

03-08-13 LETTING ITEM 072

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

FAU ROUTE 3549 (MANCHESTER ROAD)
WINFIELD ROAD TO COUNTY FARM ROAD
STA 0+55 TO STA 40+45

PATCHING, RESURFACING AND SIDEWALK

SECTION 12-00046-00-RS

PROJECT M-9003(987)

VILLAGE OF WINFIELD, DuPAGE COUNTY

C-91-340-12

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
3549	12-00046-00-RS	DUPAGE	21 1
		ILLINOIS	CONTRACT NO. 63774

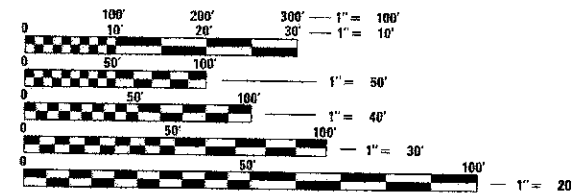
- INDEX OF SHEETS**
- COVER SHEET
 - GENERAL NOTES, HIGHWAY STANDARDS AND SUMMARY OF QUANTITIES
 - TYPICAL SECTIONS
 - SCHEDULE OF QUANTITIES
 - MANCHESTER ROAD PLAN STA 0+55 TO STA 16+00
 - MANCHESTER ROAD PLAN STA 16+00 TO STA 32+00
 - MANCHESTER ROAD PLAN STA 32+00 TO STA 40+45
 - MANCHESTER ROAD STRIPING PLAN STA 0+55 TO STA 16+00
 - MANCHESTER ROAD STRIPING PLAN STA 16+00 TO STA 32+00
 - MANCHESTER ROAD STRIPING PLAN STA 32+00 TO STA 40+45
 - SIDEWALK IMPROVEMENTS PLAN MANCHESTER ROAD STA 0+00 TO STA 8+00
 - SIDEWALK IMPROVEMENTS PLAN MANCHESTER ROAD STA 8+00 TO STA 16+75
 - SIDEWALK IMPROVEMENTS PLAN MANCHESTER ROAD STA 16+75 TO STA 24+50
 - SIDEWALK IMPROVEMENTS PLAN MANCHESTER ROAD STA 24+50 TO STA 32+50
 - SIDEWALK IMPROVEMENTS PLAN MANCHESTER ROAD STA 32+50 TO STA 40+45
 - RETAINING WALL PLAN & ELEVATION AT 27W340
 - SIDEWALK TYPICAL SECTIONS
 - BUTT JOINT DETAIL
 - PAVEMENT MARKING DETAIL
 - TRAFFIC CONTROL DETAIL
 - EROSION NOTES AND DETAILS



LOCATION OF SECTION INDICATED THIS: -

TRAFFIC DATA
ADT (2005) = 7,400
POSTED SPEED LIMIT = 40 MPH
DESIGN SPEED = 45 MPH
CLASSIFICATION = PRINCIPAL ARTERIAL

REMPE-SHARPE
CONSULTING ENGINEERS
I.L.P.E. LICENSE NO. 184-000895
324 WEST STATE STREET - GENEVA, ILLINOIS 60134
Telephone (800) 232-0827 - Fax (800) 232-1029

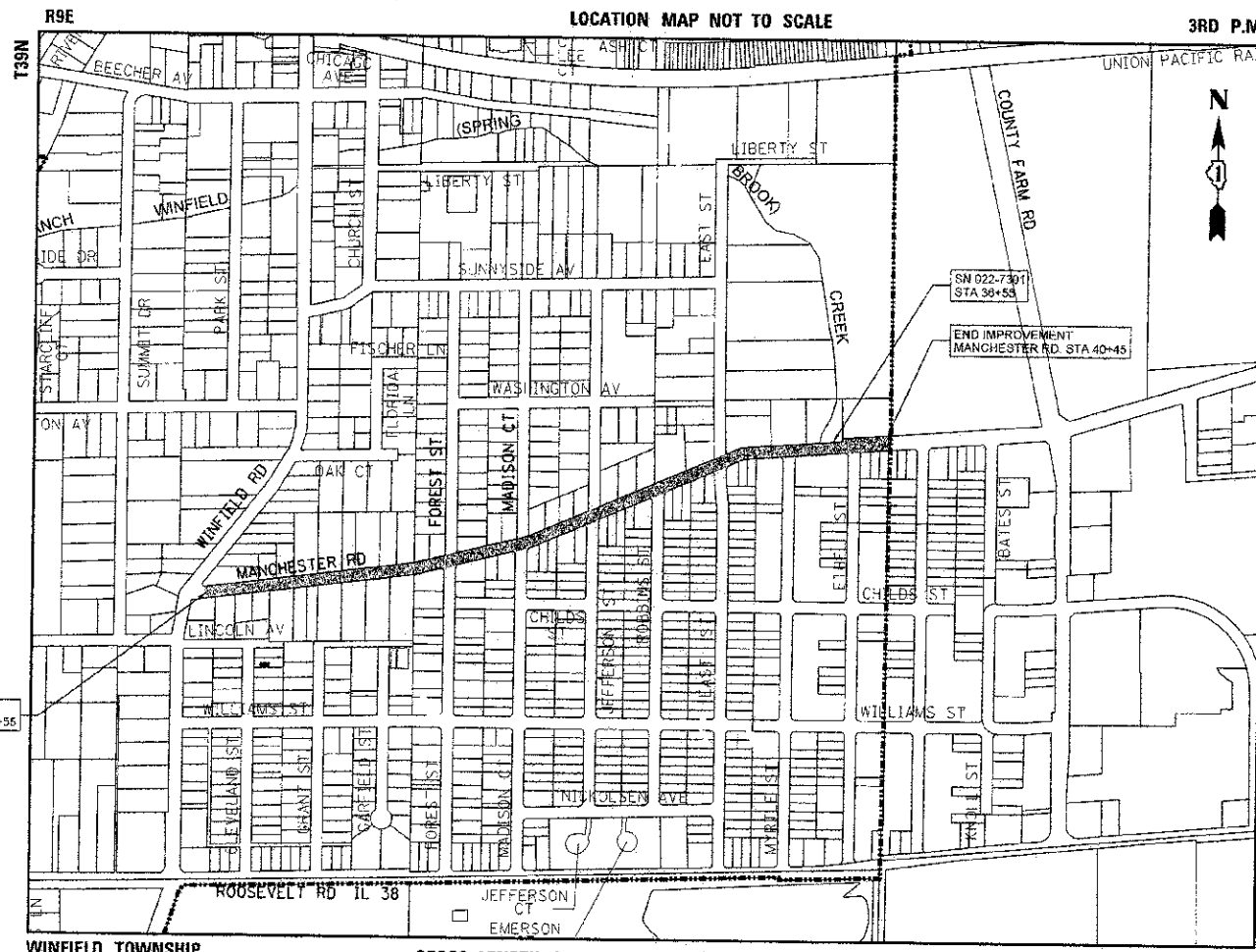


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

811
Joint Utility Locating Information for Excavators
CALL 811
Know what's below. Call before you dig.

PROJECT ENGINEER - DOUGLAS W. RANNEY II, P.E.
PROJECT MANAGER - DANIEL A. WATSON, P.E.

CONTRACT NO. 63774



GROSS LENGTH OF PROJECT = 3,990 FT = 0.756 MILE
NET LENGTH OF PROJECT = 3,990 LF = 0.756 MILE
NET LENGTH OF OMISSION = 0.0 FT = 0.0 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED: December 12, 2012
Douglas W. Ranney
VILLAGE OF WINFIELD

PASSED: December 31, 2012
Charles H. Chat
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW: JANUARY 2, 2013
John F. Entman
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

Douglas W. Ranney
DOUGLAS W. RANNEY
ILLINOIS REGISTERED PROFESSIONAL ENGINEER
NO. 062-061276 EXPIRES 11-30-13

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OF THE STATE OF ILLINOIS

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847) 705-4406 SCHAUMBURG, IL

SUMMARY OF QUANTITIES

GENERAL NOTES

1. SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS:

ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JAN. 1, 2012 (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2013, THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "DETAILS" ON THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE DEPARTMENT.

2. PROTECTION OF PUBLIC/PRIVATE PROPERTY:

THE CONTRACTOR SHALL PROTECT ALL EXISTING TREES TO REMAIN, SHRUBS, FENCES, DRAIN LINES, POWER LINES, AND OTHER PUBLIC/PRIVATE PROPERTY. ANY ITEM THAT IS DAMAGED SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER AT NO COST.

3. EXISTING STREET CLEANLINESS:

THE CONTRACTOR SHALL KEEP EXISTING AND ADJACENT STREETS CLEAN OF DIRT, MUD, AND OTHER DEBRIS AND, WHEN NECESSARY, CLEAN SAID PAVEMENTS ON A DAILY BASIS.

4. REMOVAL, MAINTENANCE AND RESETTING EXISTING MAILBOXES, STREET SIGNS AND STOP SIGNS:

EXISTING MAILBOXES, STREET SIGNS, AND STOP SIGNS WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED AND TEMPORARILY RELOCATED DURING CONSTRUCTION BY THE CONTRACTOR. AFTER THE WORK HAS BEEN SUBSTANTIALLY COMPLETED, SAID MAILBOXES AND SIGNS SHALL BE RESET AT A LOCATION SPECIFIED BY THE ENGINEER. THE COST OF THIS WORK SHALL BE CONSIDERED AS AN INCIDENTAL COST TO THE CONTRACT WITH NO ADDITIONAL COMPENSATION ALLOWED. ANY SIGN DAMAGED OR LOST SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. TEMPORARY STOP SIGNS SHALL BE PLACED AS REQUIRED BY THE VILLAGE AS PART OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEM.

5. CONSTRUCTION LIMITS:

THE CONTRACTOR SHALL CONFINE HIS OPERATIONS WITHIN THE DEDICATED ROADWAY RIGHT-OF-WAY OR EASEMENTS OBTAINED BY THE VILLAGE OF WINFIELD. ANY DAMAGE OUTSIDE OF SAID RIGHT-OF-WAY OR EASEMENTS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

6. BARRICADES:

THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED. ONE (1) WEIGHTED SANDBAG ACROSS EACH RAIL.

ITEM NO.	ITEM DESCRIPTION	TOTAL	UNIT	CONSTRUCTION	CONSTRUCTION
				TYPE CODE STP0005	TYPE CODE STP0021
20200100	EARTH EXCAVATION	790	CU YD	0	790
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	185	CU YD	185	0
20800150	TRENCH BACKFILL	100	CU YD	0	100
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	565	SQ YD	565	0
21101615	TOP SOIL FURNISH AND PLACE, 4"	2000	SQ YD	0	2000
21400100	GRADING AND SHAPING DITCHES	1440	FOOT	0	1440
25000100	SEEDING, CLASS 1	0.45	SQ YD	0	2000
25000310	SEEDING, CLASS 4	0.05	SQ YD	0	200
25100630	EROSION CONTROL BLANKET	2000	SQ YD	0	2000
28000400	PERIMETER EROSION BARRIER	1400	FOOT	0	1400
28000500	INLET AND PIPE PROTECTION	12	EACH	0	12
30300001	AGGREGATE SUBGRADE IMPROVEMENT	185	CU YD	185	0
35101600	AGGREGATE BASE COURSE, TYPE B, 4"	2145	SQ YD	0	2145
35101800	AGGREGATE BASE COURSE, TYPE B, 6"	786	SQ YD	786	0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	1130	GALLON	1130	0
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	25	TON	25	0
40600895	CONSTRUCTING TEST STRIP	1	EACH	1	0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT-JOINT	140	SQ YD	140	0
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	2700	TON	2700	0
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	1766	TON	1766	0
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	19280	SQ FT	0	19280
42400800	DETECTABLE WARNINGS	128	SQ FT	0	128
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	11315	SQ YD	11315	0
44000200	DRIVEWAY PAVEMENT REMOVAL	984	SQ YD	984	0
44201717	CLASS D PATCHES, TYPE II, 6 INCH	84	SQ YD	84	0
44201721	CLASS D PATCHES, TYPE III, 6 INCH	129	SQ YD	129	0
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	968	SQ YD	968	0
48101498	AGGREGATE SHOULDERS, TYPE B 4"	1700	SQ YD	1700	0
50105220	PIPE CULVERT REMOVAL	454	FOOT	0	454
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	2	EACH	0	2
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	1	EACH	0	1
54215547	METAL END SECTIONS 12"	14	EACH	0	14
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	1	EACH	0	1
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	1	EACH	0	1
60236200	INLETS, TYPE A, TYPE 8 GRATE	3	EACH	0	3
60255500	MANHOLES TO BE ADJUSTED	8	EACH	8	0
60265700	VALVE VAULTS TO BE ADJUSTED	11	EACH	11	0
60266600	VALVE BOXES TO BE ADJUSTED	1	EACH	1	0
67100100	MOBILIZATION	1	L SUM	1	0
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	1	L SUM	0	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	1	L SUM	0	1
70300100	SHORT TERM PAVEMENT MARKING	7990	FOOT	7990	0
78000200	THERMOPLASTIC PAVEMENT MARKING-LINE 4"	11040	FOOT	11040	0
78000400	THERMOPLASTIC PAVEMENT MARKING-LINE 6"	670	FOOT	0	670
78000600	THERMOPLASTIC PAVEMENT MARKING-LINE 12"	600	FOOT	0	600
78000650	THERMOPLASTIC PAVEMENT MARKING-LINE 24"	99	FOOT	99	0
54200217	PIPE CULVERTS, CLASS D, TYPE 1, 12"	488	FOOT	0	488
54200220	PIPE CULVERTS, CLASS D, TYPE 1, 15"	25	FOOT	0	25
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	36	FOOT	0	36
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	25	FOOT	0	25
X6026050	SANITARY MANHOLES TO BE ADJUSTED	6	EACH	6	0
Z0013302	SEGMENTAL CONCRETE BLOCK WALL	17	SQ YD	0	17
Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	2	EACH	0	2

△ SPECTRUM ITEMS

APPLICABLE IDOT HIGHWAY STANDARDS

IDOT NO.	STANDARD DRAWINGS
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-07	PERPENDICULAR CURB RAMPS
424011-01	CORNER PARALLEL CURB RAMPS
424021-01	DEPRESSED CORNER
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602305-03	INLET-TYPE B
604001-03	FRAME AND LIDS TYPE 1
604036-02	GRATE TYPE 8
701008-04	OFF-RD OPERATIONS, 2L, 2W, 20' TO 2' FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L 2W SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L 2W MOVING OPERATIONS-DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
780001-03	TYPICAL PAVEMENT MARKINGS

