

MONROE COUNTY ROAD COMMISSION

PLANS OF PROPOSED HURD ROAD DRAINAGE IMPROVEMENTS COMBONI WAY TO VIVIAN ROAD

SECTIONS 21 & 28 OF T6S, R9E
OF FRENCHTOWN CHARTER TOWNSHIP
MONROE COUNTY

PLAN INDEX

SHEET DESCRIPTION	SHEET NO.
TITLE SHEET	1
TYPICAL SECTION	2
PLAN & PROFILE	3-4
ROAD CROSS SECTIONS	5-8
DETOUR SIGNING	9

LEGEND

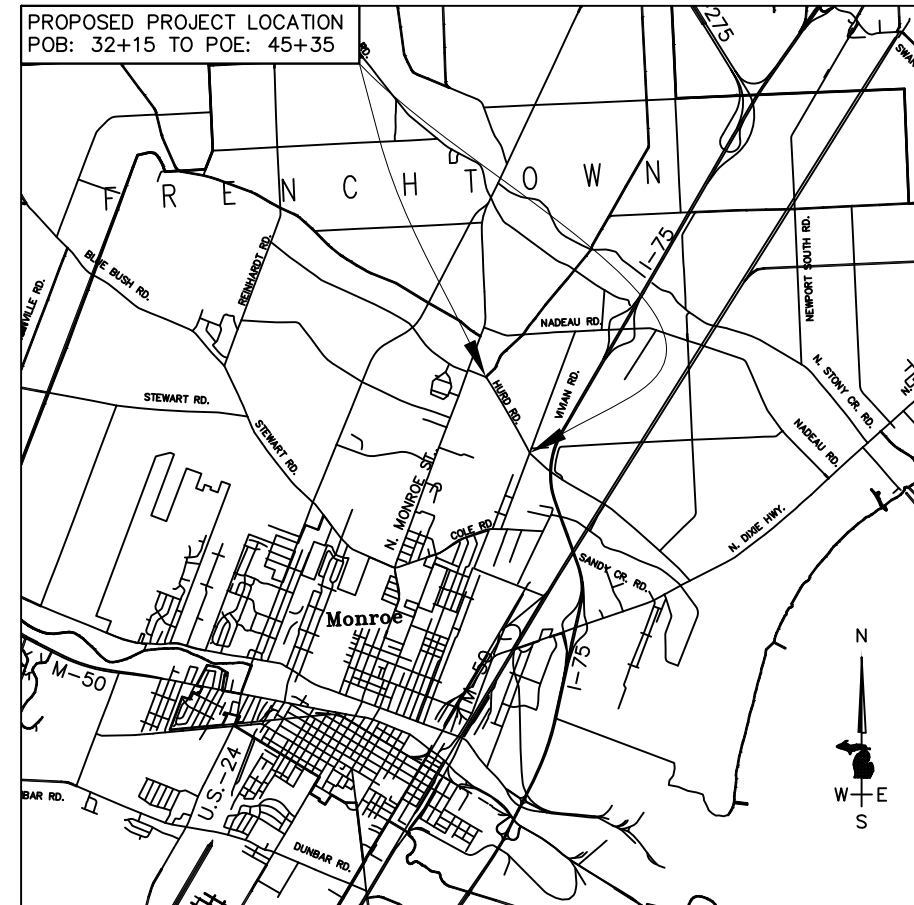
—W—	WATER LINE	~	EXISTING FLOW
—G—	GAS LINE	→	PROPOSED FLOW
—C—	CABLE LINE	—	RIGHT-OF-WAY
—T—	TELEPHONE LINE	⊗	BUSH, BUSH REMOVAL
—E—	ELECTRIC LINE	⊗	TREE TREE REMOVAL
—ST—	STORM LINE	⊗	PINE TREE, PINE TREE REMOVAL
—SA—	SANITARY LINE	⊗	STUMP, STUMP REMOVAL
—X—	FENCE LINE	☼	LIGHT POLE
—OH—	OVERHEAD LINE	☼	TRAFFIC SIGN
☼	TRAFFIC POLE	□	PEDESTAL
☼	GAS MARKER	⊙	CURB STOP, SPRINKLER VALVE
☼	BOULDER	⊙	HYDRANT, WATER VALVE
☼	MAILBOX, PAPER BOX	⊙	GUY WIRE
☼	SANITARY MANHOLE	⊙	EXISTING UTILITY POLE
☼	ELECTRIC MANHOLE	⊙	NEW WOOD POLE
☼	CURB INLET CATCH BASIN	⊙	EXISTING SPAN WIRE
☼	DRAINAGE STRUCTURE	⊙	EXISTING SPAN WIRE
☼	EXISTING VEHICULAR SIGNAL HEAD	⊙	
☼	PROPOSED VEHICULAR SIGNAL HEAD (ALL 12" POLYCARBONATE)	⊙	

MDOT STANDARD PLANS

R-1-G*	DRAINAGE STRUCTURES
R-12-E	COVER G
R-29-I	DRIVEWAY OPENINGS & APPROACHES, AND CONCRETE SIDEWALK
R-83-C	UTILITY TRENCHES
R-88-D	STEEL END SECTION
R-96-E	SOIL EROSION & SEDIMENTATION CONTROL MEASURES
* SPECIAL DETAIL	

TRAFFIC AND SAFETY SPECIAL DETAILS

WZD-100-A	GROUND DRIVEN SIGN SUPPORTS FOR TEMP SIGNS
WZD-125-E	TEMPORARY TRAFFIC CONTROL DEVICES



LOCATION MAP
N.T.S.

GENERAL NOTES

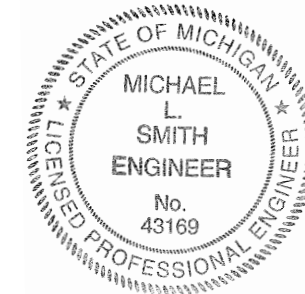
THE IMPROVEMENTS COVERED BY THESE PLANS SHALL BE DONE IN ACCORDANCE WITH THE MICHIGAN DEPARTMENT OF TRANSPORTATION 2012 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND THE 2011 MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.

