93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	1
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

UTILITY NOTE

THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON ABOVE GROUND STRUCTURES AND RECORD DRAWINGS PROVIDED THE SURVEYOR. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/ STRUCTURES MAY EXIST. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES.

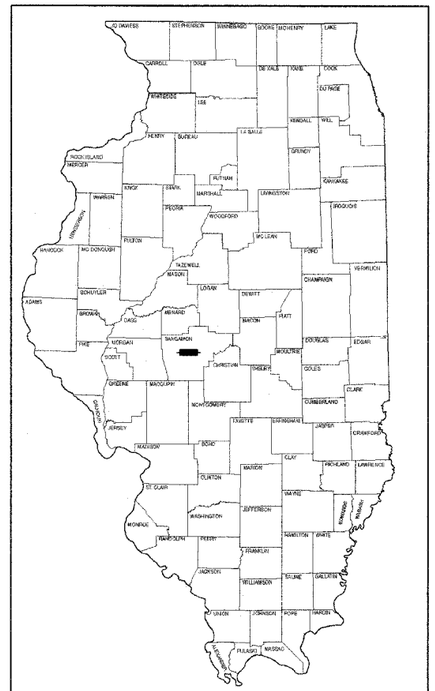
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

SEE SHEET 6 FOR LIST OF UTILITY COMPANIES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

SURFACE TRANSPORTATION/URBAN PROGRAM
FAU ROUTE 8047 (ILES AVENUE)
SECTION 96-00379-00-PV
PROJECT NO. M-5146 (66)
CITY OF SPRINGFIELD, SANGAMON COUNTY
JOB NUMBER C-96-238-07

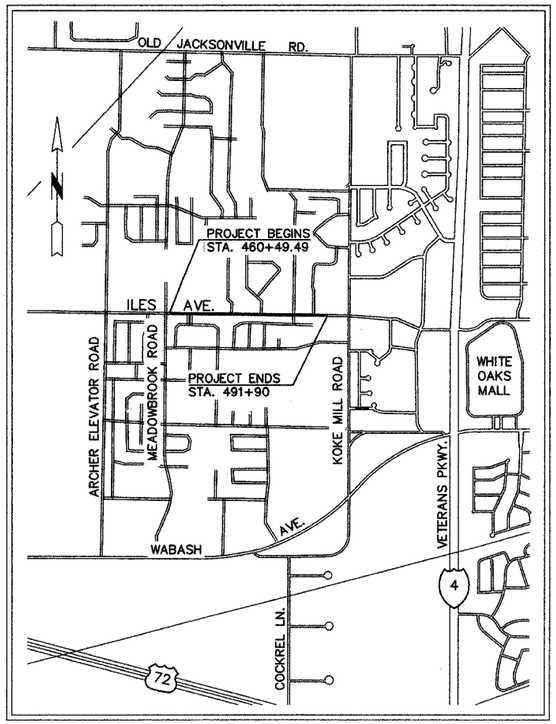


LOCATION OF SECTION INDICATED THUS: – ■

INDEX OF SHEETS

I.D.O.T. STANDARDS

280001-04
424001-05
442201-03
542301-01
602301-01
602306-01
602401-01
602406-02
602411
602601-01
602701-01
604001-02
604006-03
604036-01
604066-01
606001-03
667101
701001-01
701006-02
701011-01
701301-02
701501-04
701606-05
701801-03
701901
720001
720006-01
720011
729001
780001-01



LOCATION MAP

NET LENGTH OF IMPROVEMENT = 3140.51 L.F. = 0.595 MILES

1500' 750' 0 1500'

(APPROXIMATE SCALE: 1" = 1500')

DESIGN SPEED: 40 M.P.H.

DESCRIPTION OF WORK

THIS PROJECT CONSISTS OF RECONSTRUCTING ILES AVENUE TO PROVIDE A VARYING WIDTH ROADWAY (66' TO 55' FACE TO FACE). THE EXISTING OIL AND CHIP SURFACE WILL BE REMOVED. THE PROPOSED PAVEMENT WILL BE HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10" AND 12" AGGREGATE SUB-BASE. B-6.18 COMBINATION CURB AND GUTTER WILL ALSO BE PROVIDED THROUGH OUT THE PROJECT. ALSO INCLUDED WILL BE EARTH EXCAVATION, STORM SEWER, SIDEWALK, ENTRANCES AND OTHER RELATED WORK.

APPROVED [signature] for 3/27/08
City of Springfield, IL
CITY ENGINEER

PASSED APRIL 11, 2008
[signature]
DISTRICT SIX ENGINEER OF LOCAL ROADS AND STREETS

PASSED April 11, 2008
[signature]
DISTRICT SIX ENGINEER OF CONSTRUCTION

RELEASING FOR BID BASED ON LIMITED REVIEW
APRIL 11, 2008
Christine M Reed THF
DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CONTRACT NO.

20' 10' 0 20' — SCALE: 1" = 20' (HORIZONTAL) — PLAN & PROFILES

10' 0 10' — HORIZONTAL SCALE: 1" = 10' — CROSS SECTIONS

5' 0 5' — VERTICAL SCALE: 1" = 5' — CROSS SECTIONS

2' 0 2' — VERTICAL SCALE: 1" = 2' — PROFILES

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

DESIGN DESIGNATION:
FAU ROUTE 8047 ILES AVENUE
URBAN ARTERIAL (TS-4)
DHV = 1,030 (2027)
% PV = 92%
% SU = 7
% MU = 1

MEC
MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002843)
2223 S. MEADOWBROOK RD., S/SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8922, E-Mail : mecmail@martinengineeringco.com

PHILIP G. MARTIN 48381 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

[signature]
ILLINOIS PROFESSIONAL ENGINEER NO. 48381

DATE SIGNED : 3-21-08

LICENSE EXP. DATE : 11-30-09

CONTRACT NO. 93464

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

C:\Jobs\96100\CONPLANS_2007\C-CVRS.dwg

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	2
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	354
20200100	EARTH EXCAVATION	CU YD	15,506
20800150	TRENCH BACKFILL	CU YD	2,003
25000200	SEEDING, CLASS 2	ACRE	2.0
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	180
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	180
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	180
25000700	AGRICULTURAL GROUND LIMESTONE	TON	4
25100125	MULCH, METHOD 3	ACRE	2.0
25100630	EROSION CONTROL BLANKET	SQ YD	531.0
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	600
28000300	TEMPORARY DITCH CHECKS	EACH	43
28000400	PERIMETER EROSION BARRIER	FOOT	6,288
28000500	INLET AND PIPE PROTECTION	EACH	102
28100105	STONE RIPRAP, CLASS A3	SQ YD	87
28200200	FILTER FABRIC	SQ YD	87
31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	22,547
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	1,500
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	87
40600990	TEMPORARY RAMP	SQ YD	141
40701881	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	SQ YD	20,456
40800050 *	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	9
42001300	PROTECTIVE COAT	SQ YD	4,031
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	261
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	30,916

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
42400800	DETECTABLE WARNINGS	SQ FT	204
44000400	GUTTER REMOVAL	FOOT	433
44000100	PAVEMENT REMOVAL	SQ YD	2,141
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	184
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	205
44000600	SIDEWALK REMOVAL	SQ FT	469
44201729	CLASS D PATCHES, TYPE II, 7 INCH	SQ YD	7
44201733	CLASS D PATCHES, TYPE III, 7 INCH	SQ YD	21
44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SQ YD	33
50105220	PIPE CULVERT REMOVAL	FOOT	582
54010302 *	PRECAST CONCRETE BOX CULVERT 3' X 2'	FOOT	435
54010402 *	PRECAST CONCRETE BOX CULVERT 4' X 2'	FOOT	133
54010503 *	PRECAST CONCRETE BOX CULVERT 5' X 3'	FOOT	388
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	5
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	3
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	2
55100300	STORM SEWER REMOVAL 8"	FOOT	55
55100500	STORM SEWER REMOVAL 12"	FOOT	314
55100700	STORM SEWER REMOVAL 15"	FOOT	53
55100900	STORM SEWER REMOVAL 18"	FOOT	55
55034300	STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 30, RISE 19	FOOT	154
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	149
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8
60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	3

* - SEE SPECIAL PROVISIONS

NOTE: ALL ITEMS ARE UNDER CONSTRUCTION TYPE CODE 1000-2A

SUMMARY OF QUANTITIES
ILES AVENUE SECTION 96-00379-00-PV
SHEET 2 OF 66 SHEETS

Attached 2nFO found at :
X-TRK [G:\Jobs\96100\CONPLANS_2007\X-TRK.dwg]

G:\jobs\96100\CONPLANS_2007\C-QNTY.dwg, SUMM (1), 3/20/2008 1:37 PM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	3
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5
60221200	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	2
60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
60228600 *	MANHOLES, SPECIAL WITH TYPE 1 FRAME, CLOSED LID	EACH	11
60228700 *	MANHOLES, SPECIAL WITH TYPE 3 FRAME AND GRATE	EACH	1
60228900 *	MANHOLES, SPECIAL WITH TYPE 8 GRATE	EACH	1
60235300	INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID	EACH	1
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	42
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	11
60237000	INLETS, TYPE A, TYPE 15 FRAME AND LID	EACH	3
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1
60266600	VALVE BOXES TO BE ADJUSTED	EACH	7
60500040 *	REMOVING MANHOLES	EACH	1
60500060 *	REMOVING INLETS	EACH	2
60602200	CONCRETE GUTTER	FOOT	32
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	6,242
60801008	FLAP GATE 8"	EACH	1
66700105	PERMANENT SURVEY MARKERS (SPECIAL)	EACH	1
67100100	MOBILIZATION	L SUM	1
70103700 *	TRAFFIC CONTROL COMPLETE	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	900
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	355
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	13,980
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	639
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1,500
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	120
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	8,640
72000100	SIGN PANEL - TYPE 1	SQ FT	20
72900110	METAL POST - TYPE A	EACH	3
78000100 Δ	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	338
78000300 Δ	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	12,649
78000400 Δ	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	839
78000600 Δ	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	214
78000650 Δ	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	120
78001100 Δ	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	17
78001120 Δ	PAINT PAVEMENT MARKING - LINE 5"	FOOT	1,331
78001150 Δ	PAINT PAVEMENT MARKING - LINE 12"	FOOT	1,286
78300100	PAVEMENT MARKING REMOVAL	SQ FT	90
XX000856 *	MAILBOX REMOVAL AND RELOCATION	EACH	7
XX004895 *	PIPE UNDERDRAIN CLEANOUT, COMPLETE	EACH	1
X0321556 *	SANITARY MANHOLES TO BE ADJUSTED	EACH	10
X0322124 *	STORM SEWER (WATER MAIN REQUIREMENTS) 8 INCH	FOOT	17
X0322033 *	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	1,516
X0322034 *	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	52
X0322035 *	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	947
X0322127 *	STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH	FOOT	610
Z0013798 *	CONSTRUCTION LAYOUT	L SUM	1
+ Z0076600 *	TRAINEES	HOUR	1000

Δ - SPECIALTY ITEMS
* - SEE SPECIAL PROVISIONS
+ - Y080
NOTE: ALL ITEMS ARE UNDER CONSTRUCTION TYPE CODE 1000 - 2A

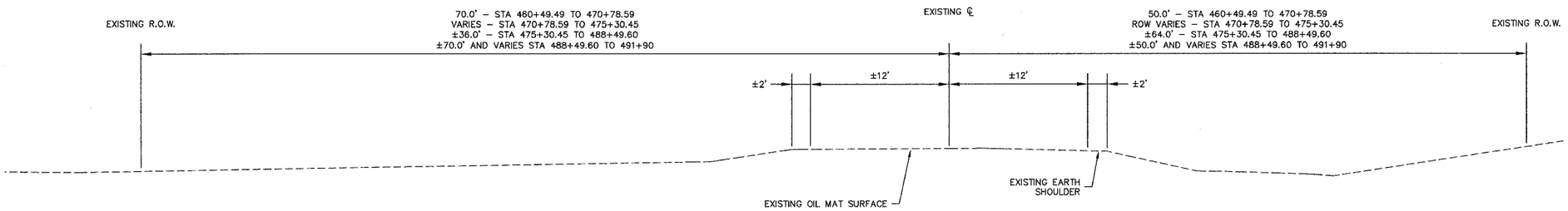
SUMMARY OF QUANTITIES
ILES AVENUE SECTION 96-00379-00-PV
SHEET 3 OF 66 SHEETS

Attached PDF(s) Found in
Z:\Jobs\96100\CONPLANS_2007\C-TEXT.dwg

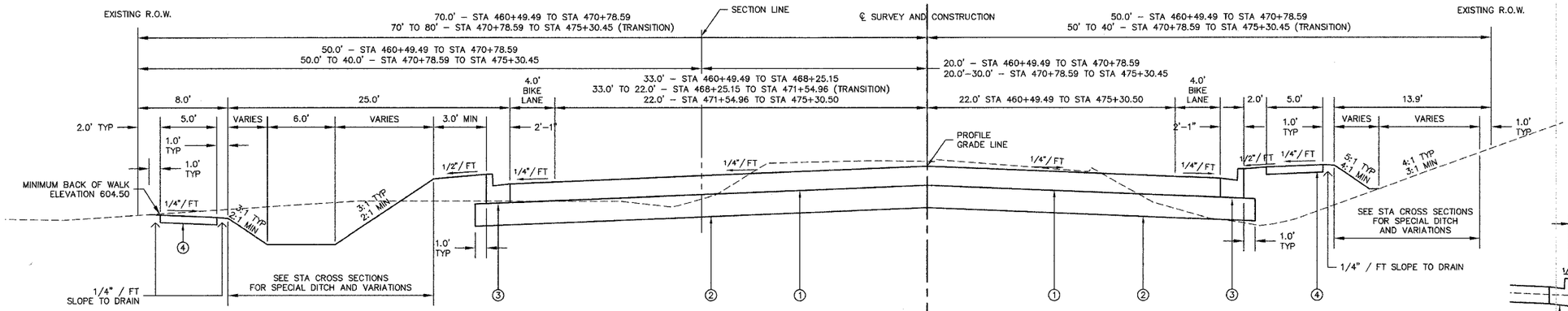
G:\Jobs\96100\CONPLANS_2007\C-QNTY.dwg, SUMM (2), 3/20/2008 1:38 PM, RPOTTS, 1:1

93464

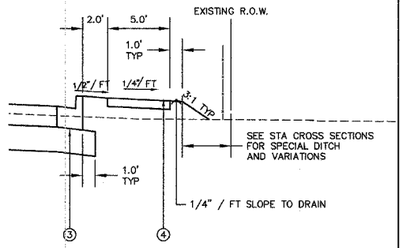
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	4
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



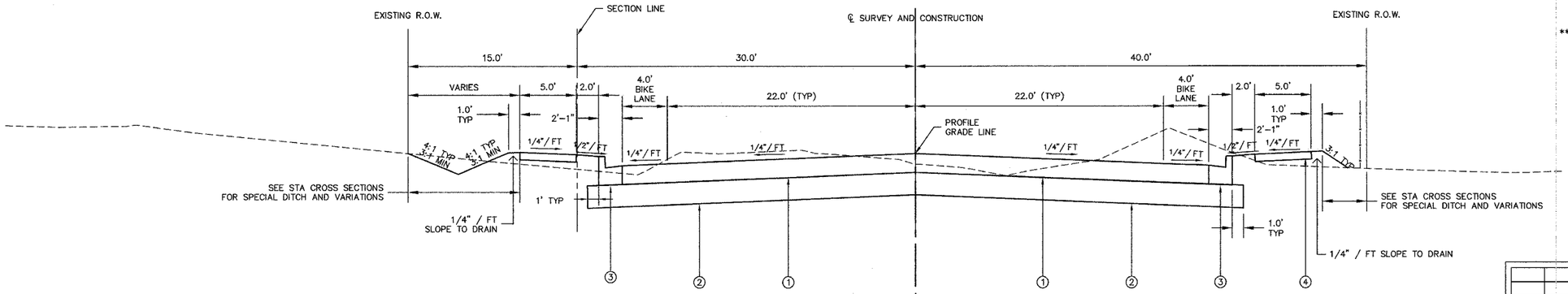
EXISTING TYPICAL SECTION – ILES AVENUE



ILES AVENUE – 5–LANE SECTION
STATION 460+49.49 TO 475+30.50 **



**STATION 474+25 TO 480+00 (RT.)



ILES AVENUE – 4–LANE SECTION
STATION 475+30.50 – 488+49.60 **

FULL DEPTH (SEC. 407) PAVEMENT CONSTRUCTION

HOT–MIX ASPHALT MIXTURE REQUIREMENTS				
ITEM	AGGREGATE COMPOSITION	ASPHALT GRADE	ALLOWABLE RAP	VOIDS
HOT–MIX ASPHALT BINDER COURSE, LOWER 8"	IL–19.0 OR 25.0	PG 64–22	TBD	4% @ N70
HOT–MIX ASPHALT SURFACE COURSE (2")	IL–9.5 OR 12.5 MIX "D"	PG 64–22	TBD	4% @ N70

BITUMINOUS STRUCTURAL DESIGN INFORMATION

DESIGN TRAFFIC (10,300): (2027)
P.V. = 9,476 S.U. = 721 M.U. = 103
T.F. = 1.32 (80K)
DESIGN STRAIN = 97.5
E = 540 (P.G. 64–22)
SSR : FAIR
TOTAL THICKNESS : 10" (FULL–DEPTH HMA)
CONSTRUCT : 2" HOT–MIX ASPHALT SURFACE
8" HOT–MIX ASPHALT BINDER COURSE

KEY LEGEND

① HOT–MIX ASPHALT PAVEMENT (FULL–DEPTH), 10"

② SUB–BASE GRANULAR MATERIAL, TYPE A 12"

③ COMBINATION CONCRETE CURB AND GUTTER, TYPE B–6.18

④ PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH

NO.	DATE	REVISION	BY

SHEET TITLE: TYPICAL SECTIONS
PROJECT: ILES AVENUE
PROJECT NO. 96100
SCALE: 1" = 5'
DATE: OCT., 2007
DRAWN BY: MEC
CHECKED BY: PBW
DRAWING FILE: C–TYPS
DRAWING NO. 4

MEC MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002843)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8922, E-Mail : mecmail@martinengineeringco.com

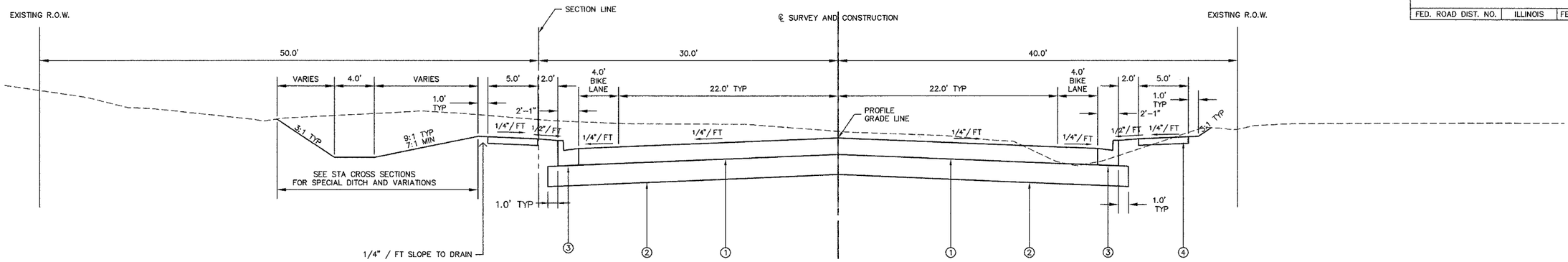
OF 66 SHTS

Attached Xref(s) found at :
X–TBLK [G:\Jobs\96100\CONPLANS_2007\X–TBLK.dwg]
X–TITLE [G:\Jobs\96100\CONPLANS_2007\X–TITLE.dwg]
C–SEC–R2 [G:\Jobs\96100\CONPLANS_2007\C–SEC–R2.dwg]

G:\jobs\96100\CONPLANS_2007\C–TYPS.dwg, TYPS (1), 3/21/2008 9:06 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	5
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



KEY LEGEND

① HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"

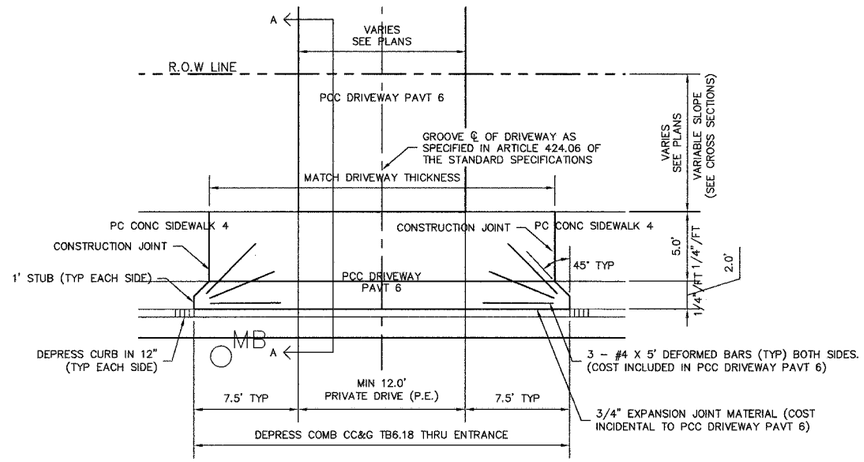
② SUB-BASE GRANULAR MATERIAL, TYPE A 12"

③ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

④ PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH

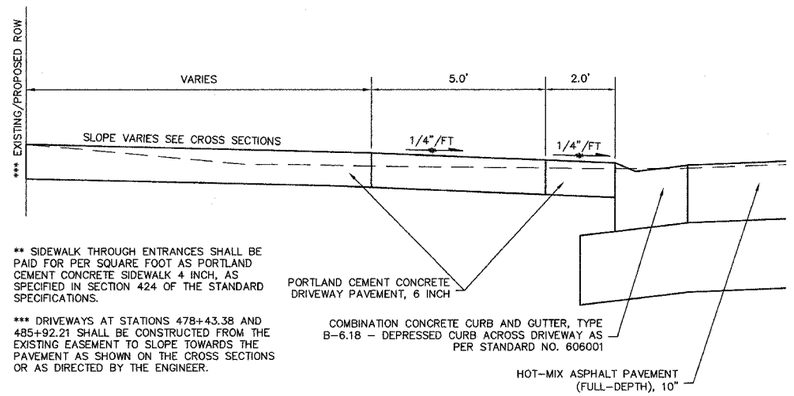
ILES AVENUE – 4-LANE SECTION

STATION 488+49.60 TO 491+90



ILES AVENUE – TYPICAL ENTRANCE DETAIL

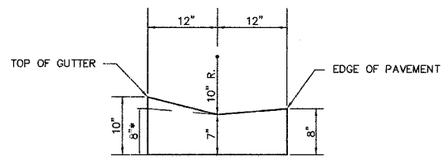
1. SIDEWALK THROUGH ENTRANCES SHALL BE PAID FOR PER SQUARE FOOT AS PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, IN ACCORDANCE WITH SECTION 424 OF THE STANDARD SPECIFICATIONS.
2. SLOPE OF SIDEWALK ACROSS DRIVEWAYS SHALL BE AS SHOWN IN THE CROSS SECTIONS (1/4"/FOOT MAXIMUM).
3. EXPANSION JOINT MATERIAL BETWEEN P.C.C. SIDEWALK AND P.C.C. DRIVEWAY PAVEMENT SHALL BE PLACED IN ACCORDANCE WITH ARTICLE 424.07 OF THE STANDARD SPECIFICATIONS. (COST INCLUDED IN P.C.C. SIDEWALK)
4. SEE DRIVEWAY SCHEDULE (SHEET 7) FOR LOCATIONS



** SIDEWALK THROUGH ENTRANCES SHALL BE PAID FOR PER SQUARE FOOT AS PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, AS SPECIFIED IN SECTION 424 OF THE STANDARD SPECIFICATIONS.

*** DRIVEWAYS AT STATIONS 478+43.38 AND 485+92.21 SHALL BE CONSTRUCTED FROM THE EXISTING EASEMENT TO SLOPE TOWARDS THE PAVEMENT AS SHOWN ON THE CROSS SECTIONS OR AS DIRECTED BY THE ENGINEER.

SECTION A–A



VALLEY TYPE GUTTER SECTION

SCALE : 1" = 1'

(* DEPRESSED CURB THROUGH HANDICAPPED RAMPS)

VALLEY TYPE GUTTER SHALL BE PAID FOR PER LINEAL FOOT AS CONCRETE GUTTER.

NO.	DATE	REVISION	BY

SHEET TITLE: TYPICAL SECTIONS AND DETAILS

PROJECT: ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 5'
DATE OCT. 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-TYPS
DRAWING NO. 5
OF 66 SHTS

MEC MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS AND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002843)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8000, Fax : (217) 698-8922, E-Mail : mecmail@martinengineeringco.com

Attached Xref(s) found at :
X - TITLE [G:\Jobs\96100\CONPLANS_2007\X-TITLE.dwg]
X - XSEC-R2 [G:\Jobs\96100\CONPLANS_2007\X-XSEC-R2.dwg]

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	6
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

1. CA-6 GRANULAR CRADLE CONSISTS OF BEDDING, HAUNCHING, AND INITIAL BACKFILL. IT SHALL BE PLACED IN ACCORDANCE WITH SECTION 20-2.20 AND 20-2.21 OF 'THE STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS, MAY 1996, FIFTH EDITION. IT WILL NOT BE MEASURED FOR PAYMENT, BUT WILL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID FOR STORM SEWER AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
2. CONTRACTOR TO WRAP ALL GRATES WITH FILTER FABRIC UNTIL PERMANENT EROSION CONTROL HAS BEEN ESTABLISHED. FABRIC SHALL BE EITHER RINSED CLEAN AND REINSTALLED OR REPLACED WHEN SEDIMENT ACCUMULATES. EROSION CONTROL SHALL BE MAINTAINED AFTER EVERY STORM EVENT UNTIL APPROVED BY THE ENGINEER.
3. FOR INLETS DEEPER THAN 4 FEET FROM THE TOP OF THE GRATE TO THE FLOW LINE USE OF ADJUSTING RINGS TO BRING THEM TO GRADE IS UNACCEPTABLE. MAXIMUM 6" OF ADJUSTING RINGS ALLOWED ON ANY STRUCTURE.
4. THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY FIELD INVESTIGATION AND SEARCH OF AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITIES SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION. (J.U.L.I.E.) (PH. # 1-800-892-0123)
5. THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING AND TRENCHING OPERATIONS AROUND TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE INCLUDED WITH THE COST OF STORM SEWER.
6. EXISTING CONCRETE SIGN BASES AND OTHER MISCELLANEOUS CONCRETE NOT SPECIFICALLY SHOWN ON THE PLANS, BUT INTERFERING WITH PROPOSED CONSTRUCTION, SHALL BE REMOVED. COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
7. WHERE SECTION STONES OR PROPERTY MARKERS ARE ENCOUNTERED, ALL MARKERS SHALL BE PROTECTED AND PRESERVED UNTIL AN OWNER OR PROFESSIONAL LAND SURVEYOR HAS WITNESSED AND REFERENCES THEIR LOCATION.
8. WHEREVER IN THESE PLANS REFERENCE IS MADE TO THE "STANDARD SPECIFICATIONS", IT IS UNDERSTOOD TO INCLUDE THE "SUPPLEMENTAL SPECIFICATIONS" INCLUDED IN THE PROPOSAL.
9. THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION. THE CONTRACTOR WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO THE LUMP SUM PAY ITEMS.
11. THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 (TEN) DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES AS REGARDS TO THEIR FACILITIES.
12. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR MUST CALL J.U.L.I.E. AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, GAS FACILITIES, AND ALL PUBLIC UTILITIES. A 48 HOUR NOTIFICATION IS REQUIRED.
13. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWER AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.
14. VERIFICATION OF DIMENSIONS : IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
15. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY OWNERS AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.
16. DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR DRAINAGE STRUCTURES SO THAT NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SO AFFECTED SHALL BE FREE FROM ALL DEBRIS. THIS WORK SHALL BE INCLUDED WITH THE COST OF EARTH EXCAVATION.
17. ALL FRAMES, GRATES, SIGNS, FENCES AND DELINEATORS, DRIVEWAY PAVEMENT, CURB AND GUTTER, NEW OR EXISTING, DAMAGED THROUGH CONTRACTOR'S NEGLIGENCE DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
18. THE COST OF ADDITIONAL LABOR AND MATERIALS NOT ACCOUNTED FOR ON THE PLANS, WHICH MIGHT BE INVOLVED IN CONNECTING EXISTING DRAIN TILE OR STORM SEWERS TO PROPOSED DRAINAGE STRUCTURES, SHALL BE INCLUDED WITH THE COST OF THE STORM SEWER.
19. THE ENDS OF EXISTING DRAINAGE LINES WHICH ARE NOT TO BE INCORPORATED INTO THE PROPOSED IMPROVEMENT ARE TO BE SEALED (PLUGGED) TO THE SATISFACTION OF THE ENGINEER. COST OF SUCH WORK SHALL BE INCLUDED WITH THE COST OF THE STORM SEWER.
20. TRAFFIC SIGNS REMOVED MUST BE RESET AT THEIR PERMANENT LOCATIONS IN A WORKMANLIKE MANNER AND VISIBLE TO TRAFFIC ON THE ROADWAY AS DIRECTED BY THE ENGINEER. THESE SIGNS SHALL BE RESET BEFORE THE ROADWAY IS OPEN TO TRAFFIC. COST OF SUCH WORK SHALL BE INCLUDED WITH THE COST OF EARTH EXCAVATION.
21. THE CONTRACTOR SHALL COMPLY WITH THE ENVIRONMENTAL PROTECTION AGENCY (E.P.A.) REGULATIONS WHICH APPLY TO THE STORM SEWER CONSTRUCTION REGARDING THE HORIZONTAL AND VERTICAL SEPARATION OF A STORM SEWER LINE FROM ANY EXISTING OR PROPOSED WATERMAIN (SEE SHEET 43). AT LOCATIONS WHERE THE SEPARATION IS INADEQUATE, CITY WATER LIGHT AND POWER (C.W.L.P.) SHALL ADJUST THE WATERMAIN TO PROVIDE THE REQUIRED SEPARATION OR CONSTRUCT THE STORM SEWER OF THE MATERIAL SPECIFIED IN THE E.P.A. REGULATIONS.
22. THE ELEVATIONS AND EXACT SIZE OF ALL EXISTING WATERMAINS AND SANITARY SEWERS SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION OF EACH RUN OF STORM SEWER TRUNK LINE OR LATERAL LINE WITHIN WHICH A CROSSING OF EITHER OR BOTH TYPES OF THESE EXISTING UTILITIES IS TO BE ENCOUNTERED. THE CONTRACTOR SHALL THEN DETERMINE WHICH OF THE ABOVE OPTIONS HE WILL USE TO RESOLVE THE CONFLICT BETWEEN THE PROPOSED STORM SEWER AND THE EXISTING UTILITY. THE APPROVAL OF THE RESIDENT ENGINEER AND THE SUPERINTENDENT OF THE UTILITY SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO STARTING CONSTRUCTION OF THIS SEGMENT OF STORM SEWER.
23. FOR INLETS AND MANHOLES CONSTRUCTED IN CONJUNCTION TO THE CURB/GUTTER, THE OFFSET DISTANCE SHOWN ON THE PLANS IS FROM THE CENTERLINE OF CONSTRUCTION TO THE CENTER OF THE STRUCTURE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONSTRUCT EACH INLET OR MANHOLE, AT THE PROPOSED LOCATION SO THAT THE FRAME MATCHES THE CURB LINE.
24. THE REMOVAL OF HOT-MIX ASPHALT SURFACING NOT ON RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION.
25. THE REMOVAL OF HOT-MIX ASPHALT SURFACING ON A RIGID TYPE BASE SHALL BE REMOVED WITH THE BASE AS PAVEMENT REMOVAL.
26. WHENEVER IT IS NECESSARY TO REMOVE BITUMINOUS AGGREGATE MIXTURE, OIL AND CHIP SURFACE, EXISTING GRAVEL OR CRUSHED STONE BASE COURSE, IT SHALL BE REMOVED AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.
27. FRAMES AND GRATES ON EXISTING STRUCTURES, PIPE CULVERTS AND WATER MAIN WHICH ARE TO BE REMOVED, ABANDONED, OR WHICH OTHERWISE ARE NOT INCORPORATED INTO THE IMPROVEMENT SHALL BECOME THE PROPERTY OF THE CITY OF SPRINGFIELD. THE CONTRACTOR SHALL STORE THE FRAMES AND GRATES WITHIN THE RIGHT OF WAY AT LOCATIONS DESIGNATED BY THE ENGINEER.
28. THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PROTECT PUBLIC AND PRIVATE PROPERTY. IF AT ANY TIME HE/SHE DAMAGES OR DESTROYS PUBLIC OR PRIVATE PROPERTY, THE CONTRACTOR SHALL AT HIS/HER OWN EXPENSE RESTORE SUCH PROPERTY TO A CONDITION EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE.
29. THE CONTRACTOR SHALL MAINTAIN ROADWAYS ADJOINING THE PROJECT SITE KEEPING THEM FREE FROM MUD AND DEBRIS AT ALL TIMES.
30. CONTRACTOR TO MAINTAIN TEMPORARY EROSION CONTROL UNTIL PERMANENT VEGETATION OR PAVEMENT HAS BEEN ESTABLISHED.
31. ALL DITCHES AND SWALES SHALL HAVE TEMPORARY DITCH CHECKS INSTALLED EVERY 200' MAXIMUM
32. ADDITIONAL DEPTH REQUIRED IN DRAINAGE STRUCTURES DUE TO CONFLICTS WITH OTHER UTILITY LINES WILL BE CONSIDERED INCLUDED IN THE UNIT PRICE BID FOR DRAINAGE STRUCTURES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
33. DEPRESS CURB ACROSS DRIVEWAYS.
34. DOMESTIC BUFFALO BOXES, FIRE HYDRANTS AND METER VAULTS IN THE AREA WHERE THE IMPROVEMENT IS TO TAKE PLACE ARE TO BE MOVED OR ADJUSTED, IF NECESSARY, BY CITY WATER LIGHT & POWER.
35. UTILITY POLES ARE TO BE MOVED, IF NECESSARY, BY THE UTILITY COMPANIES.
36. WHERE PROPOSED CONSTRUCTION ABUTS EXISTING APPURTENANCES, A SAW CUT SHALL BE MADE TO ACHIEVE A NEAT BUTT JOINT. SAW CUTS WILL NOT BE PAID FOR SEPARATELY, COST OF SAW CUTS SHALL BE INCLUDED IN THE TYPE OF WORK ENCOUNTERED.
37. ONLY THOSE TREES INDICATED IN THE PLANS TO BE REMOVED SHALL BE REMOVED. ALL TREES AND SHRUBS INDICATED ON PLANS FOR REMOVAL SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE.
38. ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM
39. THE FOLLOWING DENSITIES HAVE BEEN USED IN CALCULATING THE PLAN QUANTITIES:

A. BITUMINOUS PAVEMENT - 112 LBS. / SQ. YD. IN.

B. GRANULAR MATERIALS (SUBBASE, BASE AND SURFACE) - 2.05 TONS / CU. YD.

C. SOIL (DRY DENSITY) - 107 LBS. / CU. YD.

LEGEND

APPEARANCE	DESCRIPTION
CTV	CABLE TV PEDESTAL
E	ELECTRIC METER
E	ELECTRIC PEDESTAL
G	NATURAL GAS METER
G	NATURAL GAS VALVE
T	TELEPHONE PEDESTAL
X"	CONIFEROUS TREE (SIZE)
X"	DECIDUOUS TREE (SIZE)
X"	DECIDUOUS TREE (SIZE) TO BE REMOVED LESS THAN 6"
X"	DECIDUOUS TREE (SIZE) TO BE REMOVED 6" OR GREATER
X"	CONIFEROUS TREE (SIZE) TO BE REMOVED 6" OR GREATER
S"	CONIFEROUS TREE TO BE REMOVED LESS THAN 6"
B	BUSH
	STREET LIGHT EXISTING
	STORM SEWER, EXISTING
	STORM SEWER, PROPOSED
	SANITARY SEWER
	MANHOLE, EXISTING
	MANHOLE, PROPOSED
A	MANHOLE, ADJUSTED
	FLARED END SECTION, EXISTING
	FLARED END SECTION, PROPOSED
	STORM INLET, EXISTING
	STORM INLET, PROPOSED
>	CORRUGATED METAL PIPE END SECTION
	DRAINAGE ARROW
	GUY WIRE
MB	MAIL BOX
	MISCELLANEOUS PEDESTAL
	NON UTILITY POLE (FLAG, CLOTHES LINE, ETC)
	UTILITY POLE
	RIPRAP
	SIGN
TYPE	UTILITY MARKER/WARNING SIGN
W	WATER MAIN
	FIRE HYDRANT
	WATER METER / CURB STOP
W	WATER VALVE
OHC / OHE	OVERHEAD CABLE / ELECTRIC UTILITY LINE
G	GAS PIPE
FO	FIBER OPTIC
E	ELECTRIC CABLE
x x	FENCE
	UTILITY / DRAINAGE EASEMENT

APPEARANCE	DESCRIPTION
	BITUMINOUS TAPER
	BITUMINOUS REMOVAL
	REMOVAL ITEMS
	PATCHING ITEMS

SPECIFICATIONS

SPECIFICATIONS SHALL BE THOSE OF THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JAN. 1, 2007, AND THE SUPPLEMENTARY SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JANUARY 1, 2008.

STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, FIFTH ADDITION, ADOPTED MAY, 1996

EROSION CONTROL NOTES

1. SEE SHEET 32 FOR EROSION CONTROL AND SEEDING NOTES.

UTILITY COMPANIES

CITY WATER, LIGHT AND POWER - WATER DEPT.
401 NORTH 11TH STREET
SPRINGFIELD, ILLINOIS 62702
ATTN: STEVE STEWART (217) 789-2022

CITY WATER, LIGHT AND POWER - ELECTRIC DEPT.
1008 EAST MILLER
SPRINGFIELD, ILLINOIS 62702
ATTN: ROLEEN THOELE (217) 757-8520

AT&T (FORMERLY AMERITECH)
529 SOUTH SEVENTH, FLOOR 3B
SPRINGFIELD, ILLINOIS 62721
ATTN: RICH WEINGAND
(217) 789-8227

CILCO
825 NORTH MACARTHUR BLVD.
SPRINGFIELD, ILLINOIS 62702
ATTN: RICK COMBS (GAS) (217) 753-5187

INSIGHT COMMUNICATIONS
711 SOUTH DIRKSEN PARKWAY
SPRINGFIELD, ILLINOIS 62703
ATTN: TIM HINES (217) 788-5656

SPRINGFIELD METRO SANITARY DISTRICT
3017 NORTH EIGHTH STREET ROAD
SPRINGFIELD, ILLINOIS 62707
ATTN: GREGG HUMPHREY (217) 528-0491

OFFICE OF PUBLIC WORKS
ROOM 201, MUNICIPAL CENTER WEST
SPRINGFIELD, IL 62701
ATTN: MIKE WALLNER
(217) 789-2260

NO.	DATE	REVISION	BY

SHEET TITLE: GENERAL NOTES
PROJECT: ILES AVENUE
PROJECT NO.: 96100
SCALE: 1" = 5'
DATE: OCT., 2007
DRAWN BY: MEC
CHECKED BY: PBW
DRAWING FILE: C-QNTY
DRAWING NO.: 6
OF 66 SHTS

MEC MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002943)
3123 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-3522, E-Mail : mecmail@martinengineeringco.com

Attached [XrefO found at : X:\BLK [G:\Jobs\96100\CONPLANS_2007\X-TBLK.dwg]

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	7
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TREE REMOVAL SCHEDULE

STATION	SIDE	OFFSET	TREE REMOVAL (6 TO 15 UNITS DIAMETER)
490+40.7	RT	34.9	8
489+68.2	RT	35.5	6
489+60.8	RT	32.7	8
489+53.4	RT	35.7	10
487+46.4	RT	36.4	8
487+37.2	RT	32.7	6
487+28.9	RT	36.6	8
487+01.2	RT	31.2	8
486+65.2	RT	33.7	12
485+97.5	RT	29.6	8
485+40.1	RT	29.5	6
484+53.7	RT	28.0	8
484+36.5	RT	27.9	8
484+21.1	RT	27.1	8
483+64.4	RT	26.6	10
482+73.5	RT	25.8	8
482+53.3	RT	26.9	8
482+33.1	RT	26.9	8
481+64.9	RT	27.9	8
481+48.7	RT	27.0	8
481+27.4	RT	37.0	S
481+22	RT	30.0	S
480+90.2	RT	26.6	10
480+73.1	RT	27.0	10
480+51.3	RT	27.3	10
479+77	RT	27.7	8
479+57.2	RT	26.7	8
479+08.5	RT	34.7	8
478+96.3	RT	33.0	10
477+54.8	RT	33.2	10
476+95.2	RT	25.7	10
476+71.5	RT	26.0	12
476+31.6	RT	26.7	6
476+10.3	RT	26.9	6
475+68.6	RT	26.3	12
475+45	RT	27.8	12
474+80.5	RT	28.1	10
474+41	RT	26.9	8
473+78	RT	29.8	10
473+52.9	RT	29.3	10
473+43.1	RT	37.8	6
473+27.4	RT	40.8	8
		TOTAL	354

EARTHWORK SCHEDULE

STATION TO STATION	EXCAVATION	EXCAVATION ADJUSTED FOR SHRINKAGE*	EMBANKMENT	BALANCE WASTE OR SHORTAGE (-)
	CU YD			
ILES AVENUE	15505.28	11628.96	1839.98	9788.98
TOTAL	15505.28	11628.96	1839.98	9788.98
USE	15506	11629	1840	9789 *

* SHRINKAGE FACTOR = 25%

(*13,053 CU. YD. APPROXIMATE WASTE)

PROTECTIVE COAT

ITEM	PROTECTIVE COAT SQ YD
PCC DRIVEWAY PVT 6	261.0
PC CONC SIDEWALK 4	3,435.1
CONC GUTTER	1.8
COMB CC&G TB6.18	333.0
TOTAL	4,030.8
USE	4,031

LANDSCAPING SCHEDULE

STATION TO STATION		SEEDING, CLASS 2	NITROGEN FERT NUTR	PHOSPHORUS FERT NUTR	POTASSIUM FERT NUTR	AGR GROUND LIMESTONE	MULCH, METHOD 3
		ACRE	POUND				ACRE
ILES AVENUE							
460+49.49	491+90.00	2	180.0	180.0	180.0	4.0	2
TOTAL		2.0	180.0	180.0	180.0	4.0	2.0
USE		2.0	180	180	180	4	2

SIDEWALK REMOVAL & REPLACEMENT SCHEDULE

STATION TO STATION		SIDE	PC CONC SIDEWALK 4	SIDEWALK REM
			SQ FT	
460+63.15	474+06.24	LT	6,804.4	
460+63.15	464+71.65	RT	2,177.2	
465+61.54	478+02.37	RT	6,428.9	
474+45	474+58	LT		53.2
474+52.38	480+72.39	LT	3,325.0	
477+98	478+08	RT		38.2
478+45.5	478+54	RT		35.1
478+50.38	487+99.43	RT	4,792.3	
480+68	480+76	LT		59.6
481+08	481+16	LT		60.4
481+12.32	487+96.66	LT	3,641.0	
487+93	488+00	LT		27.9
487+95	488+03	RT		32.2
488+35	488+43	RT		34.5
488+38	488+47	LT		38.9
488+39.42	491+89.11	RT	1,809.1	
488+43.39	492+12.85	LT	1,937.5	
491+90	492+13	LT		89.0
		TOTAL	30,915.4	468.9
		USE	30,916	469

DRIVEWAY REMOVAL & REPLACEMENT SCHEDULE

STATION	SIDE	TYPE	DRIVEWAY PAVEMENT REMOVAL SQ YD	PCC DRIVEWAY PVT 6 SQ YD
475+45.45	LT	PE	64.5	29.6
478+43.38	LT	PE		24.4
478+83.15	LT	PE		6.0
479+49.16	LT	PE	46.7	27.0
483+92.36	LT	PE		27.1
484+42.69	LT	PE		35.0
485+92.21	LT	PE		31.0
486+82.85	LT	PE		32.4
490+49.48	LT	PE	72.0	48.2
		TOTAL	183.2	260.7
		USE	184	261

MAILBOX REMOVAL & RELOCATION

STATION	SIDE	OFFSET	MAILBOX REMOVAL AND RELOCATION
475+62	LT	22.8	1
478+58	LT	22.7	1
479+67	LT	22.8	1
483+75	LT	22.8	1
484+70	LT	22.5	1
485+76	LT	23.4	1
486+71	LT	24.7	1
		TOTAL	7

VALVE BOXES TO BE ADJUSTED

STATION	SIDE	OFFSET	VALVE BOXES TO BE ADJUSTED
459+37	LT	51.0	1
465+60	LT	46.0	1
474+56	LT	31.0	1
478+53	LT	28.0	1
480+75	LT	35.0	1
488+40	LT	30.0	1
492+10	LT	31.0	1
		TOTAL	7

SANITARY MANHOLES TO BE ADJUSTED

STATION	SIDE	OFFSET	SANITARY MANHOLES TO BE ADJUSTED
464+32	LT	29.6	1
466+51	LT	18.9	1
471+36	RT	19.0	1
474+93	RT	14.8	1
477+85	RT	14.8	1
479+93	RT	18.7	1
481+29	RT	16.2	1
484+92	RT	12.5	1
488+52	RT	36.7	1
488+91	RT	13.9	1
		TOTAL	10

SCHEDULE OF QUANTITIES
ILES AVENUE SECTION 96-00379-00-PV
SHEET 7 OF 66 SHEETS

Attached Xref() found at :
X-TBLK [G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg]

G:\jobs\96100\CONPLANS_2007\C-QNTY.dwg, MISC (1), 3/21/2008 9:07 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	8
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STORM SEWER REMOVAL

STATION TO STATION		SIDE	STORM SEWER REM 8	STORM SEWER REM 12	STORM SEWER REM 15	STORM SEWER REM 18	TRENCH BACKFILL
			FOOT				CU. YD.
464+06	466+26	RT		220.0			97.8
480+64	481+19	LT				55.0	14.3
484+27	484+57			31.0			8.6
485+17		LT/RT	55				10.2
487+89	488+51	RT		63.0			28.0
489+32		LT/RT			53.0		22.3
		TOTAL	55.0	314.0	53.0	55.0	181.2
		USE	55	314	53	55	182

PATCHING SCHEDUULE

STATIONS	SIDE	CLASS D PATCHES, TYPE II 7 INCH	CLASS D PATCHES, TYPE III 7 INCH	CLASS D PATCHES, TYPE IV 7 INCH
459+40.47 - 459+69.17	LT	7.0		
458+83.16 - 458+94.45	LT / RT		20.4	
459+32.99 -459+95.85	RT			33.0
TOTAL		7.0	20.4	33.0
USE		7	21	33

PAVEMENT SCHEDUULE

STATION TO STATION		SUB GRAN MAT A 12	HMA SURF REM BUTT JT	PAVEMENT REM	TEMPORARY RAMP	HMA PAVT FD 10	INCIDENTAL HMA SURF
		SQ YD	SQ YD				TON
ILES AVENUE							
460+29.49	460+49.49		29.2				6.5
460+49.49	491+90.00	22,546.9				20,456.3	
465+16 RT				676.5	27.0		
474+30 LT				221.1	16.9		
478+26 RT				239.7	18.6		
480+92 LT				137.3	14.9		
488+19 LT				166.9	18.8		
488+20 RT				199.6	15.0		
491+90.00	492+00.00		57.8	499.2	28.9		2.4
	TOTAL	22,546.9	87.0	2140.3	140.1	20,456.3	8.9
	USE	22,547	87	2,141	141	20,456	9

STORM SEWER REMOVAL

STATION	SIDE	REMOVING MANHOLES	REMOVING INLETS
		EACH	
485+17	LT		1
485+17	RT		1
489+32	LT	1	
	TOTALS	1	2

CULVERT REMOVAL

STATION TO STATION		SIDE	SIZE	TYPE	FOOT	TRENCH BACKFILL
						CU. YD.
458+86.42		LT/RT	30"	RCCP	52.0	22.4
459+03.36	460+23.14	RT	24"	RCCP	120.0	63.1
463+31.16		RT	24"	RCCP	12.4	2.7
473+40.38		LT	12"	RCCP	14.0	0.0
473+81	474+82	LT	24"	CMP	104.0	38.5
475+29	475+58	LT	10"	STEEL	33.0	4.6
478+35	478+54	LT	8"	CMP	20.0	1.7
479+39	479+59	LT	10"	CMP	20.0	1.9
482+85	483+05	LT	12"	CMP	19.0	2.6
483+74	484+05	LT	12"	CMP	31.0	4.3
485+80	486+05	LT	12"	CMP	24.0	4.4
486+31		LT/RT	12"	CMP	35.0	6.5
486+33		LT/RT	12"	CMP	35.0	6.5
486+42	486+78	RT	24"	CMP	37.0	11.0
490+37	490+62	LT	12"	CMP	25.0	3.5
				TOTAL	581.4	173.5
				USE	582	174

TRENCH BACKFILL

TRENCH BACKFILL	CU. YDS
STORM SEWER	1,647
PIPE CULVERT REMOVAL	174
STORM SEWER REMOVAL	182
TOTAL	2003

CURB REMOVAL AND REPLACEMENT

STATION TO STATION		SIDE	GUTTER REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	CONCRETE GUTTER	COMB CC&G TB6.18
			FOOT			
459+38	459+42.15	LT		3.9		3.9
460+44.49	474+15.57	LT				1385.3
460+49.49	464+78.30	RT				458.7
464+20	464+78	RT		94.9		
465+55	466+14	RT		93.7		
465+54.58	478+10.17	RT				1301.5
474+42.96	480+78.82	LT				667.0
477+83	478+10	RT	71.9			
478+44	478+72	RT	73.3			
478+44.33	487+95.77	RT				966.2
487+95.77	488+05.92	RT			22.8	
480+65	480+78	LT	34.1			
481+06	481+17	LT	33.9			
481+05.68	488+02.45	LT				730.1
487+77	488+02	LT	55.7			
488+36	488+54	LT	29.5			
487+80	488+06	RT	78.0			
488+33	488+61	RT	56.4			
488+32.89	488+35.92	RT			8.5	
488+43.04	491+95	RT				351.8
488+36.32	491+90	LT				376.6
491+89	491+95	RT		6.6		
491+90	491+95	LT		5.1		
		TOTAL	432.6	204.1	31.3	6241.2
		USE	433	205	32	6242

SCHEDULE OF QUANTITIES
ILES AVENUE SECTION 96-00379-00-PV
SHEET 8 OF 66 SHEETS

Attached Xref(s) found at : X-TBLK [G:\Jobs\96100\CONPLANS_2007\X-TBLK.dwg]

G:\Jobs\96100\CONPLANS_2007\C-QNTY.dwg, MISC (2), 3/21/2008 9:07 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	9
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STRUCTURE TYPE	BOX CULVERT STRUCTURES				FLARED END SECTIONS				MANHOLES										INLETS							
STRUCTURE NUMBER (SEE STORM SEWER SCHEDULE FOR INFORMATION)	PCBC REDC 3X2 TO 4X2	PCBC REDC 4X2 TO 5X3	DIRECT CONNECTION	DIRECT CONNECTION SPL	PRC FLAR END SEC 12	PRC FLAR END SEC 15	PRC FLAR END SEC 18	PRC FLAR END SEC 30	MAN TA 4 DIA T1F CL	MAN TA 4 DIA T3F&G	MAN SPL T1F CL	MAN SPL T3F&G	MAN TA 7 DIA T1F CL	MAN TA 5 DIA T1F CL	MAN TA 5 DIA T3F&G	MAN TA 5 DIA T8G	MAN TA 6 DIA T1F CL	MAN SPL T8G	INLETS TA T1F CL	INLETS TA T3F&G	INLETS TA T8G	INLETS TA T15F&L	INLETS TB T3F&G			INLETS TB T8G
	214	216	206	264	123	116	109	260		108	207	219	23	107	261	157	159	221	254A	101	121	112	111			113
			227B		126	133		159B	103	132	208			140	262					110	127	117				
			232		138	158A			104	225	209			204							222	119				
			235		23B				105		210			205						120	224					
			237		159A				106		211			272						122	226					
			241						114		212									124	227					
			244						115		213									125	238					
			247						158		215									128	248					
			249						266		217									129	250					
			253								218									130	254					
			257								220									131	258					
			259																	134						
			262A																	135						
			263																	136						
			267																	137						
																				201						
																				202						
																				203						
																				223						
																				227A						
																				228						
																				229						
																				230						
																				231						
																				233						
																				234						
																				236						
																				239						
																				240						
																				242						
																				243						
																				245						
																				246						
																				251						
																				252						
																				255						
																				256						
																				262						
																				265						
																				268						
																				269						
																				270						
																				271						
TOTALS	1	1	15	1	5	3	1	2	8	3	11	1	1	5	2	1	1	1	1	42	11	3	1			1

STORM STRUCTURES
ILES AVENUE SECTION 96-00379-00-PV
SHEET 9 OF 66 SHEETS

Attached Xref(s) found at :
X-TBLK: [G:\Jobs\96100\CONPLANS_2007\X-TBLK.dwg]

G:\jobs\96100\CONPLANS_2007\C-QNTY.dwg, STRC-QNTY, 3/21/2008 9:07 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	10
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LINE NUMBER	PRECAST CONCRETE BOX			STORM SEWERS										BACKFILL	
	PCBC 3X2	PCBC 4X2	PCBC 5X3	STORM SEW WM REQ 12	STORM SEW WM REQ 15	STORM SEW WM REQ 18		STORM SEW WM REQ 30	STORM SEW WM REQ 8		SS 1 RCEP S30 R19				TRENCH BACKFILL
101				35											6.79
103						217									55.6
104						174									66.6
105						168									55.8
106						123									34.6
107						73									7.67
108						8									0.21
110				10											1.32
111				2											0.26
112				14											1.32
113				128											8.45
114					21										
115					9										
117				13											0.26
119				16											0.26
120				2											0.26
121				7											0.77
122				8											0.54
124				2											0.26
125				8											0.26
127				8											0.83
128				24											4.66
129				33											8.48
130				24											3.17
131				63											8.32
132					6										0.24
134				22											2.9
135				22											2.9
136				63											8.32
137				6											0.26
140								226							
157								216							23.2
23B				6											
23								93							3.6
159A				17											
158						129									8.9
159								11							
158A					5										
SUBTOTAL	0	0	0	533	41	892		546	0		0				317

LINE NUMBER	PRECAST CONCRETE BOX			STORM SEWERS										BACKFILL	
	PCBC 3X2	PCBC 4X2	PCBC 5X3	STORM SEW WM REQ 12	STORM SEW WM REQ 15	STORM SEW WM REQ 18		STORM SEW WM REQ 30	STORM SEW WM REQ 8		SS 1 RCEP S30 R19				TRENCH BACKFILL
201				18											1.72
202				61											7.26
203				31											9.25
204											95				32.8
205											59				18.3
206-213	435														344
214-215		133													163
216-220			388												605
222				10											2.15
223				72											9.5
224					11										2.54
225						55									5.78
226				2											0.35
227				11											1.94
227A				2											0.26
228				52											6.86
229				2											0.43
230				53											7.52
231				2											0.26
233				53											7.52
234				2											0.26
236				2											0.26
238				12											1.94
239				52											6.86
240				2											0.26
242				52											6.86
243				2											0.26
245				52											6.86
SUBTOTAL	435	133	388	545	11	55		0	0		154				1250

LINE NUMBER	PRECAST CONCRETE BOX			STORM SEWERS										BACKFILL	
	PCBC 3X2	PCBC 4X2	PCBC 5X3	STORM SEW WM REQ 12	STORM SEW WM REQ 15	STORM SEW WM REQ 18		STORM SEW WM REQ 30	STORM SEW WM REQ 8		SS 1 RCEP S30 R19				TRENCH BACKFILL
246				2											0.26
248				4											0.69
250				12											2.69
251				52											6.86
252				2											0.26
254A									17						
254				12											3.07
255				52											9
256				2											0.3
258				3											0.96
260								10							5.14
261								54							10.4
262				2											0.77
265				55											15.4
266				69											
268				20											3.07
269				83											11
270				52											7.9
271				18											2.74
SUBTOTAL	0	0	0	438	0	0		64	17		0				80.1
TOTALS	435	133	388	1516	52	947		610	17		154				1647

STORM SEWER PIPE
ILES AVENUE SECTION 96-00379-00-PV
SHEET 10 OF 66 SHEETS

Attached Xref(s) found at :
X-TBLK [G:\jobs\96100\CONPLANS_2007\C-TBLK.dwg]

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	11
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STATION TO STATION		SIDE	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS		THERMOPLASTIC PAVEMENT MARKING - LINE 5"			THERMOPLASTIC PAVEMENT MARKING - LINE 6"		THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
			WHITE LEFT TURN ARROW	WHITE BIKE LANE SYMBOL	WHITE	YELLOW	WHITE SKIP-DASH	WHITE CROSS WALK	WHITE	YELLOW DIAGONALS	WHITE STOP BAR
					SOLID	SOLID	SQ YD	SOLID	SOLID	SOLID	SOLID
			SQ FT		FOOT			FOOT		FOOT	FOOT
460+49.49	464+97.11	LT/RT				1655.5					
461+20.28	464+97.11	LT/RT								112.29	
462+73.60	464+38.31	RT			164.7						
462+76.12	464+86.11	RT					60.0				
464+30.31		RT		17.0							
COBBLE DRIVE		RT						215.5			29.7
465+57.77	473+85.26	LT/RT				2435.4					
465+57.77	473+68.15	RT					210.0				
465+57.77	467+03.70	LT							145.9		
465+68.74		LT	15.6								
465+94.58	477+80.18	RT			1185.2						
466+02.58		RT		17.0							
466+82.86		LT	15.6								
467+15.60	471+10.25	LT/RT								101.7	
471+54.92	473+85.26	LT			231.1						
471+57.33	473+66.95	LT					60.0				
472+00.00		RT		17.0							
473+77.23		LT		17.0							
DUBSDREAD DRIVE		LT						92.9			17.7
474+73.36	477+80.18	LT/RT				499.5					
474+73.36	480+48.25	LT		17.0	574.6						
474+79.84	477+69.82	LT		17.0			80.0				
474+79.84	477+69.82	RT		17.0			80.0				
474+81.39		LT		17.0							
477+72.18		RT		17.0							
WOODFIELD ROAD		RT						106.4			21.1
478+73.67	480+48.25	LT/RT				349.2					
478+73.67	487+72.50	RT			898.8						
478+79.99	480+49.99	LT					50.0				
478+79.99	480+49.99	RT					50.0				
478+81.67		RT		17.0							
480+40.25		LT		17.0							
WEST ROAD DRIVE		LT						91.9			16.4
481+35.78	487+72.50	LT/RT				1273.5					
481+35.78	487+72.50	LT			636.7						
481+43.78		LT		17.0							
481+59.99	487+70.00	LT		17.0			160.0				
481+59.99	487+70.00	RT		17.0			160.0				
487+64.50		RT		17.0							
487+64.50		LT		17.0							
CHECKERBERRY		LT						105.8			20.2
CHECKERBERRY		RT						80.6			14.8
488+66.32	493+70	LT/RT				1007.4					
488+66.32	492+00	LT			333.7						
488+66.32	492+00	RT			333.7						
488+74.32		LT		17.0							
488+74.32		RT		17.0							
488+79.83	491+70	LT					80.0				
488+79.83	491+70	RT					80.0				
		TOTAL	31.2	306.0	4358.5	7220.3	1070.0	693.1	145.9	214.0	120.0
		USE	338		12,649			839		214	120

STATION TO STATION		SIDE	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	PAINT PAVEMENT MARKING - LINE 5"	PAINT PAVEMENT MARKING - LINE 12"
			WHITE BIKE LANE SYMBOL	WHITE	WHITE DIAGONALS
				SOLID	SOLID
			SQ FT	FOOT	FOOT
460+49.49	471+54.75	LT		1,105.71	1,170.03
460+49.49	462+73.60	RT		224.38	115.01
462+81.60		RT	17.00		
		TOTAL	17.00	1,330.09	1,285.04
		USE	17	1,331	1,286

SIGN PANEL - TYPE 1

STATION	SIDE	SIGN DESIGNATION	NUMBER	SQ. FT. EACH	TOTAL SQ. FT.
473+50	LT	W4-2R	1	3	3.0
473+85.3	LT	R3-17, R3-17b	1	7.5	7.5
476+50	LT	W9-1R	1	9	9.0
TOTAL					19.5
USE					20

METAL POST - TYPE A

STATION	SIDE	EACH
473+50	LT	1
473+85.3	LT	1
476+50	LT	1
TOTAL		3

PAVEMENT MARKING
ILES AVENUE SECTION 96-00379-00-PV
SHEET 11 OF 66 SHEETS

Attached Xref(s) found at :
X-TREK (G:\jobs\96100\CONPLANS_2007\X-TREK.dwg)

G:\jobs\96100\CONPLANS_2007\C-QNTY.dwg, MRKG, 3/21/2008 9:07 AM, RPOTTS, 1:1

Attached Xref(s) found at :
X-TBLK [D:\jobs\98100\CONPLANS_2007\X-TBLK.dwg]

Q:\jobs\98100\CONPLANS_2007\X-DNTY.dwg, STRM-SCHD (1), 3/27/2008 3:48 PM, RPOTTS, 1:1

DES.	STATION/OFFSET STRUCTURE TYPE	RIM	INVERT ELEVATION				STORM SEWER (RCCP)				
			NORTH	SOUTH	EAST	WEST	LINE NO.	CLASS /TYPE	SIZE (INCH)	LENGTH (LF)	SLOPE
101	STA 473+71 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 607.52				12 " 604.68					
110	STA 473+33.64 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 607.45			12 " 604.53	12 " 604.53	101	A 1	12	35	0.44%
111	STA 473+21 27.00' RT INLET, TYPE B, TYPE 3 FRAME AND GRATE	TC 607.47		12" 604.48	12" 604.48		110	A 1	12	10	0.50%
103	STA 473+21 32.00' RT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	607.57	12" 604.47			18 " 604.44	111	A 1	12	2	0.50%
104	STA 471+00 32.00' RT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	608.38			18 " 604.11	18 " 604.11	103	A 1	18	217	0.15%
105	STA 469+22 32.00' RT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	608.27	12 " 604.70	12 " 604.70	18 " 603.85	18 " 603.85	104	A 1	18	174	0.15%
106	STA 467+50 32.00' RT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	607.58	12 " 603.99		18 " 603.60	18 " 603.60	105	A 1	18	168	0.15%
107	STA 466+23 32.00' RT MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	607.08	18 " 603.42	12 " 603.42	18 " 603.42	12 " 603.42	106	A 1	18	123	0.15%
108	STA 465+91 38.00' LT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	TC 606.61	18 " 603.23	18 " 603.23			107	A 1	18	73	0.26%
109	STA 465+84.30 52.65' LT PRECAST REINFORCED CONCRETE FLARED END SECTION 18"	FL 603.20	18 " 603.20				108	A 1	18	8	0.35%
112	STA 474+73 28.73' LT INLET, TYPE A, TYPE 15 FRAME AND LID	TC 608.15	12 " 606.09								
113	STA 474+73.36 45.21' LT INLET, TYPE B, TYPE 8 GRATE	609.56		12 " 606.04		12 " 606.04	112	A 1	12	14	0.35%
114	STA 473+41.09 43.22' LT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	608.78	EX 12" 607.06	12 " 605.59	12 " 605.59	15 " 605.59	113	A 1	12	128	0.35%
115	STA 473+16.84 47.90' LT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	608.47		12 605.53	15 " 605.53	15 " 605.53	114	A 1	15	21	0.30%
116	STA 473+00 51.22' LT PRECAST REINFORCED CONCRETE FLARED END SECTION 15"	FL 605.50			15 " 605.50		115	A 1	15	9	0.30%
117	STA 473+33.63 28.73' LT INLET, TYPE A, TYPE 15 FRAME AND LID	TC 607.45	12 " 605.63								
114 R	STA 473+41.09 43.22' LT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	608.78	EX 12" 607.06	12 " 605.59	12 " 605.59	15 " 605.59	117	A 1	12	13	0.32%
118	STA. 473+44 92.6' LT EXISTING 12" RCCP FLARED END SECTION	FL 607.22		EX 12" 607.22			CONNECT EXISTING 12" PIPE TO PROPOSED MANHOLE @ STATION 473+41.09 (SEE SPECIFICATIONS)				
114 R	STA 473+41.09 43.22' LT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	608.78	EX 12" 607.06	12 " 605.59	12 " 605.59	15 " 605.59					
119	STA 473+15 28.73' LT INLET, TYPE A, TYPE 15 FRAME AND LID	TC 607.48	12 " 605.59								
115 R	STA 473+16.84 47.90' LT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	608.47		12 " 605.53	15 " 605.53	15 " 605.53	119	A 1	12	16	0.35%
120	STA 469+22 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 608.17		12 " 604.72							
105 R	STA 469+22 32.00' RT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	608.27	12 " 604.70	12 " 604.70	18 " 603.85	18 " 603.85	120	A 1	12	2	0.44%
121	STA 469+22 42.04' RT INLET, TYPE A, TYPE 8 GRATE	606.71	12 " 604.74								
105 R	STA 469+22 32.00' RT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	608.27	12 " 604.70	12 " 604.70	18 " 603.85	18 " 603.85	121	A 1	12	7	0.44%
122	STA 468+00 38.00' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 607.45	12 " 604.40								
123	STA 468+00 53.28' LT PRECAST REINFORCED CONCRETE FLARED END SECTION 12"	FL 604.34	12 " 604.34				122	A 1	12	8	0.44%
124	STA 467+50 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 607.48		12 " 604.00							
106 R	STA 467+50 32.00' RT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	607.58	12 " 603.99		18 " 603.60	18 " 603.60	124	A 1	12	2	0.44%
125	STA 467+00 38.00' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 607.05	12 " 603.50								
126	STA 467+00 52.70' LT PRECAST REINFORCED CONCRETE FLARED END SECTION 12"	FL 603.43	12 " 603.43				125	A 1	12	8	0.44%
127	STA 466+28 42.81' RT INLET, TYPE A, TYPE 8 GRATE	606.11	12 " 603.46								
107 R	STA 466+23 32.00' RT MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	607.08	18 " 603.42	12 " 603.42	18 " 603.42	12 " 603.42	127	A 1	12	8	0.44%
128	STA 465+65 41.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 606.28			12 " 603.68						
129	STA 465+87 28.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 606.71			12 " 603.57	12 " 603.57	128	A 1	12	24	0.44%
107 R	STA 466+23 32.00' RT MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	607.08	18 " 603.42	12 " 603.42	18 " 603.42	12 " 603.42	129	A 1	12	33	0.44%
130	STA 464+68 41.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 606.16				12 " 603.27					
131	STA 464+46 28.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 606.31	12 " 603.17		12 " 603.17		130	A 1	12	24	0.44%
132	STA 464+50 38.00' LT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	TC 606.17	15 " 602.89	12 " 602.89	12 " 602.89	12 " 602.89	131	A 1	12	63	0.44%
133	STA 464+50 52.43' LT PRECAST REINFORCED CONCRETE FLARED END SECTION 15"	FL 602.84	15 " 602.84				132	A 1	15	6	0.32%
134	STA 464+75 38.00' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 606.22				12 " 602.99					
132 R	STA 464+50 38.00' LT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	TC 606.17	15 " 602.89	12 " 602.89	12 " 602.89	12 " 602.89	134	A 1	12	22	0.44%
135	STA 464+25 38.00' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 606.22			12 " 602.99						
132 R	STA 464+50 38.00' LT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	TC 606.17	15 " 602.89	12 " 602.89	12 " 602.89	12 " 602.89	135	A 1	12	22	0.44%
136	STA 461+00 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 606.08	12 " 602.18								
137	STA 461+00 38.00' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 605.85	12 " 601.90	12 " 601.90			136	A 1	12	63	0.44%
138	STA 461+00 51.43' LT PRECAST REINFORCED CONCRETE FLARED END SECTION 12"	FL 601.84	12 " 601.84				137	A 1	12	6	0.44%
139	STA 463+31.37 65.03' RT EXISTING 24" RCCP FLARED END SECTION	FL 601.88	EX 24" 601.88				CONNECT EXISTING 24" PIPE TO PROPOSED MANHOLE @ STATION 463+31.16 (SEE SPECIFICATIONS)				
140	STA 463+31.18 40.00' RT MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	606.00		EX 24" 601.52		30" 601.45	140	A 1	30	226	0.12%
157	STA 461+00 40.00' RT MANHOLE, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	605.30			30" 601.18	30" 601.18	157	A 1	30	216	0.13%
23	STA 458+78.11 42.00' RT MANHOLE, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	605.97	30" 600.90	EX 21" 601.60	30" 600.90	12" 602.95					
23 R	STA 458+78.11 42.00' RT MANHOLE, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	605.97	30" 600.90	EX 21" 601.60	30" 600.90	12" 602.95					
23B	STA 458+65 34.00' RT PRECAST REINFORCED CONCRETE FLARED END SECTION 12"	FL 603.00			12" 603.00		23B	A 1	12	6	0.83%
23 R	STA 458+78.11 42.00' RT MANHOLE, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	605.97	30" 600.90	EX 21" 601.60	30" 600.90	12" 0.00					
23A	STA 458+61.28 80.00' LT EXISTING 21" RCCP FLARED END SECTION	FL 601.71	EX 21" 601.71				CONNECT EXISTING 21" PIPE TO PROPOSED MANHOLE @ STATION 458+78.11 (SEE SPECIFICATIONS)				
159	STA 459+03.31.54.00' LT MANHOLE, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	606.00	30" 600.62	30" 600.62	18" 601.09	12" 601.40					
23 R	STA 458+78.11 42.00' RT MANHOLE, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	605.97	30" 600.90	EX 21" 601.60	30" 600.90	12" 602.95	23	A 1	30	93	0.30%

SEE STORM SEWER NOTES SHEET 14

STORM SEWER SCHEDULE
SHEET 12 OF 66 SHEETS

FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT

FAAU ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	98-00379-00-PV	SANG	66	12

93464

Attached Xref(s) found at :
X-TRUK [G:\jobs\96100\CONPLANS_2007\X-TRUK.dwg]

DES.	STATION/OFFSET STRUCTURE TYPE	RIM	INVERT ELEVATION NORTH	 SOUTH	 EAST	 WEST	STORM SEWER (RCCP) LINE NO.	CLASS /TYPE	SIZE (INCH)	LENGTH (LF)	SLOPE
159 R	STA 459+03.31 54.00' LT MANHOLE, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	606.00	30" 600.62	30" 600.62	18" 601.09	12" 601.40	159A	A 1	12	17	1.60%
159A	STA 458+78.01 53.54' LT PRECAST REINFORCED CONCRETE FLARED END SECTION 12"	FL 601.79			12" 601.79						
158	STA 460+37.01 54.01' LT WEIR SEE DETAIL MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	604.31			15" 601.50	18" 601.50	158	A 1	18	129	0.32%
159 R	STA 459+03 31.54.00' LT MANHOLE, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	606.00	30" 600.62	30" 600.62	18" 601.09	12" 601.40	159	A 1	30	11	0.30%
159B	STA 459+08 52.67.36' LT PRECAST REINFORCED CONCRETE FLARED END SECTION 30"	FL 600.40		30" 600.57							
158 R	STA 460+37.01 54.01' LT WEIR SEE DETAIL MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	604.31			15" 601.50	18" 601.50	158A	A 1	15	5	1.00%
158A	STA 460+49.49 54.00' LT PRECAST REINFORCED CONCRETE FLARED END SECTION 15"	FL 601.61			15" 601.61						
201	STA 477+88 28.21' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 608.01			12 " 604.70		201	A 1	12	18	0.44%
202	STA 478+04.84 40.75' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 607.99			12 " 604.62	12 " 604.62	202	A 1	12	61	0.44%
203	STA 478+67 27.80' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 607.86			12 " 604.35	12 " 604.35	203	A 1	12	31	0.44%
204	STA 479+00 32.00' RT MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	607.73	18 " 603.95	12 " 603.95	RCEP S30 R19 603.93	12 " 604.21	204	A 1	RCEP S30	95	0.22%
205	STA 480+00 32.50' RT MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	607.32	12 " 604.16		RCEP S30 R19 603.71	RCEP S30 R19 603.72	205	A 1	RCEP S30	59	0.22%
206	STA 480+61.56 31.08' RT DIRECT CONNECTION (SEE SPECIFICATIONS)	N/A			3X2 603.57	RCEP S30 R19 603.58	206	FOR PRECAST CONCRETE BOX CULVERTS PARRALLEL TO THE ROADWAY, EACH SIZE CULVERT SHALL BE ALIGNED ALONG THE INSIDE NORTH WALL (TYPICAL OFFSET 29.58' RT)	PCBC 3X2	435	0.10%
207	STA 480+64.56 30.58' RT MANHOLE, SPECIAL, TYPE 1 FRAME, CLOSED LID	607.20	12 " 603.74		3X2 603.57	3X2 603.57	207				
208	STA 481+20 30.58' RT MANHOLE, SPECIAL, TYPE 1 FRAME, CLOSED LID	607.04	12 " 603.74		3X2 603.52	3X2 603.52	208				
209	STA 481+75 30.58' RT MANHOLE, SPECIAL, TYPE 1 FRAME, CLOSED LID	606.88	12 " 603.72		3X2 603.46	3X2 603.47	209				
210	STA 482+00 30.58' RT MANHOLE, SPECIAL, TYPE 1 FRAME, CLOSED LID	606.82	12 603.61		3X2 603.44	3X2 603.44	210				
211	STA 482+25 30.58' RT MANHOLE, SPECIAL, TYPE 1 FRAME, CLOSED LID	606.88	12 " 603.62		3X2 603.41	3X2 603.42	211				
212	STA 483+00 30.58' RT MANHOLE, SPECIAL, TYPE 1 FRAME, CLOSED LID	607.11	12 " 603.52	12 " 603.52	3X2 603.34	3X2 603.34	212				
213	STA 484+17 30.58' RT MANHOLE, SPECIAL, TYPE 1 FRAME, CLOSED LID	607.59	12 " 603.42		3X2 603.22	3X2 603.22	213				
214	STA 484+97 31.08' RT (3X2 CENTERLINE) PRECAST CONC BOX CULV ECCENTRIC REDUCER 3' X 2' TO 4' X 2'	N/A			3X2 603.14	4X2 603.14	214		PCBC 4X2	133	0.10%
215	STA 485+00 30.58' RT MANHOLE, SPECIAL, TYPE 1 FRAME, CLOSED LID	607.92	12 603.34	12 " 603.32	4X2 603.14	4X2 603.14	215				
216	STA 486+28.71 31.58' RT (4X2 CENTERLINE) PRECAST CONC BOX CULV ECCENTRIC REDUCER 4' X 2' TO 5' X 3'	N/A			4X2 603.01	5X3 603.01	216		PCBC 5X3	388	0.10%
217	STA 486+31.00 30.58' RT MANHOLE, SPECIAL, TYPE 1 FRAME, CLOSED LID	607.44	30 " 603.02		5X3 603.00	5X3 603.01	217				
218	STA 487+85.46 30.58' RT MANHOLE, SPECIAL, TYPE 1 FRAME, CLOSED LID	608.47			5X3 602.85	5X3 602.85	218				
219	STA 488+45.28 30.58' RT MANHOLE, SPECIAL, TYPE 3 FRAME AND GRATE	TC 609..28			5X3 602.79	5X3 602.79	219				
220	STA 489+32.68 30.50' RT MANHOLE, SPECIAL, TYPE 1 FRAME, CLOSED LID	609.28	3X5 602.70			3X5 602.70	220				
221	STA 489+32.68 51.16' LT MANHOLE, SPECIAL, TYPE 8 GRATE	608.20		3X5 602.61	EX 36" 602.54	12 " 602.68					
222	STA 478+25 39.27' LT INLET, TYPE A, TYPE 8 GRATE	607.37		12 " 605.20			222	A 1	12	10	0.44%
223	STA 478+25 27.00' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 608.13	12 " 605.16		12 " 604.75		223	A 1	12	72	0.44%
225	STA 479+00 27.00' LT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	TC 607.83	15 " 604.22	18 " 604.20		12 " 604.43					
224	STA 479+00 40.64' LT INLET, TYPE A, TYPE 8 GRATE	606.60		15 " 604.33			224	A 1	15	11	1.00%
225 R	STA 479+00 27.00' LT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	TC 607.83	15 " 604.22	18 " 604.20		12 " 604.43	225	A 1	18	55	0.45%
204 R	STA 479+00 32.00' RT MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	607.73	18 " 603.95	12 " 603.95	RCEP S30 R19 603.93	12 " 604.21					
226	STA 479+00 37.79' RT INLET, TYPE A, TYPE 8 GRATE	606.97	12 " 603.96				226	A 1	12	2	0.44%
204 R	STA 479+00 32.00' RT MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	607.73	18 " 603.95	12 " 603.95	RCEP S30 R19 603.93	12 " 604.21					
227	STA 480+00 40.40' LT INLET, TYPE A, TYPE 8 GRATE	606.30		12 " 604.47			227	A 1	12	11	0.44%
228	STA 480+00 27.00' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 607.43	12 " 604.42	12 " 604.41			228	A 1	12	52	0.44%
229	STA 480+00 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 607.43	12 " 604.18	12 " 604.17			229	A 1	12	2	0.44%
205 R	STA 480+00 32.50' RT MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	607.32	12 " 604.16		RCEP S30 R19 603.71	RCEP S30 R19 603.72					
230	STA 480+56.05 28.06' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 606.88		12 " 604.00			230	A 1	12	53	0.47%
231	STA 480+64.56 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 607.17	12 " 603.75	12 " 603.75			231	A 1	12	2	0.44%
232	STA 480+64.56 29.25' RT DIRECT CONNECTION (SEE SPECIFICATIONS)	N/A	12 " 603.74		3X2 603.57	3X2 603.57					
233	STA 481+28 28.06' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 606.80		12 " 604.00			233	A 1	12	53	0.47%
234	STA 481+20 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 606.95	12 " 603.75	12 " 603.75			234	A 1	12	2	0.44%
235	STA 481+20 29.25' RT DIRECT CONNECTION (SEE SPECIFICATIONS)	N/A	12 " 603.74		3X2 603.52	3X2 603.52					
236	STA 481+75 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 606.80		12 " 603.73			236	A 1	12	2	0.44%
237	STA 481+75 29.25' RT DIRECT CONNECTION (SEE SPECIFICATIONS)	N/A	12 " 603.72		3X2 603.46	3X2 603.47					
238	STA 482+00 41.04' LT INLET, TYPE A, TYPE 8 GRATE	606.00		12 " 603.92			238	A 1	12	12	0.44%
239	STA 482+00 27.00' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 606.75	12 " 603.87	12 " 603.85			239	A 1	12	52	0.44%
240	STA 482+00 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 606.75	12 " 603.62	12 " 603.62			240	A 1	12	2	0.44%
241	STA 482+00 29.25' RT DIRECT CONNECTION (SEE SPECIFICATIONS)	N/A	12 " 603.61		3X2 603.44	3X2 603.44					
242	STA 482+25 27.00' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 606.77		12 " 603.86			242	A 1	12	52	0.44%
243	STA 482+25 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 606.77	12 " 603.63	12 " 603.63			243	A 1	12	2	0.44%
244	STA 482+25 29.25' RT DIRECT CONNECTION (SEE SPECIFICATIONS)	N/A	12 " 603.62		3X2 603.41	3X2 603.42					
245	STA 483+00 27.00' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 607.03		12 " 603.76			245	A 1	12	52	0.44%
246	STA 483+00 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 607.03	12 " 603.53	12 " 603.53			246	A 1	12	2	0.44%
247	STA 483+00 29.25' RT DIRECT CONNECTION (SEE SPECIFICATIONS)	N/A	12 " 603.52		3X2 603.34	3X2 603.34					
248	STA 483+00 37.60' RT INLET, TYPE A, TYPE 8 GRATE	606.97	12 " 603.54				248	A 1	12	4	0.44%
249	STA 483+00 34.33' RT DIRECT CONNECTION (SEE SPECIFICATIONS)	N/A	12 603.52	12 " 603.52	3X2 603.34	3X2 603.34					

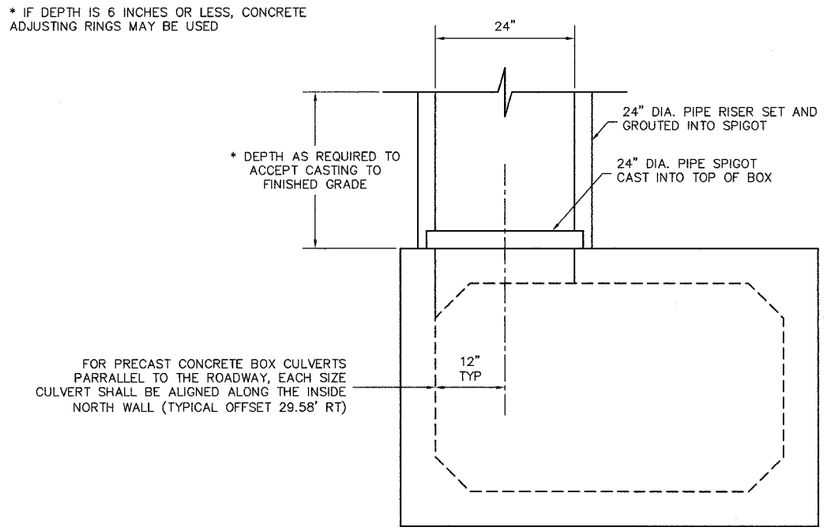
SEE STORM SEWER NOTES SHEET 14

STORM SEWER SCHEDULE
SHEET 13 OF 66 SHEETS

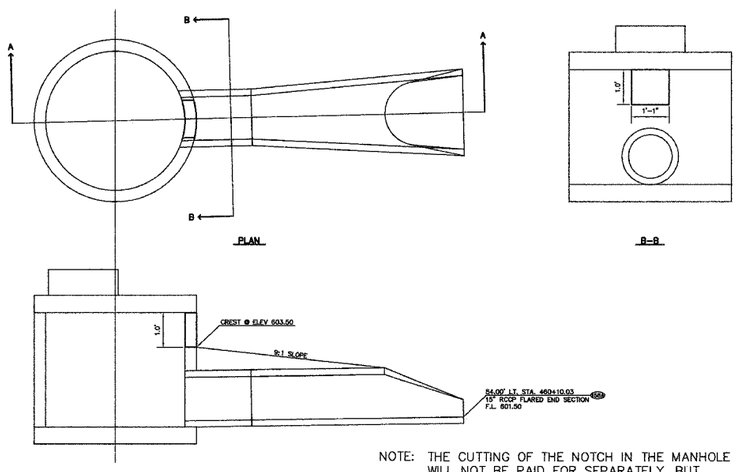
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	13
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

99464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	14
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



DETAIL OF MANHOLES, SPECIAL, TYPE 1 FRAME, CLOSED LID
MANHOLES, SPECIAL, TYPE 3 FRAME AND GRATE OR
MANHOLES, SPECIAL, TYPE 8 GRATE



NOTE: THE CUTTING OF THE NOTCH IN THE MANHOLE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID

DETAIL OF MANHOLE #158 STA. 460+37.01 54.0' LT.
MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID

DES.	STATION/OFFSET STRUCTURE TYPE	RIM	INVERT ELEVATION				STORM SEWER (RCCP)				
			NORTH	SOUTH	EAST	WEST	LINE NO.	CLASS /TYPE	SIZE (INCH)	LENGTH (LF)	SLOPE
250	STA 484+17 41.00' LT INLET, TYPE A, TYPE 8 GRATE	606.73		12 " 603.72							
251	STA 484+17 27.00' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 607.50	12 " 603.67	12 " 603.66			250	A 1	12	12	0.44%
252	STA 484+17 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 607.50	12 " 603.43	12 " 603.43			251	A 1	12	52	0.44%
253	STA 484+17 29.25' RT DIRECT CONNECTION (SEE SPECIFICATIONS)	N/A	12 " 603.42		3X2 603.22	3X2 603.22	252	A 2	12	2	0.44%
254	STA 485+00 40.27' LT WITH A 8" FLAP GATE INLET, TYPE A, TYPE 8 GRATE	606.93		12 " 603.64	8 " 603.64						
255	STA 485+00 27.00' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 607.83	12 " 603.59	12 " 603.58			254	A 1	12	12	0.44%
256	STA 485+00 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 607.83	12 " 603.35	12 " 603.35			255	A 1	12	52	0.44%
257	STA 485+00 29.16' RT DIRECT CONNECTION (SEE SPECIFICATIONS)	N/A	12 " 603.34	12 " 603.32	4X2 603.14	4X2 603.14	256	A 2	12	2	0.50%
258	STA 485+00 38.00' RT INLET, TYPE A, TYPE 8 GRATE	607.51	12 " 603.33								
259	STA 485+00 34.00' RT DIRECT CONNECTION (SEE SPECIFICATIONS)	N/A	12 " 603.34	12 " 603.32	4X2 603.14	4X2 603.14	258	A 1	12	3	0.44%
260	STA 486+31.00 45.00' LT PRECAST REINFORCED CONCRETE FLARED END SECTION 30"	FL 604.00	30 " 604.00								
261	STA 486+31.00 27.00' LT MANHOLE, TYPE A, 5'-DIAMETER, TYPE 3 FRAME AND GRATE	TC 608.36	30 " 603.94	30 " 603.54			260	A 1	30	10	0.60%
263	STA 486+31.00 29.08' RT (BC 28.08' RT) DIRECT CONNECTION (SEE SPECIFICATIONS)	N/A	30 " 603.02		5X3 603.00	5X3 603.01	261	A 1	30	54	0.96%
264	STA 487+85.44 35.58' RT DIRECT CONNECTION SPECIAL (SEE SPECIFICATIONS)	N/A		EX 21" 604.55	5X3 602.85	5X3 602.85	CONNECT EXISTING 21" STORM SEWER TO PROPOSED PRECAST CONCRETE BOX CULVERT 5' X 3' (SEE SPECIFICATIONS)				
EX MH	EXISTING MANHOLE NW QUADRANT CHECKERBERRY & CRYTAL LAKE	608.13	21 " 603.50	21 " 603.30	12 " 604.16						
265	STA 488+01.10 51.16' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 609.87			12 " 604.16						
266	STA 488+58.68 51.16' LT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	608.75		12 " 602.99	12 " 602.98	12 " 603.92	265	A 2	12	55	0.44%
267	STA 489+29.68 51.16' LT DIRECT CONNECTION (SEE SPECIFICATIONS)	N/A		3X5 602.61	EX 36" 602.54	12 " 602.68	266	A 2	12	69	0.44%
268	STA 488+58.68 28.02' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 609.15	12 " 603.08								
266 R	STA 488+58.68 51.16' LT MANHOLE, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	608.75		12 " 602.99	12 602.98	12 603.92	268	A 2	12	20	0.44%
269	STA 491+00 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 608.56			12 " 604.99						
270	STA 491+85 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 608.19	12 " 604.61			12 " 604.62	269	A 2	12	83	0.44%
271	STA 491+85 27.00' LT INLET, TYPE A, TYPE 3 FRAME AND GRATE	TC 608.19	12 " 602.69	12 " 604.38			270	A 2	12	52	0.44%
272	(DOGHOUSE) STA 491+85 48.47' LT MANHOLE, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	607.45		12 " 602.61	EX 36" 602.24	EX 36" 602.24	271	A 2	12	18	0.44%
227A	STA 482+50 27.00' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	606.83		12 " 603.69							
227B	STA 482+50 29.25' RT DIRECT CONNECTION (SEE SPECIFICATIONS)	N/A	12" 603.68		3X2 603.39	3X2 603.39	227A	A 1	12	2	0.44%
262	STA 486+35 27' RT INLET, TYPE A, TYPE 3 FRAME AND GRATE	608.37		12" 603.89							
262A	STA 486+35 29' RT DIRECT CONNECTION (SEE SPECIFICATIONS)	N/A	12" 603.88		5X3 603.00	5X3 603.00	262	A 1	12	2	0.44%
254 R	STA 485+00 40.27' LT WITH A 8" FLAP GATE INLET, TYPE A, TYPE 8 GRATE	606.93		12 " 603.64	8 " 603.64						
254A	STA 485+17.63 40.25' LT INLET, TYPE A, TYPE 1 FRAME, CLOSED LID	607.00				8 " 602.13	254A	A 1	8	17	8.86%

LEGEND

* - ALL R.C.C.P. STORM SEWER ON THIS PROJECT SHALL HAVE A FLEXIBLE GASKET JOINT CONFORMING TO ASTM-C-443 AND ASTM-C-361.

