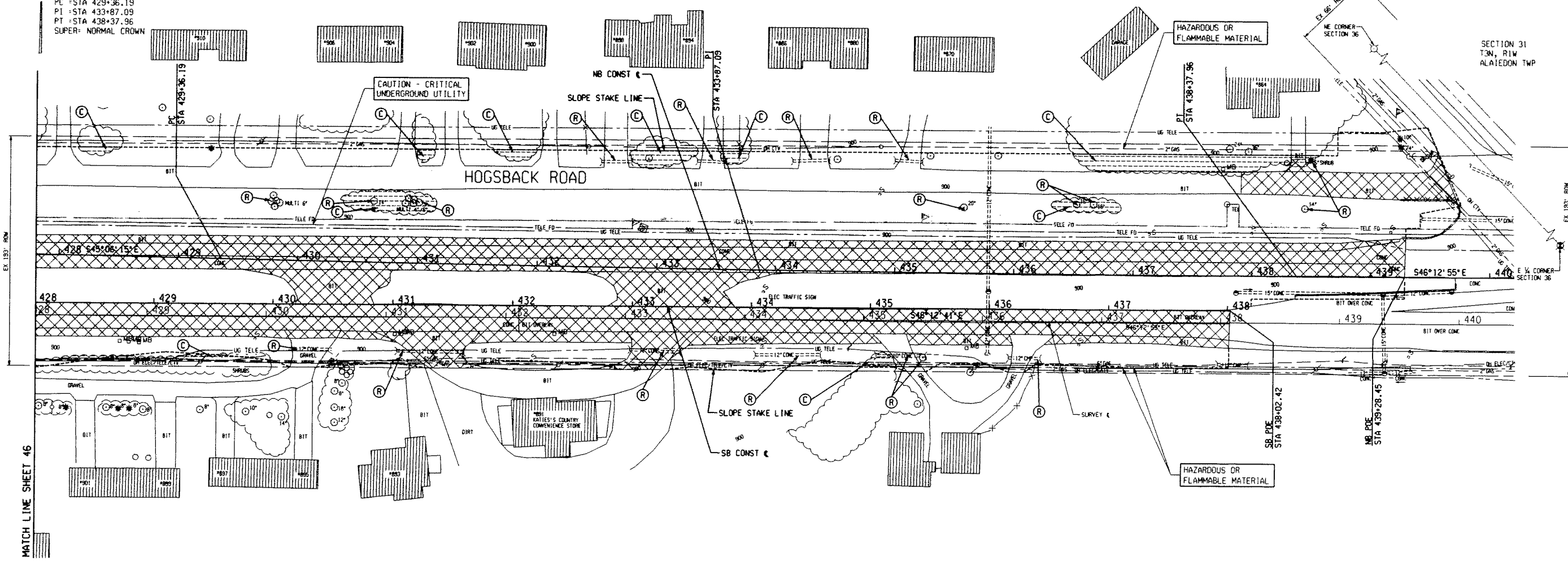


NB CONSTRUCTION
 CURVE DATA
 $\Delta = 1^{\circ}06'40"$ (RT)
 $D = 0^{\circ}07'24"$
 $R = 46500.00'$
 $T = 450.90'$
 $L = 901.77'$
 $E = 2.19'$
 $PC = STA 429+36.19$
 $PI = STA 433+87.09$
 $PT = STA 438+37.96$
 SUPER: NORMAL CROWN

SECTION 36
 T3N, R2W
 DELHI TWP

N COLLEGE ROAD

SECTION 31
 T3N, R1W
 ALALEDON TWP



MATCH LINE SHEET 46

REMOVAL LEGEND	
REMOVING PAVEMENT	
REMOVING	
REMOVING GUARDRAIL	
CLEARING	
RELOCATE - BY OTHERS	
REMOVING CURB, GUTTER AND CURB & GUTTER	

REMOVAL QUANTITIES - THIS SHEET

16	Ea	Tree, Rem, 6 inch to 18 inch
1	Ea	Tree, Rem, 19 inch to 36 inch
10	Ea	Culv, Rem, Less than 24 inch
55	Ft	Curb and Gutter, Rem
8475	Syd	Pavt, Rem
0.2	Acre	Clearing

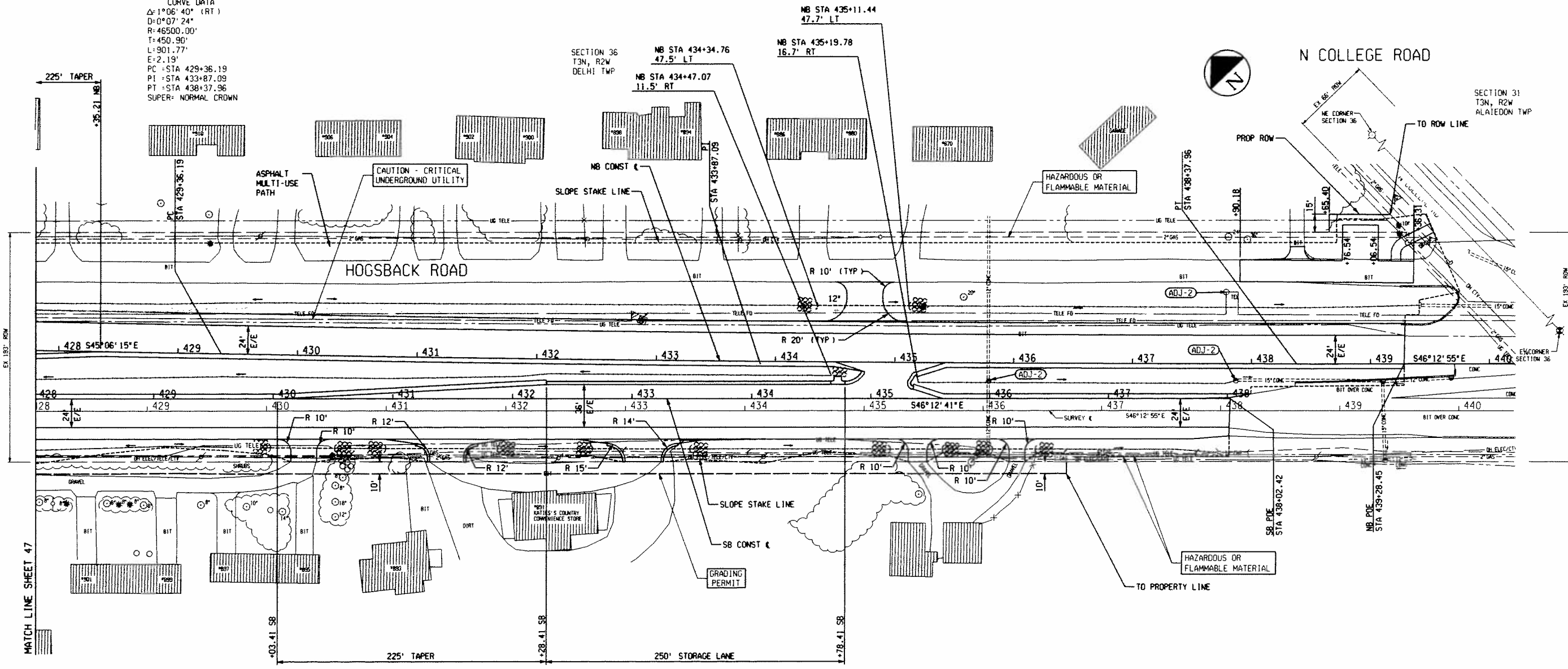
NOTE:
 REMOVAL OF TREES LESS THAN 6 INCH IN DIAMETER SHALL BE INCLUDED IN EXCAVATION, EARTH

REV	DESCRIPTION	BY	DATE	CHK'D

TE TETRA TECH

DESIGNED	A. FLAK	CHECKED	AJL
SCALE	1"=40'	CADD DATE	04-28-08 A.M. 05
PART # 1-200-12795-09001-CAD/SHEET/FILES/REV1.DWG			
INGHAM COUNTY ROAD COMMISSION			
CEDAR STREET IMPROVEMENTS - HDL BRD. TO COLLEGE			
DELHI TOWNSHIP, MICHIGAN			
REMOVAL PLAN			
CEDAR STREET			
STA 428+00 TO POE			
DIVISION	CONTRACT	SHEET	
	12795-09001-N-1	51	
		OF	100

NB CONSTRUCTION & CURVE DATA
 $\Delta = 1^{\circ}06'40''$ (RT)
 $D = 0^{\circ}07'24''$
 $R = 46500.00'$
 $T = 450.90'$
 $L = 901.77'$
 $E = 2.19'$
 $PC = STA 429+36.19$
 $PI = STA 433+87.09$
 $PT = STA 438+37.96$
 SUPER = NORMAL CROWN



MATCH LINE SHEET 47

STATION	Driveway		DRIVEWAY APPROACHES				
	Opening	Conc	APPR.	HMA	Driveway	CULVERT	Culv End
	Det	Det	CL 1,	Appr	Nonreinf	SIZE*	Sect, Conc,
	Ft	Ft	6 inch	Syd	Conc, 8 inch	Inch	12 inch
430+27 RT			51	10	96	12	2
431+38 RT			92	16		12	2
433+19 RT			83	14		12	2
435+29 RT			48	9		12	2
436+25 RT			39	8		12	2
HOGSBACK			20	9		12	2
TOTAL			333	66			12

*FOR INFORMATION ONLY

QUANTITIES - THIS SHEET

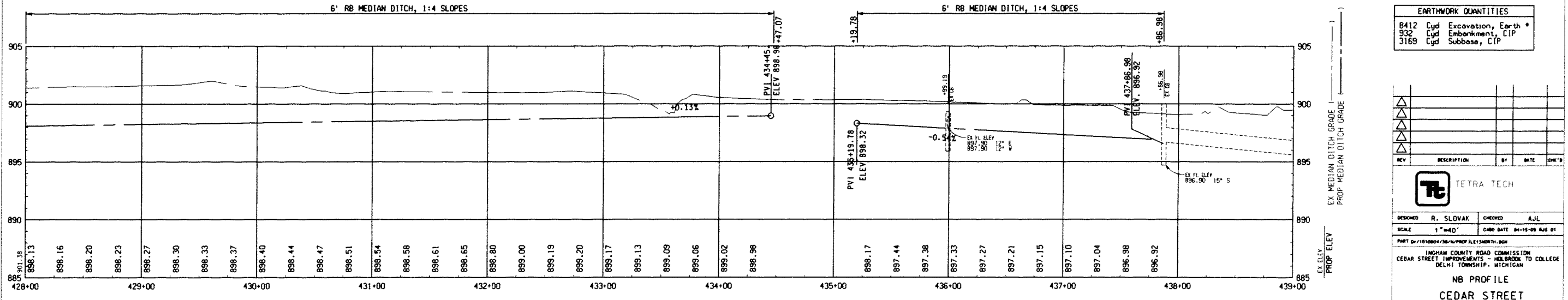
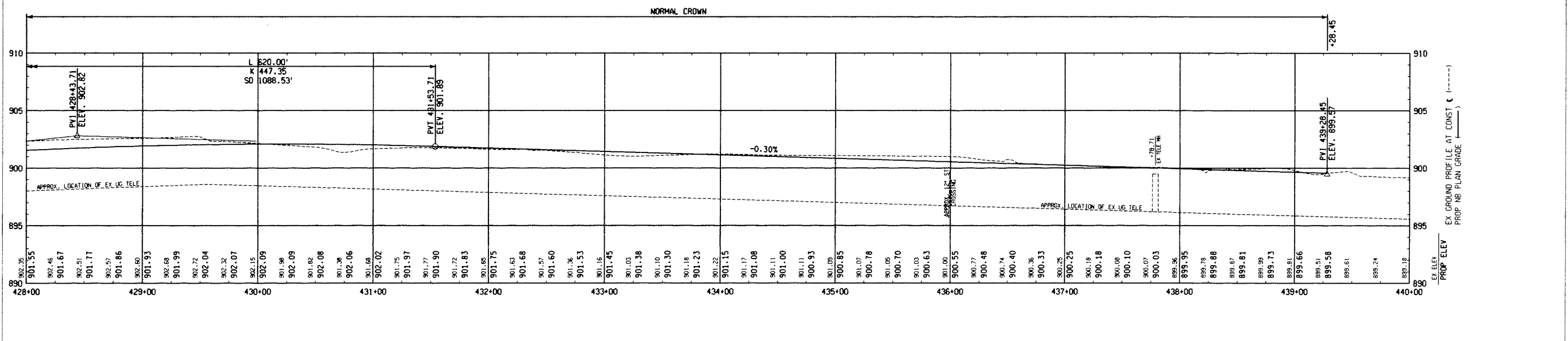
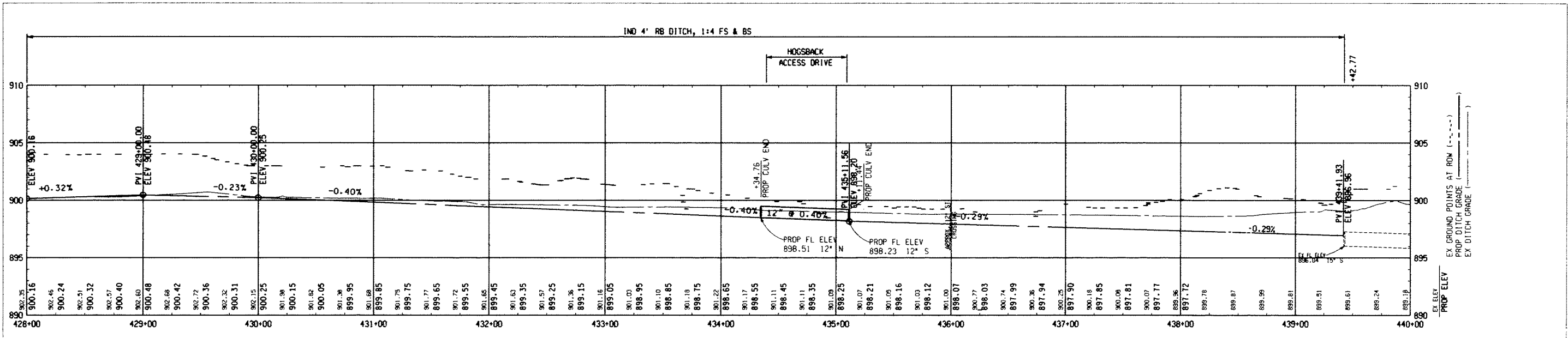
11052	Syd	Aggregate Base, 8 inch
409	Syd	Shoulder, C1 I1, 6 inch
424	Ft	Culv, C1 A, Conc, 12 inch
3	Ea	Dr Structure Cover, Adj, Case 2
4265	Ft	Underdrain, Subgrade, 6 inch
300	Ft	Underdrain Outlet, 6 inch
12	Ea	Underdrain, Outlet Ending, 6 inch
2176	Ton	HMA, 2C
1088	Ton	HMA, 4E3
992	Ton	HMA, 5E3
96	Ton	HMA, 5E3, High Stress
62	Ton	HMA Approach
291	Ft	Curb and Gutter, Conc, Det B2
6492	Syd	Slope Restoration

REV	DESCRIPTION	BY	DATE	CHK'D

DESIGNED: A. FLAK CHECKED: AJL
 SCALE: 1"=40' CAD DATE: 04-28-09 A/P 11
 PART P://200-12795-09001/ROAD/SHEET FILES/PLANS.000
 INGHAM COUNTY ROAD COMMISSION
 CEDAR STREET IMPROVEMENTS - HOLBROOK TO COLLEGE
 DELHI TOWNSHIP - MICHIGAN