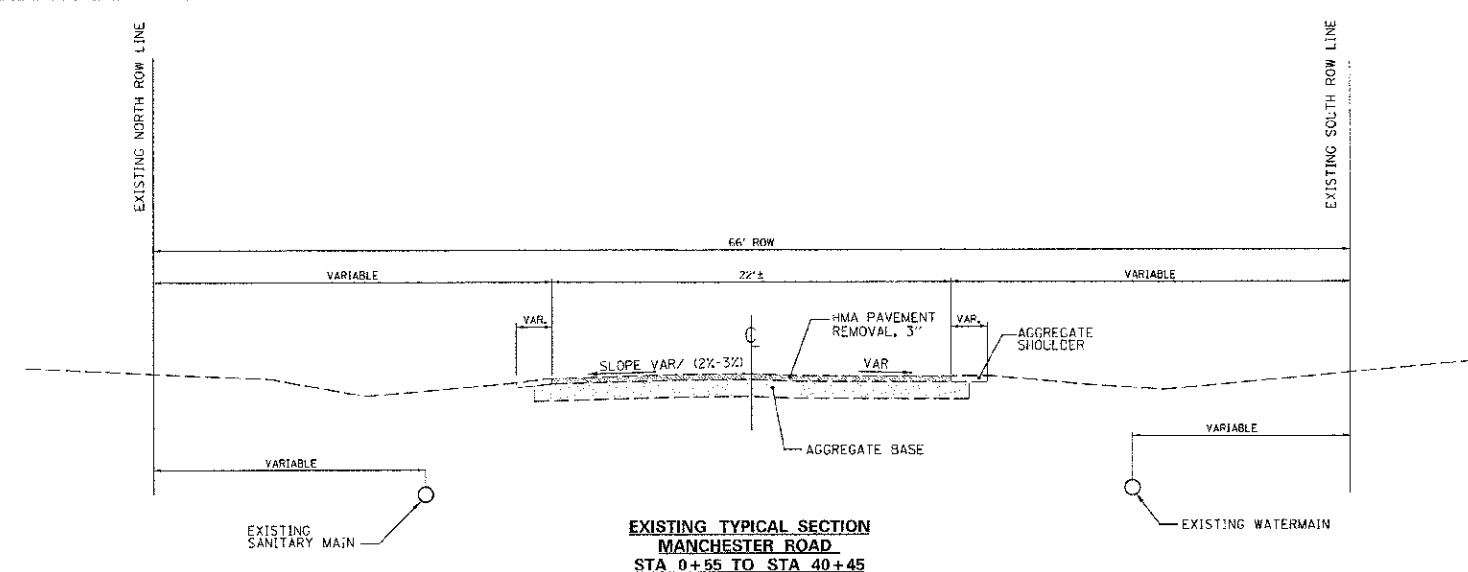
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\\s\dgn\VF\VF584\ManholeRd\sheet1100	_02\FR84_Notes\SumQuanta.dgn	DRAWN - SS	REVISED -
	PLOT SCALE = 1/8" = 1' IN.	CHECKED - DW	REVISED -
	PLOT DATE = 12/28/2012	DATE - DEC 2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

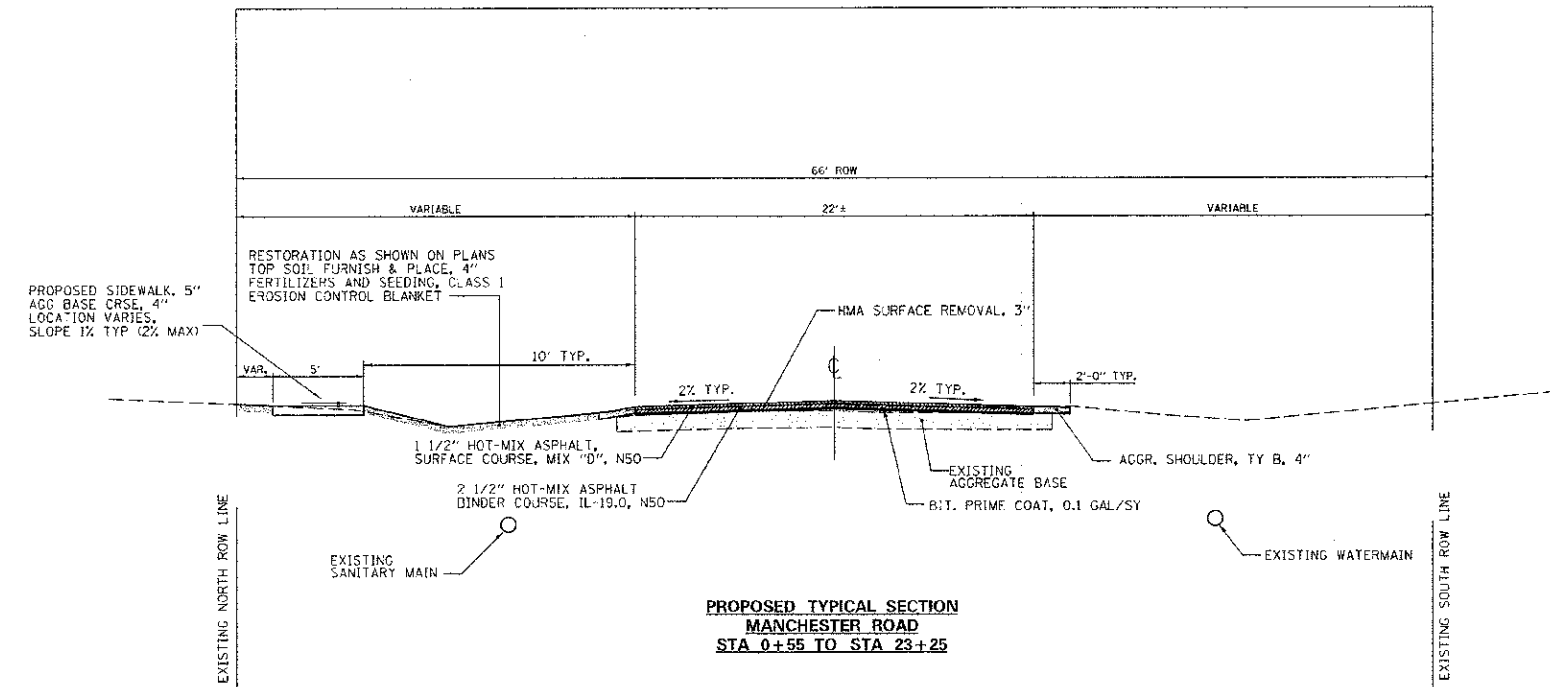
**GENERAL NOTES, HIGHWAY STANDARDS,
DETAILS AND SUMMARY OF QUANTITIES**

SCALE: NONE SHEET NO. 2 OF 16 SHEETS

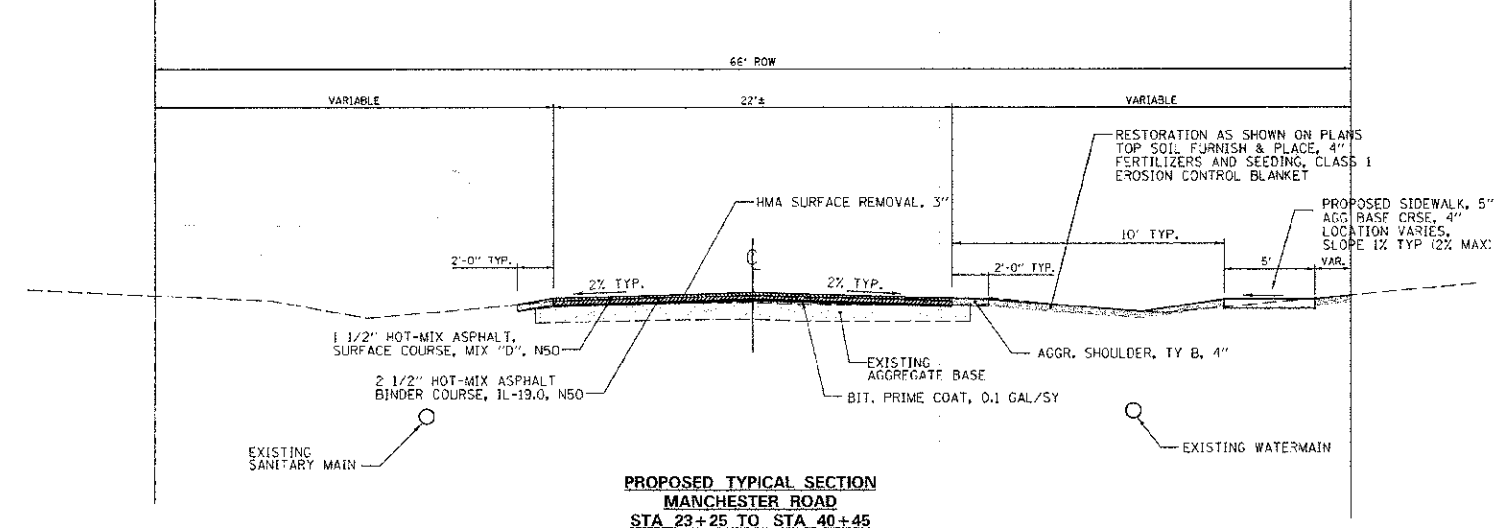
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3549	12-00046-00-R5	DU PAGE	21	2
CONTRACT NO. 63774				
ILLINOIS FED. AID PROJECT				



**EXISTING TYPICAL SECTION
MANCHESTER ROAD
STA 0+55 TO STA 40+45**



**PROPOSED TYPICAL SECTION
MANCHESTER ROAD
STA 0+55 TO STA 23+25**



**PROPOSED TYPICAL SECTION
MANCHESTER ROAD
STA 23+25 TO STA 40+45**

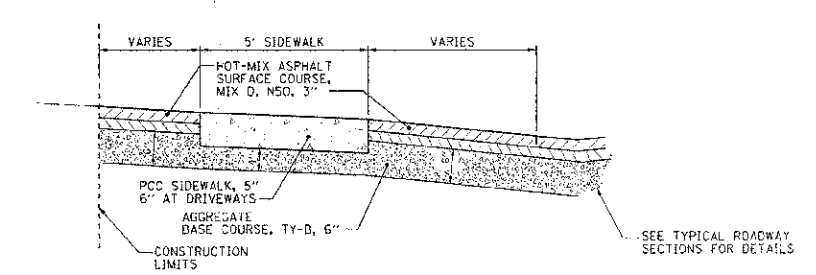
HOT MIX ASPHALT MIXTURE REQUIREMENT

ITEM	AIR VOIDS @ Ndes
RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 1 1/2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 2 1/2"	4% @ 50 GYR
PATCHING	
CLASS D PATCHES, 6"	4% @ 70 GYR

NOTE:
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112#/CY.
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SSS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
FOR "PERCENT OF RAP" SEE SPECIAL PROVISIONS.

STRUCTURAL DESIGN INFORMATION

STRUCTURAL DESIGN TRAFFIC: 500 ADT YEAR 2023
PV= 88 SU= 7 MU= 5
ROAD CLASSIFICATION: CLASS III
TRAFFIC FACTOR: TF= 0.082



TYPICAL SECTION THRU HMA DRIVEWAY

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DRAWN - SS	REVISIONS
CHECKED - DW	REVISIONS
DATE - DEC 2012	REVISIONS

DESIGNED - DR	REVISIONS
DRAWN - SS	REVISIONS
CHECKED - DW	REVISIONS
DATE - DEC 2012	REVISIONS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND PROPOSED TYPICAL SECTIONS
MANCHESTER ROAD**
SCALE: N.T.S. SHEET NO. 3 OF 16 SHEETS

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3549	12-00046-00-RS	DJ	21	3
CONTRACT NO. 63774			ILLINOIS FED. AID PROJECT	

HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT		
LOCATION	OFFSET	AREA (SY)
STA 0+55	C	20
STA 14+62	42' RT	11.5
STA 14+83	42' LT	10.5
STA 16+65	41' RT	10.5
STA 18+95	43' LT	11.5
STA 22+95	40' RT	10
STA 23+33	44' LT	10.5
STA 26+85	40' RT	11.5
STA 30+70	40' RT	12
STA 31+10	50' RT	14
STA 38+45	40' RT	7
STA 40+45	C	11
TOTAL		140

DETECTABLE WARNINGS		
LOCATION	OFFSET	AREA (SF)
STA 14+50	23' LT	16
STA 15+00	23' LT	8
STA 18+65	23' LT	8
STA 19+20	23' LT	8
STA 22+85	23' RT	10
STA 23+00	22' LT	8
STA 23+05	27' LT	8
STA 23+20	24' RT	8
STA 28+70	28' RT	8
STA 27+10	25' RT	8
STA 30+85	24' RT	8
STA 31+00	28' RT	8
STA 38+35	33' RT	8
STA 38+55	33' RT	8
TOTAL		128

THERMOPLASTIC PAVEMENT MARKING-LINE 4"	
LOCATION	QUANTITY (LF)
STA 0+45 TO STA 14+45	4485
STA 15+00 TO STA 18+50	1085
STA 18+95 TO STA 22+85	810
STA 23+45 TO STA 30+65	1915
STA 31+30 TO STA 40+45	2835
TOTAL	11040

THERMOPLASTIC PAVEMENT MARKING-LINE 6"	
LOCATION	QUANTITY (LF)
STA 14+45 TO STA 15+00	225
STA 18+70 TO STA 19+15	76
STA 22+80 TO STA 23+20	130
STA 26+70 TO STA 27+10	65
STA 30+50 TO STA 31+00	144
STA 38+40 TO STA 38+55	30
TOTAL	670

THERMOPLASTIC PAVEMENT MARKING-LINE 12"	
LOCATION	QUANTITY (LF)
STA 14+45 TO STA 15+00	192
STA 18+70 TO STA 19+15	78
STA 22+80 TO STA 23+20	114
STA 26+70 TO STA 27+10	60
STA 30+50 TO STA 31+00	126
STA 38+40 TO STA 38+55	30
TOTAL	600

THERMOPLASTIC PAVEMENT MARKING-LINE 24"		
LOCATION	OFFSET	LENGTH (LF)
STA 14+70	33' RT	11
STA 14+75	45' LT	11
STA 18+80	30' RT	11
STA 18+85	34' LT	11
STA 23+05	35' RT	10
STA 23+20	33' LT	10
STA 28+95	33' RT	10
STA 30+75	38' RT	12
STA 31+00	42' LT	13
TOTAL		99

CLASS D PATCHES, 5"		
LOCATION	AREA (SY)	TYPE
STA 1+10, RT	54	IV
STA 1+80, LT	37	IV
STA 3+22, RI	8	II
STA 3+30, LT	20	III
STA 4+40, LT	74	IV
STA 4+70, RT	10	II
STA 6+70, LT	25	II
STA 6+70, RT	37	IV
STA 8+20, RT	15	II
STA 8+70, RT	37	IV
STA 10+43, RT	15	II
STA 11+10, RT	95	IV
STA 12+75, RT	84	IV
STA 14+35, RI	34	IV
STA 14+85, RT	11	II
STA 15+00, RT	49	IV
STA 15+85, RT	126	IV
STA 17+30, RT	34	IV
STA 20+48, RT	87	IV
STA 22+00, RT	20	III
STA 22+75, RT	16	III
STA 23+85, RT	24	III
STA 25+45, RT	24	III
STA 27+90, LT	14	II
STA 30+80, LT	39	IV
STA 31+10, LT	11	II
STA 32+45, RT	181	IV
TOTAL	1181	

SANITARY MANHOLES TO BE ADJUSTED		
LOCATION	OFFSET	QUANTITY (EACH)
STA 14+82	17' LT	1
STA 19+05	10' LT	1
STA 23+35	18' LT	1
STA 31+15	11' LT	1
STA 32+25	8' LT	1
STA 34+75	9' RT	1
TOTAL		6

