

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2774	0306T	COOK	55	1

53-1054

D-91-110-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
DOUBLE BOX CULVERT PLANS**

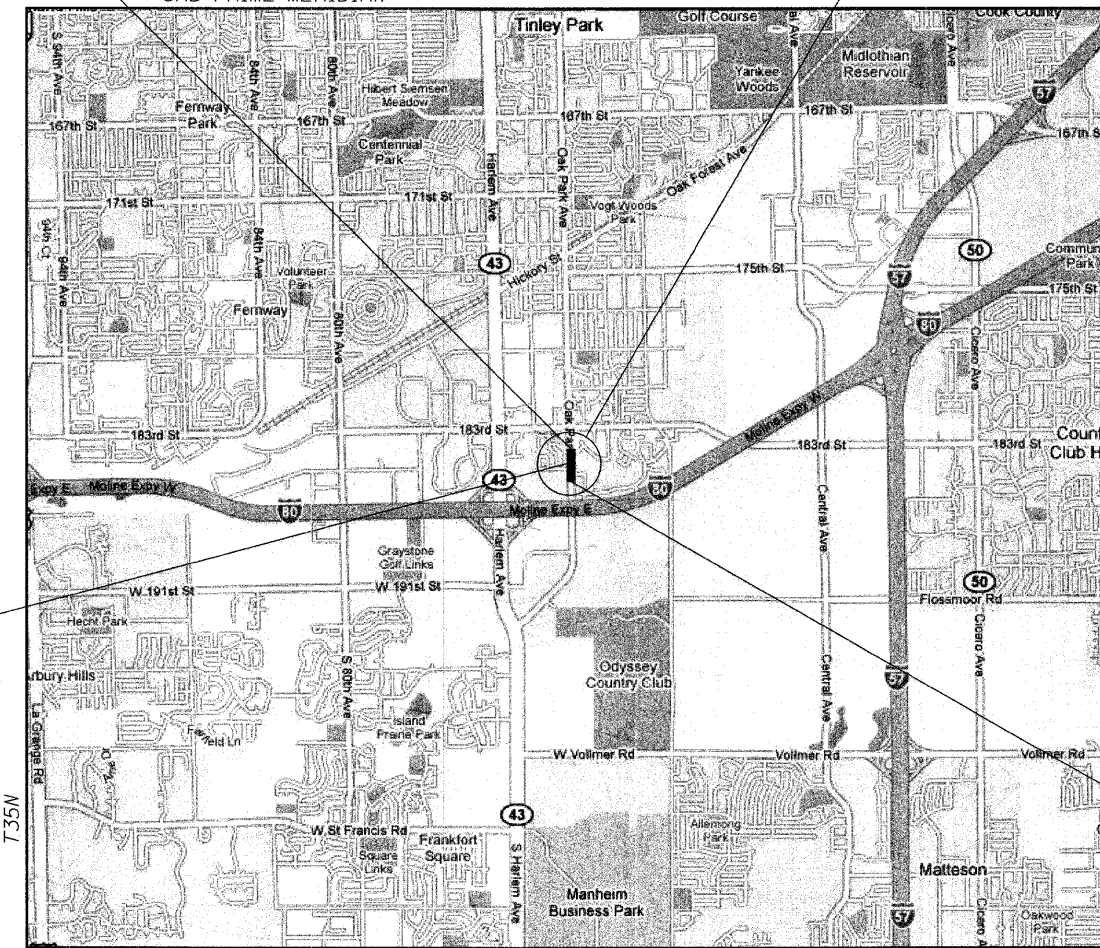
FAU 2774-OAK PARK AVENUE
OVER UNION DRAINAGE DITCH
CULVERT REPLACEMENT

SECTION: 0306T
PROJECT: BRM-2774(002)
COOK COUNTY
C-91-110-07

PROJECT LIMIT
STA. 92+72.6

PROJECT LOCATION

3RD PRIME MERIDIAN



PROJECT LIMIT
STA. 81+97.9



LOCATION OF SECTION INDICATED THIS: - [black rectangle] -

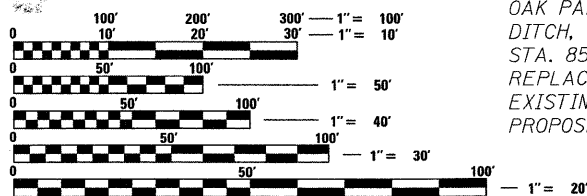
FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION
900 (21) COLLECTOR 0.50 (PCC-20)

ADT: 5,700 YR 2002 9,000 YR 2021

[Signature]
10/08/08
Professional Engineer
No. 006415
Illinois

[Signature]
12/10/08
Professional Engineer
Illinois



OAK PARK AVENUE OVER UNION DRAINAGE
DITCH, VILLAGE OF TINLEY PARK
STA. 85+85.98 REMOVE AND
REPLACE EXISTING STRUCTURE.
EXISTING STRUCTURE NUMBER 016-1019.
PROPOSED STRUCTURE NUMBER 016-2848.

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

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

LOCATION MAP

SCALE: 1" = 3000'
GROSS AND NET LENGTH OF PROJECT = 1074.7 FEET

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED DECEMBER 17, 20 08

[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 27, 20 09
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 27, 20 09
[Signature]
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**



DISTRICT ONE DESIGN/CONSULTANT SERVICES PROJECT MANAGER: HELEN PAZON (847) 705-4523

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STATE STANDARDS

000001-05	604091-02
001001-02	606001-02
001006	606006-02
280001-04	630001-08
424001-05	631011-05
442201-03	635001-01
542301-02	635006-03
601001-03	635011-02
601101-01	667101-01
602001-01	701201-03
602301-02	701901-01
602306-02	704001-05
602401-02	720001-01
602411-01	720011-01
602421-01	728001-01
602601-02	729001-01
602701-02	780001-02
604001-03	781001-03
604036-02	

DISTRICT STANDARDS

BD01	TC10
BD02	TC11
BD03	TC13
BD32	TC21
BD34	TC22
BD37	TC26
BD51	

COMMITMENTS

NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT.

GENERAL NOTES

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN --- ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF RIGHT-OF-WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.

THE CONTRACTOR SHALL COORDINATE ACTIVITIES WITH ALL UTILITIES WITHIN THE PROJECT LIMITS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.

THE APPLICABLE PORTIONS OF ARTICLE 105.07 OF THE STANDARD SPECIFICATIONS SHALL APPLY EXCEPT FOR THE FOLLOWING: THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE THE VERTICAL DEPTHS OF UNDERGROUND UTILITIES WHICH MAY INTERFERE WITH CONSTRUCTION OPERATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE PROJECT.

STREAM FLOWS SHALL BE MAINTAINED THROUGHOUT THE PROJECT. NORMAL FLOWS SHALL BE ALLOWED TO PASS AT THE RATE IT ENTERS THE JOBSITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF TOPSOIL FURNISH & PLACE, 4".

TREE REMOVAL MAY BE NECESSARY PRIOR TO UTILITY COMPANIES BEING ABLE TO RELOCATE THEIR FACILITIES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR SHOULD COORDINATE ANY CONTRACT TREE REMOVAL ACTIVITIES WITH THE UTILITY COMPANIES TO ELIMINATE CONFLICTS AND POTENTIAL DELAYS CAUSED BY UTILITY TREE REMOVAL ACTIVITIES OR INCOMPLETE UTILITY RELOCATIONS.

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

PRIOR APPROVAL FROM IDOT SHALL BE OBTAINED FOR ANY TREE REMOVAL BEYOND THE LIMITS/LOCATIONS INCLUDED IN THE PLANS.

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

THE THICKNESS OF THE HOT-MIX ASPHALT OVERLAY SHOWN ON THE PLANS IS THE NOMINAL THICKNESS FOR THE OVERLAY. DEVIATIONS FROM THE NOMINAL THICKNESS WILL ONLY BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE ON WHICH THE OVERLAY IS PLACED.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION.

THE HMA SURFACE OF THE MAINLINE, ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, INTERSECTIONS, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DESCRIPTION OF LOCATION, ELEVATION, AND COORDINATES FOR EACH PERMANENT SURVEY MARKER. THE ENGINEER SHALL SUBMIT THIS INFORMATION TO THE SURVEY CREW.

EXISTING FENCES SHALL BE REMOVED UP TO EXISTING RIGHT OF WAY WITHIN THE PROJECT LIMITS AND AS SHOWN IN THE PLANS. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE COST OF EARTH EXCAVATION.

TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS THE ENGINEER SHALL CONTACT MS. PATRICE HARRIS, AREA TRAFFIC FIELD TECHNICIAN, AT (708) 597-9800.

ESTIMATED QUANTITIES FOR FURNISHED EXCAVATION HAVE BEEN INCLUDED IN THE CONTRACT PLANS, DUE TO POTENTIAL SETTLEMENT DURING CONSTRUCTION. THESE QUANTITIES SHALL BE USED ONLY AS APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS REQUIRED TO IMPRINT PAVEMENT STATION NUMBERS IN THE FINISHED SURFACE OF THE PAVEMENT AND/OR OVERLAY. THE NUMBERS SHALL BE APPROXIMATELY 3/4 INCH WIDE, 5 INCHES HIGH AND 5/8 INCH DEEP.

THE PAVEMENT STATION NUMBERS SHALL BE INSTALLED AS SPECIFIED HEREIN:
INTERVAL - 200 FEET
BOTTOM OF NUMBERS - 6 INCHES FROM THE INSIDE EDGE OF THE PAVEMENT MARKING

- LOCATION:
- 2,3, & 5 LANE PAVEMENTS - RIGHT EDGE OF PAVEMENT IN DIRECTION OF INCREASING STATIONS
 - MULTI-LANE DIVIDED ROADWAYS - OUTSIDE EDGE OF PAVEMENT IN BOTH DIRECTIONS
 - RAMPS - ALONG BASELINE EDGE OF PAVEMENT
- POSITION - STATIONS SHALL BE PLACED SO THEY CAN BE READ FROM THE ADJACENT SHOULDER
FORMAT - "XXX", WHERE X REPRESENTS THE PAVEMENT STATION

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED PAVEMENT AND/OR OVERLAY PAY ITEMS.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS THE EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF SAW CUTS AND JOINTS IS CONSIDERED AS INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF THE BOX/PIPE CULVERTS, STORM SEWERS, AND/OR PIPE DRAINS REQUIRED PRIOR TO ORDERING THESE ITEMS.

THE WORK AND MATERIALS REQUIRED TO CONNECT ANY CULVERT OR SEWER TO ANOTHER DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE CULVERT OR SEWER ITEMS.

ALL ENGINEER'S FIELD OFFICES SHALL CONTAIN ONE FULLY-EQUIPPED FIRST-AID CABINET. THIS ITEM WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE PAY ITEM FOR ENGINEER'S FIELD OFFICE.

ADD THE FOLLOWING SENTENCE TO THE END OF PARAGRAPH 670.02(I) AND 670.04(E):
ALL OF THE TELEPHONE LINES PROVIDED SHALL HAVE UNPUBLISHED NUMBERS.

THE RESIDENT ENGINEER AND/OR CONTRACTOR SHALL NOTIFY THE TRAFFIC STUDIES TECHNICIAN IN PROGRAM DEVELOPMENT AT LEAST ONE WEEK PRIOR TO THE INSTALLATION OF THE TRAFFIC COUNTER LOOP DETECTOR TO DETERMINE EXACT LOCATION.

THE CONTRACTOR SHALL REMOVE OR RELOCATE ALL CONFLICTING MAILBOXES, EXISTING STREET NAME SIGNS, AND ALL PRIVATE COMMERCIAL SIGNS IN ACCORDANCE WITH ARTICLES 107.20 & 107.25 AND AS DIRECTED BY THE ENGINEER. SIGN LOCATIONS MAY BE ADJUSTED IN THE FIELD TO AVOID ANY FOUND UTILITIES AND AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE COST OF EARTH EXCAVATION. ALL WOOD POST LOCATIONS SHALL BE VERIFIED WITH THE BUREAU OF OPERATIONS, TRAFFIC SECTION, BEFORE INSTALLATION.

IF ANY UNSUITABLE MATERIAL IS ENCOUNTERED DURING CONSTRUCTION, IT WILL BE NECESSARY TO REMOVE THE UNSUITABLE MATERIAL AND REPLACE IT WITH A SUITABLE MATERIAL AS APPROVED BY THE ENGINEER.

INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE USED FOR ALL TEMPORARY SIDE ROAD CROSSINGS. AGGREGATE FOR DRIVEWAY MAINTENANCE MAY BE USED FOR ALL DRIVEWAY CROSSINGS EXCEPT DURING WINTER SHUTDOWN IN ACCORDANCE WITH ARTICLE 107.09.

AT LOCATIONS WHERE CLEARING IS INDICATED ON THE PLANS BEYOND THE LIMITS OF THE PROPOSED EXCAVATION OR EMBANKMENT, THE CONTRACTOR SHALL RESTORE THE DISTURBED EARTH BY BALDING AND SHAPING TO BLEND WITH THE ADJACENT GROUND. THE CLEARING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. RESEEDING OR RESODDING WILL BE AS PROVIDED IN THE PLANS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AC TYPE	AIR VOIDS
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, (IL-9.5mm)	PG 64-22	4% @ 70 Gyr.
FULL-DEPTH PAVEMENT AND PAVEMENT WIDENING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, (IL-9.5mm); 2"	PG 64-22	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, (BINDER IL-19mm), N70	PG 64-22*	4% @ 70 Gyr.
HOT-MIX ASPHALT SHOULDERS		
HOT-MIX ASPHALT SHOULDERS, 8"	PG 64-22*	4% @ 70 Gyr.
INCIDENTAL HMA SURFACING		
INCIDENTAL HOT-MIX ASPHALT SURFACING, 8"	PG 64-22*	4% @ 70 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
• WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

FILE NAME = ...D168087-sht-gennote.dgn	USER NAME = Plotted by Administrator	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS, GENERAL NOTES & COMMITMENTS OAK PARK AVENUE OVER UNION DRAINAGE DITCH	F.A.U. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 2
	PLOT SCALE = 20.0000' / IN.	DRAWN - ST	REVISED -			CONTRACT NO. 60C07				
	PLOT DATE = 1/18/2009	CHECKED - FL	REVISED -			SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
		DATE - 10/2008	REVISED -							

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODES		
PAY CODE	ITEM DESCRIPTION	UNIT	URBAN TOTAL QUANTITY	80% FEDERAL / 20% STATE	
				ROADWAY 1000	CULVERT X028-2A
20100500	TREE REMOVAL, ACRES	ACRE	0.25	0.25	
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	105	105	
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	105	105	
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	105	105	
20200100	EARTH EXCAVATION	CU YD	5980	5980	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	4215	3871	744
20300100	CHANNEL EXCAVATION	CU YD	182	182	
20400800	FURNISHED EXCAVATION	CU YD	1800	1800	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	1150	1150	
20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	1320	1320	
20800150	TRENCH BACKFILL	CU YD	140.7	140.7	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3950	3950	
21101615	TOP SOIL FURNISH AND PLACE, 4"	SQ YD	4814.7	4814.7	
25000210	SEEDING, CLASS 2A	ACRE	1	1	
25100115	MULCH, METHOD 2	ACRE	1	1	
25100630	EROSION CONTROL BLANKET	SQ YD	4855.9	4855.9	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	600	600	
28000300	TEMPORARY DITCH CHECKS	EACH	16	16	
28000400	PERIMETER EROSION BARRIER	FOOT	1047.6	1047.6	
28000500	AND INLET PIPE PROTECTION	EACH	11	11	
28000510	INLET FILTERS	EACH	16	16	
28100107	STONE RIPRAP, CLASS A4	SQ YD	121		121
28200200	FILTER FABRIC	SQ YD	168		168

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODES		
PAY CODE	ITEM DESCRIPTION	UNIT	URBAN TOTAL QUANTITY	80% FEDERAL / 20% STATE	
				ROADWAY 1000	CULVERT X028-2A
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	4.5	4.5	
40600300	AGGREGATE (PRIME COAT)	TON	16.2	16.2	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	4.3	4.3	
40600895	CONSTRUCTING TEST STRIP	EACH	4	4	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1151	1151	
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	290	290	
40600005	HOT-MIX ASPHALT BINDER COURSE, IL 10.0, N70	TON	2071.0	2071.0	
40600040	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	744	744	
40701856	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8 3/4"	SQ YD	6367.4	6367.4	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	30	30	
42001300	PROTECTIVE COAT	SQ YD	3213	3213	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	9419	9419	
42400800	DETECTABLE WARNINGS	SQ FT	36.3	36.3	
44000100	PAVEMENT REMOVAL	SQ YD	5090.8	5090.8	
44000100	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	876.7	876.7	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	993	993	
44000600	SIDEWALK REMOVAL	SQ FT	773	773	
44000920	BITUMINOUS CONCRETE SHOULDER REMOVAL	SQ YD	432	432	
44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SQ YD	268	268	
44002600	GUTTER OUTLET REMOVAL	FOOT	59.6	59.6	
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	268	268	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	2152	2152	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	71	71	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50105220	PIPE CULVERT REMOVAL	FOOT	87	87	
50900405	STEEL RAILING, TYPE TP-1	FOOT	60.7		60.7

SUMMARY OF QUANTITIES

COLLINS ENGINEERS	QUANTITIES SHEET NO. 1 OF 3 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		2774	0306T	COOK	55	3
DESIGNED: LDB	CHECKED: JMH	SN: 016-2848		CONTRACT NO. 60C07		
DATE: 01/29/09	DRAWN: DR	FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODES 80% FEDERAL / 20% STATE	
PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 1000	CULVERT X028-2A
51500100	NAME PLATES	EACH	1		1
54001000	BOX CULVERT END SECTIONS	EACH	2		2
54011108	PRECAST CONCRETE BOX CULVERT 11'X8"	FOOT	105		105
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1	
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	4	4	
54213705	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 60"	EACH	1	1	
NP 55030200	STORM SEWERS TO BE CLEANED 24"	FOOT	169.6	169.6	
55100900	STORM SEWER REMOVAL 18"	FOOT	101.8	101.8	
NP 55039000	STORM SEWERS TO BE CLEANED 60"	FOOT	410.6	410.6	
55102100	STORM SEWER REMOVAL 60"	FOOT	58	58	
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	2	2	
60107600	PIPE UNDERDRAINS 4"	FOOT	200	200	
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	50	50	
60109510	PIPE UNDERDRAINS, FABRIC LINED TRENCH 4"	FOOT	250	250	
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2	
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	6	6	
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1	
60224445	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2	
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
60228400	MANHOLES, SPECIAL	EACH	2	2	
60500040	REMOVING MANHOLES	EACH	3	3	
60603300	GUTTER OUTLET	EACH	1	1	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	467.1	467.1	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1362.6	1362.6	

NP = NON-PARTICIPATING
* - Specialty Items

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODES 80% FEDERAL / 20% STATE	
PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 1000	CULVERT X028-2A
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	275	275	
* 63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	87.5	87.5	
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	391.5	391.5	
* 63300725	STEEL PLATE BEAM GUARD RAIL (SHORT RADIUS)	FOOT	88.6	88.6	
63500105	DELINEATORS	EACH	4	4	
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	1	1	
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	1	1	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	120	120	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	24	24	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1200	1200	
70300200	TEMPORARY PAVEMENT MARKING	FOOT	1200	1200	
70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	2000	2000	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1070	1070	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	218.4	218.4	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4557.9	4557.9	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	682.8	682.8	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	214	214	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	71	71	

SUMMARY OF QUANTITIES

COLLINS ENGINEERS		QUANTITIES SHEET NO. 2 OF 3 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			2774	0306T	COOK	55	4
DESIGNED: LDB	CHECKED: JMH	SN: 016-2848		CONTRACT NO. 60C07			
DATE: 01/29/09	DRAWN: DR	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

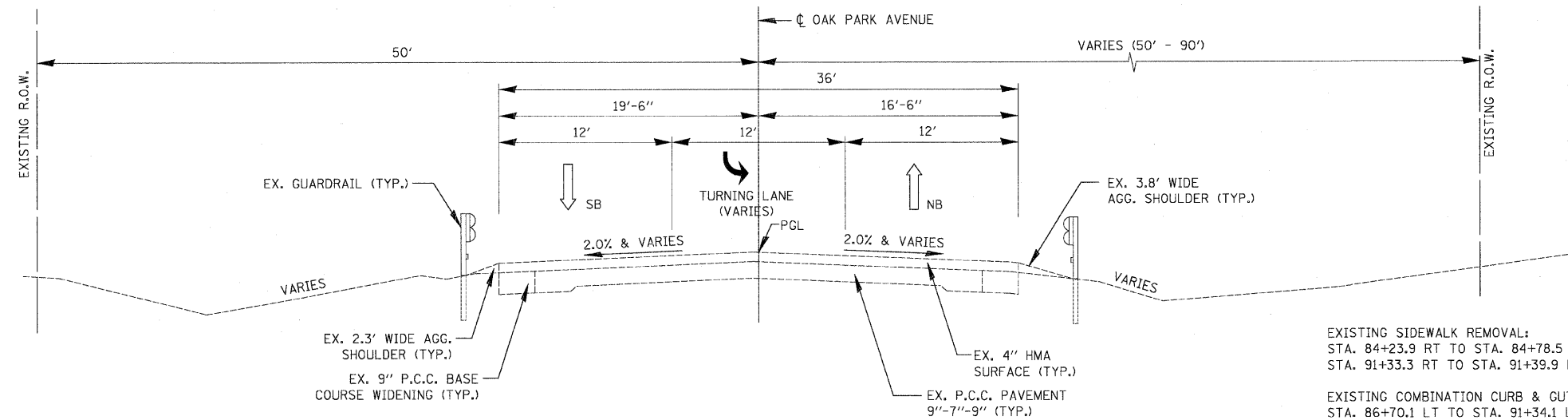
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODES	
PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	80% FEDERAL / 20% STATE	
				ROADWAY 1000	CULVERT X028-2A
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	67	67	
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	12	12	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	504.5	504.5	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	76	76	
542A1063	PIPE CULVERTS, CLASS A TYPE 2 18"	FOOT	141	141	
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	354.2	354.2	
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	56.0	56.0	
550A0500	STORM SEWERS, CLASS A, TYPE 2 60"	FOOT	49.4	49.4	
X0322033	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	70.3	70.3	
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	420	420	
X0322324	WEED CONTROL, TEASEL	POUND	0.16	0.16	
X0322467	TEMPORARY INFORMATION SIGNING FOR LANE CLOSURE	SQ FT	280	280	
X0325737	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	6	6	
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1	1	
XX003503	FLARED END SECTION REMOVAL	EACH	3	3	
NP XX005656	INLET FILTER CLEANING	EACH	16	16	
XX006277	TEMPORARY SEDIMENT TRAP	EACH	2	2	
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	6374	6374	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0024478	FLEXIBLE DELINEATORS	EACH	320	320	
Ⓞ Z0076600	TRAINERS	HOUR	500	500	

NP= Non-participating
* - Specialty Items
Ⓞ 1080

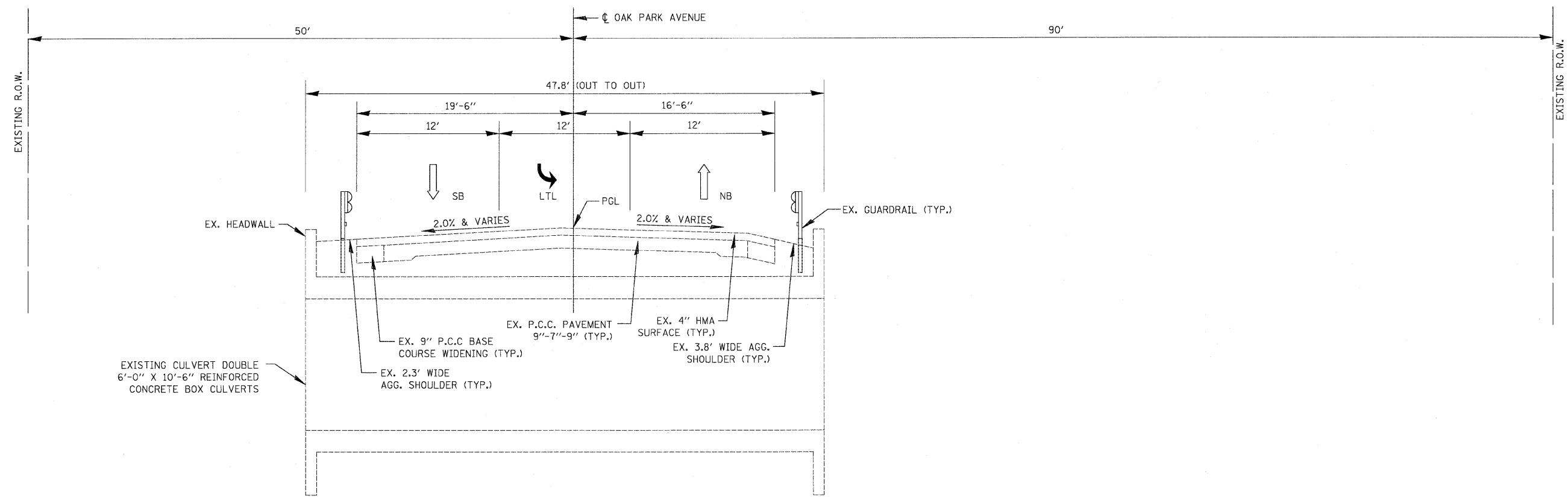
SUMMARY OF QUANTITIES

COLLINS ENGINEERS		QUANTITIES SHEET NO. 3 OF 3 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			2774	0306T	COOK	55	5
DESIGNED: LDB	CHECKED: JMH	SN: 016-2848		CONTRACT NO. 60C07			
DATE: 01/29/09	DRAWN: DR	FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

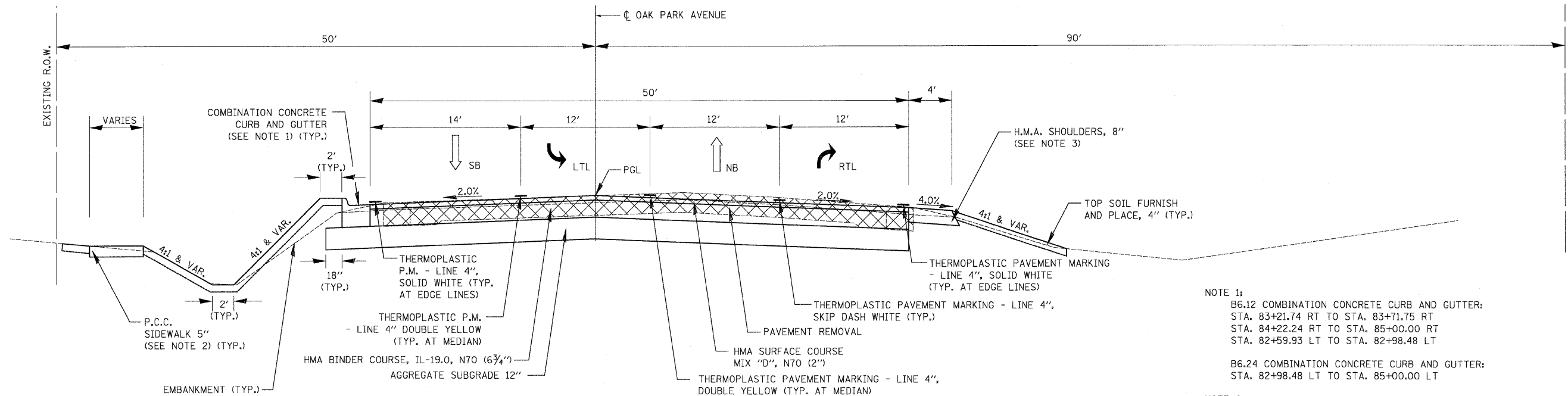


EXISTING SIDEWALK REMOVAL:
STA. 84+23.9 RT TO STA. 84+78.5 RT
STA. 91+33.3 RT TO STA. 91+39.9 RT

EXISTING COMBINATION CURB & GUTTER REMOVAL:
STA. 86+70.1 LT TO STA. 91+34.1 LT
STA. 83+19.8 RT TO STA. 83+71.8 RT
STA. 84+22.2 RT TO STA. 86+70.9 RT
STA. 91+35.0 RT TO STA. 91+41.5 RT



FILE NAME = ...D160C07-shr-typical.dgn	USER NAME = Plotted by fin	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS OAK PARK AVENUE OVER UNION DRAINAGE DITCH			F.A.U. RTE. 2744	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 6
PLOT SCALE = 5.0000" / IN.	CHECKED - FL	REVISED -	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. 81+97.90 TO STA. 85+00.00	CONTRACT NO. 60C07				
PLOT DATE = 12/9/2008	DATE - 10/2008	REVISED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



PROPOSED TYPICAL SECTION (LOOKING NORTH)

STA. 81+97.89 TO STA. 85+00.00

NOTE 1:
 B6.12 COMBINATION CONCRETE CURB AND GUTTER:
 STA. 83+21.74 RT TO STA. 83+71.75 RT
 STA. 84+22.24 RT TO STA. 85+00.00 RT
 STA. 82+59.93 LT TO STA. 82+98.48 LT

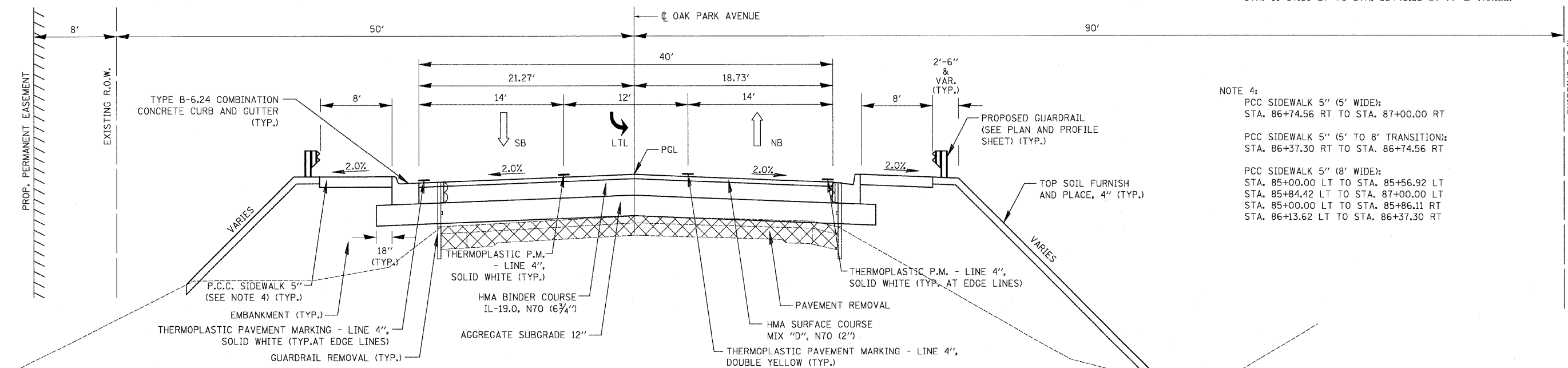
B6.24 COMBINATION CONCRETE CURB AND GUTTER:
 STA. 82+98.48 LT TO STA. 85+00.00 LT

NOTE 2:
 PCC SIDEWALK 5" (5' WIDE):
 STA. 82+62.81 LT TO STA. 84+10.00, LT

PCC SIDEWALK 5" (5' TO 8' TRANSITION):
 STA. 84+10.00 LT TO STA. 84+50.00 LT
 STA. 84+23.82 LT TO STA. 85+00.00 RT

PCC SIDEWALK 5" (8' WIDE):
 STA. 84+50.00 LT TO STA. 85+00.00, LT

NOTE 3:
 HMA SHOULDERS, 8"
 STA. 81+97.89 RT TO STA. 82+98.77 RT (4')
 STA. 81+97.89 LT TO STA. 82+40.33 LT (4' & VARIES)



PROPOSED TYPICAL SECTION (LOOKING NORTH)

STA. 85+00.00 TO STA. 85+50.94 & STA. 86+21.02 TO STA. 87+00.00

NOTE 4:
 PCC SIDEWALK 5" (5' WIDE):
 STA. 86+74.56 RT TO STA. 87+00.00 RT

PCC SIDEWALK 5" (5' TO 8' TRANSITION):
 STA. 86+37.30 RT TO STA. 86+74.56 RT

PCC SIDEWALK 5" (8' WIDE):
 STA. 85+00.00 LT TO STA. 85+56.92 LT
 STA. 85+84.42 LT TO STA. 87+00.00 LT
 STA. 85+00.00 LT TO STA. 85+86.11 RT
 STA. 86+13.62 LT TO STA. 86+37.30 RT

