

# ALLEGAN COUNTY ROAD COMMISSION

## 34TH STREET RECONSTRUCTION PROJECT 130TH AVENUE TO 132ND AVENUE MONTEREY TOWNSHIP

### UTILITY CONTACTS

**ELECTRIC**  
CONSUMERS ENERGY  
4000 CLAY AVE, SW  
GRAND RAPIDS, MI 49548  
616-530-4185  
MS. KYLEE MAYCROFT  
grvimp@cmsenergy.com

**GREAT LAKES ENERGY**  
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WAYLAND, MI 49348  
269-792-0532  
MR. JEFF HICKS  
jhicks@glenergy.com

**TELEPHONE**  
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GRAND RAPIDS, MI 49508  
616-246-7302  
MR. CHAD VANTIL  
cv1519@att.com

**GAS TRANSMISSION**  
CONSUMERS ENERGY  
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KALAMAZOO, MI 49001  
989-574-7538  
MR. KEVIN COUTURIER  
kevin.couturier@cmsenergy.com

\*MISS DIG\* 811

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

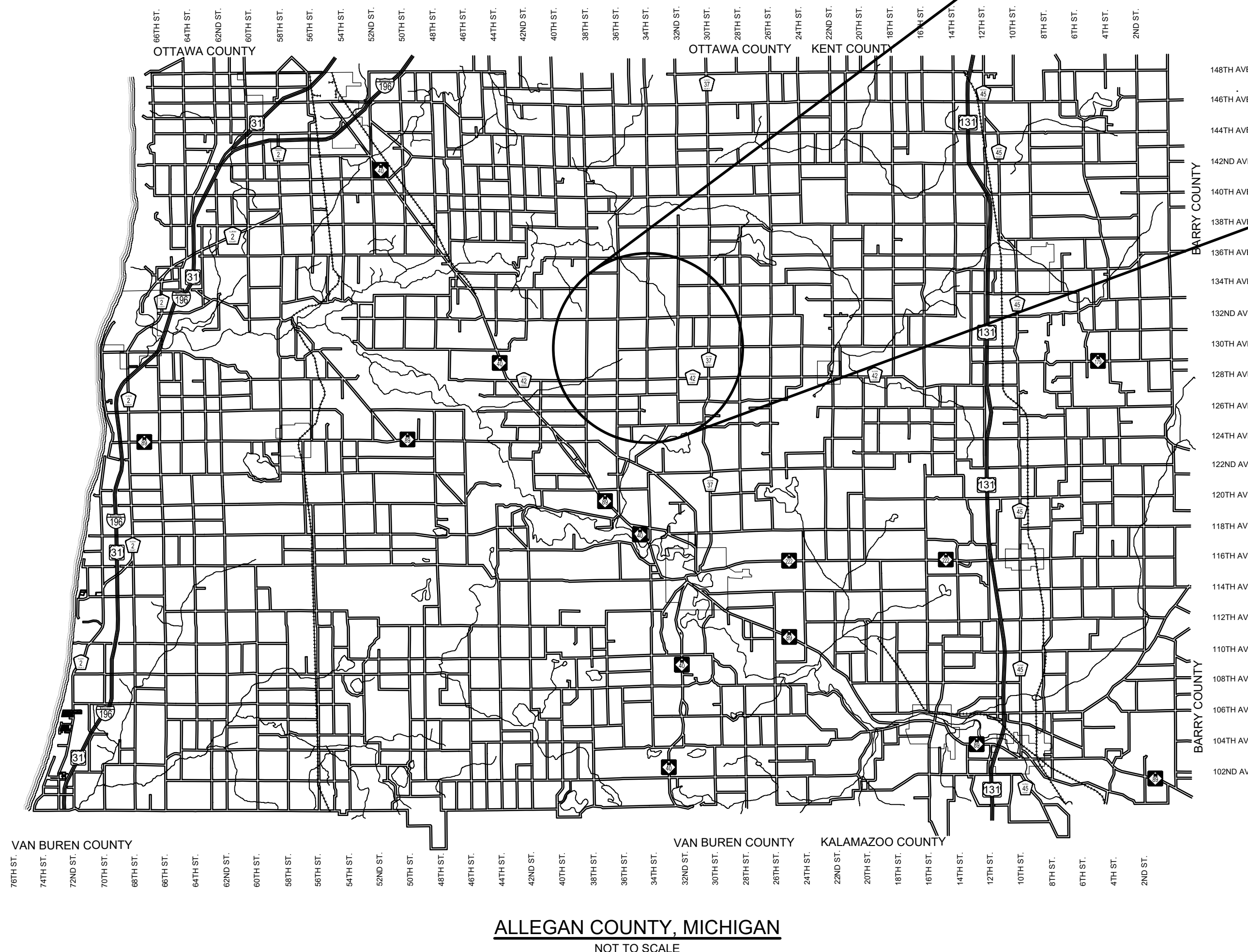
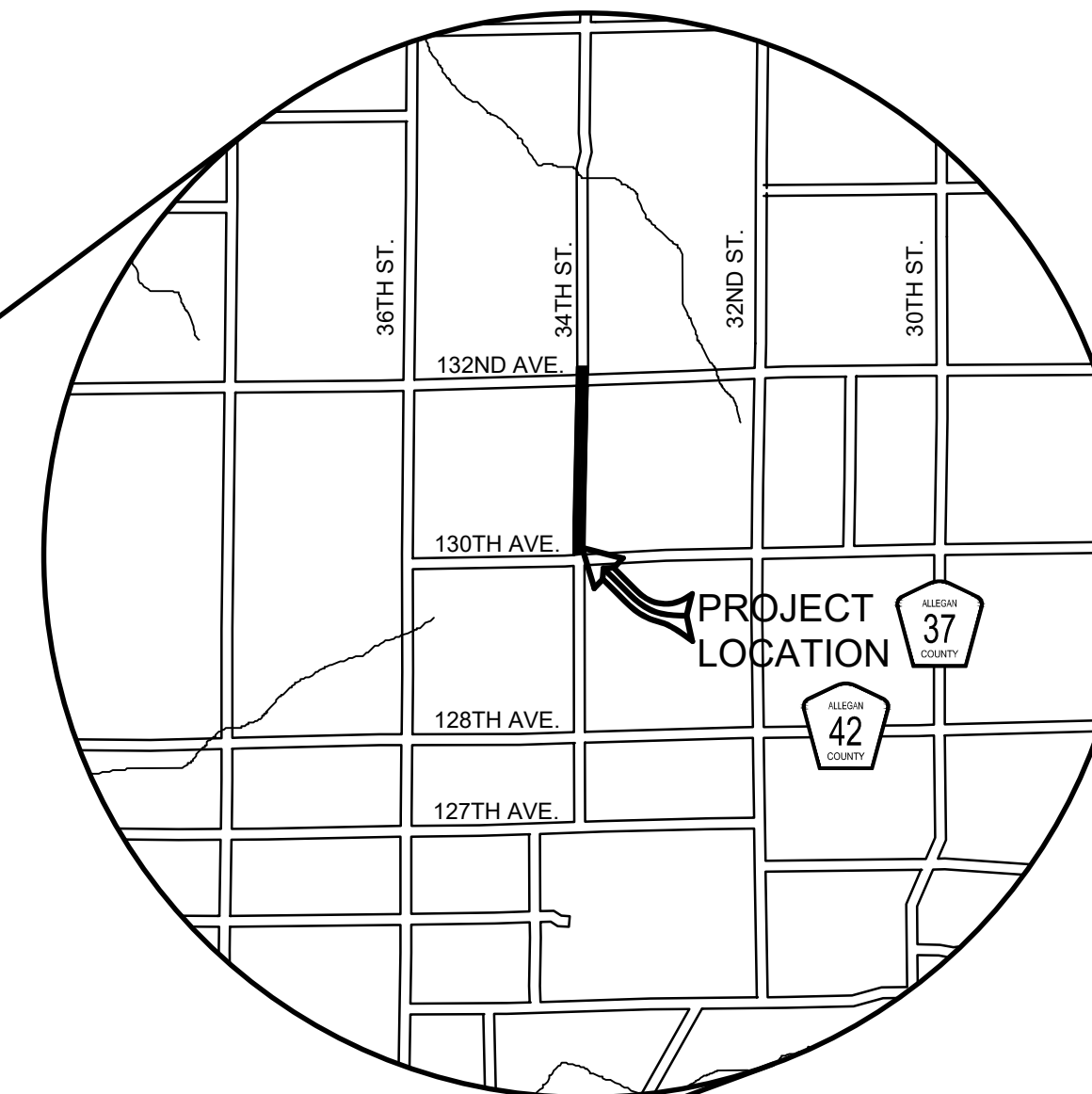
1308 LINCOLN ROAD  
ALLEGAN, MICHIGAN 49010-9762  
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EXCEPT WHERE OTHERWISE INDICATED ON THESE PLANS OR IN THE PROPOSAL AND SUPPLEMENTAL SPECIFICATIONS CONTAINED THEREIN, ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE 2012 MICHIGAN DEPARTMENT 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.



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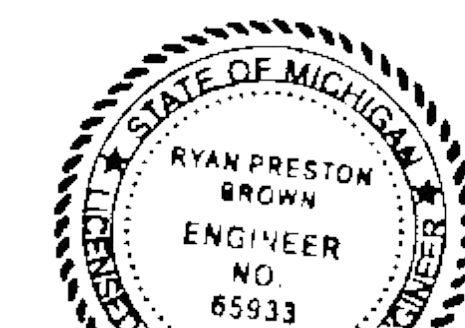
**34TH STREET RECONSTRUCTION PROJECT**  
MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE

COVER SHEET

### CONTRACT FOR ROAD IMPROVEMENTS

1.05 MILES OF ROADWAY RECONSTRUCTION INCLUDING CLEARING, GRADE ESTABLISHMENT, SAND SUBBASE, AGGREGATE BASE, CULVERT REPLACEMENTS, AND RESTORATION ON 34TH STREET FROM 130TH AVENUE TO 132ND AVENUE IN MONTEREY TOWNSHIP, ALLEGAN COUNTY.

PREPARED UNDER THE SUPERVISION OF:

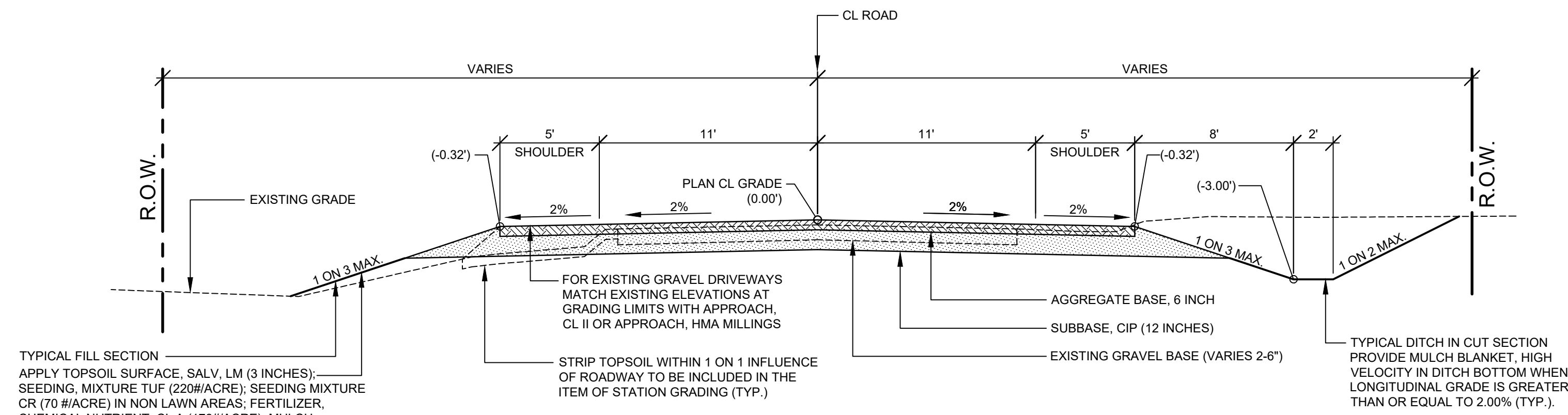


*Ryan P. Brown*

RYAN P. BROWN  
REGISTERED PROFESSIONAL ENGINEER No. 65933

DRAWN BY: RPB  
REVIEWED BY:  
DATE: APRIL, 2020  
SCALE: NONE

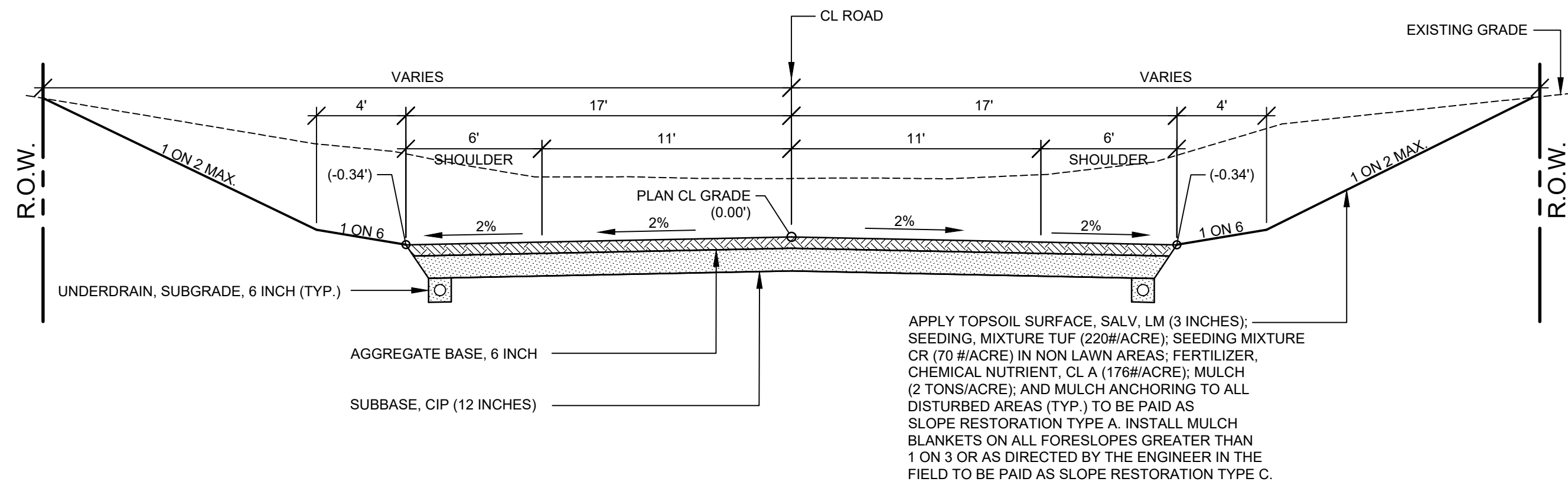
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TYPICAL FILL SECTION  
 APPLY TOPSOIL SURFACE, SALV, LM (3 INCHES); SEEDING, MIXTURE TUF (220#/ACRE); SEEDING MIXTURE CR (70 #/ACRE) IN NON LAWN AREAS; FERTILIZER, CHEMICAL NUTRIENT, CL A (176#/ACRE); MULCH (2 TONS/ACRE); AND MULCH ANCHORING TO ALL 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 - 34TH STREET**

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. 18+75 TO 22+70 RIGHT ONLY  
 STA. 28+25 TO 32+15 LEFT AND RIGHT  
 STA. 35+50 TO 37+50 LEFT ONLY

**PROJECT NOTES**

THE "2012 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 19, 2019. 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 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. CONSUMERS GAS TRANSMISSION WILL BE PLACING A CONCRETE CAP BETWEEN THEIR TRANSMISSION LINE AND THE SUBBASE OF THE ROAD. COORDINATION WITH CONSUMERS GAS TRANSMISSION WILL BE NECESSARY.