CONSTRUCTION PLAN
CEDAR STREET
STA 428+00 TO POE

DIVISION	CONTRACT	SHEET
	12795-09001-N-1	52
		OF 100



EARTHWORK QUANTITIES			
8412	Cyd	Excavation, Earth	*
532	Cyd	Embankment, CIP	
3169	Cyd	Subbase, CIP	

REV	DESCRIPTION	BY	DATE	CHK'D

TETRA TECH

DESIGNED: R. SLOVAK CHECKED: AJL

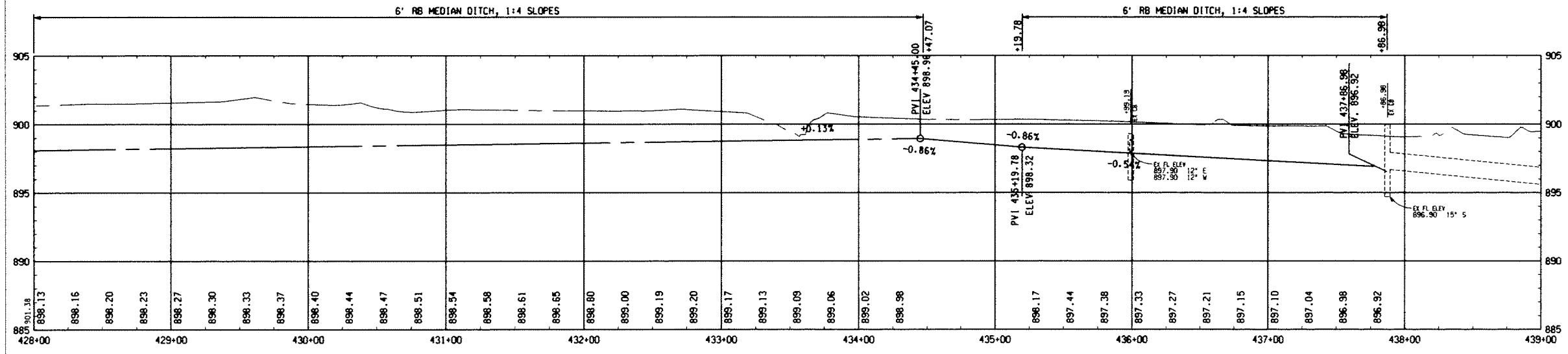
SCALE: 1"=40' CADD DATE: 04-15-09 RJS 01

PART OF 12/10/04/36-IN-PROF FILE 12/10/04

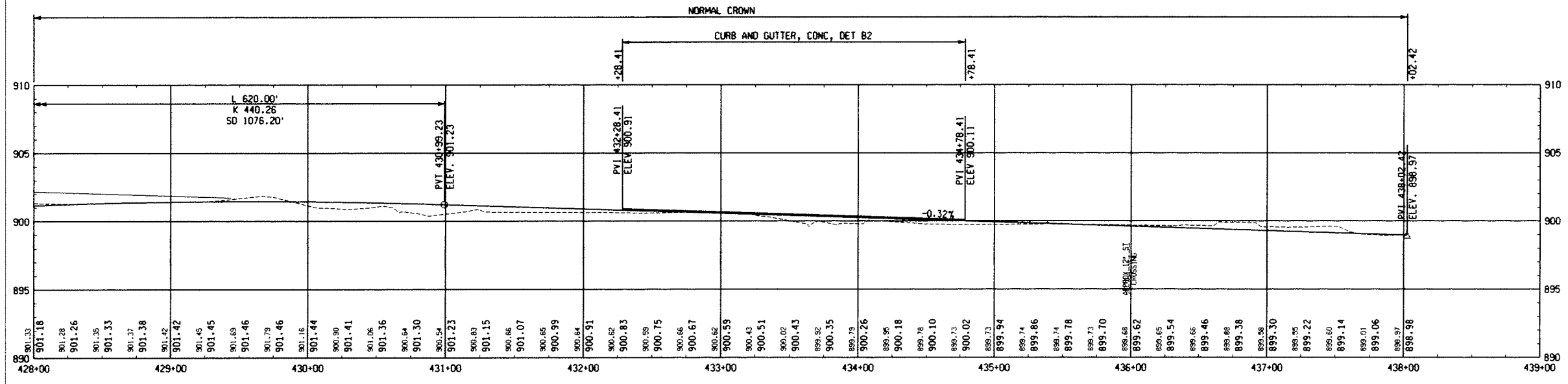
INDIAN COUNTY ROAD COMMISSION
 CEDAR STREET IMPROVEMENTS - HARBOR TO COLLEGE
 DELHI TOWNSHIP, MICHIGAN

NB PROFILE
CEDAR STREET
STA 428+00 TO POE

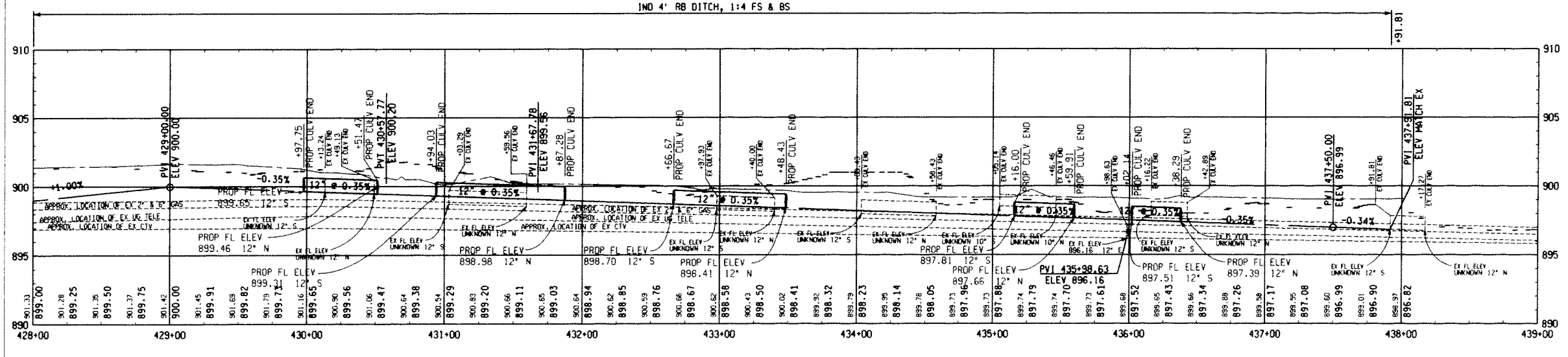
DIVISION	CONTRACT	SHEET
	12795-09001-N-1	53
		100



EX ELEV
PROP ELEV
EX MEDIAN DITCH GRADE
PROP MEDIAN DITCH GRADE



EX ELEV
PROP ELEV
EX GROUND PROFILE AT CONST t
PROP SB PLAN GRADE

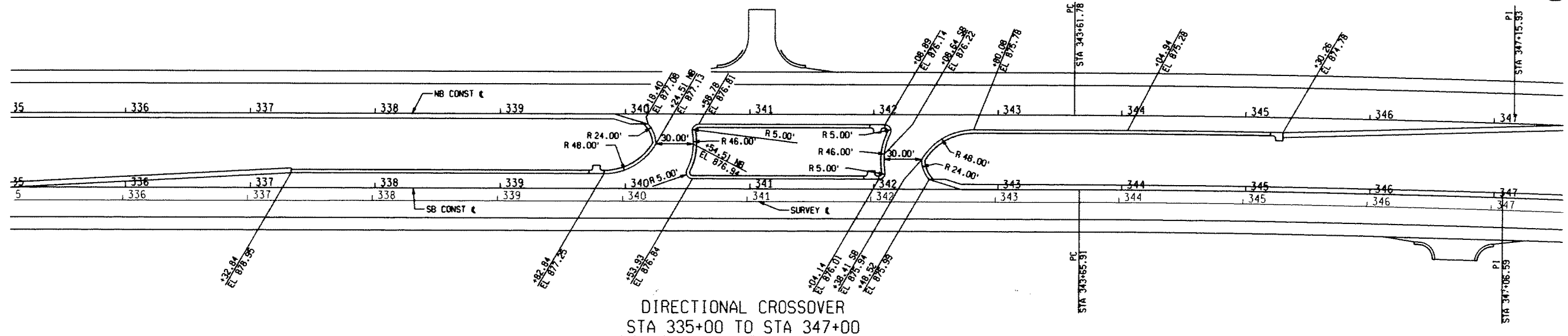


EX ELEV
PROP ELEV
EX GROUND POINTS AT ROW
PROP DITCH GRADE
EX DITCH GRADE

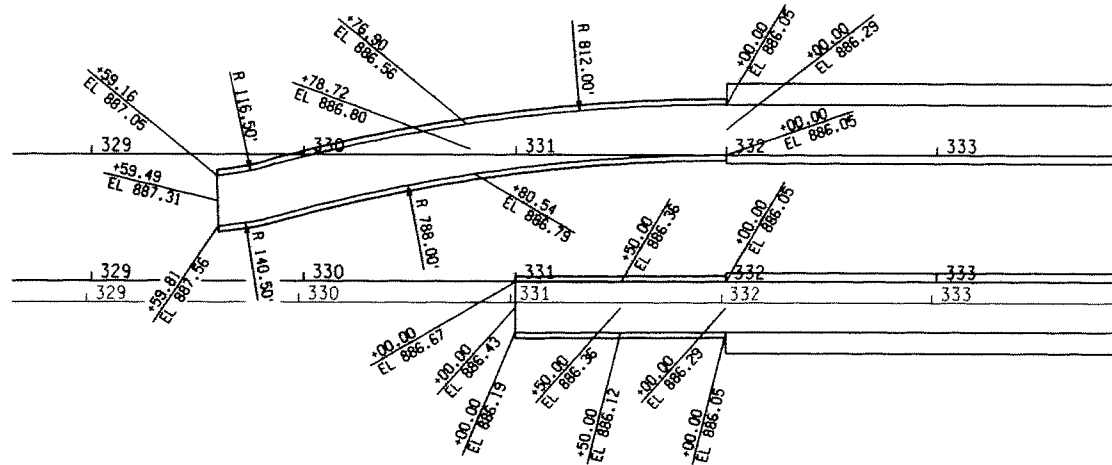
REV	DESCRIPTION	BY	DATE	CHK'D

TETRA TECH
 DESIGNED: R. SLOVAK CHECKED: AJL
 SCALE: 1"=40' CAD DATE: 04-15-09 RJS DT
 PART OF: 171010004/36/PROF ILE135207K.RDW
 INGHAM COUNTY ROAD COMMISSION
 CEDAR STREET IMPROVEMENTS - HOLBROOK TO COLLEGE
 DELHI TOWNSHIP, MICHIGAN
SB PROFILE
CEDAR STREET
STA 428+00 TO POE


DIVISION	CONTRACT	SHEET
	12795-09001-N-1	54
		OF 100

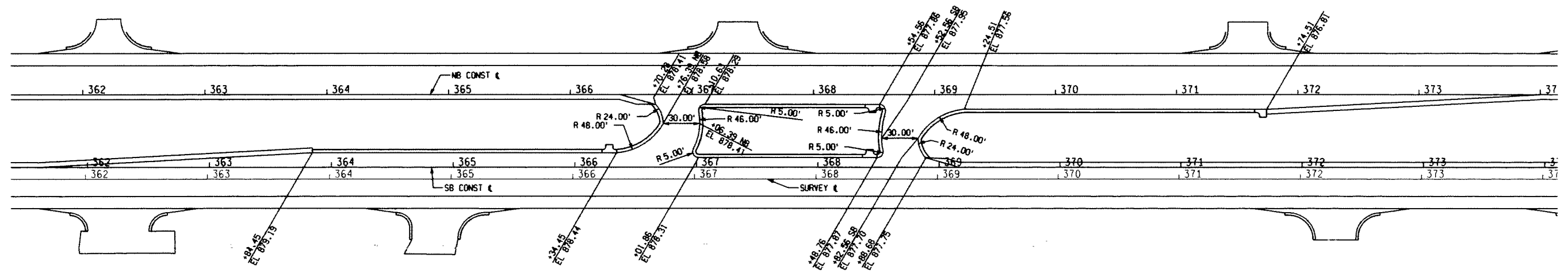


DIRECTIONAL CROSSOVER
STA 335+00 TO STA 347+00

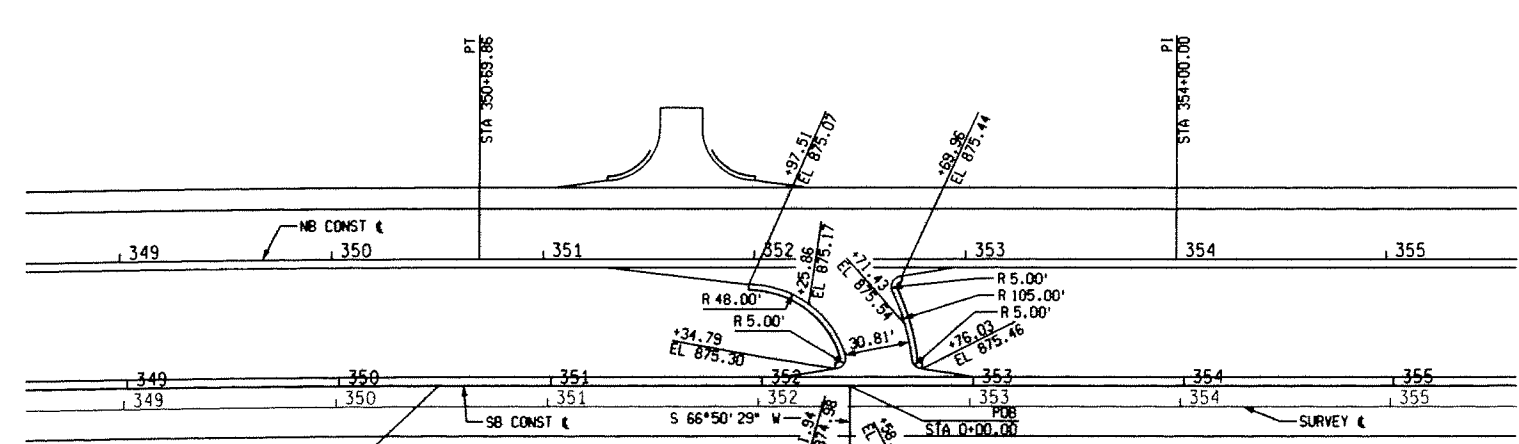


ROUNDBOUT APPROACH
POB TO STA 332+00

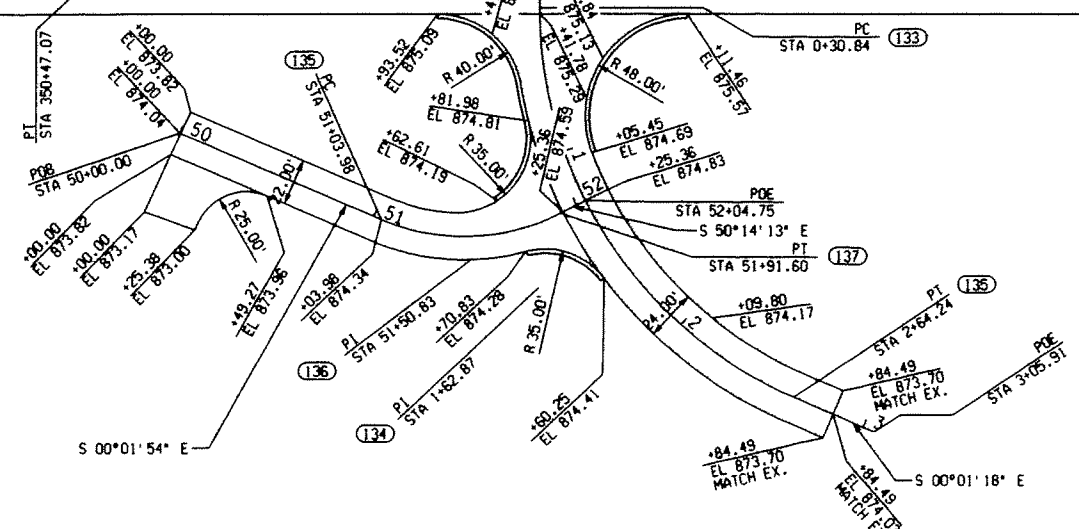
▲				
▲				
▲				
▲				
▲				
REV	DESCRIPTION	BY	DATE	CHK'D
 TETRA TECH				
DESIGNED	R. SLOVAK	CHECKED	AJL	
SCALE	1"=40'	CHG DATE	04-21-09 RJS DT	
PART OF 12/10/00/4/30/09/000212.RDW				
INGHAM COUNTY ROAD COMMISSION CEDAR STREET IMPROVEMENTS - HOLDEN TO COLLEGE DELHI TOWNSHIP, MICHIGAN				
DETAIL GRADES CEDAR STREET				
DIVISION	CONTRACT	SHEET		
	12795-09001-N-1	55	OF 100	