FILE NAME =
 ...D160C07-sh1-typical.dgn

USER NAME = Plotted by flin

DESIGNED - ST
 DRAWN - ST

REVISED -
 REVISED -
 REVISED -
 REVISED -

PLOT SCALE = 5.0000" / IN.
 PLOT DATE = 12/9/2008

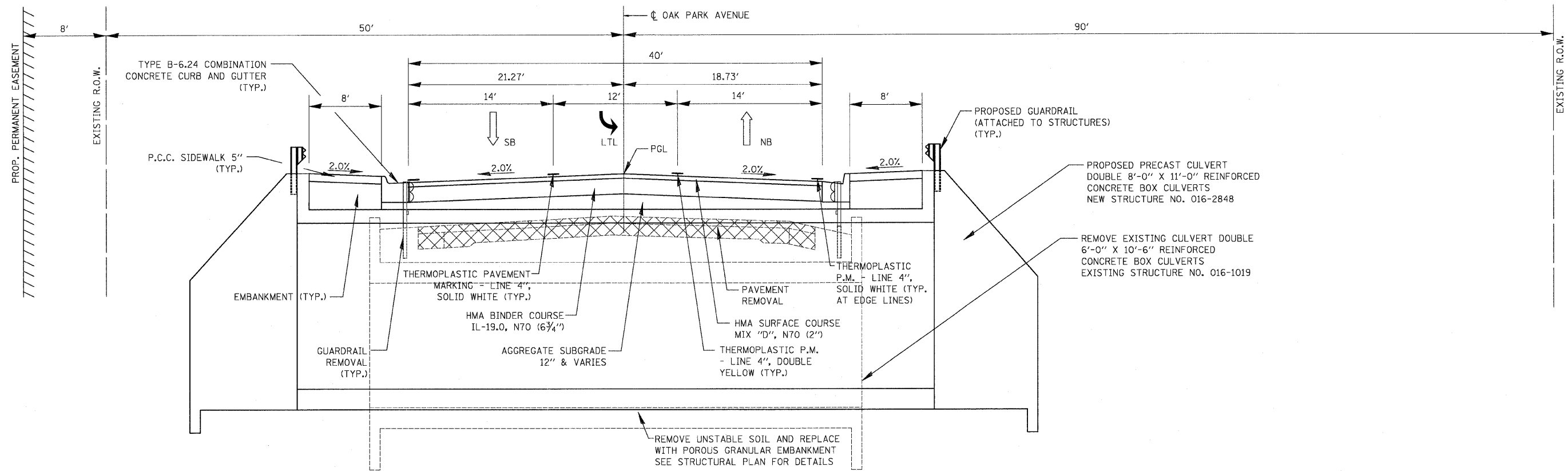
CHECKED - FL
 DATE - 10/2008

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

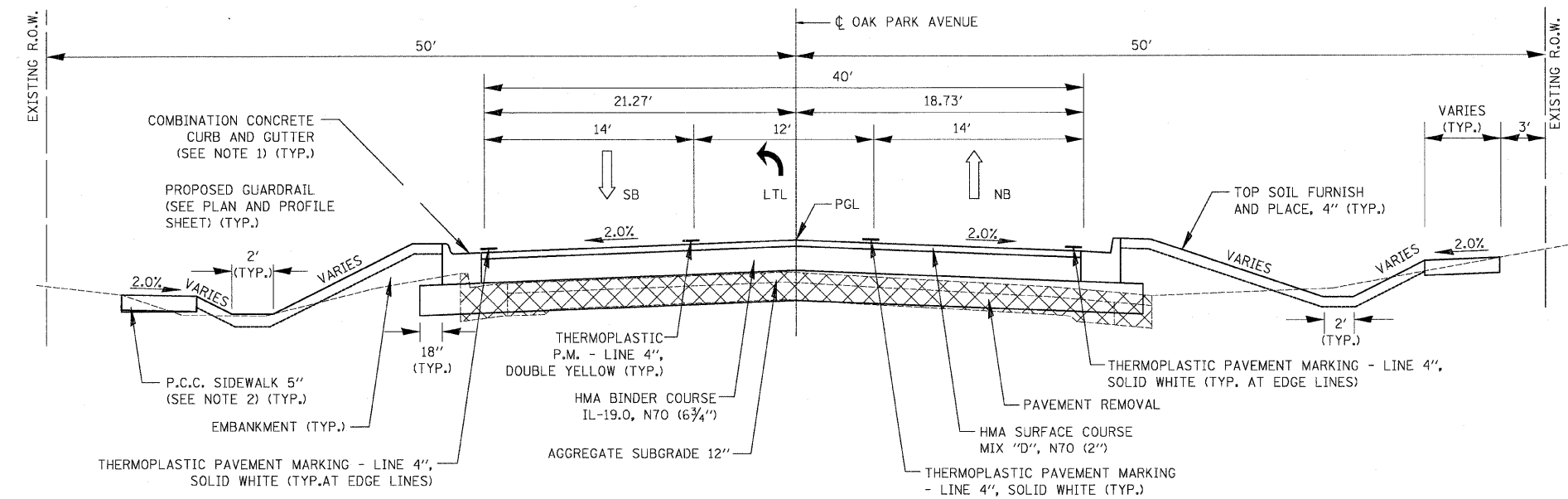
TYPICAL SECTIONS
 OAK PARK AVENUE OVER UNION DRAINAGE DITCH

SCALE: N.T.S. SHEET NO. OF SHEETS STA. 85+00.00 TO STA. 87+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2774	0306T	COOK	55	7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60C07	



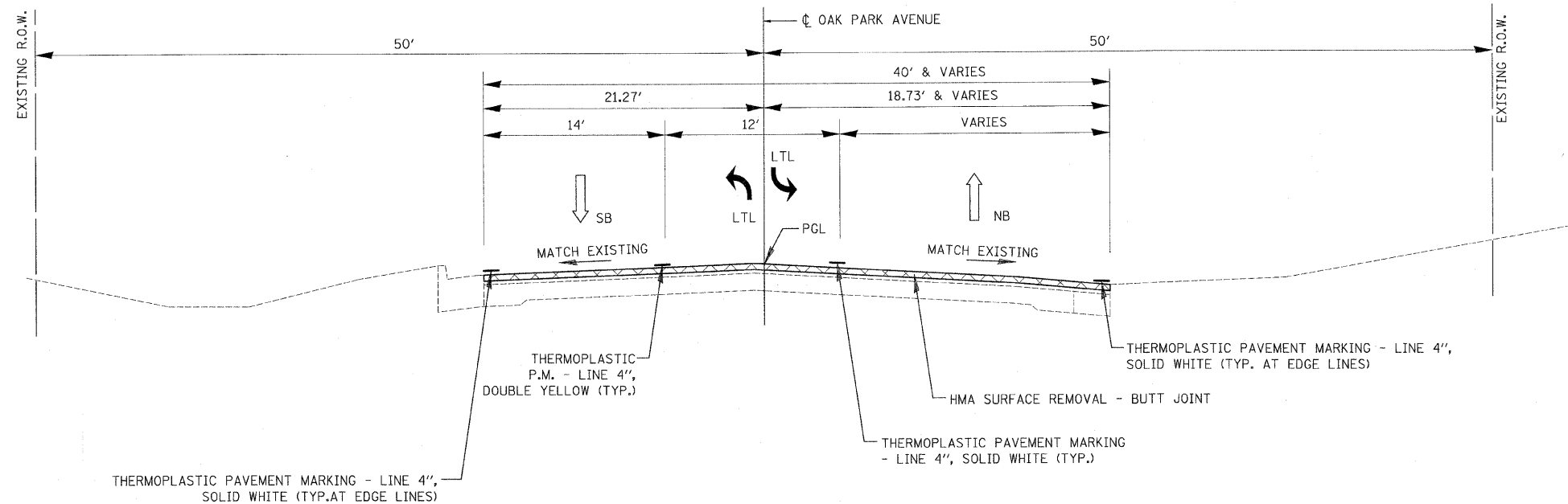
PROPOSED TYPICAL SECTION AT CULVERT (LOOKING NORTH)
 STA. 85+50.94 TO STA. 86+21.02
 NEW STRUCTURE NO. 016-2848



PROPOSED TYPICAL SECTION (LOOKING NORTH)
 STA. 87+00.00 TO STA. 91+55.94

- NOTE 1:**
 B6.12 COMBINATION CONCRETE CURB AND GUTTER:
 STA. 90+94.06 LT TO STA. 91+34.06 LT
 STA. 90+81.62 RT TO STA. 91+41.62 RT
 B6.24 COMBINATION CONCRETE CURB AND GUTTER:
 STA. 87+00.00 LT TO STA. 90+94.06 LT
 STA. 87+00.00 RT TO STA. 90+81.62 RT
NOTE 2:
 PCC SIDEWALK 5" (5' WIDE):
 STA. 87+45.00 LT TO STA. 91+31.91 LT
 STA. 87+00.00 RT TO STA. 91+40.04 RT
 PCC SIDEWALK 5" (5' TO 8' TRANSITION):
 STA. 87+00.00 LT TO STA. 87+45.00 LT

FILE NAME = ...0160087-shr-typical.dgn	USER NAME = Plotted by flm	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS OAK PARK AVENUE OVER UNION DRAINAGE DITCH		F.A.U. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 8	
PLOT SCALE = 5.0000' / IN.		DRAWN - ST	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. 87+00.00 TO STA. 92+72.60	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/9/2008		CHECKED - FL	REVISED -		CONTRACT NO. 60C07							
DATE = 10/2008		DATE = 10/2008	REVISED -									



PROPOSED TYPICAL SECTION (LOOKING NORTH)
 STA. 91+55.94 TO STA. 92+72.60

STRUCTURAL PAVEMENT DESIGN INFORMATION
 OAK PARK AVENUE

ADT = 5,700 (2002); 9,000 (2021)	
50 MPH IS THE DESIGN SPEED	
2021 IS THE DESIGN YEAR	
PV = (100.0%); SU = (0.0%); MU = (0.0%)	
ROAD/STREET CLASSIFICATION: COLLECTOR (URBAN)	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
PV= 50%	SU = 50% MU = 50%
TRAFFIC FACTOR:	ACTUAL TF = 0.01 AC TYPE = PG 64-22
	RIGID TF = 0.01
	FLEXIBLE TF = 0.50
MIX COMPOSITION:	BINDER = IL 19.0 SURFACE = IL 9.5
SUBGRADE SUPPORT RATING:	
SSR= POOR (STA. 81+97.89 TO STA. 92+72.60)	

FILE NAME = ...ND169C07-shr-typical_RI.dgn	USER NAME = Plotted by Administrator	DESIGNED - ST	REVISED - 03/05/2009	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS OAK PARK AVENUE OVER UNION DRAINAGE DITCH			F.A.U. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 9
PLOT SCALE = 5.0000' / IN.	CHECKED - FL	REVISER -	REVISER -		SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. 87+00.00 TO STA. 92+72.60	CONTRACT NO. 60C07				
PLOT DATE = 3/18/2009	DATE - 10/2008	REVISER -	REVISER -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

EARTHWORK

LOCATION	EARTH EXCAVATION	EMBANKMENT	EARTH EXCAVATION ADJ. FOR SHRINKAGE	CHANNEL EXCAVATION	CHANNEL EXCAVATION ADJ. FOR SHRINKAGE	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL WASTE (+)
STATION TO STATION	CU. YD.					
81+97.89 TO 85+85.98	2,539	888	2,159			+1,271
85+85.98 TO 85+98.93				182	155	+155
85+98.93 TO 92+72.60	3,440	479	2,924			+2,445
TOTAL	5,979	1,367	5,083	182	155	+3,871

NOTE:

SHRINKAGE FACTOR = 15% FOR EARTH AND CHANNEL EXCAVATION.
 CHANNEL EXCAVATION ASSUMED TO BE SUITABLE MATERIAL, AND IS INCLUDED IN EARTHWORK BALANCE.
 EARTH EXCAVATION AND FURNISHED EXCAVATION TOTALS IN THE SUMMARY OF QUANTITIES ARE ROUNDED TO THE NEAREST 5 CU. YDS.
 CHANNEL EXCAVATION TOTAL IS ROUNDED TO THE NEAREST 1 CU. YD.
 AN ADDITIONAL ESTIMATED QUANTITY OF 1800 CU. YD. IS PROVIDED FOR FURNISHED EXCAVATION TO BE USED ONLY IF APPROVED BY THE ENGINEER.

TEMPORARY DITCH CHECKS

LOCATION	QUANTITY
STA.	OFFSET (EACH)
83+32.05	LT 1
84+78.26	LT 1
85+11.90	LT 1
86+47.50	LT 1
88+24.50	LT 1
88+92.33	LT 1
89+72.10	LT 1
90+45.20	LT 1
85+10.98	RT 1
85+48.20	RT 1
87+37.73	RT 1
87+78.40	RT 1
88+67.59	RT 1
89+17.60	RT 1
89+95.00	RT 1
90+41.04	RT 1
TOTAL	16

TREE REMOVAL, ACRES

LOCATION	QUANTITY
STATION	OFFSET (ACRE)
84+38.60 TO 86+27.07	RT 0.12
85+30.60 TO 85+56.20	LT 0.01
85+60.20 TO 85+92.50	LT 0.01
86+12.80 TO 86+79.30	RT 0.06
TOTAL	0.25

TOPSOIL FURNISH AND PLACE, 4"

LOCATION	QUANTITY
STATION	OFFSET (SQ YD)
81+97.89 TO 85+85.98	LT 817.4
85+85.98 TO 91+55.38	LT 1276.8
81+97.89 TO 85+85.98	RT 1210.6
85+85.98 TO 91+55.38	RT 1509.9
TOTAL	4814.7

NITROGEN FERTILIZER NUTRIENT

LOCATION	QUANTITY	QUANTITY
STATION	OFFSET (ACRE)	(POUNDS)
81+97.9 TO 82+36.5	LT 0.01	0.87
81+97.9 TO 83+70.2	RT 0.08	6.77
82+61.5 TO 85+53.8	LT 0.08	7.00
82+65.2 TO 84+50.1	LT 0.07	5.85
84+28.8 TO 86+20.5	RT 0.18	16.04
85+66.7 TO 91+32.5	LT 0.13	11.76
86+14.8 TO 91+35.0	RT 0.08	7.44
86+32.2 TO 91+26.5	RT 0.22	19.75
87+00.0 TO 91+26.9	LT 0.16	14.81
TOTAL		105

PHOSPHOROUS FERTILIZER NUTRIENT

LOCATION	QUANTITY	QUANTITY
STATION	OFFSET (ACRE)	(POUNDS)
81+97.9 TO 82+36.5	LT 0.01	0.87
81+97.9 TO 83+70.2	RT 0.08	6.77
82+61.5 TO 85+53.8	LT 0.08	7.00
82+65.2 TO 84+50.1	LT 0.07	5.85
84+28.8 TO 86+20.5	RT 0.18	16.04
85+66.7 TO 91+32.5	LT 0.13	11.76
86+14.8 TO 91+35.0	RT 0.08	7.44
86+32.2 TO 91+26.5	RT 0.22	19.75
87+00.0 TO 91+26.9	LT 0.16	14.81
TOTAL		105

POTASSIUM FERTILIZER NUTRIENT

LOCATION	QUANTITY	QUANTITY
STATION	OFFSET (ACRE)	(POUNDS)
81+97.9 TO 82+36.5	LT 0.01	0.87
81+97.9 TO 83+70.2	RT 0.08	6.77
82+61.5 TO 85+53.8	LT 0.08	7.00
82+65.2 TO 84+50.1	LT 0.07	5.85
84+28.8 TO 86+20.5	RT 0.18	16.04
85+66.7 TO 91+32.5	LT 0.13	11.76
86+14.8 TO 91+35.0	RT 0.08	7.44
86+32.2 TO 91+26.5	RT 0.22	19.75
87+00.0 TO 91+26.9	LT 0.16	14.81
TOTAL		105

TRENCH BACKFILL

LOCATION	QUANTITY
STATION	OFFSET (CU YD)
82+00.00 TO 83+00.00	34.8' LT TO 33.8' LT 7.05
84+00.00 TO 84+40.00	36.2' LT TO 40.9' LT 2.42
86+30.10 TO 86+73.00	54.4' RT TO 29.8' RT 44.95
86+35.00 TO 87+00.00	59.5' RT TO 32.7' RT 36.93
87+00.00 TO 87+50.00	47.0' LT TO 22.6' LT 6.82
87+50.00 TO 87+50.00	22.6' LT TO 20.0' RT 8.93
87+50.00 TO 89+25.00	22.6' LT TO 39.0' LT 13.00
89+25.00 TO 89+25.00	22.6' LT TO 20.0' RT 7.27
90+83.70 TO 90+95.00	18.7' RT TO 21.3' LT 12.03
90+83.60 TO 90+83.70	27.7' RT TO 18.7' RT 1.30
TOTAL	140.7

SEEDING, CLASS 2A

LOCATION	QUANTITY
STATION	OFFSET (ACRE)
81+97.90 TO 82+36.50	LT 0.01
81+89.70 TO 83+70.20	RT 0.08
82+61.50 TO 85+53.80	LT 0.08
82+65.20 TO 84+50.10	LT 0.06
84+28.80 TO 86+20.50	RT 0.18
85+66.70 TO 91+32.50	LT 0.13
86+14.80 TO 91+35.00	RT 0.08
86+32.20 TO 91+26.50	RT 0.22
87+00.00 TO 91+26.90	LT 0.16
TOTAL	1.00

MULCH, METHOD 2

LOCATION	QUANTITY
STATION	OFFSET (ACRE)
81+97.90 TO 82+36.50	LT 0.01
81+89.70 TO 83+70.20	RT 0.08
82+61.50 TO 85+53.80	LT 0.08
82+65.20 TO 84+50.10	LT 0.06
84+28.80 TO 86+20.50	RT 0.18
85+66.70 TO 91+32.50	LT 0.13
86+14.80 TO 91+35.00	RT 0.08
86+32.20 TO 91+26.50	RT 0.22
87+00.00 TO 91+26.90	LT 0.16
TOTAL	1.00

EROSION CONTROL BLANKET

LOCATION	QUANTITY
STATION	OFFSET (SQ YD)
81+97.90 TO 82+36.50	LT 46.6
81+97.90 TO 83+70.20	RT 364.1
82+61.50 TO 85+53.80	LT 376.5
82+65.20 TO 84+50.10	LT 314.6
84+28.80 TO 86+20.50	RT 862.9
85+66.70 TO 91+32.50	LT 632.6
86+14.80 TO 91+35.00	RT 400.4
86+32.20 TO 91+26.50	RT 1062.1
87+00.00 TO 91+26.90	LT 796.1
TOTAL	4855.9

TEMPORARY EROSION CONTROL SEEDING

LOCATION	QUANTITY
	(POUND)
*JOBSITE	600
TOTAL	600

WEED CONTROL, TEASEL

LOCATION	QUANTITY
	(POUND)
*JOBSITE	0.16
TOTAL	0.16

*ESTIMATED QUANTITY

PRECAST REINFORCED CONCRETE
FLARED END SECTIONS, 60"

LOCATION		QUANTITY
STATION	OFFSET	(EACH)
86+30.10	54.4' RT	1
TOTAL		1

CONCRETE HEADWALL
FOR PIPE DRAINS

LOCATION		QUANTITY
		(EACH)
*JOBSITE		2
TOTAL		2

PIPE UNDERDRAINS 4"

LOCATION		QUANTITY
		(FOOT)
*JOBSITE		200
TOTAL		200

CATCH BASINS, TYPE A, 4' DIAMETER,
TYPE 24 FRAME AND GRATE

LOCATION		QUANTITY
STATION	OFFSET	(EACH)
83+54.00	22.5' LT	1
87+50.00	20.0' RT	1
89+25.00	22.6' LT	1
89+25.00	20.0' RT	1
90+83.70	21.3' LT	1
90+83.70	18.7' RT	1
TOTAL		6

GUTTER OUTLET

LOCATION		QUANTITY
STATION	OFFSET	(EACH)
82+82.82 TO 83+16.99	RT	1
TOTAL		1

TRAFFIC BARRIER TERMINAL, TYPE 2

LOCATION		QUANTITY
STATION	OFFSET	(EACH)
84+31.68 TO 84+46.21	LT	1
87+04.20 TO 87+18.90	LT	1
84+54.17 TO 84+68.31	RT	1
86+58.35 TO 86+72.32	RT	1
TOTAL		4

STORM SEWERS, CLASS A, TYPE 2, 12"

LOCATION		QUANTITY
STATION/OFFSET		(FOOT)
83+54.0; 22.5' LT TO 83+54.0; 32.5' LT		12.0
87+50.0; 20.0' RT TO 87+50.0; 22.6' LT		42.6
87+50.0; 35.5' LT TO 87+50.0; 22.6' LT		13.0
89+25.0; 39.0' LT TO 87+50.0; 22.6' LT		175.8
89+25.0; 22.6' LT TO 89+25.0; 39.0' LT		16.4
89+25.0; 20.0' RT TO 89+25.0; 22.6' LT		42.6
90+83.7; 21.3' LT TO 90+83.7; 18.7' RT		41.5
90+83.7; 18.7' RT TO 90+83.6; 27.7' RT		10.3
TOTAL		354.2

PIPE UNDERDRAINS 4" (SPECIAL)

LOCATION		QUANTITY
		(FOOT)
*JOBSITE		50
TOTAL		50

COMBINATION CONCRETE CURB
AND GUTTER, TYPE B-6.12

LOCATION		QUANTITY
STATION	OFFSET	(FOOT)
82+59.93 TO 82+98.48	LT	52.0
83+21.74 TO 83+71.75	RT	100.2
84+22.24 TO 85+00.00	RT	141.7
90+81.62 TO 91+41.62	RT	94.2
90+94.06 TO 91+34.06	LT	79.0
TOTAL		467.1

GUARDRAIL REMOVAL

LOCATION		QUANTITY
STATION	OFFSET	(FOOT)
84+09.68 TO 86+23.85	LT	214.2
85+06.10 TO 86+83.26	RT	177.3
TOTAL		391.5

STORM SEWERS, CLASS A, TYPE 2, 15"

LOCATION		QUANTITY
STATION/OFFSET		(FOOT)
87+50.00; 22.6' LT TO 87+00.00; 47.0 LT		56.0
TOTAL		56.0

STORM SEWERS, CLASS A, TYPE 2, 60"

LOCATION		QUANTITY
STATION/OFFSET		(FOOT)
86+73.00; 29.8' RT TO 86+30.10; 54.4' RT		49.4
TOTAL		49.4

PIPE UNDERDRAINS,
FABRIC LINED TRENCH 4"

LOCATION		QUANTITY
		(FOOT)
*JOBSITE		250
TOTAL		250

CATCH BASINS, TYPE A,
4'-DIAMETER, TYPE 8 GRATE

LOCATION		QUANTITY
STATION	OFFSET	(EACH)
87+00.00	32.7' RT	1
87+50.00	35.5' LT	1
TOTAL		2

COMBINATION CONCRETE CURB
AND GUTTER, TYPE B-6.24

LOCATION		QUANTITY
STATION	OFFSET	(FOOT)
82+98.48 TO 90+94.06	LT	795.5
85+00.00 TO 90+81.62	RT	567.1
TOTAL		1362.6

STEEL PLATE BEAM GUARD RAIL
(SHORT RADIUS)

LOCATION		QUANTITY
STATION	OFFSET	(FOOT)
84+46.21 TO 84+52.21	LT	6.2
86+89.71 TO 87+04.20	LT	14.3
84+68.31 TO 85+11.46	RT	43.9
86+23.96 TO 86+47.17	RT	24.2
TOTAL		88.6

STORM SEWER REMOVAL, 18"

LOCATION		QUANTITY
STATION/OFFSET		(FOOT)
84+46.20; 31.6' LT TO 85+47.70; 27.9' LT		101.8
TOTAL		101.8

STORM SEWER REMOVAL, 60"

LOCATION		QUANTITY
STATION/OFFSET		(FOOT)
86+15.10; 30.3' RT TO 86+77.00; 29.7' RT		58
TOTAL		58

REMOVING MANHOLES

LOCATION		QUANTITY
STATION	OFFSET	(EACH)
83+62.93	50.5' RT	1
84+32.84	51.5' RT	1
90+83.59	27.7' RT	1
TOTAL		3

STEEL PLATE BEAM GUARD RAIL, TYPE A

LOCATION		QUANTITY
STATION	OFFSET	(FOOT)
84+52.21 TO 85+52.21	LT	100.0
86+02.21 TO 86+89.71	LT	87.5
85+11.46 TO 85+86.46	RT	75.0
86+47.17 TO 86+58.35	RT	12.5
TOTAL		275.0

DELINEATORS

LOCATION		QUANTITY
S.N. 016-2848		(EACH)
NORTHWEST CORNER	LT	1
NORTHEAST CORNER	RT	1
SOUTHWEST CORNER	LT	1
SOUTHEAST CORNER	RT	1
TOTAL		4

MANHOLES, TYPE A, 5' DIA.,
TYPE 1 FRAME, OPEN LID

LOCATION		QUANTITY
STATION	OFFSET	(EACH)
83+62.93	50.5' RT	1
TOTAL		1

MANHOLES, TYPE A, 7' DIA.,
TYPE 1 FRAME, OPEN LID

LOCATION		QUANTITY
STATION	OFFSET	(EACH)
84+32.84	51.5' RT	1
87+50.00	22.6' LT	1
TOTAL		2

MANHOLES, TYPE A, 7' DIA.,
TYPE 1 FRAME, CLOSED LID

LOCATION		QUANTITY
STATION	OFFSET	(EACH)
89+25.00	39.0' LT	1
TOTAL		1

MANHOLES, SPECIAL

LOCATION		QUANTITY
STATION	OFFSET	(EACH)
86+73.00	29.8' RT	1
90+86.30	27.7' RT	1
TOTAL		2

STEEL PLATE BEAM GUARD RAIL
ATTACHED TO STRUCTURES

LOCATION		QUANTITY
STATION	OFFSET	(FOOT)
85+52.21 TO 86+02.21	LT	50.0
85+86.46 TO 86+23.96	RT	37.5
TOTAL		87.5

PERMANENT SURVEY MARKERS, TYPE 1

LOCATION		QUANTITY
		(EACH)
JOBSITE		1
TOTAL		1

*ESTIMATED QUANTITY

FILE NAME =	USER NAME = Plotted by Administrator	DESIGNED - OWR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES OAK PARK AVENUE OVER UNION DRAINAGE DITCH				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
...D160C07-shr-schedules_Rt.dgn		DRAWN - OWR	REVISED -		SCALE: NONE	SHEET NO.	OF	SHEETS	STA.	TO STA.	2774	0306T	COOK	55	12
		CHECKED - FML	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
		DATE - 10/2008	REVISED -						CONTRACT NO. 60C07						

FLARED END SECTION REMOVAL

LOCATION	QUANTITY
STATION/OFFSET	(EACH)
84+46.1; 31.55' LT	1
85+47.7; 27.65' LT	1
86+18.6; 30.04' RT	1
TOTAL	3

AGGREGATE SUBGRADE, 12"

LOCATION	QUANTITY
STATION TO STATION	(SQ YD)
OAK PARK AVE.	
81+97.89 TO 91+54.94	5476.2
COMMERCIAL ENTRANCE	
82+19.46 TO 82+89.95 LT	110.3
WEST POINT DRIVE	
83+21.68 TO 84+67.03 RT	462.7
SOUTH POINT DRIVE	
90+95.04 TO 91+55.94 LT	144.0
90+81.61 TO 91+55.94 RT	180.5
TOTAL	6373.7

TEMPORARY INFORMATION SIGNING

LOCATION	QUANTITY
	(SQ FT)
*JOBSITE	420
TOTAL	420

TEMPORARY TRAFFIC SIGNAL TIMING

LOCATION	QUANTITY
	(EACH)
DETOUR ROUTE	6
TOTAL	6

CONSTRUCTION LAYOUT

LOCATION	QUANTITY
	(L SUM)
JOBSITE	1
TOTAL	1

FLEXIBLE DELINEATORS

LOCATION	QUANTITY
	(EACH)
*JOBSITE	320
TOTAL	320

STORM SEWER (WATER MAIN REQUIREMENTS) 12"

LOCATION	QUANTITY
STATION/OFFSET	(FOOT)
87+00.0; 32.7' RT TO 86+35.0; 59.5' RT	70.3
TOTAL	70.3

POROUS GRANULAR EMBANKMENT

LOCATION	QUANTITY
STATION TO STATION	(CU YD)
*JOBSITE	1150
TOTAL	1150

POROUS GRANULAR EMBANKMENT, SUBGRADE

LOCATION	QUANTITY
STATION TO STATION	(CU YD)
*JOBSITE	1320
TOTAL	1320

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

LOCATION	QUANTITY
STATION TO STATION	(SQ YD)
*JOBSITE	3950
TOTAL	3950

HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

LOCATION	QUANTITY
STATION TO STATION	(TON)
*JOBSITE	136
TOTAL	136

HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"

LOCATION	QUANTITY
STATION TO STATION	(SQ YD)
*JOBSITE	268
TOTAL	268

CLASS D PATCHES, TYPE II, 9 INCH

LOCATION	QUANTITY
STATION TO STATION	(SQ YD)
*JOBSITE	268
TOTAL	268

TEMPORARY ACCESS (COMMERCIAL ENTRANCE)

LOCATION	QUANTITY
STA./OFFSET	(EACH)
STA. 82+49.07 LT.	1
TOTAL	1

TEMPORARY INFORMATION SIGNING FOR LANE CLOSURE

LOCATION	QUANTITY
	(SQ FT)
*JOBSITE	280
TOTAL	280

INLET FILTERS

LOCATION	QUANTITY
	(EACH)
*JOBSITE	16
TOTAL	16

INLET FILTER CLEANING

LOCATION	QUANTITY
	(EACH)
*JOBSITE	16
TOTAL	16

STORM SEWERS TO BE CLEANED 24"

LOCATION	QUANTITY
STA./OFFSET	(FOOT)
83+61.4 RT. TO 85+30.7 RT.	169.6
TOTAL	169.6

STORM SEWERS TO BE CLEANED 60"

LOCATION	QUANTITY
STA./OFFSET	(FOOT)
86+73.0 RT. TO 90+83.6 RT.	410.6
TOTAL	410.6

MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS

LOCATION	QUANTITY
STATION	(TON)
MAINLINE	
81+97.89 TO 92+72.60	4.3
TOTAL	4.3

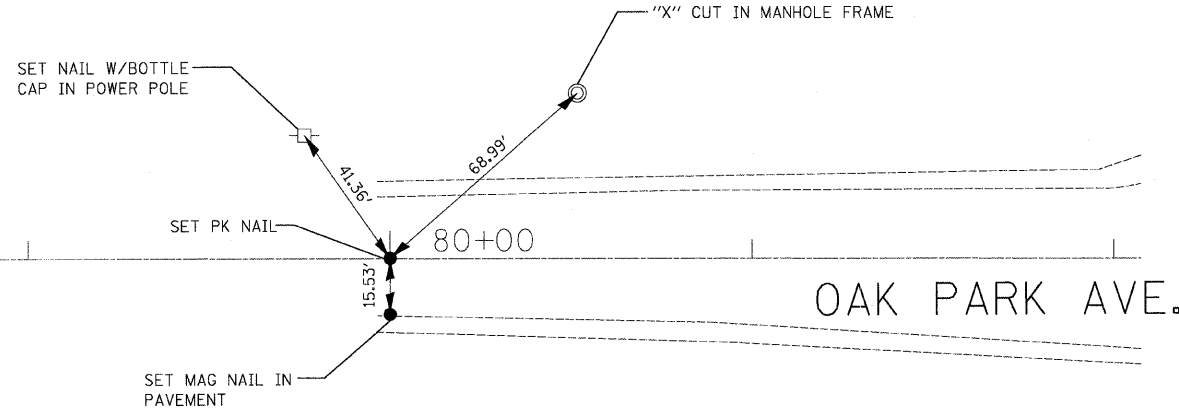
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

LOCATION	QUANTITY
STATION	(SQ YD)
MAINLINE	
91+55.94 TO 92+72.60	1151
TOTAL	1151

HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8 3/4"

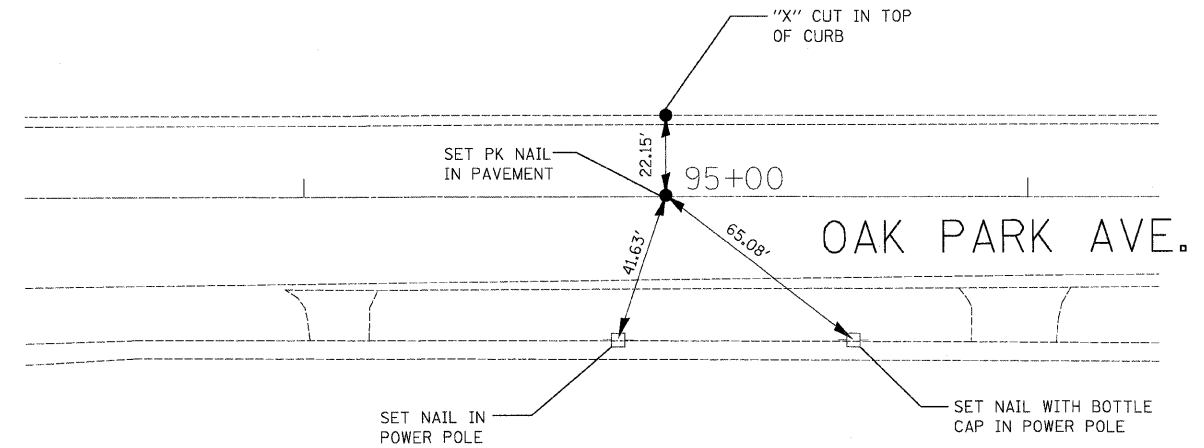
LOCATION	QUANTITY
STATION	(SQ YD)
OAK PARK AVE.	
81+97.89 TO 92+72.60	5064.0
COMMERCIAL ENTRANCE	
82+09.77 TO 82+98.48 LT	129.4
WEST POINT DR.	
83+21.74 TO 84+66.46 RT	448.8
SOUTH POINT DR.	
90+94.06 TO 91+55.94 LT	313.1
90+81.61 TO 90+55.94 RT	412.1
TOTAL	6367.4

*ESTIMATED QUANTITY



P.O.T. STA. 80+00.00

N = 1780260.072
E = 1134721.877



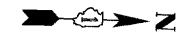
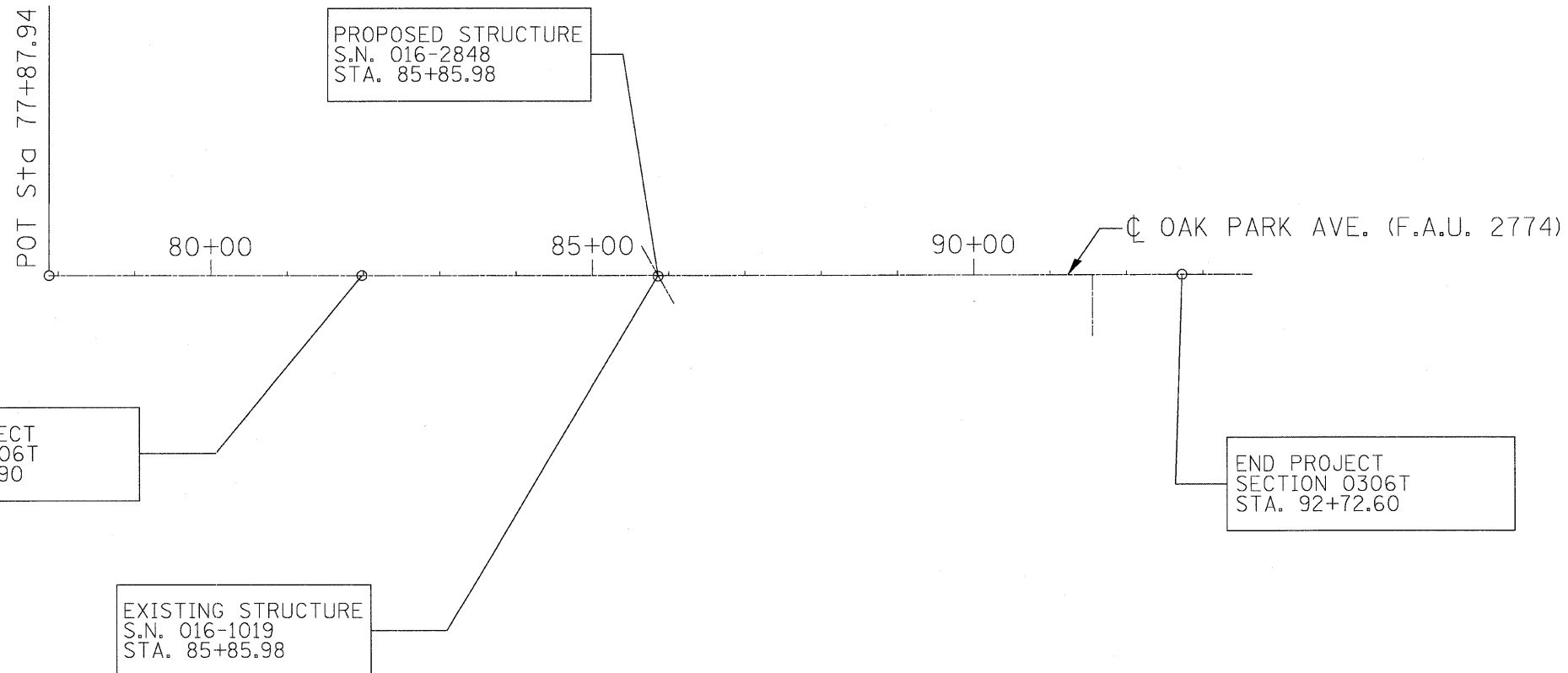
P.O.T. STA. 95+00.00