K.O. - INDICATES "KNOCK OUT" FOR FUTURE STORM SEWER PIPE

R - REPETITIVE STRUCTURE DESIGNATION (DO NOT DUPLICATE QUANTITY)

NOTES

1. ALL RCCP STORM SEWER PIPE SHALL BE RUBBER GASKET UNLESS OTHERWISE NOTED.
2. ALL OFFSETS TO MANHOLES AND INLETS PLACED IN THE CURB & GUTTER ARE TO THE CENTER OF THE STRUCTURE.
3. ALL OFFSETS TO MANHOLES AND INLETS PLACED OUTSIDE THE CURB & GUTTER ARE TO THE CENTER OF THE STRUCTURE.
4. ALL OFFSETS AND INVERTS FOR END SECTIONS ARE AT THE APPROPRIATE INLET OR OUTLET END OF THE STRUCTURES CENTERLINE.

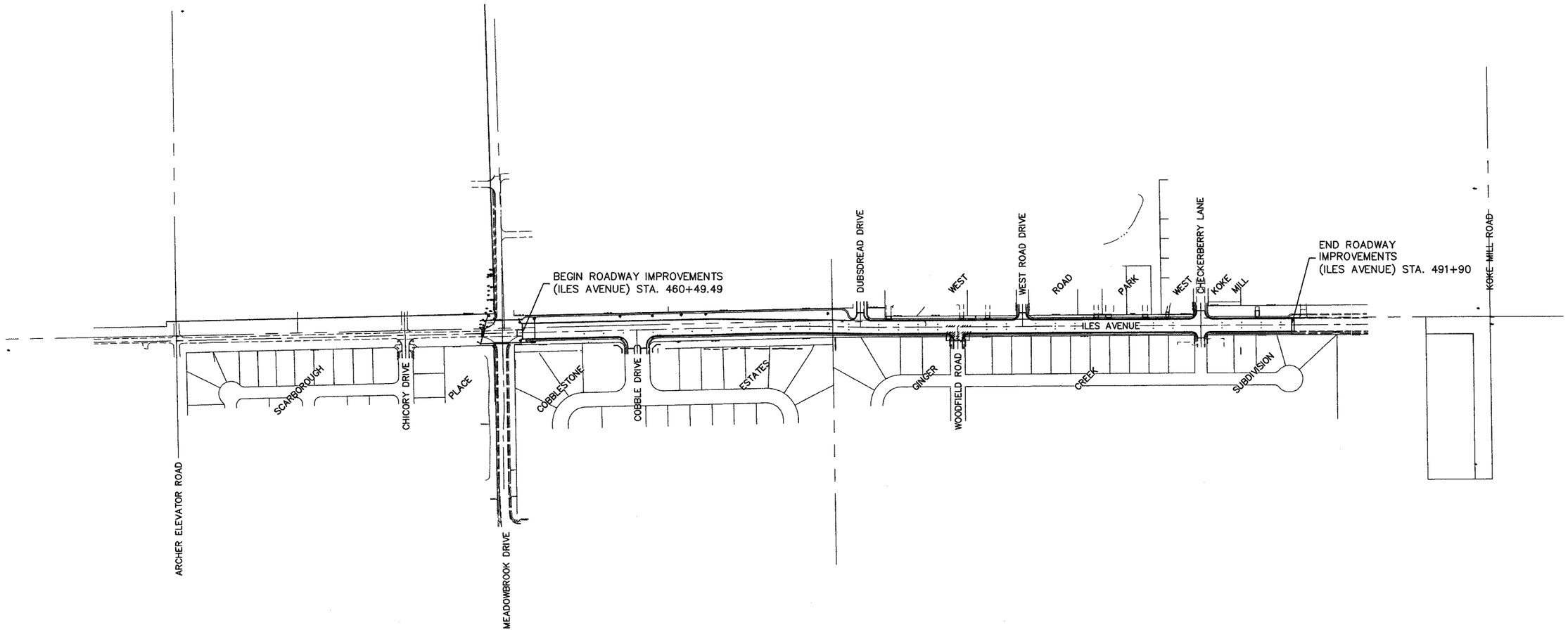
STORM SEWER SCHEDULE
SHEET 14 OF 66 SHEETS

Attached Xref(s) found at :
X-TBLK [G:\Jobs\96100\CONPLANS_2007\X-TBLK.dwg]

G:\Jobs\96100\CONPLANS_2007\C-QNTY.dwg, STRM-SCHD (3), 3/21/2008 9:08 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	15
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NO.	DATE	REVISION	BY

SHEET TITLE
SITE PLAN

PROJECT
ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 200'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-SITE
DRAWING NO. 15

MEC
MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002843)
3323 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8922, E-Mail : mecmail@martinengineeringco.com

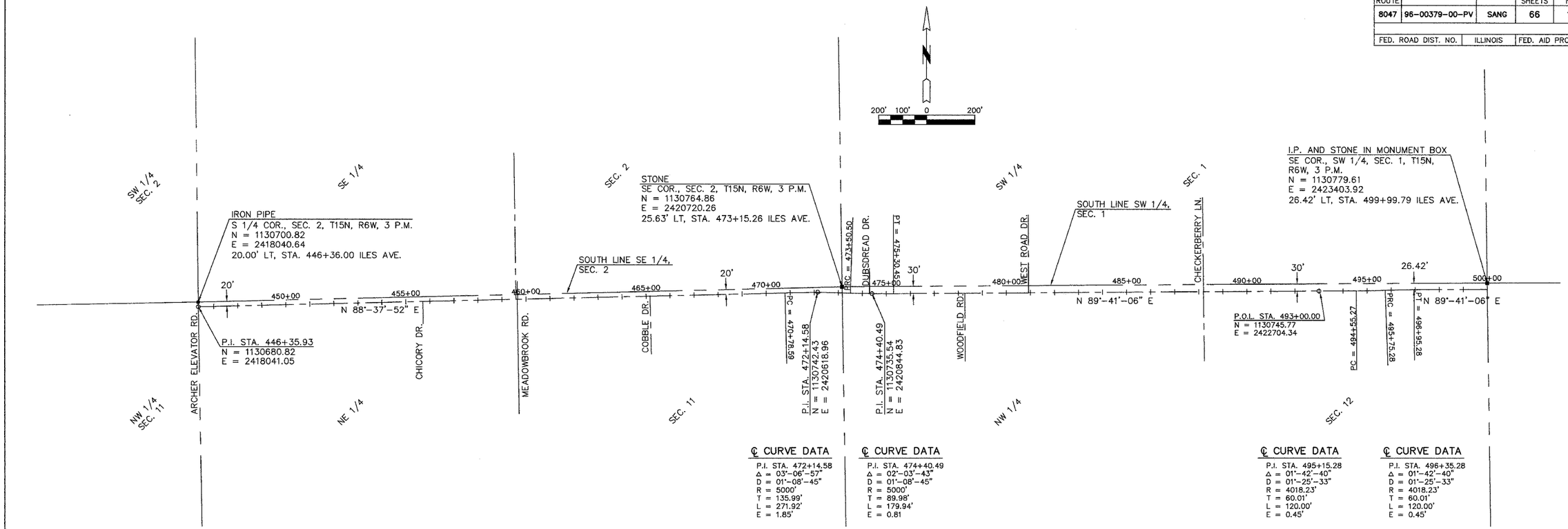
OF 66 SHTS

Attached Xref(s) found at :
X-Title (G:\jobs\96100\CONPLANS_2007\C-TITLE.dwg)
X-Title (G:\jobs\96100\CONPLANS_2007\C-TITLE.dwg)

G:\jobs\96100\CONPLANS_2007\C-SITE.dwg, SITE, 3/21/2008 9:08 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	16
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



℄ CURVE DATA

P.I. STA. 472+14.58
Δ = 03°-06'-57"
D = 01°-08'-45"
R = 5000'
T = 135.99'
L = 271.92'
E = 1.85'

℄ CURVE DATA

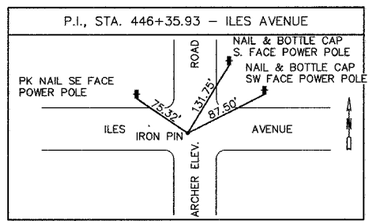
P.I. STA. 474+40.49
Δ = 02°-03'-43"
D = 01°-08'-45"
R = 5000'
T = 89.98'
L = 179.94'
E = 0.81

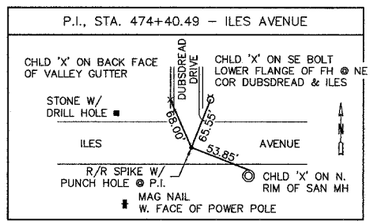
℄ CURVE DATA

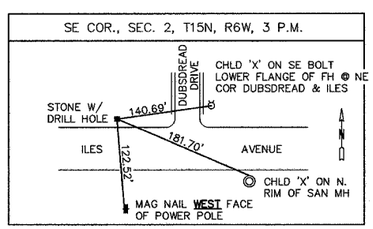
P.I. STA. 495+15.28
Δ = 01°-42'-40"
D = 01°-25'-33"
R = 4018.23'
T = 60.01'
L = 120.00'
E = 0.45'

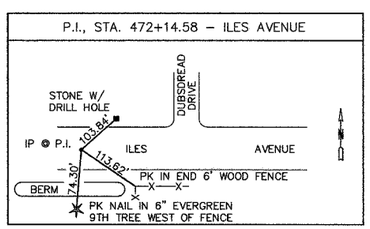
℄ CURVE DATA

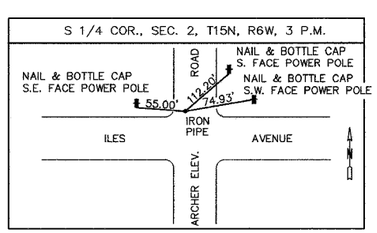
P.I. STA. 496+35.28
Δ = 01°-42'-40"
D = 01°-25'-33"
R = 4018.23'
T = 60.01'
L = 120.00'
E = 0.45'

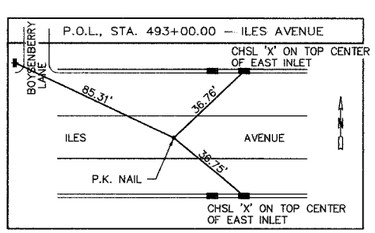












BENCHMARKS

BENCHMARK	STATION / OFFSET	LOCATION / DESCRIPTION	ELEVATION
1	21' LT., STA. 446+59	SPIKE IN NORTH FACE OF UTILITY POLE SE COR. OF ARCHER AND ILES INTERSECTION	610.69
2	70' RT., STA. 455+89	SOUTH CAP BOLT OF FIRE HYDRANT SE COR. OF ILES AND CHICORY INTERSECTION	609.60
3	8.3' RT., STA. 465+17	CHISELED SQUARE CUT IN TOP OF CURB N. END OF ISLAND, COBBLESTONE DR. ENTRANCE	
5	55' RT., STA. 488+35	BACK OF CURB, N. SIDE CONCRETE DRIVE SOUTH SIDE ILES, 2500 CHECKERBERRY LANE	608.53
10	60' LT., STA. 459+35	NORTH CAP BOLT OF FIRE HYDRANT WITH ARROW NW COR. OF ILES AND MEADOWBROOK INTERSECTION	608.20
12	35' LT., STA. 486+16	SOUTH CAP BOLT OF FIRE HYDRANT NORTH SIDE OF ILES AVE. @ ADDRESS 3601	609.57
			607.59
14	64' LT., STA. 474+51	SOUTH CAP BOLT OF FIRE HYDRANT NE COR. OF ILES AVE. AND DUBSDREAD DR.	611.91
15		NORTH CAP BOLT OF FIRE HYDRANT NW COR. OF ILES AND KOKE MILL INTERSECTION	612.33

HORIZONTAL AND VERTICAL CONTROL SHOWN ON THIS SHEET ARE FOR THE CONSTRUCTION LAYOUT OF THE IMPROVEMENTS ON ILES AVENUE ONLY.

NO.	DATE	REVISION	BY

SHEET TITLE: ALIGNMENT TIES AND BENCHMARKS
PROJECT: ILES AVENUE
PROJECT NO.: 96100
SCALE: 1" = 200'
DATE: OCT., 2007
DRAWN BY: MEC
CHECKED BY: PBW
DRAWING FILE: C-CONT
DRAWING NO.: 16

MEC MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS AND SURVEYORS
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002843
3023 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8922, E-Mail : mecmail@martinengineeringco.com

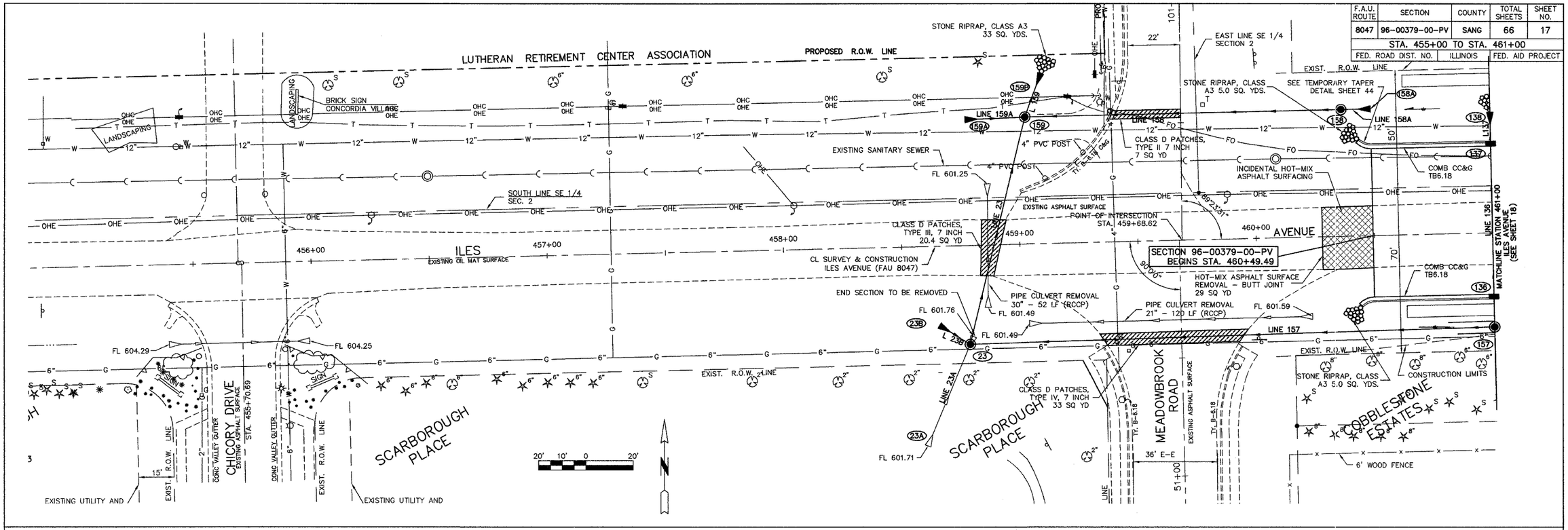
OF 66 SHTS

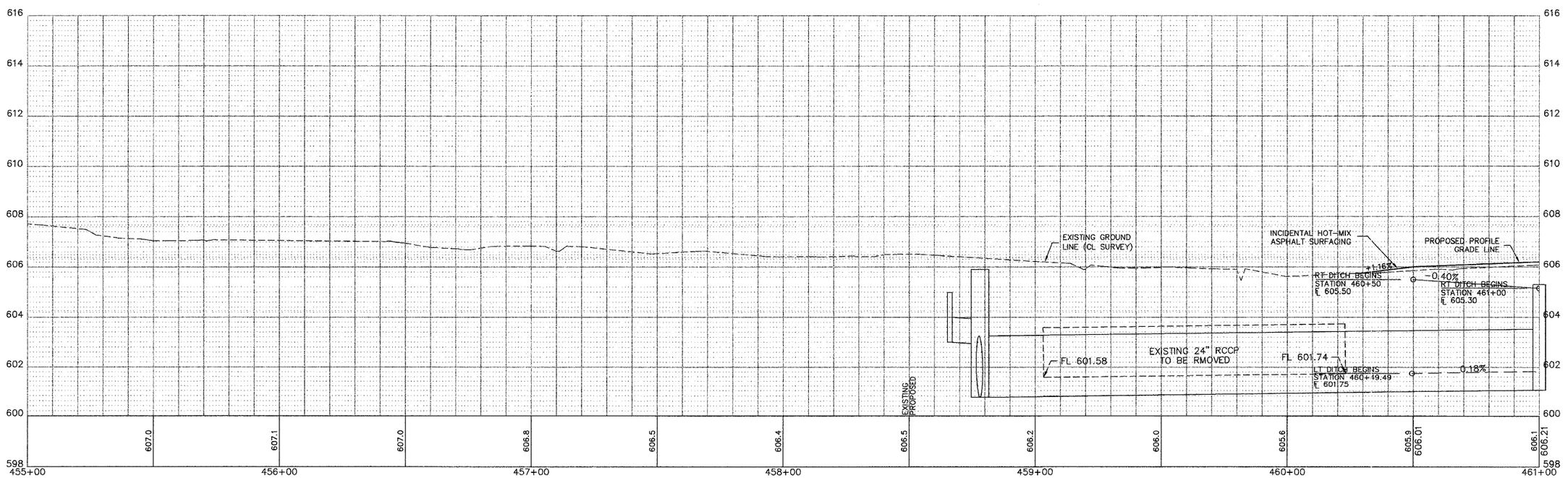
Attached Xref(s) found at :
X-TBLK (S:\Jobs\96100\CONPLANS_2007\X-TBLK.dwg)

G:\jobs\96100\CONPLANS_2007\C-CONT.dwg, CONT, 3/21/2008 9:08 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	17
STA. 455+00 TO STA. 461+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





SCALES
1" = 20' HORIZONTAL
1" = 2' VERTICAL

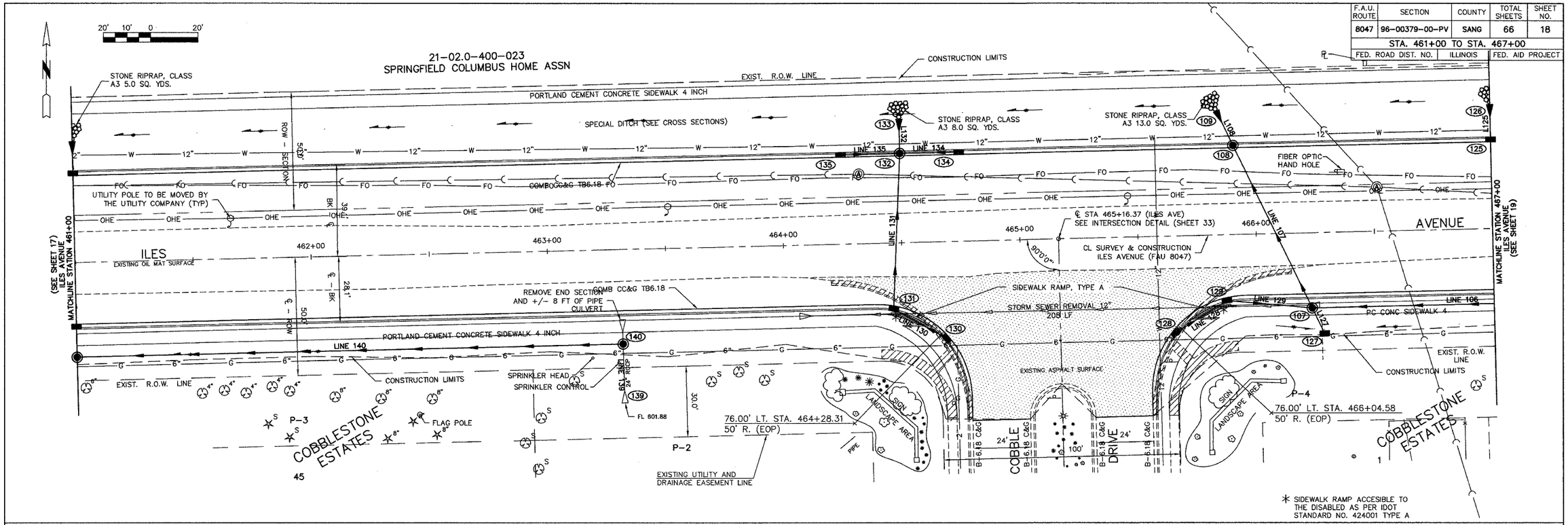
PLAN & PROFILE - ILES AVENUE
STATION 455+00 - 461+00
SHEET 17 OF 66 SHEETS

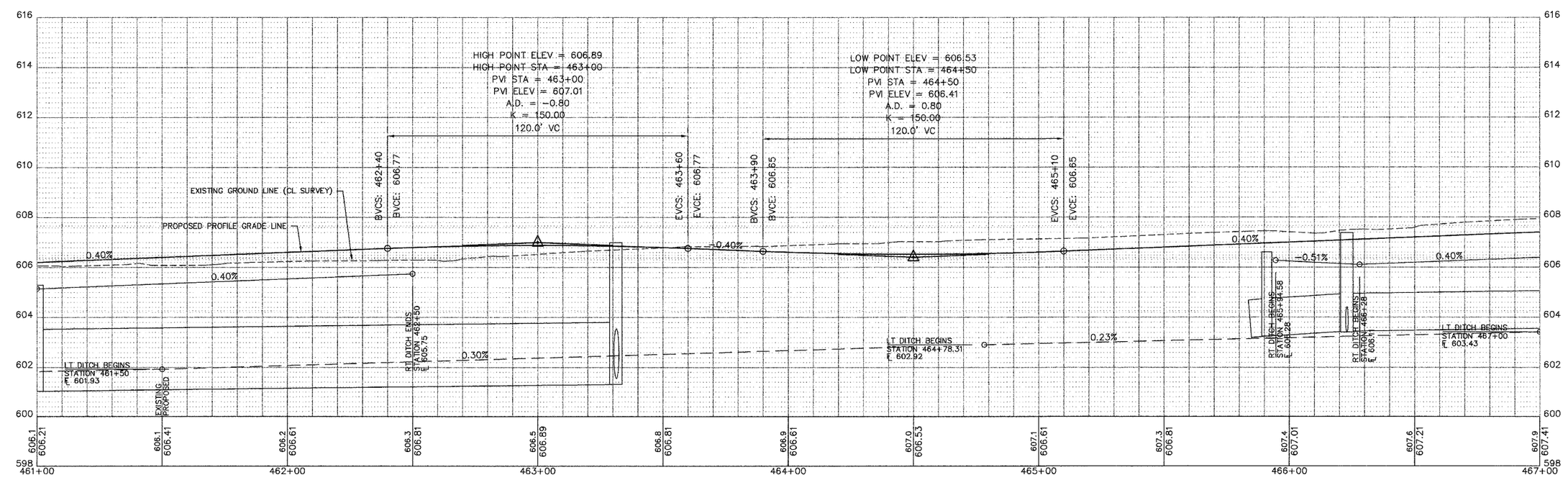
Attached Xref(s) found at :
X-BASE [G:\jobs\96100\CONPLANS_2007\X-BASE.dwg]
X-PROF [G:\jobs\96100\CONPLANS_2007\X-PROF.dwg]
X-TBLK [G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg]

G:\jobs\96100\CONPLANS_2007\C-ROAD.dwg, 455+00 - 461+00, 3/21/2008 9:11 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	18
STA. 461+00 TO STA. 467+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





SCALES
1" = 20' HORIZONTAL
1" = 2' VERTICAL

PLAN & PROFILE – ILES AVENUE
STATION 461+00 – 467+00
SHEET 18 OF 66 SHEETS

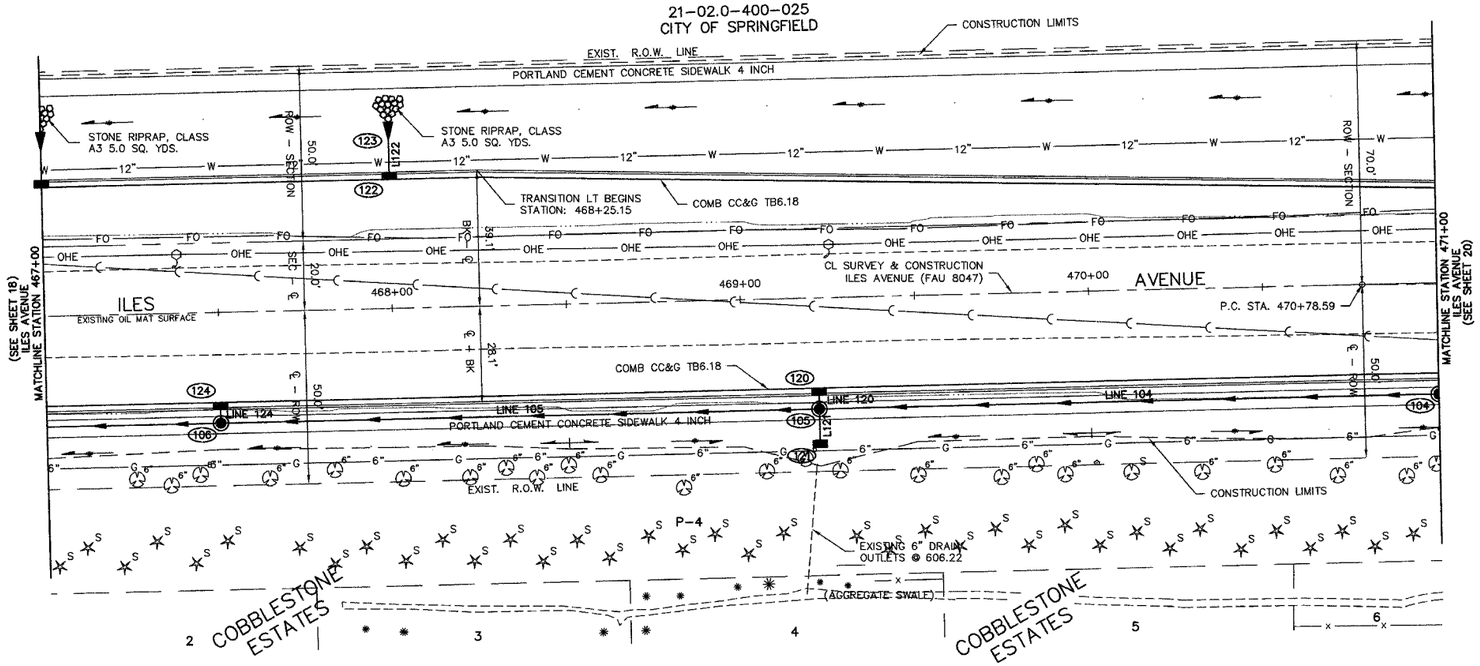
Attached Ref(s) found at :
X-BASE (G:\jobs\96100\CONPLANS_2007\X-BASE.dwg)
X-BASE (G:\jobs\96100\CONPLANS_2007\X-BASE.dwg)
X-TBLK (G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg)

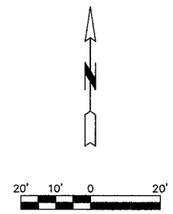
G:\jobs\96100\CONPLANS_2007\C-ROAD.dwg, 461+00 – 467+00, 3/21/2008 9:11 AM, RPOTTS, 1:1

93464

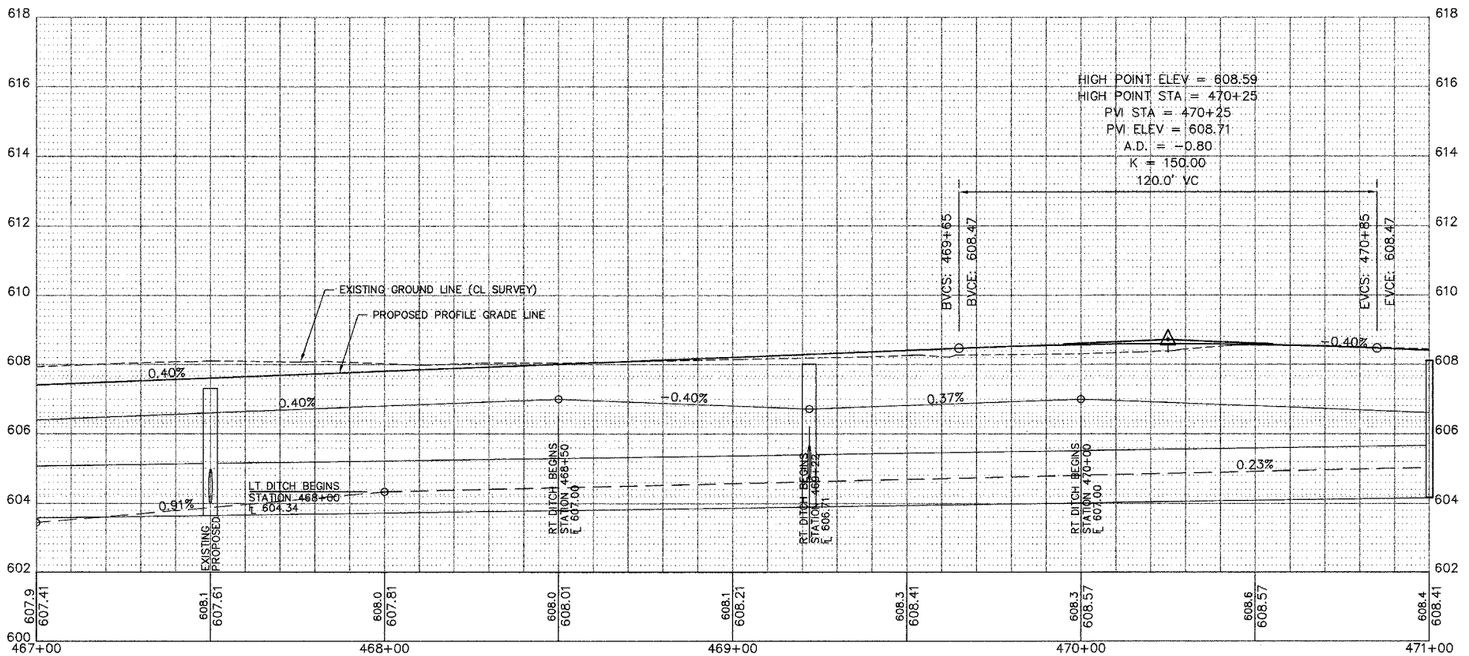
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	19
STA. 467+00 TO STA. 471+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

21-02.0-400-025
CITY OF SPRINGFIELD





NOTES: CONTRACTOR TO SAW CUT AT ALL EXISTING PAVEMENT EDGES AND CURBS



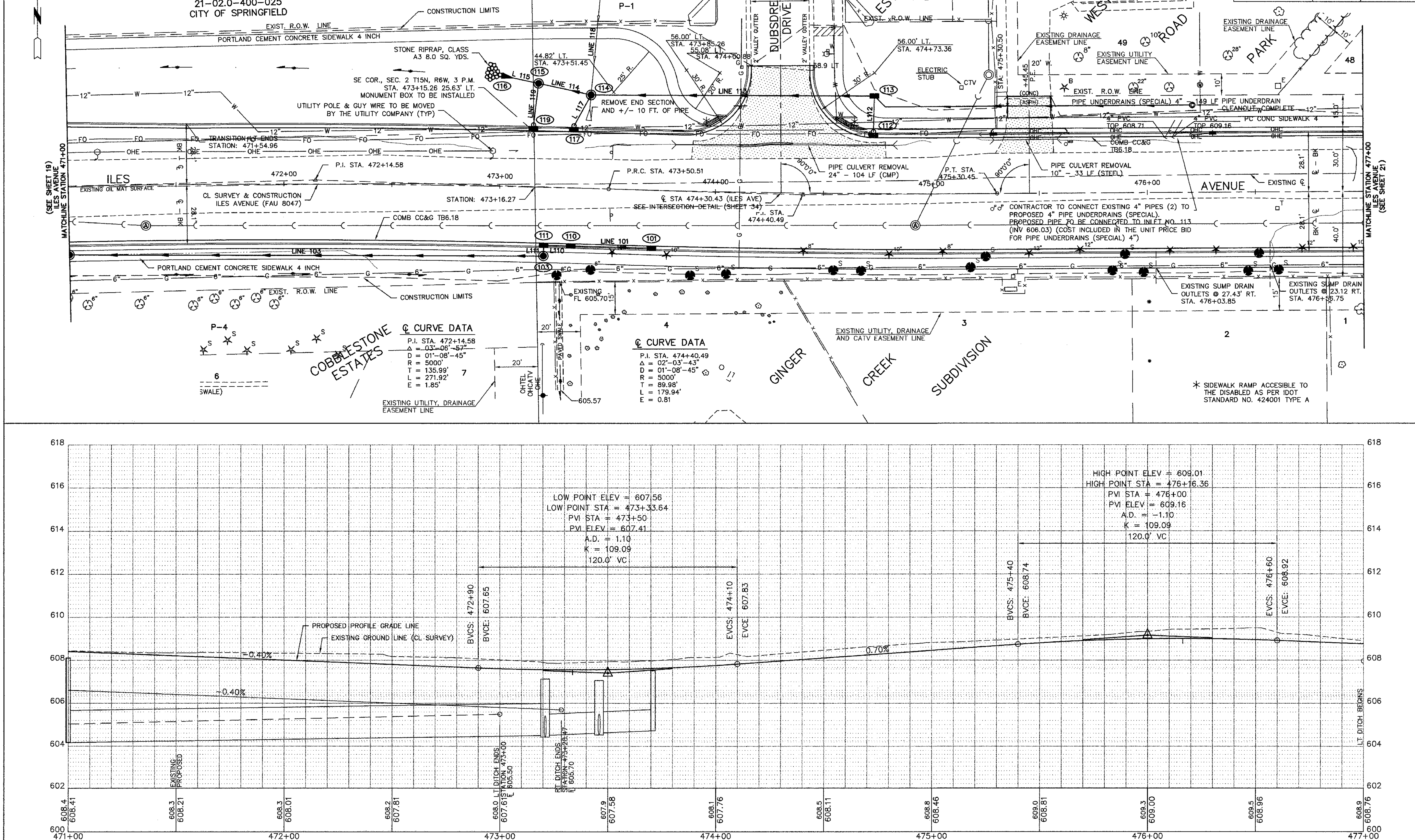
SCALES
1" = 20' HORIZONTAL
1" = 2' VERTICAL

PLAN & PROFILE - ILES AVENUE
STATION 467+00 - 471+00
SHEET 19 OF 66 SHEETS

Attached XREF(s) found at :
X-BASE [G:\Jobs\96100\CONPLANS_2007\X-BASE.dwg]
X-PROF [G:\Jobs\96100\CONPLANS_2007\X-PROF.dwg]
X-TBLK [G:\Jobs\96100\CONPLANS_2007\X-TBLK.dwg]

G:\Jobs\96100\CONPLANS_2007\C-ROAD.dwg, 467+00 - 471+00, 3/21/2008 9:11 AM, RPOTTS, 1:1

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	20
STA. 471+00 TO STA. 477+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SCALES
1" = 20' HORIZONTAL
1" = 2' VERTICAL

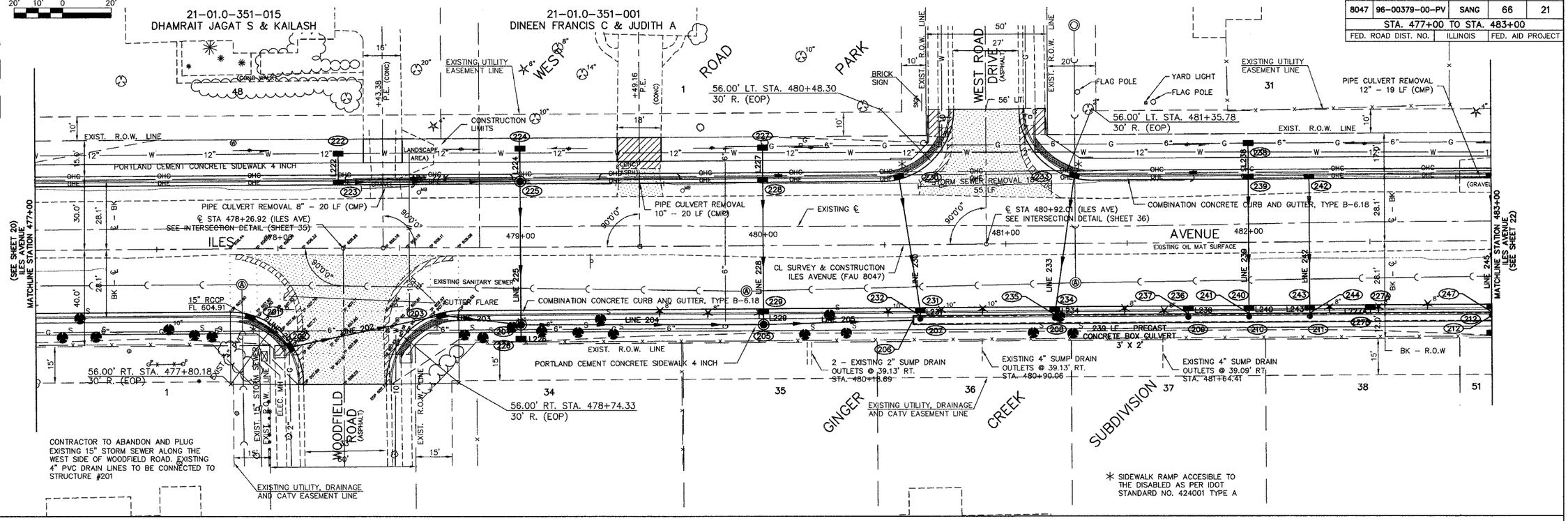
PLAN & PROFILE - ILES AVENUE
STATION 471+00 - 477+00
SHEET 20 OF 66 SHEETS

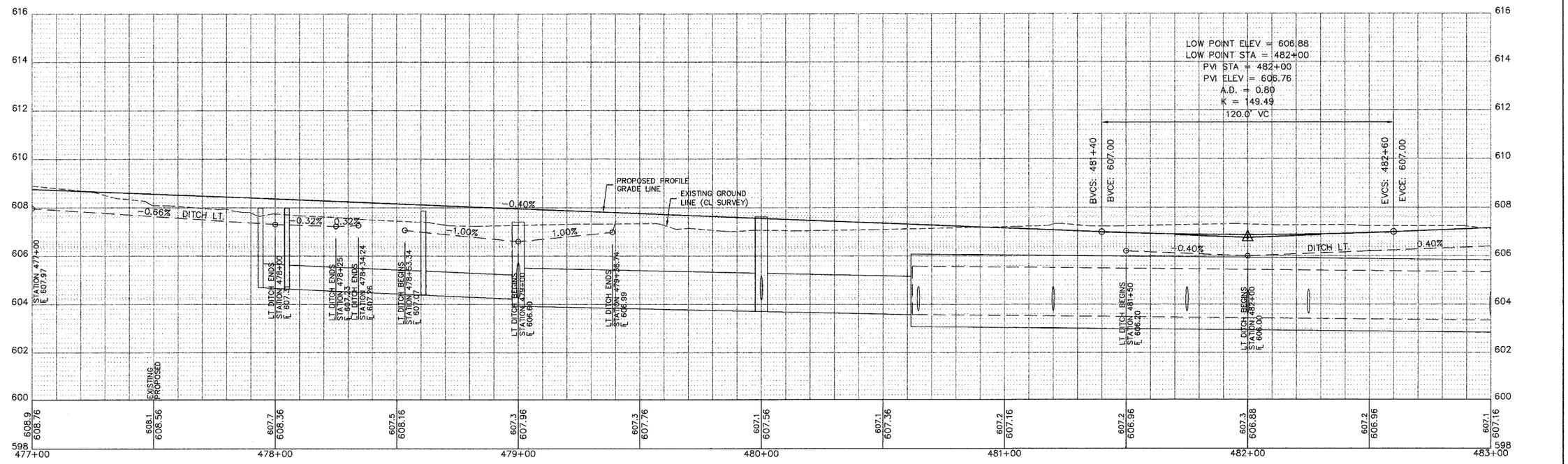
G:\jobs\96100\CONPLANS_2007\C-ROAD.dwg, 471+00 - 477+00, 3/21/2008 9:11 AM, RPOTTS, 1:1

Attached Xref(s) found at :
X-BASE [G:\jobs\96100\CONPLANS_2007\X-BASE.dwg]
X-PROF [G:\jobs\96100\CONPLANS_2007\X-PROF-ROAD.DWG]
X-TBLK [G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg]

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	21
STA. 477+00 TO STA. 483+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





SCALES
1" = 20' HORIZONTAL
1" = 2' VERTICAL

PLAN & PROFILE - ILES AVENUE
STATION 477+00 - 483+00
SHEET 21 OF 66 SHEETS

Attached DWG(s) found at :
X-BASE (G:\jobs\96100\CONPLANS_2007\X-BASE.dwg)
X-PROF (G:\jobs\96100\CONPLANS_2007\X-PROF.dwg)
X-TBLK (G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg)

G:\jobs\96100\CONPLANS_2007\C-ROAD.dwg, 477+00 - 483+00, 3/21/2008 9:12 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	22
STA. 483+00 TO STA. 489+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

21-01.0-352-018
BILYEU TERRY & RUTH ANN

21-01.0-352-019
BULPITT JAMES C & ELIZABETH A

21-01.0-352-020
CRAVEN JAMES L & SALLY J

21-01.0-375-001
ELLIOTT DARREN D & MITZI

(SEE SHEET 21) ILES AVENUE MATCHLINE STATION 483+00

MATCHLINE STATION 489+00 ILES AVENUE (SEE SHEET 23)

CONNEST ROAD PARK

GINGER CREEK SUBDIVISION

CHECKERBERRY LANE

ILES AVENUE

EXISTING UTILITY EASEMENT LINE

EXISTING DRAINAGE & UTILITY EASEMENT

EXISTING R.O.W. LINE

PROPOSED R.O.W. LINE

TEMPORARY CONSTRUCTION EASEMENT

PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH

SEE NOTE BELOW STA: 485+17.67 42.00' LT

EXISTING 8" PVC STORM SEWER

EXISTING 4" PVC GOES N.