DIRECTIONAL CROSSOVER
STA 362+00 TO STA 373+00



DIRECTIONAL CROSSOVER STA 352+43



EDGAR ROAD &
CURVE DATA
 $\Delta=66^{\circ}51'47"$ (LT)
 $D=28^{\circ}38'52"$
 $R=200.00'$
 $T=132.03'$
 $L=233.40'$
 $E=39.65'$
 PC: STA 0+30.84
 PI: STA 1+62.87
 PT: STA 2+64.24

OLD EDGAR ROAD &
CURVE DATA
 $\Delta=50^{\circ}12'19"$ (LT)
 $D=57^{\circ}17'45"$
 $R=100.00'$
 $T=46.85'$
 $L=87.62'$
 $E=10.43'$
 PC: STA 51+03.98
 PI: STA 51+50.83
 PT: STA 51+91.60

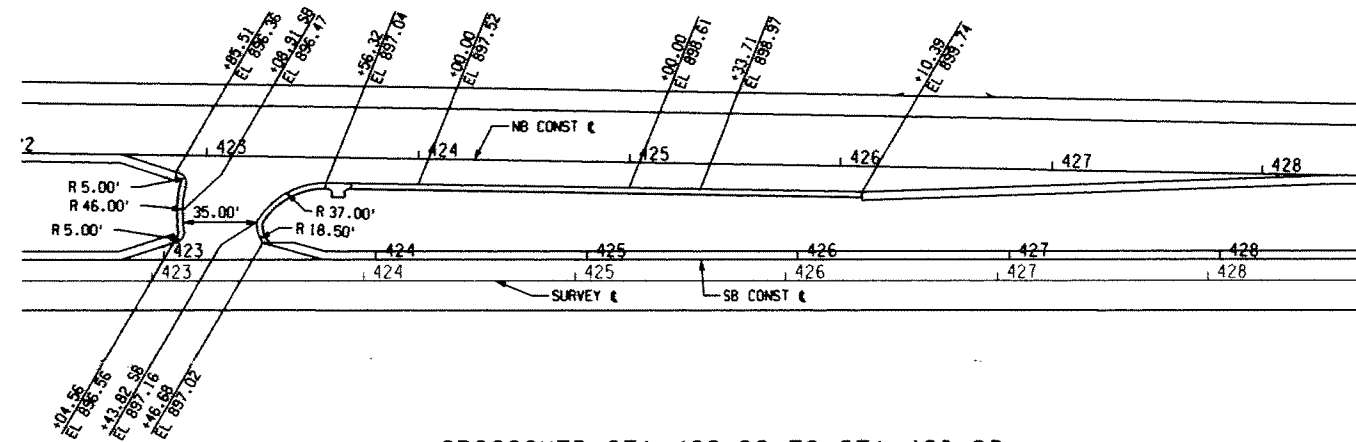
(133) PC: N=410307.98, E=13086730.38
 (134) PI: N=410256.05, E=13086608.99
 (135) PT: N=410124.02, E=13086609.04

(133) PC: N=410337.24, E=13086609.16
 (134) PI: N=410290.39, E=13086609.19
 (135) PT: N=410252.02, E=13086655.30

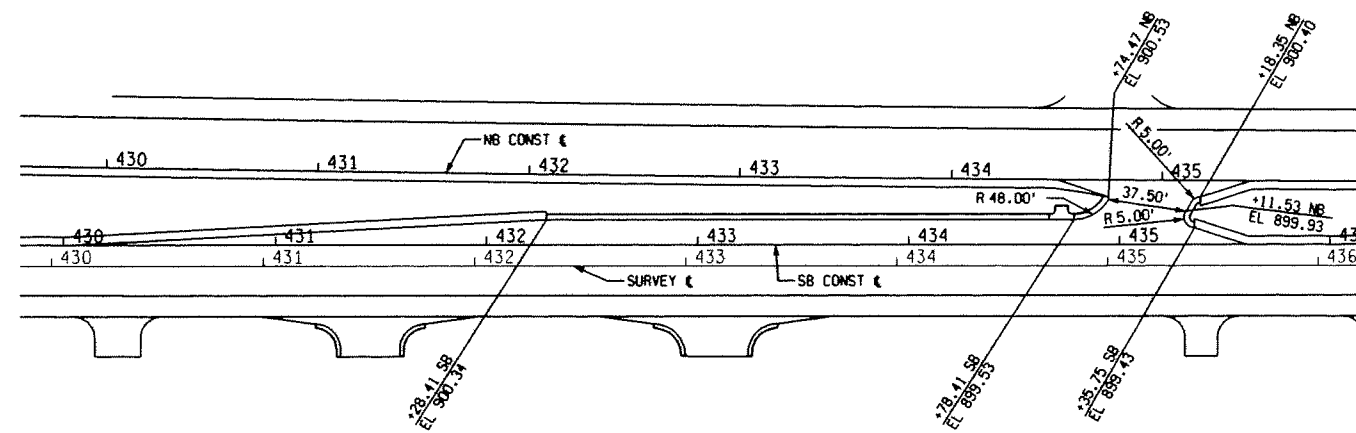
REV	DESCRIPTION	BY	DATE	CHK'D

TETRA TECH

DESIGNED	R. SLOVAK	CHECKED	A.J.L.
SCALE	1"=40'	CADD DATE	04-21-09 RAS 01
PART 01/101/0004/30/NO/0000123.B00			
INGHAM COUNTY ROAD COMMISSION CEDAR STREET IMPROVEMENTS - HOLBROOK TO COLLEGE DELMIT TOWNSHIP, MICHIGAN			
DETAIL GRADES CEDAR STREET			
DIVISION	CONTRACT	SHEET	
	12795-09001-N-1	56 OF 100	



CROSSOVER STA 423+00 TO STA 428+00



CROSSOVER STA 430+00 TO STA 435+00

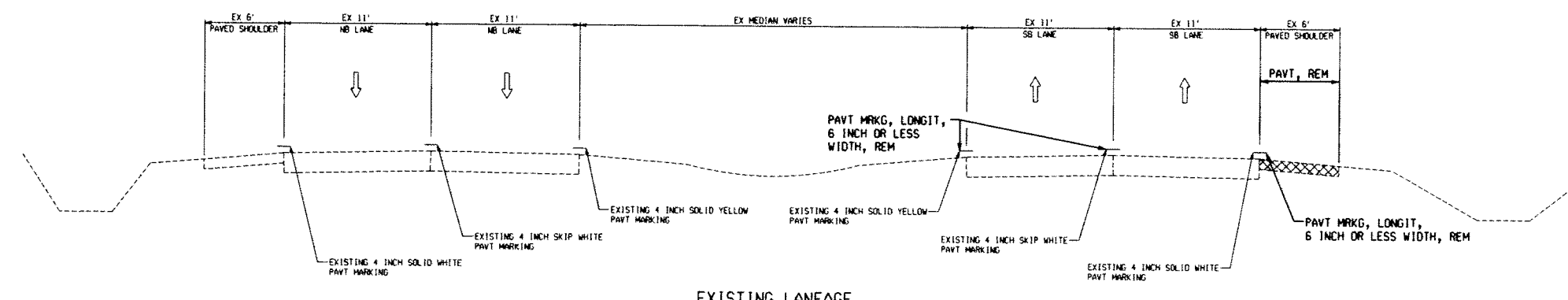
REV	DESCRIPTION	BY	DATE	CHK'D



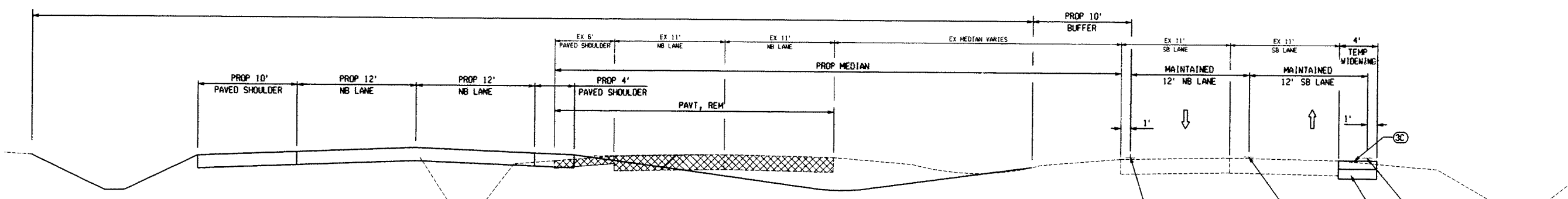
DESIGNED	R. SLOVAK	CHECKED	A.J.L.
SCALE	1"=40'	CHG DATE	04-21-09 RJS BY
PART 01/1010004/36/10/000125.DGN			

INGHAM COUNTY ROAD COMMISSION
 CEDAR STREET IMPROVEMENTS - HOLBROOK TO COLLEGE
 DELHI TOWNSHIP, MICHIGAN
DETAIL GRADES
CEDAR STREET

DIVISION	CONTRACT	SHEET
	12795-09001-N-1	59
		of 100

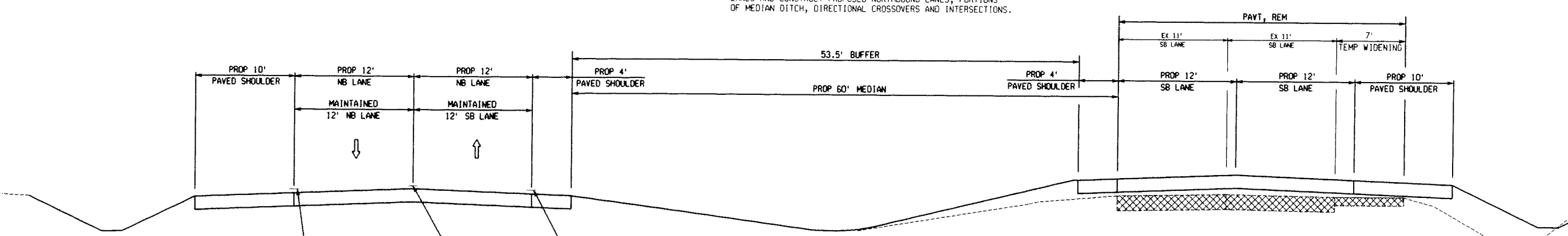


EXISTING LANEAGE



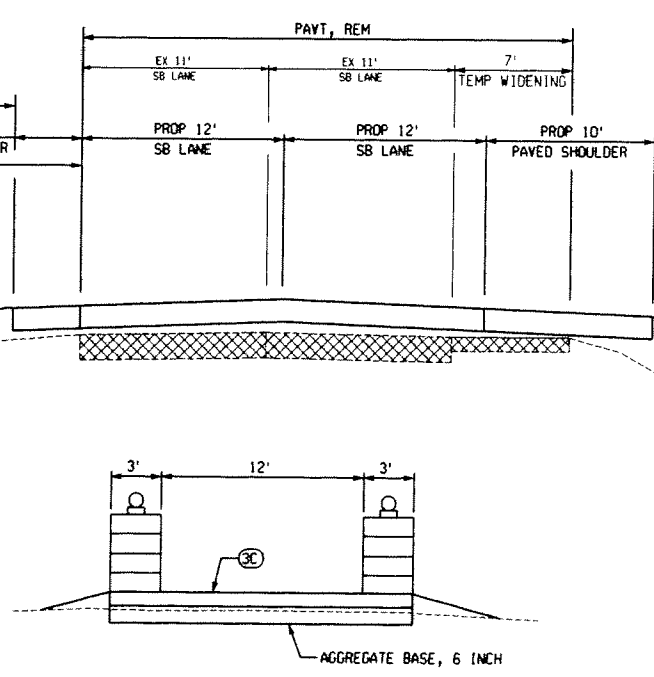
STAGE 1

CLOSE EXISTING NB CEDAR BETWEEN HOLBROOK AND COLLEGE. MAINTAIN ONE LANE NORTHBOUND AND ONE LANE SOUTHBOUND ON EXISTING SOUTHBOUND LANES. REMOVE EXISTING NORTHBOUND LANES AND CONSTRUCT PROPOSED NORTHBOUND LANES, PORTIONS OF MEDIAN DITCH, DIRECTIONAL CROSSOVERS AND INTERSECTIONS.



STAGE 2

CLOSE EXISTING SB CEDAR BETWEEN HOLBROOK AND COLLEGE. MAINTAIN ONE LANE NORTHBOUND AND ONE LANE SOUTHBOUND ON NEWLY CONSTRUCTED NB LANES. REMOVE EXISTING SOUTHBOUND LANES AND CONSTRUCT PROPOSED SOUTHBOUND LANES, AND REMAINDER OF MEDIAN DITCH, DIRECTIONAL CROSSOVERS AND INTERSECTIONS.



TEMPORARY CROSSOVER

HMA APPLICATION ESTIMATE

IDENT NO.	ITEM	RATE PER SYD	PERFORMANCE GRADE	REMARKS
3C	HOT MIX ASPHALT - 3C	550*	64-22	TEMP WIDENING AND CROSSOVERS-2 LIFTS
	* BITUMINOUS BOND COAT	0-0.10 GAL		

*FOR INFORMATION ONLY

STAGE 3

REMOVE CROSSOVERS AT TERMINI NEAR HOLBROOK AND COLLEGE. COMPLETE MEDIAN, CURB WORK AND MINOR ASPHALT WORK IN THESE AREAS. MAINTAIN TRAFFIC - UTILIZE MOOT STANDARD LANE CLOSURES WHERE NEEDED.

