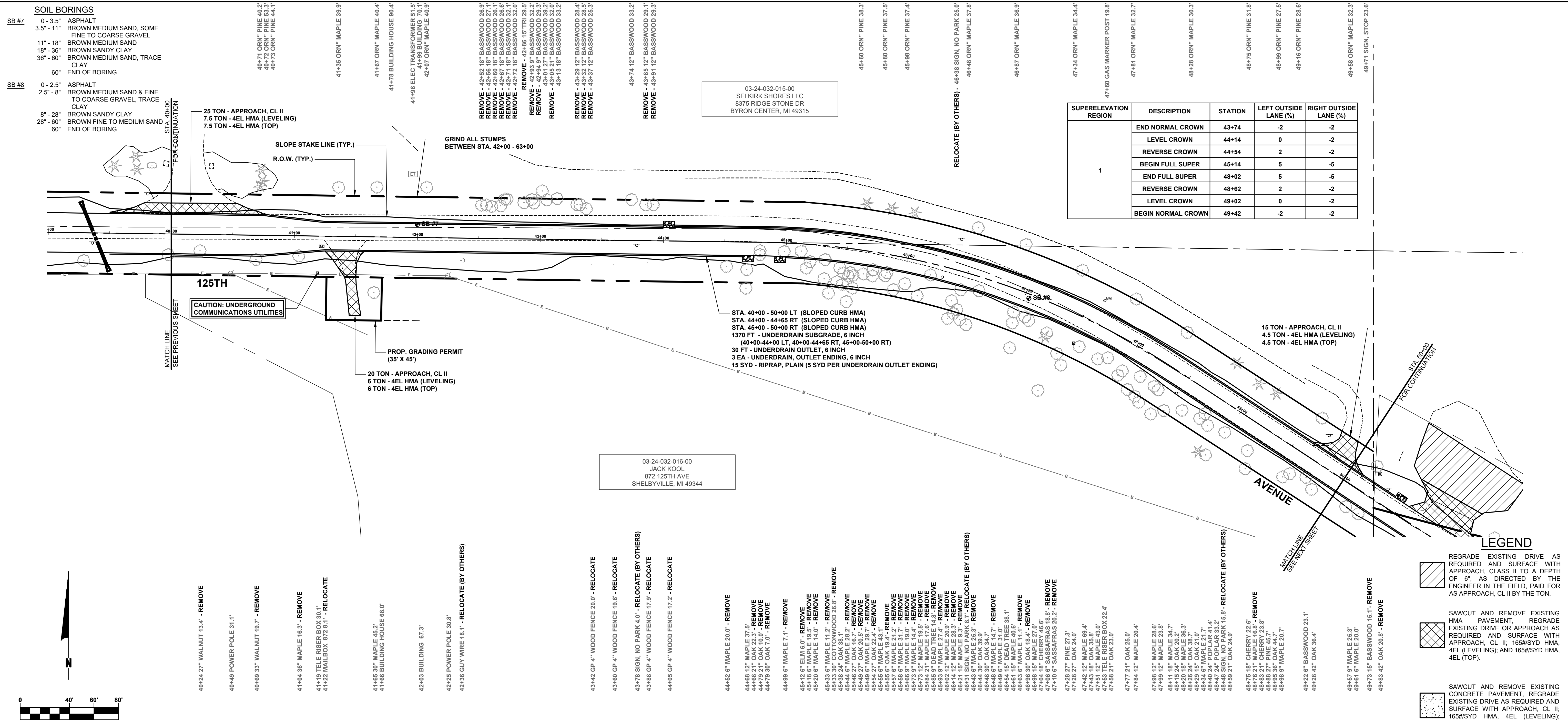
REVISIONS

No.	Description
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**125TH AVENUE RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET

PLAN & PROFILE - STA. 30+00 TO STA. 40+00

DRAWN BY: ACW  
REVIEWED BY:  
DATE: OCTOBER 2023  
SCALE: 1"=40'H, 5'V



**SOIL BORINGS**

SB #7	0 - 3.5'	ASPHALT
	3.5' - 11'	BROWN MEDIUM SAND, SOME FINE TO COARSE GRAVEL
	11' - 18'	BROWN MEDIUM SAND
	18' - 36'	BROWN SANDY CLAY
	36' - 60'	BROWN MEDIUM SAND, TRACE CLAY
	60'	END OF BORING
SB #8	0 - 2.5'	ASPHALT
	2.5' - 8'	BROWN MEDIUM SAND & FINE TO COARSE GRAVEL, TRACE CLAY
	8' - 28'	BROWN SANDY CLAY
	28' - 60'	BROWN FINE TO MEDIUM SAND
	60'	END OF BORING

SUPERELEVATION REGION	DESCRIPTION	STATION	LEFT OUTSIDE LANE (%)	RIGHT OUTSIDE LANE (%)
1	END NORMAL CROWN	43+74	-2	-2
	LEVEL CROWN	44+14	0	-2
	REVERSE CROWN	44+54	2	-2
	BEGIN FULL SUPER	45+14	5	-5
	END FULL SUPER	48+02	5	-5
	REVERSE CROWN	48+62	2	-2
	LEVEL CROWN	49+02	0	-2
	BEGIN NORMAL CROWN	49+42	-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, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (TOP).
- SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT, REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (TOP).

03-24-032-015-00  
SELKIRK SHORES LLC  
8375 RIDGE STONE DR  
BYRON CENTER, MI 49315

03-24-032-016-00  
JACK KOOL  
872 125TH AVE  
SHELBYVILLE, MI 49344

**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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**125TH AVENUE RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET  
PLAN & PROFILE - STA. 40+00 TO STA. 50+00

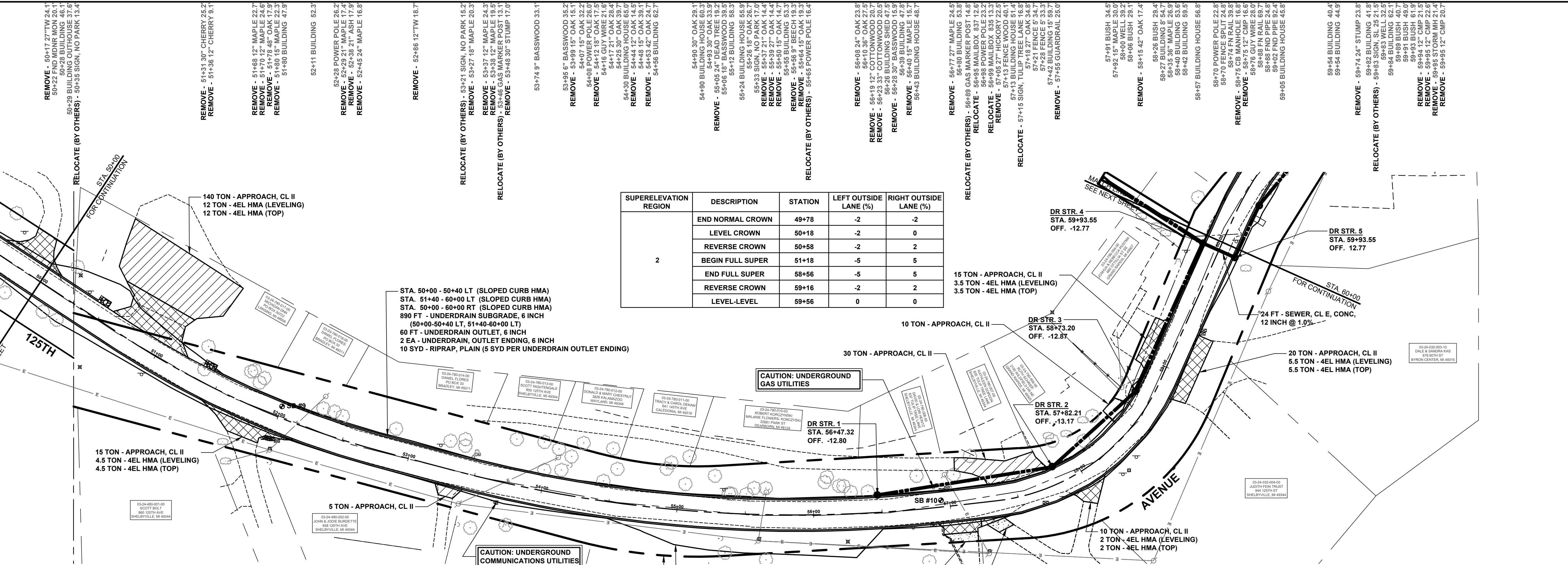
DRAWN BY: ACW  
REVIEWED BY:  
DATE: OCTOBER 2023  
SCALE: 1"=40', 5V

LH 400080 6

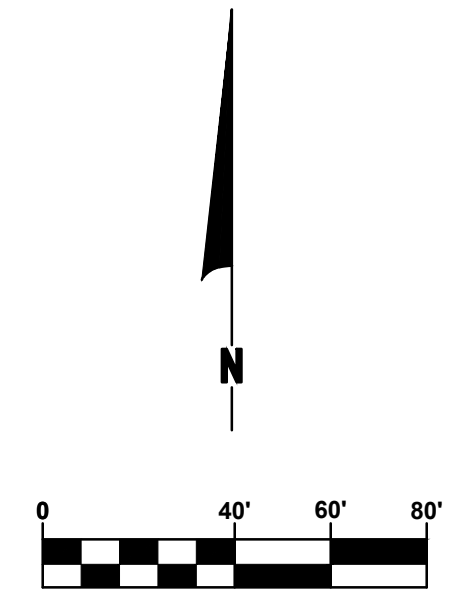
SB #9	DEPTH	SOIL BORINGS
0 - 2'	ASPHALT	
2' - 5'	BROWN MEDIUM SAND, SOME FINE TO COARSE GRAVEL	
5' - 30'	BROWN MEDIUM SAND, SOME FINE TO COARSE SAND, TRACE CLAY	
30' - 60'	LIGHT BROWN FINE SAND	
60'	END OF BORING	