N = 1781759.324
E = 1134674.494

NOT TO SCALE

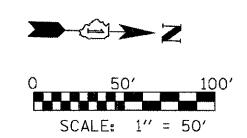
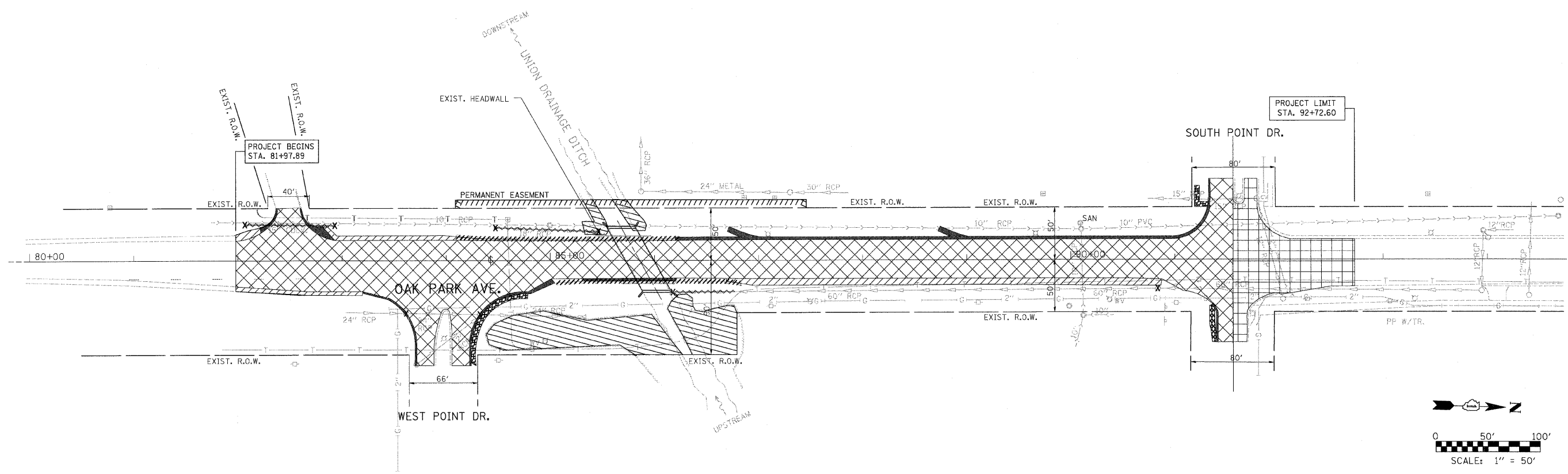
NOT TO SCALE

BENCHMARK: FOUND "X" CUT IN THE CENTER OF THE EAST HEADWALL OF THE OAK PARK AVENUE CULVERT OVER UNION DRAINAGE DITCH. (S.N. 016-1019); STA. 85+98, 21.94' RT.; ELEV. = 692.72



50' 0 50' 100'
SCALE: 1" = 100'

FILE NAME = ...Phase Two\0162007-sh1-ATB.dgn	USER NAME = Plotted by Flm	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT & TIES OAK PARK AVENUE OVER UNION DRAINAGE DITCH			F.A.U. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 15
	PLOT SCALE = 100.000' / IN.	CHECKED - FL	REVISED -		SCALE: 1" = 100'	SHEET NO. 1 OF 1 SHEET	STA. 81+87.90 TO STA. 92+72.60	CONTRACT NO. 60C07				
PLOT DATE = 12/9/2008	DATE = 10/2008	REVISOR -	REVISOR -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND FOR REMOVAL ITEMS:

- PAVEMENT REMOVAL
- HMA SURFACE REMOVAL, 2"
- HMA SHOULDER REMOVAL
- GUARDRAIL REMOVAL
- SIDEWALK REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- PIPE CULVERT REMOVAL
- STORM SEWER REMOVAL
- STORM SEWER STRUCTURE REMOVAL
- END SECTION REMOVAL
- TREE REMOVAL (ACRE)

FILE NAME = ...Phase Two\DI60C07-sht-rem.dgn	USER NAME = Plotted by flin	DESIGNED - OWR	REVISED -
		DRAWN - OWR	REVISED -
	PLOT SCALE = 50.00' / IN.	CHECKED - FML	REVISED -
	PLOT DATE = 12/9/2008	DATE - 10/2008	REVISED -

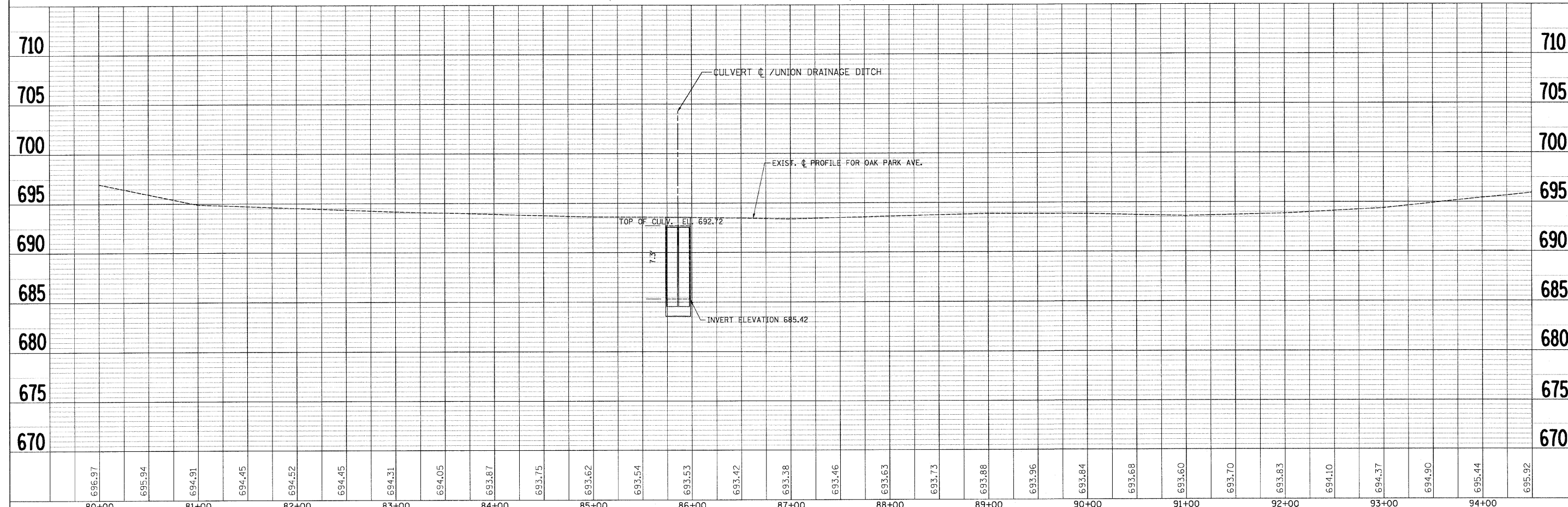
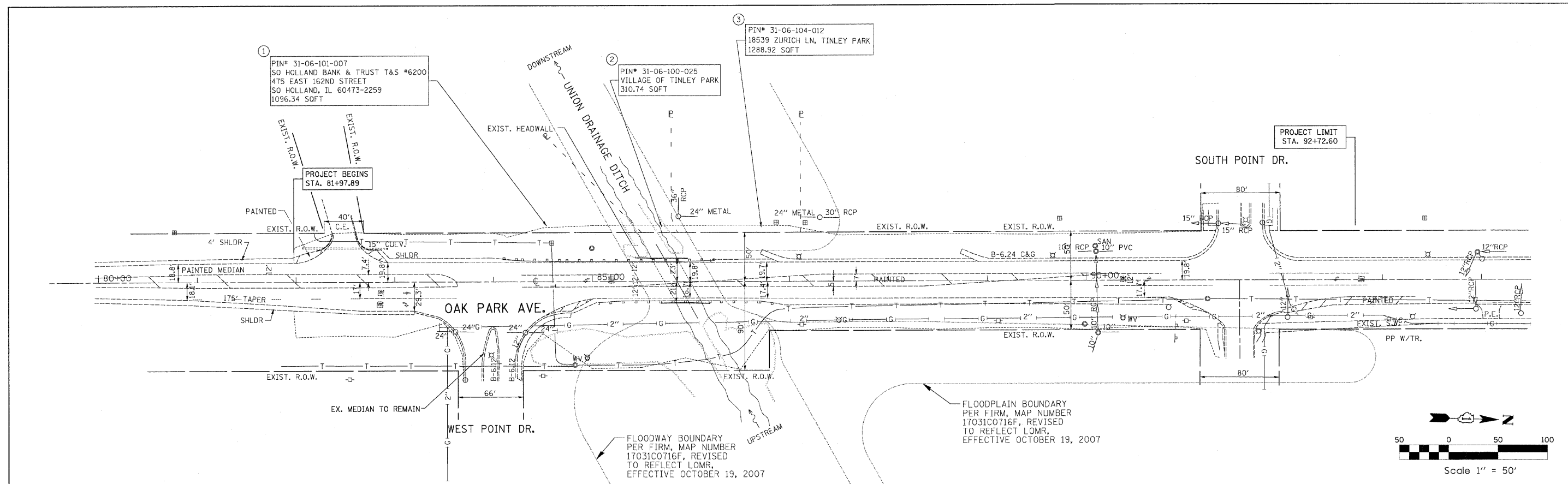
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN
OAK PARK AVENUE OVER UNION DRAINAGE DITCH**

SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. TO STA.	F.A. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 16
			CONTRACT NO. 60C07				
			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	DATE	BY
NO.		
NO.		
NO.		
NO.		
NO.		
NO.		

PROFILE	DATE	BY
NO.		
NO.		
NO.		
NO.		
NO.		
NO.		



FILE NAME = ...\\0168087-sht-pl\prof(exist).dgn	USER NAME = Plotted by fln	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PLAN & PROFILE SHEET OAK PARK AVENUE OVER UNION DRAINAGE DITCH		F.A.U. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.000' / IN.	CHECKED - FL	REVISED -	REVISED -		2774	0306T	COOK	55	17		
PLOT DATE = 12/9/2008	DATE - 10/2008	REVISED -	REVISED -		SCL: H1"=50',V1"=5'		SHEET NO. OF SHEET		STA. 81+97.90 TO STA. 92+72.60	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

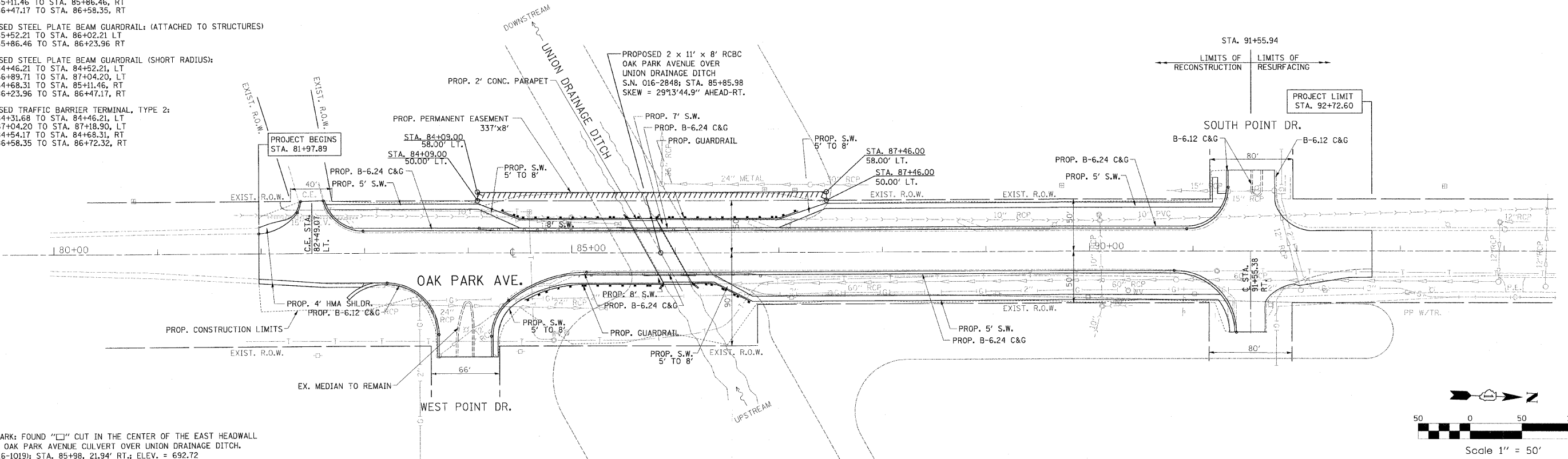
PROPOSED STEEL PLATE BEAM GUARDRAIL:
 STA. 84+52.21 TO STA. 85+52.21, LT
 STA. 86+02.21 TO STA. 86+89.71, LT
 STA. 85+11.46 TO STA. 85+86.46, RT
 STA. 86+47.17 TO STA. 86+58.35, RT

PROPOSED STEEL PLATE BEAM GUARDRAIL (ATTACHED TO STRUCTURES)
 STA. 85+52.21 TO STA. 86+02.21 LT
 STA. 85+86.46 TO STA. 86+23.96 RT

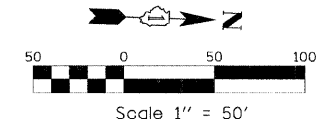
PROPOSED STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS):
 STA. 84+46.21 TO STA. 84+52.21, LT
 STA. 86+89.71 TO STA. 87+04.20, LT
 STA. 84+68.31 TO STA. 85+11.46, RT
 STA. 86+23.96 TO STA. 86+47.17, RT

PROPOSED TRAFFIC BARRIER TERMINAL, TYPE 2:
 STA. 84+31.68 TO STA. 84+46.21, LT
 STA. 87+04.20 TO STA. 87+18.90, LT
 STA. 84+54.17 TO STA. 84+68.31, RT
 STA. 86+58.35 TO STA. 86+72.32, RT

PROPOSED 2 x 11' x 8' RCBC
 OAK PARK AVENUE OVER
 UNION DRAINAGE DITCH
 S.N. 016-2848; STA. 85+85.98
 SKEW = 29°13'44.9" AHEAD-RT.

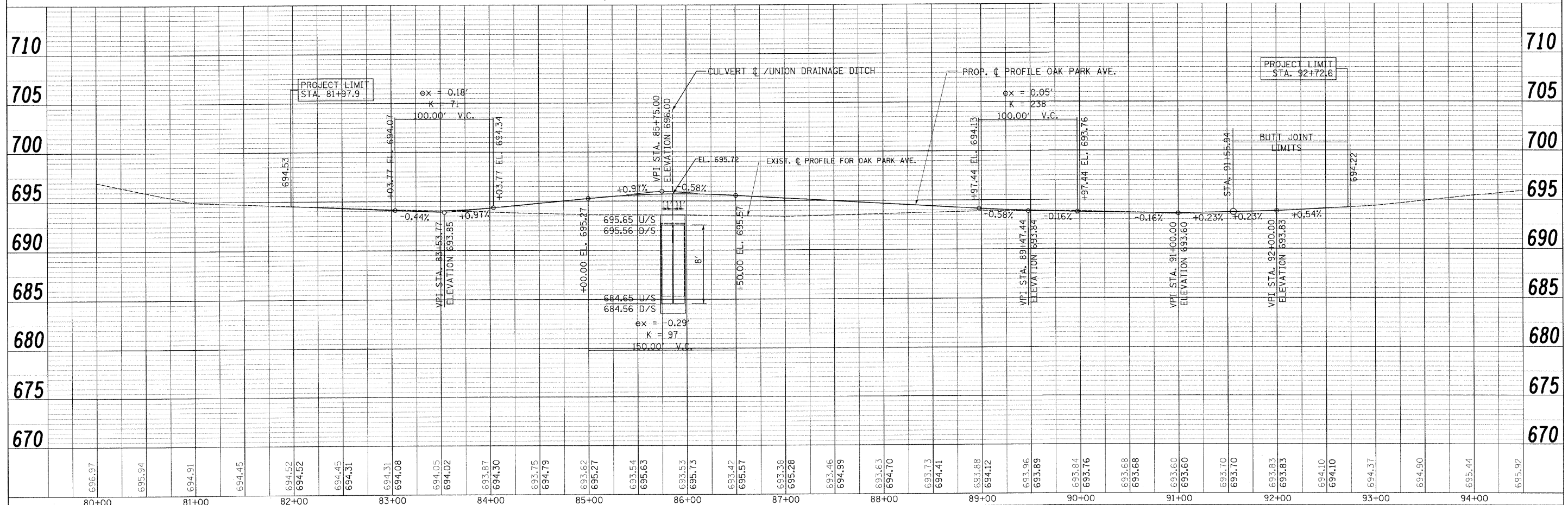


BENCHMARK: FOUND "□" CUT IN THE CENTER OF THE EAST HEADWALL
 OF THE OAK PARK AVENUE CULVERT OVER UNION DRAINAGE DITCH.
 (S.N. 016-1019); STA. 85+98, 21.94' RT.; ELEV. = 692.72

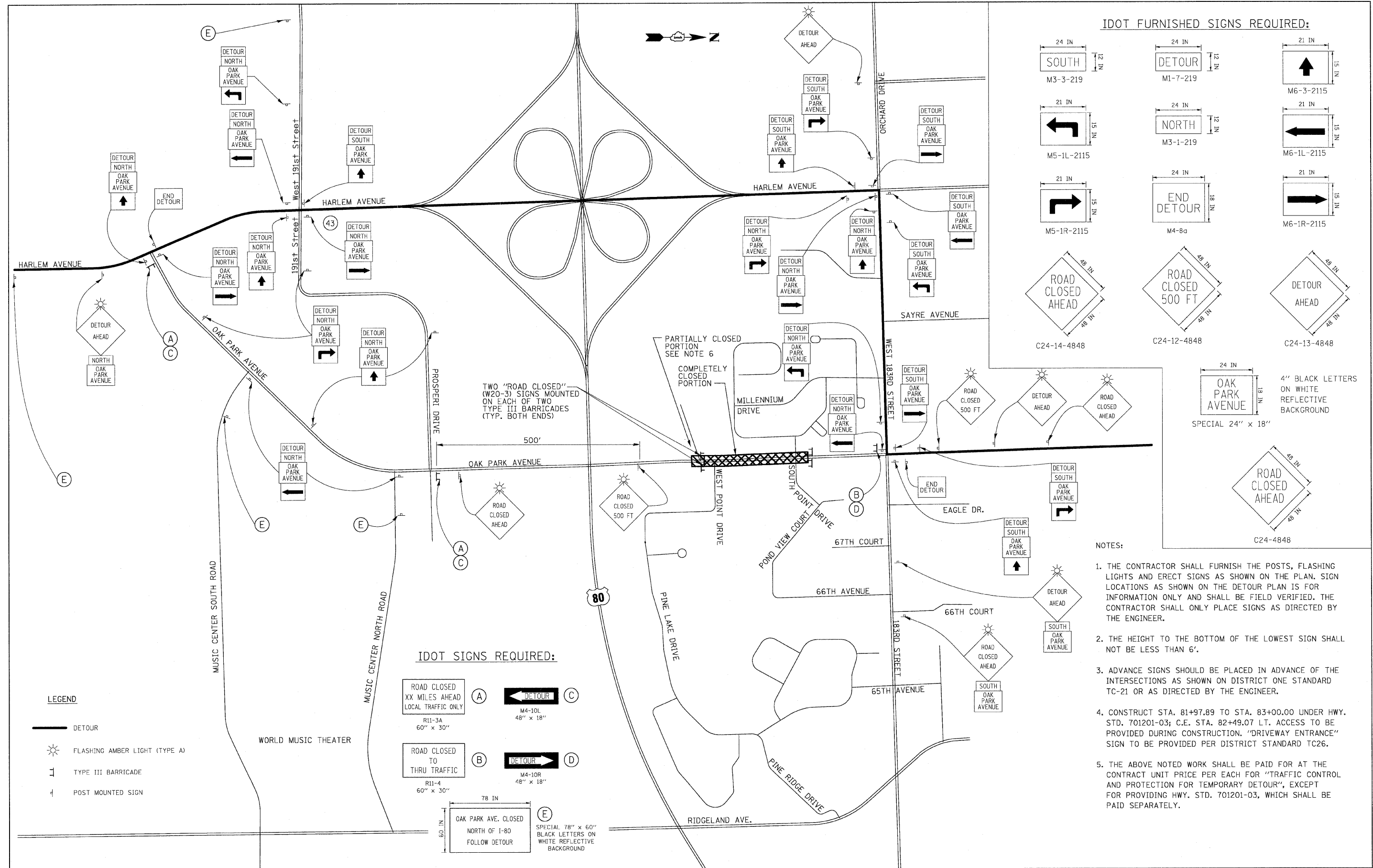


PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	REVISION	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	REVISION	
	FILE NAME	
	NO.	



FILE NAME =	USER NAME = Plotted by Administrator	DESIGNED - ST	REVISED - 03/05/2009	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED PLAN & PROFILE SHEET OAK PARK AVENUE OVER UNION DRAINAGE DITCH			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
... \D16207-sht-pnprof(Prop)_R1.dgn		DRAWN - ST	REVISED -		2774	0306T	COOK	55	18			
	PLOT SCALE = 5/8" = 1' IN.	CHECKED - FL	REVISED -		CONTRACT NO. 60C07							
	PLOT DATE = 3/18/2009	DATE - 10/2008	REVISED -		SCL: H1"=50', V1"=5'							
					SHEET NO. OF SHEET STA. 81+97.90 TO STA. 92+72.60							
								FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



- IDOT FURNISHED SIGNS REQUIRED:**
- M3-3-219: 24 IN x 24 IN SOUTH
 - M1-7-219: 24 IN x 24 IN DETOUR
 - M6-3-2115: 21 IN x 21 IN DETOUR AHEAD (up arrow)
 - M5-1L-2115: 21 IN x 15 IN DETOUR SOUTH (left arrow)
 - M3-1-219: 24 IN x 12 IN NORTH
 - M6-1L-2115: 21 IN x 21 IN DETOUR AHEAD (left arrow)
 - M5-1R-2115: 21 IN x 21 IN DETOUR SOUTH (right arrow)
 - M4-8a: 24 IN x 18 IN END DETOUR
 - M6-1R-2115: 21 IN x 21 IN DETOUR AHEAD (right arrow)
 - C24-14-4848: 48 IN x 48 IN ROAD CLOSED AHEAD
 - C24-12-4848: 48 IN x 48 IN ROAD CLOSED 500 FT
 - C24-13-4848: 48 IN x 48 IN DETOUR AHEAD
 - C24-4848: 24 IN x 18 IN OAK PARK AVENUE
- 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND
SPECIAL 24" x 18"

- NOTES:**
1. THE CONTRACTOR SHALL FURNISH THE POSTS, FLASHING LIGHTS AND ERECT SIGNS AS SHOWN ON THE PLAN. SIGN LOCATIONS AS SHOWN ON THE DETOUR PLAN IS FOR INFORMATION ONLY AND SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL ONLY PLACE SIGNS AS DIRECTED BY THE ENGINEER.
 2. THE HEIGHT TO THE BOTTOM OF THE LOWEST SIGN SHALL NOT BE LESS THAN 6'.
 3. ADVANCE SIGNS SHOULD BE PLACED IN ADVANCE OF THE INTERSECTIONS AS SHOWN ON DISTRICT ONE STANDARD TC-21 OR AS DIRECTED BY THE ENGINEER.
 4. CONSTRUCT STA. 81+97.89 TO STA. 83+00.00 UNDER HWY. STD. 701201-03; C.E. STA. 82+49.07 LT. ACCESS TO BE PROVIDED DURING CONSTRUCTION. "DRIVEWAY ENTRANCE" SIGN TO BE PROVIDED PER DISTRICT STANDARD TC26.
 5. THE ABOVE NOTED WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR", EXCEPT FOR PROVIDING HWY. STD. 701201-03, WHICH SHALL BE PAID SEPARATELY.

LEGEND

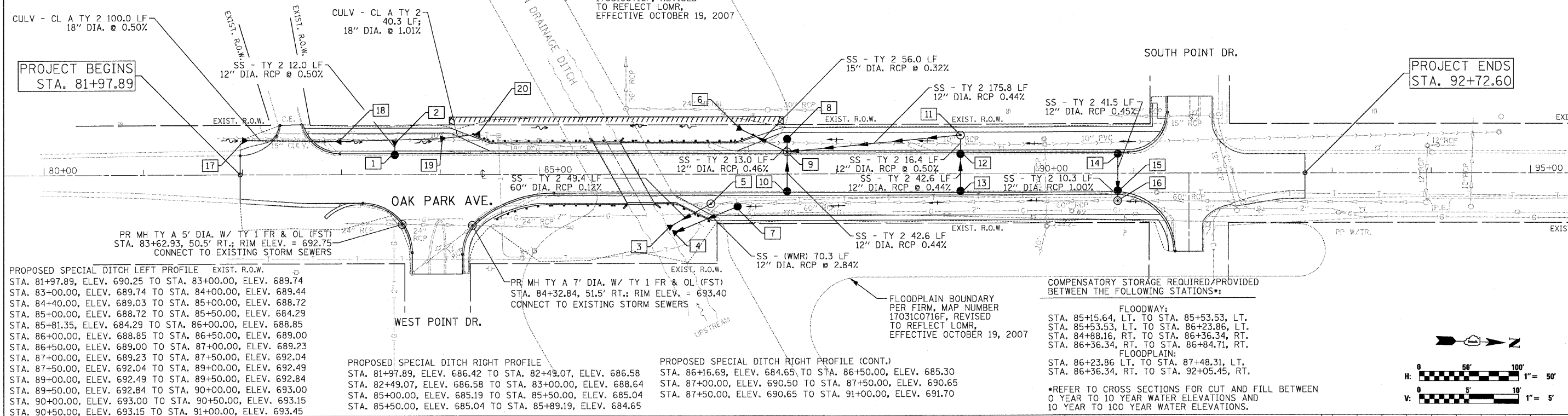
- DETOUR
- ⚡ FLASHING AMBER LIGHT (TYPE A)
- ⊥ TYPE III BARRICADE
- ⊥ POST MOUNTED SIGN

IDOT SIGNS REQUIRED:

- (A) ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY (R11-3A 60" x 30")
- (B) ROAD CLOSED TO THRU TRAFFIC (R11-4 60" x 30")
- (C) DETOUR (M4-10L 48" x 18")
- (D) DETOUR (M4-10R 48" x 18")
- (E) OAK PARK AVE. CLOSED NORTH OF I-80 FOLLOW DETOUR (SPECIAL 78" x 60" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND)

FILE NAME = ...0160027 sht-staging.dgn	USER NAME = Plotted by Administrator	DESIGNED - OWR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR PLAN OAK PARK AVENUE OVER UNION DRAINAGE DITCH			F.A.U. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 19
PLOT SCALE = 400' / IN.		DRAWN - OWR	REVISED -		SCALE : NTS	SHEET NO. OF SHEETS	STA. 81+97.90 TO STA. 92+72.60	CONTRACT NO. 60C07				
PLOT DATE = 1/18/2009		CHECKED - FML	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT : P-91-346-02							
DATE - 10/2008		REVISOR -	REVISED -									

NOTES:
 1. ALL STORM SEWER TO BE CLASS "A" UNLESS NOTED OTHERWISE.
 2. RIM ELEVATIONS & OFFSETS FOR DRAINAGE STRUCTURES CONSTRUCTED IN CONJUNCTION WITH GUTTER OR CURB & GUTTER ARE CALLED OUT TO THE EDGE OF THE GUTTER PAN. ALL OTHER DRAINAGE STRUCTURES ARE CALLED OUT TO THE CENTER OF STRUCTURE.



PROPOSED SPECIAL DITCH LEFT PROFILE EXIST. R.O.W.

STA. 81+97.89, ELEV. 690.25 TO STA. 83+00.00, ELEV. 689.74
STA. 83+00.00, ELEV. 689.74 TO STA. 84+00.00, ELEV. 689.44
STA. 84+00.00, ELEV. 689.03 TO STA. 85+00.00, ELEV. 688.72
STA. 85+00.00, ELEV. 688.72 TO STA. 85+50.00, ELEV. 684.29
STA. 85+50.00, ELEV. 684.29 TO STA. 86+00.00, ELEV. 688.85
STA. 86+00.00, ELEV. 688.85 TO STA. 86+50.00, ELEV. 689.00
STA. 86+50.00, ELEV. 689.00 TO STA. 87+00.00, ELEV. 689.23
STA. 87+00.00, ELEV. 689.23 TO STA. 87+50.00, ELEV. 692.04
STA. 87+50.00, ELEV. 692.04 TO STA. 89+00.00, ELEV. 692.49
STA. 89+00.00, ELEV. 692.49 TO STA. 89+50.00, ELEV. 692.84
STA. 89+50.00, ELEV. 692.84 TO STA. 90+00.00, ELEV. 693.00
STA. 90+00.00, ELEV. 693.00 TO STA. 90+50.00, ELEV. 693.15
STA. 90+50.00, ELEV. 693.15 TO STA. 91+00.00, ELEV. 693.45

PROPOSED SPECIAL DITCH RIGHT PROFILE

STA. 81+97.89, ELEV. 686.42 TO STA. 82+49.07, ELEV. 686.58
STA. 82+49.07, ELEV. 686.58 TO STA. 83+00.00, ELEV. 688.64
STA. 85+00.00, ELEV. 685.19 TO STA. 85+50.00, ELEV. 685.04
STA. 85+50.00, ELEV. 685.04 TO STA. 85+89.19, ELEV. 684.65

PROPOSED SPECIAL DITCH RIGHT PROFILE (CONT.)

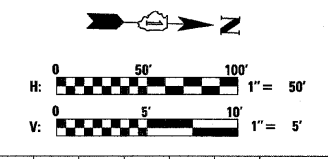
STA. 86+16.69, ELEV. 684.65 TO STA. 86+50.00, ELEV. 685.30
STA. 87+00.00, ELEV. 690.50 TO STA. 87+50.00, ELEV. 690.65
STA. 87+50.00, ELEV. 690.65 TO STA. 91+00.00, ELEV. 691.70

COMPENSATORY STORAGE REQUIRED/PROVIDED BETWEEN THE FOLLOWING STATIONS:

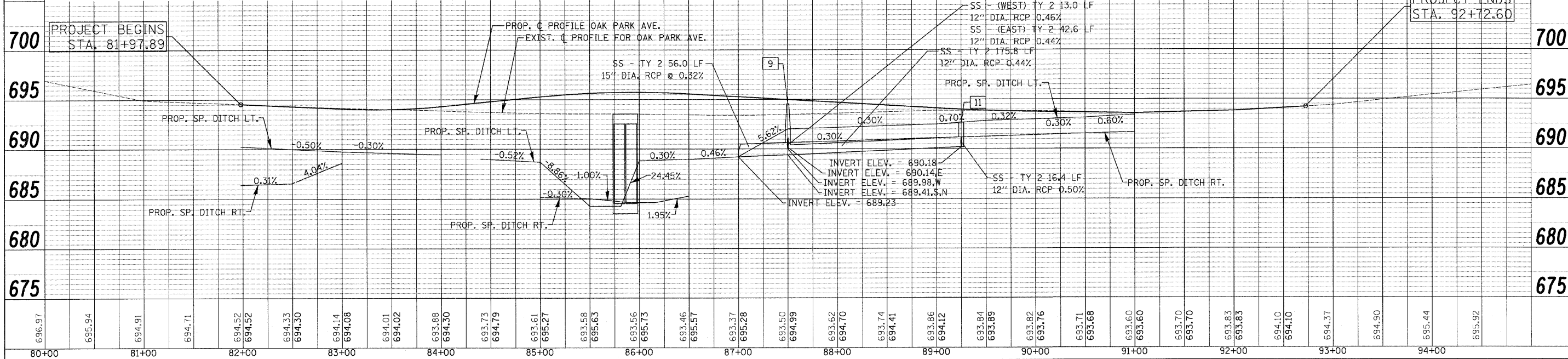
FLOODWAY:
 STA. 85+15.64, LT. TO STA. 85+53.53, LT.
 STA. 85+53.53, LT. TO STA. 86+23.86, LT.
 STA. 84+88.16, RT. TO STA. 86+36.34, RT.
 STA. 86+36.34, RT. TO STA. 86+84.71, RT.

FLOODPLAIN:
 STA. 86+23.86, LT. TO STA. 87+48.31, LT.
 STA. 86+36.34, RT. TO STA. 92+05.45, RT.

*REFER TO CROSS SECTIONS FOR CUT AND FILL BETWEEN 0 YEAR TO 10 YEAR WATER ELEVATIONS AND 10 YEAR TO 100 YEAR WATER ELEVATIONS.



