

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	11-00012-00-PV	LAKE	47	1
		ILLINOIS	CONTRACT NO. 63683	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

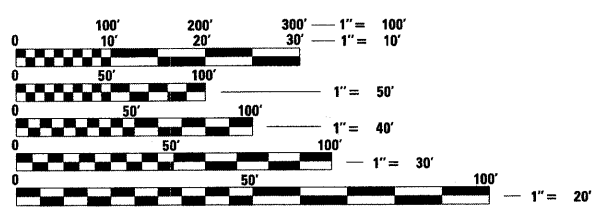
F.A.U. ROUTE 1210 (BEACH ROAD)
FROM SHERIDAN ROAD (IL ROUTE 137) TO
EAST OF LEWIS AVE
ROADWAY RECONSTRUCTION
SECTION NO. 11-00012-00-PV
PROJECT NO. M-9003 (855)
LAKE COUNTY
JOB NO. C-91-020-12

INDEX OF SHEETS

1. COVER SHEET
2. LIST OF STANDARDS AND GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. SCHEDULE OF QUANTITIES - EARTH WORK
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6. TYPICAL SECTIONS
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- 11-14. DETOUR AND MAINTENANCE OF TRAFFIC PLAN
- 15-22. PLAN AND PROFILE
- 23-24. INTERSECTION DRAWINGS
- 25-28. STORMWATER POLLUTION PREVENTION PLAN
- 29-32. PAVEMENT MARKING PLAN
- 33-34. CONSTRUCTION DETAILS
- 35-47. ROADWAY CROSS-SECTIONS

TRAFFIC DATA

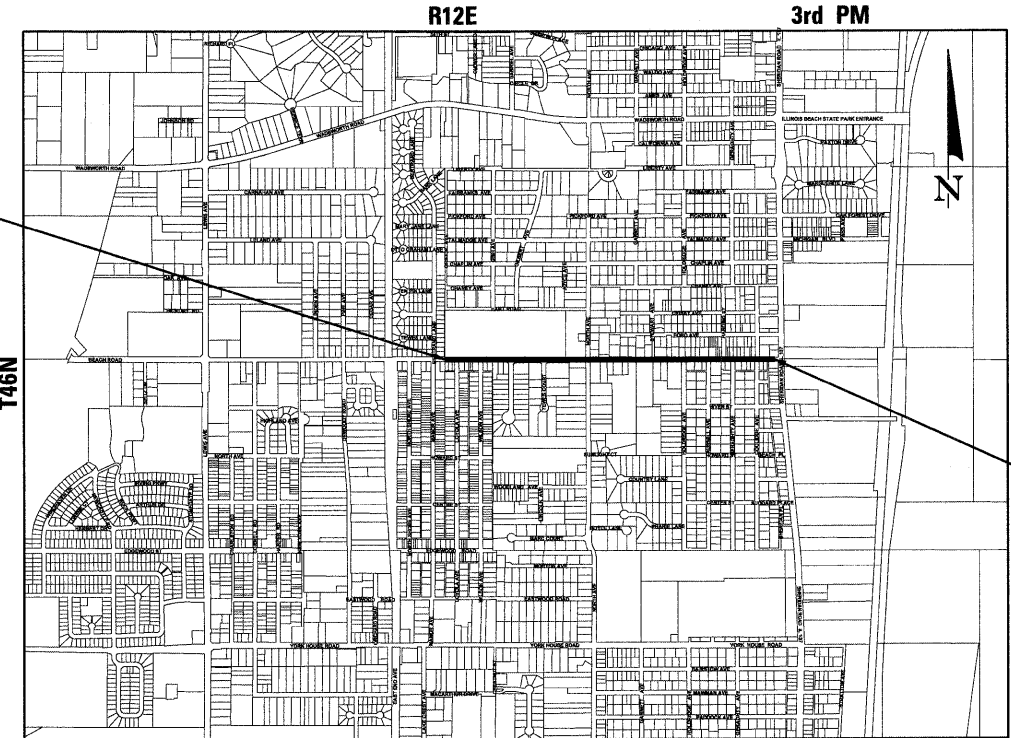
FUNCTIONAL CLASSIFICATION: URBAN ARTERIAL
ADT: 3,900
POSTED SPEED LIMIT: 30 MPH
DESIGN SPEED LIMIT: 30 MPH



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
OR 811

BEGIN IMPROVEMENTS
STA. 0+00



END IMPROVEMENTS
STA. 45+68.39

LOCATION MAP
N.T.S.

BENTON TOWNSHIP
LENGTH OF IMPROVEMENTS
GROSS & NET LENGTH = 4,568.39 FEET = 0.865 MILE



Charles M. Parrott
DATE: 2/22/12

CHARLES M. PARROTT, P.E.
LICENSED PROFESSIONAL ENGINEER IN ILLINOIS
LICENSE NO. 062-055398
EXPIRES NOVEMBER 30, 2013



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED 2-22 20 12
John Hahn Mayor Pro-Tem
VILLAGE OF BEACH PARK

PASSED FEBRUARY 23 2012
Charles M. Parrott
DISTRICT ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW FEBRUARY 23, 2012
Diane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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

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

DATE	BY	REVIEWED	PLANNED
		ALIGNED	NOTED
		CHECKED	CHECKED
		FILED	FILED
		NO.	NO.

DATE	BY	REVIEWED	PLANNED
		ALIGNED	NOTED
		CHECKED	CHECKED
		FILED	FILED
		NO.	NO.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				70% FED 30% VILLAGE ROADWAY 0004 URBAN
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	48	48
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	400	400
20200100	EARTH EXCAVATION	CU YD	7271	7271
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1090	1090
20800150	TRENCH BACKFILL	CU YD	9050	9050
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	15700	15700
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	879	879
25000210	SEEDING, CLASS 2A	ACRE	5	5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	760	760
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	460	460
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	460	460
25100630	EROSION CONTROL BLANKET	SQ YD	11650	11650
28000305	TEMPORARY DITCH CHECKS	FOOT	105	105
28000400	PERIMETER EROSION BARRIER	FOOT	1850	1850
28000510	INLET FILTERS	EACH	90	90
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	85	85
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	4060	4060
31101500	SUBBASE GRANULAR MATERIAL, TYPE B 7"	SQ YD	2700	2700
31101700	SUBBASE GRANULAR MATERIAL, TYPE B 9"	SQ YD	868	868
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	275	275
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1570	1570
40600300	AGGREGATE (PRIME COAT)	TON	35	35
40600895	CONSTRUCTING TEST STRIP	EACH	2	2
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	800	800
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	2700	2700
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	2225	2225
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	50	50
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	768	768
42400800	DETECTABLE WARNINGS	SQ FT	156	156
44000100	PAVEMENT REMOVAL	SQ YD	13830	13830
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	400	400
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1430	1430

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				70% FED 30% VILLAGE ROADWAY 0004 URBAN
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	9200	9200
50102400	CONCRETE REMOVAL	CU YD	50	50
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	1809	1809
550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	525	525
550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	1186	1186
550A2550	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 21"	FOOT	237	237
550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	628	628
550A2580	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 30"	FOOT	920	920
55100500	STORM SEWER REMOVAL 12"	FOOT	913	913
55100700	STORM SEWER REMOVAL 15"	FOOT	71	71
* 56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	3	3
60107600	PIPE UNDERDRAINS 4"	FOOT	9300	9300
60200305	CATCH BASINS, TYPE A, 4-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	20	20
60200805	CATCH BASINS, TYPE A, 4-DIAMETER, TYPE 8 GRATE	EACH	3	3
60207105	CATCH BASINS, TYPE C, TYPE 3 FRAME AND GRATE	EACH	18	18
60218400	MANHOLES, TYPE A, 4-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	15	15
60218500	MANHOLES, TYPE A, 4-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	3	3
60221100	MANHOLES, TYPE A, 5-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	10	10
60221700	MANHOLES, TYPE A, 5-DIAMETER, TYPE 8 GRATE	EACH	1	1
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	4	4
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	7	7
60255500	MANHOLES TO BE ADJUSTED	EACH	9	9
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	9	9
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	7	7
60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	7	7
60500040	REMOVING MANHOLES	EACH	21	21
60500060	REMOVING INLETS	EACH	11	11
60500105	FILLING MANHOLES	EACH	8	8
60500305	FILLING INLETS	EACH	1	1
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	9300	9300
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	536	536

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				70% FED 30% VILLAGE ROADWAY 0004 URBAN
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2
63200310	GUARDRAIL REMOVAL	FOOT	300	300
* X1230726	STEEL PLATE BEAM GUARDRAIL ADJUSTMENT	FOOT	536	536
67100100	MOBILIZATION	L SUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701.501	L SUM	1	1
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1650	1650
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	570	570
XX008447	AGGREGATE SUBGRADE 12"	SQ YD	13000	13000
Z0004510	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	SQ YD	1200	1200
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	3500	3500
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0064560	SEGMENTAL BLOCK RETAINING WALL	SQ FT	300	300
Δ Z0076600	TRAINEES	HOUR	1500	1500
X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	2	2
X0326344	GROUT SLURRY, SPECIAL	CU YD	165	165
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
XX000856	MAILBOX REMOVAL AND RELOCATION	EACH	20	20
* XX001249	ORNAMENTAL FENCE	FOOT	150	150

* = SPECIALTY ITEM
Δ = 0042

EARTHWORK SCHEDULE

1	2	3	4	5	6	7	8	9	10	11
LOCATION	EARTH EXCAVATION (CY)	UNSUITABLE OR UNSTABLE MATERIAL (CY)	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (CY)	EMBANKMENT (CY)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CY)	TOPSOIL EXCAVATION (CY)	TOPSOIL EXCAVATION ADJUST FOR SHRINKAGE (CY)	TOPSOIL PLACEMENT (CY)	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) (CY)	TOPSOIL EXCAVATION AND PLACEMENT (CY)
BEACH ROAD										
STA. 0+00 - 3+00	595	89	380	60	320	107	80	72	8	72
STA. 3+00 - 6+50	466	70	297	96	201	134	101	91	10	91
STA. 6+50 - 10+00	500	75	319	96	223	146	110	105	6	105
STA. 10+00 - 13+71.04	631	95	402	68	334	128	96	84	13	84
STA. 13+71.04 - 17+00	593	89	378	31	347	84	63	37	27	37
STA. 17+00 - 20+50	668	100	426	59	367	66	49	20	29	20
STA. 20+50 - 24+00	503	75	321	138	183	115	86	68	19	68
STA. 24+00 - 27+50	709	106	452	110	342	117	88	70	18	70
STA. 27+50 - 31+00	440	66	281	227	54	107	80	64	17	64
STA. 31+00 - 34+50	567	85	361	75	286	110	83	69	14	69
STA. 34+50 - 38+00	543	81	346	148	198	105	79	64	15	64
STA. 38+00 - 41+50	590	88	376	317	59	104	78	67	12	67
STA. 41+50 - 45+68.39	466	70	297	265	32	116	87	68	20	68
	7271	1090	4636	1690	2946	1439	1080	879	208	879

SHRINKAGE FACTORS: EARTH EXCAVATION: 25%
TOPSOIL EXCAVATION: 25%

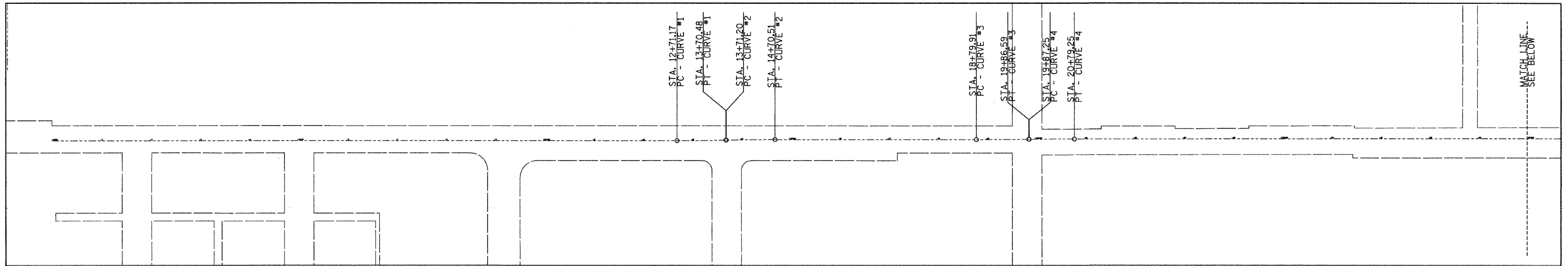
- COLUMN 1 - LOCATION FROM PLANS.
- COLUMN 2 - CUT QUANTITIES FROM CROSS SECTIONS, THIS DOES NOT INCLUDE TOPSOIL EXCAVATION.
- COLUMN 3 - CUT MATERIAL THAT IS DETERMINED TO BE EITHER UNSTABLE OR UNSUITABLE FOR USE IN EMBANKMENT. FACTOR WAS ASSUMED TO BE 15%.
- COLUMN 4 - EARTH EXCAVATION QUANTITIES THAT ARE TO BE USED AS FILL MATERIAL IN EMBANKMENT. INCLUDE DEDUCTION FOR UNSUITABLE MATERIAL. EARTH EXCAVATION SHRINKAGE FACTOR WAS ASSUMED TO BE 25%.
- COLUMN 5 - QUANTITIES FROM CROSS SECTIONS.
- COLUMN 6 - OFF-SITE MATERIAL NEEDED OR MATERIAL TO WASTE.
- COLUMN 7 - QUANTITIES FROM CROSS SECTIONS, THESE QUANTITIES ARE NOT INCLUDED IN EARTH EXCAVATION OR EMBANKMENT.
- COLUMN 8 - TOPSOIL EXCAVATION QUANTITIES THAT ARE NOT TO BE USED AS TOPSOIL FILL MATERIAL. TOPSOIL EXCAVATION SHRINKAGE WAS ASSUMED TO BE 25%.
- COLUMN 9 - QUANTITIES FROM CROSS SECTIONS, THESE QUANTITIES ARE NOT INCLUDED IN BORROW OR FURNISHED EXCAVATION.
- COLUMN 10 - OFF-SITE MATERIAL NEEDED OR MATERIAL TO WASTE.
- COLUMN 11 - COLUMN 9

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	DATE	
	NOTE BOOK NO.	
	PAID FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	DATE	
	NOTE BOOK NO.	
	STRUCTURE NOTATIONS CHECKED	

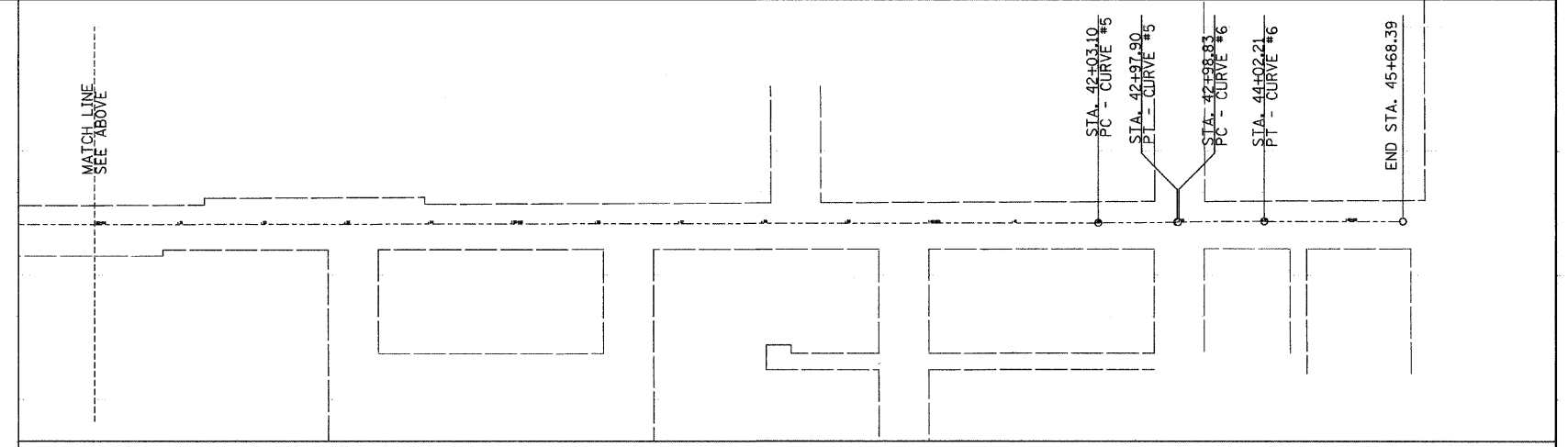
PLAN	SURVEYED	DATE
NO.	BY	
NOTE BOOK	PLOTTED	
NO.	BY	
	CHECKED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
NO.	BY	
NOTE BOOK	PLOTTED	
NO.	BY	
	CHECKED	
	BY	
	DATE	



LEGEND

EX	PR	
Structure To Be Adjusted	ADJ	Aggregate Shoulder
Structure To Be Removed	R	Sidewalks, Driveways
Centerline		Guardrail
Dashed Property Line		Roadway Profile Line
Solid Property/Lot Line		Removal Tic
Storm Sewer		Bituminous Removal
Headwall		Tree Removal Single
Inlet		Water Meter
Manhole		Water Meter Valve Box
Catch Basin		Aerial Power Line
Culvert End Section		Deciduous Tree
Erosion Control Fence		Bush or Shrub
Temporary Fence		Evergreen Tree
Inlet & Pipe Protection		Orchard/Nursery Line
Erosion Control Blanket		Vegetation Line
Stop Line		Woods & Bush Line
Solid Line		
Double Centerline		
Cable TV		
Electric Cable		
Fiber Optic		
Gas Pipe		
Oil Pipe		
Sanitary Sewer		
Telephone Cable		
Water Pipe		
Edge of Pavement		
Bit Shoulders, Medians and C&G Line		

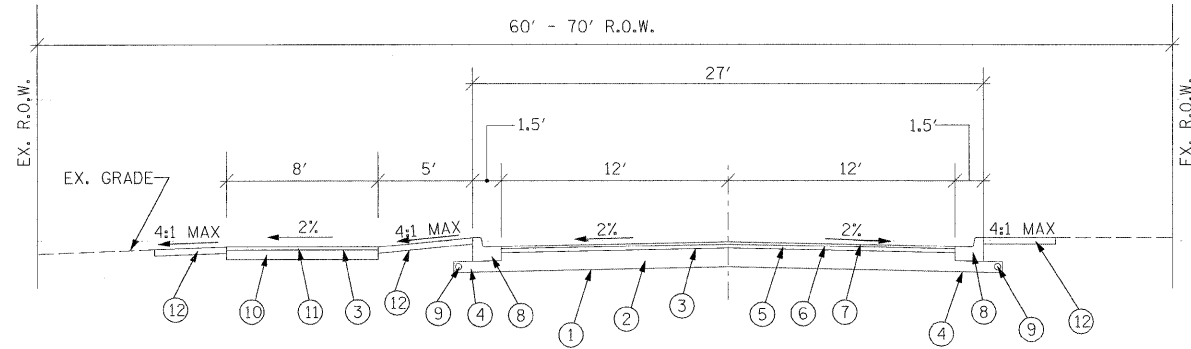


LIST OF BENCHMARKS

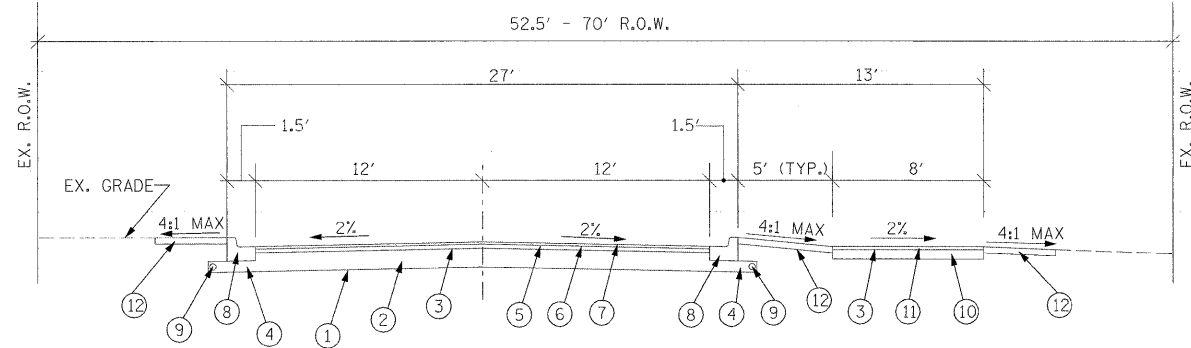
	NORTHING	EASTING	ELEV	DESCRIPTION
BM-1	2,096,393.9418	1,121,169.1970	734.75	PK NAIL SET ON THE SOUTH SIDE OF BEACH ROAD, 32.1 FEET SOUTH OF THE CENTERLINE AND APPROX. 147' WEST OF THE CENTERLINE OF SHERIDAN ROAD (ROUTE 137)
BM-2	2,096,420.2844	1,121,018.8565	732.43	SET IRON ROD AT NE CORNER OF BEACH ROAD AND COOLIDGE AVENUE, 34.8' NORTH OF THE CENTERLINE OF BEACH ROAD AND 29.1' EAST OF THE CENTERLINE OF COOLIDGE AVENUE.
BM-3	2,096,358.0660	1,120,387.3839	743.19	SET IRON ROD 24.8' SOUTH OF THE CENTERLINE OF BEACH ROAD AND 59.1' EAST OF CENTERLINE OF RUSSELL AVENUE
BM-4	2,096,403.3077	2,224,590.2319	743.05	SET IRON ROD 24.0' NORTH OF THE CENTERLINE OF BEACH ROAD AND 87.4' WEST OF THE CENTERLINE OF STEWART AVENUE
BM-5	2,096,342.7103	1,118,637.8774	741.66	SET IRON ROD 33.9' SOUTH OF THE CENTERLINE OF BEACH ROAD AND 31.7' WEST OF THE CENTERLINE OF NORTH AVENUE
BM-6	2,096,414.4010	1,117,659.7872	741.18	SET IRON ROD 37.0' NORTH OF THE CENTERLINE OF BEACH ROAD AND 52.9' EAST OF THE CENTERLINE OF CREEK COURT
BM-7	2,096,356.4984	1,116,679.7430	750.03	SET IRON ROD 22.6 SOUTH OF THE CENTERLINE OF BEACH ROAD AND 182.0' WEST OF THE CENTERLINE OF LOYOLA AVENUE

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

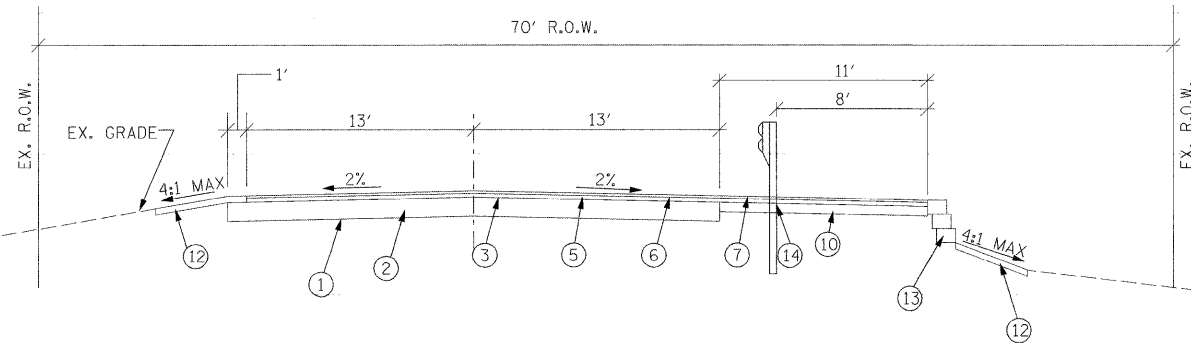
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PROFILE	
REVISIONS	
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DATE	
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PROFILE	
REVISIONS	
NO.	



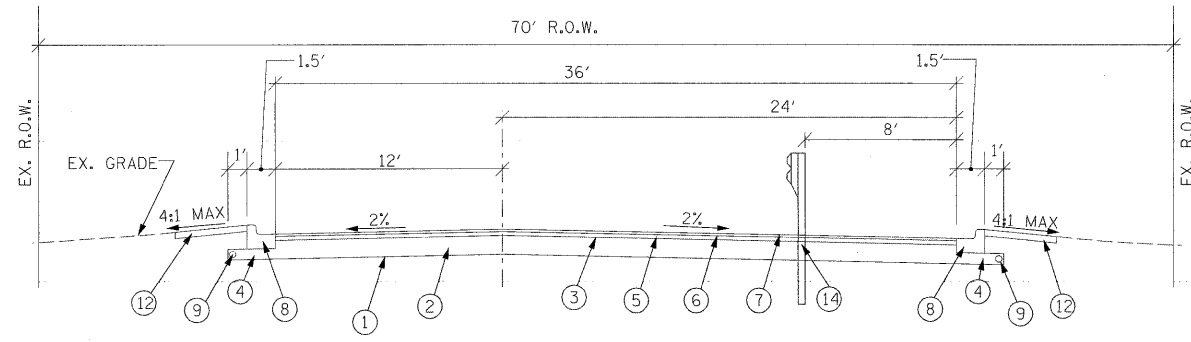
TYPICAL PROPOSED PAVEMENT SECTION
STA. 00+00 TO 8+64



TYPICAL PROPOSED PAVEMENT SECTION
STA. 8+72 TO 14+92
STA. 19+83 TO 45+68.39



TYPICAL PROPOSED PAVEMENT SECTION
STA. 14+92 TO 18+50



TYPICAL PROPOSED PAVEMENT SECTION
STA. 18+50 TO 19+83

HOT-MIX ASPHALT MIXTURE REQUIREMENTS:	
MIXTURE TYPE	AIR VOIDS @ N DESIGN
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N50; 2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 3"	4% @ 50 GYR
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE IL-9.5, MIX D, N50; 3"	4% @ 50 GYR
RECREATIONAL PATH	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX D, N50; 2"	4% @ 50 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

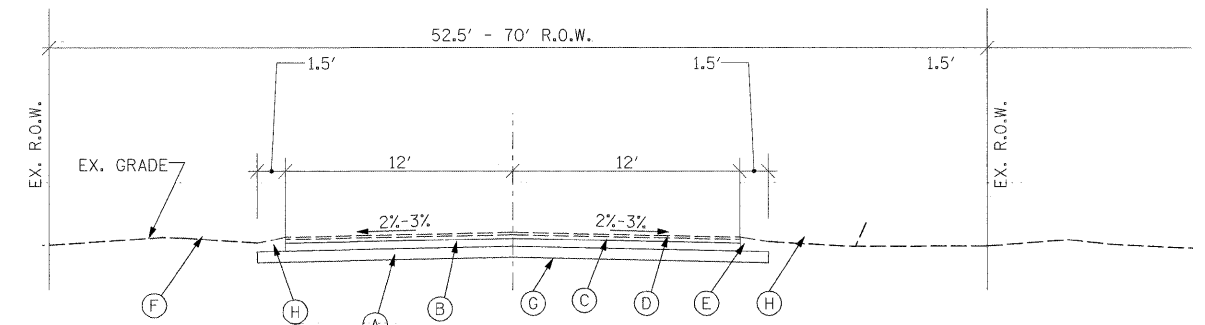
THE "AC" TYPE FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS FOR PERCENT OF RAP SEE DISTRICT ONE SPECIAL PROVISIONS.