SB #10	DEPTH	SOIL BORINGS
0 - 4.5'	ASPHALT	
4.5' - 12'	BROWN MEDIUM SAND, SOME FINE TO COARSE GRAVEL	
12' - 60'	BROWN MEDIUM SAND	
60'	END OF BORING	

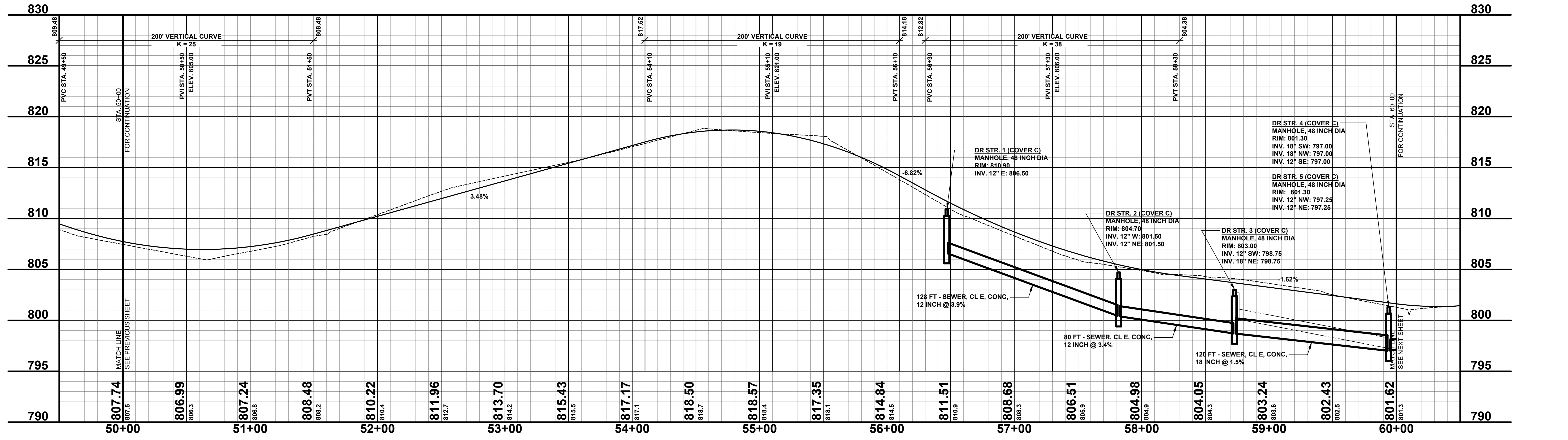


SUPERELEVATION REGION	DESCRIPTION	STATION	LEFT OUTSIDE LANE (%)	RIGHT OUTSIDE LANE (%)
2	END NORMAL CROWN	49+78	-2	-2
	LEVEL CROWN	50+18	-2	0
	REVERSE CROWN	50+58	-2	2
	BEGIN FULL SUPER	51+18	-5	5
	END FULL SUPER	58+56	-5	5
	REVERSE CROWN	59+16	-2	2
	LEVEL-LEVEL	59+56	0	0



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, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (TOP).
- SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT, REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CL II; 165#/SYD HMA, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (TOP).



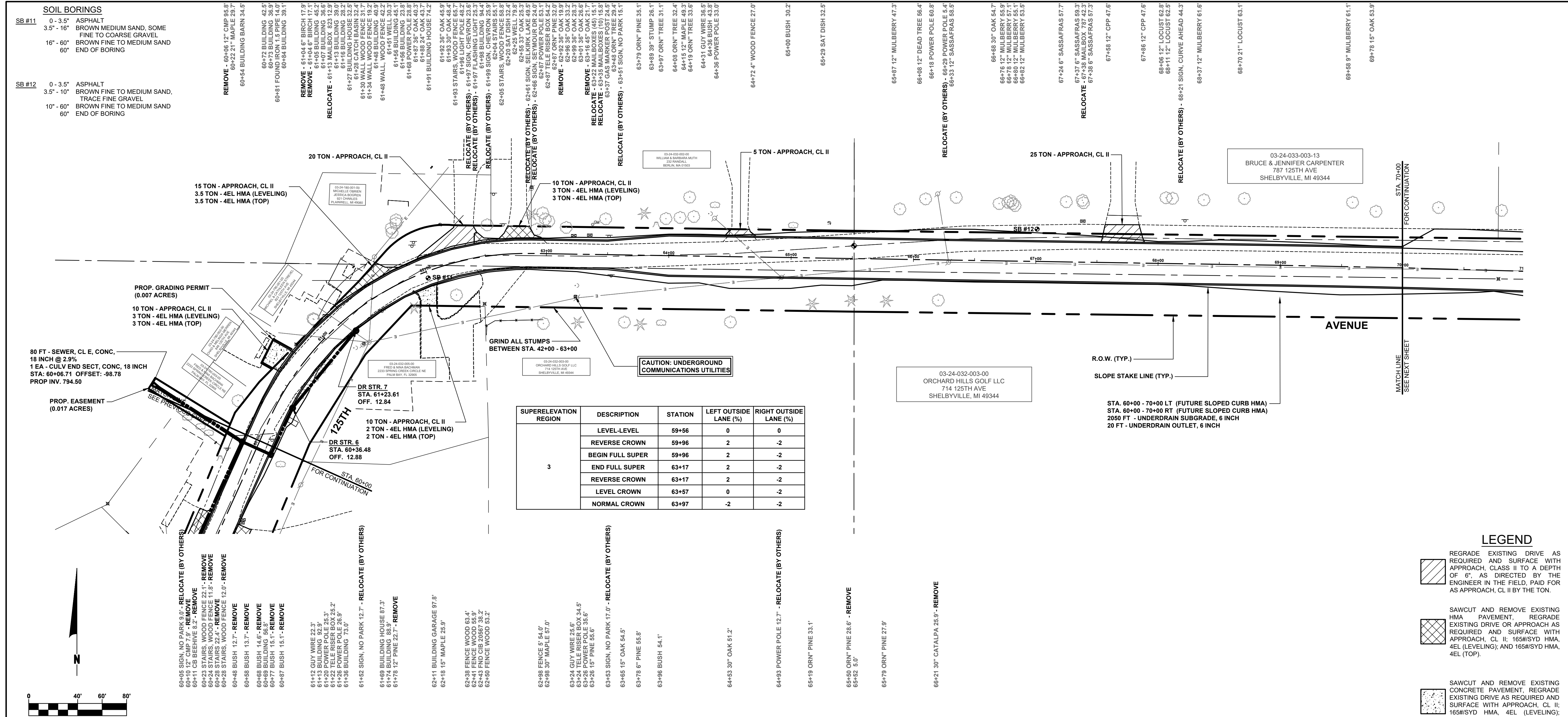
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**125TH AVENUE RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET  
PLAN & PROFILE - STA. 50+00 TO STA. 60+00

DRAWN BY: ACW  
REVIEWED BY:  
DATE: OCTOBER 2023  
SCALE: 1"=40'H, 5'V

LH 400080 7



SUPERELEVATION REGION	DESCRIPTION	STATION	LEFT OUTSIDE LANE (%)	RIGHT OUTSIDE LANE (%)
3	LEVEL-LEVEL	59+56	0	0
	REVERSE CROWN	59+96	2	-2
	BEGIN FULL SUPER	59+96	2	-2
	END FULL SUPER	63+17	2	-2
	REVERSE CROWN	63+17	2	-2
	LEVEL CROWN	63+57	0	-2
	NORMAL CROWN	63+97	-2	-2