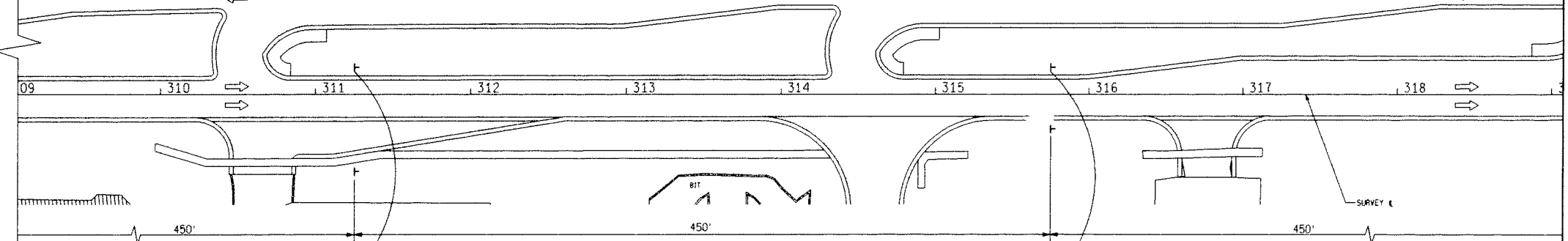
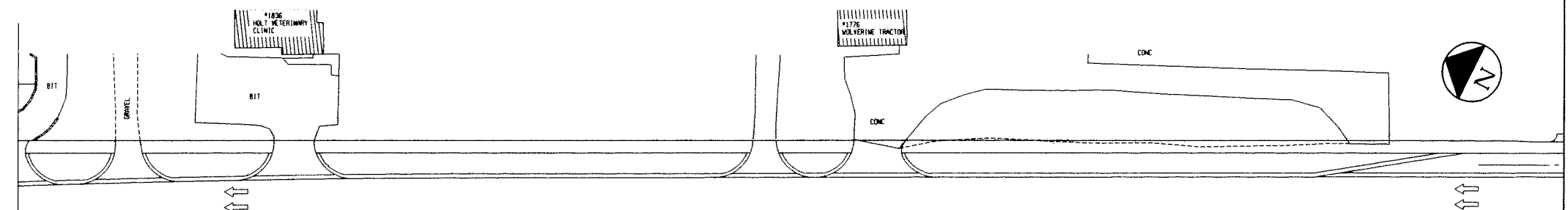
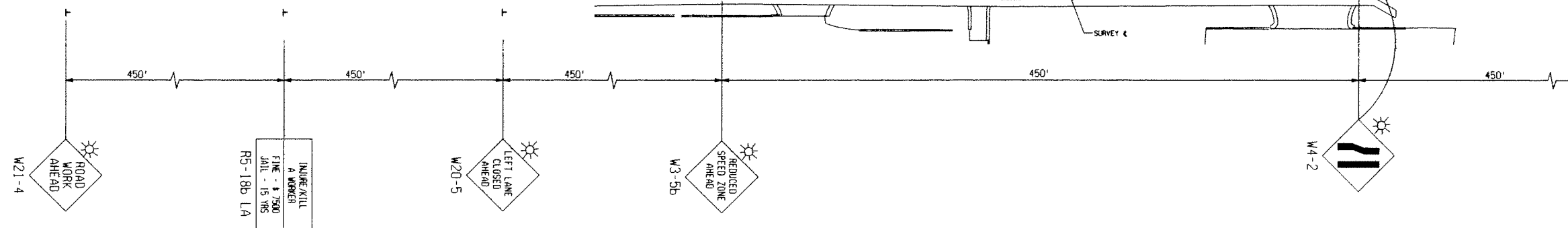
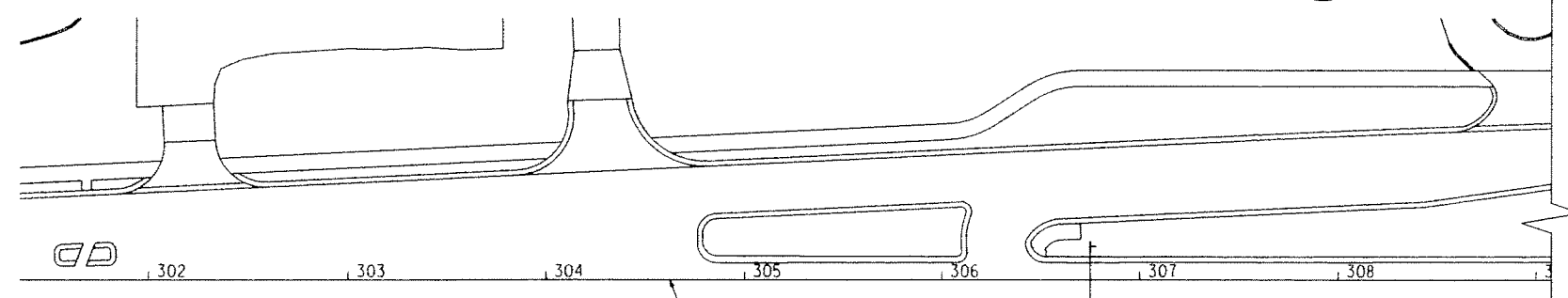
NOTE:
SEE PAVEMENT MARKING & SIGNING PLANS FOR FINAL PAVEMENT MARKINGS.

LEGEND

- LIGHTED DRUM
- PROPOSED PAVEMENT MARKING
- EXISTING PAVEMENT MARKING
- PAVEMENT REMOVAL

DESIGNED	R. SLOVAK	CHECKED	AJL
SCALE	NONE	DATE	04-21-08 RUS BY
PART ... 200-12795-09001/CAD/SHEET/TRAFF-IMPR-TYP.BOM			
INDIAN COUNTY ROAD COMMISSION CEDAR STREET IMPROVEMENTS - HOLBROOK TO COLLEGE DELMH TOWNSHIP, WISCONSIN			
MAINTAINING TRAFFIC LANE		MAINTAINING TRAFFIC TYPICAL SECTIONS	
DIVISION	CONTRACT	SHEET	
	12795-09001-N-1	60	
		of 100	

HANCOCK DRIVE



CHARLAR DRIVE



MATCH LINE SHEET 62

LEGEND	
	TYPE II BARRICADE (DRUM)
	LIGHTED ARROW
	TEMPORARY SIGN TYPE B
	TYPE II BARRICADE
	TYPE III BARRICADE
	CONSTRUCTION AREA
	TRAFFIC FLOW ARROW

NOTES:
1. MAINTAIN ACCESS TO DRIVES AND INTERSECTIONS AT ALL TIMES. (TYP)

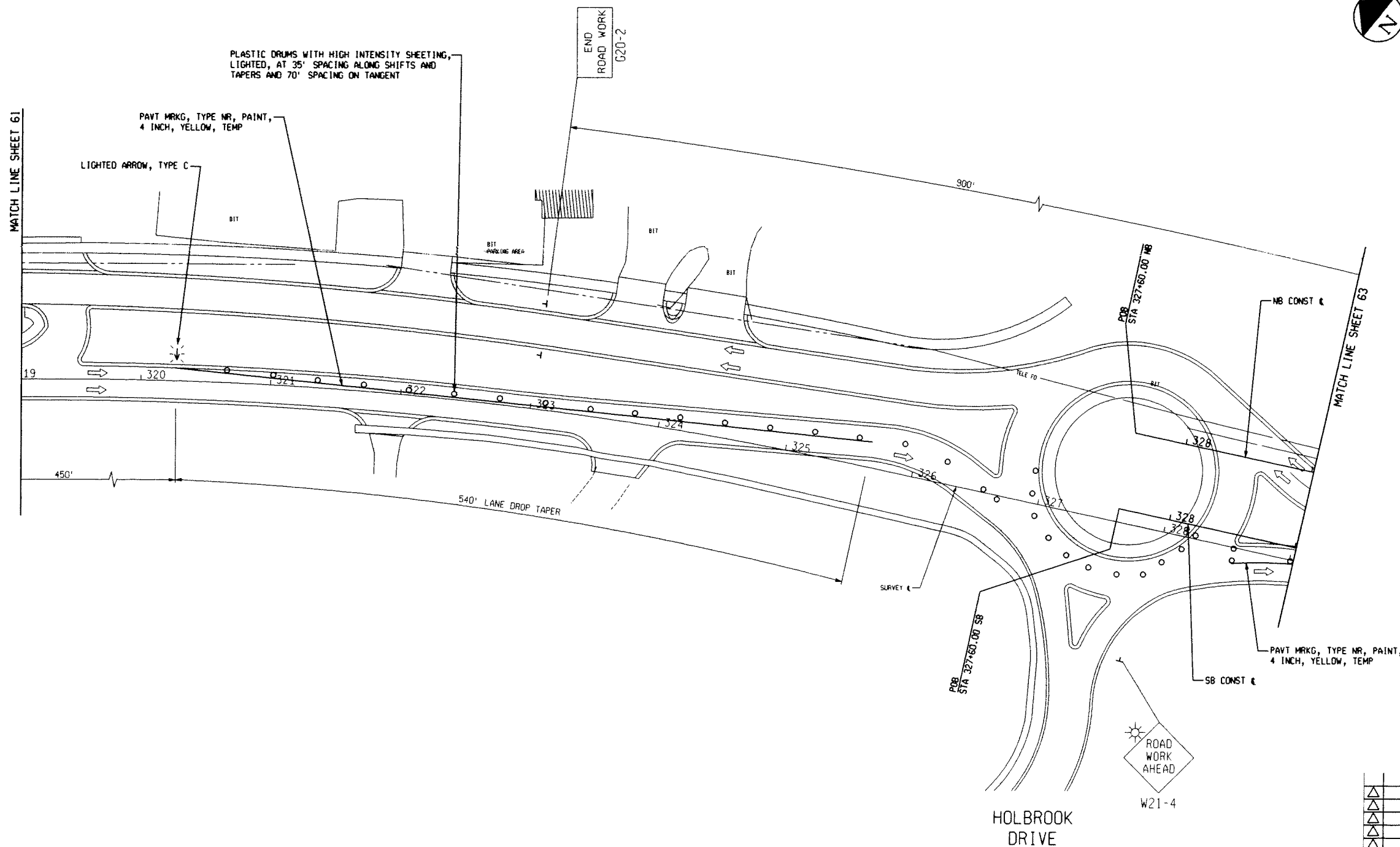
MAINTAINING TRAFFIC QUANTITIES - THIS SHEET

XX Sft Sign, Type B, Temp, Furn
XX Sft Sign, Type B, Temp, Oper

REV	DESCRIPTION	BY	DATE	CHK'D

DESIGNED R. SLOVAK	CHECKED AJL
SCALE 1"=60'	CADD DATE 4-21-09 RJS BY
PART ...200-12795-09001-CAD/SHEET/FILES/MT/ST1.DWG	
MICHIGAN COUNTY ROAD COMMISSION CEDAR STREET IMPROVEMENTS - MILBROOK TO COLLEGE DELHI TOWNSHIP, MICHIGAN	
MAINTAINING TRAFFIC PLAN STAGE 1 CEDAR STREET POB ADVANCED WARNING	
DIVISION 12795-09001-N-1	SHEET 61 OF 100

SECTION 23
T3N R2W
DELHI TWP



LEGEND	
	TYPE II BARRICADE (DRUM)
	LIGHTED ARROW
	TEMPORARY SIGN TYPE B
	TYPE II BARRICADE
	TYPE III BARRICADE
	CONSTRUCTION AREA
	TRAFFIC FLOW ARROW

NOTES:

1. MAINTAIN ACCESS TO DRIVES AND INTERSECTIONS AT ALL TIMES. (TYP)
2. REMOVE EXISTING PAVEMENT MARKINGS PER MUTCOD SECTION 6F.71

MAINTAINING TRAFFIC QUANTITIES - THIS SHEET

2000	Ft	Pavt Mrkg, Longit, 6 inch or Less Width, Rem
2000	Ft	Pavt Mrkg, Type NR, Paint, 4 inch, Yellow, Temp
14	Ea	Plastic Drum, High Intensity, Lighted, Furn
14	Ea	Plastic Drum, High Intensity, Lighted, Oper
16	Sft	Sign, Type B, Temp, Furn
16	Sft	Sign, Type B, Temp, Oper

REV	DESCRIPTION	BY	DATE	CHK'D



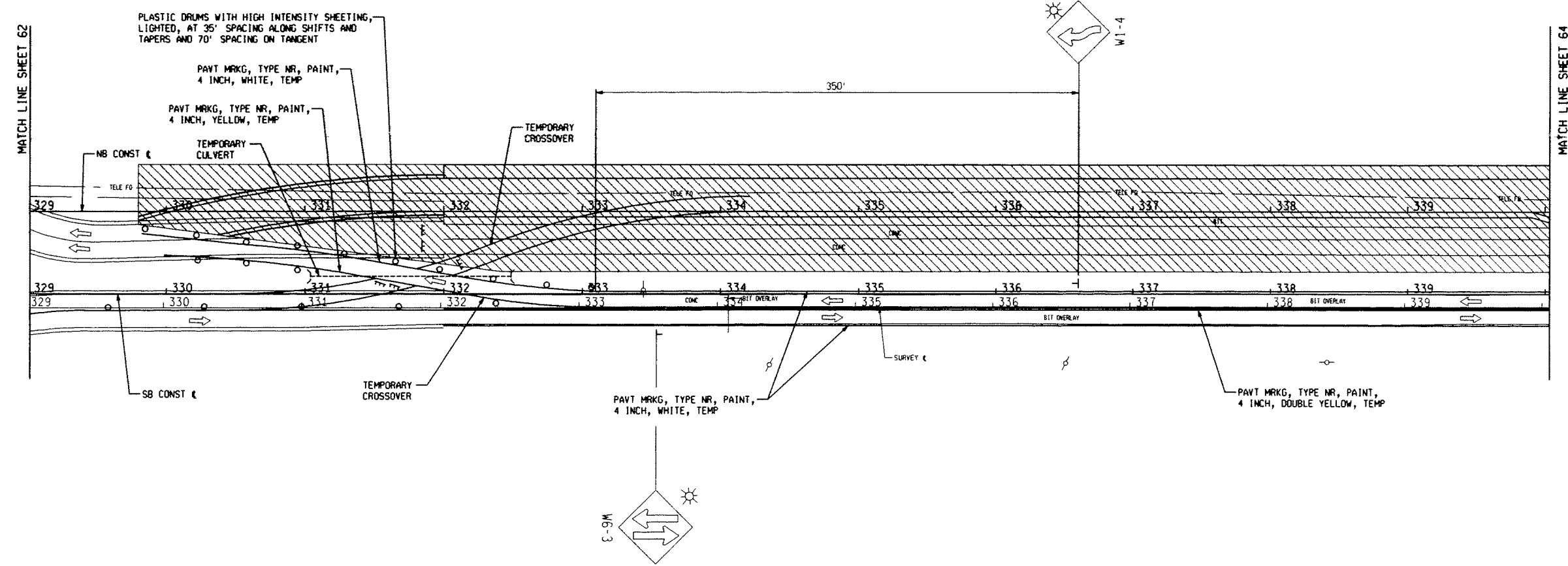
DESIGNED	R. SLOVAK	CHECKED	AJL
SCALE	1"=40'	CARD DATE	04-21-09 RLS 01

PART ... 200-12795-09001/LEAD/SHEET FILES/INT/TP/ST1-62.dwg
INGHAM COUNTY ROAD COMMISSION
CEDAR STREET IMPROVEMENTS - HOLBROOK TO COLLEGE
DELHI TOWNSHIP, MICHIGAN