EXISTING TYPICAL SECTION

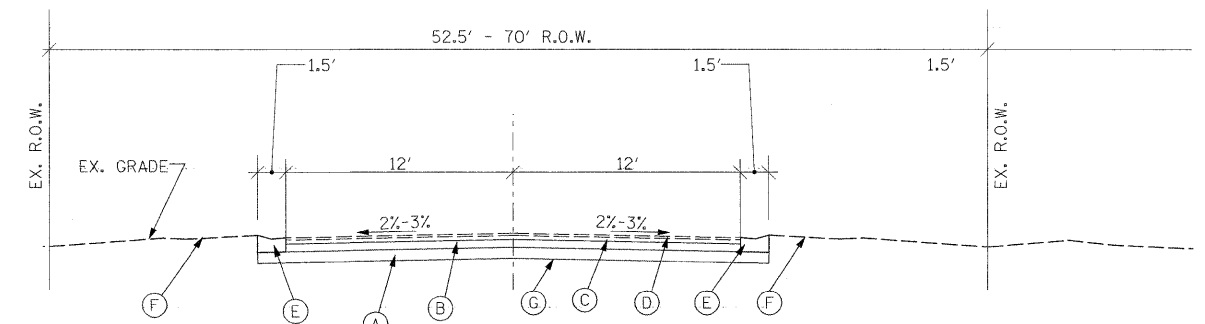
- (A) AGGREGATE BASE, THICKNESS VARIES FROM 0" TO 8" TO BE REMOVED.
 - (B) POZZOLANIC AGGREGATE MIXTURE (PAM), THICKNESS VARIES FROM 0" TO 12". TO BE REMOVED.
 - (C) BITUMINOUS CONCRETE BINDER, THICKNESS VARIES FROM 2" TO 10". TO BE REMOVED.
 - (D) BITUMINOUS CONCRETE SURFACE COURSE, THICKNESS VARIES FROM 2" TO 5". TO BE REMOVED.
 - (E) EXISTING CONCRETE CURB AND GUTTER, VARIABLE PROFILE. TO BE REMOVED.
 - (F) EXISTING GROUND, PORTIONS TO BE REMOVED.
 - (G) EXISTING SUBGRADE. PORTIONS TO BE REMOVED.
 - (H) EXISTING AGGREGATE SHOULDER. TO BE REMOVED.
- NOTE: EXISTING PAVEMENT SECTION THICKNESS (BITUMINOUS CONCRETE, PAM AND AGGREGATE) VARIES FROM 12" TO 17" IN TOTAL THICKNESS

PROPOSED TYPICAL SECTION

- (1) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (2) AGGREGATE SUBGRADE, 12"
- (3) BITUMINOUS PRIME COAT TO BE APPLIED UNIFORMLY AT A RATE OF 0.375 GAL/SY
- (4) SUB-BASE GRANULAR MATERIAL, TYPE B, 7"
- (5) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3"
- (6) BINDER TACK COAT TO BE APPLIED UNIFORMLY AT A RATE OF 0.075 GAL/SY
- (7) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2"
- (8) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (9) PIPE UNDERDRAIN, 4"
- (10) SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- (11) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- (12) TOP SOIL PLACEMENT, 4", SEEDING, AND EROSION CONTROL BLANKET MAXIMUM 5:1 SLOPE FOR RESTORATION WITH 3' MINIMUM WIDTH
- (13) SEGMENTAL CONCRETE BLOCK WALL WITH ORNAMENTAL FENCE
- (14) STEEL PLATE BEAM GUARDRAIL



TYPICAL EXISTING PAVEMENT SECTION
STA. 14+45 TO 19+85



TYPICAL EXISTING PAVEMENT SECTION
STA. 0+00 TO 14+45, 19+85 TO 45+64

DESIGNED - CMP	REVISED - 2/6/12
DRAWN - NAT	REVISED - 2/22/12
CHECKED - BWM	REVISED -
DATE - 12/7/11	REVISED -

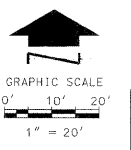
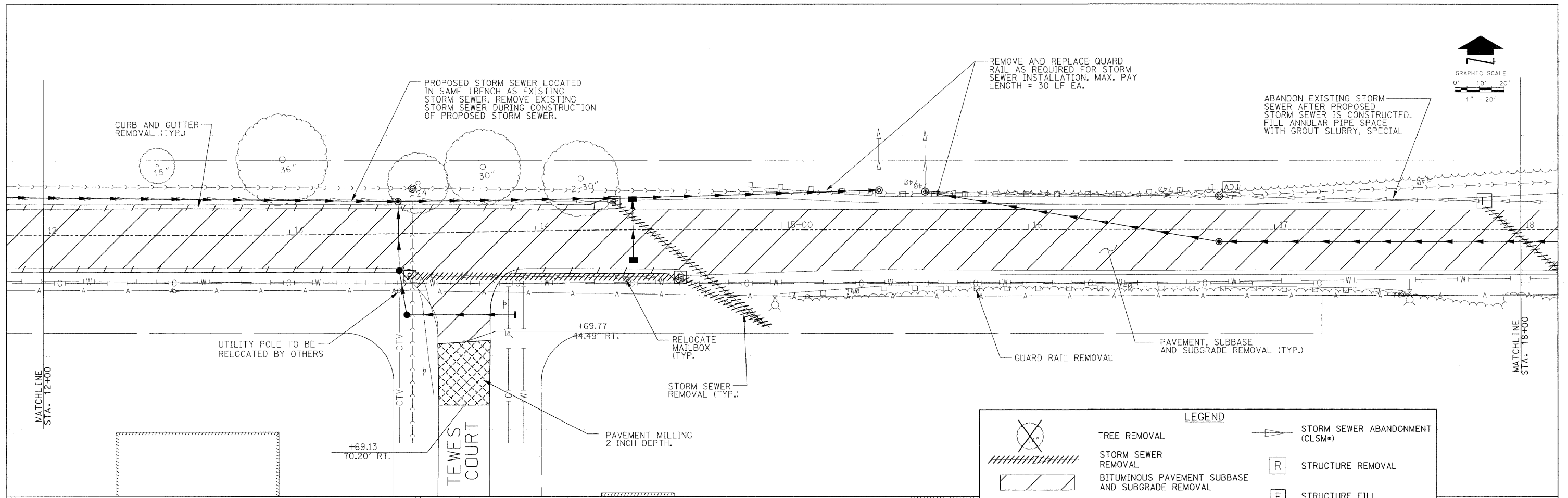
RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC.
CONSULTING ENGINEERS
976 CAMPUS DRIVE
MUNDELEIN, ILLINOIS 60060
847-362-8959

635 TOLLWAY RD. SUITE F
ELGIN, ILLINOIS 60123
847-742-5959

VILLAGE OF BEACH PARK
BEACH ROAD
BEACH PARK, ILLINOIS

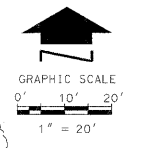
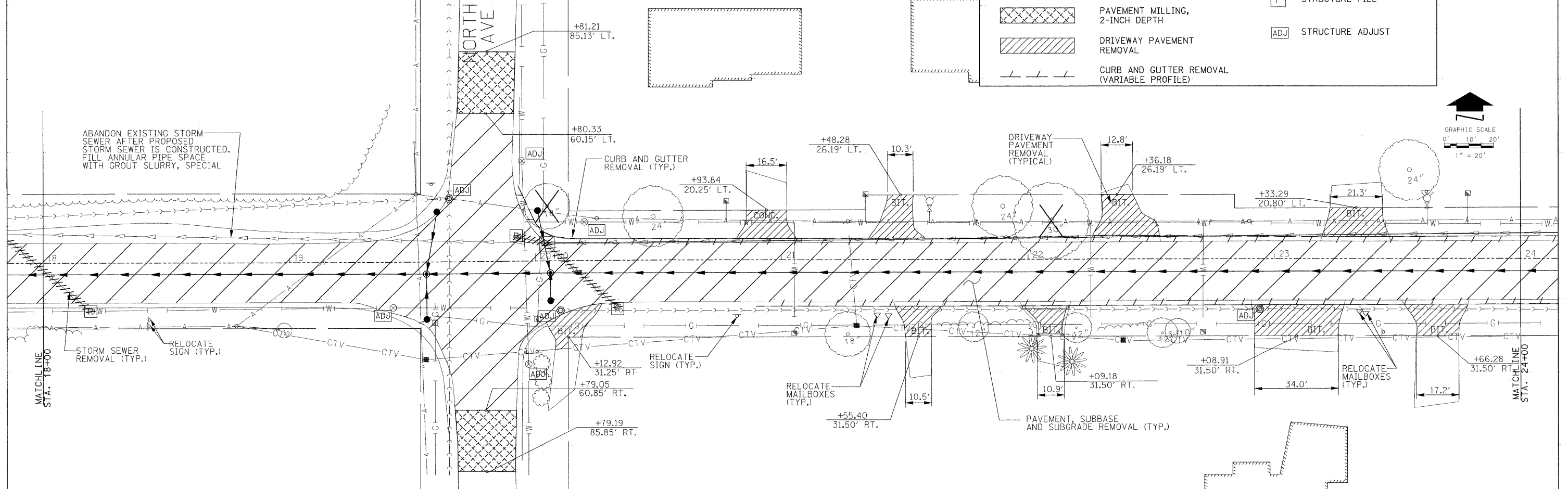
TYPICAL SECTIONS

F.A. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 6
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		



LEGEND

	TREE REMOVAL		STORM SEWER ABANDONMENT (CLSM*)
	STORM SEWER REMOVAL		STRUCTURE REMOVAL
	BITUMINOUS PAVEMENT SUBBASE AND SUBGRADE REMOVAL		STRUCTURE FILL
	PAVEMENT MILLING, 2-INCH DEPTH		STRUCTURE ADJUST
	DRIVEWAY PAVEMENT REMOVAL		
	CURB AND GUTTER REMOVAL (VARIABLE PROFILE)		



RHMG JOB NO 21108030

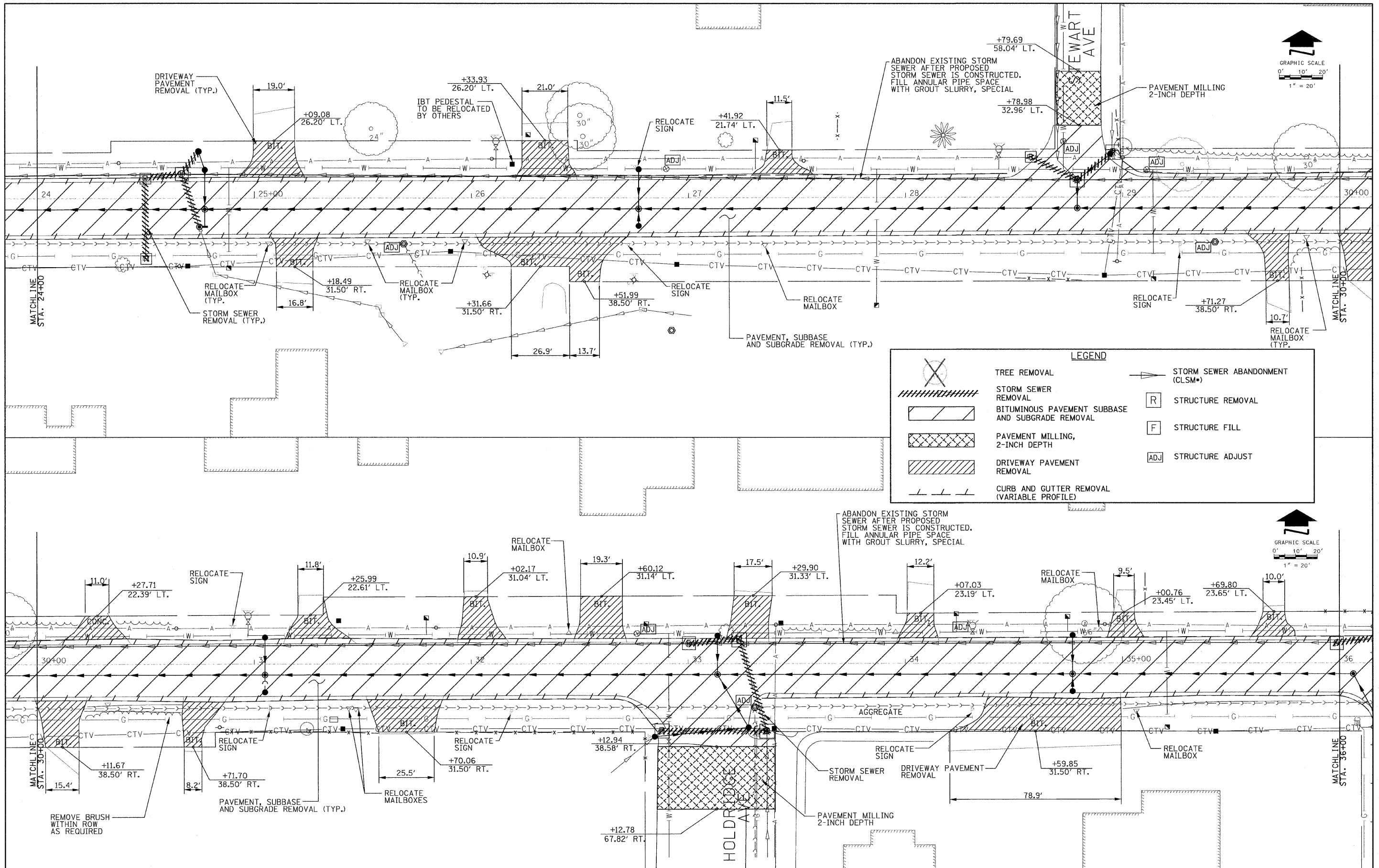
DESIGNED - CMP	REVISED - 2/6/12
DRAWN - NAT	REVISED - 2/22/12
CHECKED - BWM	REVISED -
DATE - 12/7/11	REVISED -

RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC.
 CONSULTING ENGINEERS
 975 CAMPUS DRIVE
 MUNDELEIN, ILLINOIS 60060
 847-382-5959
 535 TOLLWAY RD. SUITE F
 ELGIN, ILLINOIS 60123
 847-742-5959

**VILLAGE OF BEACH PARK
 BEACH ROAD
 BEACH PARK, ILLINOIS**

DEMOLITION PLAN
 SCALE: 1" = 20' SHEET NO. 8 OF 47 SHEETS STA. 12+00 TO STA. 24+00

F.A. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 8
CONTRACT NO. 63683				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND

	TREE REMOVAL		STORM SEWER ABANDONMENT (CLSM*)
	STORM SEWER REMOVAL		STRUCTURE REMOVAL
	BITUMINOUS PAVEMENT SUBBASE AND SUBGRADE REMOVAL		STRUCTURE FILL
	PAVEMENT MILLING, 2-INCH DEPTH		STRUCTURE ADJUST
	DRIVEWAY PAVEMENT REMOVAL		
	CURB AND GUTTER REMOVAL (VARIABLE PROFILE)		

RHMG JOB NO 21108030

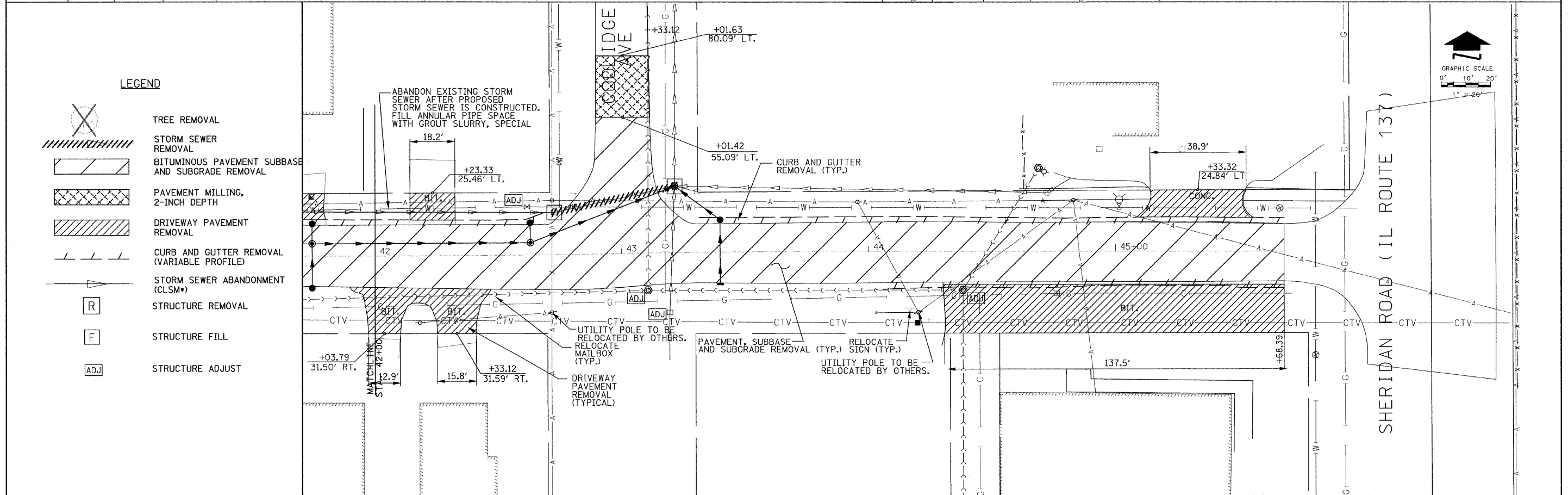
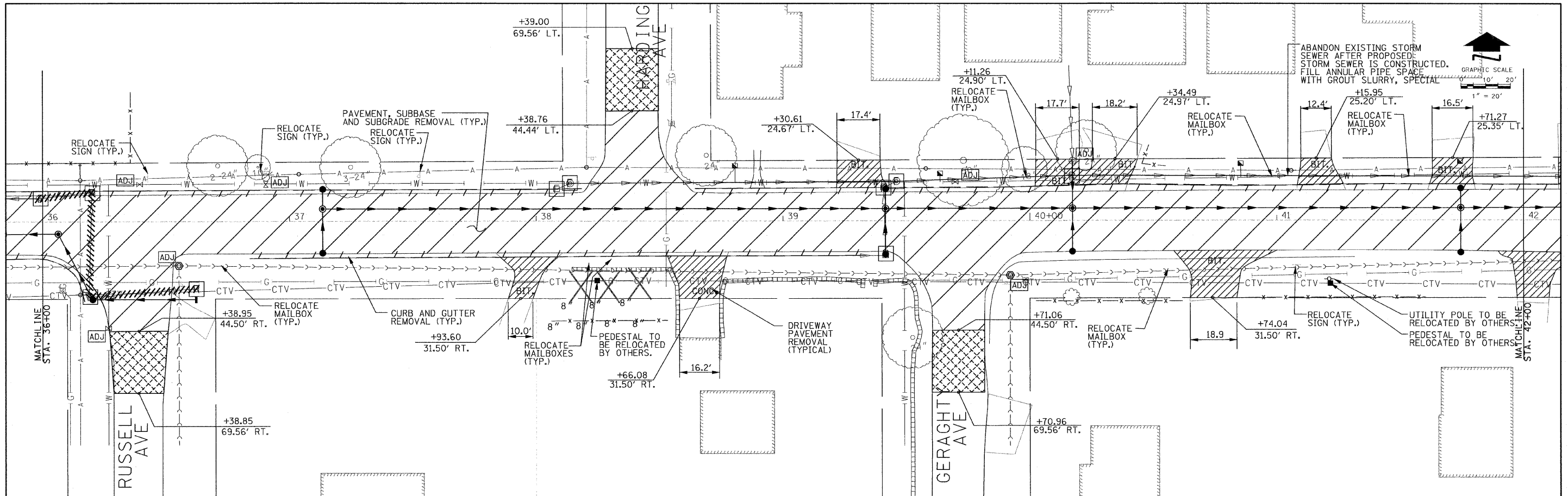
DESIGNED - CMP	REVISED - 2/6/12
DRAWN - NAT	REVISED - 2/22/12
CHECKED - BWM	REVISED -
DATE - 12/7/11	REVISED -

RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC.
CONSULTING ENGINEERS
 975 CAMPUS DRIVE
 MUNDELEIN, ILLINOIS 60060 847-362-9595
 536 TOLLWAY RD. SUITE F
 ELGIN, ILLINOIS 60123 847-742-6999











**VILLAGE OF BEACH PARK
 BEACH ROAD
 BEACH PARK, ILLINOIS**

DEMOLITION PLAN
 SCALE: 1" = 20' SHEET NO. 9 OF 47 SHEETS STA. 24+00 TO 36+00

F.A. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 9
CONTRACT NO. 63683				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND

-  TREE REMOVAL
-  STORM SEWER REMOVAL
-  BITUMINOUS PAVEMENT SUBBASE AND SUBGRADE REMOVAL
-  PAVEMENT MILLING, 2-INCH DEPTH
-  DRIVEWAY PAVEMENT REMOVAL
-  CURB AND GUTTER REMOVAL (VARIABLE PROFILE)
-  STORM SEWER ABANDONMENT (CLSM*)
-  STRUCTURE REMOVAL
-  STRUCTURE FILL
-  STRUCTURE ADJUST

RHMG JOB NO 21108030

DESIGNED -	CMP	REVISED -	2/6/12
DRAWN -	NAT	REVISED -	2/22/12
CHECKED -	BWM	REVISED -	
DATE -	12/7/11	REVISED -	

RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC.
 CONSULTING ENGINEERS
 www.rhmg.com
 975 CAMPUS DRIVE
 MUNDELEIN, ILLINOIS 60069
 847-382-8999

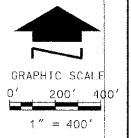
536 TOLLWAY RD. SUITE F
 ELGIN, ILLINOIS 90123
 847-742-8859

**VILLAGE OF BEACH PARK
 BEACH ROAD
 BEACH PARK, ILLINOIS**

DEMOLITION PLAN
 SCALE: 1" = 20' SHEET NO. 10 OF 47 SHEETS STA. 36+00 TO 45+00

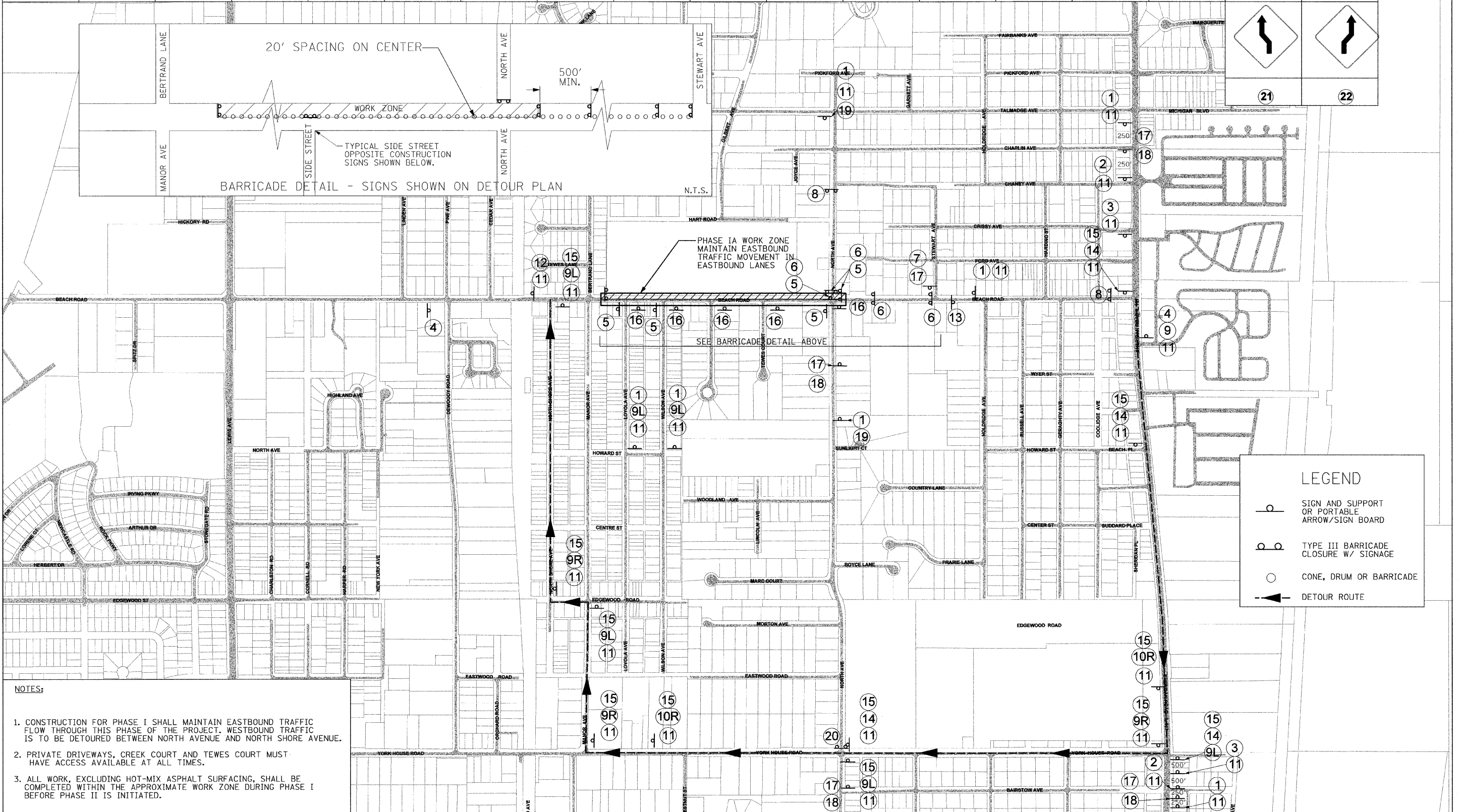
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	11-00012-00-PV	LAKE	47	10
CONTRACT NO. 63683				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

1	2	3	4	5	6	7	8	9R	10R	11	12	14	15	16	17	18	19	20



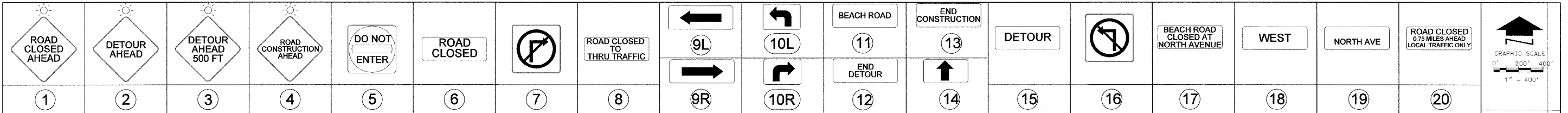
PLAN
 SURVEYED BY: _____ DATE: _____
 PLOTTED AND CHECKED BY: _____
 NOTE BOOK NO. _____
 ROAD FILE NAME: _____

PROFILE
 SURVEYED BY: _____ DATE: _____
 PLOTTED AND CHECKED BY: _____
 NOTE BOOK NO. _____
 STRUCTURE NOTATION: _____



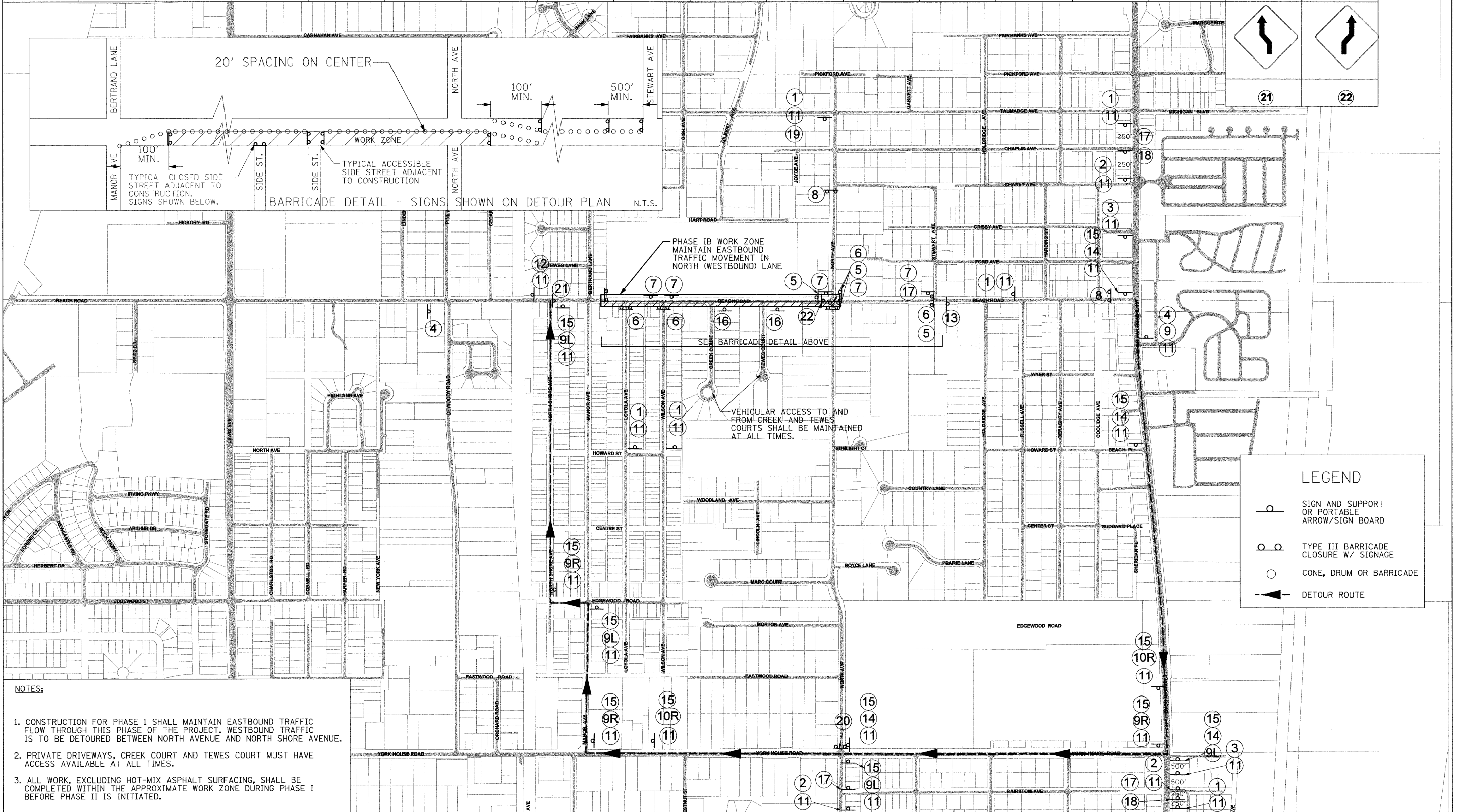
NOTES:

- CONSTRUCTION FOR PHASE I SHALL MAINTAIN EASTBOUND TRAFFIC FLOW THROUGH THIS PHASE OF THE PROJECT. WESTBOUND TRAFFIC IS TO BE DETOURED BETWEEN NORTH AVENUE AND NORTH SHORE AVENUE.
- PRIVATE DRIVEWAYS, CREEK COURT AND TEWES COURT MUST HAVE ACCESS AVAILABLE AT ALL TIMES.
- ALL WORK, EXCLUDING HOT-MIX ASPHALT SURFACING, SHALL BE COMPLETED WITHIN THE APPROXIMATE WORK ZONE DURING PHASE I BEFORE PHASE II IS INITIATED.



PLAN	SURVEYED	DATE
NO. _____	PICTURED	BY _____
NO. _____	CHECKED	DATE _____
NO. _____	BY _____	DATE _____
NO. _____	BY _____	DATE _____
NO. _____	BY _____	DATE _____

PROFILE	SURVEYED	DATE
NO. _____	PICTURED	BY _____
NO. _____	CHECKED	DATE _____
NO. _____	BY _____	DATE _____
NO. _____	BY _____	DATE _____
NO. _____	BY _____	DATE _____



- NOTES:**
1. CONSTRUCTION FOR PHASE I SHALL MAINTAIN EASTBOUND TRAFFIC FLOW THROUGH THIS PHASE OF THE PROJECT. WESTBOUND TRAFFIC IS TO BE DETOURED BETWEEN NORTH AVENUE AND NORTH SHORE AVENUE.
 2. PRIVATE DRIVEWAYS, CREEK COURT AND TEWES COURT MUST HAVE ACCESS AVAILABLE AT ALL TIMES.
 3. ALL WORK, EXCLUDING HOT-MIX ASPHALT SURFACING, SHALL BE COMPLETED WITHIN THE APPROXIMATE WORK ZONE DURING PHASE I BEFORE PHASE II IS INITIATED.