AS CONSTRUCTED INFORMATION

TYPE OF PROJECT	_____
MCRC PROJECT NO.:	_____
PROJECT START DATE:	_____
PHYSICAL REFERENCE NO.:	_____
INTERSECTION EQUATION:	_____
OPEN TO TRAFFIC DATE:	_____
PROJECT COMPLETION DATE:	_____
PRIME CONTRACTOR:	_____
PAVING CONTRACTOR:	_____
FINAL CONST. CONTRACT AMT.:	_____
	FILLED IN UPON PROJECT COMPLETION

CONTRACT FOR:
0.25 MILES OF DRAINAGE IMPROVEMENTS ON HURD ROAD BETWEEN COMBONI WAY AND VIVIAN ROAD IN FRENCHTOWN CHARTER TOWNSHIP, MONROE MI.

PREPARED UNDER SUPERVISION OF



Michael L. Smith

04/17/2018

MICHAEL L. SMITH, P.E., STAFF ENGINEER
MONROE COUNTY ROAD COMMISSION
REG. NO.: 43169

DATE



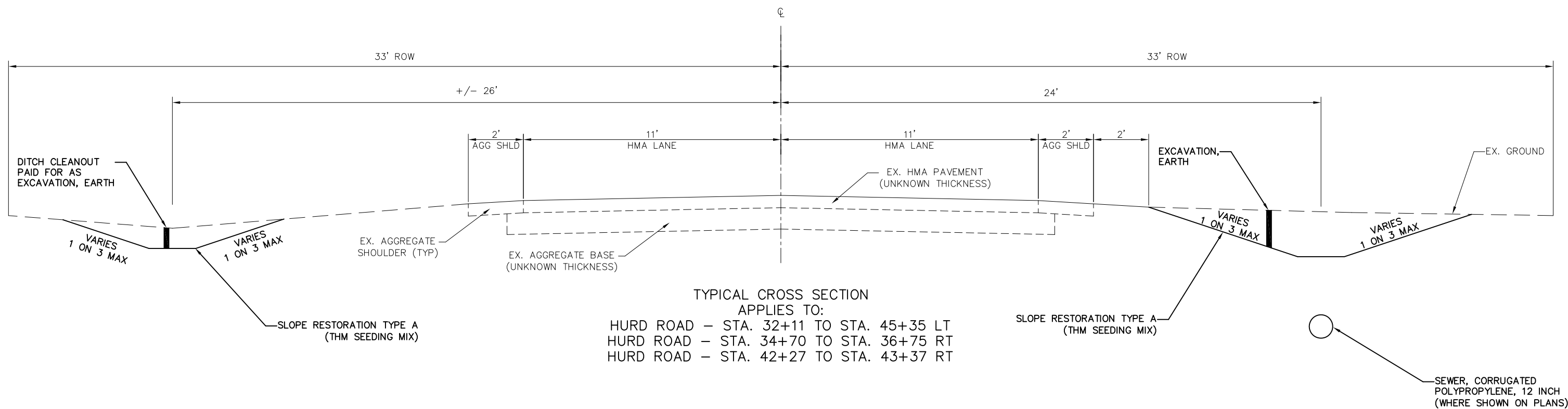
NO.	REVISIONS	DATE	BY
4	PROJECT CHANGE - REDESIGN IN 2018	4/18	MS
3	PROJECT CHANGE - REDESIGN IN 2017	2/17	MS
2	PROJECT CHANGE - REDESIGN IN 2017	1/17	MS
1	PROJECT CHANGE - NOT DONE IN 2013	11/13	JKA

FRENCHTOWN CHARTER TOWNSHIP
DRAINAGE IMPROVEMENTS
HURD RD, COMBONI WAY - VIVIAN RD

DESIGNED BY:	DATE:
DRAWN BY:	DATE:
CHECKED BY:	DATE:
SCALE:	
HORIZONTAL:	NONE
VERTICAL:	NONE

PROJECT NO.
459-007-179008

1/9
SHEET NO.



DRIVEWAY TABLE

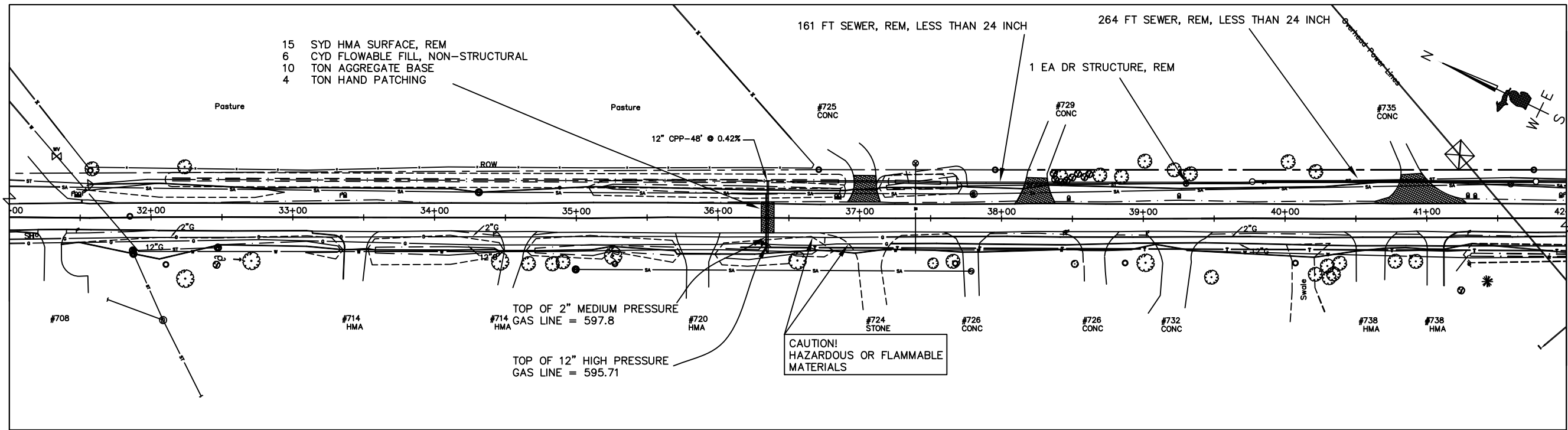
STATION	SIDE	ADDRESS	WIDTH (FT)	EXISTING MATERIAL	2040050	3020010	3020050	5010005	5010009	5010061	8010005
					PAVT, REM	AGGREGATE BASE	AGGREGATE BASE, CONDITIONING	HMA SURFACE, REM	EDGE TRIMMING	HMA APPROACH	DRIVEWAY, NONREINF CONC, 6 INCH
					SYD	TON	SYD	SYD	FT	TON	SYD
37+04	LT	725 HURD ROAD	16	CONC	47	4	47		24		47
38+24	LT	729 HURD ROAD	16	CONC	42	4	42		26		42
40+90	LT	735 HURD ROAD	14	CONC	53	4	53		44		53
42+80	LT	765 HURD ROAD	16	HMA		5	55	55		10	