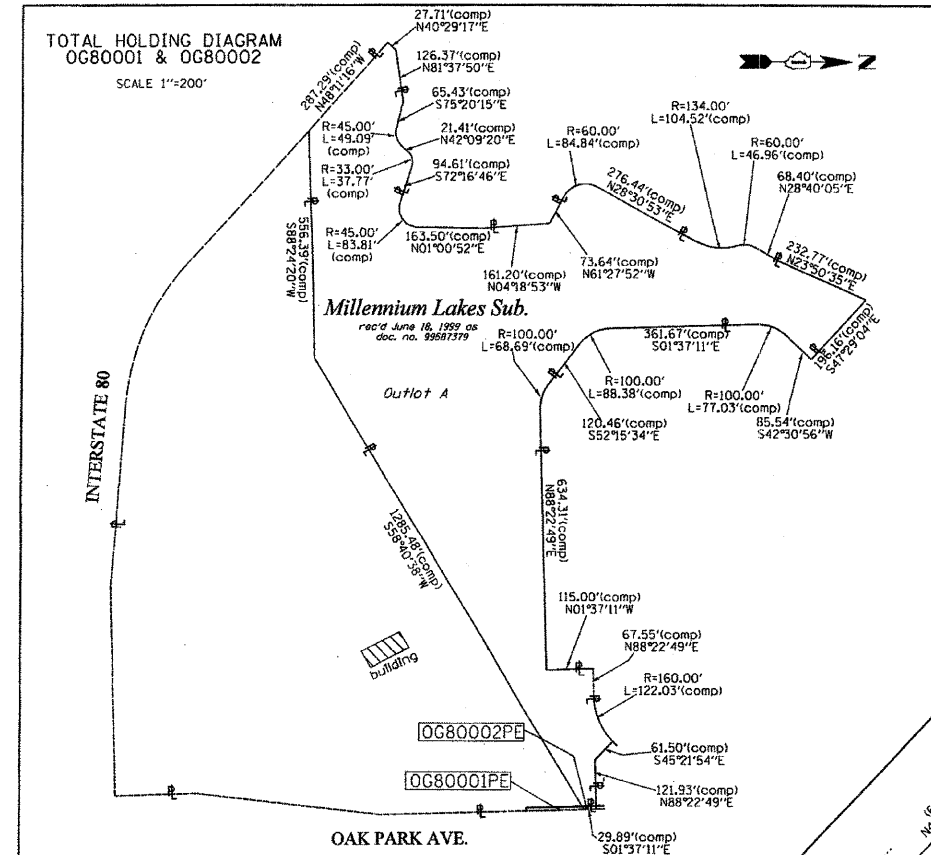
STRUCTURE NUMBER	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE	STRUCTURE NUMBER	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE	
715	1	83+54.0	22.5' LT.	693.60	689.64 W	11	89+25.0	39.0' LT.	692.67	690.18 S; 690.18 E	MH TYPE A 7' DIA. W/ TYPE 1 FR & CL (FST)	715
	2	83+54.0	32.5' LT.	---	689.58 E	12	89+25.0	22.6' LT.	693.56	690.26 E; 690.26 W	CB, TYPE A, 4' DIA., TYPE 24 FR & GR (FST)	
	3	86+30.1	54.4' RT.	---	681.18 NW	13	89+25.0	20.0' RT.	693.61	690.45 W	CB, TYPE A, 4' DIA., TYPE 24 FR & GR (FST)	
	4	86+35.0	59.5' RT.	---	682.00 NW	14	90+83.7	21.3' LT.	693.17	688.00 E	CB, TYPE A, 4' DIA., TYPE 24 FR & GR (FST)	
710	5	86+73.0	29.8' RT.	694.00	681.24 SE	15	90+83.7	18.7' RT.	693.23	687.81 E; 687.81 W	CB, TYPE A, 4' DIA., TYPE 24 FR & GR (FST)	710
	6	87+00.0	47.0' LT.	---	689.23 NE	16	90+83.6	27.7' RT.	692.28	687.71 W; MATCH EXISTING INV. (S & N)	MH TYPE A 9' DIA. W/ TYPE 1 F & CL (FST)	
	7	87+00.0	32.7' RT.	690.50	684.00 SE	17	82+00.0	34.8' LT.	---	690.24 N	FLARED END SECTION 18" DIA. RCP	
	8	87+50.0	35.5' LT.	692.04	690.04 E	18	83+00.0	33.8' LT.	---	689.74 S	FLARED END SECTION 18" DIA. RCP	
705	9	87+50.0	22.6' LT.	694.56	689.41 N; 690.14 E; 689.98 W; 689.41 SW	19	84+00.0	36.2' LT.	---	689.44 N	FLARED END SECTION 18" DIA. RCP	705
	10	87+50.0	20.0' RT.	694.61	690.33 W	20	84+40.0	40.9' LT.	---	689.03 S	FLARED END SECTION 18" DIA. RCP	



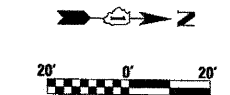
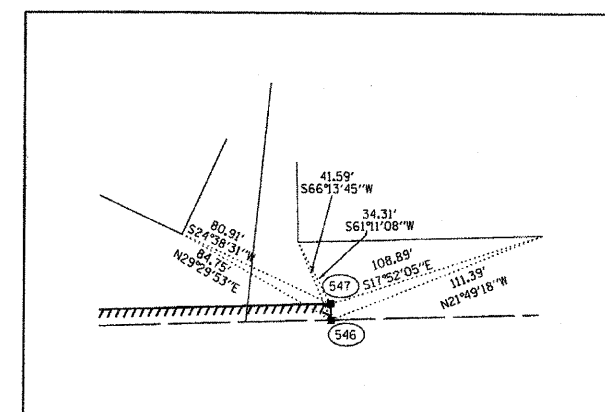
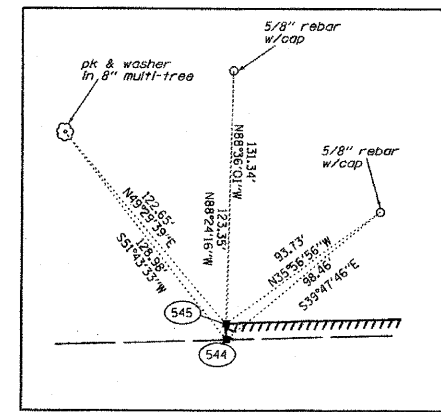
PART OF THE NW 1/4 OF SEC. 6, T35N, R13 EAST OF THE 3rd PM, COOK COUNTY, ILLINOIS

PARCEL NO.	OWNER	TOTAL HOLDING ACRES	R.O.W. REQUIRED ACRES	PREVIOUSLY DEDICATED ACRES	REMAINDER ACRES	EASEMENTS		EASEMENT PURPOSE	PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
						TEMP ACRES	PERM ACRES			
0001	JOVON BROADCASTING CORPORATION	23.546	N/A	N/A	23.546	N/A	0.025	CONST.	31-06-101-007 31-06-101-008	
0002	VILLAGE OF TINLEY PARK	17.170	N/A	N/A	17.170	N/A	0.006 2576.7	CONST.	31-06-100-025	
0003	MILLENNIUM LAKES CONDOMINIUM ASSOCIATION	N/A	N/A	N/A	N/A	N/A	0.031	CONST.	31-06-104-013	

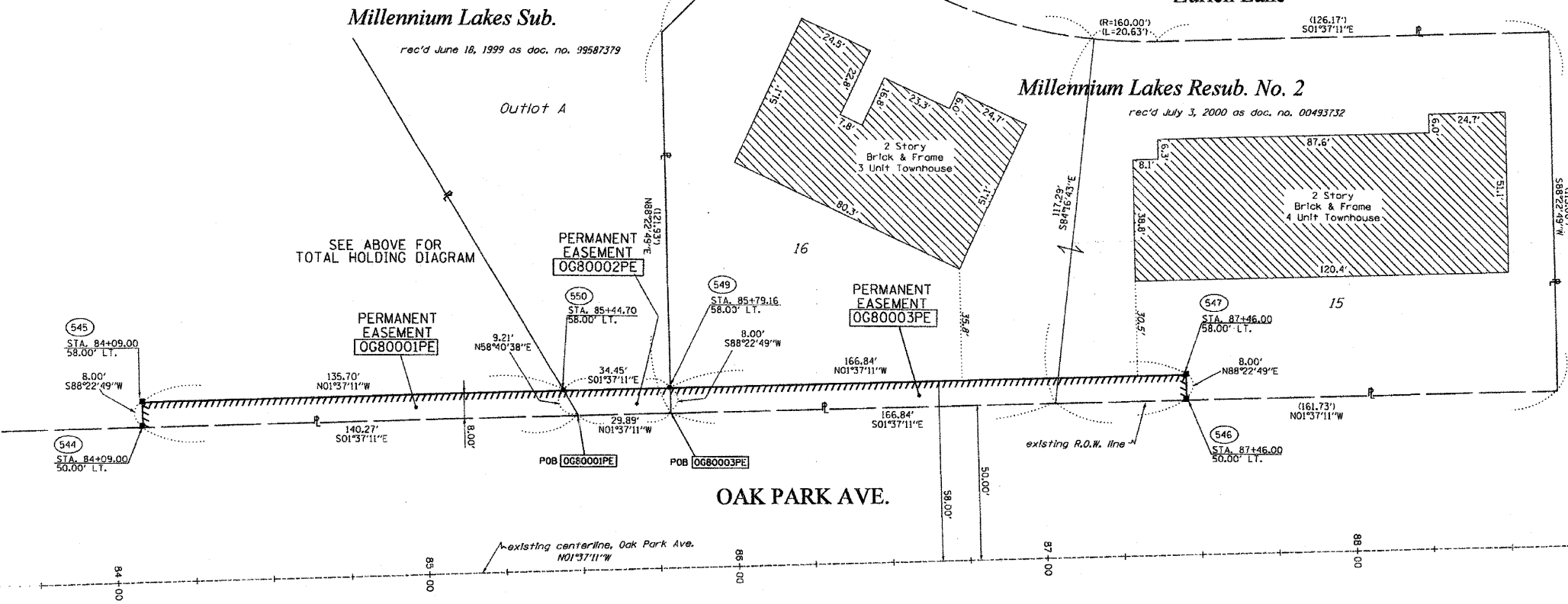
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
OAK PARK AVE		COOK	55	22
STATION B4+00		TO STATION B8+75		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



POINT NO.	STATION	OFFSET	NORTH	EAST
544	84+09.00	50.00 LT.	1780667.730	1194653.357
545	84+09.00	58.00 LT.	1780667.504	1194645.390
546	87+46.00	80.00 LT.	1781004.506	1194643.831
547	87+46.00	58.00 LT.	1781004.589	119455.834



- LEGEND**
- EXISTING CENTERLINE
 - PROPOSED CENTERLINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED PERMANENT EASEMENT LINE
 - PROPOSED TEMPORARY EASEMENT LINE
 - SECTION LINE
 - PROPERTY (DEED) LINE
 - 121.45 MEASURED DIMENSION
 - 123.45 (COMP) COMPUTED DIMENSION
 - 123.45 RECORDED DIMENSION
 - FOUND IRON PIPE OR IRON ROD
 - SET 1/4 INCH IRON ROD PERMANENT SURVEY MONUMENT.
 - I.D.O.T. STD. 2135 (TO BE SET BY OTHERS)
 - OUT CROSS FOUND OR SET
 - SAME OWNERSHIP
 - EXISTING TELEPHONE SPLICE BOX
 - EXISTING STREET LIGHT
 - EXISTING MAIL BOX
 - EXISTING WELL HEAD
 - STAKING OF PROPOSED RIGHT OF WAY. SET 1/4 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. SET 1/4 INCH METAL ROD WITH DIVISION OF HIGHWAY SURVEY MARKER 20 INCHES BELOW GROUND SURFACE TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
 - SECTION CORNER
 - QUARTER SECTION CORNER



STATE OF ILLINOIS)
COUNTY OF WILL) SS

THIS IS TO CERTIFY THAT RUETTIGER, TONELLI & ASSOCIATES, INC., AN ILLINOIS DESIGN FIRM, HAS SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 6, TOWNSHIP 35 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT JOLIET, ILLINOIS THIS 21ST DAY OF July 2008.

RONALD F. HODGEN P.L.S., NO. 2630
MY LICENSE EXPIRES 11-30-2008

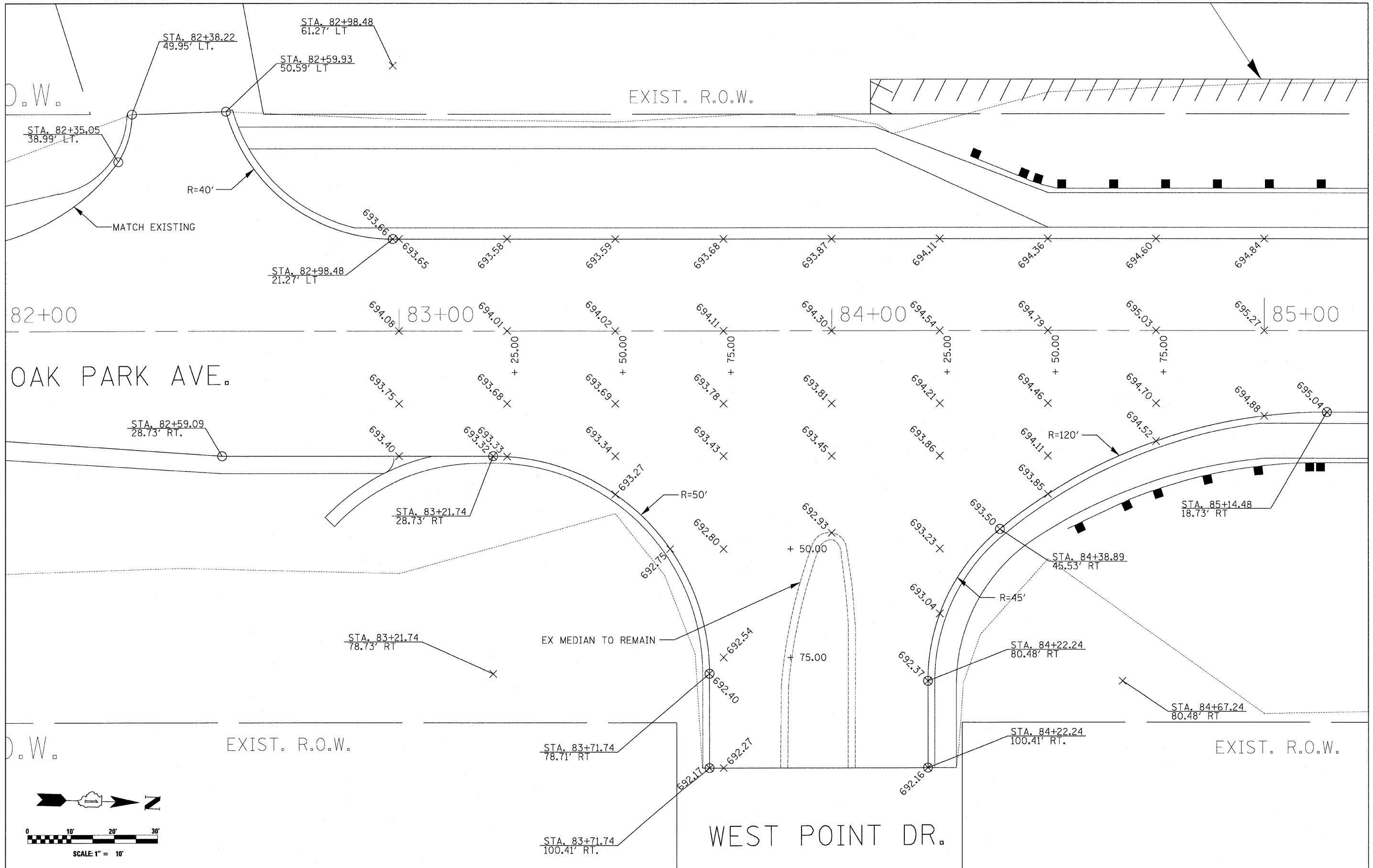


RUETTIGER, TONELLI & ASSOCIATES, INC.
Land Surveyors/Engineers/Planners/Landscape Architects/G.I.S. Consultants
2124 ONEDA STREET SUITE 170
JOLIET, ILLINOIS 60435
PH. (815) 744-6600 FAX (815) 744-0101 PH. (630) 420-7740 FAX (630) 420-7741

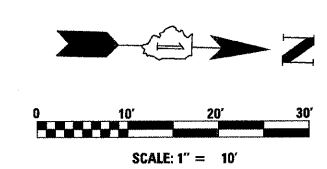
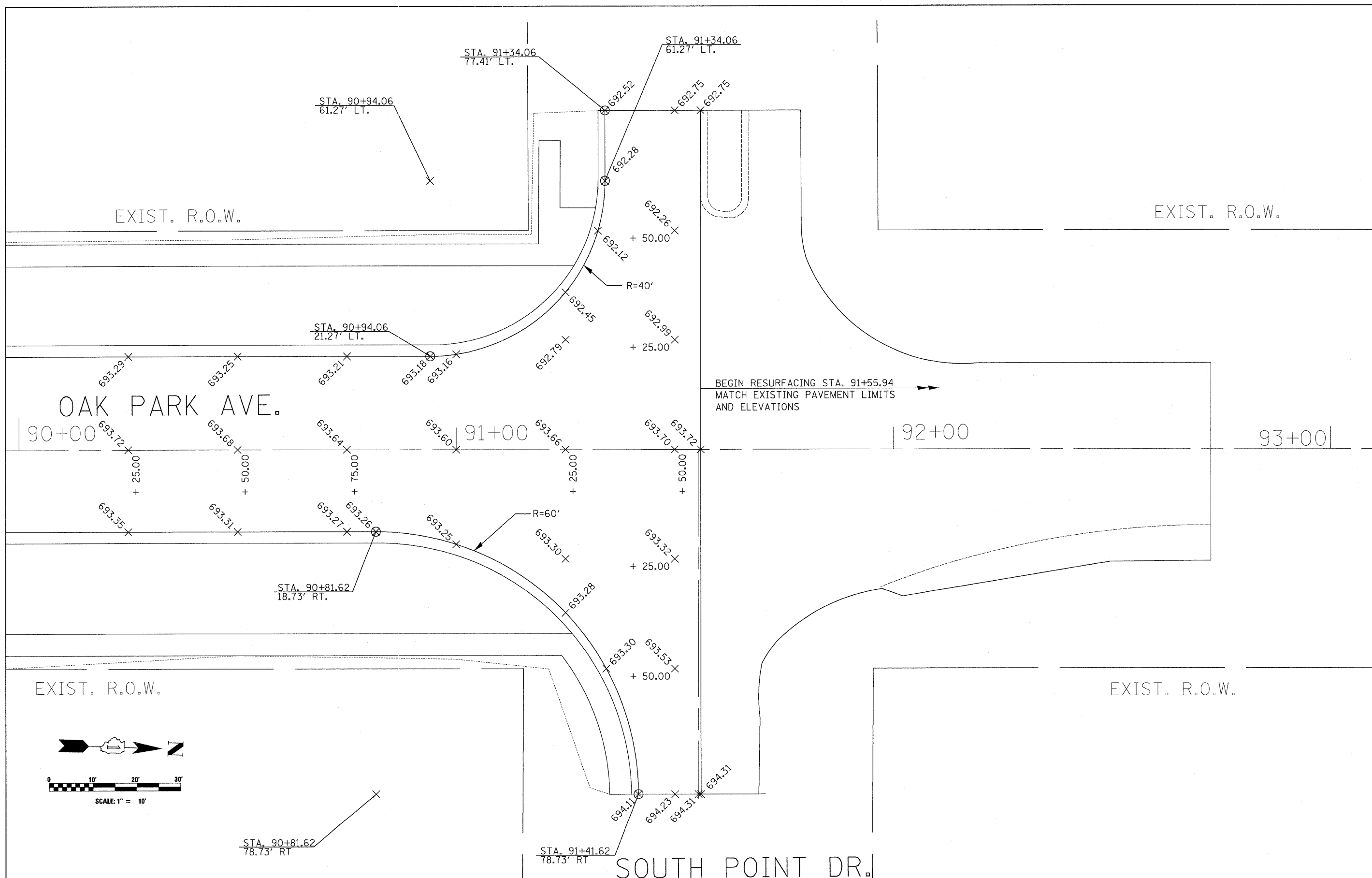
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS
OAK PARK AVENUE
OVER UNION DRAINAGE DITCH
COOK COUNTY
JOB NO. R90-012-06
STATION B4+00 TO STATION B8+75

SCALE: 1"=20' SHEET 1 OF 1
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
201 WEST CENTER COURT
SCHLAUSBURG, ILLINOIS 60156

7-11-07 / REVISED OWNER
6-15-07 / REVISED OWNER



FILE NAME =	USER NAME = Plotted by flm	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION DETAIL - WEST POINT DRIVE OAK PARK AVENUE OVER UNION DRAINAGE DITCH		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
...\\D162007-shr-intersect\WestPointDrive.dgn	PLOT SCALE = 10.000' / IN.	DRAWN - ST	REVISED -		SCALE: 1" = 10'	SHEET NO. OF SHEETS	STA. 82+00.00 TO STA. 85+00.00	2774	0306T	COOK	55	23
PLOT DATE = 12/9/2008	DATE = 10/2008	CHECKED - FML	REVISED -						CONTRACT NO. 60C07			
		DATE = 10/2008	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



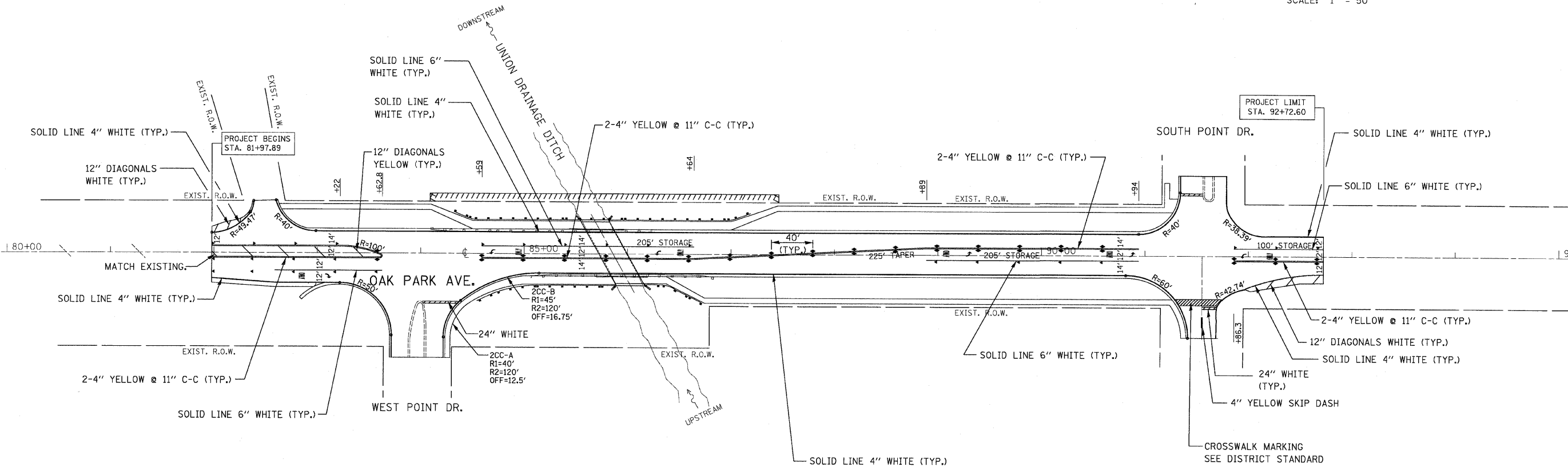
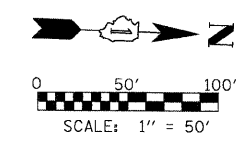
FILE NAME =	USER NAME = Plotted by Administrator	DESIGNED - ST	REVISED -
...D:\168\07-shr-intersect\SouthPointDrive.dgn		DRAWN - ST	REVISED -
		CHECKED - FML	REVISED -
		DATE - 10/2008	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAIL - SOUTH POINT DRIVE
OAK PARK AVENUE OVER UNION DRAINAGE DITCH**

SCALE: 1" = 10' SHEET NO. OF SHEETS STA. 90+00.00 TO STA. 92+72.60

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2774	0306T	COOK	55	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60C07	



LEGEND

- ◀ ONE-WAY AMBER MARKER
- ◆ TWO-WAY AMBER MARKER

NOTE:
 1. PROPOSED PAVEMENT MARKINGS AND MARKERS SHALL CONFORM TO DISTRICT STANDARDS TC11 & TC13.
 2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC.

FILE NAME = ...Phase Two\168027-sht-pmk.dgn	USER NAME = Plotted by fln	DESIGNED - OWR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN OAK PARK AVENUE OVER UNION DRAINAGE DITCH		F.A.U. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 25	
	PLOT SCALE = 50.00' / IN.	DRAWN - OWR	REVISED -		SCALE : 1" = 50'	SHEET NO. OF SHEETS	STA. 81+97.90 TO STA. 92+72.60	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 60C07	
	PLOT DATE = 12/9/2008	CHECKED - FML	REVISED -									
		DATE - 10/2008	REVISED -									

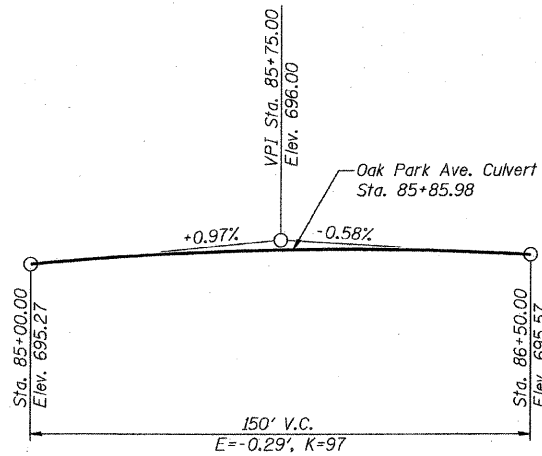
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Bench Mark:
Bolt spike flush with ground near west 1/4 corner section 7-35-13, approximately 50 feet east of Northbound Rte. 43 in west face of power pole with transformer, opposite Harris Bank @ 195th Street Elevation 700.09.

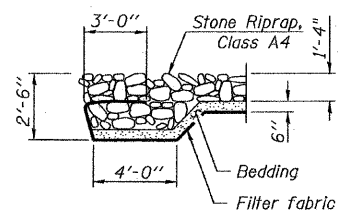
Existing Structure:
Structure Number 016-1019, was built in 1931 and carries Oak Park Avenue over Union Drainage Ditch. The 6-foot x 10.5-foot Double Box Culvert measures 23 feet out-to-out and 54.5 feet wide.

Staging:
None - Traffic will be detoured during construction.

No Salvage.



PROFILE GRADE
(Along Oak Park Ave.)



SECTION A-A

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Reuben E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

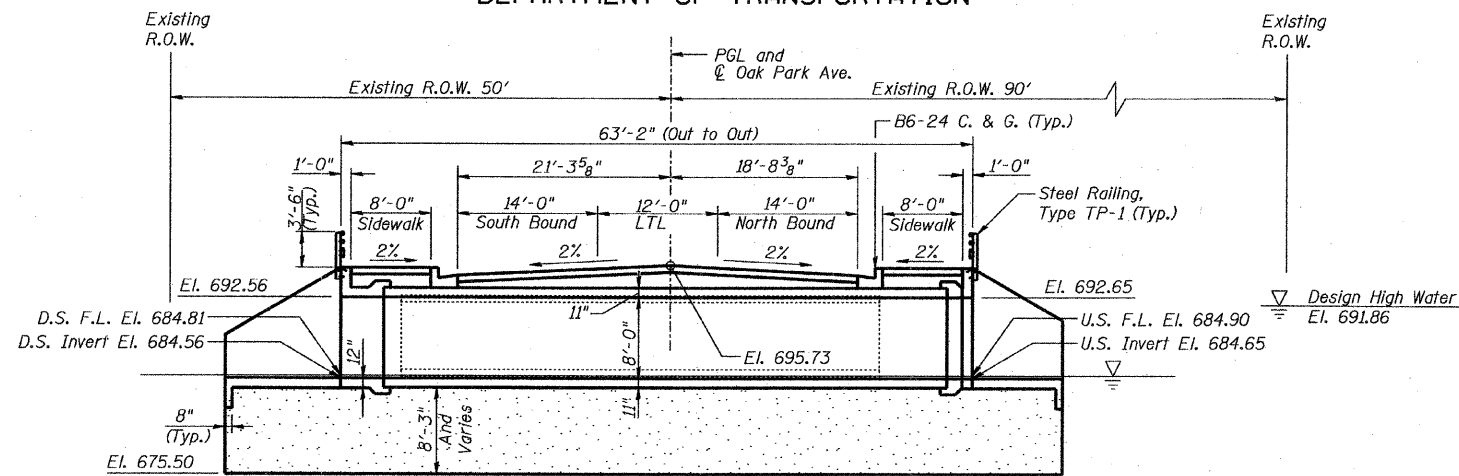


COLLINS ENGINEERS, INC.
LUIS D. BENITEZ, P.E., S.E.
NO. 81-008415
EXP. 11/30/2010

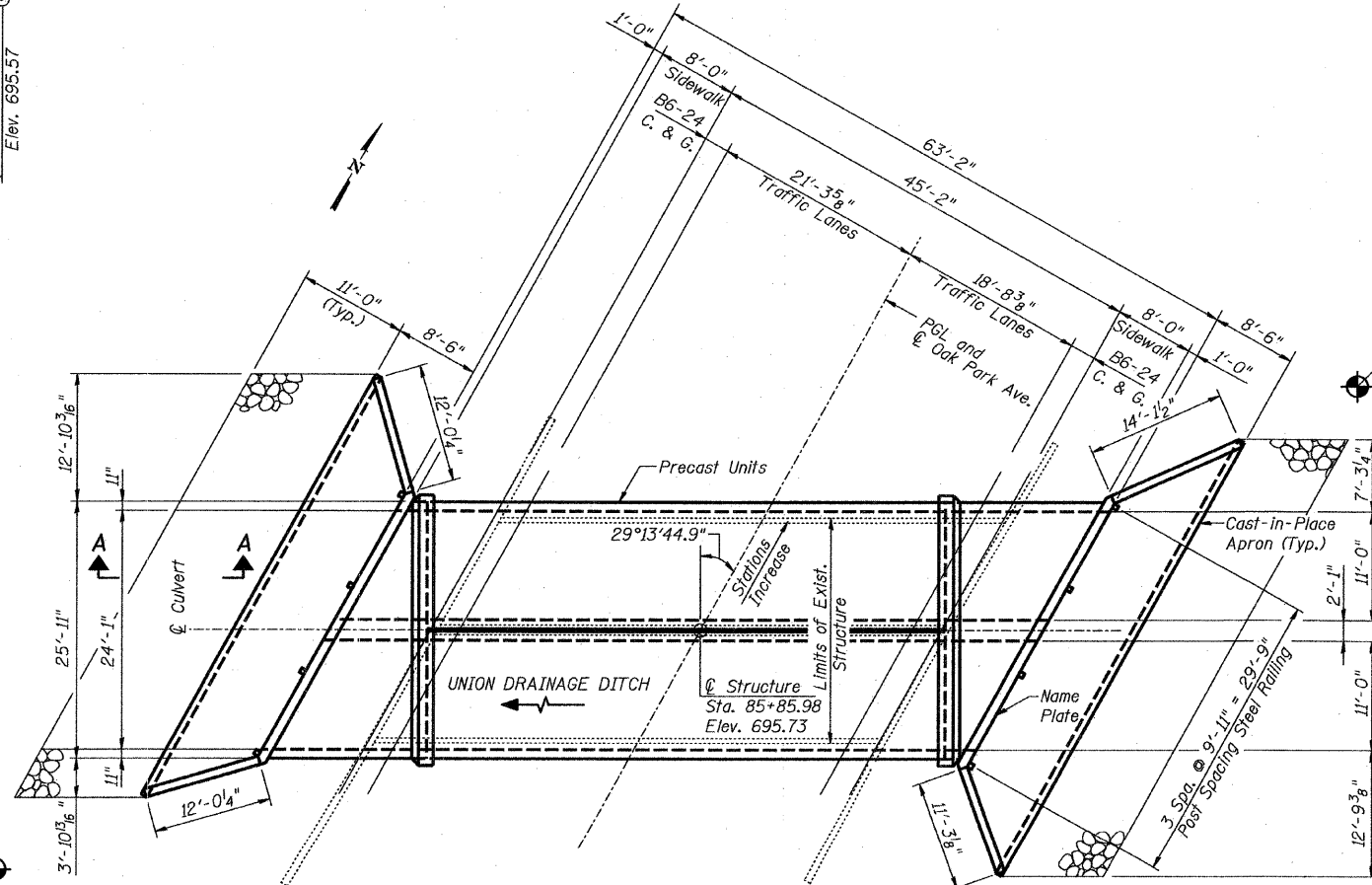
Boring Log C-2

WATERWAY INFORMATION

Drainage Area = 5.92 Sq. Mi.		Low Grade Elev. 693.60 @ Sta. 91+00		Head - Ft.		Headwater El.	
Flood Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Prop.	H.W.E. Exist.	Prop.	Exist.	Prop.
10	215	119.07	124.74	690.16	0.10	690.26	690.26
Design	50	315	162.36	691.86	0.14	692.00	691.97
Base	100	361	126	176	692.55	0.18	692.73
Overtopping	500	470	126	176	694.24	0.06	694.30
Max. Calc.						694.30	694.30



LONGITUDINAL SECTION
(LOOKING NORTH)



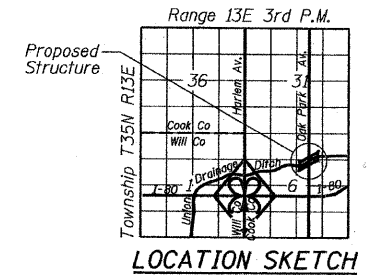
PLAN

NOTES:
For General Notes and Total Bill of Materials see sheet S2 of S11.
For Steel Railing Details see sheet S10 of S11.
For Guardrail Details see Civil Drawings.
For Box Culvert Layout see sheet S3 of S11.
For side slope refer to the Proposed Plan and Profile and Cross Section sheets.

LEGEND:
D.S. = Down Stream
U.S. = Up Stream
F.L. = Flow Line

COLLINS ENGINEERS
DESIGNED: LDB CHECKED: JMH
DATE: 3/27/09 DRAWN: DR

SHEET NO. S1 OF S11 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2774	0306T	COOK	55	26
SN: 016-2848			CONTRACT NO. 60C07		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					



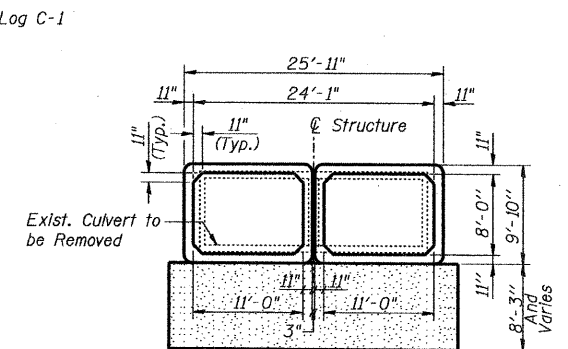
DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications
for Highway Bridges 17th Edition

LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

Field Units
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

Precast Units
f'c = 5,000 psi
fy = 65,000 psi (Welded Wire Fabric)



SECTION THRU DOUBLE BOX CULVERT

GENERAL PLAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES:

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

All reinforcement bars shall be epoxy coated.

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

The Contractor shall make his own investigation to determine the existence, nature, and exact location of all utility lines and appurtenances within the limits of the rehabilitation. The cost of this work will be considered incidental to the contract.

Pay item and details for the Steel Plate Beam Guardrail is included in the Roadway Plans.

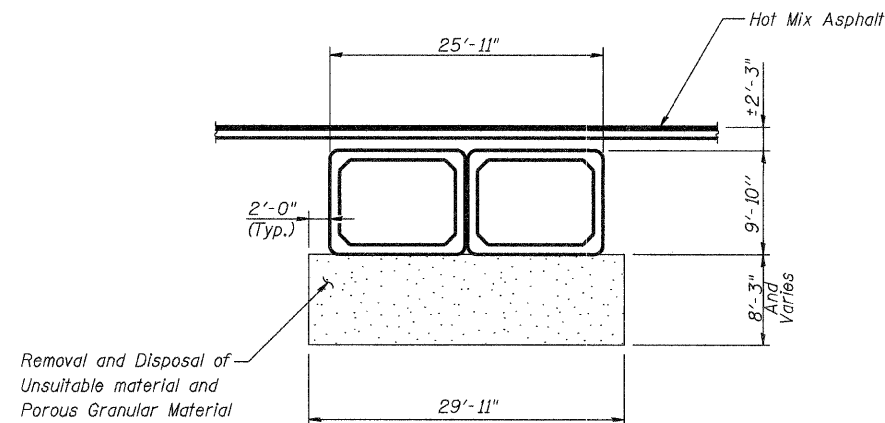
The Precast Concrete Box Culvert shall conform to all AASHTO M273 requirements.

INDEX OF STRUCTURAL DRAWINGS

S1	General Plan
S2	General Notes and Bill of Materials
S3	Box Culvert Layout
S4	Omitted (Sheet 29 of 55)
S5	West End Section Details I
S6	West End Section Details II
S7	East End Section Details I
S8	East End Section Details II
S9	Box Culvert End Section Details
S10	Steel Railing, Type TP-1
S11	Boring Logs C-1 and C-2

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures	Each	1
Steel Railing, Type TP-1	Foot	60.7
Name Plates	Each	1
Precast Concrete Box Culvert 11' X 8'	Foot	105
Box Culvert End Sections	Each	2
Stone Riprap, Class A4	Sq. Yd.	121
Filter Fabric	Sq. Yd.	168
Removal and Disposal of Unsuitable Material	Cu. Yd.	744



BACKFILL DETAILS

BACKFILL NOTES:

Place porous granular material underneath the box culverts to the limits shown on the plans or as directed by the Engineer. The cost for this work shall be included in the cost for the pay item "Precast Concrete Box Culvert 11' X 8'". See Section 540 of the Standard Specifications. Removal and Disposal of Unsuitable Material shall be measured for payment in its original position and the volume computed in cubic yards. Horizontal dimensions will not extend beyond vertical planes 2 feet outside the edges of the culvert.

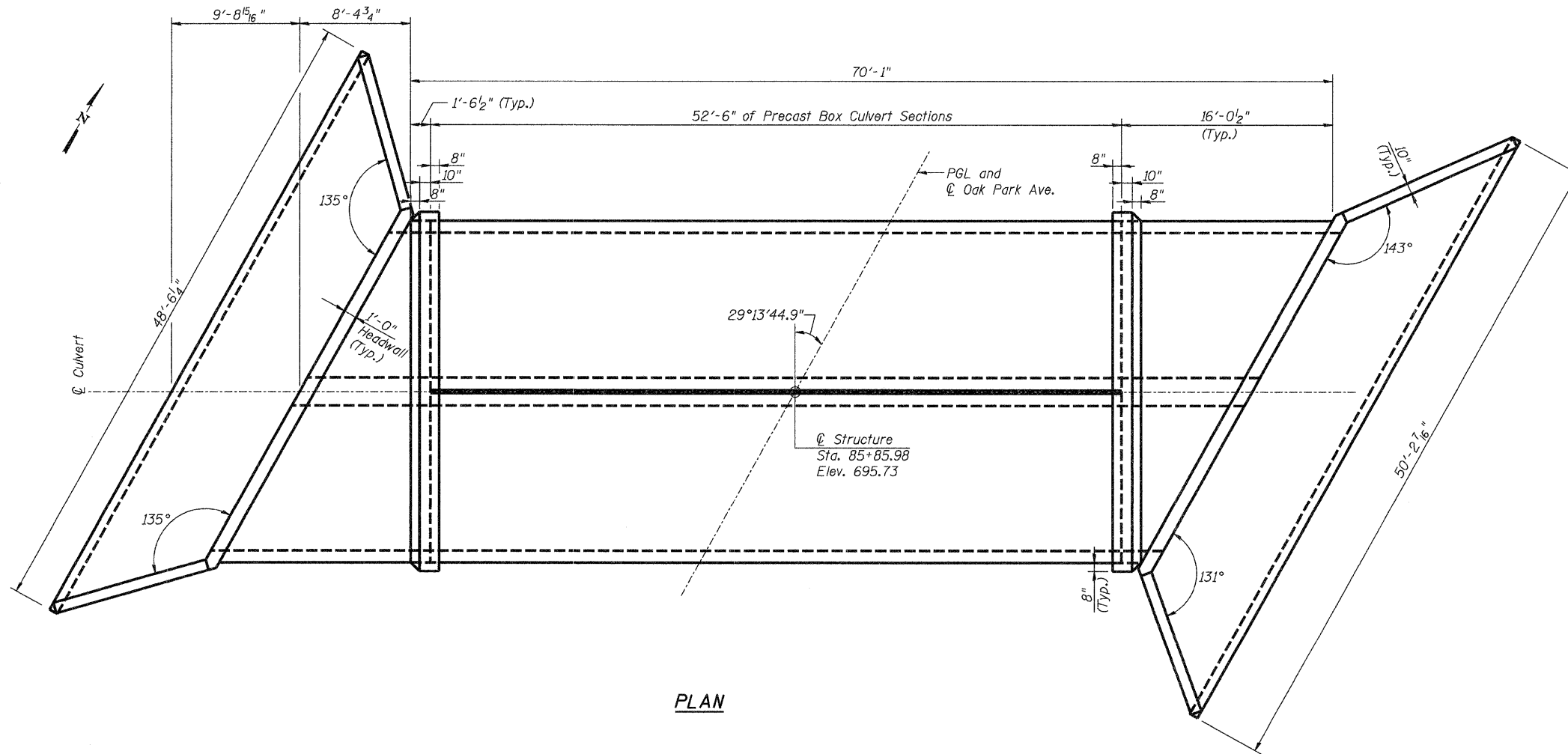
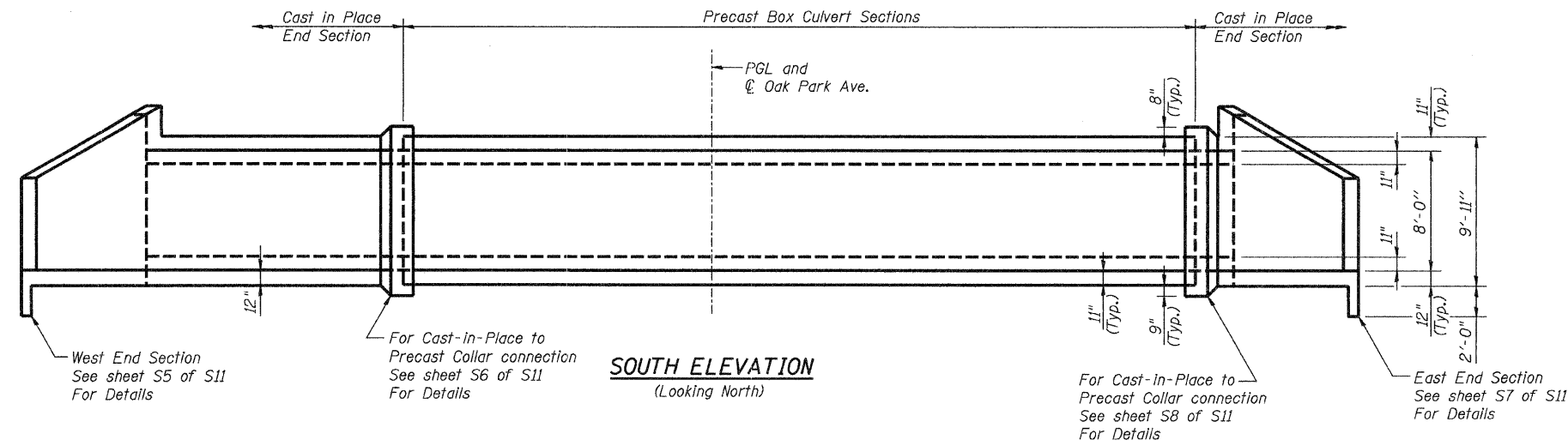
STATION 85+85.98
BUILT BY
STATE OF ILLINOIS
FAU 2774 SEC. 0306T
LOADING HS20-44
STRUCTURE NO. 016-2848

NAME PLATE
See Std. 515001

**GENERAL NOTES AND
BILL OF MATERIALS**

COLLINS ENGINEERS	SHEET NO. S2	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	OF	2774	0306T	COOK	55	27
DESIGNED: LDB	CHECKED: JMH	SN: 016-2848		CONTRACT NO. 60C07		
DATE: 3/27/09	DRAWN: DR	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

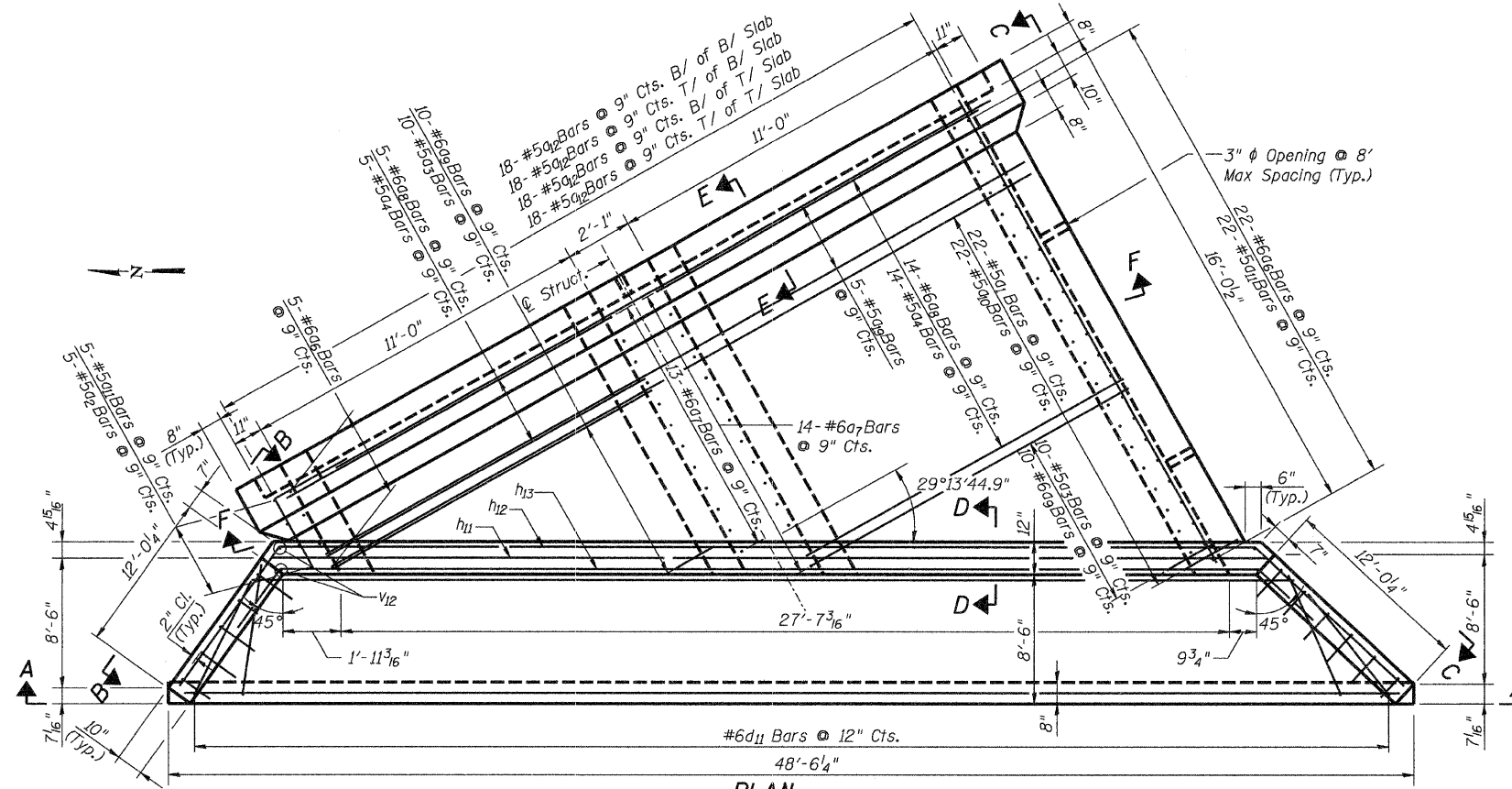
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



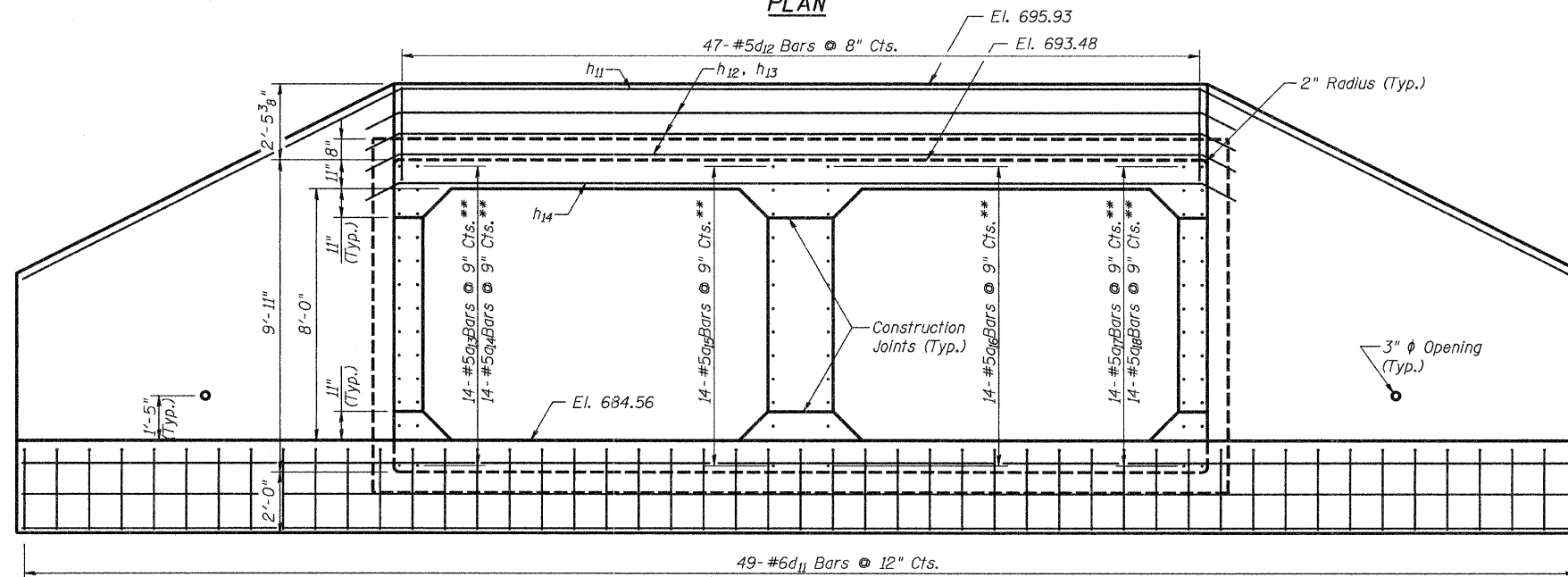
BOX CULVERT LAYOUT

COLLINS ENGINEERS	SHEET NO. S3 OF S11 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		2774	0306T	COOK	55	28
		SN: 016-2848		CONTRACT NO. 60C07		
DESIGNED: LDB	CHECKED: JMH	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				
DATE: 3/27/09	DRAWN: DR					

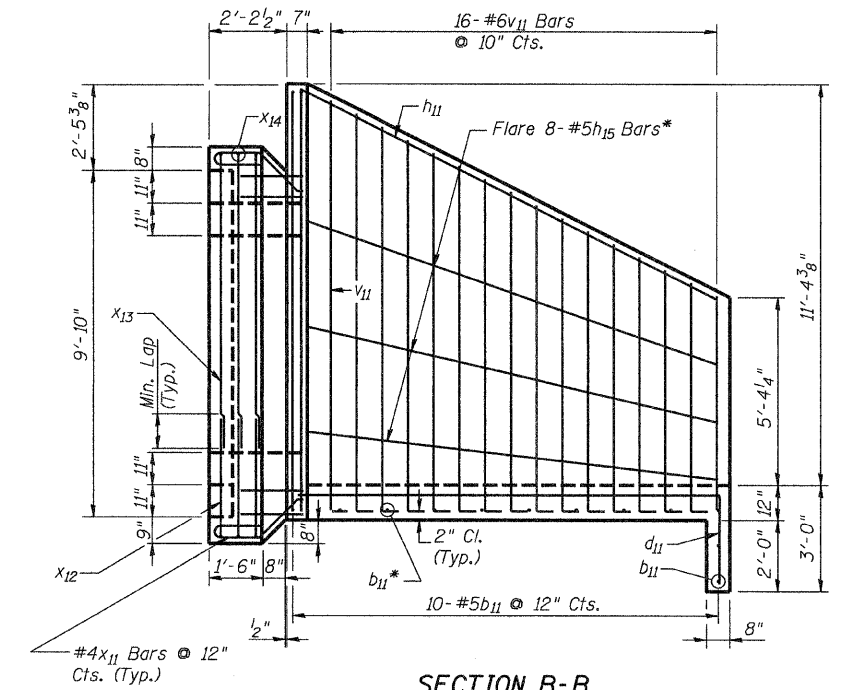
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



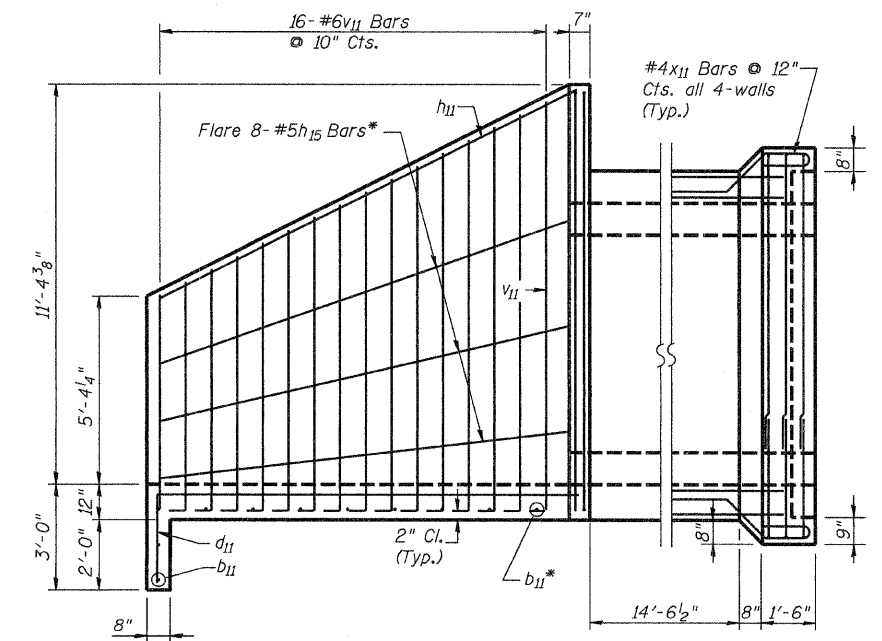
PLAN



SECTION A-A



SECTION B-B



SECTION C-C

WEST END SECTION
DETAILS I

Notes:
For Box Culvert Layout see sheet S3 of S11.
For Sections D-D and E-E see sheet S6 of S11.
For Section F-F see sheet S9 of S11.
For Steel Railing Details see sheet S10 of S11.

MINIMUM BAR LAPS

- #4 Bar = 1'-8"
- #5 Bar = 2'-2"
- #6 Bar = 2'-7"

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Box Culvert End Sections	Each	1

COLLINS ENGINEERS

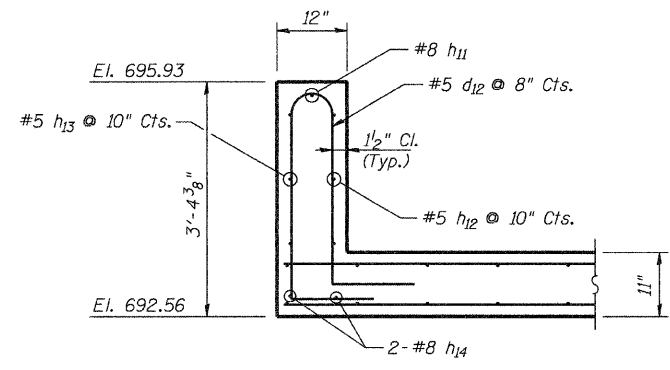
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DATE: 3/27/09

CHECKED: JMH
DRAWN: DR

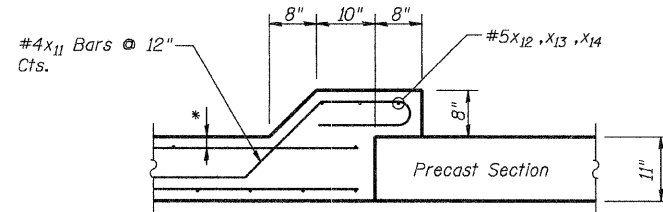
SHEET NO. S5
OF
S11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2774	0306T	COOK	55	30
SN: 016-2848		CONTRACT NO. 60C07		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

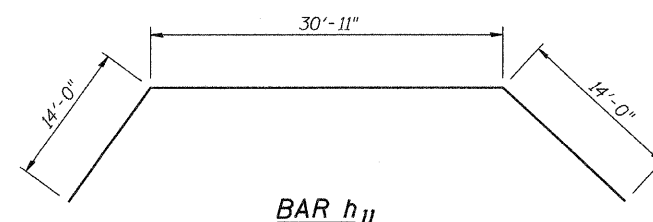


SECTION D-D

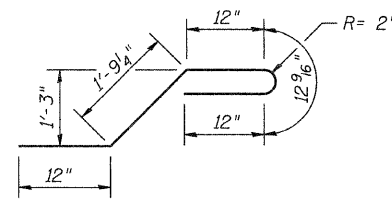


SECTION E-E

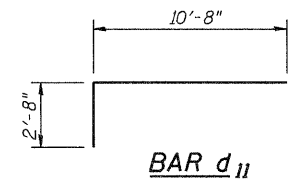
* 1/2" Cl. top & side walls,
and 2" Cl for Bottom slab.



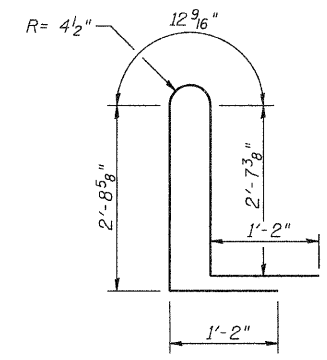
BAR h11



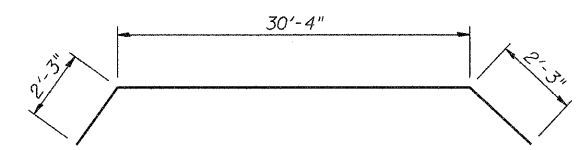
BAR x11



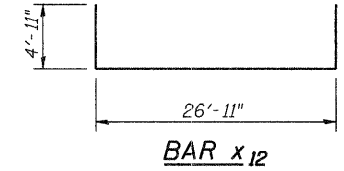
BAR d11



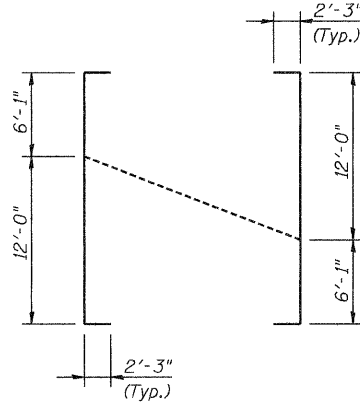
BAR d12



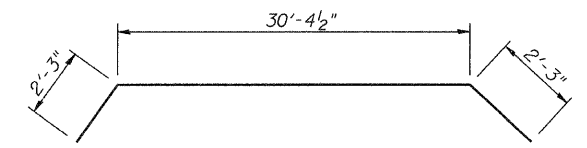
BAR h12



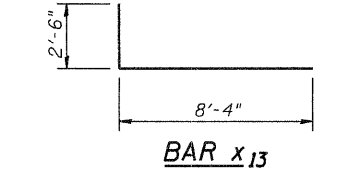
BAR x12



BAR v11



BAR h13



BAR x13

BILL OF MATERIAL **

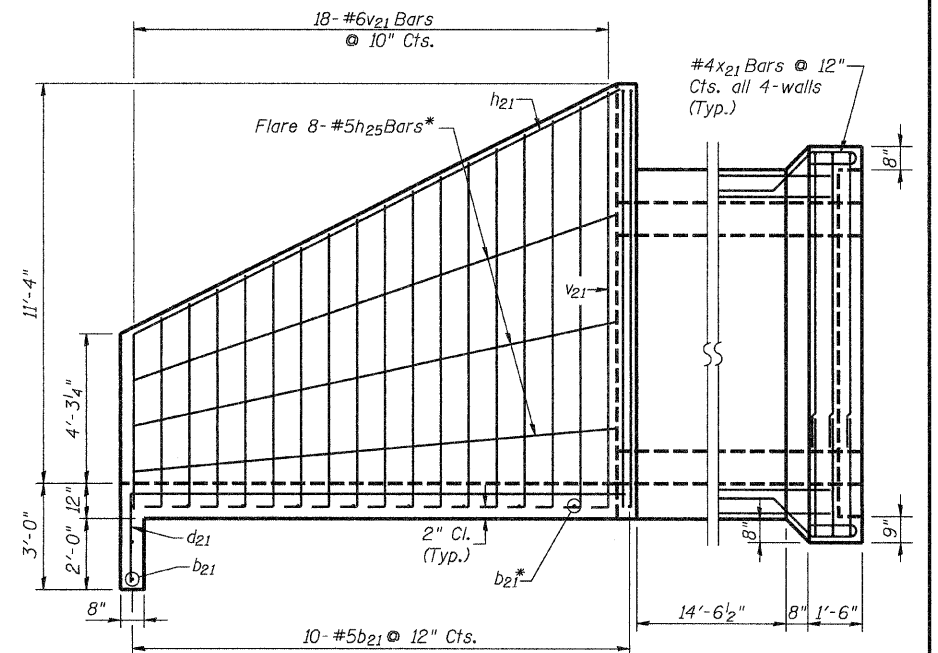
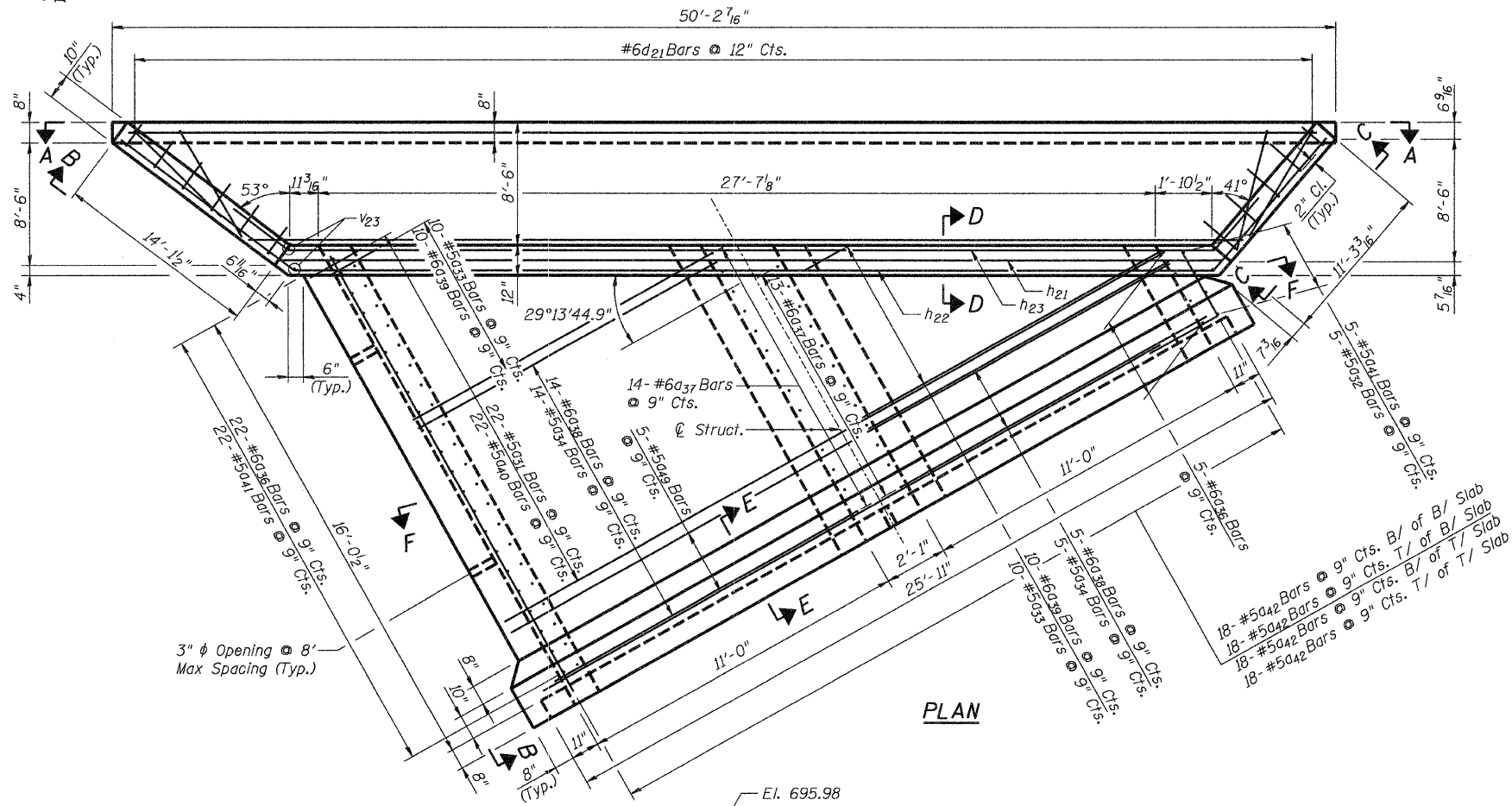
Bar	No.	Size	Length	Shape
b11	12	5	48'-2"	—
d11	49	6	13'-4"	U
d12	47	5	8'-8 9/16"	U
h11	1	8	58'-11"	—
h12	3	5	34'-10"	—
h13	3	5	34'-10 1/2"	—
h14	2	8	30'-4"	—
h15	16	5	13'-1"	—
v11	16	6	22'-7"	—
v12	4	6	12'-0"	—
x11	72	4	5'-9 3/16"	—
x12	3	5	36'-9"	—
x13	6	5	10'-10"	—
x14	3	5	26'-11"	—

** For Information use Only. The items in this Table are not to be paid separately, but are to be included in the cost for the pay item "Box Culvert End Sections."

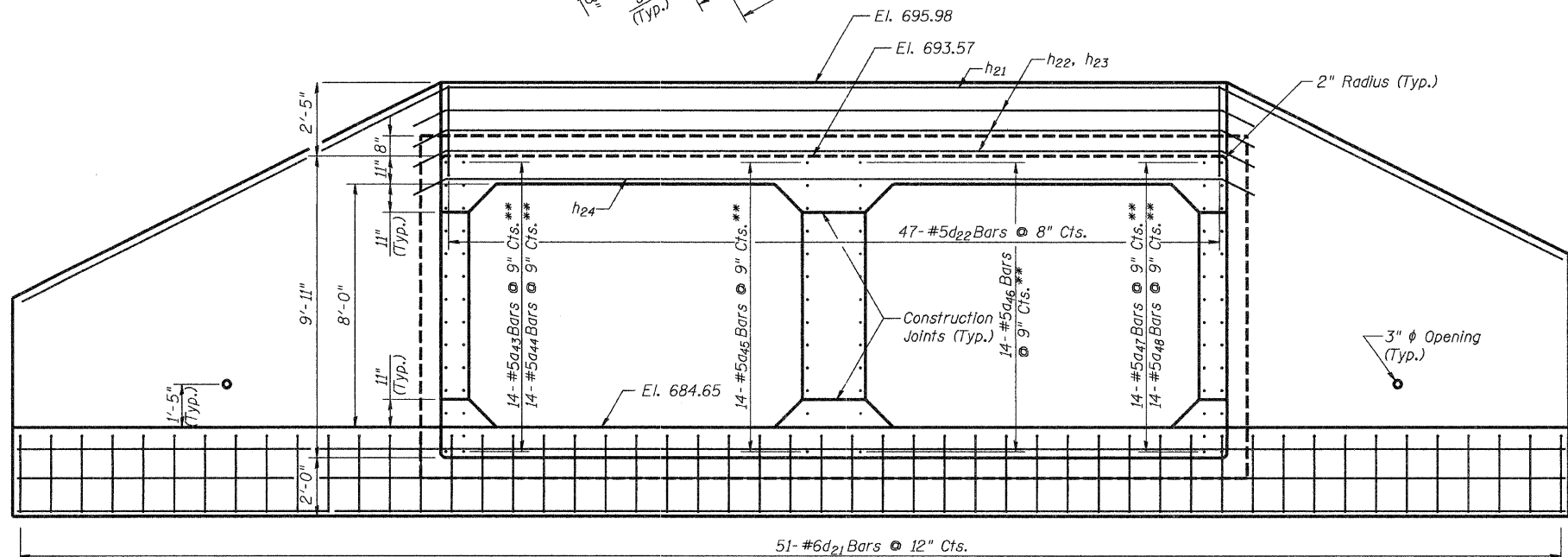
WEST END SECTION
DETAILS II

COLLINS ENGINEERS DESIGNED: LDB DATE: 3/27/09	CHECKED: JMH DRAWN: DR	SHEET NO. S6 OF S11 SHEETS	F.A.U. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 31
		SN: 016-2848		CONTRACT NO. 60C07			
		FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT					

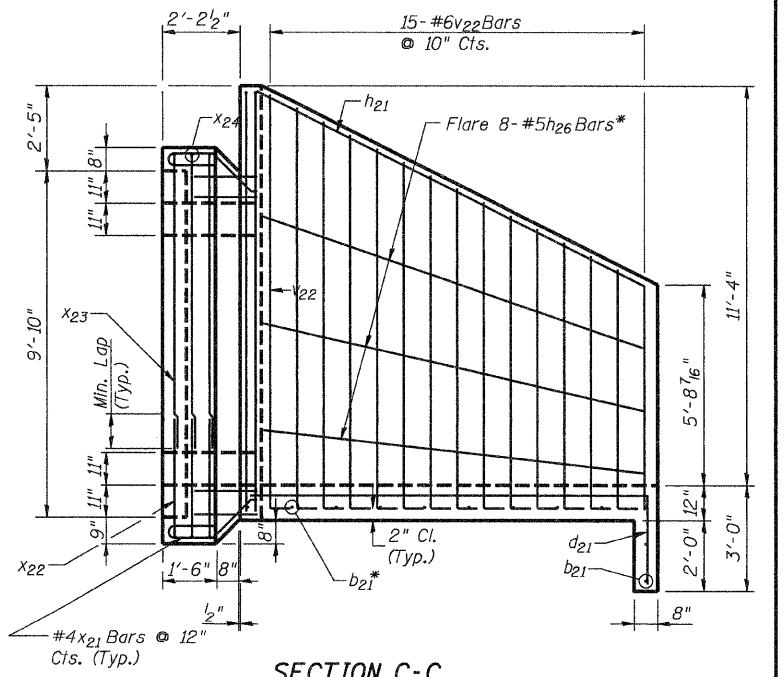
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SECTION B-B



SECTION A-A



SECTION C-C
EAST END SECTION
DETAILS I

Notes:
For Box Culvert Layout see sheet S3 of S11.
For Sections D-D and E-E see sheet S8 of S11.
For Section F-F see sheet S9 of S11.
For Steel Rolling Details see sheet S10 of S11.

