

ALLEGAN COUNTY ROAD COMMISSION

125TH AVENUE RECONSTRUCTION PROJECT

41ST STREET TO 38TH STREET

HEATH TOWNSHIP

UTILITY CONTACTS

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

GREAT LAKES ENERGY
 231-675-3149
 KEVIN SCHEID
 kscheid@glenergy.com

TELEPHONE
 FRONTIER COMMUNICATIONS
 269-370-4046
 LANCE WEBLEY
 lance.webley@fr.com

EVERSTREAM
 517-742-4020
 ANASTASIA MILLISOR
 amillisor@everstream.net

MISS DIG 811

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

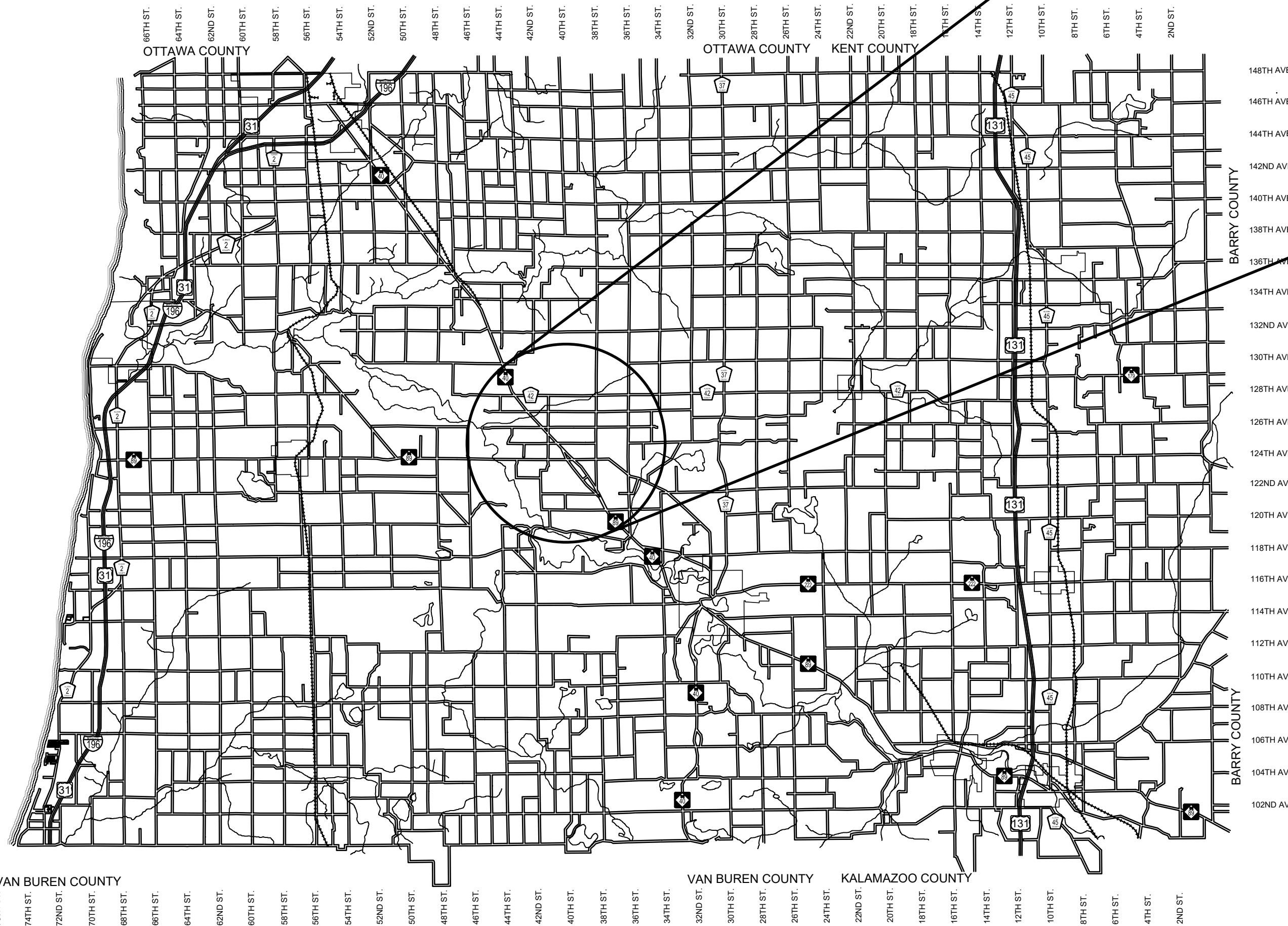
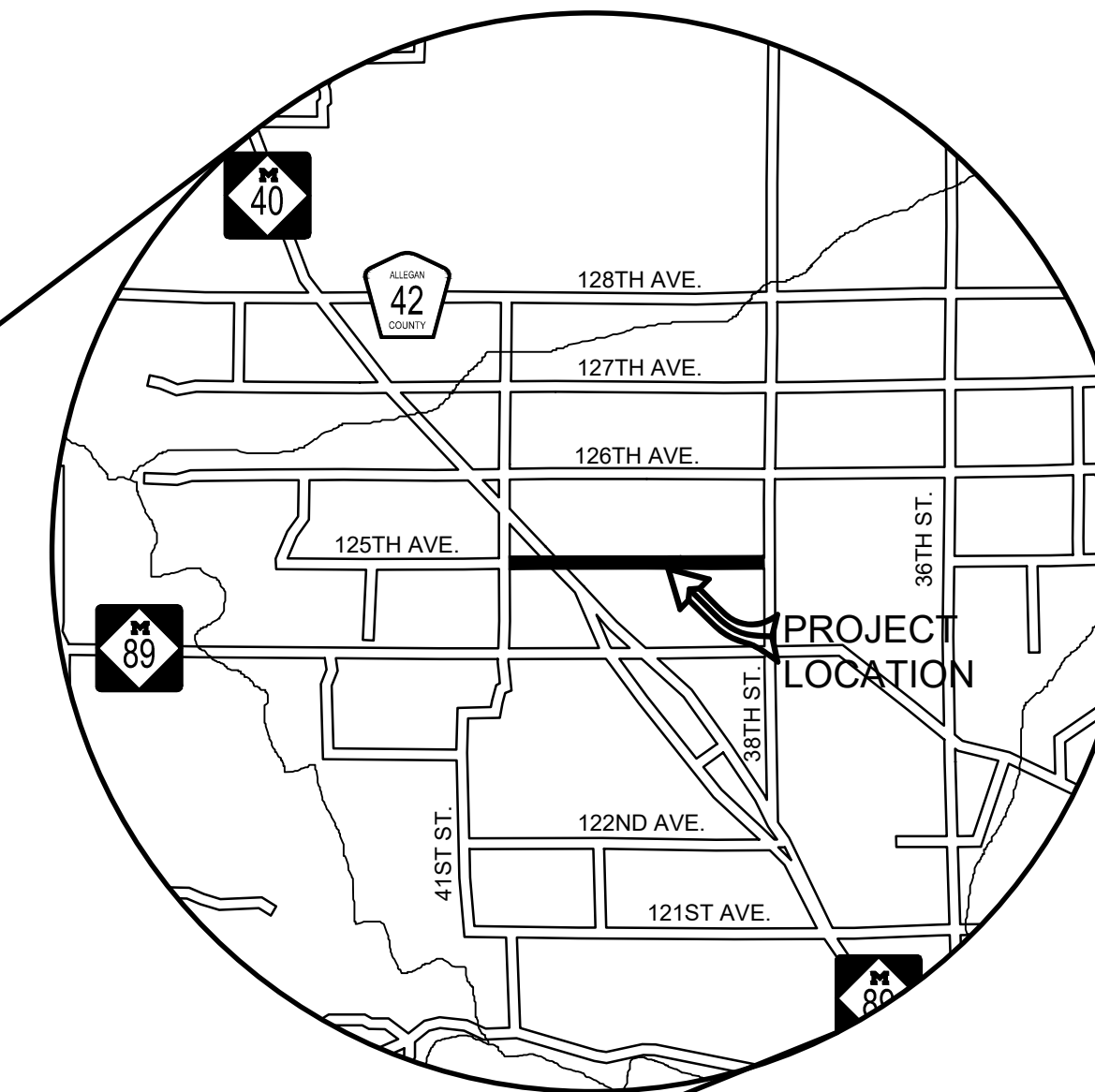
1308 LINCOLN ROAD
 ALLEGAN, MICHIGAN 49010-9762
 www.alleganroads.org FAX (269) 673-5922
 TELEPHONE (269) 673-2184

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.



ALLEGAN COUNTY, MICHIGAN
 NOT TO SCALE

INDEX OF PLANS

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CONTRACT FOR ROAD IMPROVEMENTS

1.49 MILES OF ROADWAY RECONSTRUCTION INCLUDING CLEARING, GRADE ESTABLISHMENT, SAND SUBBASE, AGGREGATE BASE, CULVERT REPLACEMENTS, AND RESTORATION ON 125TH AVENUE FROM 41ST STREET TO 38TH STREET IN HEATH TOWNSHIP, ALLEGAN COUNTY.

PREPARED UNDER THE SUPERVISION OF:



ADDISON C. WOLF
 REGISTERED PROFESSIONAL ENGINEER No. 6201310174

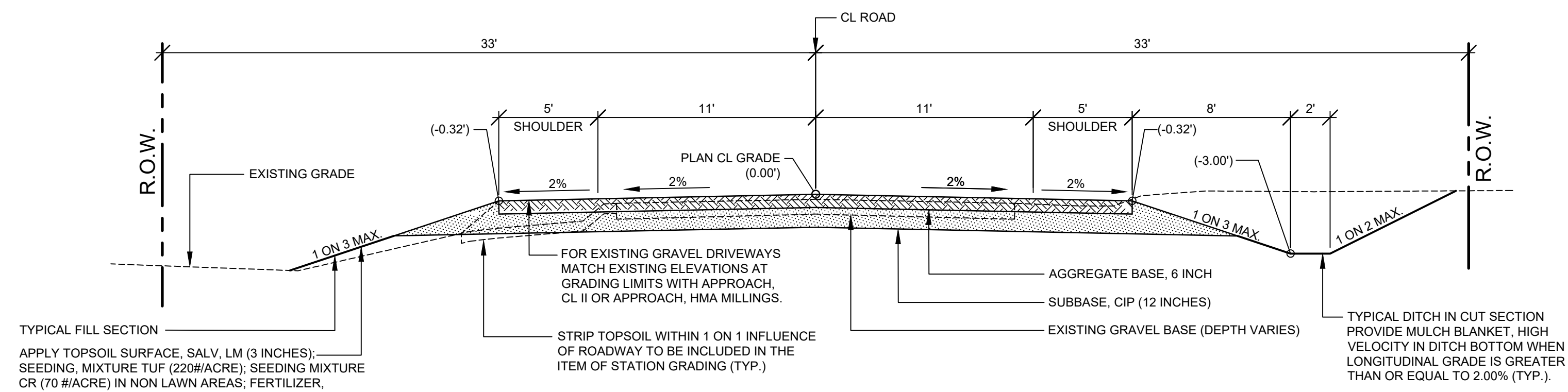
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125TH AVENUE RECONSTRUCTION PROJECT
 HEATH TOWNSHIP

COVER SHEET

DRAWN BY: ACW
 REVIEWED BY: RK
 DATE: JULY 2023
 SCALE: NONE

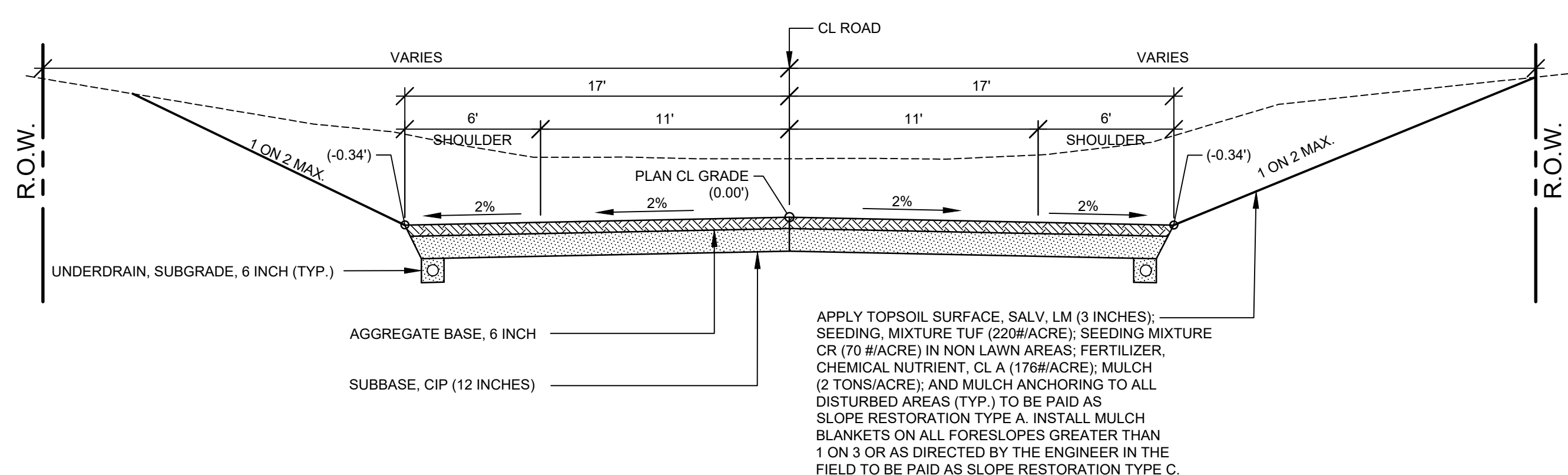
LH 400131 1



TYPICAL FILL SECTION
 APPLY TOPSOIL SURFACE, SALV. LM (3 INCHES); SEEDING MIXTURE TUF (220#/ACRE); SEEDING MIXTURE CR (70 #/ACRE) IN NON LAWN AREAS; FERTILIZER, CHEMICAL NUTRIENT, CL A (176#/ACRE); MULCH (2 TONS/ACRE); AND MULCH ANCHORING TO ALL DISTURBED AREAS (TYP.) TO BE PAID AS SLOPE RESTORATION TYPE A. INSTALL MULCH BLANKETS ON ALL FORESLOPES GREATER THAN 1 ON 3 OR AS DIRECTED BY THE ENGINEER IN THE FIELD TO BE PAID AS SLOPE RESTORATION TYPE C.