MAINTAINING TRAFFIC PLAN
STAGE 1
CEDAR STREET
STA 319+00 TO 329+00

DIVISION	CONTRACT	SHEET
12795-09001-N-1	62	of 100

SECTION 23
T3N, R2W
DELHI TWP



PLASTIC DRUMS WITH HIGH INTENSITY SHEETING,
LIGHTED, AT 35' SPACING ALONG SHIFTS AND
TAPERS AND 70' SPACING ON TANGENT

PAVT MRKG, TYPE NR, PAINT,
4 INCH, WHITE, TEMP

PAVT MRKG, TYPE NR, PAINT,
4 INCH, YELLOW, TEMP

TEMPORARY
CULVERT

TEMPORARY
CROSSOVER

350'



W1-4

MATCH LINE SHEET 62

MATCH LINE SHEET 64

NB CONST
TELE PD

329

330

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332

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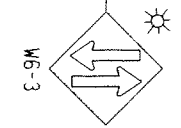
SB CONST

TEMPORARY
CROSSOVER

PAVT MRKG, TYPE NR, PAINT,
4 INCH, WHITE, TEMP

SURVEY

PAVT MRKG, TYPE NR, PAINT,
4 INCH, DOUBLE YELLOW, TEMP



W3-3

LEGEND	
	TYPE II BARRICADE (DRUM)
	LIGHTED ARROW
	TEMPORARY SIGN TYPE B
	TYPE II BARRICADE
	TYPE III BARRICADE
	CONSTRUCTION AREA
	TRAFFIC FLOW ARROW

NOTES:
1. MAINTAIN ACCESS TO DRIVES AND
INTERSECTIONS AT ALL TIMES.
(TYP)

MAINTAINING TRAFFIC QUANTITIES - THIS SHEET

390	Syd	Pavt, Rem
300	Ton	HMA, 3C
1080	Syd	Aggregate Base, 6 inch
1626	Ft	Pavt Mrkg, Longit, 6 inch or Less Width, Rem
600	Ft	Pavt Mrkg, Type NR, Paint, 4 inch, Yellow, Temp
600	Ft	Pavt Mrkg, Type NR, Paint, 4 inch, White, Temp
1450	Ft	Pavt Mrkg, Type R, Paint, 4 inch, Yellow, Temp
2350	Ft	Pavt Mrkg, Type R, Paint, 4 inch, White, Temp
30	Ea	Plastic Drum, High Intensity, Lighted, Furn
30	Ea	Plastic Drum, High Intensity, Lighted, Oper
64	Sft	Sign, Type B, Temp, Furn
64	Sft	Sign, Type B, Temp, Oper
1	Ea	Culv, Temp
2	Ea	Barricade, Type III, High Intensity, Lighted, Furn
2	Ea	Barricade, Type III, High Intensity, Lighted, Oper

REV	DESCRIPTION	BY	DATE	CHK'D

TETRA TECH

DESIGNED	R. SLOVAK	CHECKED	AJL
SCALE	1"=40'	CADD DATE	04-21-08 RJS 01

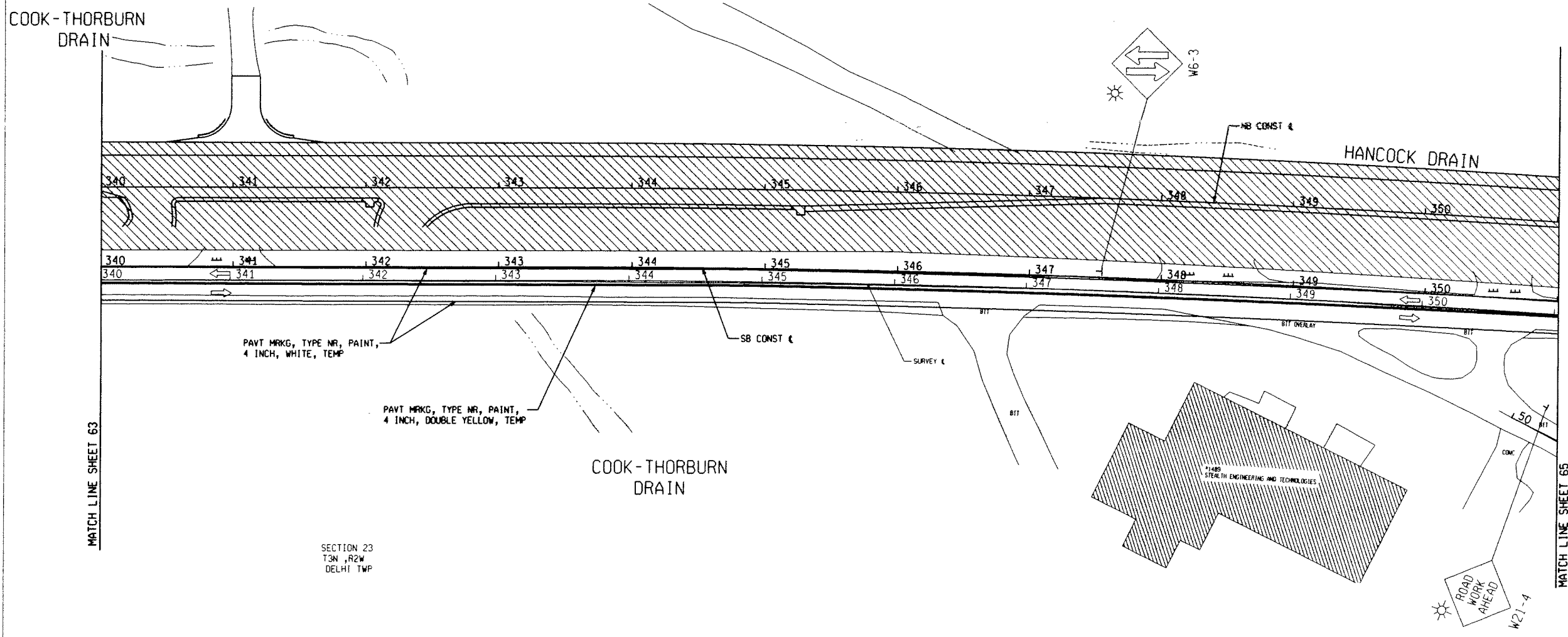
PART ...200-12795-09001/PLAN/SHEET 1/FILES/PART/04/01/004

INGHAM COUNTY ROAD COMMISSION
CEDAR STREET IMPROVEMENTS - HOLDEN TO COLLEGE
DELHI TOWNSHIP, MICHIGAN

MAINTAINING TRAFFIC
STAGE 1
CEDAR STREET
STA 329+00 TO 340+00

DIVISION	CONTRACT	SHEET
	12795-09001-N-1	63 of 100

SECTION 24
T3N ,R2W
DELHI TWP



MATCH LINE SHEET 63

MATCH LINE SHEET 65

SECTION 23
T3N ,R2W
DELHI TWP

LEGEND	
	TYPE II BARRICADE (DRUM)
	LIGHTED ARROW
	TEMPORARY SIGN TYPE B
	TYPE II BARRICADE
	TYPE III BARRICADE
	CONSTRUCTION AREA
	TRAFFIC FLOW ARROW

NOTES:
1. MAINTAIN ACCESS TO DRIVES AND INTERSECTIONS AT ALL TIMES. (TYP)

MAINTAINING TRAFFIC QUANTITIES - THIS SHEET

856	Syd	Pavt, Rem
235	Ton	HMA, 3C
856	Syd	Aggregate Base, 6 inch
2250	Ft	Pavt Mrkg, Longit, 6 inch or Less Width, Rem
2000	Ft	Pavt Mrkg, Type NR, Paint, 4 inch, Yellow, Temp
1815	Ft	Pavt Mrkg, Type NR, Paint, 4 inch, White, Temp
16	Sft	Sign, Type B, Temp, Furn
16	Sft	Sign, Type B, Temp, Oper

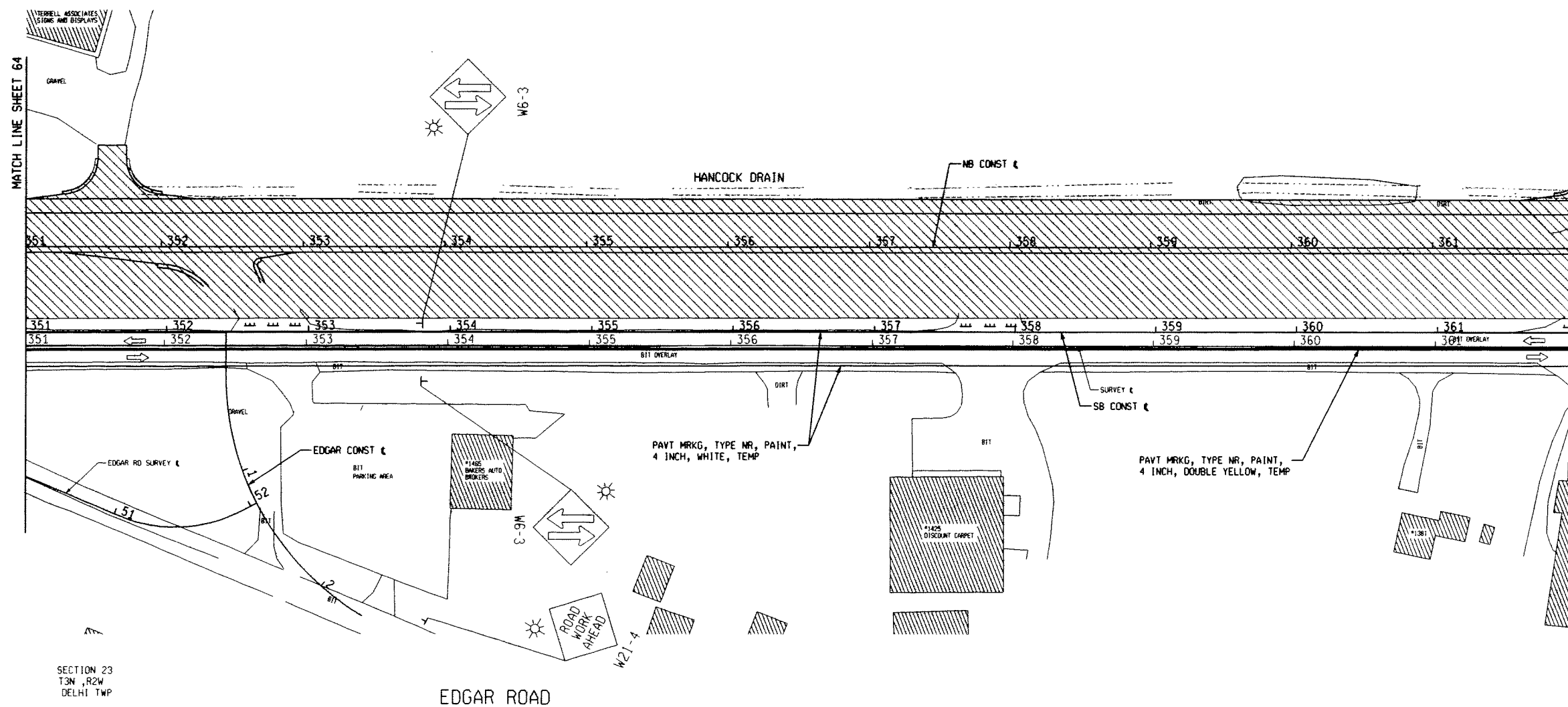
REV	DESCRIPTION	BY	DATE	CHK'D



DESIGNED	R. SLOVAK	CHECKED	AJL
SCALE	1"=60'	CADD DATE	04-01-09 RLS BY
PART ... 200-12795-09001/CADD/SHEET FILES/INT/INT64.DWG			
INCHAM COUNTY ROAD COMMISSION			
CEDAR STREET IMPROVEMENTS - HOLLAND TO COLLEGE			
DELHI TOWNSHIP, MICHIGAN			
MAINTAINING TRAFFIC			
STAGE 1			
CEDAR STREET			
STA 340+00 TO 351+00			
DIVISION	CONTRACT	SHEET	
12795-09001-N-1		64	
		of 100	

SECTION 24
T3N ,R2W
DELHI TWP

SECTION 25
T3N ,R2W
DELHI TWP



SECTION 23
T3N ,R2W
DELHI TWP

SECTION 26
T3N ,R2W
DELHI TWP

LEGEND	
	TYPE II BARRICADE (DRUM)
	LIGHTED ARROW
	TEMPORARY SIGN TYPE B
	TYPE II BARRICADE
	TYPE III BARRICADE
	CONSTRUCTION AREA
	TRAFFIC FLOW ARROW

NOTES:
1. MAINTAIN ACCESS TO DRIVES AND INTERSECTIONS AT ALL TIMES. (TYP)

MAINTAINING TRAFFIC QUANTITIES - THIS SHEET

856	Syd	Pavt, Rem
235	Ton	HMA, 3C
856	Syd	Aggregate Base, 6 inch
2475	Ft	Pavt Mrkg, Longit, 6 inch or Less Width, Rem
860	Ft	Pavt Mrkg, Type NR, Paint, 4 inch, Yellow, Temp
860	Ft	Pavt Mrkg, Type NR, Paint, 4 inch, White, Temp
1340	Ft	Pavt Mrkg, Type R, 4 inch, Yellow, Temp
1340	Ft	Pavt Mrkg, Type R, 4 inch, White, Temp
7	Ea	Barricade, Type III, High Intensity, Lighted, Furn
7	Ea	Barricade, Type III, High Intensity, Lighted, Oper

REV	DESCRIPTION	BY	DATE	CHK'D



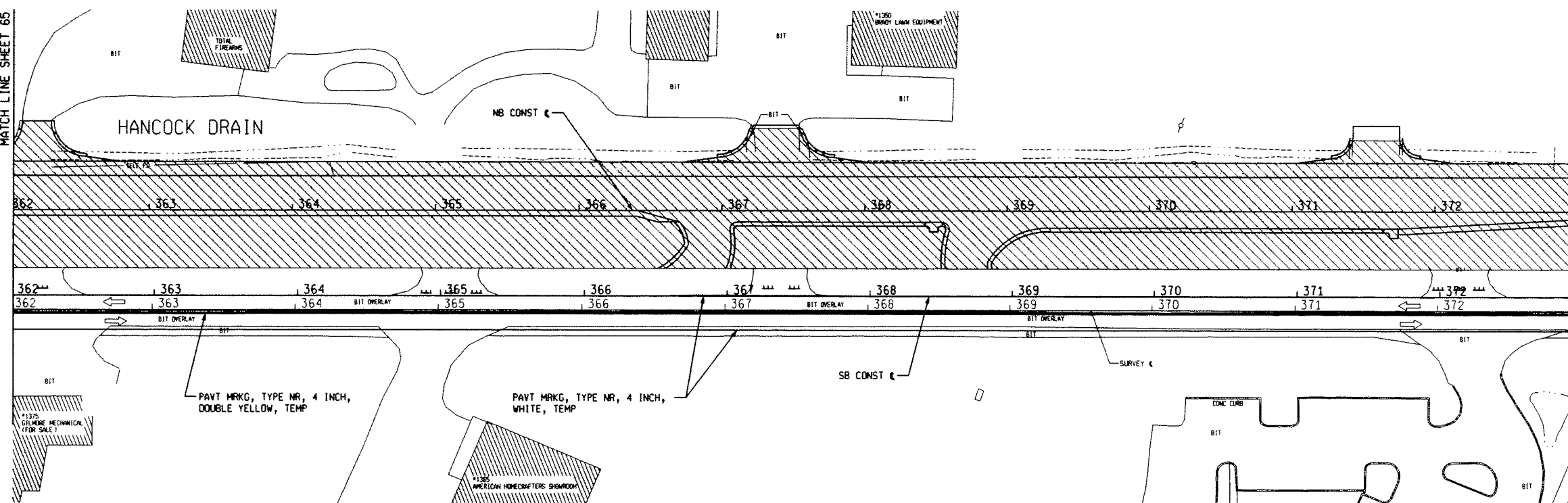
DESIGNED	R. SLOVAK	CHECKED	A.J.L.
SCALE	1"=40'	CADD DATE	04-21-09 BJS/BI
PART ...000-12795-09001/CDR/SHEET/FILES/AMTR/STG1.DWG			
INGHAM COUNTY ROAD COMMISSION CEDAR STREET IMPROVEMENTS - MILBROOK TO COLLEGE DELHI TOWNSHIP, MICHIGAN			
MAINTAINING TRAFFIC			
STAGE 1 CEDAR STREET STA 351+00 TO 362+00			
DIVISION	CONTRACT	SHEET	
12795-09001-N-1		65 OF 100	