MINIMUM BAR LAPS

- #4 Bar = 1'-8"
- #5 Bar = 2'-2"
- #6 Bar = 2'-7"

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Box Culvert End Sections	Each	1

* Cut-to-Fit

** Vertical Reinforcement not shown for clarity.

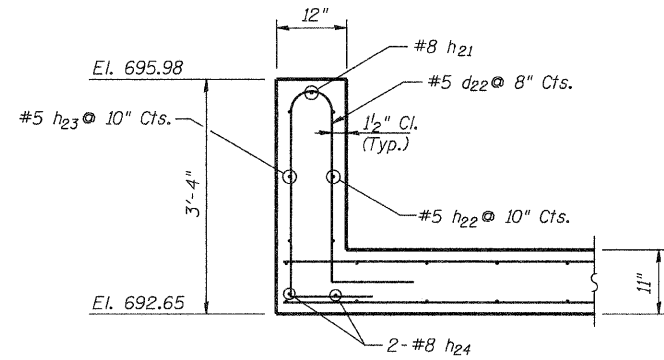
COLLINS ENGINEERS

DESIGNED: LDB CHECKED: JMH
DATE: 3/27/09 DRAWN: DR

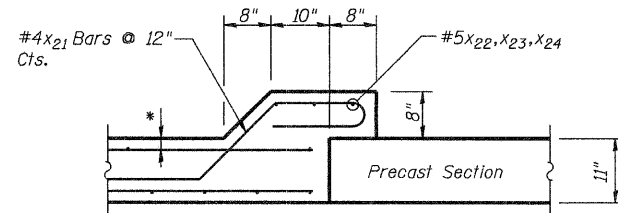
SHEET NO. S7
OF
S11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2774	0306T	COOK	55	32
SN: 016-2848		CONTRACT NO. 60C07		
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

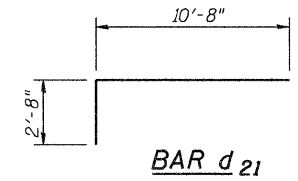


SECTION D-D

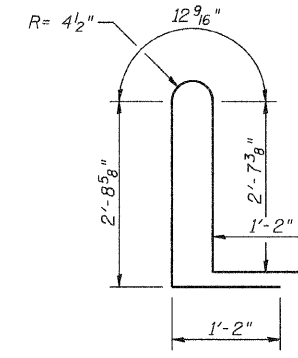


SECTION E-E

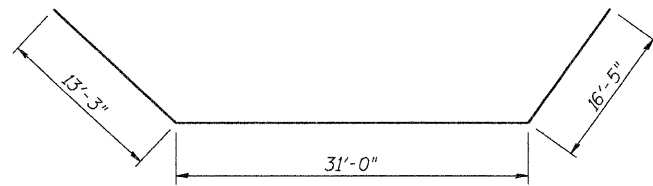
* 1/2" Cl. top & side walls,
and 2" Cl for Bottom slab.



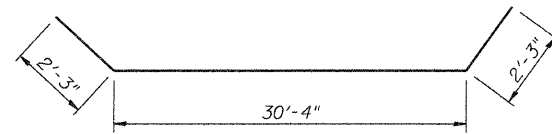
BAR d 21



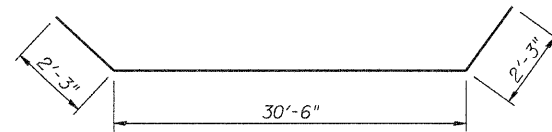
BAR d 22



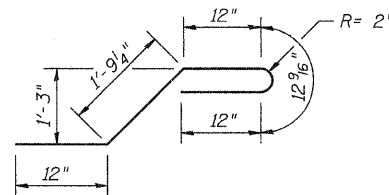
BAR h 21



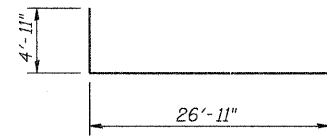
BAR h 22



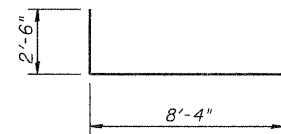
BAR h 23



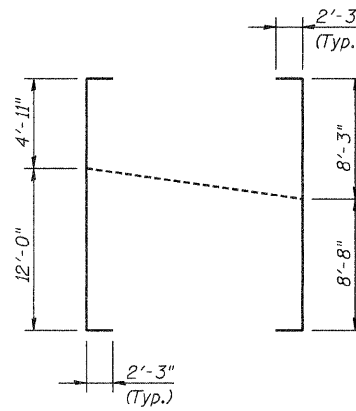
BAR x 21



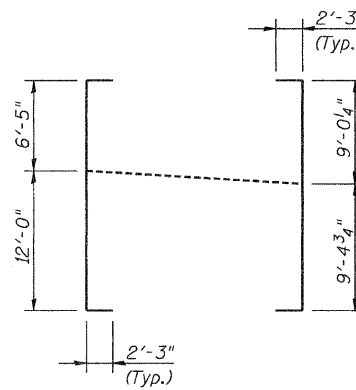
BAR x 22



BAR x 23



BAR v 21



BAR v 22

BILL OF MATERIAL**

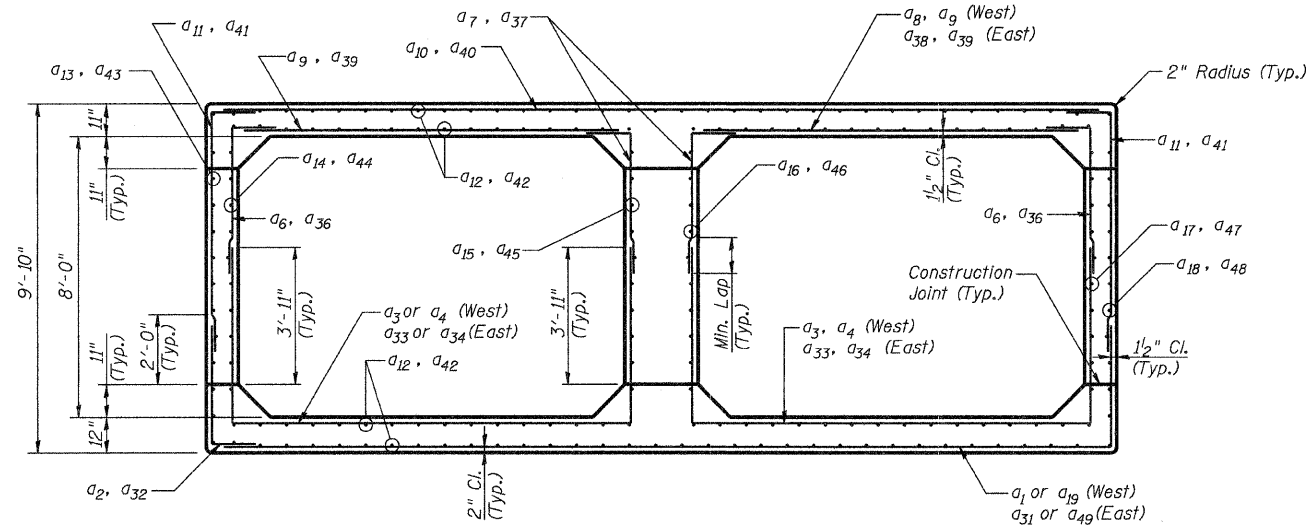
Bar	No.	Size	Length	Shape
b21	12	5	49'-10"	—
d21	51	6	13'-4"	U
d22	47	5	8'-8 9/16"	U
h21	1	8	60'-8"	—
h22	3	5	34'-10"	—
h23	3	5	35'-0"	—
h24	2	8	30'-4"	—
h25	8	5	15'-5"	—
h26	8	5	12'-2"	—
v21	9	6	21'-5"	I
v22	8	6	22'-11"	I
v23	4	6	12'-0"	—
x21	72	4	5'-9 1/16"	—
x22	3	5	36'-9"	—
x23	6	5	10'-10"	—
x24	3	5	26'-1"	—

** For information use only. The items in this Table are not to be paid separately, but are to be included in the cost for the pay item "Box Culvert End Sections."

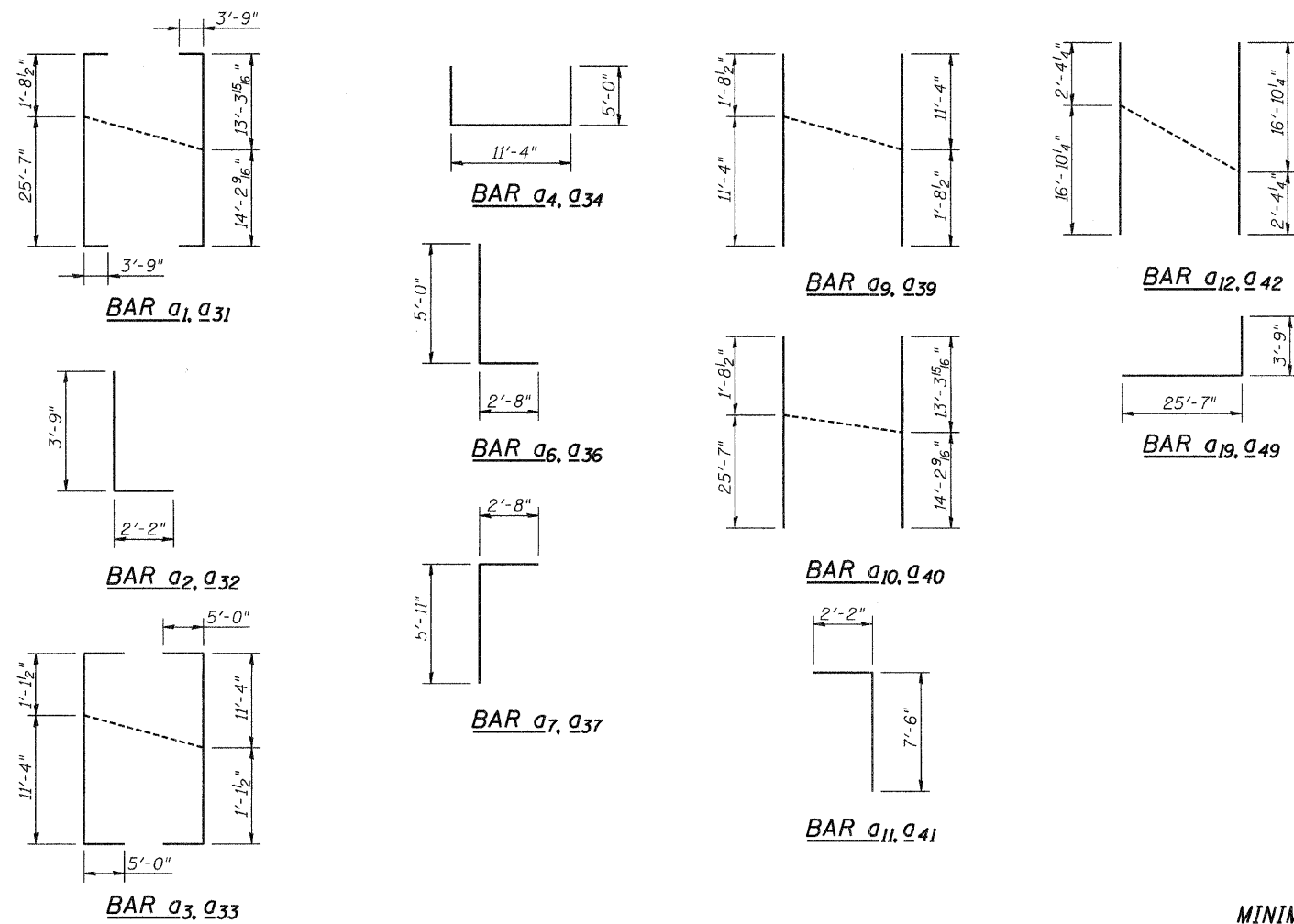
**EAST END SECTION
DETAILS II**

COLLINS ENGINEERS	SHEET NO. S8 OF S11 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		2774	0306T	COOK	55	33
DESIGNED: LDB	CHECKED: JMH	SN: 016-2848		CONTRACT NO. 60C07		
DATE: 3/27/09	DRAWN: DR	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SECTION F-F



MINIMUM BAR LAPS

#5 Bar = 2'-2"
#6 Bar = 2'-7"

BILL OF MATERIAL **
WEST SIDE

Bar	No.	Size	Length	Shape
a1	11	5	35'-0 1/2"	[]
a2	5	5	5'-11"	[]
a3	10	5	22'-5 1/2"	[]
a4	19	5	21'-4"	[]
a6	27	6	7'-8"	[]
a7	27	6	8'-7"	[]
a8	19	6	11'-4"	[]
a9	10	6	13'-0 1/2"	[]
a10	11	5	27'-6 1/2"	[]
a11	27	5	9'-8"	[]
a12	72	5	19'-2 1/2"	[]
a13	14	5	2'-4 1/2"	[]
a14	14	5	2'-8 1/2"	[]
a15	14	5	6'-9 1/8"	[]
a16	14	5	7'-9"	[]
a17	14	5	14'-1"	[]
a18	14	5	14'-4 1/2"	[]
a19	5	5	29'-4"	[]

** For information only. The items in this Table are not to be paid separately, but are to be included in the cost for the pay item "Box Culvert End Sections".

BILL OF MATERIAL **
EAST SIDE

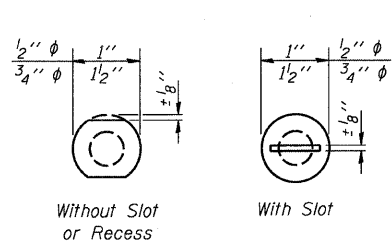
Bar	No.	Size	Length	Shape
a31	11	6	35'-0 1/2"	[]
a32	5	5	5'-11"	[]
a33	10	5	22'-5 1/2"	[]
a34	19	5	21'-4"	[]
a36	27	6	7'-8"	[]
a37	27	6	8'-7"	[]
a38	19	6	11'-4"	[]
a39	10	6	13'-0 1/2"	[]
a40	11	5	27'-6 1/2"	[]
a41	27	5	9'-8"	[]
a42	72	5	19'-2 1/2"	[]
a43	14	5	2'-4 1/2"	[]
a44	14	5	2'-8 1/2"	[]
a45	14	5	6'-9 1/8"	[]
a46	14	5	7'-9"	[]
a47	14	5	14'-1"	[]
a48	14	5	14'-4 1/2"	[]
a49	5	5	29'-4"	[]

** For information only. The items in this Table are not to be paid separately, but are to be included in the cost for the pay item "Box Culvert End Sections".

BOX CULVERT
END SECTION DETAILS

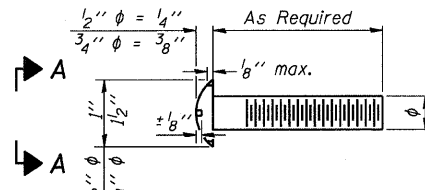
COLLINS ENGINEERS DESIGNED: LDB CHECKED: JMH DATE: 3/27/09 DRAWN: DR	SHEET NO. S9 OF S11 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		2774	0306T	COOK	55	34
SN: 016-2848			CONTRACT NO. 60C07			
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT						

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

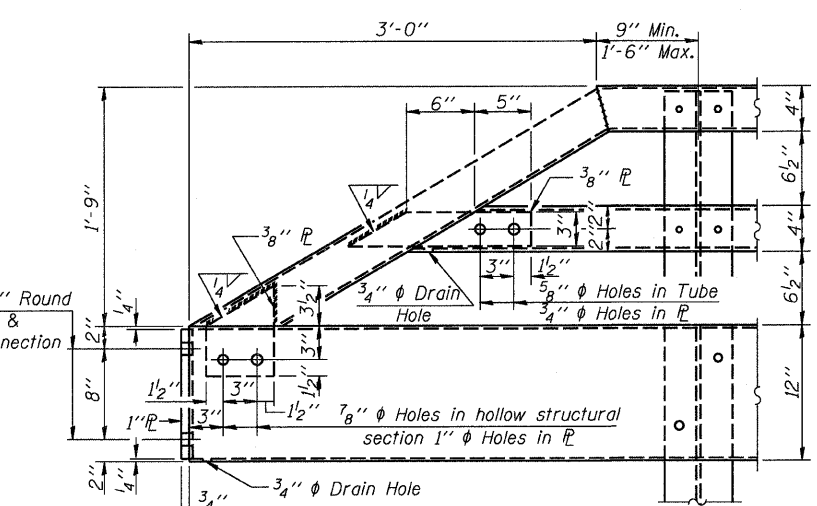


VIEW A-A

DETAIL OF 1/2" & 3/4" ROUND HEAD BOLTS

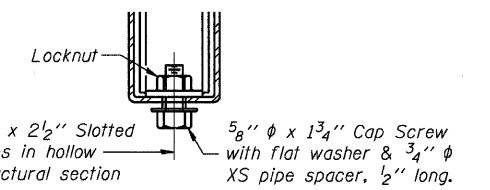


1/8" ϕ Holes for 1" ϕ x 4" Round Head Bolts 2 flat washers & locknuts for guard rail connection shown on Std. 631026

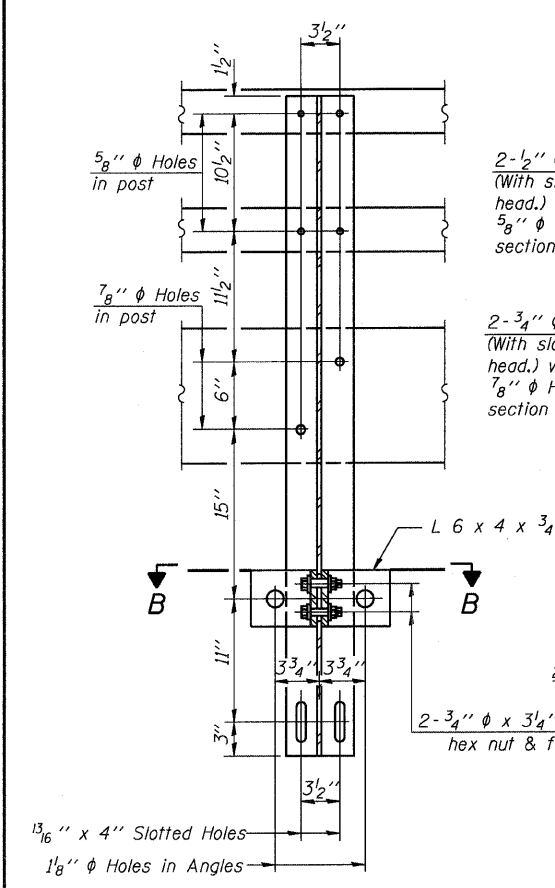


END OF RAIL DETAILS

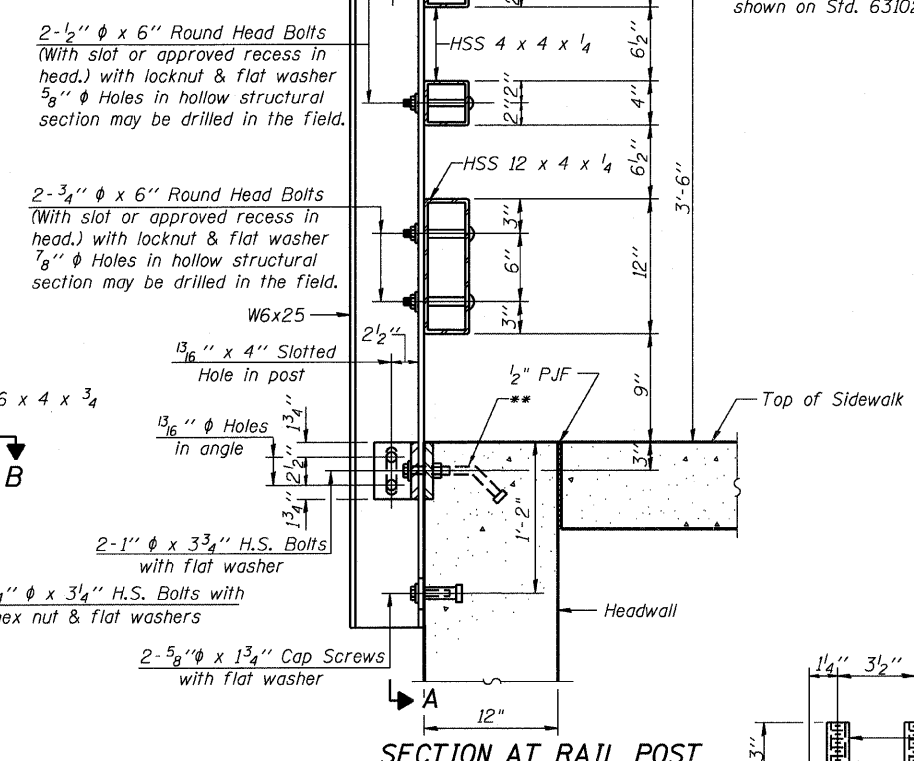
All field drilled holes shall be coated with an approved zinc rich paint before erection.
For multi-span bridges, sufficient 1/4" x 6" x 1'-3/2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type TP-1.
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
**The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.



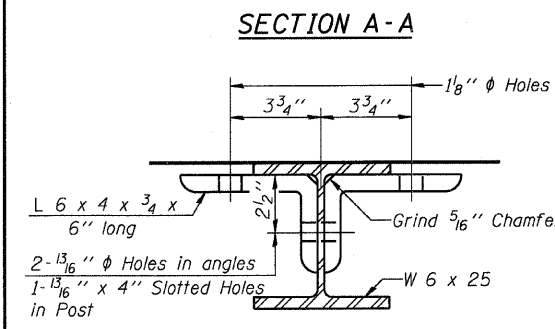
RAIL SPLICE CONNECTION AT EXPANSION JT.



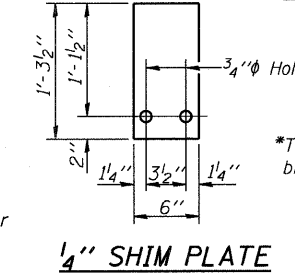
SECTION A-A



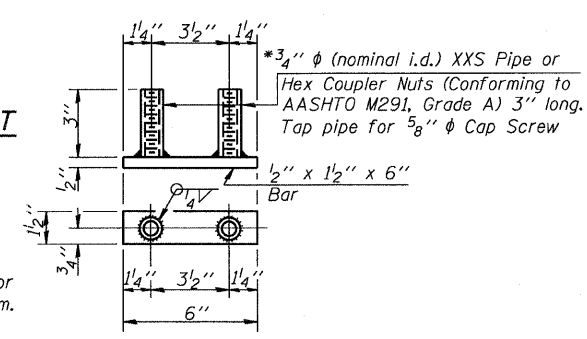
SECTION AT RAIL POST



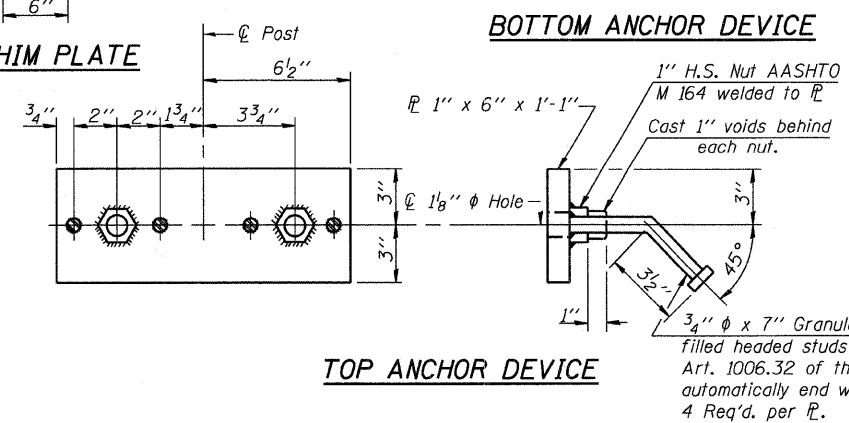
SECTION B-B



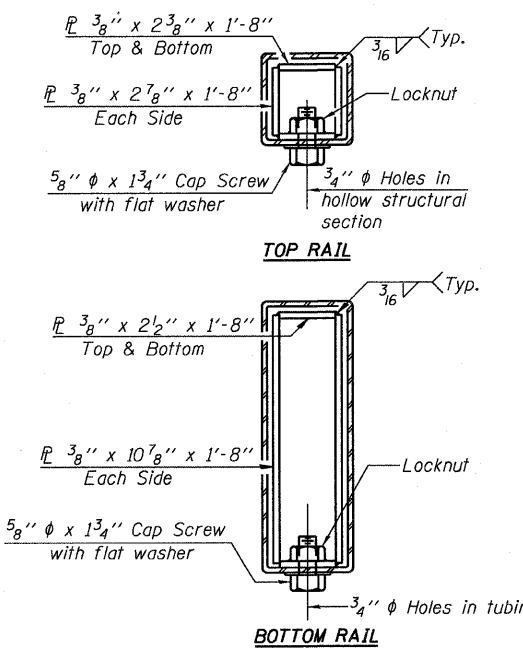
1/4" SHIM PLATE



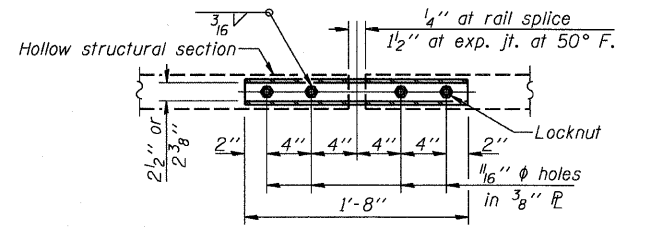
BOTTOM ANCHOR DEVICE



TOP ANCHOR DEVICE



SECTIONS AT RAIL SPLICE



PLAN-BOTTOM. SPLICE P TYPICAL

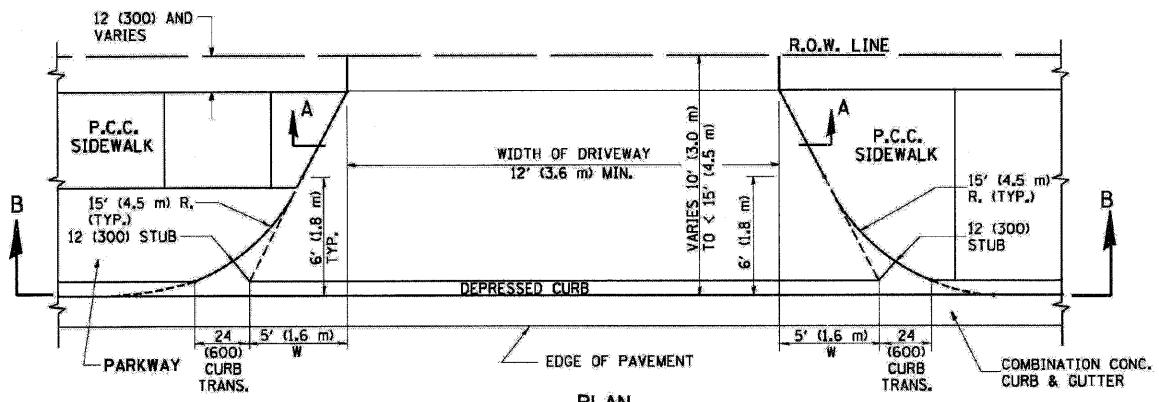
BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type TP-1	Foot	60.7

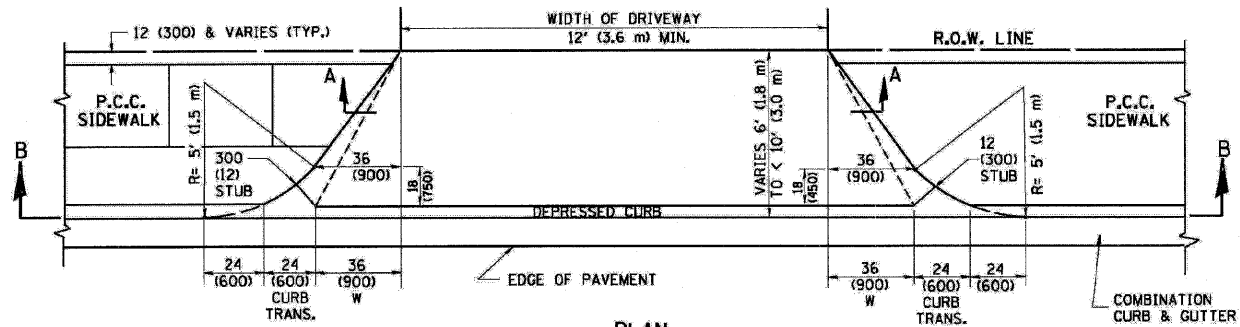
STEEL RAILING, TYPE TP-1

COLLINS ENGINEERS DESIGNED: LDB DATE: 1/29/09	CHECKED: JMH DRAWN: DR	SHEET NO. S10 OF S11 SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			2774	0306T	COOK	55	35
			SN: 016-2848		CONTRACT NO. 60C07		
			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

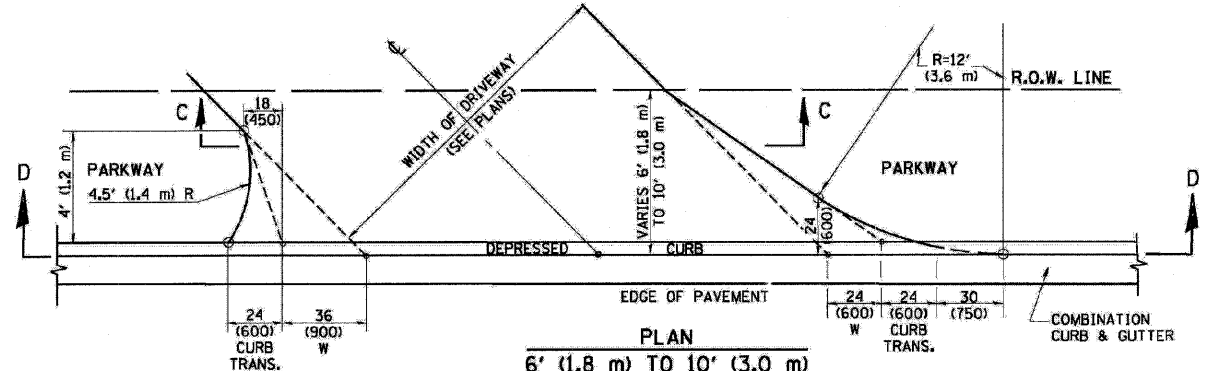
(10'-6" Maximum Post Spacing)



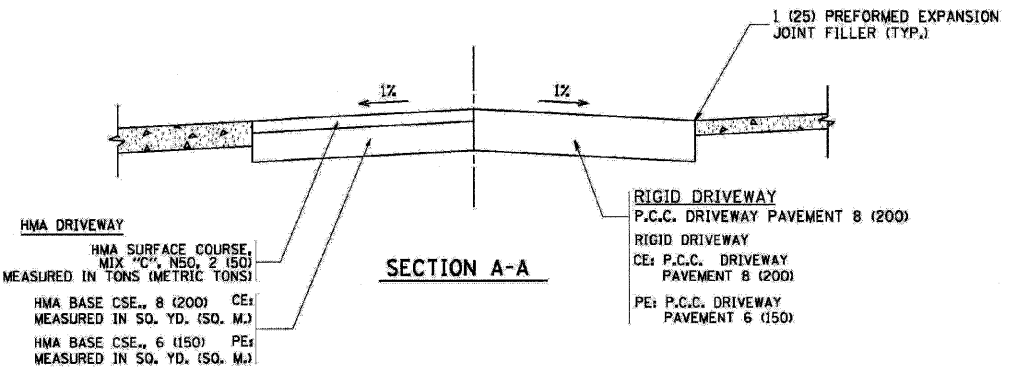
PLAN
10' (3.0 m) TO < 15' (4.5 m)



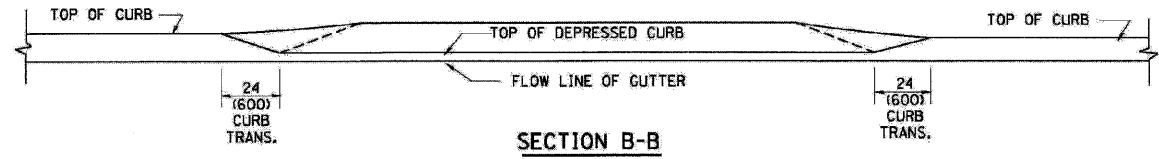
PLAN
6' (1.8 m) TO < 10' (3.0 m)