CONSUMERS ELECTRIC RELOCATED POLE AT STA. 11+66 TO R/W.

AT&T WILL BE RELOCATING FROM P.O.B. TO 30+40. ANTICIPATED COMPLETION IN JUNE.

**MISCELLANEOUS QUANTITIES**

DESCRIPTION	QUANTITY	UNIT
SUBGRADE UNDERCUTTING, TYPE II	500	CYD
AGGREGATE, 6A	50	TON
GEOTEXTILE STABILIZATION	1,000	SYD
RIPRAP, PLAIN	45	SYD
EROSION CONTROL, SILT FENCE	300	FT
EROSION CONTROL, CHECK DAM	450	FT
APPROACH, CL II	30	TON
CULV, CL E, CONC, 18 INCH	40	FT
CULV END SECT, CONC, 18 INCH	2	EA
CULV, CL F, 12 INCH	80	FT
CULV, CL F, 18 INCH	40	FT

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 ALLEGAN, MICHIGAN 49010-9762  
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REVISIONS	1	2	3	4	5	6	7

**34TH STREET RECONSTRUCTION PROJECT**  
 MONTEREY TOWNSHIP - 130TH AVENUE TO A32ND AVENUE

TYPICAL SECTIONS, DETAILS, & NOTES

DRAWN BY: RPB  
 REVIEWED BY: JSE  
 DATE: APRIL, 2020  
 SCALE: AS NOTED

**SOIL BORINGS**

SB #1	0 - 6"	BROWN MEDIUM SAND AND FINE TO COARSE GRAVEL
	6" - 18"	BROWN FINE TO MEDIUM SAND
	18" - 30"	DARK BROWN FINE TO MEDIUM SAND
	30" - 60"	BROWN VERY SANDY CLAY
	60"	END OF BORING
SB #2	0 - 3"	GRAVEL
	3" - 60"	BROWN VERY SAND CLAY & FINE TO COARSE GRAVEL
	60"	END OF BORING

10+35 36" TREE 33.3'  
10+51 BUILDING HOUSE 66.9'  
10+74 WELL 47.8'  
10+77 BUSH 32.5'  
10+89 BUSH 29.9'  
11+02 BUILDING 67.5'  
11+27 POWER POLE 25.0'  
11+29 POWER POLE 28.6'  
REMOVE - 11+45 24" MAPLE 18.7'

12+57 POWER POLE 33.7'  
12+57 GUY WIRE 45.0'  
12+58 BM PP E SIDE 33.4'

RELOCATE - 13+33 FENCE WIRE 15.4'  
13+33 FENCE 3' 41.0'

RELOCATE - 14+06 FENCE WIRE 14.8'  
14+06 FENCE WIRE 36.6'

RELOCATE - 14+80 GP WOOD FENCE 1' DIA 13.9'

19+62 POWER POLE 33.7'

REMOVE - 17+33 48" OAK 25.9'

REMOVE - 17+62 27" TREE 7.8'

REMOVE - 17+85 15" TREE 7.8'

REMOVE - 17+99 15" TREE 6.6'

REMOVE - 18+03 15" TREE 9.0'

REMOVE - 18+21 9" TREE 8.7'

REMOVE - 18+32 9" TREE 6.7'

REMOVE - 18+36 9" TREE 6.2'

REMOVE - 18+56 21" OAK 8.5'

REMOVE - 18+63 15" TREE 8.6'

REMOVE - 18+69 BM PP E SIDE 32.4'

REMOVE - 18+69 POWER POLE 32.6'

REMOVE - 18+86 8" OAK 15.2'

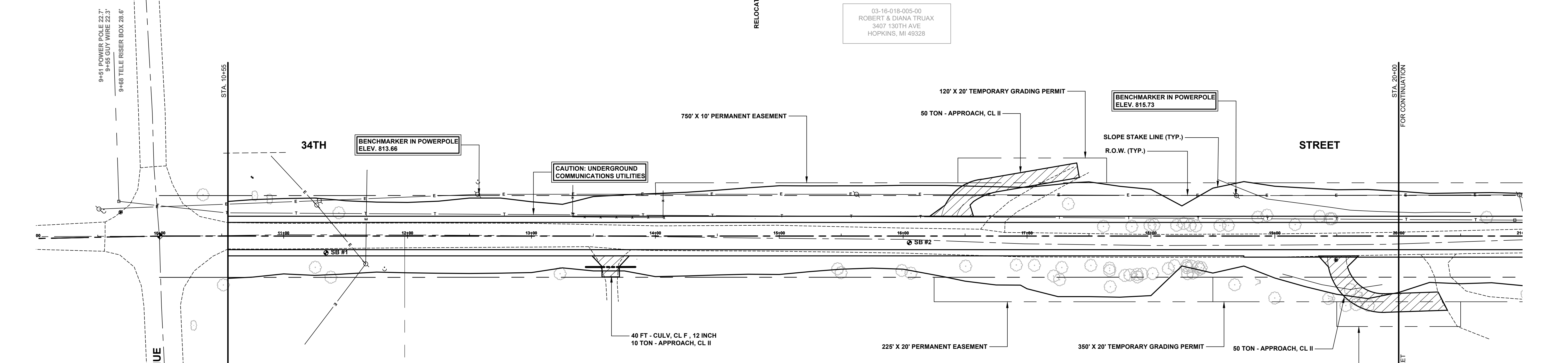
REMOVE - 18+94 8" OAK 16.8'

REMOVE - 18+16 18" OAK 9.3'

REMOVE - 19+36 15" OAK 15.8'

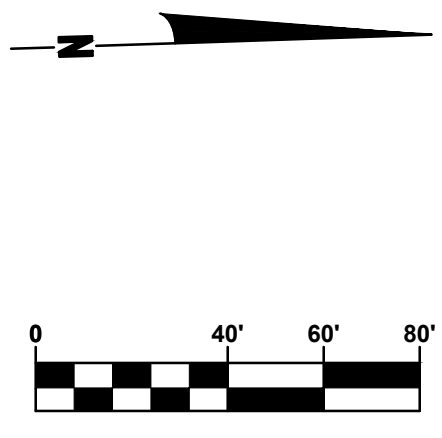
REMOVE - 19+45 12" OAK 13.9'

REMOVE - 19+46 12" OAK 13.9'



03-16-017-011-00  
ROGER KAMPS  
3391 130TH AVE  
HOPKINS, MI 49328

03-16-017-010-00  
JOHN & JAN WILSON  
3095 34TH ST  
HOPKINS, MI 49328



10+27 BUSH 72.1'  
10+51 15" MAPLE 39.4'  
11+25 54" OAK 25.3' - REMOVE  
11+38 42" OAK 33.3' - REMOVE  
11+66 POWER POLE 22.4' - RELOCATE BY OTHERS  
11+81 GUY WIRE 26.2' - RELOCATE BY OTHERS  
13+23 6" OAK 30.4' - REMOVE  
13+85 GP WOOD FENCE 1' DIA 18.7'

15+47 6" TREE 26.5' - REMOVE  
15+50 6" TREE 29.6' - REMOVE

15+89 12" CHERRY 27.9' - REMOVE  
16+06 6" CHERRY 30.0' - REMOVE

16+50 6" MAPLE 24.3' - REMOVE

16+91 15" TREE 23.4' - REMOVE  
17+08 9" TREE 23.7' - REMOVE

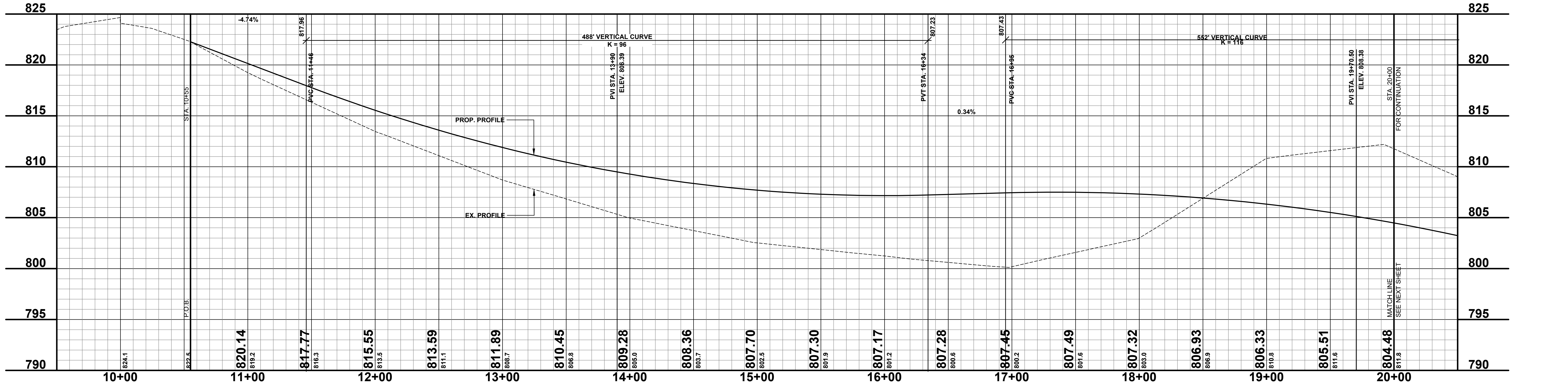
17+21 15" TREE 32.3' - REMOVE  
17+26 15" TREE 35.2'  
17+28 15" TREE 25.4' - REMOVE

17+51 18" DEAD TREE 23.7' - REMOVE  
17+67 12" TREE 25.9' - REMOVE  
17+67 12" TREE 27.9' - REMOVE  
17+79 12" TREE 31.8' - REMOVE  
17+83 12" TREE 31.4' - REMOVE  
17+89 12" TREE 33.0' - REMOVE  
17+93 12" TREE 30.7' - REMOVE  
18+01 12" TREE 30.3' - REMOVE  
18+01 12" TREE 23.5' - REMOVE  
18+19 6" TREE 23.5' - REMOVE  
18+29 6" TREE 23.8' - REMOVE  
18+30 6" TREE 25.6' - REMOVE  
18+30 6" TREE 30.4' - REMOVE  
18+34 6" TREE 29.9' - REMOVE  
18+38 6" TREE 25.0' - REMOVE  
18+41 6" TREE 25.6' - REMOVE  
18+41 6" TREE 25.6' - REMOVE  
18+68 36" OAK 39.3'

18+86 12" STUMP 36.5' - REMOVE  
18+99 33" OAK 50.0'

19+43 18" OAK 50.4'  
19+45 15" STUMP 50.6' - REMOVE  
19+57 36" OAK 55.1' - REMOVE  
19+61 12" OAK 43.3' - REMOVE  
19+69 15" STUMP 46.4' - REMOVE  
19+76 9" OAK 55.9' - 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; 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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**34TH STREET RECONSTRUCTION PROJECT**  
MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE  
PLAN & PROFILE - P.O.B. TO STA. 20+00

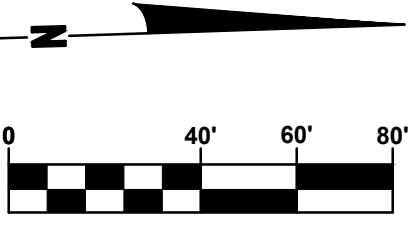
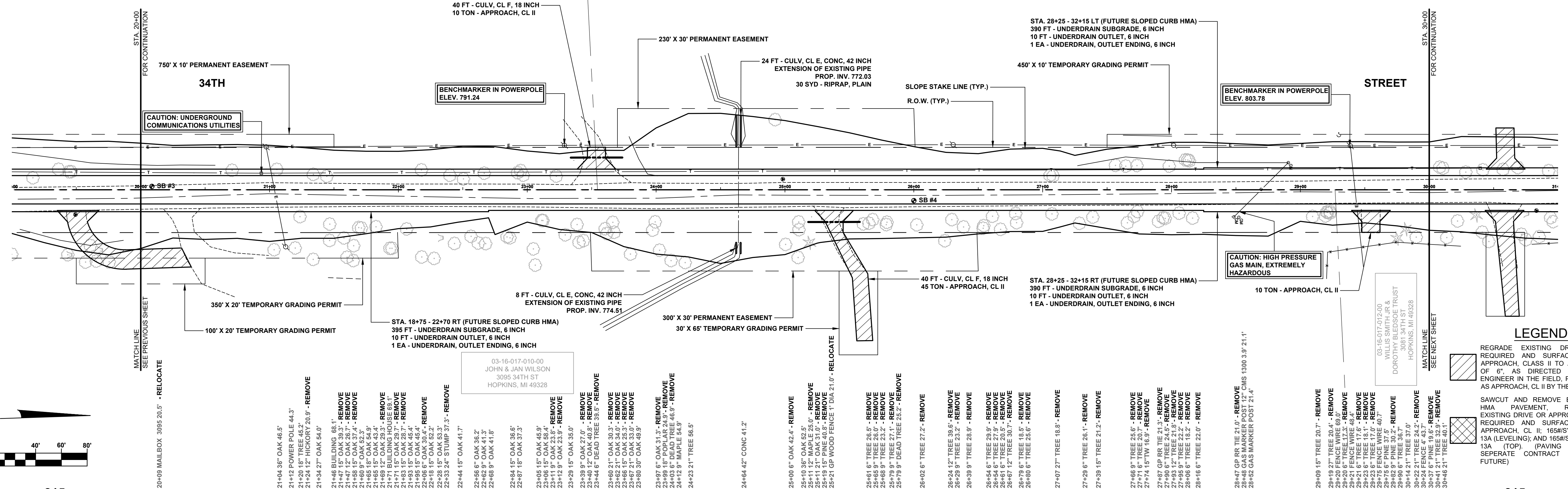
DRAWN BY: RPB  
REVIEWED BY: JSE  
DATE: APRIL, 2020  
SCALE: 1"= 40'H, 5V