SECTION 25
T3N, R2W
DELHI TWP

MATCH LINE SHEET 65

MATCH LINE SHEET 67



LEGEND	
	TYPE II BARRICADE (DRUM)
	LIGHTED ARROW
	TEMPORARY SIGN TYPE B
	TYPE II BARRICADE
	TYPE III BARRICADE
	CONSTRUCTION AREA
	TRAFFIC FLOW ARROW

NOTES:

1. MAINTAIN ACCESS TO DRIVES AND INTERSECTIONS AT ALL TIMES. (TYP)

MAINTAINING TRAFFIC QUANTITIES - THIS SHEET

136	Syd	Pavt, Rem
247	Ton	HMA, 3C
14	Ton	HMA, 5E3
896	Syd	Aggregate Base, 6 inch
2981	Ft	Pavt Mrkg, Longit, 6 inch or Less Width, Rem
2650	Ft	Pavt Mrkg, Type R, 4 inch, Yellow, Temp
2650	Ft	Pavt Mrkg, Type R, 4 inch, White, Temp
9	Eo	Barricade, Type III, High Intensity, Lighted, Furn
9	Eo	Barricade, Type III, High Intensity, Lighted, Oper
32	Sft	Sign, Type B, Temp, Furn
32	Sft	Sign, Type B, Temp, Oper
8	Sft	Sign, Type B, Prismatic, Furn
8	Sft	Sign, Type B, Prismatic, Oper

REV	DESCRIPTION	BY	DATE	CHK'D

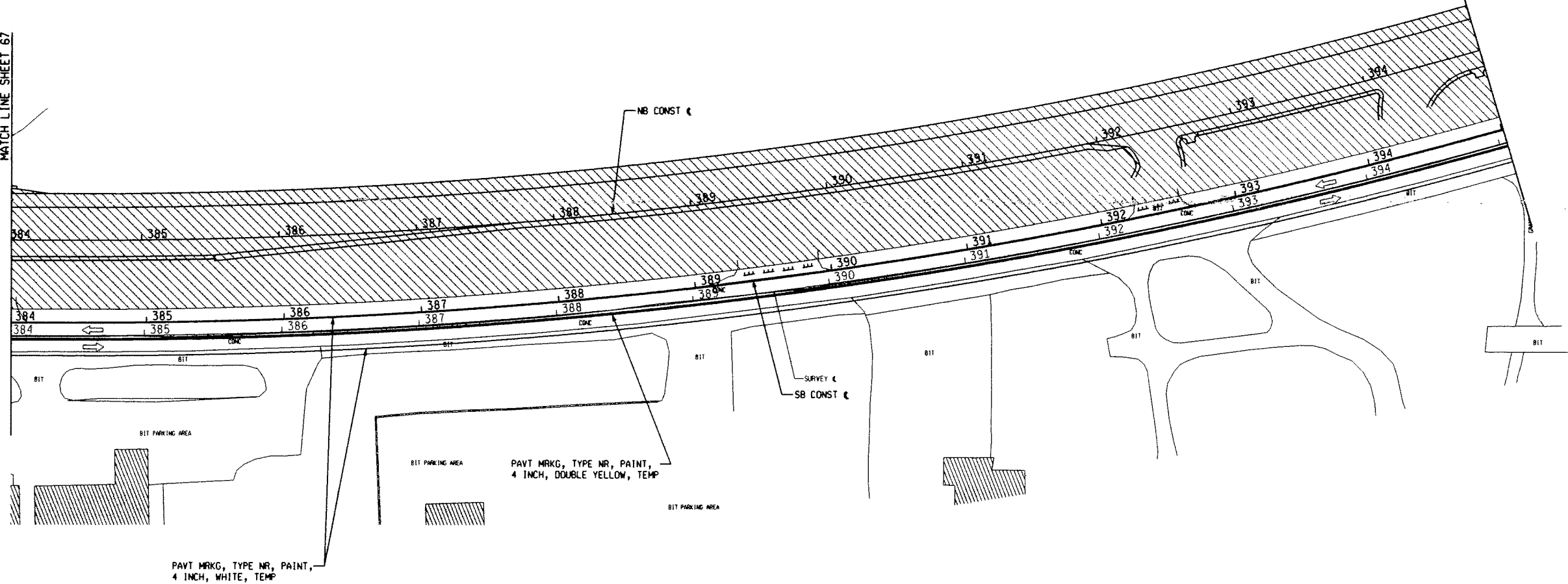
DESIGNED	R. SLOVAK	CHECKED	AJL
SCALE	1"=60'	CADD DATE	04-21-09 RJS 01
PART ...290-12795-09001/CADD/SHEET FILES/INTENT/ST1.DWG			
INGHAM COUNTY ROAD COMMISSION CEDAR STREET IMPROVEMENTS - HOLBROOK TO COLLEGE DELHI TOWNSHIP, MICHIGAN			
MAINTAINING TRAFFIC			
STAGE 1			
CEDAR STREET			
STA 362+00 TO 373+00			
DIVISION	CONTRACT	SHEET	
12795-09001-N-1		66	
		OF 100	

SECTION 25
T3N, R2W
DELHI TWP



MATCH LINE SHEET 67

MATCH LINE SHEET 69



PAVT MRKG, TYPE NR, PAINT,
4 INCH, WHITE, TEMP

PAVT MRKG, TYPE NR, PAINT,
4 INCH, DOUBLE YELLOW, TEMP

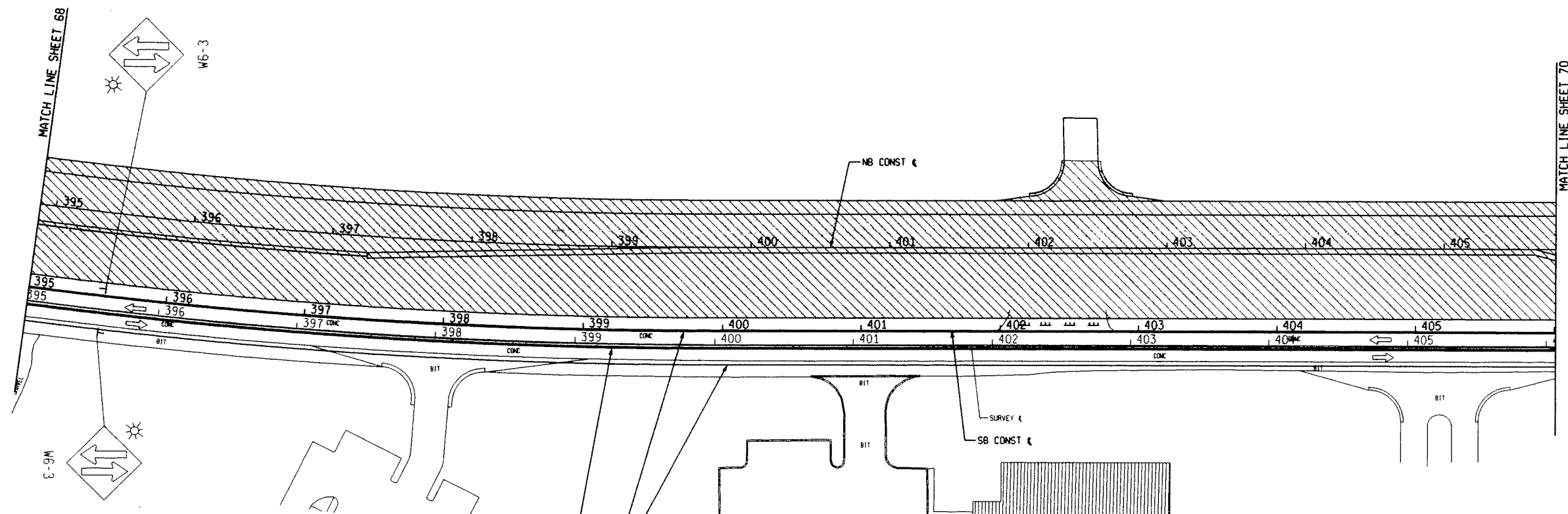
LEGEND	
	TYPE II BARRICADE (DRUM)
	LIGHTED ARROW
	TEMPORARY SIGN TYPE B
	TYPE II BARRICADE
	TYPE III BARRICADE
	CONSTRUCTION AREA
	TRAFFIC FLOW ARROW

NOTES:
1. MAINTAIN ACCESS TO DRIVES AND INTERSECTIONS AT ALL TIMES. (TYP)

MAINTAINING TRAFFIC QUANTITIES - THIS SHEET
2475 FT PAVT MRKG, LONGIT, 6 INCH OR LESS WIDTH, REM
2200 FT PAVT MRKG, TYPE NR, PAINT, 4 INCH, YELLOW, TEMP
2200 FT PAVT MRKG, TYPE NR, PAINT, 4 INCH, WHITE, TEMP

DESIGNED	R. SLOVAK	CHECKED	RJS
SCALE	1"=40'	CADD DATE	04-21-09 RJS 01
PART ...200-12795-09001/CADD/SHEET FILES/INTTRF681.DWG			
INGHAM COUNTY ROAD COMMISSION CEDAR STREET IMPROVEMENTS - HOLLAND TO COLLEGE DELHI TOWNSHIP, MICHIGAN			
MAINTAINING TRAFFIC			
STAGE 1 CEDAR STREET STA 384+00 TO 395+00			
DIVISION	CONTRACT	SHEET	
12795-09001-N-1		68 OF 100	

SECTION 25
T3N, R2W
DELHI TWP



PAVT MRKG, TYPE NR, PAINT,
4 INCH, DOUBLE YELLOW, TEMP

PAVT MRKG, TYPE NR, PAINT,
4 INCH, WHITE, TEMP

LEGEND	
	TYPE II BARRICADE (DRUM)
	LIGHTED ARROW
	TEMPORARY SIGN TYPE B
	TYPE II BARRICADE
	TYPE III BARRICADE
	CONSTRUCTION AREA
	TRAFFIC FLOW ARROW

NOTES:
1. MAINTAIN ACCESS TO DRIVES AND INTERSECTIONS AT ALL TIMES. (TYP)

MAINTAINING TRAFFIC QUANTITIES - THIS SHEET

2475 FT	PAVT MRKG, LONGIT, 6 INCH OR LESS WIDTH, REM
2200 FT	PAVT MRKG, TYPE NR, PAINT, 4 INCH, YELLOW, TEMP
2200 FT	PAVT MRKG, TYPE NR, PAINT, 4 INCH, WHITE, TEMP

REV	DESCRIPTION	BY	DATE	CHK'D

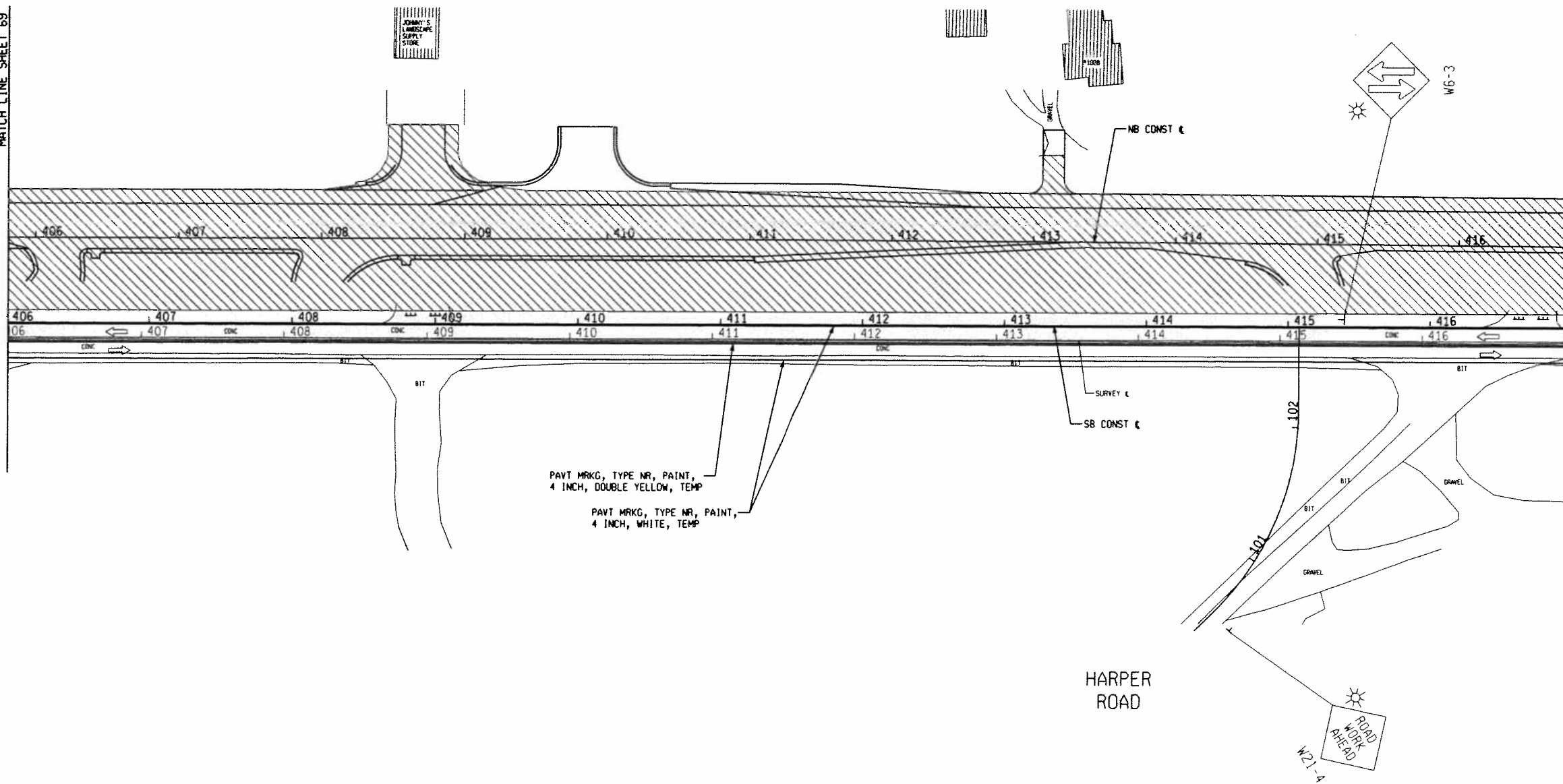
		TETRA TECH	
DESIGNED	R. SLOVAK	CHECKED	AJL
SCALE	1"=100'	CADD DATE	04-21-09 RJS BT
PART ...12795-09001-CADD-SHEET FILES\NET\TRAFF10571.dwg			
INDIAN COUNTY ROAD COMMISSION CEDAR STREET IMPROVEMENTS - HOLDEN TO COLLEGE DELHI TOWNSHIP, MICHIGAN			
MAINTAINING TRAFFIC			
STAGE 1			
CEDAR STREET			
STA 395+00 TO 406+00			
DIVISION	CONTRACT	SHEET	
12795-09001-N-1		69	
		OF 100	