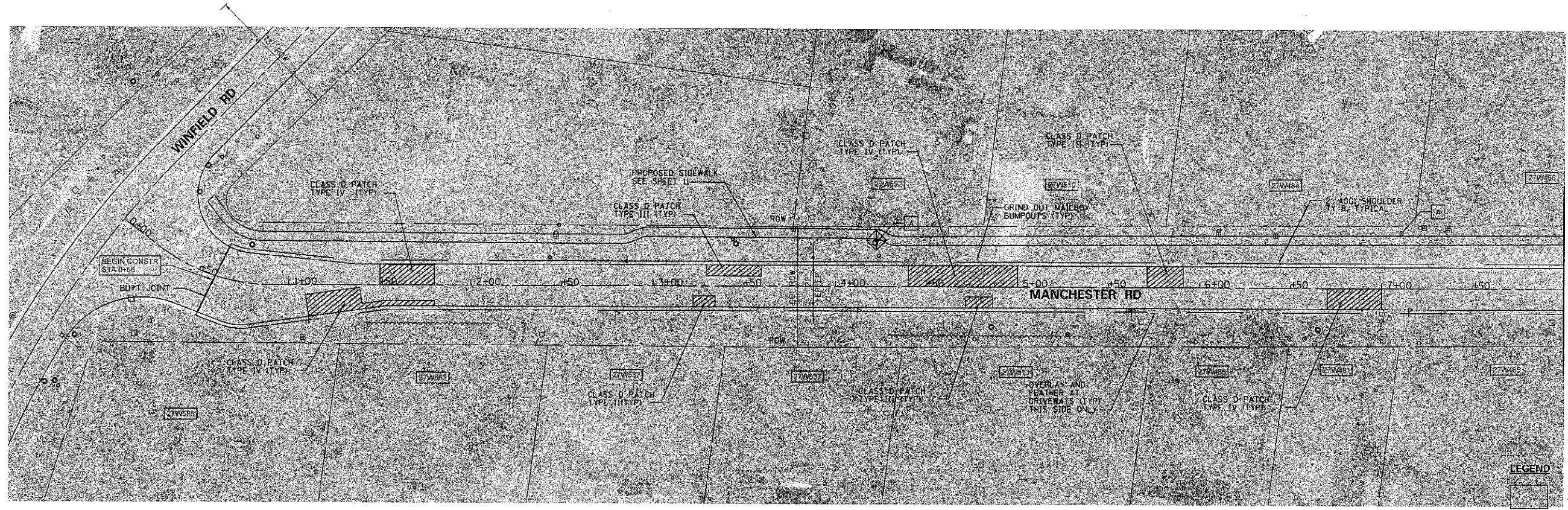
VALVE BOXES TO BE ADJUSTED		
LOCATION	OFFSET	QUANTITY (EACH)
STA 22+88	9' RT	1
TOTAL		1

VALVE VAULTS TO BE ADJUSTED		
LOCATION	OFFSET	QUANTITY (EACH)
STA 14+30	16' RT	1
STA 18+67	22' RT	1
STA 18+75	22' RT	1
STA 18+95	11' RT	1
STA 26+25	12' RT	1
STA 28+85	14' RT	1
STA 30+25	11' RT	1
STA 30+75	5' RT	1
STA 30+85	40' LI	1
STA 39+15	22' RT	1
STA 37+00	22' RT	1
TOTAL		11

PORTLAND CEMENT CONCRETE SIDEWALK, 5"		
LOCATION	OFFSET	AREA (SF)
STA 0+20 TO STA 14+80	VAR. (20'-24') LT	7053
STA 15+00 TO STA 18+70	21' LT	1870
STA 15+10 TO STA 23+10	VAR. (18'-25') LT	2083
STA 22+80 TO STA 22+60	16' RT	95
STA 23+10 TO STA 268+70	21' RT	1775
STA 27+05 TO STA 30+60	22' RT	1170
STA 30+95 TO STA 38+35	VAR. RT	3800
STA 38+54 TO STA 40+41	30' RT	960
TOTAL		13230

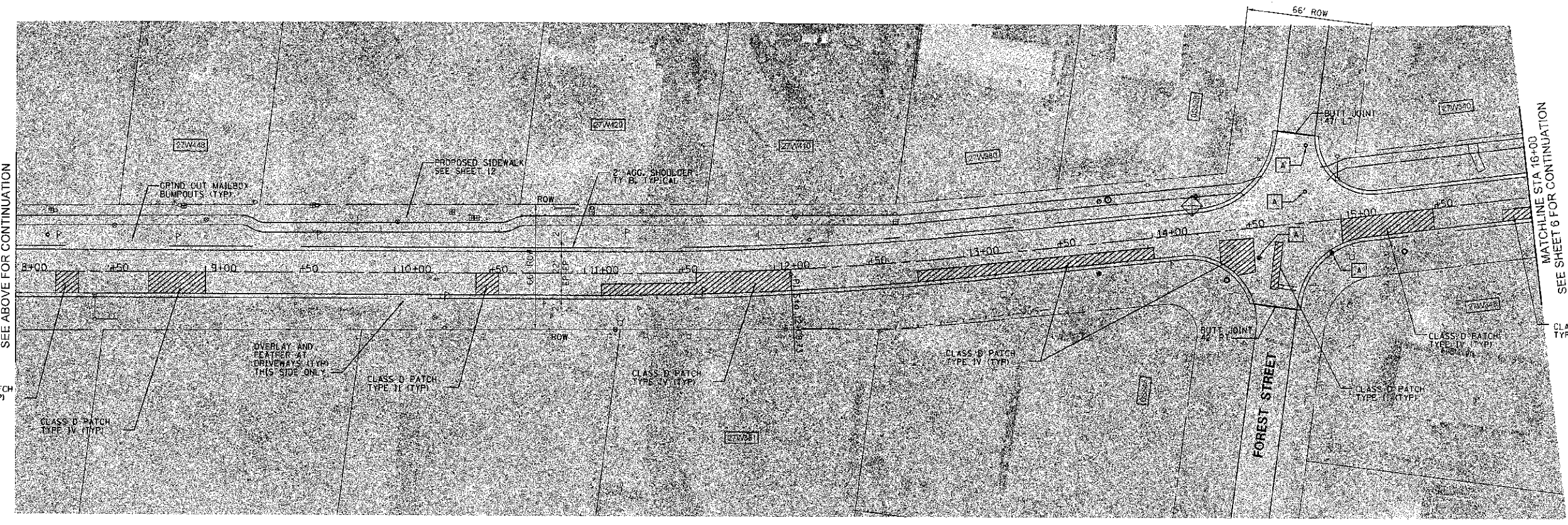
MANHOLES, TYP. A, 4'-DIA, TYPE 1 FRAME, OPEN LID		
LOCATION	OFFSET	QUANTITY (EACH)
STA 14+85	45' LT	1
TOTAL		1

EARTH EXCAVATION			
Location		20200100	
		Earth Excavation	
		CY (CUT)	CY (FILL)
STA 0+24 to STA 0+79		0.0	1.4
STA 0+79 to STA 1+09		7.4	0.0
STA 1+09 to STA 1+32		1.5	0.0
STA 1+32 to STA 1+66		8.2	0.0
STA 1+66 to STA 1+81		1.6	0.0
STA 1+81 to STA 2+13		6.7	0.0
STA 2+13 to STA 3+06		10.6	0.0
STA 3+06 to STA 4+19		36.0	0.0
STA 4+19 to STA 4+39		1.3	0.0
STA 4+39 to STA 5+77		34.6	0.0
STA 5+77 to STA 6+07		3.5	0.0
STA 6+07 to STA 6+93		22.1	0.0
STA 6+93 to STA 7+72		9.0	0.0
STA 7+72 to STA 7+86		2.8	0.0
STA 7+86 to STA 8+14		3.5	0.0
STA 8+14 to STA 8+44		4.9	0.0
STA 8+44 to STA 8+51		0.9	0.0
STA 8+51 to STA 9+69		20.8	0.0
STA 9+69 to STA 10+66		8.4	0.0
STA 10+66 to STA 14+93		114.0	0.0
STA 14+93 to STA 16+87		0.0	10.5
STA 16+87 to STA 17+08		8.8	0.0
STA 17+08 to STA 17+42		3.7	0.0
STA 17+42 to STA 18+90		25.7	0.0
STA 18+90 to STA 19+30		2.0	0.0
STA 19+30 to STA 19+98		19.7	0.0
STA 19+98 to STA 20+44		6.0	0.0
STA 20+44 to STA 21+00		17.1	0.0
STA 21+00 to STA 21+20		1.8	0.0
STA 21+20 to STA 26+26		109.9	0.0
STA 26+26 to STA 26+68		4.1	0.0
STA 26+68 to STA 31+26		139.4	0.0
STA 31+26 to STA 32+87		20.1	0.0
STA 32+87 to STA 33+11		3.5	0.0
STA 33+11 to STA 33+78		5.0	0.0
STA 33+78 to STA 35+61		49.7	0.0
STA 35+61 to STA 35+94		4.0	0.0
STA 35+94 to STA 36+73		17.4	0.0
STA 36+73 to STA 37+11		5.3	0.0
STA 37+11 to STA 37+28		3.0	0.0
STA 37+28 to STA 37+45		1.8	0.0
STA 37+45 to STA 37+96		14.2	0.0
STA 37+96 to STA 38+16		1.7	0.0
STA 38+16 to STA 38+56		12.0	0.0
STA 38+56 to STA 39+33		7.4	0.0
STA 39+33 to STA 40+45		20.8	0.0
Total		801.4	11.9
Balance (Cut)			789.5



MATCHLINE STA 8+00
SEE BELOW FOR CONTINUATION

3" HMA SURFACE REMOVAL



MATCHLINE STA 8+00
SEE ABOVE FOR CONTINUATION

MATCHLINE STA 16+00
SEE SHEET 6 FOR CONTINUATION

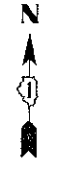
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		DATE - DEC 2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANCHESTER ROAD PLAN
STA 0+55 TO STA 16+00

SCALE: 1"=30'
SHEET No. 5 OF 16 SHEETS


F.A.U. RTE. 3549	SECTION 12-00046-00-R5	COUNTY DU PAGE	TOTAL SHEETS 21	SHEET NO. 5
CONTRACT NO. 63774			ILLINOIS FED. AID PROJECT	



MATCHLINE STA 32+00
SEE SHEET 6 FOR CONTINUATION

END CONSTR
STA 40+45

BUTT JOINT

LEGEND
 3" HMA SURFACE REMOVAL

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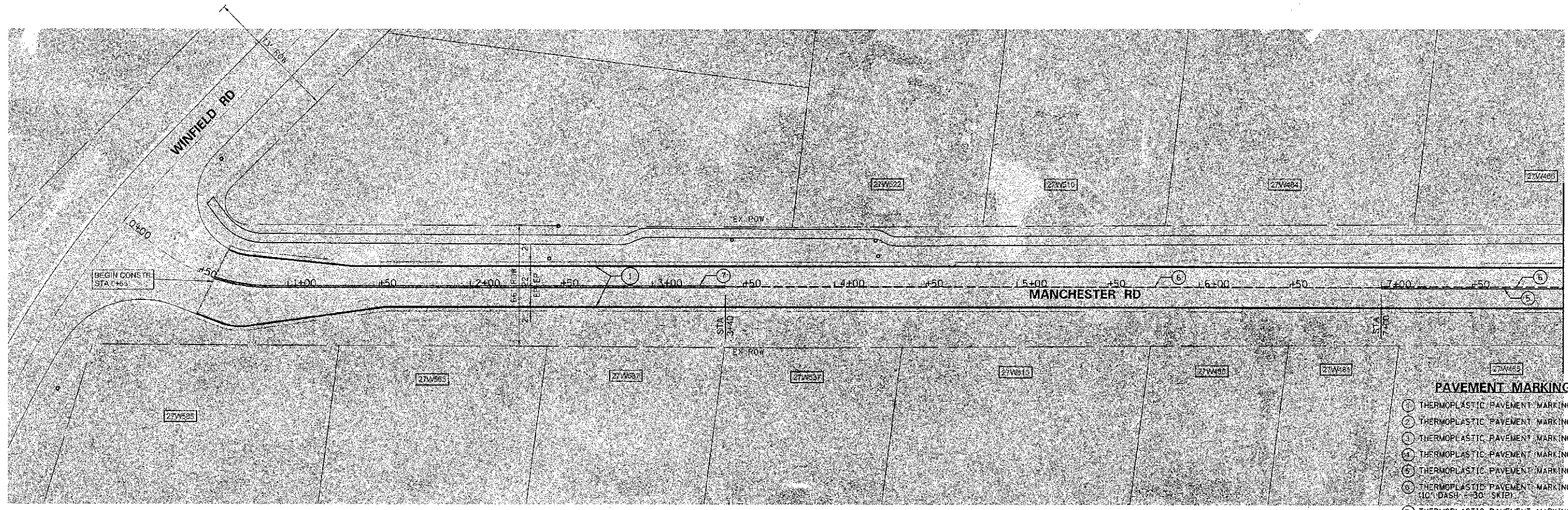
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MANCHESTER ROAD PLAN
STA 32+00 TO STA 40+45**

SCALE: 1"=30' SHEET No. 7 OF 16 SHEETS

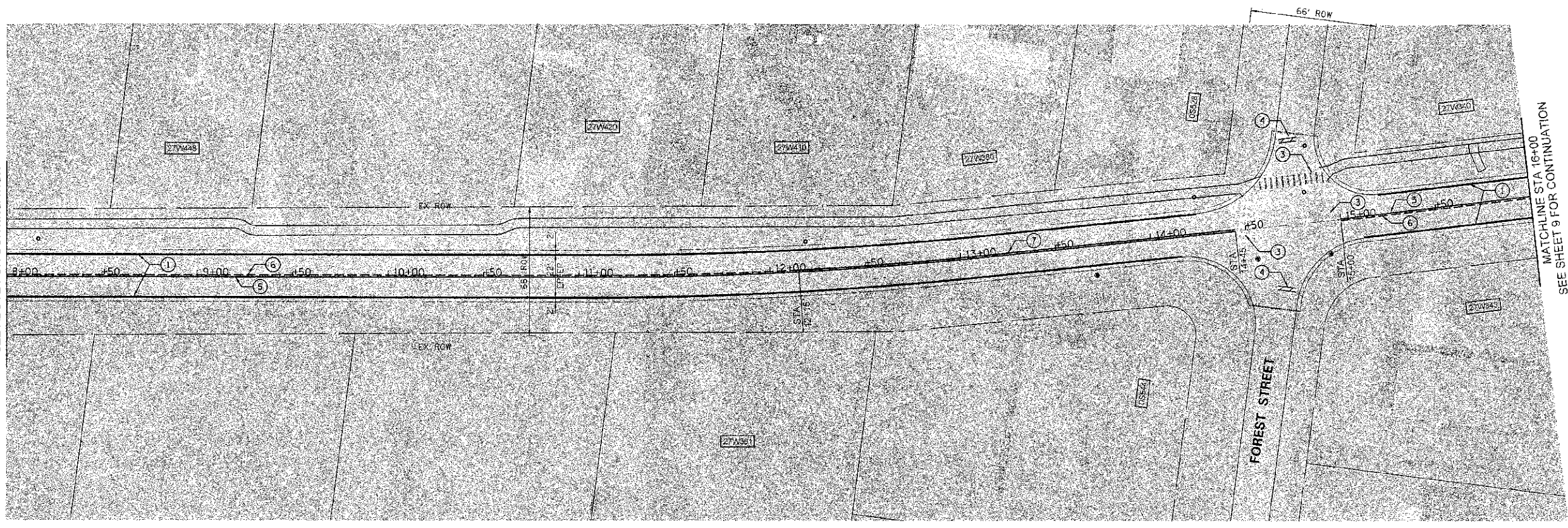
F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
3549	12-00046-00-R5	DU PAGE	21 7
CONTRACT NO. 63774			