EXISTING 8" PVC STORM SEWER

PIPE CULVERT REMOVAL 12" (CMP)

PIPE CULVERT REMOVAL 12" – 31 LF (CMP)

STORM SEWER REMOVAL 12" 31 LF

EXISTING ℄

SEE NOTE BELOW

PIPE CULVERT REMOVAL 12" – 24 LF (CMP)

PIPE CULVERT REMOVAL (2 @ 35') 12" – 70 LF (CMP)

PIPE CULVERT REMOVAL 24" T 37 LF (CMP)

CL SURVEY & CONSTRUCTION ILES AVENUE (FAU 8047)

EXISTING OIL MAT SURFACE

STA: 485+17 12.72' RT

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

FLARED END SECTION REMOVAL

CONTRACTOR CONNECT 24" STORM SEWER TO THE PROPOSED DRAINAGE STRUCTURE

STORM SEWER REMOVAL 12" 63 LF

℄ STA 488+18.90 (ILES AVE) SEE INTERSECTION DETAIL (SHEET 37)

℄ STA 488+79.75 (ILES AVE) SEE INTERSECTION DETAIL (SHEET 37)

56.00' LT. STA. 487+72.50
30' R. (EOP)

56.90' LT. STA. 488+66.32
30' R. (EOP)

9.97' RT. STA. 487+88.05

9.89' RT. STA. 488+56.01

53.43' RT. STA. 487+73.02

53.50' RT. STA. 488+64.52

51.00' RT. STA. 487+80.92
25' R. (EOP)

51.00' RT. STA. 488+57.89
25' R. (EOP)

197 LF – PRECAST CONCRETE BOX CULVERT 3' X 2'

132 LF – PRECAST CONCRETE BOX CULVERT 4' X 2'

271 LF – PRECAST CONCRETE BOX CULVERT 5' X 4'

PVC SUMP GOES S.

EXISTING UTILITY, DRAINAGE AND CATV EASEMENT LINE

EXISTING UTILITY, DRAINAGE AND CATV EASEMENT

EXISTING 4" SUMP DRAIN OUTLETS @ 40.0' RT. STA. 483+73.67

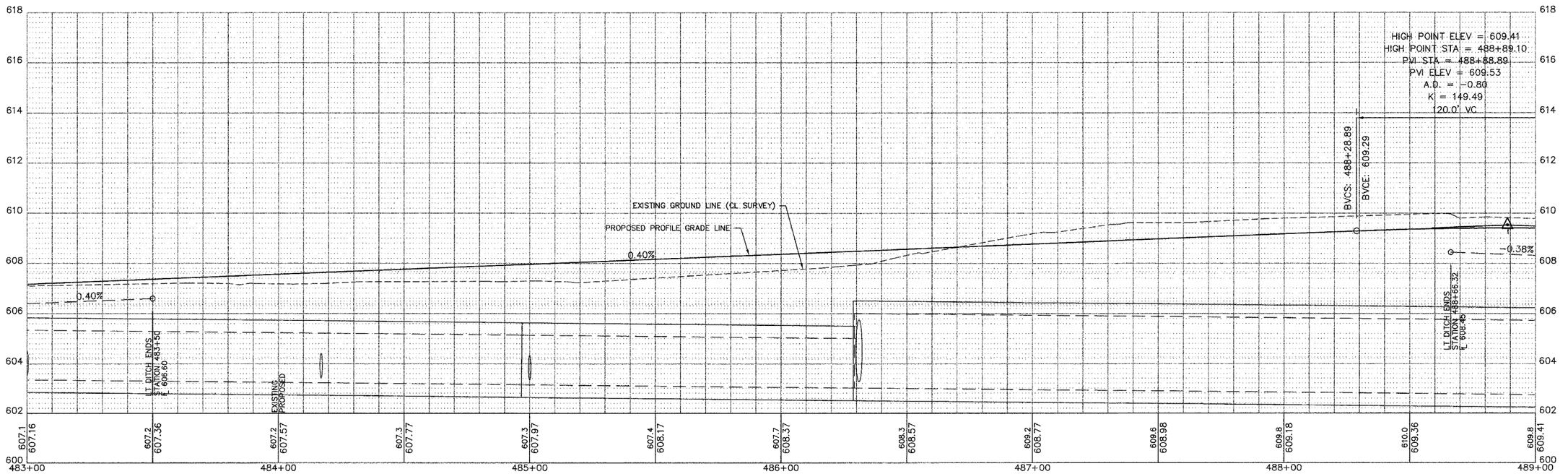
EXISTING 4" SUMP DRAIN OUTLETS @ 39.24' RT. STA. 484+93.67

EXISTING 4" SUMP DRAIN OUTLETS @ 39.36' RT. STA. 485+15.90

EXISTING 4" SUMP DRAIN OUTLETS @ 39.24' RT. STA. 485+58.95

* SIDEWALK RAMP ACCESIBLE TO THE DISABLED AS PER IDOT STANDARD NO. 424001 TYPE A

NOTE: REMOVE 8" PVC STORM SEWER (55 LF) (STA: 485+18 42' LT TO STA: 485+17 13' RT) AND EXISTING INLETS (2 EACH). CONNECT THE EXISTING 8" PVC FROM THE NORTH TO PROPOSED INLET 254A. PLACE A FLAP GATE ON LINE 254A IN INLET 254. THE ELEVATION OF THE BOTTOM OF THE INLET SHALL BE 6" BELOW THE INVERT OF THE PROPOSED STORM SEWER (ELEV. 603.64). REPLACE 8" PVC FROM INLET 254A TO THE EXISTING MANHOLE TO BE REMOVED @ STATION 485+17 WITH STORM SEWER, CLASS A, TYPE 1 8". COST OF CONNECTING EXISTING STORM SEWER TO PROPOSED STORM SEWER WILL BE INCLUDED IN THE PRICE PER FOOT FOR STORM SEWER, CLASS A, TYPE 1 8"



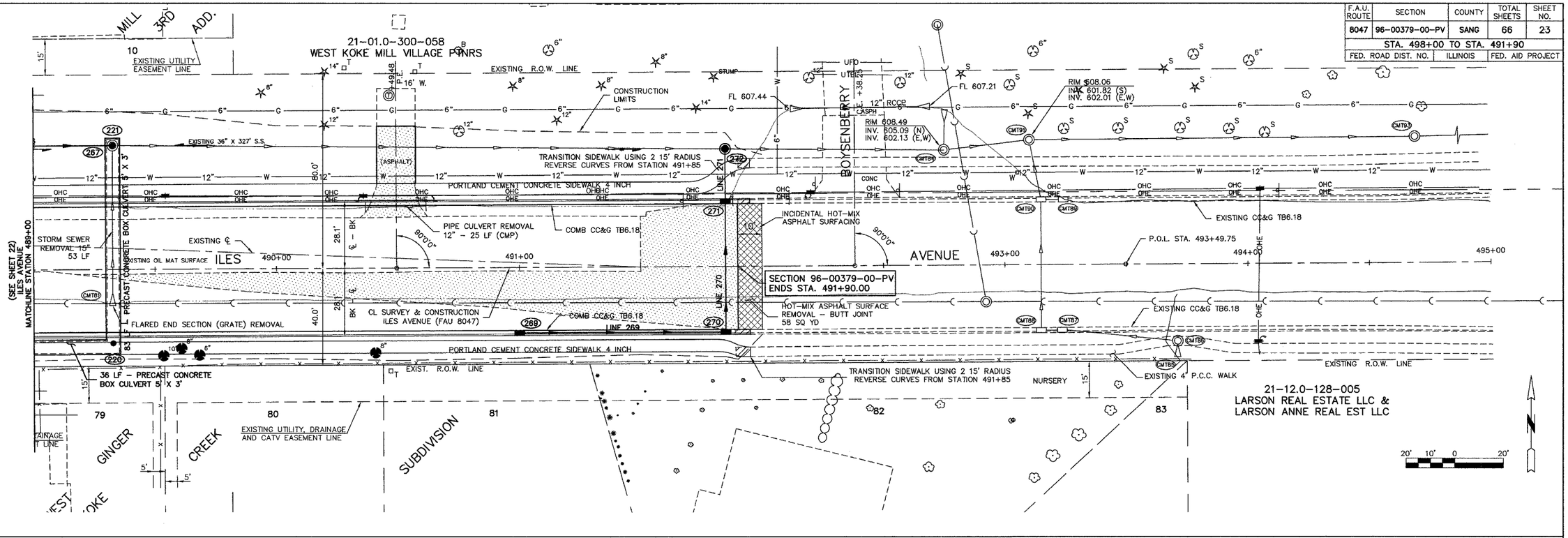
SCALES
1" = 20' HORIZONTAL
1" = 2' VERTICAL

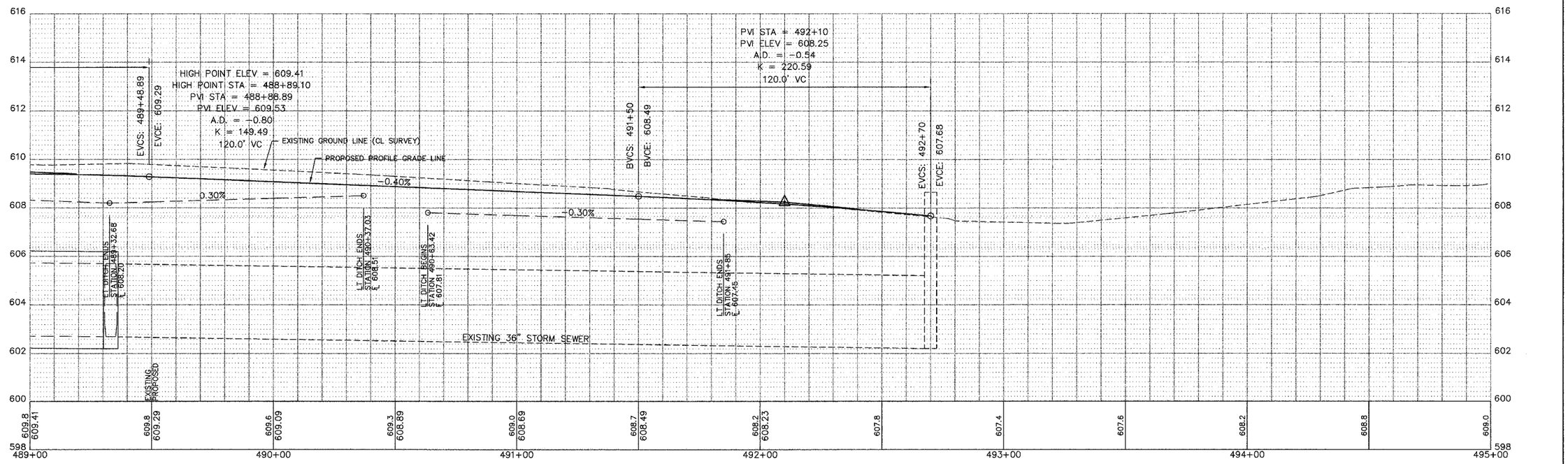
PLAN & PROFILE – ILES AVENUE
STATION 483+00 – 489+00
SHEET 22 OF 66 SHEETS

C:\jobs\96100\CONPLANS_2007\C-ROAD.dwg, 483+00 – 489+00, 3/21/2008 9:12 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	23
STA. 498+00 TO STA. 491+90				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





SCALES
1" = 20' HORIZONTAL
1" = 2' VERTICAL

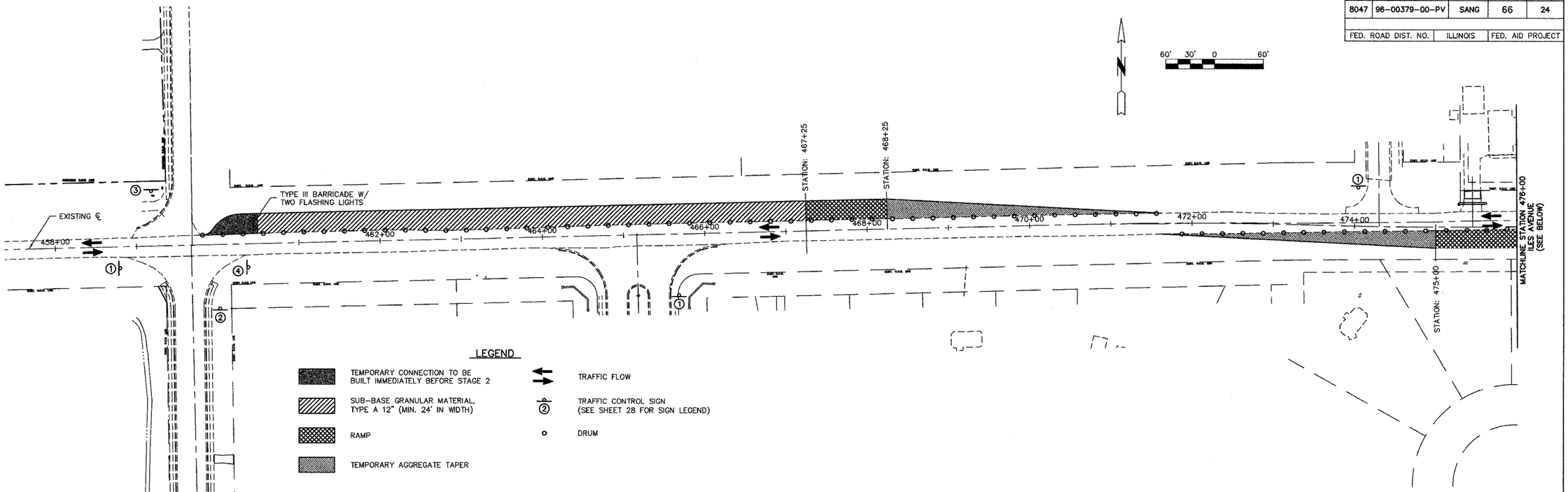
PLAN & PROFILE - ILES AVENUE
STATION 489+00 - 491+90
SHEET 23 OF 66 SHEETS

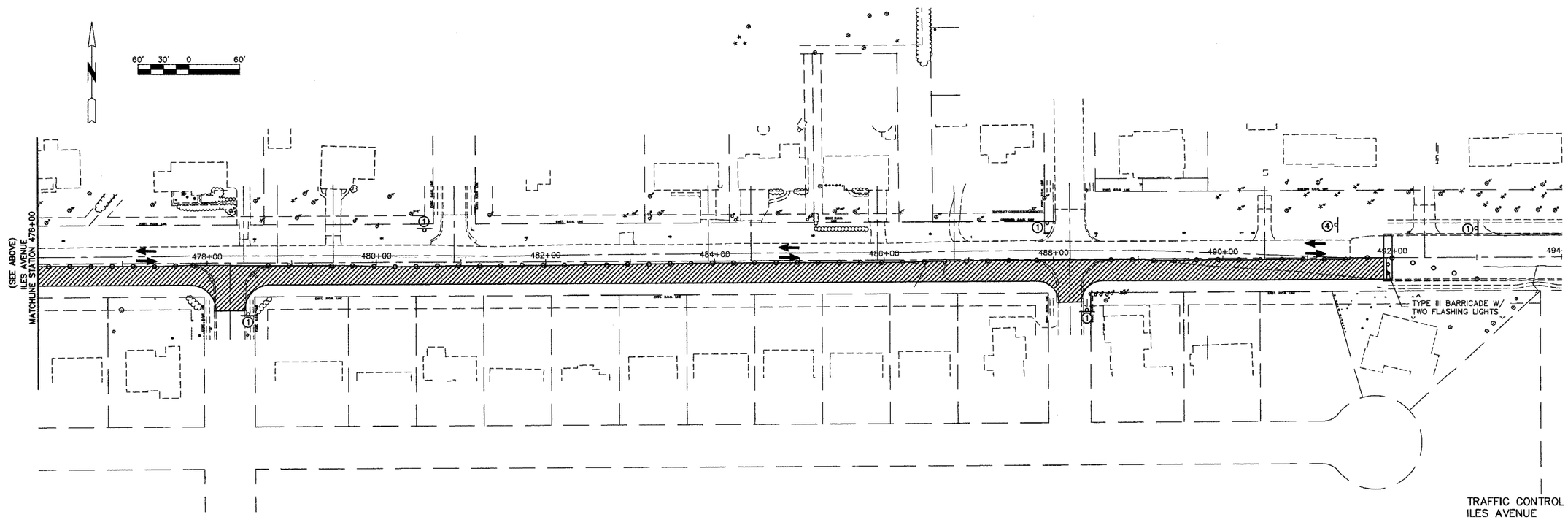
Attached XrefS found at :
X-ROAD [G:\jobs\96100\CONPLANS_2007\C-ROAD.dwg]
X-PROF [G:\jobs\96100\CONPLANS_2007\C-PROF.dwg]
X-TBLK [G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg]

G:\jobs\96100\CONPLANS_2007\C-ROAD.dwg, 489+00 - 491+90, 3/21/2008 9:12 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	24
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





TRAFFIC CONTROL STAGE I
ILES AVENUE
SHEET 24 OF 66 SHEETS

Attached Xref(s) found at :
X-REF: [G:\jobs\96100\CONPLANS_2007\X-TRUCK.dwg]

G:\jobs\96100\CONPLANS_2007\C-TRAF-R1.dwg, STG1, 3/21/2008 2:42 PM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	25
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

60' 30' 0 60'

458+00

STATION: 467+25

STATION: 468+25

EXISTING RAMP

EDGE LINES

470+00

472+00

474+00

EXISTING RAMP

MATCHLINE STATION 478+00
ILES AVENUE
(SEE BELOW)

STATION: 475+00

TYPE III BARRICADE W/
TWO FLASHING LIGHTS

LEGEND

- TEMPORARY CONNECTION TO BE BUILT IMMEDIATELY BEFORE STAGE 2
- CONSTRUCT CURB & GUTTER, PAVEMENT, STORM SEWER, ETC.
- RAMP
- TEMPORARY AGGREGATE TAPER
- TRAFFIC FLOW
- TRAFFIC CONTROL SIGN (SEE SHEET 28 FOR SIGN LEGEND)
- DRUM

60' 30' 0 60'

(SEE ABOVE)
ILES AVENUE
MATCHLINE STATION 478+00

TYPE III BARRICADE
W/ TWO FLASHING
LIGHTS

494+00

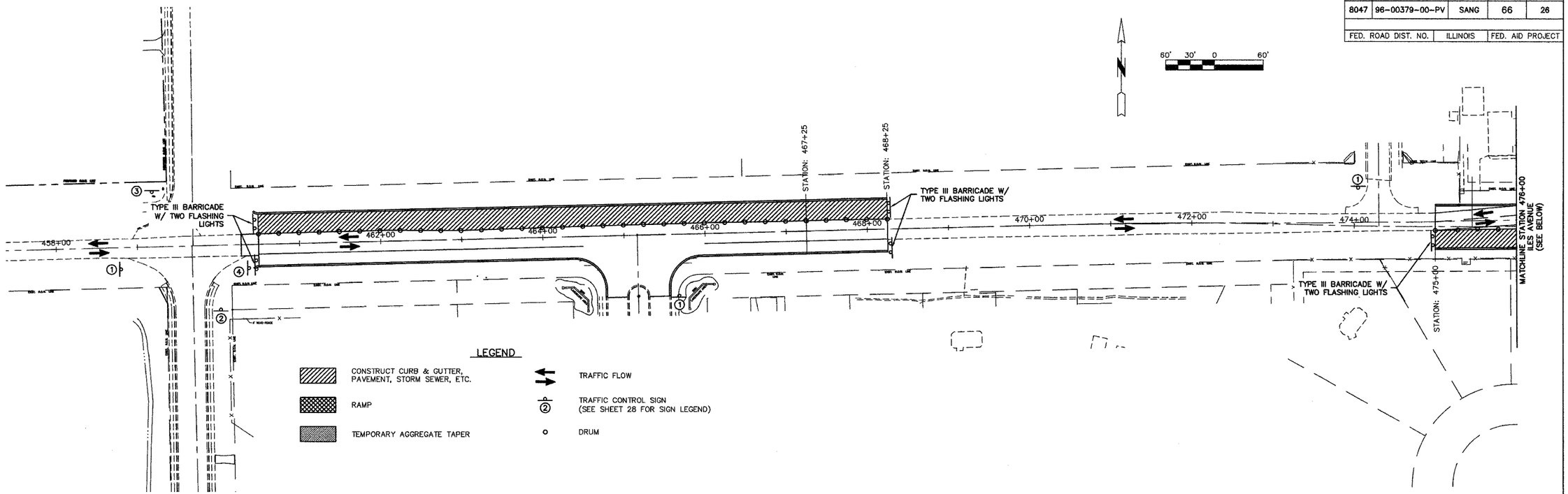
TRAFFIC CONTROL STAGE II
ILES AVENUE
SHEET 25 OF 66 SHEETS

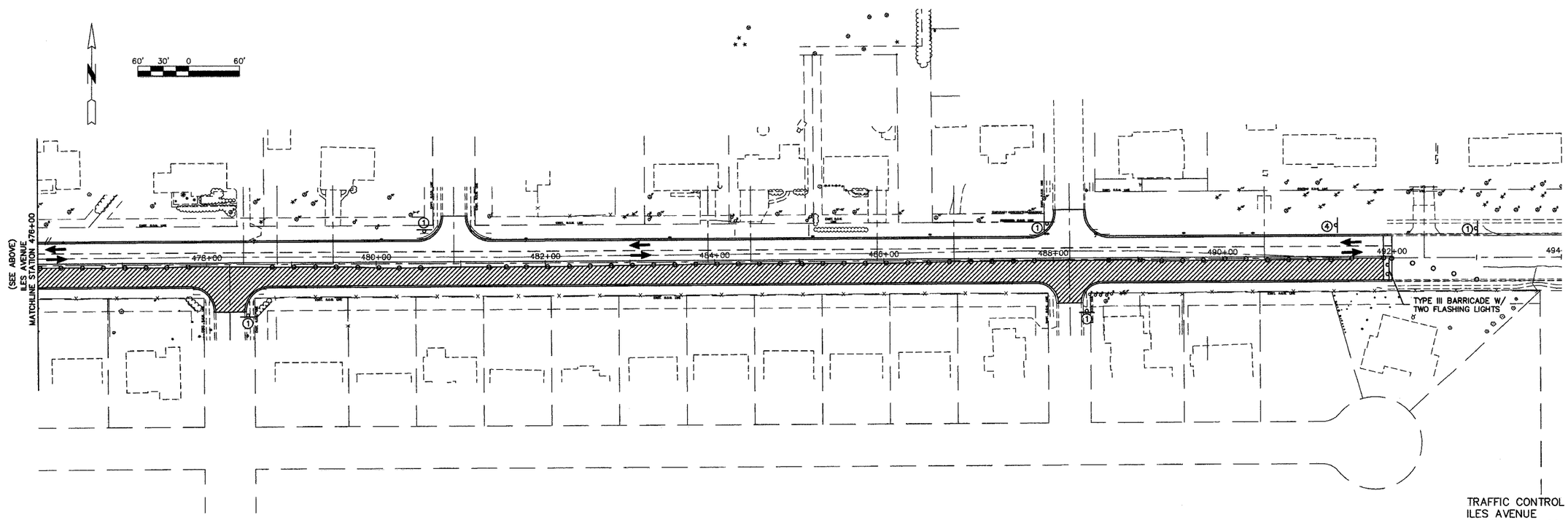
Attached Xref(s) found at :
X:-TBLK [G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg]

G:\jobs\96100\CONPLANS_2007\C-TRAF-R1.dwg, STG2, 3/21/2008 2:42 PM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	26
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





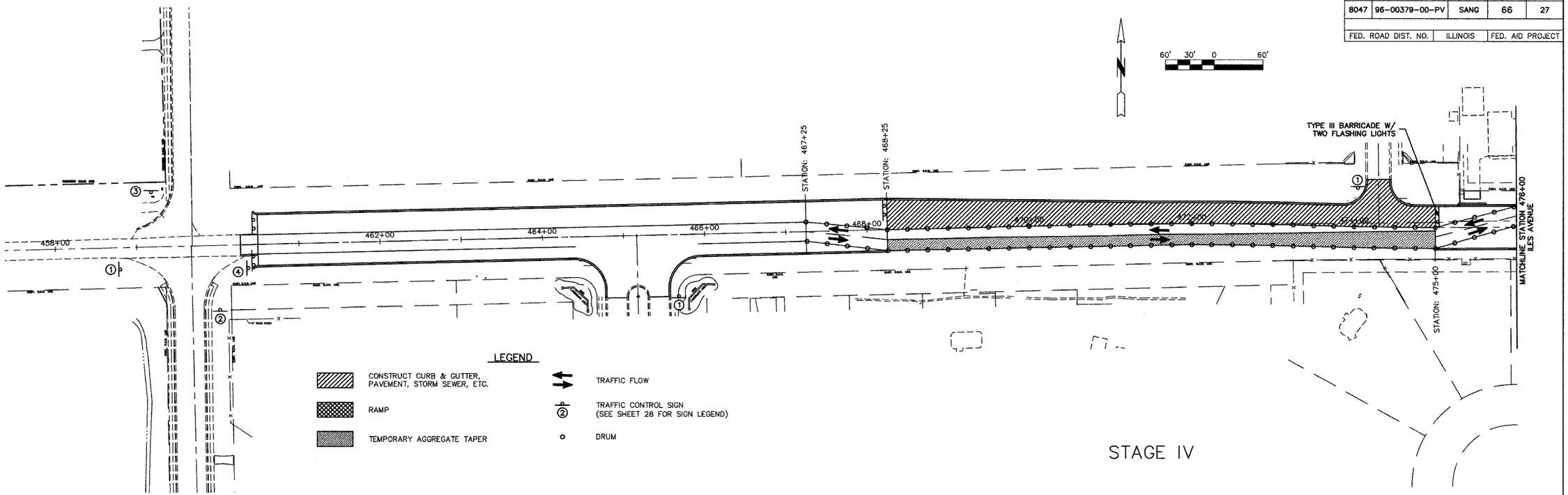
TRAFFIC CONTROL STAGE III
ILES AVENUE
SHEET 26 OF 66 SHEETS

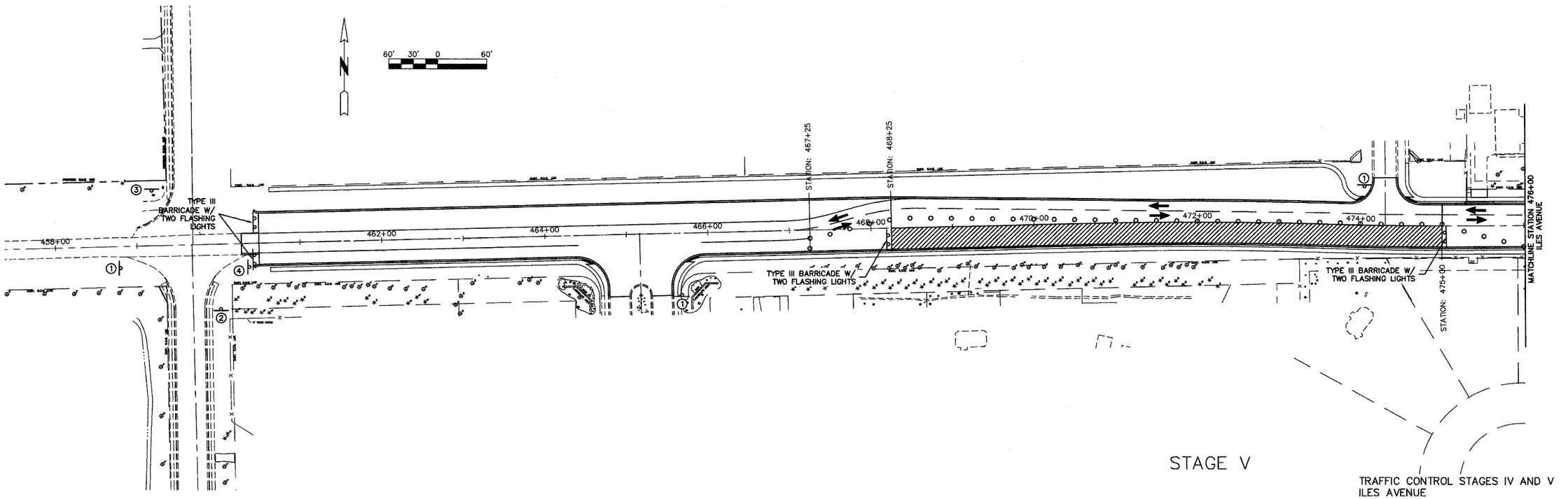
Attached Xref(s) found at :
X-TBLX [G:\jobs\96100\CONPLANS_2007\X-TBLX.dwg]

G:\jobs\96100\CONPLANS_2007\C-TRAF-R1.dwg, STG3, 3/21/2008 2:42 PM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	27
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	





TRAFFIC CONTROL STAGES IV AND V
ILES AVENUE
SHEET 27 OF 66 SHEETS

Attached XREFs found at:
X-Trac [G:\Jobs\96100\CONPLANS_2007\X-TRAC.dwg]

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	28
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

STAGE I CONSTRUCTION NOTES

1. ILES AVENUE AND ALL SIDE STREETS SHALL REMAIN OPEN TO ALL TRAFFIC DURING CONSTRUCTION.
2. COORDINATE UTILITY ADJUSTMENTS AND RELOCATION WITH APPROPRIATE UTILITY PRIOR TO INITIATING CONSTRUCTION.
3. CONSTRUCT SUB-BASE GRANULAR MATERIAL, TYPE A 12" BETWEEN EXISTING PAVEMENT AND THE NORTH LIMITS OF THE PROPOSED PAVEMENT FROM STA. 460+49 TO STA. 468+25 AND BETWEEN THE EXISTING PAVEMENT AND THE SOUTH LIMITS OF THE PROPOSED PAVEMENT FROM STA. 475+00 TO STA. 491+90. MAINTAIN TRAFFIC ON THE EXISTING ROADWAY DURING THIS PHASE.
4. CONSTRUCT AN AGGREGATE TAPER FROM STA. 468+25 24 FEET WIDE TO STA. 471+62.50 1 FOOT WIDE ON THE NORTH SIDE OF THE EXISTING PAVEMENT TO MATCH TOP ELEVATION OF THE EXISTING PAVEMENT. CONSTRUCT AN AGGREGATE RAMP FROM STA. 467+25 TO STA. 468+25 24 FEET WIDE ON THE NORTH SIDE OF THE EXISTING PAVEMENT. CONSTRUCT AN AGGREGATE TAPER FROM STA. 471+62.5 1 FEET WIDE TO STA. 475+00 24 FOOT WIDE ON THE SOUTH SIDE OF THE EXISTING PAVEMENT TO MATCH TOP ELEVATION OF THE EXISTING PAVEMENT. CONSTRUCT AN AGGREGATE RAMP FROM STA. 475+00 TO STA. 476+00 24 FEET WIDE ON THE SOUTH SIDE OF THE EXISTING PAVEMENT.
5. ALL IMPROVEMENTS TO ILES AVENUE DURING THIS STAGE SHALL BE COMPLETED UTILIZING THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION STANDARDS.

STAGE II CONSTRUCTION NOTES

1. ILES AVENUE AND ALL SIDE STREETS SHALL REMAIN OPEN TO ALL TRAFFIC DURING CONSTRUCTION.
2. COORDINATE UTILITY ADJUSTMENTS AND RELOCATION WITH APPROPRIATE UTILITY PRIOR TO INITIATING CONSTRUCTION.
3. CONSTRUCT TEMPORARY CONNECTION AT BEGINNING OF PROJECT TO CONNECT EXISTING PAVEMENT TO NEW SUB-BASE GRANULAR MATERIAL, TYPE A 12" ON THE NORTH SIDE OF THE EXISTING PAVEMENT.
4. INSTALL TEMPORARY PAVEMENT MARKING AS SHOWN ON THE STAGE II TRAFFIC CONTROL DRAWING AND DIRECTION OF THE ENGINEER.
5. INSTALL ALL REQUIRED TRAFFIC CONTROL DEVICES PER THE STAGE II TRAFFIC CONTROL DRAWING AND BY DIRECTION OF THE ENGINEER.
6. OPEN THE CONSTRUCTED LANES TO TRAFFIC.
7. CONSTRUCT HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10", PCC CURB AND GUTTER AND ALL STORM SEWER RELATED ITEMS FROM STA. 460+49 TO STA. 468+25 ON THE SOUTH SIDE OF THE EXISTING PAVEMENT AND FROM STA. 476+00 TO STA. 491+90 ON THE NORTH SIDE OF THE EXISTING PAVEMENT.
8. ALL IMPROVEMENTS TO ILES AVENUE DURING THIS STAGE SHALL BE COMPLETED UTILIZING THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION STANDARDS.

STAGE III CONSTRUCTION NOTES

1. ILES AVENUE AND ALL SIDE STREETS SHALL REMAIN OPEN TO ALL TRAFFIC DURING CONSTRUCTION.
2. COORDINATE UTILITY ADJUSTMENTS AND RELOCATION WITH APPROPRIATE UTILITY PRIOR TO INITIATING CONSTRUCTION.
3. INSTALL TEMPORARY PAVEMENT MARKING AS SHOWN ON THE STAGE III TRAFFIC CONTROL DRAWING AND BY DIRECTION OF THE ENGINEER.
4. INSTALL ALL REQUIRED TRAFFIC CONTROL DEVICES PER THE STAGE III TRAFFIC CONTROL DRAWING AND BY DIRECTION OF THE ENGINEER.
5. OPEN THE CONSTRUCTED LANES TO TRAFFIC.
6. CONSTRUCT HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10", PCC CURB AND GUTTER AND ALL STORM SEWER RELATED ITEMS FROM STA. 460+49 TO STA. 468+25 ON THE NORTH SIDE OF THE COMPLETED PAVEMENT AND FROM STA. 475+00 TO STA. 491+90 ON THE SOUTH SIDE OF THE COMPLETED PAVEMENT.
7. ALL IMPROVEMENTS TO ILES AVENUE DURING THIS STAGE SHALL BE COMPLETED UTILIZING THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION STANDARDS.

STAGE VI CONSTRUCTION NOTES

1. ILES AVENUE AND ALL SIDE STREETS SHALL REMAIN OPEN TO ALL TRAFFIC DURING CONSTRUCTION.
2. COORDINATE UTILITY ADJUSTMENTS AND RELOCATION WITH APPROPRIATE UTILITY PRIOR TO INITIATING CONSTRUCTION.
3. CONSTRUCT TEMPORARY AGGREGATE PAVEMENT FROM STA.468+25 TO STA. 475+00 ON THE SOUTH SIDE OF THE EXISTING PAVEMENT TO THE SAME GRADE AS THE EXISTING PAVEMENT.
4. INSTALL TEMPORARY PAVEMENT MARKING AS SHOWN ON THE STAGE IV TRAFFIC CONTROL DRAWING AND BY DIRECTION OF THE ENGINEER.
5. INSTALL ALL REQUIRED TRAFFIC CONTROL DEVICES PER THE STAGE IV TRAFFIC CONTROL DRAWING AND BY DIRECTION OF THE ENGINEER.
6. OPEN THE TEMPORARILY CONSTRUCTED LANES TO TRAFFIC AS SHOWN ON THE STAGE IV TRAFFIC CONTROL DRAWING AND BY DIRECTION OF THE ENGINEER.
7. CONSTRUCT HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10", PCC CURB AND GUTTER AND ALL STORM SEWER RELATED ITEMS FROM STA. 468+25 TO STA. 475+00 ON THE NORTH SIDE OF THE EXISTING PAVEMENT.
8. ALL IMPROVEMENTS TO ILES AVENUE DURING THIS STAGE SHALL BE COMPLETED UTILIZING THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION STANDARDS.

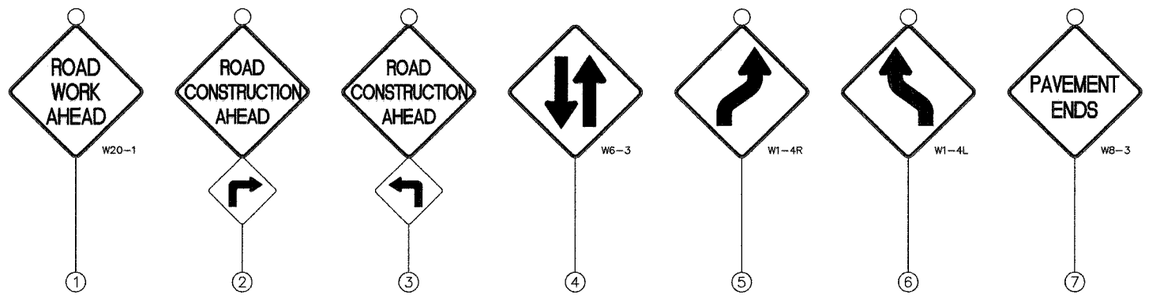
STAGE V CONSTRUCTION NOTES

1. ILES AVENUE AND ALL SIDE STREETS SHALL REMAIN OPEN TO ALL TRAFFIC DURING CONSTRUCTION.
2. COORDINATE UTILITY ADJUSTMENTS AND RELOCATION WITH APPROPRIATE UTILITY PRIOR TO INITIATING CONSTRUCTION.
3. INSTALL TEMPORARY PAVEMENT MARKING AS SHOWN ON THE STAGE V TRAFFIC CONTROL DRAWING AND BY DIRECTION OF THE ENGINEER.
4. INSTALL ALL REQUIRED TRAFFIC CONTROL DEVICES PER THE STAGE V TRAFFIC CONTROL DRAWING AND BY DIRECTION OF THE ENGINEER.
5. OPEN THE CONSTRUCTED LANES TO TRAFFIC.
6. CONSTRUCT HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10", PCC CURB AND GUTTER AND ALL STORM SEWER RELATED ITEMS FROM STA. 468+25 TO STA. 475+00 ON THE SOUTH SIDE OF THE EXISTING PAVEMENT.
7. ALL IMPROVEMENTS TO ILES AVENUE DURING THIS STAGE SHALL BE COMPLETED UTILIZING THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION STANDARDS.

STAGE VI CONSTRUCTION NOTES

1. ILES AVENUE AND ALL SIDE STREETS SHALL REMAIN OPEN TO ALL TRAFFIC DURING CONSTRUCTION.
2. COORDINATE UTILITY ADJUSTMENTS AND RELOCATION WITH APPROPRIATE UTILITY PRIOR TO INITIATING CONSTRUCTION.
3. INSTALL PAVEMENT MARKINGS AS SHOWN ON THE PAVEMENT MARKING DETAILS DRAWING AND BY DIRECTION OF THE ENGINEER.
4. OPEN THE CONSTRUCTED LANES TO TRAFFIC.
5. COMPLETE ALL OTHER CONSTRUCTION ITEMS AS REQUIRED TO COMPLETE THE PROJECT.
6. ALL IMPROVEMENTS TO ILES AVENUE DURING THIS STAGE SHALL BE COMPLETED UTILIZING THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION STANDARDS.