4	PROJECT CHANGE - REDESIGN 2018	MS	4/18
3	PROJECT CHANGE - REDESIGN 2017	MS	2/17
2	PROJECT CHANGE - REDESIGN 2017	MS	1/17
1	REVISIONS PROJECT CHANGE - NOT DONE IN 2013	JKA	11/13
NO.	REVISIONS	BY	DATE

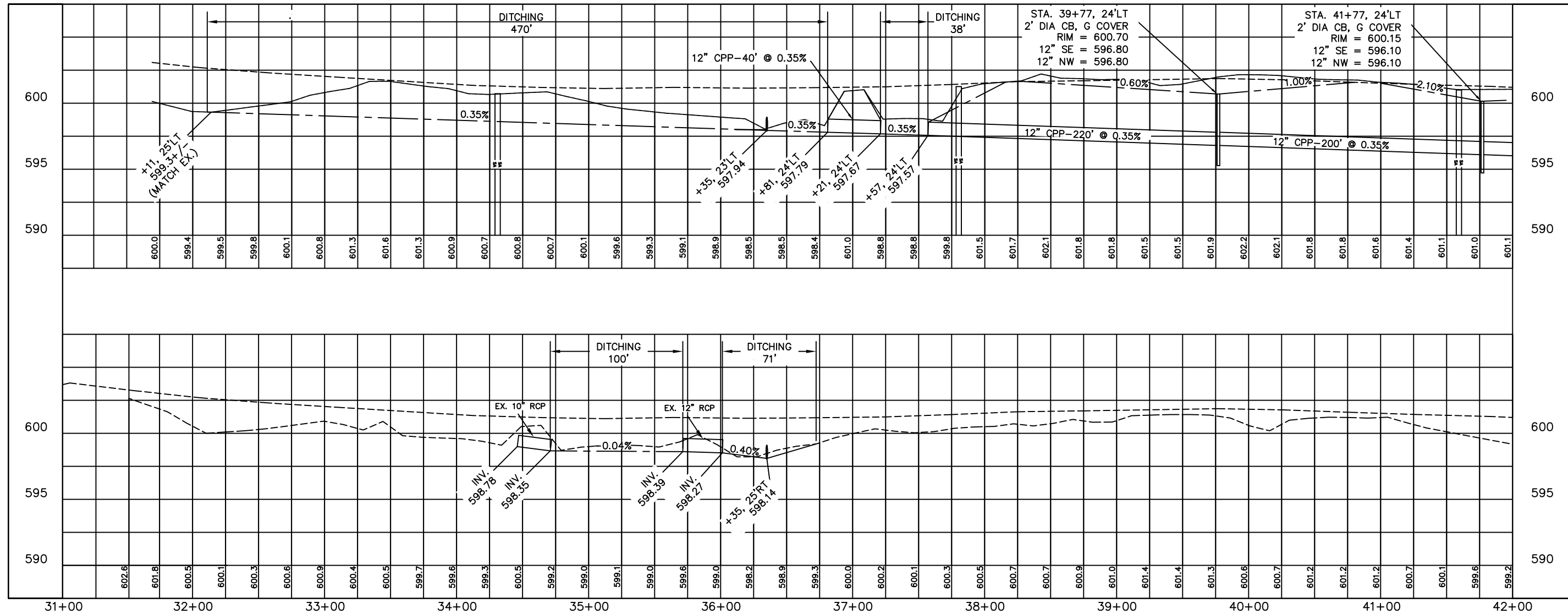
REVISED IN ACCORDANCE WITH CONSTRUCTION RECORDS BY: DATE:

FRENCHTOWN CHARTER TOWNSHIP
DRAINAGE IMPROVEMENTS
HURD RD, COMBONI WAY - VIVIAN RD
TYPICAL SECTION

DESIGNED BY:	DATE:
MS	4/18
DRAWN BY:	DATE:
RB	4/18
CHECKED BY:	DATE:
MS	4/18
SCALE:	
HORIZONTAL	NONE
VERTICAL	NONE
PROJECT NO.	459-007-179008
2/9	
SHEET NO.	



HURD ROAD



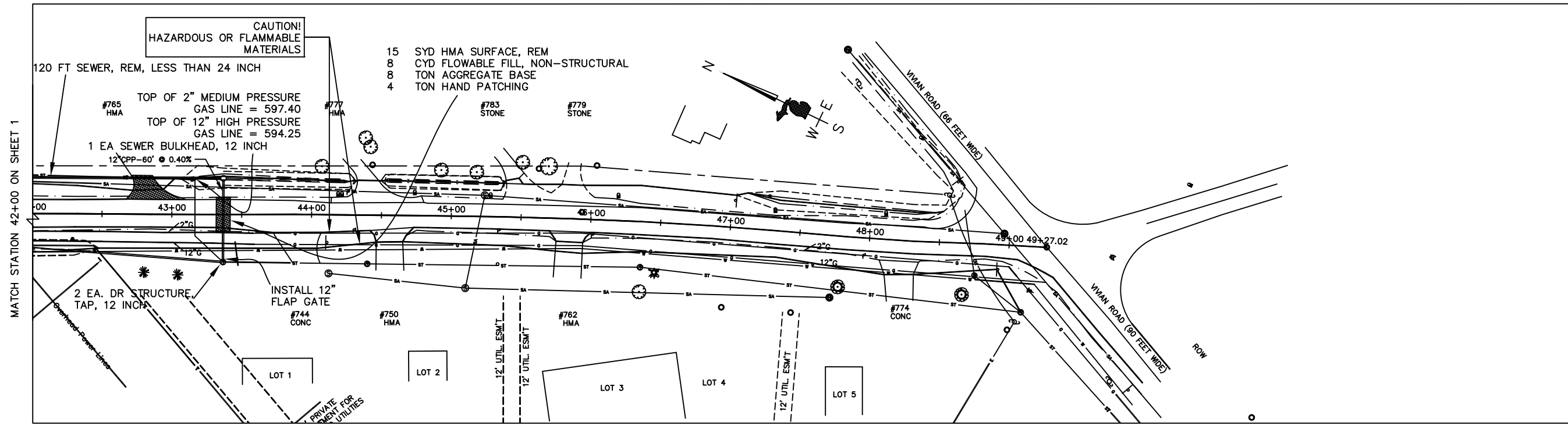
MATCH LINE 42+00 SHEET 2

NO	BY	DATE	REVISIONS
4	MS	4/18	PROJECT CHANGE - REDESIGN 2018
3	MS	7/17	PROJECT CHANGE - REDESIGN 2017
2	MS	1/17	PROJECT CHANGE - REDESIGN 2017
1	JKA	1/13	PROJECT CHANGE - NOT DONE IN 2013