ILLINOIS TCO, AID PROJECT



MATCHLINE STA 8+00
SEE BELOW FOR CONTINUATION

- PAVEMENT MARKINGS LEGEND**
- ① THERMOPLASTIC PAVEMENT MARKING LINE, 4" WHITE
 - ② THERMOPLASTIC PAVEMENT MARKING LINE, 6" WHITE
 - ③ THERMOPLASTIC PAVEMENT MARKING LINE, 12" WHITE
 - ④ THERMOPLASTIC PAVEMENT MARKING LINE, 24" WHITE
 - ⑤ THERMOPLASTIC PAVEMENT MARKING LINE, 4" YELLOW
 - ⑥ THERMOPLASTIC PAVEMENT MARKING LINE, 4" YELLOW DASHED (10' DASH - 30' SPACE)
 - ⑦ THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE YELLOW (DOUBLE SOLID LINES, 11" C-C)



MATCHLINE STA 8+00
SEE ABOVE FOR CONTINUATION

MATCHLINE STA 16+00
SEE SHEET 9 FOR CONTINUATION

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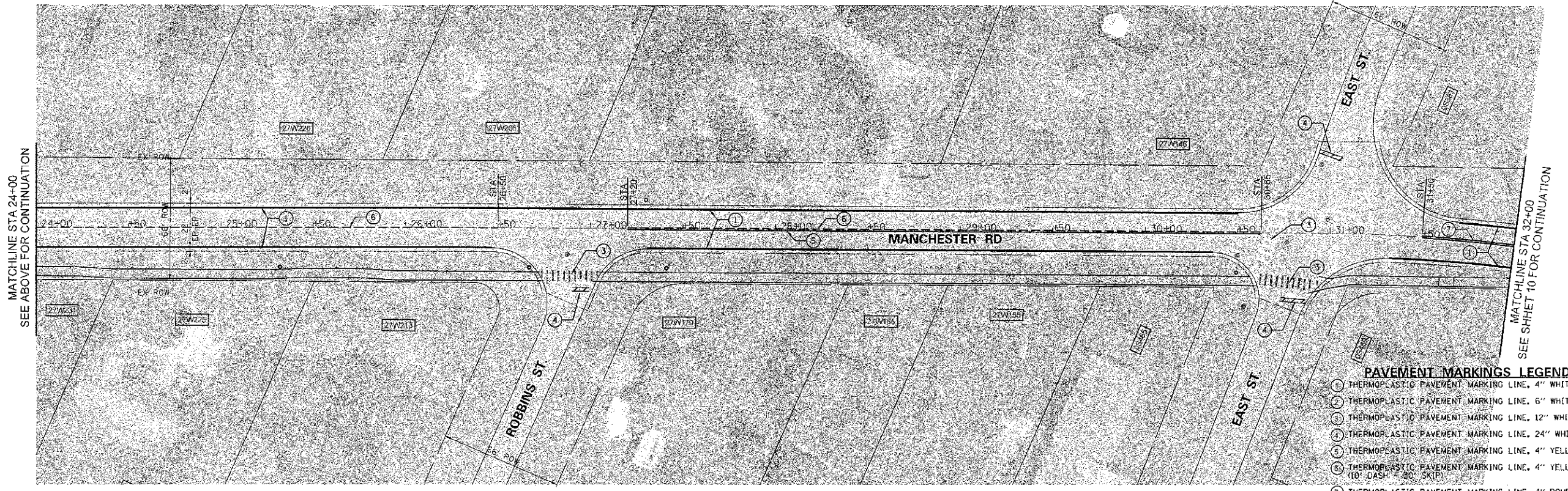
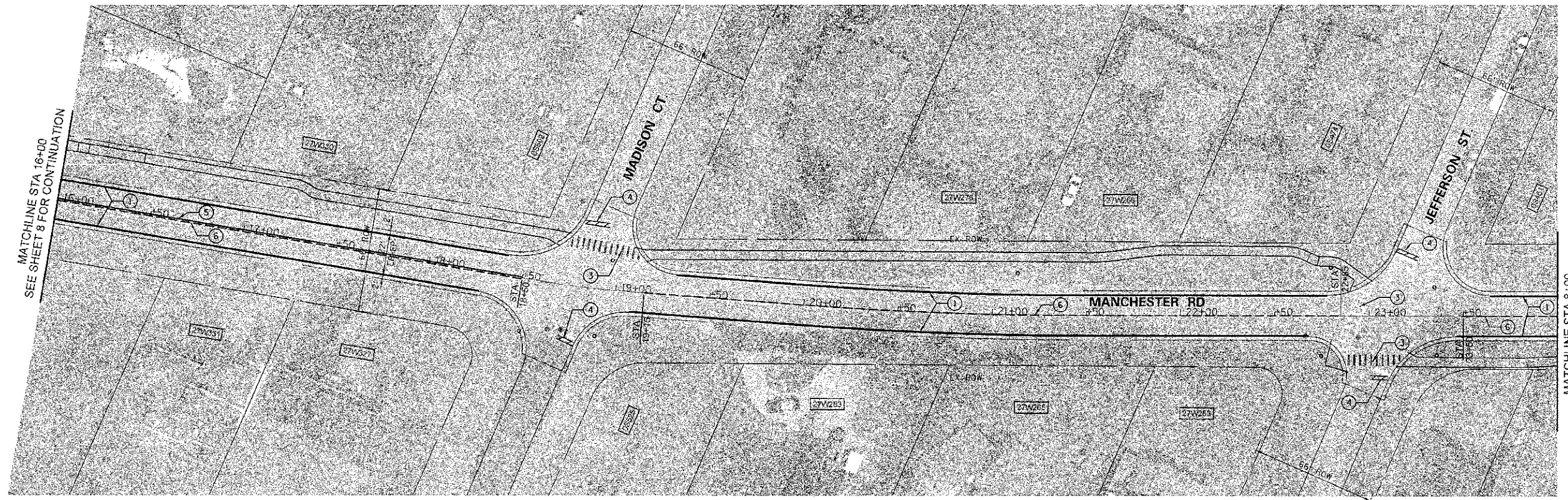
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DATE -	DEC 2012	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MANCHESTER ROAD STRIPING
STA 0+55 TO STA 16+00**

SCALE: 1"=30' SHEET No. 8 OF 16 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3549	12-00046-00-RS	DU PAGE	21	8
CONTRACT NO. 63774			ILLINOIS FED. AID PROJECT	



- PAVEMENT MARKINGS LEGEND**
- ① THERMOPLASTIC PAVEMENT MARKING LINE, 4" WHITE
 - ② THERMOPLASTIC PAVEMENT MARKING LINE, 6" WHITE
 - ③ THERMOPLASTIC PAVEMENT MARKING LINE, 12" WHITE
 - ④ THERMOPLASTIC PAVEMENT MARKING LINE, 24" WHITE
 - ⑤ THERMOPLASTIC PAVEMENT MARKING LINE, 4" YELLOW
 - ⑥ THERMOPLASTIC PAVEMENT MARKING LINE, 4" YELLOW DASHED (10' DASH, 20' SKIP)
 - ⑦ THERMOPLASTIC PAVEMENT MARKING LINE, 4" DOUBLE YELLOW (DOUBLE SOLID LINES, 11" C-C)

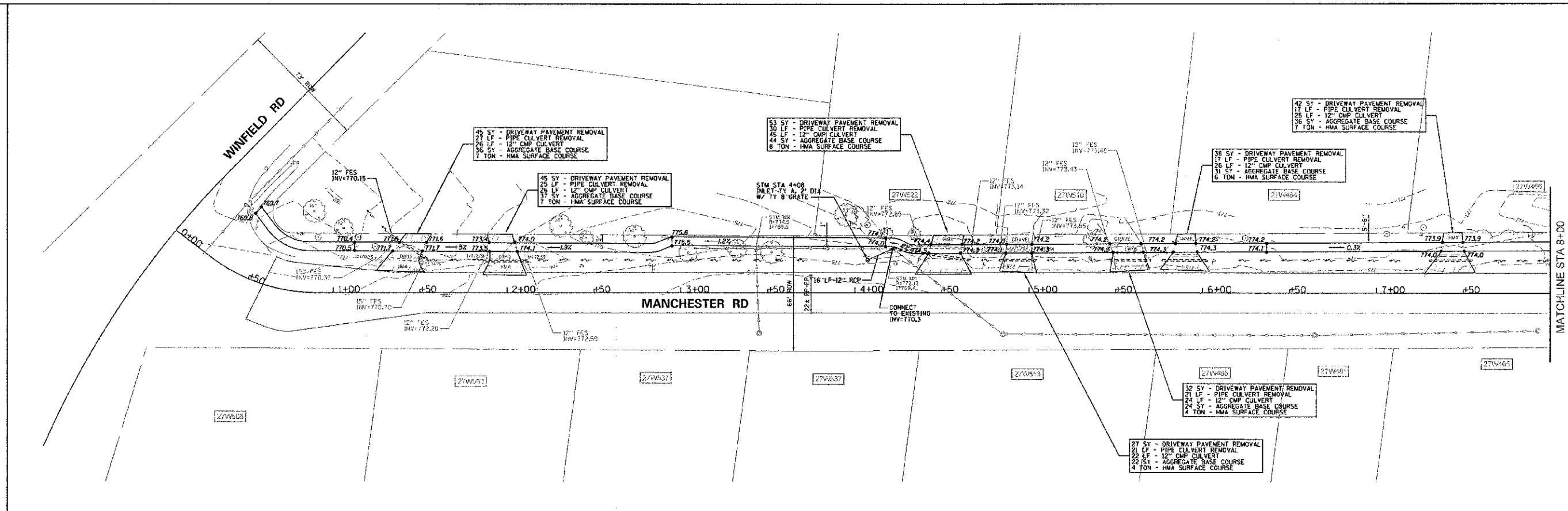
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

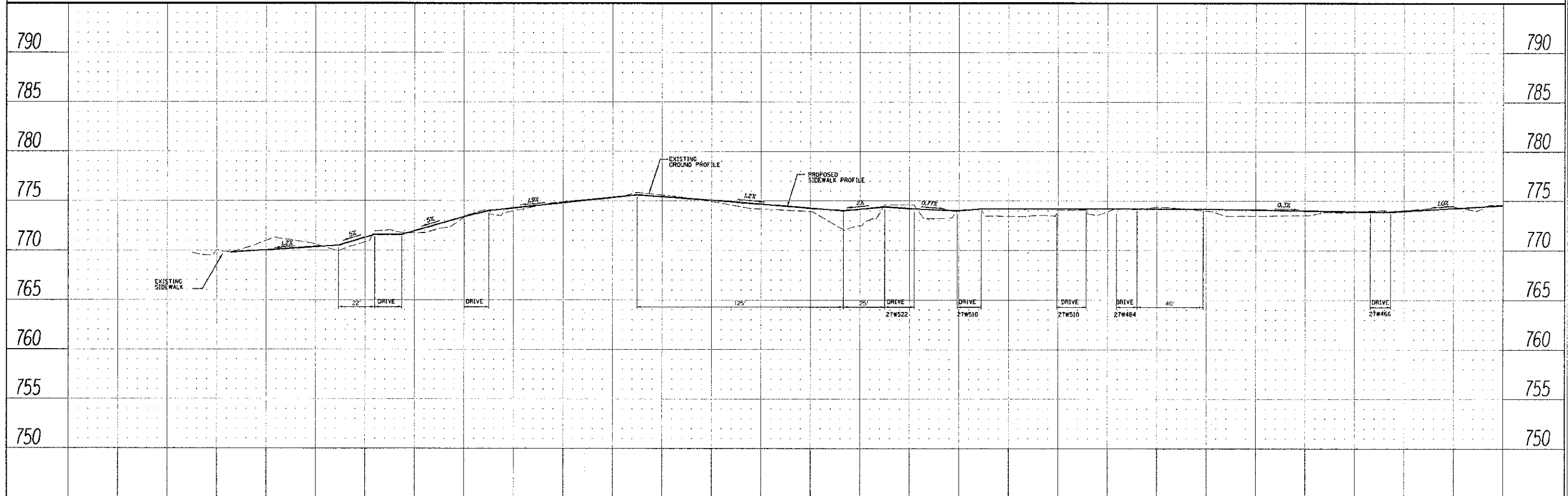
**MANCHESTER ROAD STRIPING
STA 16+00 TO STA 32+00**

SCALE: 1"=30' SHEET No. 9 OF 16 SHEETS

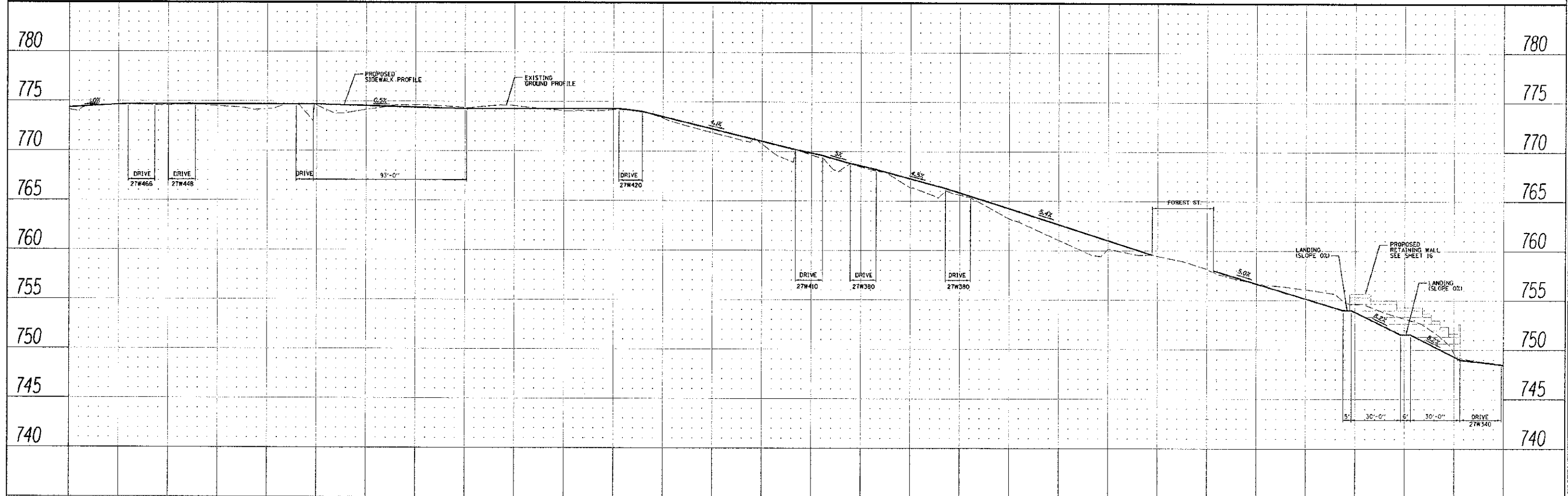
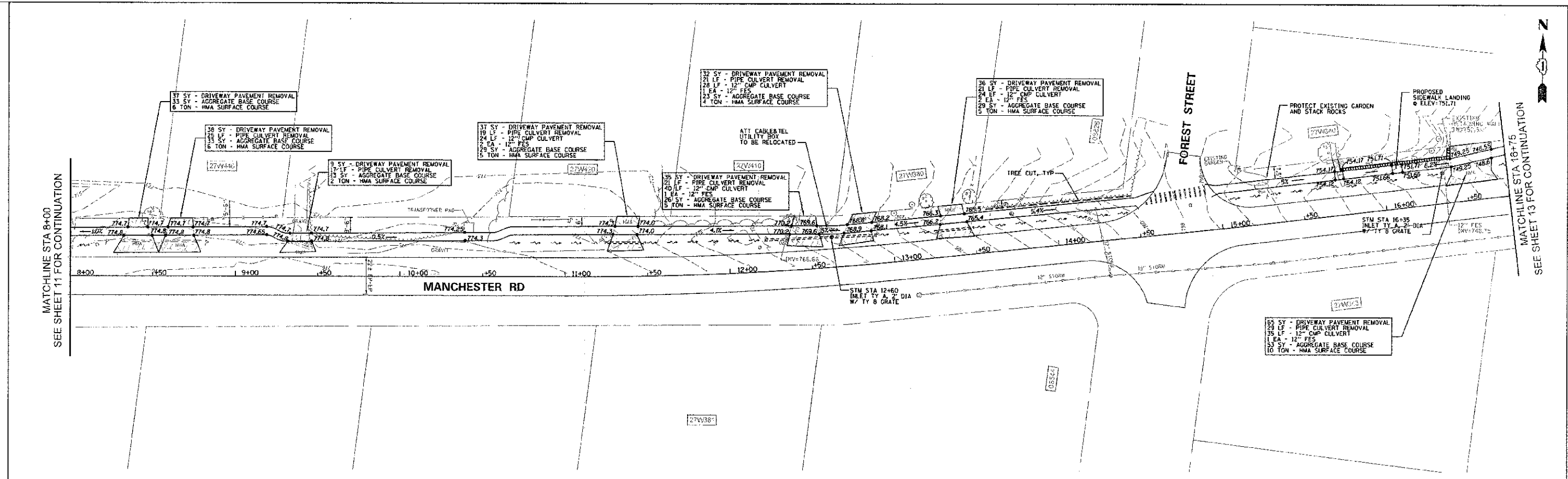
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3549	12-00046-00-R5	DU PAGE	21	9
			CONTRACT NO. 63774	
ILLINOIS FED. AID PROJECT				