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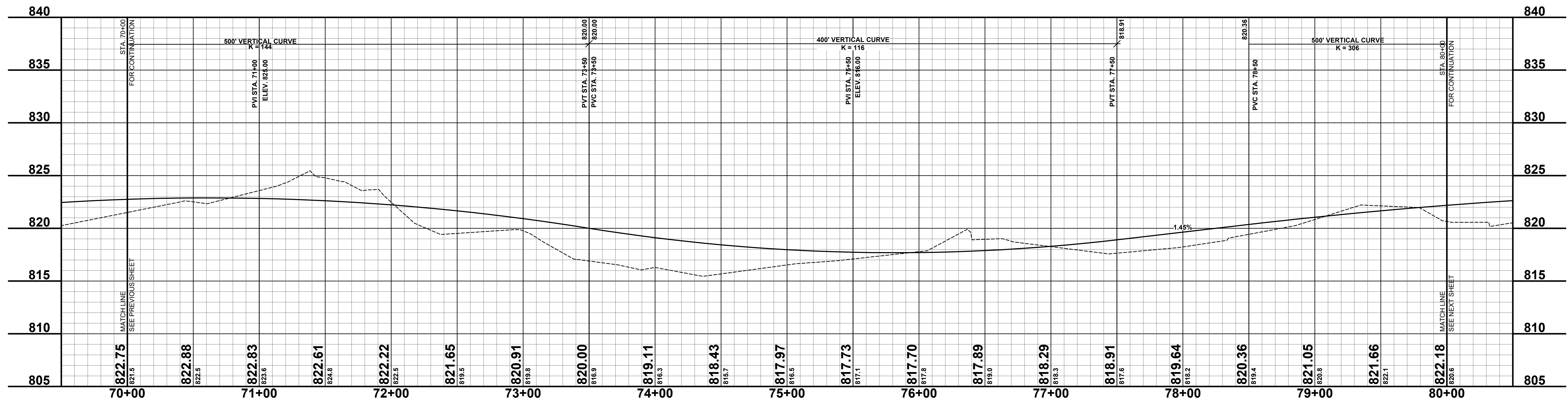
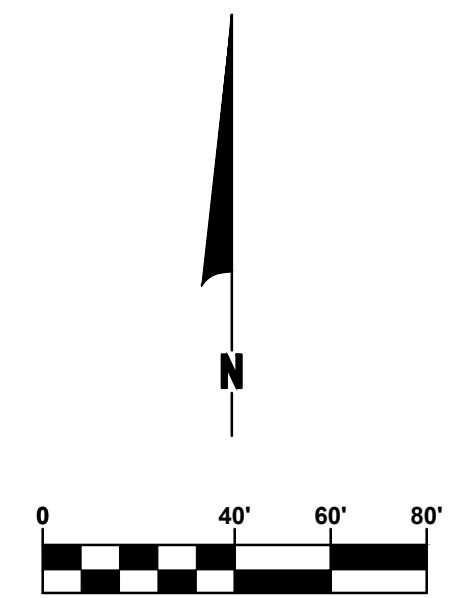
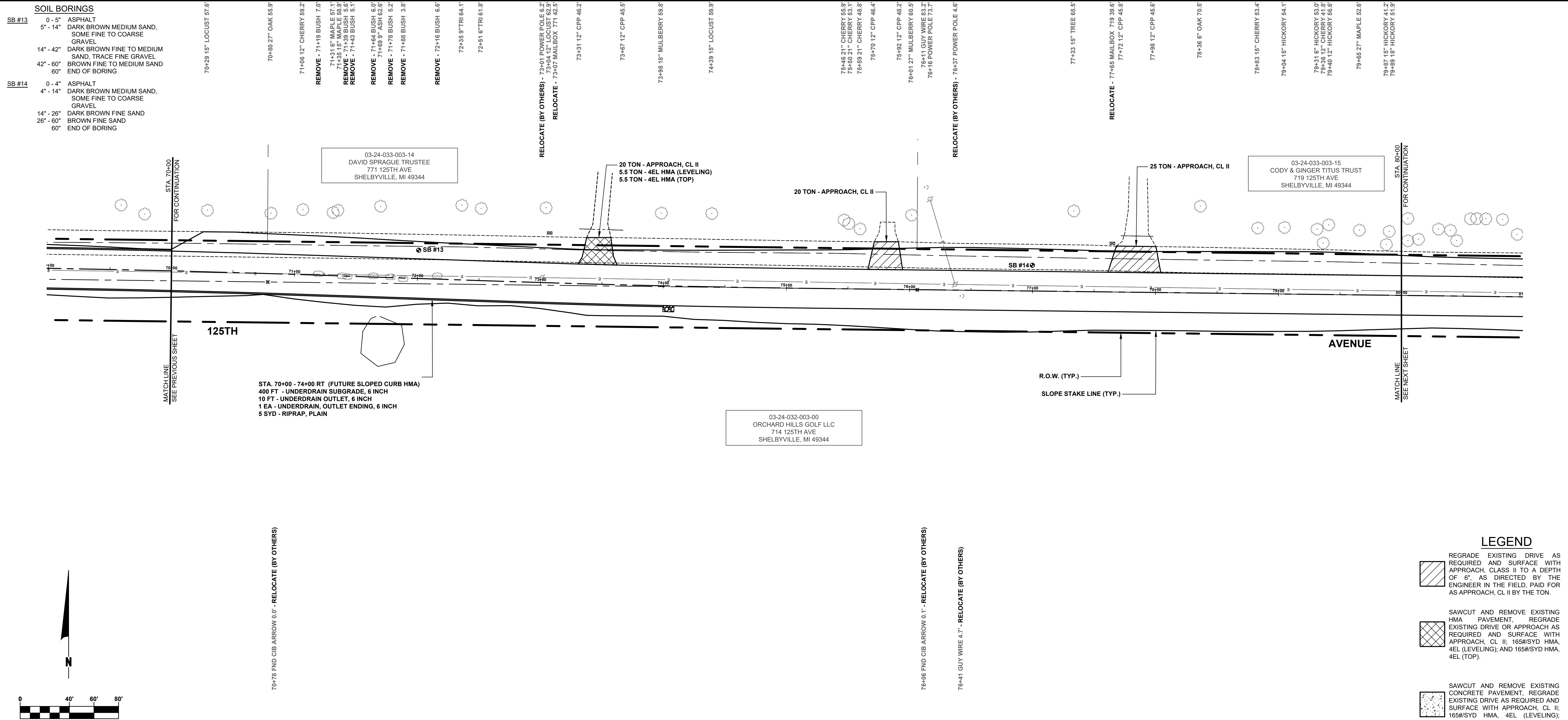
**125TH AVENUE RECONSTRUCTION PROJECT**

WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET

PLAN & PROFILE - STA. 60+00 TO STA. 70+00

DRAWN BY: ACW  
 REVIEWED BY:  
 DATE: OCTOBER 2023  
 SCALE: 1"=40', 5V





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**125TH AVENUE RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET

PLAN & PROFILE - STA. 70+00 TO STA. 80+00

DRAWN BY: ACW  
REVIEWED BY:  
DATE: OCTOBER 2023  
SCALE: 1"= 40'H, 5V

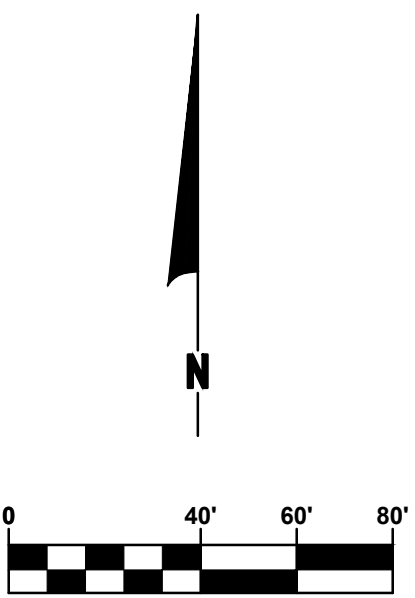
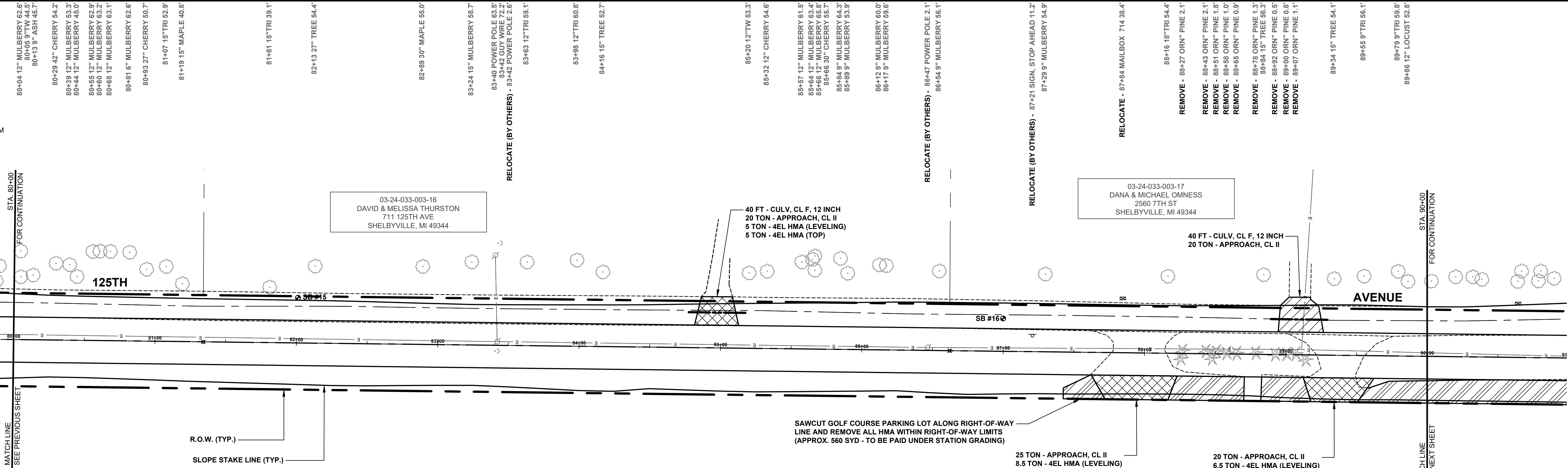
LH 400080 9

**SOIL BORINGS**

SB #15	0' - 3"	ASPHALT
	3' - 6"	BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
	6' - 26"	DARK BROWN FINE SAND
	26' - 42"	BROWN FINE SAND
	42' - 60"	BROWN SILTY FINE SAND
	60'	END OF BORING

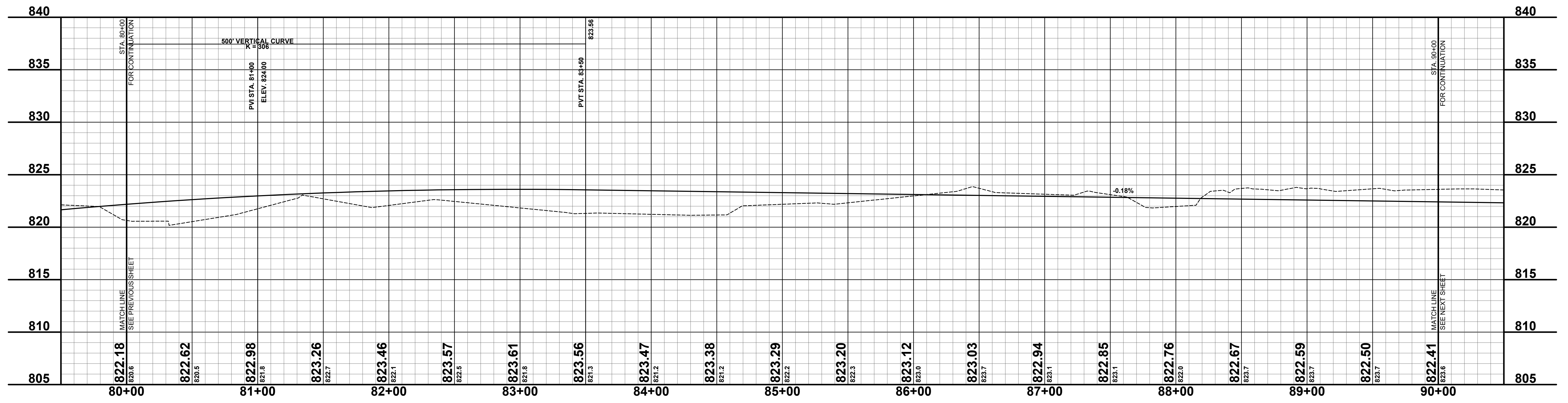
  

SB #16	0' - 3"	ASPHALT
	3' - 10"	DARK BROWN MEDIUM SAND, SOME FINE TO COARSE GRAVEL
	10' - 24"	DARK BROWN FINE TO MEDIUM SAND
	24' - 60"	BROWN SILTY FINE SAND
	60'	END OF BORING