SECTION 25
T3N ,R2W
DELHI TWP



MATCH LINE SHEET 69

MATCH LINE SHEET 71



PAVT MRKG, TYPE NR, PAINT,
4 INCH, DOUBLE YELLOW, TEMP
PAVT MRKG, TYPE NR, PAINT,
4 INCH, WHITE, TEMP

HARPER ROAD

SECTION 36
T3N ,R2W
DELHI TWP

LEGEND	
	TYPE II BARRICADE (DRUM)
	LIGHTED ARROW
	TEMPORARY SIGN TYPE B
	TYPE II BARRICADE
	TYPE III BARRICADE
	CONSTRUCTION AREA
	TRAFFIC FLOW ARROW

NOTES:
1. MAINTAIN ACCESS TO DRIVES AND INTERSECTIONS AT ALL TIMES. (TYP)

MAINTAINING TRAFFIC QUANTITIES - THIS SHEET
2475 FT PAVT MRKG, LONGIT, 6 INCH OR LESS WIDTH, REM
2200 FT PAVT MRKG, TYPE NR, PAINT, 4 INCH, YELLOW, TEMP
2070 FT PAVT MRKG, TYPE NR, PAINT, 4 INCH, WHITE, TEMP
9 SFT SIGN, TYPE B, TEMP, FURN
9 SFT SIGN, TYPE B, TEMP, OPER

REV	DESCRIPTION	BY	DATE	CHK'D

TETRA TECH

DESIGNED R. SLOVAK CHECKED AJL
SCALE 1"=40' CADD DATE 04-21-08 RJS BT
PART ...000-12795-09001/CADD/SHEETS/FILES/INTSR/11571.DWG

INDIAN COUNTY ROAD COMMISSION
CEDAR STREET IMPROVEMENTS - HOLDEN TO COLLEGE
DELHI TOWNSHIP, MICHIGAN

MAINTAINING TRAFFIC
STAGE 1
CEDAR STREET
STA 406+00 TO 417+00

DIVISION	CONTRACT	SHEET
	12795-09001-N-1	70 of 100

SECTION 25
T3N, R2W
DELHI TWP

HARPER ROAD

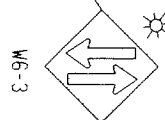
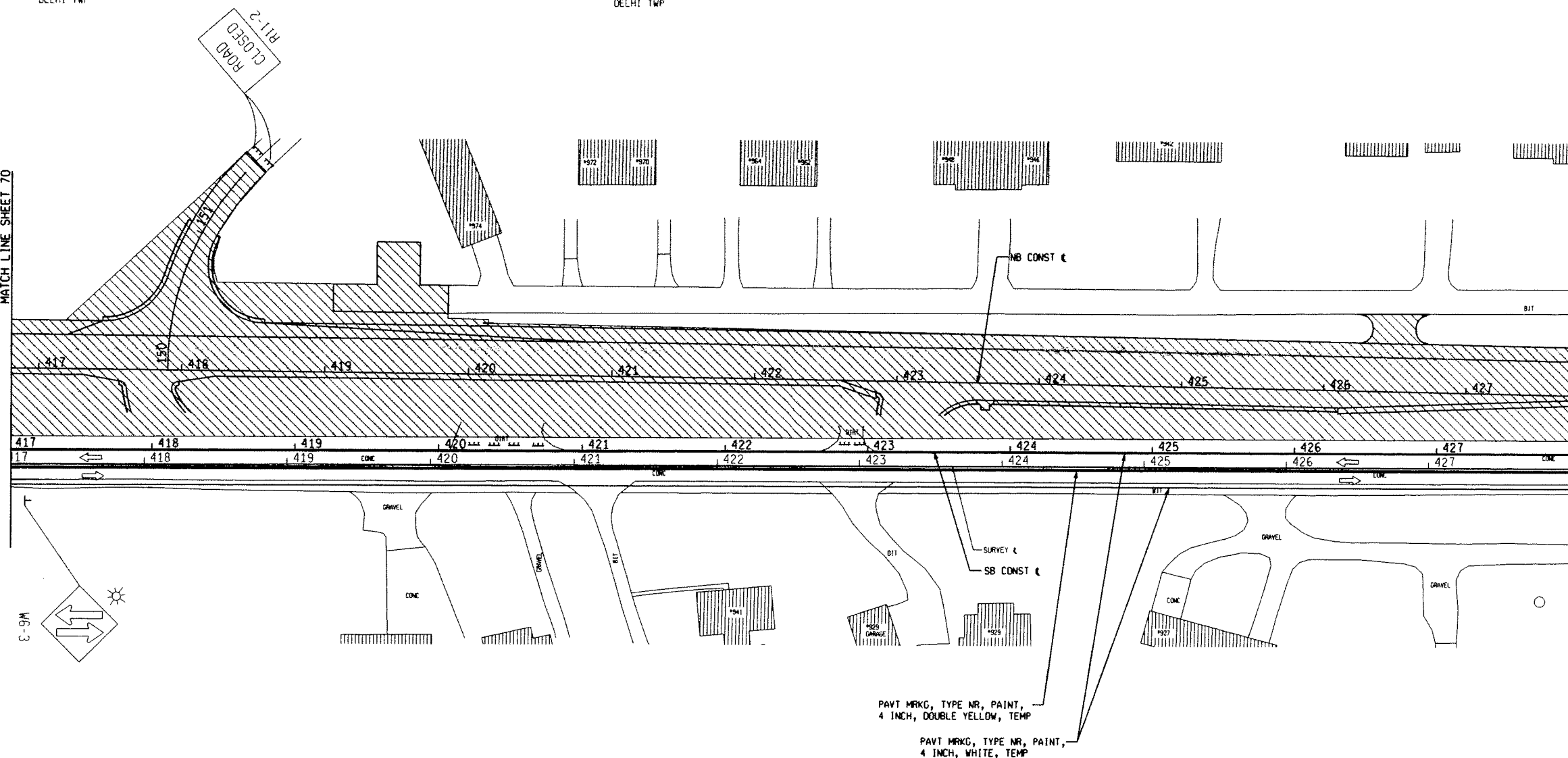
SECTION 36
T3N, R2W
DELHI TWP



MATCH LINE SHEET 70

MATCH LINE SHEET 72

HOGSBACK ROAD



PAVT MRKG, TYPE NR, PAINT,
4 INCH, DOUBLE YELLOW, TEMP

PAVT MRKG, TYPE NR, PAINT,
4 INCH, WHITE, TEMP

LEGEND	
	TYPE II BARRICADE (DRUM)
	LIGHTED ARROW
	TEMPORARY SIGN TYPE B
	TYPE II BARRICADE
	TYPE III BARRICADE
	CONSTRUCTION AREA
	TRAFFIC FLOW ARROW

NOTES:
1. MAINTAIN ACCESS TO DRIVES AND INTERSECTIONS AT ALL TIMES. (TYP)

MAINTAINING TRAFFIC QUANTITIES - THIS SHEET

2475	FT	PAVT MRKG, LONGIT, 6 INCH OR LESS WIDTH, REM
2200	FT	PAVT MRKG, TYPE NR, PAINT, 4 INCH, YELLOW, TEMP
2200	FT	PAVT MRKG, TYPE NR, PAINT, 4 INCH, WHITE, TEMP
9	SFT	SGN, TYPE B, TEMP, FURN
9	SFT	SGN, TYPE B, TEMP, OPER

REV	DESCRIPTION	BY	DATE	CHK'D

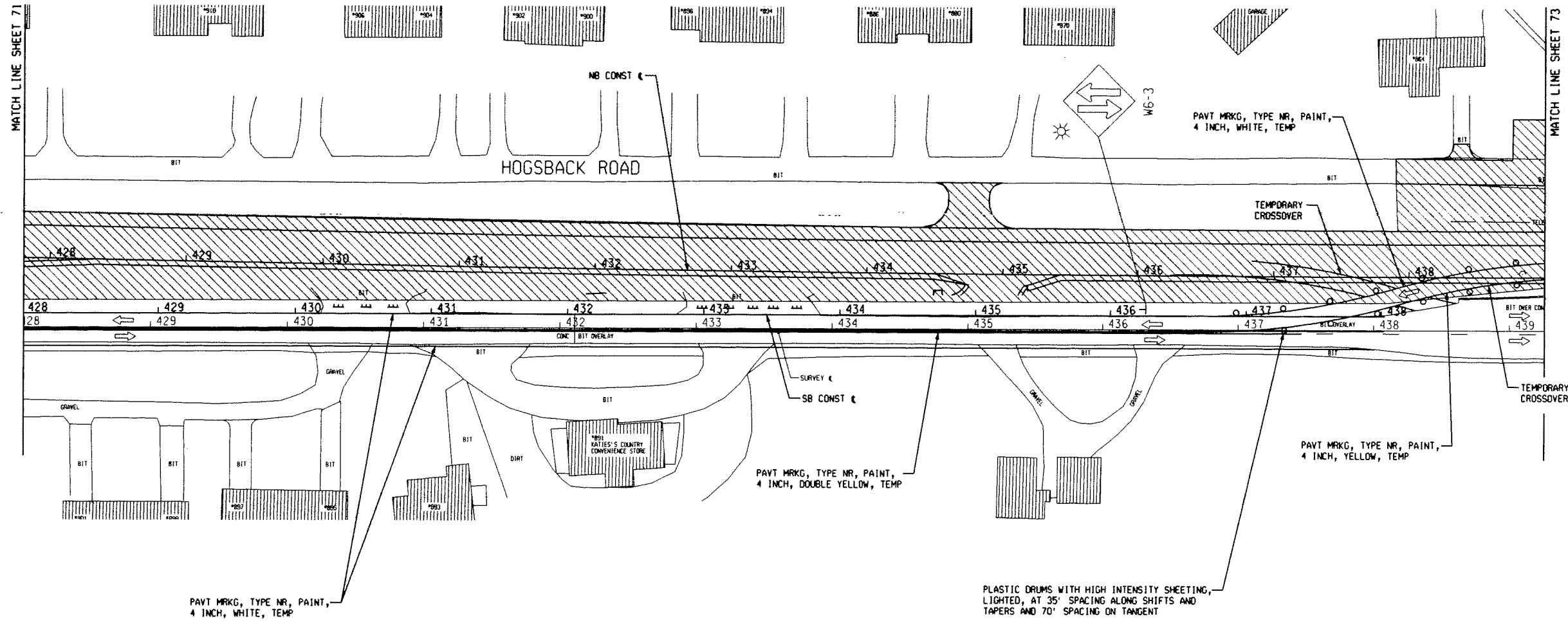
TETRA TECH

DESIGNED	R. SLOVAK	CHECKED	AJL
SCALE	1"=100'	CADD DATE	04-21-09 RJS BY
PART ... 12795-09001/CDR/SHEET 71 OF 100			
INGHAM COUNTY ROAD COMMISSION CEDAR STREET IMPROVEMENTS - HOGSBACK TO COLLEGE DELHI TOWNSHIP, MICHIGAN			
MAINTAINING TRAFFIC			
STAGE 1			
CEDAR STREET			
STA 417+00 TO 428+00			
DRAWN	CONTRACT	SHEET	
12795-09001-N-1		71	
		OF 100	

N COLLEGE ROAD

SECTION 36
T3N, R2W
DELHI TWP

SECTION 31
T3N, R1W
ALATEDOM TWP



PAVT MRKG, TYPE NR, PAINT,
4 INCH, WHITE, TEMP

PAVT MRKG, TYPE NR, PAINT,
4 INCH, DOUBLE YELLOW, TEMP

PLASTIC DRUMS WITH HIGH INTENSITY SHEETING,
LIGHTED, AT 35' SPACING ALONG SHIFTS AND
TAPERS AND 70' SPACING ON TANGENT

PAVT MRKG, TYPE NR, PAINT,
4 INCH, YELLOW, TEMP

LEGEND	
	TYPE II BARRICADE (DRUM)
	LIGHTED ARROW
	TEMPORARY SIGN TYPE B
	TYPE II BARRICADE
	TYPE III BARRICADE
	CONSTRUCTION AREA
	TRAFFIC FLOW ARROW

NOTES:
1. MAINTAIN ACCESS TO DRIVES AND INTERSECTIONS AT ALL TIMES. (TYP)

MAINTAINING TRAFFIC QUANTITIES - THIS SHEET

2250	FT	PAVT MRKG, LONGIT, 6 INCH OR LESS WIDTH, REM
2000	FT	PAVT MRKG, TYPE NR, PAINT, 4 INCH, YELLOW, TEMP
2000	FT	PAVT MRKG, TYPE NR, PAINT, 4 INCH, WHITE, TEMP
480	FT	PAVT MRKG, TYPE R, 4 INCH, YELLOW, TEMP
103	FT	PAVT MRKG, TYPE R, 4 INCH, WHITE, TEMP
31	EA	PLASTIC DRUM, HIGH INTENSITY, LIGHTED, FURN
31	EA	PLASTIC DRUM, HIGH INTENSITY, LIGHTED, OPER
1	EA	PAVT MRKG, DVLY COLD PLASTIC, ONLY
1	EA	PAVT MRKG, DVLY COLD PLASTIC, THRU AND RT TURN ARROW SYM
1	EA	PAVT MRKG, DVLY COLD PLASTIC, LT TURN ARROW SYM