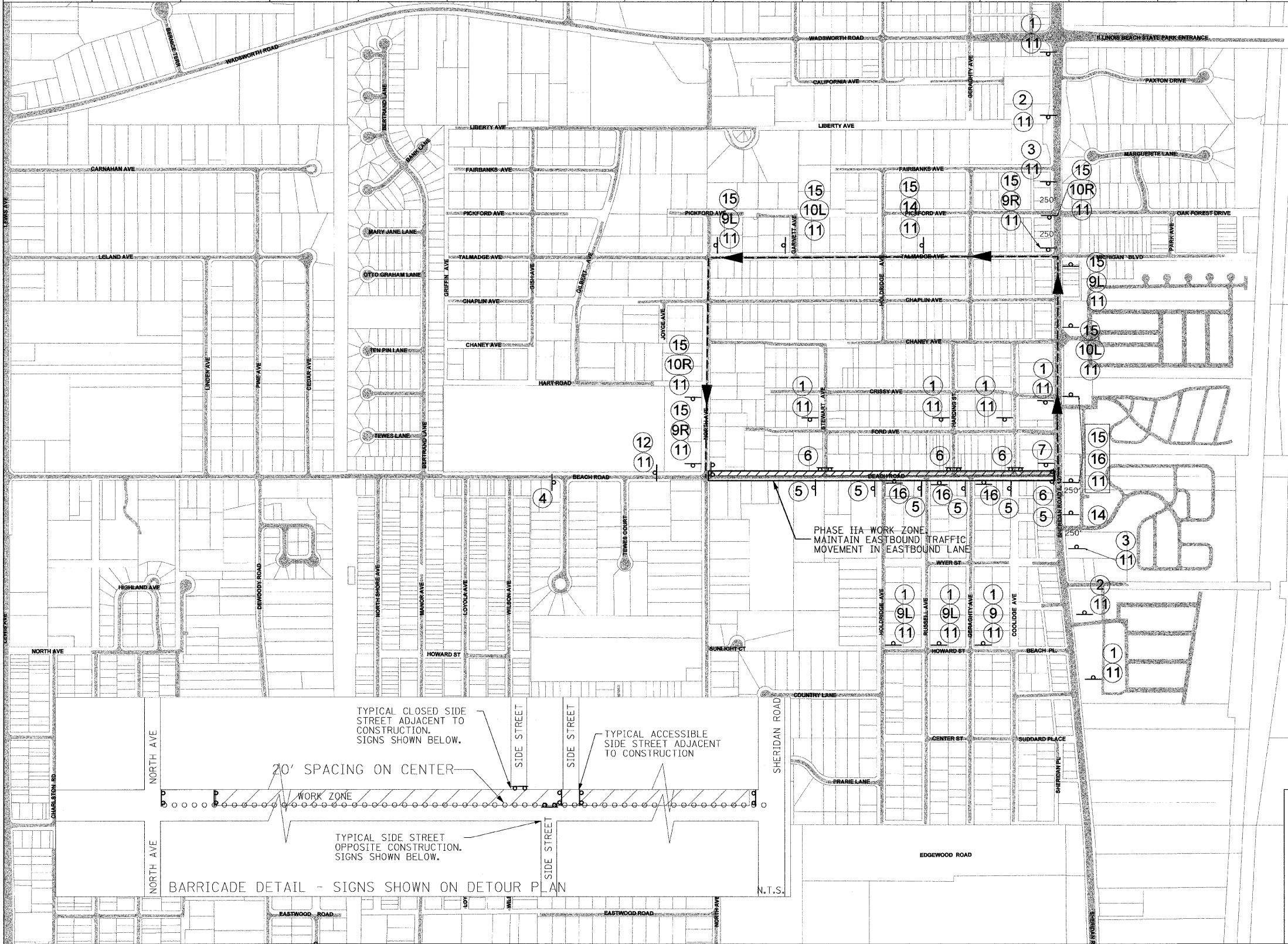
LEGEND

- SIGN AND SUPPORT OR PORTABLE ARROW/SIGN BOARD
- ○ TYPE III BARRICADE CLOSURE W/ SIGNAGE
- CONE, DRUM OR BARRICADE
- DETOUR ROUTE

1	2	3	4	5	6	7	9L	10L	11	13	15	16	17	18	19	20
							9R	10R	12	14						

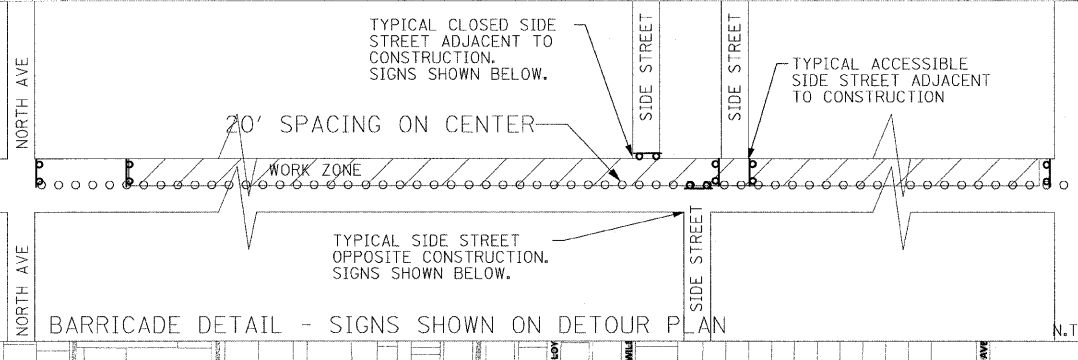
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 PLOTTED AND CHECKED BY: _____
 NOTE BOOK NO. _____
 STRUCTURE NOTATION CHKD BY: _____
 DATE: _____

PROFILE SURVEYED BY: _____ DATE: _____
 PLOTTED AND CHECKED BY: _____
 NOTE BOOK NO. _____
 STRUCTURE NOTATION CHKD BY: _____
 DATE: _____



LEGEND

- SIGN AND SUPPORT OR PORTABLE ARROW/SIGN BOARD
- TYPE III BARRICADE CLOSURE W/ SIGNAGE
- CONE, DRUM OR BARRICADE
- DETOUR ROUTE

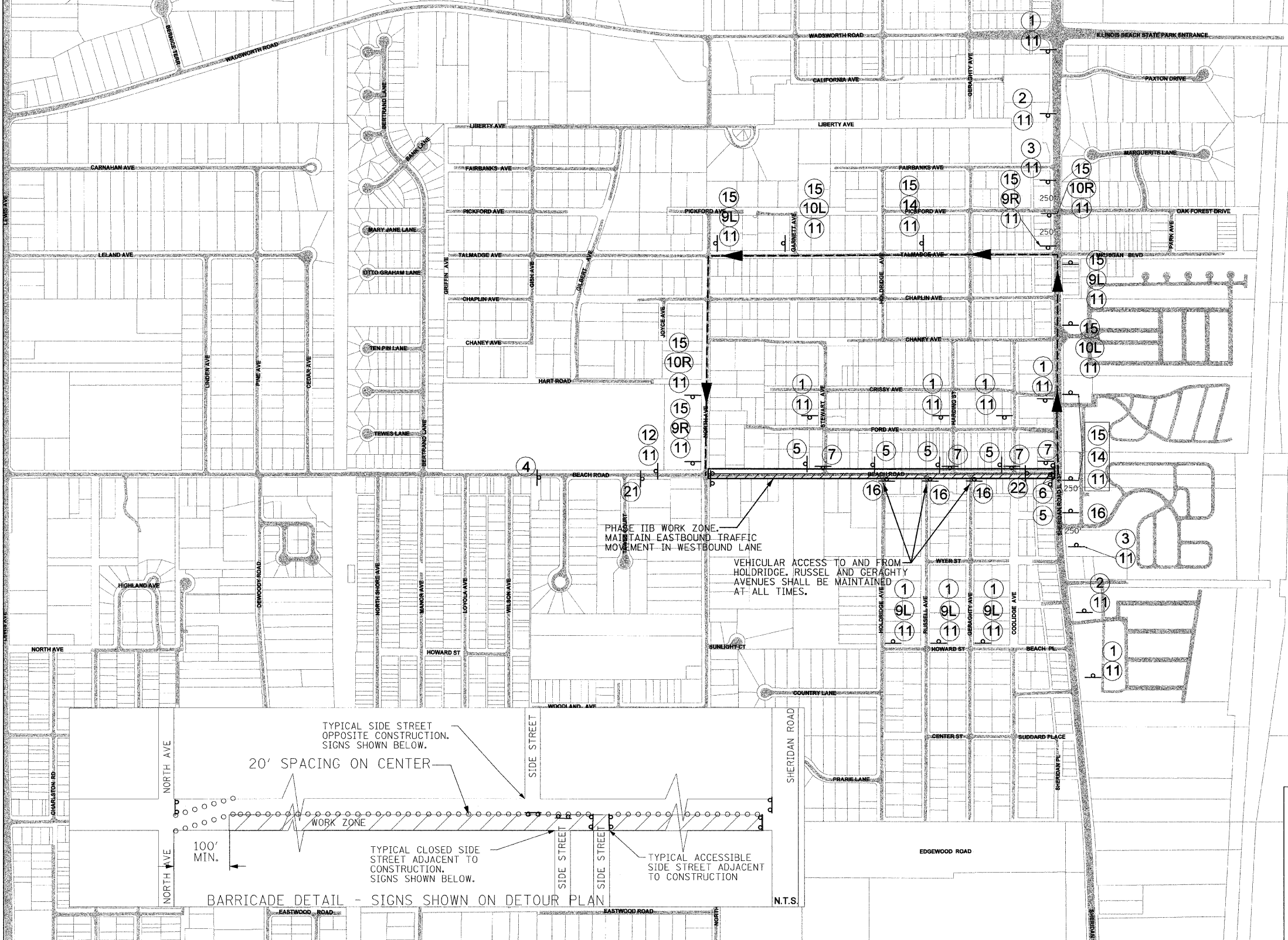


- NOTES:**
- CONSTRUCTION FOR PHASE I SHALL MAINTAIN EASTBOUND TRAFFIC FLOW THROUGH THIS PHASE OF THE PROJECT. WESTBOUND TRAFFIC IS TO BE DETOURED BETWEEN SHERIDAN ROAD AND NORTH AVENUE.
 - PRIVATE DRIVEWAYS MUST HAVE ACCESS AVAILABLE AT ALL TIMES.
 - ALL WORK, EXCLUDING HOT-MIX ASPHALT SURFACING, SHALL BE COMPLETED WITHIN THE APPROXIMATE WORK ZONE DURING PHASE II BEFORE PHASE I IS INITIATED.

1	2	3	4	5	6	7	8	9L	10R	11	13	15	16	17	18	19	20
								9R	10R	12	14						

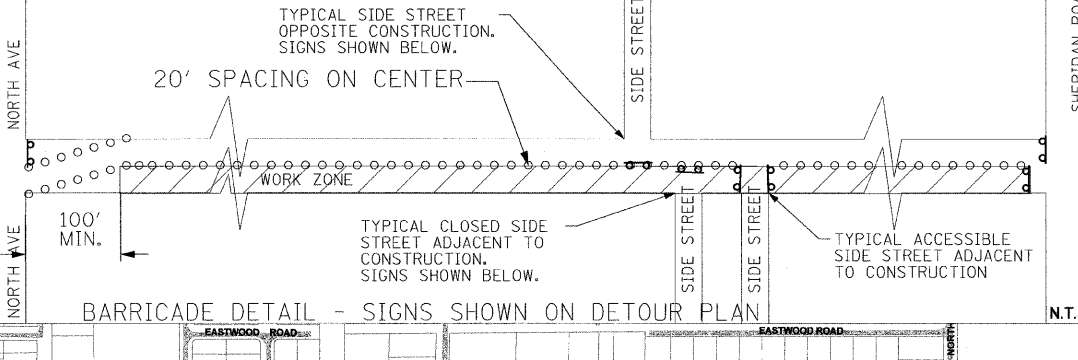
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 BY: _____
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 BY: _____
 PLAN: _____
 NOTE BOOK NO. _____
 DADD FILE NAME: _____

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 CHECKED: _____
 PL. OF WAY CHECKED: _____
 NO. _____
 DATE: _____
 BY: _____
 PROFILE: _____
 NOTE BOOK NO. _____
 STRUCTURE NOTATIONS CHG: _____



LEGEND

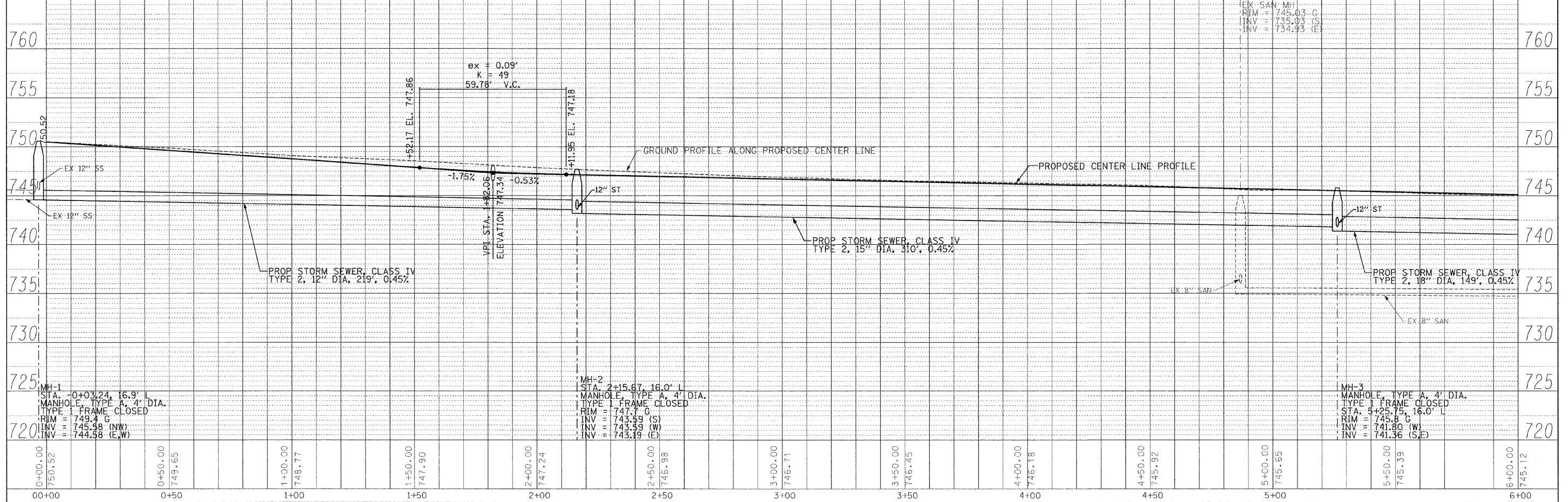
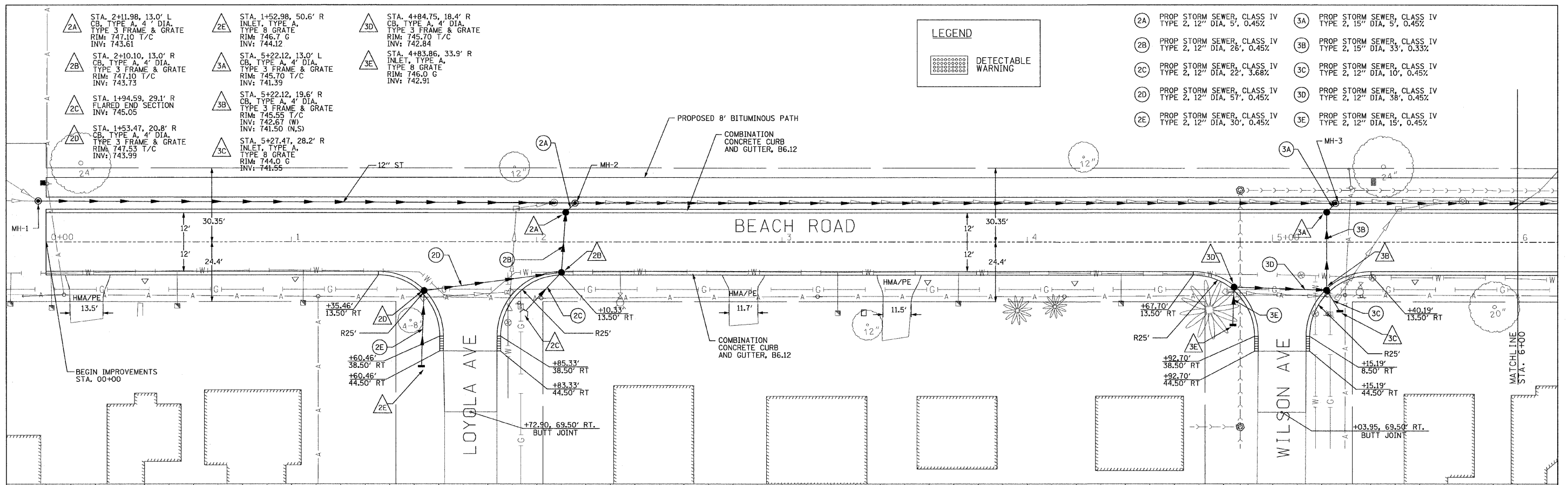
- SIGN AND SUPPORT OR PORTABLE ARROW/SIGN BOARD
- TYPE III BARRICADE CLOSURE W/ SIGNAGE
- CONE, DRUM OR BARRICADE
- DETOUR ROUTE



- NOTES:**
- CONSTRUCTION FOR PHASE I SHALL MAINTAIN EASTBOUND TRAFFIC FLOW THROUGH THIS PHASE OF THE PROJECT. WESTBOUND TRAFFIC IS TO BE DETOURED BETWEEN SHERIDAN ROAD AND NORTH AVENUE.
 - PRIVATE DRIVEWAYS MUST HAVE ACCESS AVAILABLE AT ALL TIMES.
 - ALL WORK, EXCLUDING HOT-MIX ASPHALT SURFACING, SHALL BE COMPLETED WITHIN THE APPROXIMATE WORK ZONE DURING PHASE II BEFORE PHASE I IS INITIATED.

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	



0+00.00	750.52	0+50.00	749.65	1+00.00	748.77	1+50.00	747.90	2+00.00	747.24	2+50.00	746.98	3+00.00	746.71	3+50.00	746.45	4+00.00	746.18	4+50.00	745.92	5+00.00	745.65	5+50.00	745.39	6+00.00	745.12
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RHMG JOB NO 21108030	DESIGNED - CMP DRAWN - NAT CHECKED - BWM DATE - 12/7/11	REVISED - 2/6/12 REVISED - 2/22/12 REVISED - REVISED -	RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC. CONSULTING ENGINEERS 976 CAMPUS DRIVE MUNDELEIN, ILLINOIS 60060 847-382-8989 www.rhmg.com info@rhmg.com	536 TOLLWAY RD. SUITE F ELGIN, ILLINOIS 60120 847-742-8989	VILLAGE OF BEACH PARK BEACH ROAD BEACH PARK, ILLINOIS	PLAN AND PROFILE V: 1"=5' SCALE: H: 1"=20' SHEET NO. 15 OF 47 SHEETS STA. 0+00 TO STA. 6+00	F.A. RTE. 1210 SECTION 11-00012-00-PV COUNTY LAKE TOTAL SHEETS 47 SHEET NO. 15 CONTRACT NO. 63683
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LEGEND

DETECTABLE WARNING

- (2A) PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 5', 0.45%
- (2B) PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 26', 0.45%
- (2C) PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 22', 3.68%
- (2D) PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 57', 0.45%
- (2E) PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 30', 0.45%
- (3A) PROP STORM SEWER, CLASS IV TYPE 2, 15" DIA, 5', 0.45%
- (3B) PROP STORM SEWER, CLASS IV TYPE 2, 15" DIA, 33', 0.33%
- (3C) PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 10', 0.45%
- (3D) PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 38', 0.45%
- (3E) PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 15', 0.45%

DATE	
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REVISIONS	
PLAN	
NO.	
DATE	
BY	
REVISIONS	
PROFILE	
NO.	
DATE	
BY	
REVISIONS	

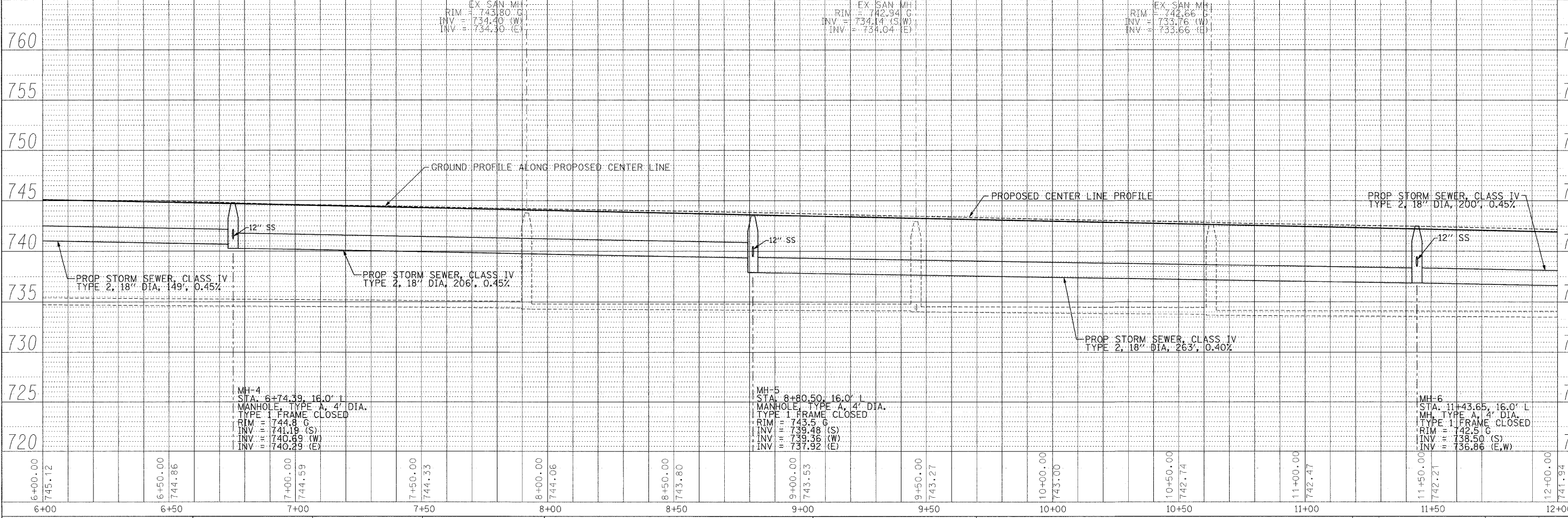
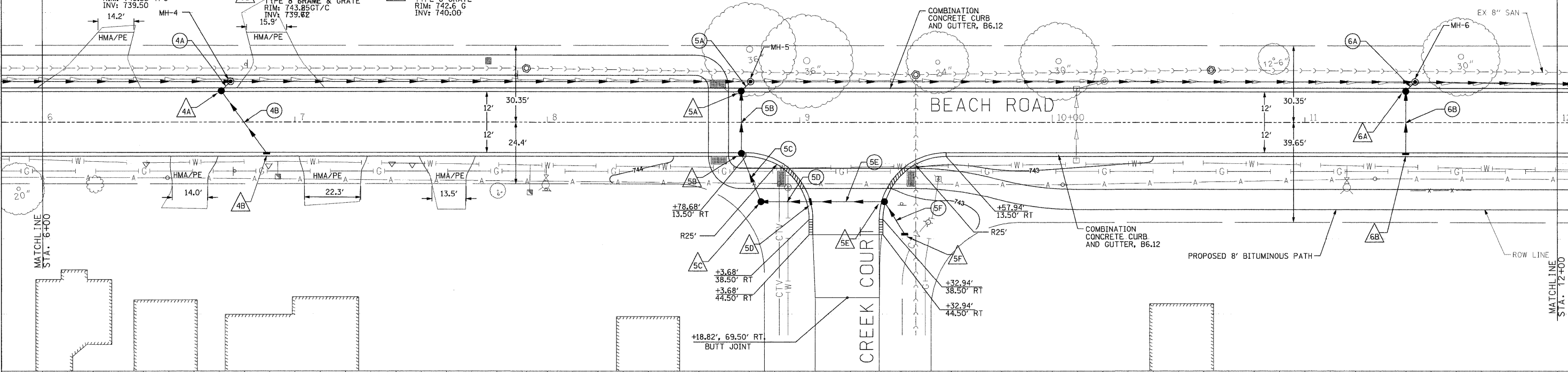
DATE	
BY	
REVISIONS	
PROFILE	
NO.	
DATE	
BY	
REVISIONS	

- 4A STA. 6+70.80, 13.0' L CB, TYPE A, 4' DIA. TYPE 3 FRAME & GRATE RIM: 745.00 T/C INV: 741.22
- 4B STA. 6+88.76, 13.0' R INLET, TYPE A, 4' DIA. TYPE 3 FRAME & GRATE RIM: 744.80 T/C INV: 741.36
- 5A STA. 8+76.34, 13.0' L CB, TYPE A, 4' DIA. TYPE 3 FRAME & GRATE RIM: 743.85 T/C INV: 739.50
- 5B STA. 8+76.34, 13.0' R CB, TYPE A, 4' DIA. TYPE 3 FRAME & GRATE RIM: 743.85 T/C INV: 739.62
- 5D STA. 9+03.18, 31.4' R INLET, TYPE A, 4' DIA. TYPE 3 FRAME & GRATE RIM: 743.50 T/C INV: 739.80
- 5E STA. 9+37.24, 31.4' R CB, TYPE A, 4' DIA. TYPE 3 FRAME & GRATE RIM: 743.20 T/C INV: 739.93
- 5F STA. 9+41.58, 44.3' R INLET, TYPE A, 4' DIA. TYPE 3 FRAME & GRATE RIM: 742.6 G INV: 740.00
- 6A STA. 11+39.95, 13.0' L CB, TYPE A, 4' DIA. TYPE 3 FRAME & GRATE RIM: 742.50 T/C INV: 738.50
- 6B STA. 11+39.95, 13.0' R INLET, TYPE A, 4' DIA. TYPE 3 FRAME & GRATE RIM: 742.50 T/C INV: 738.62

LEGEND

DETECTABLE WARNING

- 4A PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 5', 0.60%
- 4B PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 32', 0.45%
- 5A PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 5', 0.45%
- 5B PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 26', 0.45%
- 5C PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 20', 0.45%
- 5D PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 19', 0.45%
- 5E PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 30', 0.45%
- 5F PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 15', 0.45%
- 6A PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 5', 0.45%
- 6B PROP STORM SEWER, CLASS IV TYPE 2, 12" DIA, 26', 0.45%



6+00	6+12	6+50	6+86	7+00	7+59	7+50	7+33	8+00	7+06	8+50	7+80	9+00	7+53	9+50	7+27	10+00	7+00	10+50	7+74	11+00	7+47	11+50	7+21	12+00	7+94			
6+00	6+50	7+00	7+50	8+00	8+50	9+00	9+50	10+00	10+50	11+00	11+50	12+00	DESIGNED - CMP		REVISED - 2/6/12		DRAWN - NAT		REVISED - 2/22/12		CHECKED - BWM		REVISED -		DATE - 12/7/11		REVISED -	

RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC.
CONSULTING ENGINEERS

976 CAMPUS DRIVE
MUNDELEIN, ILLINOIS 60060
847-382-9999

535 TOLLWAY RD. SUITE F
ELGIN, ILLINOIS 60123
847-742-9999

VILLAGE OF BEACH PARK
BEACH ROAD
BEACH PARK, ILLINOIS

PLAN AND PROFILE

V: 1"=5'
SCALE: H: 1"=20'

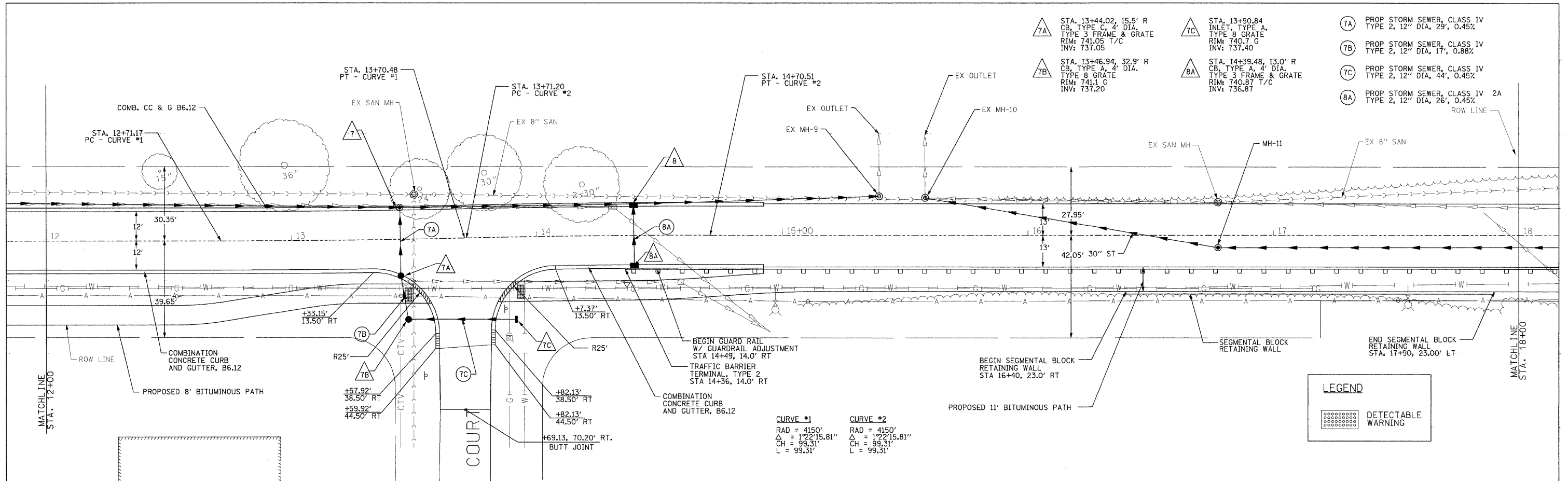
SHEET NO. 16 OF 47 SHEETS STA. 6+00 TO STA. 12+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
1210	11-00012-00-PV	LAKE	47 16
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 63683

RHMG JOB NO 21108030

DATE	
BY	
PLAN	
DESIGNED	
NOTED	
PLOTTED	
ALIGNED	
CHECKED	
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FILE NAME	

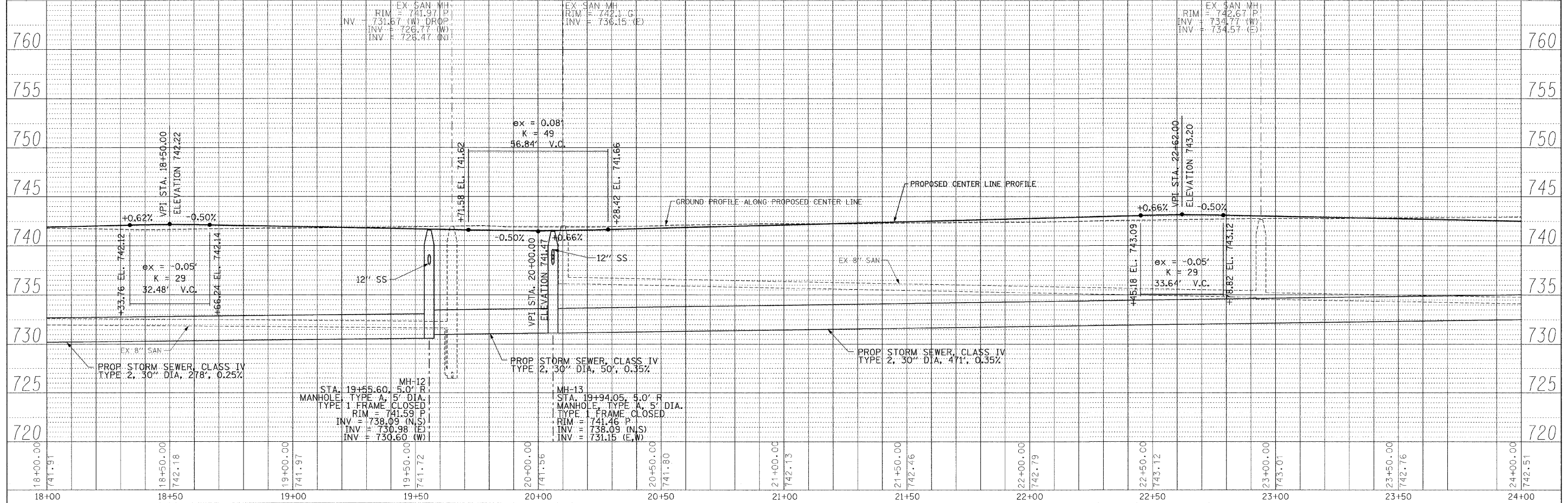
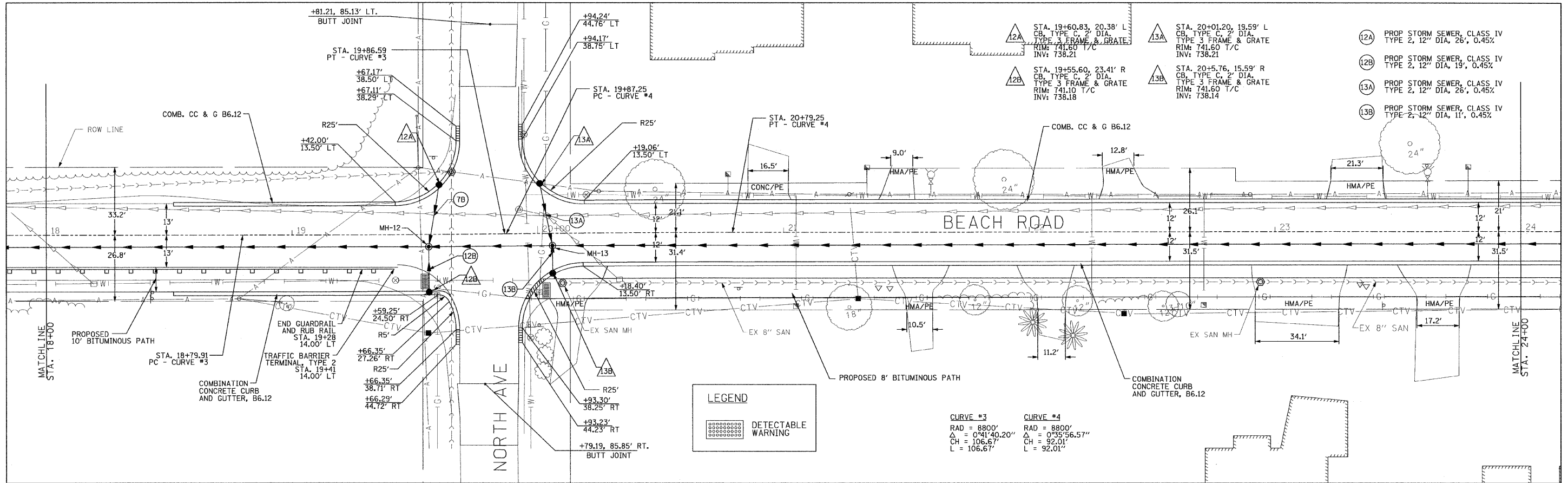
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PROFILE	
DESIGNED	
NOTED	
PLOTTED	
GRADES	
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STRUCTURE	
NOTATIONS	
CHKD	