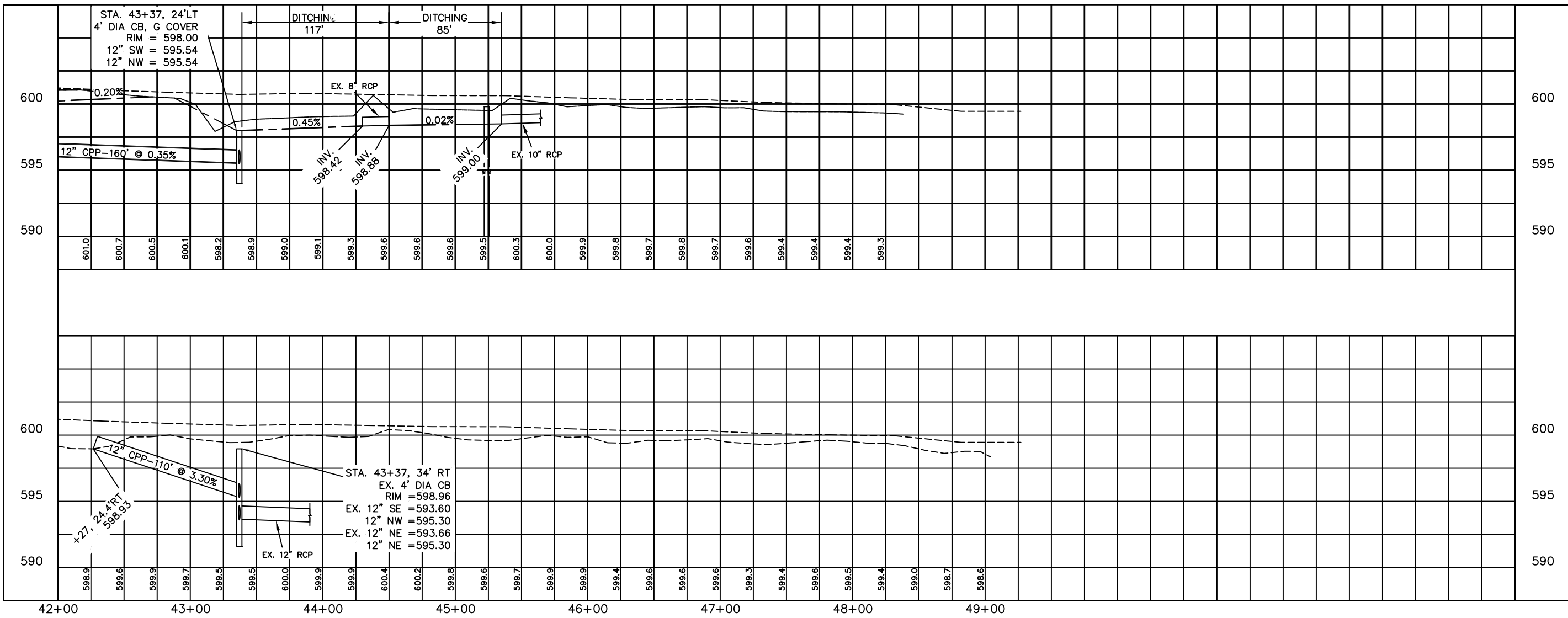
FRENCHTOWN CHARTER TOWNSHIP
DRAINAGE IMPROVEMENTS
HURD ROAD, COMBONI WAY TO VIVIAN ROAD
ROAD PLAN AND PROFILE

DESIGNED BY	DATE
MS	1/15/17
DRAWN BY	DATE
RFB	1/19/17
CHECKED BY	DATE
MS	2/22/17
SCALE	
	1" = 80'
	HORIZONTAL
	1" = 8'
	VERTICAL