- SOIL BORINGS**
- SB #3  
 0 - 5" BROWN MEDIUM SAND AND FINE TO COARSE GRAVEL  
 5" - 96" LIGHT BROWN FINE SAND END OF BORING
- SB #4  
 0 - 24" GRAVEL DARK BROWN FINE TO MEDIUM SAND, SLIGHTLY CLAYEY  
 24" - 36" BROWN FINE TO MEDIUM SAND  
 36" - 60" BROWN FINE TO MEDIUM SAND  
 60" END OF BORING

REMOVE - 20+41 GP RR TIE 13.0'  
 REMOVE - 20+71 24" OAK 15.0'  
 RELOCATE BY OTHERS - 20+54 TELE RISER BOX 13.9'  
 20+57 POWER POLE 33.3'  
 REMOVE - 21+06 15" OAK 15.8'  
 REMOVE - 21+34 21" OAK 11.9'  
 REMOVE - 21+44 12" TREE 10.4'  
 REMOVE - 22+18 12" TREE 15.4'  
 REMOVE - 22+40 18" TREE 11.2'  
 REMOVE - 22+50 15" TREE 8.4'  
 REMOVE - 22+67 15" TREE 12.8'  
 REMOVE - 22+92 9" TREE 13.2'  
 REMOVE - 22+97 9" TREE 11.3'  
 REMOVE - 23+26 6" TREE 10.6'  
 23+29 BM PIPE SIDE 33.9'  
 REMOVE - 23+36 GP RR TIE 22.7'  
 REMOVE - 24+39 6" TREE 54.3'  
 26+31 POWER POLE 34.9'

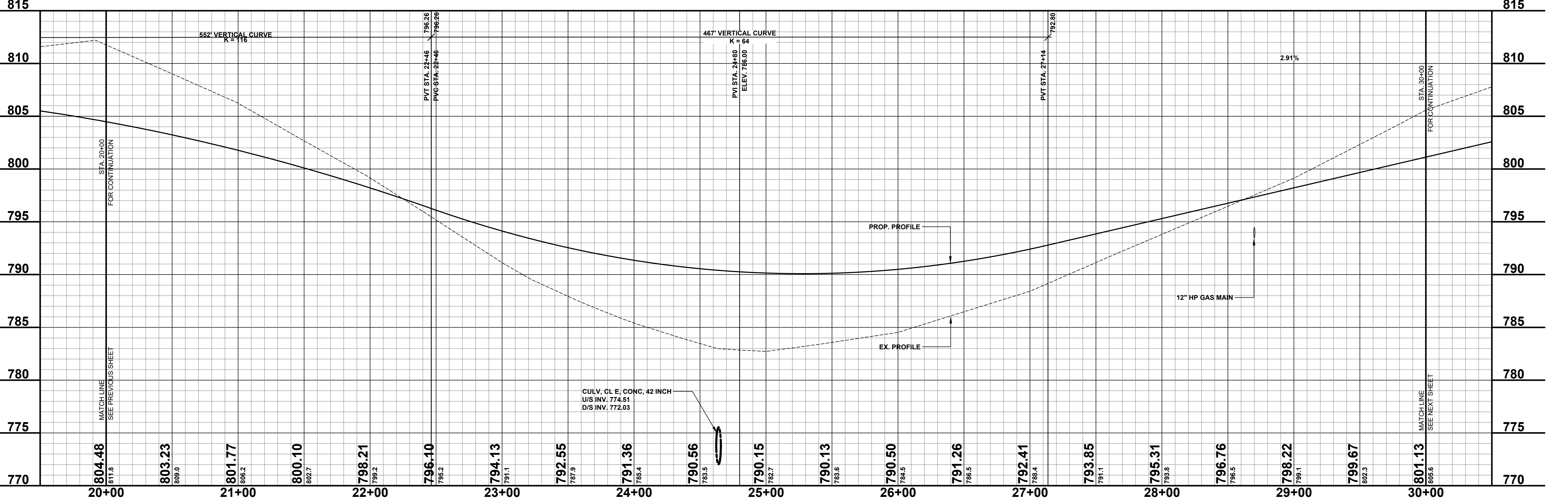
03-16-018-004-00  
 ROBERT & DIANA TRUAX  
 3407 130TH AVE  
 HOPKINS, MI 49328

03-16-018-004-00  
 J A DEVLAND LLC  
 200 CHICAGO DR  
 WYOMING, MI 49519



- 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)

- 21+04 38" OAK 46.5'  
 21+12 POWER POLE 44.3'  
 21+20 12" HICKORY 20.9' - REMOVE  
 21+34 27" OAK 54.0'  
 21+46 BUILDING 68.1'  
 21+47 15" OAK 33.3' - REMOVE  
 21+55 15" OAK 37.4' - REMOVE  
 21+60 9" OAK 52.3'  
 21+65 15" OAK 43.9'  
 21+89 12" OAK 29.3' - REMOVE  
 21+71 BUILDING HOUSE 63.3'  
 21+83 15" OAK 45.4'  
 21+85 15" OAK 38.7' - REMOVE  
 22+06 6" OAK 30.4' - REMOVE  
 22+18 15" OAK 52.2'  
 22+28 15" OAK 53.3'  
 22+33 24" STUMP 37.3' - REMOVE  
 22+44 15" OAK 41.7'  
 22+56 6" OAK 38.2'  
 22+58 9" OAK 41.8'  
 22+84 15" OAK 36.6'  
 22+87 18" OAK 37.3'  
 23+05 15" OAK 45.9'  
 23+06 15" OAK 59.4'  
 23+11 15" OAK 41.1'  
 23+12 9" OAK 23.9' - REMOVE  
 23+29 9" OAK 37.0' - REMOVE  
 23+40 12" OAK 40.9' - REMOVE  
 23+44 6" DEAD TREE 39.5' - REMOVE  
 23+60 21" OAK 30.3' - REMOVE  
 23+62 21" OAK 34.0' - REMOVE  
 23+66 15" OAK 25.3' - REMOVE  
 23+70 15" OAK 48.9' - REMOVE  
 23+80 30" OAK 49.9'  
 23+97 6" OAK 31.3' - REMOVE  
 23+99 18" POPLAR 24.9' - REMOVE  
 24+03 6" DEAD TREE 46.9' - REMOVE  
 24+12 9" HICKORY 54.3'  
 24+23 21" TREE 56.5'  
 24+64 42" CONC 41.2'  
 25+00 6" OAK 42.4' - REMOVE  
 25+10 36" OAK 52.5'  
 25+11 12" MAPLE 26.0' - REMOVE  
 25+19 15" PINE 40.9' - REMOVE  
 25+21 6P WOOD FENCE 1" DIA 21.0' - RELOCATE  
 25+61 6" TREE 26.5' - REMOVE  
 25+65 9" TREE 23.2' - REMOVE  
 25+79 9" TREE 27.1' - REMOVE  
 25+79 9" DEAD TREE 25.2' - REMOVE  
 26+02 6" TREE 27.2' - REMOVE  
 26+24 12" TREE 39.6' - REMOVE  
 26+29 9" TREE 23.2' - REMOVE  
 26+39 9" TREE 28.9' - REMOVE  
 26+54 6" TREE 29.9' - REMOVE  
 26+54 6" TREE 27.9' - REMOVE  
 26+57 12" TREE 30.7' - REMOVE  
 26+79 6" TREE 18.5' - REMOVE  
 26+80 6" TREE 25.6' - REMOVE  
 27+07 27" TREE 18.8' - REMOVE  
 27+29 6" TREE 26.1' - REMOVE  
 27+39 15" TREE 21.2' - REMOVE  
 27+66 9" TREE 26.6' - REMOVE  
 27+66 9" TREE 26.6' - REMOVE  
 27+74 6" TREE 16.9' - REMOVE  
 27+80 6" TREE 24.3' - REMOVE  
 27+83 12" TREE 21.8' - REMOVE  
 27+85 9" TREE 42.2' - REMOVE  
 28+06 6" TREE 16.2' - REMOVE  
 28+16 6" TREE 22.0' - REMOVE  
 28+47 GP RR TIE 21.0' - REMOVE  
 28+48 GAS MARKER POST 12" CMS 1300 3.9' 21.1'  
 28+52 GAS MARKER POST 21.4'  
 28+09 15" TREE 20.7' - REMOVE  
 28+19 27" TREE 20.4' - REMOVE  
 28+20 FENCE WIRE 69.0' - REMOVE  
 28+21 FENCE WIRE 46.3' - REMOVE  
 28+21 6" TREE 17.6' - REMOVE  
 28+23 6" TREE 18.1' - REMOVE  
 28+25 6" FENCE WIRE 40.7' - REMOVE  
 28+30 6" TREE 36.7' - REMOVE  
 30+14 21" TREE 37.0' - REMOVE  
 30+22 21" TREE 24.2' - REMOVE  
 30+24 FENCE WIRE 19.6' - REMOVE  
 30+41 21" TREE 32.9' - REMOVE  
 30+46 21" TREE 40.1' - REMOVE



**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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**34TH STREET RECONSTRUCTION PROJECT**  
 MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE  
 PLAN & PROFILE - STA. 20+00 TO STA. 30+00

DRAWN BY: RPB  
 REVIEWED BY: JSE  
 DATE: APRIL, 2020  
 SCALE: 1"= 40'H, 5V

**SOIL BORINGS**

SB #5	0 - 5"	BROWN MEDIUM SAND AND FINE TO COARSE GRAVEL
	5 - 60"	LIGHT BROWN FINE SAND
	60 - 96"	BROWN CLAYEY FINE TO MEDIUM SAND, FINE TO COARSE GRAVEL
	96"	END OF BORING
SB #6	0 - 4"	GRAVEL
	4 - 38"	DARK BROWN FINE SAND
	38 - 96"	LIGHT BROWN FINE SAND
	96"	END OF BORING

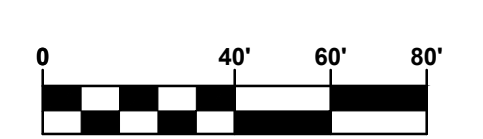
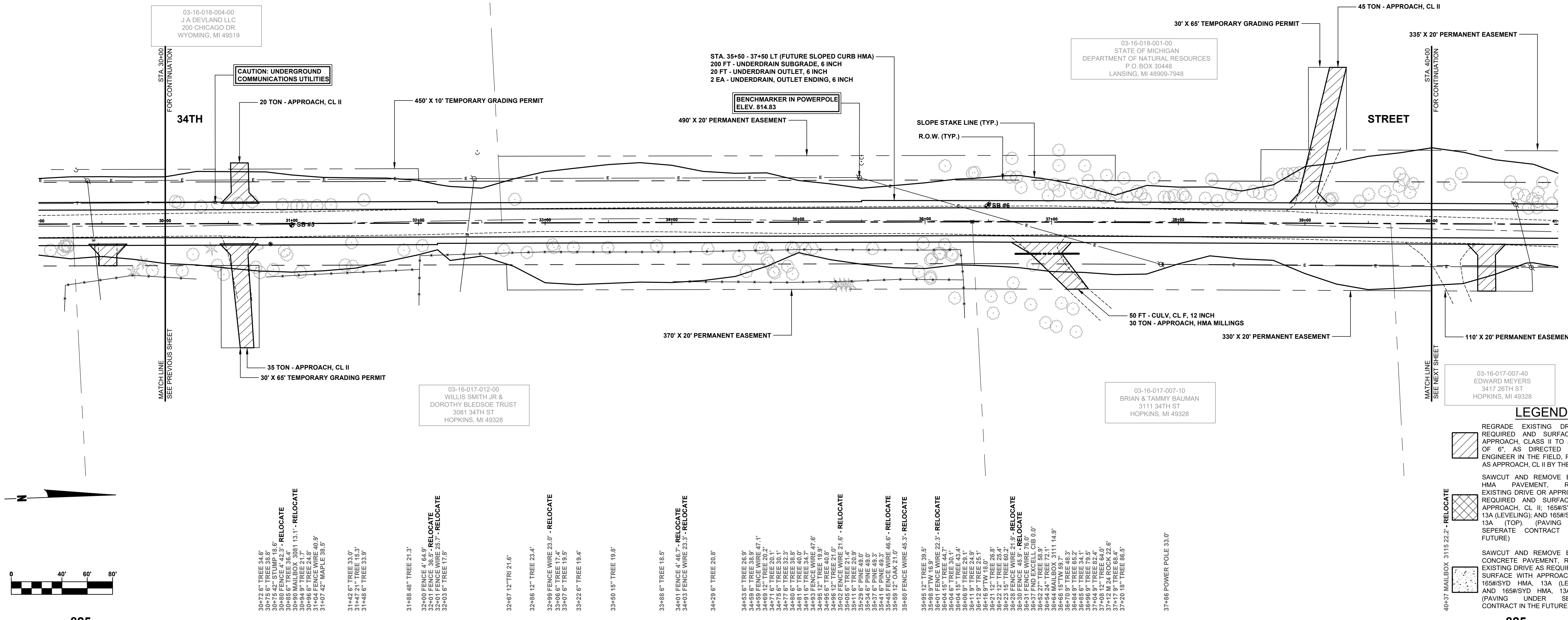
- REMOVE - 30+57 15" TREE 15.9'
- REMOVE - 30+69 12" TREE 17.1'
- REMOVE - 30+93 12" TREE 14.7'
- REMOVE - 31+04 9" TREE 14.1'
- REMOVE - 31+09 9" TREE 14.0'
- REMOVE - 31+20 9" TREE 14.0'
- REMOVE - 31+31 27" TREE 14.6'
- REMOVE - 31+57 6" TREE 18.4'

- 32+44 FENCE POLE 55.1'
- 32+47 GUY WIRE 57.0'
- REMOVE - 32+76 15" TW 18.6'

- 35+48 BM PP E SIDE 34.6'
- 35+48 POWER POLE 35.1'
- 35+51 GUY WIRE 52.4'
- 35+50 GUY WIRE 52.4'
- 36+16 6" TREE 44.2'
- 36+37 9" TREE 38.5'
- 36+39 9" TREE 38.9'