TYPICAL SECTION - 125TH AVENUE

SCALE: 1" = 5'
 THIS SECTION APPLIES TO:
 P.O.B. TO STA. 25+15
 STA. 25+00 TO P.O.E.



TYPICAL SECTION - VALLEY GUTTER

SCALE: 1" = 5'
 THIS SECTION APPLIES TO:
 STA. 68+80 TO STA. 79+30 RT.
 STA. 70+00 TO STA. 74+00 LT.

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 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 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 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.

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.

MISCELLANEOUS QUANTITIES

DESCRIPTION	QUANTITY	UNIT
SUBGRADE UNDERCUTTING, TYPE II	800	CYD
AGGREGATE, BA	50	TON
GEOTEXTILE, STABILIZATION	1300	SYD
CULV END SECT. CONC. 18 INCH	2	EA
CULV CL F CONC. 18 INCH	48	FT
RIPRAP, PLAIN	19	SYD
EROSION CONTROL SILT FENCE	1000	FT
EROSION CONTROL CHECK DAM	200	FT
APPROACH, CL II	60	TON
CULV CL F 12 INCH	40	FT
CULV CL F 18 INCH	40	FT
CULV CL F 24 INCH	40	FT

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REVISIONS	1	2	3	4	5	6	7

125TH AVENUE RECONSTRUCTION PROJECT
 HEATH TOWNSHIP - 41ST STREET TO 38TH STREET
 TYPICAL SECTIONS, DETAILS, & NOTES

DRAWN BY: ACW
 REVIEWED BY: RK
 DATE: MAY 2023
 SCALE: AS NOTED

LH 400131 2

SOIL BORINGS	
SB #1	0 - 4" BROWN MEDIUM SAND, SOME FINE TO COARSE GRAVEL 4" - 15" DARK BROWN FINE SAND 15" - 60" BROWN FINE SAND 60" END OF BORING
SB #2	0 - 3" BROWN MEDIUM SAND, SOME FINE TO COARSE GRAVEL 3" - 10" DARK BROWN FINE SAND 10" - 60" BROWN FINE SAND 60" END OF BORING

41ST STREET

125TH AVENUE

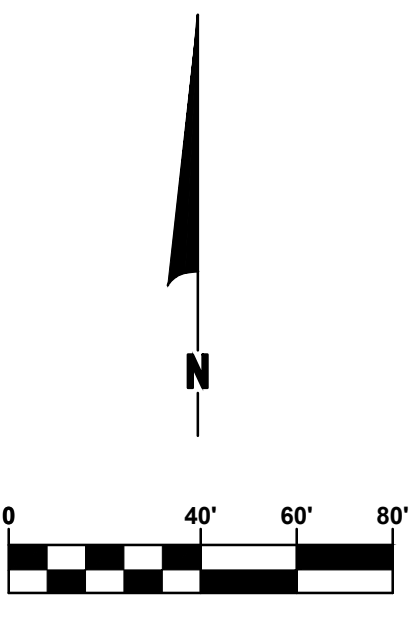
15 TON - APPROACH, CL II

CAUTION: UNDERGROUND COMMUNICATIONS UTILITIES

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

09-034-010-00
UNITED STATES OF AMERICA

09-034-019-00
MICHIGAN DNR
P.O. BOX 30448
LANSING, MI 48909



10+28 TELE RISER BOX 23.5'
10+49 9" OAK 46.6'

10+85 12" OAK 24.7' - REMOVE
10+98 9" PINE 26.6' - REMOVE
11+25 18" OAK 38.7'
11+30 18" OAK 23.1' - REMOVE
11+47 15" OAK 29.8' - REMOVE

12+02 9" STUMP 22.4' - REMOVE

12+53 6" PINE 27.6' - REMOVE
12+58 6" OAK 40.9'
12+69 15" OAK 31.2' - REMOVE
12+75 15" OAK 30.3' - REMOVE
12+89 9" OAK 26.6' - REMOVE

13+21 18" OAK 26.6' - REMOVE
13+29 6" SASSAFRAS 23.0' - REMOVE

13+54 12" OAK 26.7' - REMOVE

13+95 12" OAK 25.9' - REMOVE

14+24 18" OAK 29.7' - REMOVE
14+31 15" OAK 24.6' - REMOVE

14+48 6" SASSAFRAS 21.7' - REMOVE

14+91 15" OAK 26.3' - REMOVE

15+67 6" OAK 14.8' - REMOVE
15+77 9" SASSAFRAS 31.4' - REMOVE
15+88 6" OAK 19.7' - REMOVE
15+92 6" OAK 22.0' - REMOVE
15+97 6" BEECH 25.5' - REMOVE

16+20 6" OAK 17.8' - REMOVE
16+25 24" STUMP 16.9' - REMOVE

16+43 6" SASSAFRAS 17.2' - REMOVE
16+45 6" SASSAFRAS 19.4' - REMOVE
16+54 21" STUMP 12.6' - REMOVE
16+62 6" OAK 12.3' - REMOVE

16+76 15" PINE 11.6' - REMOVE
16+80 6" OAK 22.4' - REMOVE
16+82 6" OAK 12.9' - REMOVE
16+95 12" OAK 13.2' - REMOVE
17+01 9" OAK 14.0' - REMOVE

17+60 9" ELM 13.9' - REMOVE
17+64 9" OAK 12.3' - REMOVE

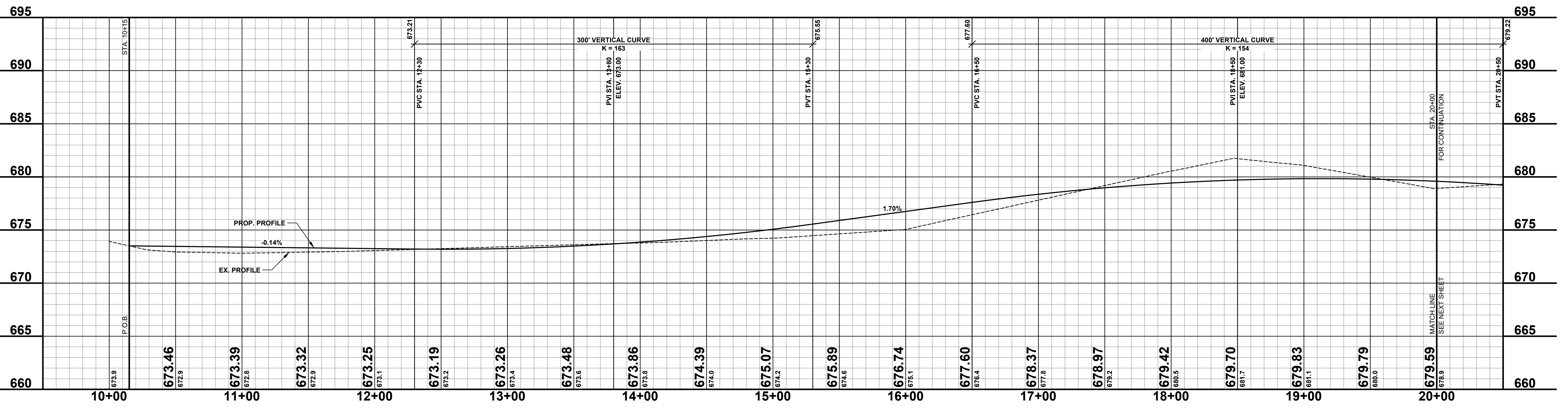
17+88 6" OAK 13.9' - REMOVE
17+88 12" WALNUT 17.3' - REMOVE
17+95 6" OAK 21.3' - REMOVE
18+04 6" OAK 12.3' - REMOVE
18+11 6" OAK 17.3' - REMOVE

18+46 6" OAK 19.2' - REMOVE
18+47 6" MAPLE 22.6' - REMOVE
18+50 6" OAK 12.3' - REMOVE
18+62 6" OAK 13.8' - REMOVE

18+78 6" OAK 19.4' - REMOVE

19+20 6" SASSAFRAS 10.8' - 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.
 - SAW/CUT AND REMOVE EXISTING HMA PAVEMENT. REGRADE EXISTING DRIVE OR APPROACH AS REQUIRED AND SURFACE WITH APPROACH, CL II BY THE TON.
 - SAW/CUT 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). (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)



STA. 10+15
STA. 20+00
FOR CONTINUATION

REVISIONS	
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125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET

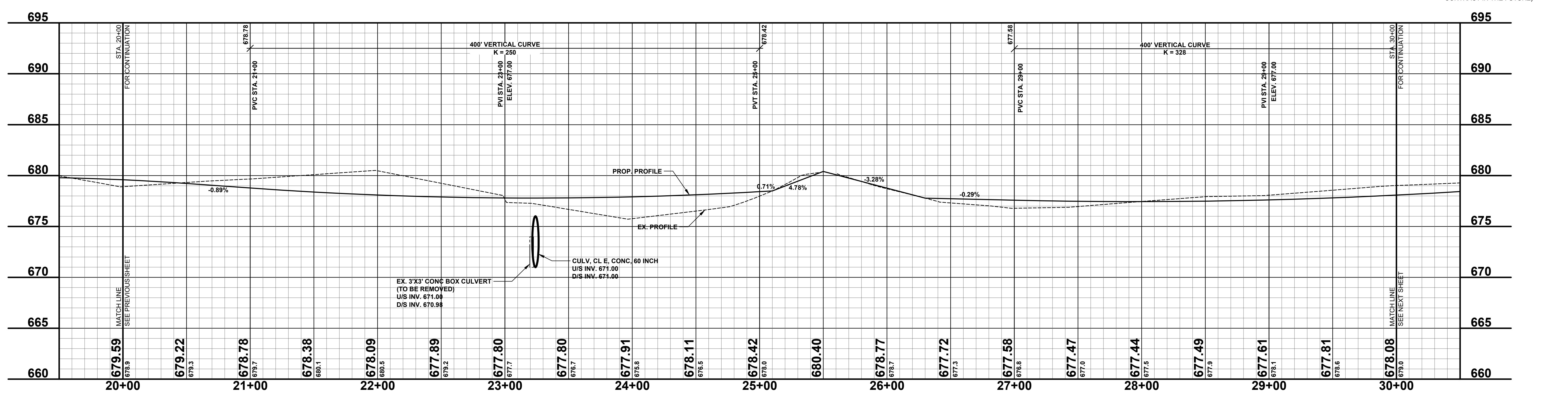
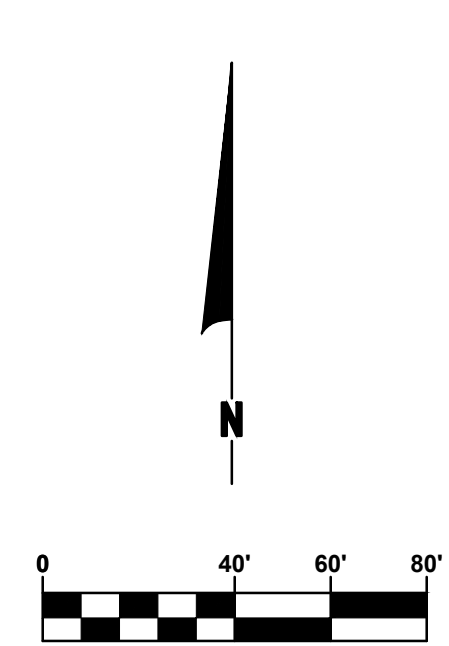
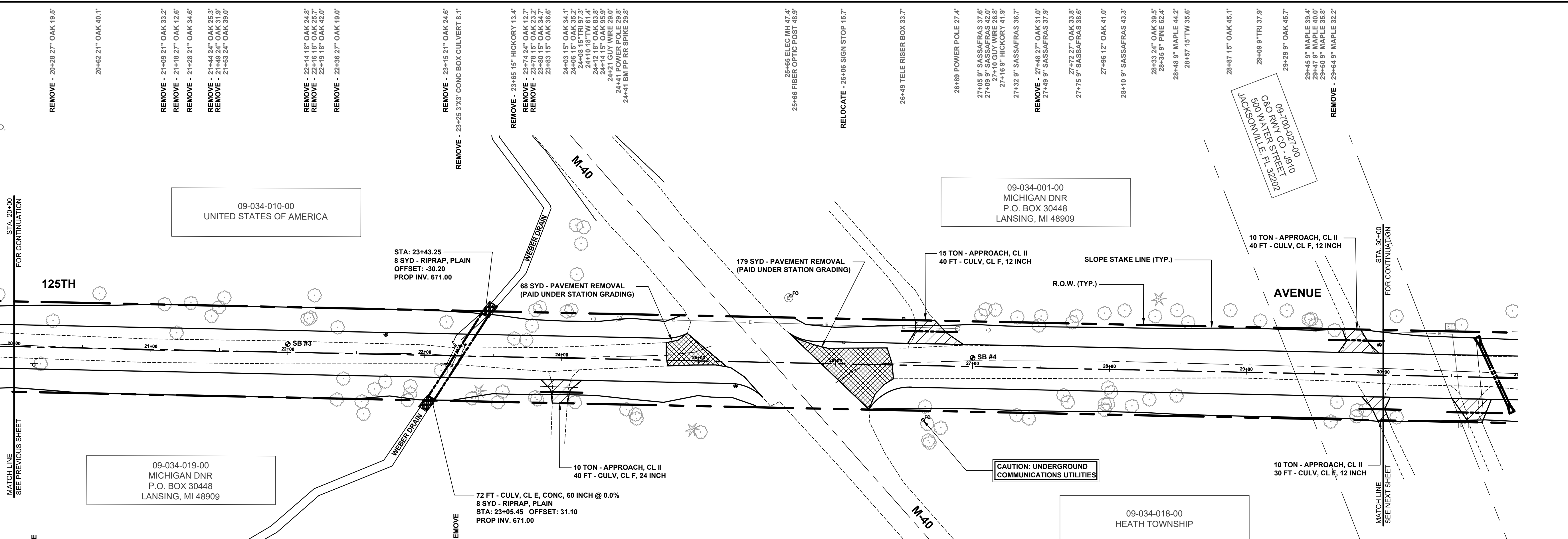
PLAN & PROFILE - P.O.B. TO STA. 20+00