RHM JOB NO 21108030	DESIGNED - CMP	REVISED - 2/6/12	RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC. CONSULTING ENGINEERS 976 CAMPUS DRIVE MUNDELEIN, ILLINOIS 60060 847-362-8889	VILLAGE OF BEACH PARK BEACH ROAD BEACH PARK, ILLINOIS	PLAN AND PROFILE V: 1"=5' SCALE: H: 1"=20' SHEET NO. 17 OF 47 SHEETS STA. 12+00 TO STA. 18+00	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - NAT	REVISED - 2/22/12				1210	11-0002-00-PV	LAKE	47	17
	CHECKED - BWM	REVISED -				CONTRACT NO. 63683				
	DATE - 12/7/11	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	CHECKED
	DATE
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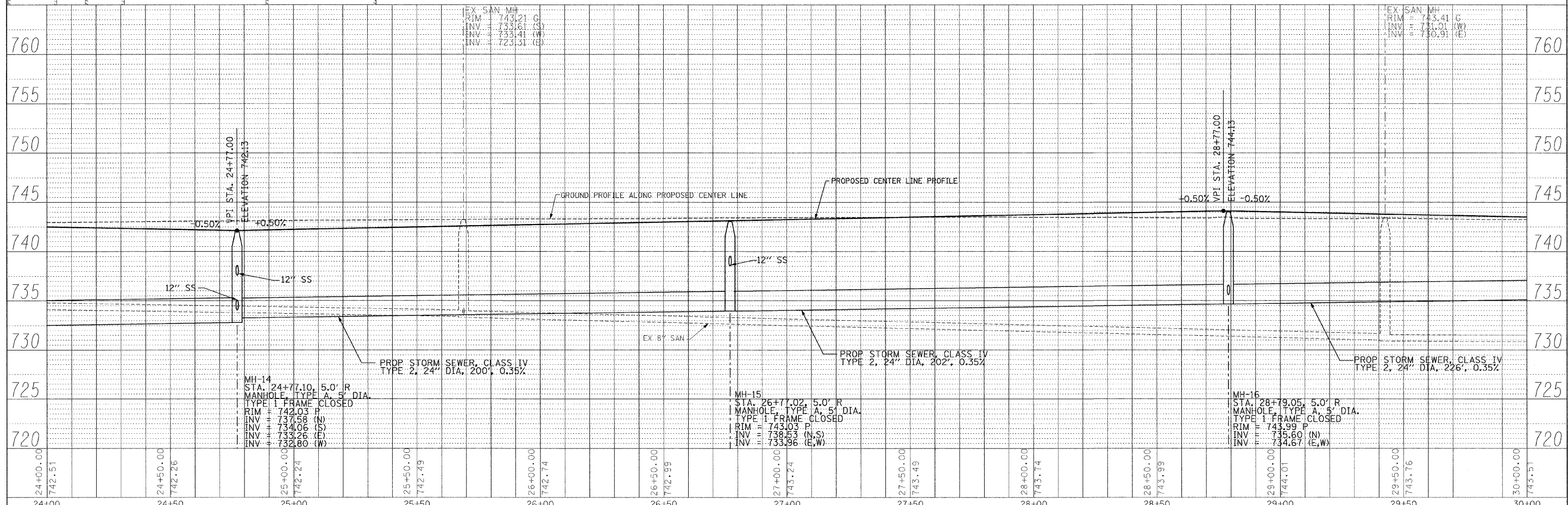
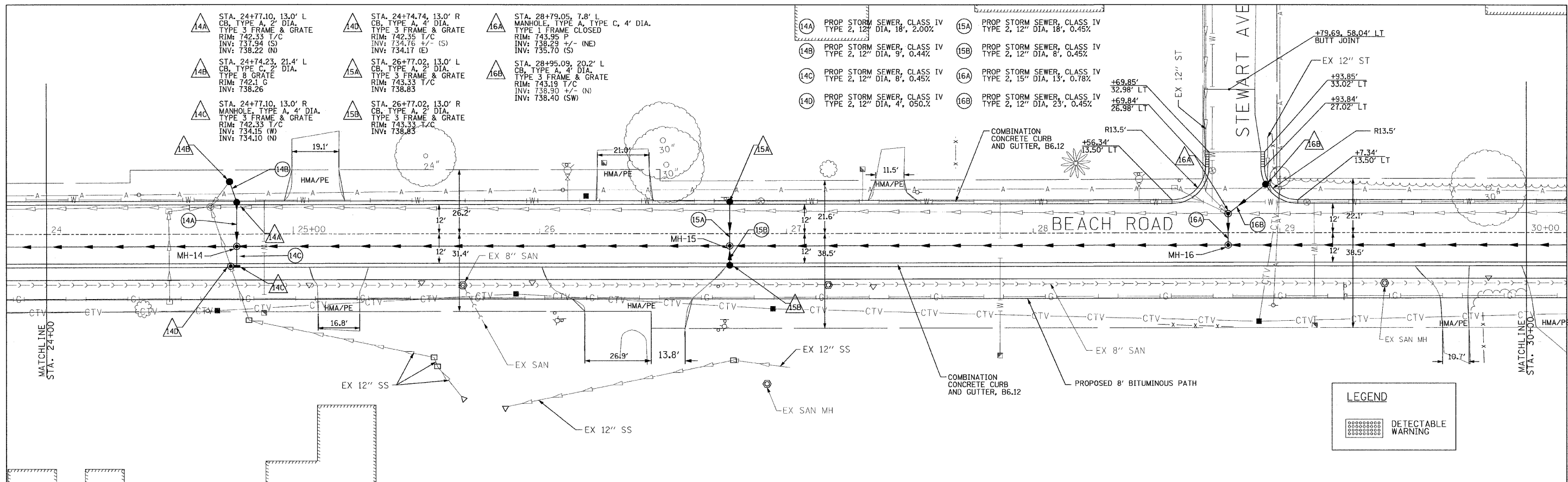
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PROFILE	SURVEYED
	PLOTTED
	CHECKED
	DATE
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	NO.
	NO.



RHMG JOB NO 21108030	DESIGNED - CMP	REVISED - 2/6/12	RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC. CONSULTING ENGINEERS 975 CAMPUS DRIVE MUNDEN, ILLINOIS 60960 847-382-8869	VILLAGE OF BEACH PARK BEACH ROAD BEACH PARK, ILLINOIS	PLAN AND PROFILE SCALE: H: 1"=20' SHEET NO. 18 OF 47 SHEETS STA. 18+00 TO STA. 24+00		F.A. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 18
	DRAWN - NAT	REVISED - 2/22/12			F.A. RTE. 1210 SECTION 11-00012-00-PV COUNTY LAKE TOTAL SHEETS 47 SHEET NO. 18 CONTRACT NO. 63683		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
	CHECKED - BWM	REVISED -	535 TOLLWAY RD. SUITE F ELGIN, ILLINOIS 60123 847-742-6969								
	DATE - 12/7/11	REVISED -									

PLAN	SURVEYED	DATE
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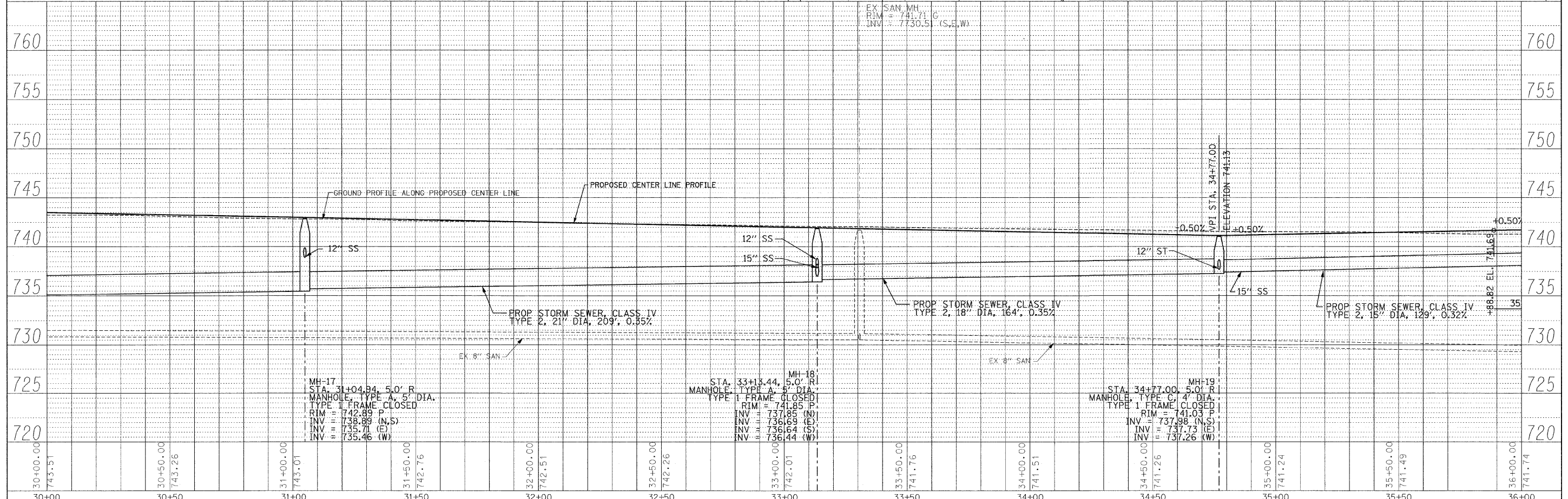
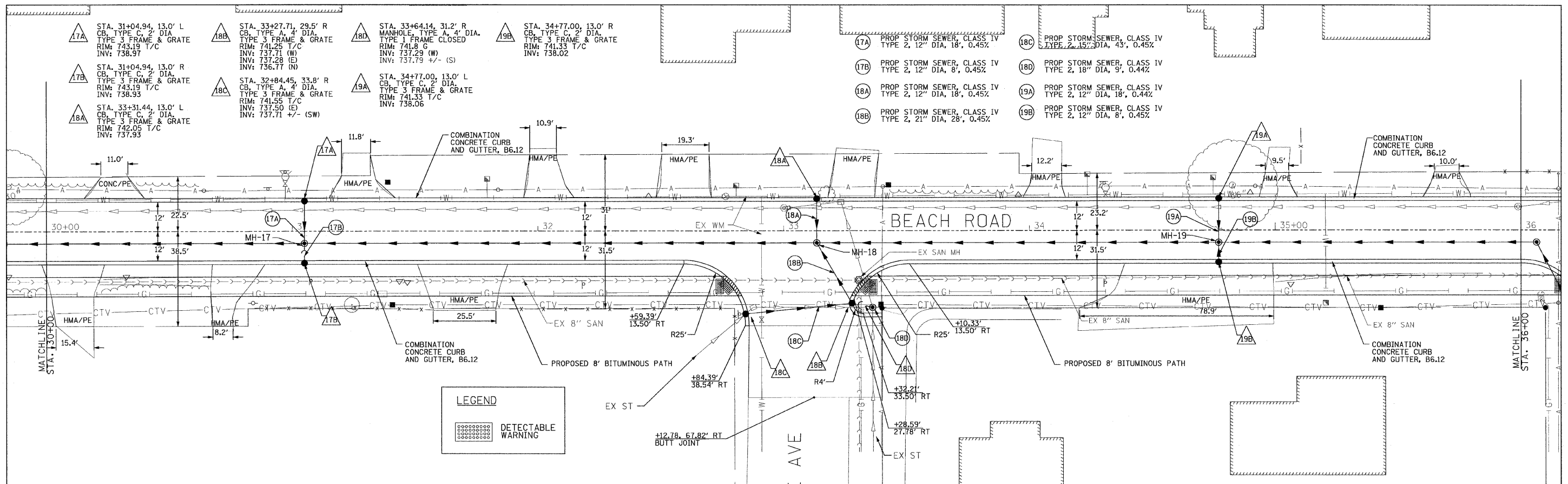
PROFILE	SURVEYED	DATE
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RHM JOB NO 21108030	DESIGNED - CMP	REVISED - 2/6/12	RHM CONSULTING ENGINEERS 976 CAMPUS DRIVE MUNDLEIGH, ILLINOIS 60060 847-362-8989 www.rhm.com info@rhm.com	VILLAGE OF BEACH PARK BEACH ROAD BEACH PARK, ILLINOIS	PLAN AND PROFILE V: 1"=5' SCALE: H: 1"=20'		F.A. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 19
	CHECKED - BWM	REVISED - 2/22/12			SHEET NO. 19 OF 47 SHEETS STA. 24+00 TO STA. 30+00	CONTRACT NO. 63683 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	DATE
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	DATE FILE NAME	

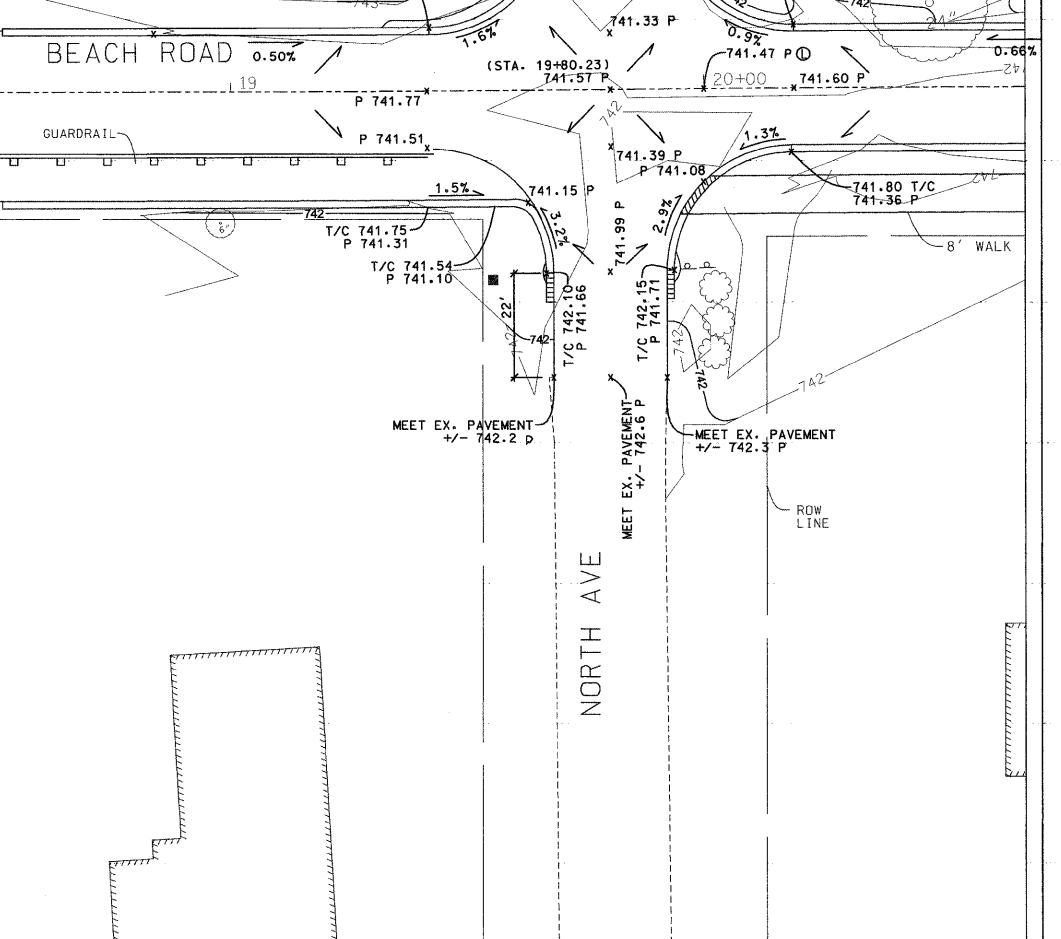
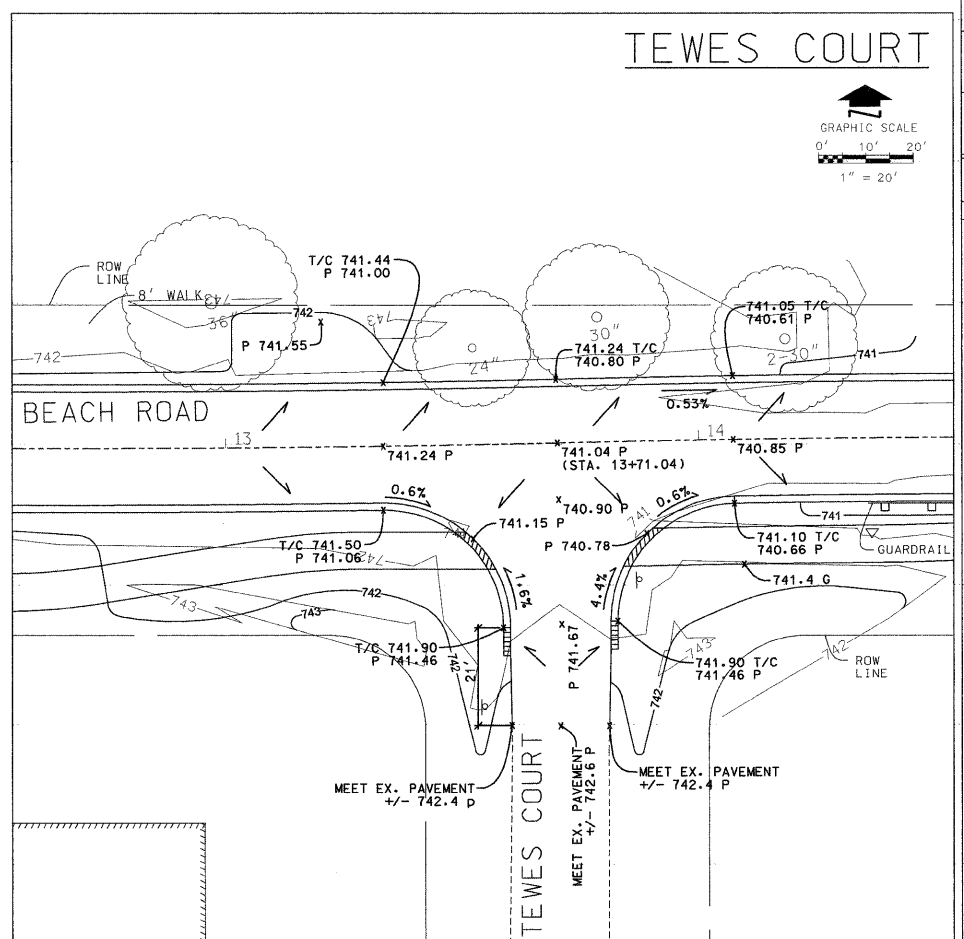
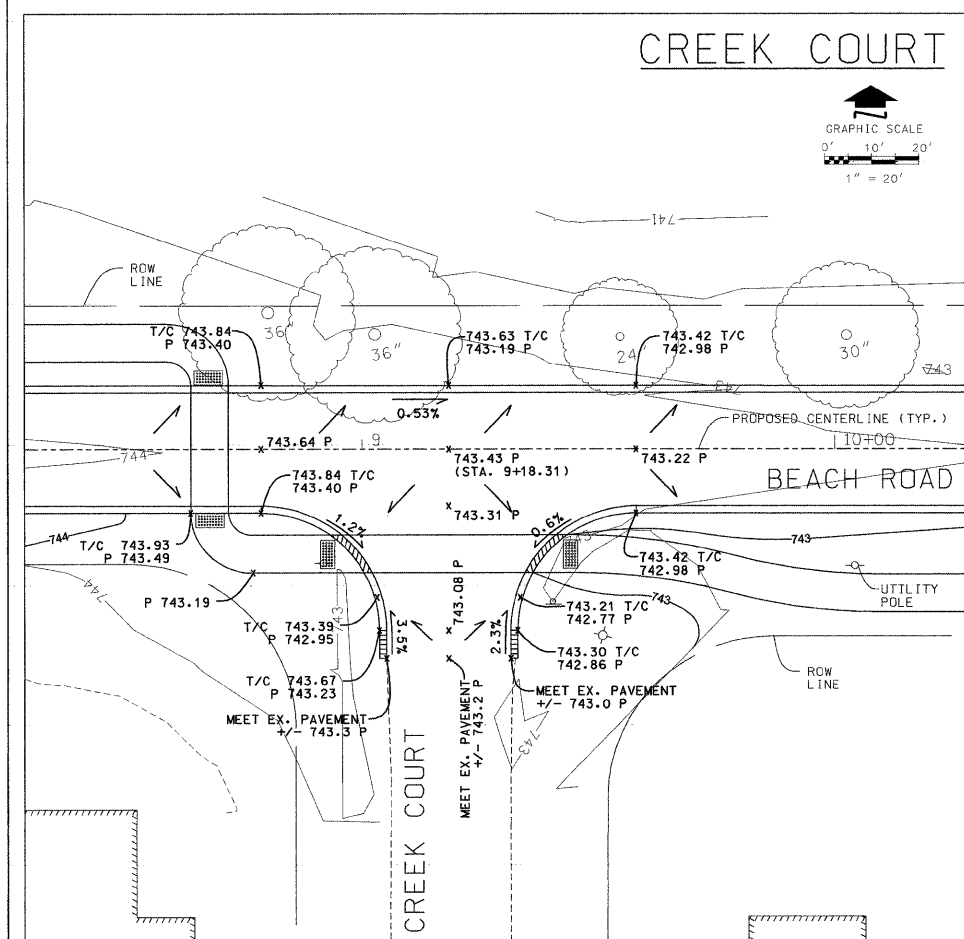
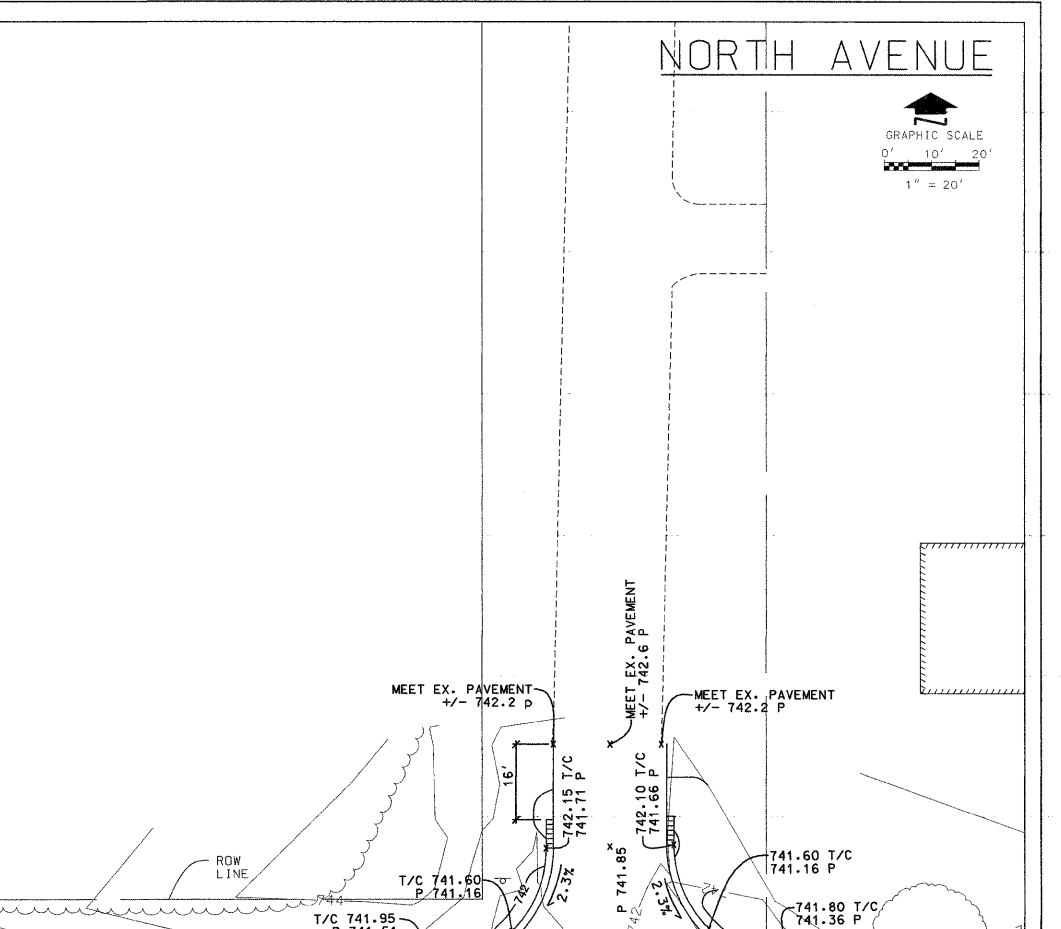
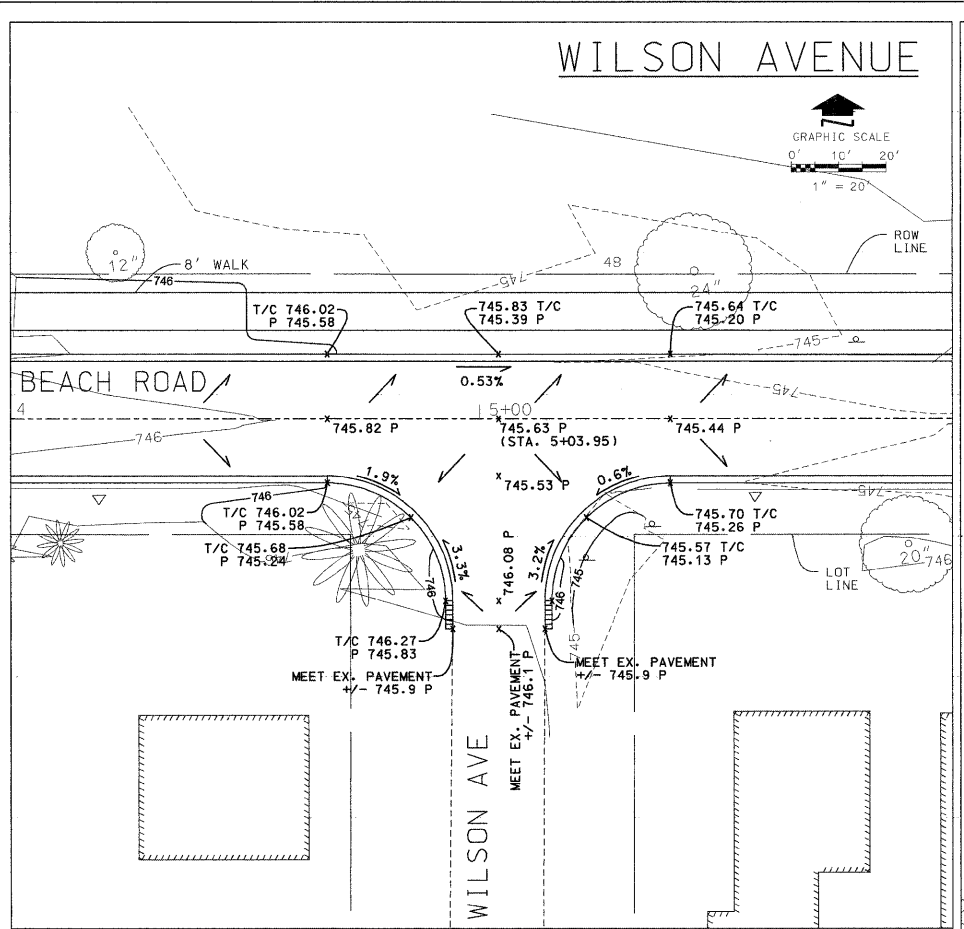
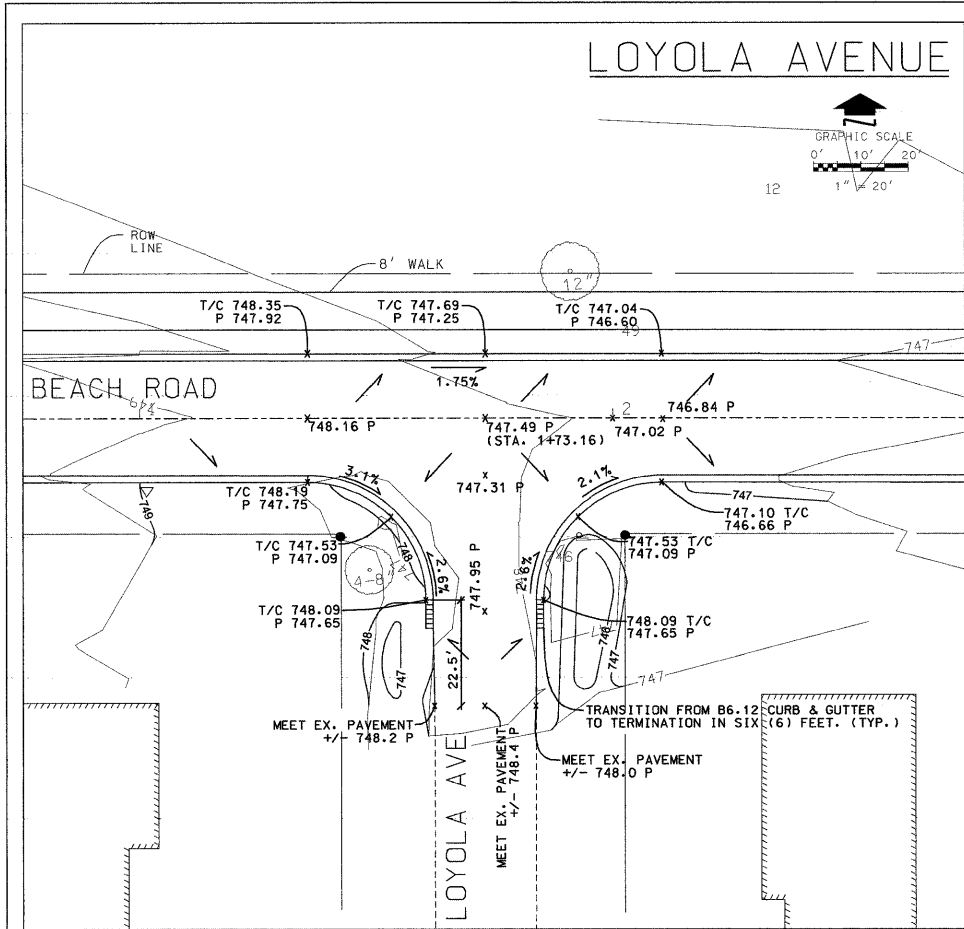
PROFILE	SURVEYED	DATE
	PLOTTED	
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RHMG JOB NO 21108030	DESIGNED - CMP DRAWN - NAT CHECKED - BWM DATE - 12/7/11	REVISED - 2/6/12 REVISED - 2/22/12 REVISED - REVISED -	RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC. CONSULTING ENGINEERS 876 CAMPUS DRIVE MUNDLEIN, ILLINOIS 60060 847-362-8959 www.rhmg.com info@rhmg.com	VILLAGE OF BEACH PARK BEACH ROAD BEACH PARK, ILLINOIS	PLAN AND PROFILE V: 1"=5' SCALE: H: 1"=20' SHEET NO. 20 OF 47 SHEETS STA. 30+00 TO STA. 36+00	F.A. RTE. 1210 SECTION 11-00012-00-PV COUNTY LAKE TOTAL SHEETS 47 SHEET NO. 20 CONTRACT NO. 63683	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
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DATE	
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ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
PAV. FILE NAME	
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DATE	
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SURVEYED	
GRADES CHECKED	
BEAM NOTED	
STRUCTURE NOTATIONS OK'D	
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DESIGNED	-	CMP	REVISED	-	2/6/12
DRAWN	-	NAT	REVISED	-	2/22/12
CHECKED	-	BWM	REVISED	-	
DATE	-	12/7/11	REVISED	-	

RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC.
CONSULTING ENGINEERS
975 CAMPUS DRIVE
MUNDELEIN, ILLINOIS 60060
847-362-9999

638 TOLLWAY RD. SUITE F
ELGIN, ILLINOIS 60123
847-742-9999

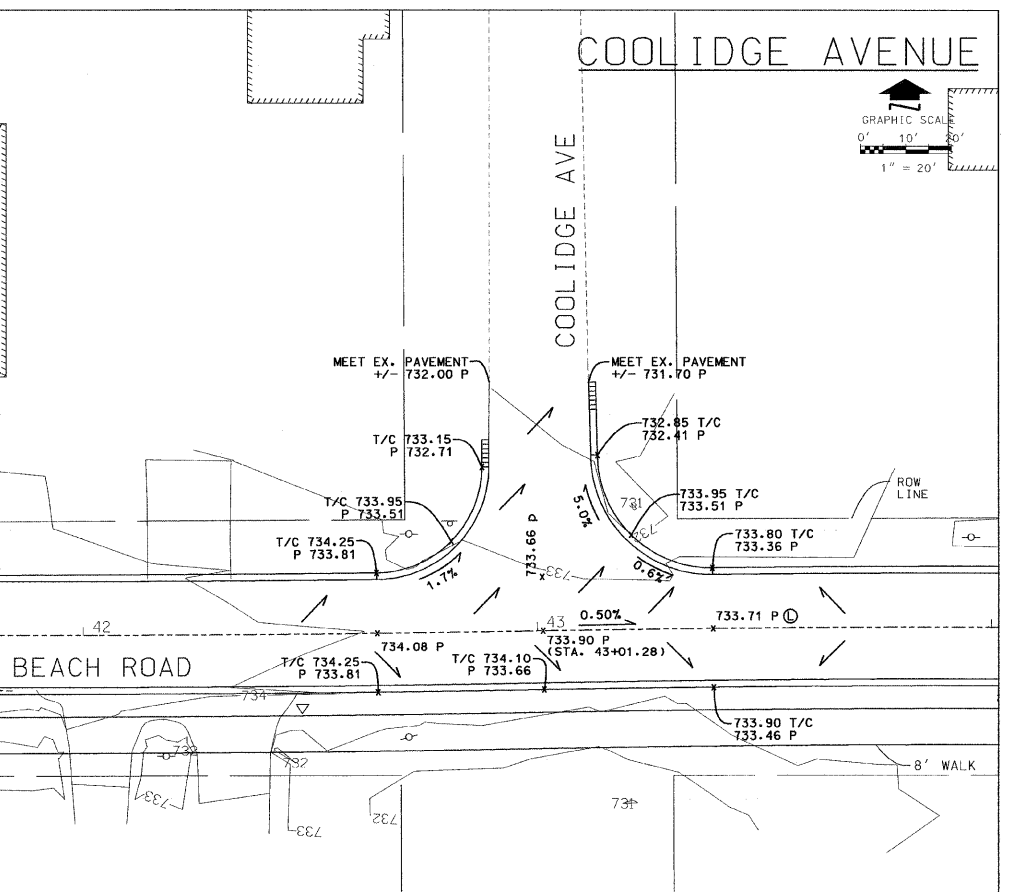
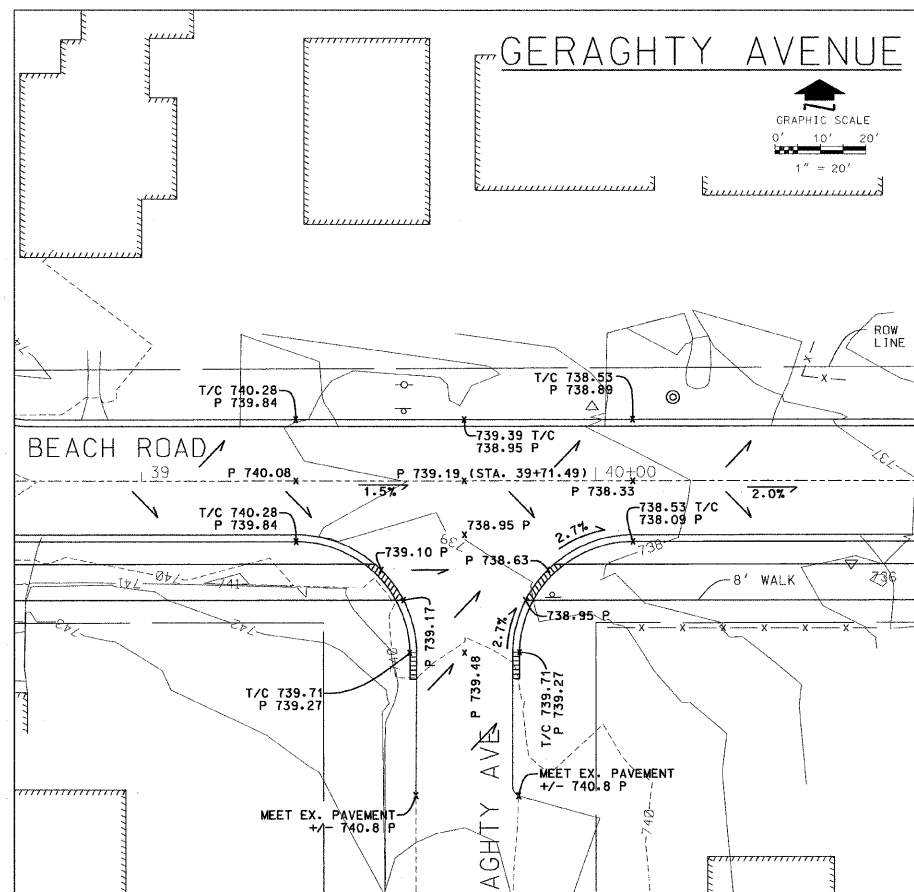
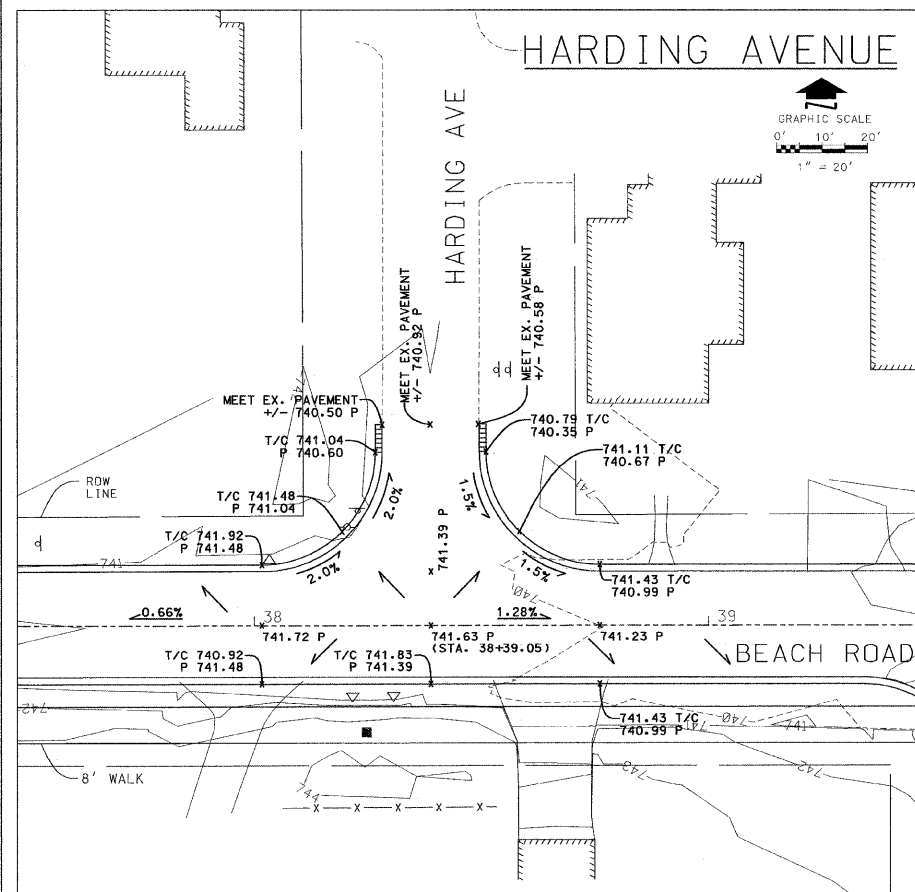
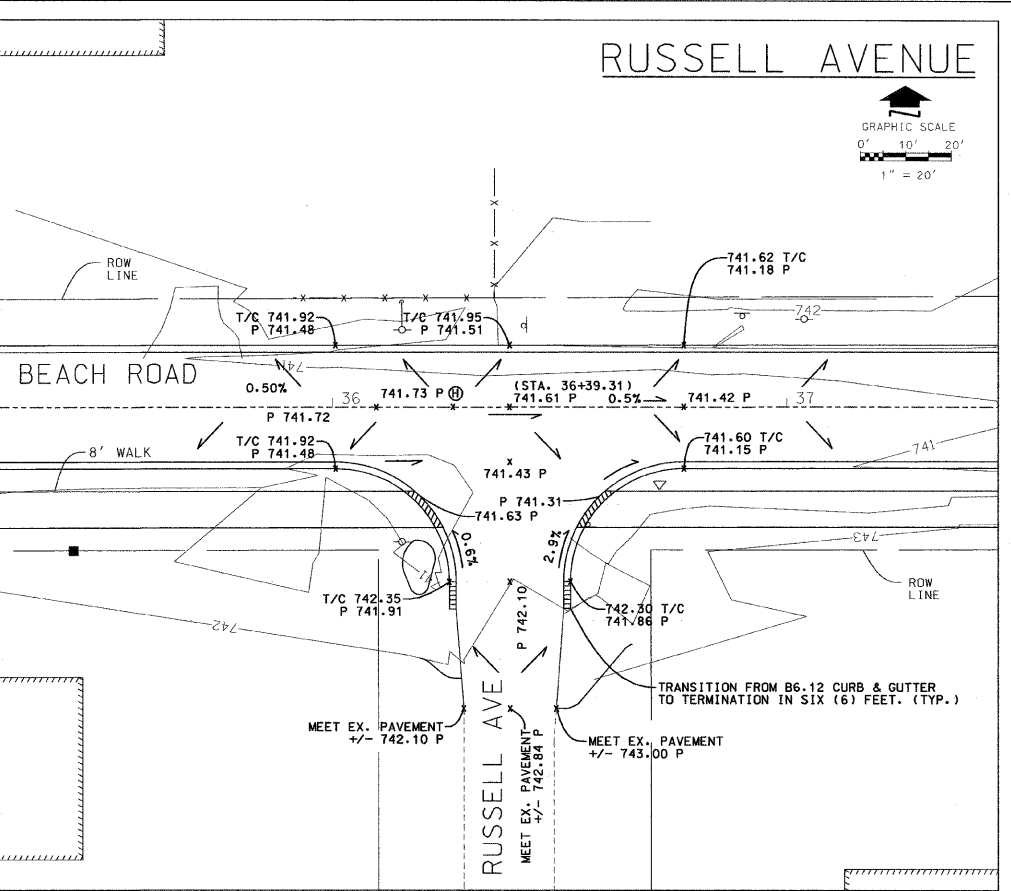
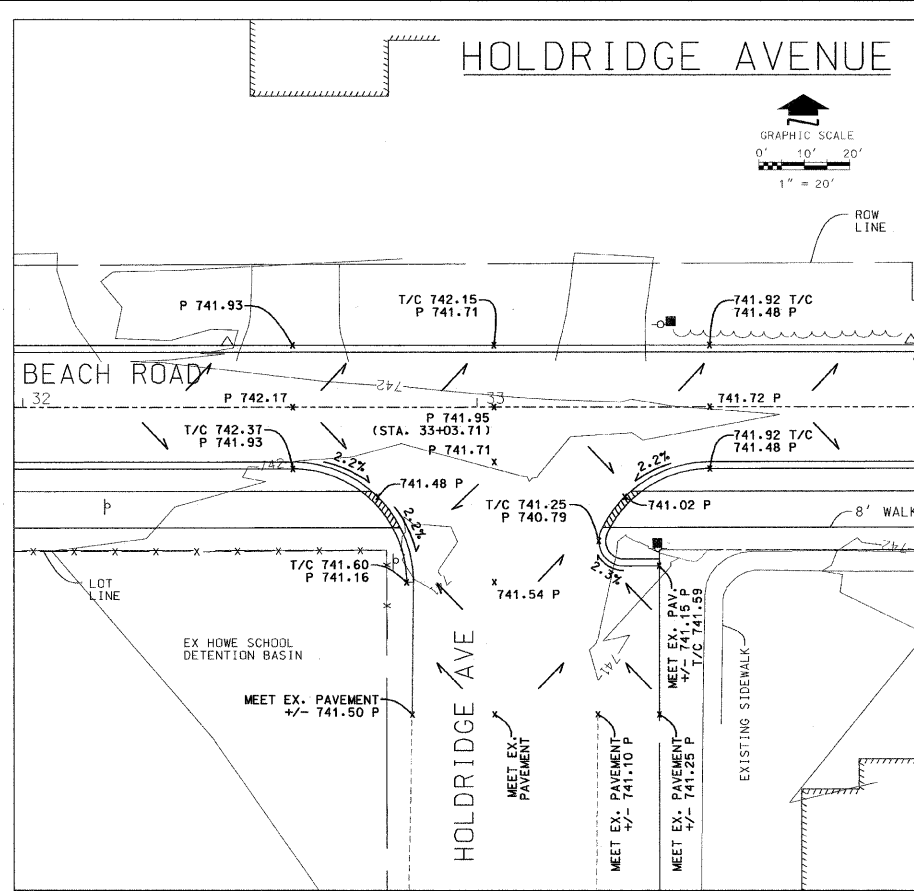
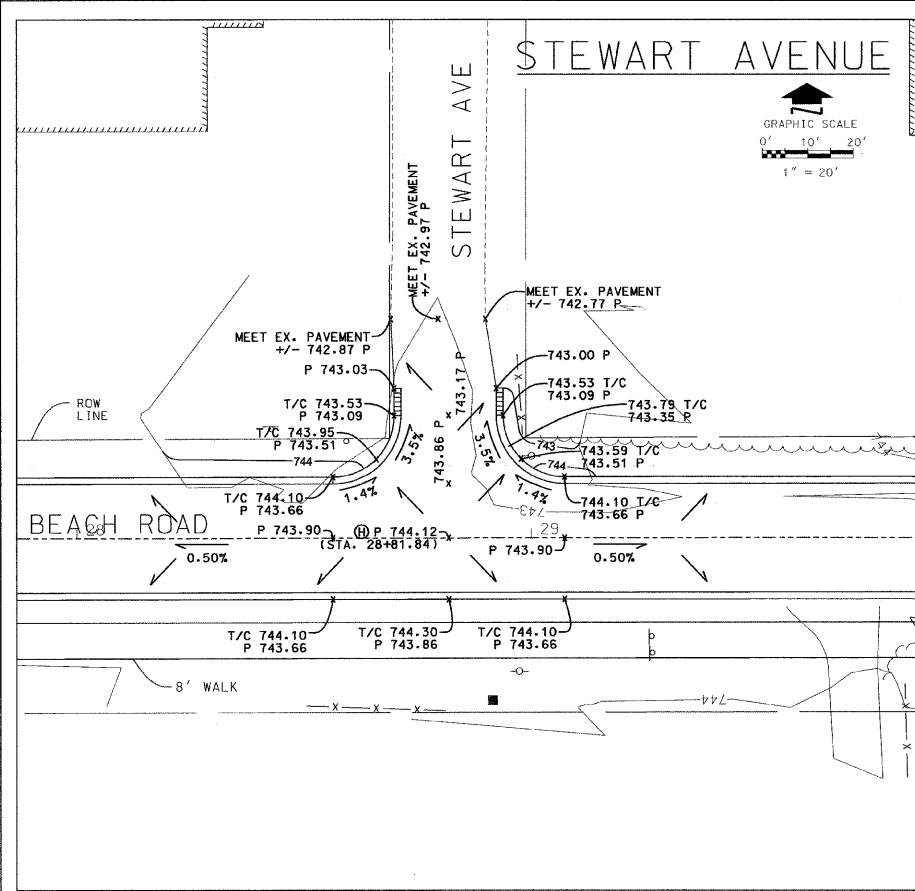
VILLAGE OF BEACH PARK
BEACH ROAD
BEACH PARK, ILLINOIS

INTERSECTION DETAILS
SCALE: 1" = 20'
SHEET NO. 23 OF 47 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	11-00012-00-PV	LAKE	47	23
CONTRACT NO. 63683				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	REVISIONS	DATE
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RHMG JOB NO 21108030

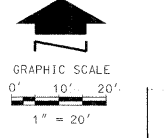
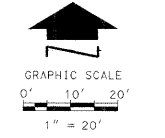
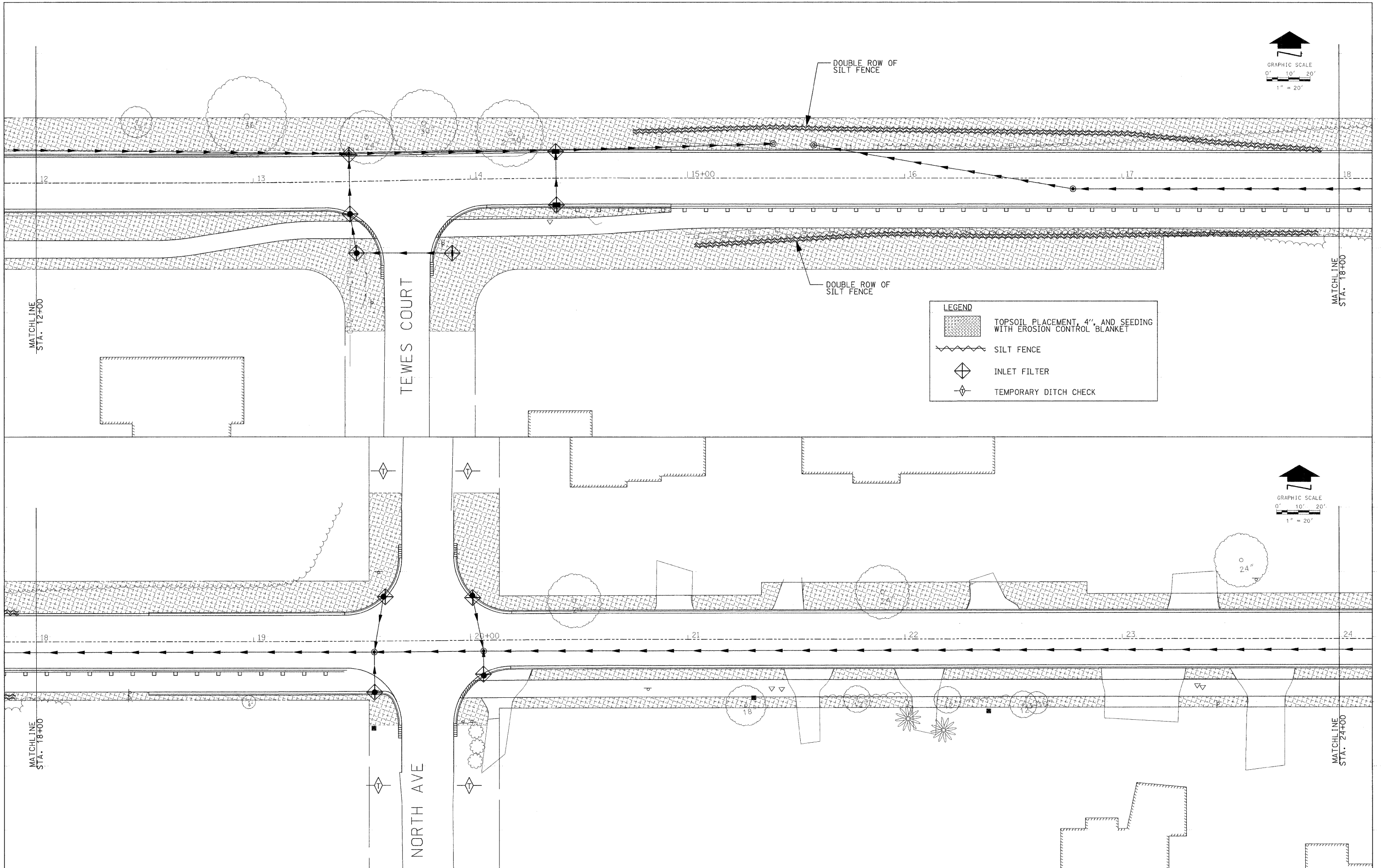
DESIGNED - CMP	REVISED - 2/6/12
DRAWN - NAT	REVISED - 2/22/12
CHECKED - BWM	REVISED -
DATE - 12/7/11	REVISED -

RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC.
CONSULTING ENGINEERS
375 CAMPUS DRIVE
MUNDELEIN, ILLINOIS 60060
847-362-5999
535 TOLLWAY RD. SUITE F
ELGIN, ILLINOIS 60123
847-742-5999

VILLAGE OF BEACH PARK
BEACH ROAD
BEACH PARK, ILLINOIS

INTERSECTION DETAILS	
SCALE: 1" = 20'	SHEET NO. 24 OF 47
SHEETS STA.	TO STA.

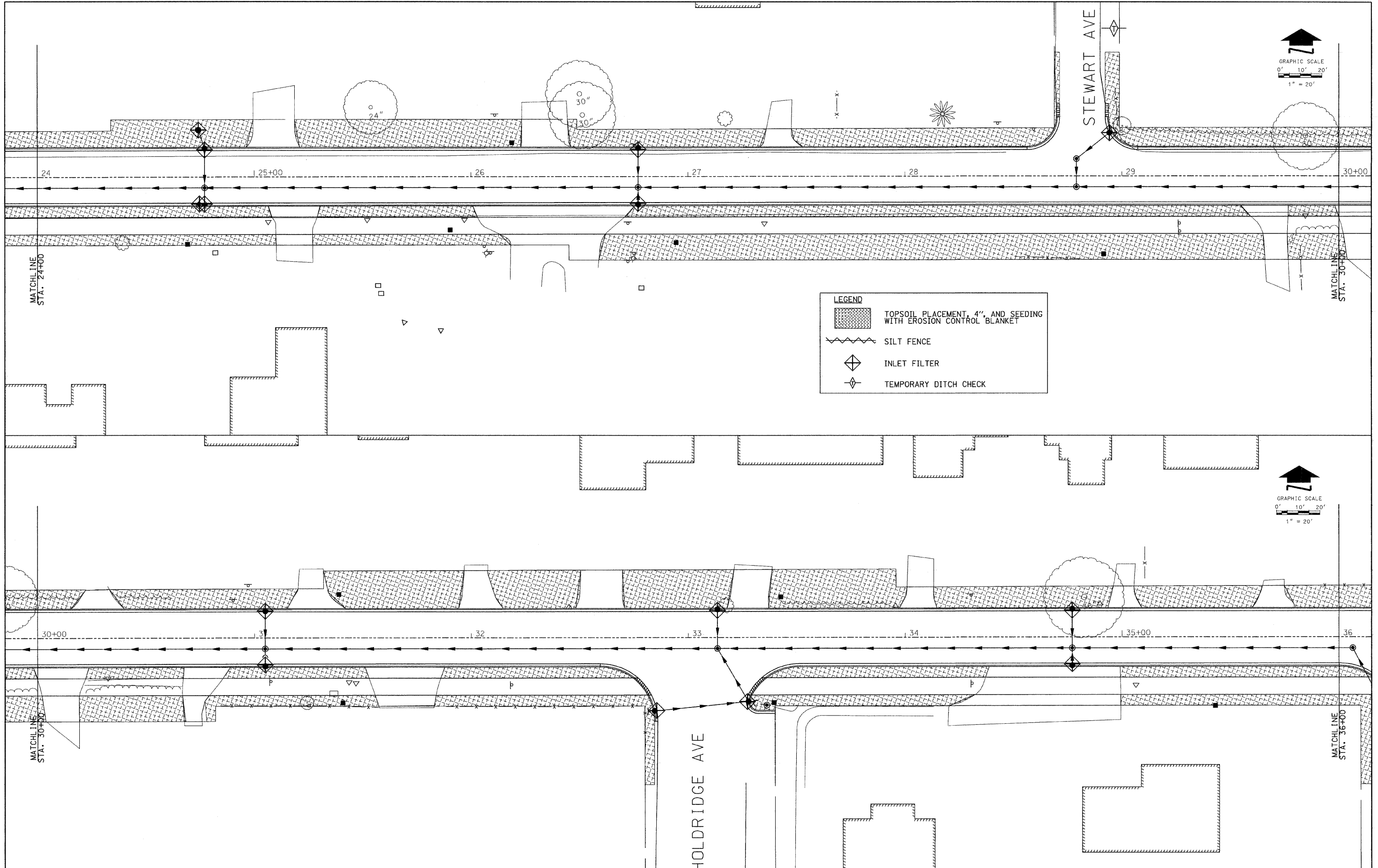
F.A. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 24
CONTRACT NO. 63683		ILLINOIS FED. AID PROJECT		



LEGEND

	TOPSOIL PLACEMENT, 4", AND SEEDING WITH EROSION CONTROL BLANKET
	SILT FENCE
	INLET FILTER
	TEMPORARY DITCH CHECK

RHMG JOB NO 21108030	DESIGNED - CMP	REVISED - 2/6/12	RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC. CONSULTING ENGINEERS 975 CAMPUS DRIVE MUNDELEIN, ILLINOIS 60080 847-362-6969 538 TOLLWAY RD, SUITE F ELGIN, ILLINOIS 60123 847-742-6969	VILLAGE OF BEACH PARK BEACH ROAD BEACH PARK, ILLINOIS	STORMWATER POLLUTION PREVENTION PLAN SCALE: 1"= 20' SHEET NO. 26 OF 47 SHEETS STA. 12+00 TO STA. 24+00			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DATE - 12/7/11	CHECKED - BWM			REVISED - 2/22/12	1210	11-00012-00-PV	LAKE	47	26		
CONTRACT NO. 63683												
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT												



RHM JOB NO 21108030	DESIGNED -	CMP	REVISED -	2/6/12
	DRAWN -	NAT	REVISED -	2/22/12
	CHECKED -	BWM	REVISED -	
	DATE -	12/7/11	REVISED -	

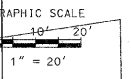
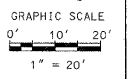
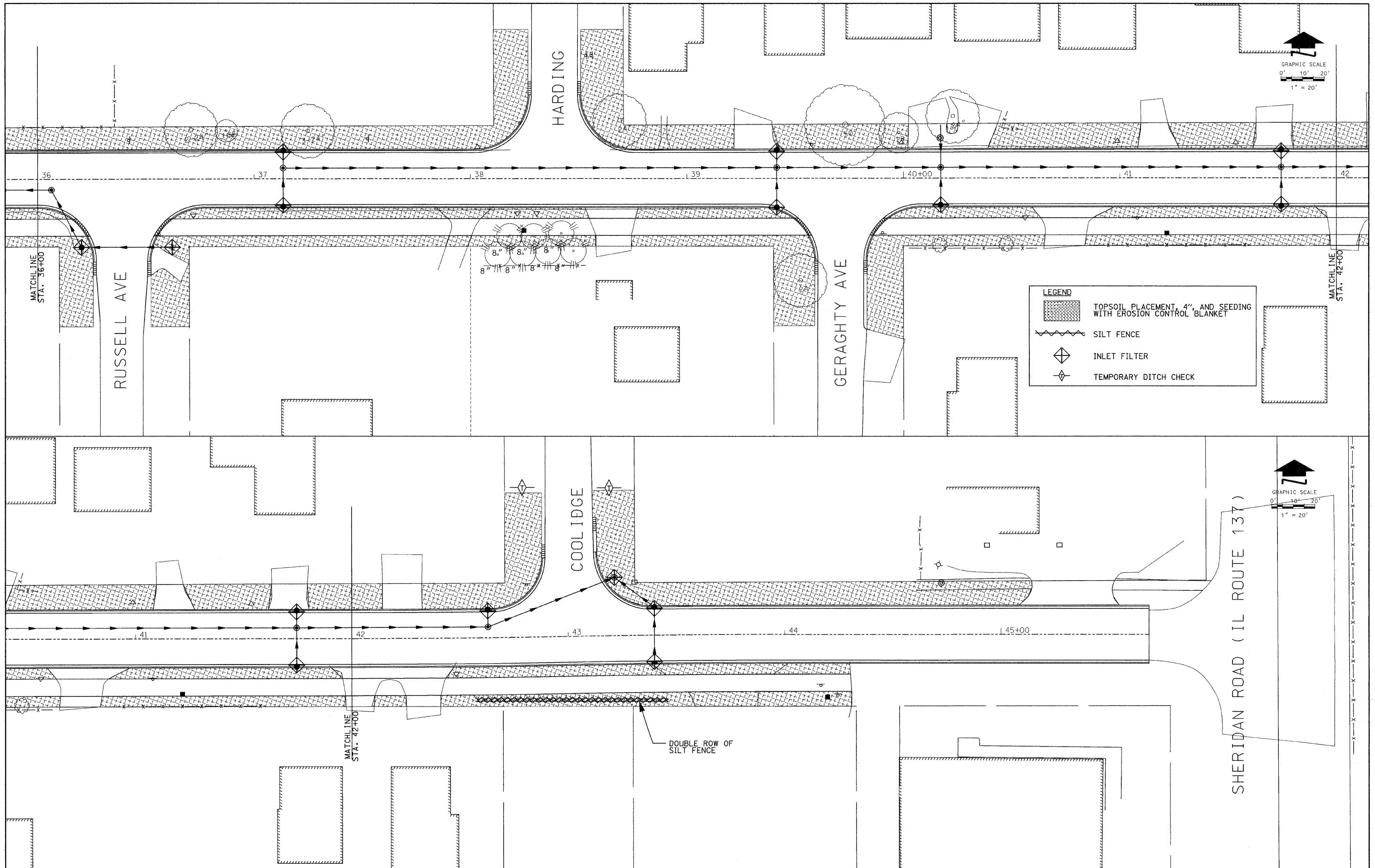
	REZEK, HENRY, MEISENHEIMER, and GENDE, INC. CONSULTING ENGINEERS			
	975 CAMPUS DRIVE		636 TOLLWAY RD. SUITE F	
	MUNDELEIN, ILLINOIS 60060		ELGIN, ILLINOIS 60123	
	847-362-9399		847-742-9399	

**VILLAGE OF BEACH PARK
 BEACH ROAD
 BEACH PARK, ILLINOIS**

STORMWATER POLLUTION PREVENTION PLAN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	11-00012-00-PV	LAKE	47	27
CONTRACT NO. 63683				
SCALE: 1" = 20' SHEET NO. 27 OF 47 SHEETS STA. 24+00 TO STA. 36+00				