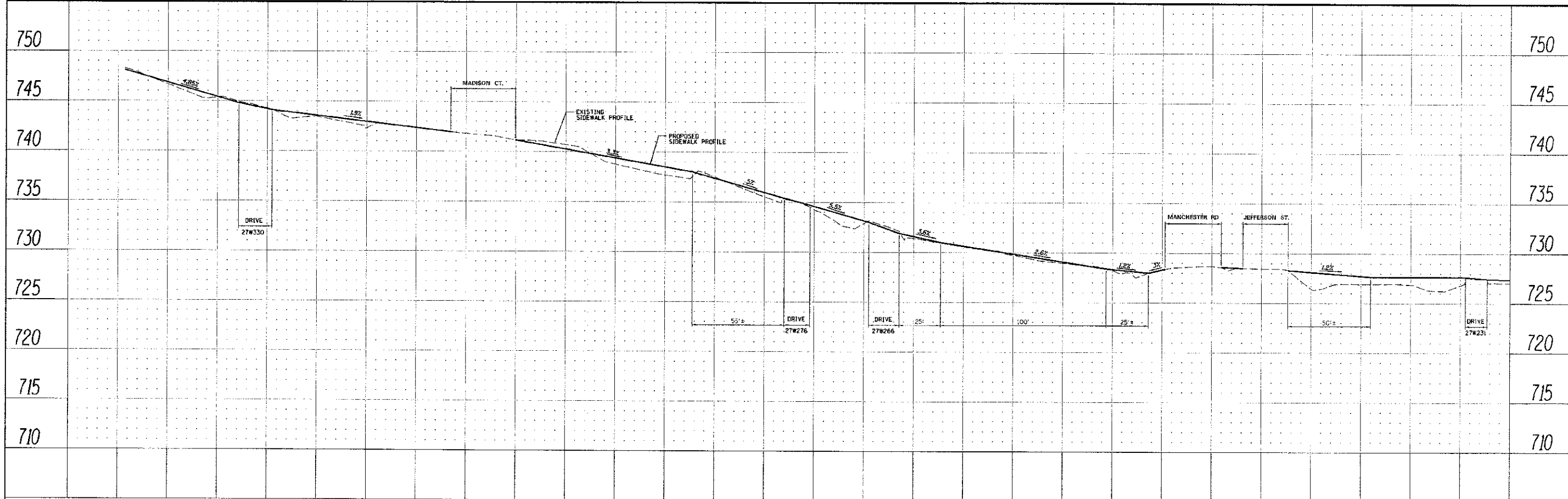
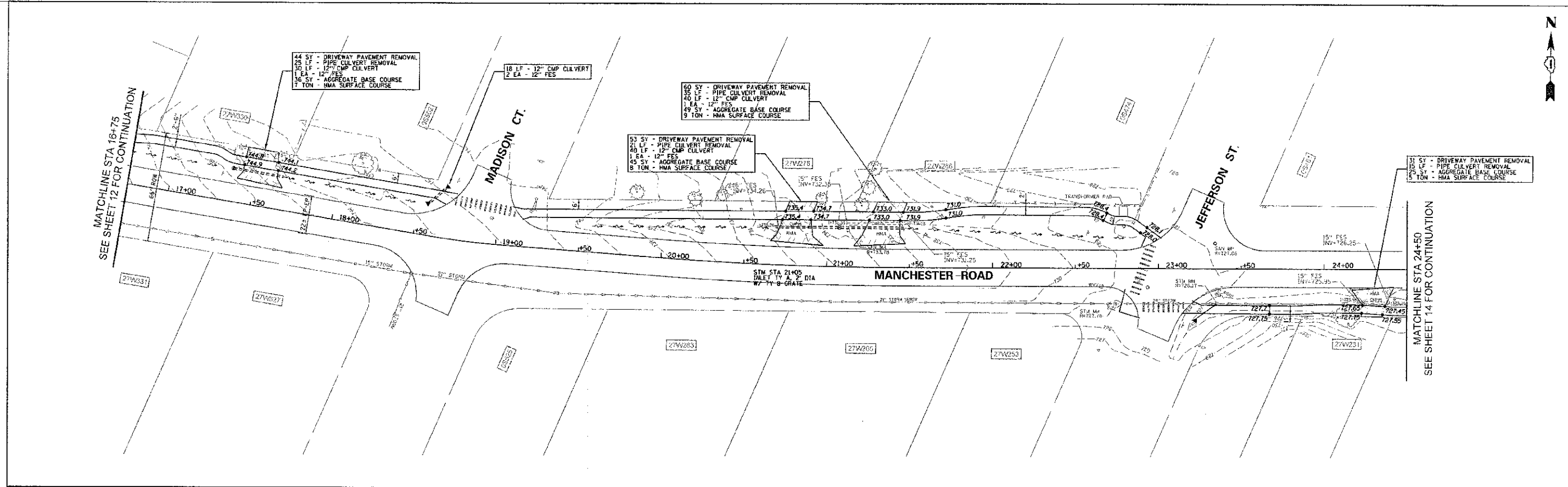
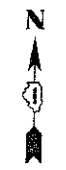
MATCHLINE STA 8+00
SEE SHEET 12 FOR CONTINUATION



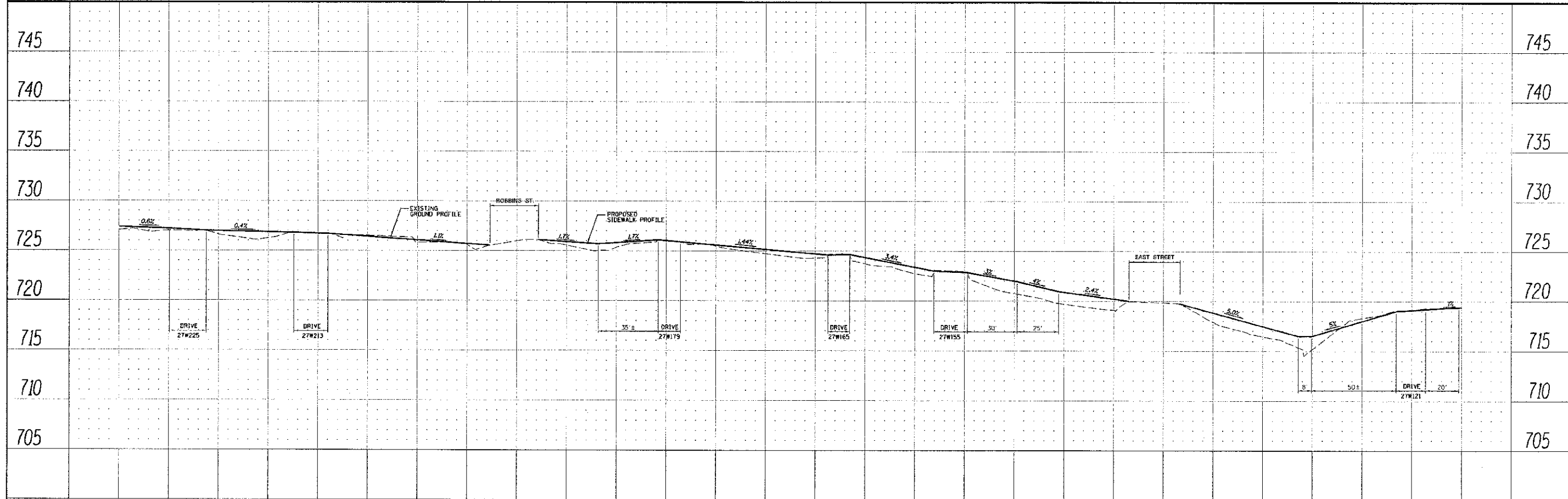
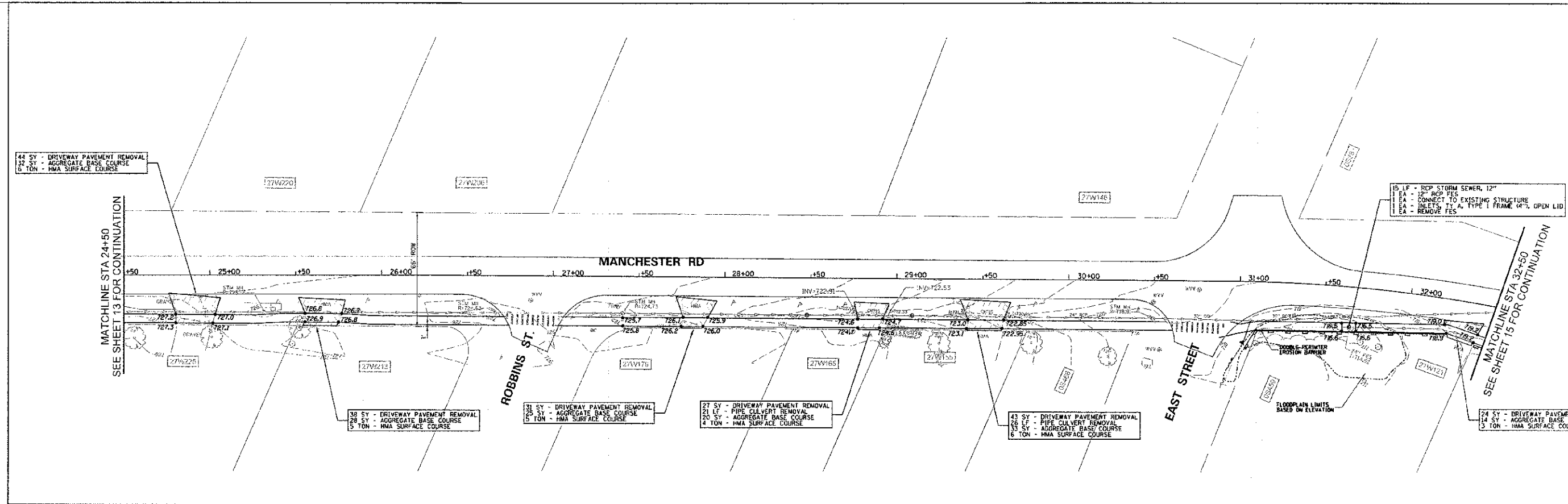
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		DATE - DEC 2012	REVISIONS -			ILLINOIS FED. AID PROJECT					



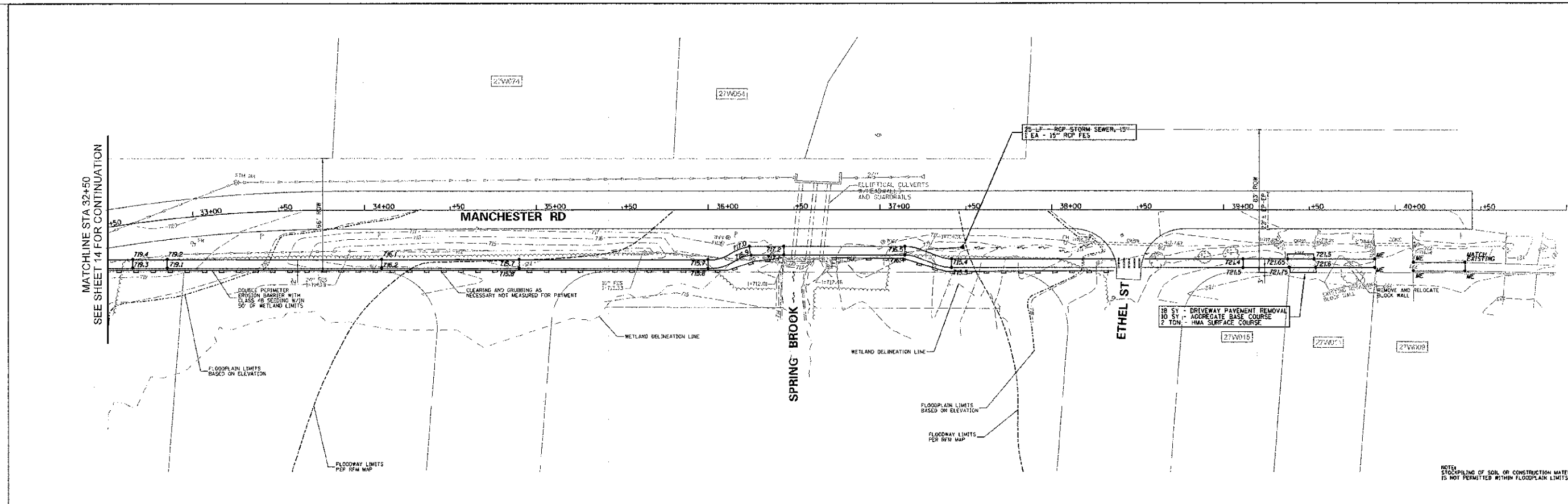
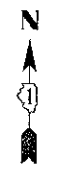
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		DATE - DEC 2012	REVISED -			ILLINOIS FED. AID PROJECT					



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		DATE - DEC 2012	REVISED -			ILLINOIS FED. AID PROJECT				