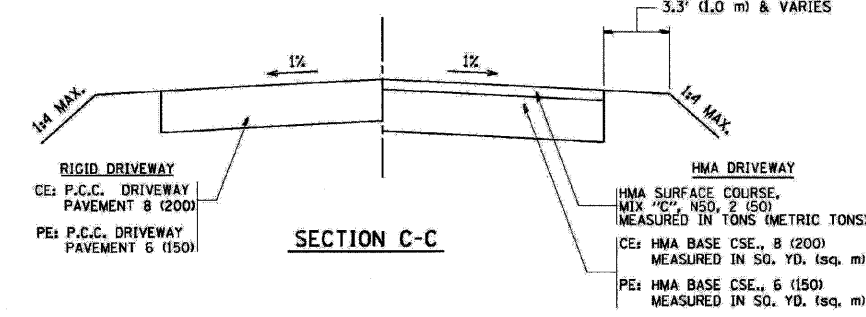
PLAN
6' (1.8 m) TO 10' (3.0 m)



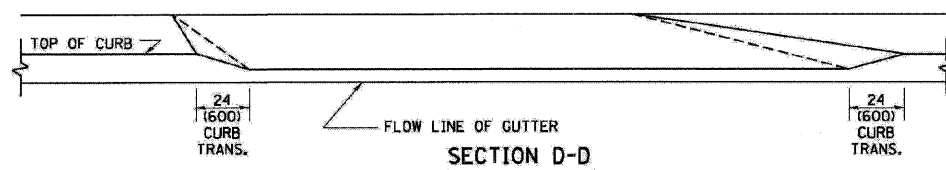
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN B' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS, SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

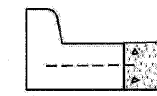
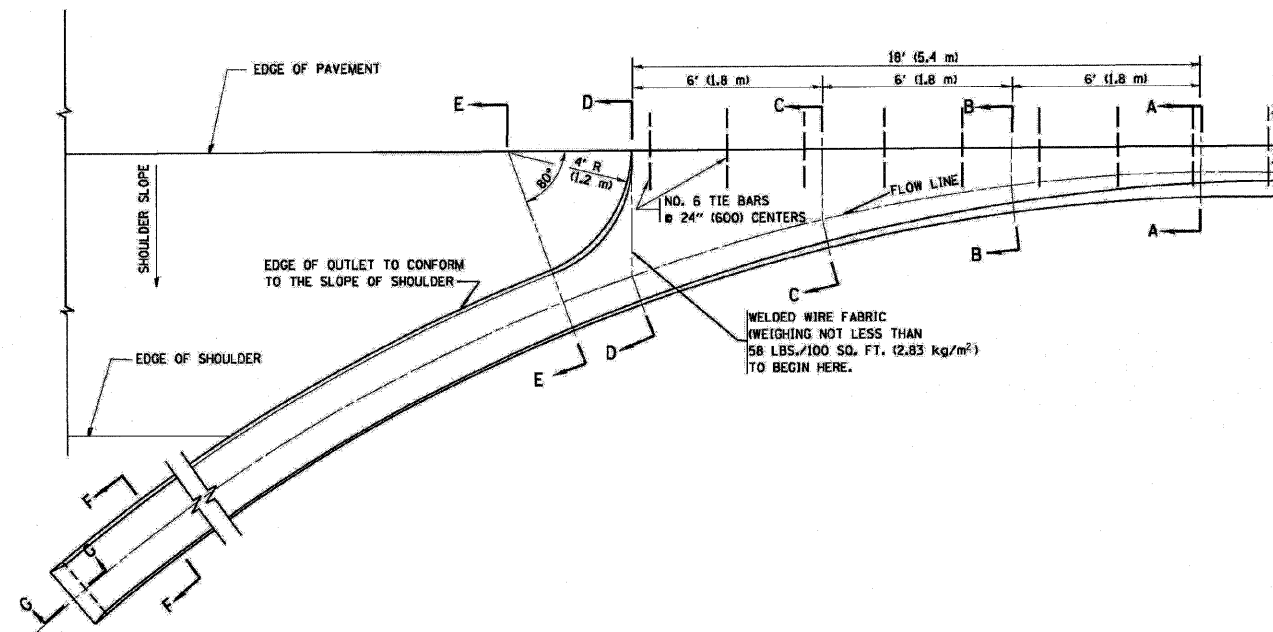
THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

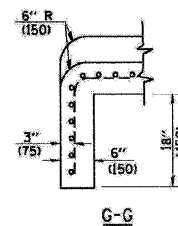
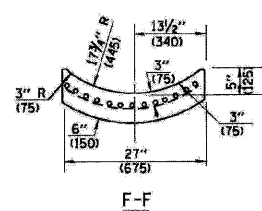
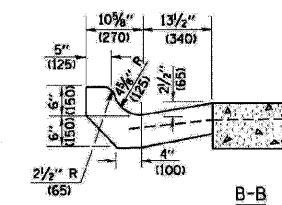
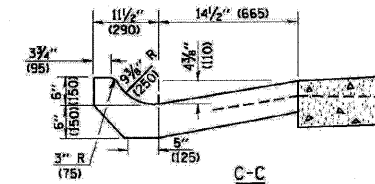
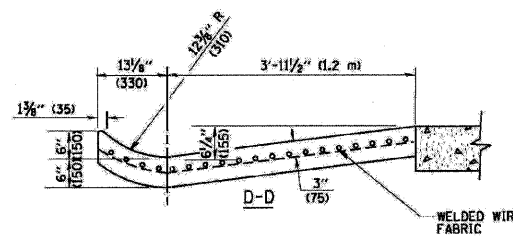
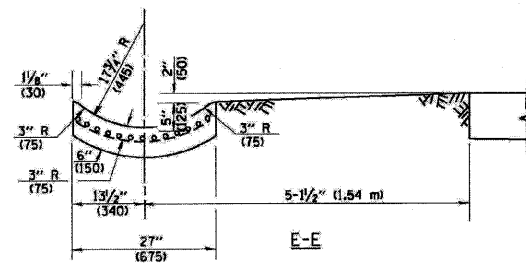
DRIVEWAY DETAILS – DISTANCE BETWEEN R.O.W. AND FACE OF CURB IS LESS THAN 15'

FILE NAME = ...ND160007-shd-details.dgn	USER NAME = Plotted by f1in	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS OAK PARK AVENUE OVER UNION DRAINAGE DITCH	F.A.U. RTE. = 2774	SECTION = 0306T	COUNTY = COOK	TOTAL SHEETS = 55	SHEET NO. = 38		
PLOT SCALE = 5/8"=1' IN.	CHECKED - FML	REVISIED -	SCALE: N.T.S.			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. = ILLINOIS	FED. AID PROJECT	CONTRACT NO. 60C07		
PLOT DATE = 12/9/2008	DATE = 10/2008	REVISIED -										



A-A *

* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24" (600) CENTERS UNLESS OTHERWISE SHOWN.

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

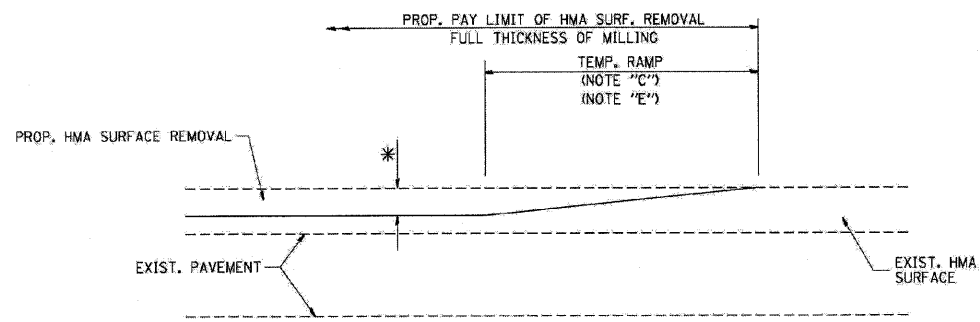
QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL = 1.25 CU. YDS. (0.96 m³) CLASS S1 CONCRETE (OUTLET) FOR 9" (225) PAV'T.
1.27 CU. YDS. (0.96 m³) CLASS S1 CONCRETE (OUTLET) FOR 10" (250) PAV'T.
FOR SECTION F-F = 0.045 CU. YDS. (0.03 m³) CLASS S1 CONCRETE PER FF. (M).

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

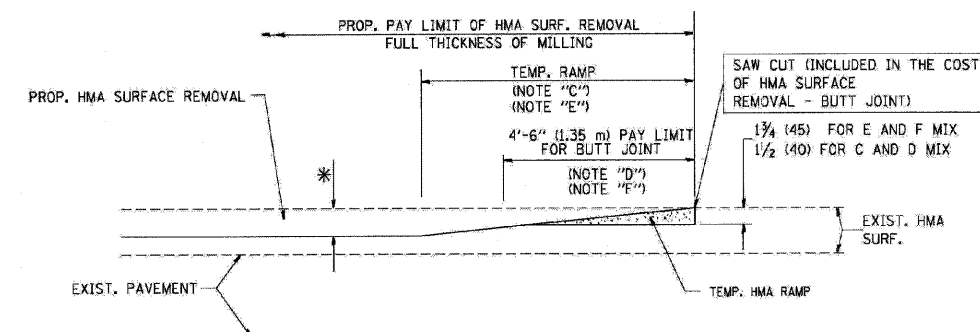
OUTLET FOR CONCRETE CURB AND GUTTER

FILE NAME = ...\\D150C07-ehd-details.dgn	USER NAME = Plotted by flin	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS OAK PARK AVENUE OVER UNION DRAINAGE DITCH	F.A.U. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 39
	PLOT SCALE = 500.0012 1/4" / IN.	CHECKED - FML	REVISED -			SCALE: N.T.S.	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60C07
PLOT DATE = 12/9/2008	DATE = 10/2008	REVISED -	REVISED -							



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

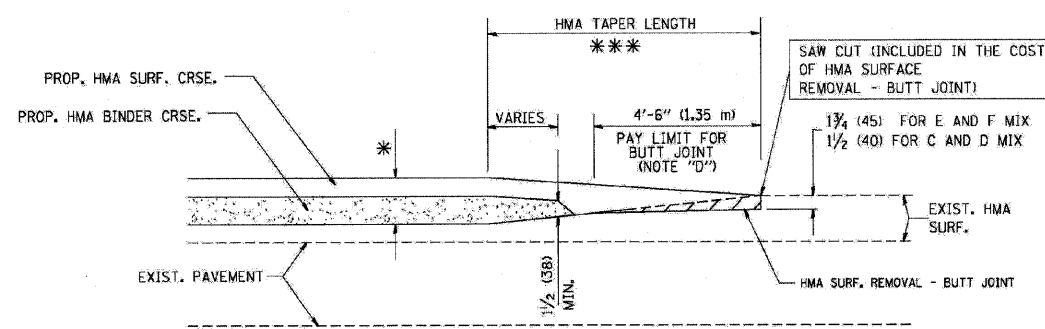
OPTION 1



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

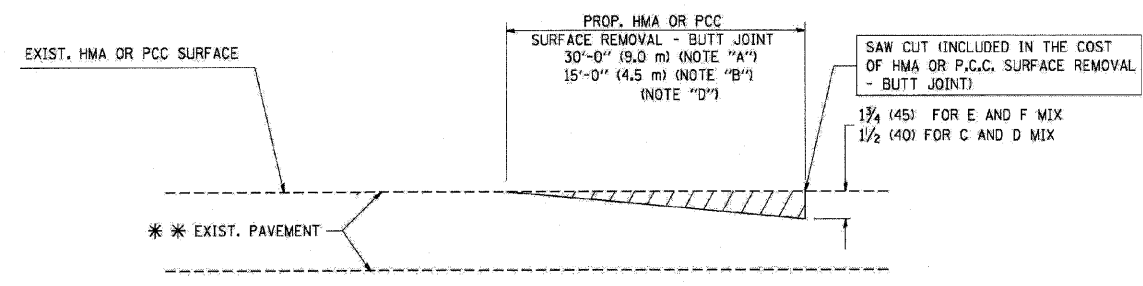
OPTION 2

TYPICAL TEMPORARY RAMP

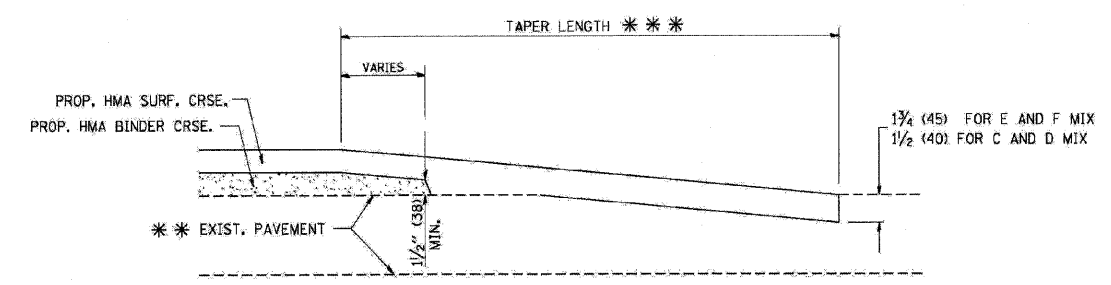


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

NOTES

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

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

BASIS OF PAYMENT:

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

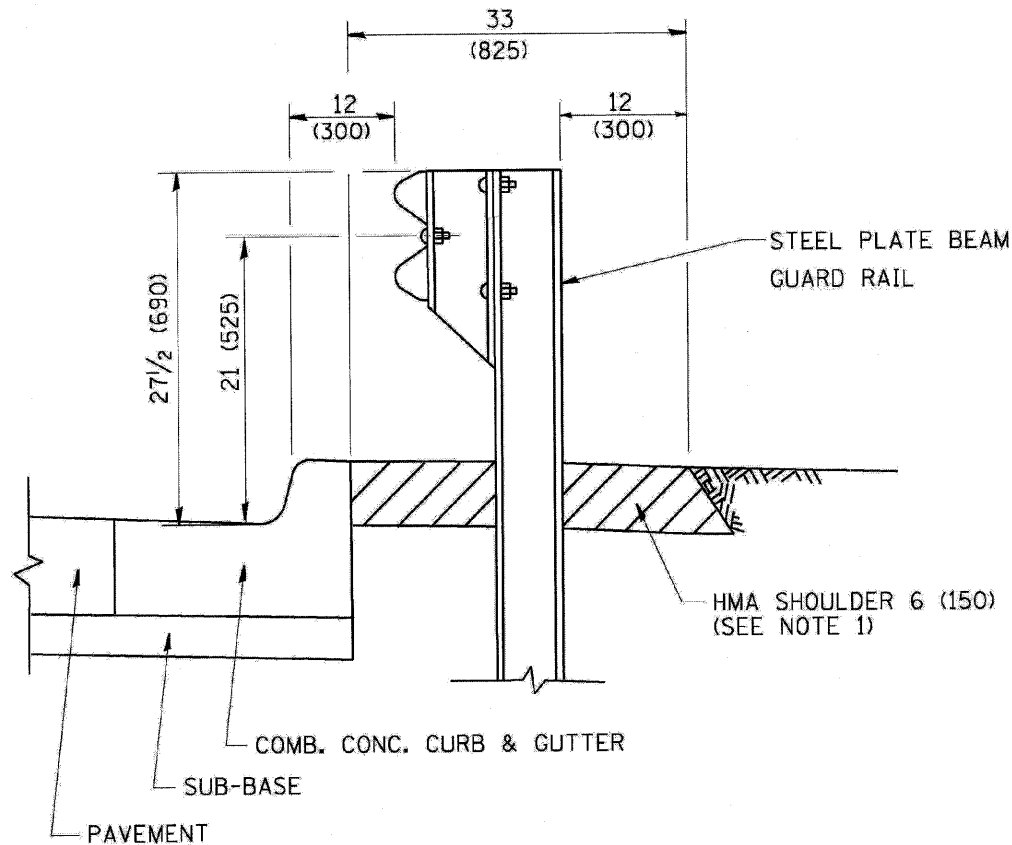
BUTT JOINT AND HMA TAPER DETAILS

SCALE: VERT. NONE
HORIZ.

DRAWN BY
CHECKED BY

BUTT JOINT AND HMA TAPER DETAILS

FILE NAME = ...ND160C27-ht-details.dgn	USER NAME = Plotted by flin	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS OAK PARK AVENUE OVER UNION DRAINAGE DITCH	F.A.U. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 40	
PLOT SCALE = 5000.00012 1" / IN.	CHECKED - FML	REVISOR -	REVISOR -			SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 60C07		
PLOT DATE = 12/9/2008	DATE - 10/2008	REVISOR -	REVISOR -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

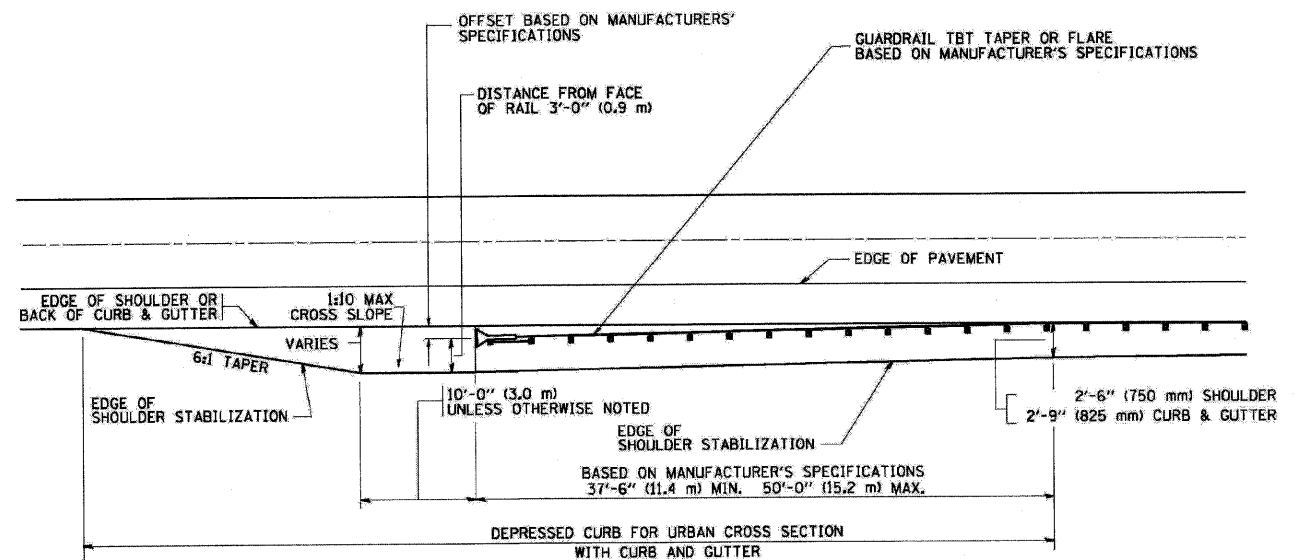


- NOTES: 1. THE HMA SHOULDER SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL
2. GUARD RAIL MAY BE PLACED AT THE BACK OF CURB WHEN DIRECTED BY THE ENGINEER.

BASIS OF PAYMENT: HMA SHOULDER 6 (150) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDER 6" (150 mm)".

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER
 [FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]

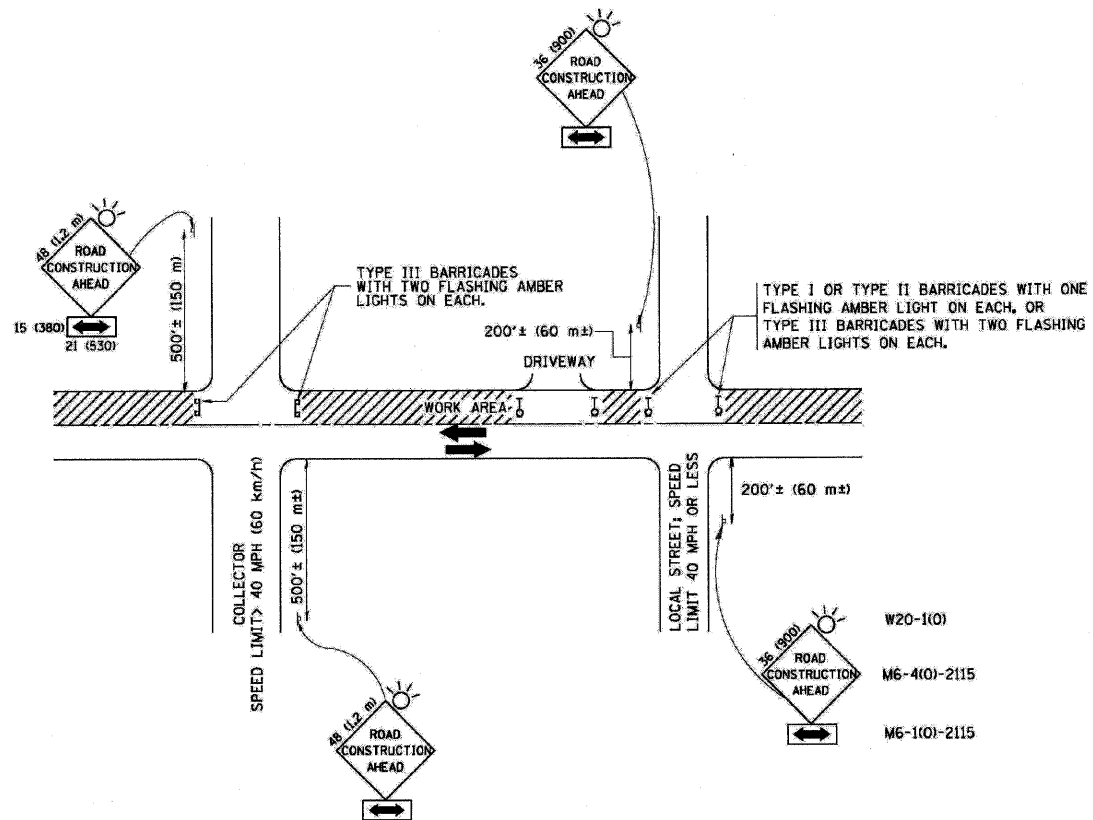


STABILIZATION AT TBT TY. 1 SPL.

TBT = TRAFFIC BARRIER TERMINAL
 ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

STEEL PLATE BEAM GUARDRAIL ADJACENT TO CURB AND GUTTER AND STABILIZATION AT TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL

FILE NAME = ...D168C87-sht-details.dgn	USER NAME = Plotted by fln	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS OAK PARK AVENUE OVER UNION DRAINAGE DITCH			F.A.U. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 41
	PLOT SCALE = 5/8" = 1' / IN.	DRAWN - ST	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
	PLOT DATE = 12/9/2008	CHECKED - FML	REVISED -					CONTRACT NO. 60C07				
		DATE - 10/2008	REVISED -									



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

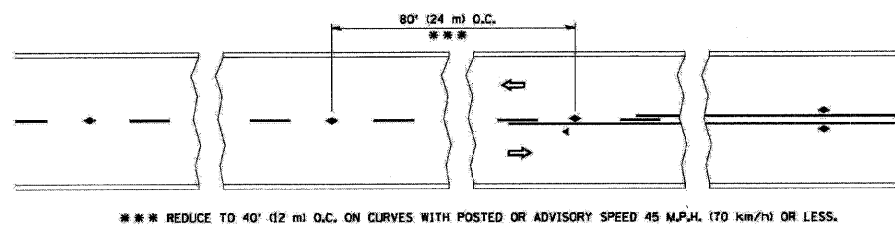
B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
 - D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

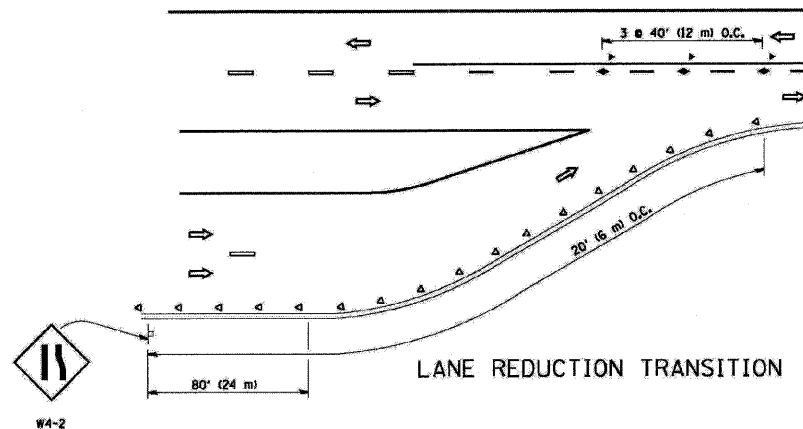
All dimensions are in millimeters (inches) unless otherwise shown.

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS

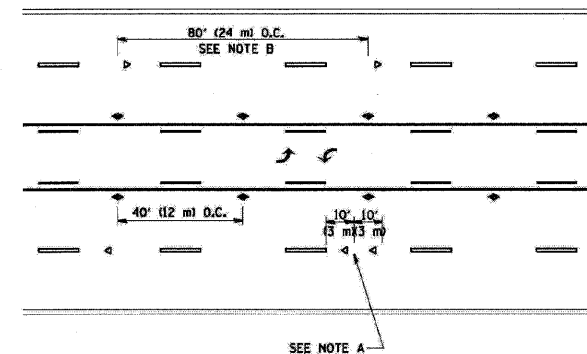
FILE NAME = ...N160C07-sht-details.dgn	USER NAME = Plotted by flin	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS OAK PARK AVENUE OVER UNION DRAINAGE DITCH				F.A.J.U. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 44
PLOT SCALE = 50x8.00/12 1/4" / IN.	CHECKED - FML	REVISED -	REVISED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60C07		
PLOT DATE = 12/9/2008	DATE - 10/2008	REVISED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								



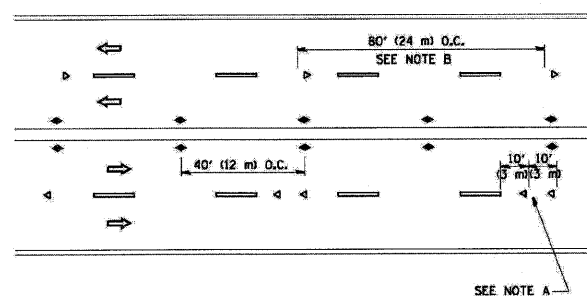
TWO-LANE/TWO-WAY



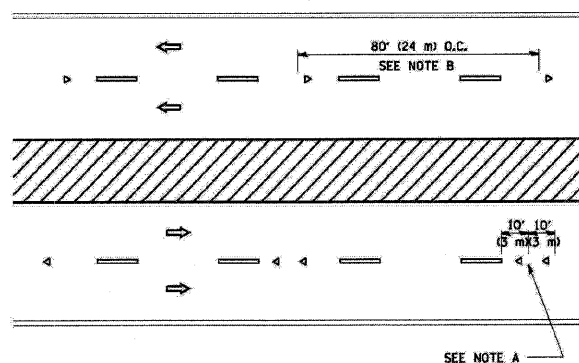
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

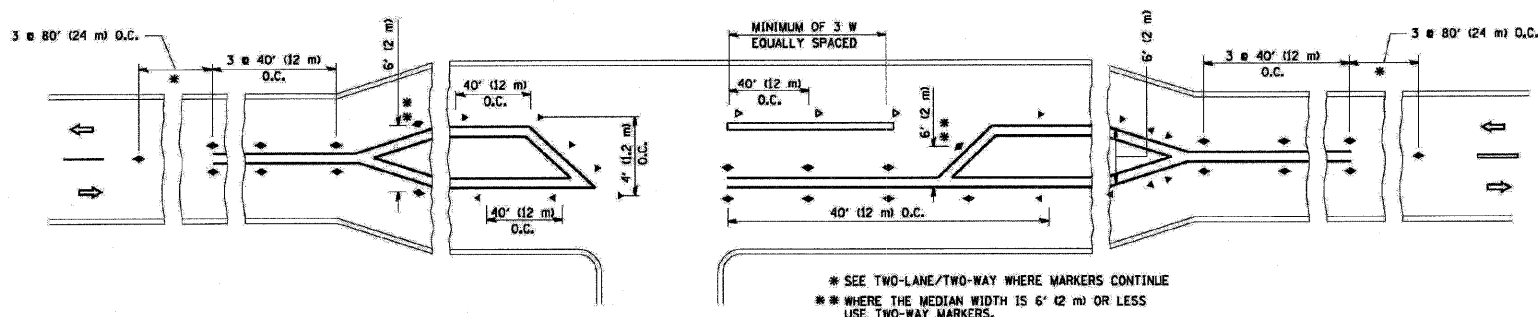
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◄ ONE-WAY CRYSTAL MARKER (W/O)
- ↔ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (16 km/h) LOWER THAN POSTED SPEEDS.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

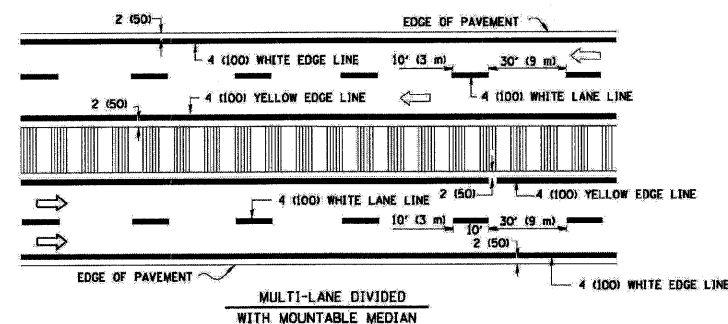
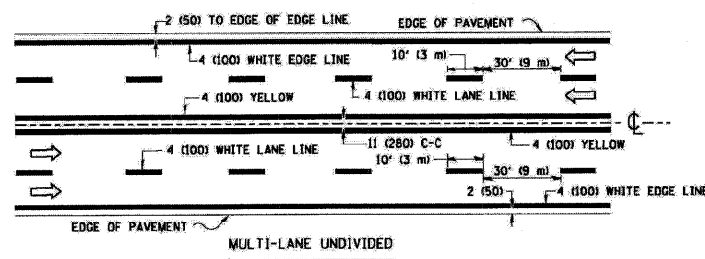
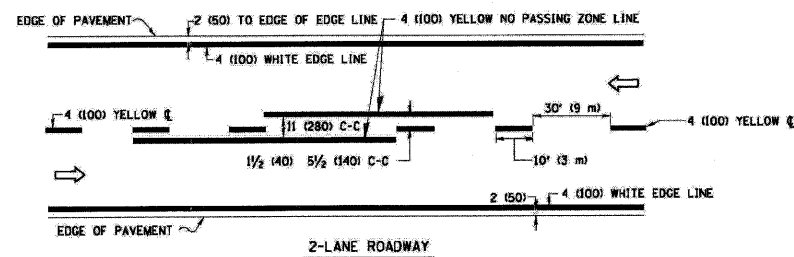


LEFT TURN

- * SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
- ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

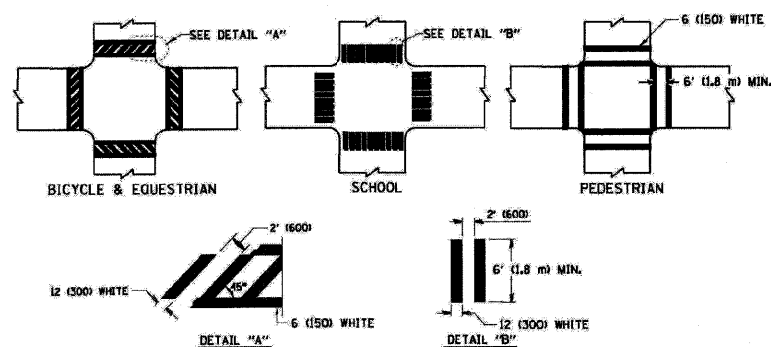
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)

FILE NAME = ...ND168C07-sht-details.dgn	USER NAME = Plotted by flin	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS OAK PARK AVENUE OVER UNION DRAINAGE DITCH			F.A.U. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 45
PLOT SCALE = 500.00012 1" / IN.	CHECKED - FML	REVISIED -	REVISIED -		SCALE: N.T.S.	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60C07	
PLOT DATE = 12/9/2008	DATE - 10/2008	REVISIED -	REVISIED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

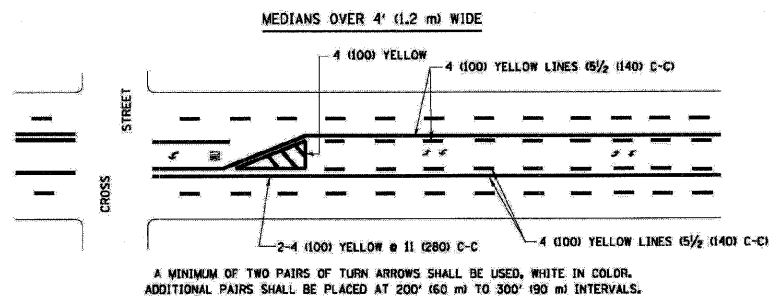
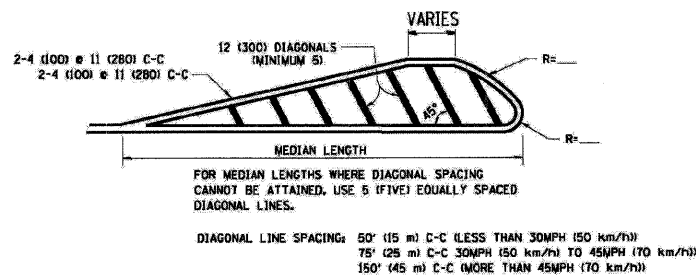
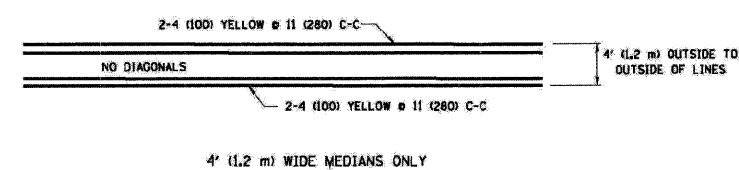


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

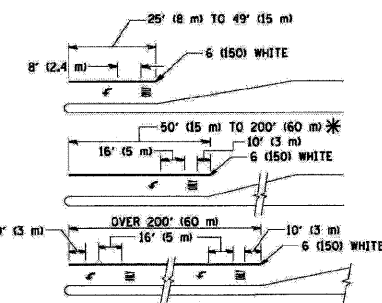
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