PROJECT NUMBER
459-007-179008
SHEET NUMBER



HURD ROAD

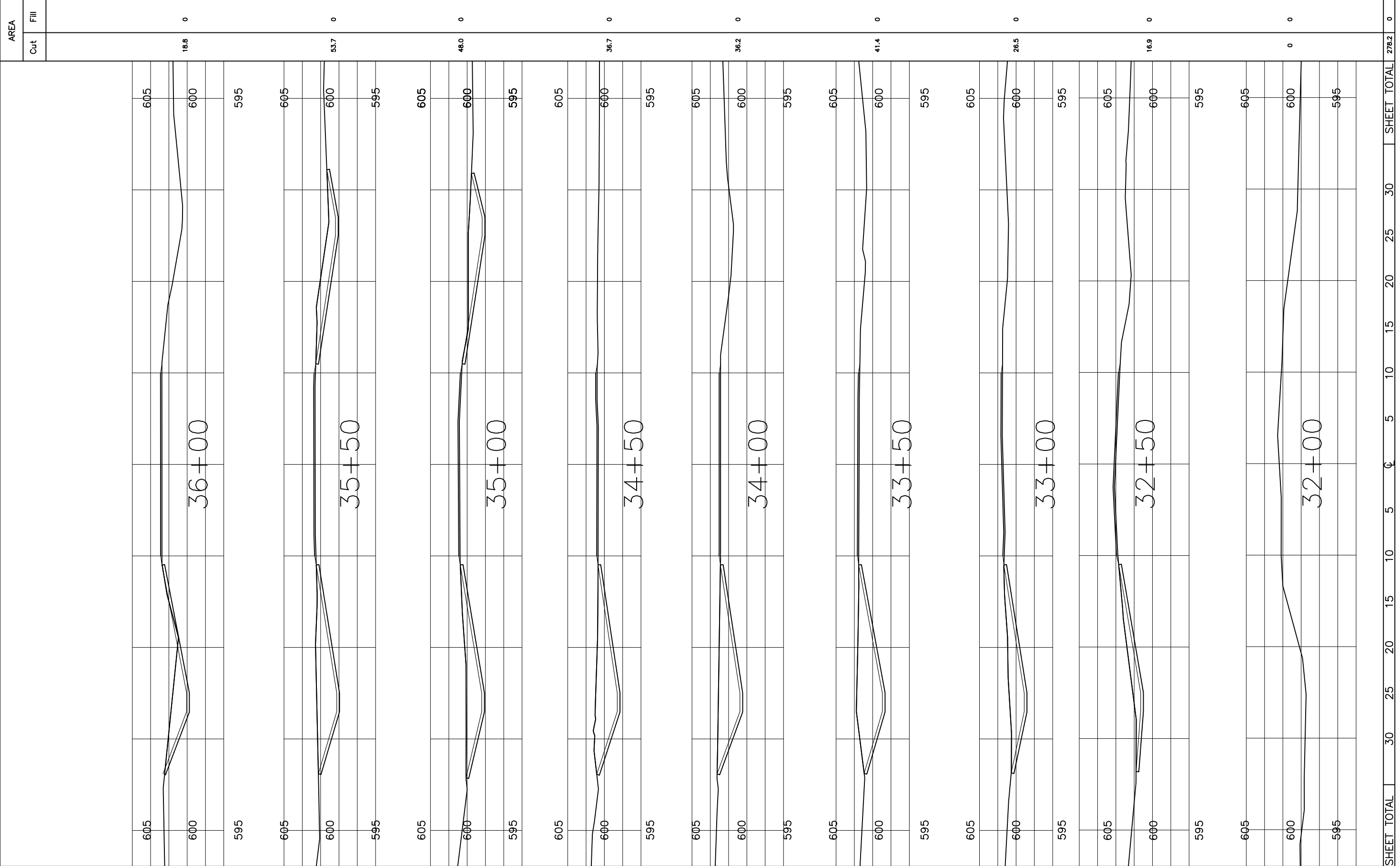


NO	REVISIONS	BY	DATE
4	PROJECT CHANGE - REDESIGN 2018	MS	4/16
3	PROJECT CHANGE - REDESIGN 2017	MS	3/17
2	PROJECT CHANGE - REDESIGN 2017	MS	1/17
1	PROJECT CHANGE - NOT DONE IN 2013	JKA	11/13

FRENCHTOWN CHARTER TOWNSHIP
DRAINAGE IMPROVEMENTS
HURD ROAD, COMBONI WAY TO VIVIAN ROAD
ROAD PLAN AND PROFILE

DESIGNED BY	DATE
MS	1/15/17
DRAWN BY	DATE
RB	1/19/17
CHECKED BY	DATE
MS	2/22/17
SCALE	
	1" = 80'
	HORIZONTAL
	1" = 8'
	VERTICAL

PROJECT NUMBER
459-007-179008

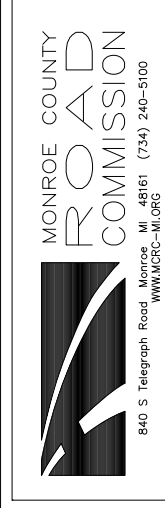


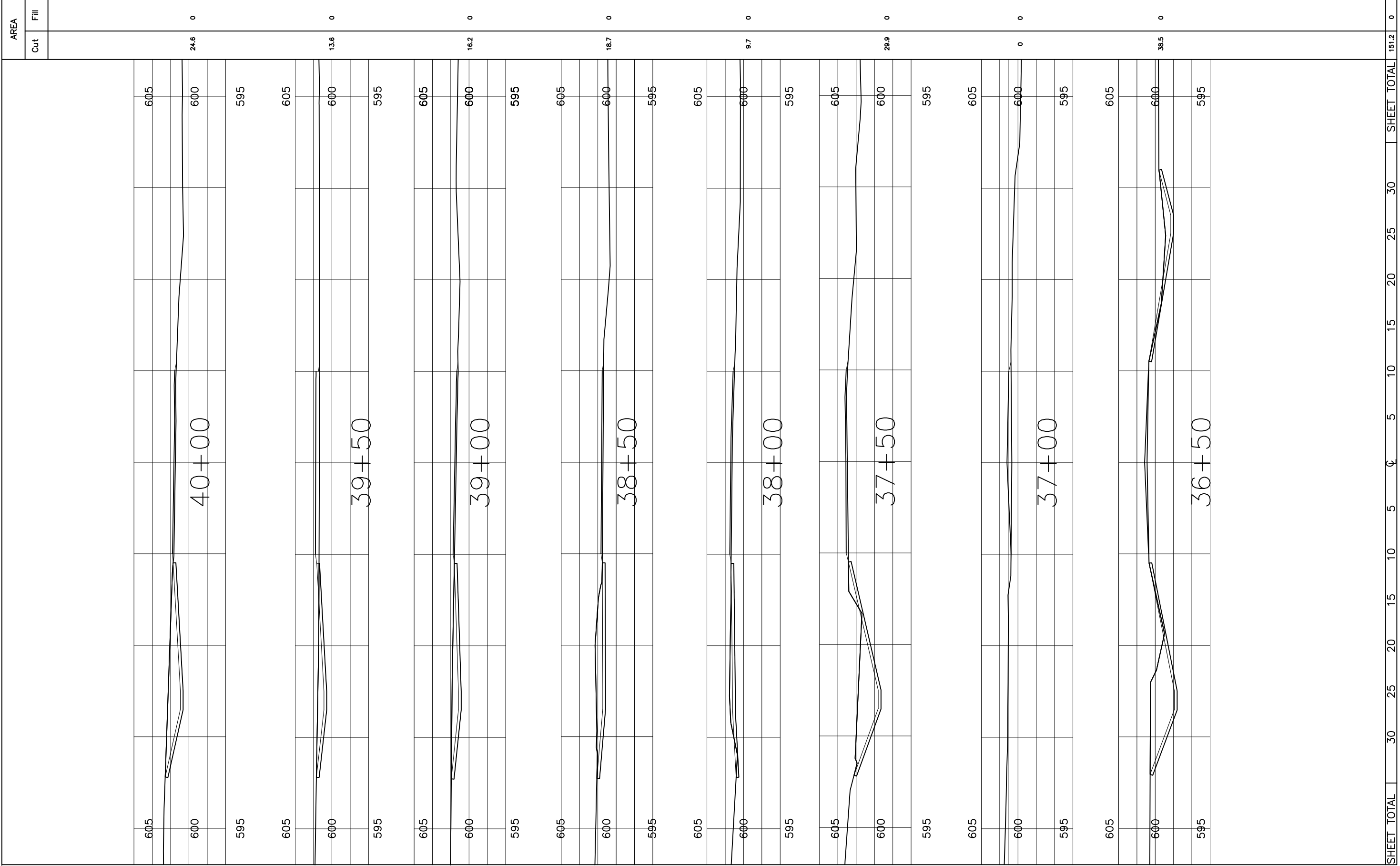
SHEET TOTAL	30	25	20	15	10	5	0	5	10	15	20	25	30	SHEET TOTAL
278.2														278.2