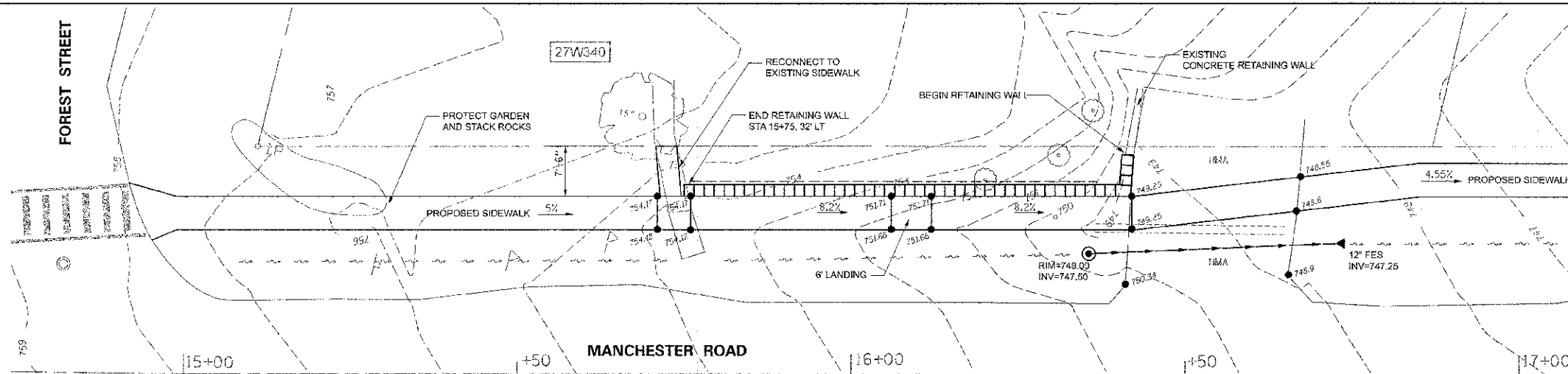
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		DATE - DEC 2012	REVISED -								



NOTE:
STOCKPILING OF SOIL OR CONSTRUCTION MATERIAL
IS NOT PERMITTED WITHIN FLOODPLAIN LIMITS AT ANYTIME

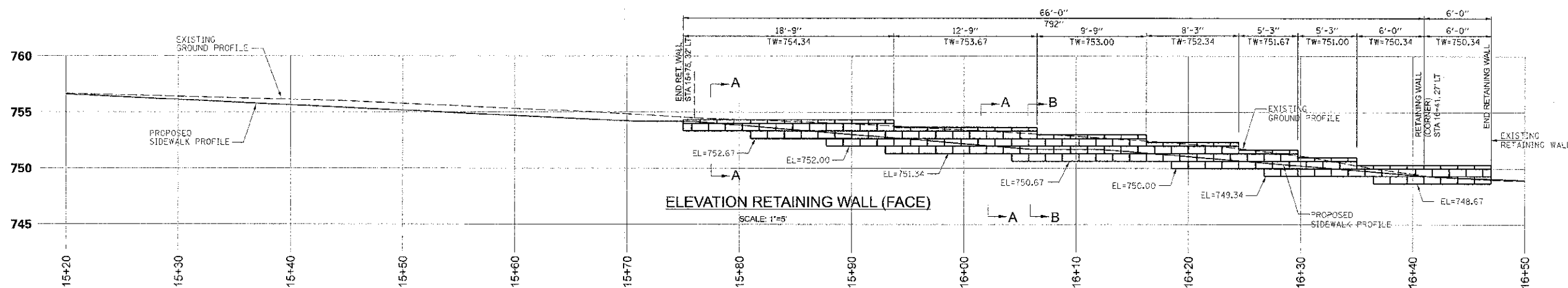


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		DATE - DEC 2012	REVISED -			ILLINOIS FED. AID PROJECT				



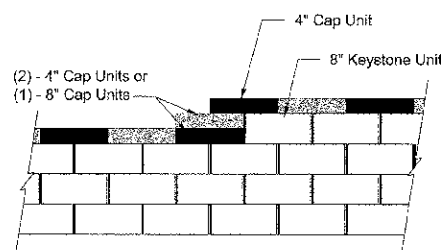
PLAN

- NOTES SEGMENTAL PRECAST WALL SPECIFICATIONS:
1. THE SECTION SHOWN REPRESENTS TYPICAL WALL SECTIONS (MAX. HEIGHT) CONSTRUCTION FOR THE RETAINING WALL KEYSTONE (OR APPROVED EQUAL) (8" UNITS) SYSTEM AT 27W340 MANCHESTER ROAD.
 2. SEE MANUFACTURER INFORMATION FOR ADDITIONAL DETAIL ON THE KEYSTONE RETAINING WALL SYSTEM. ADDITIONALLY ACCEPTABLE BLOCK MANUFACTURERS INCLUDE VERSA-LOK AND UNILOCK.
 3. PLACE 1/2" DIA. PERFORATED ADS 8-12 DRAINTILE WITH GEOTECH. WRAP AND OUTLET TO SITE DRAINAGE SYSTEM.
 4. SUB CUT TO DEPTH "D" AS REQUIRED AND REPLACE WITH SUITABLE COMPACTED STRUCTURAL FILL TO ACHIEVE THE REQUIRED BEARING CAPACITY AS DIRECTED BY SITE GEOTECHNICAL ENGINEER. THE STRUCTURAL FILL IS TO BE COMPACTED TO A MINIMUM 95% STANDARD PROCTER DENSITY.
 5. APPROXIMATE LIMITS OF EXCAVATION VARIES WHEN SUBCUT IS REQUIRED.
 6. DO NOT BRING HEAVY EQUIPMENT WITHIN 3' OF THE BACK OF RETAINING WALLS.
 7. COORDINATE WITH ENGINEER TO DETERMINE BLOCK COLOR.



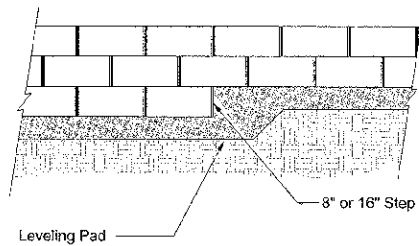
ELEVATION RETAINING WALL (FACE)

SCALE: 1"=5'



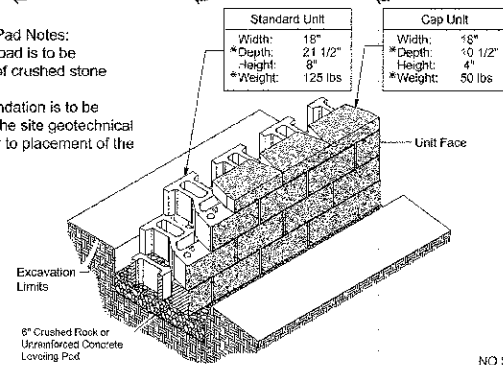
Note:
1. Secure all cap units with Keystone Kapseal or equal.

Top of Wall Steps

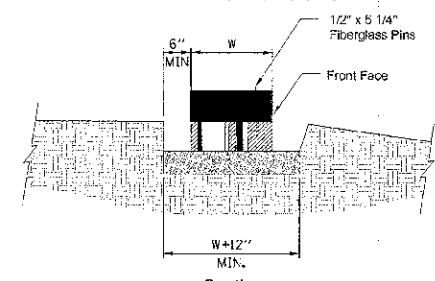


Elevation

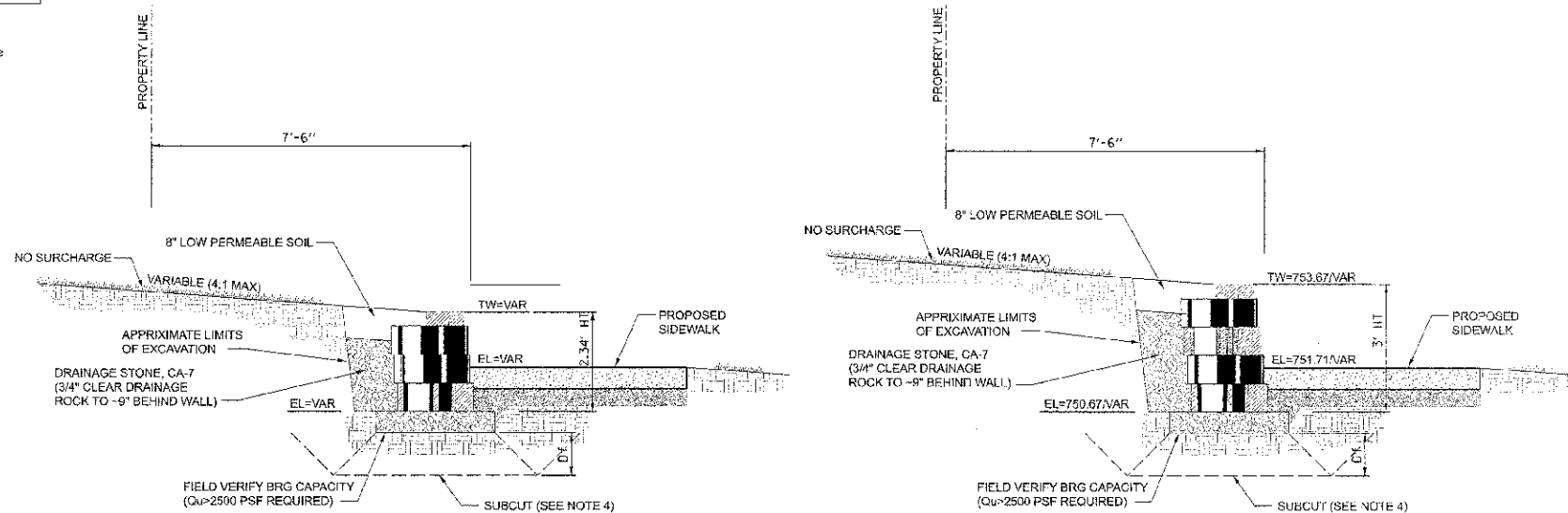
Base Leveling Pad Notes:
1. The leveling pad is to be constructed of crushed stone
2. The base foundation is to be approved by the site geotechnical engineer prior to placement of the leveling pad.



Standard Unit/Base Pad Isometric Section View
Dimensions & Weight May Vary by Region



Section
Leveling Pad Detail



SECTION A-A
TYPICAL

Standard Unit - 1" Setback

SECTION B-B
TYPICAL

Standard Unit - 1" Setback

FILE NAME =	USER NAME = \$USER\$	DESIGNED - DR	REVISED -
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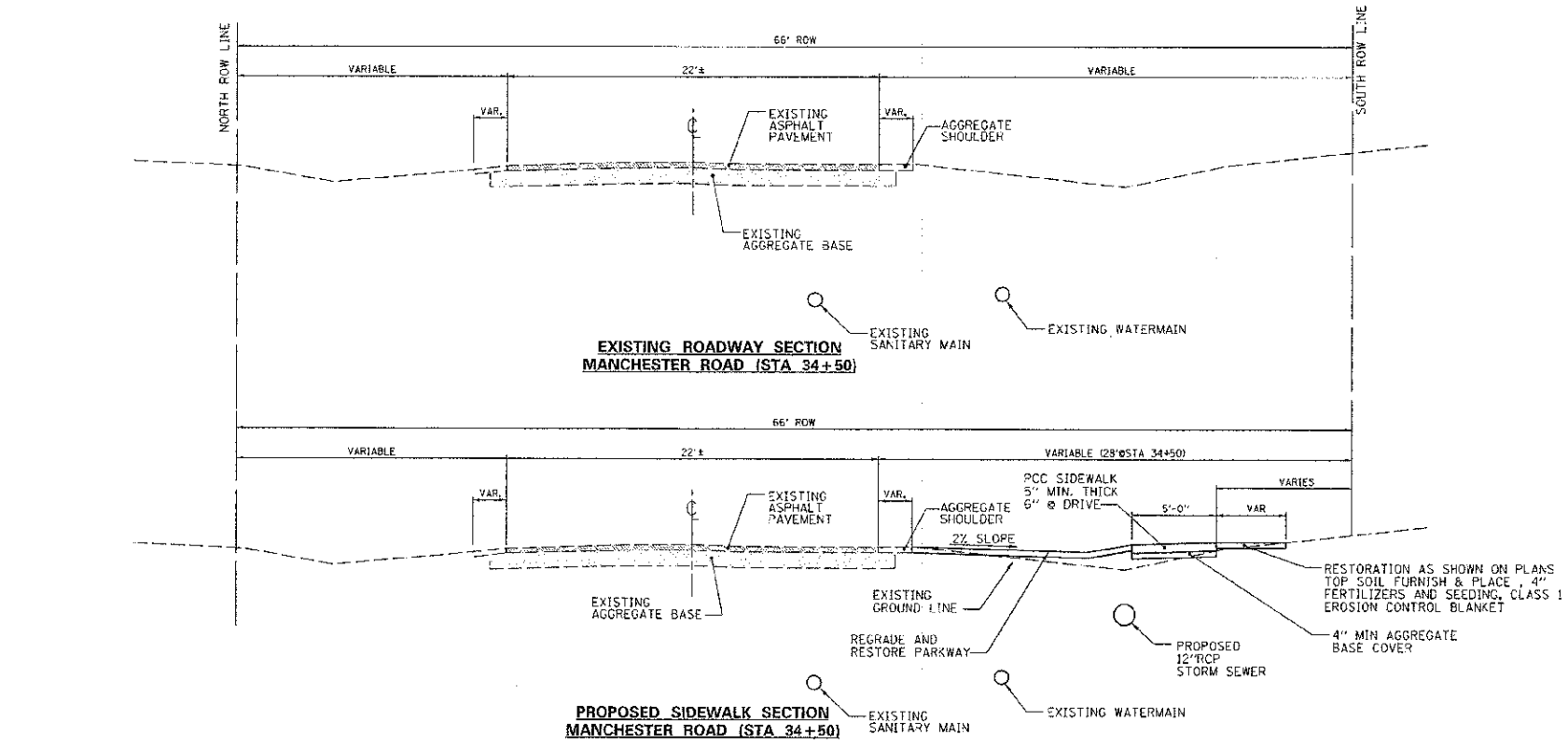
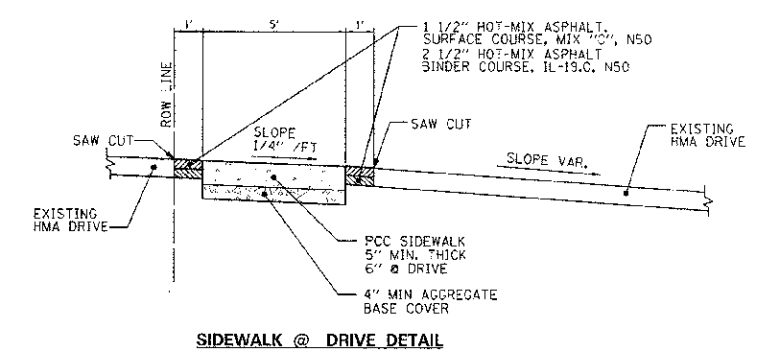
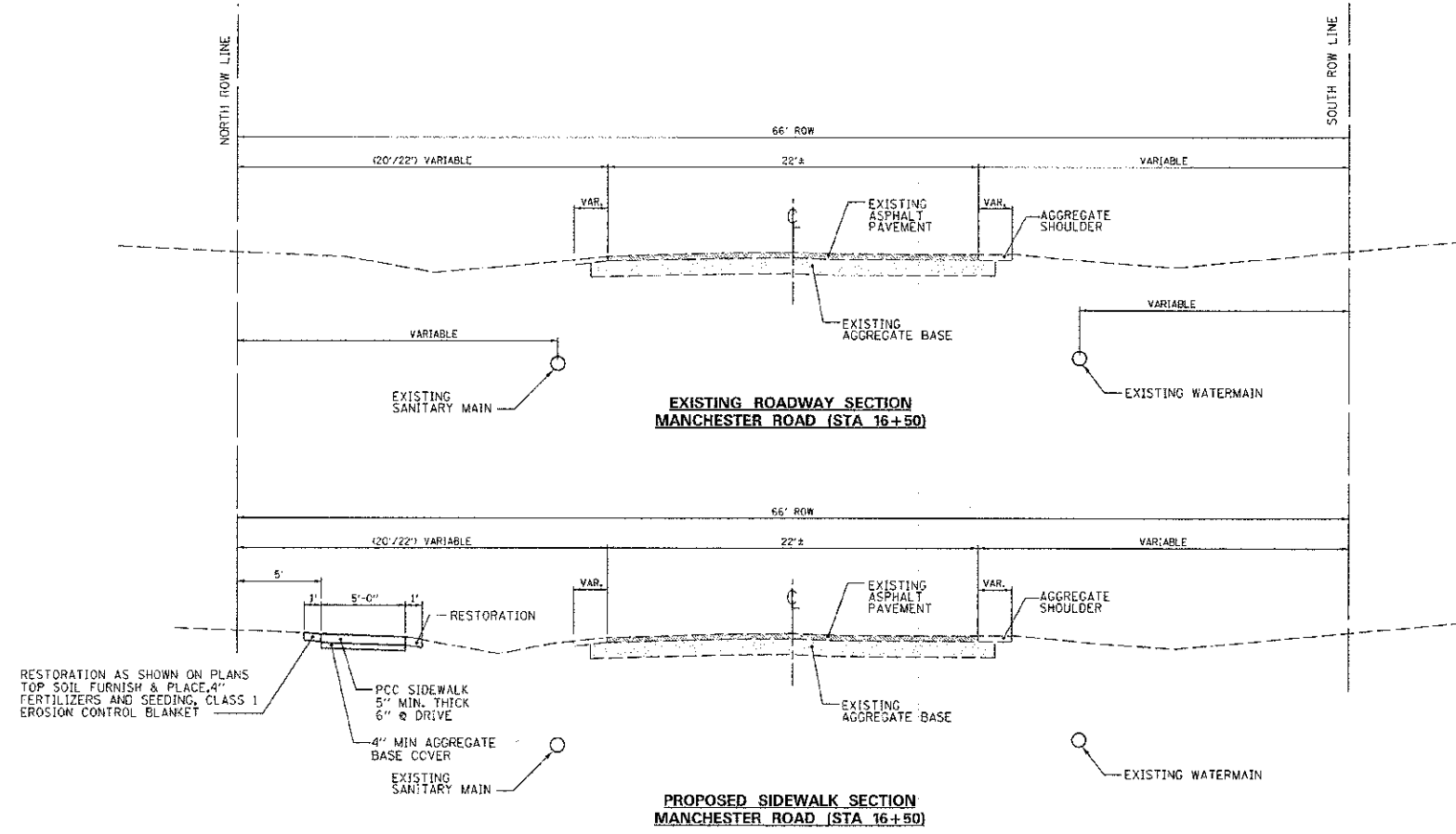
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALL PLAN AND ELEVATION
@ 27W340 MANCHESTER ROAD