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

- TOPSOIL PLACEMENT, 4", AND SEEDING WITH EROSION CONTROL BLANKET
- SILT FENCE
- INLET FILTER
- TEMPORARY DITCH CHECK

DOUBLE ROW OF SILT FENCE

RHMG JOB NO 21108030

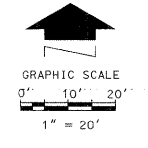
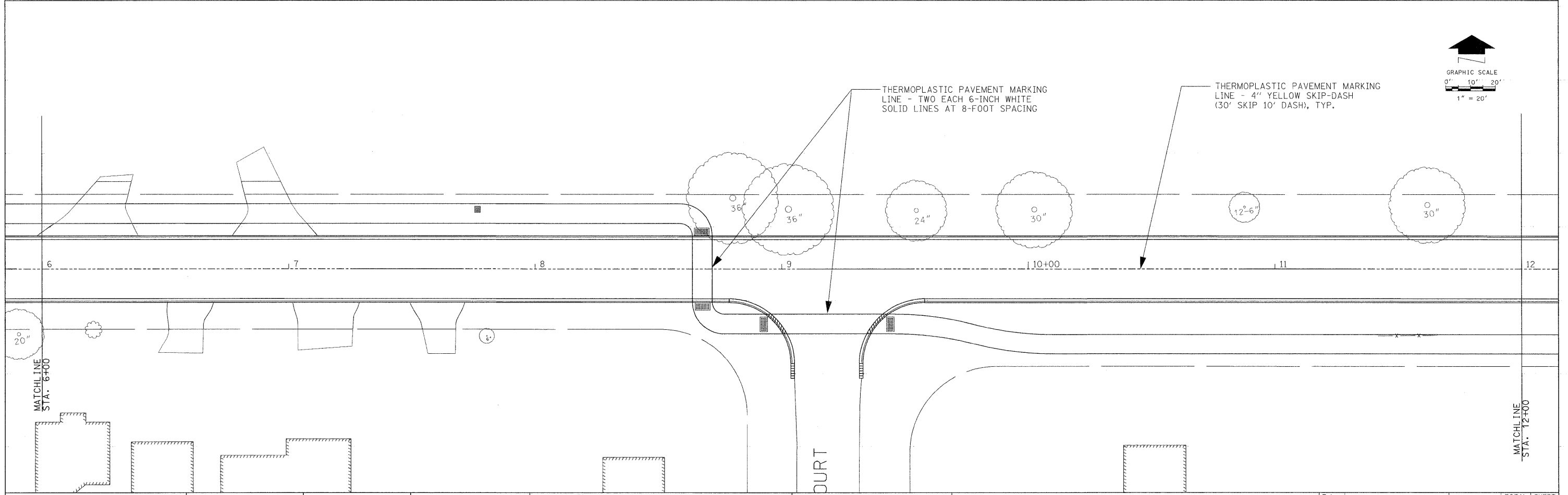
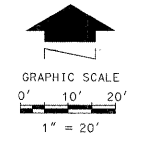
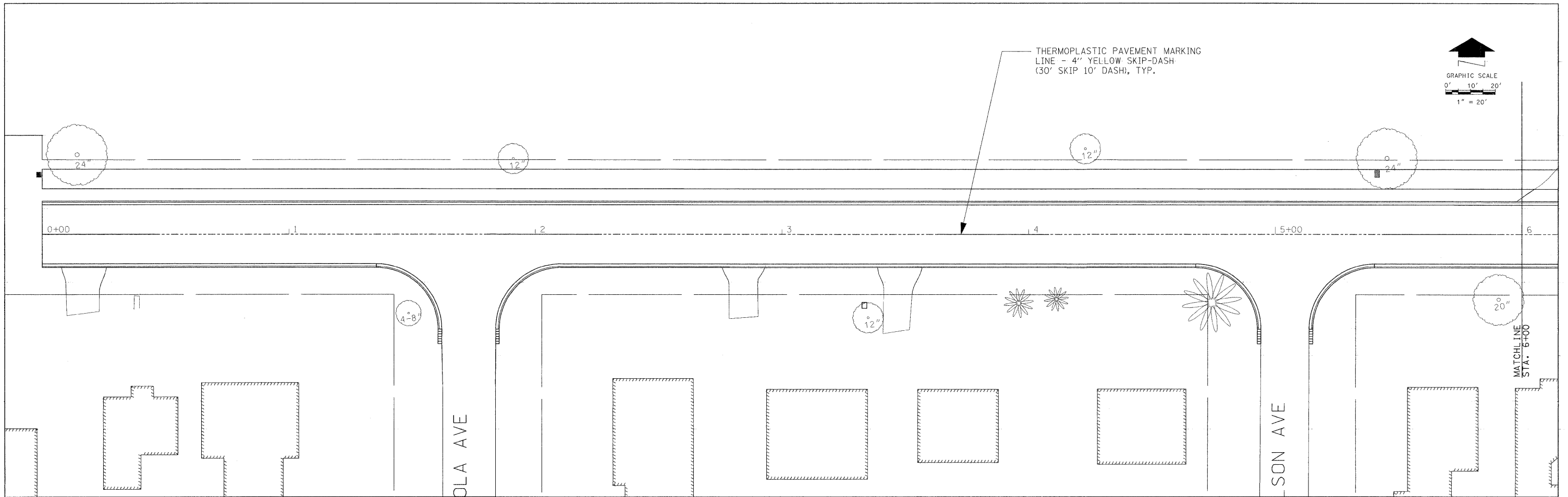
DESIGNED - CMP	REVISED - 2/6/12
DRAWN - NAT	REVISED - 2/22/12
CHECKED - BWM	REVISED -
DATE - 12/7/11	REVISED -

RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC.
 CONSULTING ENGINEERS
 www.rhmg.com
 975 CAMPUS DRIVE MUNDELEIN, ILLINOIS 60060 847-362-8989
 535 TOLLWAY RD. SUITE F ELGIN, ILLINOIS 60123 847-742-8589

VILLAGE OF BEACH PARK
 BEACH ROAD
 BEACH PARK, ILLINOIS

STORMWATER POLLUTION PREVENTION PLAN
 SCALE: 1" = 20' SHEET NO. 28 OF 47 SHEETS STA. 36+00 TO STA. 48+39

F.A. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 28
CONTRACT NO. 63683				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



RHMG JOB NO 21108030

DESIGNED -	CMP	REVISED -	2/6/12
DRAWN -	NAT	REVISED -	2/22/12
CHECKED -	BWM	REVISED -	
DATE -	12/7/11	REVISED -	

RHMG

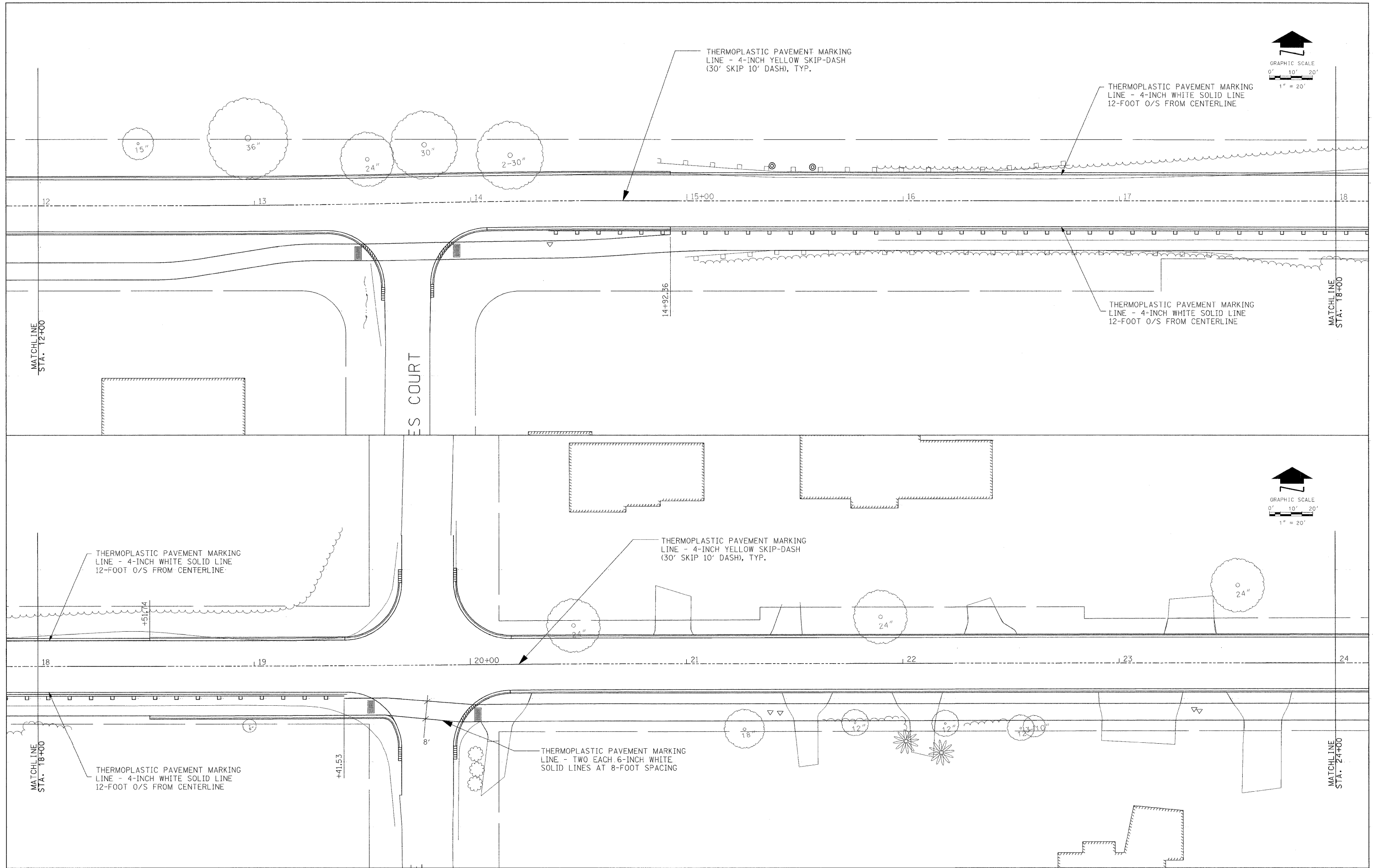
REZEK, HENRY, MEISENHEIMER, and GENDE, INC.
 CONSULTING ENGINEERS
 975 CAMPUS DRIVE
 MUNDELEIN, ILLINOIS 60060
 847-382-5999

536 TOLLWAY RD. SUITE F
 ELGIN, ILLINOIS 60123
 847-742-5959

**VILLAGE OF BEACH PARK
 BEACH ROAD
 BEACH PARK, ILLINOIS**

PAVEMENT MARKING PLAN
 SCALE: 1" = 20' SHEET NO. 29 OF 47 SHEETS STA. 0+00 TO STA. 12+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	11-00012-00-PV	LAKE	47	29
CONTRACT NO. 63683				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



RHMG JOB NO 21108030

DESIGNED -	CMP	REVISED -	2/6/12
DRAWN -	NAT	REVISED -	2/22/12
CHECKED -	BWM	REVISED -	
DATE -	12/7/11	REVISED -	

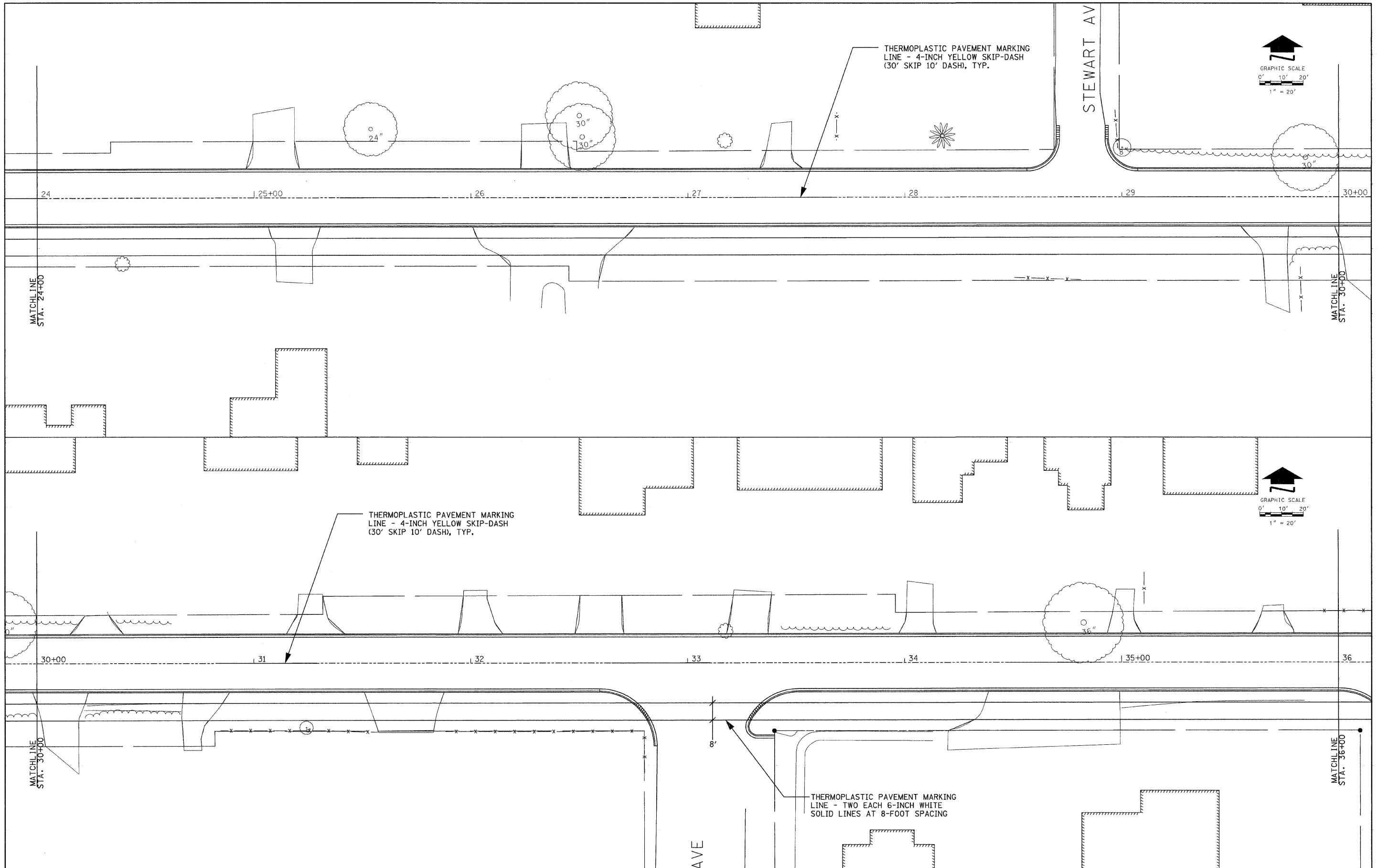
RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC.
 CONSULTING ENGINEERS
 875 CAMPUS DRIVE
 MUNDELEIN, ILLINOIS 60090
 847-362-9999

835 TOLLWAY RD, SUITE F
 ELGIN, ILLINOIS 60123
 847-742-5959

**VILLAGE OF BEACH PARK
 BEACH ROAD
 BEACH PARK, ILLINOIS**

PAVEMENT MARKING PLAN
 SCALE: 1" = 20'
 SHEET NO. 30 OF 47 SHEETS
 STA. 12+00 TO STA. 24+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	11-00012-00-PV	LAKE	47	30
CONTRACT NO. 63683				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



RHMG JOB NO 21108030

DESIGNED -	CMP	REVISED -	2/6/12
DRAWN -	NAT	REVISED -	2/22/12
CHECKED -	BWM	REVISED -	
DATE -	12/7/11	REVISED -	

RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC.
CONSULTING ENGINEERS

875 CAMPUS DRIVE
MUNDELEIN, ILLINOIS 60060
847-362-5959

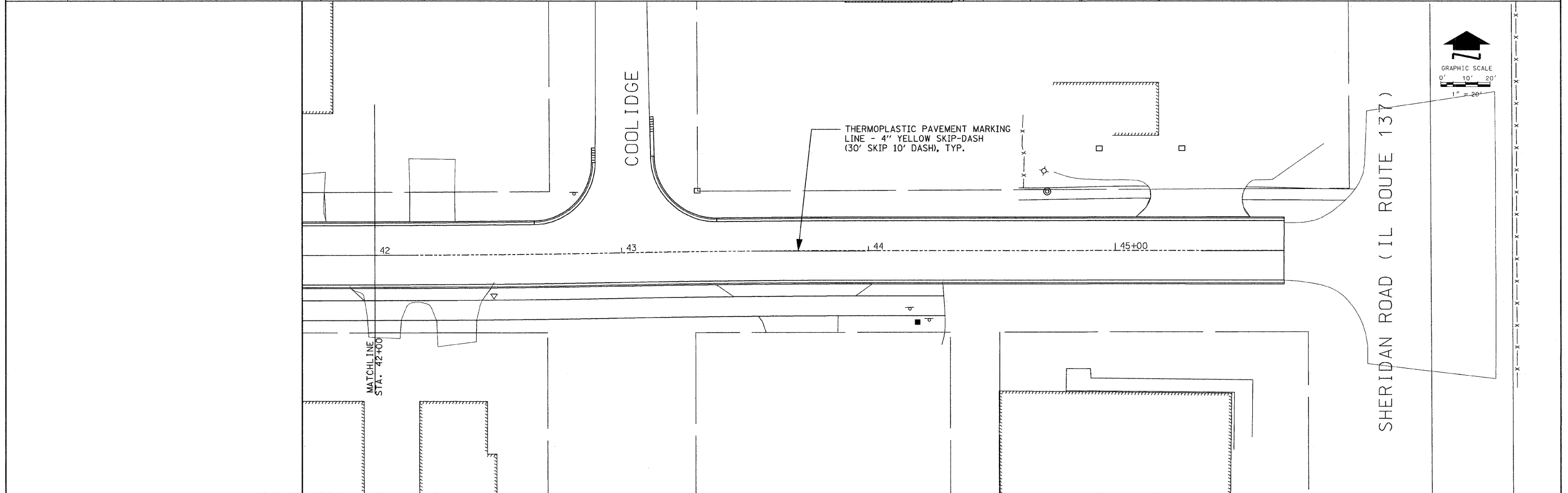
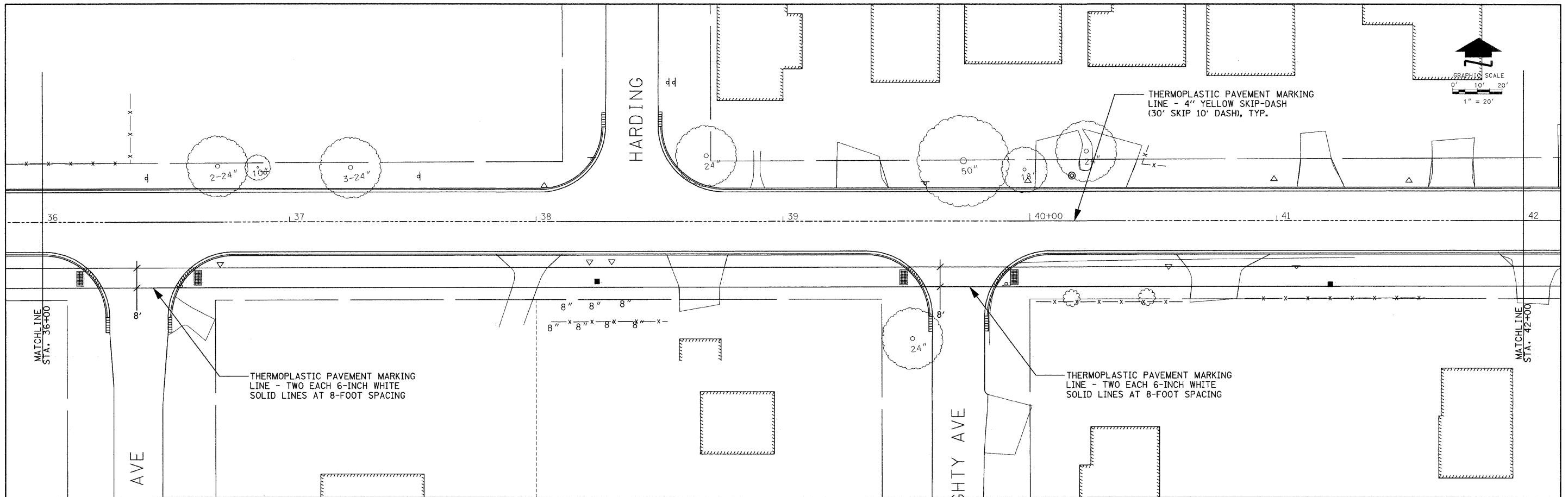
536 TOLLWAY RD., SUITE F
ELGIN, ILLINOIS 60123
847-742-5959

VILLAGE OF BEACH PARK
BEACH ROAD
BEACH PARK, ILLINOIS

PAVEMENT MARKING PLAN

SCALE: 1" = 20' SHEET NO. 31 OF 47 SHEETS STA. 24+00 TO STA. 36+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	11-00012-00-PV	LAKE	47	31
CONTRACT NO. 63683				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



RHMG JOB NO 21108030

DESIGNED -	CMP	REVISED -	2/6/12
DRAWN -	NAT	REVISED -	2/22/12
CHECKED -	BWM	REVISED -	
DATE -	12/7/11	REVISED -	

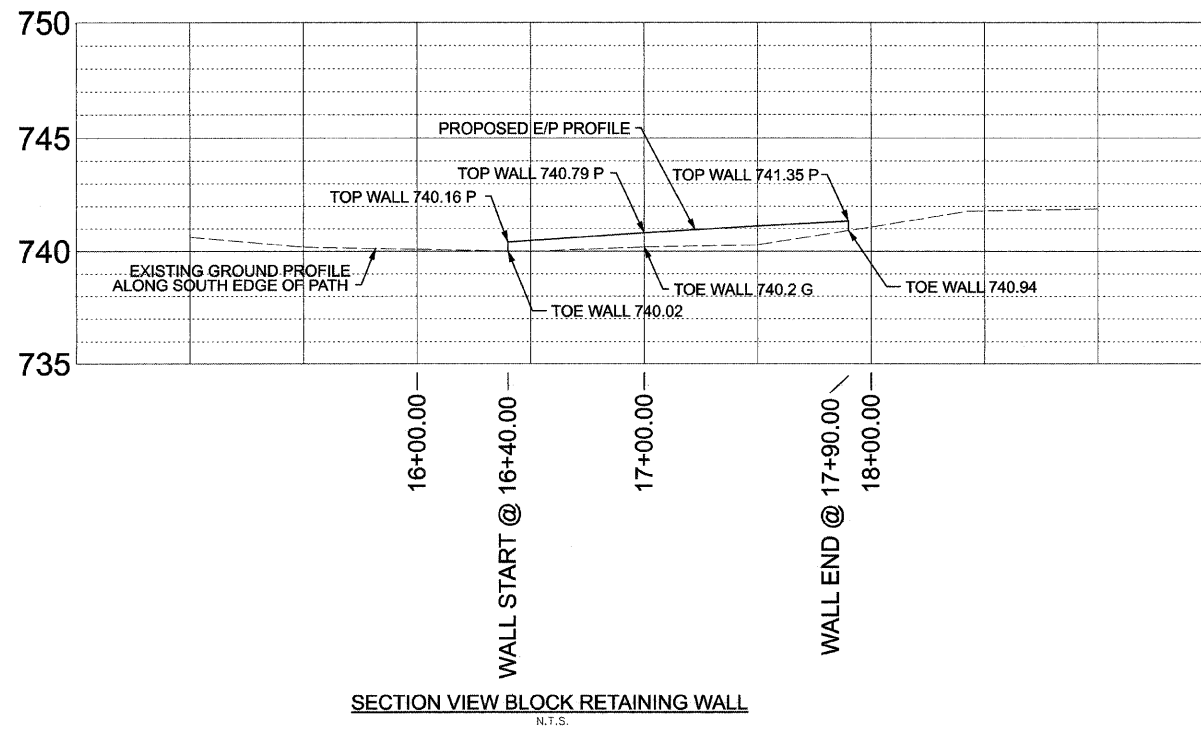
RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC.
 CONSULTING ENGINEERS
 975 CAMPUS DRIVE
 MUNDELEIN, ILLINOIS 60060
 847-362-6369
 536 TOLLWAY RD. SUITE F
 ELGIN, ILLINOIS 60123
 847-742-6369

VILLAGE OF BEACH PARK
 BEACH ROAD
 BEACH PARK, ILLINOIS

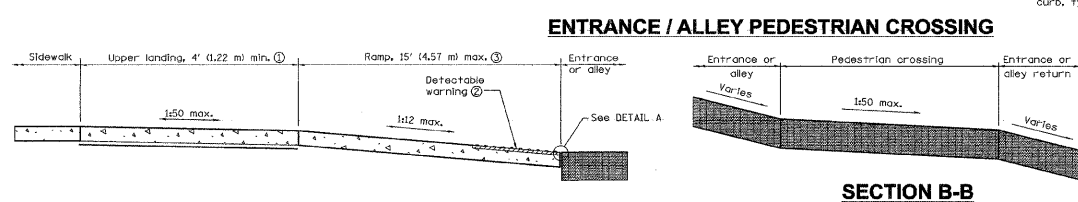
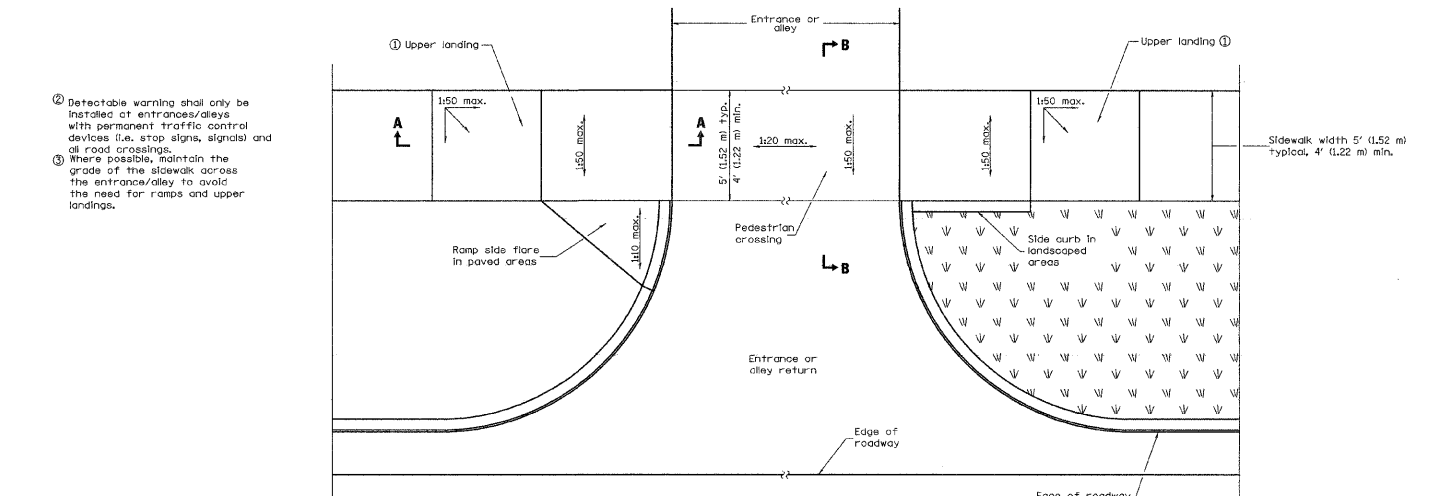
PAVEMENT MARKING PLAN
 SCALE: 1" = 20'
 SHEET NO. 32 OF 47 SHEETS | STA. 36+00 TO STA. 45+68.39

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	11-00012-00-PV	LAKE	47	32
CONTRACT NO. 63683				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	



SECTION VIEW BLOCK RETAINING WALL
N.T.S.

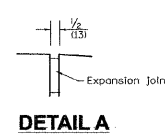


SECTION A-A

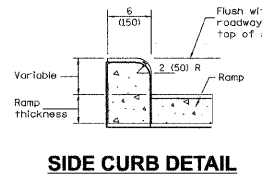
SECTION B-B

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
All dimensions are in inches (millimeters) unless otherwise shown.

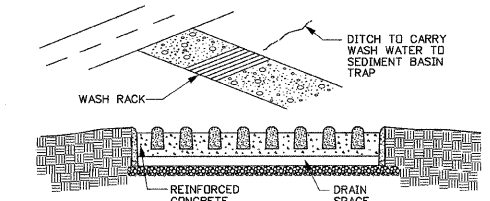


DETAIL A

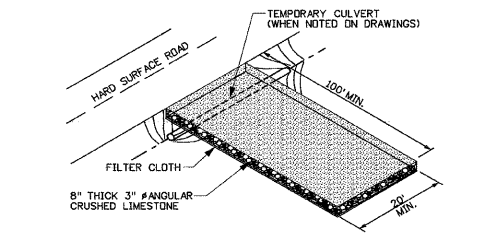


SIDE CURB DETAIL

PROFILE	SURVEYED	DATE
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	NOTED	
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	NO.	

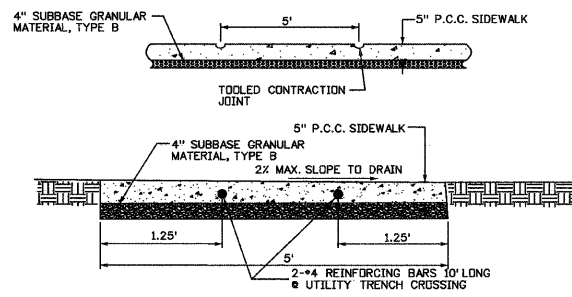


CONSTRUCTION ENTRANCE WITH WASH RACK



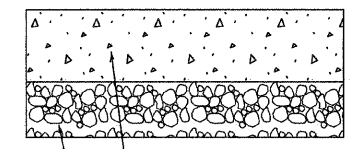
STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

NOTE:
1. A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA.
2. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT INTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED INTO PUBLIC RIGHTS-OF-WAY ETC. MUST BE REMOVED IMMEDIATELY AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
3. FILTER CLOTH - WILL BE PLACE OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
4. WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE INTO PUBLIC RIGHTS-OF-WAY. WHEN A WASH RACK IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE. CONSTRUCTION ENTRANCES SHALL INCLUDE A WASH RACK WHERE NOTED ON DRAWINGS, OR WHEN NECESSARY.
5. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
6. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN STABILIZED GRAVEL CONSTRUCTION ENTRANCE AT ALL LOCATIONS NOTED ON THE PLANS (COST INCIDENTAL).
7. REMOVE STABILIZATION GRAVEL ENTRANCE AT TIME OF FINAL RESTORATION. REMOVE TEMPORARY CULVERT (IF INSTALLED) AND REGRADE TO ORIGINAL CONDITIONS AND/OR AS NOTED ON DRAWINGS (COST INCIDENTAL).

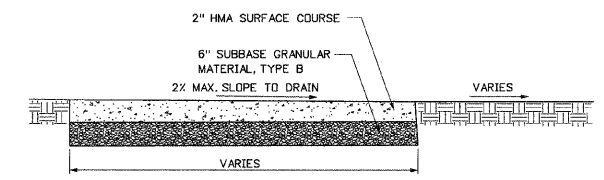


CONCRETE SIDEWALK
N.T.S.

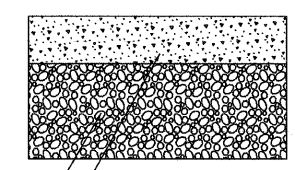
GENERAL NOTES:
1. SLAB OR PANEL CONTRACTION (CONTROL) JOINTS SHALL BE AS FOLLOWS:
FOR 4' SIDEWALK WIDTH = 6' O.C. JOINT SPACING
5' SIDEWALK WIDTH = 5' O.C. JOINT SPACING
6' SIDEWALK WIDTH = 6' O.C. JOINT SPACING
8' SIDEWALK WIDTH = 8' O.C. JOINT SPACING
2. TRANSVERSE EXPANSION JOINTS SHALL CONSIST OF PREFORMED JOINT FILLER OF THICKNESS AS FOLLOWS:
1/2" BETWEEN SIDEWALK AND STRUCTURES, STANDARDS, POLES 3/4" AT SIDEWALK INTERVALS OF NOT MORE THAN 50 FEET & BUTTING CONCRETE CURBING OR PAVEMENT.
3. IF EXCAVATION OR UNDERCUTTING OF SUBGRADE HAS BEEN DEEPER THAN NECESSARY, THE BASE SHALL BE BROUGHT TO PROPER GRADE BY THE ADDITION OF WELL COMPACTED BEDDING MATERIAL WITHOUT ANY EXTRA COMPENSATION DUE THE CONTRACTOR.



TYPICAL CONCRETE DRIVEWAY PAVEMENT SECTION
N.T.S.



RECREATIONAL PATH
N.T.S.

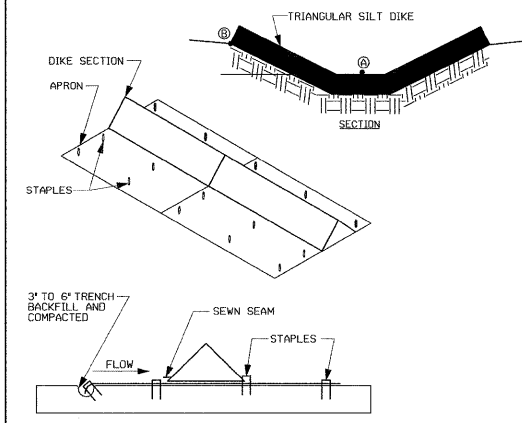


TYPICAL BITUMINOUS DRIVEWAY PAVEMENT SECTION
N.T.S.