**LEGEND**

- SAWCUT AND REMOVE EXISTING HMA PAVEMENT
- 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.
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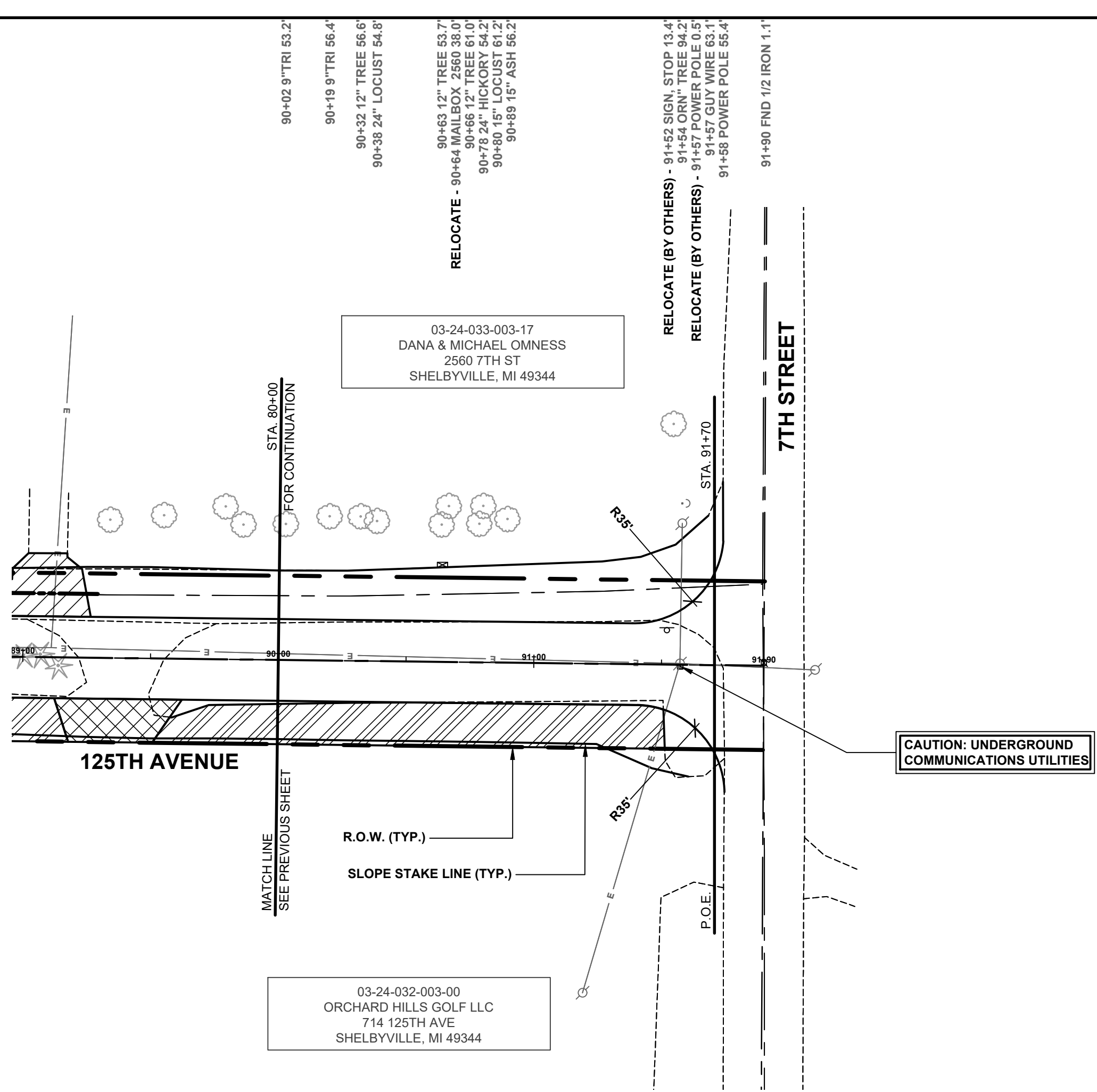
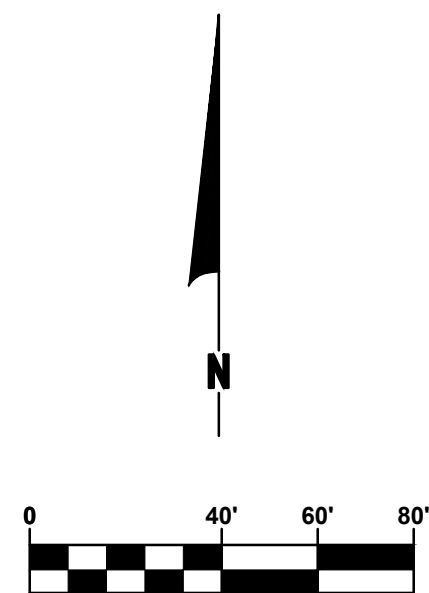


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**125TH AVENUE RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET  
PLAN & PROFILE - STA. 80+00 TO STA. 90+00

DRAWN BY: ACW  
REVIEWED BY:  
DATE: OCTOBER 2023  
SCALE: 1"= 40', 5V



03-24-032-003-00  
ORCHARD HILLS GOLF LLC  
714 125TH AVE  
SHELBYVILLE, MI 49344

03-24-033-003-17  
DANA & MICHAEL OMNESS  
2560 7TH ST  
SHELBYVILLE, MI 49344

90+02 9" TRI 63.2'  
90+19 9" TRI 66.4'  
90+32 12" TREE 66.6'  
90+38 24" LOCUST 64.6'  
RELOCATE - 90+63 12" TREE 63.7'  
90+64 12" TREE 63.7'  
90+65 12" TREE 63.7'  
90+78 24" HICKORY 64.2'  
90+80 15" LOCUST 61.2'  
90+89 15" ASH 66.2'

RELOCATE (BY OTHERS) - 91+45 6" SIGN STCP 19.4'  
RELOCATE (BY OTHERS) - 91+54 6" ORN" TREE 64.2'  
RELOCATE (BY OTHERS) - 91+57 6" GUY WIRE 63.1'  
91+58 6" POWER POLE 63.4'  
91+90 6" FND 1/2 IRON 1.1'

91+57 TELE RISER BOX 0.7' - RELOCATE (BY OTHERS)

**LEGEND**

- SAWCUT AND REMOVE EXISTING HMA PAVEMENT
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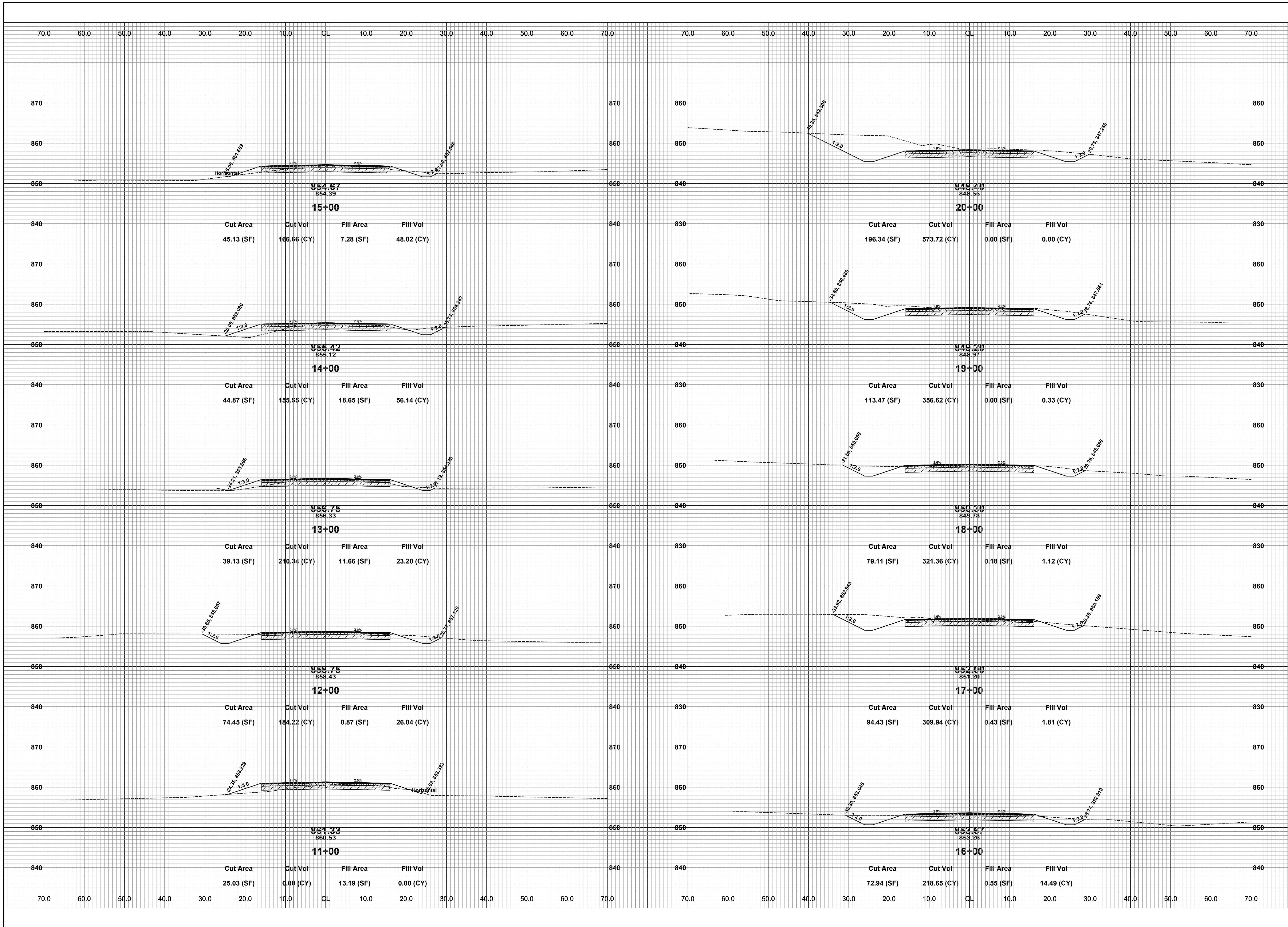
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**125TH AVENUE RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET

PLAN & PROFILE - STA. 90+00 TO STA. P.O.E.