REV	DESCRIPTION	BY	DATE	CHK'D

TETRA TECH

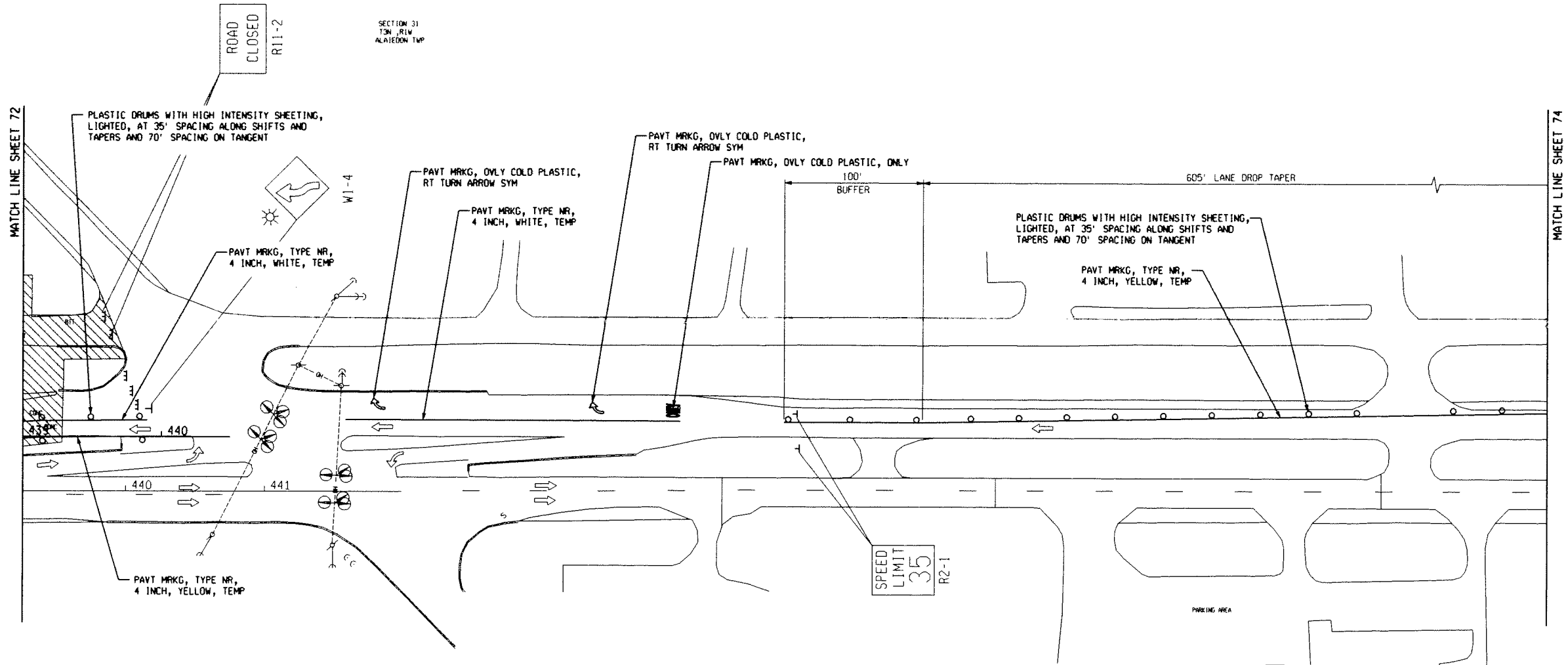
DESIGNED: R. SLOVAK CHECKED: AJL
SCALE: 1"=40' CADD DATE: 04-21-09 RJS 01

PART: ...230-12789-09001/CEAR/SHEET 11/11/09

INGHAM COUNTY ROAD COMMISSION
CEDAR STREET IMPROVEMENTS - HOLBROOK TO COLLEGE
DELHI TOWNSHIP, MICHIGAN

MAINTAINING TRAFFIC PLAN
STAGE 1
CEDAR STREET
STA 428+00 TO 439+00

DRAWN: CONTRACT: 12795-09001-N-1 SHEET: 72
OF: 100



LEGEND	
	TYPE II BARRICADE (DRUM)
	LIGHTED ARROW
	TEMPORARY SIGN TYPE B
	TYPE II BARRICADE
	TYPE III BARRICADE
	CONSTRUCTION AREA
	TRAFFIC FLOW ARROW

NOTES:

1. MAINTAIN ACCESS TO DRIVES AND INTERSECTIONS AT ALL TIMES. (TYP)
2. REMOVE EXISTING PAVEMENT MARKINGS PER MUTCD SECTION 6F.71

MAINTAINING TRAFFIC QUANTITIES - THIS SHEET

140 FT	PAVT MRKG, LONGIT, 6 INCH OR LESS WIDTH, REM
630 FT	PAVT MRKG, TYPE R, 4 INCH, YELLOW, TEMP
310 FT	PAVT MRKG, TYPE R, 4 INCH, WHITE, TEMP
10 EA	PLASTIC DRUM, HIGH INTENSITY, LIGHTED, FURN
10 EA	PLASTIC DRUM, HIGH INTENSITY, LIGHTED, OPER
4 EA	PAVT MRKG, OVLV COLD PLASTIC, ONLY
2 EA	PAVT MRKG, OVLV COLD PLASTIC, RT TURN ARROW SYM
2 EA	PAVT MRKG, OVLV COLD PLASTIC, LT TURN ARROW SYM
12 SFT	SIGN, TYPE B, TEMP, FURN
12 SFT	SIGN, TYPE B, TEMP, OPER

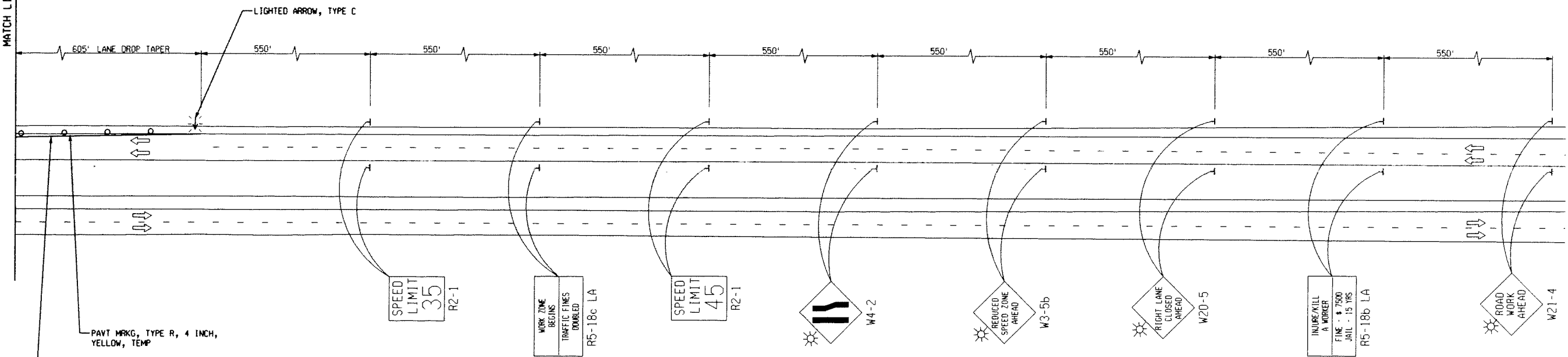
REV	DESCRIPTION	BY	DATE	CHK'D

TETRA TECH

DESIGNED	R. SLOVAK	CHECKED	AJL
SCALE	1"=40'	DATE	04-21-09 RJS 01
PART ...205-12795-09001/CDR/SHEET73/CS/MTTP/4511.DWG			
INDIAN COUNTY ROAD COMMISSION CEDAR STREET IMPROVEMENTS - HOLBROOK TO COLLEGE DELETT TOWNSHIP, MICHIGAN			
MAINTAINING TRAFFIC PLAN			
STAGE 1			
CEDAR STREET			
STA 439+00 TO 450+00			
DIVISION	CONTRACT	SHEET	
	12795-09001-N-1	73 of 100	



MATCH LINE SHEET 73



PANT MRKG, TYPE R, 4 INCH, YELLOW, TEMP

PLASTIC DRUMS WITH HIGH INTENSITY SHEETING, LIGHTED, AT 35' SPACING ALONG SHIFTS AND TAPERS AND 70' SPACING ON TANGENT

LEGEND	
	TYPE II BARRICADE (DRUM)
	LIGHTED ARROW
	TEMPORARY SIGN TYPE B
	TYPE III BARRICADE
	TYPE III BARRICADE
	CONSTRUCTION AREA
	TRAFFIC FLOW ARROW

- NOTES:
1. MAINTAIN ACCESS TO DRIVES AND INTERSECTIONS AT ALL TIMES. (TYP)
 2. REMOVE EXISTING PAVEMENT MARKINGS PER MUTCD SECTION 6F.71

MAINTAINING TRAFFIC QUANTITIES - THIS SHEET

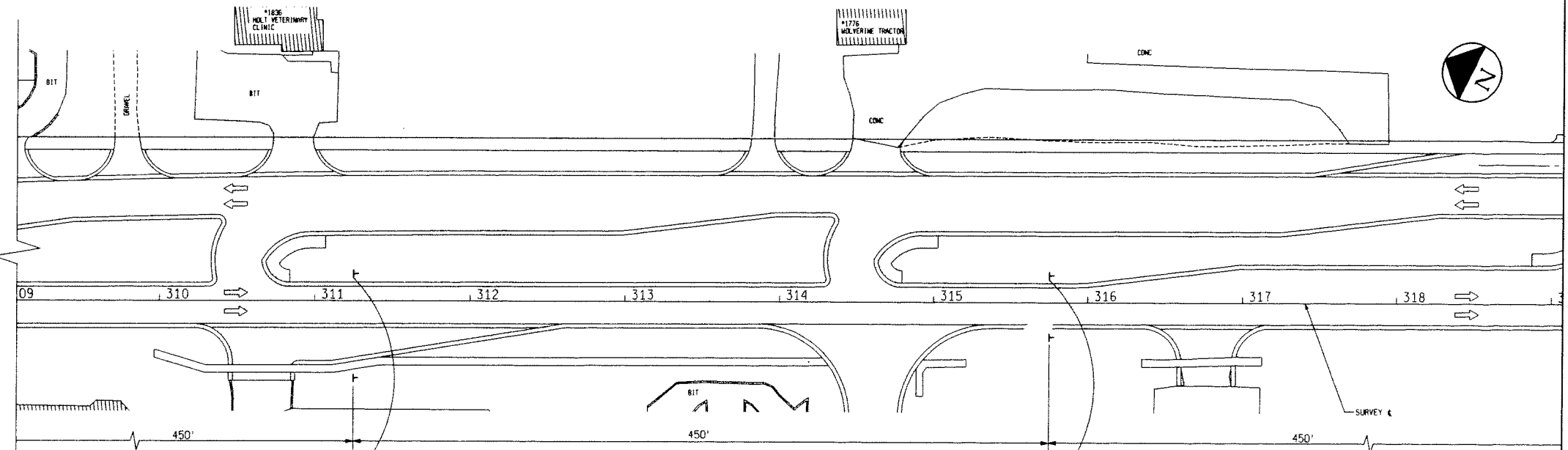
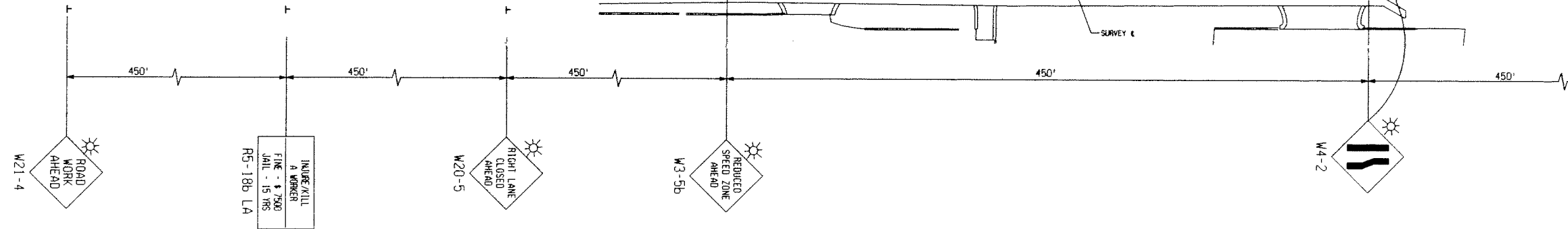
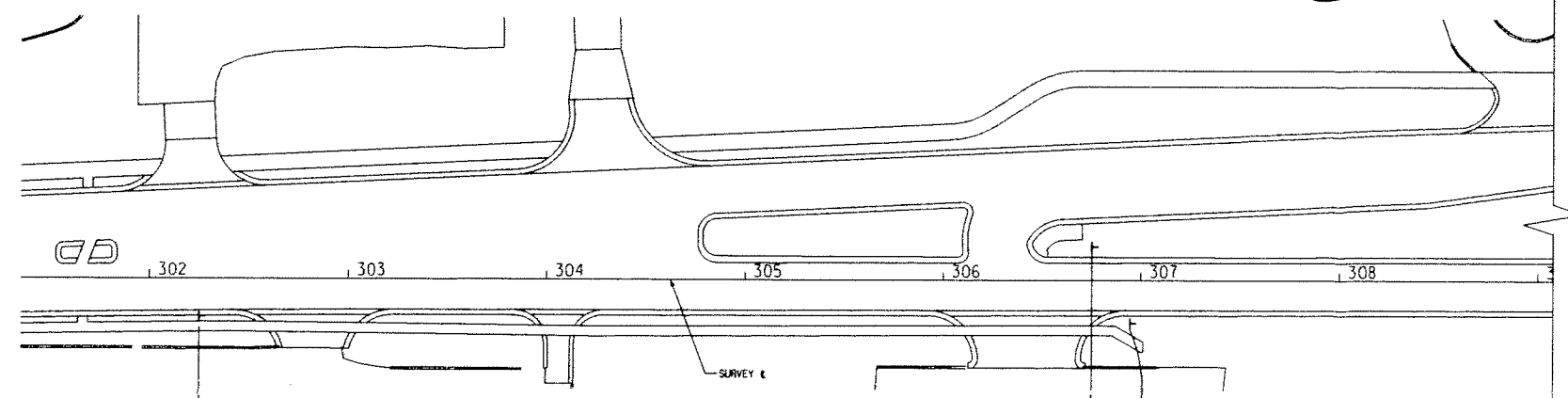
13	Ft	Pavt Mrkg, Longit, 6 inch or Less Width, Rem
50	Ft	Pavt Mrkg, Type R, 4 inch, Yellow, Temp
2	Ea	Plastic Drum, High Intensity, Lighted, Temp
2	Ea	Plastic Drum, High Intensity, Lighted, Oper
1	Ea	Lighted Arrow, Type C, Furn
1	Ea	Lighted Arrow, Type C, Oper
200	Sft	Sign, Type B, Temp, Prismatic, Furn
200	Sft	Sign, Type B, Temp, Prismatic, Oper
94	Sft	Sign, Type B, Temp, Furn
94	Sft	Sign, Type B, Temp, Oper

REV	DESCRIPTION	BY	DATE	CHK'D

TETRA TECH

DESIGNED	R. SLOVAK	CHECKED	AJL
SCALE	1"=40'	CARD DATE	04-21-09 RLS 01
PART ...200-12795-09001/CAD/SHEET/FILES/AMT/10511.DWG			
INCHAM COUNTY ROAD COMMISSION CEDAR STREET IMPROVEMENTS - HOLBROOK TO COLLEGE DELMH TOWNSHIP, MICHIGAN			
MAINTAINING TRAFFIC PLAN			
STAGE 1			
CEDAR STREET			
PDE ADVANCED WARNING			
DIVISION	CONTRACT	SHEET	
12795-09001-N-1		74	
		OF 100	

HANCOCK DRIVE



MATCH LINE SHEET 76

LEGEND	
	TYPE II BARRICADE (DRUM)
	LIGHTED ARROW
	TEMPORARY SIGN TYPE B
	TYPE II BARRICADE
	TYPE III BARRICADE
	CONSTRUCTION AREA
	TRAFFIC FLOW ARROW

NOTES:
 1. MAINTAIN ACCESS TO DRIVES AND INTERSECTIONS AT ALL TIMES. (TYP)

CHARLAR DRIVE

SPEED LIMIT 35
R2-1

MAINTAINING TRAFFIC QUANTITIES - THIS SHEET

32 Sft Sign, Type B, Temp, Furn
 32 Sft Sign, Type B, Temp, Oper

REV	DESCRIPTION	BY	DATE	CHK'D

Tt TETRA TECH

DESIGNER	R. SLOVAK	CHECKED	AJL
SCALE	1"=40'	CADD DATE	4-21-09 RJS/DJ

PART ... 12795-09001/CAD/SHEET/FILES/INT/INT27E.DWG

INGHAM COUNTY ROAD COMMISSION
 CEDAR STREET IMPROVEMENTS - HOLBROOK TO COLLEGE
 DELHI TOWNSHIP, MICHIGAN

MAINTAINING TRAFFIC PLAN
STAGE 2
CEDAR STREET
POB ADVANCED WARNING

DIVISION	CONTRACT	SHEET
12795-09001-N-1		75 of 100