RHMG JOB NO 21108030	DESIGNED - CMP	REVISED - 2/6/12	RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC. CONSULTING ENGINEERS 975 CAMPUS DRIVE MUNDELEN, ILLINOIS 60060 847-362-6969 535 TOLLWAY RD. SUITE F ELGIN, ILLINOIS 60123 847-742-6969	VILLAGE OF BEACH PARK BEACH ROAD BEACH PARK, ILLINOIS	CONSTRUCTION DETAILS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - NAT	REVISED - 2/22/12			1210	11-00012-00-PV	LAKE	47	33		
	CHECKED - BWM	REVISED -			SCALE: N.T.S.	SHEET NO. 33 OF 47	SHEETS STA.	TO STA.	CONTRACT NO. 63683		
	DATE - 12/7/11	REVISED -						FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			

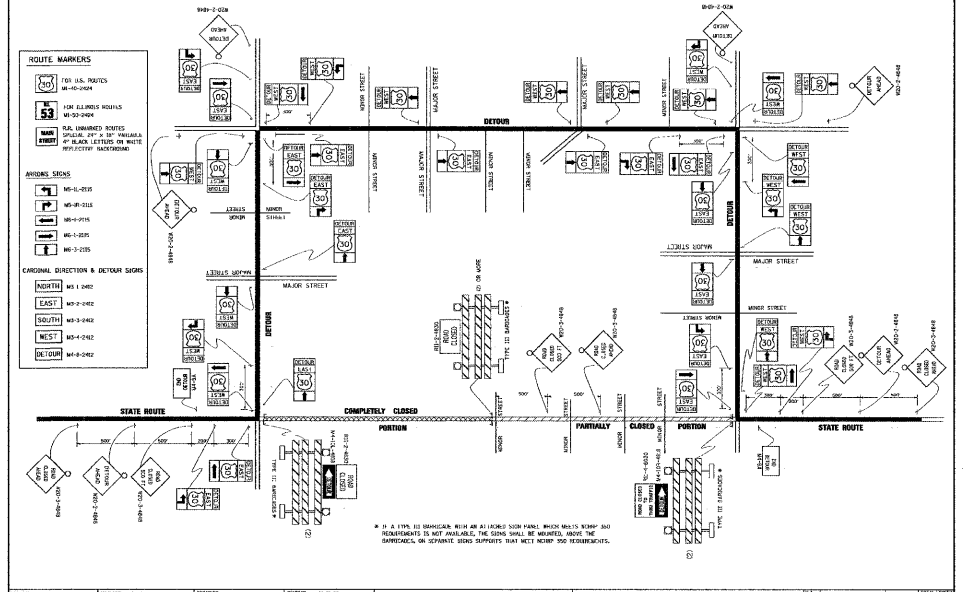
PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

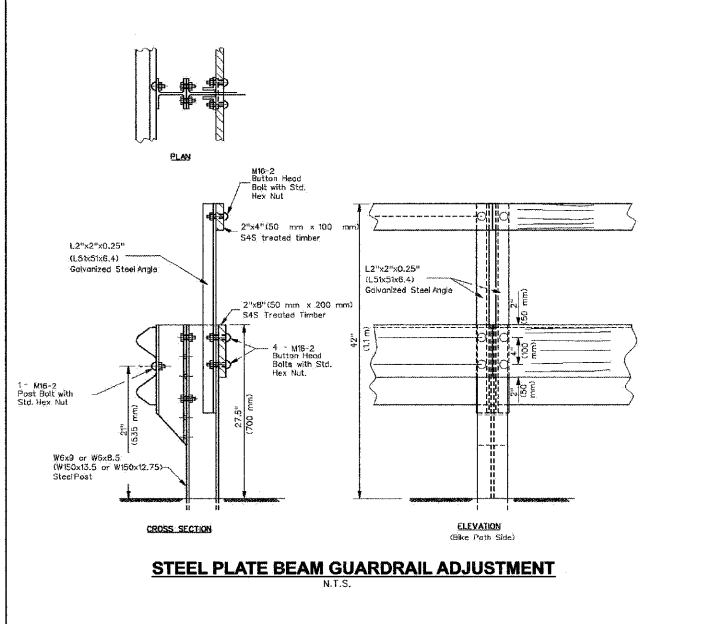


TRIANGULAR SILT DIKE
N.T.S.

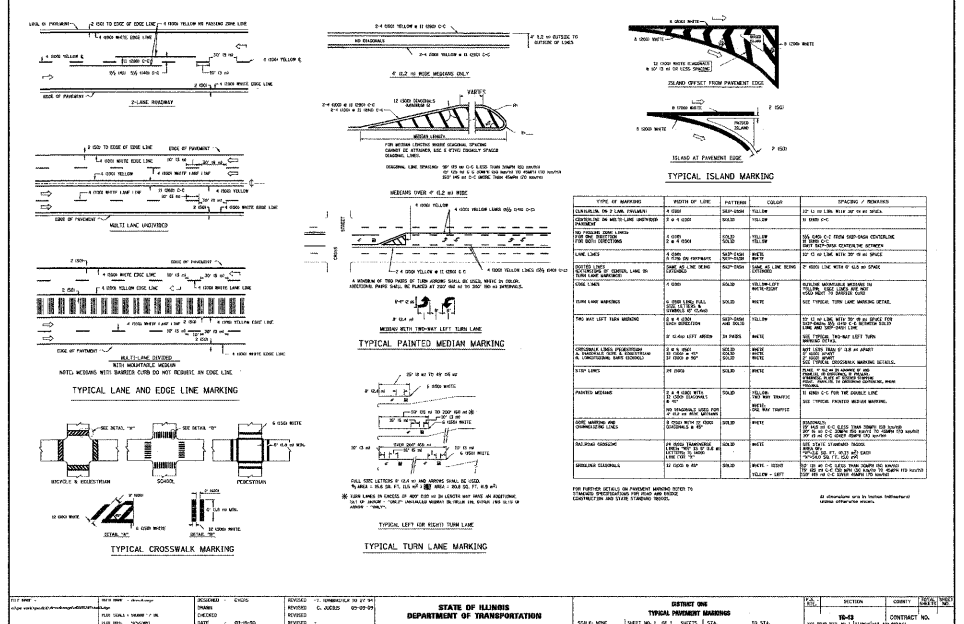
- NOTES:
1. TRIANGULAR SILT DIKES OR APPROVED EQUAL SHALL BE INSTALLED AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY THE OWNER OR ENGINEER.
 2. TRIANGULAR SILT DIKES SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
 3. ELEVATION OF POINT (A) SHALL NEVER EXCEED ELEVATION OF POINT (B).



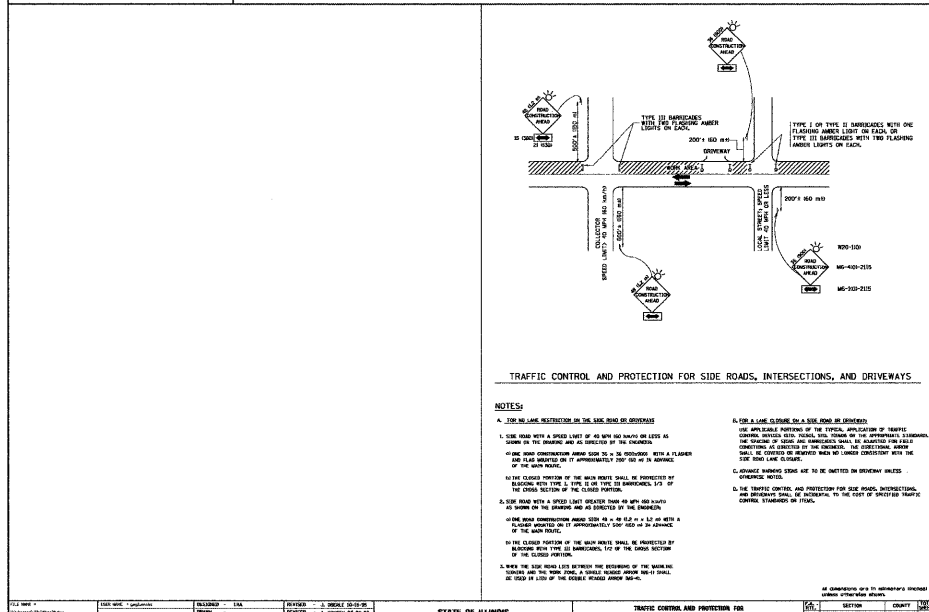
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
DESIGN SHEET FOR BRIDGE OVER RIVER



STEEL PLATE BEAM GUARDRAIL ADJUSTMENT
N.T.S.

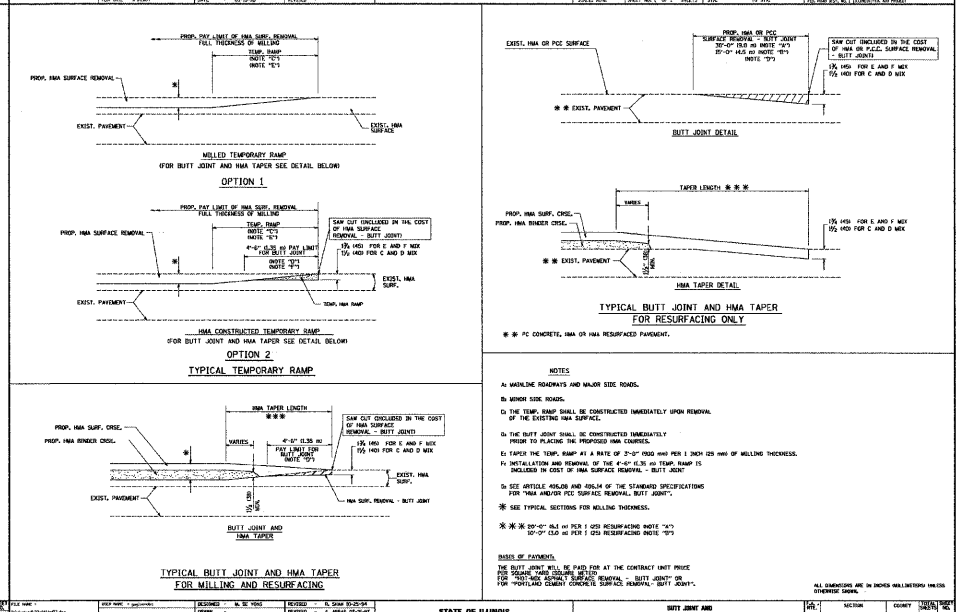


STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
DESIGN SHEET FOR BRIDGE OVER RIVER



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

- NOTES:
1. USE THE LANE DESIGNATION ON THE SIDE ROAD OR DRIVEWAY.
 2. USE THE LANE DESIGNATION ON THE SIDE ROAD OR DRIVEWAY.
 3. USE THE LANE DESIGNATION ON THE SIDE ROAD OR DRIVEWAY.
 4. USE THE LANE DESIGNATION ON THE SIDE ROAD OR DRIVEWAY.
 5. USE THE LANE DESIGNATION ON THE SIDE ROAD OR DRIVEWAY.
 6. USE THE LANE DESIGNATION ON THE SIDE ROAD OR DRIVEWAY.
 7. USE THE LANE DESIGNATION ON THE SIDE ROAD OR DRIVEWAY.
 8. USE THE LANE DESIGNATION ON THE SIDE ROAD OR DRIVEWAY.
 9. USE THE LANE DESIGNATION ON THE SIDE ROAD OR DRIVEWAY.
 10. USE THE LANE DESIGNATION ON THE SIDE ROAD OR DRIVEWAY.



TYPICAL TEMPORARY RAMP
TYPICAL BITT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

- NOTES:
1. WORKING HEADWAYS AND WALKER SIDE ROADS.
 2. WORKER SIDE ROADS.
 3. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 4. THE BITT JOINT SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 5. THE BITT JOINT SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 6. THE BITT JOINT SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 7. THE BITT JOINT SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 8. THE BITT JOINT SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 9. THE BITT JOINT SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 10. THE BITT JOINT SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

DESIGNED	-	CMP	REVISED	-	2/6/12
DRAWN	-	NAT	REVISED	-	2/22/12
CHECKED	-	BWM	REVISED	-	
DATE	-	12/7/11	REVISED	-	

RHMG REZEK, HENRY, MEISENHEIMER, and GENDE, INC.
CONSULTING ENGINEERS
775 CAMPUS DRIVE
MUNDELEIN, ILLINOIS 60060
847-362-5999

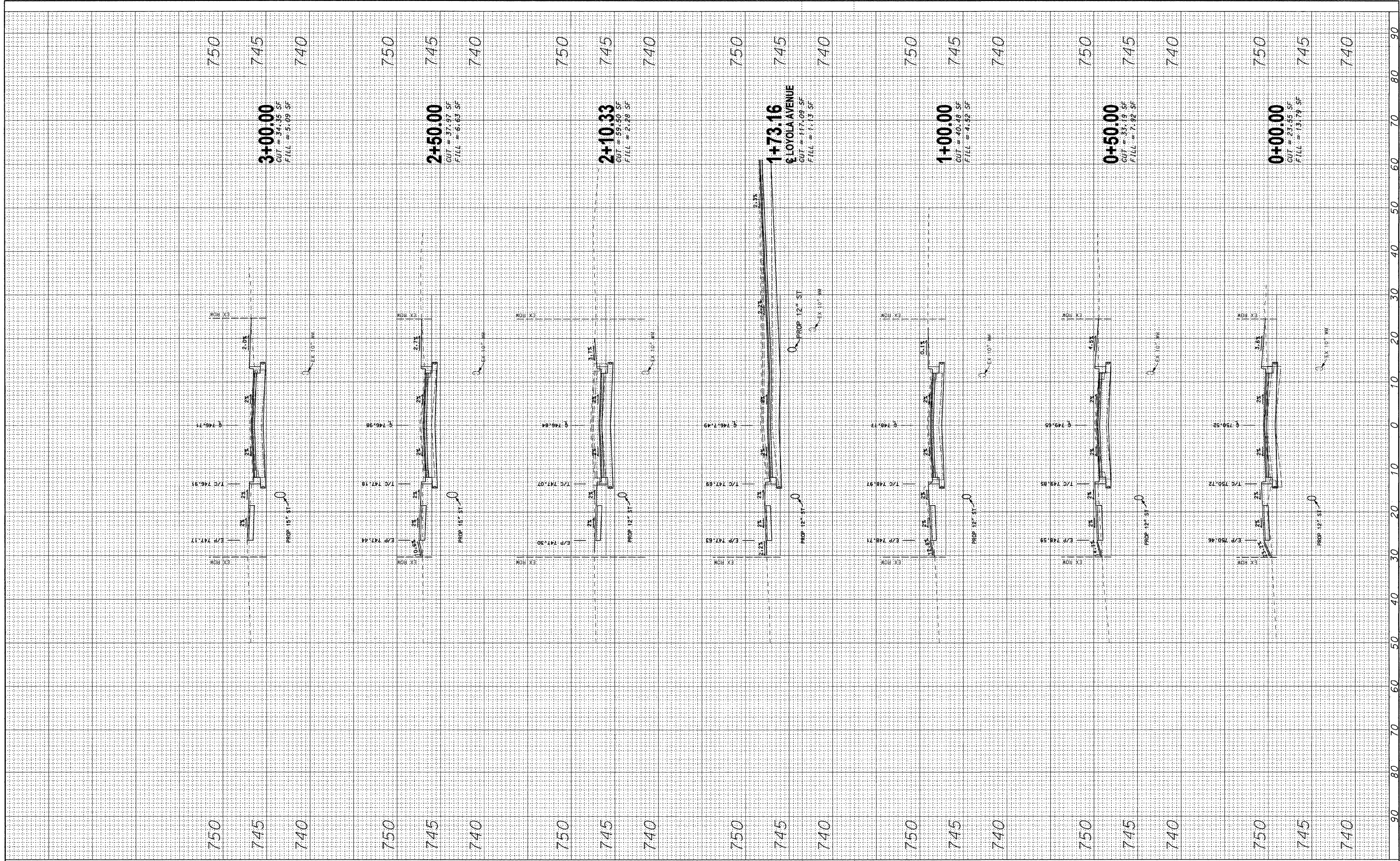
VILLAGE OF BEACH PARK
BEACH ROAD
BEACH PARK, ILLINOIS

CONSTRUCTION DETAILS
SCALE: N.T.S. SHEET NO. 34 OF 47 SHEETS STA. TO STA.

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	11-00012-00-PV	LAKE	47	34
CONTRACT NO. 63683				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

FINAL SURVEY SURVEYED BY DATE
 PLOTTED BY DATE
 TEMPLATE NO. BY DATE
 AREAS CHECKED

ORIGINAL SURVEY SURVEYED BY DATE
 PLOTTED BY DATE
 TEMPLATE NO. BY DATE
 AREAS CHECKED



RHMG JOB NO 21108030

DESIGNED - CMP	REVISED - 2/6/12
DRAWN - NAT	REVISED - 2/22/12
CHECKED - BWM	REVISED -
DATE - 12/7/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY CROSS SECTIONS

SCALE: V: 1"=5' H: 1"=10'
 STA. 0+00.00 TO STA. 3+00.00

F.A.U. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 35
CONTRACT NO. 63683				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

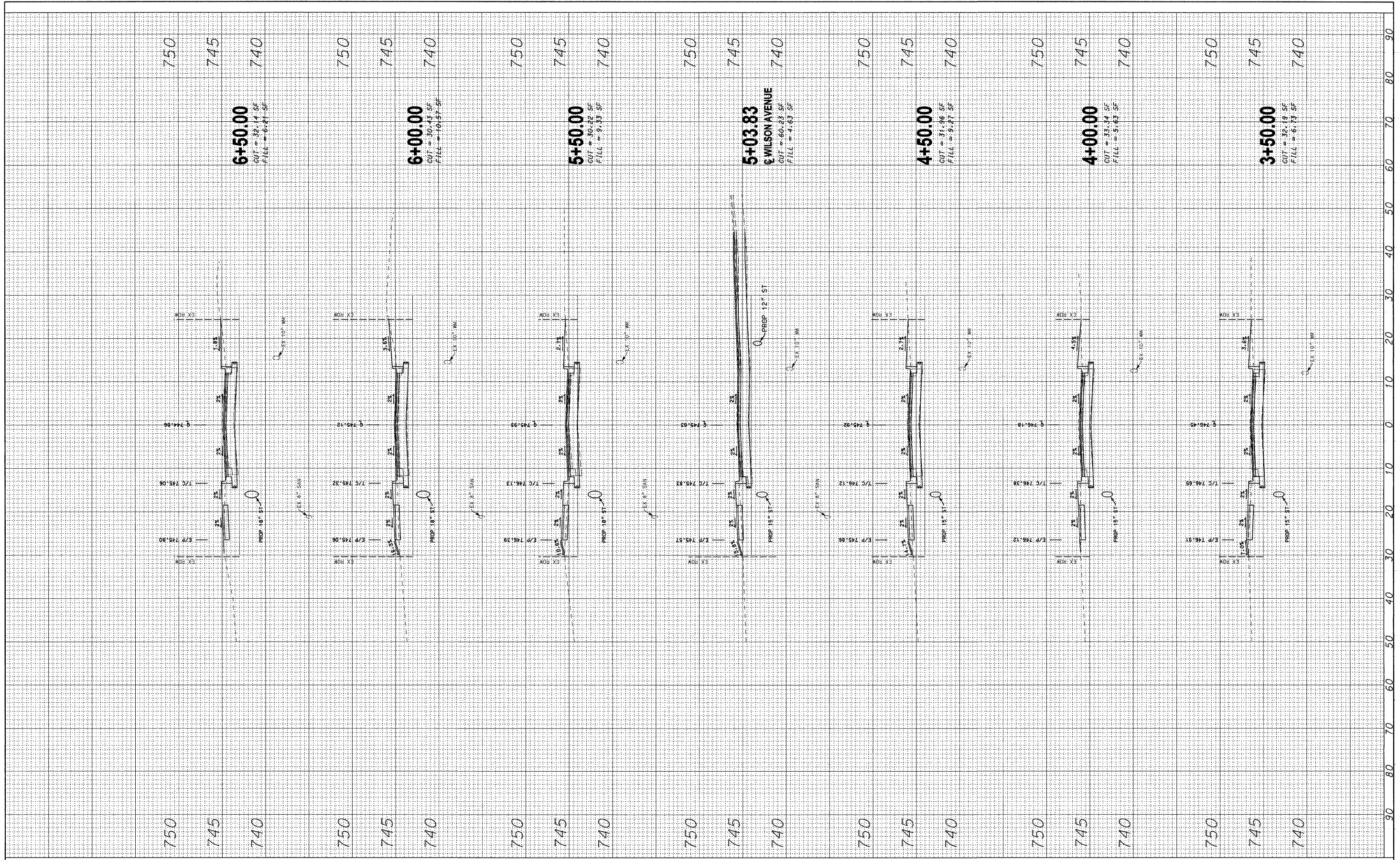
BY: _____ DATE: _____

NO. _____

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

BY: _____ DATE: _____

NO. _____



RHMG JOB NO 21108030

DESIGNED - CMP	REVISED - 2/6/12
DRAWN - NAT	REVISED - 2/22/12
CHECKED - BWM	REVISED -
DATE - 12/7/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY CROSS SECTIONS

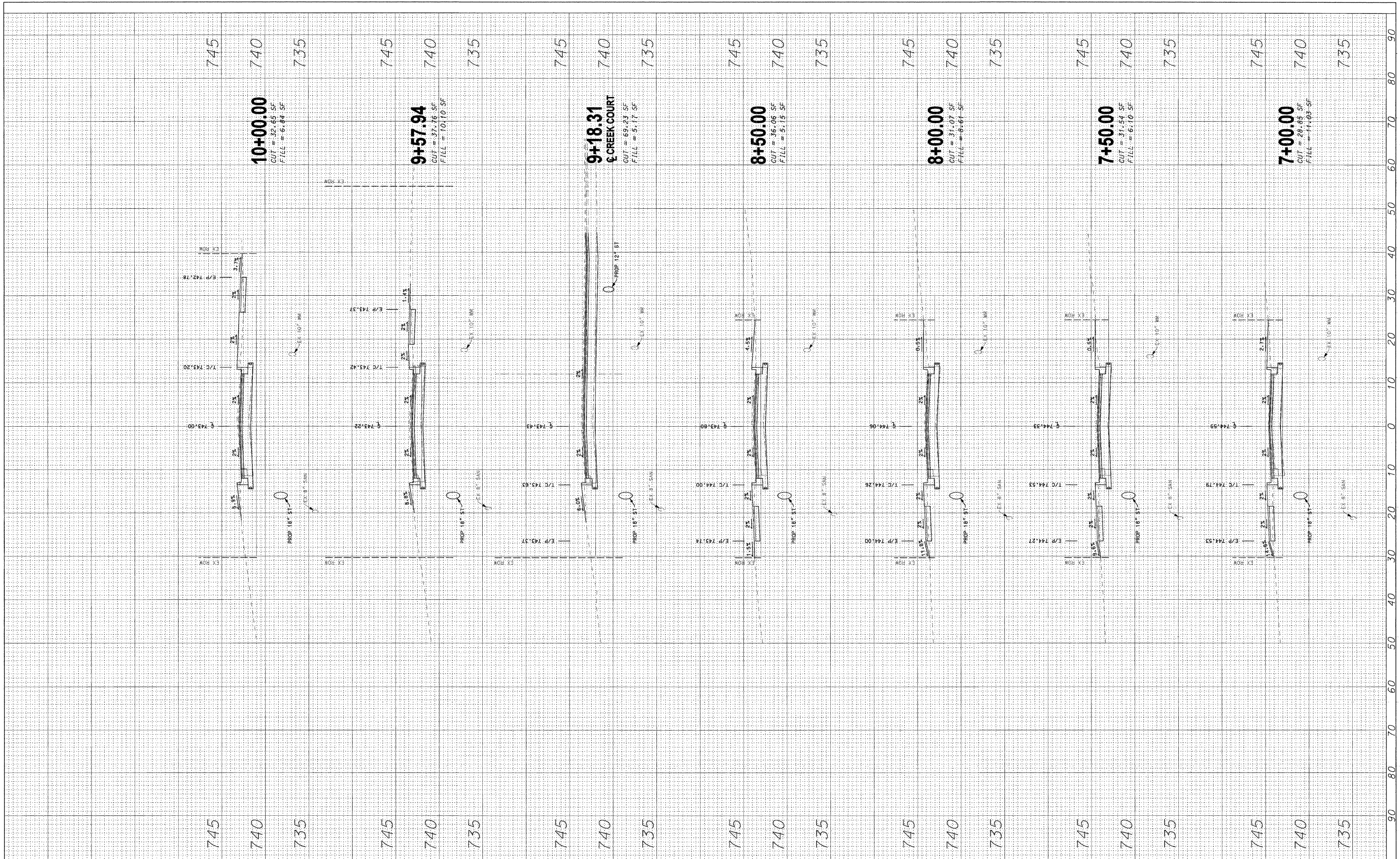
SCALE: V_t 1"=5' H_t 1"=10'

STA. 3+50.00 TO STA. 6+50.00

F.A.U. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 36
CONTRACT NO. 63683				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINISHED	DATE
SURVEY	BY
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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



RHMG JOB NO 21108030

DESIGNED	-	CMP	REVISED	-	2/6/12
DRAWN	-	NAT	REVISED	-	2/22/12
CHECKED	-	BWM	REVISED	-	
DATE	-	12/7/11	REVISED	-	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY CROSS SECTIONS

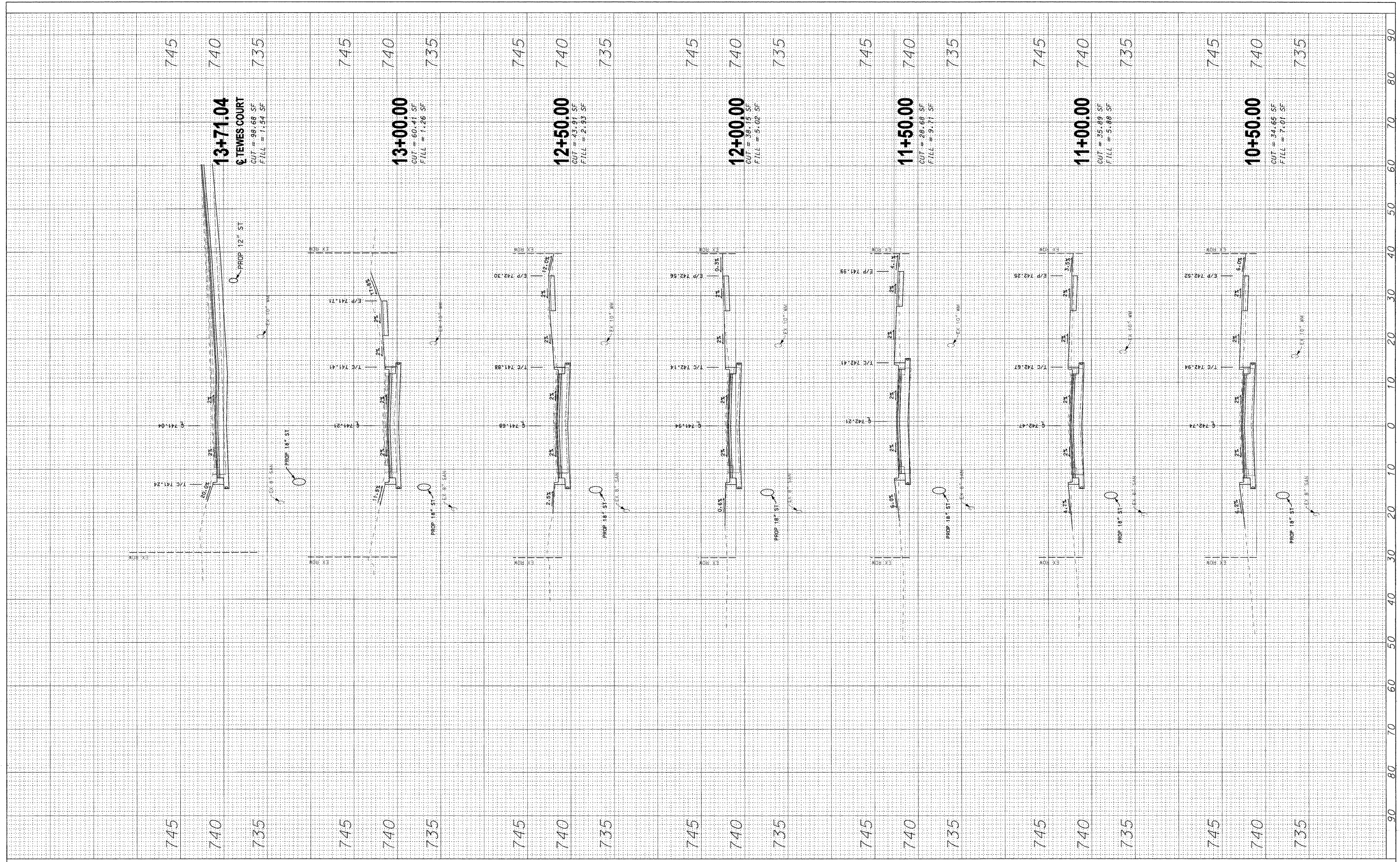
SCALE: V: 1"=5' H: 1"=10'

STA. 7+00.00 TO STA. 10+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1210	11-00012-00-PV	LAKE	47	37
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63683	

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

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



RHMG JOB NO 21108030

DESIGNED - CMP	REVISED - 2/6/12
DRAWN - NAT	REVISED - 2/22/12
CHECKED - BWM	REVISED -
DATE - 12/7/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY CROSS SECTIONS
 SCALE: V: 1"=5' H: 1"=10'
 STA. 10+50.00 TO STA. 13+71.04

F.A.U. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 38
CONTRACT NO. 63883				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

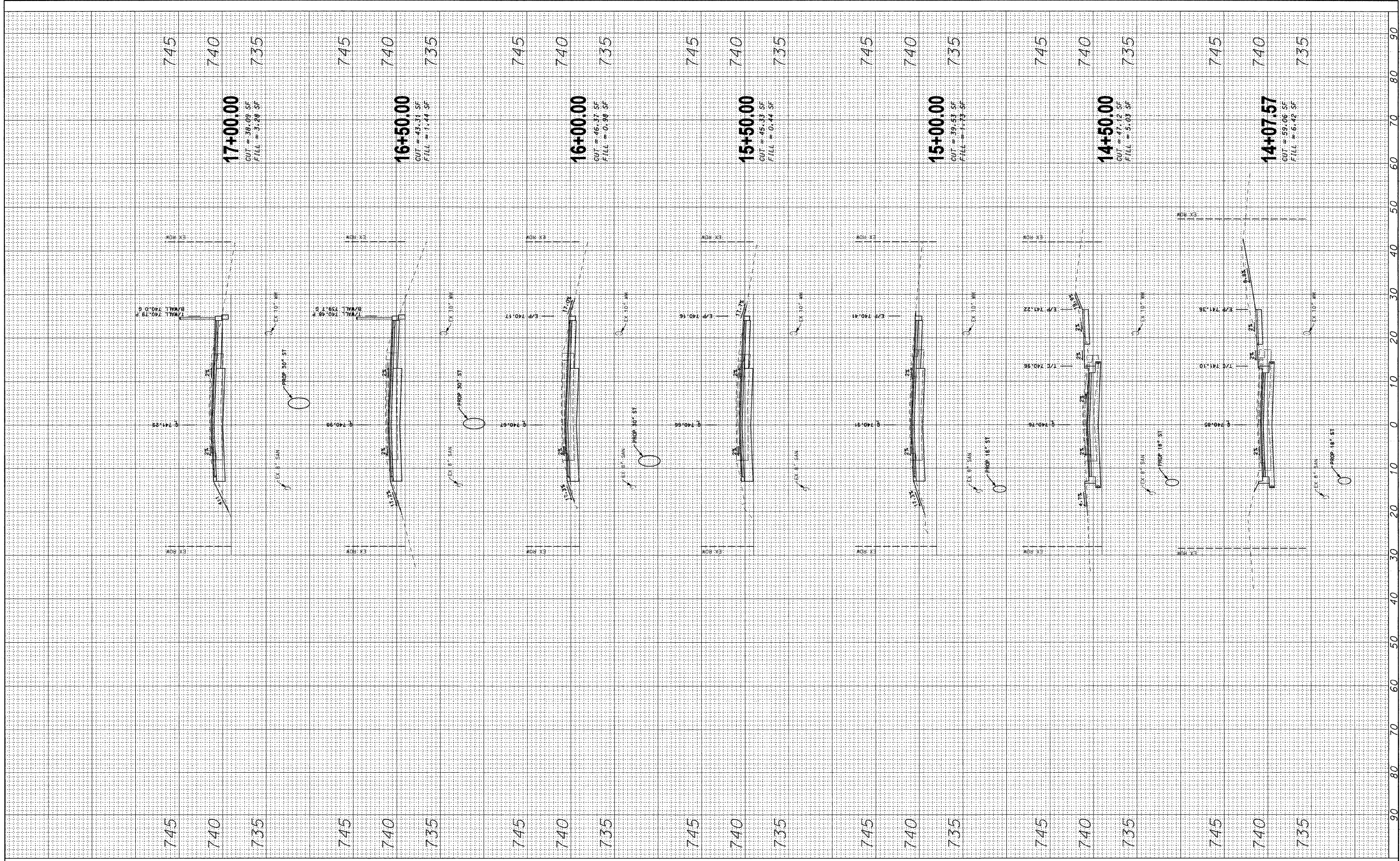
BY: _____ DATE: _____

NO. _____

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

BY: _____ DATE: _____

NO. _____



RHMG JOB NO 21108030

DESIGNED - CMP	REVISED - 2/6/12
DRAWN - NAT	REVISED - 2/22/12
CHECKED - BWM	REVISED -
DATE - 12/7/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