DESIGNED BY: DATE: MS 4/18
 DRAWN BY: DATE: RB 4/18
 CHECKED BY: DATE: MS 4/18
 SCALE: HORIZONTAL: NONE
 VERTICAL: NONE
 PROJECT NO: 459-007-179008

FRENCHTOWN CHARTER TOWNSHIP
 DRAINAGE IMPROVEMENTS
 HURD RD, COMBONI WAY - VIVIAN RD
 ROAD CROSS SECTIONS

NO.	REVISIONS	BY	DATE
4	PROJECT CHANGE - REDESIGN 2018	MS	4/18
3	PROJECT CHANGE - REDESIGN 2017	MS	2/17
2	PROJECT CHANGE - REDESIGN 2017	MS	1/17
1	PROJECT CHANGE - NOT DONE IN 2013	JKA	11/13





AREA	
Cut	Fill
24.6	0
13.6	0
16.2	0
18.7	0
9.7	0
29.9	0
0	0
38.5	0

SHEET TOTAL	30	25	20	15	10	5	0	5	10	15	20	25	30	SHEET TOTAL	151.2	0
-------------	----	----	----	----	----	---	---	---	----	----	----	----	----	-------------	-------	---

FRENCHTOWN CHARTER TOWNSHIP
DRAINAGE IMPROVEMENTS
HURD RD, COMBONI WAY - VIVIAN RD
ROAD CROSS SECTIONS

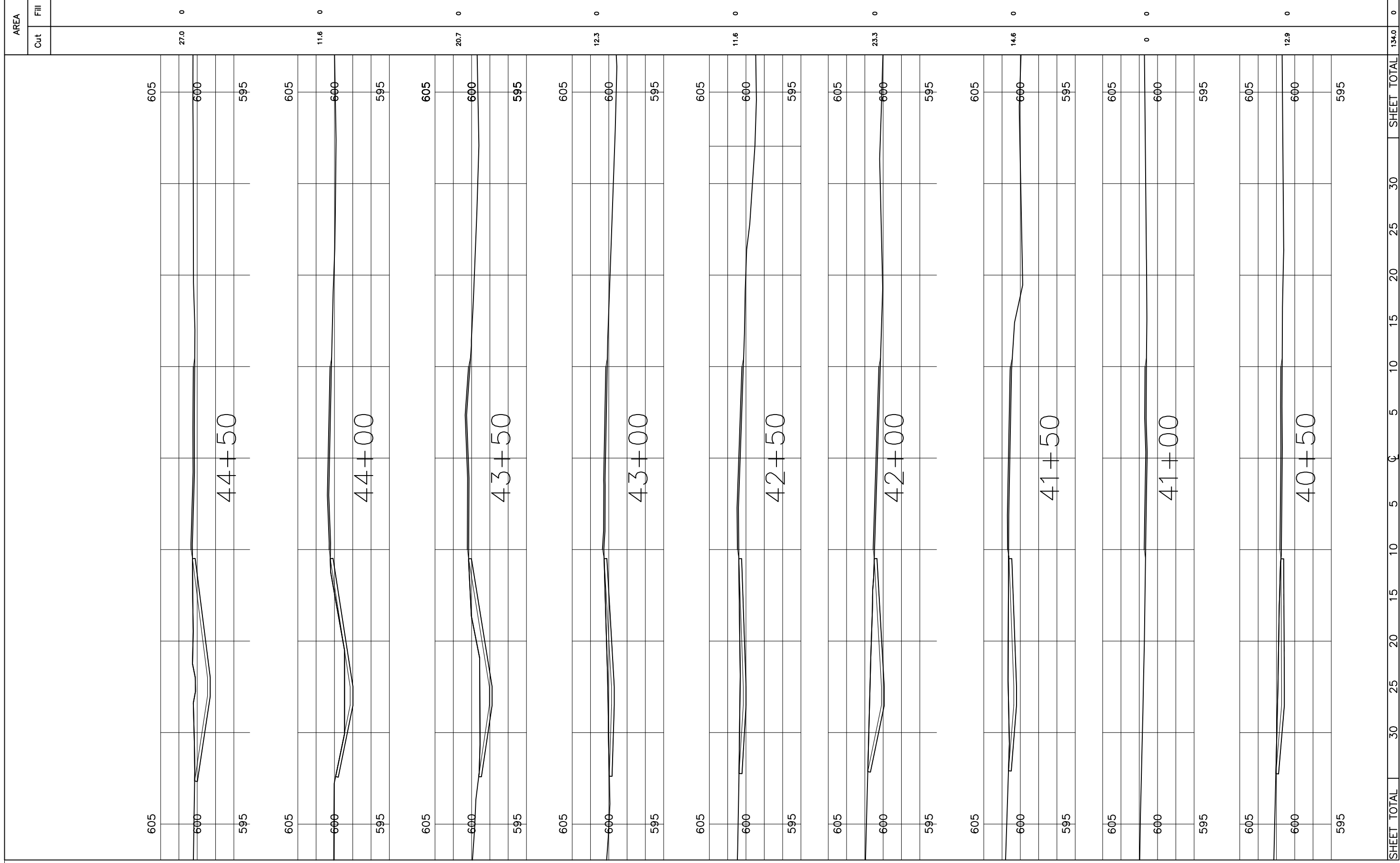
DESIGNED BY: DATE: MS 4/18
DRAWN BY: DATE: RB 4/18
CHECKED BY: DATE: MS 4/18
SCALE: HORIZONTAL: NONE
VERTICAL: NONE
PROJECT NO.: 459-007-179008

6/9
SHEET NO.