SIGN LEGEND



NO.	DATE	REVISION	BY

SHEET TITLE: TRAFFIC CONTROL NOTES AND DETAILS

PROJECT: ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 1'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-TRAF-R1
DRAWING NO. 28

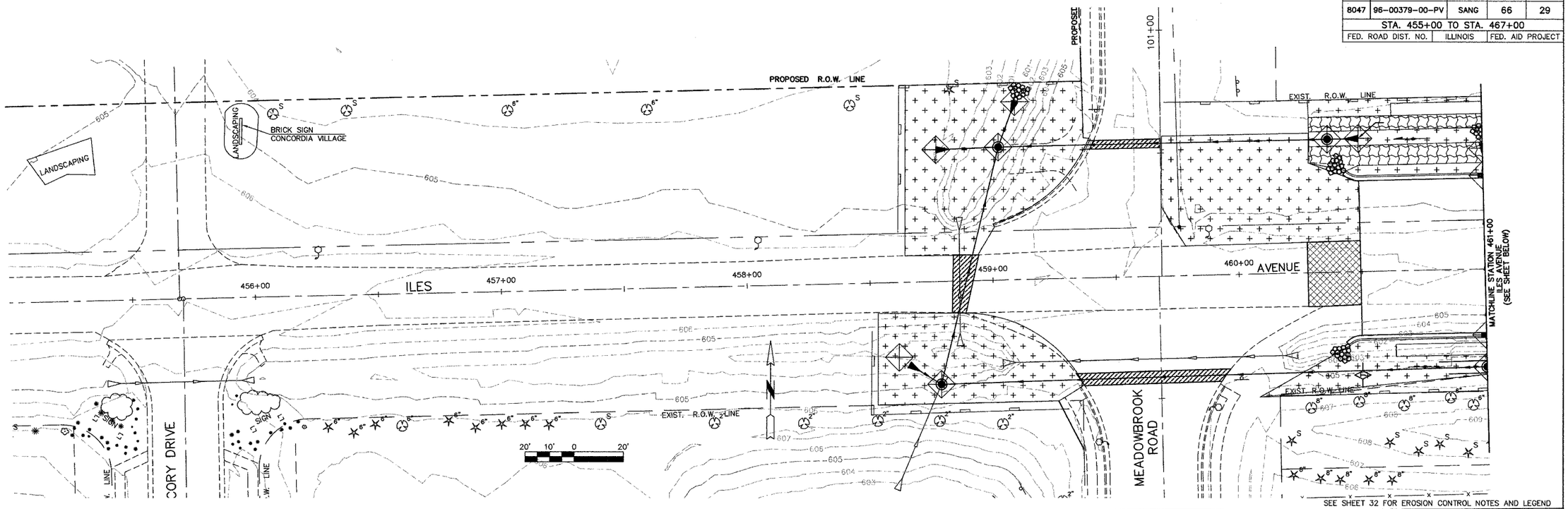
MEC MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002843)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8922, E-Mail : mecinoil@martinengineeringco.com

OF 66 SHTS

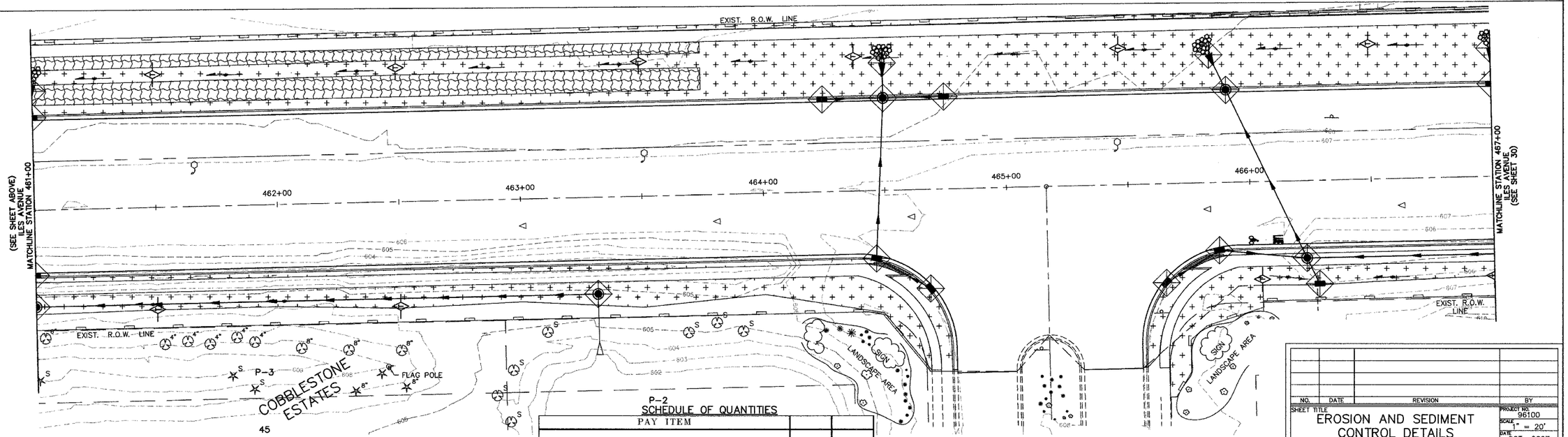
Attached Xref(s) found at : X-TBLK [G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg]

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	29
STA. 455+00 TO STA. 467+00				
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	



SEE SHEET 32 FOR EROSION CONTROL NOTES AND LEGEND



P-2
SCHEDULE OF QUANTITIES

PAY ITEM		
EROSION CONTROL BLANKET	SQ YD	531
TEMPORARY DITCH CHECKS	EACH	10
PERIMETER EROSION BARRIER	FOOT	1607
INLET AND PIPE PROTECTION	EACH	24

NO.	DATE	REVISION	BY

SHEET TITLE
EROSION AND SEDIMENT CONTROL DETAILS

PROJECT
ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 20'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-SWPP
DRAWING NO. 29
OF 66 SHTS

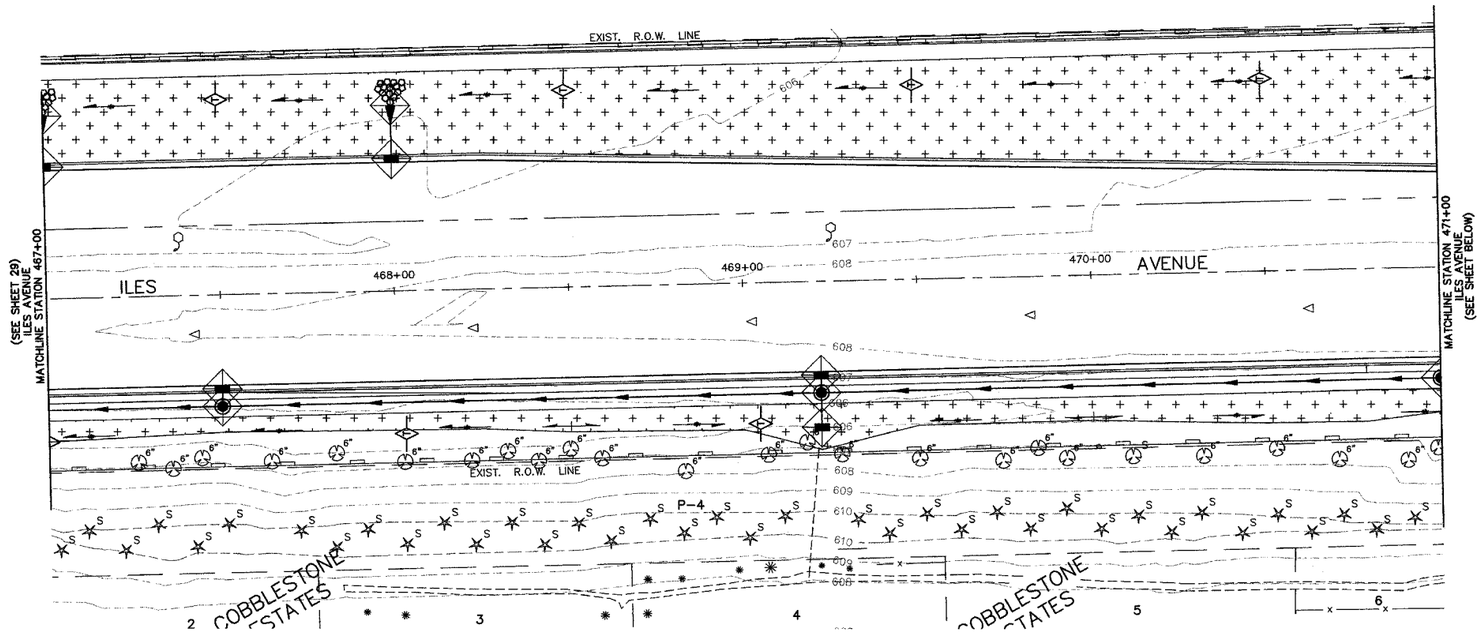
MEC
MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002643)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8500, Fax : (217) 698-8222, E-Mail : mecmail@martinengineeringco.com

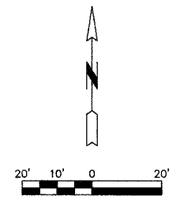
Attached Ref's found at :
X-REF (G:\jobs\96100\CONPLANS_2007\T-TBLK.dwg)
X-BASE (G:\jobs\96100\CONPLANS_2007\X-BASE.dwg)

G:\jobs\96100\CONPLANS_2007\C-SWPP.dwg, 455+00 - 467+00, 3/21/2008 9:47 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	30
STA. 467+00 TO STA. 477+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





SCHEDULE OF QUANTITIES

PAY ITEM		
TEMPORARY DITCH CHECKS	EACH	15
PERIMETER EROSION BARRIER	FOOT	1924
INLET AND PIPE PROTECTION	EACH	20

SEE SHEET 32 FOR EROSION CONTROL NOTES AND LEGEND

NO.	DATE	REVISION	BY

SHEET TITLE
EROSION AND SEDIMENT CONTROL DETAILS

PROJECT
ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 20'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-SWPP
DRAWING NO. 30
OF 66 SHTS

MEC
MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002643)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8922, E-Mail : mecmail@martinengineeringco.com

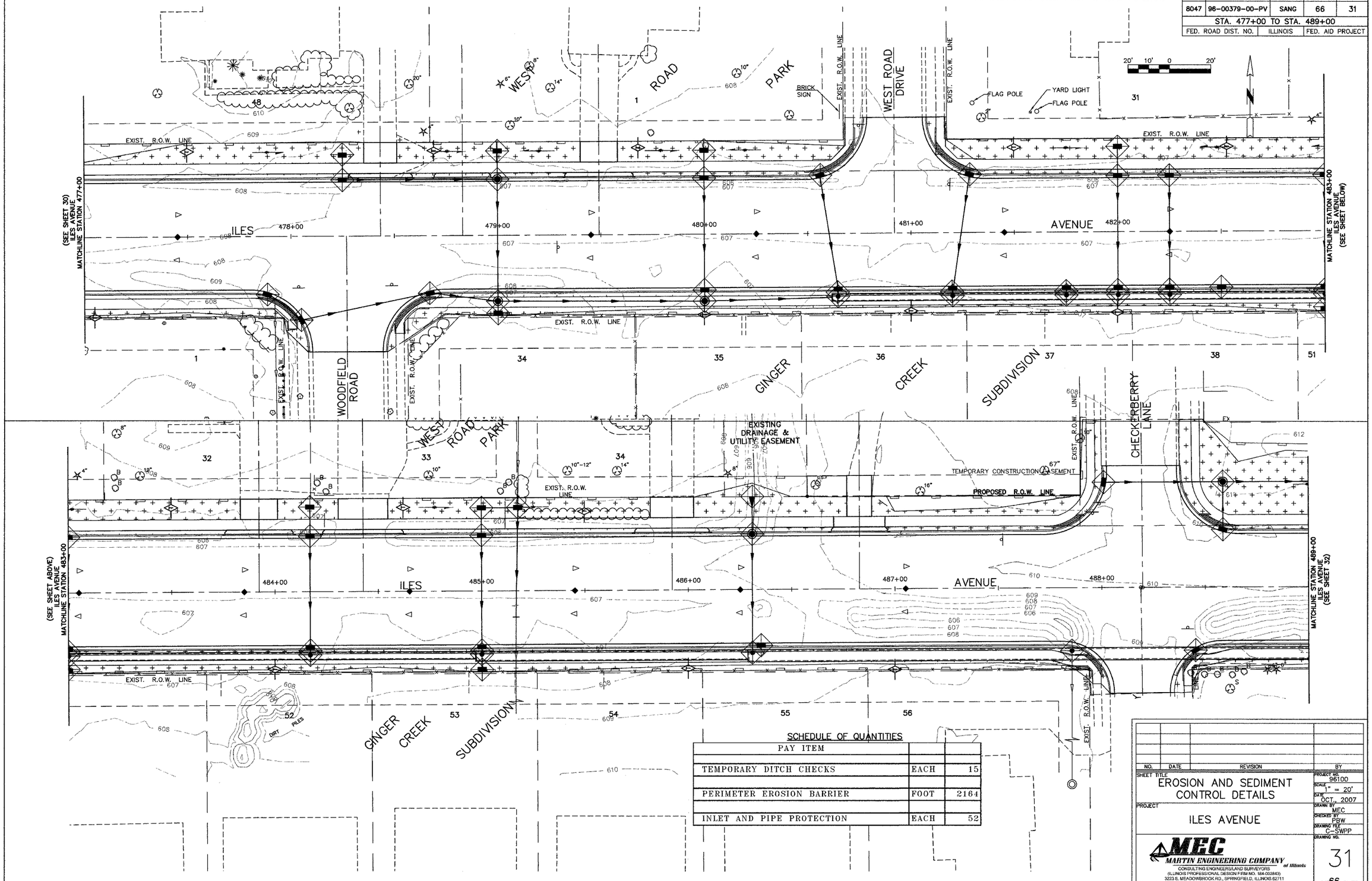
Attached Xref(s) found at :
X - Base [G:\Jobs\96100\CONPLANS_2007\X-TBLK.dwg]
X - Base [G:\Jobs\96100\CONPLANS_2007\X-BASE.dwg]

G:\jobs\96100\CONPLANS_2007\C-SWPP.dwg, 467+00 - 477+00, 3/21/2008 9:47 AM, RPOTTS, 1:1

93464

SEE SHEET 32 FOR EROSION CONTROL NOTES AND LEGEND

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	31
STA. 477+00 TO STA. 489+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SCHEDULE OF QUANTITIES

PAY ITEM		
TEMPORARY DITCH CHECKS	EACH	15
PERIMETER EROSION BARRIER	FOOT	2164
INLET AND PIPE PROTECTION	EACH	52

NO.	DATE	REVISION	BY

SHEET TITLE
EROSION AND SEDIMENT CONTROL DETAILS

PROJECT
ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 20'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-SWPP
DRAWING NO. 31
OF 66 SHTS

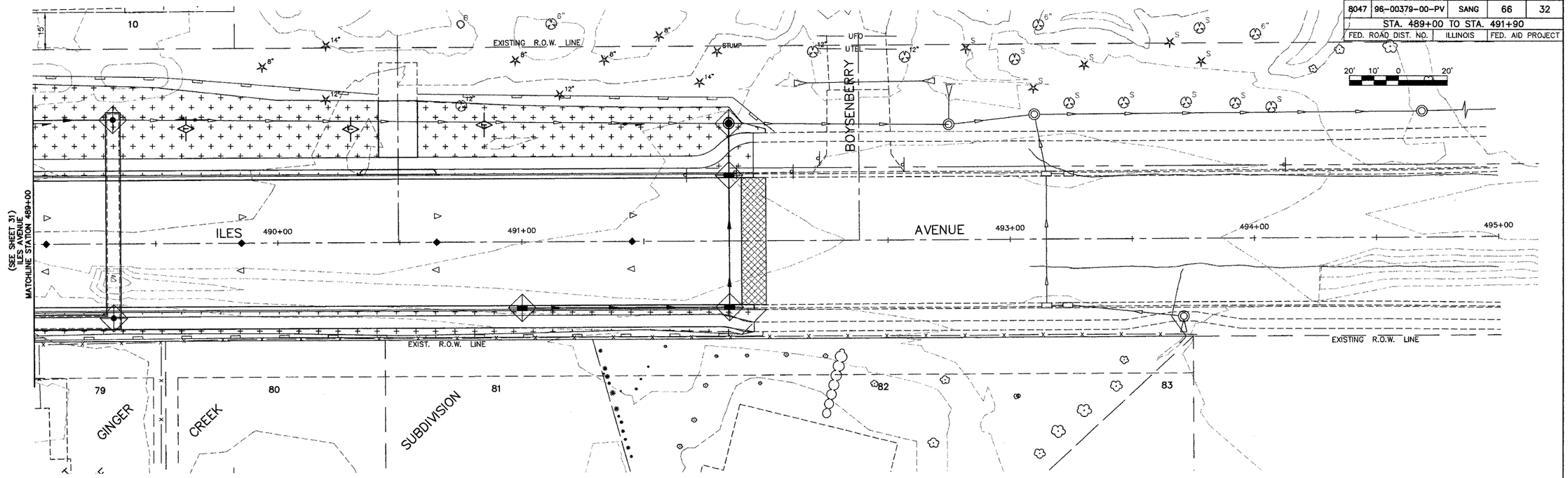
MEC MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002843)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8922, E-Mail : mecmail@martinengineeringco.com

Attached Sheet(s) found at :
X:_BASE (S:\Jobs\96100\CONPLANS_2007\X-_BASE.dwg)
X:_BASE (S:\Jobs\96100\CONPLANS_2007\X-_BASE.dwg)

G:\jobs\96100\CONPLANS_2007\C-SWPP.dwg, 477+00 - 489+00, 3/21/2008 9:47 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	32
STA. 489+00 TO STA. 491+90				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SCHEDULE OF QUANTITIES

PAY ITEM		
TEMPORARY DITCH CHECKS	EACH	3
PERIMETER EROSION BARRIER	FOOT	593
INLET AND PIPE PROTECTION	EACH	6

GENERAL NOTES

1. ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON THIS SHEET, ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER.

SEEDING NOTES

1. SEEDING, CLASS 2 SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 250 OF THE "STANDARD SPECIFICATIONS".
2. SEEDING MIXTURES SHALL CONFORM TO TABLE 1 – ARTICLE 250.07 OF THE "STANDARD SPECIFICATIONS".
3. FERTILIZER NUTRIENTS, AGRICULTURAL GROUND LIME STONE AND MULCH SHALL BE APPLIED TO ALL AREAS TO BE SEEDED.
4. FERTILIZER NUTRIENTS SHALL BE APPLIED AT THE RATE OF 270 POUNDS PER ACRE; AT THE RATIO : 1:1:1 (90 POUNDS OF NITROGEN, 90 POUNDS OF OF PHOSPHORUS AND 90 POUNDS OF POTASSIUM).
5. AGRICULTURAL GROUND LIMESTONE IS TO BE APPLIED AT THE RATE OF 2 TONS PER ACRE.
6. MULCH, IN ACCORDANCE WITH METHOD 3 OF SECTION 251.03 OF THE "STANDARD SPECIFICATIONS", IS TO BE APPLIED AT THE RATE OF 2 TONS PER ACRE.

LEGEND FOR STORM WATER POLLUTION PREVENTION PLAN

ITEM	SYMBOL
TEMPORARY DITCH CHECKS (IDOT STANDARD NO. 280001)	
PERIMETER EROSION BARRIER – SILT FENCE (IDOT STANDARD NO. 280001)	
DIRECTION OF OVERLAND FLOW	
INLET CONTROL (SEE INLET AND PIPE PROTECTION (IDOT STANDARD NO. 280001)(HAY OR STRAW BALE OR APPROVED SUBSTITUTION)	
SEEDING CLASS 2A	
EROSION CONTROL BLANKET	

NO.	DATE	REVISION	BY

SHEET TITLE: EROSION AND SEDIMENT CONTROL DETAILS

PROJECT: ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 20'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-SWPP
DRAWING NO. 32

MEC
MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002843)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8922, E-Mail : mecmail@martinengineeringco.com

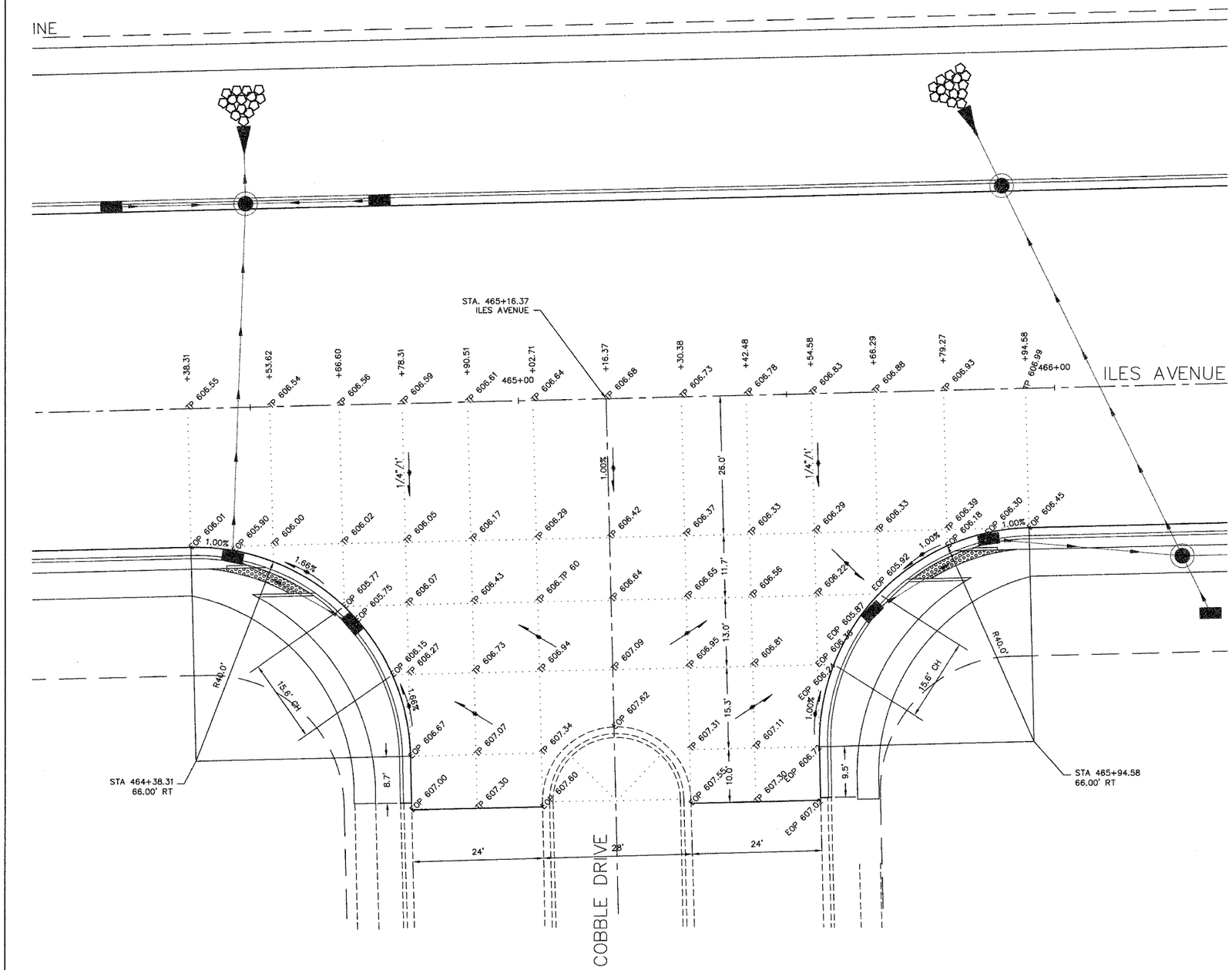
OF 66 SHTS

Attached Ref(s) found at :
X-REF (S:\Jobs\96100\CONPLANS_2007\X-REF.dwg)
X-BASE (S:\Jobs\96100\CONPLANS_2007\X-BASE.dwg)

G:\jobs\96100\CONPLANS_2007\C-SWPP.dwg, 489+00 – 491+90, 3/21/2008 9:47 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	33
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



10' 5' 0 10'

LEGEND

TP – TOP OF PAVEMENT

EOP – EDGE OF PAVEMENT

NOTES

1) ALL SPOT ELEVATIONS AND DIMENSIONS THAT REFER TO CURBING REFERENCE THE FACE OF THE CURB (EOP), UNLESS OTHERWISE NOTED.

NO.	DATE	REVISION	BY

SHEET TITLE: INTERSECTION DETAILS COBBLE DRIVE

PROJECT: ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 10'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-INTR
DRAWING NO. 33 OF 66 SHTS

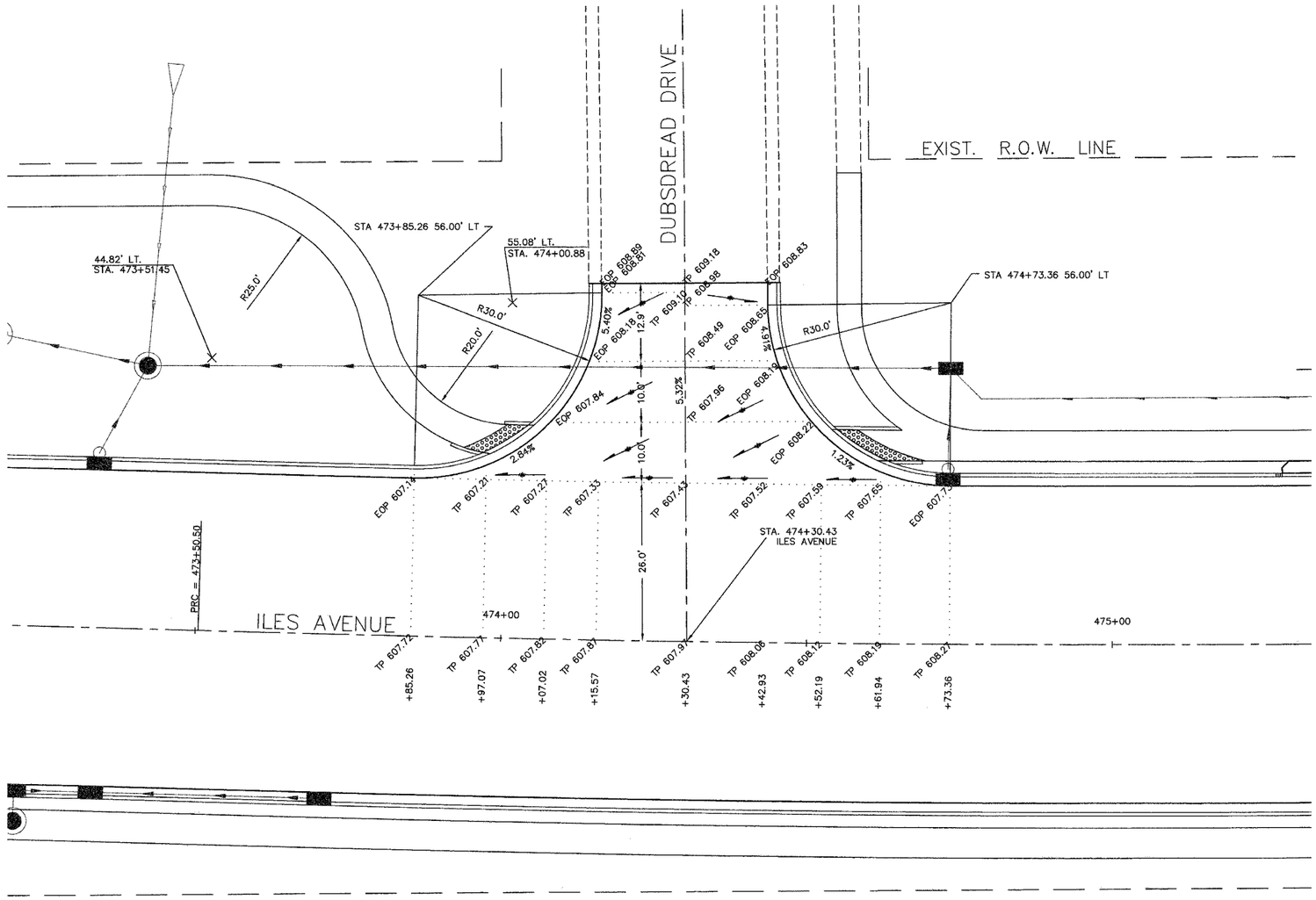
MEC MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002843)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8922, E-Mail : mecmail@martinengineeringco.com

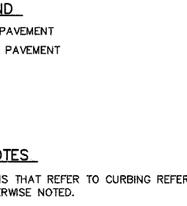
Attached Xref(s) found at :
X-BASE (G:\jobs\96100\CONPLANS_2007\X-BASE.dwg)
X-TBASE (G:\jobs\96100\CONPLANS_2007\X-TBASE.dwg)

G:\jobs\96100\CONPLANS_2007\C-INTR.dwg, COBBLE, 3/21/2008 9:47 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	34
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





LEGEND

TP – TOP OF PAVEMENT

EOP – EDGE OF PAVEMENT

NOTES

1) ALL SPOT ELEVATIONS AND DIMENSIONS THAT REFER TO CURBING REFERENCE THE FACE OF THE CURB (EOP), UNLESS OTHERWISE NOTED.

NO.	DATE	REVISION	BY

SHEET TITLE: INTERSECTION DETAILS DUBSDREAD DRIVE

PROJECT: ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 10'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-INTR
DRAWING NO. 34 OF 66 SHTS

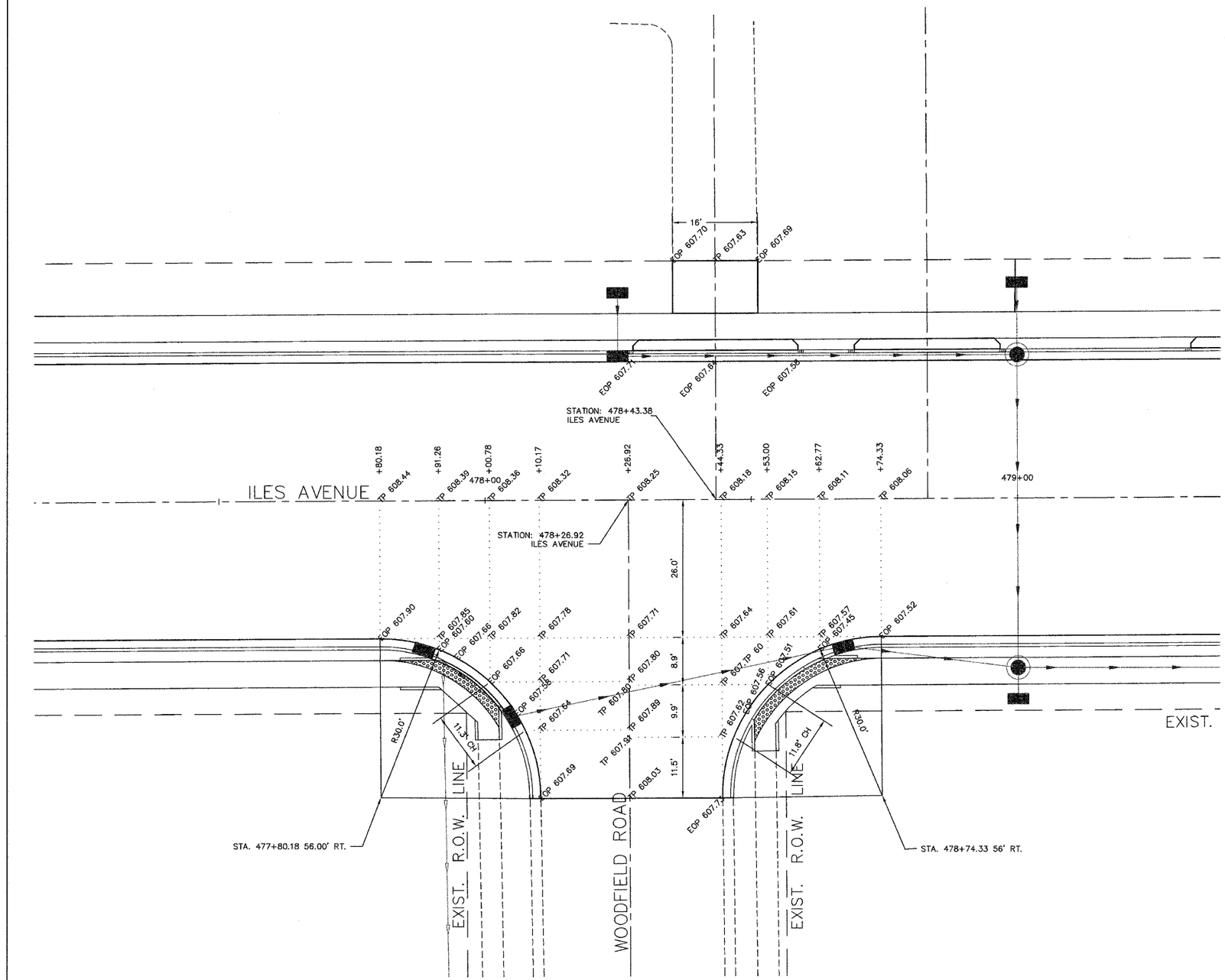
MEC MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS AND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002843)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8922, E-Mail : mecmail@martinengineeringco.com

Attached Xref(s) found at :
X-Base [G:\jobs\96100\CONPLANS_2007\X-BASE.dwg]

G:\jobs\96100\CONPLANS_2007\C-INTR.dwg, DUBSDREAD, 3/21/2008 9:48 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	35
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



10' 5' 0 10'

LEGEND

TP – TOP OF PAVEMENT

EOP – EDGE OF PAVEMENT

NOTES

1) ALL SPOT ELEVATIONS AND DIMENSIONS THAT REFER TO CURBING REFERENCE THE FACE OF THE CURB (EOP), UNLESS OTHERWISE NOTED.

NO.	DATE	REVISION	BY

SHEET TITLE: INTERSECTION DETAILS WOODFIELD ROAD

PROJECT: ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 10'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-INTR
DRAWING NO. 35 OF 66 SHTS

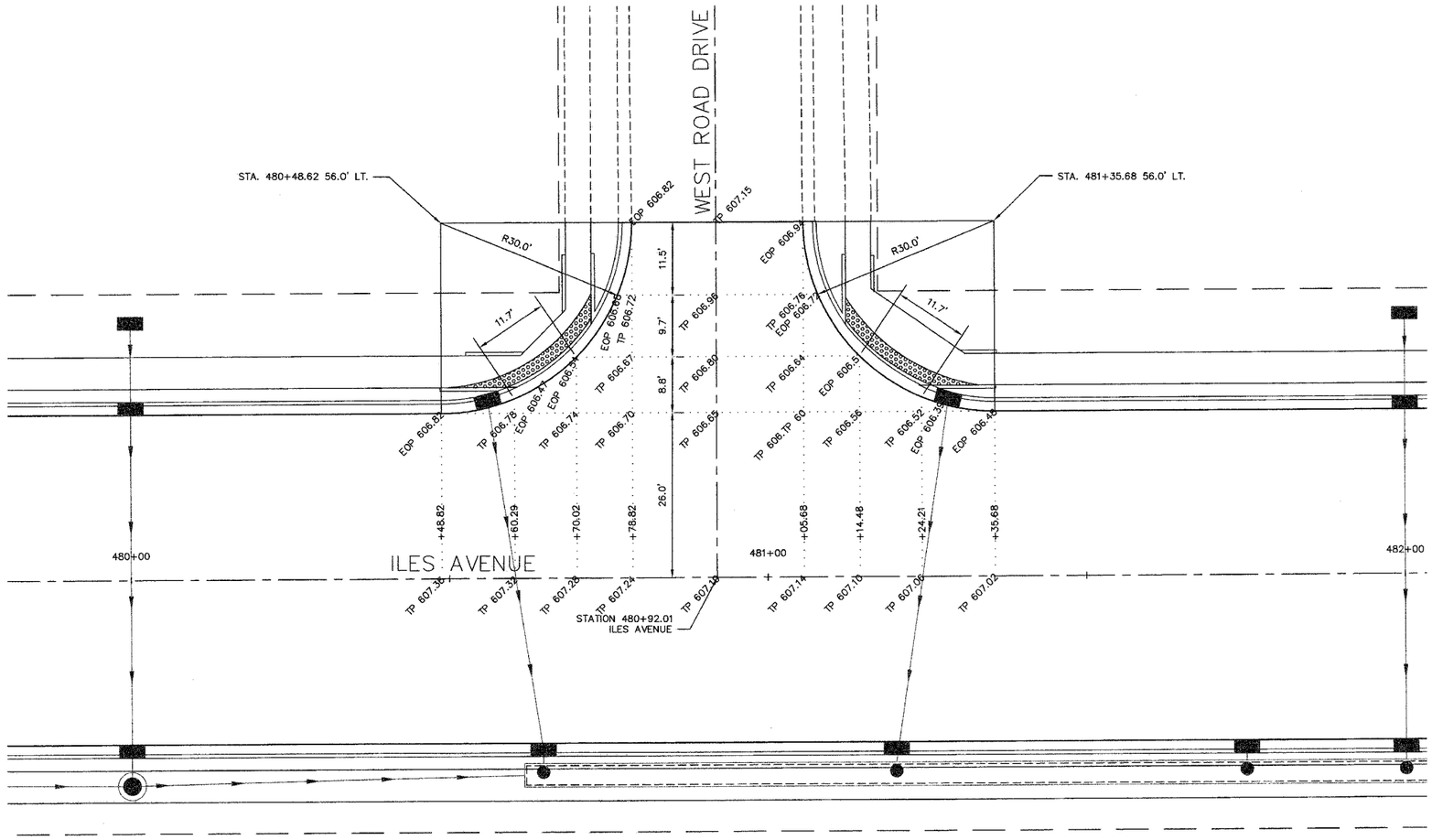
MEC MARTIN ENGINEERING COMPANY at Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002643)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8922, E-Mail : swcmail@martinengineeringco.com

Attached Xref(s) found at :
X-REF: G:\Jobs\96100\CONPLANS_2007\X-BASE.dwg
X-REF: G:\Jobs\96100\CONPLANS_2007\X-BASE.dwg

G:\jobs\96100\CONPLANS_2007\C-INTR.dwg, WOODFIELD, 3/21/2008 9:48 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	36
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



10' 5' 0 10'

LEGEND

TP – TOP OF PAVEMENT

EOP – EDGE OF PAVEMENT

NOTES

1) ALL SPOT ELEVATIONS AND DIMENSIONS THAT REFER TO CURBING REFERENCE THE FACE OF THE CURB (EOP), UNLESS OTHERWISE NOTED.

NO.	DATE	REVISION	BY

SHEET TITLE: INTERSECTION DETAILS WEST ROAD DRIVE

PROJECT: ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 10'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-INTR
DRAWING NO. 36 OF 66 SHTS

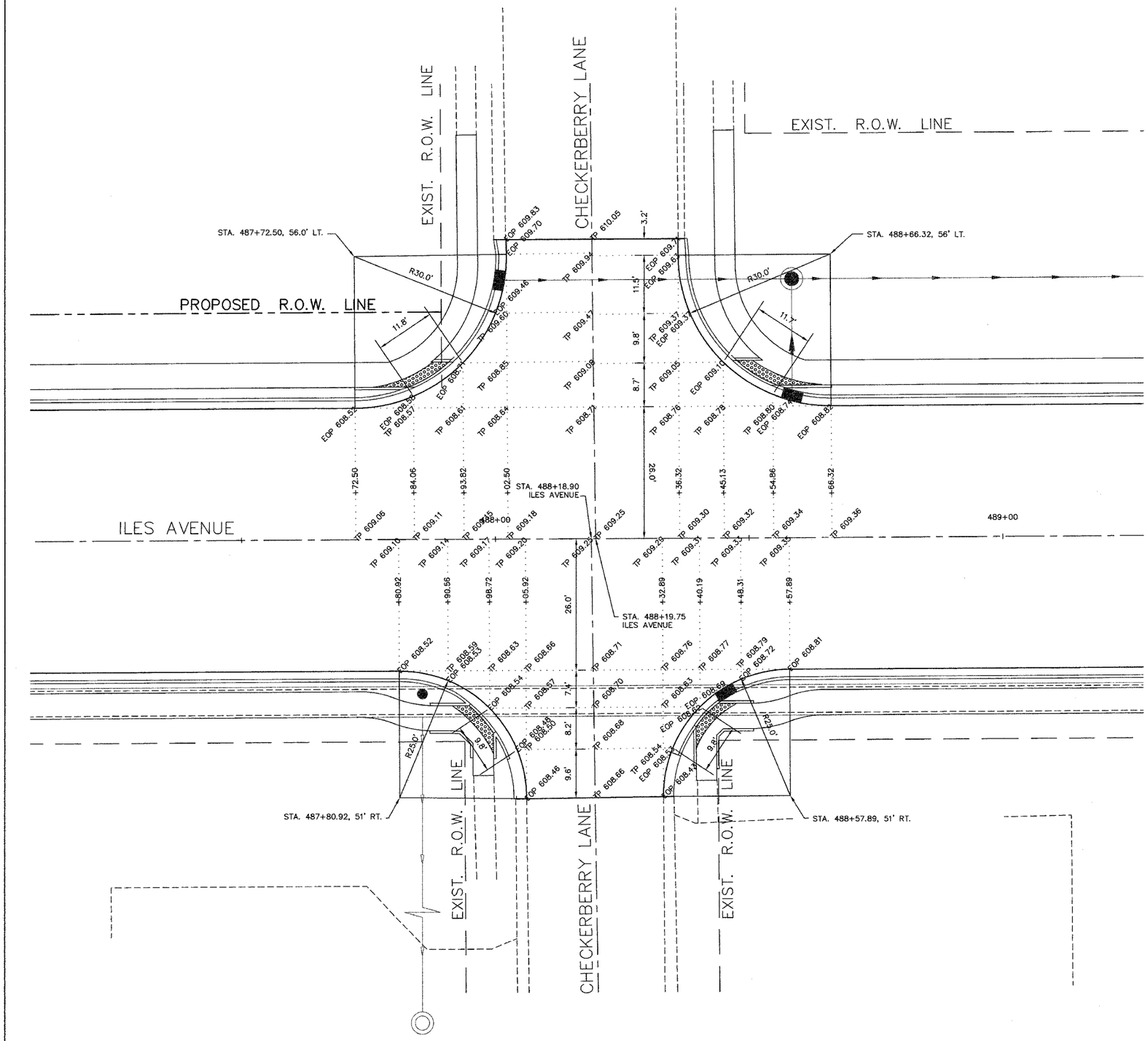
MEC MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002843)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8922, E-Mail : execmail@martinengineeringco.com

Attached Xref(s) found at :
X-REF (G:\jobs\96100\CONPLANS_2007\X-GRID.dwg)
X-REF (G:\jobs\96100\CONPLANS_2007\X-TREE.dwg)

G:\jobs\96100\CONPLANS_2007\C-INTR.dwg, WEST ROAD, 3/21/2008 9:48 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	37
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



10' 5' 0 10'

LEGEND

TP – TOP OF PAVEMENT

EOP – EDGE OF PAVEMENT

NOTES

1) ALL SPOT ELEVATIONS AND DIMENSIONS THAT REFER TO CURBING REFERENCE THE FACE OF THE CURB (EOP), UNLESS OTHERWISE NOTED.