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

**Board of County Road Commissioners
Of Allegan County**
1308 LINCOLN ROAD
ALLEGAN, MICHIGAN 49010-9762
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SOIL BORINGS

SB #3	0 - 2" BROWN FINE TO MEDIUM SAND, SOME FINE TO COARSE GRAVEL
	2" - 60" BROWN FINE SAND
	60" END OF BORING
SB #4	0 - 12" BROWN & DARK BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
	12" - 42" BROWN FINE SAND
	42" - 60" BROWN FINE TO MEDIUM SAND, TRACE FINE GRAVEL
	60" END OF BORING



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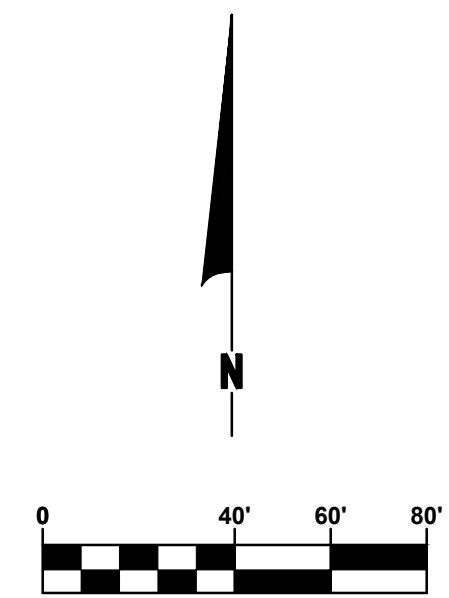
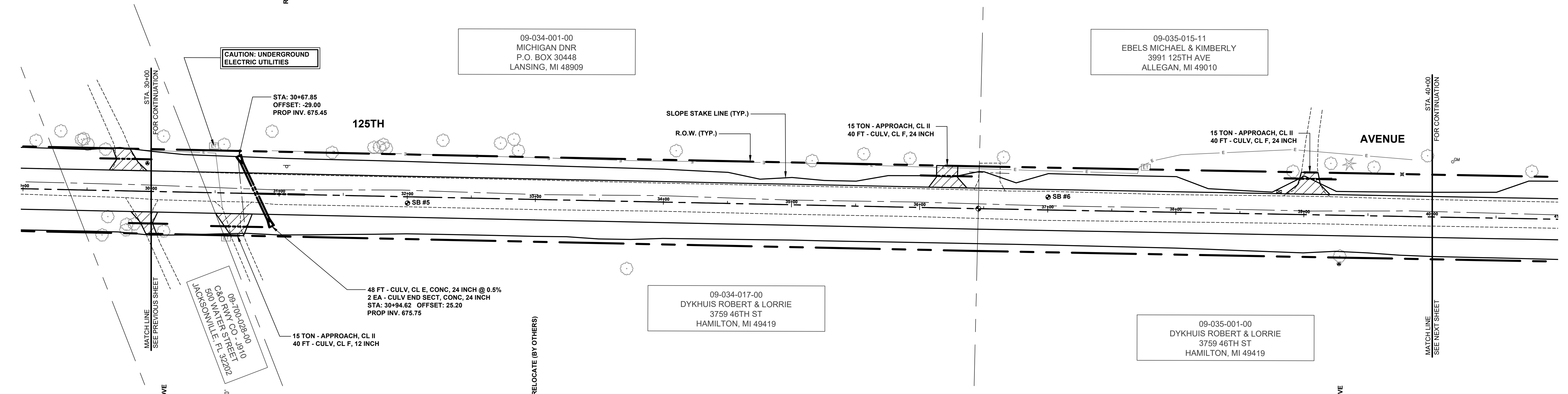
125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET

PLAN & PROFILE - STA. 20+00 TO STA. 30+00

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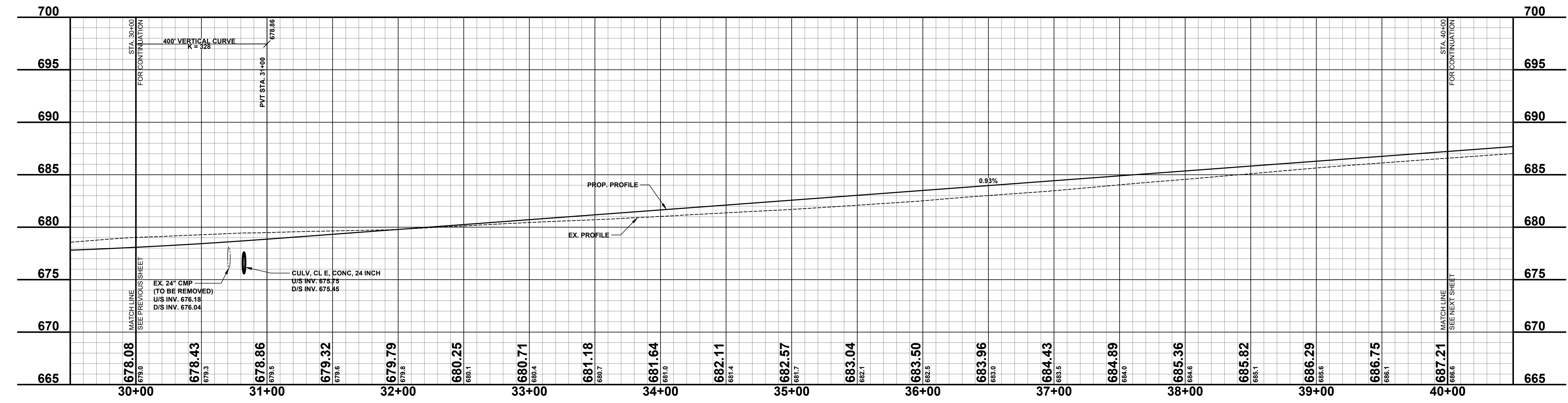
SOIL BORINGS

SB #5	SB #6
0 - 8" BROWN MEDIUM SAND, SOME FINE TO COARSE GRAVEL	0 - 13" BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
8" - 24" DARK BROWN SLIGHTLY CLAYEY FINE SAND	13" - 28" DARK BROWN FINE SAND, TRACE COARSE GRAVEL
24" - 60" BROWN FINE TO MEDIUM SAND	28" - 60" BROWN FINE TO MEDIUM SAND
60" END OF BORING	60" END OF BORING



LEGEND

	REGRADE EXISTING DRIVE AS REQUIRED AND SURFACE WITH APPROACH, CLASS II TO A DEPTH OF 6\"/>
	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) (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, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (TOP) (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)



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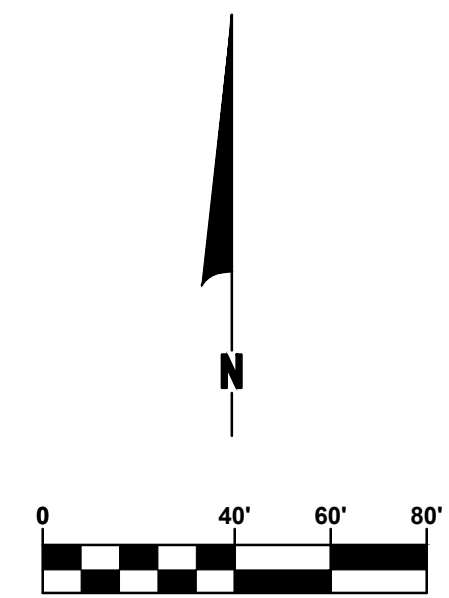
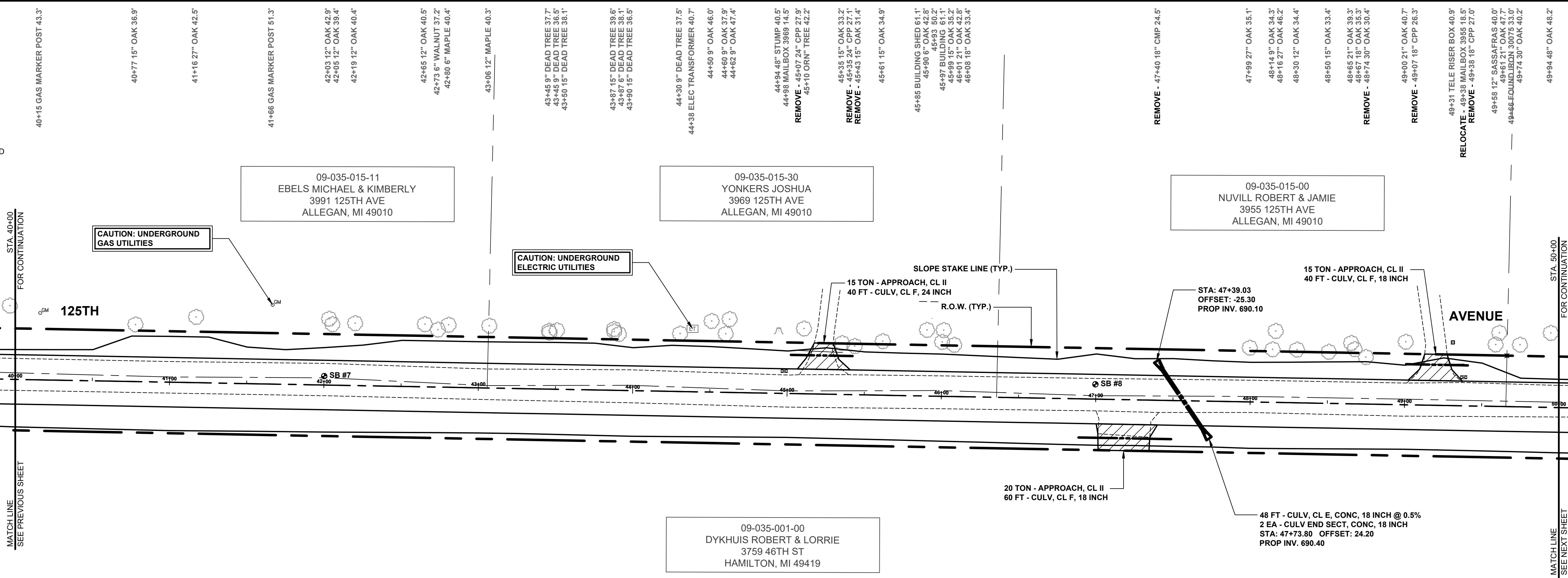
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125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET
PLAN & PROFILE - STA. 30+00 TO STA. 40+00

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

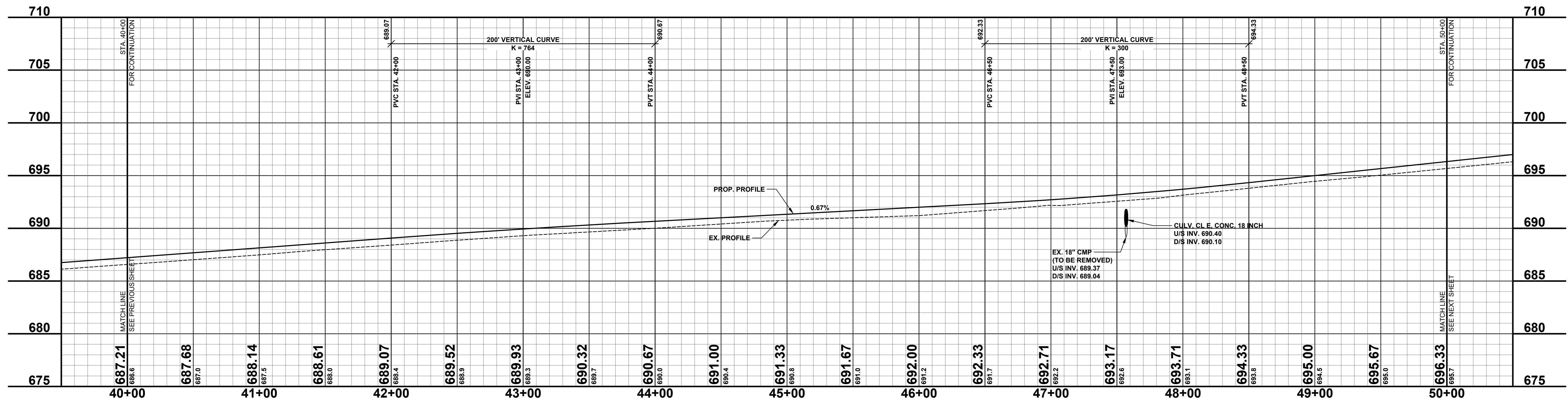
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SOIL BORINGS	
SB #7	0 - 8" BROWN MEDIUM SAND & FINE TO COARSE GRAVEL 8" - 17" DARK BROWN FINE SAND 17" - 120" BROWN FINE TO MEDIUM SAND, SOME TRACE FINE GRAVEL 120" END OF BORING
SB #8	0 - 14" BROWN MEDIUM SAND & FINE TO COARSE GRAVEL 14" - 30" BROWN FINE TO MEDIUM SAND, CLAYEY FINE TO MEDIUM SAND 30" - 120" BROWN FINE TO MEDIUM SAND 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, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (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, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (TOP) - (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)



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125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET

PLAN & PROFILE - STA. 40+00 TO STA. 50+00

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

LH 400131 6

SOIL BORINGS

SB #9	0 - 10" BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
	10" - 30" DARK BROWN FINE SAND
	30" - 60" BROWN FINE SAND
	60" END OF BORING
SB #10	0 - 12" BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
	12" - 36" DARK BROWN TO BLACK CLAYEY FINE SAND
	36" - 60" BROWN FINE SAND
	60" END OF BORING

50+19 12" SASSAFRAS 40.5'
50+24 12" SASSAFRAS 42.3'
50+37 15" SASSAFRAS 45.8'
50+54 4" TW 46.4'
50+55 12" OAK 46.4'
50+78 21" SASSAFRAS 48.0'
50+89 21" SASSAFRAS 50.8'
50+90 6" SASSAFRAS 48.5'
50+92 1" SASSAFRAS 48.5'
50+93 21" OAK 38.3'

51+99 12" POPLAR 38.0'
52+00 12" POPLAR 38.1'
52+06 6" OAK 38.1'

52+43 15" POPLAR 44.9'

52+63 15" POPLAR 36.2'

52+83 15" POPLAR 37.9'

53+99 9" POPLAR 35.4'

56+40 15" OAK 35.9'
56+46 24" POPLAR 35.9'
56+65 15" POPLAR 35.5'

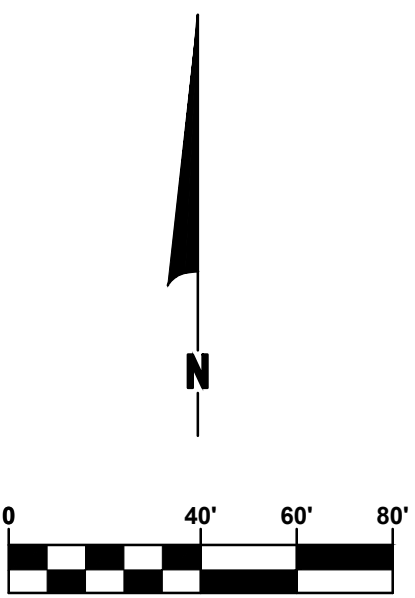
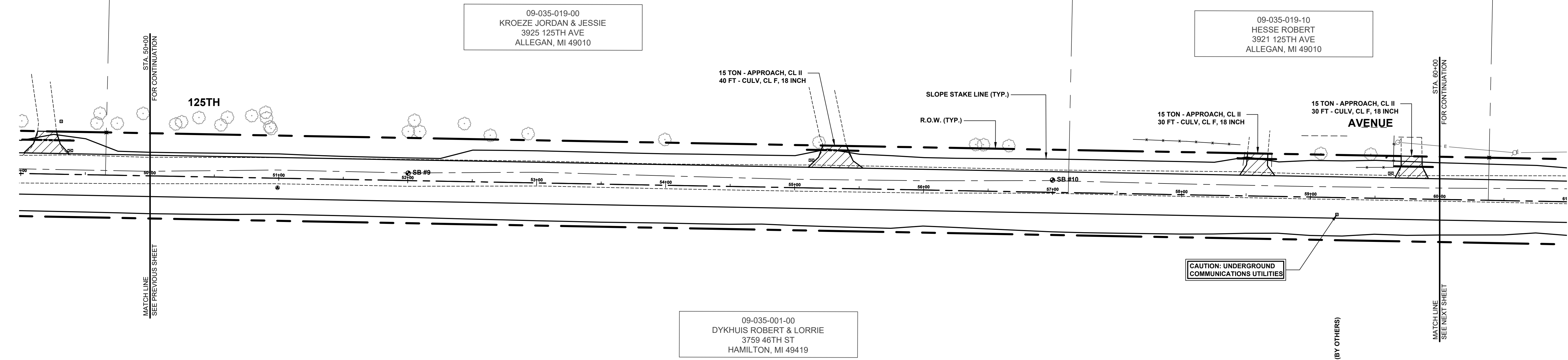
57+42 FENCE SPLIT 42.2'

58+03 FM RAIL 41.4'

58+43 1" CPP 28.6'
58+45 1" CPP 28.6'
58+47 FM RAIL 23.6'
58+48 FENCE SPLIT 33.8'
58+69 FM RAIL 23.0'
58+69 FENCE SPLIT 33.4'
58+73 12" CPP 28.9'
58+92 BUILDING HOUSE 47.4'
59+07 ORN" TREE 33.8'

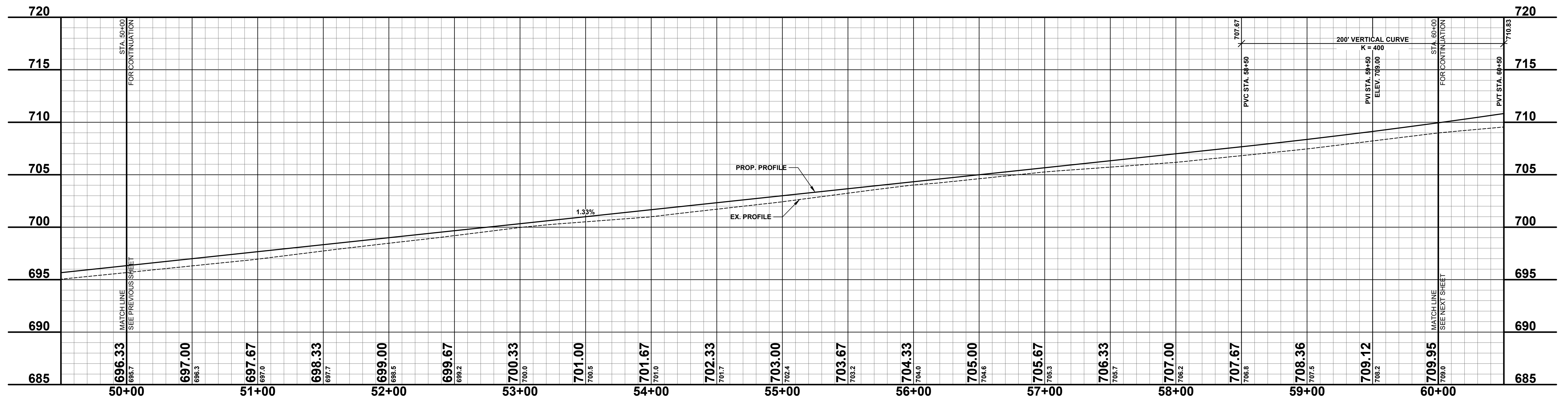
59+27 BUILDING 47.8'
59+35 FENCE SPLIT 23.6'
59+39 1" CPP 28.6'
59+46 ORN" TREE 34.0'

59+58 BUILDING 54.9'
59+62 MAILOX 19.6'
59+64 FM RAIL 24.2'
59+65 1" CPP 28.9'
59+67 1" CPP 28.9'
59+67 BUILDING GARAGE 47.7'



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, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (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, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (TOP) - (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)



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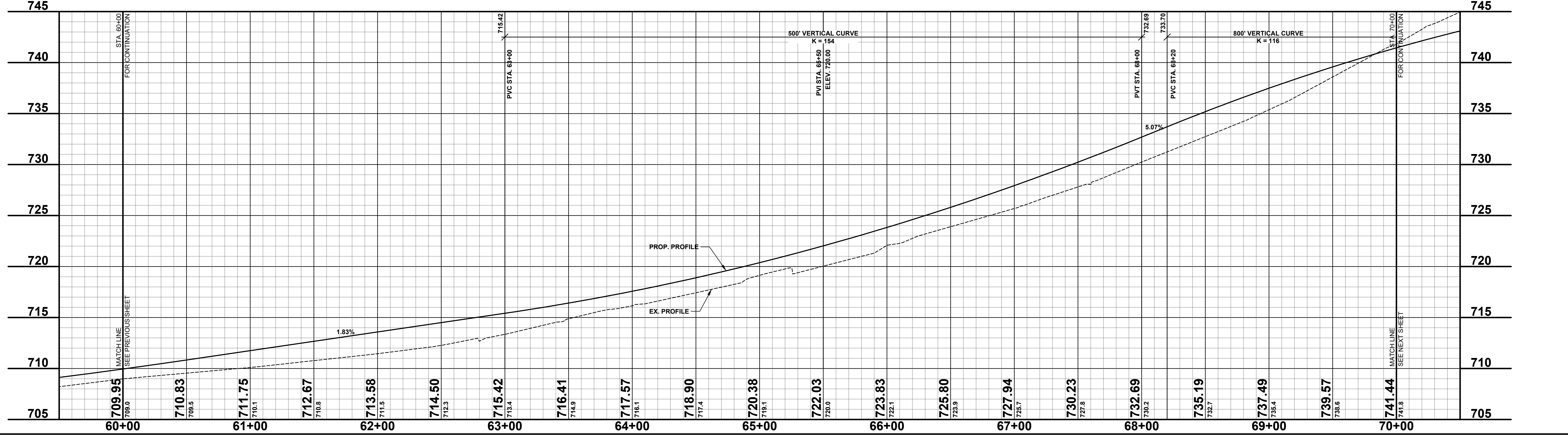
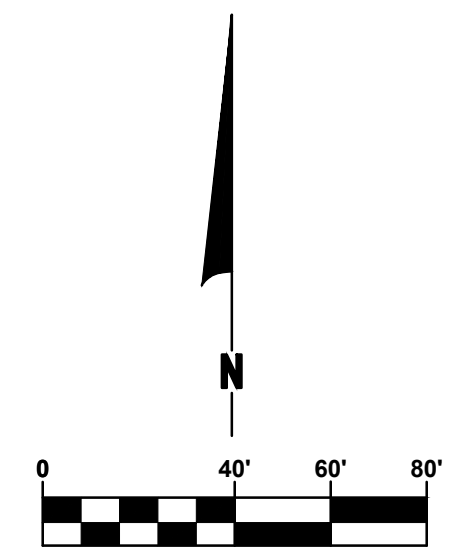
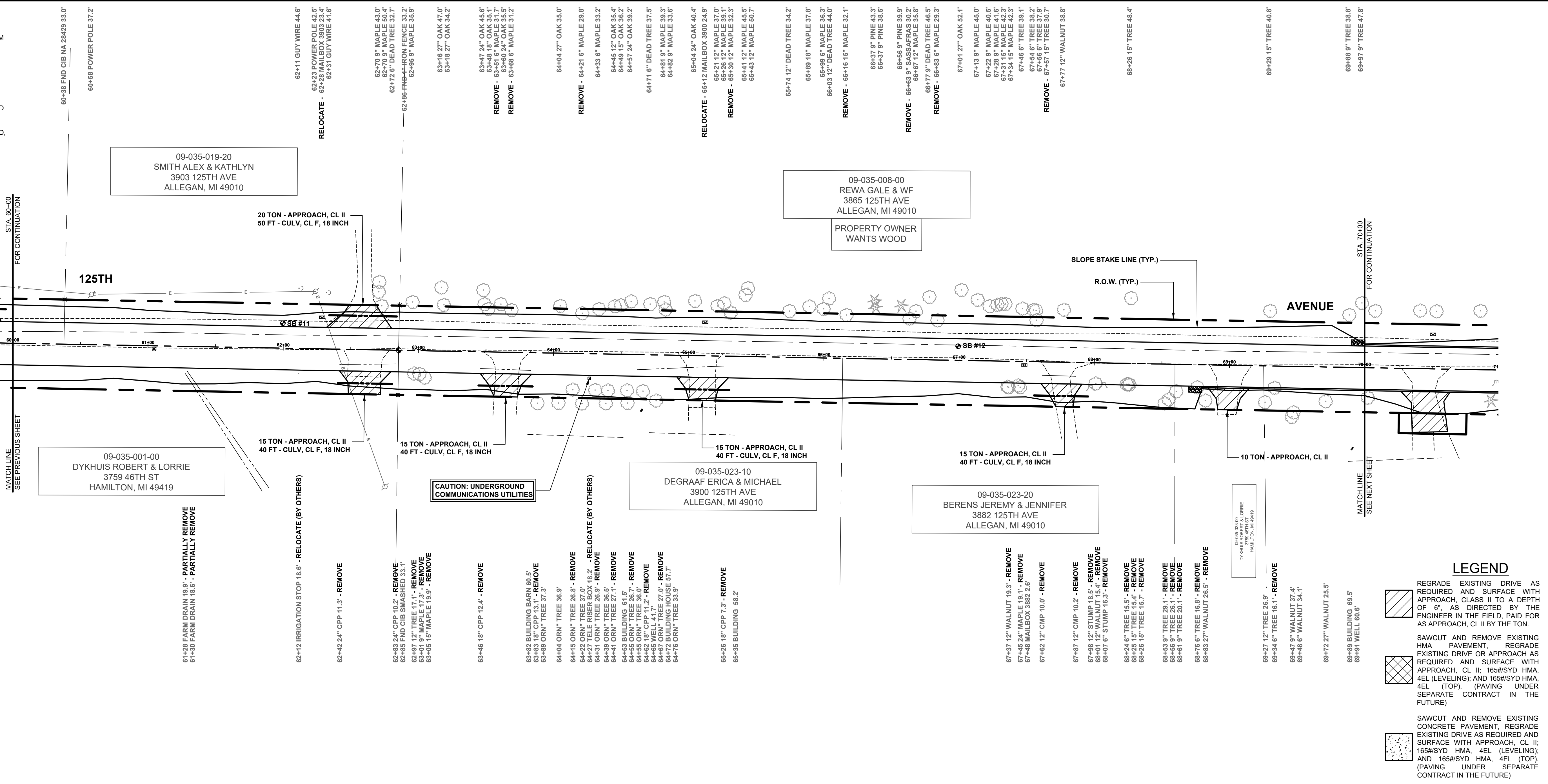
125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET

PLAN & PROFILE - STA. 50+00 TO STA. 60+00

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

SOIL BORINGS

SB #11	0 - 14"	BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
	14" - 38"	DARK BROWN FINE TO MEDIUM SAND, TRACE CLAY & COARSE GRAVEL
	38" - 60"	BROWN FINE SAND
	60"	END OF BORING
SB #12	0 - 8"	BROWN MEDIUM SAND & FINE TO COARSE GRAVEL
	8" - 17"	BROWN FINE TO MEDIUM SAND
	17" - 33"	DARK BROWN FINE SAND, TRACE CLAY
	33" - 48"	BROWN FINE TO MEDIUM SAND, TRACE CLAY (MOIST)
	48" - 60"	BROWN & GREY SANDY CLAY, TRACE FINE GRAVEL
	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, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (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, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (TOP). (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)

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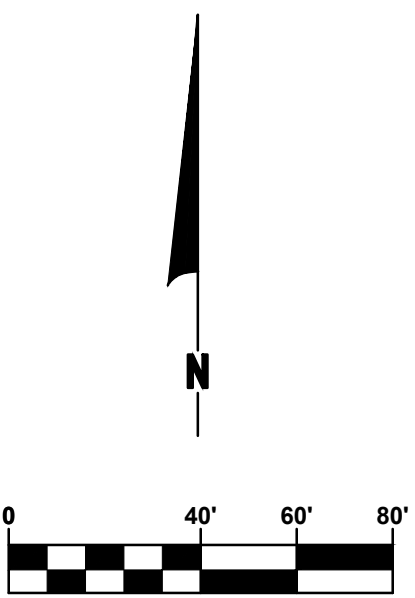
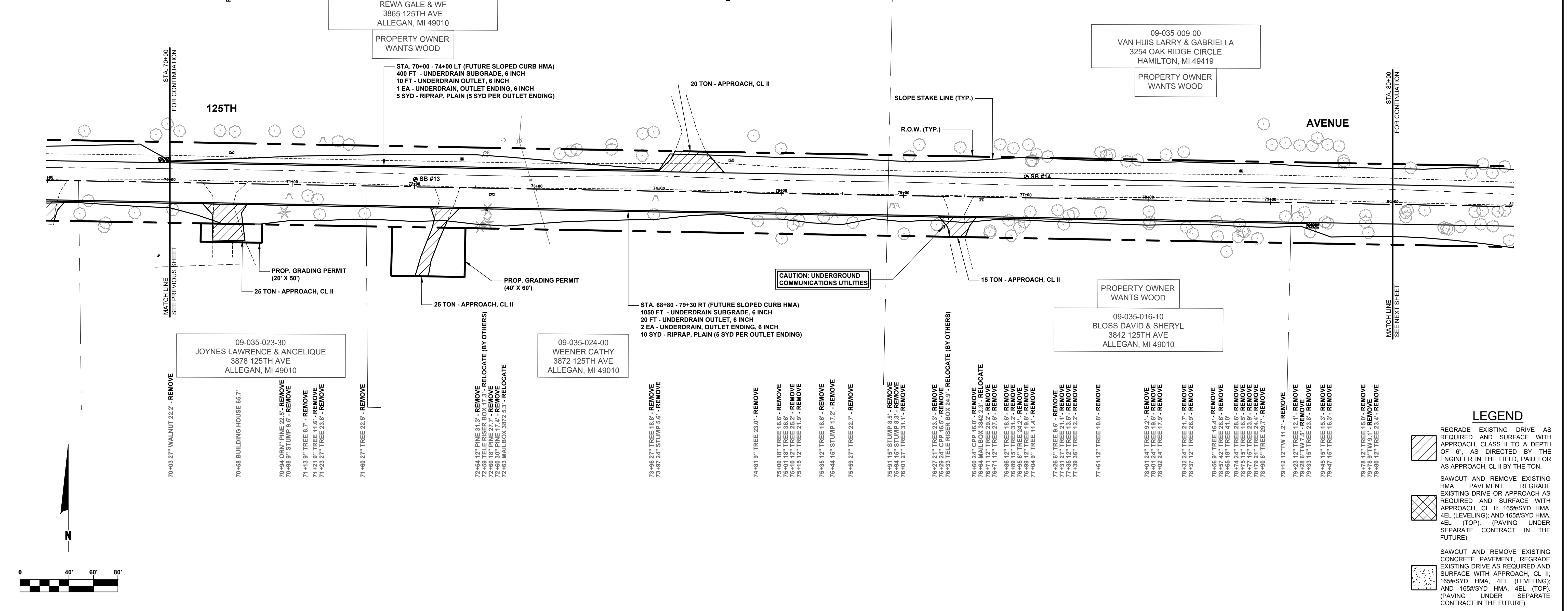
125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET
PLAN & PROFILE - STA. 60+00 TO STA. 70+00

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

LH 400131 8

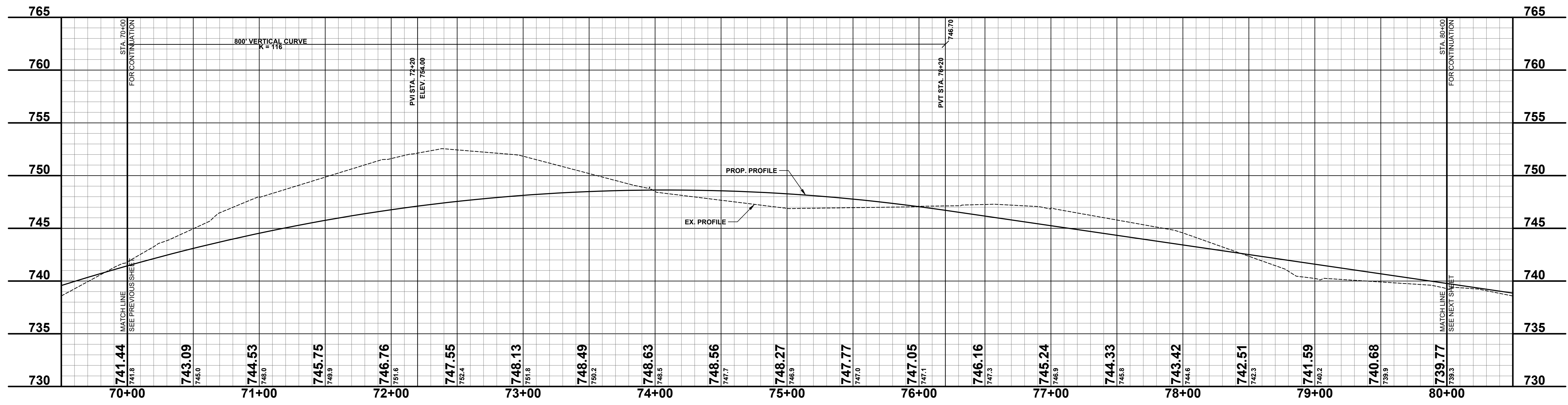
SOIL BORINGS

SB #13	0 - 4" BROWN MEDIUM SAND, SOME FINE TO COARSE GRAVEL	70+07.9" TREE 42.2'
	4" - 10" DARK BROWN FINE TO MEDIUM SAND	70+40.9" TREE 42.9'
	10" - 60" BROWN FINE SAND	70+52.9" TREE 42.6'
	60" END OF BORING	
SB #14	0 - 4" BROWN MEDIUM SAND, SOME FINE TO COARSE GRAVEL	70+85.27" TREE 43.6'
	4" - 11" DARK BROWN FINE SAND	71+04.6" TREE 43.3'
	11" - 60" BROWN FINE SAND	71+24.27" STUMP 37.1'
	60" END OF BORING	71+37.6" TREE 36.3'
		71+48.9" TREE 33.7'



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, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (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, 4EL (LEVELING); AND 165#/SYD HMA, 4EL (TOP). (PAVING UNDER SEPARATE CONTRACT IN THE FUTURE)



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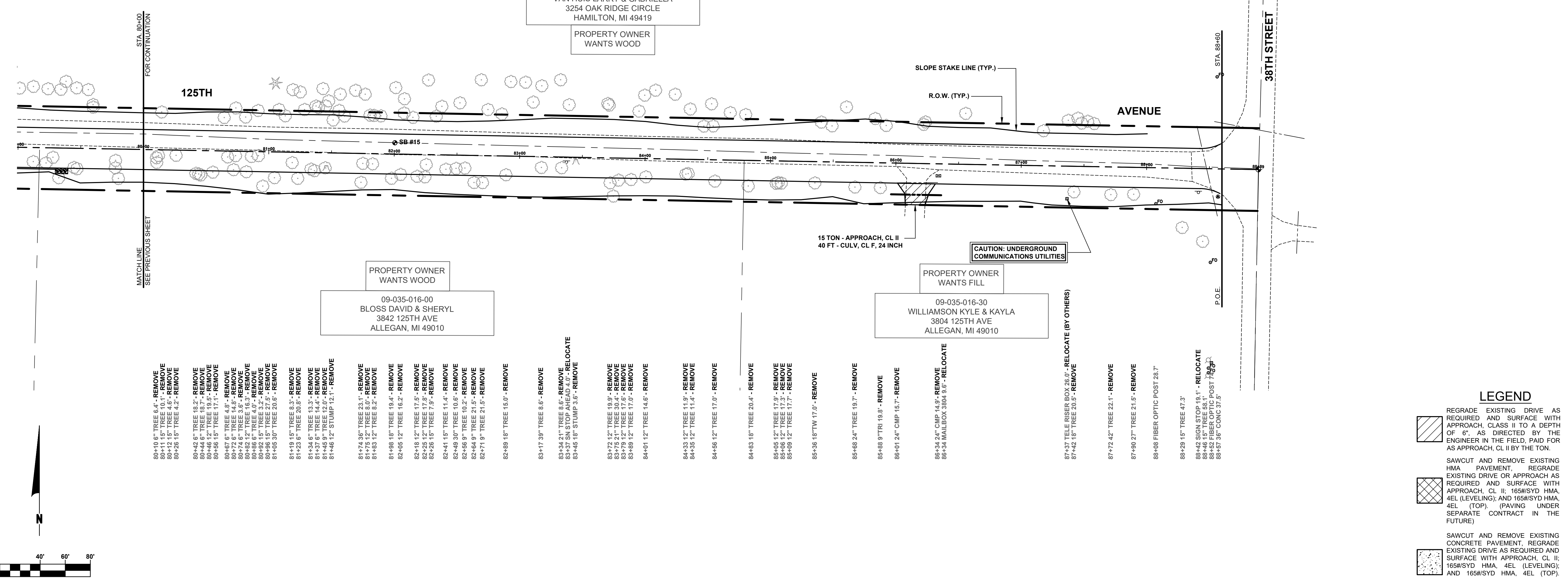
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125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET
PLAN & PROFILE - STA. 70+00 TO STA. 80+00

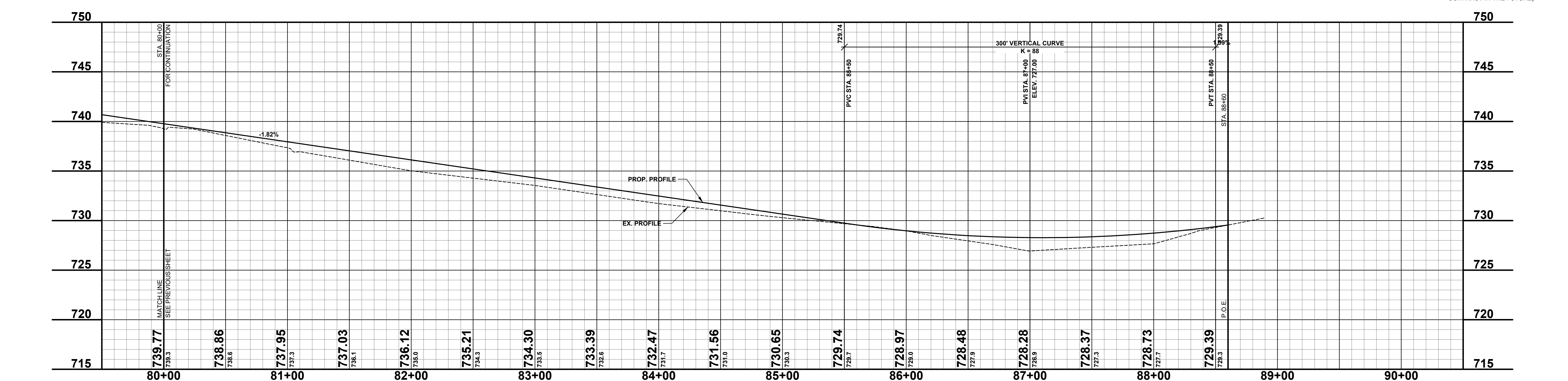
DRAWN BY: ACW
REVIEWED BY: RK
DATE: MAY 2023
SCALE: 1"= 40'H, 5V

SOIL BORINGS

SB #15	0' - 4"	BROWN MEDIUM SAND, SOME FINE TO COARSE GRAVEL
	4" - 14"	BROWN SILTY FINE SAND
	14" - 24"	DARK BROWN FINE SAND
	24" - 54"	BROWN FINE SAND
	54" - 60"	BROWN SANDY CLAY
	60"	END OF BORING



- REMOVE - 80+14.9" TRI 30.2'
- REMOVE - 80+64.9" TRI 26.6'
- REMOVE - 80+73.6" TREE 34.4'
- REMOVE - 80+81.6" TREE 27.3'
- REMOVE - 80+91.15" TREE 32.8'
- REMOVE - 81+04.24" PINE 55.1'
- REMOVE - 81+07.12" TREE 33.8'
- REMOVE - 81+18.12" TREE 48.1'
- REMOVE - 81+24.12" TREE 48.1'
- REMOVE - 81+33.12" TREE 37.1'
- REMOVE - 81+39.12" TREE 36.1'
- REMOVE - 81+42.12" TREE 51.1'
- REMOVE - 81+47.12" TREE 41.4'
- REMOVE - 81+51.12" TREE 26.2'
- REMOVE - 81+55.12" TREE 46.9'
- REMOVE - 81+60.12" TREE 29.5'
- REMOVE - 81+68.12" TREE 50.2'
- REMOVE - 81+83.12" TREE 30.5'
- REMOVE - 81+89.12" TREE 30.6'
- REMOVE - 82+00.12" TREE 63.0'
- REMOVE - 82+07.12" TREE 32.7'
- REMOVE - 82+07.12" TREE 44.2'
- REMOVE - 82+26.12" TREE 69.5'
- REMOVE - 82+33.12" TREE 30.8'
- REMOVE - 82+37.12" TREE 38.7'
- REMOVE - 82+52.12" TREE 41.7'
- REMOVE - 82+69.12" TREE 60.4'
- REMOVE - 82+74.12" TREE 30.6'
- REMOVE - 82+85.12" TREE 33.5'
- REMOVE - 82+92.12" TREE 69.4'
- REMOVE - 83+04.12" TREE 69.1'
- REMOVE - 83+10.12" TREE 43.4'
- REMOVE - 83+17.12" TREE 56.5'
- REMOVE - 83+32.27" TREE 61.5'
- REMOVE - 83+39.27" TREE 41.8'
- REMOVE - 83+69.12" TREE 43.3'
- REMOVE - 83+71.12" TREE 42.1'
- REMOVE - 83+95.12" TREE 37.7'
- REMOVE - 83+99.12" TREE 50.5'
- REMOVE - 84+07.12" TREE 54.6'
- REMOVE - 84+23.12" TREE 51.7'
- REMOVE - 84+35.12" TREE 40.1'
- REMOVE - 84+46.12" TREE 26.7'
- REMOVE - 84+52.12" TREE 44.5'
- REMOVE - 84+54.12" TREE 26.9'
- REMOVE - 84+67.12" TREE 37.8'
- REMOVE - 84+80.12" TREE 36.5'
- REMOVE - 85+40.12" TREE 31.6'
- REMOVE - 85+49.12" TREE 28.7'
- REMOVE - 85+60.12" TREE 44.0'
- REMOVE - 85+83.12" TREE 35.2'
- REMOVE - 85+92.12" TREE 29.8'
- REMOVE - 86+22.12" TREE 31.2'
- REMOVE - 86+23.12" TREE 33.2'
- REMOVE - 86+55.12" TREE 40.6'
- REMOVE - 87+17.6" TREE 27.9'
- REMOVE - 87+37.6" TREE 36.5'
- REMOVE - 87+47.12" TREE 34.5'
- REMOVE - 87+52.12" TREE 36.1'
- REMOVE - 87+57.12" TREE 34.3'



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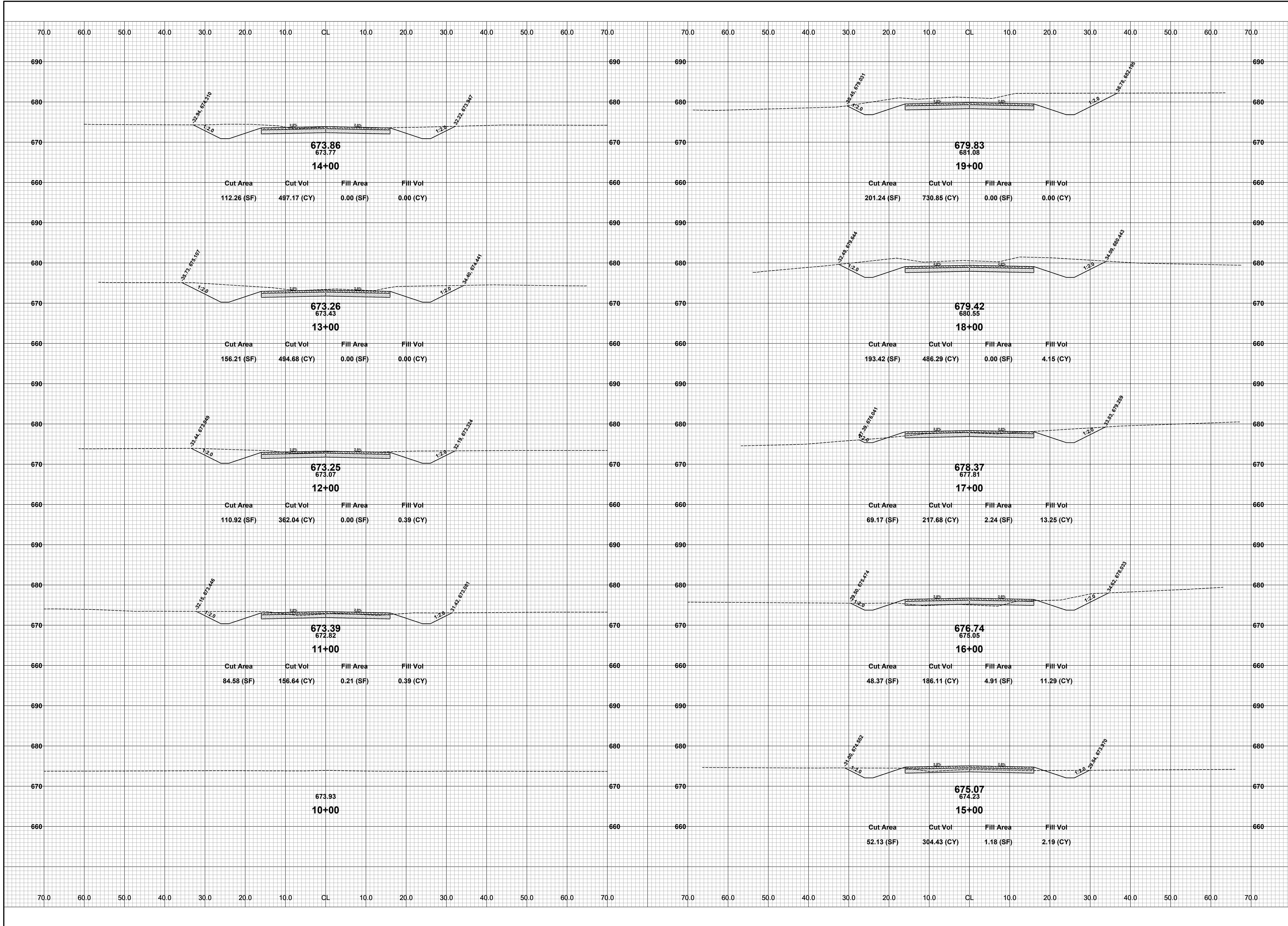
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125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET

PLAN & PROFILE - STA. 80+00 TO P.O.E.

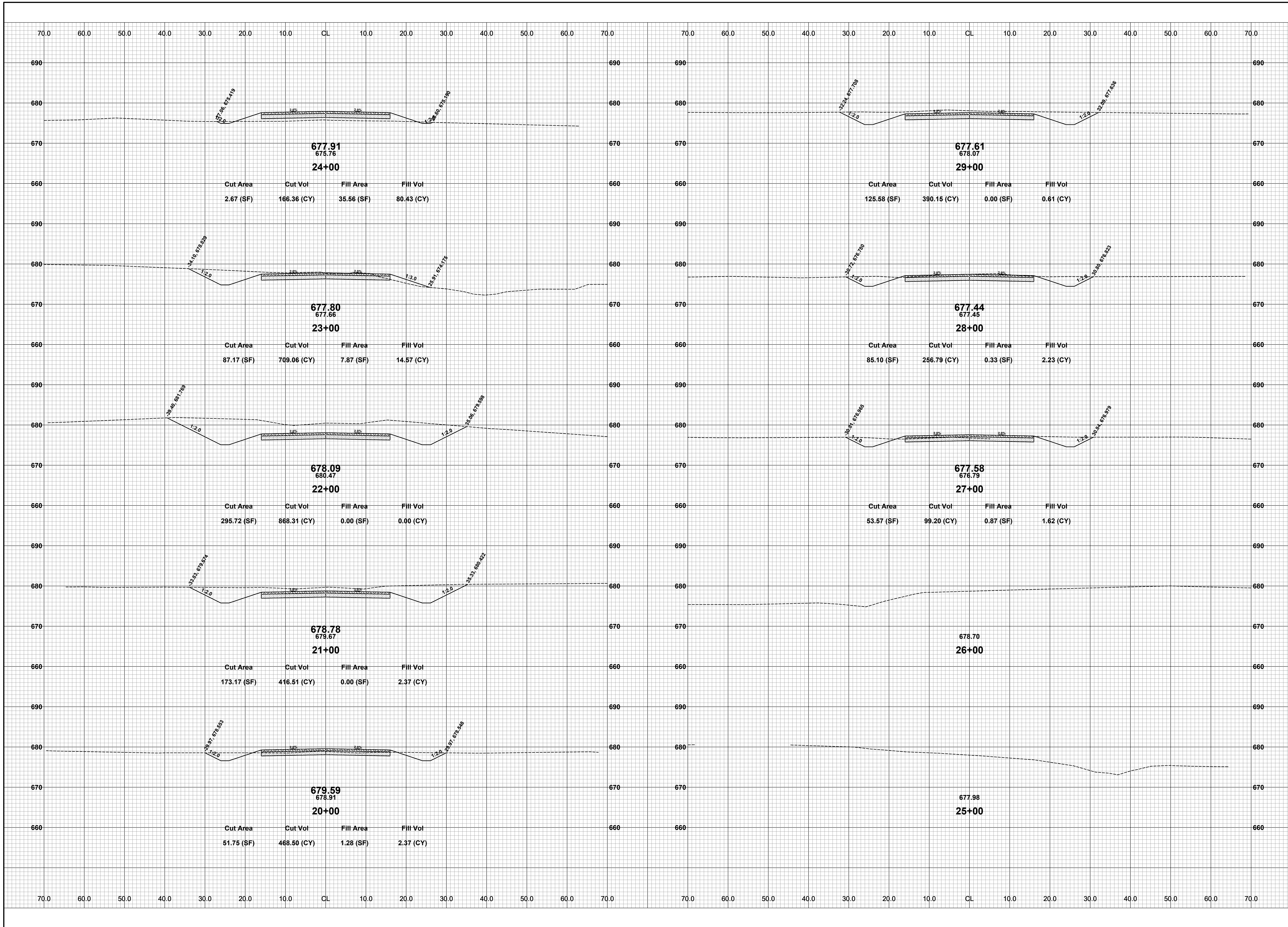
DRAWN BY: ACW
REVIEWED BY: RK
DATE: MAY 2023
SCALE: 1"= 40'H, 5V



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125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET
CROSS SECTIONS - STA. 10+00 TO STA. 19+00

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

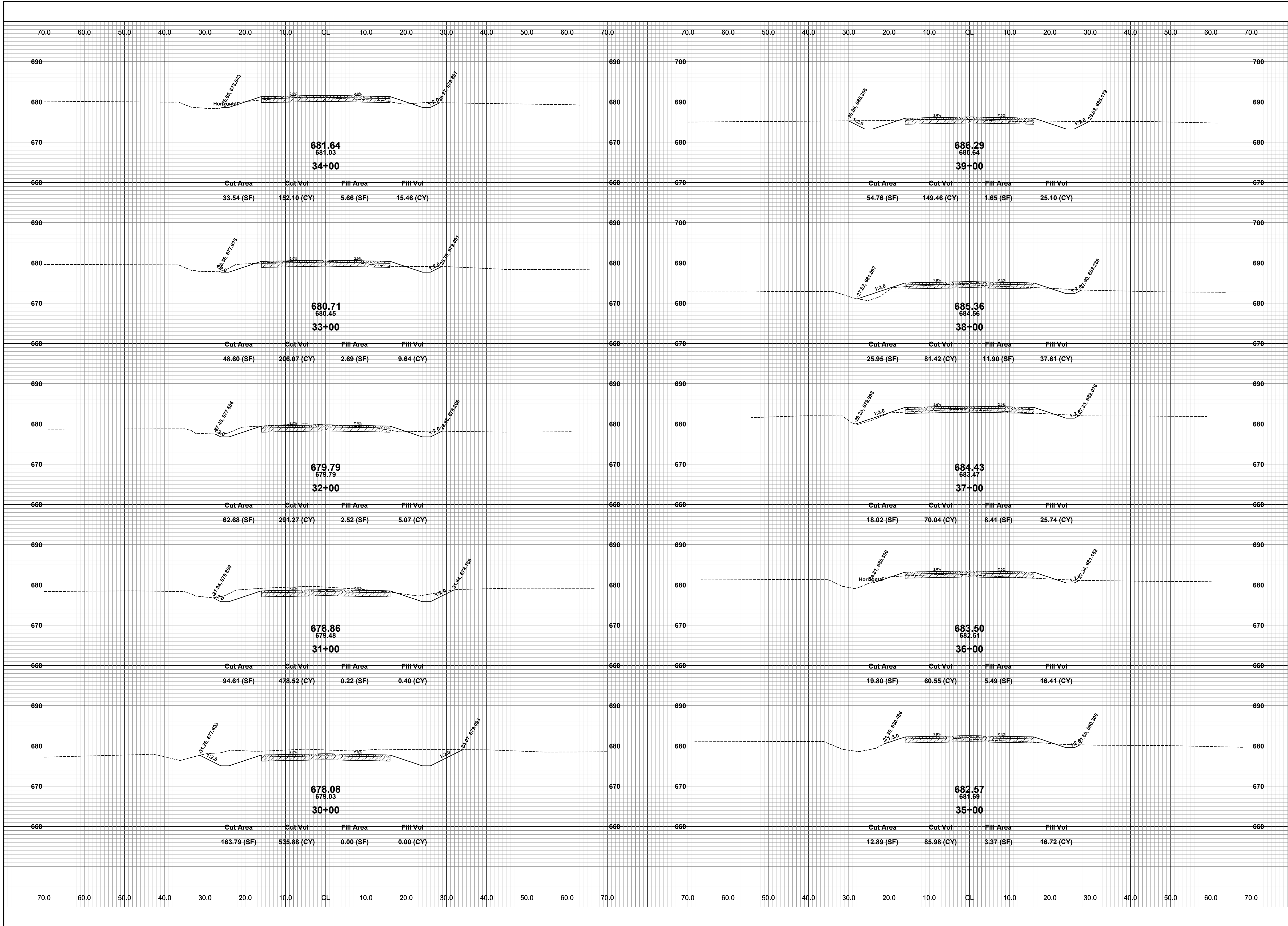


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125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET
CROSS SECTIONS - STA. 20+00 TO STA. 29+00

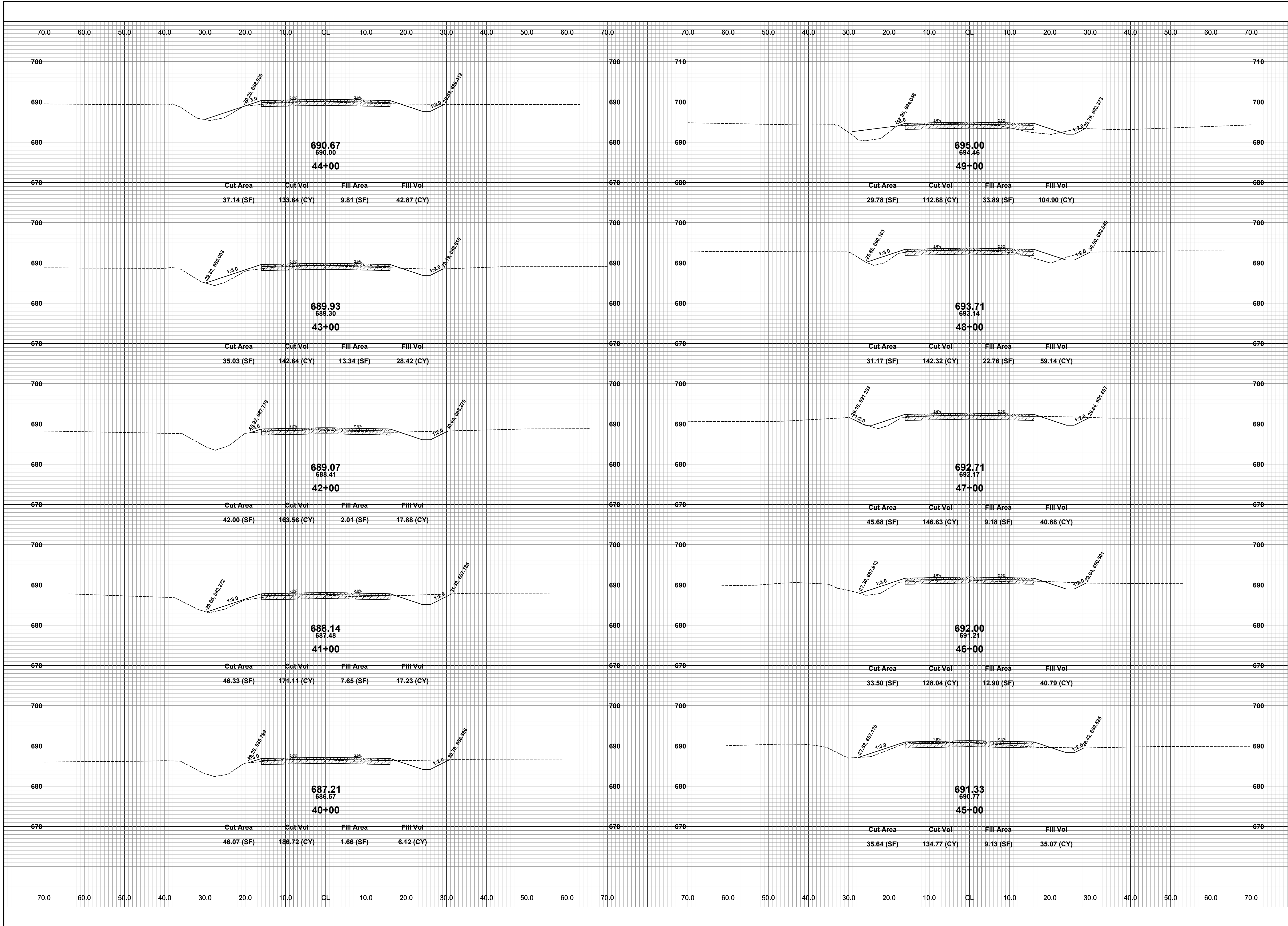
DRAWN BY: ACW
REVIEWED BY: RK
DATE: MAY 2023
SCALE: 1" = 10'



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125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET
CROSS SECTIONS - STA. 30+00 TO STA. 39+00

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

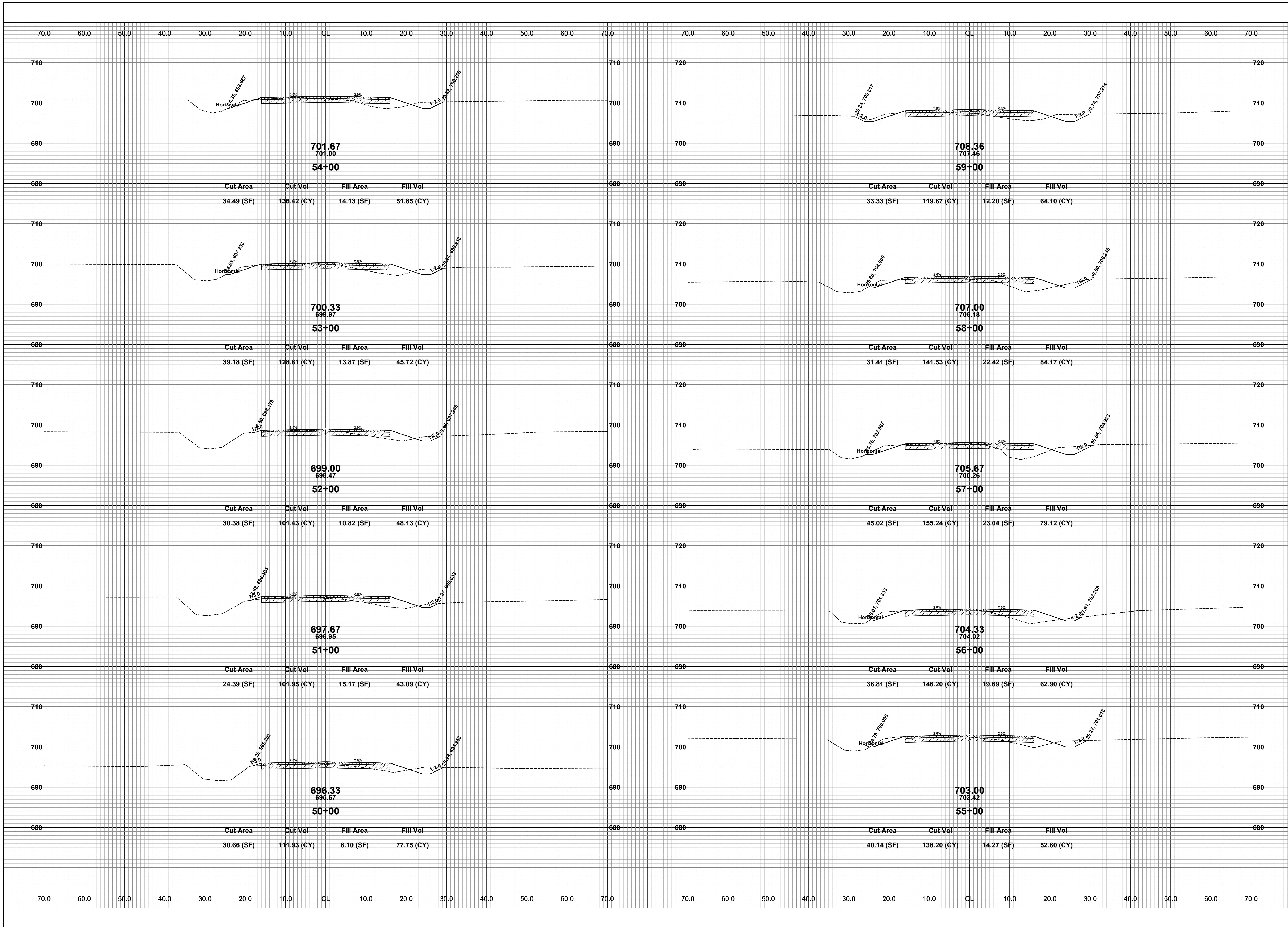


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125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET
CROSS SECTIONS - STA. 40+00 TO STA. 49+00

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

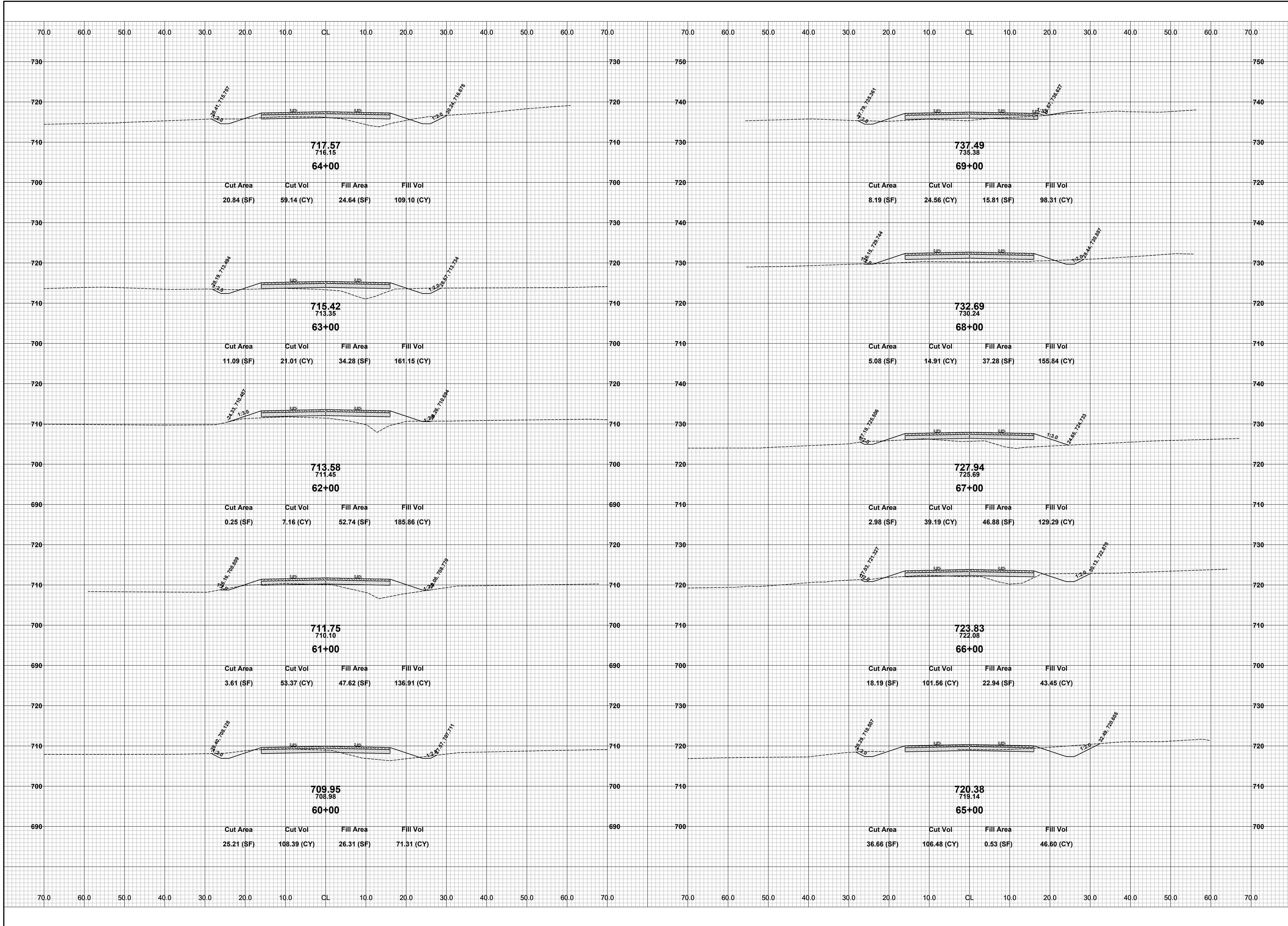


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125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET
CROSS SECTIONS - STA. 50+00 TO STA. 59+00

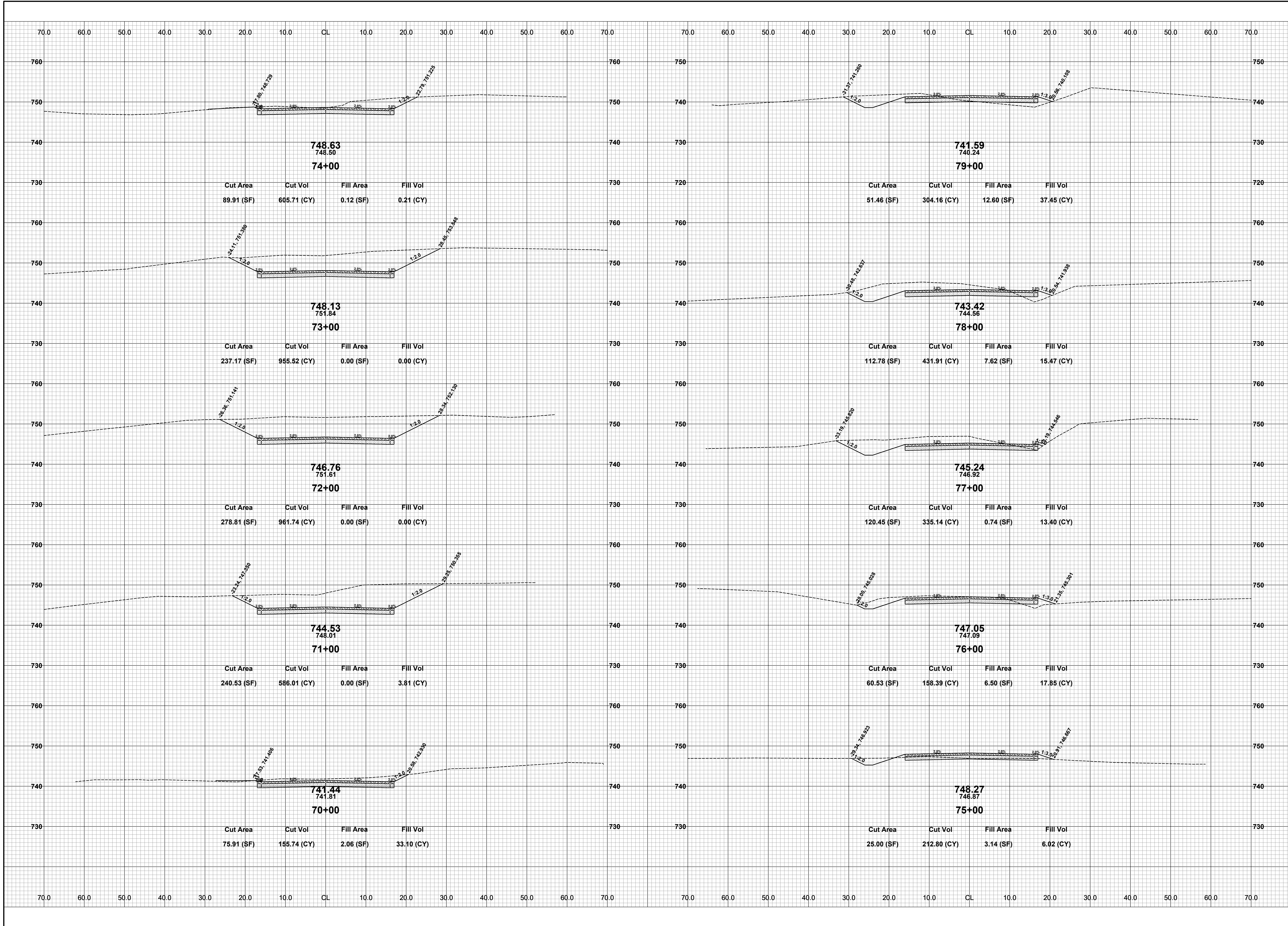
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SCALE: 1"= 10'



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125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET
CROSS SECTIONS - STA. 60+00 TO STA. 69+00

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

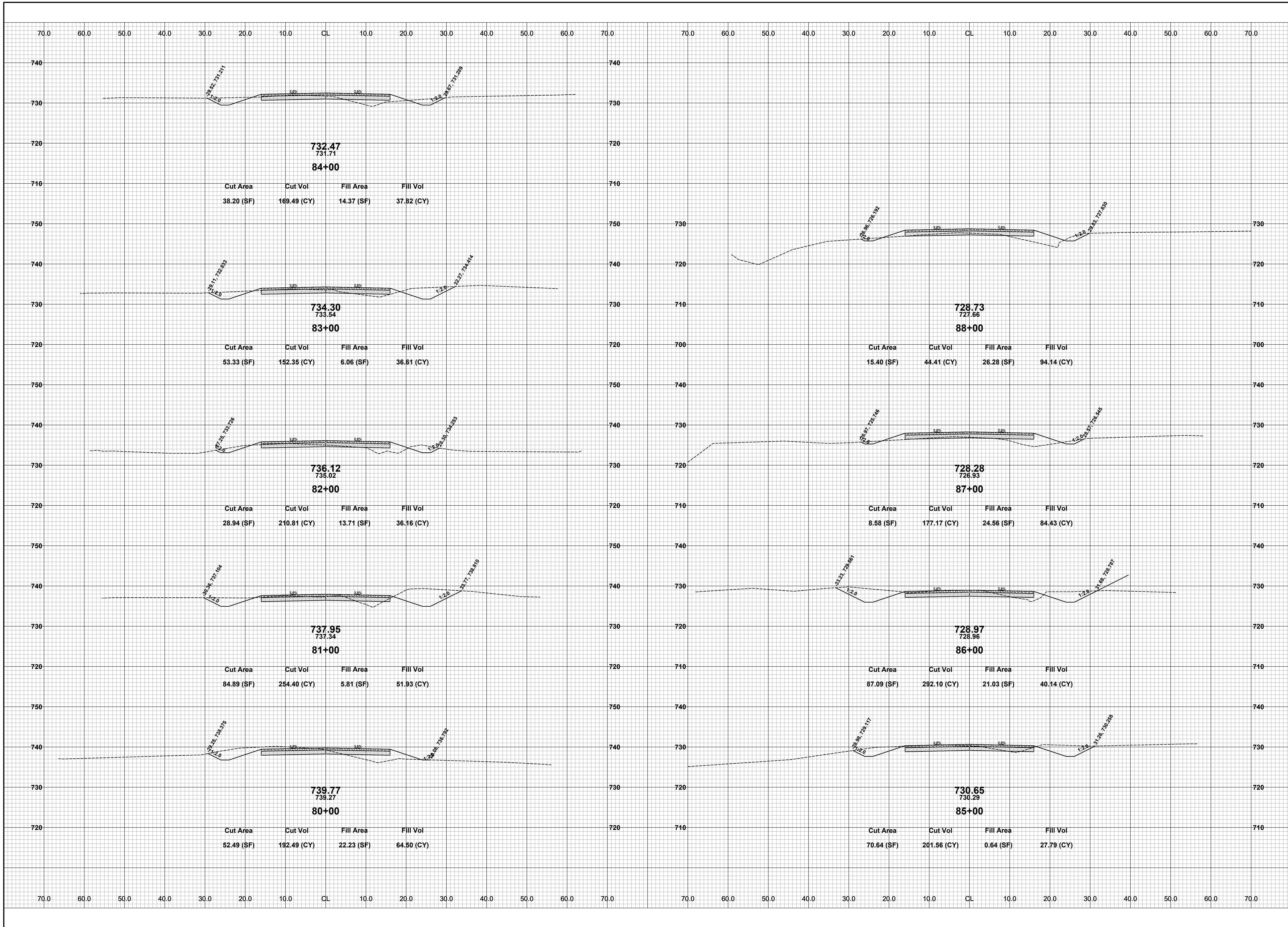


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125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET
CROSS SECTIONS - STA. 70+00 TO STA. 79+00

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

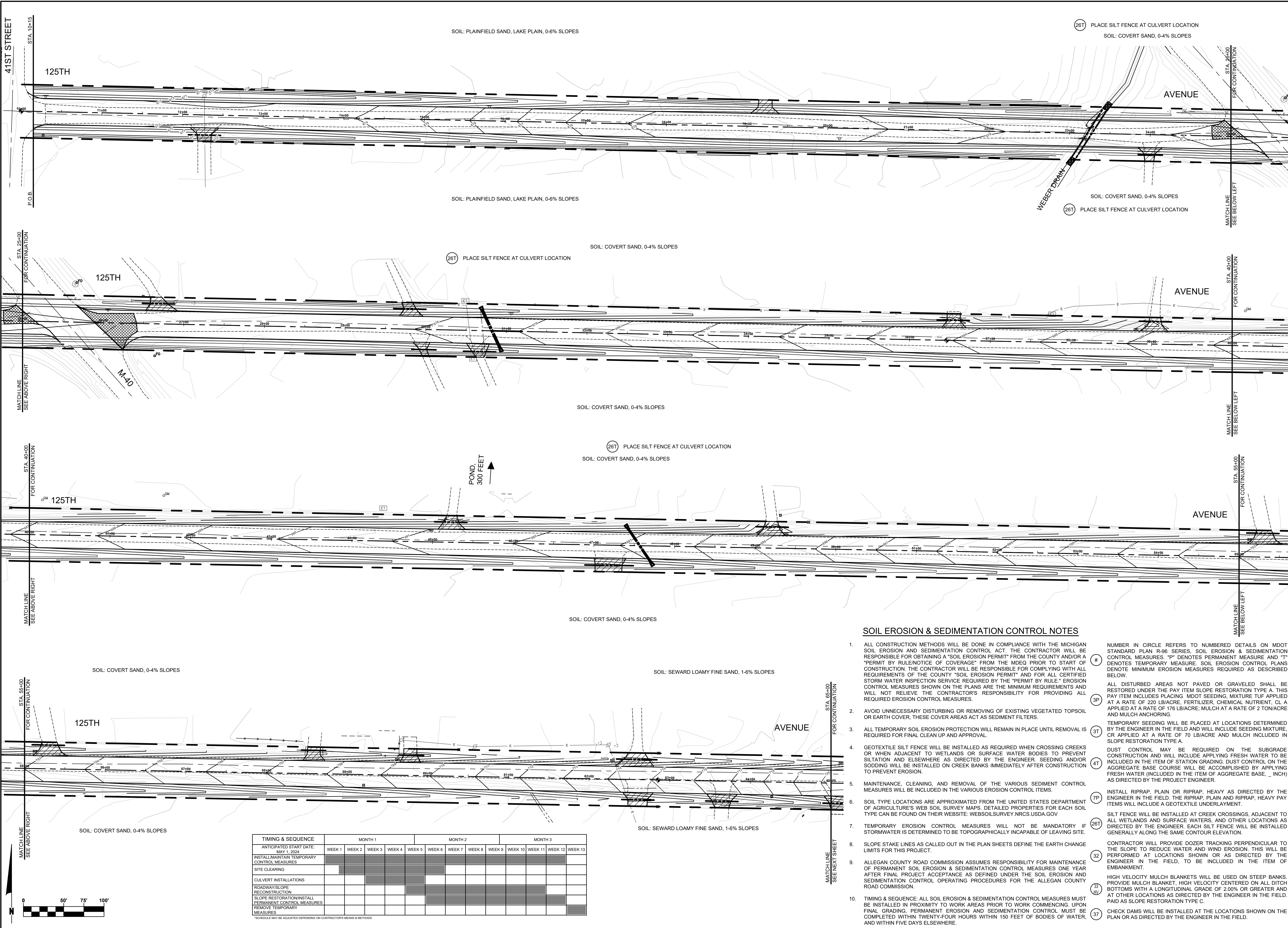


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125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET
CROSS SECTIONS - STA. 80+00 TO STA. 88+00

DRAWN BY: ACW
REVIEWED BY: RK
DATE: MAY 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: MAY 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 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
- 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.

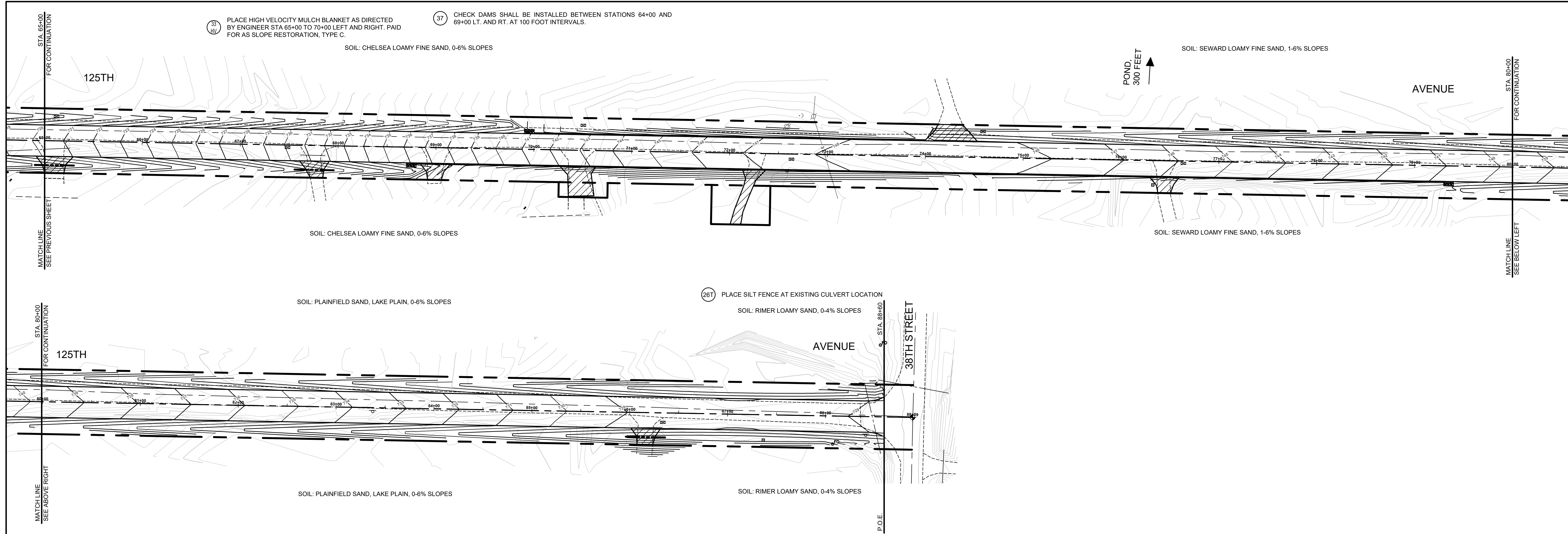
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125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET
SESC PLAN - P.O.B. TO STA. 65+00

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

LH 400131 19



36 PLACE HIGH VELOCITY MULCH BLANKET AS DIRECTED BY ENGINEER STA 65+00 TO 70+00 LEFT AND RIGHT. PAID FOR AS SLOPE RESTORATION, TYPE C.

37 CHECK DAMS SHALL BE INSTALLED BETWEEN STATIONS 64+00 AND 69+00 LT. AND RT. AT 100 FOOT INTERVALS.

SOIL: CHELSEA LOAMY FINE SAND, 0-6% SLOPES

SOIL: SEWARD LOAMY FINE SAND, 1-6% SLOPES

SOIL: CHELSEA LOAMY FINE SAND, 0-6% SLOPES

SOIL: SEWARD LOAMY FINE SAND, 1-6% SLOPES

SOIL: PLAINFIELD SAND, LAKE PLAIN, 0-6% SLOPES

26T PLACE SILT FENCE AT EXISTING CULVERT LOCATION

SOIL: RIMER LOAMY SAND, 0-4% SLOPES

SOIL: PLAINFIELD SAND, LAKE PLAIN, 0-6% SLOPES

SOIL: RIMER LOAMY SAND, 0-4% SLOPES

POND, 300 FEET

STA. 65+00 FOR CONTINUATION
MATCHLINE SEE PREVIOUS SHEET

STA. 80+00 FOR CONTINUATION
MATCHLINE SEE BELOW LEFT

STA. 80+00 FOR CONTINUATION
MATCHLINE SEE ABOVE RIGHT

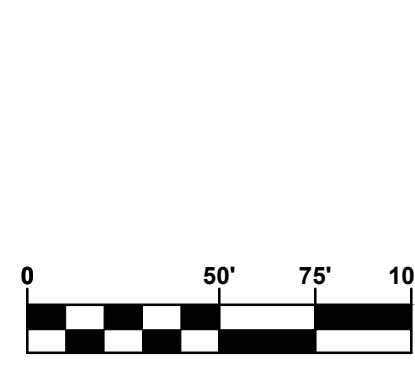
STA. 88+60
P.O.E.

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 IDEQ 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. REMOVAL IS REQUIRED FOR FINAL CLEAN UP AND APPROVAL.
 - 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
 - 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.
- 4 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, _ 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.
- 36 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.

TIMING & SEQUENCE	MONTH 1			MONTH 2					MONTH 3				
ANTICIPATED START DATE: MAY 1, 2024	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
INSTALL/MAINTAIN TEMPORARY CONTROL MEASURES													
SITE CLEARING													
CULVERT INSTALLATIONS													
ROADWAYS/SLOPE RECONSTRUCTION													
SLOPE RESTORATION/INSTALL PERMANENT CONTROL MEASURES													
REMOVE TEMPORARY MEASURES													

*SCHEDULE MAY BE ADJUSTED DEPENDING ON CONTRACTOR'S MEANS & METHODS



**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
1
2
3
4
5
6
7

125TH AVENUE RECONSTRUCTION PROJECT
HEATH TOWNSHIP - 41ST STREET TO 38TH STREET

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

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

LH 400131 20