NO.	REVISIONS	BY	DATE
4	PROJECT CHANGE - REDESIGN 2018	MS	4/18
3	PROJECT CHANGE - REDESIGN 2017	MS	2/17
2	PROJECT CHANGE - REDESIGN 2017	MS	1/17
1	PROJECT CHANGE - NOT DONE IN 2013	JKA	11/13

REVISED IN ACCORDANCE WITH CONSTRUCTION RECORDS

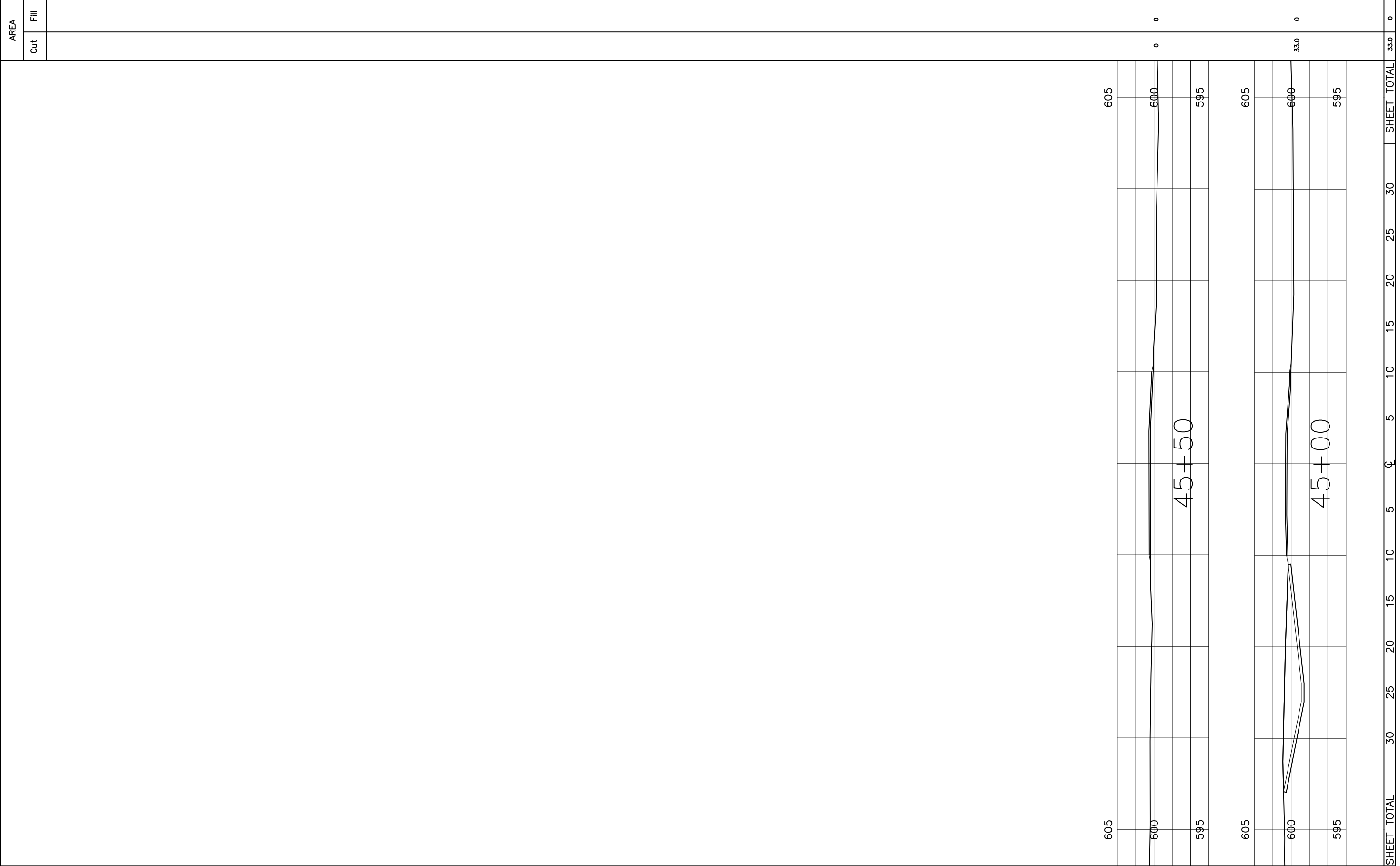




DESIGNED BY: DATE: MS 4/18
 DRAWN BY: DATE: RB 4/18
 CHECKED BY: DATE: MS 4/18
 SCALE: HORIZONTAL NONE
 VERTICAL NONE
 PROJECT NO. 459-007-179008

FRENCHTOWN CHARTER TOWNSHIP
 DRAINAGE IMPROVEMENTS
 HURD RD, COMBONI WAY - VIVIAN RD
 ROAD CROSS SECTIONS

NO. REVISIONS
 4 PROJECT CHANGE - REDESIGN 2018 MS 4/18
 3 PROJECT CHANGE - REDESIGN 2017 MS 2/17
 2 PROJECT CHANGE - REDESIGN 2017 MS 1/17
 1 PROJECT CHANGE - NOT DONE IN 2013 JKA 11/13
 BY DATE



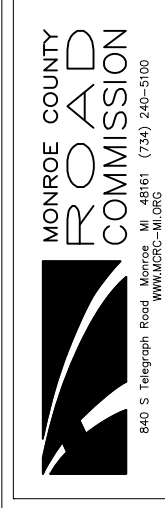
AREA												SHEET TOTAL			
Cut	Fill	30	25	20	15	10	5	0	5	10	15	20	25	30	33.0
															0
															0

DESIGNED BY: MS DATE: 4/18
 DRAWN BY: RB DATE: 4/18
 CHECKED BY: MS DATE: 4/18
 SCALE: NONE
 HORIZONTAL: NONE
 VERTICAL: NONE
 PROJECT NO. 459-007-179008
 08 / 9
 SHEET NO.