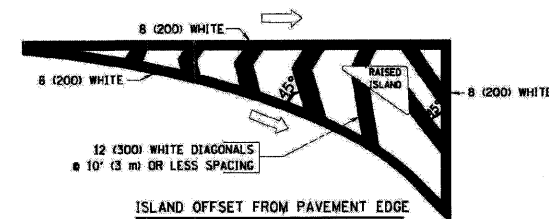
TYPICAL PAINTED MEDIAN MARKING



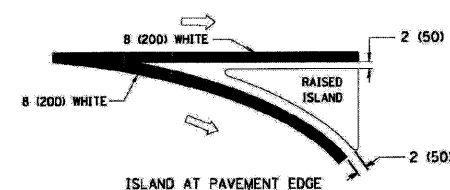
FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
LANE LINES	4 (100)	SKIP-DASH	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	5 (125) ON FREEWAYS	SKIP-DASH	WHITE	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS 18" (4.4m)	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8" (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL))	2 @ 6 (150)	SOLID	WHITE	NOT LESS THAN 6' (1.8 m) APART
	12 (300) @ 45°	SOLID	WHITE	2' (600) APART
	12 (300) @ 90°	SOLID	WHITE	SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC; WHITE; ONE WAY TRAFFIC.	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 5' (1.5 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=94.0 SQ. FT. (8.6 m²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

FILE NAME = ...ND162C07-shd-details.dgn	USER NAME = Plotted by flin	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS OAK PARK AVENUE OVER UNION DRAINAGE DITCH			F.A.U. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 46
	PLOT SCALE = 5/8" @ 112' 1/4" IN.	DRAWN - ST	REVISED -		SCALE: N.T.S.	SHEET NO. OF	SHEETS STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60C07	
	PLOT DATE = 12/9/2008	CHECKED - FML	REVISED -									
		DATE - 10/2008	REVISED -									

ROUTE MARKERS

FOR U.S. ROUTES
M1-40-2424

FOR ILLINOIS ROUTES
M1-50-2424

R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1L-2115

M6-1R-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

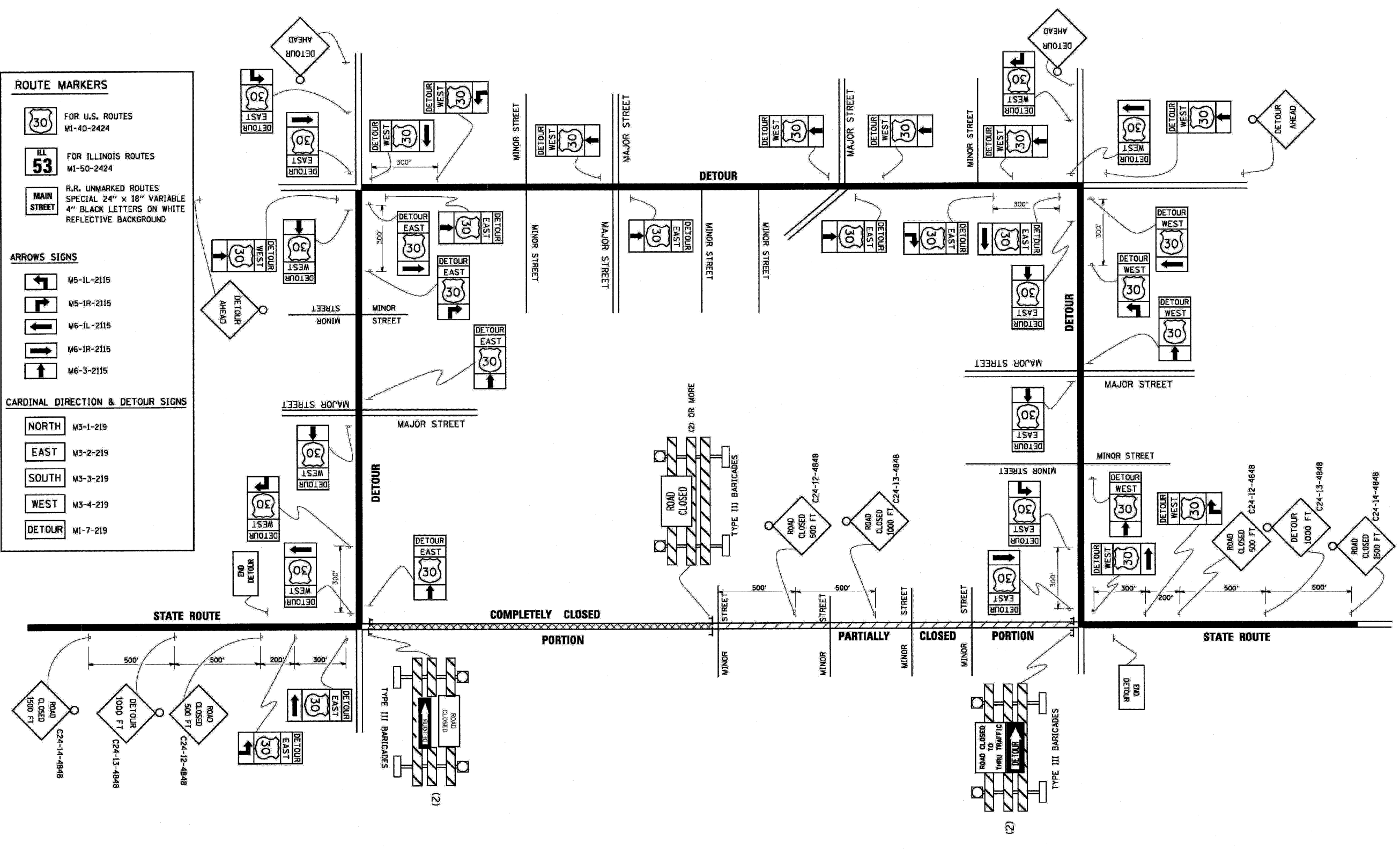
NORTH M3-1-219

EAST M3-2-219

SOUTH M3-3-219

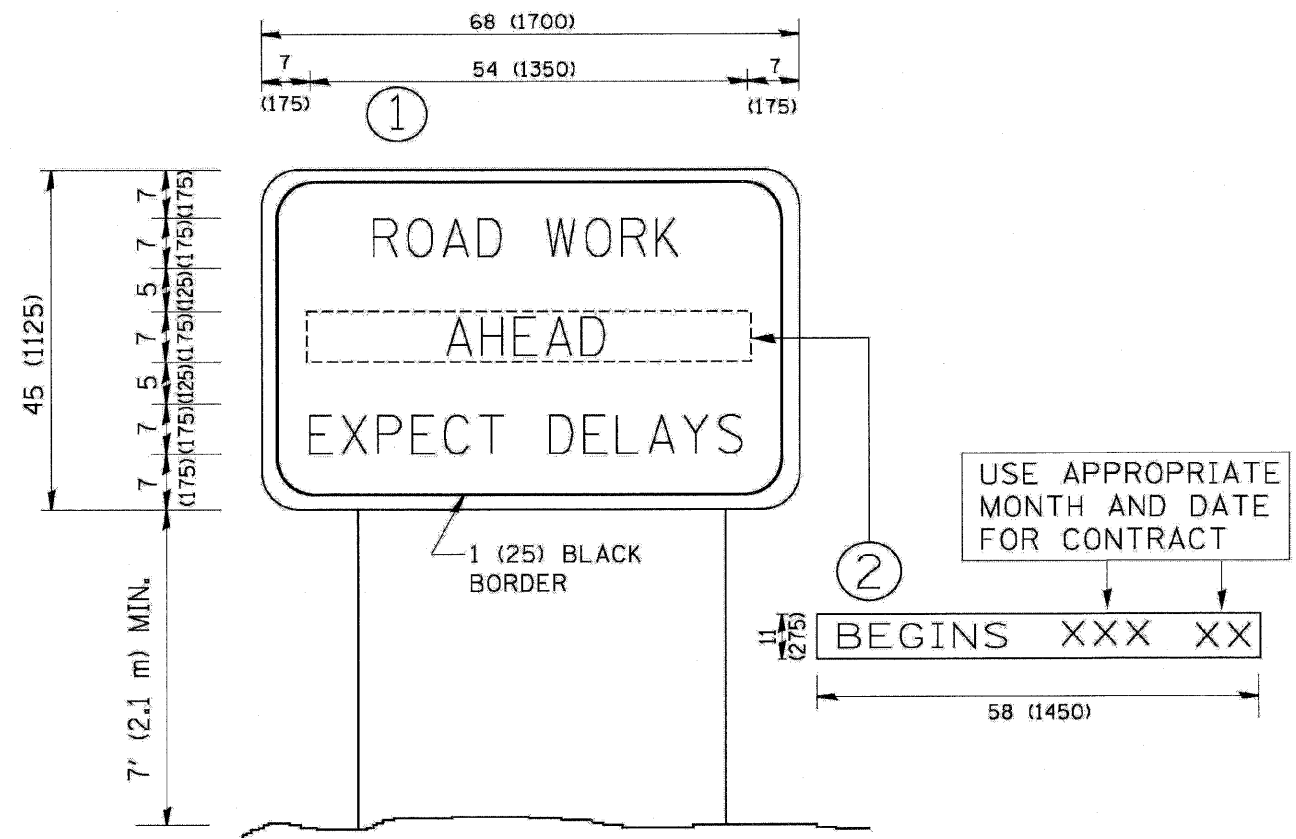
WEST M3-4-219

DETOUR M1-7-219



TYPICAL MARKING FOR CLOSING STATE HIGHWAYS

FILE NAME = ...N160C07-sht-details.dgn	USER NAME = Plotted by fln	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS OAK PARK AVENUE OVER UNION DRAINAGE DITCH			F.A.U. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 47
PLOT SCALE = 5/8" = 1' / IN.		DRAWN - ST	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 60C07				
PLOT DATE = 12/9/2008		CHECKED - FML	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE - 10/2008	REVISED -									



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

ARTERIAL ROAD INFORMATION SIGN

FILE NAME = ...\\D160C07-sht-details.dgn	USER NAME = Plotted by flin	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS OAK PARK AVENUE OVER UNION DRAINAGE DITCH	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 50x0.0012 1/4" / IN.	CHECKED - FML	REVISED -	2774			0306T	COOK	55	48		
PLOT DATE = 12/9/2008	DATE - 10/2008	REVISED -	SCALE: N.T.S.			SHEET NO. OF SHEETS		STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
								CONTRACT NO. 60C07			



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

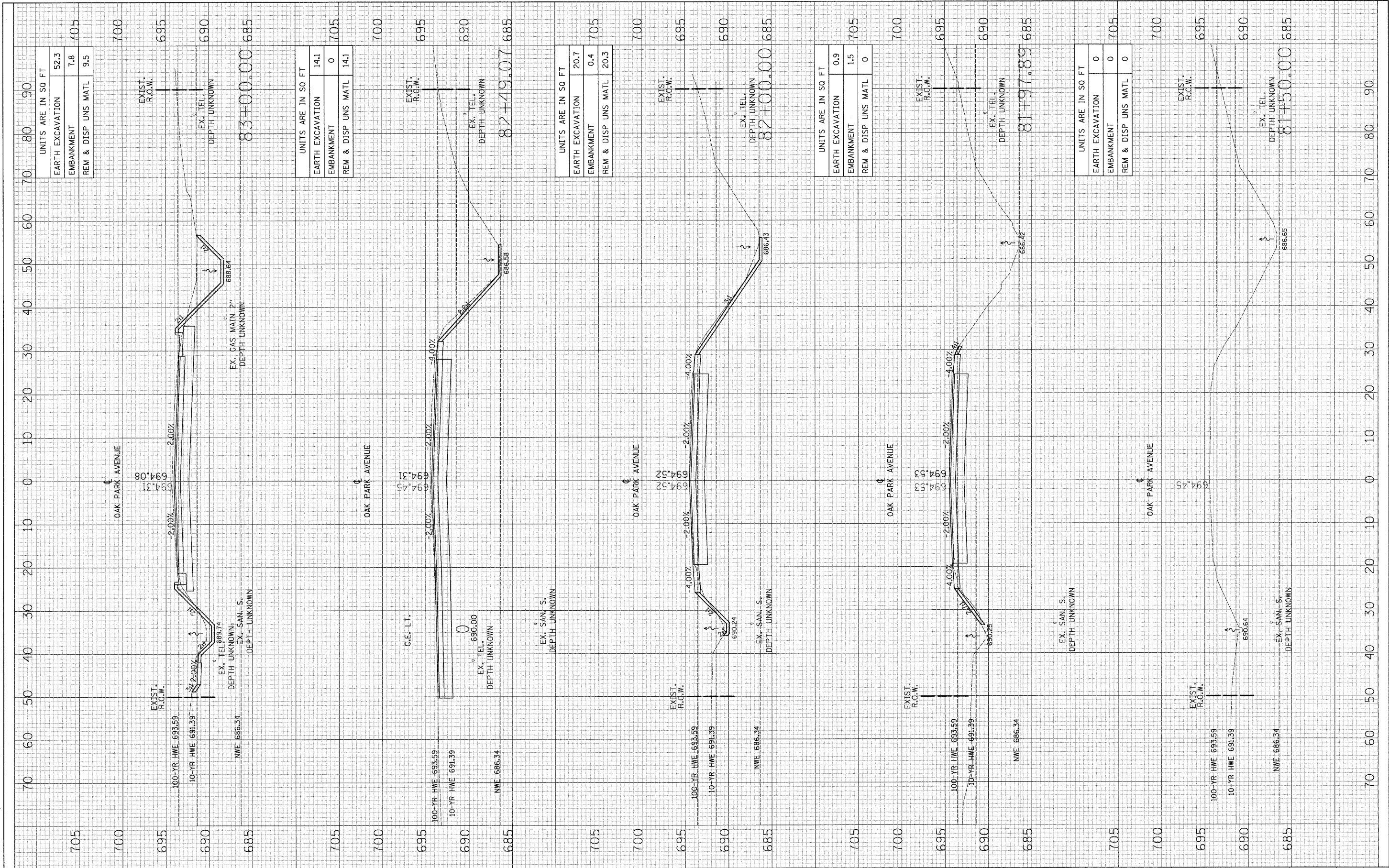
1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

DRIVEWAY ENTRANCE SIGNING

FILE NAME = ...D162C07-sht-details.dgn	USER NAME = Plotted by flin	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT STANDARDS OAK PARK AVENUE OVER UNION DRAINAGE DITCH	F.A.J. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 49		
						SCALE: N.T.S.	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
						CONTRACT NO. 60C07						
PLOT SCALE = 5/8" = 1' / IN.	CHECKED - FML	REVISIED -										
PLOT DATE = 12/9/2008	DATE - 10/2008	REVISIED -										

FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



UNITS ARE IN SQ FT	
EARTH EXCAVATION	52.3
EMBANKMENT	7.8
REM & DISP UNS MATL	9.5

UNITS ARE IN SQ FT	
EARTH EXCAVATION	14.1
EMBANKMENT	0
REM & DISP UNS MATL	14.1

UNITS ARE IN SQ FT	
EARTH EXCAVATION	20.7
EMBANKMENT	0.4
REM & DISP UNS MATL	20.3

UNITS ARE IN SQ FT	
EARTH EXCAVATION	0.9
EMBANKMENT	1.5
REM & DISP UNS MATL	0

UNITS ARE IN SQ FT	
EARTH EXCAVATION	0
EMBANKMENT	0
REM & DISP UNS MATL	0

FILE NAME = ...\\D168C07-sht-xesht.dgn

USER NAME = Plotted by Administrator
 PLOT SCALE = 18.00' = 1" IN.
 PLOT DATE = 1/11/2009

DESIGNED - OWR
 DRAWN - OWR
 CHECKED - FML
 DATE - 10/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

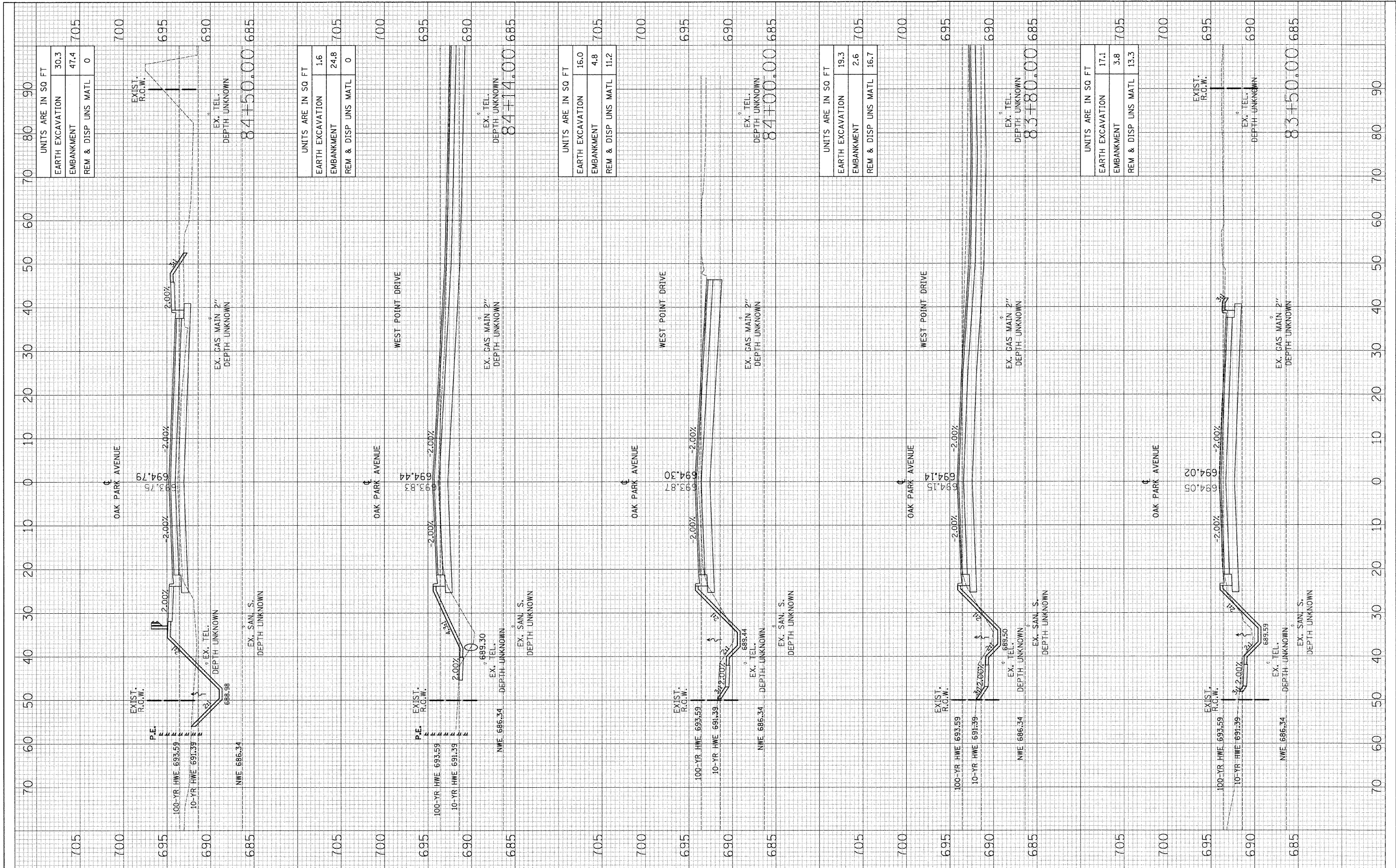
**CROSS SECTIONS
 OAK PARK AVENUE OVER UNION DRAINAGE DITCH**

SCL: H1"=10', V1"=5' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2774	0306T	COOK	55	50
CONTRACT NO. 60C07				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	DATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	DATE	
	AREAS CHECKED	



FILE NAME =	USER NAME = Plotted by Administrator	DESIGNED - OWR	REVISED -
...\\D160C07-shr-xash.tdgn		DRAWN - OWR	REVISED -
		CHECKED - FML	REVISED -
		DATE - 10/2008	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

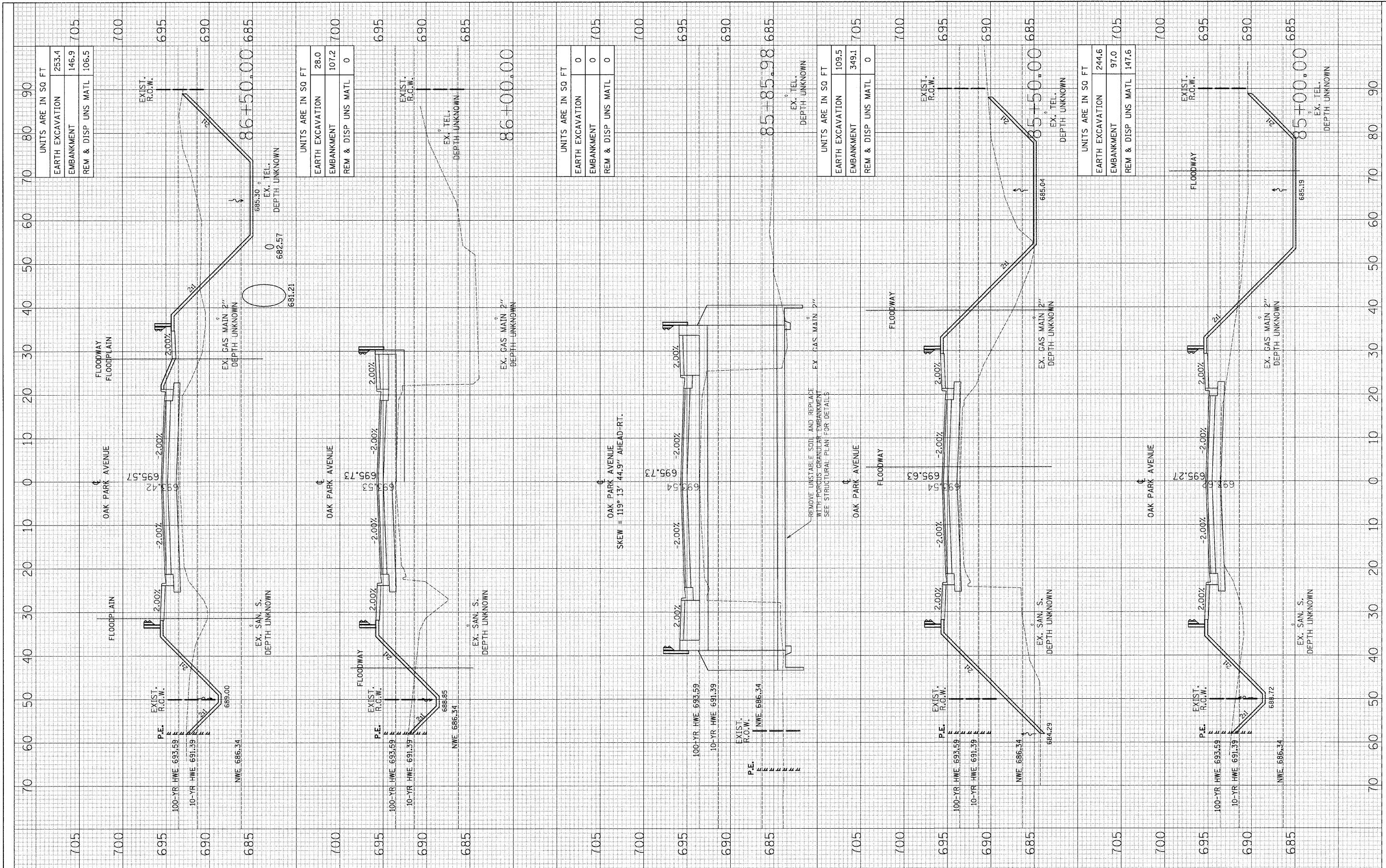
**CROSS SECTIONS
OAK PARK AVENUE OVER UNION DRAINAGE DITCH**

SCL: H1'=10', V1'=5' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2774	0306T	COOK	55	51
CONTRACT NO. 60C07				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	DATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	DATE		
	AREAS CHECKED		



FILE NAME =
...\\D160C07-sht-xssht.dgn

USER NAME =	Plotted by Administrator
DESIGNED -	OWR
DRAWN -	OWR
CHECKED -	FML
DATE -	10/2008

REVISIONS	NO.	DESCRIPTION

UNITS ARE IN SQ FT	
EARTH EXCAVATION	28.0
EMBANKMENT	107.2
REM & DISP UNS MATL	0

UNITS ARE IN SQ FT	
EARTH EXCAVATION	0
EMBANKMENT	0
REM & DISP UNS MATL	0

UNITS ARE IN SQ FT	
EARTH EXCAVATION	109.5
EMBANKMENT	349.1
REM & DISP UNS MATL	0

UNITS ARE IN SQ FT	
EARTH EXCAVATION	109.5
EMBANKMENT	349.1
REM & DISP UNS MATL	0

UNITS ARE IN SQ FT	
EARTH EXCAVATION	244.6
EMBANKMENT	97.0
REM & DISP UNS MATL	147.6

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

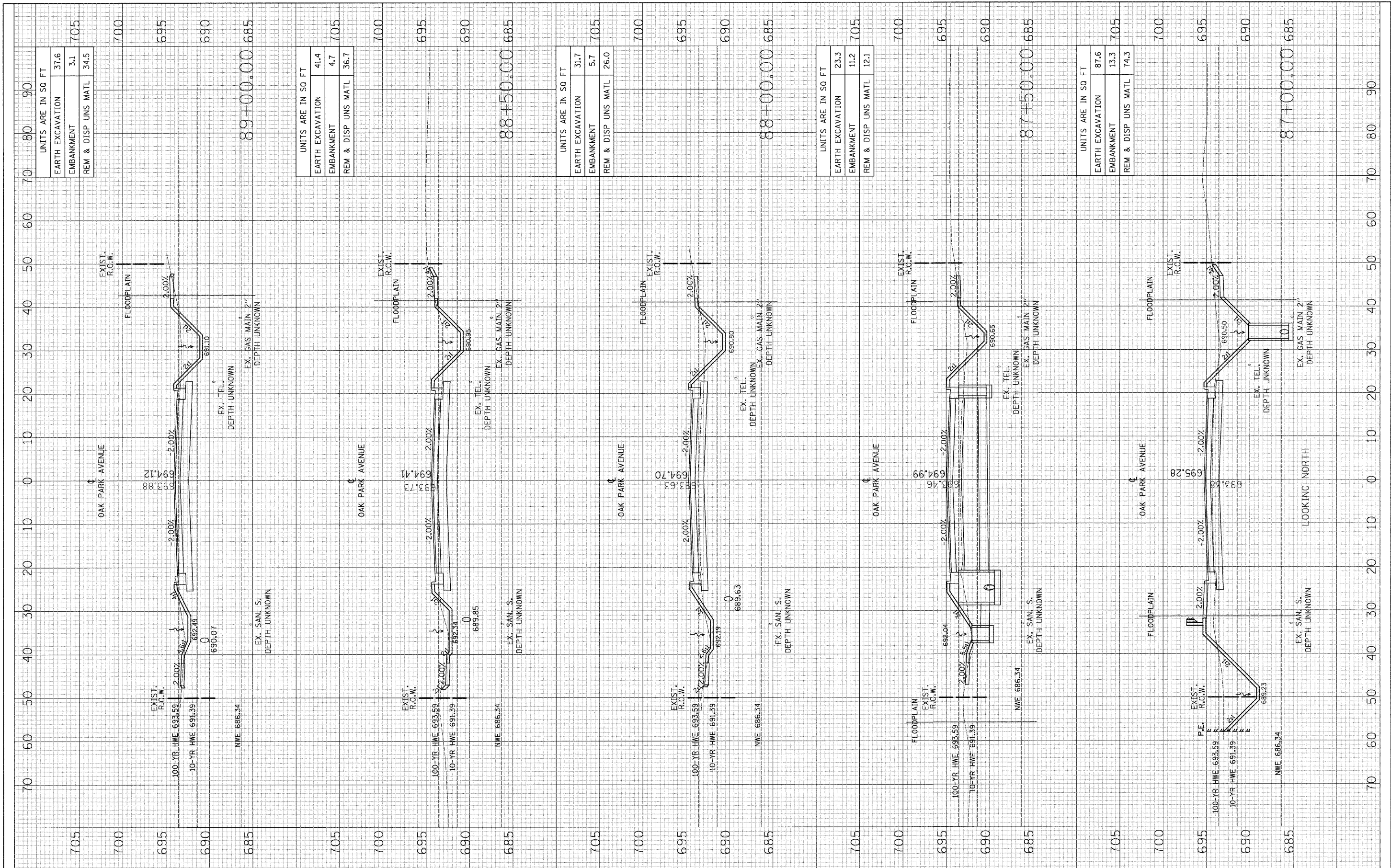
**CROSS SECTIONS
OAK PARK AVENUE OVER UNION DRAINAGE DITCH**

SCL: H1'=10', V1'=5' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2774	0306T	COOK	55	52
CONTRACT NO. 60C07				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	DATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	DATE		
	AREAS CHECKED		



FILE NAME =	USER NAME = Plotted by Administrator	DESIGNED - OWR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS OAK PARK AVENUE OVER UNION DRAINAGE DITCH	F.A.U. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 53
...\\D160C07-sht-xxsht.dgn	PLOT SCALE = 10,00' / IN.	CHECKED - FML	REVISED -			CONTRACT NO. 60C07				
PLOT DATE = 1/11/2009	DATE - 10/2008	REVISED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
						SCL: H1'=10', V1'=5' SHEET NO. OF SHEETS STA. TO STA.				

UNITS ARE IN SQ FT	
EARTH EXCAVATION	37.6
EMBANKMENT	3.1
REM & DISP UNS MATL	34.5
705	

UNITS ARE IN SQ FT	
EARTH EXCAVATION	41.4
EMBANKMENT	4.7
REM & DISP UNS MATL	36.7
705	

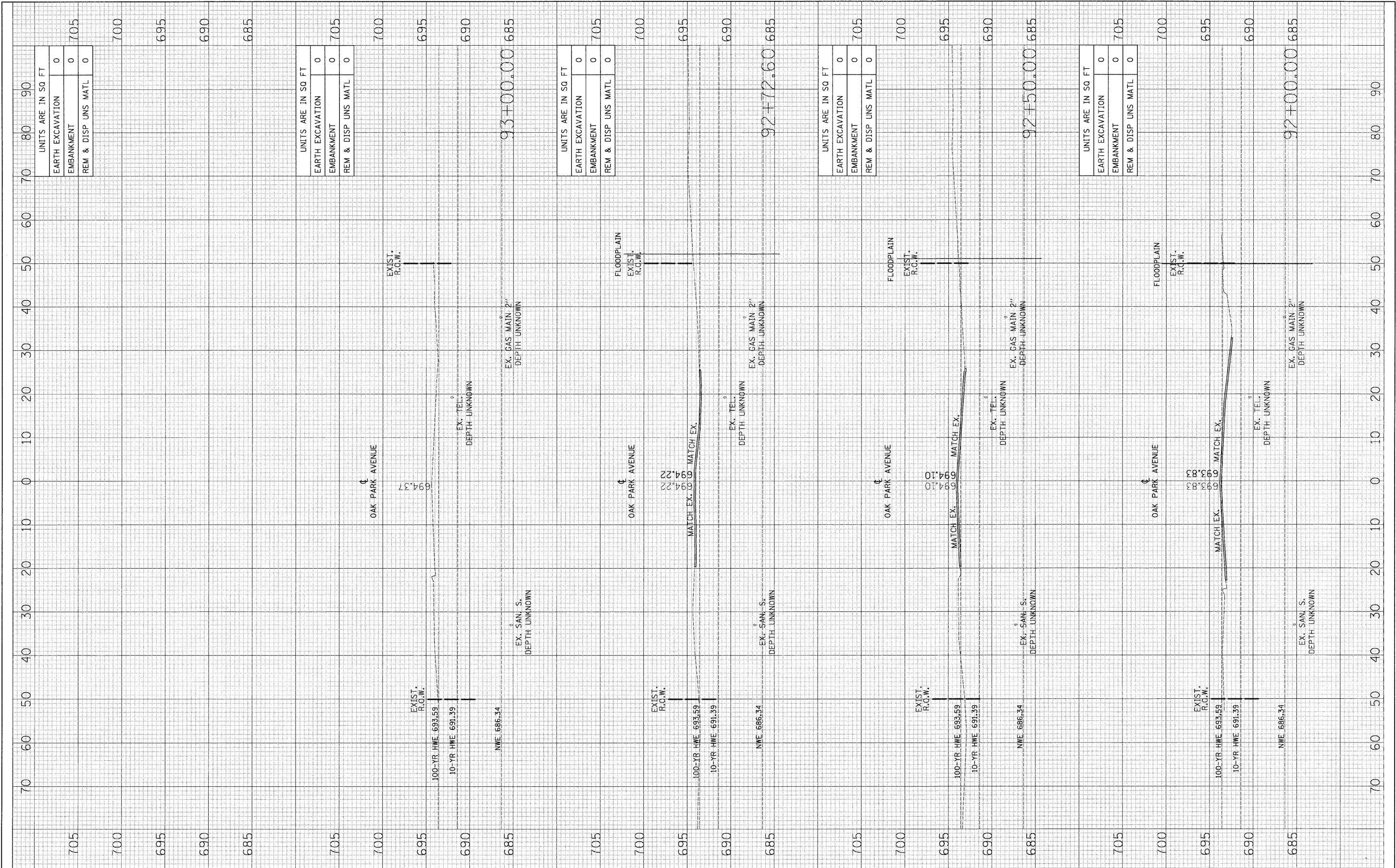
UNITS ARE IN SQ FT	
EARTH EXCAVATION	31.7
EMBANKMENT	5.7
REM & DISP UNS MATL	26.0
705	

UNITS ARE IN SQ FT	
EARTH EXCAVATION	23.3
EMBANKMENT	11.2
REM & DISP UNS MATL	12.1
705	

UNITS ARE IN SQ FT	
EARTH EXCAVATION	87.6
EMBANKMENT	13.3
REM & DISP UNS MATL	74.3
705	

FINAL SURVEY NOTE BOOK NO.	SURVEYED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED TEMPLATE AREAS CHECKED	BY	DATE



FILE NAME = ...\\D160C07-ah-t-xasht.dgn	USER NAME = Plotted by Administrator	DESIGNED - OWR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS OAK PARK AVENUE OVER UNION DRAINAGE DITCH			F.A.U. RTE. 2774	SECTION 0306T	COUNTY COOK	TOTAL SHEETS 55	SHEET NO. 55
	PLOT SCALE = 10.00' / IN.	CHECKED - FML	REVISED -		SCL: H1"=10', V1"=5'			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60C07		
	PLOT DATE = 1/11/2009	DATE - 10/2008	REVISED -		SHEET NO. OF SHEETS STA. TO STA.							