DRAWN BY: ACW  
REVIEWED BY:  
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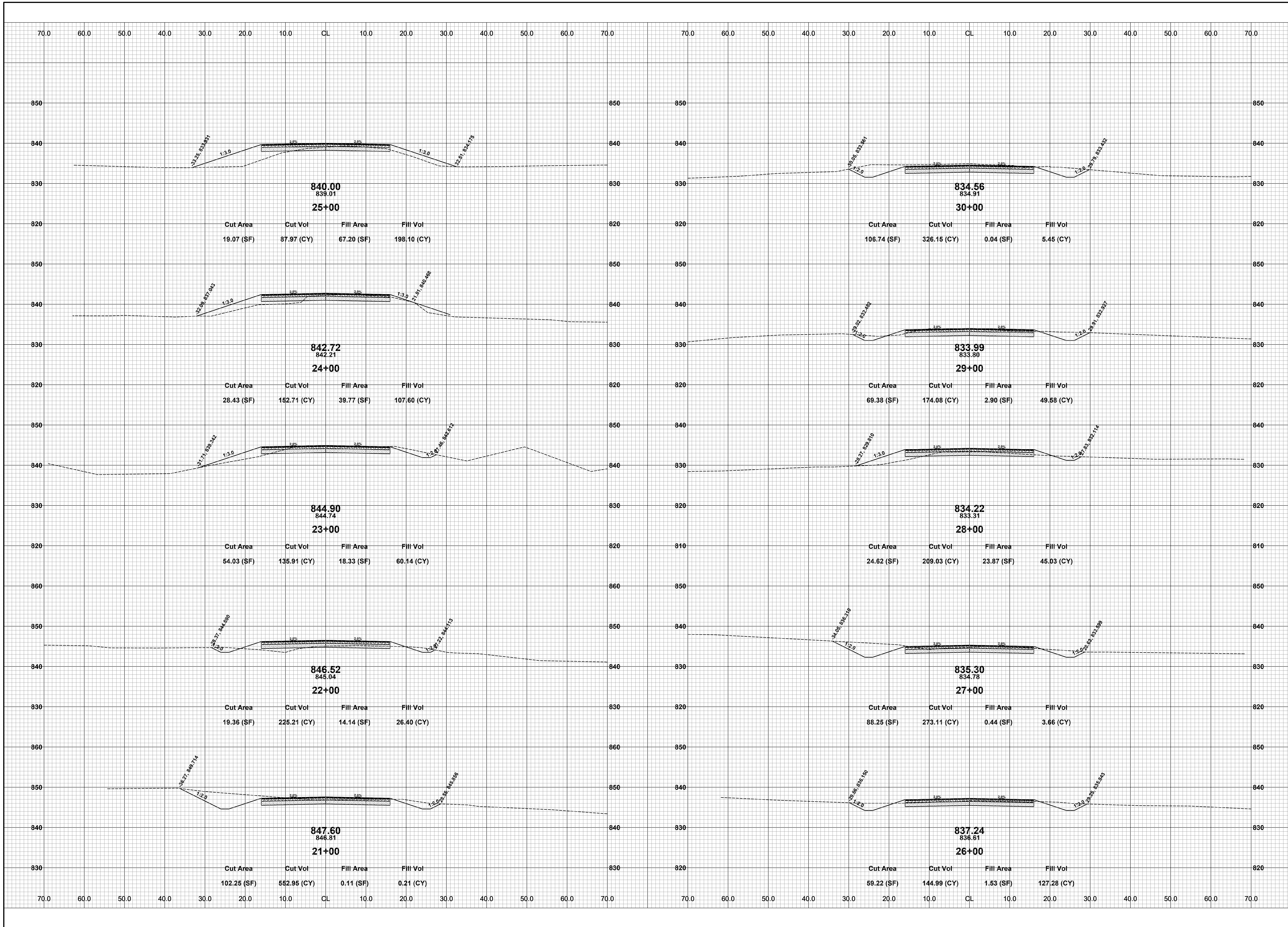


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**125TH AVENUE RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET  
CROSS SECTIONS - STA. 11+00 TO STA. 20+00

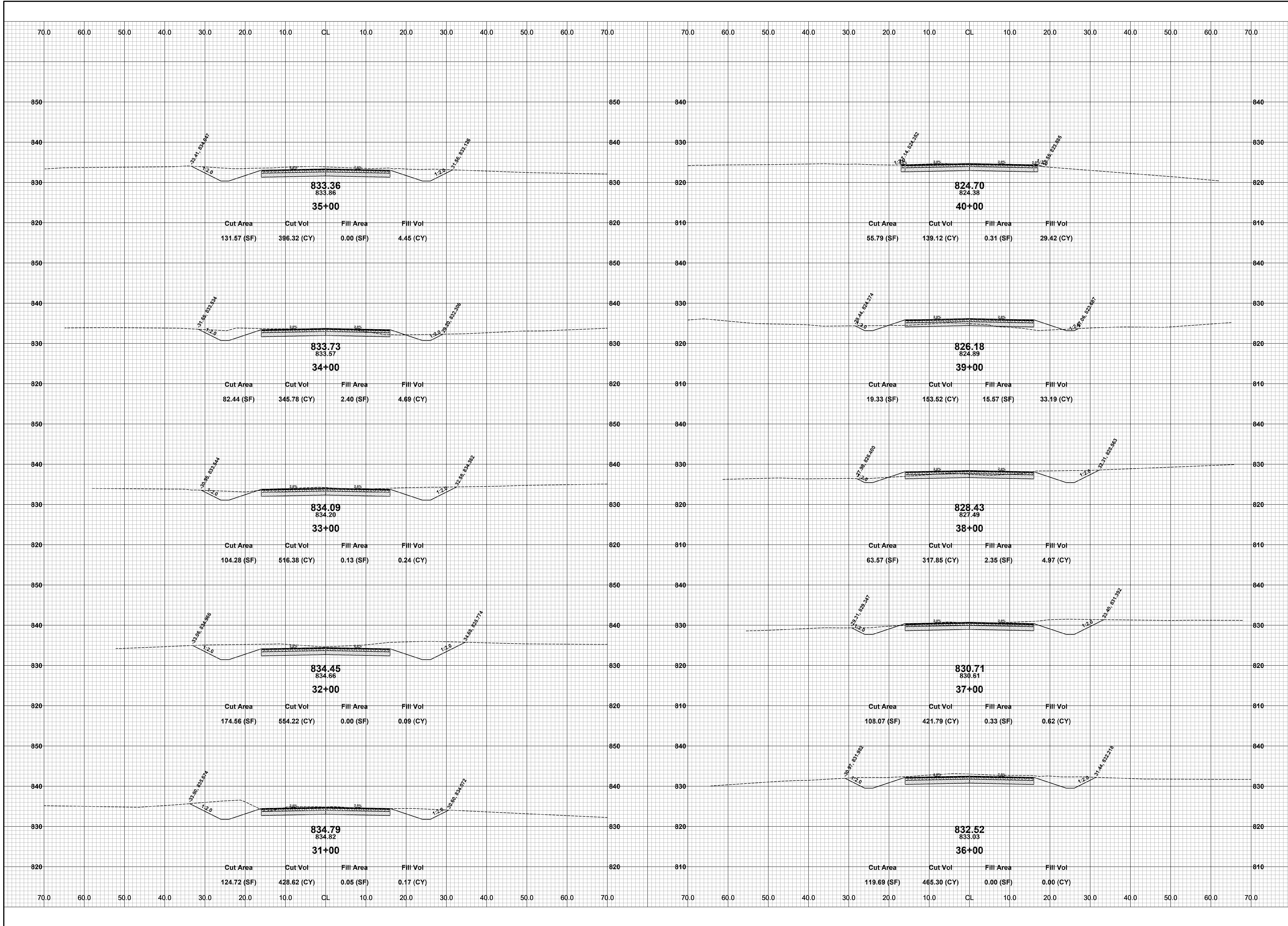
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SCALE: 1" = 10'



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**125TH AVENUE RECONSTRUCTION PROJECT**  
 WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET  
 CROSS SECTIONS - STA. 21+00 TO STA. 30+00