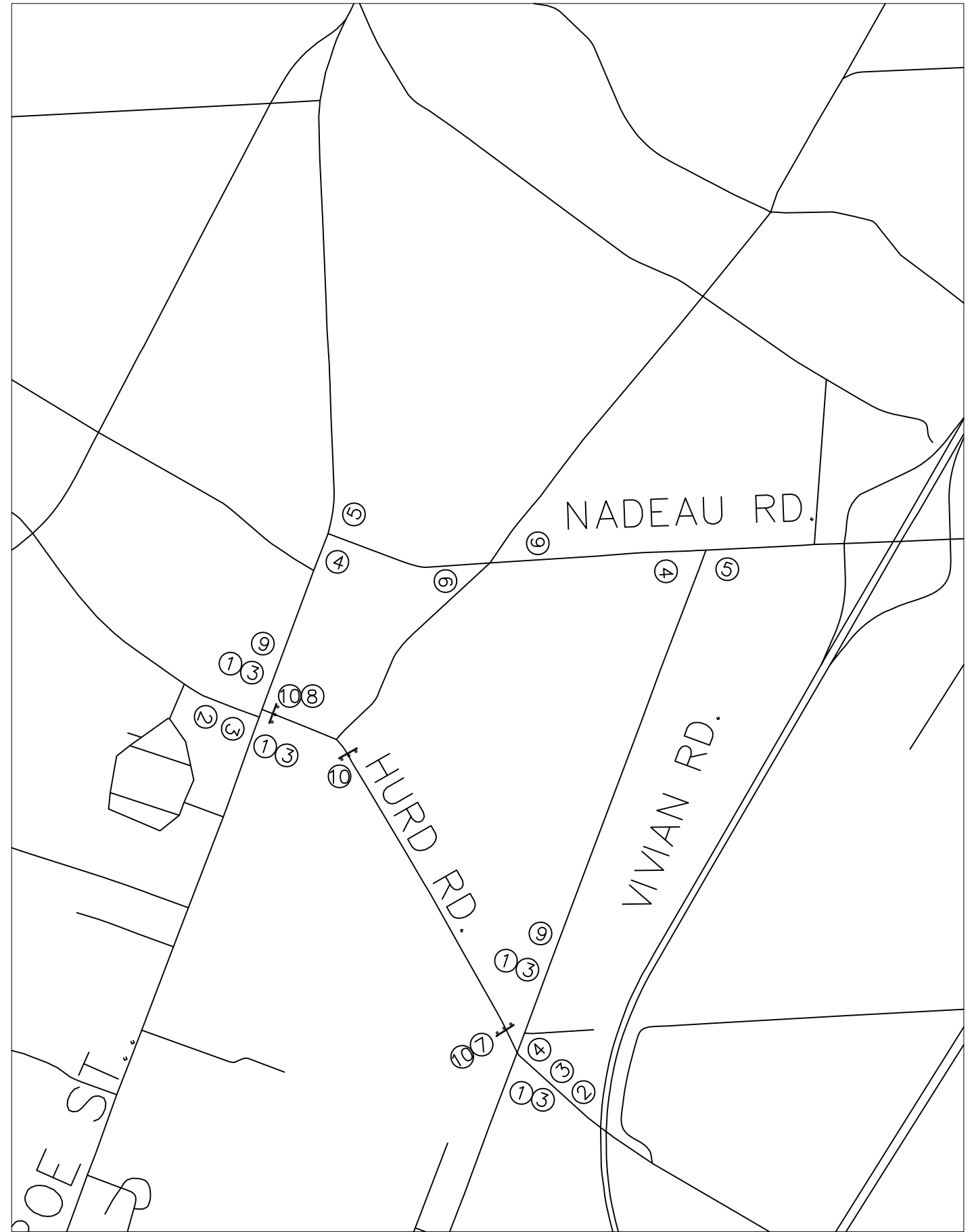
FRENCHTOWN CHARTER TOWNSHIP
 DRAINAGE IMPROVEMENTS
 HURD RD, COMBONI WAY - VIVIAN RD
 ROAD CROSS SECTIONS

NO.	REVISIONS	BY	DATE
4	PROJECT CHANGE - REDESIGN 2018	MS	4/18
3	PROJECT CHANGE - REDESIGN 2017	MS	2/17
2	PROJECT CHANGE - REDESIGN 2017	MS	1/17
1	PROJECT CHANGE - NOT DONE IN 2013	JKA	11/13

REVISED IN ACCORDANCE WITH CONSTRUCTION RECORDS



TRAFFIC CONTROL SIGN LEGEND						
No.	Sign	Description	Size	Area Sft	Qty.	Total Sft
	-	Type III Barricade double sided	-		3	
1	D3-1	"HURD RD"	36"x12"	3.00	4	12.00
2	W20-3	Road Closed Ahead	48"x48"	16.00	2	32.00
3	W20-2	Detour Ahead	48"x48"	16.00	6	96.00
4	M4-9R	Detour (Right Arrow)	30"x24"	5.00	3	15.00
5	M4-9L	Detour (Left Arrow)	30"x24"	5.00	2	10.00
6	M4-9S	Detour (Straight Arrow)	30"x24"	5.00	2	10.00
7	M4-10R	Detour (Right Symbol)	48x10"	3.33	1	3.33
8	M4-10L	Detour (Left Symbol)	48"x10"	3.33	1	3.33
9	M4-8a	End Detour	24"x8"	1.33	2	2.67
10	R11-4	Road Closed to Thru Traffic	60"x30"	12.50	3	37.50
		TOTAL				221.83



MS	4/18	MS	2/17	MS	1/17	JKA	11/13	BY	DATE
4	PROJECT CHANGE - REDESIGN IN 2018								
3	PROJECT CHANGE - REDESIGN IN 2017								
2	PROJECT CHANGE - REDESIGN IN 2017								
1	PROJECT CHANGE - NOT DONE IN 2013								
NO.	REVISIONS								

REVISED IN ACCORDANCE WITH CONSTRUCTION RECORDS

FRENCHTOWN CHARTER TOWNSHIP
DRAINAGE IMPROVEMENTS
HURD RD, COMBONI WAY - VIVIAN RD
TRAFFIC DETAILS

DESIGNED BY:	DATE:
MS	4/18
DRAWN BY:	DATE:
RB	4/18
CHECKED BY:	DATE:
MS	4/18
SCALE:	NONE
	HORIZONTAL
	NONE
	VERTICAL
PROJECT NO:	459-007-179008