NO.	DATE	REVISION	BY

SHEET TITLE: INTERSECTION DETAILS CHECKERBERRY LANE

PROJECT: ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 10'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-INTR
DRAWING NO. 37
OF 66 SHTS

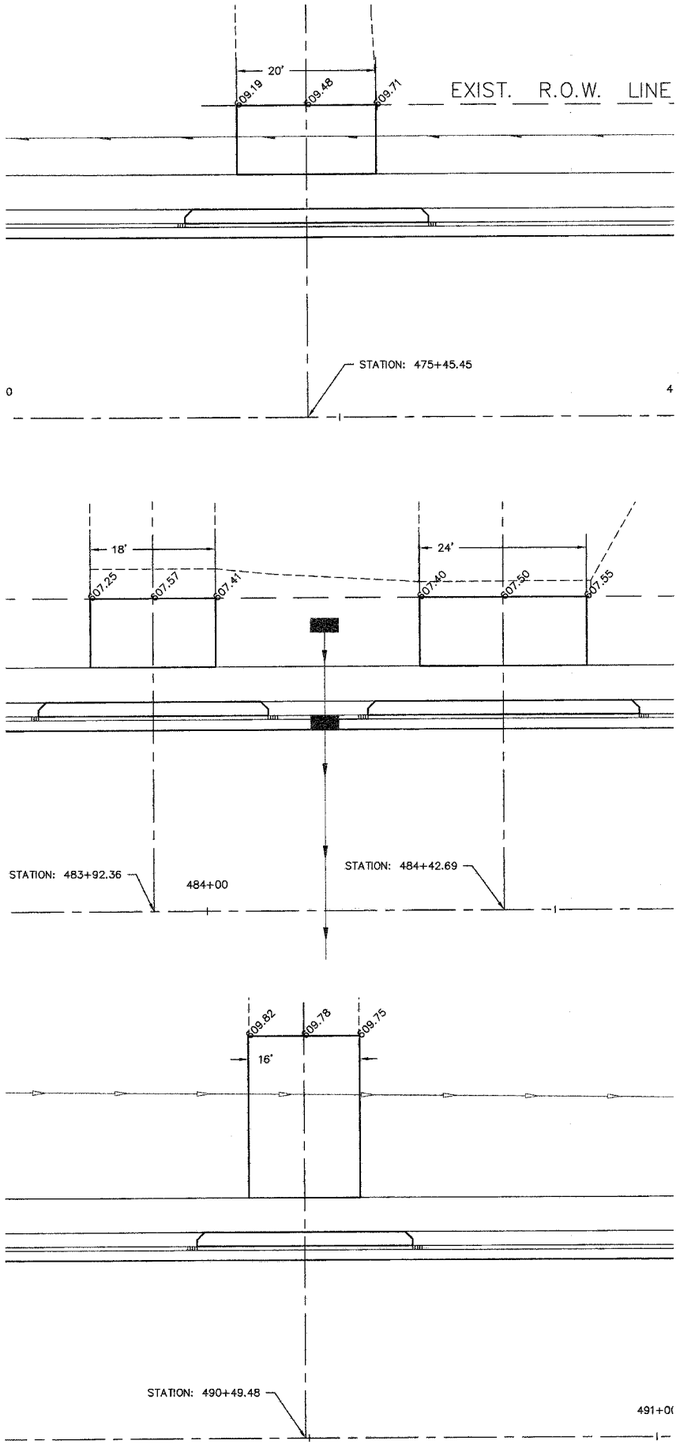
MEC MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS AND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002843)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8222, E-Mail : mecmail@martinengineeringco.com

Attached Xref(s) found at :
X-TRUE (G:\Jobs\96100\CONPLANS_2007\X-TRUE.dwg)
X-TRUE (G:\Jobs\96100\CONPLANS_2007\X-TRUE.dwg)

G:\Jobs\96100\CONPLANS_2007\C-INTR.dwg, CHECKERBERRY, 3/21/2008 9:48 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	38
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SEE TYPICAL DETAIL, SHEET 5

NO.	DATE	REVISION	BY

SHEET TITLE
INTERSECTION DETAILS
PRIVATE ENTRANCES

PROJECT
ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 10'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-INTR
DRAWING NO. 38

MEC
MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184.002843)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8922, E-Mail : mecmail@martinengineeringco.com

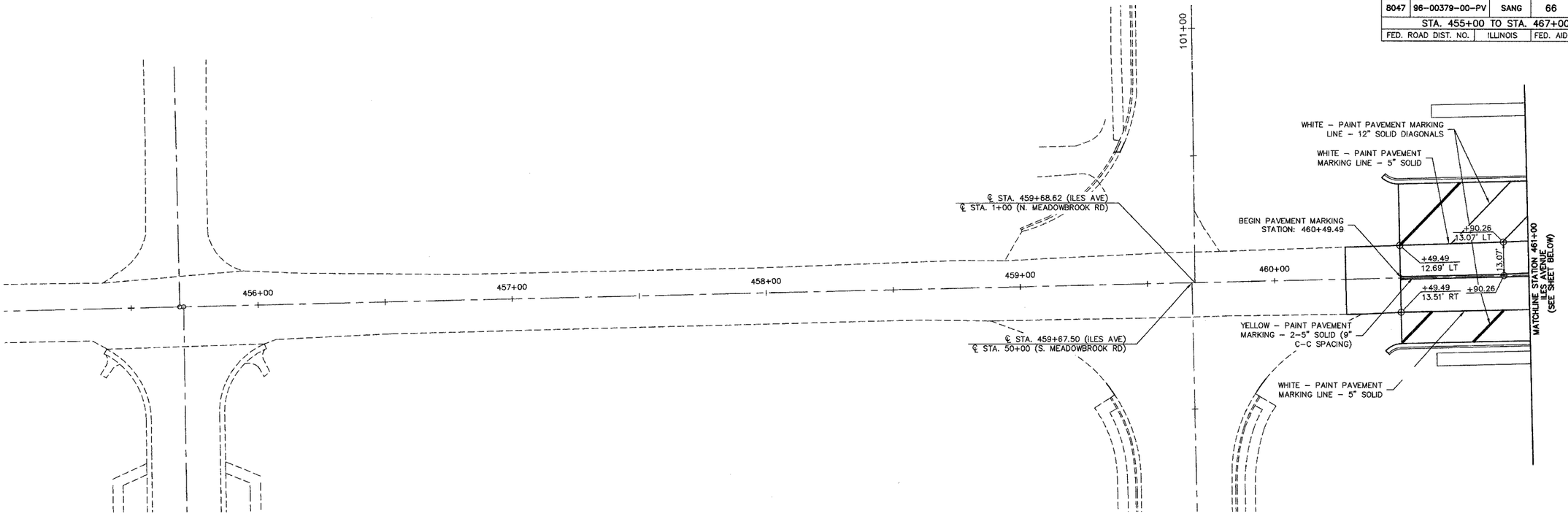
OF 66 SHTS

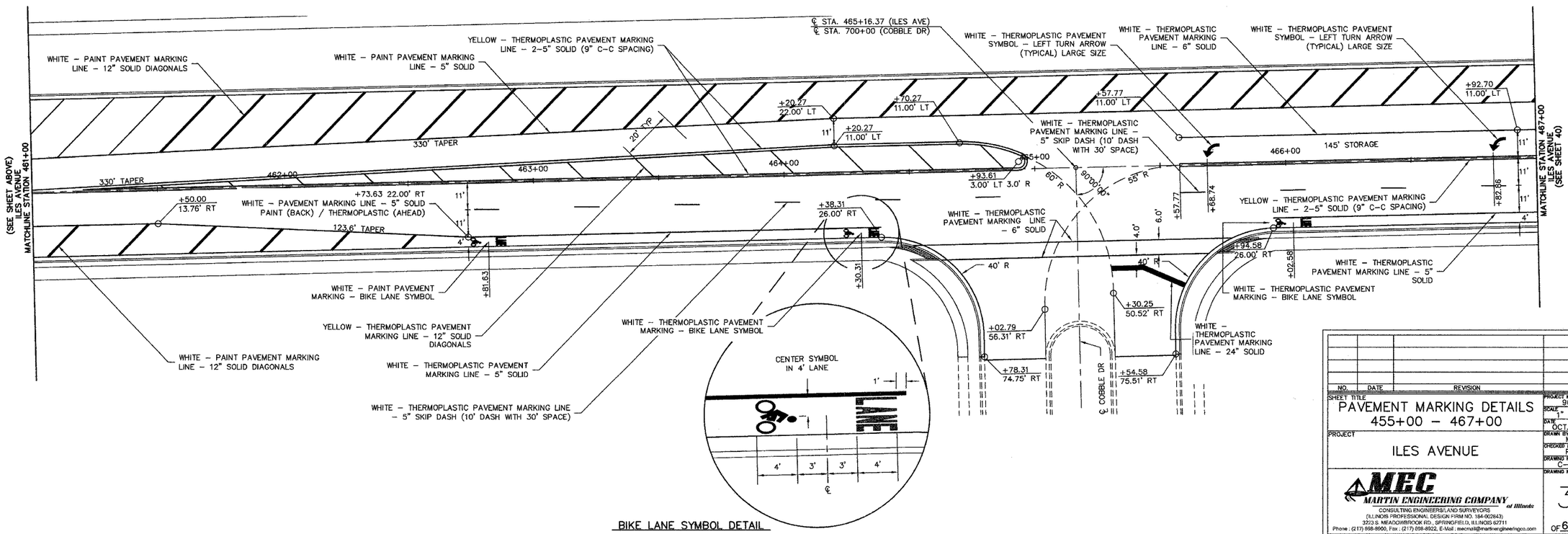
Attached Xref(s) found at :
X-BASE (G:\jobs\96100\CONPLANS_2007\X-BASE.dwg)
X-TBLE (G:\jobs\96100\CONPLANS_2007\X-TBLE.dwg)

G:\jobs\96100\CONPLANS_2007\C-INTR.dwg, DRIV, 3/21/2008 9:48 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	39
STA. 455+00 TO STA. 467+00				
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	





BIKE LANE SYMBOL DETAIL

NO.	DATE	REVISION	BY

SHEET TITLE
PAVEMENT MARKING DETAILS
455+00 – 467+00

PROJECT
ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 20'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-MRKG
DRAWING NO. 39

MEC MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002643)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8922, E-Mail : mecmail@martinengineeringco.com

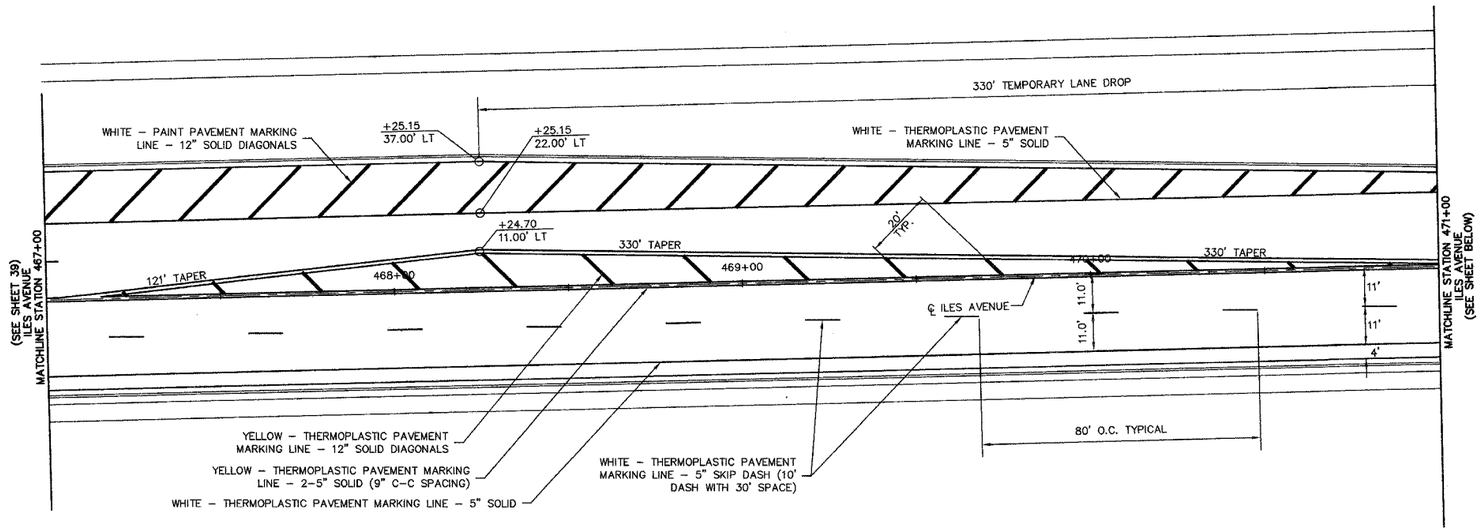
OF 66 SHTS

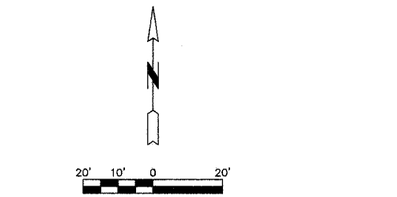
Attached Xref(s) found at :
X - BASE (G:\Jobs\96100\CONPLANS_2007\X-BASE.dwg)
X - BASE (G:\Jobs\96100\CONPLANS_2007\X-BASE.dwg)

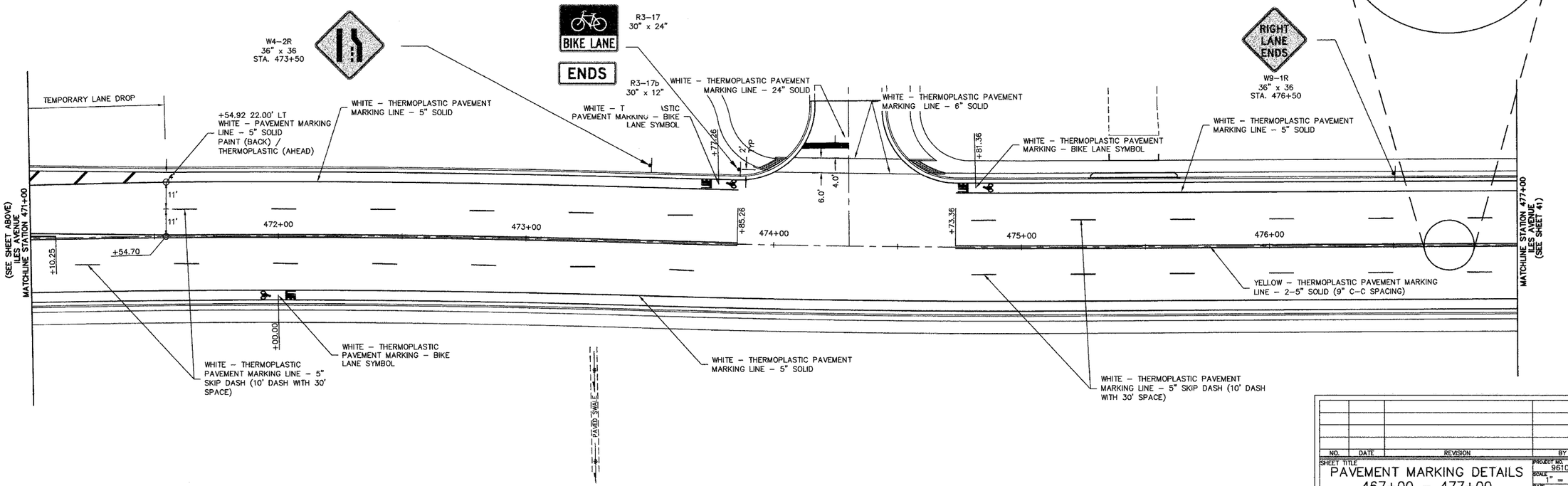
G:\Jobs\96100\CONPLANS_2007\C-MRKG.dwg, 455+00 – 467+00, 3/21/2008 9:53 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	40
STA. 467+00 TO STA. 477+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		







NO.	DATE	REVISION	BY

SHEET TITLE
PAVEMENT MARKING DETAILS
467+00 – 477+00

PROJECT
ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 20'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-MRKG
DRAWING NO. 40
OF 66 SHTS

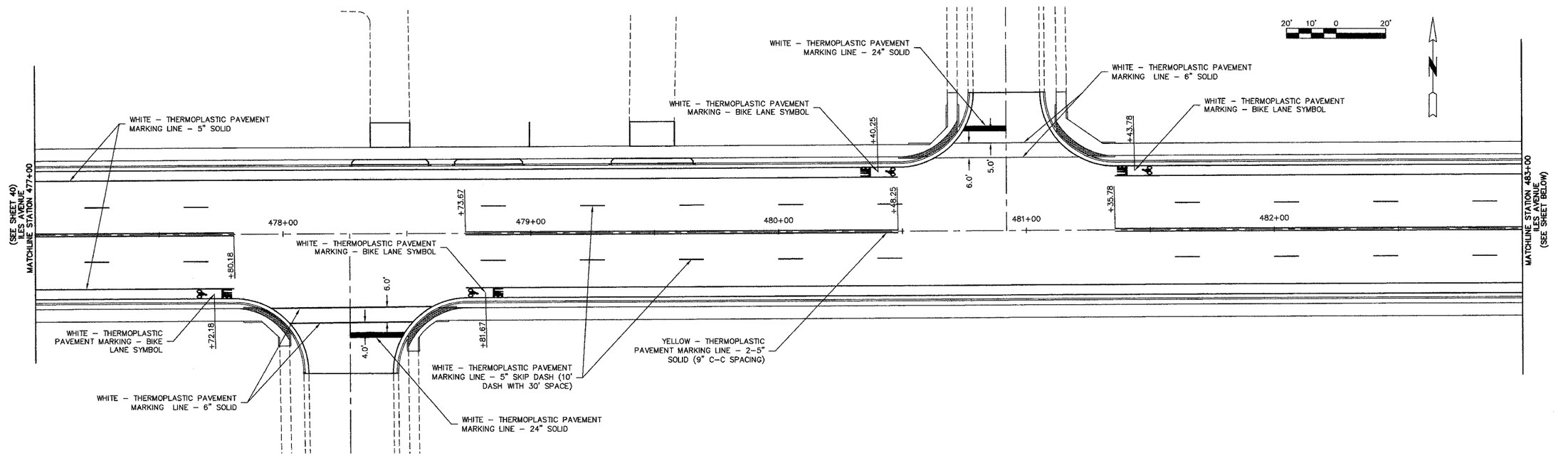
MEC MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002843)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 528-8500. Fax : (217) 528-9922. E-Mail : mecmail@martinengineeringco.com

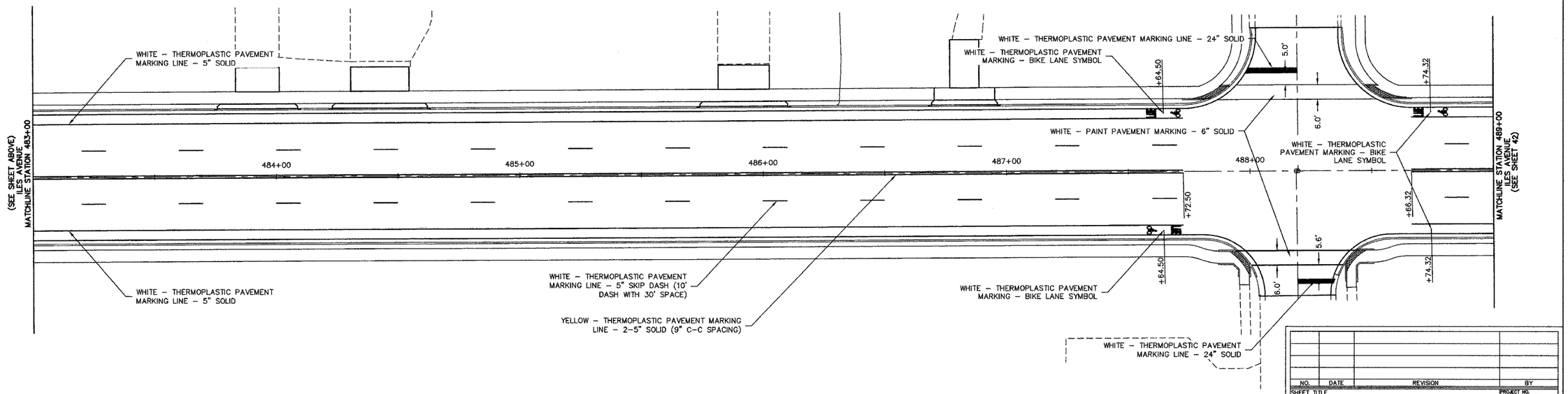
Attached Xref(s) found at :
X-REF [G:\Jobs\96100\CONPLANS_2007\X-REF.dwg]
X-REF [G:\Jobs\96100\CONPLANS_2007\X-REF2.dwg]

G:\Jobs\96100\CONPLANS_2007\C-MRKG.dwg, 467+00 – 477+00, 3/21/2008 9:53 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	41
STA. 477+00 TO STA. 489+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		





NO.	DATE	REVISION	BY

SHEET TITLE
PAVEMENT MARKING DETAILS 477+00 – 489+00

PROJECT
ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 20'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-MRKG
DRAWING NO. 41
OF 66 SHTS

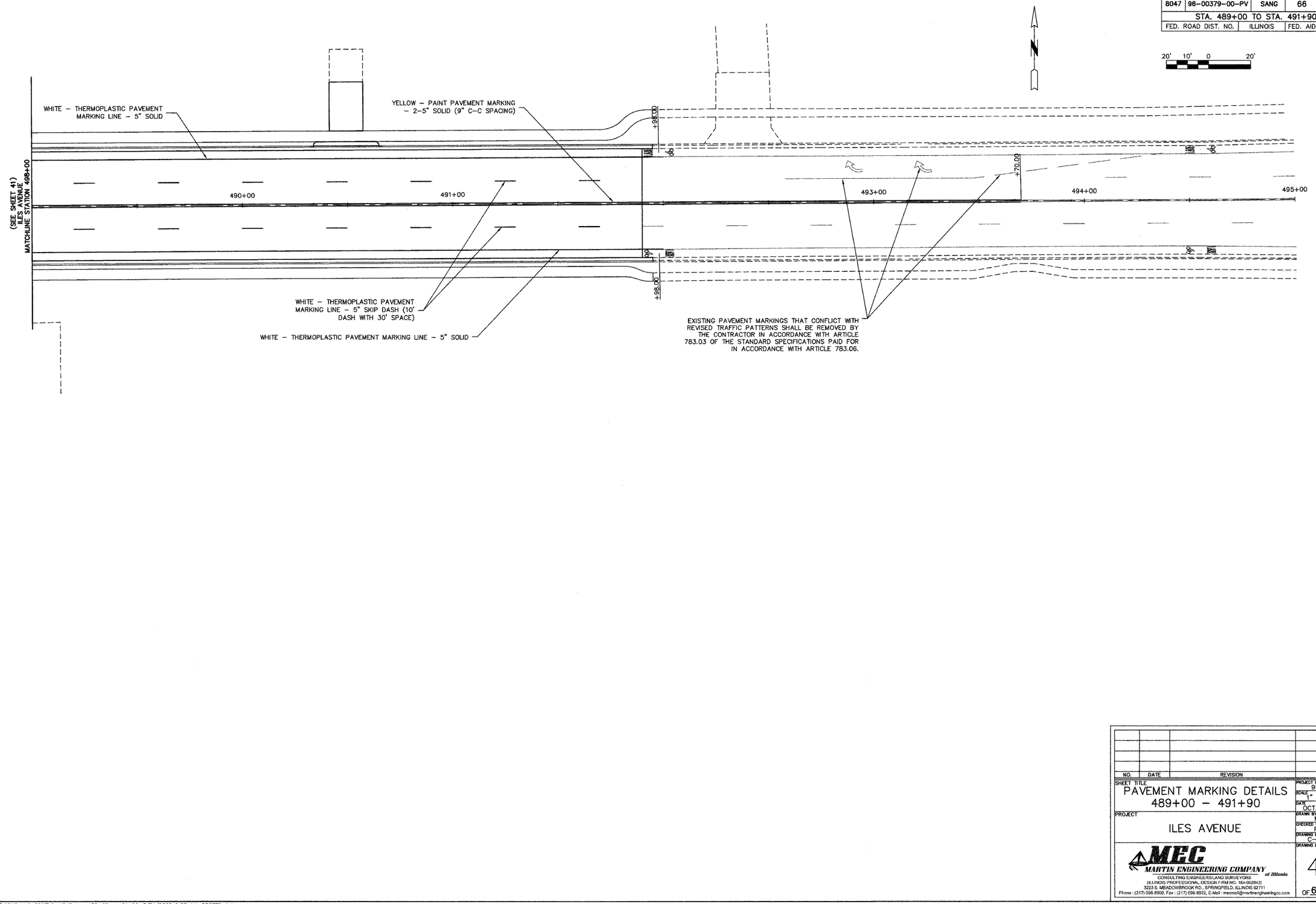
MEC
MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002843)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8822, E-Mail : mecmail@martinengineeringco.com

Attached Ref(s) found at :
X-REF [D:\Jobs\96100\CONPLANS_2007\C-TBLE.dwg]
X-REF [D:\Jobs\96100\CONPLANS_2007\C-TBLE.dwg]

G:\jobs\96100\CONPLANS_2007\C-MRKG.dwg, 477+00 – 489+00, 3/21/2008 9:53 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	42
STA. 489+00 TO STA. 491+90				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NO.	DATE	REVISION	BY

SHEET TITLE
PAVEMENT MARKING DETAILS
489+00 – 491+90

PROJECT
ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 20'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C–MRKG
DRAWING NO. 42

MEC MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002843)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8232, E-Mail : mecmail@martinengineeringco.com

OF 66 SHTS

Attached Xref(s) found at :
X-BASE [G:\Jobs\96100\CONPLANS_2007\X-BASE.dwg]
X-BASE [G:\Jobs\96100\CONPLANS_2007\X-BASE.dwg]

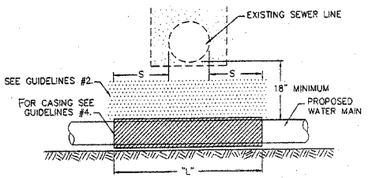
G:\Jobs\96100\CONPLANS_2007\C-MRKG.dwg, 489+00 – 491+90, 3/21/2008 9:53 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	43
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROPOSED WATER MAIN **BELOW** EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AND MEASURED PERPENDICULAR TO EXISTING SEWER LINE.

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

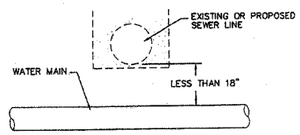
WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)

DMS

DIV.V/STANDARD DRAWING NO.23

DIV: V
PAGE: 170

PLACEMENT OF WATER MAIN **BELOW EXISTING** OR PROPOSED SEWER LINE **WITH LESS** THAN 18" MINIMUM VERTICAL SEPARATION. **NOT ALLOWED***



NOT ALLOWED*
MUST MAINTAIN 18" VERTICAL SEPARATION

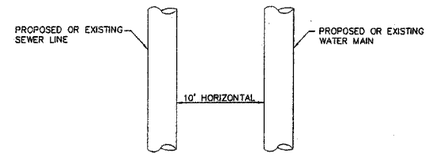
WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)

DMS

DIV.V/STANDARD DRAWING NO.24

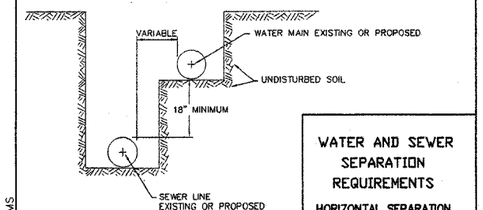
DIV: V
PAGE: 172

WHEN **PROPOSED** SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED. SEE SECTION 41-2.01B (1)



PLAN VIEW

WHEN **PROPOSED** SEWER (OR WATER) IS LOCATED **LESS THAN 10 FEET** FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY. SEE SECTION 41-2.01B (2)



WATER AND SEWER SEPARATION REQUIREMENTS HORIZONTAL SEPARATION

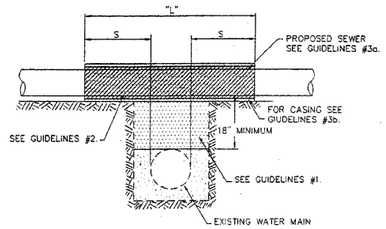
DMS

DIV.V/STANDARD DRAWING NO.18

DIV: V
PAGE: 160

PROPOSED SEWER LINE **WITH** 18" MINIMUM VERTICAL SEPARATION ABOVE EXISTING WATER MAIN.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO TO EXISTING WATER MAIN

GUIDELINES

1. IF SELECT GRANULAR BACKFILL EXISTS: REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" FEET.
3. a. CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;
   b. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.

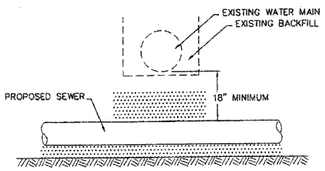
WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)

DMS

DIV.V/STANDARD DRAWING NO.19

DIV: V
PAGE: 162

PROPOSED SEWER LINE **BELOW EXISTING** WATER MAIN WITH 18" MINIMUM VERTICAL SEPARATION.



GUIDELINES

1. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)

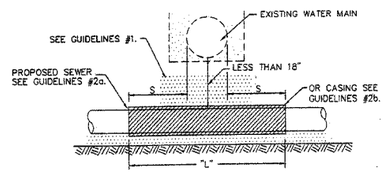
DMS

DIV.V/STANDARD DRAWING NO.20

DIV: V
PAGE: 164

PROPOSED SEWER LINE **BELOW** EXISTING WATER MAIN WITH **LESS** THAN 18" VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO EXISTING WATER MAIN.

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.
2. a. CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR;
   b. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.

WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)

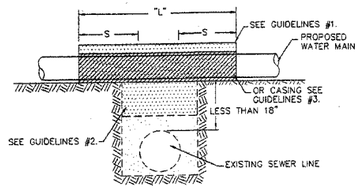
DMS

DIV.V/STANDARD DRAWING NO.21

DIV: V
PAGE: 166

PROPOSED WATER MAIN **ABOVE** EXISTING SEWER LINE WITH **LESS** THAN 18" VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B



NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO EXISTING SEWER LINE.

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER.

WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)

DMS

DIV.V/STANDARD DRAWING NO.22

DIV: V
PAGE: 168

SEPARATION GENERAL NOTES

1. WATER MAINS AND OR SERVICES MUST BE PROTECTED FROM SANITARY SEWERS, STORM SEWERS, COMBINED SEWERS, FORCE MAINS, HOUSE SEWER SERVICE CONNECTIONS, DRAINS AND SEPTIC FIELDS ACCORDING TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, FIFTH ADDITION, ADOPTED MAY, 1996 AND THE ILLINOIS DEPARTMENT OF PUBLIC HEALTH PLUMBING CODE.
2. ALL SANITARY SEWER SERVICES WHICH CROSS WATER MAINS AND OR SERVICES SHOULD USE "DUAL STAMPED" PVC SCHEDULE 40 PIPE (ASTM D1785 AND ASTM D2665)
3. ALL WATER MAIN AND OR SERVICES MUST BE LOCATED AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER, COMBINED SEWER, OR SEWER SERVICE CONNECTION, UNLESS LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF 10 FEET.
4. THE DISTANCE BETWEEN PIPES IS MEASURED EDGE TO EDGE FOR ALL SEPARATION REQUIREMENTS.
5. CASING PIPES MAY BE USED ONLY WHEN VERTICAL SEPARATION REQUIREMENTS CAN NOT BE MET, CASING PIPES MAY NOT BE USED WHEN HORIZONTAL SEPARATION REQUIREMENTS CAN NOT BE MET. CASING PIPES MUST BE OF A MATERIAL THAT IS APPROVED FOR USE AS WATER MAIN.
6. WATER MAINS MUST MAINTAIN A HORIZONTAL SEPARATION OF 10 FEET WITH FORCE MAINS. THERE SHALL BE AN 18 INCH VERTICAL SEPARATION AT CROSSINGS AND THE WATER MAIN IS TO BE LOCATED ABOVE THE FORCE MAIN.
7. WHEN A WATER MAIN CROSSES BELOW A SEWER, THE SEWER MUST BE CONSTRUCTED WITH WATER MAIN EQUIVALENT PIPE OR ELSE EITHER PIPE MUST BE INSTALLED IN A CASING. THE PROTECTION MUST EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE DISTANCE FROM THE WATER MAIN TO THE SEWER OR DRAIN IS AT LEAST TEN FEET. IN ADDITION, THE WATER MAIN MUST BE LOCATED AT LEAST 18 INCHES BELOW THE SEWER.
8. WHEN THE INVERT OF THE WATER MAIN IS NOT 18 INCHES ABOVE THE CROWN OF THE SEWER WHEN THE PIPES CROSS, A CASING PIPE CAN BE INSTALLED AROUND EITHER THE WATER MAIN OR SEWER IN LIEU OF CONSTRUCTING THE SEWER WITH WATER MAIN EQUIVALENT PIPE. THE CASING PIPE MUST BE A MATERIAL THAT IS APPROVED FOR USE AS WATER MAIN. CONCRETE IS NOT AN ACCEPTABLE ENCASEMENT. THE CASING MUST EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE DISTANCE FROM THE WATER MAIN TO THE SEWER OR DRAIN IS AT LEAST TEN FEET.
9. AT STORM SEWER CROSSINGS WHEN THE INVERT OF THE WATER MAIN IS NOT 18 INCHES ABOVE THE CROWN OF THE STORM SEWER, THE STORM SEWER CAN BE CONSTRUCTED WITH REINFORCED CONCRETE PIPE WITH A FLEXIBLE GASKET JOINT MEETING ASTM C361 OR ASTM C443 AS AN ALTERNATIVE TO CONSTRUCTING THE STORM SEWER WITH WATER MAIN EQUIVALENT PIPE OR PROVIDING A CASING PIPE AT LOCATIONS WHERE IT IS NOT POSSIBLE TO MEET THE VERTICAL SEPARATION REQUIREMENTS. THE USE OF FLEXIBLE GASKET JOINT CONCRETE PIPE DOES NOT MEET THE REQUIREMENTS IN PARALLEL SITUATIONS WHERE LOCAL CONDITIONS PREVENT A 10 FOOT SEPARATION.
10. WATER MAINS MUST BE SEPARATED BY A MINIMUM OF 25 FEET FROM SEPTIC TANKS, DISPOSAL FIELDS AND SEEPAGE BEDS.
11. WATER MAINS MUST BE SEPARATED BY A MINIMUM OF 25 FEET FROM SEWAGE LIFT STATIONS.
12. HORIZONTAL AND VERTICAL SEPARATION REQUIREMENTS APPLY TO WATER SERVICE LINES THE SAME AS PER WATER MAINS.

NO.	DATE	REVISION	BY

SHEET TITLE
WATER AND SEWER SEPARATION REQUIREMENTS

PROJECT
ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 5'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-RQMT
DRAWING NO. 43
OF 66 SHTS

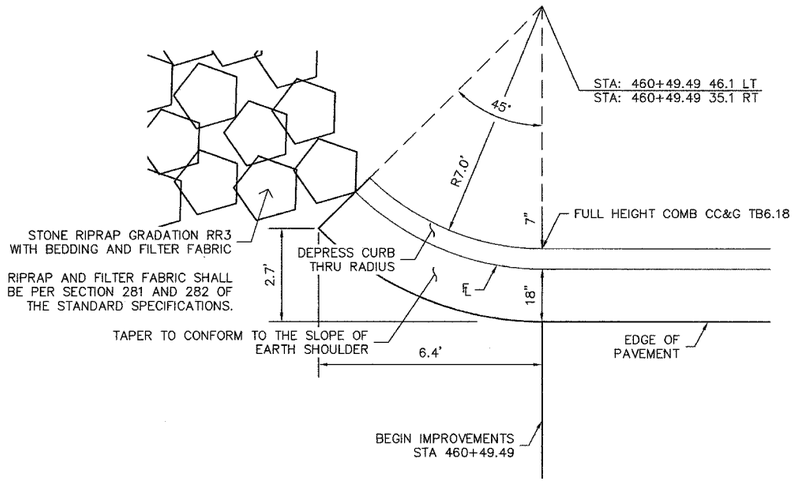
MEC MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS/LAND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002843)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone: (217) 698-8900, Fax: (217) 698-8222, E-Mail: macmail@martinengineeringco.com

Attached Ref(s) found at :
X-TBLK (D:\jobs\VER100\CONPLANS_2007\X-TBLK.dwg)

G:\jobs\96100\CONPLANS_2007\C-RQMT.dwg, RQMT, 3/21/2008 9:53 AM, RPOTTS, 1:1

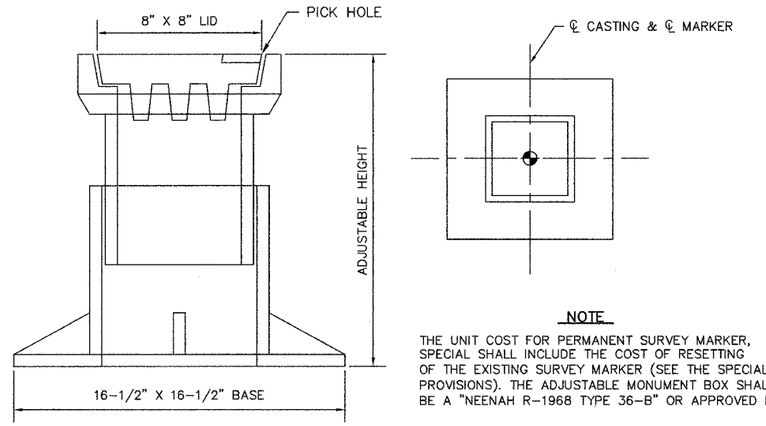
93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	44
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTE: TEMPORARY TAPERS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

TEMPORARY TAPER FOR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

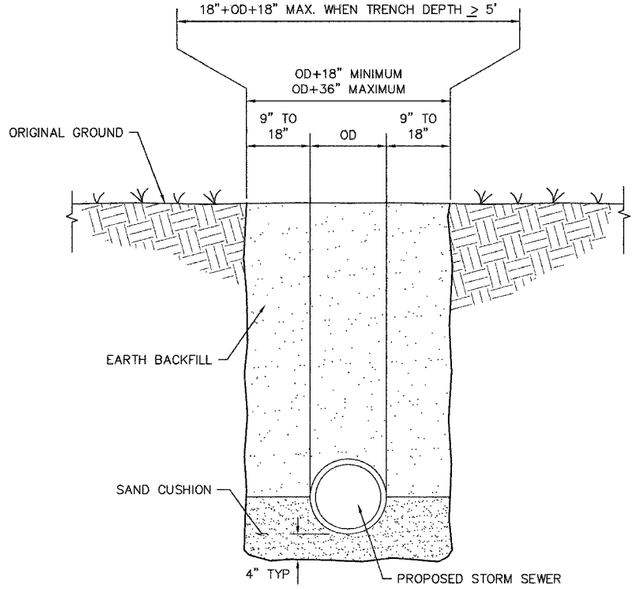


NOTE

THE UNIT COST FOR PERMANENT SURVEY MARKER, SPECIAL SHALL INCLUDE THE COST OF RESETTING OF THE EXISTING SURVEY MARKER (SEE THE SPECIAL PROVISIONS). THE ADJUSTABLE MONUMENT BOX SHALL BE A "NEENAH R-1968 TYPE 36-B" OR APPROVED EQUAL.

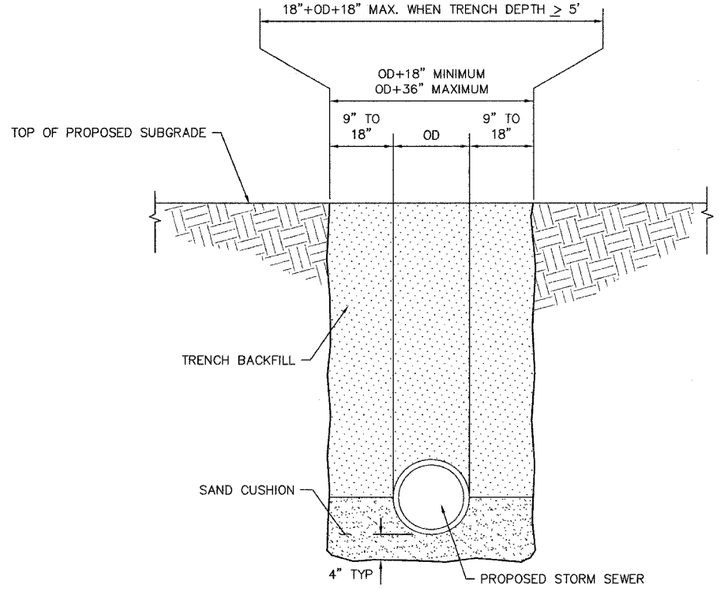
DETAIL OF PERMANENT SURVEY MARKER, SPECIAL

NOT TO SCALE



DETAIL OF TRENCH EXCAVATION UNDER TURF

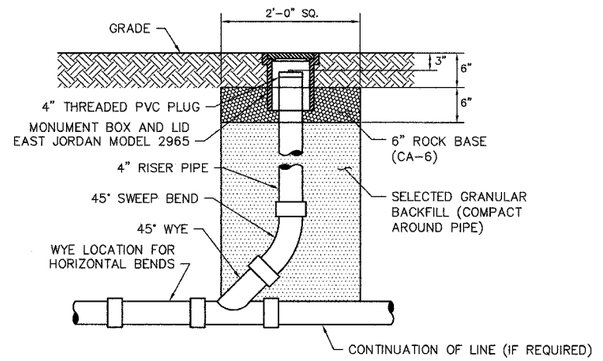
NOT TO SCALE



DETAIL OF TRENCH EXCAVATION AND BACKFILL UNDER PROPOSED PAVEMENT

NOT TO SCALE

NOTE: ALL CLEANOUTS LOCATED IN PAVED AREAS SHALL BE ENCASED IN 6" X 2' SQ. P.C.C. OVER 6" ROCK BASE



PIPE UNDERDRAIN CLEANOUT, COMPLETE

SCALE: N.T.S.

NO.	DATE	REVISION	BY

SHEET TITLE: SPECIAL DETAILS

PROJECT: ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 20'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-DETL
DRAWING NO. 44
OF 66 SHTS

MEC
MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS AND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002843)
3233 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8922, E-Mail : mecmail@martinengineeringco.com

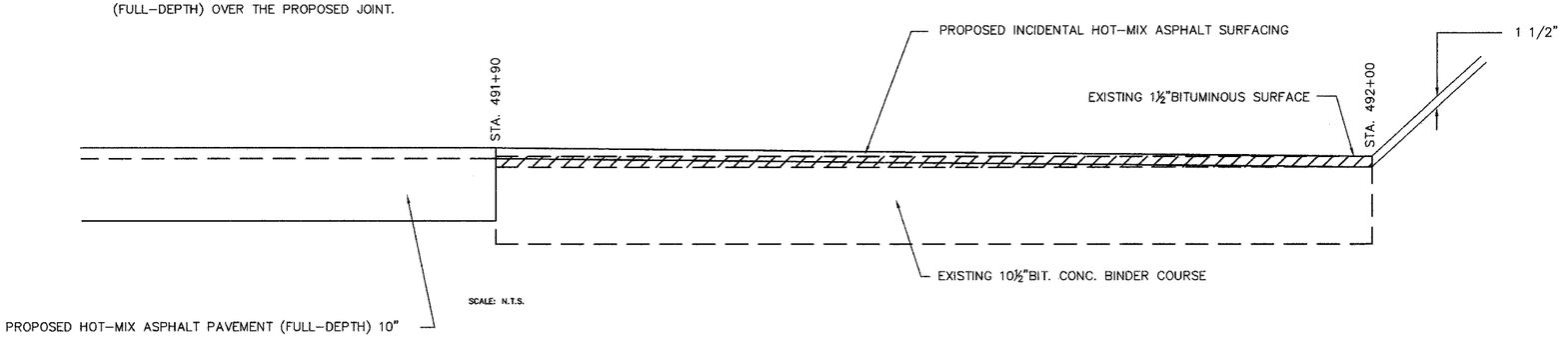
Attached Sheet(s) found at :
X-REF (G:\jobs\96100\CONPLANS_2007\X-REF.dwg)
X-REF (G:\jobs\96100\CONPLANS_2007\X-REF2.dwg)

G:\jobs\96100\CONPLANS_2007\C-DETL.dwg, DETL, 3/21/2008 9:53 AM, RPOTTS, 1:1

93464

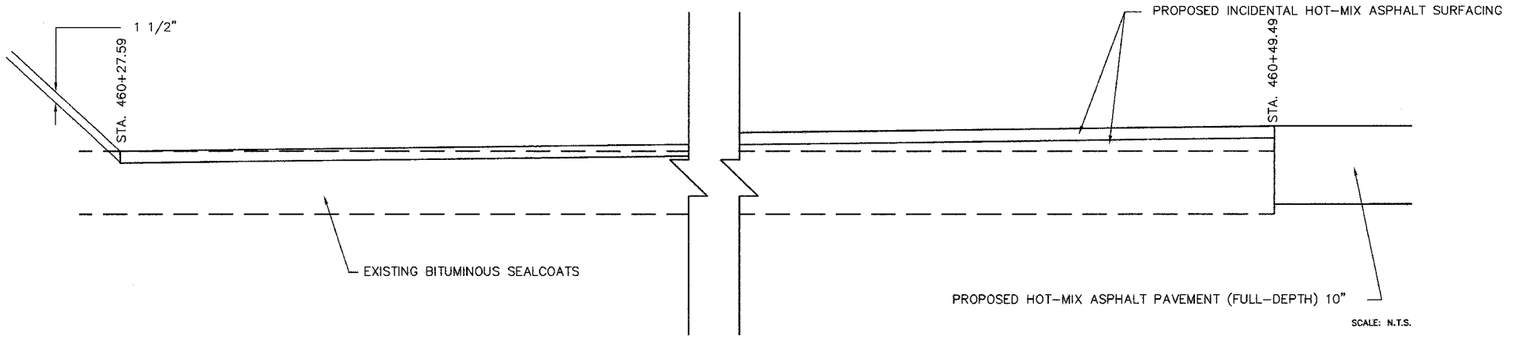
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	45
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

STA. 491+90.00 TO STA. 492+00.00 10' OF THE EXISTING SURFACE 1½" DEEP WILL BE REMOVED TO TRANSITION THE FINAL COURSE OF THE HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH) OVER THE PROPOSED JOINT.



SCALE: N.T.S.

PROPOSED BUTT JOINT DETAIL



SCALE: N.T.S.

PROPOSED BUTT JOINT DETAIL

NO.	DATE	REVISION	BY

SHEET TITLE: SPECIAL DETAILS

PROJECT: ILES AVENUE

PROJECT NO. 96100
SCALE 1" = 20'
DATE OCT., 2007
DRAWN BY MEC
CHECKED BY PBW
DRAWING FILE C-DETL
DRAWING NO. 45

MEC MARTIN ENGINEERING COMPANY of Illinois
CONSULTING ENGINEERS AND SURVEYORS
(ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002943)
3223 S. MEADOWBROOK RD., SPRINGFIELD, ILLINOIS 62711
Phone : (217) 698-8900, Fax : (217) 698-8022, E-Mail : mecmail@martinengineeringco.com

OF 66 SHTS

Attached Xref(s) found at :
X-Path: C:\Jobs\96100\CONPLANS_2007\X-REF.dwg
X-Path: C:\Jobs\96100\CONPLANS_2007\X-BLOCKS.dwg

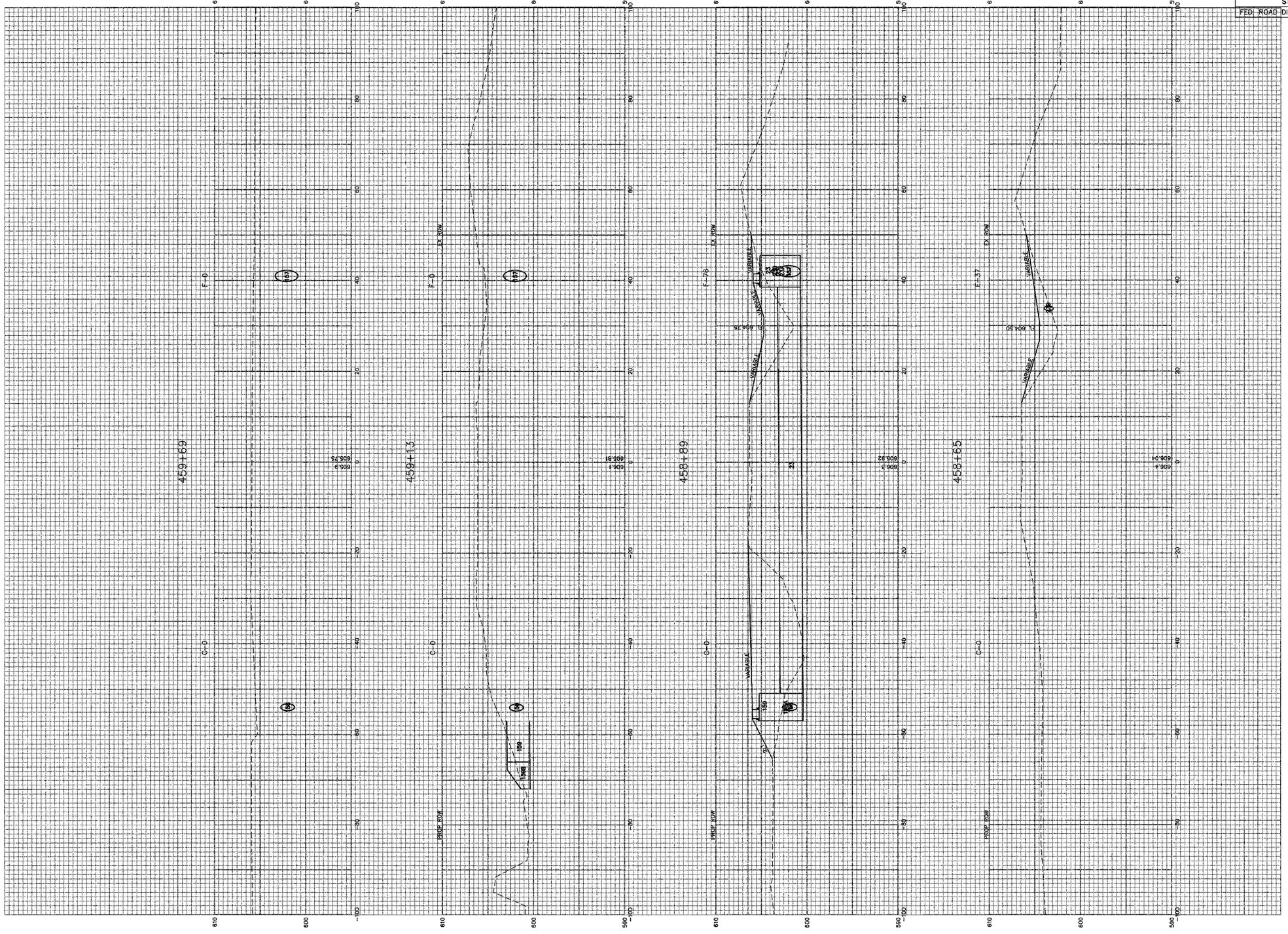
G:\Jobs\96100\CONPLANS_2007\C-DETL.dwg, DETL (2), 3/21/2008 9:54 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	46

STA. 548+65 TO STA. 459+69

FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT



10' 0 10'
HORIZONTAL SCALE: 1" = 10'

5' 0 5'
VERTICAL SCALE: 1" = 5'

ILES AVENUE (FAU 8047) STA. 548+65 TO STA. 459+69

Attached Xref(s) found at :
X-TBLK [G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg]

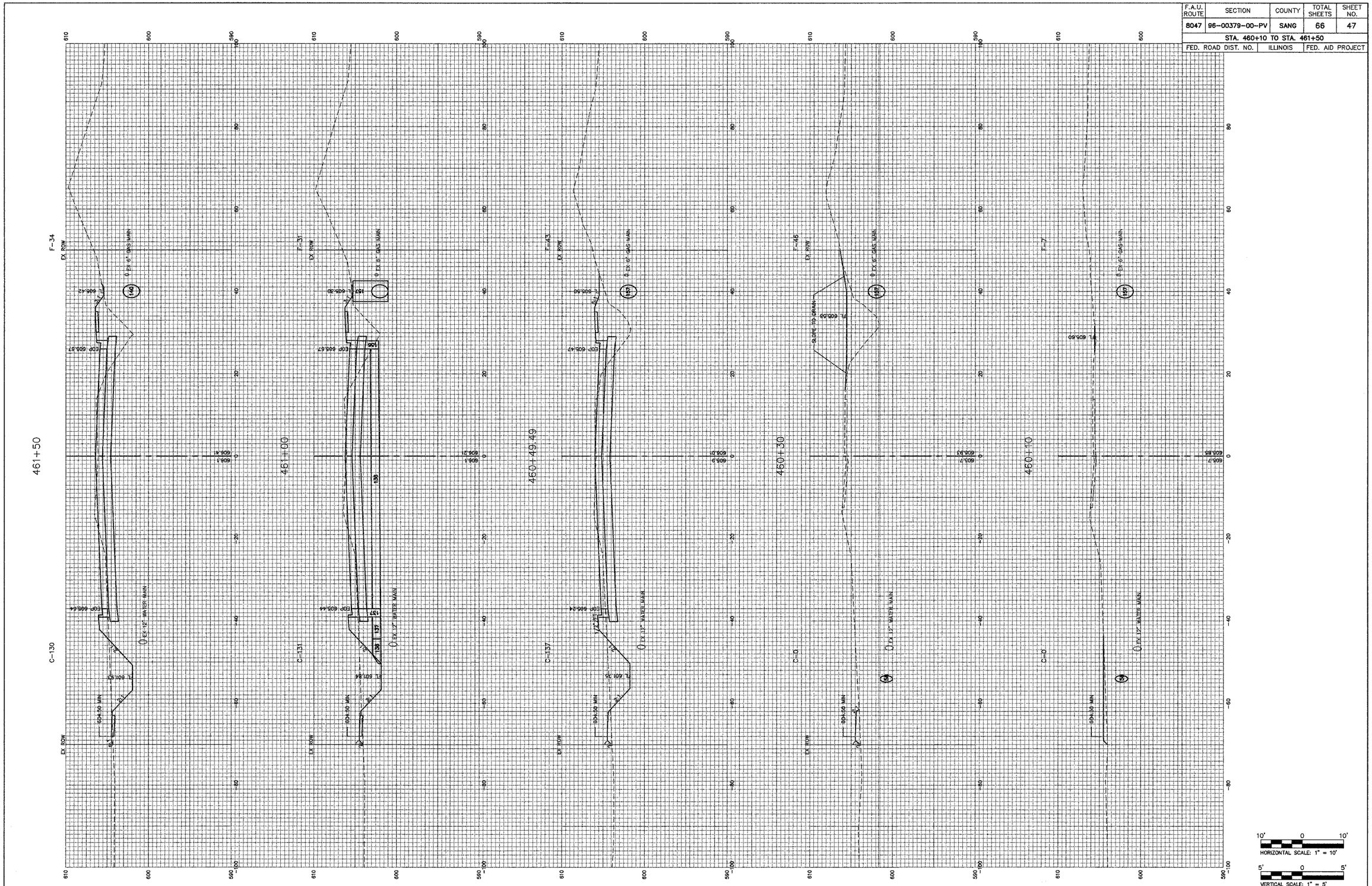
G:\jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 548+65 TO STA. 459+69, 3/21/2008 10:30 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	47

STA. 460+10 TO STA. 461+50

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



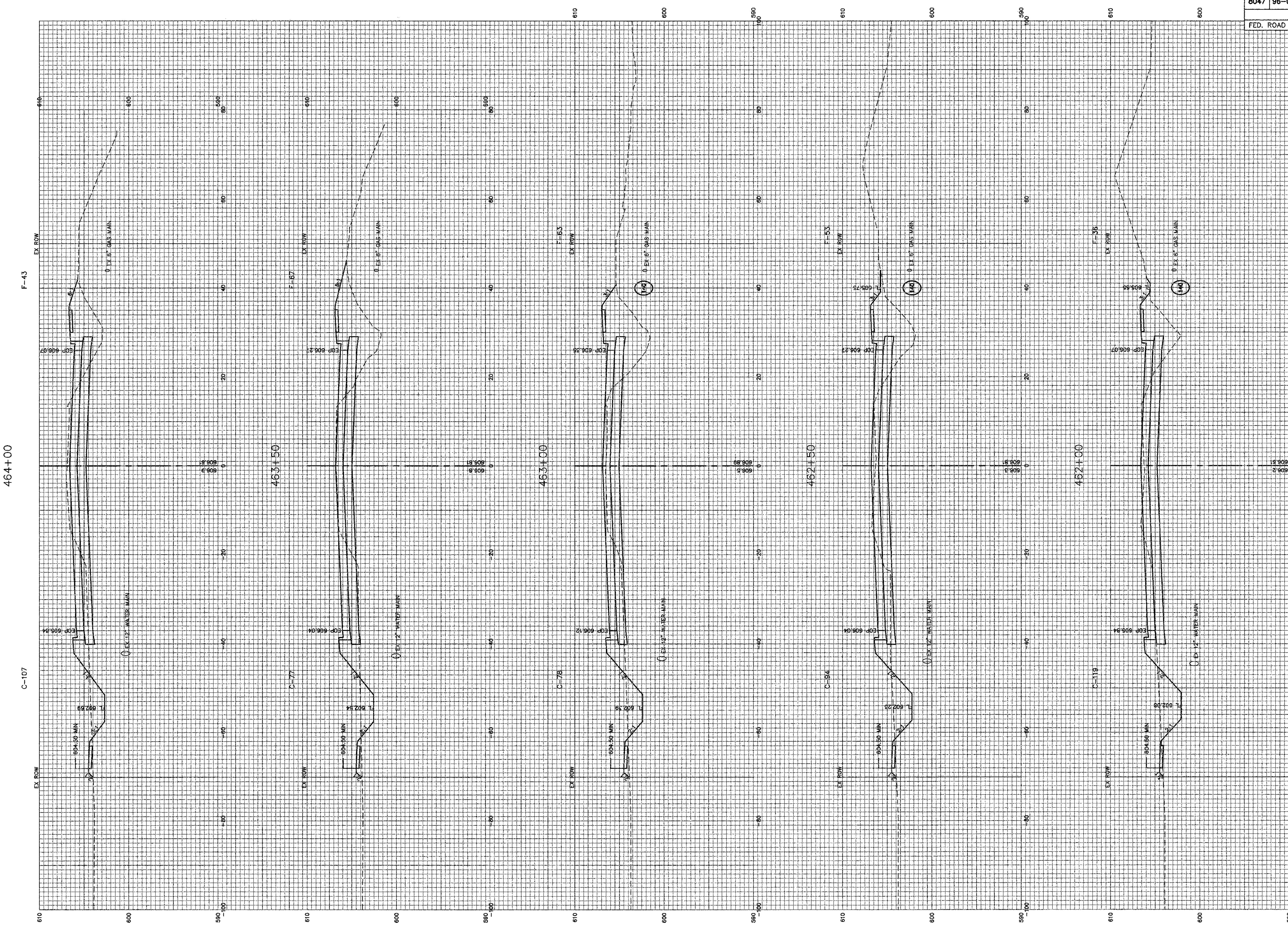
ILES AVENUE (FAU 8047) STA. 460+10 TO STA. 461+50

Attached XrefG) found at:
X-Ref: [G:\Jobs\96100\CONPLANS_2007\C-TBLK.dwg]

G:\Jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 460+10 TO STA. 461+50, 3/21/2008 10:30 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	48
STA. 462+00 TO STA. 464+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



10' 0 10'

HORIZONTAL SCALE: 1" = 10'

5' 0 5'

VERTICAL SCALE: 1" = 5'

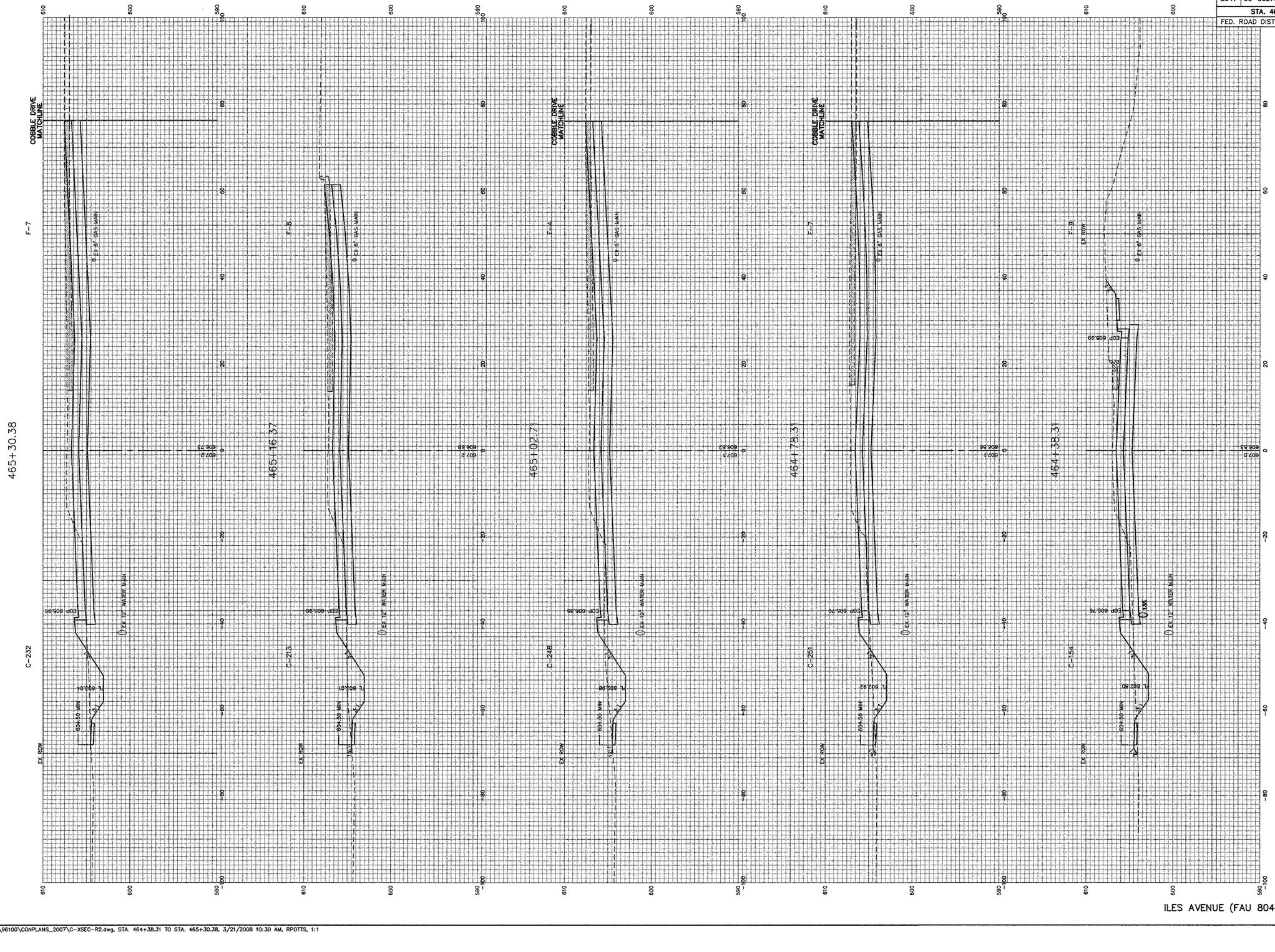
ILES AVENUE (FAU 8047) STA. 462+00 TO STA. 464+00

G:\jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 462+00 TO STA. 464+00, 3/21/2008 10:30 AM, RPOTTS, 1:1

Attached Xref(s) found at :
X-TBLK [G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg]

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	49
STA. 464+38.31 TO STA. 465+30.38				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



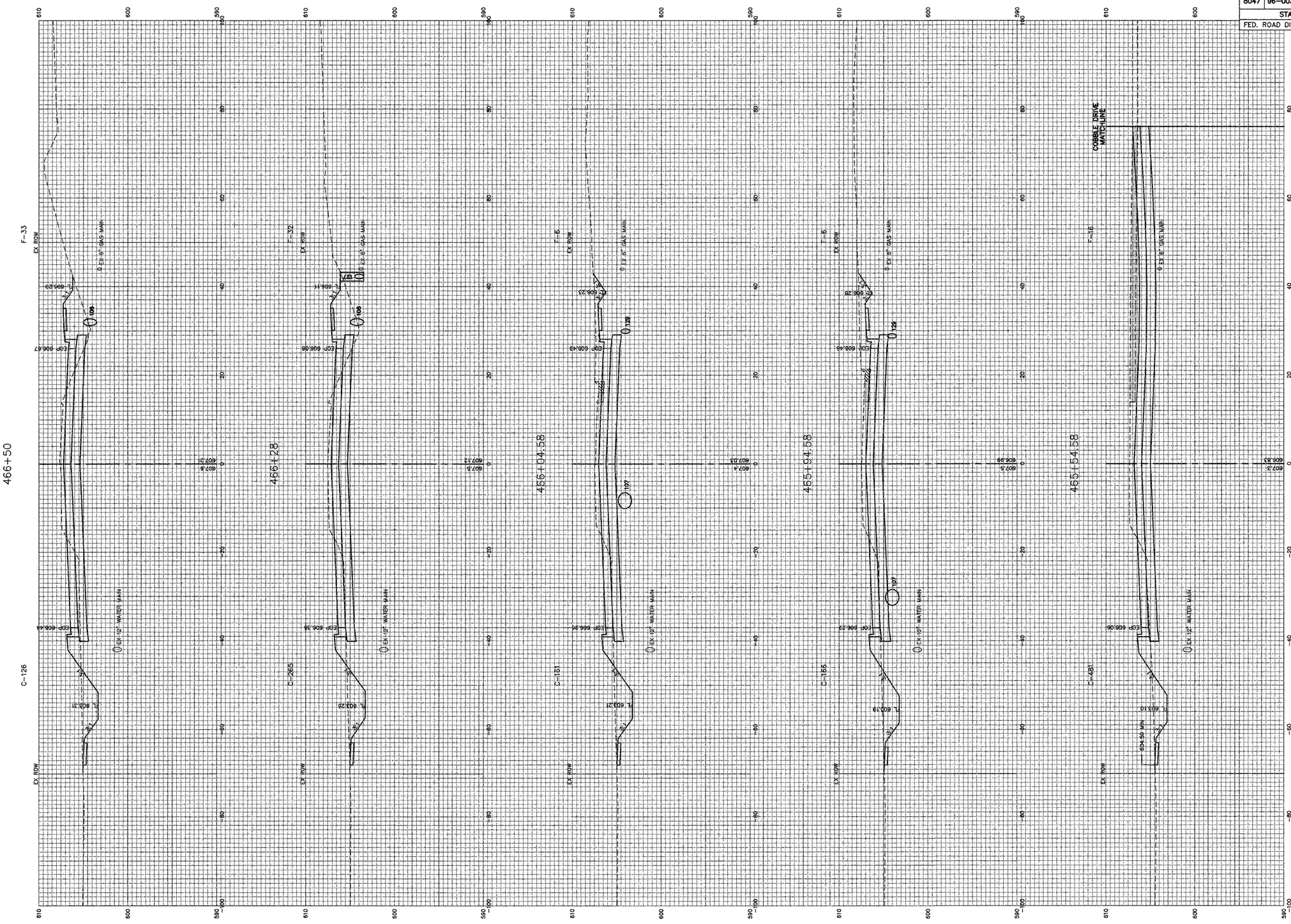
ILES AVENUE (FAU 8047) STA. 464+38.31 TO STA. 465+30.38

Attached Xref(s) found at :
X-TBLK [G:\Jobs\96100\CONPLANS_2007\X-TBLK.dwg]

G:\jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 464+38.31 TO STA. 465+30.38, 3/21/2008 10:30 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	50
STA. 465+54.58 TO STA. 466+50				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



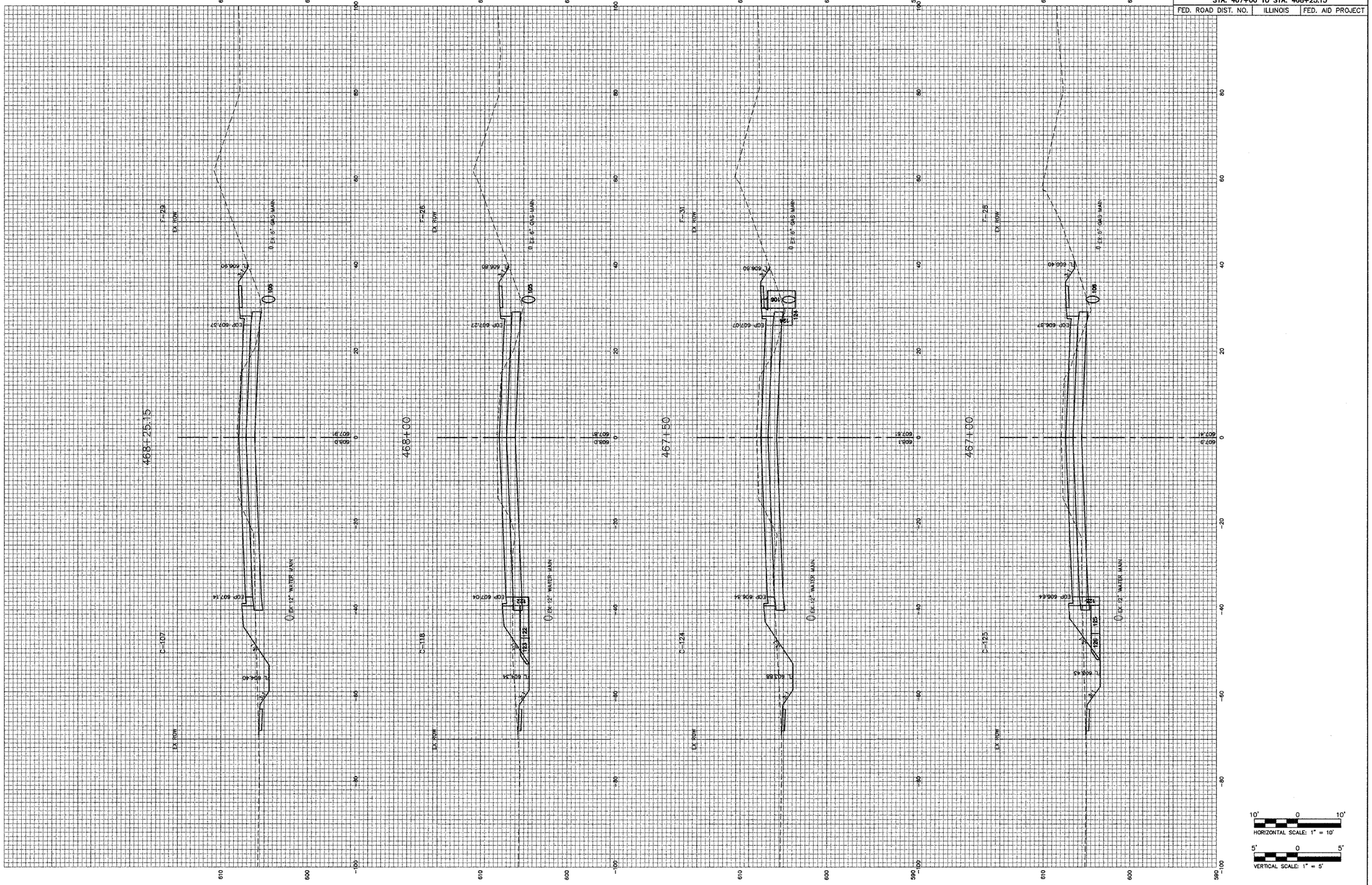
ILES AVENUE (FAU 8047) STA. 465+54.58 TO STA. 466+50

Attached Xref(s) found at :
X-REFS: [G:\Jobs\96100\CONPLANS_2007\X-REFS.dwg]

G:\Jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 465+54.58 TO STA. 466+50, 3/21/2008 10:30 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	51
STA. 467+00 TO STA. 468+25.15				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

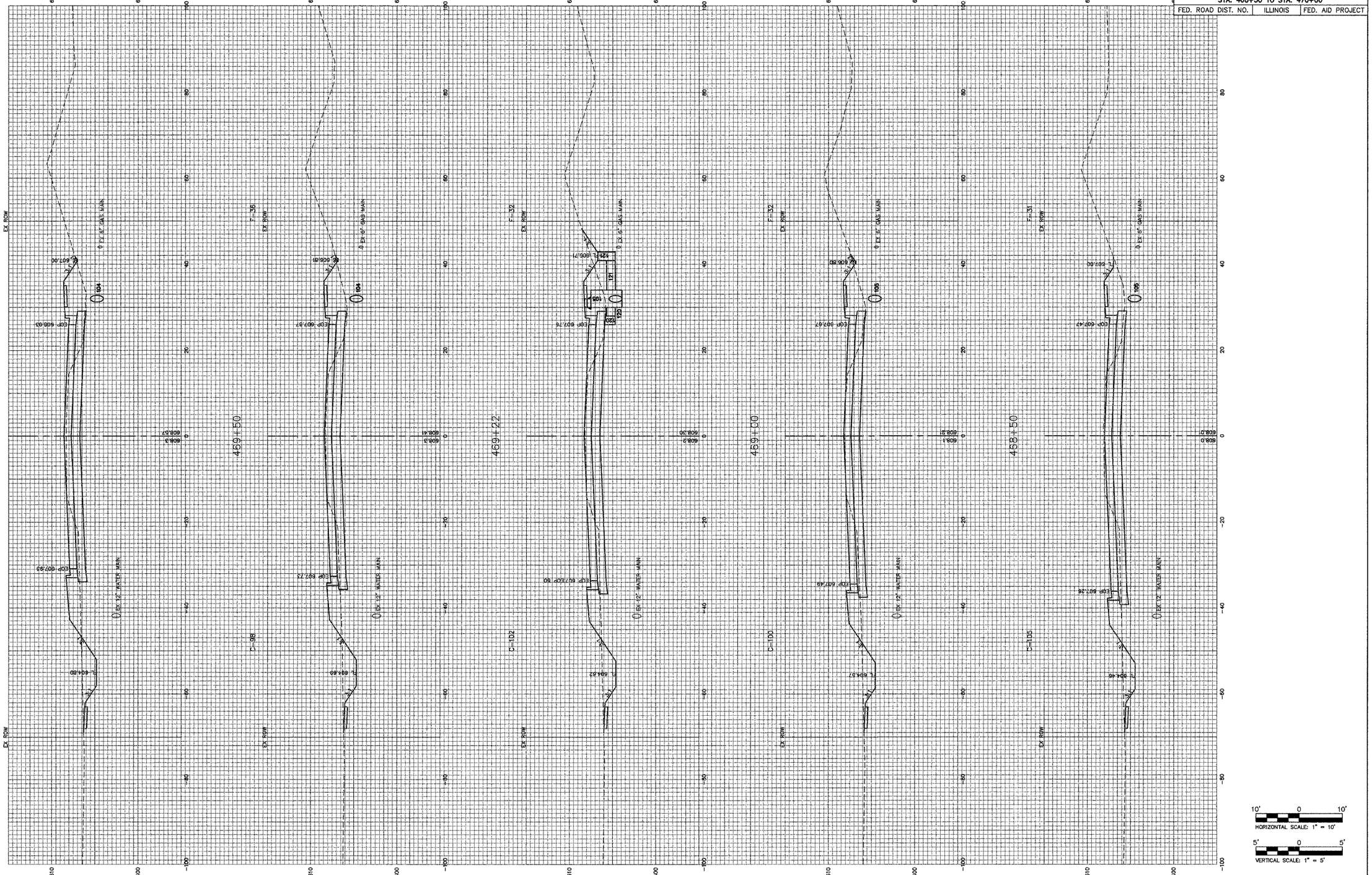


ILES AVENUE (FAU 8047) STA. 467+00 TO STA. 468+25.15

Attached Xref(s) found at :
X-REF [G:\jobs\96100\CONPLANS_2007\X-REF.dwg]

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	52
STA. 468+50 TO STA. 470+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



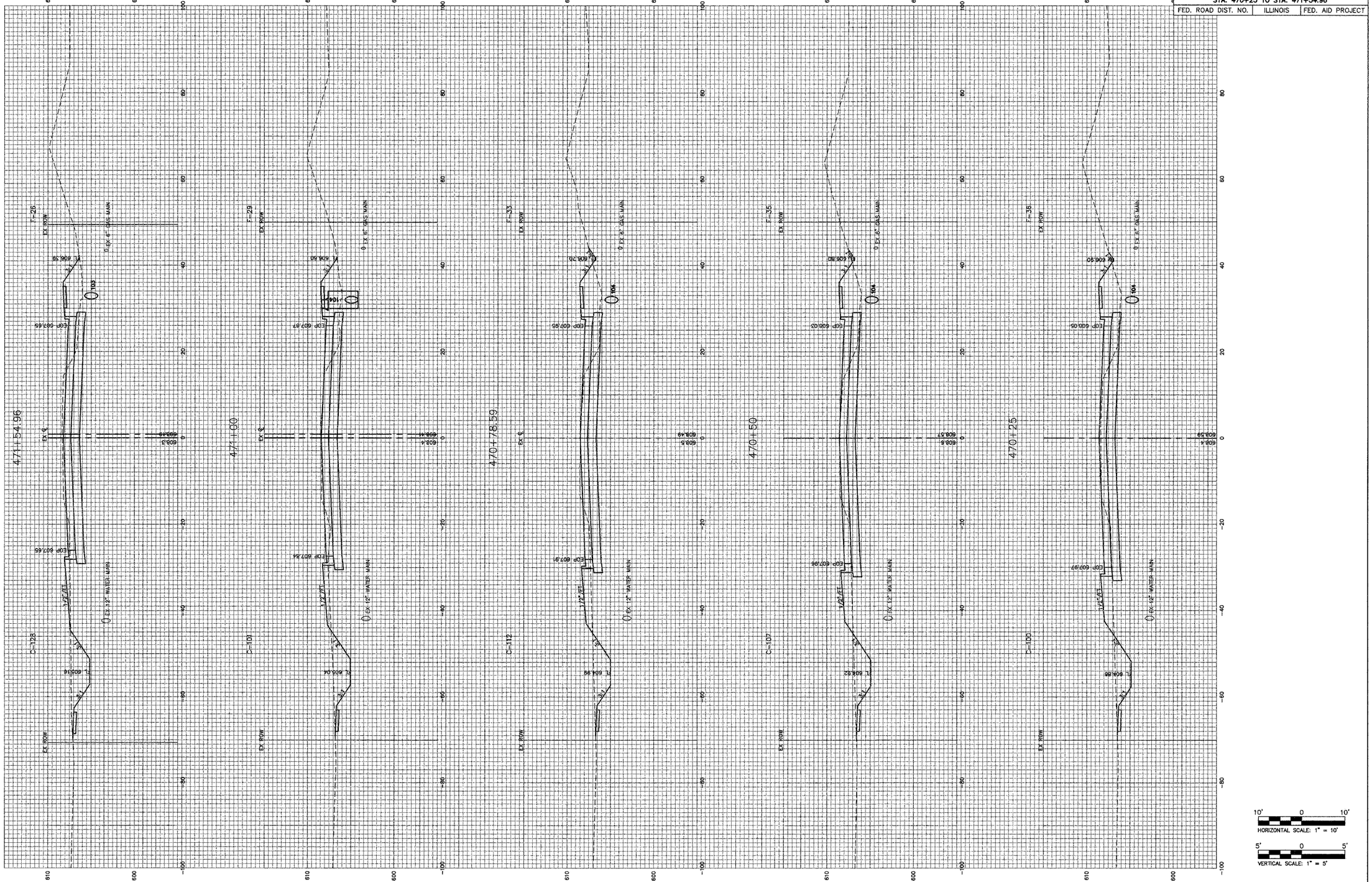
ILES AVENUE (FAU 8047) STA. 468+50 TO STA. 470+00

Attached Xref(s) found at :
X-TBLK [G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg]

G:\jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 468+50 TO STA. 470+00, 3/21/2008 10:30 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	53
STA. 470+25 TO STA. 471+54.96				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

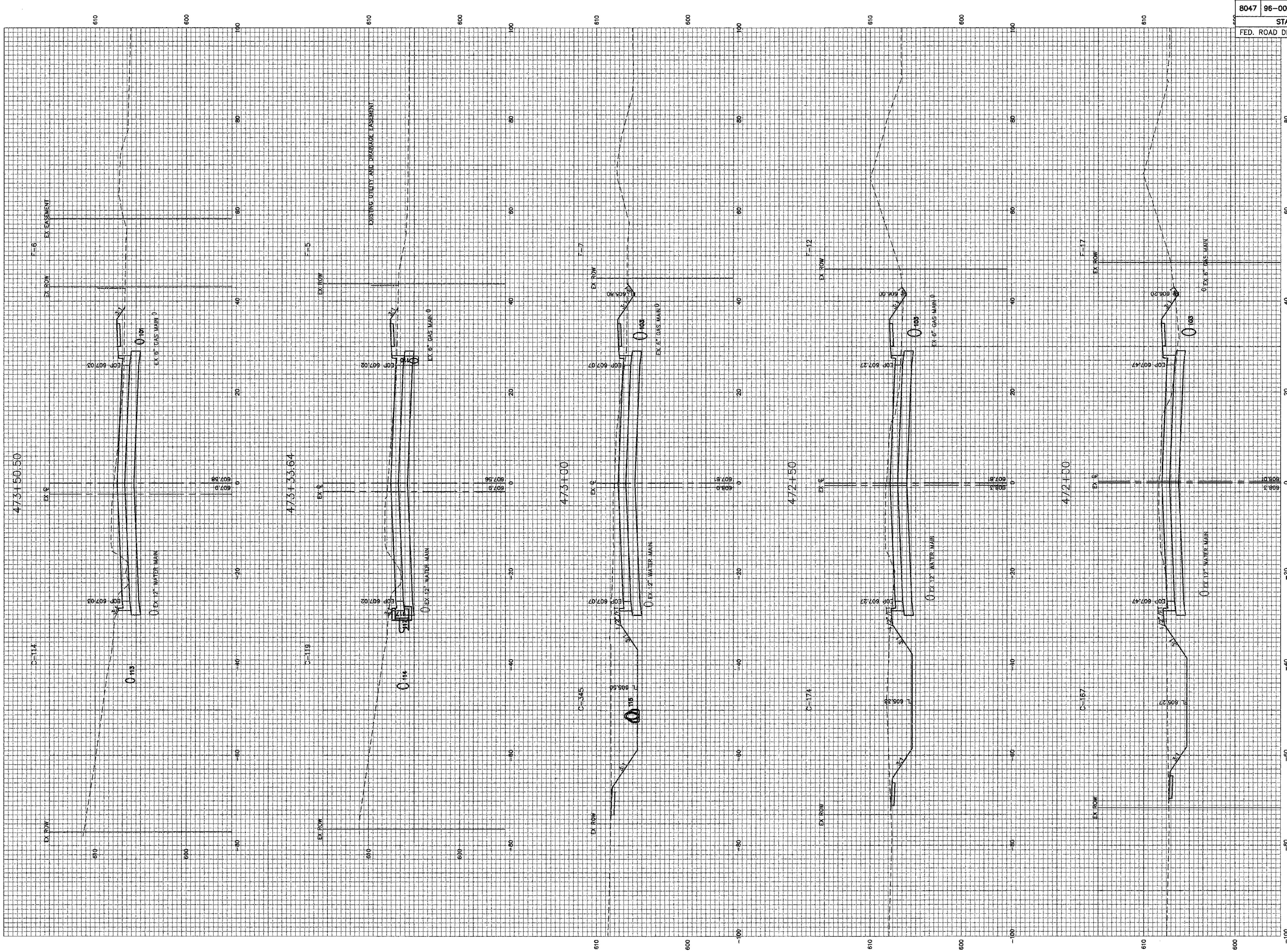


ILES AVENUE (FAU 8047) STA. 470+25 TO STA. 471+54.96

Attached Xref(s) found at :
X-TBLK (G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg)

G:\jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 470+25 TO STA. 471+54.96, 3/21/2008 10:31 AM, RPOTTS, 1:1

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	54
STA. 472+00 TO STA. 473+50.50				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



10' 0 10'
HORIZONTAL SCALE: 1" = 10'

5' 0 5'
VERTICAL SCALE: 1" = 5'

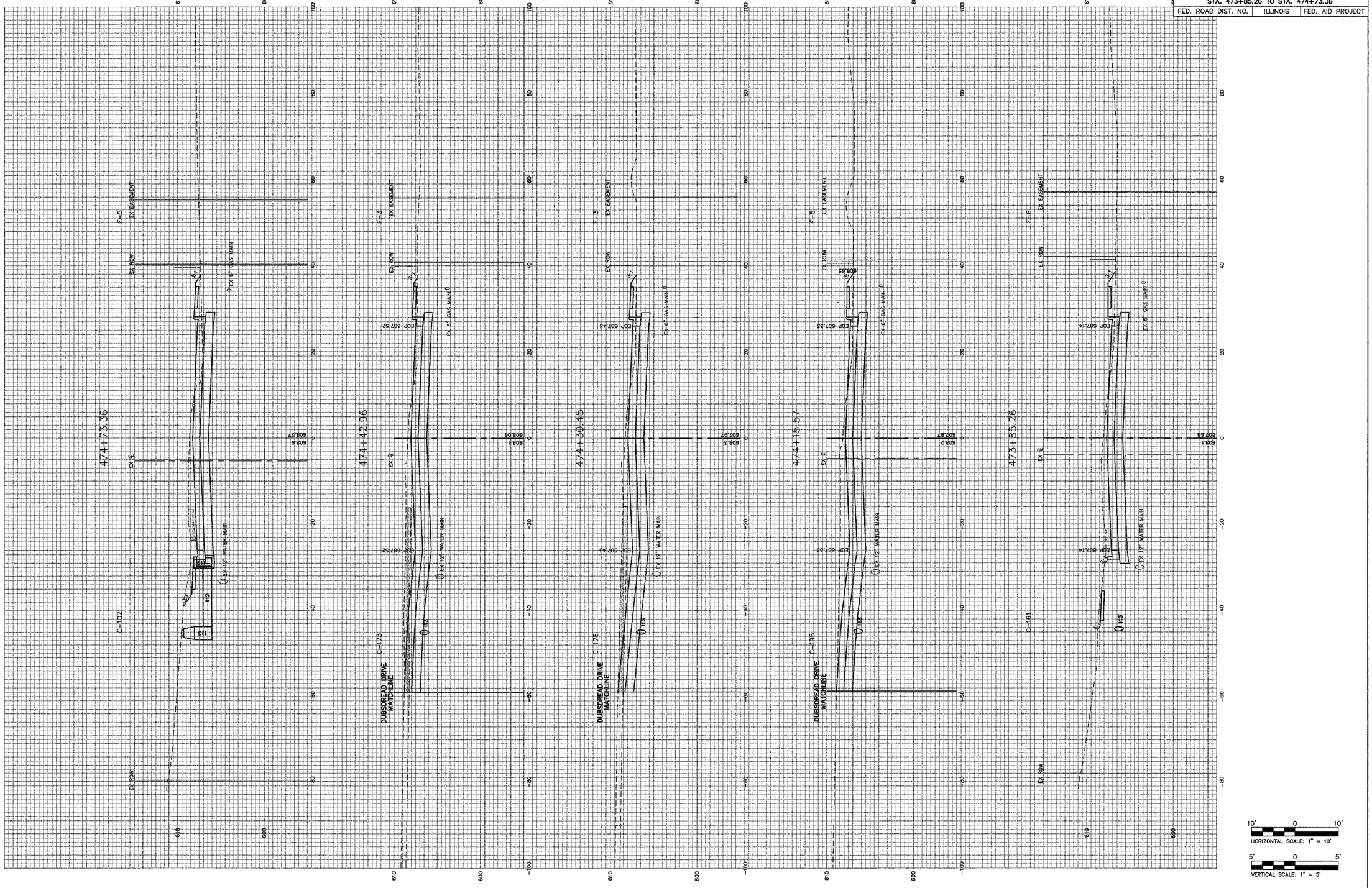
ILES AVENUE (FAU 8047) STA. 472+00 TO STA. 473+50.50

G:\jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 472+00 TO STA. 473+50.50, 3/21/2008 10:31 AM, RPOTTS, 1:1

Attached Xref(s) found at :
X-TBLK [G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg]

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	55
STA. 473+85.26 TO STA. 474+73.36				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



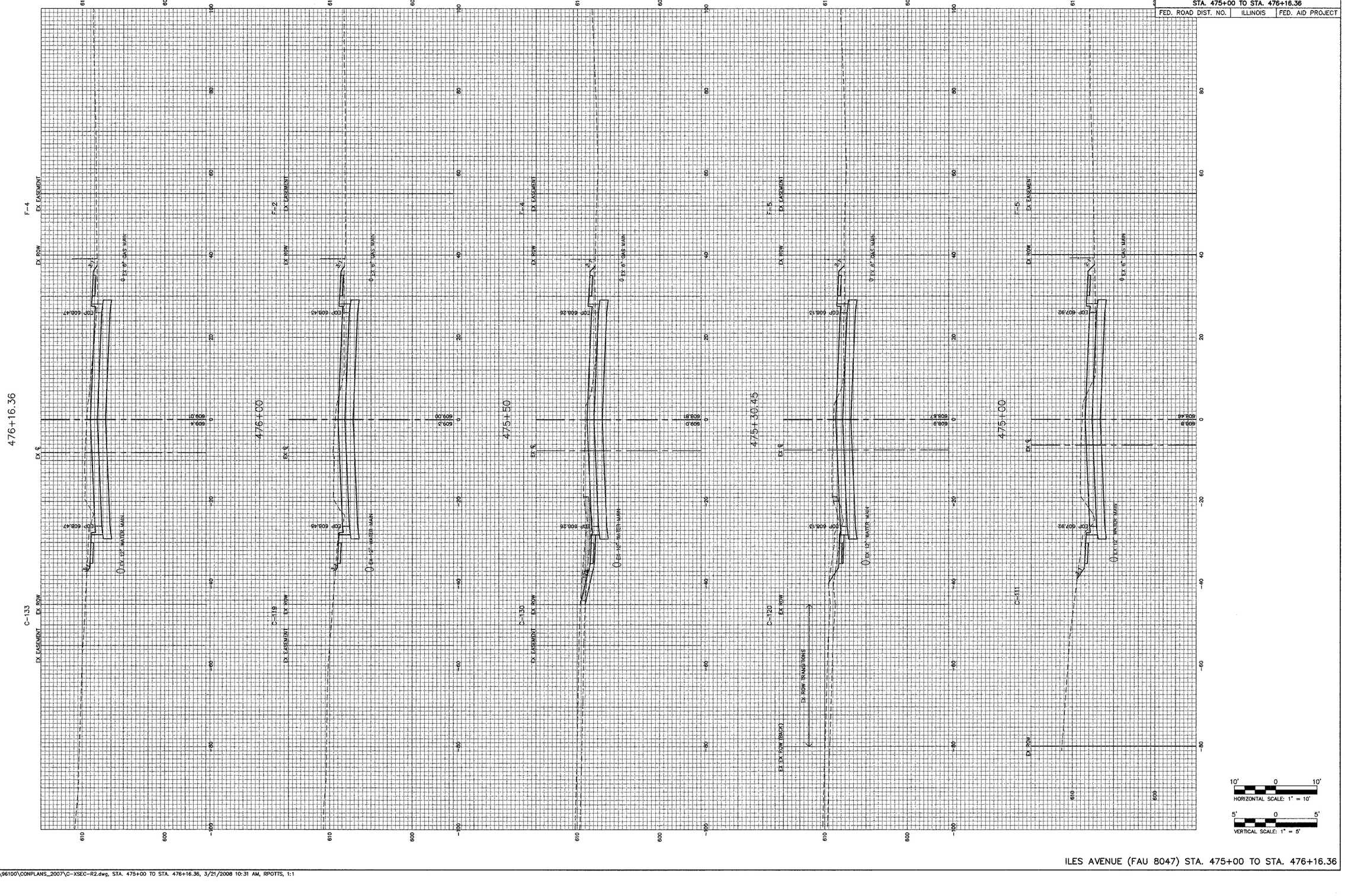
ILES AVENUE (FAU 8047) STA. 473+85.26 TO STA. 474+73.36

Attached Xref(s) found at :
X-TBLK: [G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg]

G:\jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 473+85.26 TO STA. 474+73.36, 3/21/2008 10:31 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	56
STA. 475+00 TO STA. 476+16.36				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



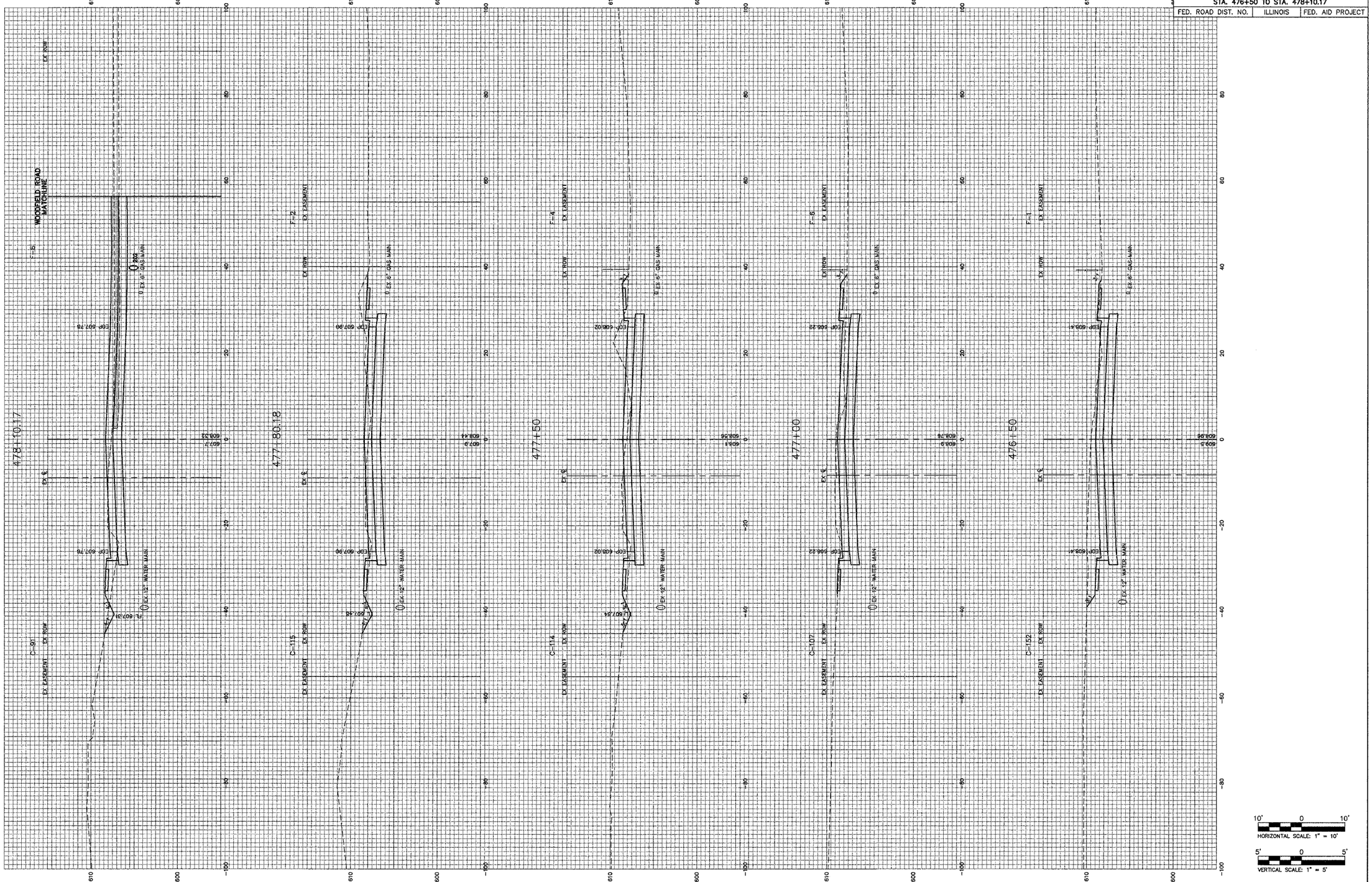
ILES AVENUE (FAU 8047) STA. 475+00 TO STA. 476+16.36

Attached Xref(s) found at :
X-REFS [G:\jobs\96100\CONPLANS_2007\X-REFS.dwg]

G:\jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 475+00 TO STA. 476+16.36, 3/21/2008 10:31 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	57
STA. 476+50 TO STA. 478+10.17				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



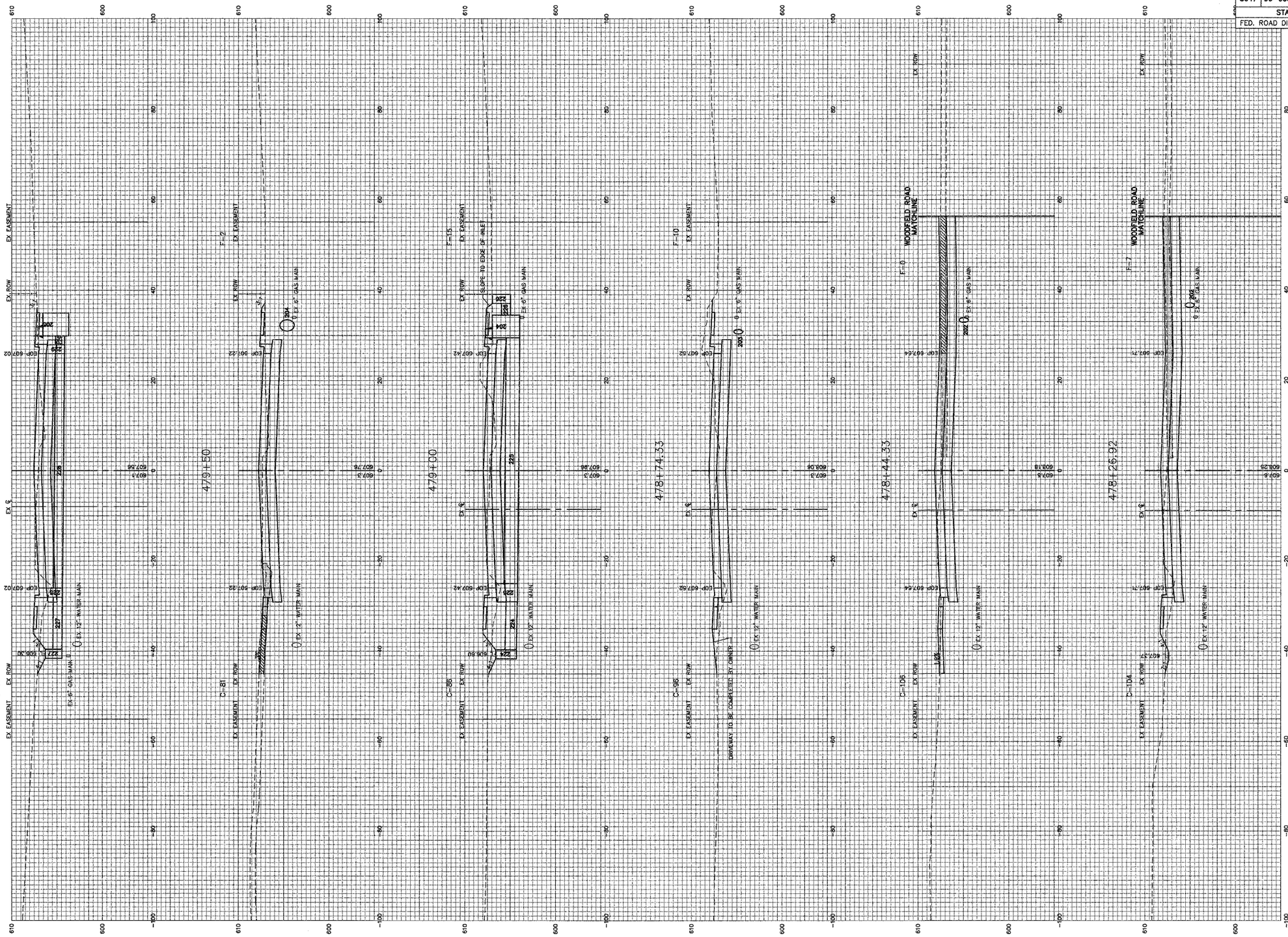
ILES AVENUE (FAU 8047) STA. 476+50 TO STA. 478+10.17

Attached Xref(s) found at :
X-TBLK [G:\Jobs\96100\CONPLANS_2007\X-TBLK.dwg]

G:\jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 476+50 TO STA. 478+10.17, 3/21/2008 10:31 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	58
STA. 478+26.92 TO STA. 480+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



ILES AVENUE (FAU 8047) STA. 478+26.92 TO STA. 480+00

G:\jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 478+26.92 TO STA. 480+00, 3/21/2008 10:31 AM, RPOTTS, 1:1

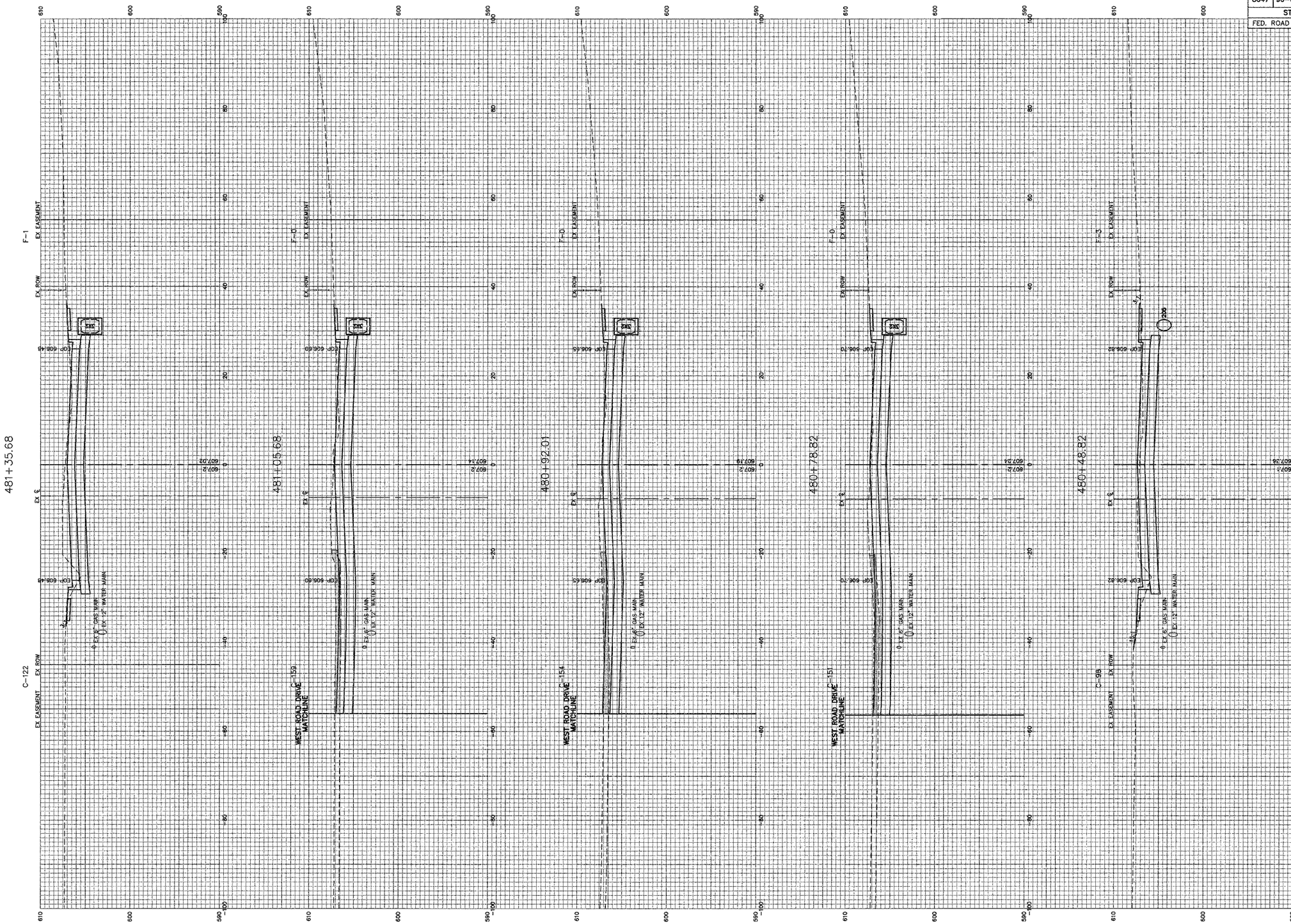
Attached Xref(s) found at :
X-TBLK [G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg]

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	59

STA. 480+48.82 TO STA. 481+35.68

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT



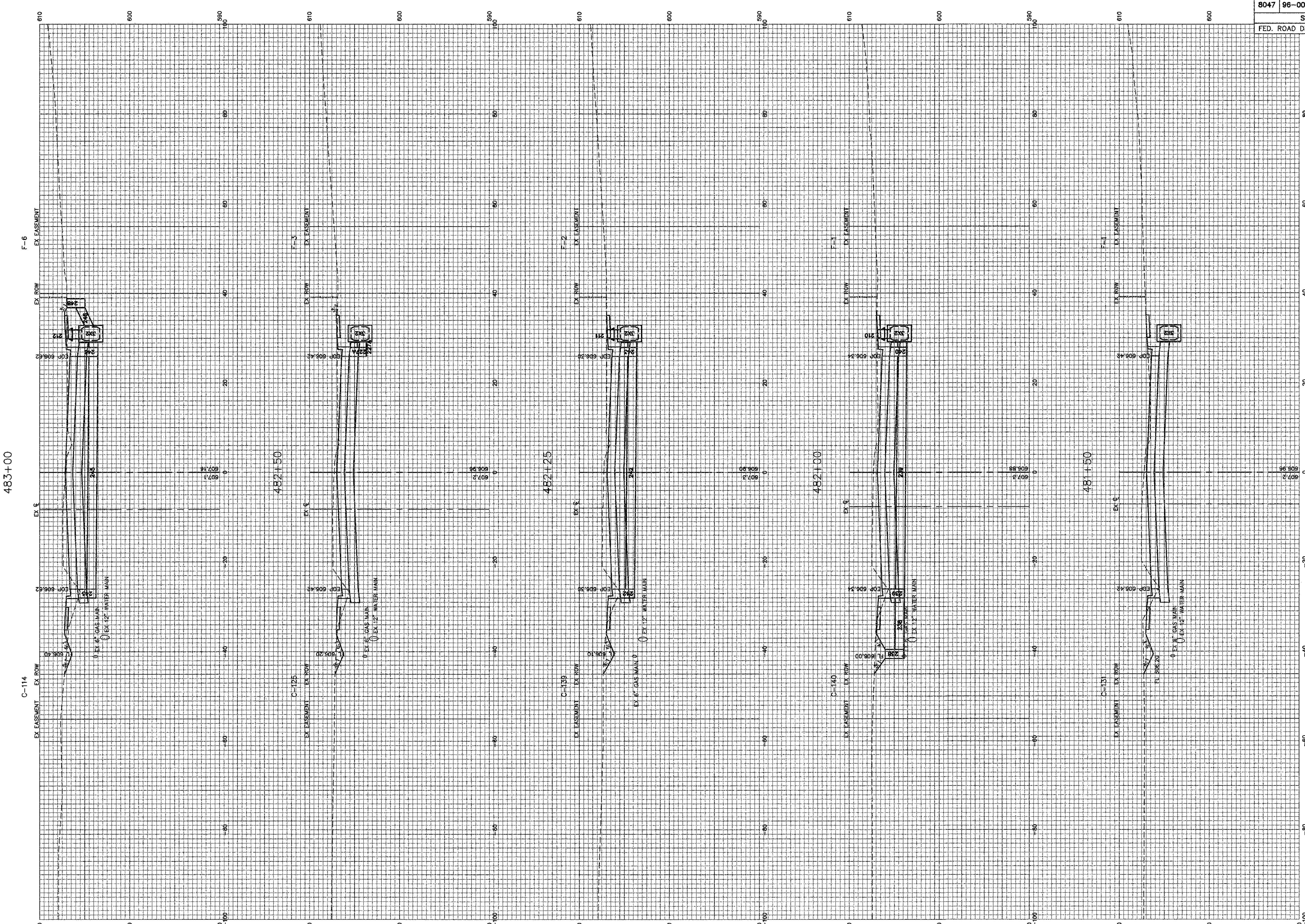
ILES AVENUE (FAU 8047) STA. 480+48.82 TO STA. 481+35.68

Attached XrefO Found at:
X-REF [G:\Jobs\96100\CONPLANS_2007\X-REF.dwg]

G:\Jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 480+48.82 TO STA. 481+35.68, 3/21/2008 10:31 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	60
STA. 481+50 TO STA. 483+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



10' 0 10'
HORIZONTAL SCALE: 1" = 10'

5' 0 5'
VERTICAL SCALE: 1" = 5'

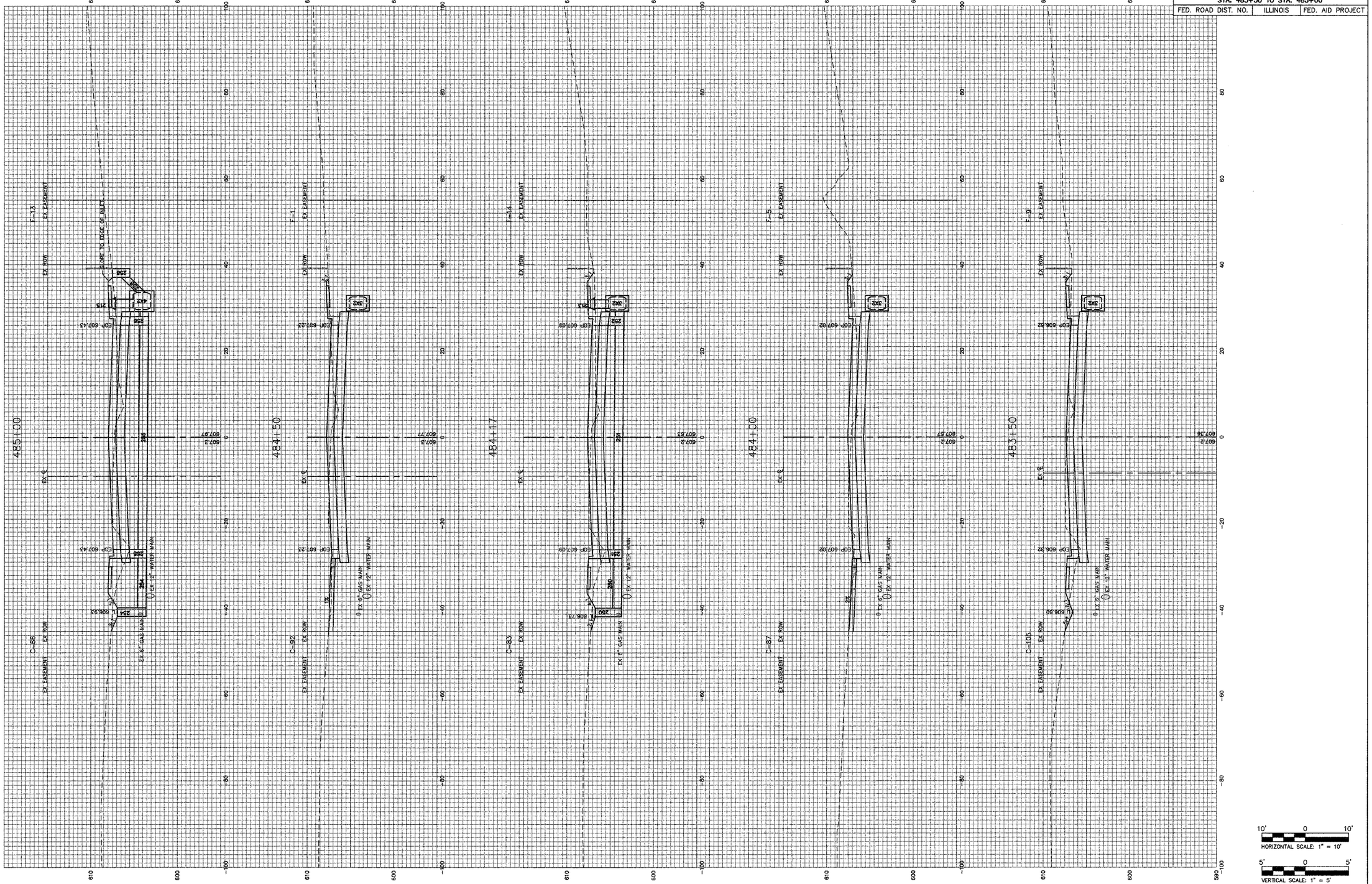
ILES AVENUE (FAU 8047) STA. 481+50 TO STA. 483+00

G:\jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 481+50 TO STA. 483+00, 3/21/2008 10:31 AM, RPOTTS, 1:1

Attached Xref(s) found at :
X-TBLK [G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg]

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	61
STA. 483+50 TO STA. 485+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



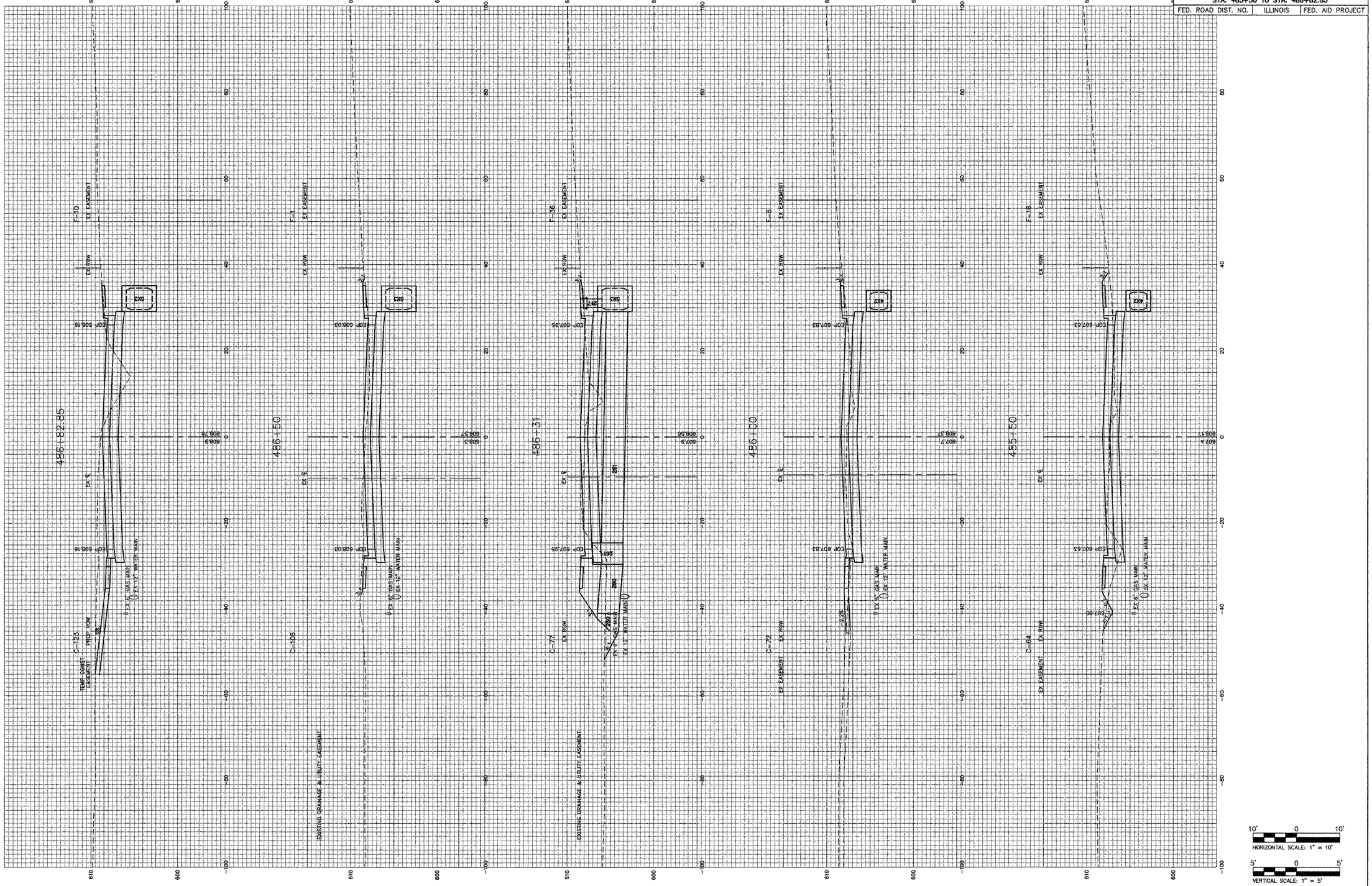
ILES AVENUE (FAU 8047) STA. 483+50 TO STA. 485+00

Attached Xref(s) found at :
X-TBLK [G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg]

G:\jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 483+50 TO STA. 485+00, 3/21/2008 10:31 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	62
STA. 485+50 TO STA. 486+82.85				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



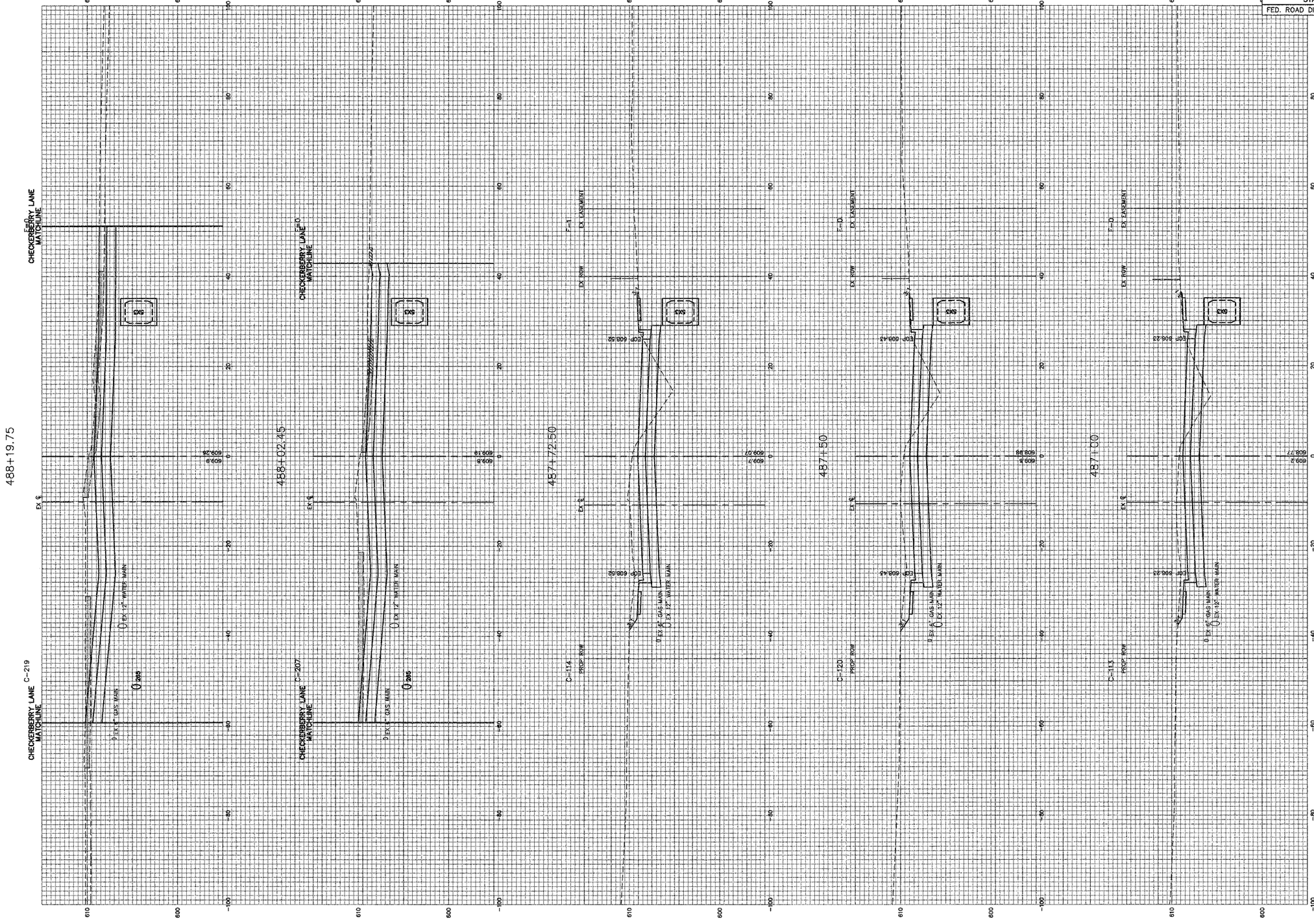
ILES AVENUE (FAU 8047) STA. 485+50 TO STA. 486+82.85

G:\jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 485+50 TO STA. 486+82.85, 3/21/2008 10:31 AM, RPOTTS, 1:1

Attached Xref(s) found at :
X-REFs [G:\jobs\96100\CONPLANS_2007\X-REFs.dwg]

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	63
STA. 487+00 TO STA. 488+19.75				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



10' 0 10'
HORIZONTAL SCALE: 1" = 10'

5' 0 5'
VERTICAL SCALE: 1" = 5'

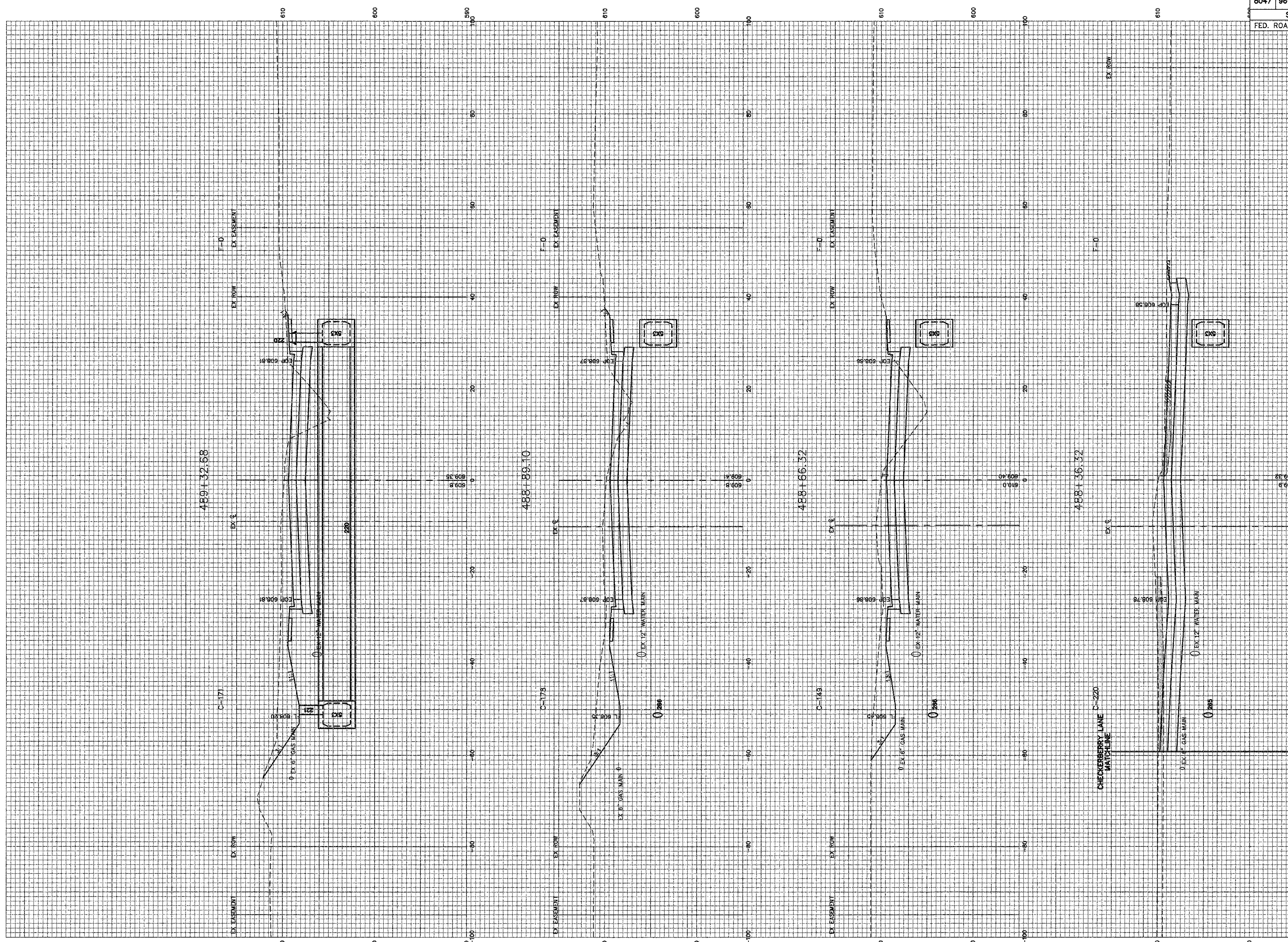
ILES AVENUE (FAU 8047) STA. 487+00 TO STA. 488+19.75

Attached Xref(s) found at :
X-REFs [G:\Jobs\98100\CONPLANS_2007\X-REFs\]

G:\Jobs\98100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 487+00 TO STA. 488+19.75, 3/21/2008 10:31 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	64
STA. 488+36.32 TO STA. 489+32.68				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



10' 0 10'
HORIZONTAL SCALE: 1" = 10'

5' 0 5'
VERTICAL SCALE: 1" = 5'

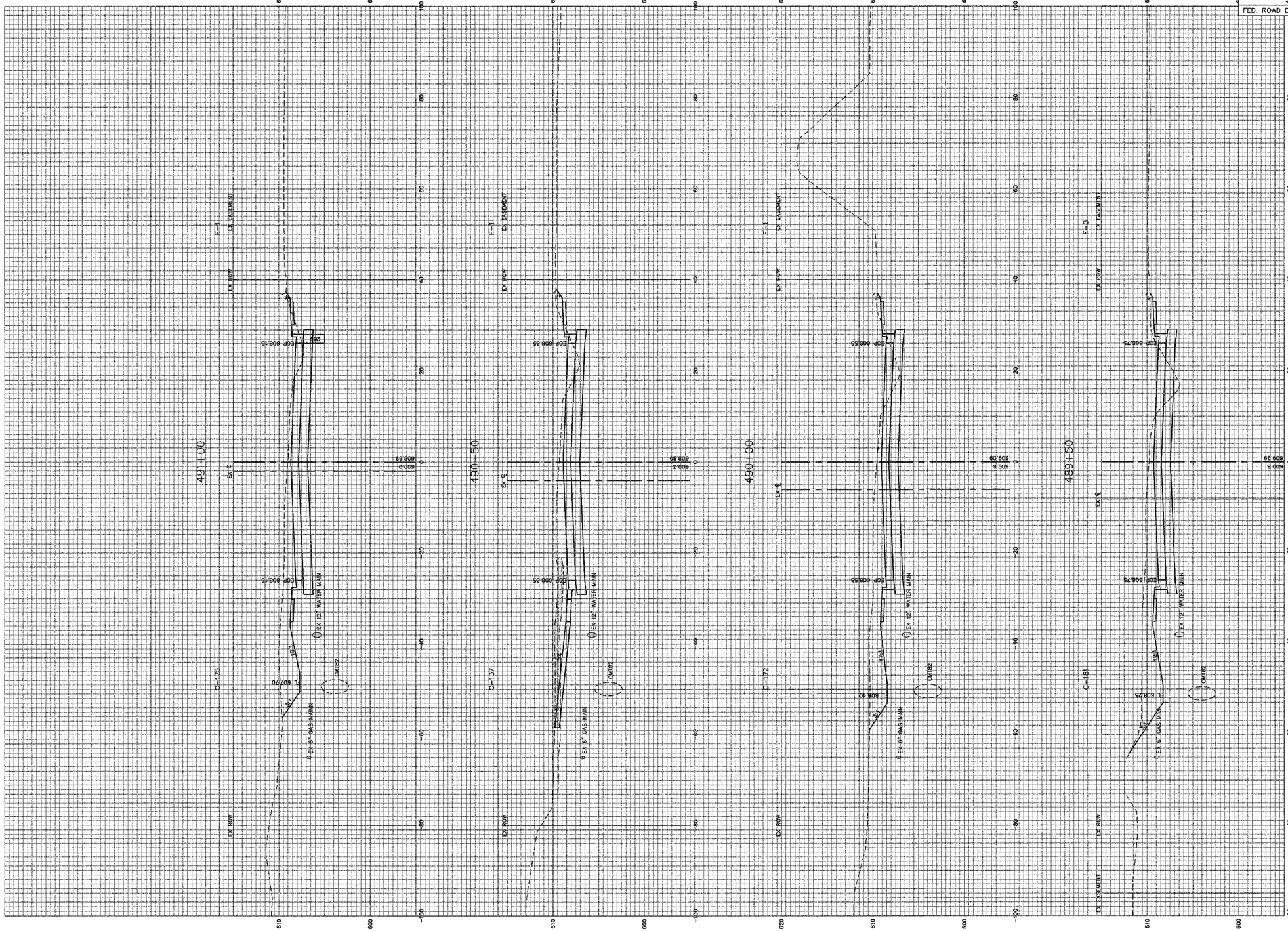
ILES AVENUE (FAU 8047) STA. 488+36.32 TO STA. 489+32.68

Attached Xref(s) found at :
X-TBLK [G:\jobs\96100\CONPLANS_2007\X-TBLK.dwg]

G:\jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 488+36.32 TO STA. 489+32.68, 3/21/2008 10:32 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	65
STA. 489+50 TO STA. 491+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



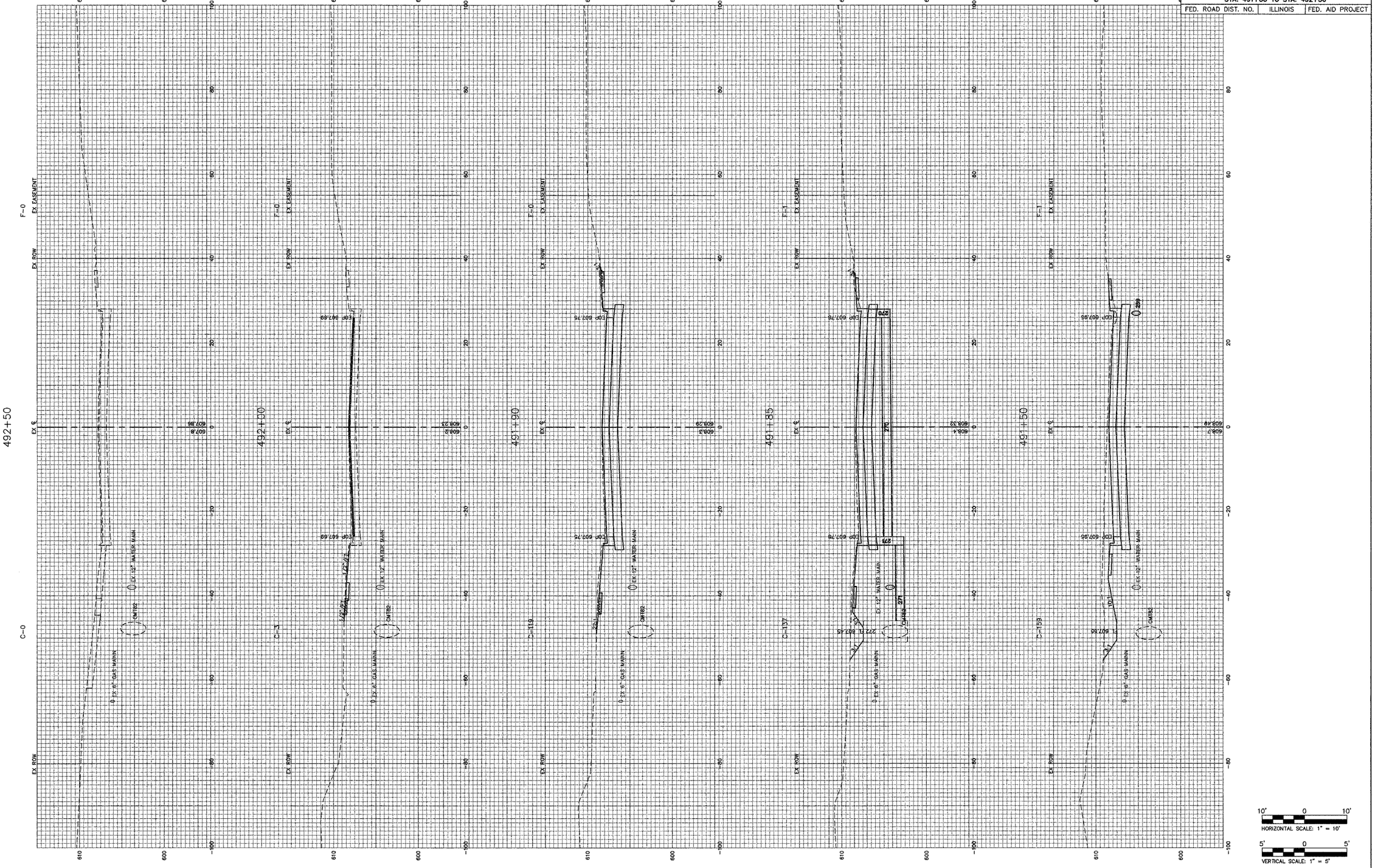
ILES AVENUE (FAU 8047) STA. 489+50 TO STA. 491+00

Attached XREF(s) found at :
X-TBLK [G:\Jobs\96100\CONPLANS_2007\X-TBLK.dwg]

G:\Jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 489+50 TO STA. 491+00, 3/21/2008 10:32 AM, RPOTTS, 1:1

93464

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8047	96-00379-00-PV	SANG	66	66
STA. 491+50 TO STA. 492+50				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



ILES AVENUE (FAU 8047) STA. 491+50 TO STA. 492+50

Attached Xref(s) found at :
X-REF [G:\jobs\96100\CONPLANS_2007\X-REF.dwg]

G:\jobs\96100\CONPLANS_2007\C-XSEC-R2.dwg, STA. 491+50 TO STA. 492+50, 3/21/2008 10:32 AM, RPOTTS, 1:1