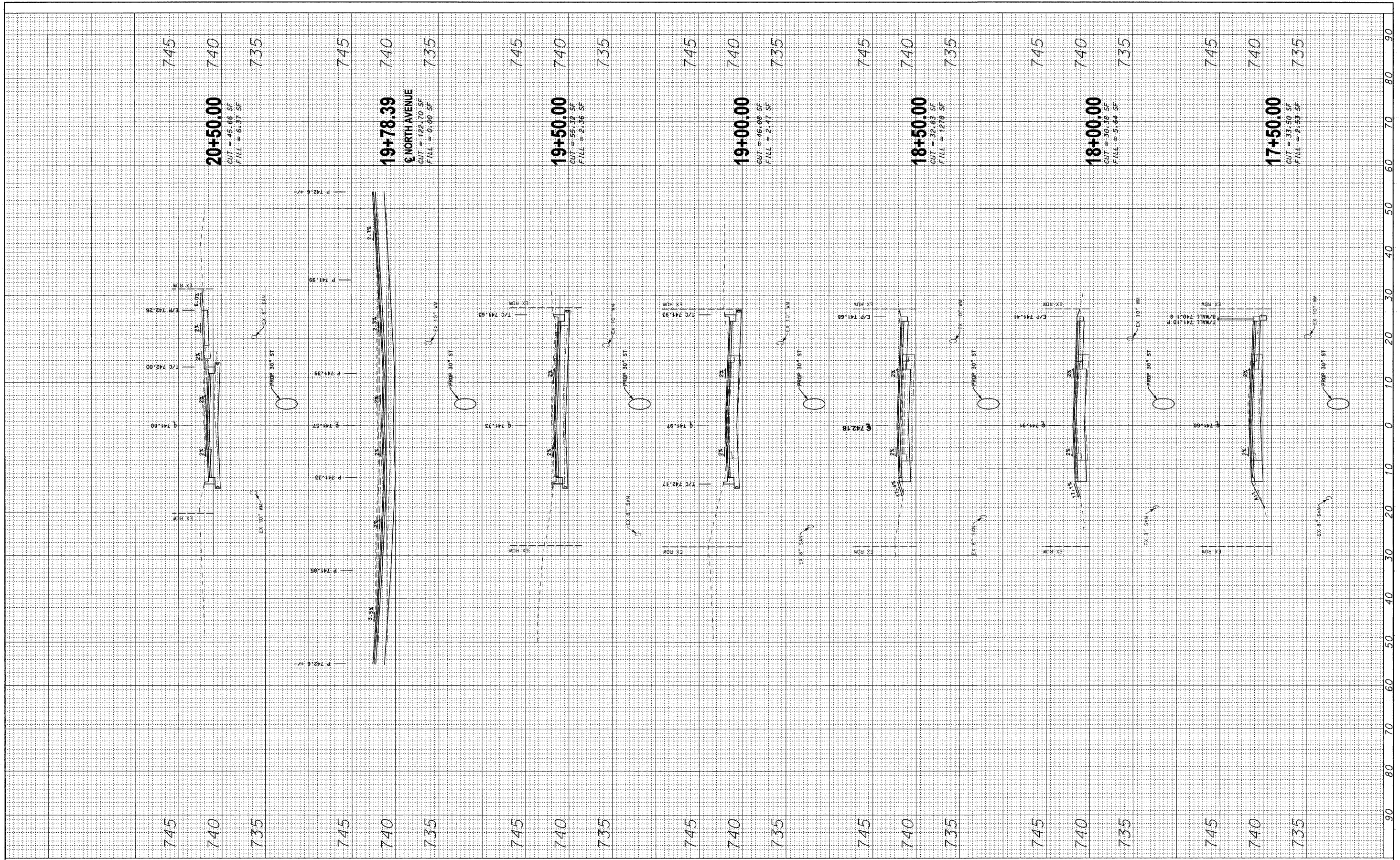
ROADWAY CROSS SECTIONS

SCALE: V: 1"=5' H: 1"=10' STA. 14+07.57 TO STA. 17+00.00

F.A.U. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 39
CONTRACT NO. 63683				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY SUPERVIEWED BY DATE
 PLOTTED TEMPLATE
 NOTE BOOK NO.
 AREAS CHECKED

ORIGINAL SURVEY SUPERVIEWED BY DATE
 PLOTTED TEMPLATE
 NOTE BOOK NO.
 AREAS CHECKED



RHMG JOB NO 21108030

DESIGNED - CMP	REVISED - 2/6/12
DRAWN - NAT	REVISED - 2/22/12
CHECKED - BWM	REVISED -
DATE - 12/7/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

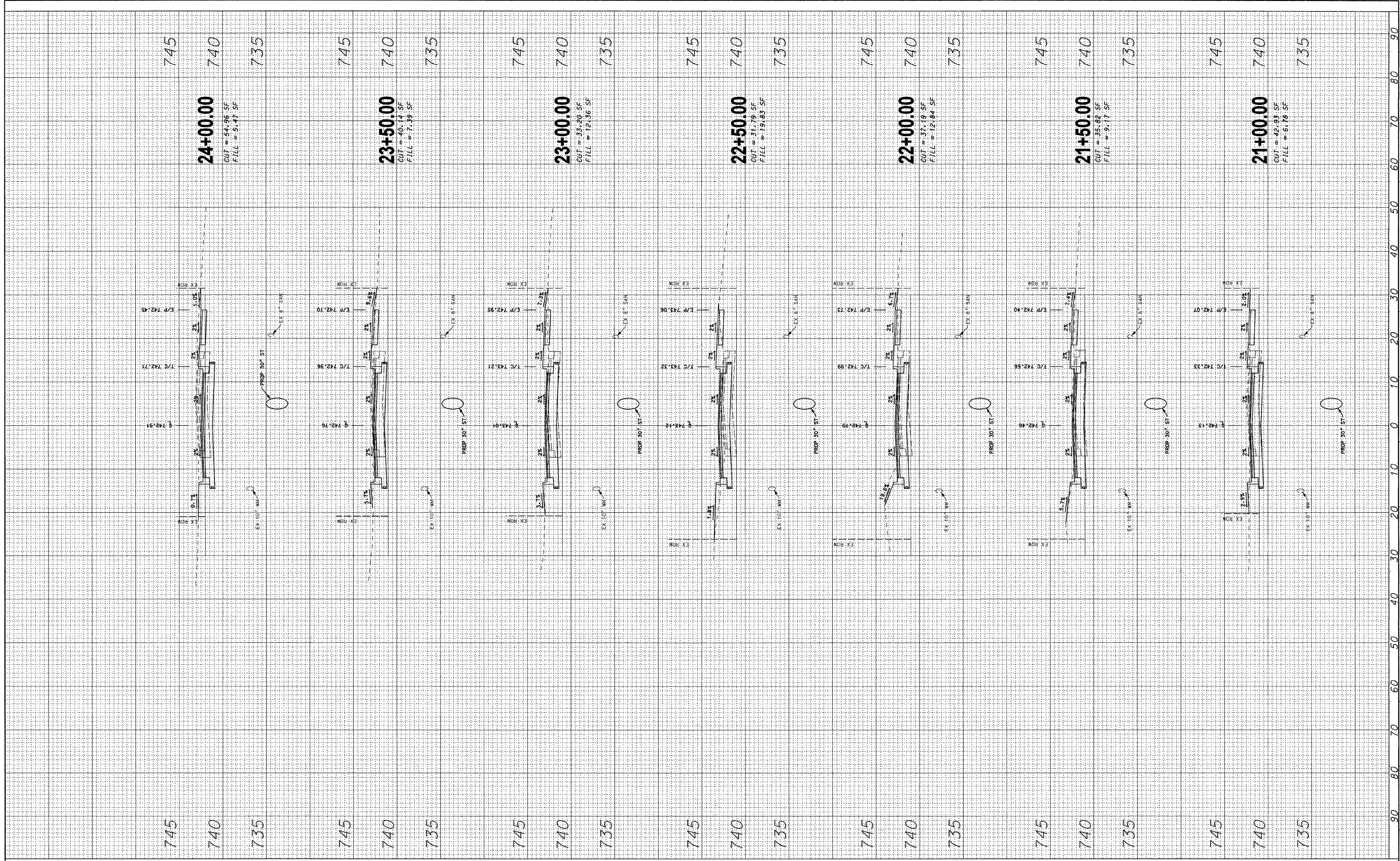
ROADWAY CROSS SECTIONS

SCALE: V: 1"=5' H: 1"=10'
 STA. 17+50.00 TO STA. 20+50.00

F.A.U. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 40
CONTRACT NO. 63683				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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



RHMG JOB NO 21108030

DESIGNED - CMP	REVISED - 2/6/12
DRAWN - NAT	REVISED - 2/22/12
CHECKED - BWM	REVISED -
DATE - 12/7/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY CROSS SECTIONS

SCALE: V: 1"=5' H: 1"=10'

STA. 21+00.00 TO STA. 24+00.00

F.A.U. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 41
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63683	

FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

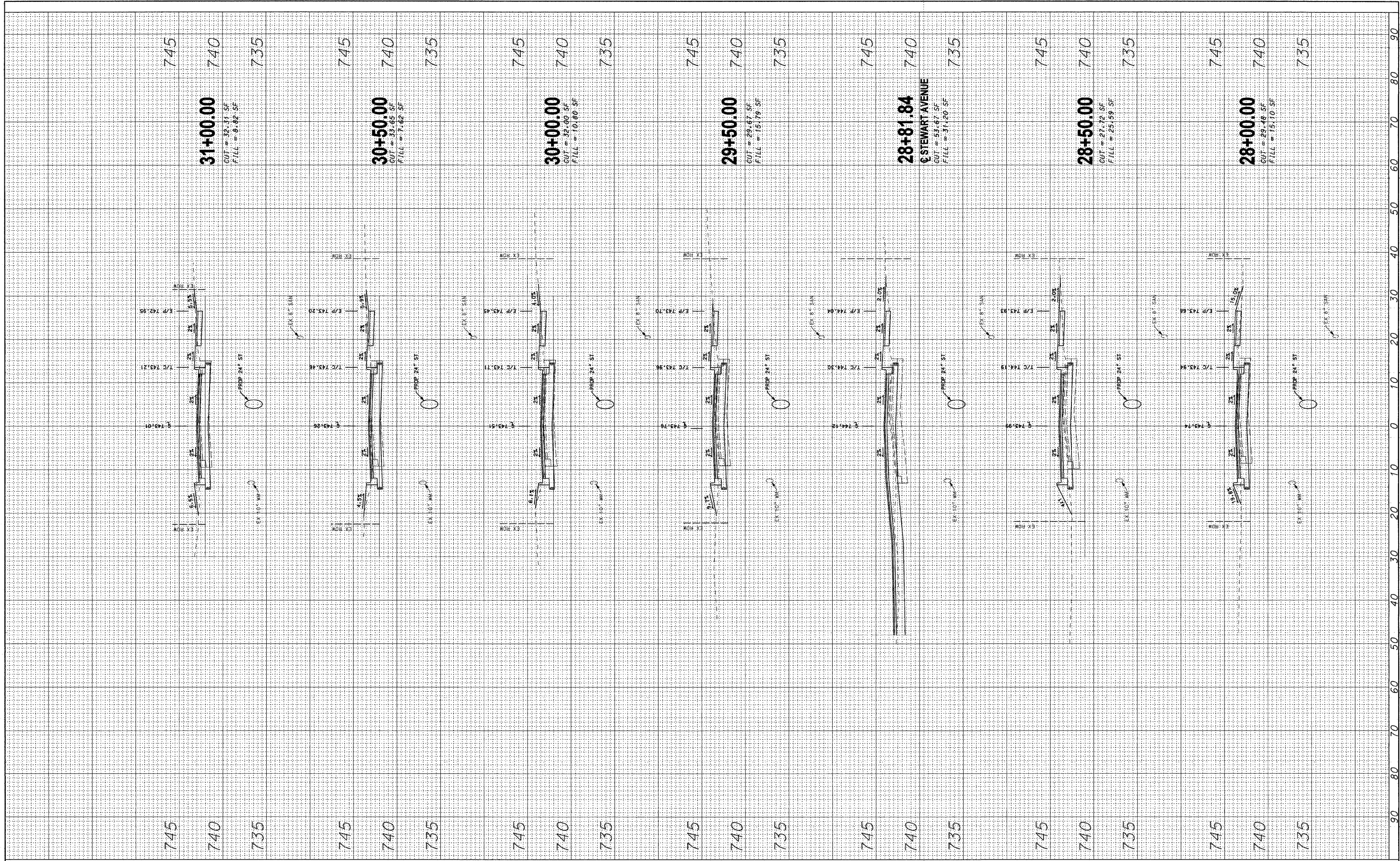
DATE _____ BY _____

NO. _____

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

DATE _____ BY _____

NO. _____



RHMG JOB NO 21108030

DESIGNED - CMP	REVISED - 2/6/12
DRAWN - NAT	REVISED - 2/22/12
CHECKED - BWM	REVISED -
DATE - 12/7/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY CROSS SECTIONS

SCALE: V: 1"=5' H: 1"=10' STA. 28+00.00 TO STA. 31+00.00

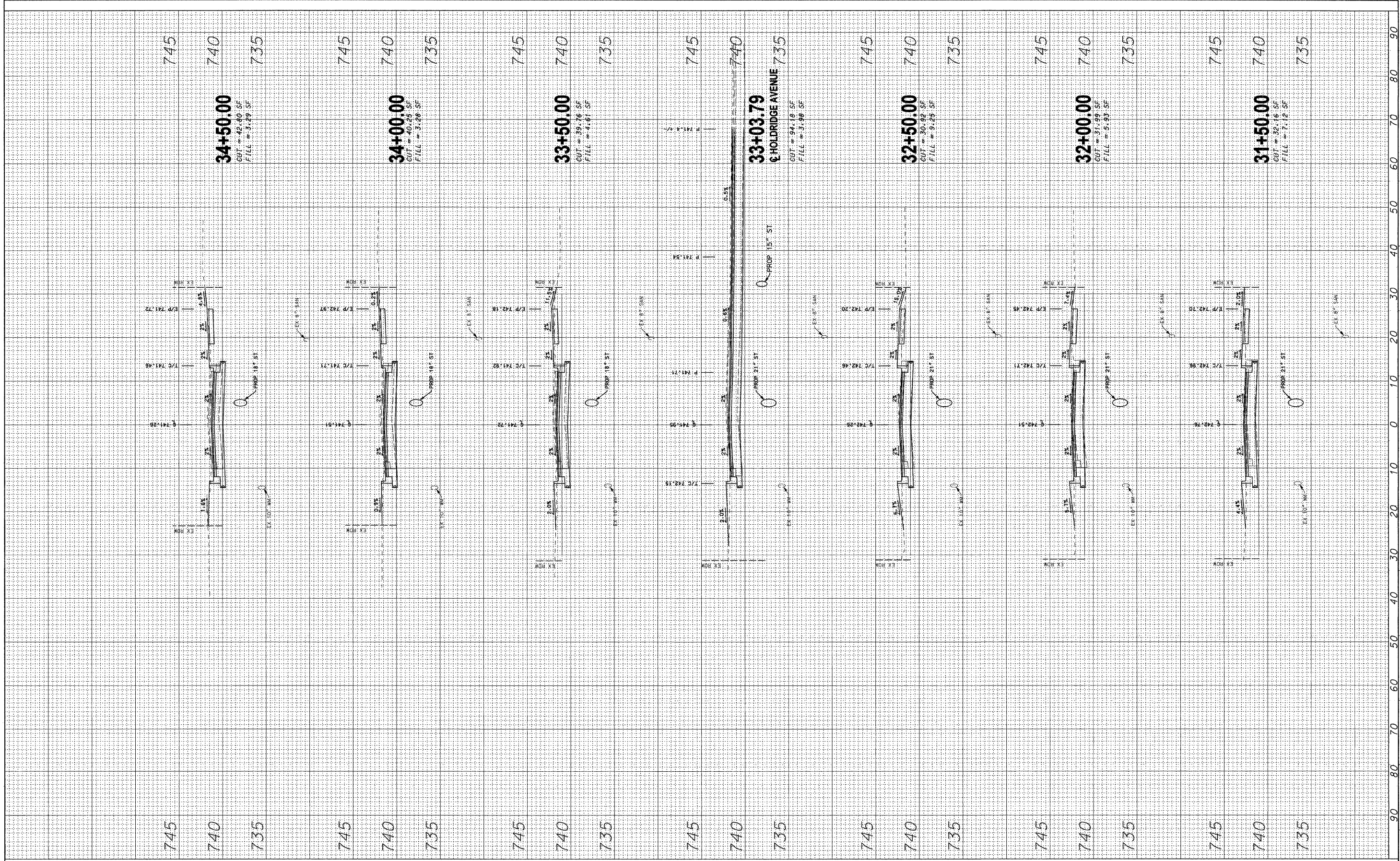
F.A.U. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 43
CONTRACT NO. 63683				
FED. ROAD DIST. NO. ILLINOIS/FED. AID PROJECT				

FINAL SURVEY SHOWN PLOTTED TEMPLATE NOTE BOOK NO. AREAS CHECKED

BY _____ DATE _____

ORIGINAL SURVEY SHOWN PLOTTED TEMPLATE NOTE BOOK NO. AREAS CHECKED

BY _____ DATE _____



RHMG JOB NO 21108030

DESIGNED - CMP	REVISED - 2/6/12
DRAWN - NAT	REVISED - 2/22/12
CHECKED - BWM	REVISED -
DATE - 12/7/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY CROSS SECTIONS

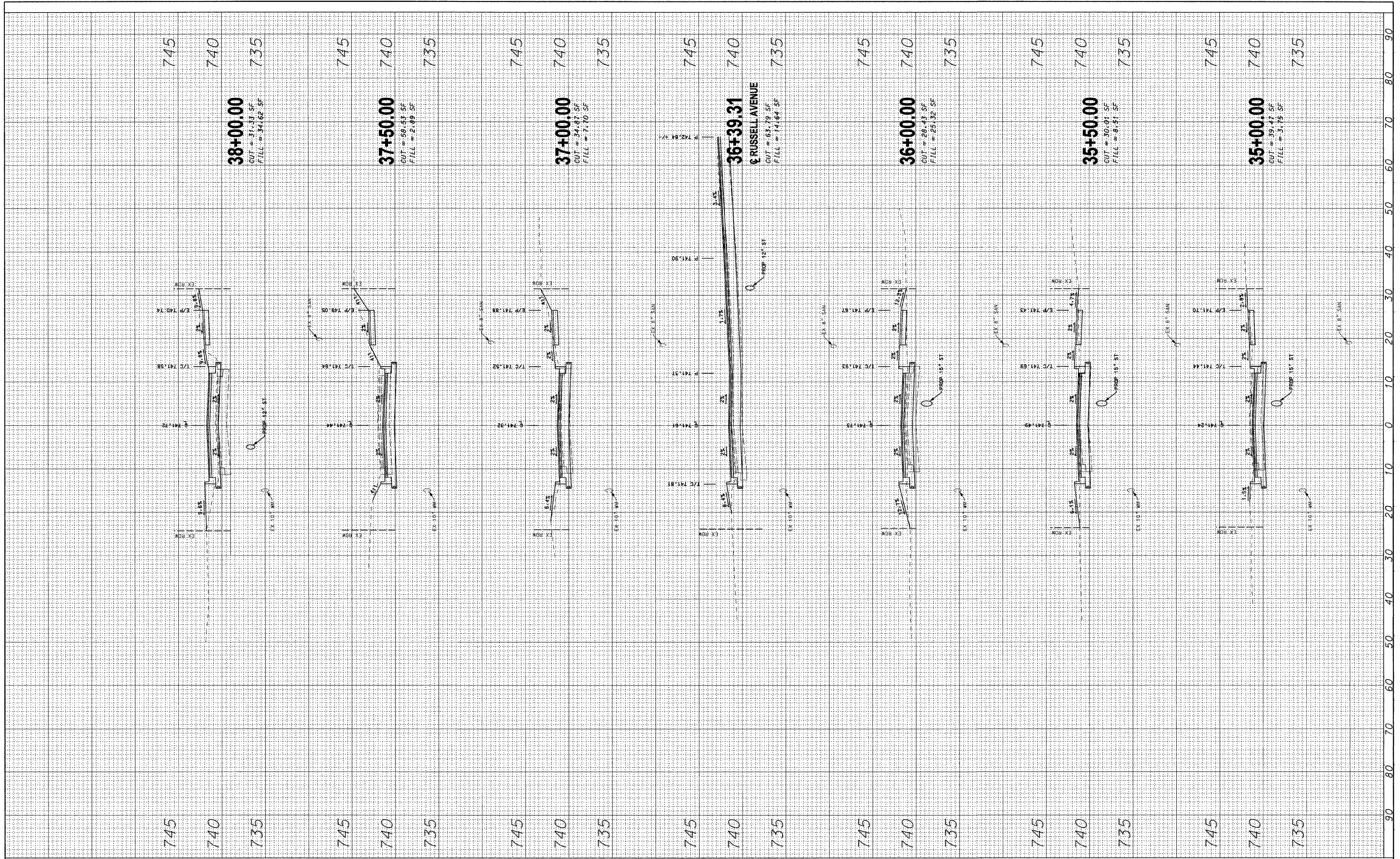
SCALE: V₁ 1"=5' H₁ 1"=10'

STA. 31+50.00 TO STA. 34+50.00

F.A.J. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 44
CONTRACT NO. 63683				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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



RHMG JOB NO 21108030

DESIGNED - CMP	REVISED - 2/6/12
DRAWN - NAT	REVISED - 2/22/12
CHECKED - BWM	REVISED -
DATE - 12/7/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY CROSS SECTIONS

SCALE: V: 1"=5' H: 1"=10'
 STA. 35+00.00 TO STA. 38+00.00

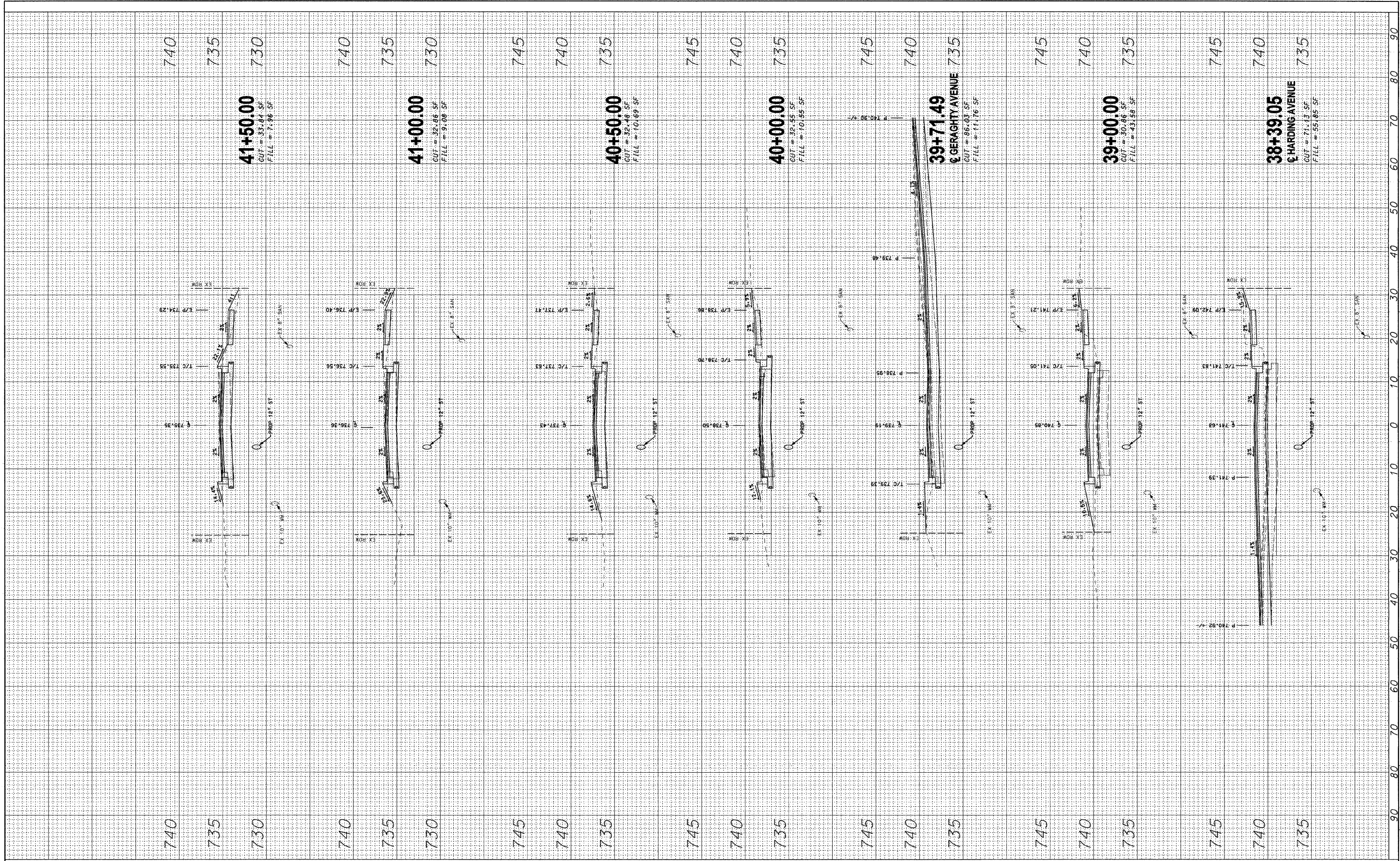
F.A.U. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 45
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63683	

FINAL SURVEY PLOTTED TEMPLATE NO. AREAS CHECKED

BY DATE

ORIGINAL SURVEY PLOTTED TEMPLATE NO. AREAS CHECKED

BY DATE



RHMG JOB NO 21108030

DESIGNED - CMP	REVISED - 2/6/12
DRAWN - NAT	REVISED - 2/22/12
CHECKED - BWM	REVISED -
DATE - 12/7/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY CROSS SECTIONS

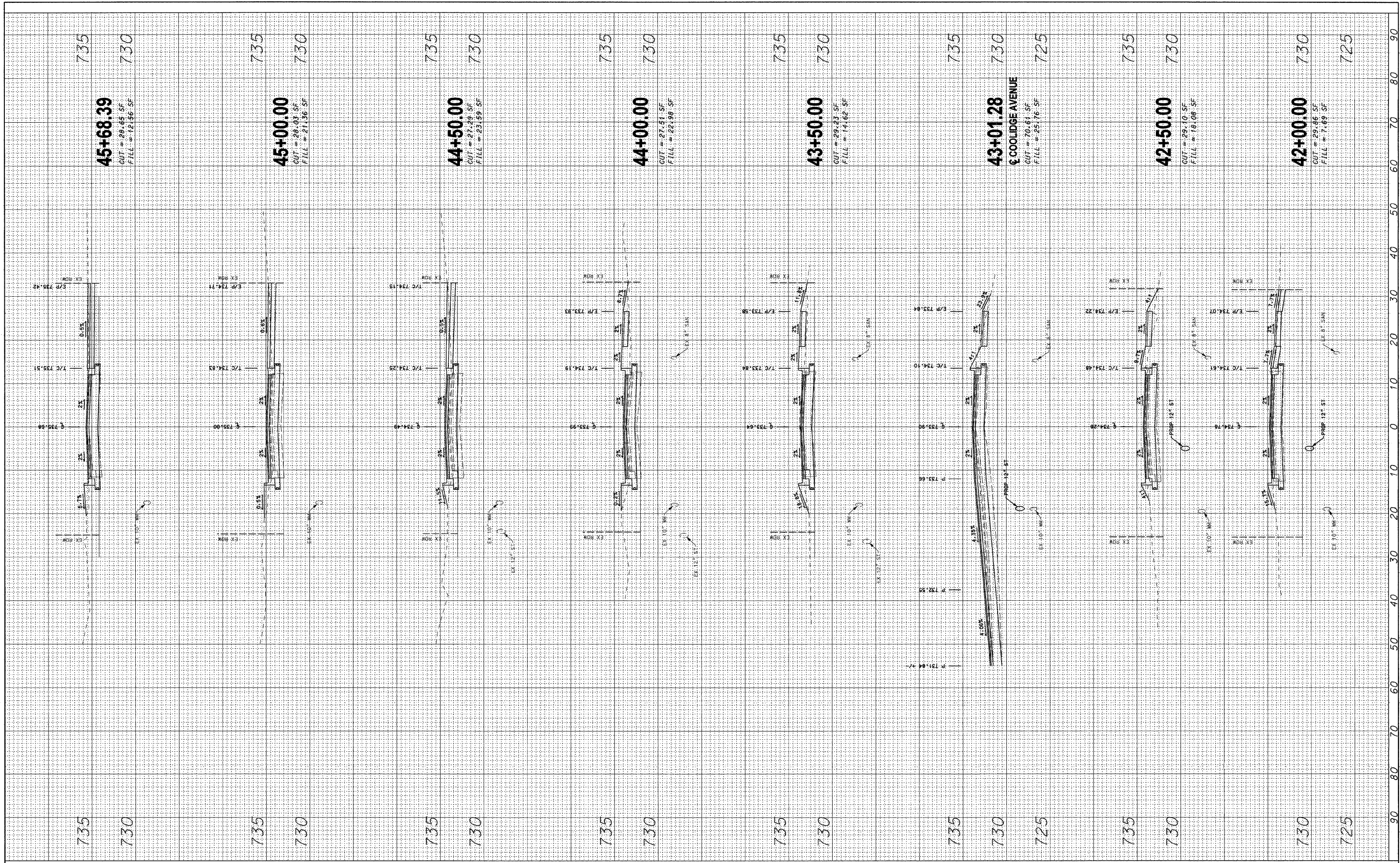
SCALE: V₂ 1"=5' H₂ 1"=10'

STA. 38+39.05 TO STA. 41+50.00

F.A.U. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 46
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63683	

FINAL SURVEY
 SURVEYED PLOTTED
 NOTE BOOK TEMPLATE
 NO. AREAS CHECKED

ORIGINAL SURVEY
 SURVEYED PLOTTED
 NOTE BOOK TEMPLATE
 NO. AREAS CHECKED



RHMG JOB NO 21108030

DESIGNED - CMP	REVISED - 2/6/12
DRAWN - NAT	REVISED - 2/22/12
CHECKED - BWM	REVISED -
DATE - 12/7/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY CROSS SECTIONS

SCALE: V: 1"=5' H: 1"=10'
 STA. 42+00.00 TO STA. 45+68.39

F.A.U. RTE. 1210	SECTION 11-00012-00-PV	COUNTY LAKE	TOTAL SHEETS 47	SHEET NO. 47
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63683	