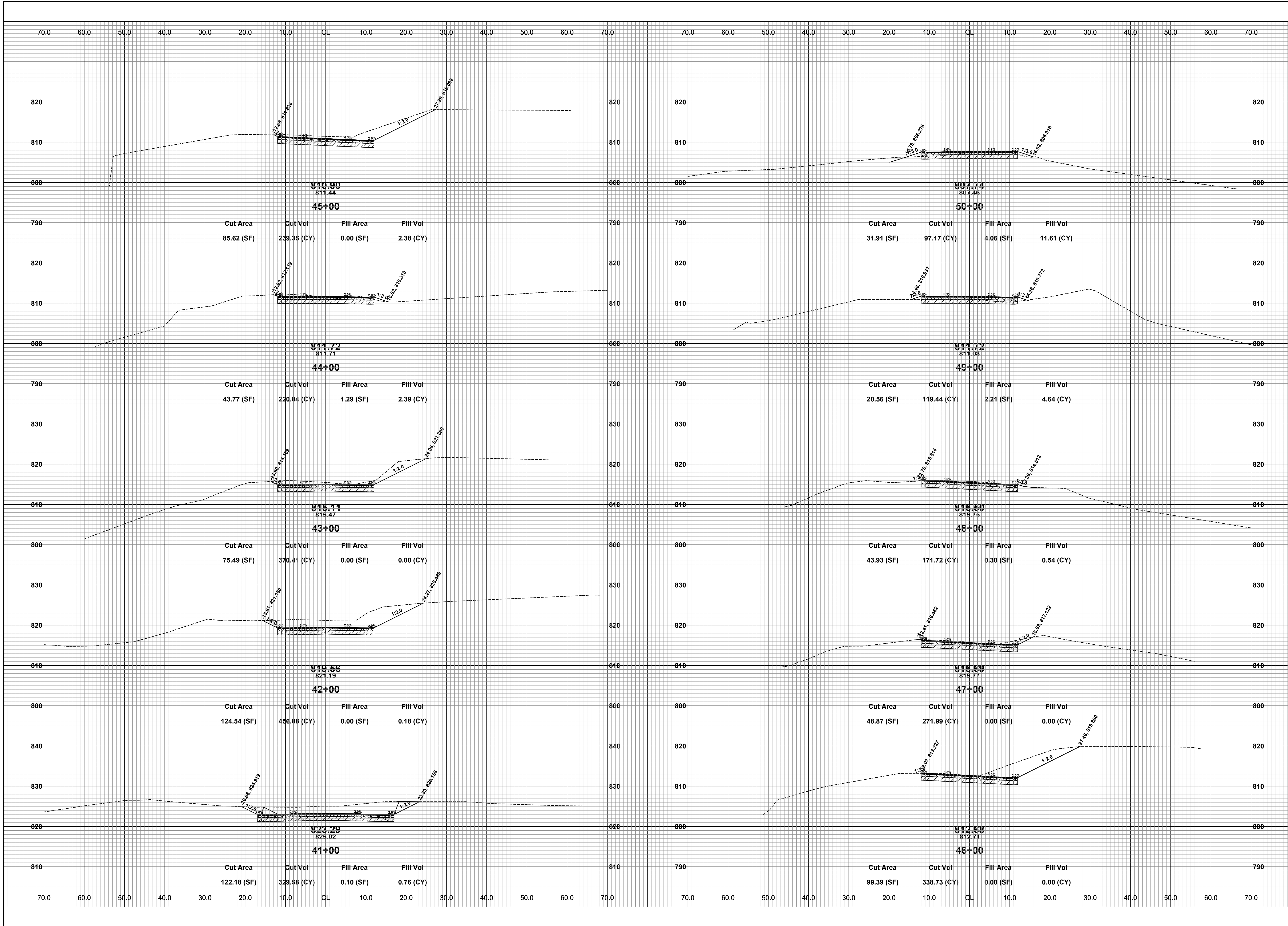
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**125TH AVENUE RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET  
CROSS SECTIONS - STA. 31+00 TO STA. 40+00

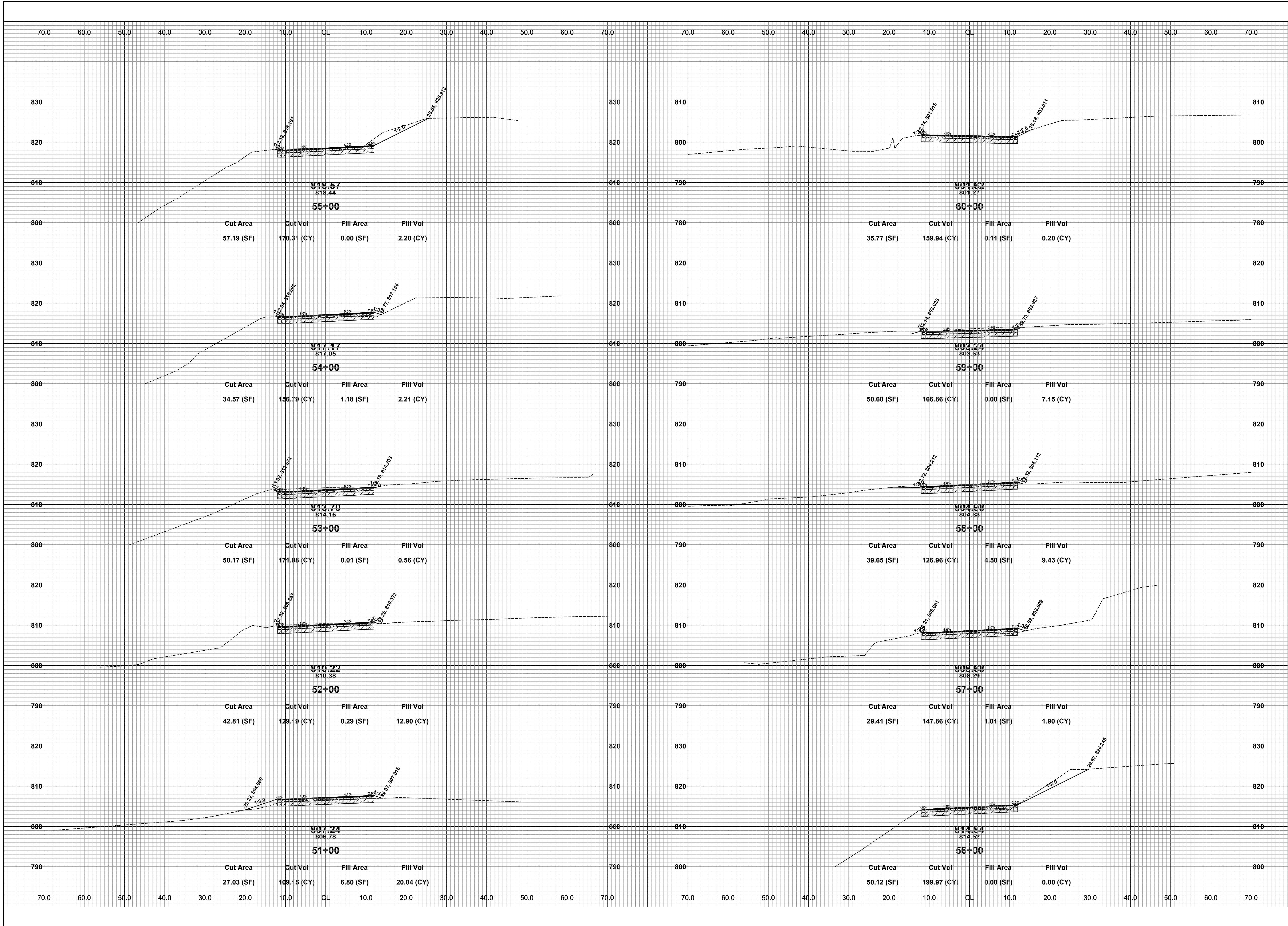
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**125TH AVENUE RECONSTRUCTION PROJECT**  
 WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET  
 CROSS SECTIONS - STA. 41+00 TO STA. 50+00

DRAWN BY: ACW  
 REVIEWED BY:  
 DATE: OCTOBER 2023  
 SCALE: 1" = 10'

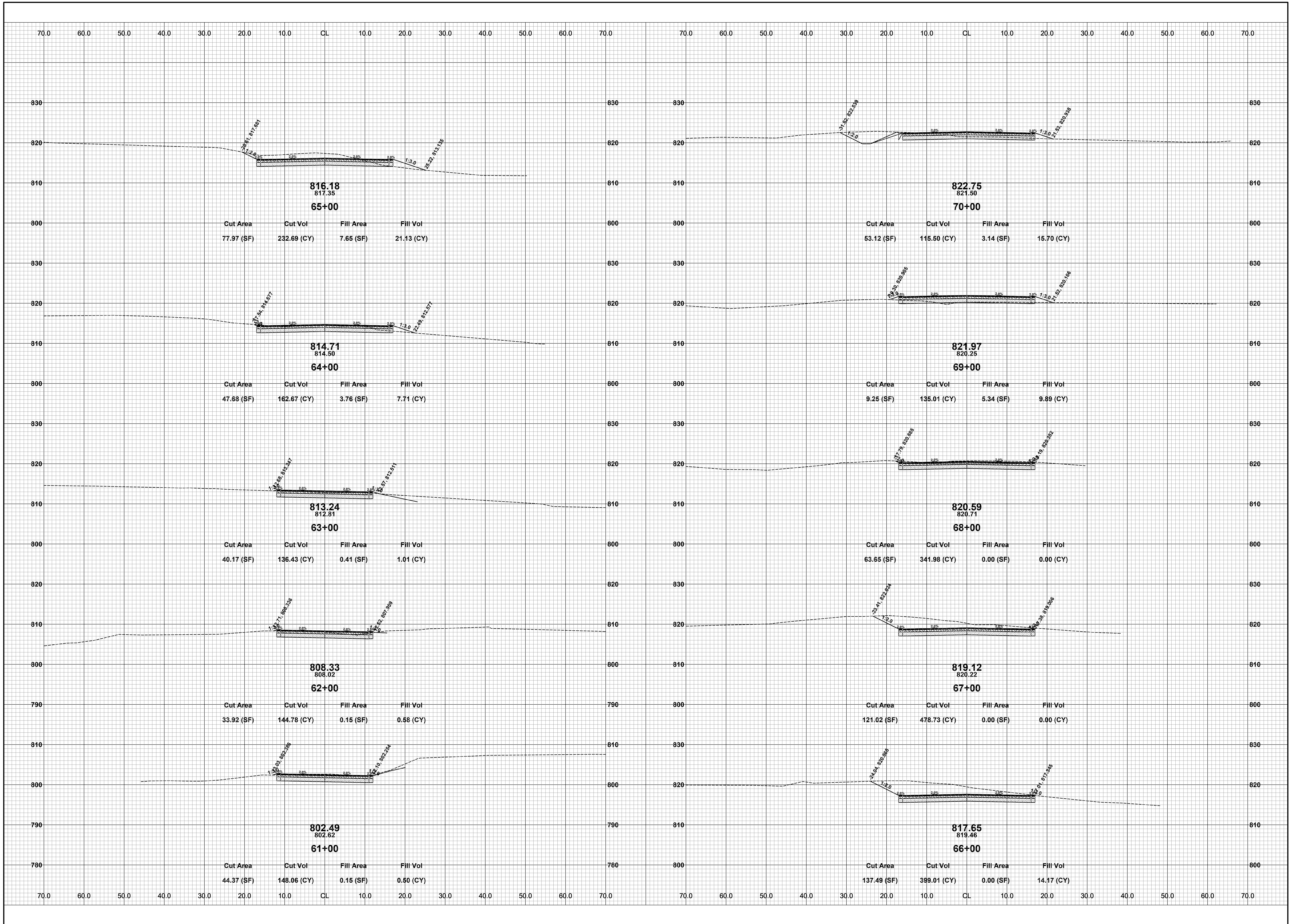


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**125TH AVENUE RECONSTRUCTION PROJECT**  
 WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET  
 CROSS SECTIONS - STA. 51+00 TO STA. 60+00

DRAWN BY: ACW  
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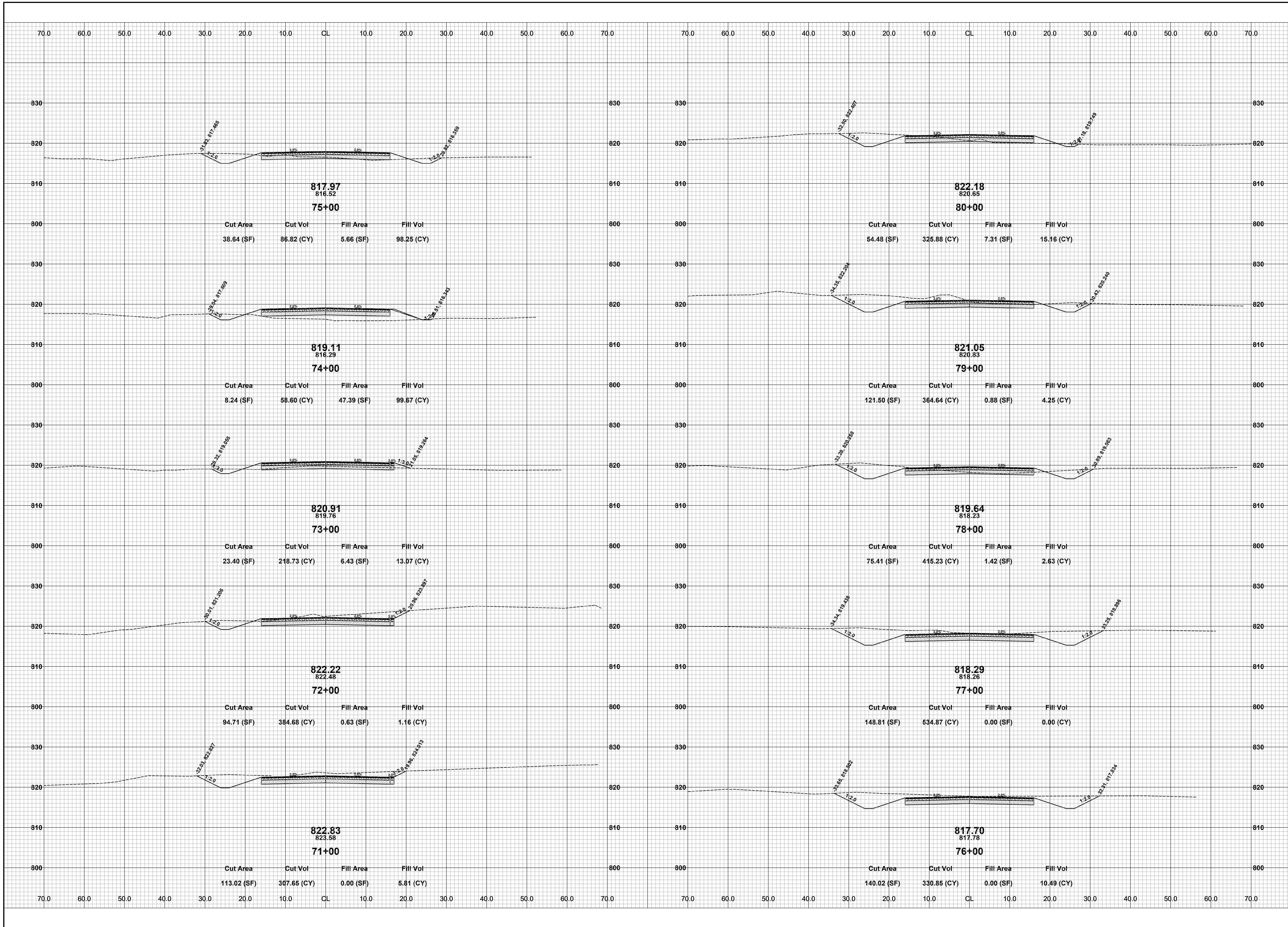




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**125TH AVENUE RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET  
CROSS SECTIONS - STA. 61+00 TO STA. 70+00

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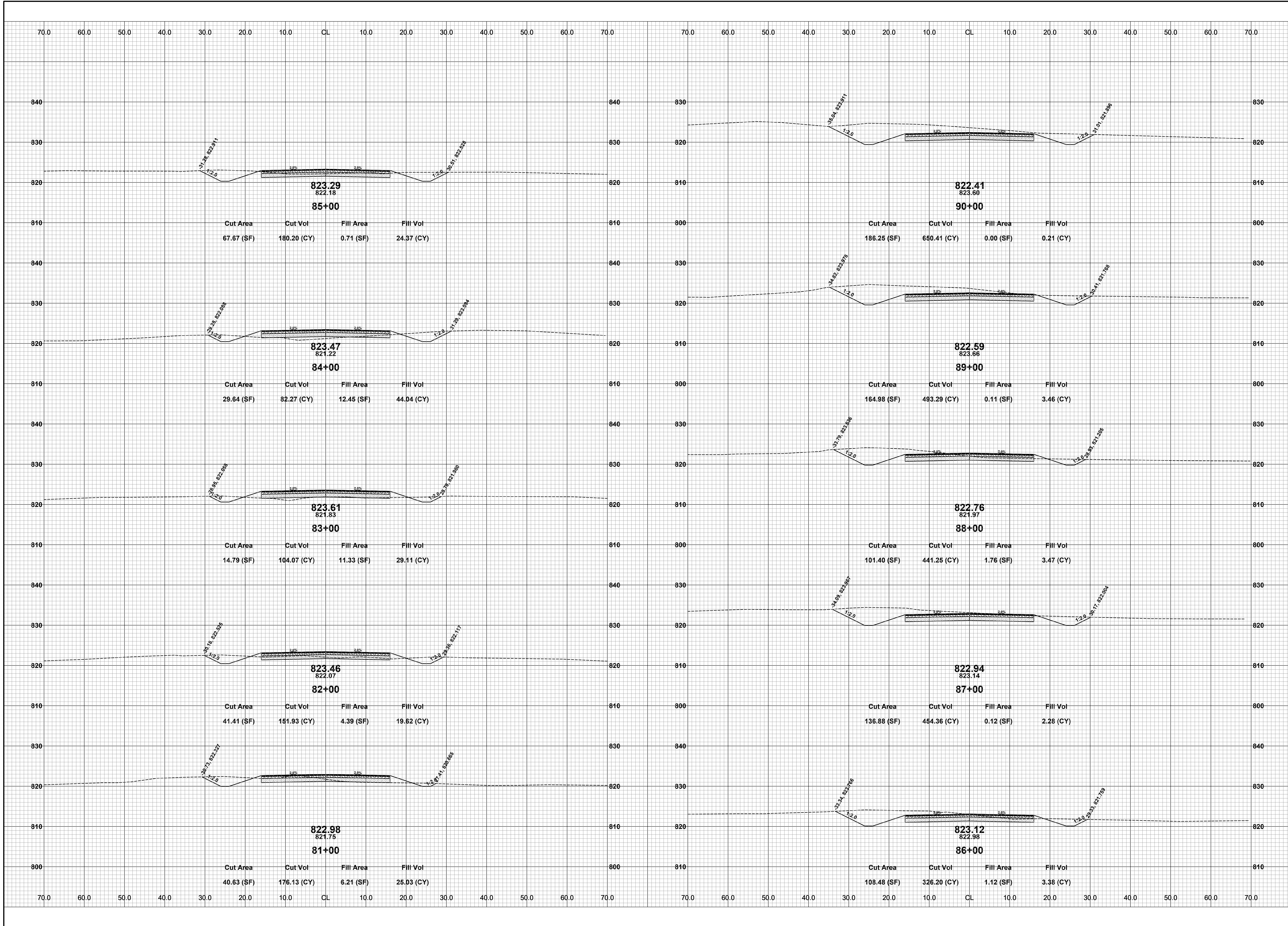


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**125TH AVENUE RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET  
CROSS SECTIONS - STA. 71+00 TO STA. 80+00

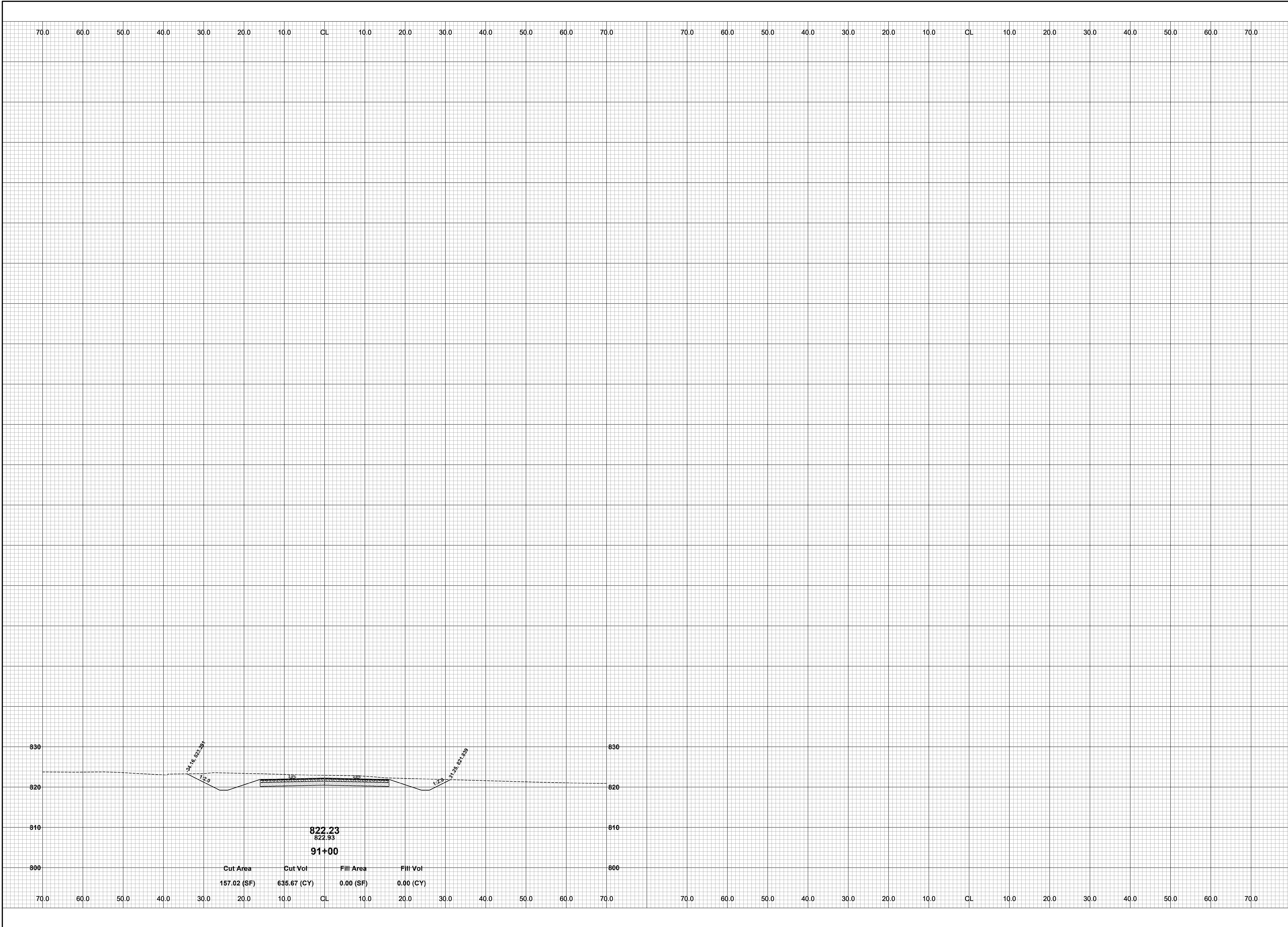
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**125TH AVENUE RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET  
CROSS SECTIONS - STA. 81+00 TO STA. 90+00

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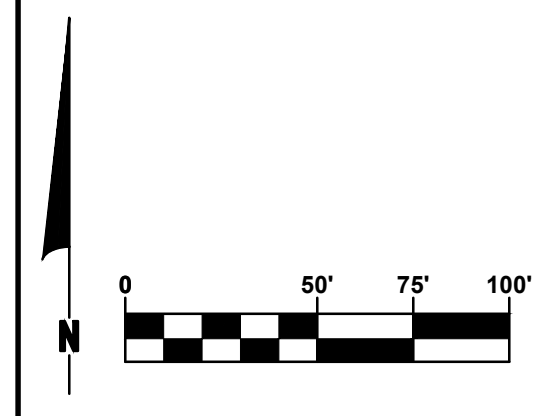
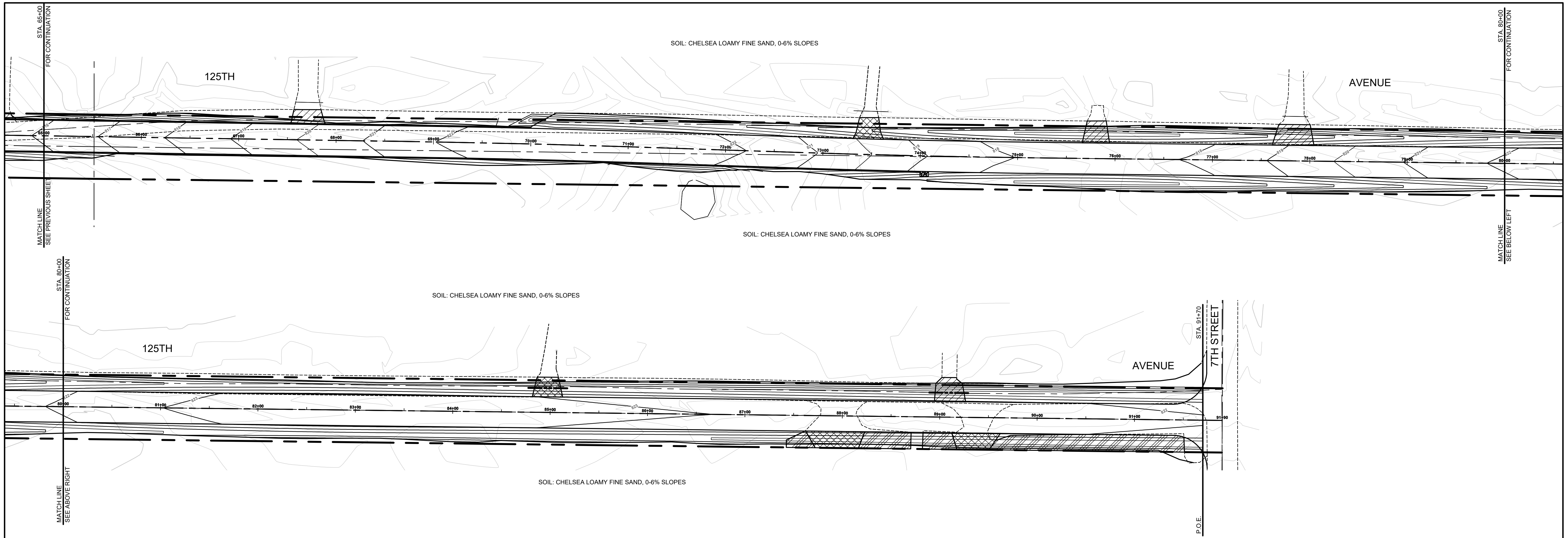
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**125TH AVENUE RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET  
CROSS SECTIONS - STA. 91+00

DRAWN BY: ACW  
REVIEWED BY:  
DATE: OCTOBER 2023  
SCALE: 1"= 10'





TIMING & SEQUENCE	MONTH 1			MONTH 2				MONTH 3					
	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11	WEEK 12	WEEK 13
ANTICIPATED START DATE: APRIL 1, 2024													
INSTALL/MAINTAIN TEMPORARY CONTROL MEASURES	■	■	■	■	■	■	■	■	■	■	■	■	■
SITE CLEARING	■												
CULVERT INSTALLATIONS													
ROADWAY/SLOPE RECONSTRUCTION													
SLOPE RESTORATION/INSTALL PERMANENT CONTROL MEASURES													
REMOVE TEMPORARY MEASURES													

**SOIL EROSION & SEDIMENTATION CONTROL NOTES**

- ALL CONSTRUCTION METHODS WILL BE DONE IN COMPLIANCE WITH THE MICHIGAN SOIL EROSION AND SEDIMENTATION CONTROL ACT. THE COUNTY ROAD COMMISSION WILL OBTAIN A NOTICE OF COVERAGE FROM EGLE PRIOR TO START OF CONSTRUCTION IF THE DISTURBANCE AREA OF THE PROJECT IS GREATER THAN FIVE ACRES. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLYING WITH ALL REQUIREMENTS OF THE MICHIGAN DEPARTMENT OF TRANSPORTATION'S SESC MANUAL. 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 SODDINGS 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.
  - SLOPE STAKE LINES AS CALLED OUT IN THE PLAN SHEETS DEFINE THE EARTH CHANGE LIMITS FOR THIS PROJECT.
  - ALLEGAN COUNTY ROAD COMMISSION ASSUMES RESPONSIBILITY FOR MAINTENANCE OF PERMANENT SOIL EROSION & SEDIMENTATION CONTROL MEASURES ONE YEAR AFTER FINAL PROJECT ACCEPTANCE AS DEFINED UNDER THE SOIL EROSION AND SEDIMENTATION CONTROL OPERATING PROCEDURES FOR THE ALLEGAN COUNTY ROAD COMMISSION.
  - TIMING & SEQUENCE: ALL SOIL EROSION & SEDIMENTATION CONTROL MEASURES MUST BE INSTALLED IN PROXIMITY TO WORK AREAS PRIOR TO WORK COMMENCING. UPON FINAL GRADING, PERMANENT EROSION AND SEDIMENTATION CONTROL MUST BE COMPLETED WITHIN TWENTY-FOUR HOURS WITHIN 150 FEET OF BODIES OF WATER, AND WITHIN FIVE DAYS ELSEWHERE.
- 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, CR 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, \_ 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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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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**125TH AVENUE RECONSTRUCTION PROJECT**  
WAYLAND TOWNSHIP - 10TH STREET TO 7TH STREET

SESC PLAN - STA. 65+00 TO P.O.E.

DRAWN BY: ACW  
REVIEWED BY:  
DATE: NOVEMBER 2023  
SCALE: 1"= 40'H, 5V