SCALE: 1"=10'

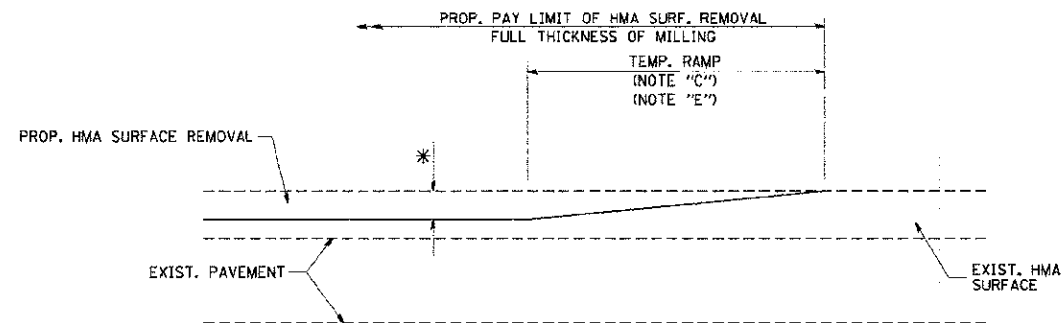
SHEET No. 16 OF 21

F.A.H. RTE.	SECTION	COUNTY	TOTAL SHEETS
3549	12-00046-00-R5	DU PAGE	21
		CONTRACT NO.	63774
		ILLINOIS FED. AID PROJECT	



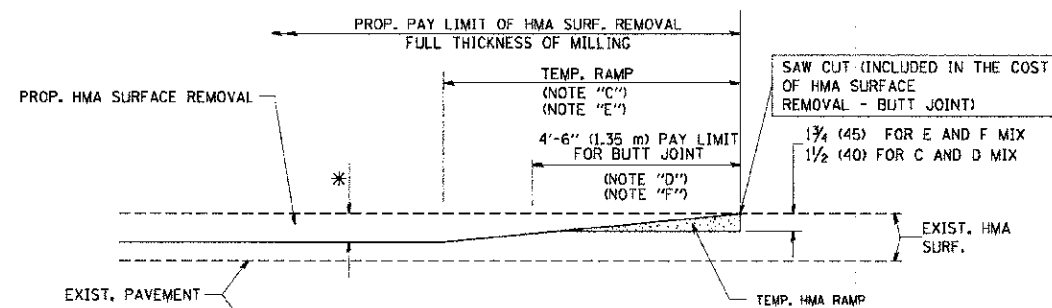
- NOTES:**
1. PARKWAY SLOPE VARIABLE
 2. SIDEWALK SHALL BE A MINIMUM OF 5" THICK, 6" AT DRIVE.
 3. CONTRACTION JOINTS, "V" TYPE, SHALL BE TOOLED IN THE SURFACE OF THE SIDEWALK AT 5 FOOT INTERVALS.
 4. EXPANSION JOINTS 1/2" SHALL BE PROVIDED EVERY 50 FEET, AND AT ALL LOCATIONS WHERE SIDEWALK ADJUTS CONCRETE CURBS.
 5. THE FINISHED SIDEWALK SURFACE SHALL HAVE A BROOM TEXTURE.
 6. CONSTRUCTION JOINTS, AS SHOWN, SHALL BE CONSTRUCTED AT ALL TERMINUS ENDS WHERE THE SIDEWALK IS NOT CONSTRUCTED CONTINUOUS.
 7. SIDEWALK SURFACE SHALL BE SPRAY CURED WHEN TEMPERATURE IS EXPECTED TO EXCEED 85° THAT DAY.
 8. THE FINAL SIDEWALK ALIGNMENT AND LOCATION TO BE APPROVED BY THE ENGINEER.

FILE NAME = \$FILE#	USER NAME = \$USER#	DESIGNED - DR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK TYPICAL SECTIONS	F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEET(S)	
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		DATE - DEC 2012	REVISED -			ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

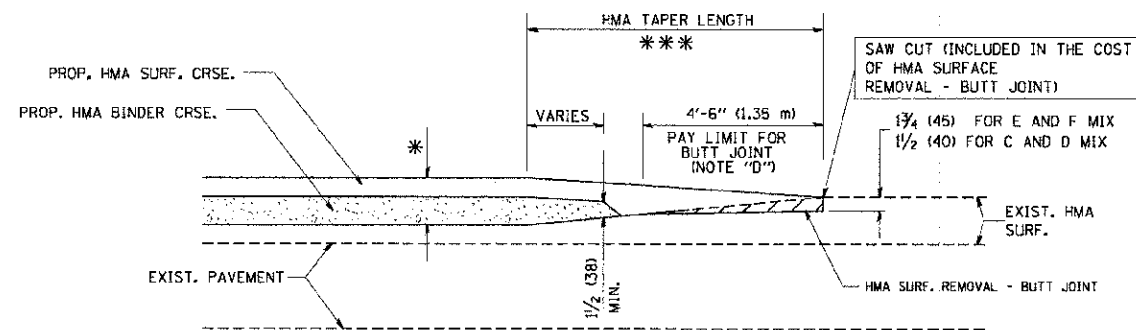
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

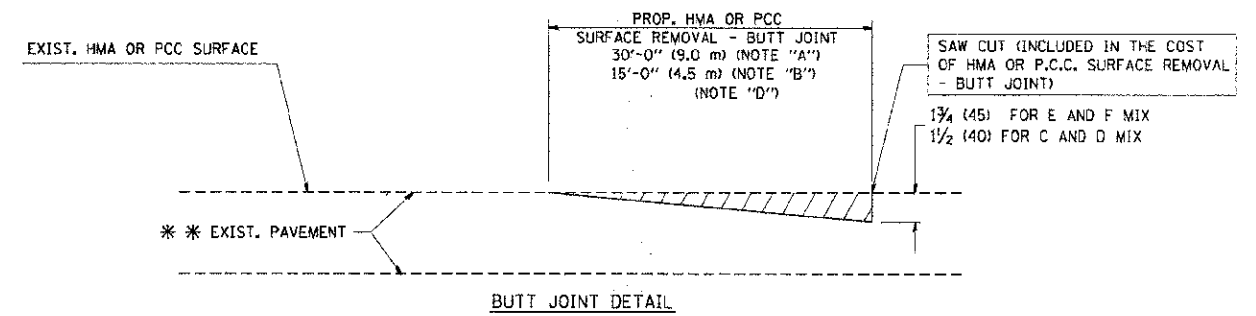
OPTION 2

TYPICAL TEMPORARY RAMP

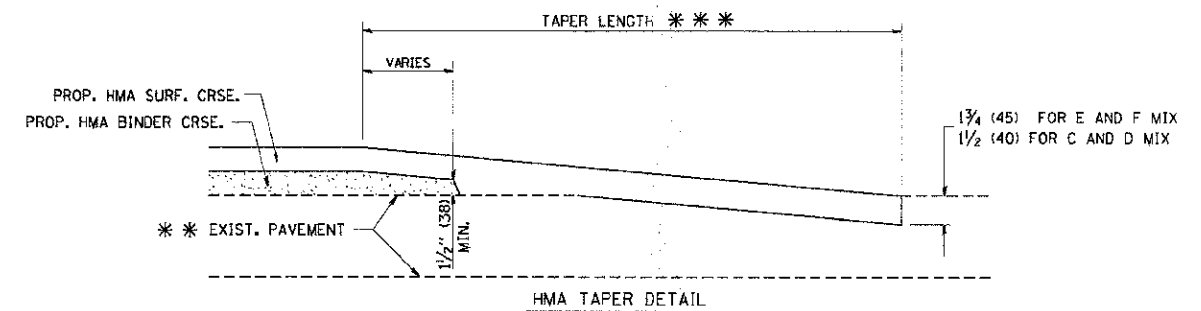


BUTT JOINT AND
HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER
DETAILS

SCALE: VERT. NONE
HORIZ. NONE

DRAWN BY

CHECKED BY

BD400-05 (V1-BD32)

FILE NAME =	USER NAME = JUSERL	DESIGNED - DR	REVISED -
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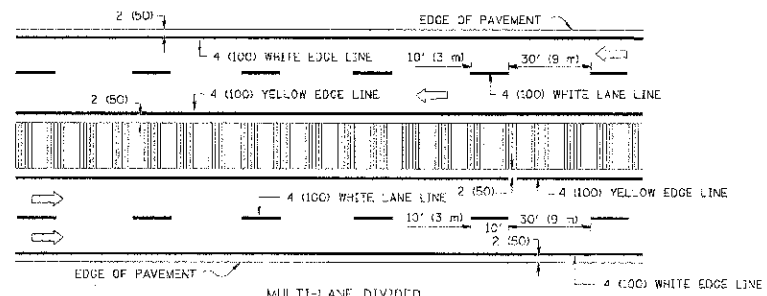
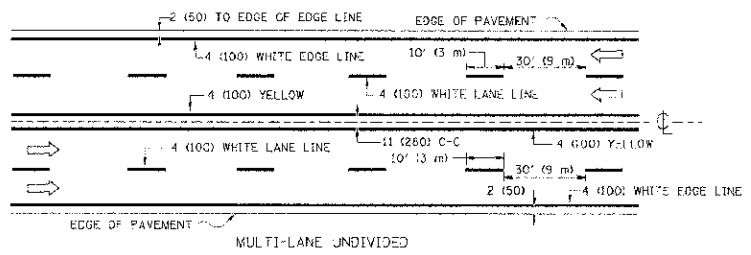
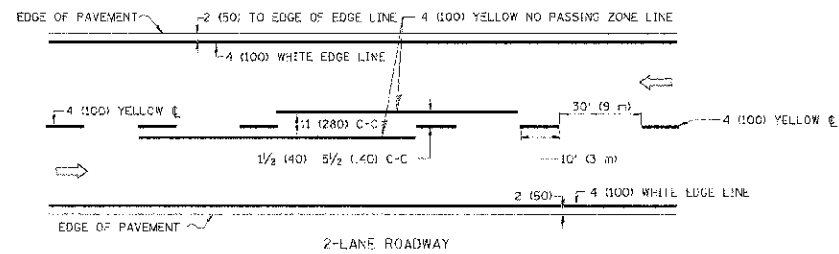
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

SCALE: N.T.S. SHEET NO. 18 OF 21 SHEETS

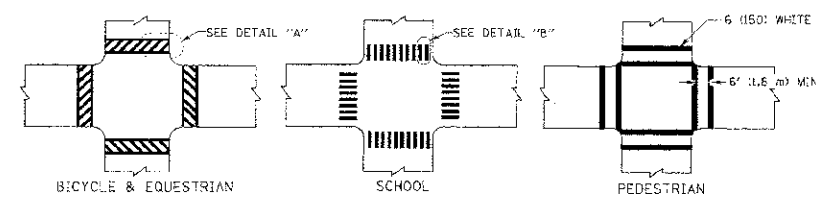
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
3543	12-C0046-00-R5	DU PAGE	21
		DU PAGE	21
		CONTRACT NO.	63774

ILLINOIS FED. AID PROJECT

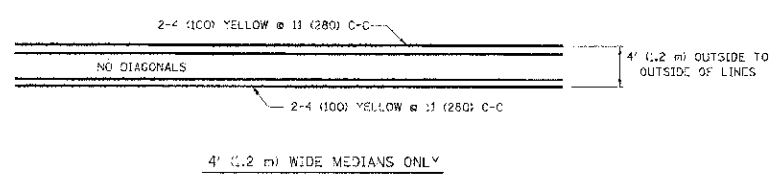


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

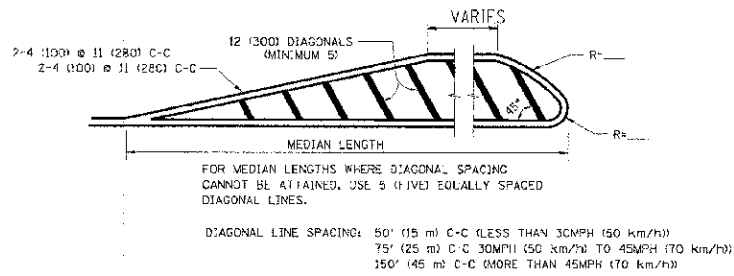
TYPICAL LANE AND EDGE LINE MARKING



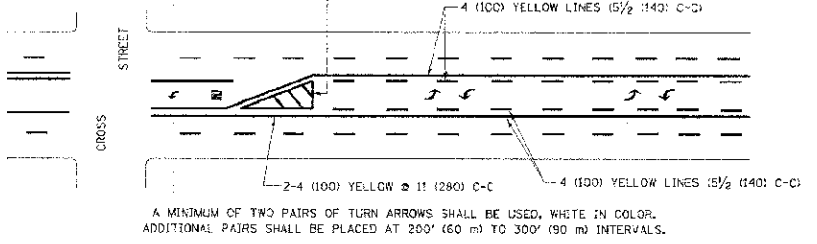
TYPICAL CROSSWALK MARKING



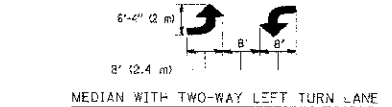
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