- REMOVE - 36+57 6" TREE 35.4'
- REMOVE - 36+58 6" TREE 35.3'
- REMOVE - 36+76 6" TREE 27.3'
- REMOVE - 36+91 6" TREE 30.4'
- REMOVE - 36+97 6" TREE 28.8'
- REMOVE - 37+06 6" TREE 28.7'
- REMOVE - 37+08 6" TREE 28.7'
- REMOVE - 37+16 6" TREE 28.9'
- REMOVE - 37+20 6" TREE 29.9'
- REMOVE - 37+25 6" TREE 29.9'
- REMOVE - 37+30 6" TREE 29.6'
- REMOVE - 37+34 6" TREE 19.9'
- REMOVE - 37+41 6" TREE 19.9'
- REMOVE - 37+45 6" TREE 21.7'
- REMOVE - 37+48 6" TREE 21.7'
- REMOVE - 37+52 6" TREE 23.0'
- REMOVE - 37+56 6" TREE 34.9'
- REMOVE - 37+58 6" TREE 24.9'
- REMOVE - 37+60 6" TREE 24.9'
- REMOVE - 37+74 6" TREE 18.9'
- REMOVE - 37+77 6" TREE 22.5'
- REMOVE - 37+80 6" TREE 20.1'
- REMOVE - 37+84 6" TREE 22.2'
- REMOVE - 37+86 6" TREE 22.2'
- REMOVE - 37+91 6" TREE 19.3'
- REMOVE - 37+94 6" TREE 19.3'
- REMOVE - 38+01 6" TREE 21.6'
- REMOVE - 38+03 6" TREE 21.6'
- REMOVE - 38+05 6" TREE 24.8'
- REMOVE - 38+08 6" TREE 24.8'
- REMOVE - 38+14 6" TREE 23.6'
- REMOVE - 38+17 6" TREE 30.9'
- REMOVE - 38+20 6" TREE 30.9'
- REMOVE - 38+22 6" TREE 35.5'
- REMOVE - 38+26 6" TREE 38.7'
- REMOVE - 38+31 6" TREE 38.7'
- REMOVE - 38+36 6" TREE 38.7'
- REMOVE - 38+42 6" TREE 39.7'
- REMOVE - 38+49 6" TREE 39.7'

- REMOVE - 38+19 9" TREE 19.0'
- REMOVE - 38+20 9" TREE 18.0'
- REMOVE - 38+22 9" TREE 19.6'
- REMOVE - 38+43 9" TREE 17.5'
- REMOVE - 38+50 9" TREE 23.1'
- REMOVE - 38+63 6" TREE 25.3'
- REMOVE - 38+69 6" TREE 17.8'
- REMOVE - 38+72 6" TREE 35.5'
- REMOVE - 38+76 6" TREE 34.6'
- REMOVE - 38+81 6" TREE 34.6'
- REMOVE - 38+86 6" TREE 31.5'
- REMOVE - 40+14 6" TREE 31.0'
- 40+23 6" TREE 38.7'



- 30+72 6" TREE 34.6'
- 30+75 6" TREE 38.8'
- 30+76 FENCE WIRE 56.6'
- 30+85 FENCE WIRE 62.1'
- RELOCATE
- 30+80 MAILBOX 3081 13.1' - RELOCATE
- 30+85 6" TREE 36.4'
- 30+86 6" TREE 24.8'
- 30+86 6" TREE 24.8'
- 31+04 FENCE WIRE 40.9'
- 31+07 42" MAPLE 38.5'

- 31+42 6" TREE 33.0'
- 31+47 21" TREE 15.3'
- 31+48 6" TREE 33.3'

- 31+88 48" TREE 21.3'

- 32+00 FENCE 4' 64.9'
- 32+01 FENCE 36.5' - RELOCATE
- 32+01 FENCE WIRE 25.7' - RELOCATE
- 32+03 9" TREE 17.9'

- 32+67 12" TRI 21.6'

- 32+86 12" TREE 23.4'

- 32+99 FENCE WIRE 23.0' - RELOCATE
- 33+06 6" TREE 17.4'
- 33+07 5" TREE 19.5'
- 33+22 6" TREE 19.4'

- 33+50 15" TREE 19.8'

- 33+88 6" TREE 18.5'
- 34+01 FENCE 4' 46.7' - RELOCATE
- 34+03 FENCE WIRE 20.3' - RELOCATE

- 34+29 6" TREE 20.8'

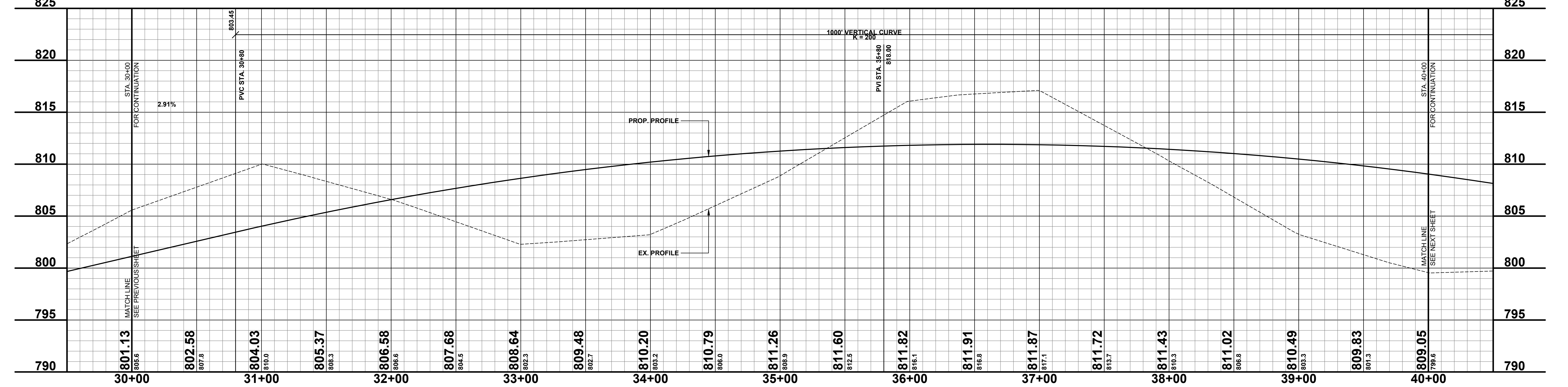
- 34+53 6" TREE 46.9'
- 34+56 6" TREE 38.9'
- 34+59 FENCE WIRE 47.1'
- 34+59 12" TREE 20.2'
- 34+59 12" TREE 20.2'
- 34+75 6" TREE 30.1'
- 34+77 6" TREE 32.3'
- 34+80 6" TREE 40.0'
- 34+80 6" TREE 40.0'
- 34+91 6" TREE 34.7'
- 34+93 FENCE WIRE 47.6'
- 34+95 6" TREE 40.8'
- 34+95 6" TREE 40.8'
- 34+96 12" TREE 21.0'
- 35+05 6" TREE 21.6'
- RELOCATE
- 35+11 6" TREE 20.9'
- 35+29 5" PINE 49.0'
- 35+37 5" PINE 49.3'
- 35+41 5" PINE 49.3'
- 35+49 12" OAK 21.0'
- 35+50 FENCE WIRE 45.3' - RELOCATE

- 35+85 12" TREE 39.5'
- 35+88 9" TW 16.3'
- 36+01 FENCE WIRE 22.3' - RELOCATE
- 36+04 5" TREE 30.1'
- 36+04 15" TREE 43.4'
- 36+12 9" TREE 24.5'
- 36+12 9" TREE 25.1'
- 36+16 9" TW 18.0' 26.8'
- 36+22 12" TREE 25.4'
- 36+23 15" TREE 60.2'
- 36+24 12" TREE 22.1'
- 36+30 FENCE 48.3' - RELOCATE
- 36+31 FENCE WIRE 76.0'
- 36+37 FND EXCELL CIB 0.0'
- 36+44 MAILBOX 3111 14.9'
- 36+54 24" TREE 72.1'
- 36+70 9" TREE 68.3'
- 36+84 9" TREE 65.2'
- 36+85 6" TREE 34.1'
- 37+04 9" TREE 82.4'
- 37+08 12" TREE 64.0'
- 37+17 8" TREE 68.42' 6'
- 37+20 18" TREE 86.5'

- 37+86 POWER POLE 53.0'

**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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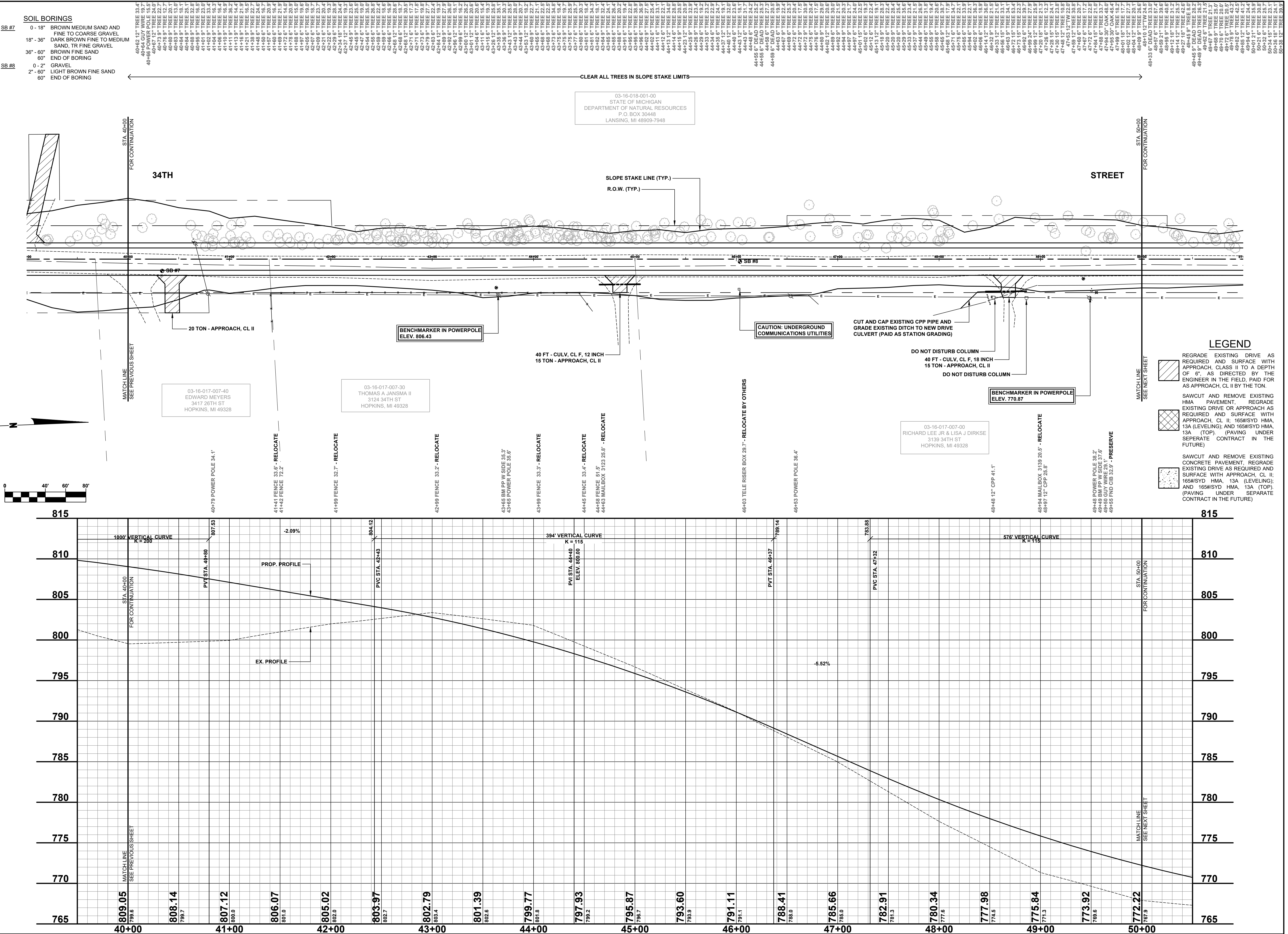
REVISIONS

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**34TH STREET RECONSTRUCTION PROJECT**  
MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE

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

DRAWN BY: RPB  
REVIEWED BY: JSE  
DATE: APRIL, 2020  
SCALE: 1"= 40'H, 5V



**SOIL BORINGS**

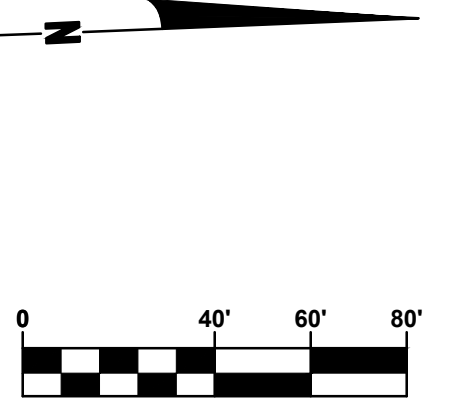
SB #7	0 - 18"	BROWN MEDIUM SAND AND FINE TO COARSE GRAVEL
	18" - 36"	DARK BROWN FINE TO MEDIUM SAND, TR FINE GRAVEL
	36" - 60"	BROWN FINE SAND
	60"	END OF BORING
SB #8	0 - 2"	GRAVEL
	2" - 60"	LIGHT BROWN FINE SAND
	60"	END OF BORING

03-16-018-001-00  
STATE OF MICHIGAN  
DEPARTMENT OF NATURAL RESOURCES  
P.O. BOX 30448  
LANSING, MI 48909-7948

03-16-017-007-40  
EDWARD MEYERS  
3417 26TH ST  
HOPKINS, MI 49328

03-16-017-007-30  
THOMAS A. JANSMA II  
3124 34TH ST  
HOPKINS, MI 49328

03-16-017-007-00  
RICHARD LEE JR & LISA J DIRKSE  
3139 34TH ST  
HOPKINS, MI 49328



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**REVISIONS**

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**34TH STREET RECONSTRUCTION PROJECT**  
MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE

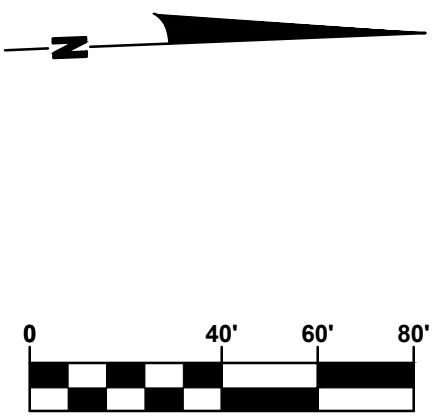
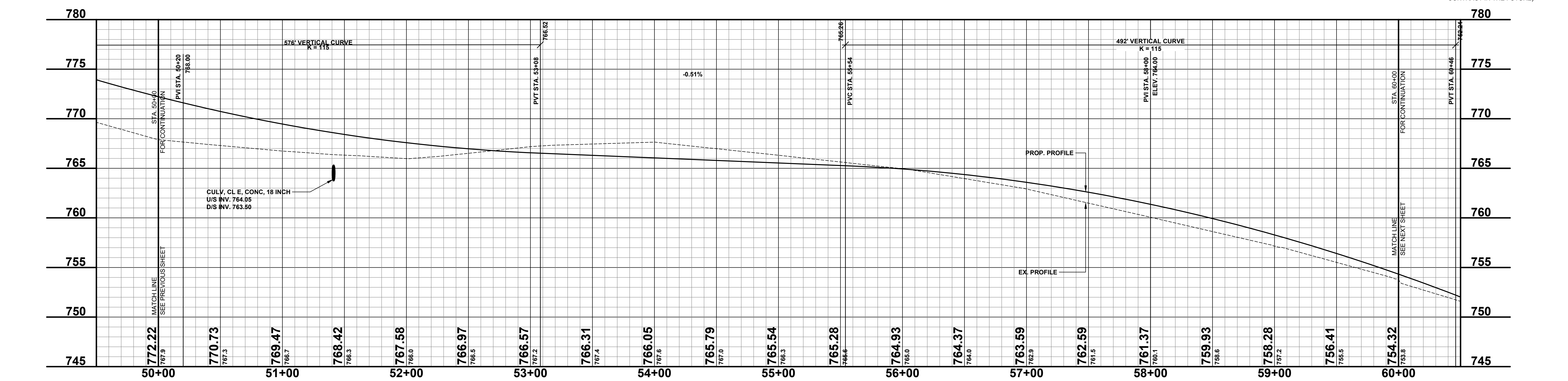
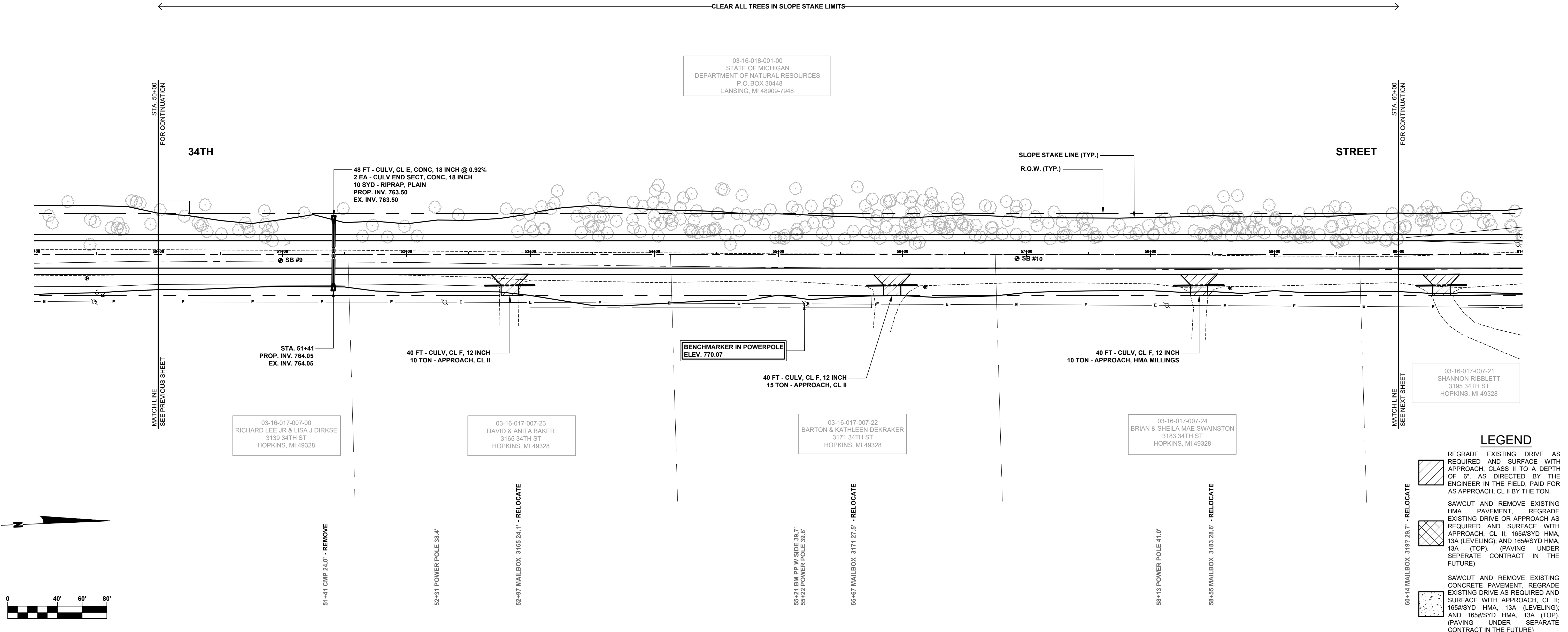
**PLAN & PROFILE - STA. 40+00 TO STA. 50+00**

**34TH STREET RECONSTRUCTION PROJECT**  
MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE

DRAWN BY: RPB  
REVIEWED BY: JSE  
DATE: APRIL, 2020  
SCALE: 1"= 40'H, 5V

LH 4992    6

SB #9	SOIL BORINGS
0 - 10"	BROWN MEDIUM SAND AND FINE TO COARSE GRAVEL
10" - 42"	DARK BROWN FINE TO MEDIUM SAND, TR CLAY
42" - 60"	BROWN FINE TO MEDIUM SAND
60"	END OF BORING
SB #10	SOIL BORINGS
0 - 3"	BROWN MEDIUM SAND AND FINE TO COARSE GRAVEL
3" - 60"	BROWN FINE SAND
60"	END OF BORING



03-16-018-001-00  
STATE OF MICHIGAN  
DEPARTMENT OF NATURAL RESOURCES  
LANSING, MI 48909-7948

03-16-017-007-00  
RICHARD LEE JR & LISA J DIRKSE  
3193 34TH ST  
HOPKINS, MI 49328

03-16-017-007-23  
DAVID & ANITA BAKER  
3165 34TH ST  
HOPKINS, MI 49328

03-16-017-007-22  
BARTON & KATHLEEN DEKRAKER  
2171 34TH ST  
HOPKINS, MI 49328

03-16-017-007-24  
BRIAN & SHEILA MAE SWAINSTON  
3183 34TH ST  
HOPKINS, MI 49328

**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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**34TH STREET RECONSTRUCTION PROJECT**  
MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE  
**PLAN & PROFILE - STA. 50+00 TO STA. 60+00**

DRAWN BY: RPB  
REVIEWED BY: JSE  
DATE: APRIL, 2020  
SCALE: 1"= 40'H, 5'V

**SOIL BORINGS**  
 SB #11 0 - 18" BROWN MEDIUM SAND AND FINE TO COARSE GRAVEL  
 18" - 48" DARK BROWN FINE SAND WITH ORGANICS  
 48" - 60" BROWN FINE SAND  
 60" END OF BORING

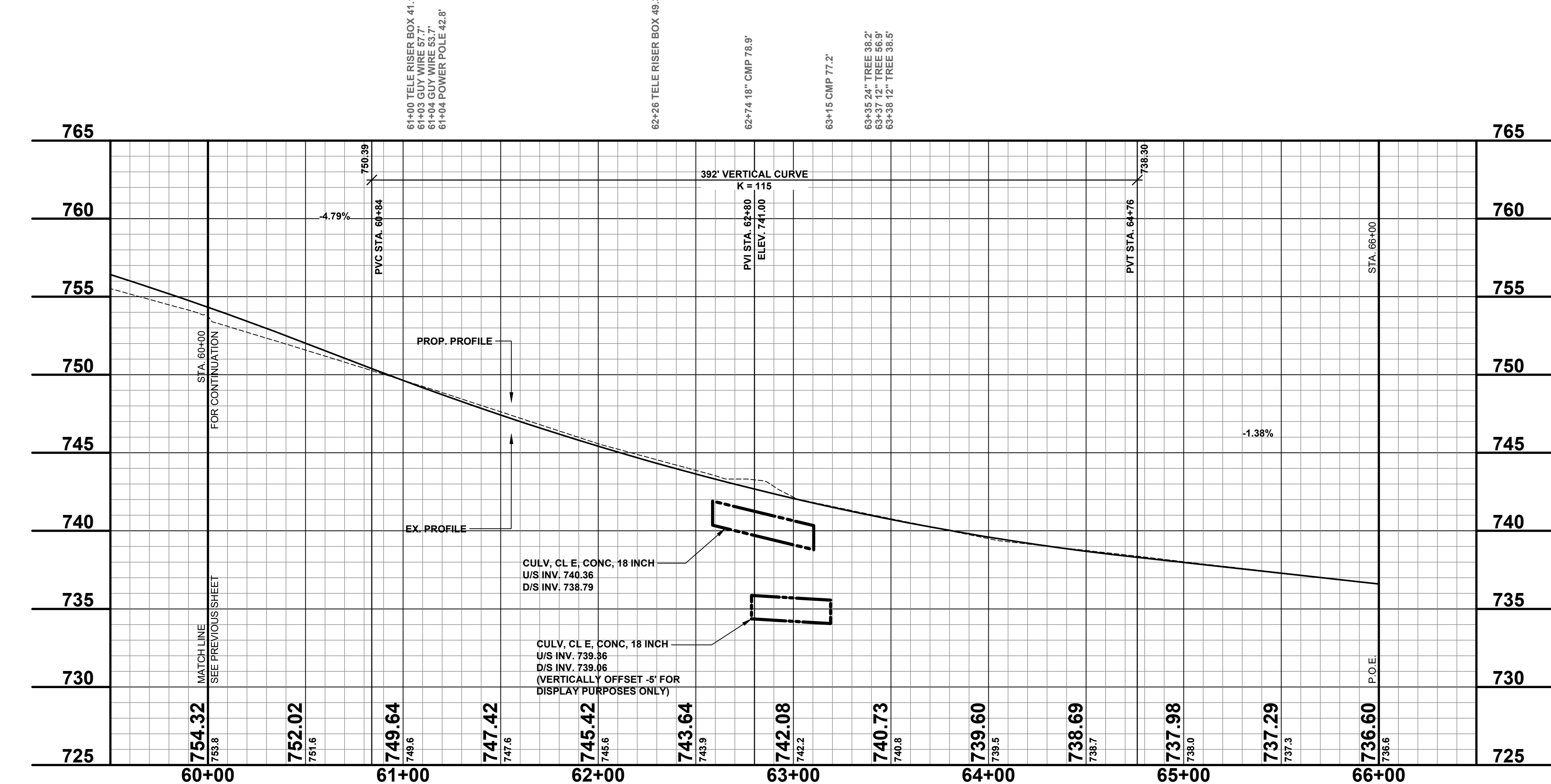
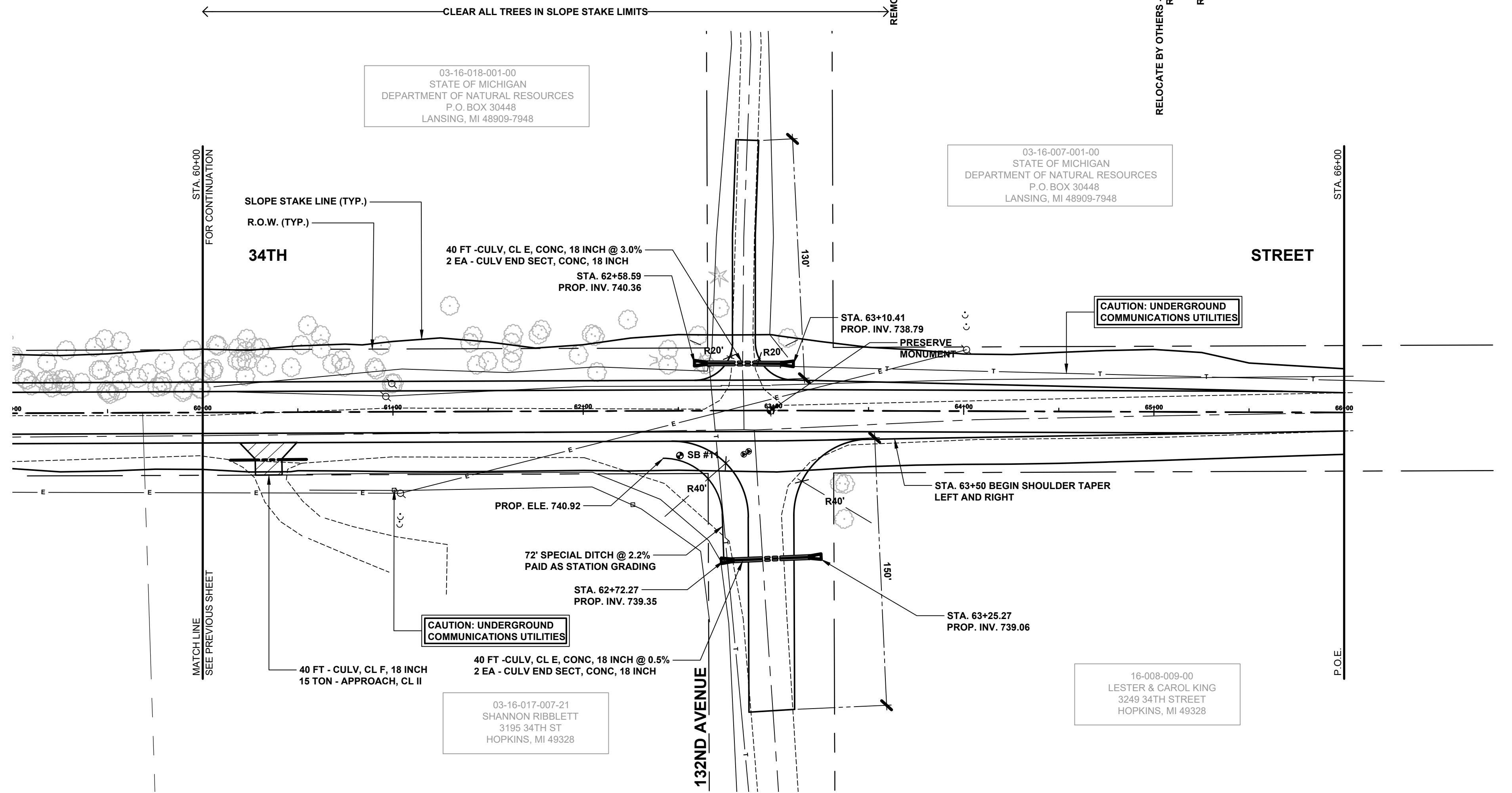
- 58+02.6' TREE 15.6'
- 58+03.6' TREE 16.6'
- 58+08.9' TREE 26.3'
- 58+15.6' TREE 20.7'
- 58+19.9' TREE 21.7'
- 58+35.6' TREE 30.0'
- 58+44.9' TREE 16.9'
- 58+43.6' TREE 16.9'
- 58+46.6' TREE 25.7'
- 58+47.2' TREE 33.9'
- 58+53.6' TREE 16.7'
- 58+58.1' TREE 11.9'
- 58+59.1' TREE 46.6'
- 58+59.1' TREE 22.8'
- 58+63.9' TREE 34.6'
- 58+67.6' TREE 23.2'
- 58+70.9' TREE 27.3'
- 58+74.6' TREE 21.5'
- 58+74.6' TREE 21.5'
- 58+81.6' TREE 16.6'
- 58+81.6' TREE 26.2'
- 58+83.6' TREE 22.0'
- 58+83.6' TREE 22.0'
- 58+86.6' TREE 20.0'
- 58+91.6' TREE 10.7'
- 58+91.6' TREE 10.7'
- 58+92.9' TREE 17.3'
- 58+92.9' TREE 17.3'
- 59+01.6' TREE 29.7'
- 59+01.6' TREE 29.7'
- 59+10.6' TREE 14.5'
- 59+08.6' TREE 17.5'
- 59+20.9' TREE 17.0'
- 59+21.6' TREE 15.4'
- 59+25.15' TREE 14.1'
- 59+25.15' TREE 14.1'
- 59+28.15' TREE 11.1'
- 59+28.15' TREE 11.1'
- 59+28.15' TREE 11.1'
- 59+36.6' TREE 16.9'
- 59+36.6' TREE 16.9'
- 59+43.6' TREE 23.5'
- 59+47.6' TREE 23.6'
- 59+47.6' TREE 23.6'
- 59+51.12' TREE 3.9'
- 59+51.12' TREE 3.9'
- 59+55.6' TREE 27.8'
- 59+55.6' TREE 27.8'
- 59+57.9' TREE 27.5'
- 59+57.9' TREE 27.5'
- 59+66.6' TREE 16.2'
- 59+71.6' TREE 20.7'
- 59+71.6' TREE 20.7'
- 59+75.6' TREE 15.8'
- 59+75.6' TREE 15.8'
- 59+79.9' TREE 16.2'
- 59+80.9' TREE 28.3'
- 59+80.9' TREE 28.3'
- 59+90.12' TREE 2.0'
- 59+93.6' TREE 21.6'
- 59+93.6' TREE 21.6'
- 59+95.6' TREE 23.2'
- 59+95.6' TREE 23.2'
- 59+99.6' TREE 15.4'
- 59+99.6' TREE 15.4'
- 60+01.9' TREE 11.4'
- 60+01.9' TREE 11.4'
- 60+08.12' TREE 23.1'
- 60+07.6' TREE 35.6'
- 60+07.6' TREE 35.6'
- 60+18.6' TREE 22.4'
- 60+18.6' TREE 22.4'
- 60+20.9' TREE 27.0'
- 60+20.9' TREE 27.0'
- 60+23.9' TREE 23.2'
- 60+23.9' TREE 23.2'
- 60+28.6' TREE 3.0'
- 60+31.12' TREE 33.8'
- 60+33.6' TREE 26.2'
- 60+33.6' TREE 26.2'
- 60+32.6' TREE 23.3'
- 60+32.6' TREE 23.3'
- 60+45.6' TREE 46.6'
- 60+45.6' TREE 46.6'
- 60+52.6' TREE 26.3'
- 60+52.6' TREE 26.3'
- 60+68.6' TREE 26.4'
- 60+68.6' TREE 26.4'
- 60+73.12' TREE 27.2'
- 60+73.12' TREE 27.2'
- 60+90.6' TREE 23.3'
- 60+90.6' TREE 23.3'
- 60+91.6' TREE 22.2'
- 60+91.6' TREE 22.2'
- 60+99.6' TREE 14.8'
- 60+99.6' TREE 14.8'
- 61+01.6' TREE 38.1'
- 61+01.6' TREE 38.1'
- 61+30.6' TREE 15.6'
- 61+30.6' TREE 15.6'
- 61+44.9' TREE 24.5'
- 61+44.9' TREE 24.5'
- 61+50.9' TREE 28.4'
- 61+50.9' TREE 28.4'
- 61+52.6' TREE 28.1'
- 61+52.6' TREE 28.1'
- 61+63.12' TREE 30.8'
- 61+63.12' TREE 30.8'
- 61+88.9' TREE 28.9'
- 61+88.9' TREE 28.9'
- 62+07.9' TREE 20.4'
- 62+07.9' TREE 20.4'
- 62+19.6' TREE 30.4'
- 62+19.6' TREE 30.4'
- 62+24.6' TREE 46.0'
- 62+24.6' TREE 46.0'
- 62+45.12' TREE 24.1'
- 62+45.12' TREE 24.1'
- 62+45.12' TREE 24.1'
- 62+45.12' TREE 24.1'
- 62+53.9' TREE 25.3'
- 62+53.9' TREE 25.3'
- 62+54.6' OAK 24.3'
- 62+54.6' OAK 24.3'
- 62+56.6' TELE RISER BOX 24.3'
- 62+56.6' TELE RISER BOX 24.3'
- 62+72.6' TREE 54.0'
- 62+72.6' TREE 54.0'
- 63+07.12' TREE 38.1'
- 63+07.12' TREE 38.1'
- 64+00 GUY WIRE 51.9'
- 64+01 GUY WIRE 45.7'
- 64+01 POWER POLE 32.3'

03-16-018-001-00  
 STATE OF MICHIGAN  
 DEPARTMENT OF NATURAL RESOURCES  
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 P.O. BOX 30448  
 LANSING, MI 48909-7948

03-16-017-007-21  
 SHANNON RIBBLETT  
 3195 34TH ST  
 HOPKINS, MI 49328

16-008-009-00  
 LESTER & CAROL KING  
 3249 34TH STREET  
 HOPKINS, MI 49328



**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)

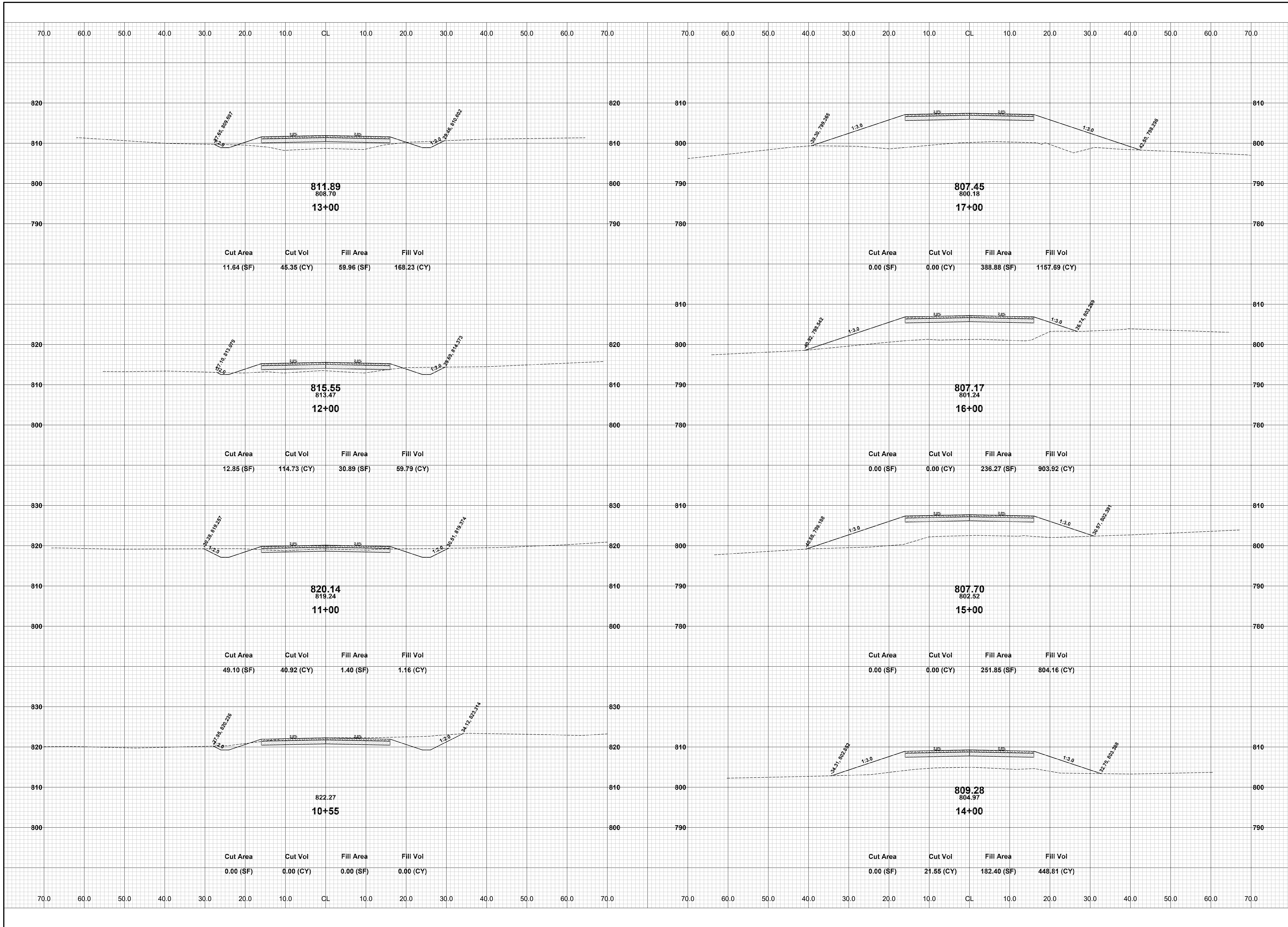
**Board of County Road Commissioners  
 Of Allegan County**  
 1308 LINCOLN ROAD  
 ALLEGAN, MICHIGAN 49010-9762  
 www.alleganroads.org FAX (269) 673-5922  
 TELEPHONE (269) 673-2184

REVISIONS	
1	DATE
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3	BY
4	DATE
5	DESCRIPTION
6	BY
7	DATE

**34TH STREET RECONSTRUCTION PROJECT**  
 MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE  
 PLAN & PROFILE - STA. 60+00 TO P.O.E.

DRAWN BY: RPB  
 REVIEWED BY: JSE  
 DATE: APRIL, 2020  
 SCALE: 1"= 40'H, 5V



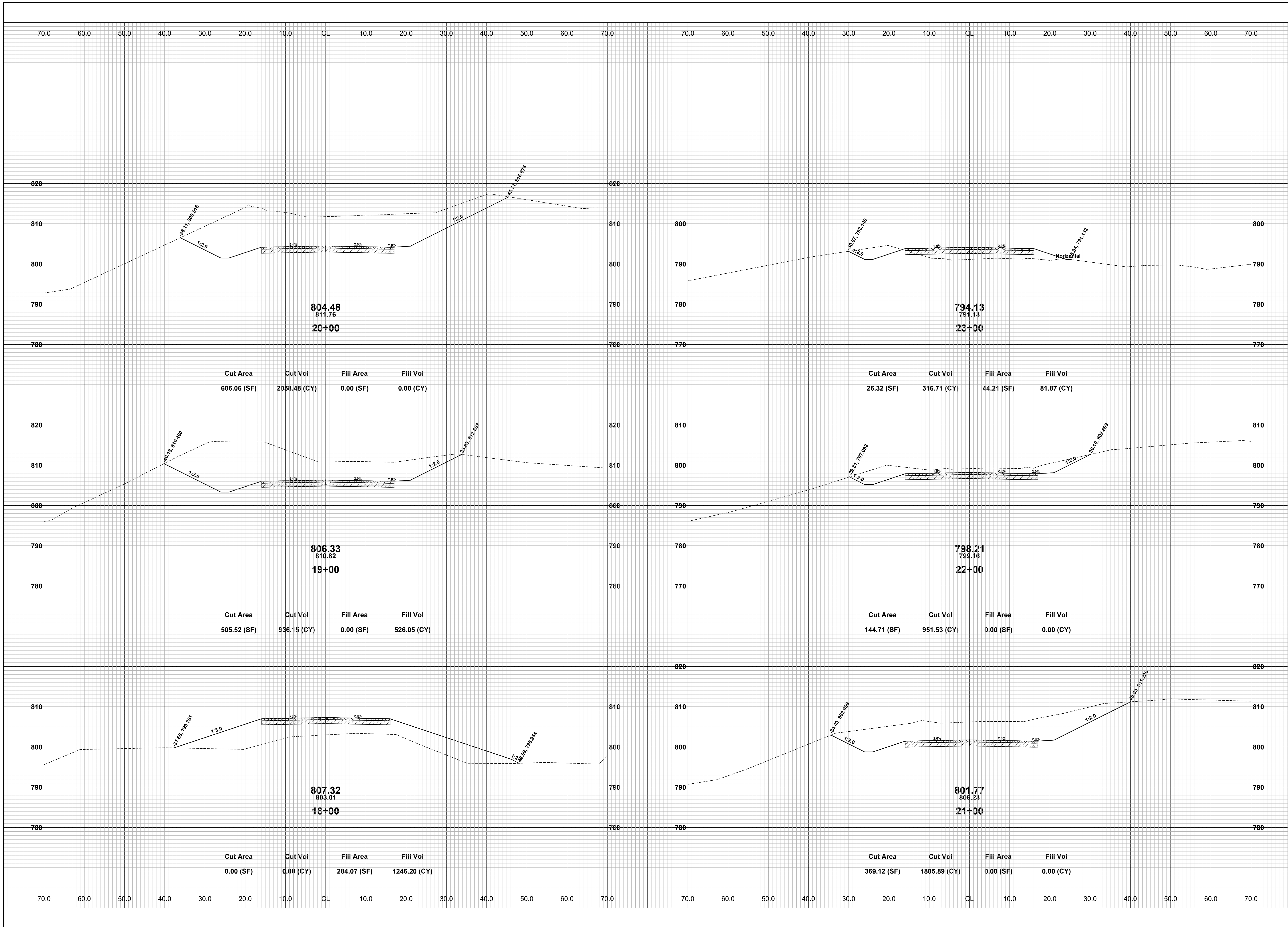


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**34TH STREET RECONSTRUCTION PROJECT**  
 MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE  
 CROSS SECTIONS - P.O.B. TO STA. 17+00

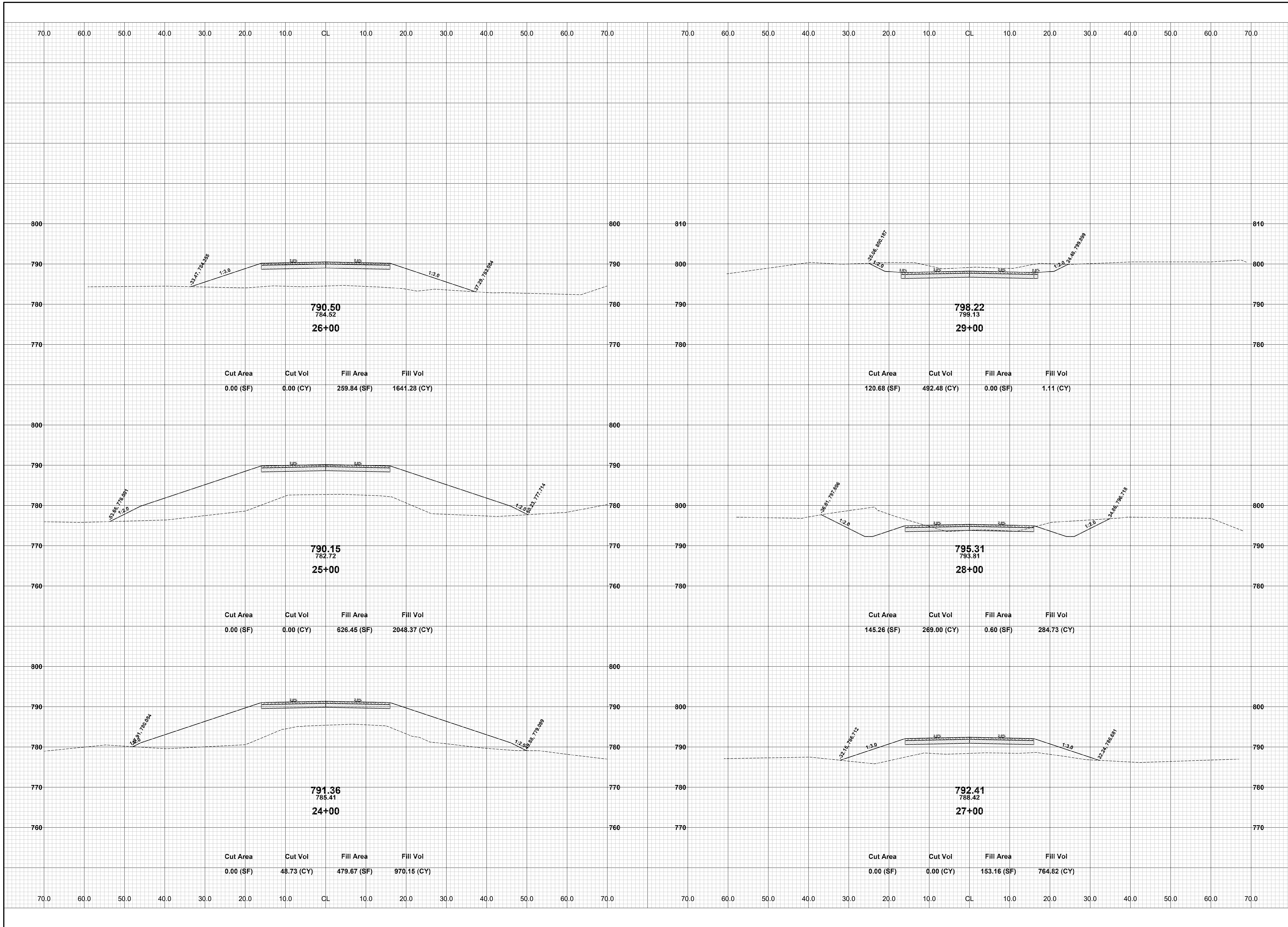
DRAWN BY: RPB  
 REVIEWED BY: JSE  
 DATE: APRIL, 2020  
 SCALE: 1"= 10'



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**34TH STREET RECONSTRUCTION PROJECT**  
 MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE  
 CROSS SECTIONS - STA. 18+00 TO STA. 23+00

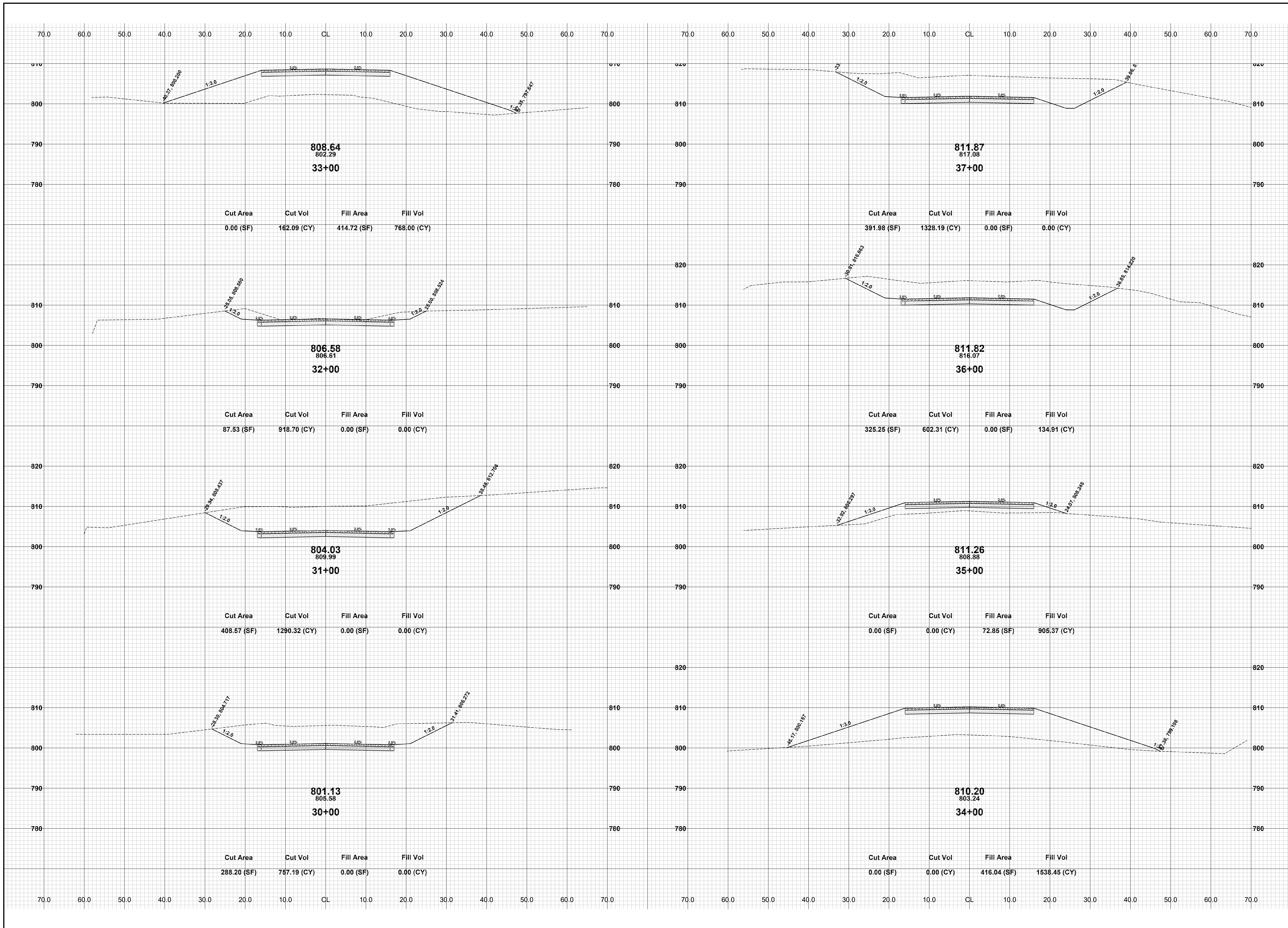
DRAWN BY: RPB  
 REVIEWED BY: JSE  
 DATE: APRIL, 2020  
 SCALE: 1"= 10'



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**34TH STREET RECONSTRUCTION PROJECT**  
 MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE  
 CROSS SECTIONS - STA. 24+00 TO STA. 29+00

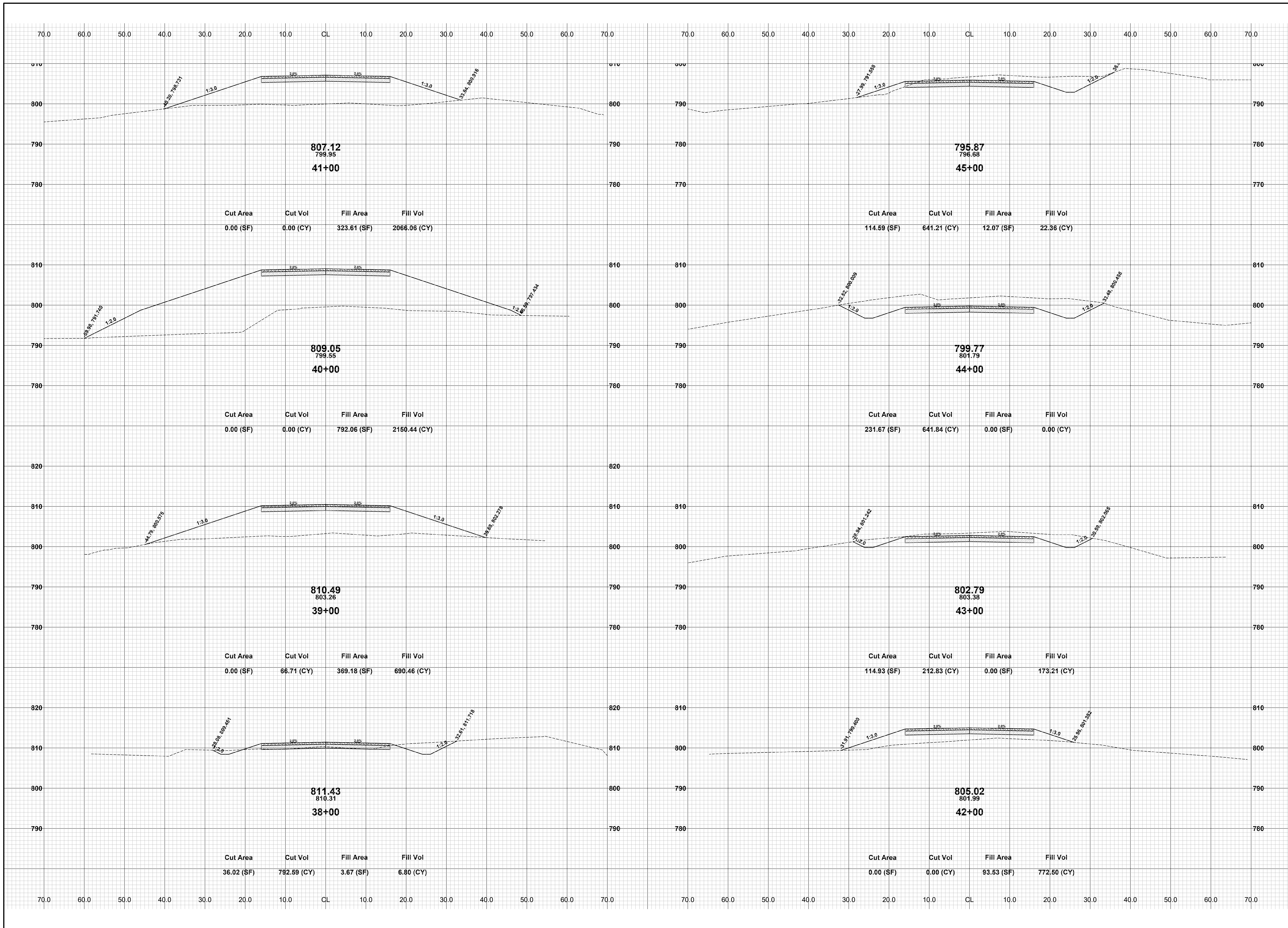
DRAWN BY: RPB  
 REVIEWED BY: JSE  
 DATE: APRIL, 2020  
 SCALE: 1"= 10'



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**34TH STREET RECONSTRUCTION PROJECT**  
 MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE  
 CROSS SECTIONS - STA. 30+00 TO STA. 37+00

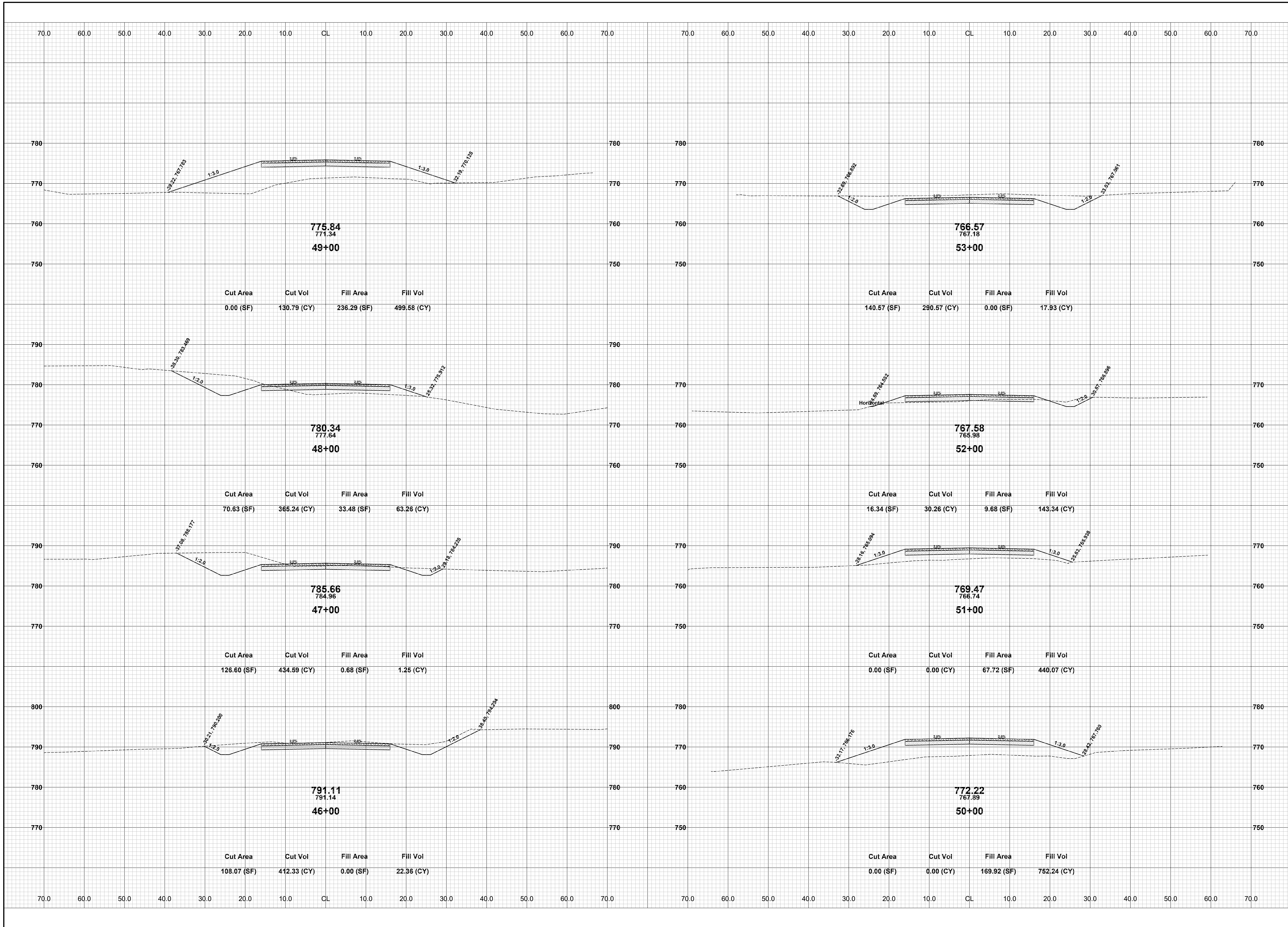
DRAWN BY: RPB  
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**34TH STREET RECONSTRUCTION PROJECT**  
MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE  
CROSS SECTIONS - STA. 38+00 TO STA. 45+00

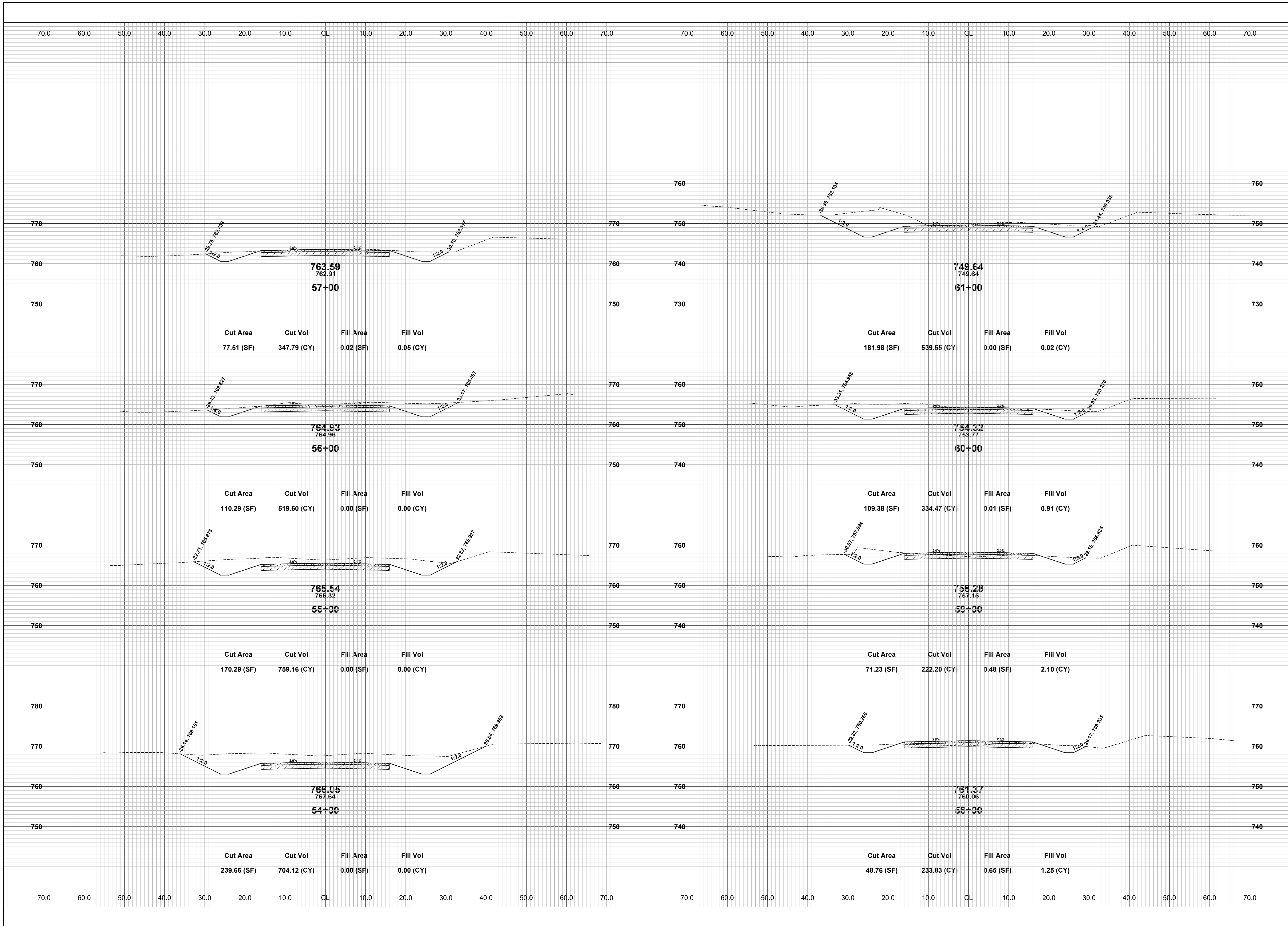
DRAWN BY: RPB  
REVIEWED BY: JSE  
DATE: APRIL, 2020  
SCALE: 1"= 10'



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**34TH STREET RECONSTRUCTION PROJECT**  
MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE  
CROSS SECTIONS - STA. 46+00 TO STA. 53+00

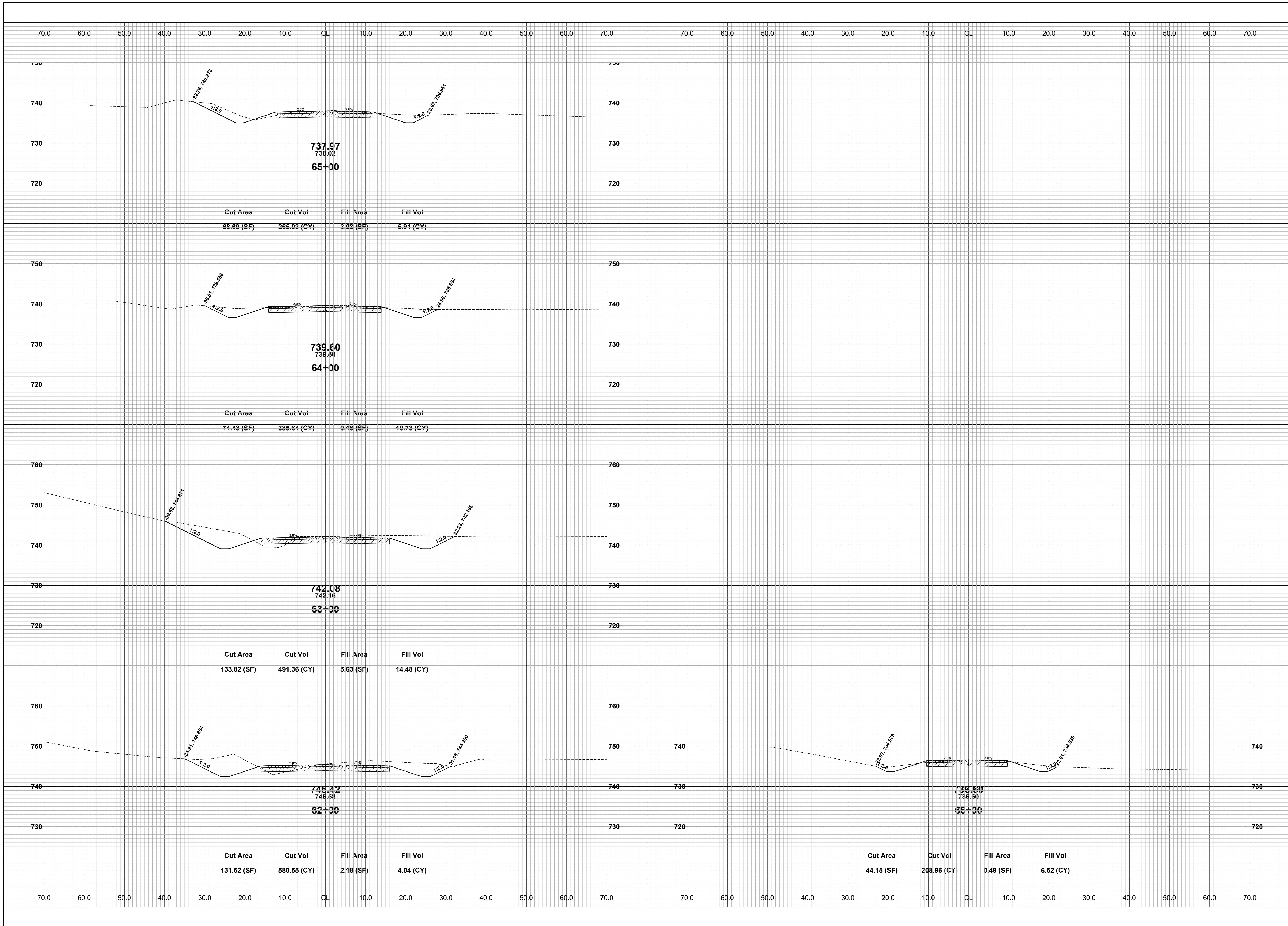
DRAWN BY: RPB  
REVIEWED BY: JSE  
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SCALE: 1"= 10'



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**34TH STREET RECONSTRUCTION PROJECT**  
 MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE  
 CROSS SECTIONS - STA. 54+00 TO STA. 61+00

DRAWN BY: RPB  
 REVIEWED BY: JSE  
 DATE: APRIL, 2020  
 SCALE: 1"= 10'

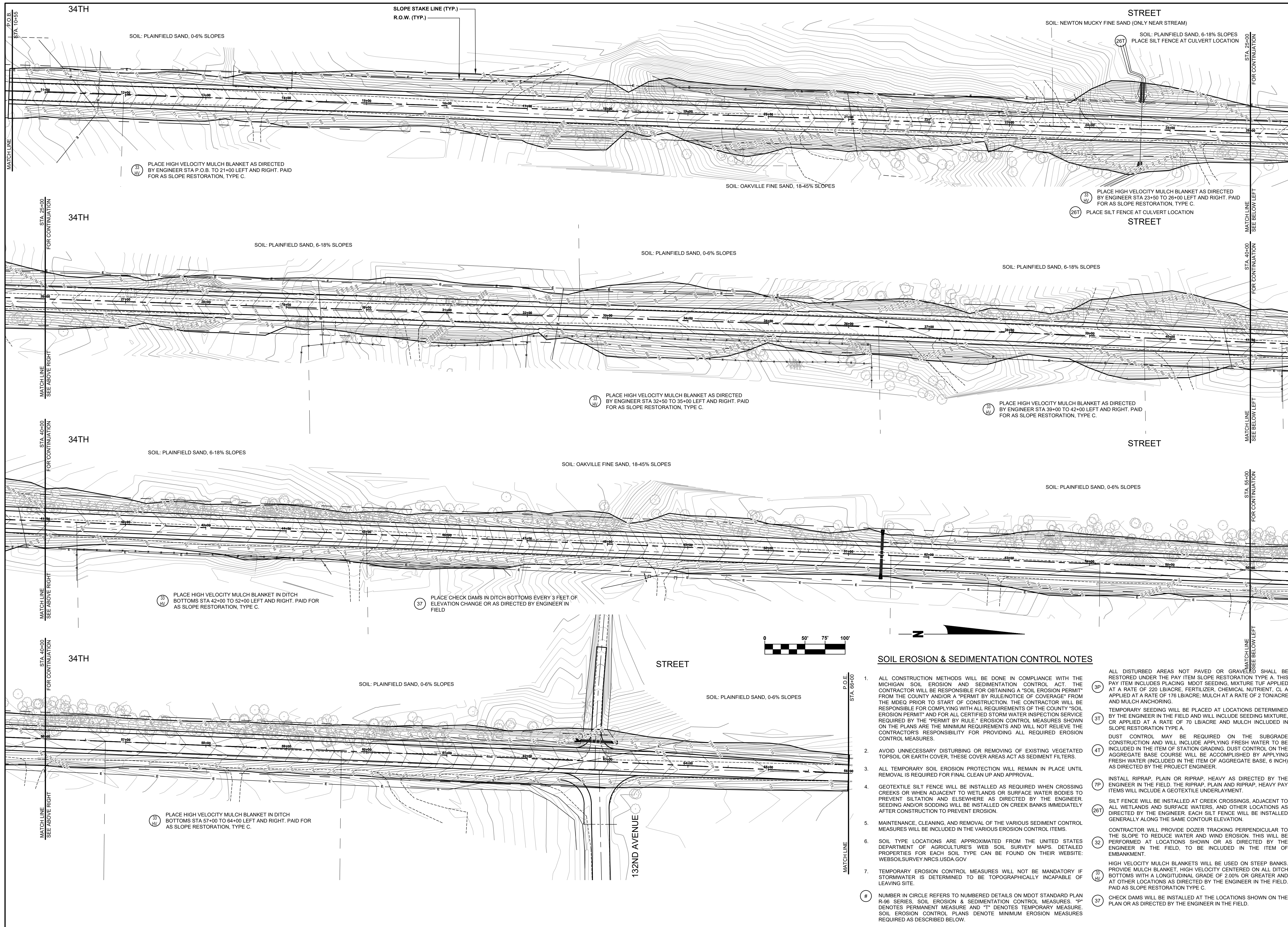


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**34TH STREET RECONSTRUCTION PROJECT**  
MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE  
CROSS SECTIONS - STA. 62+00 TO P.O.E.

DRAWN BY: RPB  
REVIEWED BY: JSE  
DATE: APRIL, 2020  
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.
  - 33 HV 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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**34TH STREET RECONSTRUCTION PROJECT**  
MONTEREY TOWNSHIP - 130TH AVENUE TO 132ND AVENUE  
SOIL EROSION & SEDIMENTATION CONTROL PLAN P.O.B. TO P.O.E.

DRAWN BY: RPB  
REVIEWED BY: JSE  
DATE: APRIL, 2020  
SCALE: 1" = 50'