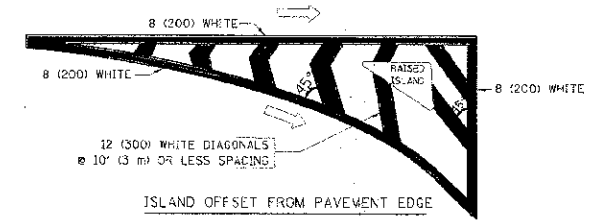


TYPICAL PAINTED MEDIAN MARKING

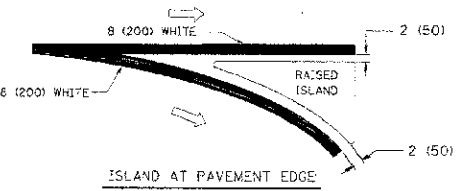


TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 1.2 m IN ADVANCE OF AND PARALLEL TO CROSSWALK IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSWALK CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW WHITE WHITE	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKINGS AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15 (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 7800C1 AREA OF: "R"=5.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

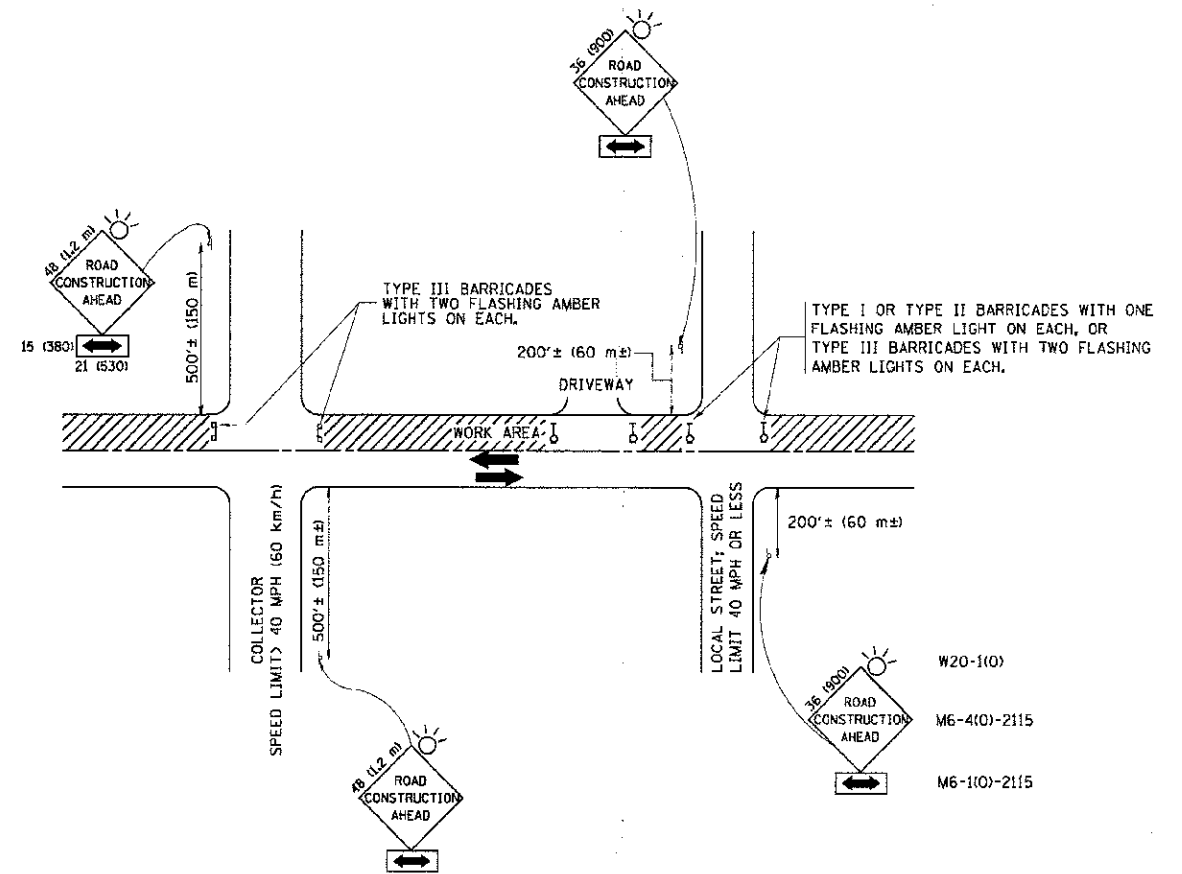
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 7800C1.

All dimensions are in inches (millimeters) unless otherwise shown.

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		DATE =	REVISED =
		DEC 2012	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT ONE TYPICAL PAVEMENT MARKINGS	
SCALE: NONE	SHEET NO. 19 OF 21 SHEETS
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
DISTRICT ONE TYPICAL PAVEMENT MARKINGS	
SCALE: N.T.S.	SHEET NO. 19 OF 21 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
	TC-13		NO.
CONTRACT NO.			
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
3549	12-00046-00-RS	DU PAGE	NO. 19
CONTRACT NO. 63774			
ILLINOIS FED. AID PROJECT			



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches) unless otherwise shown.

REVISIONS	
NAME	DATE
L.H.A.	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL AND PROTECTION
 FOR
 SIDE ROADS, INTERSECTIONS, AND
 DRIVEWAYS

SCALE: NONE DRAWN BY
 CHECKED BY

FILE NAME =	USER NAME = AUSER*	DESIGNED - DR	REVISED -
#FILE#		DRAWN - SS	REVISED -
	PLOT SCALE = #SCALE#	CHECKED - DW	REVISED -
	PLOT DATE = #DATE#	DATE - DEC 2012	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR
 SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: N.T.S. SHEET NO. <20> OF 21 SHEETS

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3549	12-C0046-00-R5		21	20
CONTRACT NO. 63774			ILLINOIS FEB. AID PROJECT	

STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY AND PERMANENT EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER N.P.D.E.S.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS AND POLLUTANTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS REQUIRED OR AS DIRECTED BY THE ENGINEER OR ON A CASE BY CASE BASIS SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER AND AS SHOWN IN THE ENGINEERING PLANS, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN THE PLANS.

THIS PLAN SHALL BE FOLLOWED FOR ALL SITE IMPROVEMENTS. AN EROSION CONTROL PLAN HAS BEEN PREPARED FOR THIS PROJECT AND IS PART OF THE APPROVED ENGINEERING PLANS. THE CONTRACTOR SHALL HAVE A COPY OF THE APPROVED PLANS INCLUDING THE EROSION CONTROL PLAN AND A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AT ALL TIMES. THE DETAILS INCLUDED IN THIS STORM WATER POLLUTION PREVENTION PLAN ARE INTENDED TO SUPPLEMENT THE DETAILS PROVIDED IN THE APPROVED PLANS AND PROVIDE RECOMMENDATION ALTERNATIVES THAT MAY BE USED TO PROVIDE EROSION AND SEDIMENTATION CONTROL AS NEEDED.

SITE DESCRIPTION OF CONSTRUCTION ACTIVITIES:

1. THE PROJECT CONSISTS OF IMPROVEMENTS TO EXISTING ROADWAYS, PAVED DRIVEWAYS, SIDEWALKS AND STORM SEWER IMPROVEMENTS.
2. THE SITE CONSTRUCTION ACTIVITIES WILL CONSIST OF THE FOLLOWING: PAVEMENT REMOVAL, MASS GRADING, PAVEMENT CONSTRUCTION, INSTALLATION OF STORM SEWER, PARKWAY RESTORATION ALONG WITH SOIL EROSION AND SEDIMENTATION MEASURES.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

INSTALL SILT FENCE AT LOCATIONS INDICATED ON THE PLANS.
STRIP TOPSOIL FROM PROPOSED SITE.

CUT & FILL SITE TO PROPOSED SUB-GRADE.

PLACE AND MAINTAIN ALL TEMPORARY EROSION CONTROL MEASURES INCLUDING DITCH CHECKS, INLET AND PIPE PROTECTION, TEMPORARY SEEDING, ETC.

CONSTRUCT UNDERGROUND IMPROVEMENTS, STORM SEWER, ETC.

COMPLETE TOPSOIL PLACEMENT AND PERMANENT EROSION CONTROL MEASURES INCLUDING TOPSOIL/SEEDING.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 1.67 ACRES OF WHICH 1.61 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEM.

CONTROLS - EROSION CONTROL AND SEDIMENT CONTROL:

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

1. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, PRESERVATION OF NATURE VEGETATION AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER OR, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED. SEE SOIL PROTECTION SCHEDULE FOR RECOMMENDATIONS.

A. AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.

B. AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.

C. BARE AND SPARSELY VEGETATED GROUND IN HIGH ERODABLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN DAYS.

D. AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), TEMPORARY DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE PROPERTY.

2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVERSEEDING CAN BE COMPLETED.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES, OR CONSTRUCTION EQUIPMENT STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.

WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

EARTH STOCKPILES SHALL BE TEMPORARILY SEEDDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN SEVEN DAYS.

AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER.

PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.

TEMPORARILY SEED ERODABLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODABLE SURFACE AREA WITHIN THE CONTRACT LIMITS.

CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.

TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.

EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS.

CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THIS SITE.

THE CONSTRUCTION MANAGER IS RESPONSIBLE FOR INSPECTING THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS OR AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCIDENTAL TO THE UNIT BID PRICE FOR EROSION CONTROL.

THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCIDENTAL TO THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDDED AND ESTABLISHED.

ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEEDDED.

MAINTENANCE AFTER CONSTRUCTION:

CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY THE OWNER. MAINTENANCE UP TO THIS DATE WILL BE BY THE CONTRACTOR.

MISCELLANEOUS:

TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 1.5 FT. FALL/RISE IN DITCH GRADE.

TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRE.

SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AND IN GENERAL BE PLACED BACK TO THE LOCATION FROM WHERE IT WAS REMOVED.

EROSION CONTROL NOTES:

EROSION CONTROL MEASURES SHALL MEET ALL REQUIREMENTS OF THE VILLAGE OF NORTH AURORA AND THE ENVIRONMENTAL PROTECTION AGENCY, N.P.D.E.S. PERMIT CONSTRUCTION SITE ACTIVITIES.

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENTATION CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL LATEST EDITION.

A COPY OF THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

IN AREAS WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN 7 DAYS OF COMPLETION, AND IN AREAS WHERE WORK HAS TEMPORARILY CEASED FOR 14 DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE 7TH DAY AFTER WORK HAS CEASED.

FOR PERMANENT SEEDING AND VEGETATION, REFER TO THE LANDSCAPE PLANS.

SOIL STOCKPILES TO REMAIN IN PLACE FOR 30 DAYS SHALL RECEIVE TEMPORARY SEEDING.

EROSION CONTROL MEASURES MUST BE CONSTRUCTED AS A FIRST STEP IN GRADING AND BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION.

DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORM WATER STRUCTURES IS PROHIBITED.

ALL EXISTING STORM SEWER INLETS OR PROPOSED STORM SEWER INLETS WHICH ARE MADE OPERABLE DURING CONSTRUCTION SHALL BE PROTECTED BY INLET PROTECTION IN PAVEMENT AREAS AND DIKES OR SILT SAVER SEDIMENT TRAPS IN GRADED AREAS.

PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THE PLANS (INCLUDING BUT NOT LIMITED TO ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW.

ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND CLEANED WHEN NECESSARY.

WINTER SHUT DOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL.

ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.

ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DISPOSED OF WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHOULD BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUBCONTRACTORS WHO PERFORM ON THIS PROJECT OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS IEPA.

ALL EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND AFTER 1/2" OR MORE OF RAIN EVENT.

EROSION CONTROL NOTES:

1. EROSION CONTROL MEASURES SHALL MEET ALL REQUIREMENTS OF THE VILLAGE AND THE ENVIRONMENTAL PROTECTION AGENCY N.P.D.E.S. PERMIT CONSTRUCTION SITE ACTIVITIES.
2. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.
3. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
4. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.
5. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORM WATER STRUCTURES IS PROHIBITED.
6. IN AREAS WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN 7 DAYS OF COMPLETION, AND IN AREAS WHERE WORK HAS TEMPORARILY CEASED FOR 21 DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE 14TH DAY AFTER WORK HAS CEASED. TEMPORARY SEEDING SHALL BE IDOT CLASS I & PERMANENT SEEDING SHALL BE IDOT CLASS I.
7. STOCKPILE OF SOIL & OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN 3 DAYS SHALL BE FURNISHED WEEDING & SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES TO REMAIN IN PLACE FOR 30 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.
8. PROPERTIES ADJACENT TO SITE OF A LAND DISTURBANCE SHOULD BE PROTECTED FROM SEDIMENT DEPOSITION THIS MAY BE ACCOMPLISHED BY PERIMETER CONTROLS SUCH AS FILTER FENCE OR DIKES, OR OTHER APPROVED MEASURES.
9. EROSION CONTROL MEASURES MUST BE CONSTRUCTED AS A FIRST STEP IN GRADING AND BE MADE FUNCTIONAL BEFORE UP SLOPE LAND DISTURBANCE TAKES PLACE.
10. WHEN EVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS SHOULD BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE.
11. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE DISPOSED OF WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHOULD BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
12. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHOULD BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND RESPIDING OF ANY MATERIAL THAT IS DEPOSITED OFF-SITE.
14. ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY & AFTER EACH 1/2" RAIN EVENT.
15. ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY & CLEANED WHEN NECESSARY.
16. TOP SOIL, 6" MINIMUM, SEEDING TYPE I AND FERTILIZER AND EROSION CONTROL BLANKET ARE TO BE PLACED OVER ALL DISTURBED AREAS, FOR FINAL RESTORATION.
17. WINTER SHUT DOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL.

SOIL PROTECTION CHART

STABILIZATION TYPE	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			A			*	*					
DORMANT SEEDING	B										B	
TEMPORARY SEEDING			C				D					
SOILING			E**									
MULCHING	F											

- A. KENTUCKY BLUEGRASS 90 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 30 LBS/ACRE.
- B. KENTUCKY BLUEGRASS 135 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 45 LBS/ACRE + STRAW MULCH 2 TONS/ACRE.
- C. SPRING OATS 100 LBS/ACRE
- D. WHEAT OR CEREAL RYE 150 LBS/ACRE
- E. SOD
- F. STRAW MULCH 2 TONS/ACRE

- * IRRIGATION NEEDED DURING JUNE AND JULY.
- ** IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD