

FOR LIST OF STANDARDS, SEE SHEET 2

DESIGN FUNCTIONAL CLASSIFICATION:

WASHINGTON STREET: ARTERIAL
CEMETERY ROAD: COLLECTOR
TRI STATE PARKWAY: COLLECTOR

DESIGN TRAFFIC:

WASHINGTON STREET: 31,469 (2026)
CEMETERY ROAD: 4,644 (2026)
TRI STATE PARKWAY: 21,645 (2026)

DESIGN SPEED:

WASHINGTON STREET: 45 MPH
CEMETERY ROAD: 30 MPH
TRI STATE PARKWAY: 30 MPH

SHEET NO. INDEX OF SHEETS

Table with 2 columns: SHEET NO. and INDEX OF SHEETS. Lists sheets 1 through 180 and their corresponding titles such as 'TITLE SHEET', 'GENERAL NOTES/HIGHWAY STANDARDS', etc.

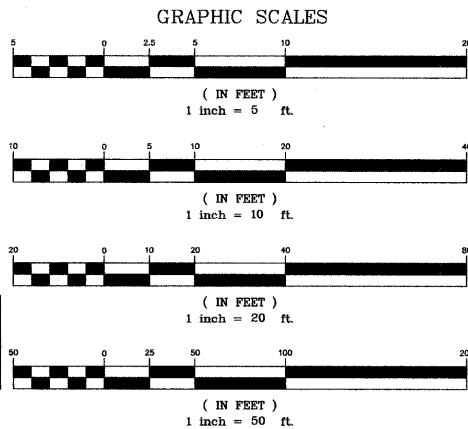
EXISTING UTILITIES: WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER...

CONTRACTOR IS RESPONSIBLE FOR CONTACTING J.U.L.I.E. AT 1-800-892-0123 AND MUST ACQUIRE A DIG NUMBER A MINIMUM OF 72 HOURS PRIOR TO ANY WORK BEING DONE.

NOTE: CONSTRUCTION MEANS, METHODS AND JOB SITE SAFETY IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR

J.U.L.I.E. logo with '811' and text 'JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION CALL 811. Know what's below. Call before you dig.'

COPYRIGHT NOTICE: This drawing is the property of Gewart-Hamilton Assoc., Inc. and is not to be used for any purpose other than the specific project and site named herein...



CONTRACT NO. 83845

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY CEMETERY ROAD (FAU 2903), WASHINGTON STREET (FAU 1223) AND TRI-STATE PKWY (FAU 2903) RECONSTRUCTION AND INTERSECTION IMPROVEMENTS

VILLAGE OF GURNEE, LAKE COUNTY SECTION NO. 00-00047-00-FP PROJECT NO. ARA-8003 (322) C-91-205-03

LOCATION MAP (NOT TO SCALE)

VILLAGE OF GURNEE, WARREN TOWNSHIP S16 T45 R11 & S21 T45 R11

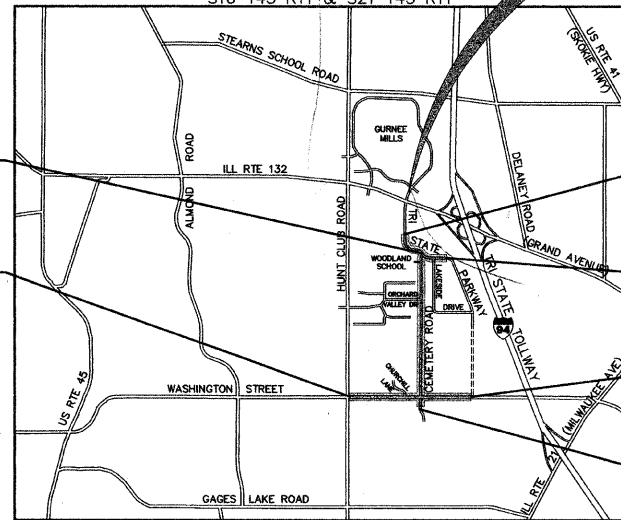


Table with 2 columns: ROAD NAME and PROJECT LENGTHS. Lists Cemetery Road, Washington Street, and Tri State Parkway with their respective lengths.

Table with 2 columns: ROAD NAME and IMPROVEMENT STATIONS. Lists Cemetery Road, Tri State Parkway, and Washington Street with their improvement stationing.

LANDSCAPE ARCHITECTURE PLANS BY:

ANN VIGER Landscape Architect 855 Dartmoor Drive Crystal Lake, IL 60014 815-477-4246

SIGNATURE: [Signature] NAME: ANN VIGER EXPIRATION: 08/31/05



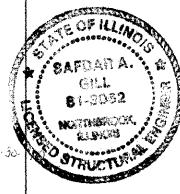
PLANS PREPARED FOR: VILLAGE OF GURNEE 325 N. O'PLAINE ROAD GURNEE, ILLINOIS 60031 GURNEE PROJECT# 8170

APPROVED: April 8, 2009 SIGNATURE: [Signature]

STRUCTURAL DETAIL PREPARED BY:

GROUND ENGINEERING CONSULTANTS Structural Engineer Safdar A. Gill 350 Phingsten Road, Unit 106 Northbrook, IL 60062-2032 847-559-0085

SIGNATURE: [Signature] NAME: SAFDAR A. GILL LICENSE EXPIRES:



ROADWAY & TRAFFIC SIGNAL PLANS PREPARED BY:

GEWALT HAMILTON ASSOCIATES, INC. Consulting Engineers & Surveyors 850 Forest Edge Drive Vernon Hills, IL 60061 847-476-9700 FAX 847-476-9701

SIGNATURE: [Signature] NAME: BRUCE L. SHRAKE, P.E. LICENSE EXPIRES: 11/30/2009

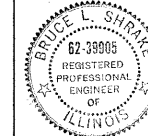
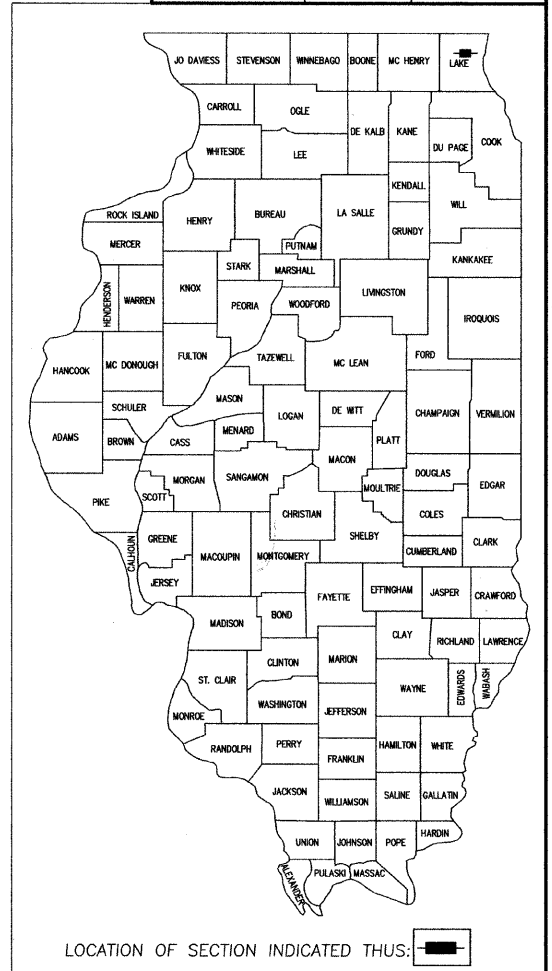


Table with 5 columns: F.A.U. R.T.E., SECTION, COUNTY, TOTAL SHEETS, SHEET NO. Values: 2903, 00-00047-00-FP, LAKE, 180, 1.

COVER SHEET

CONTRACT NO. 83845 ILLINOIS



LOCATION OF SECTION INDICATED THUS: [Symbol]

NOTE: THE CONTRACT HAS A 14% DBE AND EIGHT TRAINEE REQUIREMENT

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Approval table with columns for APPROVED, PASSED, and RELEASED FOR BID. Includes signatures and dates for Warren Township Representative, County Engineer, and District One Engineer of Local Roads.

Revisions table with columns: NAME, DATE, REV., NAME, DATE. Lists PS&E SUBMITTAL, PLANS STAGED, LCMC COMMENTS, and PRE-FINAL SUB.

FEDERAL AID DESIGN ENGINEER: ALEX HOUSEH - 847-705-4410

IDOT ASSOCIATE FIELD ENGINEER: KEVIN STALLWORTH (847) 705-4169

I.D.O.T. HIGHWAY STANDARDS LIST

Table with columns: F.A.U. R.T.E., SECTION, COUNTY, TOTAL SHEETS, SHEET NO.

GENERAL NOTES

- A-1. THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION...
A-2. THE STANDARD SPECIFICATIONS, PROJECT SPECIFICATIONS, CONSTRUCTION PLANS...
A-3. NO CONSTRUCTION PLANS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED FOR CONSTRUCTION...

- B-6. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING MANHOLE, THE OR AN EXISTING MANHOLE ONE OF THE FOLLOWING METHODS SHALL BE USED:
(1) CIRCULAR, SAW-CUT OF SEWER MAIN WITH PROPER TOOLS ("SEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUB - WYE SADDLE OR HUB - TEE SADDLE, IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
(2) USING PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING...

- B-18. RECONNECT ALL EXISTING TILE LINES FOUND IN THE EXCAVATION TO THE NEW STORM LINES USING WYE OR TEE IN ACCORDANCE WITH UTILITY NOTES. NOTE THE LOCATION ON THE "AS-CONSTRUCTED" DRAWINGS. THIS IS CONSIDERED INCIDENTAL TO THE CONTRACT.
B-19. CEMENT BRICKS AND NON-SHRINK MORTAR SHALL BE USED IN ALL STORM STRUCTURES.
PAVING AND GRADING NOTES
C-1. ALL PAVEMENT DIMENSIONS ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE INDICATED. SPOT GRADES REFERENCE FINISHED PAVEMENT OR GROUND, CURB GRADES ARE SHOWN AS TOP OF CURB OVER FLOWLINE.
C-2. PAVING WORK SHALL INCLUDE FINAL SUB-GRADE SHAPING AND PREPARATION, FORMING, LAYOUT OF BASE COURSE MATERIALS, AND SUBSEQUENT BINDER AND/OR SURFACE COURSES, FINISHING AND CURING OF CONCRETE, FINAL CLEAN-UP AND ALL RELATED WORK.
C-3. THE PROPOSED PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2007 ILLINOIS DEPARTMENT OF TRANSPORTATION (DOT) EDITION.
C-4. PAVEMENT CONSTRUCTION SHALL BE AS DETAILED. PRIOR TO THE PLACEMENT OF ANY STONE BASE ALL SUBGRADE SHALL BE COMPACTED WITH A SELF-PROPELLED SHEEPSFOOT COMPACTOR (CAT 815 OR LARGER) TO A MINIMUM DENSITY OF 95% MOISTURE PROCTOR. TESTING SHALL BE BY NUCLEAR DENSITY TEST AND PROOF ROLLING. THE CONTRACTOR SHALL PROOF ROLL THE SUBGRADE BEFORE PAVEMENT CONSTRUCTION PROCEEDS. THE PROOF ROLL SHALL BE WITNESSED BY THE ENGINEER AND A REPRESENTATIVE OF THE VILLAGE. THE SUBGRADE WILL NOT BE APPROVED UNLESS ACCEPTED WITHOUT PROOF ROLLING. THE PROOF ROLLING SHALL BE DONE BY A FULLY LOADED THREE-AXLE DUMP TRUCK TOGETHER WITH LOAD WEIGHING AT LEAST TWENTY-FIVE (25) TONS. IF THE SUBGRADE OR BASE HAS FAILURE OR PUMPING AS INDICATED BY PROOF ROLLING, THE AREA OF FAILURE OR PUMPING SHALL BE SCARIFIED AND RECOMPACTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, SUBSEQUENT PROOF ROLL WILL BE CONDUCTED UNTIL THE SUBGRADE IS FOUND TO BE ACCEPTABLE TO THE ENGINEER.
C-5. A MODIFIED PROCTOR DENSITY OF 95% IS REQUIRED FOR STONE BASE. A DENSITY OF 93% IS REQUIRED FOR ASPHALT. ALL OFF-ROAD ZONES SHALL BE COMPACTED TO A MINIMUM OF 90% STANDARD PROCTOR. FILL CANNOT INCLUDE DEBRIS. (REMOVE ALL DEBRIS, TREES, ETC. FROM SITE). THIS REMOVAL AND CLEANUP IS CONSIDERED INCIDENTAL TO THE CONTRACT.
C-6. ALL DISTURBED NON-PAVEMENT AREAS SHALL BE ROUGH GRADED. THE CONTRACTOR IS RESPONSIBLE FOR ALL EROSION PREVENTION AND RESTORATION OF ANY DISTURBED AREA WITHIN THE PROJECT.
C-7. CURB AND GUTTER SHALL BE 8"-12", 86.18, 86.24, VERTICAL CURB OR MATCH EXISTING FOR SHORT SECTIONS. THE CURB SHALL CONSIST OF PORTLAND CEMENT CONCRETE, 4" SLUMP, 6.1 BAG MIX, AND AIR ENTRAINMENT OF NOT LESS FIVE (5%) OR MORE THAN EIGHT (8%). CONCRETE SHALL BE A MINIMUM COMPRESSIVE STRENGTH (3500 PSI) AT FOURTEEN (14) DAYS. ALL CURB AND GUTTER SHALL BE DUCTILE IRON PIPE SHALL BE INSTALLED ON CRUSHED STONE BEDDING (CA-11) WITH A MINIMUM THICKNESS OF 4 INCHES, PROPERLY COMPACT AND EXTEND THE BEDDING TO 12 INCHES OVER THE TOP OF THE PIPE.
C-8. 3/4" THICK PRE-MOLDED FIBER EXPANSION JOINTS WITH 3/4" x 18" PLAIN ROUND, STEEL DOWEL BARS SHALL BE INSTALLED IN ALL CURBS, 1/2" x 12" PLAIN ROUND STEEL DOWEL BARS IN SIDEWALK AT (60") SIXTY FOOT INTERVALS AND AT ALL P.C.'S, P.T.'S, CURB RETURNS, ALTERNATE ENDS OF THE DOWEL BARS SHALL BE GREASED AND FITTED WITH METAL EXPANSION TUBES. ALL EXPANSION JOINTS MUST BE FREE OF CONCRETE FOR FULL DEPTH. CONTRACTION JOINTS SHALL BE TOoled AT 5' INTERVALS IN THE SIDEWALK. THE COST OF THESE JOINTS SHALL BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT. CONTRACTION JOINTS SHALL ALSO BE TOoled DOWN THE CENTER OF ALL SIDEWALKS GREATER THAN 6' WIDE. (FIVE FOOT SPACING MAXIMUM).
C-9. ALL PORTLAND CEMENT CONCRETE SHALL BE CURED AND PROTECTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. TWO COATS OF WHITE CURING COMPOUND SHALL BE APPLIED TO ALL CONCRETE WORK AS SOON AS THE FINISH IS COMPLETE, WITHIN ONE (1) HOUR OF FINAL STRIKING.
C-10. CONCRETE SIDEWALKS SHALL BE 5" THICK (8" THICK THROUGH DRIVEWAYS), SET ON THE 4" CA-6 CRUSHED STONE COMPACTED SUBBASE AND SHALL BE 1/4" FOOT ABOVE THE ADJACENT CURB. SPECIFICATION FOR CONCRETE AND CURB AND GUTTER SHALL HAVE A 14 DAY COMPRESSIVE STRENGTH OF 3500 PSI WITH A 5-8% ENTRAINMENT AIR, WITH 6.1 BAG MIX AND 2-4 INCHES OF SLUMP, FINISH WITH A LIGHT BROOM SURFACE. MEET PAVEMENT GRADE WITH A RECESSED CURB. CURING COMPOUND APPLIED WHEN FINISHED. MINIMUM CROSS SLOPE SHALL BE 1/4" PER FOOT TOWARD STREET.
C-11. WHENEVER NEW CONCRETE ABUTS EXISTING CONCRETE, SET A 3/4" THICK PRE-MOLDED FIBER EXPANSION JOINT AND 3/4" DOT STANDARD EXPANSION ANCHOR TIES IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THIS INCLUDES CONCRETE POURED ADJACENT TO EXISTING SIDEWALKS, CURBS AND BUILDING, EXCEPT AT EXPANSION JOINTS. THE DOWEL BARS SHOULD BE 4" INTO EXISTING CONCRETE WITH 8" EXTENDING INTO NEW CONCRETE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CURB AND GUTTER PAY ITEM.
C-12. PRIME COAT FOR THE SURFACE COURSE SHALL BE APPLIED TO THE BINDER AT A RATE OF 0.07 GAL/SY (SS-1) PRIME COAT FOR THE BINDER COURSE SHALL BE APPLIED TO THE SUBBASE AT A RATE OF 0.25 GAL/SY (P.E.P.).
C-13. ALL CURB AND SIDEWALK SHALL BE REINFORCED WITH TWO #4 REBARS (THREE EQUALLY SPACED REBAR FOR SIDEWALK) WHENEVER THE CURB OR SIDEWALK CROSSES A UTILITY TRENCH. EXTEND THE REBAR TEN FEET BEYOND THE TRENCH ON BOTH SIDES.
C-14. ALL SIGN POSTS SHALL CONFORM TO VILLAGE STANDARDS.
C-15. ALL MAILBOXES AND OTHER PRIVATE PROPERTY DISTURBED AS PART OF THIS PROJECT SHALL BE RELOCATED OR REPLACED. THIS WORK IS CONSIDERED INCIDENTAL TO THE CONTRACT AS NOTED WITHIN ARTICLE 107.21, OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2007.
C-16. THE COST OF SAWCUTTING SHALL BE INCLUDED IN THE ITEM BEING REMOVED.

- 280001-04 TEMPORARY EROSION CONTROL SYSTEMS
353001-04 PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
420001-07 PAVEMENT JOINTS
42101-04 24 FT JOINTED PCC PAVEMENT
424001-05 CURB RAMPS FOR SIDEWALKS
44201-03 CLASS C & D PATCHES
542106-02 REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS, 42" THRU 60" DIAMETER AT RIGHT ANGLES WITH ROADWAY
542301-02 PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-02 PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542311-01 GRATING FOR CONCRETE FLARED END SECTION
602301-02 INLET - TYPE A
602401-02 MANHOLE - TYPE A
602406-03 MANHOLE, TYPE A, 6 FT DIAMETER
602601-02 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-03 FRAME AND LIDS - TYPE 1
604036-02 GRATE - TYPE 8
604086-02 FRAME AND GRATE TYPE 23
604091-02 FRAME AND GRATE TYPE 24
606001-04 CONCRETE CURB, TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
608006-02 OUTLET FOR CONC. CURB AND GUTTER, TYPE B-6.24
608306-03 CORRUGATED PCC MEDIANS
701006-03 OFF-ROAD OPERATIONS 2L, 2W, 15' TO 24" TO PAVEMENT EDGE FOR SPEEDS >45 MPH
701011-02 OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY FOR SPEEDS >45 MPH
701101-02 OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701301-03 LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701400-03 APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
701401-05 LANE CLOSURE, FREEWAY/EXPRESSWAY
701421-02 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701501-05 URBAN LANE CLOSURE 2L, 2W, UNDIVIDED
701606-06 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-06 URBAN LANE CLOSURE MULTILANE INTERSECTION
701801-04 LANE CLOSURE, MULTILANE, 1V OR 2V, CROSSWALK OR SIDEWALK CLOSURE
701901-01 TRAFFIC CONTROL DEVICES
720001-01 SIGN PANEL MOUNTING DETAILS
780001-02 TYPICAL PAVEMENT MARKINGS
781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
814001-02 HANDHOLES
814006-02 DOUBLE HANDHOLES
857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
877001-04 STEEL MAST ARM ASSEMBLY AND POLE, 16' THROUGH 55'
878001-07 CONCRETE FOUNDATION DETAILS
880001-01 SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01 TRAFFIC SIGNAL MOUNTING DETAILS

STRUCTURAL DESIGN DATA - WASHINGTON STREET
TRAFFIC DATA - WASHINGTON STREET (LGDOT)
ADT - 22,823 IN 2001
ADT - 26,216 FOR 2006
DESIGN LIFE - 20 YEAR
DESIGN YEAR - 2026
GROWTH RATE - 2% / YEAR
DESIGN ADT CALCULATION: 26,216 x 1/2 x 20 (YR) = 262,165
262,165 x 0.02 = 5,243
26,216 + 5,243 = 31,459
DESIGN ADT: 31,459

TRAFFIC FACTOR DESIGN PARAMETERS
80 KIP LOAD, CLASS I
FULL DEPTH HMA PAVEMENT
TRAFFIC FACTOR: 3.76
SUBGRADE RATING: POOR
MIN AC TEMP: 76°F
HMA DESIGN STRAIN: 70µε
HMA MODULUS (Ecc) = 650
HMA THICKNESS: 10.70"
USE LGDOT PAVEMENT SECTION: 12"

PROPOSED PAVEMENT SECTION
RECONSTRUCTION - STA. 100+64 TO 136+45
2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F" N90
2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90
8" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
12" AGGREGATE SUBGRADE

STRUCTURAL DESIGN DATA - CEMETERY ROAD
TRAFFIC DATA - CEMETERY ROAD (GURNEE)
ADT - 2,721 IN 1999
ADT - 3,126 FOR 2006
DESIGN LIFE - 20 YEAR
DESIGN YEAR - 2026
GROWTH RATE - 2% / YEAR
DESIGN ADT: 4,644
USE 5,000 FOR SUPERPAVE MIX

TRAFFIC FACTOR DESIGN PARAMETERS
80 KIP LOAD, CLASS II FLEXIBLE
FULL DEPTH HMA PAVEMENT
TRAFFIC FACTOR: 0.033, MIN: 0.05
SUBGRADE RATING: POOR
MIN AC TEMP: 76°F
HMA DESIGN STRAIN: 130µε
HMA MODULUS (Ecc) = 560
HMA THICKNESS: 7.50" USE: 8"

PROPOSED PAVEMENT SECTION
RECONSTRUCTION - STA. 184+50 TO 194+25, 201+00 TO 202+27
2" HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50
2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
12" AGGREGATE SUBGRADE

RESURFACING SECTION - STA. 309+49 TO 336+00
2" HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70
1" & VARIES POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50

ILLINOIS DEPARTMENT OF TRANSPORTATION GENERAL NOTES

PROPOSED ROADWAY WIDENING AND INTERSECTION IMPROVEMENTS

SCALE: N.T.S.
DATE: 10-05-04
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

SUMMARY OF SPECIAL EARTHWORK REMEDIAL TREATMENT AREAS

TABLE PROVIDED BY STS CONSULTANTS, INC - 6/7/05

Table with columns: LOCATION, REPLACEMENT INDICATED BY, DEPTH IN INCHES, TREATMENT WIDTH (AREA), TREATMENT MATERIAL, VOLUME.
Rows include: CEMETERY ROAD STA 243+50 TO 251+00 (ORGANIC CLAY 12 FULL (35' WIDE) (& VARIES) GEOSYNTHETIC FABRIC AND PGES 975 CY); WASHINGTON STREET STA 118+00 TO 123+50 (ORGANIC CLAY 12 FULL (69' WIDE) GEOSYNTHETIC FABRIC AND PGES 1,405 CY).

- 1. PROPOSED 12 INCHES AGGREGATE SUBGRADE SUFFICIENT AT ALL STATIONS EXCEPT AS SHOWN
2. DEPTH REFERS TO MAXIMUM DEPTH OF REMEDIAL TREATMENT BELOW AGGREGATE SUBGRADE
3. REPLACEMENT MATERIAL OR TREATMENT:

- EMBANKMENT MATERIAL AND PLACEMENT IN ACCORDANCE WITH SECTIONS 205, 206, 207 & 210 (IDOT SSRBC)
PGES - POROUS GRANULAR EMBANKMENT, SUBGRADE
FABRIC - GROUND STABILIZATION FABRIC BELOW PGES

PLANS PREPARED BY: GEWALT HAMILTON ASSOCIATES, INC. Consulting Engineers & Surveyors 850 Forest Edge Drive Vernon Hills, IL 60081 (847) 476-9700 (847) 476-9700 Fax

REVISIONS table with columns: NAME, DATE.
REV-1 IDOT COMMENTS 02-03-06
REV-2 IDOT COMMENTS 11-20-06
REV-5 PRE-FINAL SUB 02-20-09
PS&F SUBMITTAL 04-10-09

TOPOGRAPHIC INFORMATION PROVIDED BY BAXTER AND WOODMAN CONSULTING, INC WITHIN PHASE 1 REPORT (MARCH, 2004)

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	3
SUMMARY OF QUANTITIES				
ILLINOIS				

Sp.	CODE #	DESCRIPTION	UNIT	TOTAL QUANTITY	WASHINGTON ST. ROAD IMP. I 000-2A	WASHINGTON ST. SIGNAL IMP. Y 031-1F	WASHINGTON ST. SH. USE PATH Y 045	WASHINGTON ST. OUTLOT I 000-2A	CEMETERY RD ROAD IMP I 000-2A	CEMETERY RD WATERMAIN Y060	TRI STATE ROAD IMP I 000-2A
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UN	482	251	-	-	-	231	-	-
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UN	1670	471	-	-	-	1033	-	166
	20101000	TEMPORARY FENCE	FT	2380	780	-	-	100	1500	-	-
	20101100	TREE TRUNK PROTECTION	EA	140	40	-	-	8	92	-	-
Δ	20101200	TREE ROOT PRUNING	EA	77	22	-	-	-	55	-	-
Δ	20101400	NITROGEN FERTILIZER NUTRIENT	LBS	644	278	-	-	28	336	-	2
Δ	20101500	PHOSPHORUS FERTILIZER NUTRIENT	LBS	644	278	-	-	28	336	-	2
Δ	20101600	POTASSIUM FERTILIZER NUTRIENT	LBS	644	278	-	-	28	336	-	2
	20200100	EARTH EXCAVATION	CY	36867	18992	-	-	50	17825	-	-
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CY	3830	1900	-	-	-	1900	-	30
	20400800	FURNISHED EXCAVATION	CY	3345	1885	-	-	-	1460	-	-
*	20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CY	3360	1895	-	-	-	1465	-	-
	20800150	TRENCH BACKFILL	CY	2163	788	-	-	13	1336	-	26
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SY	9750	5750	-	-	-	4000	-	-
Δ	21101625	TOPSOIL FURNISH AND PLACE, 6"	SY	34555	14940	-	-	1510	17855	-	250
*	21301052	EXPLORATION TRENCH, 52" DEPTH	FT	220	78	-	-	-	142	-	-
Δ	25000210	SEEDING, CLASS 2A	AC	9	4	-	-	1	4	-	-
Δ	25100115	MULCH, METHOD 2	AC	9	4	-	-	1	4	-	-
Δ	25200110	SODDING, SALT TOLERANT	SY	250	-	-	-	-	-	-	250
Δ	25200200	SUPPLEMENTAL WATERING	UN	100	52	-	-	-	48	-	-
Δ	28000255	TEMPORARY EROSION CONTROL SEEDING	AC	9	4	-	-	1	4	-	-
*	28000300	TEMPORARY DITCH CHECKS	EA	48	25	-	-	-	23	-	-
*	28000400	PERIMETER EROSION BARRIER	FT	21305	8575	-	-	-	12600	-	130
	28000510	INLET FILTERS	EA	228	90	-	-	-	131	-	7
	28100107	STONE RIPRAP, CLASS A4	SY	120	65	-	-	-	55	-	-
	28200200	FILTER FABRIC	SY	180	103	-	-	-	77	-	-
	28500400	ARTICULATED BLOCK REVETMENT MAT	SY	60	38	-	-	-	22	-	-
	35101800	AGGREGATE BASE COURSE, TYPE B, 6"	SY	10065	645	-	2835	190	6315	-	80
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TN	630	154	-	-	-	476	-	-
*	40300100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	21557	13285	-	-	-	7712	-	560
	40600300	AGGREGATE (PRIME COAT)	TN	114	67	-	-	-	36	-	11
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SY	160	40	-	-	-	-	-	120
	40600990	TEMPORARY RAMP	SY	15	-	-	-	-	-	-	15
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TN	938	-	-	320	-	608	-	10
	40603310	HOT-MIX ASPHALT ASPHALT SURFACE COURSE, MIX C, N50	TN	1128	58	-	320	-	740	-	10
	40603340	HOT-MIX ASPHALT ASPHALT SURFACE COURSE, MIX D, N70	TN	660	-	-	-	-	-	-	660
	40701841	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"	SY	17120	-	-	-	-	17120	-	-
	40701921	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12"	SY	24390	24390	-	-	-	-	-	-
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SF	5450	2290	-	-	1700	1260	-	200
*	42400800	DETECTABLE WARNINGS	SF	340	200	-	-	-	120	-	20
	44000100	PAVEMENT REMOVAL	SY	29300	16395	-	-	-	12530	-	375
*	44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SY	5860	260	-	-	-	-	-	5600
	44000200	DRIVEWAY PAVEMENT REMOVAL	SY	2575	745	-	-	-	1830	-	-
	44000500	COMBINATION CURB AND GUTTER REMOVAL	PF	1560	310	-	-	-	675	-	575
	44000600	SIDEWALK REMOVAL	SF	5725	5675	-	-	-	50	-	-
*	44201785	CLASS D PATCHES, TYPE I, 12"	SY	30	-	-	-	-	-	-	30
*	44201789	CLASS D PATCHES, TYPE II, 12"	SY	45	-	-	-	-	-	-	45
*	44201794	CLASS D PATCHES, TYPE III, 12"	SY	140	-	-	-	-	-	-	140
*	44201796	CLASS D PATCHES, TYPE IV, 12"	SY	90	-	-	-	-	-	-	90
	48101600	AGGREGATE SHOULDERS, TYPE B, 8"	SY	1240	1240	-	-	-	-	-	-
	50104400	CONCRETE HEADWALL REMOVAL	EA	1	-	-	-	-	1	-	-
	50105220	PIPE CULVERT REMOVAL	FT	1196	431	-	-	-	765	-	-
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTION, 12"	EA	1	-	-	-	-	1	-	-
	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTION, 15"	EA	2	-	-	-	-	2	-	-
	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTION, 18"	EA	3	2	-	-	-	1	-	-
	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTION, 24"	EA	1	-	-	-	-	1	-	-
	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTION, 36"	EA	2	1	-	-	1	-	-	-
	54213693	PRECAST REINFORCED CONCRETE FLARED END SECTION, 48"	EA	1	-	-	-	-	1	-	-
	54215442	CAST-IN-PLACE REINFORCED CONCRETE END SECTION, 42"	EA	1	-	-	-	-	1	-	-
	54215448	CAST-IN-PLACE REINFORCED CONCRETE END SECTION, 48"	EA	4	2	-	-	-	2	-	-
	54247090	GRATING FOR CONCRETE FLARED END SECTION, 12"	EA	1	-	-	-	-	1	-	-
	54247100	GRATING FOR CONCRETE FLARED END SECTION, 15"	EA	2	-	-	-	-	2	-	-
	54247110	GRATING FOR CONCRETE FLARED END SECTION, 18"	EA	3	2	-	-	-	1	-	-
	54247130	GRATING FOR CONCRETE FLARED END SECTION, 24"	EA	1	-	-	-	-	1	-	-
	54247170	GRATING FOR CONCRETE FLARED END SECTION, 36"	EA	2	1	-	-	1	-	-	-
	54247190	GRATING FOR CONCRETE FLARED END SECTION, 48"	EA	1	-	-	-	-	1	-	-
	55100100	STORM SEWER REMOVAL, 4"	FT	35	15	-	-	-	20	-	-
	55100200	STORM SEWER REMOVAL, 6"	FT	65	45	-	-	-	20	-	-
	55100400	STORM SEWER REMOVAL, 10"	FT	340	-	-	-	-	340	-	-
	55100500	STORM SEWER REMOVAL, 12"	FT	775	550	-	-	-	205	-	20
	55100700	STORM SEWER REMOVAL, 15"	FT	695	530	-	-	-	165	-	-
	55100900	STORM SEWER REMOVAL, 18"	FT	85	-	-	-	-	85	-	-
	55101400	STORM SEWER REMOVAL, 30"	FT	30	-	-	-	-	30	-	-
	55101600	STORM SEWER REMOVAL, 36"	FT	85	85	-	-	-	-	-	-

Δ SPECIALTY ITEMS

PLANS PREPARED BY:		REVISIONS	
GEWALT HAMILTON ASSOCIATES, INC.		NAME	DATE
Consulting Engineers & Surveyors 800 Forest Edge Drive Vernon Hills, IL 60061 (847) 478-9700 (847) 478-9701 Fax		REV.-1 IDOT COMMENTS	02-03-06
		REV. - 2	06-02-06
		REV.-5 PRE-FINAL SUB	02-20-09
		PS&E SUBMITTAL	04-10-09
ILLINOIS DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES			
PROPOSED ROADWAY WIDENING AND INTERSECTION IMPROVEMENTS CEMETERY ROAD			
DRAWN BY: TAR		DATE: 8/24/05 CHECKED BY: TPG	

3081-212-500-51002E 1-05

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	4

SUMMARY OF QUANTITIES	
CONTRACT NO. 83845	ILLINOIS

Sp.	CODE #	DESCRIPTION	UNIT	TOTAL QUANTITY	WASHINGTON ST. ROAD IMP. I 000-2A	WASHINGTON ST. SIGNAL IMP. Y 031-1F	WASHINGTON ST. SH. USE PATH Y 045	WASHINGTON ST. OUTLOT I 000-2A	CEMETERY RD ROAD IMP I 000-2A	CEMETERY RD WATERMAIN Y060	TRI STATE ROAD IMP I 000-2A
60109510		PIPE UNDERDRAINS, FABRIC LINED TRENCH, 4"	FT	2036	768				1268		
60200205		CATCH BASIN, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EA	4	3				1		
60200805		CATCH BASIN, TYPE A, 4' DIAMETER, TYPE 8 GRATE	EA	1					1		
60201340		CATCH BASIN, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	EA	20	20						
60203905		CATCH BASIN, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	EA	1				1			
60206905		CATCH BASIN, TYPE C, TYPE 1 FRAME, OPEN LID	EA	1					1		
60218300		MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, OPEN LID	EA	6					6		
60218400		MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EA	29	19				10		
60219000		MANHOLES, TYPE A, 4' DIAMETER, TYPE 8 GRATE	EA	17	4				13		
60219300		MANHOLES, TYPE A, 4' DIAMETER, TYPE 11 FRAME AND GRATE	EA	37	1				36		
60219540		MANHOLES, TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE	EA	6	6						
60221100		MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	EA	7	2				4		1
60223800		MANHOLES, TYPE A, 6' DIAMETER, TYPE 1 FRAME, CLOSED LID	EA	3	3						
60234200		INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EA	9	3				6		
60236200		INLETS, TYPE A, TYPE 8 GRATE	EA	18	10				8		
60236800		INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EA	26	1				24		1
60237470		INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EA	17	17						
* 60247900		JUNCTION CHAMBER, SPECIAL	EA	3					3		
60250200		CATCH BASINS TO BE ADJUSTED	EA	21	4			2	14		1
60257900		MANHOLE TO BE RECONSTRUCTED	EA	3	1				2		
60258200		MANHOLE TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EA	1					1		
60265700		VALVE VAULTS TO BE ADJUSTED	EA	17				5		12	
60266100		VALVE VAULT TO BE RECONSTRUCTED	EA	1						1	
60500040		REMOVING MANHOLES	EA	9	5				3		1
60500050		REMOVING CATCH BASINS	EA	5	3				1		1
60500060		REMOVING INLETS	EA	11	6				4		1
60603300		GUTTER OUTLET	EA	2	2						
60603800		COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12	FT	11080	230				10525		325
60605000		COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24	FT	6860	6725				135		
60618300		CONCRETE MEDIAN SURFACE, 4"	SF	625	625						
60625900		P.C.C. RAMPED MEDIAN TERMINAL	EA	1	1						
66400305		CHAIN LINK FENCE, 6'	FT	1730					1730		
66407500		CHAIN LINK GATES, 6' X 10' DOUBLE	EA	2					2		
66407600		CHAIN LINK GATES, 6' X 12' DOUBLE	EA	2					2		
66410410		CHAIN LINK FENCE TO BE RELOCATED	FT	1740					1740		
66503500		BARBED WIRE FENCE TO BE REMOVED AND RE-ERECTED	FT	980	980						
* 67000400		ENGINEERS FIELD OFFICE, TYPE A	CM	30	16				14		
67100100		MOBILIZATION	LS	1	1						
* 70101700		TRAFFIC CONTROL AND PROTECTION	LS	1	1						
70103816		TRAFFIC CONTROL SURVEILLANCE	CM	30	16				14		
70106800		CHANGEABLE MESSAGE SIGN	CM	30	16				14		
70300100		SHORT-TERM PAVEMENT MARKING	FT	1420	625				795		
70300510		PAVEMENT MARKING TAPE, TYPE III, LETTERS AND SYMBOLS	SF	110	110						
70300520		PAVEMENT MARKING TAPE, TYPE III, 4"	FT	5870	5870						
70300530		PAVEMENT MARKING TAPE, TYPE III, 5"	FT	4300	4300						
70300540		PAVEMENT MARKING TAPE, TYPE III, 6"	FT	1105	1105						
70300560		PAVEMENT MARKING TAPE, TYPE III, 12"	FT	256	256						
70300570		PAVEMENT MARKING TAPE, TYPE III, 24"	FT	110	110						
Δ 70300610		TEMPORARY PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SF	400	400						
Δ 70300625		TEMPORARY PAINT PAVEMENT MARKING - LINE 4"	FT	23720	23720						
Δ 70300630		TEMPORARY PAINT PAVEMENT MARKING - LINE 5"	FT	22290	22290						
Δ 70300635		TEMPORARY PAINT PAVEMENT MARKING - LINE 6"	FT	1136	1136						
Δ 70300645		TEMPORARY PAINT PAVEMENT MARKING - LINE 12"	FT	262	262						
Δ 70300660		TEMPORARY PAINT PAVEMENT MARKING - LINE 24"	FT	235	235						
70301000		WORK ZONE PAVEMENT MARKING REMOVAL	SF	1420	625				795		
72000100		SIGN PANEL - TYPE 1	SF	179	58				121		
72000200		SIGN PANEL - TYPE 2	SF	13	13						
72900105		METAL POST - TYPE A2	FT	140	84				56		
72900110		METAL POST - TYPE A	EA	7	3				4		
72900210		METAL POST - TYPE B	EA	26	9				16		1
Δ 78000100		THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SF	730	328				220		182
Δ 78000200		THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FT	30035	14245				11440		4350
Δ 78000300		THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FT	7520	7200				320		
Δ 78000400		THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FT	3115	1555				885		675
Δ 78000600		THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FT	2640	1960				430		250
Δ 78000650		THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FT	386	156				100		130
* 78100100		RAISED REFLECTIVE PAVEMENT MARKER	EA	380	380						
78300100		PAVEMENT MARKING REMOVAL	SF	22300	22300						
78300200		RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EA	225	225						
Δ 81000600		CONDUIT IN TRENCH, 2" DIAMETER, GALVANIZED STEEL	FT	3865		3865					
Δ 81000700		CONDUIT IN TRENCH, 2 1/2" DIAMETER, GALVANIZED STEEL	FT	75		75					
Δ 81000800		CONDUIT IN TRENCH, 3" DIAMETER, GALVANIZED STEEL	FT	83		83					
Δ 81001100		CONDUIT IN TRENCH, 5" DIAMETER, GALVANIZED STEEL	FT	10		10					
Δ 81018500		CONDUIT PUSHED, 2" DIAMETER, GALVANIZED STEEL	FT	458		458					
Δ 81018900		CONDUIT PUSHED, 4" DIAMETER, GALVANIZED STEEL	FT	200		200					

Δ SPECIALTY ITEMS

PLANS PREPARED BY:		REVISIONS	
GEWALT HAMILTON ASSOCIATES, INC. Consulting Engineers & Surveyors 850 Forest Edge Drive Vernon Hills, IL 60061 (847) 478-9700 (847) 478-9701 Fax		NAME	DATE
		REV.-1 TDDT COMMENTS	02-03-06
		REV.-2	06-02-06
		REV.-5 PRE-FINAL SUB	02-20-09
		PS&E SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
 PROPOSED ROADWAY WIDENING AND INTERSECTION IMPROVEMENTS
 CEMETERY ROAD
 DRAWN BY: TAR
 CHECKED BY: TPG
 DATE: 8/24/05

3081-272-3537-31 PAGE 1 OF 9

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	5

SUMMARY OF QUANTITIES

CONTRACT NO. 83845	ILLINOIS
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Sp.	CODE #	DESCRIPTION	UNIT	TOTAL QUANTITY	WASHINGTON ST. ROAD IMP. I 000-2A	WASHINGTON ST. SIGNAL IMP. Y 031-1F	WASHINGTON ST. SH. USE PATH Y 045	WASHINGTON ST. OUTLOT I 000-2A	CEMETERY RD ROAD IMP I 000-2A	CEMETERY RD WATERMAIN Y060	TRI STATE ROAD IMP I 000-2A
Δ	81019000	CONDUIT PUSHED, 5" DIAMETER, GALVANIZED STEEL	FT	141	-	141	-	-	-	-	-
Δ	81400100	HANDHOLE	EA	9	-	9	-	-	-	-	-
Δ	81400300	DOUBLE HANDHOLE	EA	2	-	2	-	-	-	-	-
*	81700215	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RH-W) 2-1/C NO. 10	FT	961	-	961	-	-	-	-	-
*	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FT	4028	-	4028	-	-	-	-	-
*	82103250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT	EA	4	-	4	-	-	-	-	-
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EA	2	-	2	-	-	-	-	-
*	85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)	EA	1	-	1	-	-	-	-	-
*	86400100	TRANCEIVER - FIBER OPTIC	EA	1	-	1	-	-	-	-	-
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FT	2415	-	2415	-	-	-	-	-
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FT	1904	-	1904	-	-	-	-	-
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FT	1717	-	1717	-	-	-	-	-
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FT	1717	-	1717	-	-	-	-	-
*	87301615	ELECTRIC CABLE IN CONDUIT, COMMUNICATION, NO. 16 6 PAIR	FT	961	-	961	-	-	-	-	-
Δ	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FT	169	-	169	-	-	-	-	-
*	87704080	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 30 FT (SPECIAL)	EA	1	-	1	-	-	-	-	-
Δ	87704100	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 34 FT (SPECIAL)	EA	1	-	1	-	-	-	-	-
*	87704130	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 40 FT (SPECIAL)	EA	1	-	1	-	-	-	-	-
*	87704140	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 42 FT (SPECIAL)	EA	1	-	1	-	-	-	-	-
*	87800100	CONCRETE FOUNDATION, TYPE A	FT	12	-	12	-	-	-	-	-
*	87800150	CONCRETE FOUNDATION, TYPE C	FT	4	-	4	-	-	-	-	-
*	87800400	CONCRETE FOUNDATION, TYPE E, 30" DIAMETER	FT	27	-	27	-	-	-	-	-
*	87800415	CONCRETE FOUNDATION, TYPE E, 36" DIAMETER	FT	26	-	26	-	-	-	-	-
*	87900200	DRILL EXISTING HANDHOLE	EA	1	-	1	-	-	-	-	-
*	88030020	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EA	4	-	4	-	-	-	-	-
*	88030110	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EA	4	-	4	-	-	-	-	-
*	88030240	SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SEC 1-5-SEC, BRACKET MOUNTED	EA	4	-	4	-	-	-	-	-
*	88102717	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EA	8	-	8	-	-	-	-	-
*	88200100	TRAFFIC SIGNAL BACKPLATE	EA	8	-	8	-	-	-	-	-
*	88700200	LIGHT DETECTOR	EA	2	-	2	-	-	-	-	-
*	88700300	LIGHT DETECTOR AMPLIFIER	EA	1	-	1	-	-	-	-	-
*	88800100	PEDESTRIAN PUSH-BUTTON	EA	8	-	8	-	-	-	-	-
*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EA	1	-	1	-	-	-	-	-
Δ	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EA	1	-	1	-	-	-	-	-
Δ	89502380	REMOVE EXISTING HANDHOLE	EA	6	-	6	-	-	-	-	-
Δ	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EA	9	-	9	-	-	-	-	-
Δ	550A0040	STORM SEWERS, CLASS A, TYPE I, 10"	FT	18	-	-	18	-	-	-	-
Δ	550A0050	STORM SEWERS, CLASS A, TYPE I, 12"	FT	5836	3277	-	-	2501	-	-	58
Δ	550A0070	STORM SEWERS, CLASS A, TYPE I, 15"	FT	2765	1063	-	-	1702	-	-	-
Δ	550A0090	STORM SEWERS, CLASS A, TYPE I, 18"	FT	1287	834	-	-	453	-	-	-
Δ	550A0120	STORM SEWERS, CLASS A, TYPE I, 24"	FT	164	156	-	-	8	-	-	-
Δ	550A0160	STORM SEWERS, CLASS A, TYPE I, 36"	FT	356	78	-	278	-	-	-	-
Δ	550A0180	STORM SEWERS, CLASS A, TYPE I, 42"	FT	316	-	-	-	316	-	-	-
Δ	550A0190	STORM SEWERS, CLASS A, TYPE I, 48"	FT	223	41	-	-	182	-	-	-
Δ	550B0010	STORM SEWERS, CLASS B, TYPE I, 4"	FT	345	-	-	-	345	-	-	-
Δ	A2000120	TREES, ACER X FREEMAN II AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2 1/2" CALIPER, BALLED AND BURLAPPED	EA	18	6	-	-	3	-	-	9
Δ	A2000220	TREES, ACER X FREEMAN II MARMO (MARMO FREEMAN MAPLE), 2 1/2" CALIPER, BALLED AND BURLAPPED	EA	17	5	-	-	7	-	-	5
Δ	A2001724	TREES, ACER SACCHARUM (SUGAR MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EA	21	13	-	-	3	-	-	5
Δ	A2001818	TREES, ACER SACCHARUM GREEN MOUNTAIN (GREEN MOUNTAIN SUGAR MAPLE), 2 1/4" CALIPER, BALLED AND BURLAPPED	EA	15	6	-	-	4	-	-	5
Δ	A2002270	TREES, ALNUS GLUTINOSA (BLACK ALDER), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EA	22	6	-	-	16	-	-	-
Δ	A2002924	TREES, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 3" CALIPER, BALLED AND BURLAPPED	EA	18	8	-	-	5	-	-	5
Δ	A2004424	TREES, GINKGO BILOBA (GINKGO), 3" CALIPER, BALLED AND BURLAPPED	EA	12	3	-	-	4	-	-	5
Δ	A2005024	TREES, GYMNOCLADUS DIODUS (KENTUCKY COFFEETREE), 3" CALIPER, BALLED AND BURLAPPED	EA	11	8	-	-	1	-	-	2
Δ	A2005670	TREES, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EA	22	3	-	-	19	-	-	-
Δ	A2007920	TREES, TILIA AMERICANA REDMOND (REDMOND AMERICAN LINDEN), 2 1/2" CALIPER, BALLED AND BURLAPPED	EA	22	12	-	-	2	-	-	8
Δ	A2008120	TREES, TILIA CORDATA GREENSPIRE (GREENSPIRE LITTLELEAF LINDEN), 2 1/2" CALIPER, BALLED AND BURLAPPED	EA	35	21	-	-	14	-	-	-
Δ	A2008320	TREES, TILIA TOMENTOSA (SILVER LINDEN), 2 1/2" CALIPER, BALLED AND BURLAPPED	EA	12	6	-	-	3	-	-	3
Δ	B2001167	TREES, CERCIS CANADENSIS (EASTERN REDBUD), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EA	25	5	-	-	20	-	-	-
Δ	B2004120	TREES, MALUS PRAIRIFIRE (PRAIRIE CRABAPPLE), 2 1/2" CALIPER, BALLED AND BURLAPPED	EA	24	13	-	-	11	-	-	-
Δ	B2004520	TREES, MALUS RED JEWEL (RED JEWEL CRABAPPLE), 2 1/2" CALIPER, BALLED AND BURLAPPED	EA	23	10	-	-	13	-	-	-
Δ	B2005720	TREES, PYRUS CALLERYANA (CHANTICLEER CALLERY PEAR), 2 1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EA	24	11	-	-	13	-	-	-
Δ	D2002184	EVERGREEN, PICEA PUNGENS (COLORADO SPRUCE), 7' HEIGHT, BALLED AND BURLAPPED	EA	5	5	-	-	-	-	-	-
*	X0322672	SPLIT RAIL FENCE TO BE REMOVED AND RE-ERECTED	FT	380	380	-	-	-	-	-	-
*	X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FT	5226	-	5226	-	-	-	-	-
*	X0325151	REMOVE EXISTING LIGHT POLE	EA	1	-	1	-	-	-	-	-
*	X0325705	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM - LEVEL II	EA	1	-	1	-	-	-	-	-
*	X0325737	TEMPORARY TRAFFIC SIGNAL TIMINGS	EA	1	-	1	-	-	-	-	-
*	X2800500	INLET PROTECTION, SPECIAL	EA	96	37	-	-	59	-	-	-
*	X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50	TN	340	-	-	-	-	-	-	340
*	X6013600	PIPE UNDERDRAINS, 4", (MODIFIED)	FT	6860	6725	-	-	135	-	-	-
*	X7011005	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	LS	1	-	-	-	1	-	-	-
*	X7240500	RELOCATE EXISTING SIGNS	EA	25	12	-	-	12	-	-	1

Δ SPECIALTY ITEMS

PLANS PREPARED BY:		REVISIONS	
GEWALT HAMILTON ASSOCIATES, INC. Consulting Engineers & Surveyors 850 Forest Ridge Drive Vernon Hills, IL 60061 (847) 478-9700 (847) 478-9701 Fax		NAME	DATE
		REV-1 DOT COMMENTS	02-03-08
		REV-2	06-02-08
		REV-3 PRE-FINAL SUB	02-20-09
		PS&E SUBMITTAL	04-10-09
ILLINOIS DEPARTMENT OF TRANSPORTATION			
SUMMARY OF QUANTITIES			
PROPOSED ROADWAY WIDENING AND INTERSECTION IMPROVEMENTS CEMETERY ROAD			
DATE: 8/24/05			
DRAWN BY: TAR		CHECKED BY: TPG	

3081-212-501-510-510-510

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	6
SUMMARY OF QUANTITIES				
CONTRACT NO. 83845		ILLINOIS		

Sp.	CODE #	DESCRIPTION	UNIT	TOTAL QUANTITY	WASHINGTON ST. ROAD IMP. I 000-2A	WASHINGTON ST. SIGNAL IMP. Y 031-1F	WASHINGTON ST. SH. USE PATH Y 045	WASHINGTON ST. OUTLOT I 000-2A	CEMETERY RD ROAD IMP I 000-2A	CEMETERY RD WATERMAIN Y060	TRI STATE ROAD IMP I 000-2A
*	X8050015	SERVICE INSTALLATION - POLE MOUNTED	EA	1	-	1	-	-	-	-	-
Δ	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FT	700	-	700	-	-	-	-	-
Δ	X8730250	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FT	450	-	450	-	-	-	-	-
*	XX000406	BRICK PAVER REMOVAL AND REPLACEMENT	SF	50	-	-	-	-	50	-	-
*	XX000856	MAILBOX REMOVAL AND RELOCATION	EA	30	9	-	-	-	21	-	-
*	XX008151	TEMPORARY BITUMINOUS SURFACE	SY	550	550	-	-	-	-	-	-
	XX003360	STORM SEWER, PVC SDR 26, 12"	FT	70	70	-	-	-	-	-	-
	XX003503	FLARED END SECTION REMOVAL	EA	30	24	-	-	-	6	-	-
Δ	XX003660	FIBEROPTIC CABLE IN CONDUIT, NO. 62.5/125, MM24F AND SM12F	FT	5226	-	5226	-	-	-	-	-
Δ	XX003668	PRECONSTRUCTION VIDEOTAPING	LS	1	1	-	-	-	-	-	-
*	XX003822	STORM SEWER REMOVAL, SPECIAL	FT	65	-	-	-	-	65	-	-
*	XX004782	TEMPORARY BITUMINOUS PAVEMENT	SY	6490	6490	-	-	-	-	-	-
*	XX004878	MAINTENANCE OF TEMPORARY FROSION CONTROL SYSTEMS	LS	1	1	-	-	-	-	-	-
Δ	A2007122	TREES, QUERCUS RUBRA (RED OAK), 3" CALIPER, BALLED AND BURLAPPED	EA	7	3	-	-	-	2	-	2
Δ	A2006524	TREES, QUERCUS BICOLOR (SWAMP WHITE OAK), 3" CALIPER, BALLED AND BURLAPPED	EA	9	5	-	-	-	1	-	3
	XX005690	STORM SEWER, DUCTILE IRON PIPE, CLASS 52, 12"	FT	28	-	-	-	-	28	-	-
	XX005691	STORM SEWER, DUCTILE IRON PIPE, CLASS 52, 18"	FT	46	-	-	-	-	46	-	-
Δ	XX005723	VIDEO DETECTION SYSTEM (COMPLETE INTERSECTION)	EA	1	-	1	-	-	-	-	-
Δ	XX005931	TRAFFIC SIGNAL POST, 16 FT. (SPECIAL)	EA	4	-	4	-	-	-	-	-
Δ	XX005937	L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN	EA	36	-	36	-	-	-	-	-
*	XX005940	REMOTE-CONTROLLED VIDEO SYSTEM	EA	1	-	1	-	-	-	-	-
*	XX006338	EROSION CONTROL BLANKET (SPECIAL)	SY	34305	14940	-	-	1510	17855	-	-
Δ	XX006655	LAYER II (DATA LINK) SWITCH	EA	1	-	1	-	-	-	-	-
Δ	XX006658	FLOCCULATION LOGS	EA	20	10	-	-	-	10	-	-
Δ	X8620020	UNINTERRUPTIBLE POWER SUPPLY (UPS)	EA	1	-	1	-	-	-	-	-
Δ	XX006676	FLOCCULATION SOCKS	EA	20	10	-	-	-	10	-	-
Δ	A2006624	TREES, QUERCUS IMBRICARIA (SHINGLE OAK), 3" CALIPER, BALLED AND BURLAPPED	EA	4	2	-	-	-	1	-	1
Δ	XX007343	MULCH, SHREDDED HARDWOOD, 4"	SY	250	250	-	-	-	-	-	-
Δ	A3005210	TREES, ZELKOVA SERRATA (JAPANESE ZELKOVA), 2 1/2" CALIPER, BALLED AND BURLAPPED (SPECIAL)	EA	9	4	-	-	-	-	-	5
*	XX206400	MAILBOX POST	EA	30	9	-	-	-	21	-	-
*	Z0001050	AGGREGATE SUBGRADE 12"	SY	50070	27955	-	-	-	22115	-	-
*	Z0013798	CONSTRUCTION LAY OUT	LS	1	1	-	-	-	-	-	-
*	Z0017400	DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED	EA	9	-	-	-	-	8	-	1
*	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EA	249	111	-	-	-	131	-	7
	Z0019600	DUST CONTROL WATERING	UN	60	32	-	-	-	28	-	-
	Z0022800	FENCE REMOVAL	FT	290	-	-	-	-	290	-	-
*	Z0062400	SAWING BITUMINOUS CONCRETE PAVEMENT	FT	910	295	-	-	-	465	-	150
*	Z0064600	SELECTIVE CLEARING	AC	1	-	-	-	-	1	-	-
*	Z0076800	TRAINEES	HRS	4000	2000	-	-	-	2000	-	-
Δ	56106600	ADJUSTING WATERMAIN 12"	FT	250	-	-	-	-	-	250	-
Δ	56106700	ADJUSTING WATERMAIN 16"	FT	100	-	-	-	100	-	-	4
Δ	56400400	FIRE HYDRANT TO BE RELOCATED	EA	16	-	-	-	4	-	12	-
Δ	56500200	DOMESTIC WATER SERVICE BOX TO BE MOVED	EA	25	-	-	-	3	-	22	-
Δ	B2001160	TREES, CERCIIDIPHYLLUM JAPONICUM (KATSURATREE), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EA	20	6	-	-	-	14	-	-
*	XX008117	STORM WATER TREATMENT UNIT	EA	1	-	-	-	-	1	-	-

Δ = SPECIALTY ITEMS
+ = Y080

PLANS PREPARED BY: GEWALT HAMILTON ASSOCIATES, INC. <small>Consulting Engineers & Surveyors 859 Forest Ridge Drive Vernon Hills, IL 60061 (847) 476-9700 (847) 476-9701 Fax</small>	REVISIONS	
	NAME	DATE
	REV.-1 IDOT COMMENTS	02-03-06
	REV.-2	05/02/06
	REV.-5 PRE-FINAL SUB PS&E SUBMITTAL PER IDOT COMMENTS	02-20-09 04-10-09 08-05-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

DRAWN BY: TAR DATE: 8/24/05
CHECKED BY: TPG

WASHINGTON STREET

SCHEDULE OF QUANTITIES - EARTHWORK

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-0C-FP	LAKE	180	7
SCHEDULE OF QUANTITIES				
ILLINOIS				

STA	EARTH EXCAVATION			REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL			EARTH EX. ADJUSTED FOR SHRINKAGE 15%			FURNISHED EXCAVATION			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)		
	Stage 1 CY	Stage 2 CY	Stage 3 CY	Stage 1 CY	Stage 2 CY	Stage 3 CY	Stage 1 CY	Stage 2 CY	Stage 3 CY	Stage 1 CY	Stage 2 CY	Stage 3 CY	Stage 1 CY	Stage 2 CY	Stage 3 CY
100+64															
100+91	3.8	11.8	9.4	0.0	0.0	0.0	3.2	10.1	8.0	0.0	0.0	0.0	3.2	10.1	8.0
101+00	33.0	135.6	105.9	0.0	0.0	0.0	28.0	115.2	90.0	0.4	0.0	0.0	27.6	115.2	90.0
101+50	32.4	154.4	112.6	0.0	0.0	0.0	27.5	131.3	95.7	0.4	0.0	0.0	27.2	131.3	95.7
101+99	1.2	3.8	2.6	0.0	0.0	0.0	1.0	3.2	2.2	0.0	0.0	0.0	1.0	3.2	2.2
102+00	79.7	206.1	138.8	0.0	0.0	0.0	67.8	175.2	118.0	0.0	0.0	0.0	67.8	175.2	118.0
102+50	76.9	220.2	143.8	0.0	0.0	0.0	65.3	187.2	122.2	0.2	7.9	0.0	65.1	179.3	122.2
103+00	71.2	243.0	149.1	0.0	0.0	0.0	60.5	206.5	126.7	1.3	9.4	0.0	59.2	197.2	126.7
103+50	58.5	224.7	131.6	0.0	0.0	0.0	49.7	191.0	111.8	3.3	4.4	0.0	46.5	186.6	111.8
103+95	7.9	23.6	13.5	0.0	0.0	0.0	6.7	20.0	11.5	0.3	0.6	0.0	6.4	19.4	11.5
104+00	95.5	223.2	126.2	0.0	0.0	0.0	81.1	189.8	107.3	0.0	6.0	0.0	81.1	183.7	107.3
104+50	78.8	211.8	118.9	0.0	0.0	0.0	67.0	180.0	99.3	5.1	8.8	0.0	61.9	171.2	99.3
105+00	3.2	7.8	4.0	0.0	0.0	0.0	2.8	6.6	3.4	0.2	0.5	0.0	2.6	6.1	3.4
105+02	96.4	181.8	89.4	0.0	0.0	0.0	82.0	154.5	76.0	0.0	15.6	0.0	82.0	139.0	76.0
105+50	76.2	180.3	85.6	0.0	0.0	0.0	64.8	153.2	72.7	4.5	18.5	0.0	60.2	134.7	72.7
106+00	4.1	9.9	4.4	0.0	0.0	0.0	3.5	8.4	3.7	0.3	1.3	0.0	3.2	7.0	3.7
106+03	81.4	147.0	63.6	0.0	0.0	0.0	69.2	125.0	54.1	0.0	22.5	0.0	69.2	102.5	54.1
106+50	36.5	85.5	36.6	0.0	0.0	0.0	31.0	72.6	31.1	2.6	15.6	0.0	28.4	57.0	31.1
106+78	18.5	64.2	27.3	0.0	0.0	0.0	15.7	54.5	23.2	4.6	16.0	0.0	11.2	38.6	23.2
107+00	38.8	143.5	61.7	0.0	0.0	0.0	33.8	122.0	52.4	14.1	58.7	0.0	19.8	63.3	52.4
107+50	38.0	144.1	62.8	0.0	0.0	0.0	33.1	122.5	53.4	55.5	60.9	0.0	-22.3	61.5	53.4
108+00	27.8	76.2	33.9	0.0	0.0	0.0	23.6	64.7	28.8	32.0	22.5	0.0	-8.4	42.2	28.8
108+26	32.1	80.5	33.0	0.0	0.0	0.0	27.3	68.4	28.1	14.1	10.0	0.0	13.2	58.5	28.1
108+50	64.1	175.5	71.0	0.0	0.0	0.0	54.5	149.1	60.4	33.0	8.1	0.0	21.5	141.0	60.4
109+00	75.4	168.4	71.6	0.0	0.0	0.0	64.1	143.2	60.8	22.4	19.9	0.0	41.7	123.3	60.8
109+50	79.2	173.2	72.1	0.0	0.0	0.0	67.3	147.3	61.3	13.9	21.0	0.0	53.4	126.2	61.3
110+00	67.6	175.9	72.3	0.0	0.0	0.0	57.5	149.5	61.5	16.3	15.6	0.0	41.2	133.9	61.5
110+50	79.5	180.3	71.8	0.0	0.0	0.0	67.6	153.2	61.0	10.4	11.2	0.0	57.2	142.0	61.0
111+00	91.9	181.4	69.3	0.0	0.0	0.0	78.1	154.2	58.9	6.4	10.6	0.0	71.7	143.5	58.9
111+50	89.2	169.6	66.4	0.0	0.0	0.0	75.8	144.2	56.4	6.2	10.7	0.0	69.6	133.4	56.4
112+00	90.1	167.0	66.9	0.0	0.0	0.0	76.6	142.0	56.8	6.4	9.6	0.0	70.2	132.4	56.8
112+50	98.9	171.2	68.7	0.0	0.0	0.0	84.1	145.5	58.4	4.3	10.7	0.0	79.8	134.8	58.4
113+00	104.8	172.5	70.0	0.0	0.0	0.0	89.1	146.6	59.5	2.3	9.9	0.0	86.8	136.7	59.5
113+50	108.1	173.1	70.3	0.0	0.0	0.0	91.8	147.1	59.7	1.8	7.2	0.0	90.1	139.9	59.7
114+00	111.2	166.4	70.5	0.0	0.0	0.0	94.5	141.4	59.9	0.9	6.1	0.0	93.6	135.3	59.9
114+50	111.7	166.0	72.0	0.0	0.0	0.0	94.9	141.1	61.2	0.3	4.5	0.0	94.6	136.6	61.2
115+00	109.3	173.2	74.4	0.0	0.0	0.0	92.9	147.3	63.3	0.0	2.6	0.0	92.9	144.7	63.3
115+50	106.7	128.9	74.6	0.0	0.0	0.0	90.7	109.6	63.4	1.5	1.1	0.0	89.2	108.4	63.4
116+00	14.0	10.4	9.6	0.0	0.0	0.0	11.9	8.8	8.1	0.4	0.1	0.0	11.5	8.7	8.1
116+13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
116+50	50.0	89.6	58.7	0.0	0.0	0.0	42.5	76.2	49.9	0.0	1.0	0.0	42.5	75.2	49.9
117+00	102.7	174.0	95.6	0.0	0.0	0.0	87.3	147.9	81.2	1.2	3.2	0.0	86.1	144.6	81.2
117+50	105.5	173.9	73.7	0.0	0.0	0.0	89.6	147.8	62.6	2.2	3.1	0.0	87.4	144.7	62.6
118+00	100.6	193.6	75.0	0.0	33.8	31.9	85.6	164.6	63.8	2.8	1.2	0.0	82.8	163.4	63.8
118+50	88.2	217.5	77.0	0.0	67.6	63.9	75.0	184.9	65.5	6.8	0.3	0.0	68.2	184.6	65.5
119+00	77.1	236.4	78.3	0.0	73.1	63.9	65.6	200.9	66.6	12.5	0.0	0.0	53.1	200.9	66.6
119+50	78.1	250.5	79.3	0.0	81.9	63.9	66.3	212.9	67.4	16.6	0.0	0.0	49.8	212.9	67.4
120+00	13.6	40.7	12.4	0.0	13.7	10.2	11.6	34.6	10.5	2.1	0.3	0.0	9.5	34.3	10.5
120+08	80.7	214.1	62.6	0.0	72.3	53.7	68.6	182.0	53.2	4.9	1.5	0.0	63.7	180.5	53.2
120+50	98.6	246.7	73.8	0.0	86.1	63.9	83.8	209.7	62.7	3.1	11.0	0.0	80.8	198.6	62.7
121+00	86.9	219.3	72.9	0.0	89.8	63.9	73.8	186.4	61.9	3.5	20.0	0.0	70.3	166.4	61.9
121+50	67.7	177.2	63.9	0.0	79.9	56.7	57.5	150.6	54.3	2.9	6.3	0.0	54.6	144.3	54.3
121+85	17.3	46.8	16.9	0.0	32.5	26.9	14.7	39.8	14.4	0.6	0.0	0.0	14.0	39.8	14.4
122+00	0.0	0.0	0.0	0.0	100.0	77.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122+50	38.3	62.5	44.4	0.0	93.1	89.4	32.6	53.1	37.7	4.2	16.7	0.0	28.4	36.5	37.7
123+00	64.4	125.4	93.5	0.0	63.9	93.5	54.7	106.6	79.5	9.2	29.0	0.0	45.5	77.6	79.5
123+50	63.9	130.5	95.7	0.0	63.9	86.1	54.3	110.9	81.4	7.0	20.7	0.0	47.3	90.2	81.4
124+00	83.1	137.6	93.1	0.0	31.9	43.1	70.6	117.0	79.1	2.9	17.0	0.0	67.7	99.9	79.1
124+50	102.9	138.7	77.8	0.0	0.0	0.0	87.4	117.9	66.1	0.8	20.0	0.0	86.6	97.9	66.1
125+00	108.8	141.1	61.1	0.0	0.0	0.0	92.5	119.9	51.9	0.0	13.6	0.0	92.5	106.3	51.9
125+50	93.7	158.4	59.4	0.0	0.0	0.0	79.6	134.7	50.5	1.4	2.2	0.0	78.3	132.4	50.5
126+00	87.3	192.4	60.8	0.0	0.0	0.0	74.2	163.5	51.7	5.3	0.0	0.0	68.9	163.5	51.7
126+50	108.9	223.1	62.6	0.0	0.0	0.0	92.6	189.6	53.2	3.9	0.0	0.0	88.7	189.6	53.2
127+00	86.9	256.5	62.9	0.0	0.0	0.0	73.8	218.0	53.4	20.1	0.0	0.0	53.7	218.0	53.4
127+50	43.7	256.4	61.3	0.0	0.0	0.0	37.1	217.9	52.1	42.0	0.1	0.0	-4.9	217.8	52.1
128+00	40.2	211.5	58.4	0.0	0.0	0.0	34.2	179.8	49.7	39.5	0.1	0.0	-5.4	179.7	49.7
128+50	40.7	170.0	56.6	0.0	0.0	0.0	34.6	144.5	48.1	30.2	3.7	0.0	4.4	140.8	48.1
129+00	43.2	134.3	56.1	0.0	0.0	0.0	36.8	114.1	47.7	46.4	3.7	0.0	-9.6	110.4	47.7
129+50	41.7	107.4	57.0	0.0	0.0	0.0	35.4	91.3	48.5	72.4	16.9	0.0	-37.0	74.4	48.5
130+00	41.7	97.2	58.4	0.0	0.0	0.0	35.4	82.6	49.7	62.9	34.7	0.0	-27.5	47.9	49.7
130+50	64.7	98.3	59.0	0.0	0.0	0.0	55.0	83.6	50.1	29.9	35.6	0.0	25.1	47.9	50.1
131+00	22.0	22.7	13.0	0.0	0.0	0.0	18.7	19.3	11.1	1.2	6.1	0.0	17.4	13.1	11.1
131+11	119.2	85.1	46.6	0.0	0.0	0.0	101.4	72.3	39.6	0.0	14.4	0.0	101.4	57.9	39.6
131+50	166.6	113.9	58.3	0.0	0.0	0.0	141.6	96.8	49.6	0.0	12.4	0.0	141.6	84.4	49.6
132+00	174.4	126.5	54.1	0.0	0.0	0.0	148.3	107.5	46.0	0.0	3.9	0.0	148.3	103.6	46.0
132+50	218.1	162.7	51.6	0.0	0.0	0.0	185.3	138.3	43.8	0.0	0.0	0.0	185.3	138.3	43.8
133+00	190.3	187.3	53.1	0.0	0.0	0.0	161.7	159.2	45.2	0.0	0.0	0.0	161.7	159.2	45.2
133+50	140.1	189.4	57.7	0.0	0.0	0.0	119.1	160.9	49.0	0.0	0.0	0.0	119.1	160.9	49.0
134+00	119.0	191.3	62.4	0.0	0.0	0.0	101.1	162.6	53.0	0.1	0.0	0.0	101.0	162.6	53.0
134+50	67.8	123.1	50.5	0.0	0.0	0.0	57.7								

SCHEDULE OF PAVEMENT REMOVAL WASHINGTON STREET

STATION	FROM	TO	SQ. YD.
100+64	108+50		4,065.0
108+50	120+75		5,950.0
120+75	133+50		6,200.0
133+50	134+05		1,80.0
TOTAL			16,395.0

SCHEDULE OF COMB. CONC. CURB AND GUTTER, B-6.24 WASHINGTON STREET

STATION	FROM	TO	FEET
100+64	102+00		275.0
102+00	108+50		1,300.0
108+50	115+00		1,300.0
115+00	120+75		1,180.0
120+75	127+00		1,250.0
127+00	133+50		1,300.0
133+50	134+05		120.0
TOTAL			6,725.0

SCHEDULE OF HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12" POLYMEZED HOT-MIX ASPHALT SURFACE COURSE, MIX 'F', N90, 2" BITUMINOUS MATERIALS (PRIME COAT) AGGREGATE (PRIME COAT) SURFACE: 0.0560 TONS/SY-IN - BIT PRIME: 0.10 GAL/SY - AGG PRIME: 4 LBS/SY WASHINGTON STREET

STATION	FROM	TO	AREA (SY)	DEPTH (INCHES)	SURFACE (TON)	BIT MAT (GAL)	AGG MAT (TON)
100+64	102+00		870.0	2.0	98.0	87.0	2
102+00	108+50		4,333.0	2.0	486.0	434.0	9
108+50	115+00		4,333.0	2.0	486.0	434.0	9
115+00	120+75		4,277.0	2.0	479.0	428.0	9
120+75	127+00		5,425.0	2.0	608.0	543.0	11
127+00	133+50		4,435.0	2.0	498.0	444.0	9
133+50	138+00		367.0	2.0	42.0	37.0	1
TOTALS			24,040.0		2,697.0	2,407.0	50

SCHEDULE OF HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 12" POLYMEZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" BITUMINOUS MATERIALS (PRIME COAT) BINDER: 0.0560 TONS/SY-IN - BIT PRIME: 0.25 GAL/SY WASHINGTON STREET

STATION	FROM	TO	AREA (SY)	BINDER DEPTH (INCHES)	BINDER (TON)	POLY BINDER DEPTH (INCHES)	POLY BINDER (TON)	BIT MAT (GAL)
100+64	102+00		870.0	8.0	390.0	2.0	98.0	218.0
102+00	108+50		4,333.0	8.0	1942.0	2.0	486.0	1084.0
108+50	115+00		4,333.0	8.0	1942.0	2.0	486.0	1084.0
115+00	120+75		4,277.0	8.0	1917.0	2.0	479.0	1070.0
120+75	127+00		5,425.0	8.0	2430.0	2.0	608.0	1357.0
127+00	133+50		4,435.0	8.0	1987.0	2.0	498.0	1109.0
133+50	138+00		369.0	8.0	165.0	2.0	42.0	92.0
TOTALS			24,040.0		10,773.0		2,697.0	6,014.0

SCHEDULE OF TREE PROTECTION WASHINGTON STREET

STATION	FROM	TO	QTY
100+64	102+00		1
102+00	108+50		19
108+50	115+00		7
115+00	120+75		1
120+75	127+00		2
127+00	133+50		3
133+50	138+00		7
138+00	143+00		
OUTLOT			8
TOTAL			48

SCHEDULE OF 4" PIPE UNDERDRAIN WASHINGTON STREET

STATION	FROM	TO	LENGTH
100+64	102+00		352
102+00	108+50		1460
108+50	115+00		1460
115+00	120+75		1212
120+75	127+00		1010
127+00	133+50		1428
133+50	138+00		133
138+00	143+00		
OUTLOT			
TOTAL			7055

SCHEDULE OF DRIVEWAY PAVEMENT REMOVAL WASHINGTON STREET

STATION	FROM	TO	SQ. YD.
100+64	108+50		360.0
108+50	120+75		70.0
120+75	133+50		180.0
133+50	134+05		135.0
TOTAL			745.0

SCHEDULE OF STORM SEWER END SECTIONS WASHINGTON STREET

STATION	FROM	TO	48" HEADWALL IDOT STND	36" RCP FES
			542106	542301
100+64	102+00		0	0
102+00	108+50		0	1
108+50	115+00		0	0
115+00	120+75		0	0
120+75	127+00		0	0
127+00	133+50		0	0
133+50	138+00		2	0
	OUTLOT		0	0
TOTAL			2	1

SCHEDULE OF TRENCH BACKFILL WASHINGTON STREET

STATION	FROM	TO	TRENCH BACKFILL (CY)
100+64	102+00		48
102+00	108+50		78
108+50	115+00		90
115+00	120+75		119
120+75	127+00		287
127+00	133+50		77
133+50	138+00		78
138+00	143+00		0
500+00	560+00		13
TOTAL			790

SCHEDULE OF THERMOPLASTIC PAVEMENT MARKINGS WASHINGTON STREET

STATION	FROM	TO	4" (LF)	5" (LF)	6" (LF)	8" (LF)	12" (LF)	24" (LF)	LETTERS & SYMBOLS (SF)
100+64	102+00		1,840	272	500	0	110	36	146
102+00	108+50		2,920	1,300	0	0	135	0	0
108+50	115+00		2,740	1,300	135	0	125	0	36
115+00	120+75		1,800	1,180	435	0	230	14	73
120+75	127+00		1,590	850	380	0	40	0	73
127+00	133+50		2,660	1,300	0	0	265	0	0
133+50	138+00		1,200	600	0	0	150	0	0
138+00	143+00		0	0	0	0	0	0	0
500+00	560+00		0	0	0	0	0	0	0
TOTAL			14,750	6,802	1,450	0	1,055	50	328

SCHEDULE OF BARB WIRE FENCE REMOVAL WASHINGTON STREET

STATION	FROM	TO	LENGTH
100+64	108+50		
108+50	120+75		
120+75	133+50		530.0
133+50	135+05		450.0
TOTAL			980.0

SCHEDULE OF STRUCTURES TO BE REMOVED WASHINGTON STREET

STATION	FROM	TO	MH	CB	INL
100+64	108+50		2	2	1
108+50	120+75				1
120+75	133+50		2		4
133+50	135+05				
TOTAL			4	2	6

SCHEDULE OF SIDEWALK REMOVAL WASHINGTON STREET

STATION	FROM	TO	SQ. FT.
100+64	108+50		1,000.0
108+50	120+75		2,160.0
120+75	133+50		775.0
133+50	134+05		1,740.0
TOTAL			5,675.0

SCHEDULE OF STRUCTURES TO BE RECONSTRUCTED WASHINGTON STREET

STATION	FROM	TO	MH	TY	1 FR	VV
100+64	102+00					
102+00	108+50					
108+50	115+00		1			
115+00	120+75					
120+75	127+00					
127+00	133+50					
133+50	138+00					
138+00	143+00					
OUTLOT						
TOTAL			1		0	0

SCHEDULE OF PAVING - SHARED USE PATH HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50, 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N50 2" BINDER: 0.0560 TONS/SY-IN SURFACE: 0.0560 TONS/SY-IN WASHINGTON STREET

STATION	FROM	TO	AGG BASE	BINDER	SURFACE
100+64	102+00		0.0	0.0	0.0
102+00	108+50		150.0	17.0	17.0
108+50	115+00		722.0	83.0	83.0
115+00	120+75		560.0	65.0	65.0
120+75	127+00		560.0	65.0	65.0
127+00	133+50		722.0	83.0	83.0
133+50	138+00		60.0	7.0	7.0
TOTAL			2,774.0	320.0	320.0

SCHEDULE OF STORM SEWER STRUCTURE INSTALLATION WASHINGTON STREET

STATION	FROM	TO	48" MH TY 1 CL	48" MH TY 8 GR	48" MH TY 11 GR	48" MH TY 24 CL	60" MH TY 1 CL	72" MH TY 1 CL	48" CB TY 1 FR	48" CB TY 24 GR	60" CB TY 1 CL	24" INL TY 1 GR	24" INL TY 8 GR	24" INL TY 24 GR
100+64	102+00		3	0	0	0	0	0	1	0	0	0	0	2
102+00	108+50		3	0	0	3	2	2	0	4	0	0	6	3
108+50	115+00		5	0	0	0	0	0	0	5	0	0	1	5
115+00	120+75		1	0	0	0	0	0	0	1	0	1	0	1
120+75	127+00		2	2	1	1	0	0	1	4	0	1	0	3
127+00	133+50		3	1	0	2	0	0	0	4	0	1	2	2
133+50	135+05		2	1	0	0	0	1	1	1	0	0	0	1
	OUTLOT		0	0	0	0	0	0	0	0	1	0	0	0
TOTAL			19	4	1	6	2	3	3	19	1	3	9	17

SCHEDULE OF STRUCTURES TO BE ADJUSTED WASHINGTON STREET

STATION	FROM	TO	CB	VV
100+64	102+00		1	-
102+00	108+50		-	-
108+50	115+00		-	-
115+00	120+75		1	2
120+75	127+00		-	3
127+00	133+50		-	3
133+50	138+00		1	1
138+00	143+00		-	-
OUTLOT			3	6

FIRE HYDRANTS TO BE RELOCATED WASHINGTON STREET

STATION	FROM	TO	QTY
100+64	108+50		1
108+50	120+75		0
120+75	133+50		3
133+50	135+05		0
TOTAL			4

SCHEDULE OF PAVING - DRIVEWAYS HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50, 2.5" AGGREGATE BASE COURSE, TYPE 'B' 6" BINDER: 0.0560 TONS/SY-IN SURFACE: 0.0560 TONS/SY-IN WASHINGTON STREET

STATION	FROM	TO	AGG BASE (SY)	SURFACE (TONS)
100+64	102+00		30.0	5.0
102+00	108+50		92.0	14.0
108+50	115+00		0.0	0.0
115+00	120+75		36.0	5.0
120+75	127+00		27.0	4.0
127+00	133+50		24.0	4.0
133+50	138+00		165.0	24.0
TOTAL			369.0	56.0

SCHEDULE OF GEOTEXTILE FABRIC WASHINGTON STREET

STATION	FROM	TO	LENGTH (FT)	AVG. WIDTH (FT)	SQ. YD.
100+64	102+00		0.0	0.0	0.0
102+00	108+50		0.0	0.0	0.0
108+50	115+00		0.0	0.0	0.0
115+00</					

CEMETERY ROAD
SCHEDULE OF QUANTITIES - EARTHWORK

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-0C-FP	LAKE	180	9
SCHEDULE OF QUANTITIES				
ILLINOIS				

STA	EARTH EXCAVATION (CY)	R&D UNSUITABLE (CY)	EARTH EX ADJUST (CY)	EMBANKMENT (CY)	C/F BALANCE (CY)	STA	EARTH EX (CY)	R&D UNSUITABLE (CY)	EX ADJUSTED (CY)	EMBANKMENT (CY)	BALANCE (CY)
198+00	0.0	0.0	0.0	0.0	0.0	222+50	112.1	0.0	95.3	10.7	84.6
198+50	73.9	0.0	62.8	0.0	62.8	222+84	65.5	0.0	55.7	4.1	51.6
199+00	158.9	0.0	135.1	0.0	135.1	223+00	147.6	0.0	125.5	8.6	116.9
199+50	85.0	0.0	72.3	0.0	72.3	223+35	59.6	0.0	50.6	1.8	48.9
200+00	0.0	0.0	0.0	0.0	0.0	223+50	190.7	0.0	162.1	5.7	156.4
200+50	0.0	0.0	0.0	0.0	0.0	224+00	149.5	0.0	127.1	16.7	110.4
201+00	178.1	0.0	151.4	0.0	151.4	224+50	124.9	0.0	106.2	19.2	87.0
201+50	299.3	0.0	254.4	0.0	254.4	225+00	152.2	0.0	129.4	15.2	114.2
201+92	49.8	0.0	42.4	0.0	42.4	225+50	20.3	0.0	17.3	0.9	16.4
202+00	259.9	0.0	220.9	0.0	220.9	225+55	215.3	0.0	183.0	2.0	181.0
202+50	192.4	0.0	163.5	6.9	156.7	226+00	380.8	0.0	323.7	17.2	306.6
203+00	54.9	0.0	46.6	8.1	38.5	226+37	58.9	0.0	50.1	2.5	47.6
203+25	108.8	0.0	92.5	13.7	78.8	226+50	210.7	0.0	179.1	8.8	170.3
203+50	143.6	0.0	122.1	9.0	113.1	227+00	155.6	0.0	132.2	16.8	115.5
204+00	153.3	0.0	130.3	13.8	116.5	227+50	93.1	0.0	79.2	32.4	46.8
204+50	157.0	0.0	133.5	14.4	119.1	228+00	62.5	0.0	53.1	54.6	-1.5
205+00	169.4	0.0	143.9	13.9	130.1	228+50	79.2	0.0	67.3	46.1	21.2
205+50	162.9	0.0	138.5	18.5	120.0	229+00	120.1	0.0	102.1	26.5	75.6
205+95	18.7	0.0	15.9	1.3	14.6	229+50	152.3	0.0	129.5	13.6	115.9
206+00	88.5	0.0	75.2	0.9	74.4	230+00	166.1	0.0	141.2	6.1	135.1
206+23	106.0	0.0	90.1	1.0	89.1	230+50	169.9	0.0	144.4	8.7	135.7
206+50	90.4	0.0	76.8	6.1	70.8	231+00	154.3	0.0	131.1	15.3	115.8
206+74	56.4	0.0	48.0	3.2	44.8	231+50	126.5	0.0	107.5	36.7	70.8
206+88	52.7	0.0	44.8	0.0	44.8	232+00	49.5	0.0	42.1	35.5	6.6
207+00	204.5	0.0	173.9	0.5	173.4	232+28	37.1	0.0	31.5	24.0	7.6
207+50	175.7	0.0	149.4	8.3	141.0	232+50	114.9	0.0	97.7	28.1	69.6
208+00	166.0	0.0	141.1	13.0	128.2	233+00	179.2	0.0	152.3	10.0	142.3
208+50	187.0	0.0	159.0	10.4	148.6	233+50	291.4	0.0	247.7	0.0	247.7
209+00	194.4	0.0	165.2	18.6	146.6	234+00	359.8	0.0	305.8	0.0	305.8
209+50	61.5	0.0	52.2	7.4	44.8	234+50	362.8	0.0	308.4	0.0	308.4
209+67	56.3	0.0	47.9	6.4	41.5	235+00	251.4	0.0	213.7	0.4	213.3
209+83	58.8	0.0	50.0	4.0	46.0	235+39	74.4	0.0	63.3	0.1	63.2
210+00	80.5	0.0	68.4	5.5	62.9	235+50	305.8	0.0	260.0	0.0	260.0
210+27	55.3	0.0	47.0	10.1	36.9	236+00	240.8	0.0	204.7	0.0	204.7
210+50	107.3	0.0	91.2	23.6	67.6	236+50	256.3	0.0	217.9	0.5	217.4
211+00	74.4	0.0	63.2	20.7	42.6	237+00	223.1	0.0	189.6	2.9	186.7
211+41	14.6	0.0	12.4	5.8	6.6	237+50	168.9	0.0	143.6	9.8	133.7
211+50	40.0	0.0	34.0	13.6	20.4	238+00	152.8	0.0	129.9	14.3	115.6
211+74	46.3	0.0	39.4	8.3	31.0	238+50	143.6	0.0	122.1	29.5	92.5
212+00	5.5	0.0	4.7	1.1	3.6	239+00	35.1	0.0	29.9	36.7	-6.8
212+03	78.9	0.0	67.0	24.7	42.3	239+12	141.7	0.0	120.4	166.8	-46.4
212+50	86.5	0.0	73.5	29.2	44.3	239+50	292.3	0.0	248.5	90.0	158.5
213+00	17.3	0.0	14.7	3.4	11.3	240+00	285.2	0.0	242.4	0.6	241.8
213+08	112.9	0.0	96.0	38.1	57.9	240+50	133.1	0.0	113.1	0.1	113.1
213+50	146.2	0.0	124.3	118.8	5.5	240+84	64.5	0.0	54.8	0.1	54.7
214+00	144.4	0.0	122.7	84.6	38.1	241+00	206.9	0.0	175.9	0.5	175.4
214+50	52.1	0.0	44.3	3.0	41.3	241+50	182.7	0.0	155.3	3.4	151.9
214+67	117.3	0.0	99.7	2.4	97.2	242+00	159.5	0.0	135.6	8.9	126.7
215+00	41.2	0.0	35.0	2.8	32.1	242+50	135.2	0.0	114.9	16.7	98.2
215+12	125.0	0.0	106.2	9.0	97.2	243+00	92.6	0.0	78.7	35.3	43.4
215+50	167.1	0.0	142.1	13.0	129.1	243+50	69.4	0.0	59.0	54.9	4.1
216+00	23.1	0.0	19.6	1.5	18.1	244+00	73.0	17.1	62.0	60.3	1.7
216+06	203.1	0.0	172.7	0.0	172.7	244+50	100.8	34.7	85.7	54.3	31.4
216+50	49.4	0.0	42.0	2.4	39.6	245+00	129.5	36.1	110.1	49.5	60.6
216+62	136.6	0.0	116.1	13.2	102.9	245+50	130.6	37.5	111.1	56.4	54.7
216+96	17.9	0.0	15.2	0.8	14.4	246+00	102.2	38.9	86.9	83.1	3.8
217+00	226.9	0.0	192.9	0.0	192.9	246+50	86.9	39.8	73.9	101.9	-27.9
217+50	234.4	0.0	199.2	10.4	188.8	247+00	96.9	39.8	82.3	90.7	-8.4
218+00	77.0	0.0	65.4	6.2	59.3	247+50	124.7	39.8	106.0	65.9	40.1
218+16	179.0	0.0	152.2	6.0	146.1	248+00	139.4	39.8	118.4	40.9	77.5
218+50	287.8	0.0	244.6	0.0	244.6	248+50	78.0	19.6	66.3	10.0	56.3
219+00	326.2	0.0	277.3	0.0	277.3	248+74	100.5	21.7	85.5	5.4	80.0
219+50	329.4	0.0	279.9	0.0	279.9	249+00	187.8	41.7	159.6	10.6	149.0
220+00	23.6	0.0	20.0	0.0	20.0	249+50	157.8	41.7	134.1	11.7	122.4
220+04	57.1	0.0	48.6	0.0	48.6	250+00	139.9	41.7	118.9	11.6	107.3
220+14	206.1	0.0	175.2	0.0	175.2	250+50	45.6	14.2	38.7	3.3	35.4
220+50	174.2	0.0	148.1	0.9	147.1	250+67	89.8	28.1	76.4	4.7	71.7
220+84	68.4	0.0	58.2	0.6	57.6	251+00	196.9	43.5	167.4	3.2	164.2
221+00	134.1	0.0	114.0	5.6	108.4	251+50	104.5	39.4	88.8	0.2	88.6
221+35	52.4	0.0	44.6	3.4	41.2	251+93	0.0	3.4	0.0	0.0	0.0
221+50	80.5	0.0	68.4	6.4	62.0	252+00	0.0	0.0	0.0	0.0	0.0
221+75	77.5	0.0	65.9	7.0	58.9	252+50	0.0	0.0	0.0	0.0	0.0
222+00	153.5	0.0	130.5	15.1	115.4						
Totals							18,658.4	618.4	15,859.6	2,279.0	13,580.6

SCHEDULE OF 6" CHAIN LINK FENCE
CEMETERY ROAD

STATION	FROM	TO	LENGTH
198+45	204+25	0	
204+25	210+50	0	
210+50	216+50	0	
216+50	223+00	0	
223+00	229+50	300	
229+50	236+00	530	
236+00	242+50	650	
242+50	247+50	250	
247+50	253+00	0	
TOTAL			1730

SCHEDULE OF CHAIN LINK FENCE RELOCATION
CEMETERY ROAD

STATION	FROM	TO	LENGTH
198+45	210+45		
210+45	222+92		
222+92	235+40	875.0	
235+40	247+90	861.0	
247+90	253+00		
TOTAL			1,736.0

SCHEDULE OF 4" UNDERDRAIN PIPE
CEMETERY ROAD

STATION	FROM	TO	LENGTH
198+45	204+25	32.0	
204+25	210+50	176.0	
210+50	216+50	112.0	
216+50	223+00	228.0	
223+00	229+50	192.0	
229+50	236+00	128.0	
236+00	242+50	128.0	
242+50	247+50	192.0	
247+50	253+00	80.0	
TOTAL			1268.0

STRUCTURES TO BE ADJUSTED
CEMETERY ROAD

STATION	FROM	TO	CB	VV
198+45	204+25	2.0	4.0	
204+25	210+50	1.0	0.0	
210+50	216+50	0.0	1.0	
216+50	223+00	0.0	1.0	
223+00	229+50	1.0	0.0	
229+50	236+00	4.0	2.0	
236+00	242+50	3.0	0.0	
242+50	247+50	0.0	0.0	
247+50	253+00	1.0	4.0	
TOTAL		12.0	12.0	

SCHEDULE OF TREE REMOVAL
CEMETERY ROAD

STATION	FROM	TO	6" TO 15"	15"+
198+45	210+45	24.0	200.0	
210+45	222+92	120.0	310.0	
222+92	235+40	18.0	391.0	
235+40	247+90	82.0	132.0	
247+90	253+00	0.0	265.0	
TOTAL		244.0	1298.0	

STRUCTURES TO BE RECONSTRUCTED
CEMETERY ROAD

STATION	FROM	TO	MH	MH TY 1 FR	VV
198+45	204+25	0.0	0.0		
204+25	210+50	0.0	0.0	0.0	
210+50	216+50	0.0	0.0	0.0	
216+50	223+00	0.0	0.0	0.0	
223+00	229+50	0.0	0.0	0.0	
229+50	236+00	1.0	0.0	1.0	
236+00	242+50	0.0	0.0	0.0	
242+50	247+50	0.0	0.0	0.0	
247+50	253+00	1.0	0.0	0.0	
TOTAL		2.0	0.0	1.0	

STORM SEWER TO BE REMOVED
CEMETERY ROAD

STATION	FROM	TO	4"	6"	10"	12"	18"	30"
198+45	210							

SUMMARY OF QUANTITIES

CONTRACT NO. 83845 ILLINOIS

SCHEDULE OF PAVEMENT REMOVAL CEMETERY ROAD

STATION	FROM	TO	SQ. YD.
198+00	210+45		2,300
210+45	222+92		2,800
222+92	235+40		2,800
235+40	247+90		3,350
247+90	253+00		1,280
	TOTAL		12,530

SCHEDULE OF 12" AGGREGATE SUBGRADE CEMETERY ROAD

STATION	FROM	TO	LENGTH (FT)	AVG. WIDTH (FT)	SQ. YD.
198+45	204+25		580.0	72.0	1,785
204+25	210+50		625.0	38.5	2,695
210+50	216+50		600.0	35.0	2,335
216+50	223+00		650.0	35.0	2,530
223+00	229+50		650.0	35.0	2,530
229+50	236+00		650.0	35.0	2,810
236+00	242+50		650.0	35.0	2,530
242+50	247+50		500.0	40.0	2,250
247+50	253+00		550.0	44.0	2,650
	TOTAL				22,115.0

SCHEDULE OF HOT-MIX ASPHALT (FULL DEPTH), 8" HOT-MIX ASPHALT BINDER COURSE IL-19.0 N50 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 4" - BITUMINOUS MATERIALS (PRIME COAT) BINDER / BASE: 0.0560 TONS/SY-IN - BIT PRIME: 0.25 GAL/SY CEMETERY ROAD

STATION	FROM	TO	AREA (SY)	BINDER DEPTH (INCHES)	BINDER (TON)	BIT MAT (GAL)	BINDER DEPTH (INCHES)	BINDER (TON)
198+45	204+25		608	2.0	68	152	4.0	136
204+25	210+50		2,210	2.0	248	552	4.0	495
210+50	216+50		1,870	2.0	215	468	4.0	420
216+50	223+00		2,025	2.0	227	506	4.0	454
223+00	229+50		2,025	2.0	227	506	4.0	454
229+50	236+00		2,245	2.0	252	560	4.0	460
236+00	242+50		2,025	2.0	227	506	4.0	454
242+50	247+50		1,850	0.0	219	463	4.0	414
247+50	253+00		2,260	0.0	284	565	4.0	507
	TOTALS		17,116.0		1,967.0	4,278.0		3,794.0

SCHEDULE OF HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N50 2" BITUMINOUS MATERIALS (PRIME COAT) - AGGREGATE (PRIME COAT) SURFACE: 0.0560 TONS/SY-IN - BIT PRIME: 0.10 GAL/SY - AGG PRIME: 4 LBS/SY CEMETERY ROAD

STATION	FROM	TO	AREA (SY)	DEPTH (INCHES)	SURFACE (TON)	BIT MAT (GAL)	AGG MAT (TON)
198+45	204+25		606	2.0	68	61	2
204+25	210+50		2,260	2.0	248	221	5
210+50	216+50		1,870	2.0	215	187	4
216+50	223+00		2,025	2.0	227	203	4
223+00	229+50		2,025	2.0	227	203	4
229+50	236+00		2,245	2.0	252	224	5
236+00	242+50		2,025	2.0	227	203	4
242+50	247+50		1,850	2.0	219	185	4
247+50	253+00		2,260	2.0	284	226	5
	TOTALS		17,116.0		1,967.0	1,713.0	37

SCHEDULE OF TREE PROTECTION CEMETERY ROAD

STATION	FROM	TO	QTY
198+45	204+25		12.0
204+25	210+50		15.0
210+50	216+50		2.0
216+50	223+00		20.0
223+00	229+50		20.0
229+50	236+00		5.0
236+00	242+50		1.0
242+50	247+50		11.0
247+50	253+00		7.0
	TOTAL		93.0

SCHEDULE OF DRIVEWAY PAVEMENT REMOVAL CEMETERY ROAD

STATION	FROM	TO	SQ. YD.
198+45	210+45		605
210+45	222+92		730
222+92	235+40		225
235+40	247+90		85
247+90	253+00		185
	TOTAL		1,830

SCHEDULE OF GEOTECHNICAL FABRIC FOR GROUND STABILIZATION CEMETERY ROAD

STATION	FROM	TO	LENGTH (FT)	AVG. WIDTH (FT)	SQ. YD.
198+45	204+25		0	0	0
204+25	210+50		0	0	0
210+50	216+50		0	0	0
216+50	223+00		0	0	0
223+00	229+50		0	0	0
229+50	236+00		0	0	0
236+00	242+50		0	0	0
242+50	247+50		400.0	40.0	2,480
247+50	253+00		350.0	44.0	3,105
	TOTAL				5,585.0

STRUCTURES TO BE REMOVED CEMETERY ROAD

STATION	FROM	TO	MH	CB	INL
198+45	210+45		1.0	0.0	1.0
210+45	222+92		0.0	1.0	2.0
222+92	235+40		0.0	0.0	0.0
235+40	247+90		0.0	0.0	0.0
247+90	253+00		2.0	0.0	1.0
	TOTAL		3.0	1.0	4.0

SCHEDULE OF THERMOPLASTIC PAVEMENT MARKINGS CEMETERY ROAD

STATION	FROM	TO	4" (LF)	5" (LF)	6" (LF)	12" (LF)	24" (LF)	LETTERS & SYMBOLS (SF)
198+45	204+25		1,010	60	540	1000	160	73
204+25	210+50		2,210	0	120	90	0	37
210+50	216+50		1,200	0	0	0	0	0
216+50	223+00		1,300	0	0	0	0	0
223+00	229+50		1,300	0	0	0	0	0
229+50	236+00		1,160	0	0	160	18	0
236+00	242+50		1,300	0	0	0	0	0
242+50	247+50		1,680	0	125	50	0	37
247+50	253+00		550	0	260	185	72	146
	TOTAL		11,710	60	1,045	1,485	250	293

SCHEDULE OF CURB REMOVAL CEMETERY ROAD

STATION	FROM	TO	FEET
198+45	210+45		195
210+45	222+92		0
222+92	235+40		0
235+40	247+90		40
247+90	253+00		440
	TOTAL		675

SCHEDULE OF COMB. CONC. CURB AND GUTTER, B-6.12 CEMETERY ROAD

STATION	FROM	TO	FEET
198+45	204+25		780
204+25	210+50		1,250
210+50	216+50		1,200
216+50	223+00		1,300
223+00	229+50		1,300
229+50	236+00		1,350
236+00	242+50		1,300
242+50	247+50		1,000
247+50	253+00		1,065
	TOTAL		10,525.0

SCHEDULE OF STORM SEWER END SECTIONS CEMETERY ROAD

STATION	FROM	TO	42" HEADWALL IDOT STND	48" HEADWALL IDOT STND	12" RCP FES IDOT STND	15" RCP FES IDOT STND	18" RCP FES IDOT STND	24" RCP FES IDOT STND	48" RCP FES IDOT STND
198+45	204+25		0	0	0	0	0	0	0
204+25	210+50		0	0	0	0	1	0	0
210+50	216+50		0	0	0	2	0	0	0
216+50	223+00		0	0	0	0	0	1	0
223+00	229+50		0	0	0	0	0	0	0
229+50	236+00		0	0	0	0	0	0	0
236+00	242+50		0	2	0	0	0	0	1
242+50	247+50		1	0	1	0	0	0	0
247+50	253+00		0	0	0	0	0	0	0
	TOTAL		1	2	1	2	1	1	1

SCHEDULE OF SIDEWALK REMOVAL CEMETERY ROAD

STATION	FROM	TO	SQ. FT.
198+45	210+45		0
210+45	222+92		50.0
222+92	235+40		0
235+40	247+90		0
247+90	253+00		0
	TOTAL		50.0

**SCHEDULE OF PAVING - SHARED USE PATH CEMETERY ROAD
HOT-MIX ASPHALT SURFACE COURSE, 'D', N50, 2"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N50 2"
AGGREGATE BASE COURSE, TYPE 'B' 6"
BINDER: 0.0560 TONS/SY-IN - SURFACE: 0.0560 TONS/SY-IN**

STATION	FROM	TO	AGG BASE (SY)	BINDER (TONS)	SURFACE (TONS)
198+45	204+25		140.0	16.0	16.0
204+25	210+50		696.0	78.0	78.0
210+50	216+50		667.0	77.0	77.0
216+50	223+00		722.0	83.0	83.0
223+00	229+50		722.0	83.0	83.0
229+50	236+00		622.0	72.0	72.0
236+00	242+50		700.0	79.0	79.0
242+50	247+50		560.0	64.0	64.0
247+50	253+00		400.0	45.0	45.0
	TOTAL		5,229.0	597.0	597.0

SCHEDULE OF COMB. CONC. CURB AND GUTTER, B-6.24 CEMETERY ROAD

STATION	FROM	TO	FEET
198+45	204+25		135.0
204+25	210+50		0
210+50	216+50		0
216+50	223+00		0
223+00	229+50		0
229+50	236+00		0
236+00	242+50		0
242+50	247+50		0
247+50	253+00		0
	TOTAL		135.0

SCHEDULE OF STORM SEWER STRUCTURE INSTALLATION CEMETERY ROAD

STATION	FROM	TO	48" MH TY 1 FR	48" MH TY 1 CL	48" MH TY 8 GR	48" MH TY 11 GR	60" MH TY 1 CL	60" MH CDS (SP)	24" CB TY 1 FR&GR	48" CB TY 1 GR	48" CB TY 23 GR	24" INL TY 1 GR	24" INL TY 8 GR	24" INL TY 11 FR&GR	72"x72" BOX TY 1 CL
198+45	204+25		0	1	0	1	0	0	0	0	1	0	0	1	0
204+25	210+50		0	1	4	7	2	1	0	0	0	2	2	3	0
210+50	216+50		0	4	0	5	0	0	1	0	0	0	1	1	0
216+50	223+00		0	0	1	4	2	0	0	0	0	1	2	2	0
223+00	229+50		4	1	2	6	0	0	0	0	0	0	2	4	0
229+50	236+00		0	0	3	4	0	0	0	0	0	2	0	4	0
236+00	242+50		1	0	2	4	0	0	0	0	0	1	1	4	3
242+50	247+50		1	2	0	5	1	0	0	1	0	0	0	5	0
247+50	253+00		0	2	0	1	0	0	0	0	0	0	0	1	0
	TOTAL		6	11	12	37	5	1	1	1	1	6	8	25	3

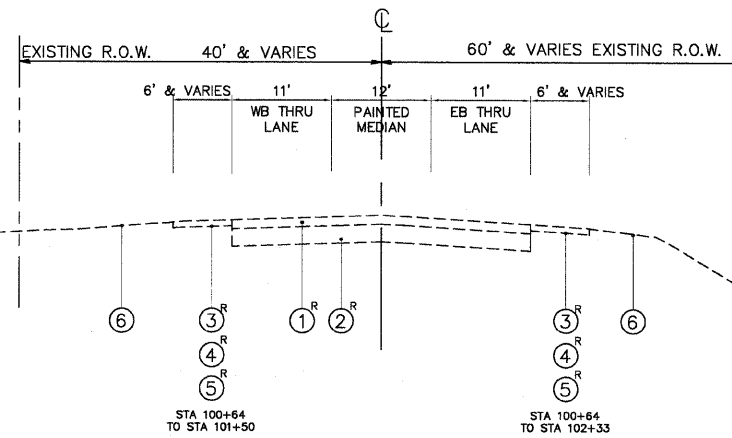
**SCHEDULE OF PAVING - DRIVEWAYS CEMETERY ROAD
HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50, 2.5"
AGGREGATE BASE COURSE, TYPE 'B' 6"
BINDER: 0.0560 TONS/SY-IN - SURFACE: 0.0560 TONS/SY-IN**

STATION	FROM	TO	AGG BASE (SY)	SURFACE (TONS)
198+45	204+25		78.0	11.0
204+25	210+50		189.0	27.0
210+50	216+50		181.0	26.0
216+50	223+00		256.0	36.0
223+00	229+50		129.0	19.0
229+50	236+00		33.0	5.0
236+00	242+50		50.0	7.0
242+50	247+50		0.0	0.0
247+50	253+00		0.0	0.0
	TOTAL		916.0	131.0

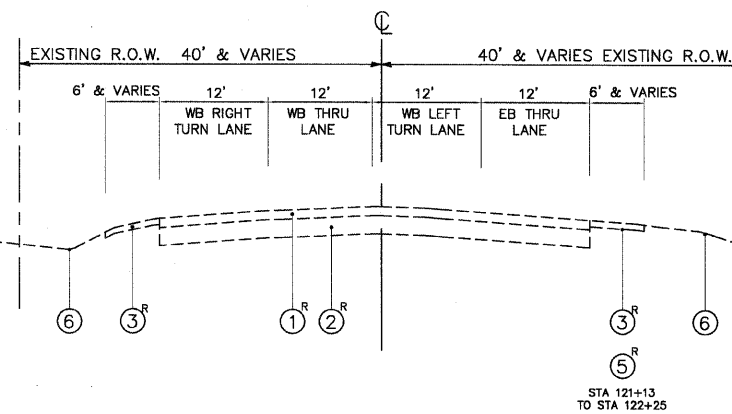
SCHEDULE OF STORM SEWER PIPE INSTALLATION CEMETERY ROAD

STATION	FROM	TO	12 INCH LENGTH (FT)	15 INCH LENGTH (FT)	18 INCH LENGTH (FT)	24
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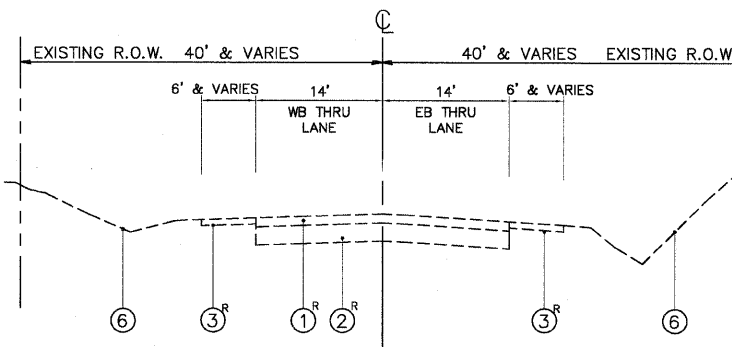
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	11
EXISTING TYPICAL CROSS SECTIONS				
CONTRACT NO. 83845		ILLINOIS		



TYPICAL EXISTING CROSS SECTION WASHINGTON STREET
FROM STA. 100+64 TO STA. 117+70
SHOWN AT STA. 105+00



TYPICAL EXISTING CROSS SECTION WASHINGTON STREET
FROM STA. 117+70 TO STA. 126+16
SHOWN AT STA. 123+00



TYPICAL EXISTING CROSS SECTION WASHINGTON STREET
AND FROM STA. 126+16 TO STA. 136+45
SHOWN AT STA. 133+00

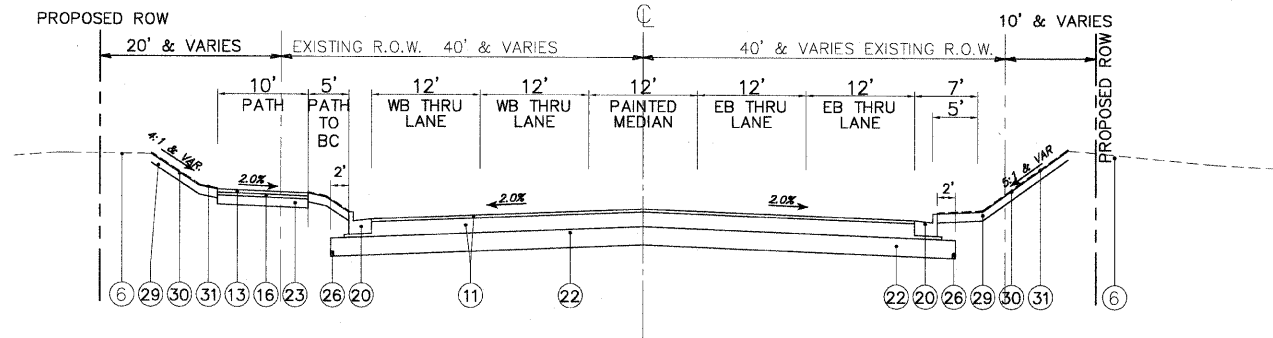
TYPICAL CROSS SECTION LEGEND

- NO DESCRIPTION
- ① EXISTING BITUMINOUS PAVEMENT (VARIES 8" TO 16")
 - ② EXISTING AGGREGATE BASE COURSE (VARIES 5" TO 16")
 - ③ EXISTING AGGREGATE SHOULDER (VARIES 6" TO 10")
 - ④ EXISTING BITUMINOUS SHOULDER (VARIES 6" TO 10")
 - ⑤ EXISTING CONCRETE CURB & GUTTER
 - ⑥ EXISTING GROUND
 - ⑦ EXISTING LANDSCAPED MEDIAN
 - ⑧ HOT-MIX SURFACE REMOVAL 2-1/2"
 - ⑨ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
 - ⑩ EARTHWORK REMEDIAL TREATMENT - SEE SHEET 2
 - ⑪ HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12"
 - ⑫ HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8"
 - ⑬ HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N50, 2"
 - ⑭ HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N50, 2 1/2"
 - ⑮ HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N70, 2"
 - ⑯ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2"
 - ⑰ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2"
 - ⑱ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"
 - ⑲ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50, (VARIES 3/4" TO 1 1/4")
 - ⑳ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
 - ㉑ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
 - ㉒ AGGREGATE SUBGRADE, 12"
 - ㉓ AGGREGATE BASE COURSE, TYPE 'B', 6"
 - ㉔ POROUS GRANULAR EMBANKMENT, SUBGRADE
 - ㉕ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 - ㉖ PIPE UNDERDRAINS, 4"(MODIFIED)
 - ㉗ P.C.C. SIDEWALK, 5"
 - ㉘ CONCRETE MEDIAN SURFACE, 4"
 - ㉙ TOPSOIL PLACEMENT, 6"
 - ㉚ SEEDING, CLASS 2A
 - ㉛ EROSION CONTROL BLANKET (SPECIAL)
 - ⓧ ITEM TO BE REMOVED

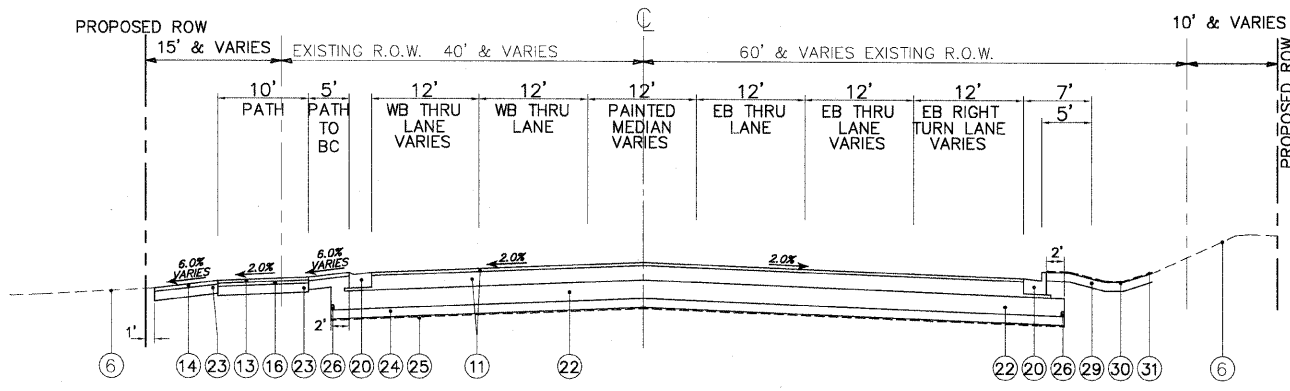
PLANS PREPARED BY:
GEWALT HAMILTON
ASSOCIATES, INC.
Consulting Engineers & Surveyors
350 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

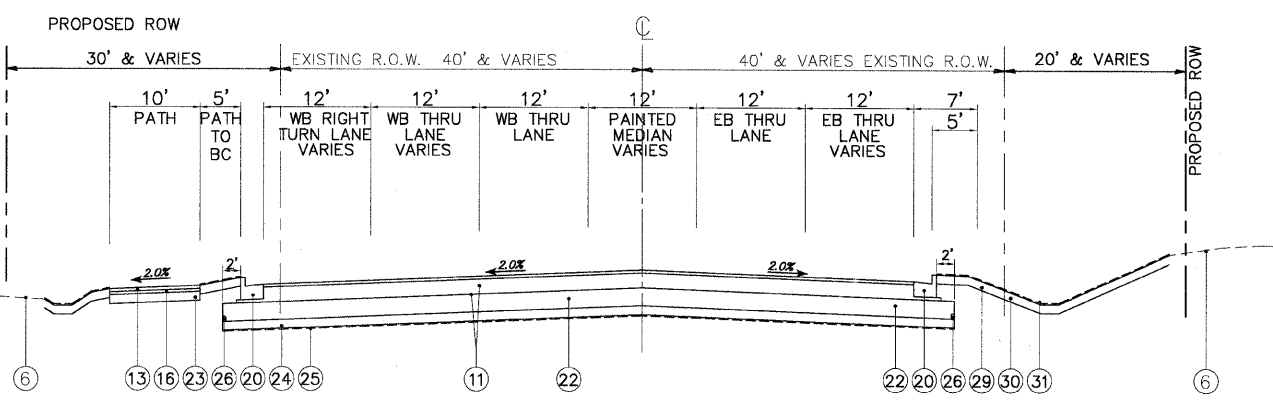
ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL CROSS SECTIONS
WASHINGTON STREET
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
WASHINGTON STREET
SCALE: NTS
DATE: 11-12-04
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS



TYPICAL PROPOSED CROSS SECTION WASHINGTON STREET
FROM STA. 100+64 TO STA. 117+70
AND FROM STA. 125+92 TO STA. 136+45
SHOWN AT STA. 133+00



TYPICAL PROPOSED CROSS SECTION WASHINGTON STREET
FROM STA. 117+70 TO STA. 121+85
SHOWN AT STA. 120+20



TYPICAL PROPOSED CROSS SECTION WASHINGTON STREET
FROM STA. 121+85 TO STA. 125+92
SHOWN AT STA. 123+00

TYPICAL CROSS SECTION LEGEND

- NO DESCRIPTION
- ① EXISTING BITUMINOUS PAVEMENT (VARIES 8" TO 16")
- ② EXISTING AGGREGATE BASE COURSE (VARIES 5" TO 16")
- ③ EXISTING AGGREGATE SHOULDER (VARIES 6" TO 10")
- ④ EXISTING BITUMINOUS SHOULDER (VARIES 6" TO 10")
- ⑤ EXISTING CONCRETE CURB & GUTTER
- ⑥ EXISTING GROUND
- ⑦ EXISTING LANDSCAPED MEDIAN
- ⑧ HOT-MIX SURFACE REMOVAL 2-1/2"
- ⑨ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ⑩ EARTHWORK REMEDIAL TREATMENT - SEE SHEET 2
- ⑪ HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12"
- ⑫ HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8"
- ⑬ HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N50, 2"
- ⑭ HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N50, 2 1/2"
- ⑮ HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N70, 2"
- ⑯ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2"
- ⑰ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2"
- ⑱ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"
- ⑲ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50, (VARIES 3/4" TO 1 1/4")
- ⑳ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ㉑ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ㉒ AGGREGATE SUBGRADE, 12"
- ㉓ AGGREGATE BASE COURSE, TYPE 'B', 6"
- ㉔ POROUS GRANULAR EMBANKMENT, SUBGRADE
- ㉕ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ㉖ PIPE UNDERDRAINS, 4"(MODIFIED)
- ㉗ P.C.C. SIDEWALK, 5"
- ㉘ CONCRETE MEDIAN SURFACE, 4"
- ㉙ TOPSOIL PLACEMENT, 6"
- ㉚ SEEDING, CLASS 2A
- ㉛ EROSION CONTROL BLANKET (SPECIAL)
- (X) ITEM TO BE REMOVED

NOTE:

ANY CONSTRUCTION WORK WITHIN IDOT'S R.O.W. WILL FOLLOW IDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

POROUS GRANULAR EMBANKMENT (PGE) SUBGRADE SHALL BE PROVIDED AT LOCATIONS INDICATED FOR SOILS WHICH ARE NOTED TO BE UNSTABLE WHEN WET. THE LIMITS OF THIS REMOVAL AND REPLACEMENT WITH PGE WILL BE DETERMINED IN THE FIELD BY THE ENGINEER, WITH THE USE OF A CONE PENETROMETER AND THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE SOILS ARE ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH PGE. THE WIDTH OF UNDERCUT SHOULD BE FROM THE EDGE OF THE EXISTING PAVEMENT TO TWO FEET BEHIND THE PROPOSED BACK OF CURB. PERFORATED 4" PVC SDR 35 TRANSVERSE UNDERDRAINS SHALL BE PLACED AT THE LOW POINTS OF ALL UNDERCUTS REPLACED WITH PGE. UNDERDRAINS SHALL BE INSTALLED 30" BELOW FINAL PAVEMENT GRADE AND CONNECT TO THE STORM SEWER WHERE POSSIBLE.

HOT-MIX ASPHALT REQUIREMENTS TABLE

PAY ITEM	AC TYPE	VOIDS	MAX RAP%
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 12"			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX 'F', N90, (IL 9.5mm) 2"	SBS/SBR PG 70 -22	4% @ 90 GYR	10 %
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N90, 2"	SBS/SBR PG 70 -22	4% @ 90 GYR	10 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 8"	* PG 64 -22	4% @ 50 GYR	25 %

PAY ITEM	AC TYPE	VOIDS	MAX RAP%
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 8"			
HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50, (IL 9.5mm), 2"	PG 64 -22	4% @ 50 GYR	15 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 2"	* PG 64 -22	4% @ 50 GYR	25 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 4"	* PG 64 -22	4% @ 50 GYR	25 %

PAVING OPERATION	AC TYPE	VOIDS	MAX RAP%
PAVEMENT WIDENING, TRI STATE PARKWAY			
HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70, (IL 9.5mm), 2"	PG 64 -22	4% @ 70 GYR	10 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, 2"	* PG 64 -22	4% @ 70 GYR	15 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 8"	* PG 64 -22	4% @ 50 GYR	25 %

PAVING OPERATION	AC TYPE	VOIDS	MAX RAP%
PAVEMENT RESURFACING, TRI STATE PARKWAY			
HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70, (IL 9.5mm) 2"	PG 64 -22	4% @ 70 GYR	10 %
POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL 4.75 N50, 1"	SBS/SBR PG 76 -22	4% @ 50 GYR	15 %

PAVING OPERATION	AC TYPE	VOIDS	MAX RAP%
PROPOSED SHARED USE PATH CEMETERY ROAD & WASHINGTON STREET			
HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N50, (IL 9.5mm), 2"	PG 64 -22	4% @ 50 GYR	15 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 2"	* PG 64 -22	4% @ 50 GYR	25 %

PAVING OPERATION	AC TYPE	VOIDS	MAX RAP%
PAVEMENT MINOR ACCESS DRIVEWAY			
HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N50, (IL 9.5mm), 2 1/2"	PG 64 -22	4% @ 50 GYR	15 %

PAVING OPERATION	AC TYPE	VOIDS	MAX RAP%
TEMPORARY BITUMINOUS PAVEMENT, WASHINGTON STREET			
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 2"	PG 64 -22	4% @ 50 GYR	15 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 8"	* PG 64 -22	4% @ 50 GYR	25 %

NOTE: TEMPORARY PAVEMENT REFERENCE PROPOSED CONSTRUCTION STAGING.

PAVING OPERATION	AC TYPE	VOIDS	MAX RAP%
PAVEMENT PATCHING			
CLASS D PATCHES, TYPE I, II, III, IV			
HOT-MIX ASPHALT BINDER, IL 19.0, N70	PG 64 -22	4% @ 70 GYR	15 %
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES			
HOT-MIX ASPHALT BINDER, IL 19.0, N70	PG 64 -22	4% @ 70 GYR	15 %

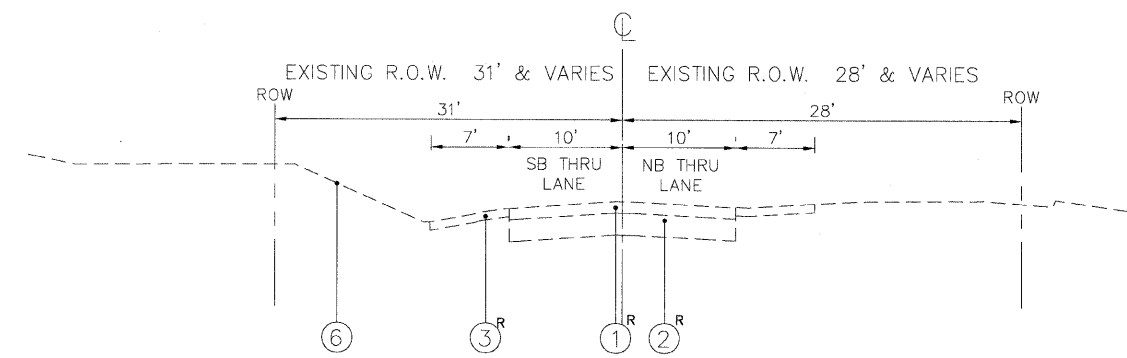
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIX QUANTITIES IS 112 LBS / SQ YD / IN.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

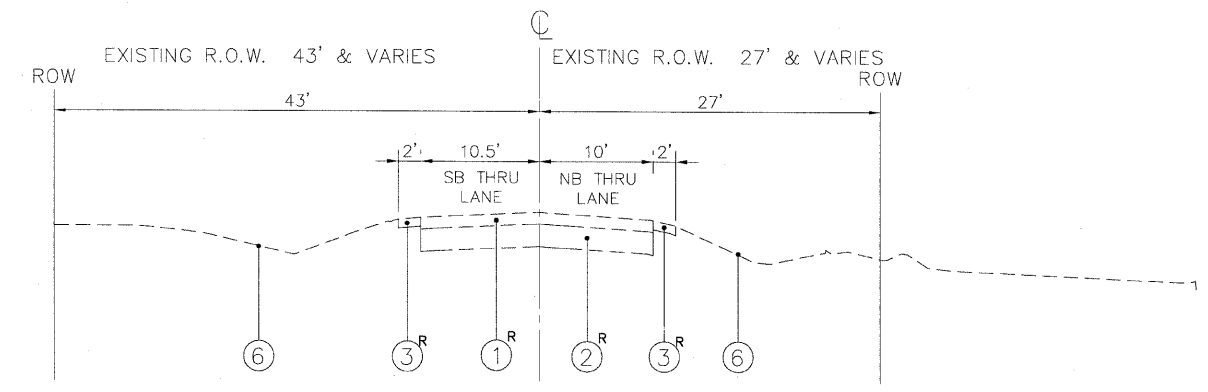
PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

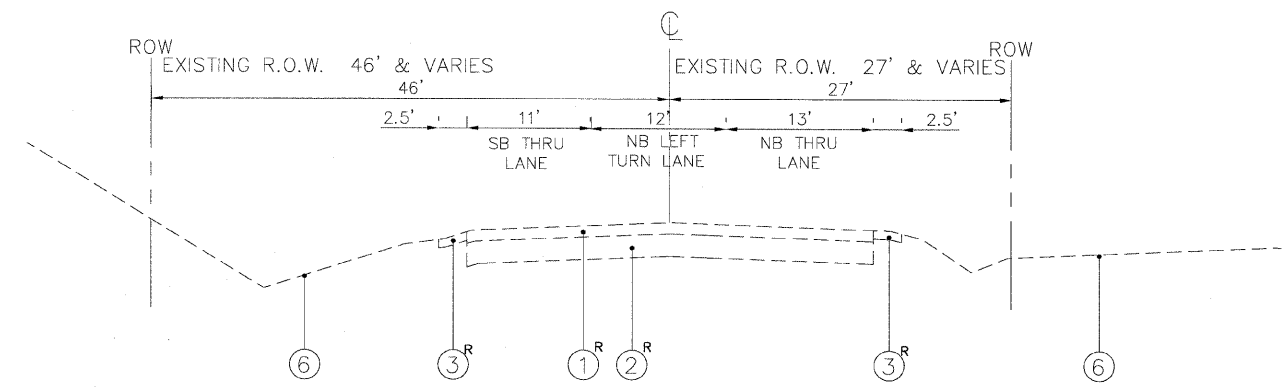
ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL CROSS SECTIONS WASHINGTON STREET
PROPOSED ROADWAY WIDENING AND INTERSECTION IMPROVEMENTS WASHINGTON STREET & CEMETERY ROAD
SCALE: NTS
DATE: 11-12-04
DRAWN BY: CGP
DESIGNED BY:
CHECKED BY:



TYPICAL EXISTING CROSS SECTION CEMETERY ROAD
FROM STA. 198+49 TO STA. 210+00
SHOWN AT STA. 202+00



TYPICAL EXISTING CROSS SECTION CEMETERY ROAD
FROM STA. 210+00 TO STA. 243+00
SHOWN AT STA. 228+00



TYPICAL EXISTING CROSS SECTION CEMETERY ROAD
FROM STA. 243+00 TO STA. 251+00
SHOWN AT STA. 247+00

TYPICAL CROSS SECTION LEGEND

- NO DESCRIPTION
- ① EXISTING BITUMINOUS PAVEMENT (VARIES 8" TO 16")
- ② EXISTING AGGREGATE BASE COURSE (VARIES 5" TO 16")
- ③ EXISTING AGGREGATE SHOULDER (VARIES 6" TO 10")
- ④ EXISTING BITUMINOUS SHOULDER (VARIES 6" TO 10")
- ⑤ EXISTING CONCRETE CURB & GUTTER
- ⑥ EXISTING GROUND
- ⑦ EXISTING LANDSCAPED MEDIAN
- ⑧ HOT-MIX SURFACE REMOVAL, 2-1/2"
- ⑨ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ⑩ EARTHWORK REMEDIAL TREATMENT - SEE SHEET 2
- ⑪ HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12"
- ⑫ HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8"
- ⑬ HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N50, 2"
- ⑭ HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N50, 2 1/2"
- ⑮ HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N70, 2"
- ⑯ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2"
- ⑰ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2"
- ⑱ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"
- ⑲ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50, (VARIES 3/4" TO 1 1/4")
- ⑳ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ㉑ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ㉒ AGGREGATE SUBGRADE, 12"
- ㉓ AGGREGATE BASE COURSE, TYPE 'B', 6"
- ㉔ POROUS GRANULAR EMBANKMENT SUBGRADE
- ㉕ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ㉖ PIPE UNDERDRAINS, 4"(MODIFIED)
- ㉗ P.C.C. SIDEWALK, 5"
- ㉘ CONCRETE MEDIAN SURFACE, 4"
- ㉙ TOPSOIL PLACEMENT, 6"
- ㉚ SEEDING, CLASS 2A
- ㉛ EROSION CONTROL BLANKET (SPECIAL)
- ⓧ ITEM TO BE REMOVED

NOTE:

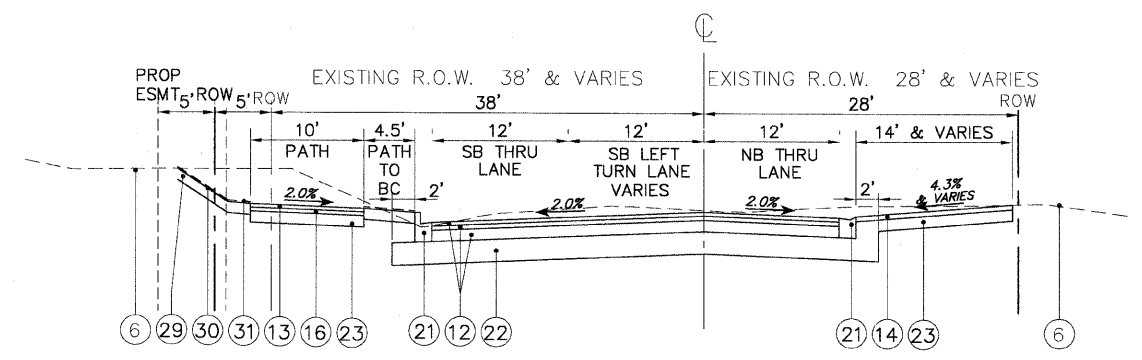
ANY CONSTRUCTION WORK WITHIN IDOT'S R.O.W. WILL FOLLOW IDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

POROUS GRANULAR EMBANKMENT (PGE) SUBGRADE SHALL BE PROVIDED AT LOCATIONS INDICATED FOR SOILS WHICH ARE NOTED TO BE UNSTABLE WHEN WET. THE LIMITS OF THIS REMOVAL AND REPLACEMENT WITH PGE WILL BE DETERMINED IN THE FIELD BY THE ENGINEER, WITH THE USE OF A CONE PENETROMETER AND THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE SOILS ARE ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH PGE. THE WIDTH OF UNDERCUT SHOULD BE FROM THE EDGE OF THE EXISTING PAVEMENT TO TWO FEET BEHIND THE PROPOSED BACK OF CURB. PERFORATED 4" PVC SDR 35 TRANSVERSE UNDERDRAINS SHALL BE PLACED AT THE LOW POINTS OF ALL UNDERCUTS REPLACED WITH PGE. UNDERDRAINS SHALL BE INSTALLED 30" BELOW FINAL PAVEMENT GRADE AND CONNECT TO THE STORM SEWER WHERE POSSIBLE.

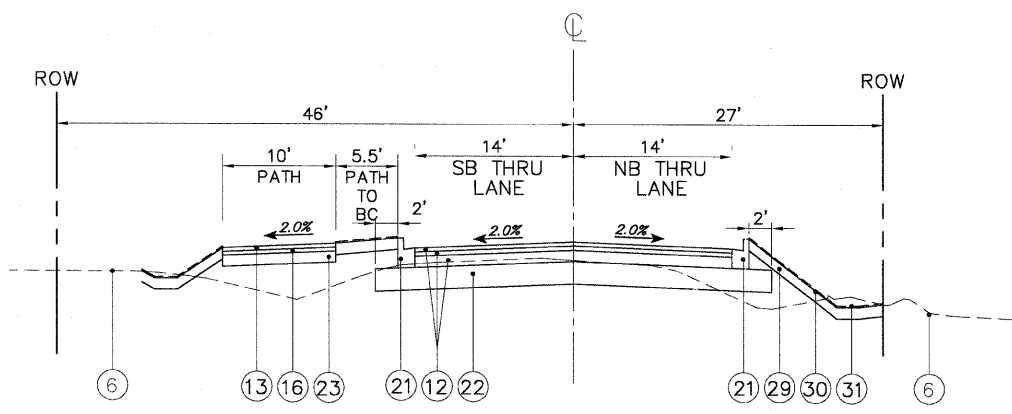
PLANS PREPARED BY:
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Consulting Engineers & Surveyors
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Vernon Hills, IL 60061
(847) 478-9700
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-07
PS&E SUBMITTAL	04-10-09

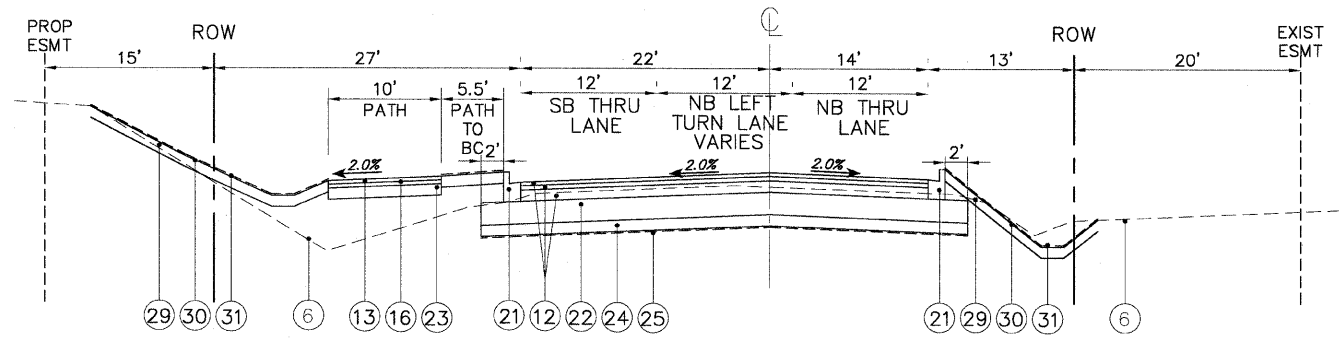
ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL CROSS SECTIONS
CEMETERY ROAD
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
WASHINGTON STREET & CEMETERY ROAD
SCALE: NTS
DATE: 11-12-04
DRAWN BY: CGP
DESIGNED BY:
CHECKED BY:



TYPICAL PROPOSED CROSS SECTION CEMETERY ROAD
FROM STA. 198+49 STA. 210+00
SHOWN AT STA. 202+00



TYPICAL PROPOSED CROSS SECTION CEMETERY ROAD
FROM STA. 210+00 TO STA. 243+00
SHOWN AT STA. 228+00



TYPICAL PROPOSED CROSS SECTION CEMETERY ROAD
FROM STA. 243+00 TO STA. 251+00

TYPICAL CROSS SECTION LEGEND

- NO DESCRIPTION
- ① EXISTING BITUMINOUS PAVEMENT (VARIES 8" TO 16")
- ② EXISTING AGGREGATE BASE COURSE (VARIES 5" TO 16")
- ③ EXISTING AGGREGATE SHOULDER (VARIES 6" TO 10")
- ④ EXISTING BITUMINOUS SHOULDER (VARIES 6" TO 10")
- ⑤ EXISTING CONCRETE CURB & GUTTER
- ⑥ EXISTING GROUND
- ⑦ EXISTING LANDSCAPED MEDIAN
- ⑧ HOT-MIX SURFACE REMOVAL, 2-1/2"
- ⑨ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ⑩ EARTHWORK REMEDIAL TREATMENT - SEE SHEET 2
- ⑪ HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12"
- ⑫ HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8"
- ⑬ HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N50, 2"
- ⑭ HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N50, 2 1/2"
- ⑮ HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N70, 2"
- ⑯ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2"
- ⑰ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2"
- ⑱ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"
- ⑲ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50, (VARIES 3/4" TO 1 1/4")
- ⑳ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ㉑ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ㉒ AGGREGATE SUBGRADE, 12"
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- ㉔ POROUS GRANULAR EMBANKMENT SUBGRADE
- ㉕ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ㉖ PIPE UNDERDRAINS, 4"(MODIFIED)
- ㉗ P.C.C. SIDEWALK, 5"
- ㉘ CONCRETE MEDIAN SURFACE, 4"
- ㉙ TOPSOIL PLACEMENT, 6"
- ㉚ SEEDING, CLASS 2A
- ㉛ EROSION CONTROL BLANKET (SPECIAL)
- ⓧ ITEM TO BE REMOVED

NOTE:

ANY CONSTRUCTION WORK WITHIN IDOT'S R.O.W. WILL FOLLOW IDOT'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

POROUS GRANULAR EMBANKMENT (PGE) SUBGRADE SHALL BE PROVIDED AT LOCATIONS INDICATED FOR SOILS WHICH ARE NOTED TO BE UNSTABLE WHEN WET. THE LIMITS OF THIS REMOVAL AND REPLACEMENT WITH PGE WILL BE DETERMINED IN THE FIELD BY THE ENGINEER, WITH THE USE OF A CONE PENETROMETER AND THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE SOILS ARE ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH PGE. THE WIDTH OF UNDERCUT SHOULD BE FROM THE EDGE OF THE EXISTING PAVEMENT TO TWO FEET BEHIND THE PROPOSED BACK OF CURB. PERFORATED 4" PVC SDR 35 TRANSVERSE UNDERDRAINS SHALL BE PLACED AT THE LOW POINTS OF ALL UNDERCUTS REPLACED WITH PGE. UNDERDRAINS SHALL BE INSTALLED 30" BELOW FINAL PAVEMENT GRADE AND CONNECT TO THE STORM SEWER WHERE POSSIBLE.

HOT-MIX ASPHALT REQUIREMENTS TABLE

PAY ITEM	AC TYPE	VOIDS	MAX RAP%
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 12"			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX 'F', N90, (IL 9.5mm) 2"	SBS/SBR PG 70 -22	4% @ 90 GYR	10 %
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N90, 2"	SBS/SBR PG 70 -22	4% @ 90 GYR	10 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 8"	* PG 64 -22	4% @ 50 GYR	25 %

PAY ITEM	AC TYPE	VOIDS	MAX RAP%
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 8"			
HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50, (IL 9.5mm), 2"	PG 64 -22	4% @ 50 GYR	15 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 2"	* PG 64 -22	4% @ 50 GYR	25 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 4"	* PG 64 -22	4% @ 50 GYR	25 %

PAVING OPERATION	AC TYPE	VOIDS	MAX RAP%
PAVEMENT WIDENING, TRI STATE PARKWAY			
HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70, (IL 9.5mm), 2"	PG 64 -22	4% @ 70 GYR	10 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, 2"	* PG 64 -22	4% @ 70 GYR	15 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 8"	* PG 64 -22	4% @ 50 GYR	25 %

PAVING OPERATION	AC TYPE	VOIDS	MAX RAP%
PAVEMENT RESURFACING, TRI STATE PARKWAY			
HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70, (IL 9.5mm) 2"	PG 64 -22	4% @ 70 GYR	10 %
POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL 4.75 N50, 1"	SBS/SBR PG 76 -22	4% @ 50 GYR	15 %

PAVING OPERATION	AC TYPE	VOIDS	MAX RAP%
PROPOSED SHARED USE PATH CEMETERY ROAD & WASHINGTON STREET			
HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N50, (IL 9.5mm), 2"	PG 64 -22	4% @ 50 GYR	15 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 2"	* PG 64 -22	4% @ 50 GYR	25 %

PAVING OPERATION	AC TYPE	VOIDS	MAX RAP%
PAVEMENT MINOR ACCESS DRIVEWAY			
HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N50, (IL 9.5mm), 2 1/2"	PG 64 -22	4% @ 50 GYR	15 %

PAVING OPERATION	AC TYPE	VOIDS	MAX RAP%
TEMPORARY BITUMINOUS PAVEMENT, WASHINGTON STREET			
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 2"	PG 64 -22	4% @ 50 GYR	15 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 8"	* PG 64 -22	4% @ 50 GYR	25 %

* NOTE: TEMPORARY PAVEMENT REFERENCE PROPOSED CONSTRUCTION STAGING.

PAVING OPERATION	AC TYPE	VOIDS	MAX RAP%
PAVEMENT PATCHING			
CLASS D PATCHES, TYPE I, II, III, IV	PG 64 -22	4% @ 70 GYR	15 %
HOT-MIX ASPHALT BINDER, IL 19.0, N70	PG 64 -22	4% @ 70 GYR	15 %
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	PG 64 -22	4% @ 70 GYR	15 %
HOT-MIX ASPHALT BINDER, IL 19.0, N70	PG 64 -22	4% @ 70 GYR	15 %

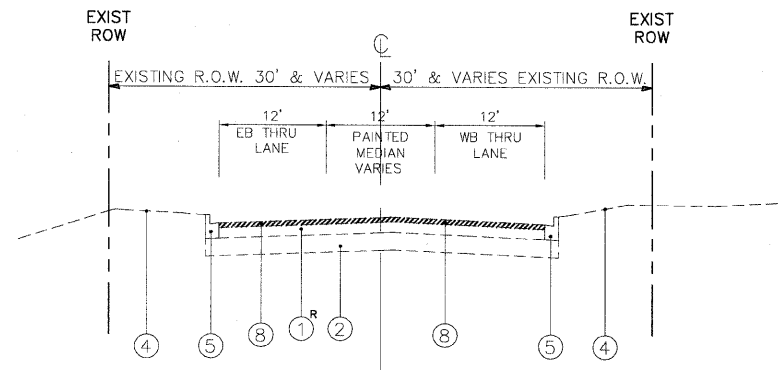
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIX QUANTITIES IS 112 LBS / SQ YD / IN.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

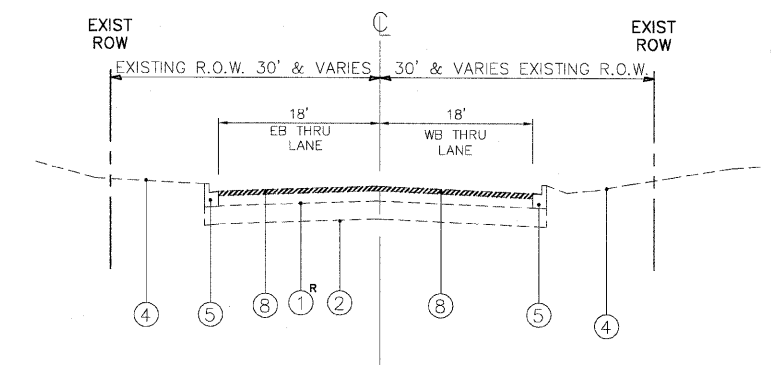
PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Ridge Drive
Vernon Hills, IL 60061
(847) 478-9700
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL CROSS SECTIONS CEMETERY ROAD
PROPOSED ROADWAY WIDENING AND INTERSECTION IMPROVEMENTS WASHINGTON STREET & CEMETERY ROAD
SCALE: NTS
DATE: 11-12-04
DRAWN BY: CGP
DESIGNED BY:
CHECKED BY:



TYPICAL EXISTING CROSS SECTION TRI-STATE PARKWAY
AND FROM STA. 303+78 TO STA. 316+50
SHOWN AT STA. 312+50



TYPICAL EXISTING CROSS SECTION TRI-STATE PARKWAY
AND FROM STA. 316+50 TO STA. 323+00
SHOWN AT STA. 319+00

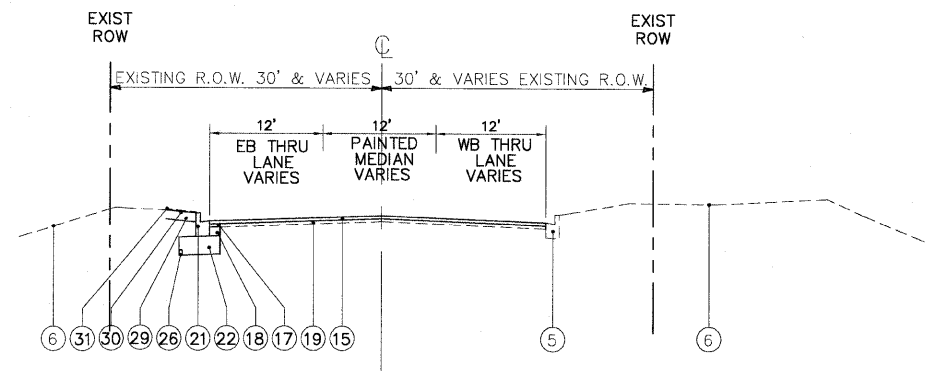
TYPICAL CROSS SECTION LEGEND

- | | |
|----------------|---|
| NO | DESCRIPTION |
| ① | EXISTING BITUMINOUS PAVEMENT (VARIES 8" TO 16") |
| ② | EXISTING AGGREGATE BASE COURSE (VARIES 5" TO 16") |
| ③ | EXISTING AGGREGATE SHOULDER (VARIES 6" TO 10") |
| ④ | EXISTING BITUMINOUS SHOULDER (VARIES 6" TO 10") |
| ⑤ | EXISTING CONCRETE CURB & GUTTER |
| ⑥ | EXISTING GROUND |
| ⑦ | EXISTING LANDSCAPED MEDIAN |
| ⑧ | HOT-MIX SURFACE REMOVAL, 2-1/2" |
| ⑨ | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL |
| ⑩ | EARTHWORK REMEDIAL TREATMENT - SEE SHEET 2 |
| ⑪ | HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12" |
| ⑫ | HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8" |
| ⑬ | HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N50, 2" |
| ⑭ | HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N50, 2 1/2" |
| ⑮ | HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N70, 2" |
| ⑯ | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2" |
| ⑰ | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2" |
| ⑱ | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" |
| ⑲ | POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50, (VARIES 3/4" TO 1 1/4") |
| ⑳ | COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 |
| ㉑ | COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 |
| ㉒ | AGGREGATE SUBGRADE, 12" |
| ㉓ | AGGREGATE BASE COURSE, TYPE 'B', 6" |
| ㉔ | POROUS GRANULAR EMBANKMENT, SUBGRADE |
| ㉕ | GEOTECHNICAL FABRIC FOR GROUND STABILIZATION |
| ㉖ | PIPE UNDERDRAINS, 4"(MODIFIED) |
| ㉗ | P.C.C. SIDEWALK, 5" |
| ㉘ | CONCRETE MEDIAN SURFACE, 4" |
| ㉙ | TOPSOIL PLACEMENT, 6" |
| ㉚ | SEEDING, CLASS 2A |
| ㉛ | EROSION CONTROL BLANKET (SPECIAL) |
| ⓧ ^R | ITEM TO BE REMOVED |

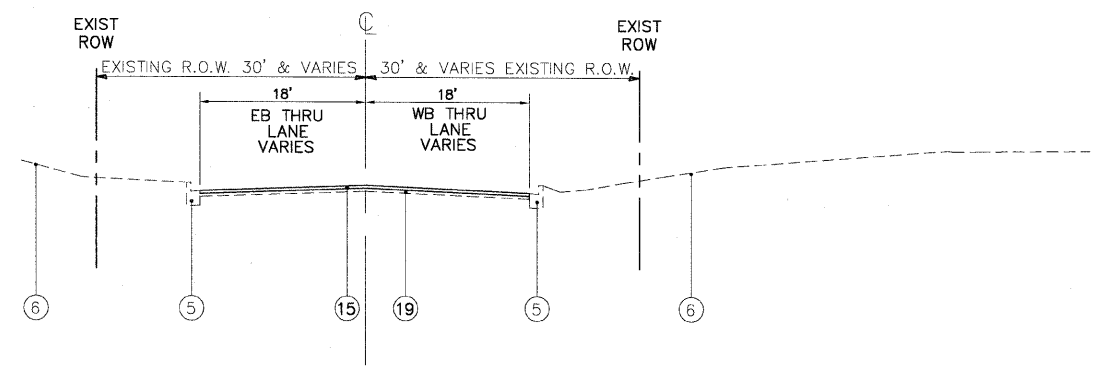
PLANS PREPARED BY:
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL CROSS SECTIONS
TRI-STATE PARKWAY
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
TRI-STATE PARKWAY
SCALE: NTS
DATE: 02-17-05
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS



TYPICAL PROPOSED CROSS SECTION TRI-STATE PARKWAY
AND FROM STA. 303+78 TO STA. 316+50
SHOWN AT STA. 312+50



TYPICAL PROPOSED CROSS SECTION TRI-STATE PARKWAY
AND FROM STA. 316+50 TO STA. 323+00
SHOWN AT STA. 319+00

TYPICAL CROSS SECTION LEGEND

- | | |
|----|---|
| NO | DESCRIPTION |
| ① | EXISTING BITUMINOUS PAVEMENT (VARIES 8" TO 16") |
| ② | EXISTING AGGREGATE BASE COURSE (VARIES 5" TO 16") |
| ③ | EXISTING AGGREGATE SHOULDER (VARIES 6" TO 10") |
| ④ | EXISTING BITUMINOUS SHOULDER (VARIES 6" TO 10") |
| ⑤ | EXISTING CONCRETE CURB & GUTTER |
| ⑥ | EXISTING GROUND |
| ⑦ | EXISTING LANDSCAPED MEDIAN |
| ⑧ | HOT-MIX SURFACE REMOVAL, 2-1/2" |
| ⑨ | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL |
| ⑩ | EARTHWORK REMEDIAL TREATMENT - SEE SHEET 2 |
| ⑪ | HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12" |
| ⑫ | HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8" |
| ⑬ | HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N50, 2" |
| ⑭ | HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N50, 2 1/2" |
| ⑮ | HOT-MIX ASPHALT SURFACE COURSE, MIX 'D' N70, 2" |
| ⑯ | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2" |
| ⑰ | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2" |
| ⑱ | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8" |
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| ㉙ | TOPSOIL PLACEMENT, 6" |
| ㉚ | SEEDING, CLASS 2A |
| ㉛ | EROSION CONTROL BLANKET (SPECIAL) |
| ⓧ | ITEM TO BE REMOVED |

HOT-MIX ASPHALT REQUIREMENTS TABLE

PAY ITEM	AC TYPE	VOIDS	MAX RAP%
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 12"			
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX 'F', N90, (IL 9.5mm) 2"	SBS/SBR PG 70 -22	4% @ 90 GYR	10 %
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N90, 2"	SBS/SBR PG 70 -22	4% @ 90 GYR	10 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 8"	* PG 64 -22	4% @ 50 GYR	25 %
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 8"			
HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50, (IL 9.5mm), 2"	PG 64 -22	4% @ 50 GYR	15 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 2"	* PG 64 -22	4% @ 50 GYR	25 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 4"	* PG 64 -22	4% @ 50 GYR	25 %
PAVING OPERATION			
PAVEMENT WIDENING, TRI STATE PARKWAY			
HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70, (IL 9.5mm), 2"	PG 64 -22	4% @ 70 GYR	10 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, 2"	* PG 64 -22	4% @ 70 GYR	15 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 8"	* PG 64 -22	4% @ 50 GYR	25 %
PAVEMENT RESURFACING, TRI STATE PARKWAY			
HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70, (IL 9.5mm) 2"	PG 64 -22	4% @ 70 GYR	10 %
POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL 4.75 N50, 1"	SBS/SBR PG 76 -22	4% @ 50 GYR	15 %
PROPOSED SHARED USE PATH CEMETERY ROAD & WASHINGTON STREET			
HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N50, (IL 9.5mm), 2"	PG 64 -22	4% @ 50 GYR	15 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 2"	* PG 64 -22	4% @ 50 GYR	25 %
PAVEMENT MINOR ACCESS DRIVEWAY			
HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N50, (IL 9.5mm), 2 1/2"	PG 64 -22	4% @ 50 GYR	15 %
TEMPORARY BITUMINOUS PAVEMENT, WASHINGTON STREET			
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 2"	PG 64 -22	4% @ 50 GYR	15 %
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 8"	* PG 64 -22	4% @ 50 GYR	25 %
* NOTE: TEMPORARY PAVEMENT REFERENCE PROPOSED CONSTRUCTION STAGING.			
PAVEMENT PATCHING			
CLASS D PATCHES, TYPE I, II, III, IV			
HOT-MIX ASPHALT BINDER, IL 19.0, N70	PG 64 -22	4% @ 70 GYR	15 %
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES			
HOT-MIX ASPHALT BINDER, IL 19.0, N70	PG 64 -22	4% @ 70 GYR	15 %

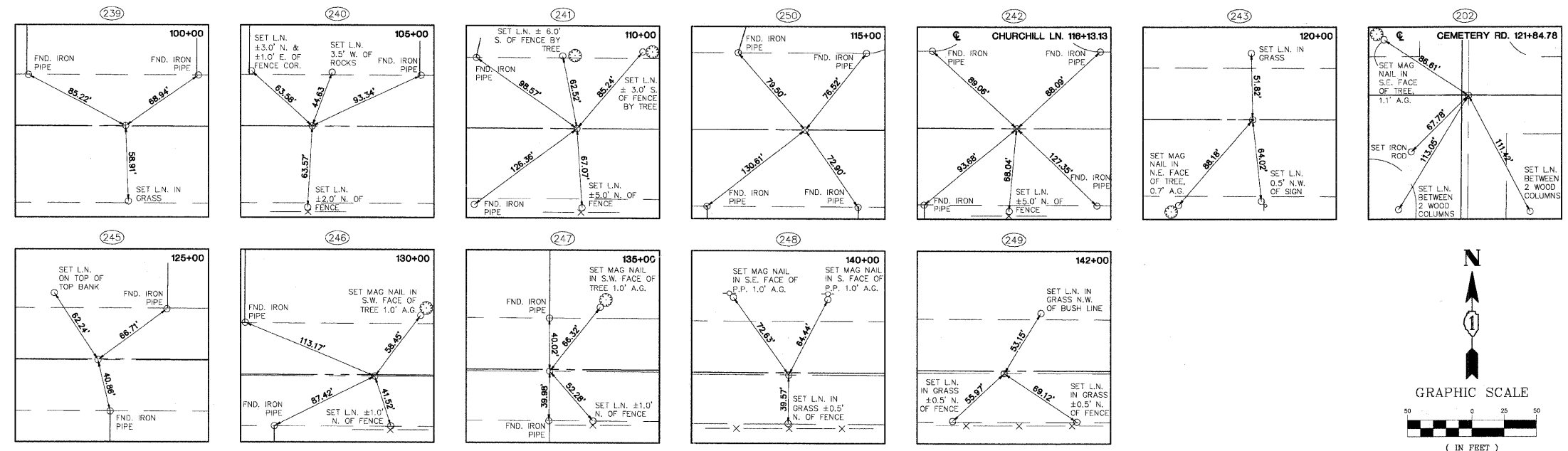
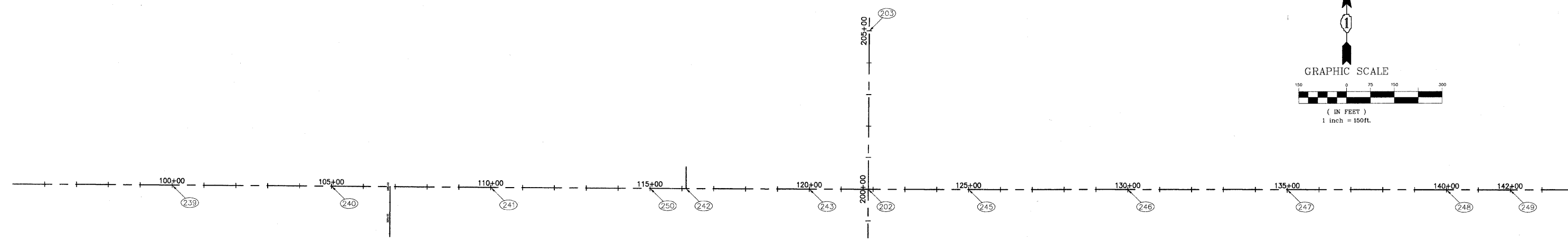
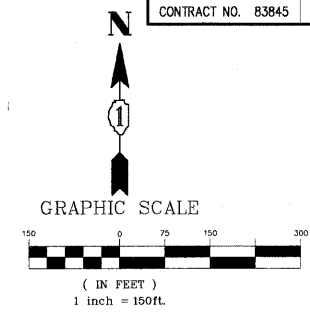
THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIX QUANTITIES IS 112 LBS / SQ YD / IN.
* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

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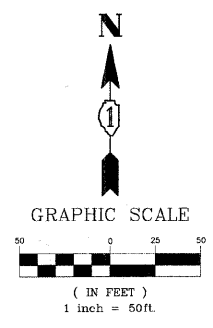
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PER-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL CROSS SECTIONS
TRI-STATE PARKWAY
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
TRI-STATE PARKWAY
SCALE: NTS
DATE: 02-17-05
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

F.A.L. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	17
WASHINGTON STREET CENTERLINE TIES				
CONTRACT NO. 83845		ILLINOIS		



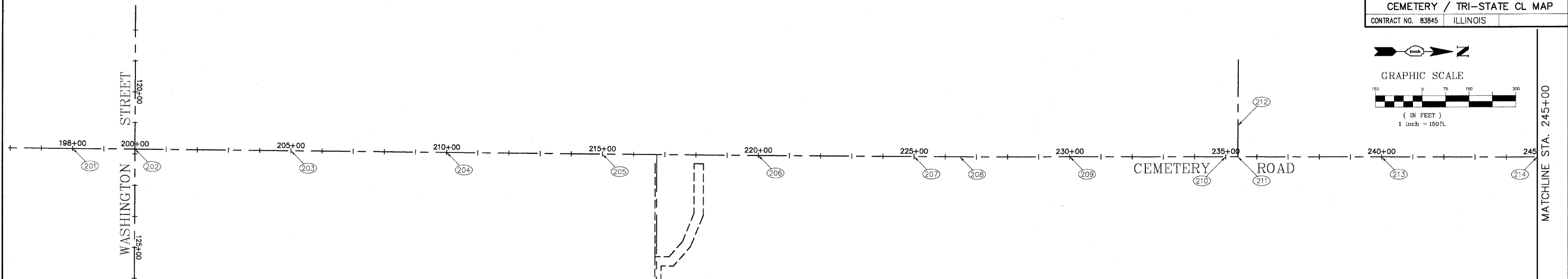
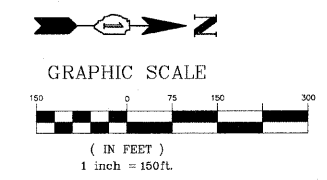
LEGEND
 (202) CENTERLINE TIE REFER TO DETAILS



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REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
**WASHINGTON STREET CENTERLINE
 MAP AND TIES**
 PROPOSED ROADWAY WIDENING
 AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD & WASHINGTON STREET
 SCALE: AS NOTED
 DATE: 2-8-05
 DRAWN BY: TJZ
 DESIGNED BY: EMP
 CHECKED BY: DWB

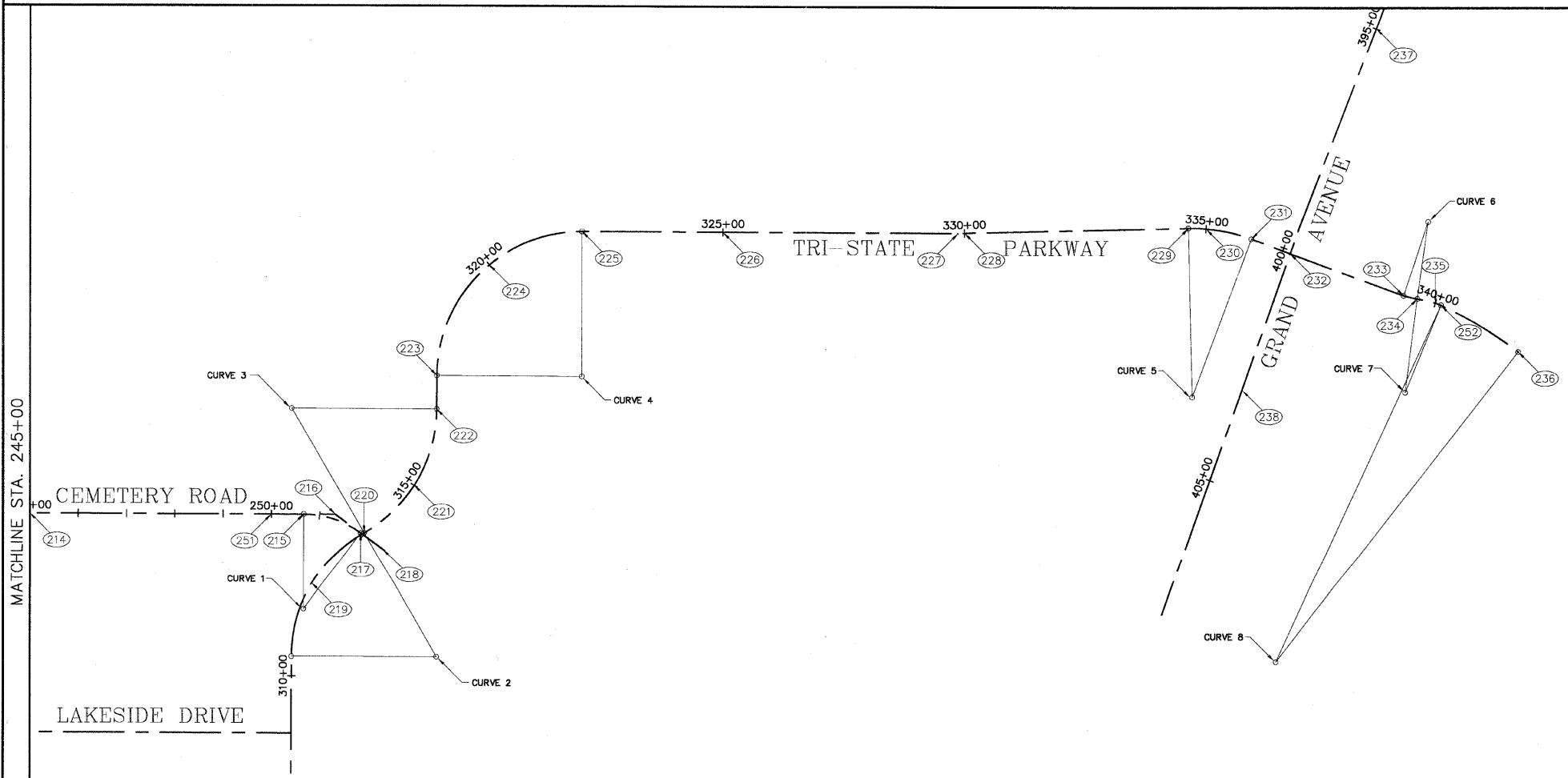


Q OF ROADWAY CURVE TABLE

CURVE NO.	1	2	3	4	5	6	7	8
RADIUS	200.00'	300.00'	300.00'	300.00'	349.95'	161.10'	195.92'	819.43'
TANGENT LENGTH	65.20'	173.34'	172.70'	299.40'	67.50'	14.49'	25.80'	93.94'
ARC LENGTH	126.06'	314.35'	313.40'	470.64'	133.37'	28.91'	51.31'	187.06'
CHORD LENGTH	123.98'	300.17'	299.34'	423.84'	132.56'	28.87'	51.17'	186.66'
DELTA	36°06'44"	60°02'17"	59°51'19"	89°53'10"	21°50'08"	10°16'49"	15°00'25"	13°04'47"
BEARING	S73°01'05"E	N59°57'57"W	N59°52'28"W	N44°51'32"W	N09°32'01"E	N13°04'48"E	N14°45'48"E	N31°10'55"E
PC STA.:	250+66.98	310+40.31	313+54.66	317+37.88	334+63.18	339+32.72	339+61.62	340+12.94
PI STA.:	251+30.08	311+97.49	315+11.36	319+73.20	335+29.87	339+47.17	339+87.28	341+06.47
PT STA.:	251+93.03	313+54.66	316+68.06	322+08.51	335+96.55	339+61.62	340+12.94	342+00

CENTERLINE DATA TABLE

Pl. No.	Station	Northing	Easting	Description
201	198+00	2075231.25	1086846.06	CL-CEMETERY
202	200+00	2075431.25	1086847.33	CL-CL-CEMETERY & WASHINGTON
203	205+00	2075931.24	1086850.51	CL-CEMETERY
204	210+00	2076431.23	1086853.69	CL-CEMETERY
205	215+00	2076931.22	1086856.87	CL-CEMETERY
206	220+00	2077431.21	1086860.05	CL-CEMETERY
207	225+00	2077931.20	1086863.23	CL-CEMETERY
208	226+46	2078077.50	1086864.16	CL-CEM-P.I
209	230+00	2078431.19	1086865.03	CL-CEMETERY
210	235+00	2078931.19	1086866.25	CL-CEMETERY
211	235+38.92	2078970.11	1086866.34	CL-CL-CEMETERY & ORCHARD
212	235+38.92, 100'L	2078970.60	1086756.35	CL-ORCHARD
213	240+00	2079431.19	1086867.47	CL-CEMETERY
214	245+00	2079931.19	1086868.69	CL-CEMETERY
215	250+67.05	2080498.17	1086870.08	CL-CEMETERY-P.C
216	251+30.01, 10.36'L	2080563.37	1086870.23	CL-CEMETERY-P.I
217	251+93.10	2080615.95	1086908.79	CL-CEMETERY-P.T
218	252+50	2080661.89	1086942.48	CL-CEMETERY
219	312+00	2080514.37	1087016.32	CL-TRISTATE
220	313+54.66	2080623.06	1086908.70	CL-PRC-TRISTATE
221	315+00	2080726.89	1086809.04	CL-TRISTATE
222	316+68.06	2080773.30	1086649.79	CL-PT-TRISTATE
223	317+37.88	2080773.54	1086579.98	CL-PC-TRISTATE
224	320+00	2080881.75	1086350.33	CL-TRISTATE
225	322+08.55	2081073.97	1086281.02	CL-PT-TRISTATE
226	325+00	2081365.46	1086281.45	CL-TRISTATE
227	329+86.32	2081851.78	1086282.16	CL-PI
228	330+00	2081865.46	1086281.83	CL-TRISTATE
229	344+63.18	2082328.50	1086270.64	CL-PC-TRISTATE
230	335+00	2082365.29	1086271.69	CL-TRISTATE
231	335+96.55	2082459.23	1086292.60	CL-PT-TRISTATE
232	336+81.98	2082539.28	1086322.45	CL-CL-TRISTATE
233	339+32.72	2082774.21	1086410.06	CL-PC-TRISTATE
234	339+61.62	2082802.33	1086416.59	CL-PC-TRISTATE
235	340+00	2082839.68	1086425.13	CL-TRISTATE
236	342+00	2083011.50	1086526.27	CL-TRISTATE
237	395+00	2082717.36	1085855.25	CL-GRAND
238	403+00	2082439.72	1086605.44	CL-GRAND
239	100+00	2075438.11	1084662.54	CL-WASHINGTON
240	105+00	2075436.54	1085162.54	CL-WASHINGTON
241	110+00	2075434.97	1085662.54	CL-WASHINGTON
242	116+13.13	2075433.04	1086275.66	CL-CL-WASHINGTON & CHURCHILL
243	120+00	2075431.83	1086662.53	CL-WASHINGTON
245	125+00	2075430.37	1087162.53	CL-WASHINGTON
246	130+00	2075428.96	1087662.53	CL-WASHINGTON
247	135+00	2075427.56	1088162.53	CL-WASHINGTON
248	140+00	2075426.13	1088662.52	CL-WASHINGTON
249	142+00	2075425.54	1088862.52	CL-WASHINGTON
250	115+00	2075433.40	1086162.53	CL-WASHINGTON
251	250+00	2080431.19	1086869.91	CL-CEMETERY
252	340+12.94	2082851.81	1086429.63	CL-PCC-TRISTATE

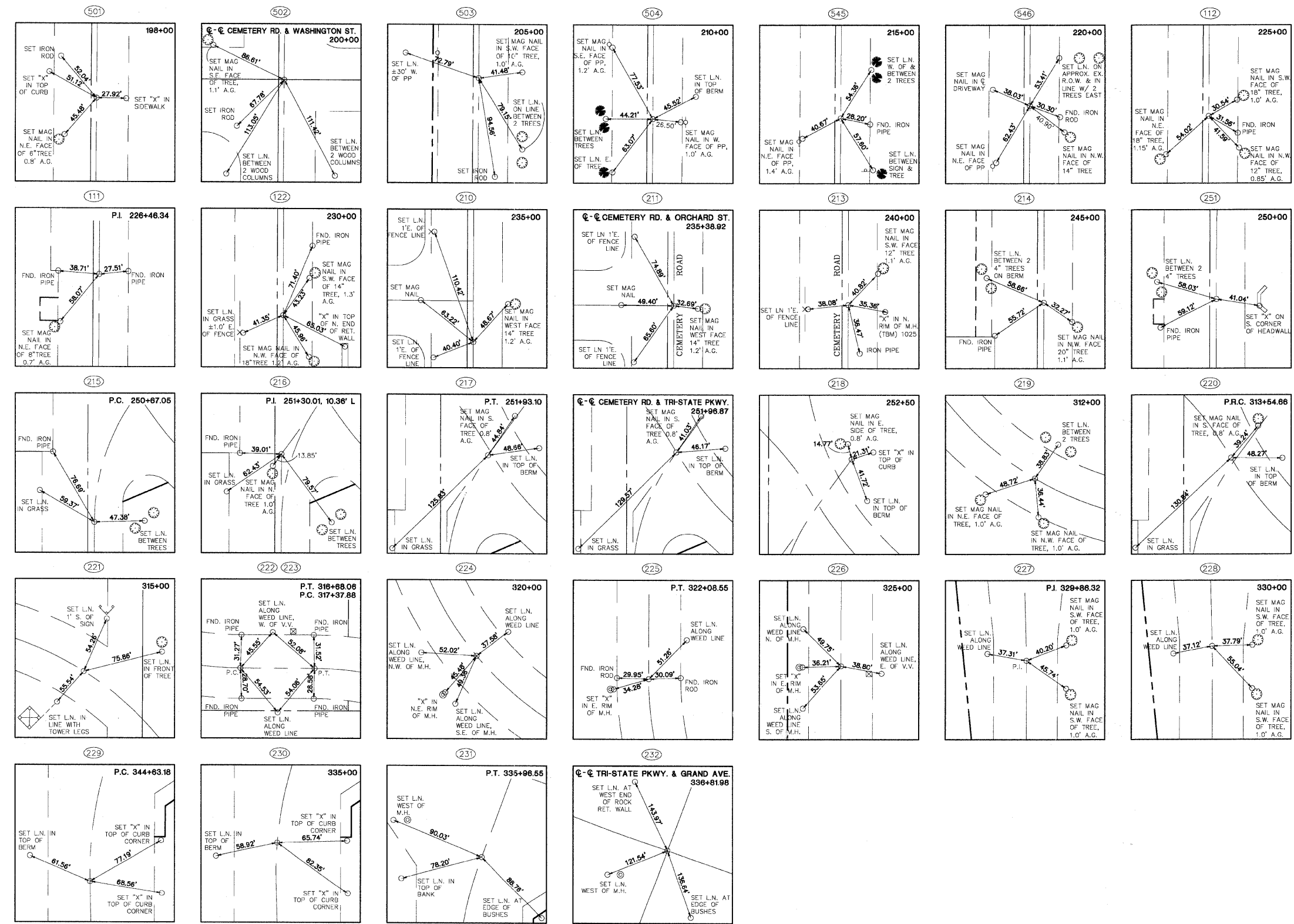
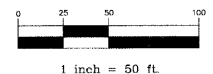
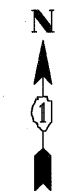


LEGEND
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REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
CEMETERY RD. / TRI-STATE PKWY.
CENTERLINE MAP
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD & WASHINGTON STREET
 SCALE: 1"=150'
 DATE: 2-8-05
 DRAWN BY: TJZ
 DESIGNED BY: EMP
 CHECKED BY: DWB



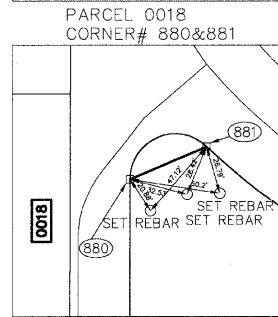
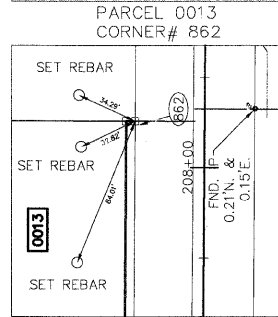
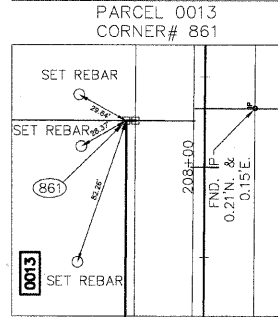
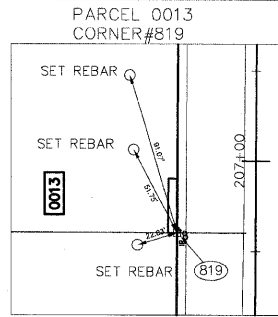
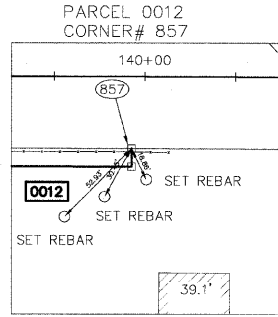
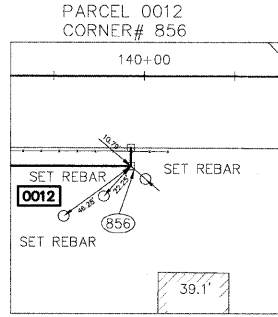
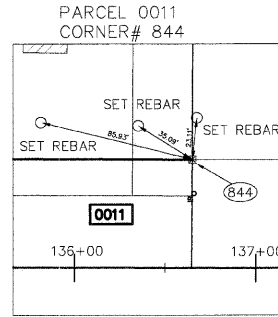
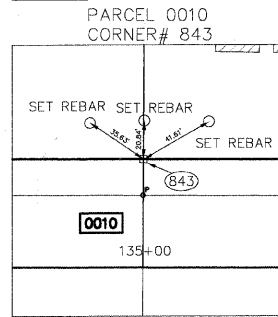
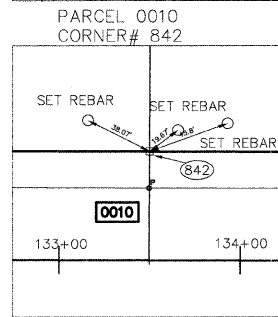
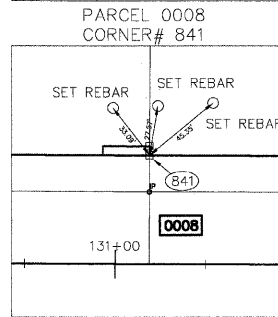
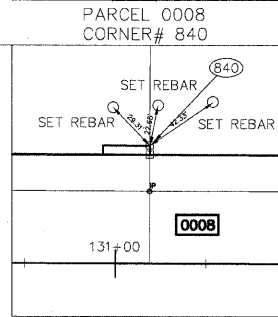
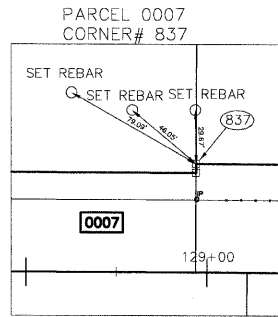
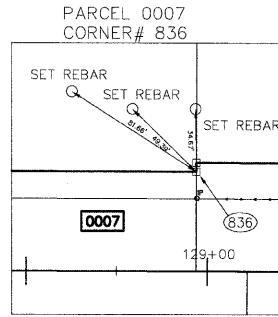
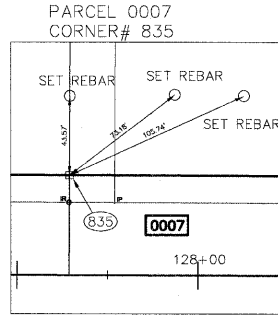
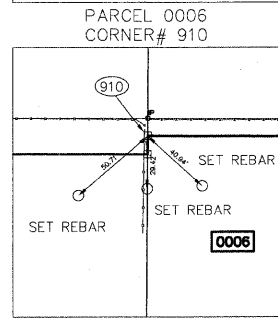
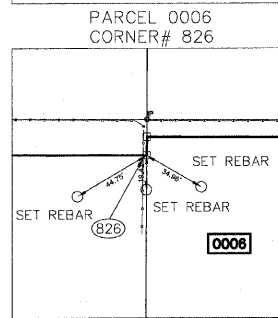
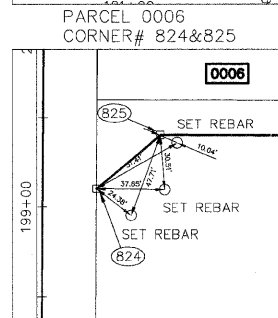
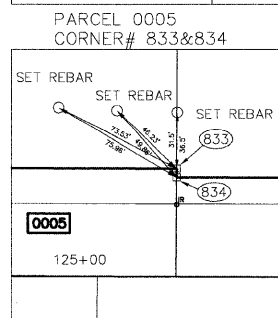
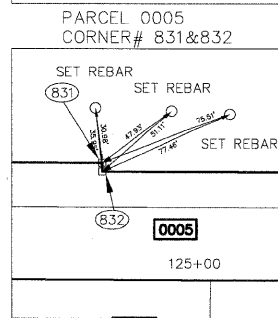
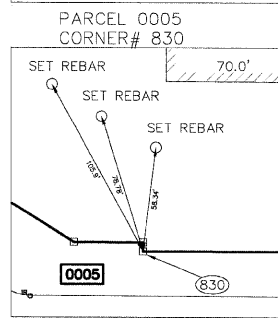
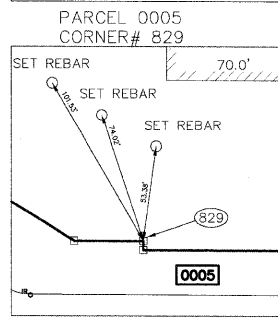
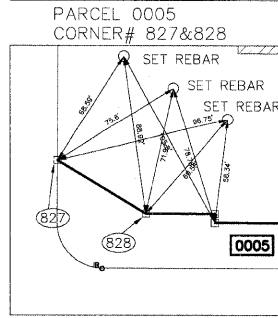
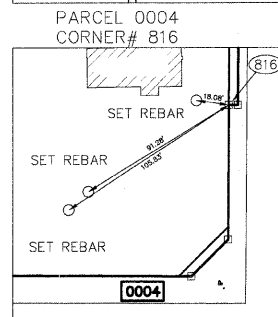
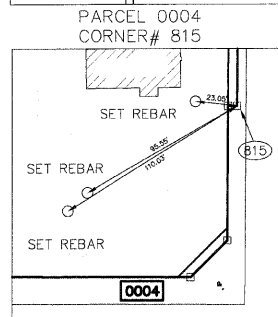
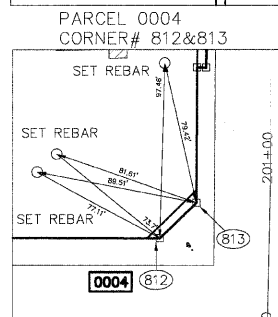
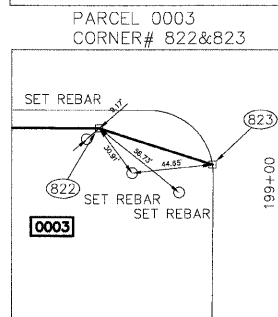
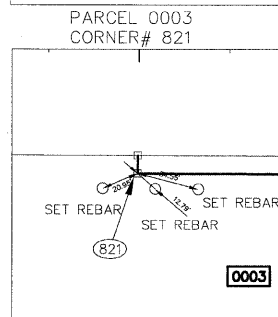
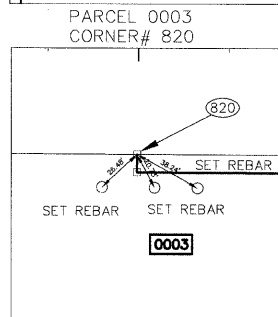
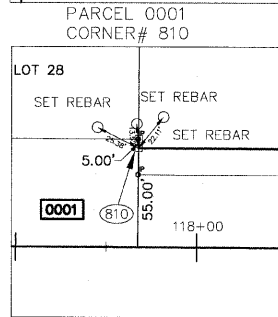
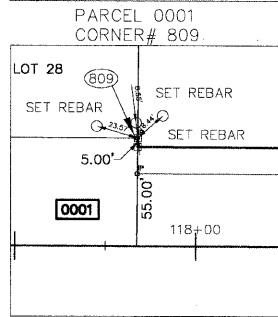
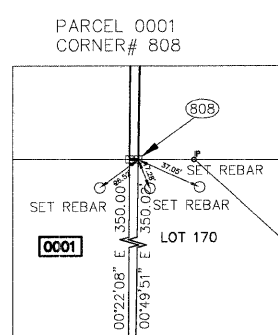
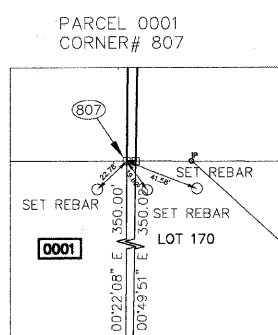
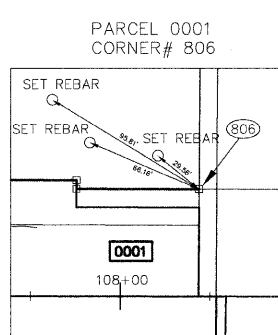
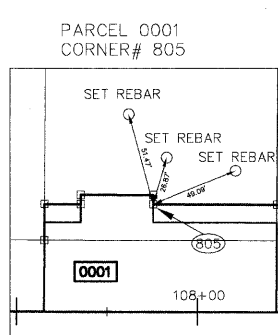
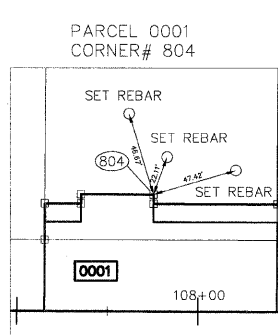
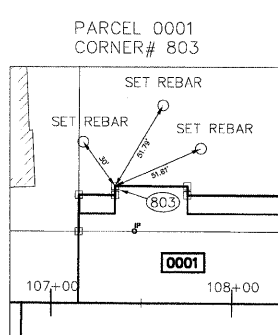
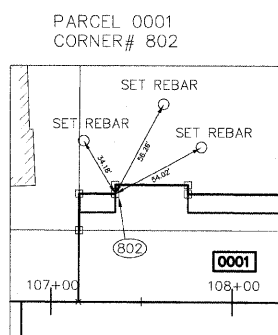
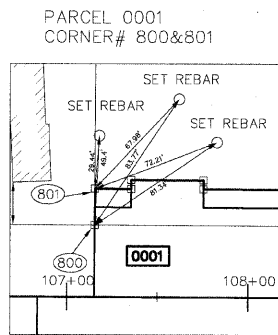
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
CEMETERY RD. / TRI-STATE PKWY. CENTERLINE TIES
 PROPOSED ROADWAY WIDENING AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD & WASHINGTON STREET
 SCALE: 1"=50'
 DATE: 2-8-05
 DRAWN BY: TJZ
 DESIGNED BY: EMP
 CHECKED BY: DWB

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	20
CEMETERY / TRI-STATE PL TIES				
CONTRACT NO. 83845		ILLINOIS		



PLANS PREPARED BY:
GEWALT HAMILTON
ASSOCIATES, INC.
Consulting Engineers & Surveyors
859 Forest Edge Drive
Verona Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

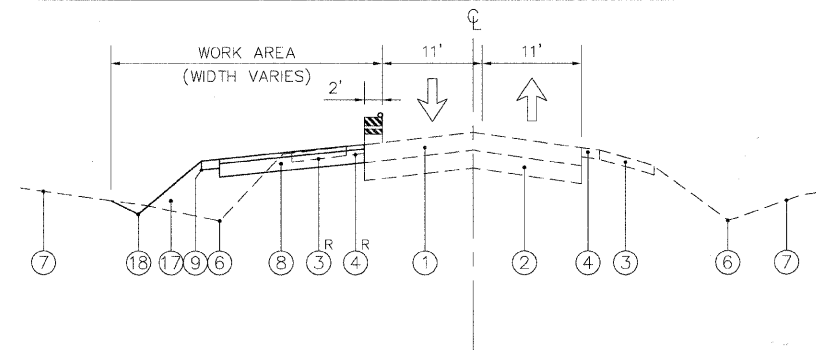
ILLINOIS DEPARTMENT OF TRANSPORTATION
CEMETERY RD. / TRI-STATE PKWY.
PROPERTY CORNER TIE SHEET
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD & WASHINGTON STREET

SCALE: 1"=50'
DATE: 06-12-06

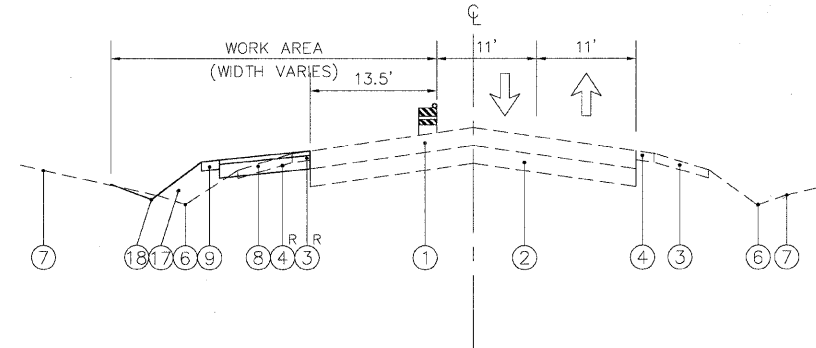
DRAWN BY: DIM
DESIGNED BY: EMP
CHECKED BY: TJZ

STAGE I GENERAL CONSTRUCTION NOTES

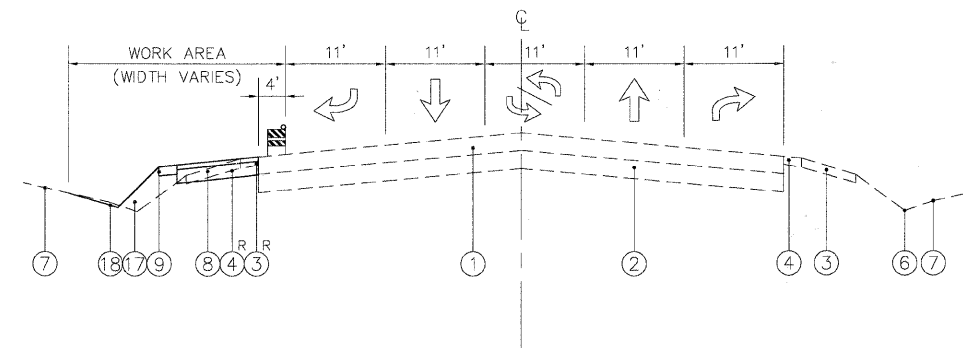
1. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, STATE STANDARDS AND AS DIRECTED BY THE RESIDENT ENGINEER.
2. THE MAIN ELEMENTS OF CONSTRUCTION ARE SHOWN IN THE CONSTRUCTION STAGING TYPICAL SECTIONS. FOR COMPLETE DETAIL, REFER TO THE TYPICAL SECTIONS.
3. ALL TRAFFIC CONTROL DEVICES SHALL BE IN PLACE PRIOR TO THE START OF CONSTRUCTION. THE TEMPORARY TRAFFIC SIGNALS SHALL BE CONSTRUCTED AT THE INTERSECTION OF CEMETERY ROAD AND WASHINGTON STREET AND SHALL INCLUDE THE TEMPORARY INTERCONNECT AS SHOWN ON THE PLANS. THE TEMPORARY TRAFFIC SIGNALS SHALL BE ADJUSTED TO ACCOMMODATE THE VARIOUS STAGES OF CONSTRUCTION.
ALL EXISTING STOP SIGNS SHALL BE RELOCATED TO CONTROL SIDE STREETS OR ENTRANCE TRAFFIC FOR VARIOUS STAGES OF CONSTRUCTION. THESE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING THE EXECUTION OF ALL CONSTRUCTION.
4. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 11' LANES IN EACH DIRECTION ON WASHINGTON STREET AT ALL TIMES UNLESS DIRECTED BY THE RESIDENT ENGINEER.
5. THE FOLLOWING TEMPORARY PAVEMENT MARKINGS SHALL BE PROVIDED AT ALL THE FOLLOWING LOCATIONS IN EACH OF THE VARIOUS STAGES OF CONSTRUCTION. ALL TEMPORARY PAVEMENT MARKINGS OUTSIDE OF THE LIMITS OF CONSTRUCTION SHALL BE TAPE, TYPE III:
 - 5" WHITE EDGE LINE--EACH EDGE (YELLOW FOR INSIDE EDGE)
 - 4" WHITE SKIP DASH (30' SKIP--10' DASH)--BETWEEN LANES
 - 4" WHITE DOUBLE YELLOW--MEDIANS AND BETWEEN OPPOSING LANES
 - 6" WHITE LANE LINE--STORAGE AREA TURN BAY
 - 6" WHITE SKIP DASH (6' SKIP--2' DASH)--LEFT TURN BAY
 - 12" YELLOW DIAGONALS (25' C--C)--MEDIANS AND GORES
 - 24" WHITE STOP BARS--ALL LOCATIONS
 - WHITE LETTERS AND SYMBOLS--TURN LANES
6. TEMPORARY PAVEMENT IS REQUIRED TO MAINTAIN THE REQUIRED TRAFFIC LANES ON WASHINGTON STREET AS SHOWN ON THE STAGING PLANS. THE TEMPORARY PAVEMENT IS TO CONSIST OF 8" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 AND 2" OF HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50.
7. ARROW BOARDS SHALL HAVE SOLAR POWER CAPABILITY.
8. ALL ADVANCE WARNING SIGNS SHALL BE MAINTAINED THROUGH ALL STAGES OF CONSTRUCTION.
9. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES DURING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN AGGREGATE DRIVEWAYS FOR TEMPORARY ACCESS AT ALL TIMES FOR ALL APPROACHES AND ENTRANCES ACCORDING TO ARTICLE 402 OF THE STANDARD SPECIFICATIONS. ALL ENTRANCES SHALL BE MAINTAINED 24 HOURS PER DAY, SEVEN DAYS PER WEEK. "DRIVEWAY" SIGNS SHALL BE PROVIDED AT ALL TEMPORARY ACCESS LOCATIONS. THESE SIGNS SHALL BE DOUBLE SIDED AND PLACED AT A LOCATION DETERMINED BY THE ENGINEER.
10. TYPE II BARRICADES EQUIPPED WITH MONO-DIRECTIONAL STEADY BURN LIGHTS SHALL BE PLACED AT 50' INTERVALS ALONG THE ROADWAY, 25' INTERVALS WITHIN THE TAPER SECTIONS AND 10' INTERVALS AROUND RADII AS INDICATED IN THE STANDARD DETAILS OR AS DIRECTED BY THE ENGINEER. BARRICADES WITH LEG EXTENSIONS SHALL BE USED WHERE NEEDED TO PROVIDE A MINIMUM DISTANCE OF 36" BETWEEN THE PAVEMENT AND TOP OF BARRICADE. BARRICADES IN TAPER SECTIONS SHALL HAVE DIRECTION INDICATOR PANELS.
11. THE CONTRACTOR SHALL NOTIFY ALL MUNICIPALITIES, EMERGENCY SERVICES, AND SCHOOL DISTRICTS THAT WILL BE AFFECTED BY ANY ROAD CLOSURES, 72 HOURS PRIOR TO THEIR IMPLEMENTATION.
12. ALL TEMPORARY SIGNING AS SHOWN SHALL CONFORM TO THE APPLICABLE STANDARDS INCLUDED IN THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE ITEM OF "TRAFFIC CONTROL AND PROTECTION".
13. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY CHANGE IN STAGING AT LEAST TWO(2) WORKING DAYS IN ADVANCE.
14. CONSTRUCTION SPEED LIMIT SIGNS, STANDARD 702001-02, SHALL BE LOCATED EVERY 1000' IN BOTH DIRECTIONS, AND AT INTERSECTIONS AS INDICATED ON THE PLANS. THE CONSTRUCTION ZONE SPEED LIMIT SHALL BE 35 M.P.H.



STAGE I CONSTRUCTION
WASHINGTON STREET
TYPICAL FOR EXISTING 2 LANE SECTION



STAGE I CONSTRUCTION
WASHINGTON STREET
TYPICAL FOR EXISTING 3 LANE SECTION



STAGE I CONSTRUCTION
WASHINGTON STREET
TYPICAL FOR EXISTING INTERSECTION

LEGEND

- ① EXISTING BITUMINOUS PAVEMENT (VARIES 8" TO 16")
 - ② EXISTING AGGREGATE BASE COURSE (VARIES 5" TO 16")
 - ③ EXISTING AGGREGATE SHOULDER
 - ④ EXISTING BITUMINOUS SHOULDER
 - ⑤ EXISTING CURB & GUTTER
 - ⑥ EXISTING DITCH/SWALE
 - ⑦ EXISTING GROUND
 - ⑧ TEMPORARY BITUMINOUS PAVEMENT (10")
 - ⑨ TEMPORARY AGGREGATE SHOULDER, TYPE B, 4"
 - ⑩ TEMPORARY DITCH/SWALE
 - ⑪ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
 - ⑫ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"
 - ⑬ AGGREGATE SUBGRADE, 12"
 - ⑭ COMBINATION CONC. CURB & GUTTER, TY. B-6.12
 - ⑮ COMBINATION CONC. CURB & GUTTER, TY. B-6.24
 - ⑯ PIPE UNDERDRAINS, 4"(MODIFIED)
 - ⑰ FURNISHED EXCAVATION
 - ⑱ DITCH/SWALE
 - ⑲ TOPSOIL PLACEMENT, 6" & SEEDING CLASS 2A
 - ⑳ SIDEWALK
- ^P ITEM FROM PREVIOUS STAGE
○^R ITEM TO BE REMOVED

STAGE CONSTRUCTION SCHEDULE (SUGGESTED CONSTRUCTION)
STAGE I - WASHINGTON STREET

- A. STAGE I CONSISTS OF CONSTRUCTING THE TEMPORARY PAVEMENT ON THE NORTHSIDE OF WASHINGTON STREET.
- B. THE CONTRACTOR SHALL SET UP THE TRAFFIC CONTROL IN ACCORDANCE WITH THE DETAILS IN THE PLANS AND THE APPLICABLE PORTIONS OF STANDARDS 701501 AND 701606, STANDARD 701401 AND MODIFIED IDOT DISTRICT ONE SIDE ROAD DETAIL. REMOVE ANY CONFLICTING PAVEMENT MARKINGS.
- C. CONSTRUCT THE TEMPORARY PAVEMENT, TEMPORARY SHOULDER AND TEMPORARY DITCH/SWALE. PROVIDE ALL NECESSARY EROSION CONTROL.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	21
WASHINGTON STREET STAGE I TYPICAL SECTIONS				
CONTRACT NO. 83845		ILLINOIS		

PLANS PREPARED BY:
GEWALT HAMILTON
ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION

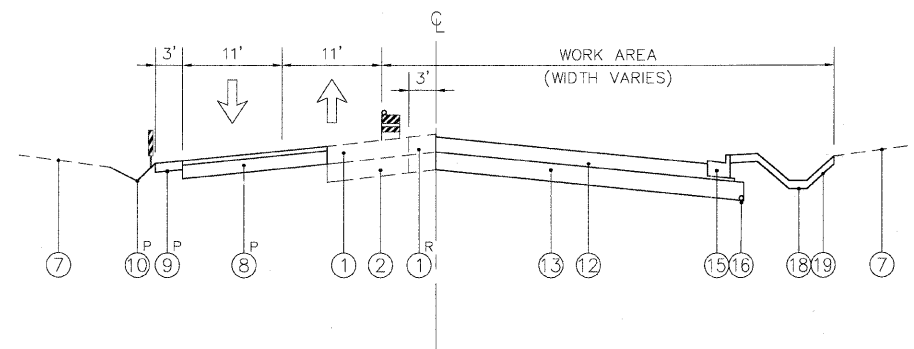
WASHINGTON STREET
PROPOSED CONSTRUCTION STAGING,
TRAFFIC CONTROL, GENERAL NOTES AND
TYPICAL SECTIONS - STAGE I

SCALE: NONE
DATE: 11-02-04

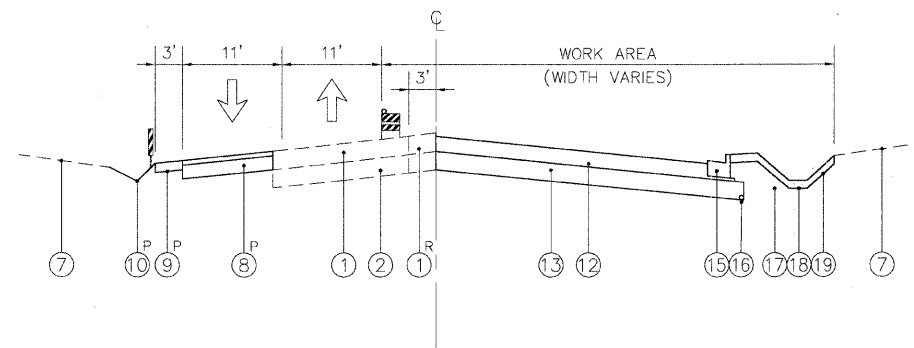
DRAWN BY: CGP
DESIGNED BY: JRD
CHECKED BY: BLS

STAGE CONSTRUCTION SCHEDULE (SUGGESTED CONSTRUCTION)
STAGE II - WASHINGTON STREET

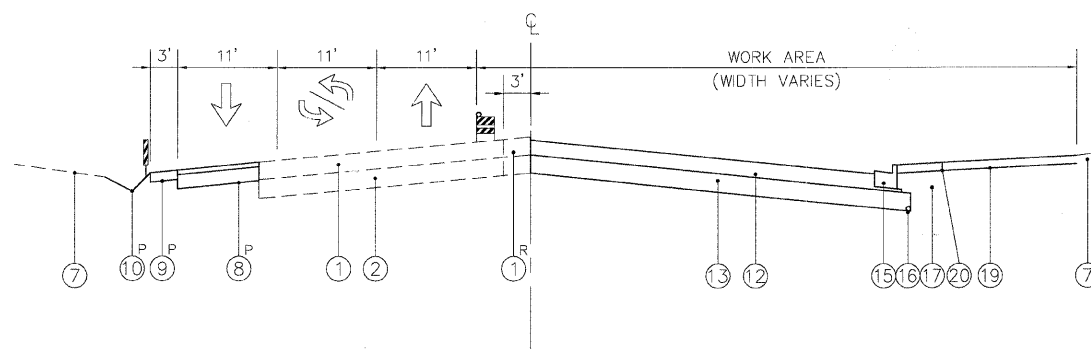
- A. STAGE II CONSISTS OF CONSTRUCTING THE SOUTHSIDE OF WASHINGTON STREET, THE TEMPORARY PAVEMENT ALONG WASHINGTON STREET NEAR CEMETERY ROAD AND THE SOUTH SIDE OF CEMETERY ROAD. CEMETERY ROAD NORTH OF WASHINGTON STREET SHALL BE CLOSED DURING STAGE II AND III OF THIS CONSTRUCTION STAGING PLAN.
- B. SET UP THE TRAFFIC CONTROL IN ACCORDANCE WITH DETAILS IN THE PLANS AND THE APPLICABLE PORTIONS OF STANDARDS 701606, 701331 AND 701701 AND IDOT DISTRICT ONE, SIDE ROAD DETAIL. THE CONTRACTOR SHALL REMOVE ANY CONFLICTING PAVEMENT MARKINGS.
- C. THE CONTRACTOR SHALL CONSTRUCT ALL DITCHES, STORM SEWERS, LATERALS AND DRAINAGE STRUCTURES ON THE SOUTH SIDE OF WASHINGTON STREET WITH APPROPRIATE EROSION CONTROL. THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED TRAFFIC SIGNAL INTERCONNECT CONDUIT.
- D. THE CONTRACTOR SHALL CONSTRUCT ALL SUBGRADE, HOT-MIX ASPHALT BINDER COURSE AND CURB AND GUTTER ON WASHINGTON STREET.
- E. CONSTRUCT THE TEMPORARY PAVEMENT ALONG THE SOUTH SIDE OF WASHINGTON STREET, EAST OF CEMETERY ROAD AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.
- F. COMPLETE THE STORM SEWER, LATERALS, DRAINAGE STRUCTURES, SUBGRADE, HOT-MIX ASPHALT BINDER COURSE AND CURB AND GUTTER ON THE EAST SIDE OF CEMETERY ROAD PRIOR TO CONSTRUCTION ON THE WEST SIDE OF CEMETERY ROAD.
- G. COMPLETE THE DRAINAGE, MINOR WIDENING AND CURB AND GUTTER ON THE WEST SIDE OF CEMETERY ROAD.
- H. CONSTRUCT ALL SIDEWALKS AS SHOWN ON THE PLANS.
- I. COMPLETE ALL DITCHING AND LANDSCAPING SHOWN ON THE PLANS TO FINAL GRADE.



STAGE II CONSTRUCTION
WASHINGTON STREET
TYPICAL FOR EXISTING 2 LANE SECTION



STAGE II CONSTRUCTION
WASHINGTON STREET
TYPICAL FOR EXISTING 3 LANE SECTION



STAGE II CONSTRUCTION
WASHINGTON STREET
TYPICAL FOR EXISTING INTERSECTION

LEGEND

- ① EXISTING BITUMINOUS PAVEMENT (VARIES 8" TO 16")
- ② EXISTING AGGREGATE BASE COURSE (VARIES 5" TO 16")
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING BITUMINOUS SHOULDER
- ⑤ EXISTING CURB & GUTTER
- ⑥ EXISTING DITCH/SWALE
- ⑦ EXISTING GROUND
- ⑧ TEMPORARY BITUMINOUS PAVEMENT (10")
- ⑨ TEMPORARY AGGREGATE SHOULDER, TYPE B, 4"
- ⑩ TEMPORARY DITCH/SWALE
- ⑪ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
- ⑫ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"
- ⑬ AGGREGATE SUBGRADE, 12"
- ⑭ COMBINATION CONC. CURB & GUTTER, TY. B-6.12
- ⑮ COMBINATION CONC. CURB & GUTTER, TY. B-6.24
- ⑯ PIPE UNDERDRAINS, 4"(MODIFIED)
- ⑰ FURNISHED EXCAVATION
- ⑱ DITCH/SWALE
- ⑲ TOPSOIL PLACEMENT, 6" & SEEDING CLASS 2A
- ⑳ SIDEWALK

- ^P ITEM FROM PREVIOUS STAGE
- ^R ITEM TO BE REMOVED

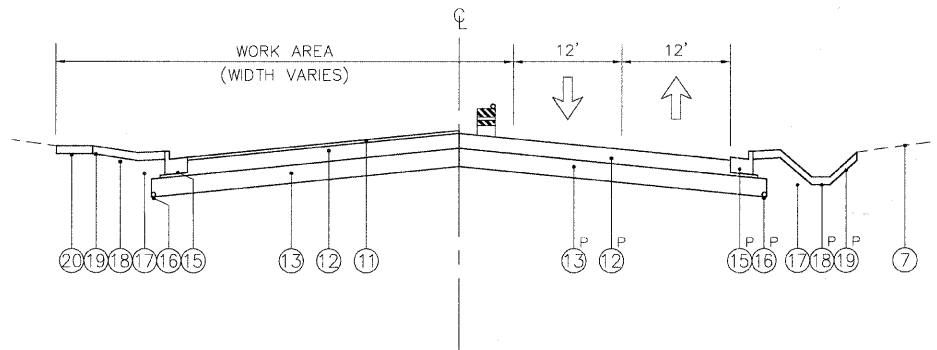
PLANS PREPARED BY:
GEWALT HAMILTON
ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 476-9700
(847) 476-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
WASHINGTON STREET
PROPOSED CONSTRUCTION STAGING,
TRAFFIC CONTROL, GENERAL NOTES AND
TYPICAL SECTIONS - STAGE II
SCALE: NONE
DATE: 11-02-04
DRAWN BY: CGP
DESIGNED BY: JRD
CHECKED BY: BLS

STAGE CONSTRUCTION SCHEDULE (SUGGESTED CONSTRUCTION)
STAGE III - WASHINGTON STREET

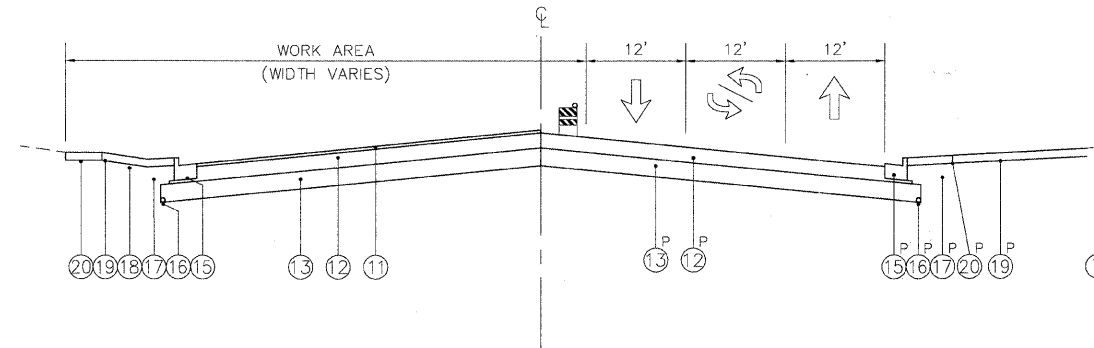
- A. STAGE III CONSISTS OF CONSTRUCTING THE NORTHSIDE OF WASHINGTON STREET.
- B. SET UP THE TRAFFIC CONTROL IN ACCORDANCE WITH THE DETAILS IN THE PLANS AND THE APPLICABLE PORTIONS OF STANDARD 701606 AND IDOT DISTRICT ONE SIDE ROAD DETAIL. THE CONTRACTOR SHALL REMOVE ANY CONFLICTING PAVEMENT MARKINGS.
- C. THE CONTRACTOR SHALL CONSTRUCT THE DRAINAGE STRUCTURES, LATERALS AND APPROPRIATE EROSION CONTROL, ALL SUBGRADE, HOT-MIX ASPHALT BINDER COURSE AND THE CURB AND GUTTER ON THE NORTHSIDE OF WASHINGTON STREET.
- D. CEMETERY ROAD NORTH OF WASHINGTON STREET SHALL BE CLOSED DURING STAGE II AND III OF THIS CONSTRUCTION STAGING PLAN.



STAGE III CONSTRUCTION
WASHINGTON STREET
TYPICAL FOR ALL SECTIONS

STAGE CONSTRUCTION SCHEDULE (SUGGESTED CONSTRUCTION)
STAGE IV - WASHINGTON STREET

- A. STAGE IV CONSISTS OF REMOVING THE TEMPORARY PAVEMENT ALONG WASHINGTON STREET NEAR CEMETERY ROAD AND REPLACING IT WITH CURB AND GUTTER.
- B. USING THE DAYTIME CLOSURES AND FLAGMEN FOR MODIFIED STANDARD 701606, THE CONTRACTOR SHALL INSTALL THE ENTIRE HOT-MIX ASPHALT SURFACE COURSE AND ALL PERMANENT PAVEMENT MARKINGS.



STAGE III CONSTRUCTION
WASHINGTON STREET
TYPICAL AT INTERSECTION

LEGEND

- ① EXISTING BITUMINOUS PAVEMENT (VARIES 8" TO 16")
 - ② EXISTING AGGREGATE BASE COURSE (VARIES 5" TO 16")
 - ③ EXISTING AGGREGATE SHOULDER
 - ④ EXISTING BITUMINOUS SHOULDER
 - ⑤ EXISTING CURB & GUTTER
 - ⑥ EXISTING DITCH/SWALE
 - ⑦ EXISTING GROUND
 - ⑧ TEMPORARY BITUMINOUS PAVEMENT (10")
 - ⑨ TEMPORARY AGGREGATE SHOULDER, TYPE B, 4"
 - ⑩ TEMPORARY DITCH/SWALE
 - ⑪ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
 - ⑫ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2"
 - ⑬ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 8"
 - ⑬ AGGREGATE SUBGRADE, 12"
 - ⑭ COMBINATION CONC. CURB & GUTTER, TY. B-6.12
 - ⑮ COMBINATION CONC. CURB & GUTTER, TY. B-6.24
 - ⑯ PIPE UNDERDRAINS, 4"(MODIFIED)
 - ⑰ FURNISHED EXCAVATION
 - ⑱ DITCH/SWALE
 - ⑲ TOPSOIL PLACEMENT, 6" & SEEDING CLASS 2A
 - ⑳ SIDEWALK
- ^P ITEM FROM PREVIOUS STAGE
○^R ITEM TO BE REMOVED

PLANS PREPARED BY:
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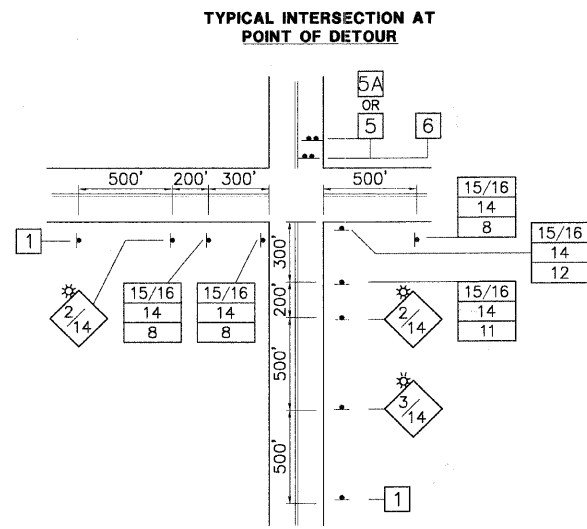
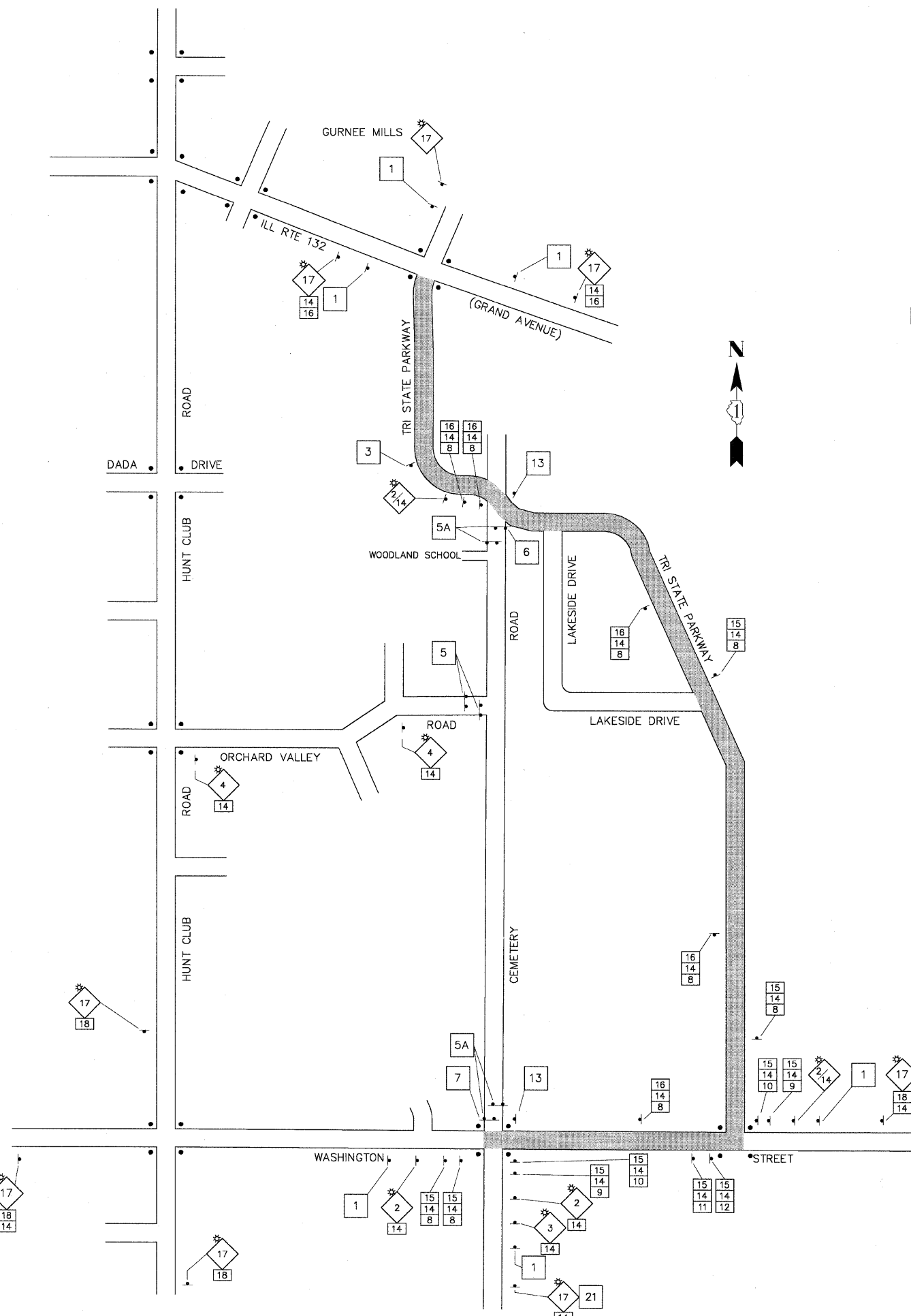
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION

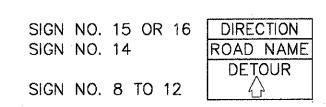
WASHINGTON STREET
PROPOSED CONSTRUCTION STAGING,
TRAFFIC CONTROL, GENERAL NOTES AND
TYPICAL SECTIONS - STAGE III

SCALE: NONE
DATE: 11-02-04

DRAWN BY: CGP
DESIGNED BY: JRD
CHECKED BY: BLS



TYPICAL DETOUR SIGN ASSEMBLY



- LEGEND**
- SIGNALIZED INTERSECTION
 - W20-1 48 IN. x 48 IN. CONSTRUCTION WARNING SIGN, WITH AMBER FLASHING LIGHT. NUMBER DENOTES TYPE
 - M4-9 SERIES DETOUR SIGN WITH ROAD NAME AND DIRECTION PLATES. NUMBER DENOTES TYPE
 - OTHER DETOUR SIGNS. NUMBER DENOTES TYPE
 - TYPE III BARRICADES WITH AMBER FLASHING LIGHTS
 - DETOUR ROUTE

SCHEDULE OF QUANTITIES

SIGN NO.	SIGN TYPE	QUANTITY
1	CEMETERY ROAD CLOSED TO THRU TRAFFIC USE TRI STATE PKWY	SPECIAL 8
2	DETOUR 500 FT	W20-2 9
3	ROAD CLOSED 1000 FT	W20-3 1
4	ROAD CLOSED AHEAD	W20-3 2
5	ROAD CLOSED	R11-2 2
5A	ROAD CLOSED TO THRU TRAFFIC	R11-4 3
6	DETOUR	M4-10L 1
7	DETOUR	M4-10L 1
8	DETOUR	M4-9 20
9	DETOUR	M4-9R 4
10	DETOUR	M4-9R 4
11	DETOUR	M4-9L 5
12	DETOUR	M4-9L 5
13	END DETOUR	M4-8a 2
14	CEMETERY RD	SPECIAL 48
15	NORTH	M3-1 17
16	SOUTH	M3-3 21
17	ROAD CONSTRUCTION AHEAD	W20 8
18	WASHINGTON ST	SPECIAL 3
19	DETOUR	M1-6L 1
20	DETOUR	M1-6R 1
21	DETOUR	M6-4 1

PLANS PREPARED BY:
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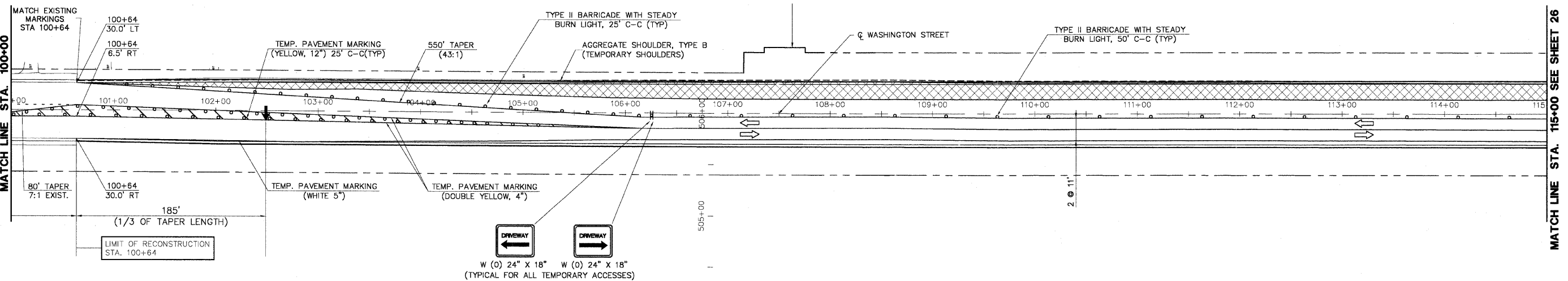
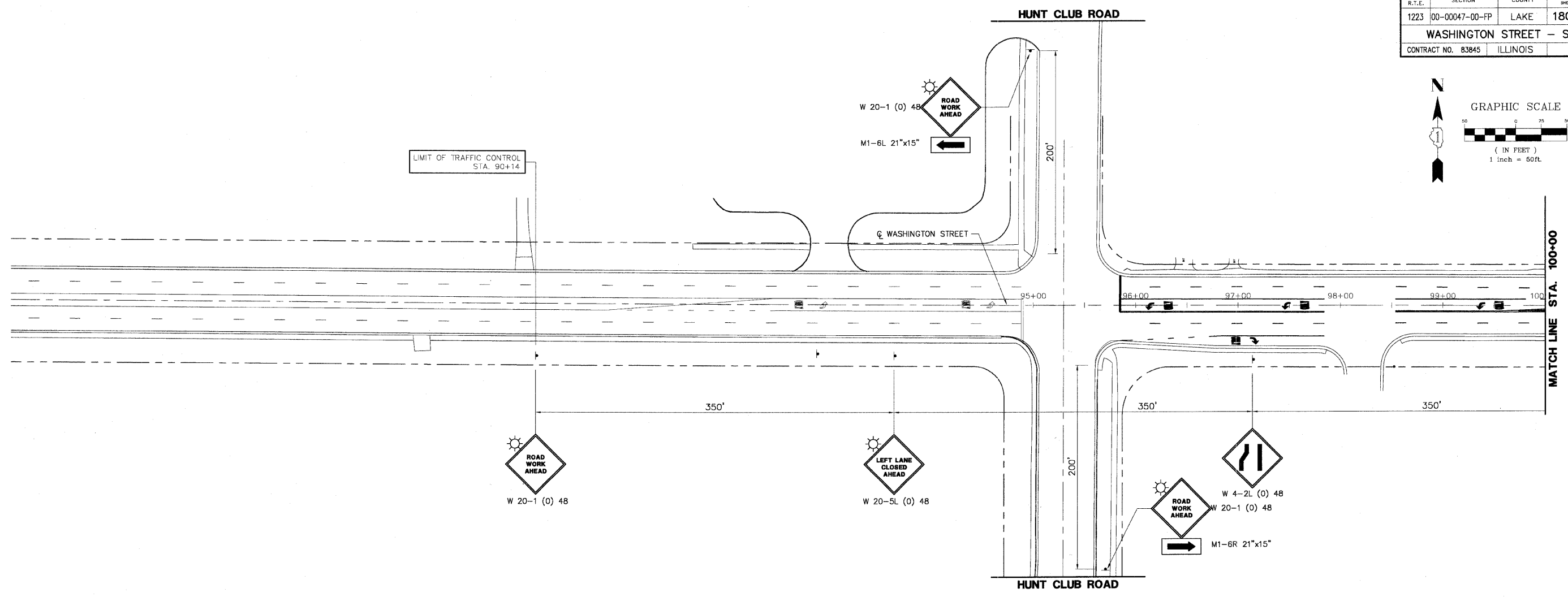
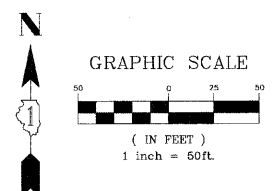
ILLINOIS DEPARTMENT OF TRANSPORTATION

DETOUR PLAN
CEMETERY ROAD

SCALE: NONE
 DATE: 11-02-04

DRAWN BY: CGP
 DESIGNED BY: JRD
 CHECKED BY: BLS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	25
WASHINGTON STREET - STAGE I				
CONTRACT NO. B3845		ILLINOIS		



LEGEND

- | | | | |
|--|--------------------|--|--|
| | TEMPORARY PAVEMENT | | TYPE II BARRICADES WITH STEADY BURN LIGHT (SHRP BARRICADES USED FOR LANE TAPERS) |
| | WORK AREA | | TYPE II BARRICADES WITH FLASHING LIGHT |
| | SIGN | | TYPE III BARRICADE |
| | ARROW BOARD | | |
| | VERTICAL BOARD | | |

NOTE:

TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS AND THE APPLICABLE PORTIONS OF LAKE COUNTY STANDARDS LC7003 AND LC7004.

CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS AT STATIONS 107+50 AND 137+20. RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE.

ALL TEMPORARY PAVEMENT MARKINGS WHICH ARE INSTALLED OUTSIDE THE LIMITS OF CONSTRUCTION, SHALL BE TYPE III TAPE.

CEMETERY ROAD NORTH OF WASHINGTON STREET SHALL BE CLOSED DURING STAGE II AND STAGE III OF THIS PLAN

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
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 (847) 478-9701 Fax

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PS&S SUBMITTAL	04-10-09

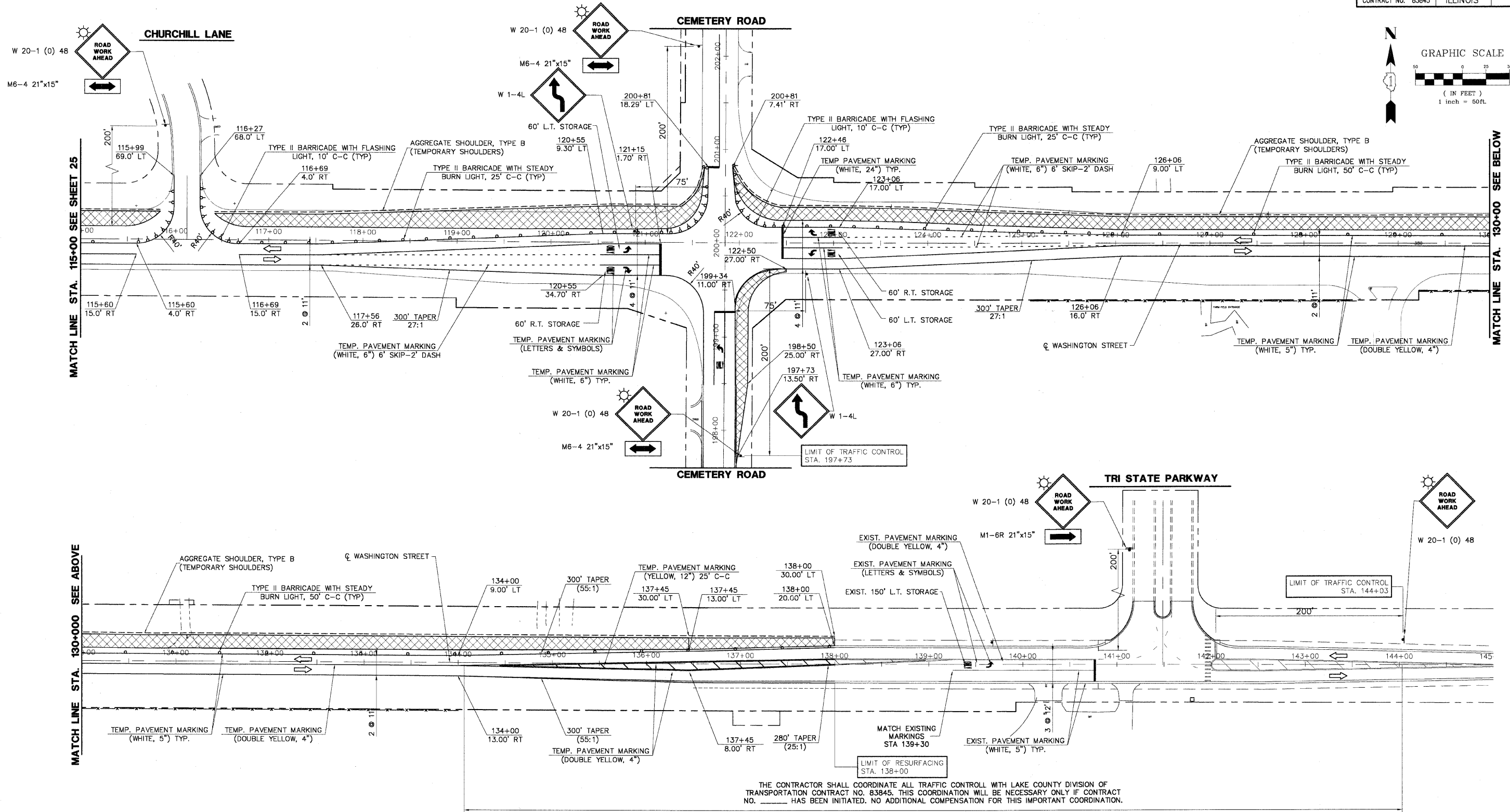
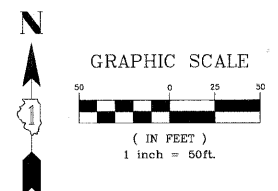
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED CONSTRUCTION STAGING & TRAFFIC CONTROL - STAGE I

**WASHINGTON STREET
 STA 85+00 TO 115+00**

SCALE: 1"=50'
 DATE: 11-02-04

DRAWN BY: CGP
 DESIGNED BY: JRD
 CHECKED BY: BLS

3/01/2012 10:02:09 AM



MATCH LINE STA. 115+00 SEE SHEET 25

MATCH LINE STA. 130+00 SEE BELOW

MATCH LINE STA. 130+000 SEE ABOVE

THE CONTRACTOR SHALL COORDINATE ALL TRAFFIC CONTROL WITH LAKE COUNTY DIVISION OF TRANSPORTATION CONTRACT NO. 83845. THIS COORDINATION WILL BE NECESSARY ONLY IF CONTRACT NO. _____ HAS BEEN INITIATED. NO ADDITIONAL COMPENSATION FOR THIS IMPORTANT COORDINATION.

LEGEND

- | | | | |
|--|--------------------|--|--|
| | TEMPORARY PAVEMENT | | TYPE II BARRICADES WITH STEADY BURN LIGHT (SHRP BARRICADES USED FOR LANE TAPERS) |
| | WORK AREA | | TYPE II BARRICADES WITH FLASHING LIGHT |
| | SIGN | | TYPE III BARRICADE |
| | ARROW BOARD | | |
| | VERTICAL BOARD | | |

NOTE:

TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS AND THE APPLICABLE PORTIONS OF LAKE COUNTY STANDARDS LC7073 AND LC7004.

CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS AT STATIONS 107+50 AND 137+20. RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE.

ALL TEMPORARY PAVEMENT MARKINGS WHICH ARE INSTALLED OUTSIDE THE LIMITS OF CONSTRUCTION, SHALL BE TYPE III TAPE.

CEMETERY ROAD NORTH OF WASHINGTON STREET SHALL BE CLOSED DURING STAGE II AND STAGE III OF THIS PLAN

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
 Consulting Engineers & Surveyors
 850 Forest Edge Drive
 Vernon Hills, IL 60061
 (847) 478-9700
 (847) 478-9701 Fax

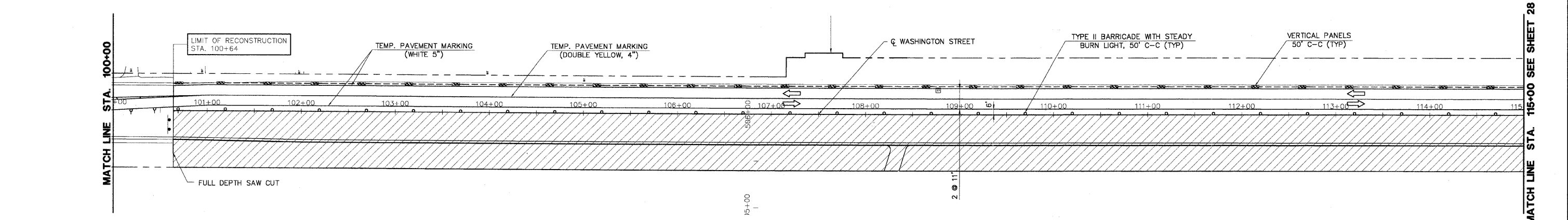
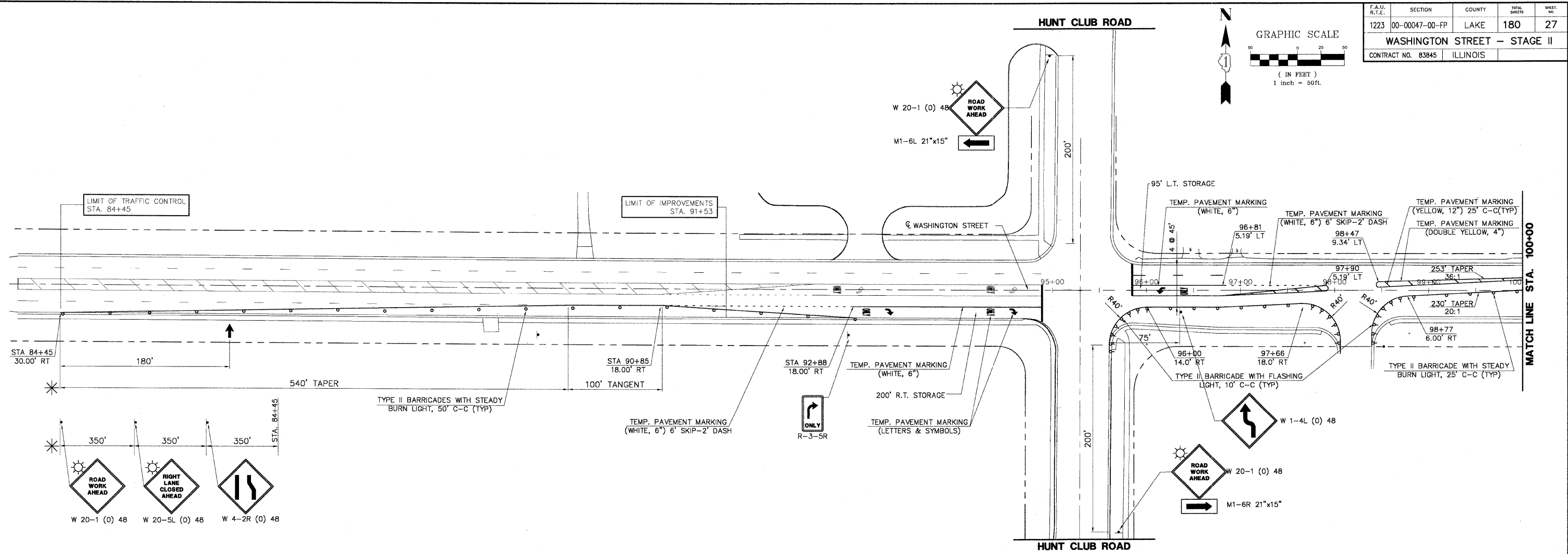
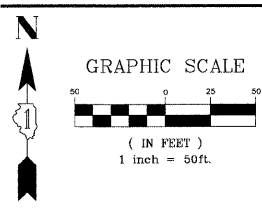
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-3 LCDOT COMMENTS	11-20-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED CONSTRUCTION STAGING & TRAFFIC CONTROL - STAGE I

**WASHINGTON STREET
 STA 115+00 TO 143+00**

SCALE: 1"=50'
 DATE: 11-02-04

DRAWN BY: CGP
 DESIGNED BY: JRD
 CHECKED BY: BLS



LEGEND	
	TEMPORARY PAVEMENT
	WORK AREA
	SIGN
	ARROW BOARD
	VERTICAL BOARD
	TYPE II BARRICADES WITH STEADY BURN LIGHT (SHRP BARRICADES USED FOR LANE TAPERS)
	TYPE II BARRICADES WITH FLASHING LIGHT
	TYPE III BARRICADE

NOTE:

TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS AND THE APPLICABLE PORTIONS OF LAKE COUNTY STANDARDS LC7003 AND LC7004.

CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS AT STATIONS 107+50 AND 137+20, RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE.

ALL TEMPORARY PAVEMENT MARKINGS WHICH ARE INSTALLED OUTSIDE THE LIMITS OF CONSTRUCTION, SHALL BE TYPE III TAPE.

CEMETERY ROAD NORTH OF WASHINGTON STREET SHALL BE CLOSED DURING STAGE II AND STAGE III OF THIS PLAN

PLANS PREPARED BY:
GEWALT HAMILTON
 ASSOCIATES, INC.
 Consulting Engineers & Surveyors
 850 Forest Edge Drive
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 (847) 478-9700
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

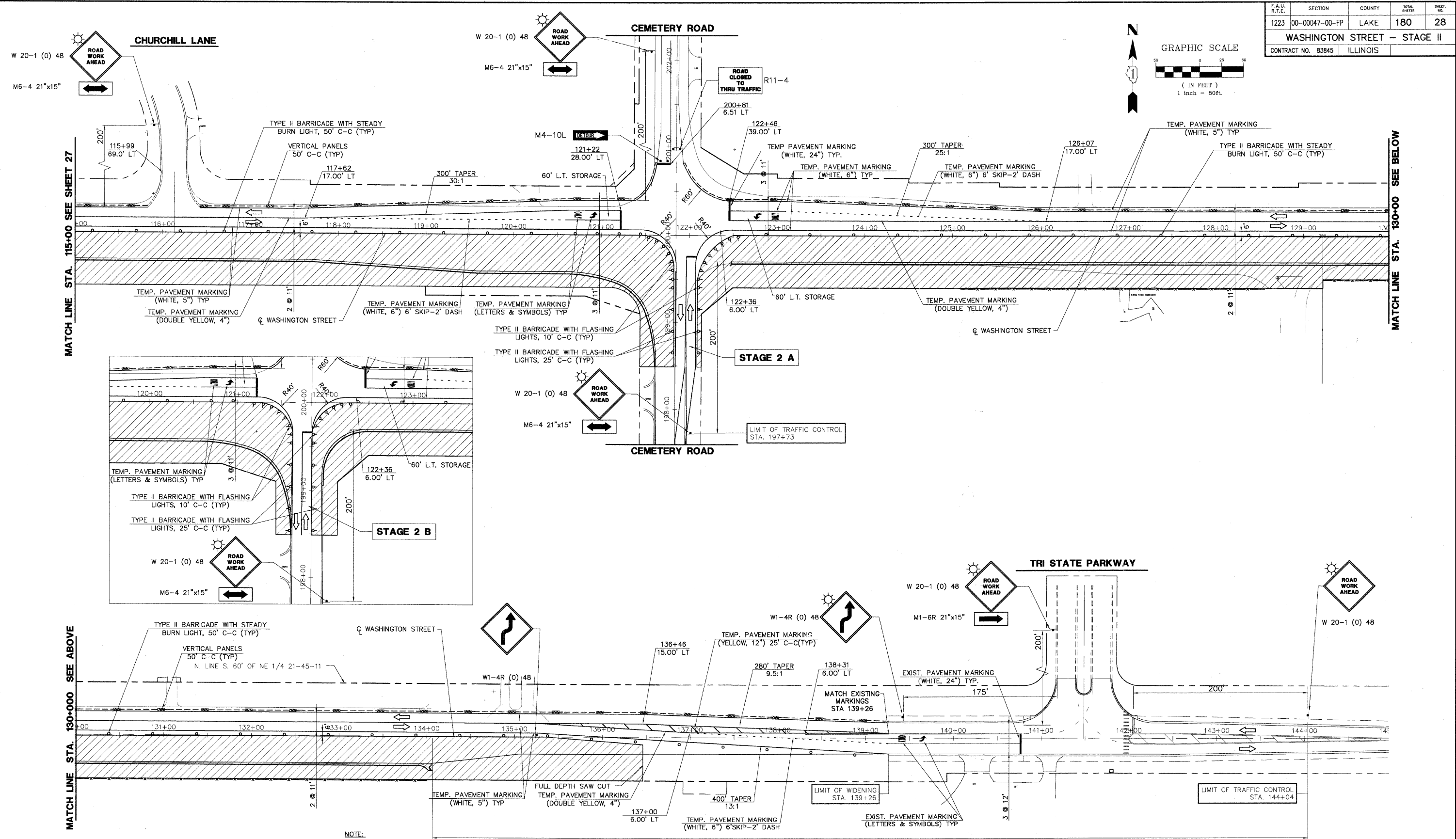
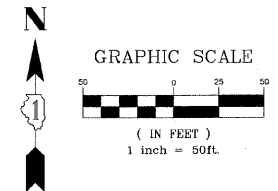
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED CONSTRUCTION STAGING & TRAFFIC CONTROL - STAGE II

**WASHINGTON STREET
 STA 85+00 TO 115+00**

SCALE: 1"=50'
 DATE: 11-02-04

DRAWN BY: CGP
 DESIGNED BY: JRD
 CHECKED BY: BLS

MATCH LINE STA. 115+00 SEE SHEET 28



LEGEND

	TEMPORARY PAVEMENT		TYPE II BARRICADES WITH STEADY BURN LIGHT (SHRP BARRICADES USED FOR LANE TAPERS)
	WORK AREA		TYPE II BARRICADES WITH FLASHING LIGHT
	SIGN		TYPE III BARRICADE
	ARROW BOARD		
	VERTICAL BOARD		

NOTE:

TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS AND THE APPLICABLE PORTIONS OF LAKE COUNTY STANDARDS LC7003 AND LC7004.

CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS AT STATIONS 107+50 AND 137+20. RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE.

ALL TEMPORARY PAVEMENT MARKINGS WHICH ARE INSTALLED OUTSIDE THE LIMITS OF CONSTRUCTION, SHALL BE TYPE III TAPE.

CEMETERY ROAD NORTH OF WASHINGTON STREET SHALL BE CLOSED DURING STAGE II AND STAGE III OF THIS PLAN.

THE CONTRACTOR SHALL COORDINATE ALL TRAFFIC CONTROL WITH LAKE COUNTY DIVISION OF TRANSPORTATION CONTRACT NO. 83845. THIS COORDINATION WILL BE NECESSARY ONLY IF CONTRACT NO. _____ HAS BEEN INITIATED. NO ADDITIONAL COMPENSATION FOR THIS IMPORTANT COORDINATION.

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
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 (847) 478-9700
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-3 LCDOT COMMENTS	11-20-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

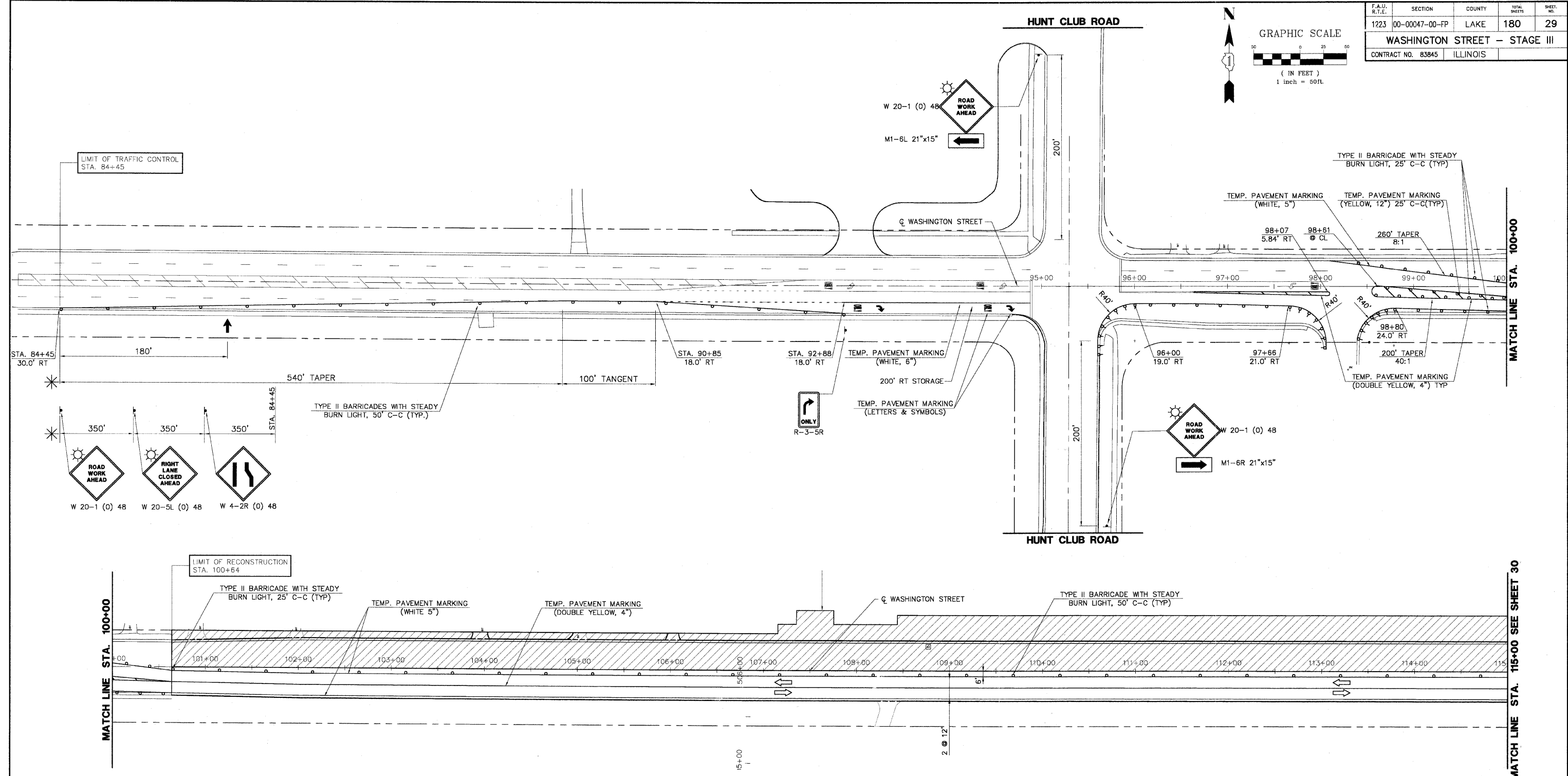
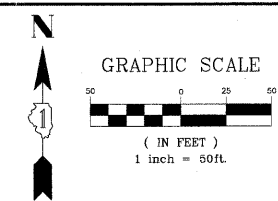
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED CONSTRUCTION STAGING & TRAFFIC CONTROL - STAGE II

**WASHINGTON STREET
 STA 115+00 TO 143+00**

SCALE: 1"=50'
 DATE: 11-02-04

DRAWN BY: CGP
 DESIGNED BY: JRD
 CHECKED BY: BLS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	29
WASHINGTON STREET - STAGE III				
CONTRACT NO. 83845		ILLINOIS		



LEGEND	
	TEMPORARY PAVEMENT
	WORK AREA
	SIGN
	ARROW BOARD
	VERTICAL BOARD
	TYPE II BARRICADES WITH STEADY BURN LIGHT (SHRP BARRICADES USED FOR LANE TAPERS)
	TYPE II BARRICADES WITH FLASHING LIGHT
	TYPE III BARRICADE

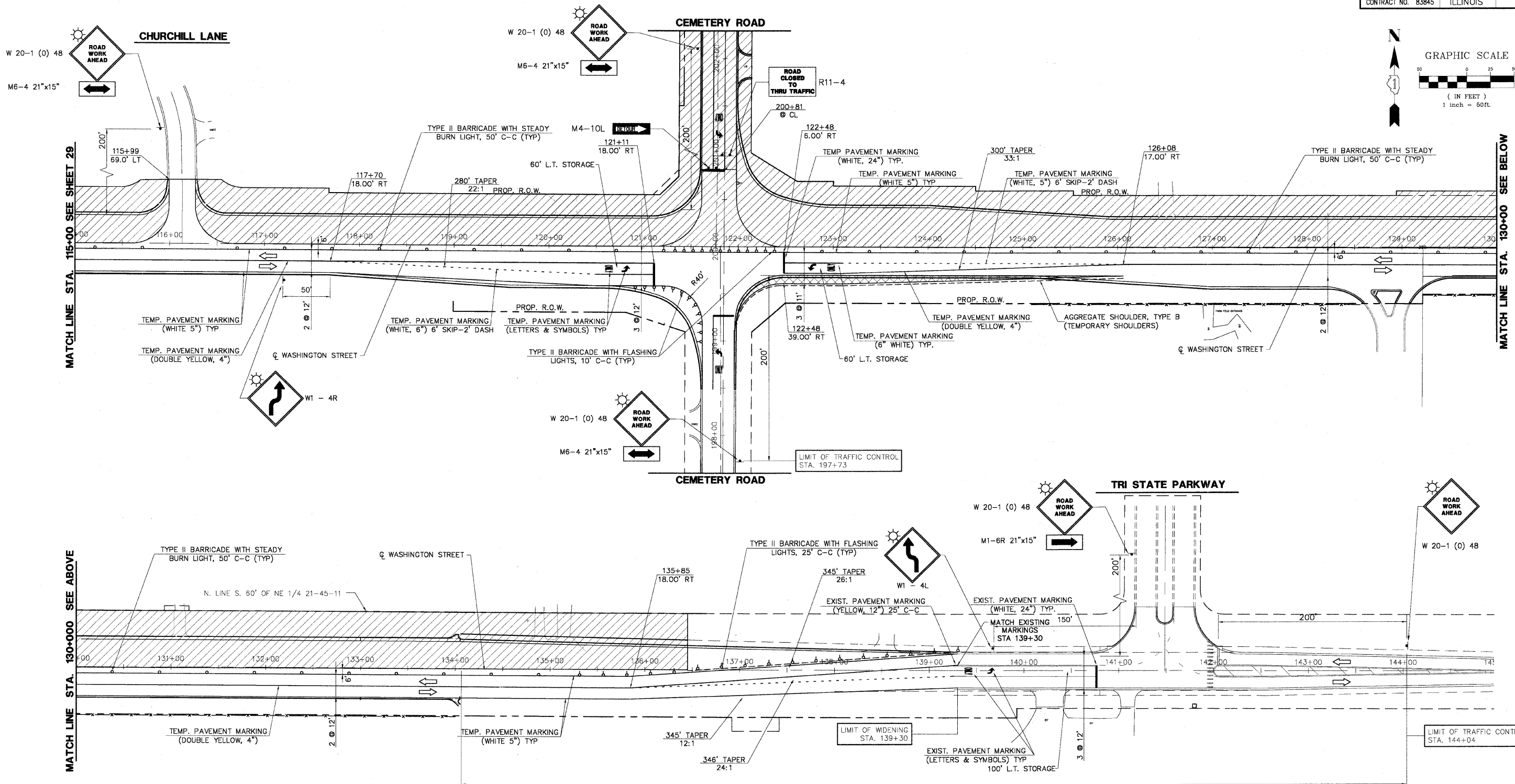
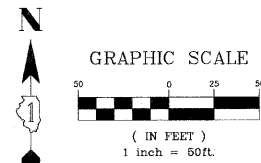
NOTE:
 TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS AND THE APPLICABLE PORTIONS OF LAKE COUNTY STANDARDS LC7003 AND LC7004.
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 ALL TEMPORARY PAVEMENT MARKINGS WHICH ARE INSTALLED OUTSIDE THE LIMITS OF CONSTRUCTION, SHALL BE TYPE III TAPE.
 CEMETERY ROAD NORTH OF WASHINGTON STREET SHALL BE CLOSED DURING STAGE II AND STAGE III OF THIS PLAN

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
 Consulting Engineers & Surveyors
 850 Forest Edge Drive
 Vernon Hills, IL 60061
 (847) 478-9700
 (847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED CONSTRUCTION STAGING & TRAFFIC CONTROL - STAGE III
 WASHINGTON STREET
 STA 85+00 TO 115+00
 SCALE: 1"=50'
 DATE: 11-02-04
 DRAWN BY: CGP
 DESIGNED BY: JRD
 CHECKED BY: BLS

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	30
WASHINGTON STREET - STAGE III				
CONTRACT NO. 83845		ILLINOIS		



THE CONTRACTOR SHALL COORDINATE ALL TRAFFIC CONTROL WITH LAKE COUNTY DIVISION OF TRANSPORTATION CONTRACT NO. 83845. THIS COORDINATION WILL BE NECESSARY ONLY IF CONTRACT NO. _____ HAS BEEN INITIATED. NO ADDITIONAL COMPENSATION FOR THIS IMPORTANT COORDINATION.

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ALL TEMPORARY PAVEMENT MARKINGS WHICH ARE INSTALLED OUTSIDE THE LIMITS OF CONSTRUCTION, SHALL BE TYPE III TAPE.

CEMETERY ROAD NORTH OF WASHINGTON STREET SHALL BE CLOSED DURING STAGE II AND STAGE III OF THIS PLAN

LEGEND

	TEMPORARY PAVEMENT		TYPE II BARRICADES WITH STEADY BURN LIGHT (SHRP BARRICADES USED FOR LANE TAPERS)
	WORK AREA		TYPE II BARRICADES WITH FLASHING LIGHT
	SIGN		TYPE III BARRICADE
	ARROW BOARD		
	VERTICAL BOARD		

PLANS PREPARED BY:
GEWALT HAMILTON
 ASSOCIATES, INC.
 Consulting Engineers & Surveyors
 859 Forest Edge Drive
 Vernon Hills, IL 60061
 (847) 478-9700
 (847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-3 LCDOT COMMENTS	11-20-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

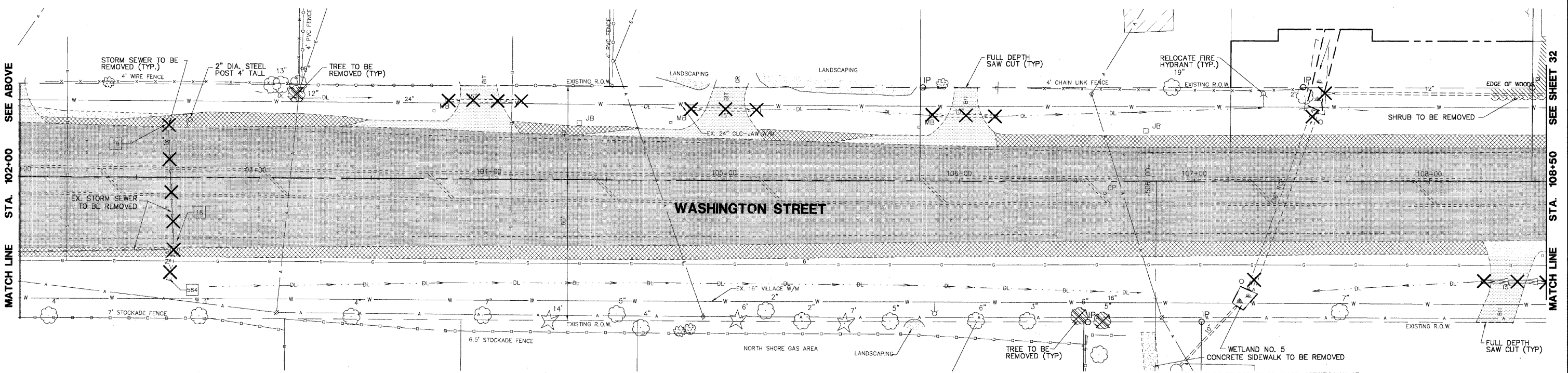
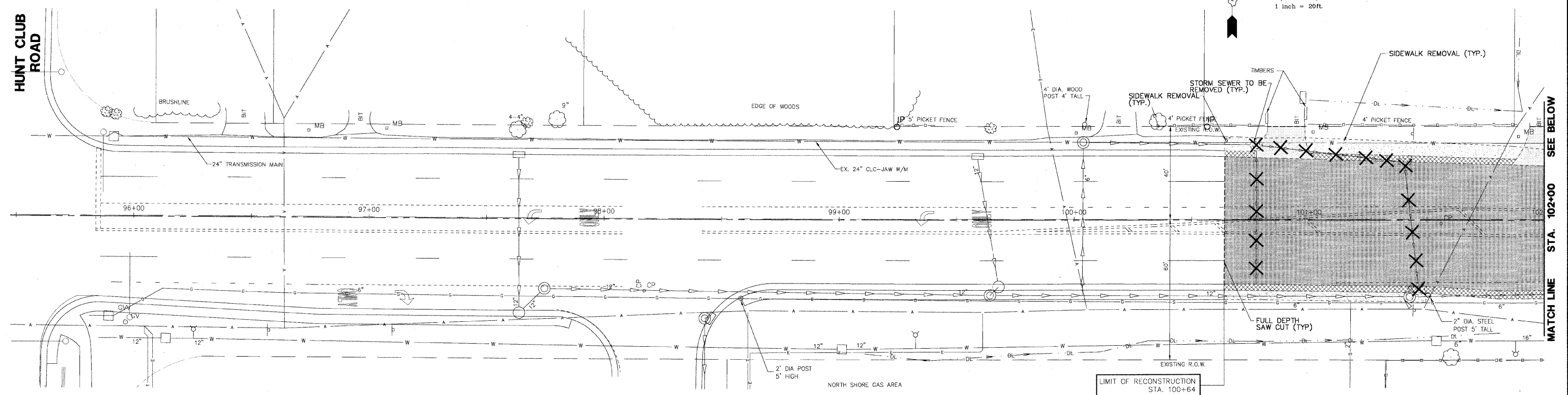
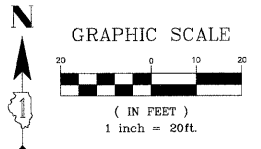
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED CONSTRUCTION STAGING & TRAFFIC CONTROL - STAGE III
 WASHINGTON STREET
 STA 115+00 TO 143+00
 SCALE: 1"=50'
 DATE: 11-02-04
 DRAWN BY: CGP
 DESIGNED BY: JRD
 CHECKED BY: BLS

MATCH LINE STA. 115+00 SEE SHEET 29

MATCH LINE STA. 130+00 SEE ABOVE

MATCH LINE STA. 130+00 SEE BELOW

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	31
DEMOLITION PLAN STA 95+50 TO 108+50				
CONTRACT NO. 83845		ILLINOIS		



DEMOLITION CONDITIONS LEGEND

FULL DEPTH BITUMINOUS PAVEMENT REMOVAL	
BITUMINOUS SURFACE REMOVAL, 2 1/2"	
FULL DEPTH BITUMINOUS DRIVEWAY REMOVAL	
B-6.12 CURB AND GUTTER REMOVAL	
AGGREGATE REMOVAL	
TREE TO BE REMOVED	
STORM SEWER TO BE REMOVED	

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
 Consulting Engineers & Surveyors
 850 Forest Edge Drive
 Vernon Hills, IL 60061
 (847) 478-9700
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-3 LCDOT COMMENTS	11-20-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

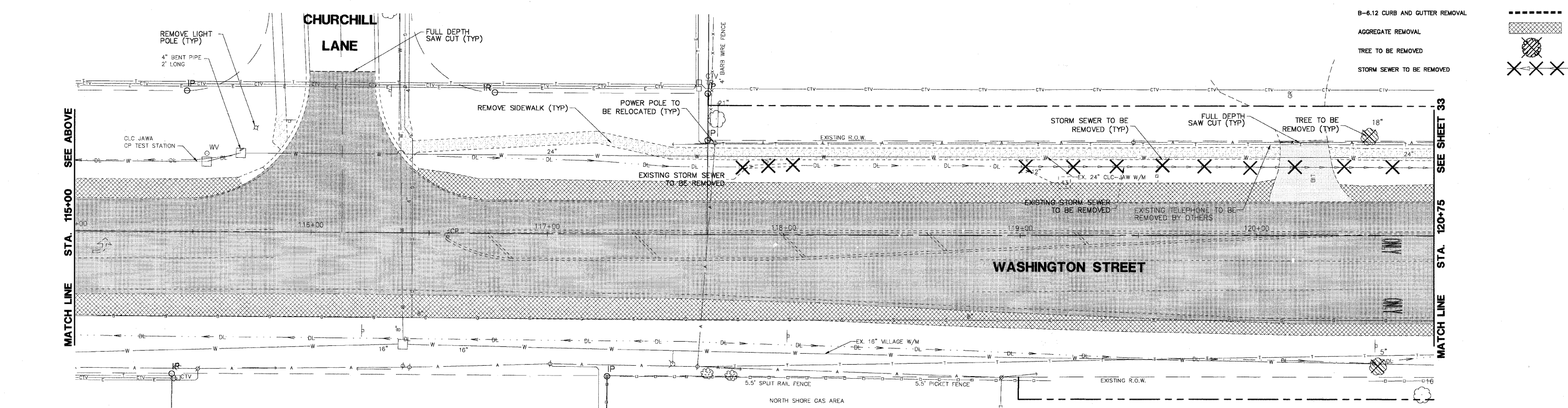
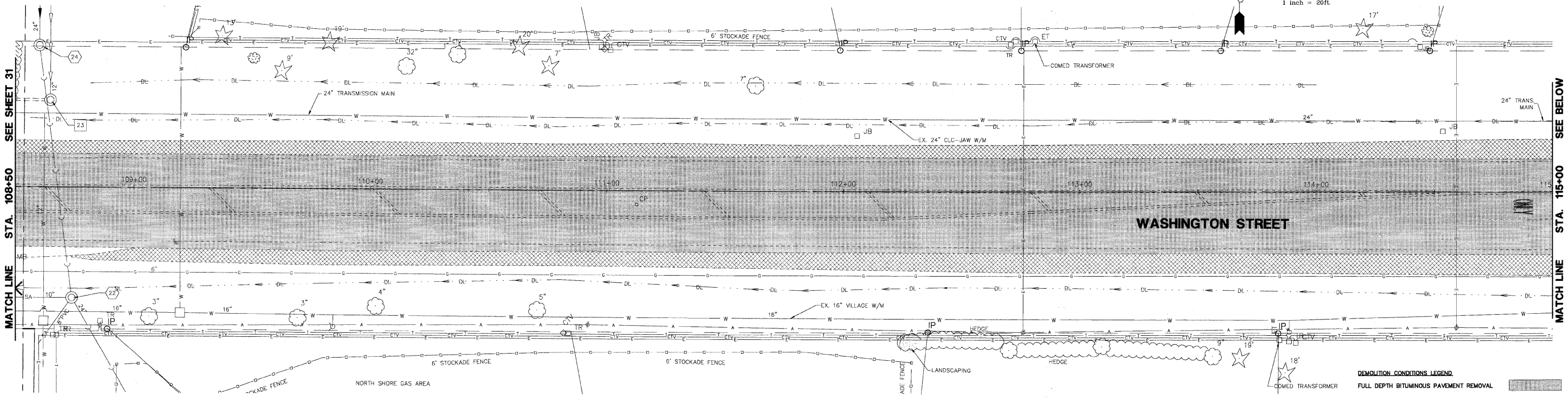
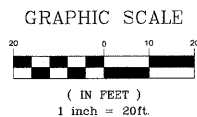
ILLINOIS DEPARTMENT OF TRANSPORTATION
DEMOLITION PLAN
STA 95+50 TO 108+50
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET
 SCALE: H: 1"=20' V: 1"=5'
 DATE: 10-05-04
 DRAWN BY: CGP
 DESIGNED BY: TPG
 CHECKED BY: BLS

MATCH LINE STA. 102+00 SEE ABOVE

MATCH LINE STA. 102+00 SEE BELOW

MATCH LINE STA. 108+50 SEE SHEET 32

F.A.I.D. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	32
DEMOLITION PLAN STA 108+50 TO 120+75				
CONTRACT NO. 83845		ILLINOIS		



DEMOLITION CONDITIONS LEGEND

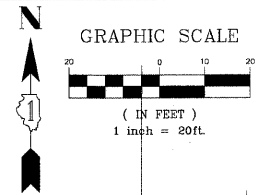
FULL DEPTH BITUMINOUS PAVEMENT REMOVAL	
BITUMINOUS SURFACE REMOVAL 2 1/2\"/>	
FULL DEPTH BITUMINOUS DRIVEWAY REMOVAL	
B-6.12 CURB AND GUTTER REMOVAL	
AGGREGATE REMOVAL	
TREE TO BE REMOVED	
STORM SEWER TO BE REMOVED	

PLANS PREPARED BY:
GEWALT HAMILTON
 ASSOCIATES, INC.
 Consulting Engineers & Surveyors
 850 Forest Edge Drive
 Vernon Hills, IL 60061
 (847) 478-9700
 (847) 478-9701 Fax

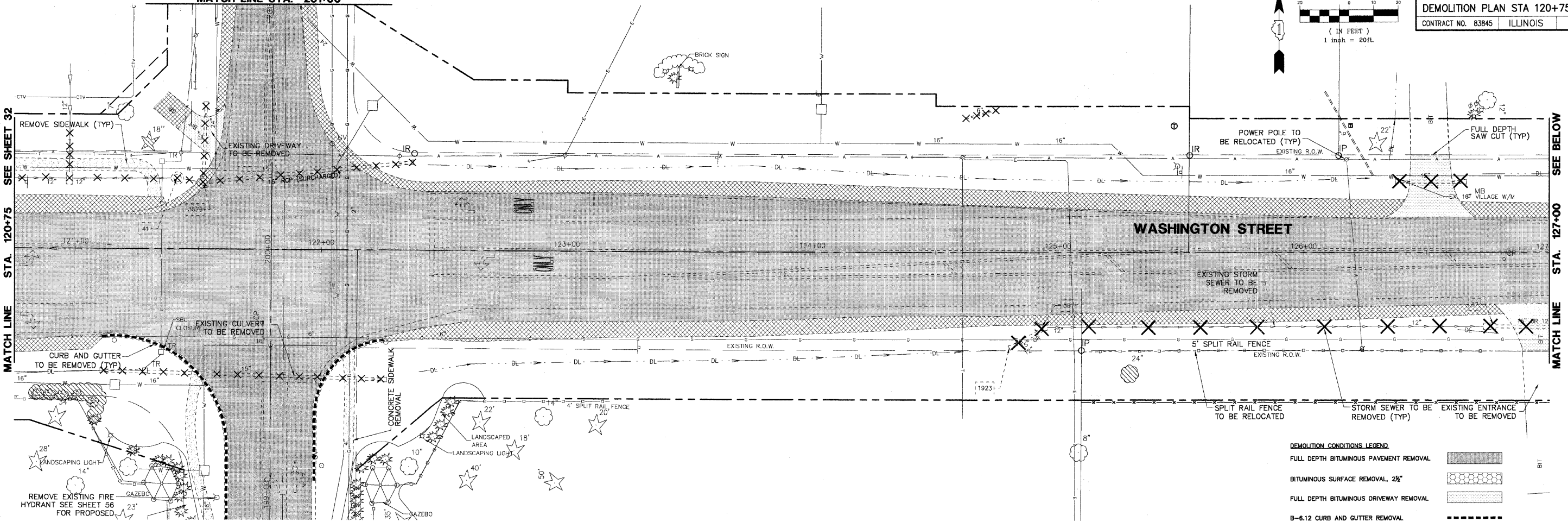
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-3 LCDOT COMMENTS	11-20-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DEMOLITION PLAN
STA 108+50 TO 120+75
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET
 SCALE: H: 1"=20' V: 1"=5'
 DATE: 10-05-04
 DRAWN BY: CGP
 DESIGNED BY: TPG
 CHECKED BY: BLS

CEMETERY ROAD
MATCH LINE STA. 201+00

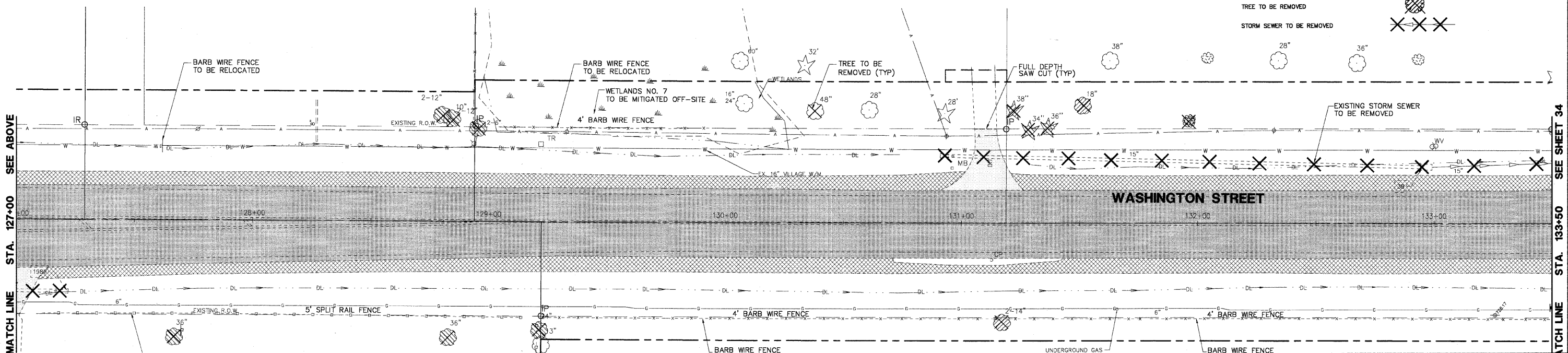


F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	33
DEMOLITION PLAN STA 120+75 TO 133+50		CONTRACT NO. 83845 ILLINOIS		



DEMOLITION CONDITIONS LEGEND

FULL DEPTH BITUMINOUS PAVEMENT REMOVAL	
BITUMINOUS SURFACE REMOVAL 2 1/2"	
FULL DEPTH BITUMINOUS DRIVEWAY REMOVAL	
8-6.12 CURB AND GUTTER REMOVAL	
AGGREGATE REMOVAL	
TREE TO BE REMOVED	
STORM SEWER TO BE REMOVED	



PLANS PREPARED BY:
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Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 476-9700
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-08
REV.-2 PLANS STAGED	06-02-08
REV.-3 LCDOT COMMENTS	11-20-08
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DEMOLITION PLAN
STA 120+75 TO 133+50
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET
SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

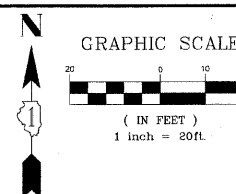
SEE SHEET 32
STA. 120+75
MATCH LINE

SEE BELOW
STA. 127+00
MATCH LINE

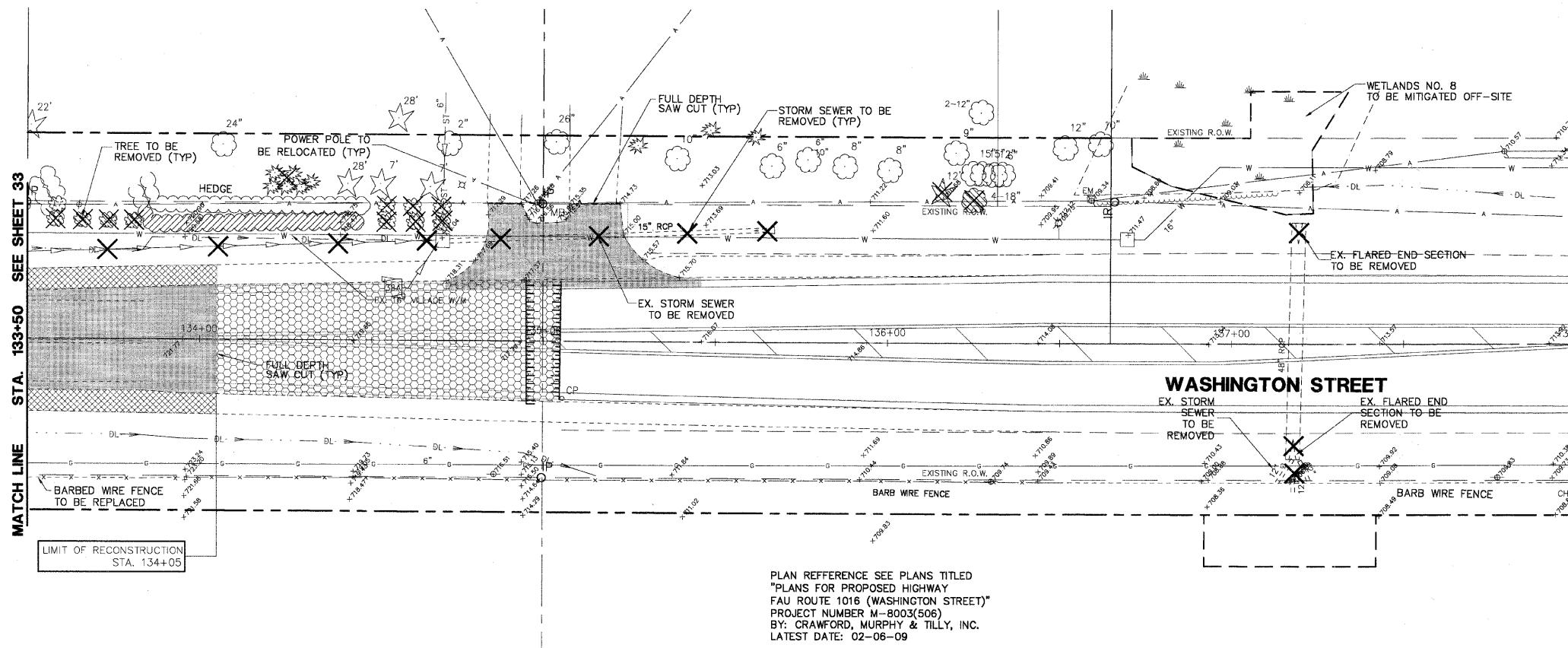
SEE ABOVE
STA. 127+00
MATCH LINE

SEE SHEET 34
STA. 133+50
MATCH LINE

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	34
CONTRACT NO. 83845		ILLINOIS		



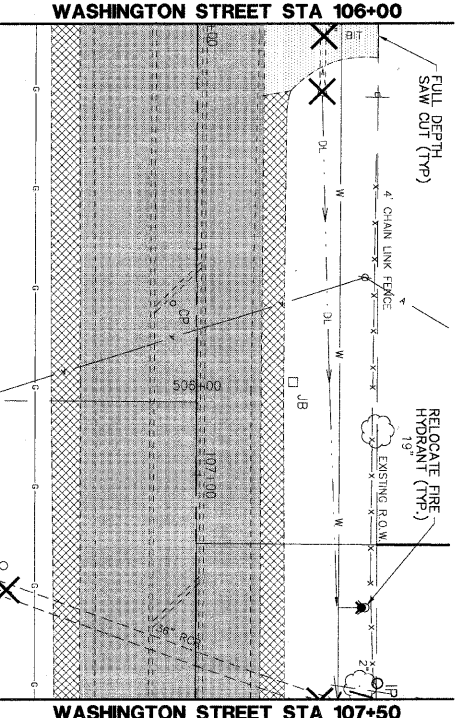
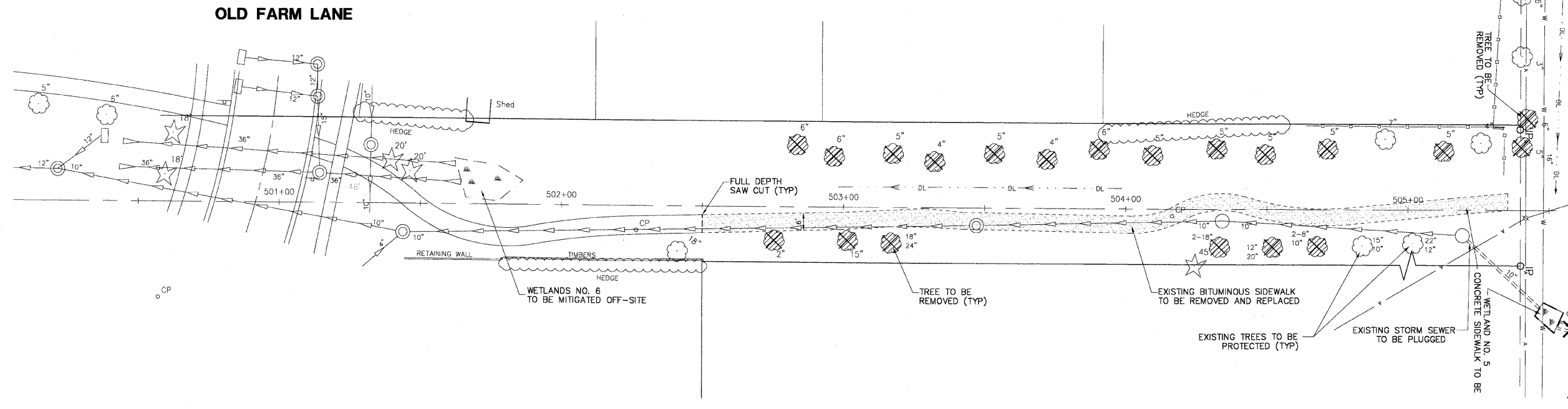
CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS AT STATIONS 107+50 AND 137+20. RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE.



DEMOLITION CONDITIONS LEGEND

FULL DEPTH BITUMINOUS PAVEMENT REMOVAL	
BITUMINOUS SURFACE REMOVAL, 2 1/2"	
FULL DEPTH BITUMINOUS DRIVEWAY REMOVAL	
B-6.12 CURB AND GUTTER REMOVAL	
AGGREGATE REMOVAL	
TREE TO BE REMOVED	
STORM SEWER TO BE REMOVED	

PLAN REFERENCE SEE PLANS TITLED "PLANS FOR PROPOSED HIGHWAY FAU ROUTE 1016 (WASHINGTON STREET) PROJECT NUMBER M-8003(506) BY: CRAWFORD, MURPHY & TILLY, INC. LATEST DATE: 02-06-09



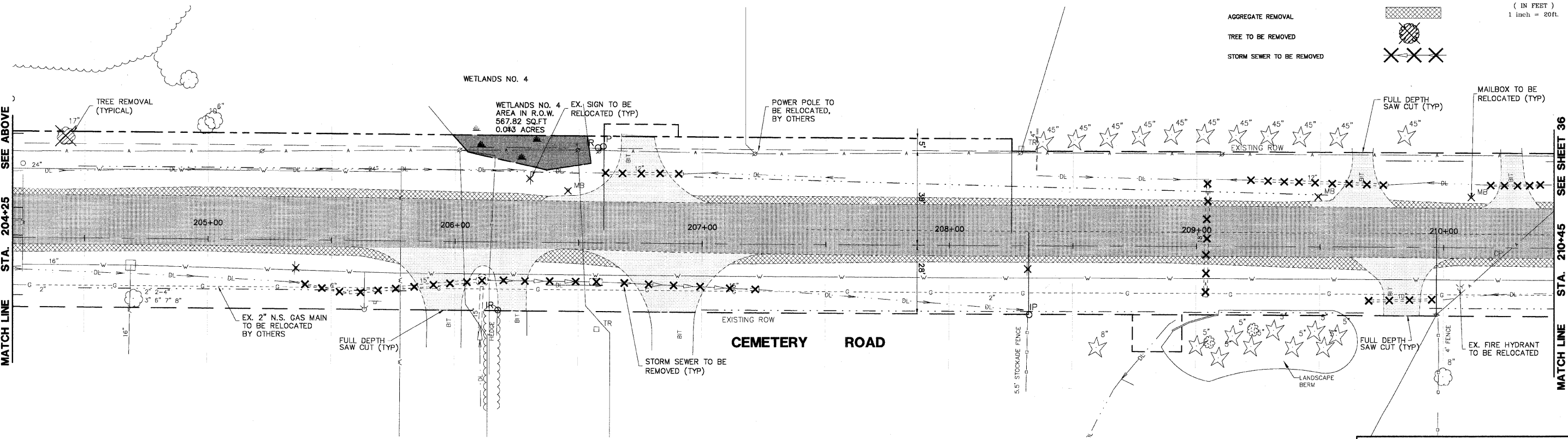
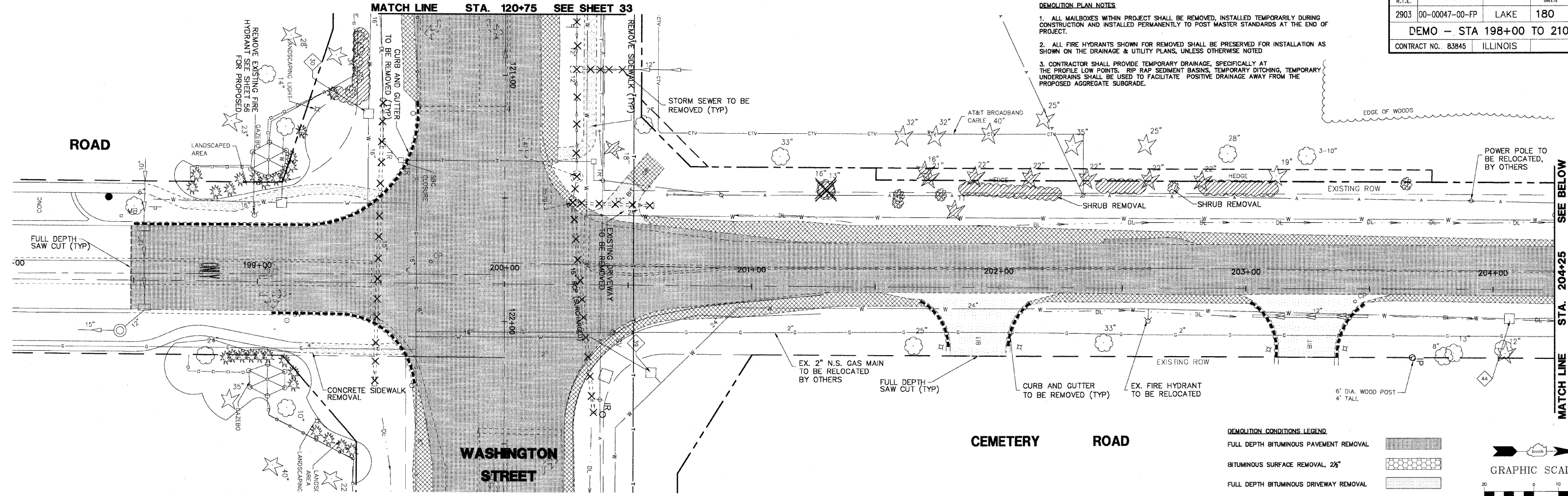
PLANS PREPARED BY:
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Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-3 LCDOT COMMENTS	11-20-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

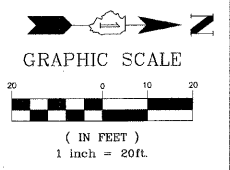
ILLINOIS DEPARTMENT OF TRANSPORTATION
DEMOLITION PLAN
STA 133+50 TO END + OUTLOT
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET
SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	35
DEMO - STA 198+00 TO 210+45				
CONTRACT NO. 83845		ILLINOIS		

- DEMOLITION PLAN NOTES**
1. ALL MAILBOXES WITHIN PROJECT SHALL BE REMOVED, INSTALLED TEMPORARILY DURING CONSTRUCTION AND INSTALLED PERMANENTLY TO POST MASTER STANDARDS AT THE END OF PROJECT.
 2. ALL FIRE HYDRANTS SHOWN FOR REMOVED SHALL BE PRESERVED FOR INSTALLATION AS SHOWN ON THE DRAINAGE & UTILITY PLANS, UNLESS OTHERWISE NOTED.
 3. CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS. RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE.



- DEMOLITION CONDITIONS LEGEND**
- FULL DEPTH BITUMINOUS PAVEMENT REMOVAL
 - BITUMINOUS SURFACE REMOVAL, 2 1/2"
 - FULL DEPTH BITUMINOUS DRIVEWAY REMOVAL
 - B-6.12 CURB AND GUTTER REMOVAL
 - AGGREGATE REMOVAL
 - TREE TO BE REMOVED
 - STORM SEWER TO BE REMOVED



PLANS PREPARED BY:
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-3 LCDOT COMMENTS	11-20-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

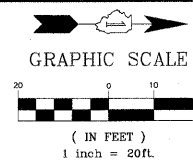
ILLINOIS DEPARTMENT OF TRANSPORTATION
DEMOLITION PLAN
STA 198+00 TO 210+45
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

SCALE: 1" = 20'
 DATE: 7-27-05

DRAWN BY: CAD
 DESIGNED BY: TPG
 CHECKED BY: BLS

DEMOLITION PLAN NOTES

1. ALL MAILBOXES WITHIN PROJECT SHALL BE REMOVED, INSTALLED TEMPORARILY DURING CONSTRUCTION AND INSTALLED PERMANENTLY TO POST MASTER STANDARDS AT THE END OF PROJECT.
2. ALL FIRE HYDRANTS SHOWN FOR REMOVED SHALL BE PRESERVED FOR INSTALLATION AS SHOWN ON THE DRAINAGE & UTILITY PLANS, UNLESS OTHERWISE NOTED
3. CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS, RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE.



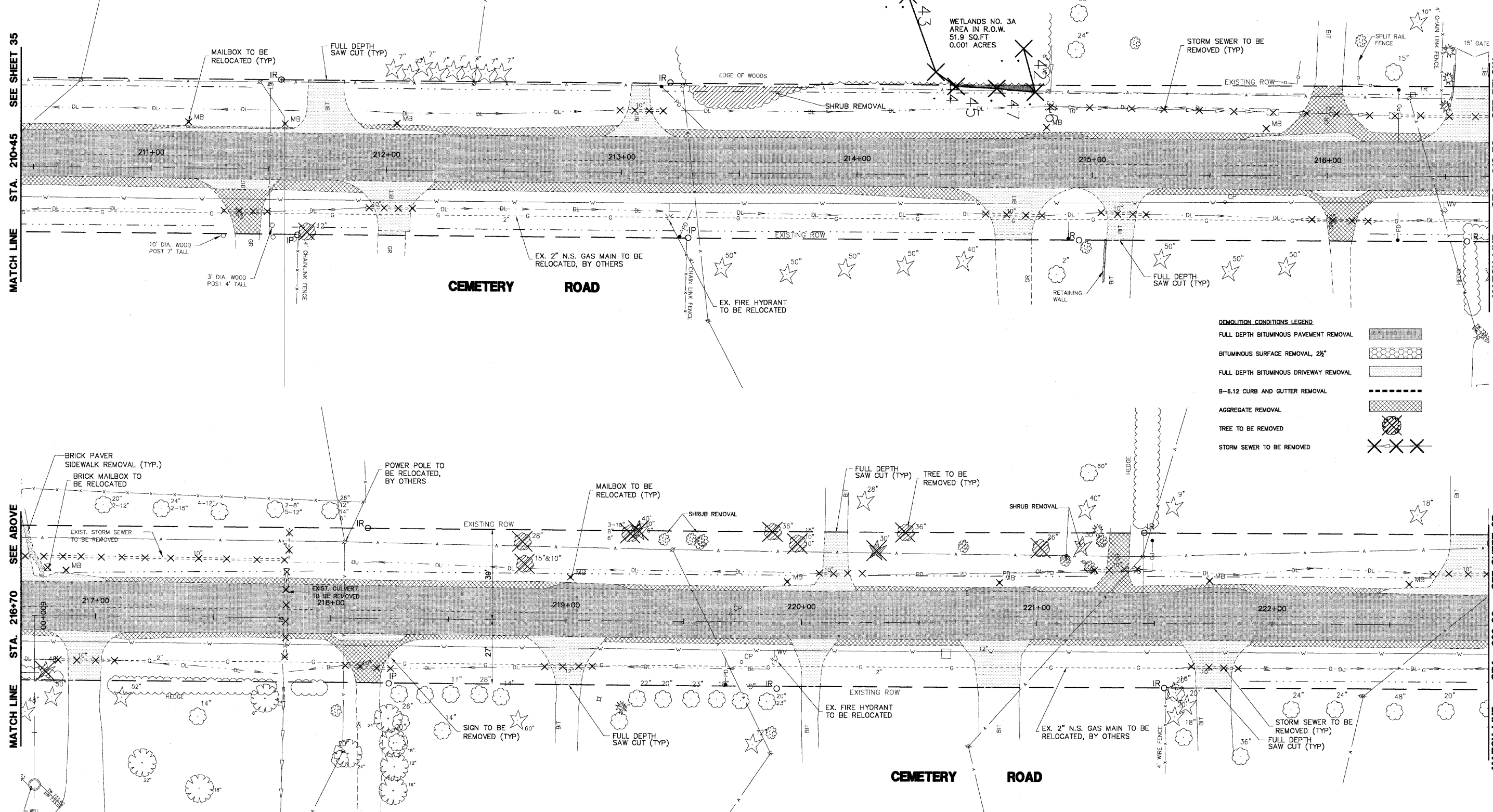
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	36
DEMO -- STA 210+45 TO 222+92				
CONTRACT NO. 83845		ILLINOIS		

MATCH LINE STA. 210+45 SEE SHEET 35

MATCH LINE STA. 216+70 SEE BELOW

MATCH LINE STA. 216+70 SEE ABOVE

MATCH LINE STA. 222+92 SEE SHEET 37



DEMOLITION CONDITIONS LEGEND

FULL DEPTH BITUMINOUS PAVEMENT REMOVAL	
BITUMINOUS SURFACE REMOVAL, 2\"/>	

PLANS PREPARED BY:
GEWALT HAMILTON
 ASSOCIATES, INC.
 Consulting Engineers & Surveyors
 850 Forest Edge Drive
 Vernon Hills, IL 60061
 (847) 478-9700
 (847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-3 LCDOT COMMENTS	11-20-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DEMO PLAN
STA 210+45 TO 222+92
 PROPOSED ROADWAY WIDENING
 AND INTERSECTION IMPROVEMENTS
 CEMETERY ROAD

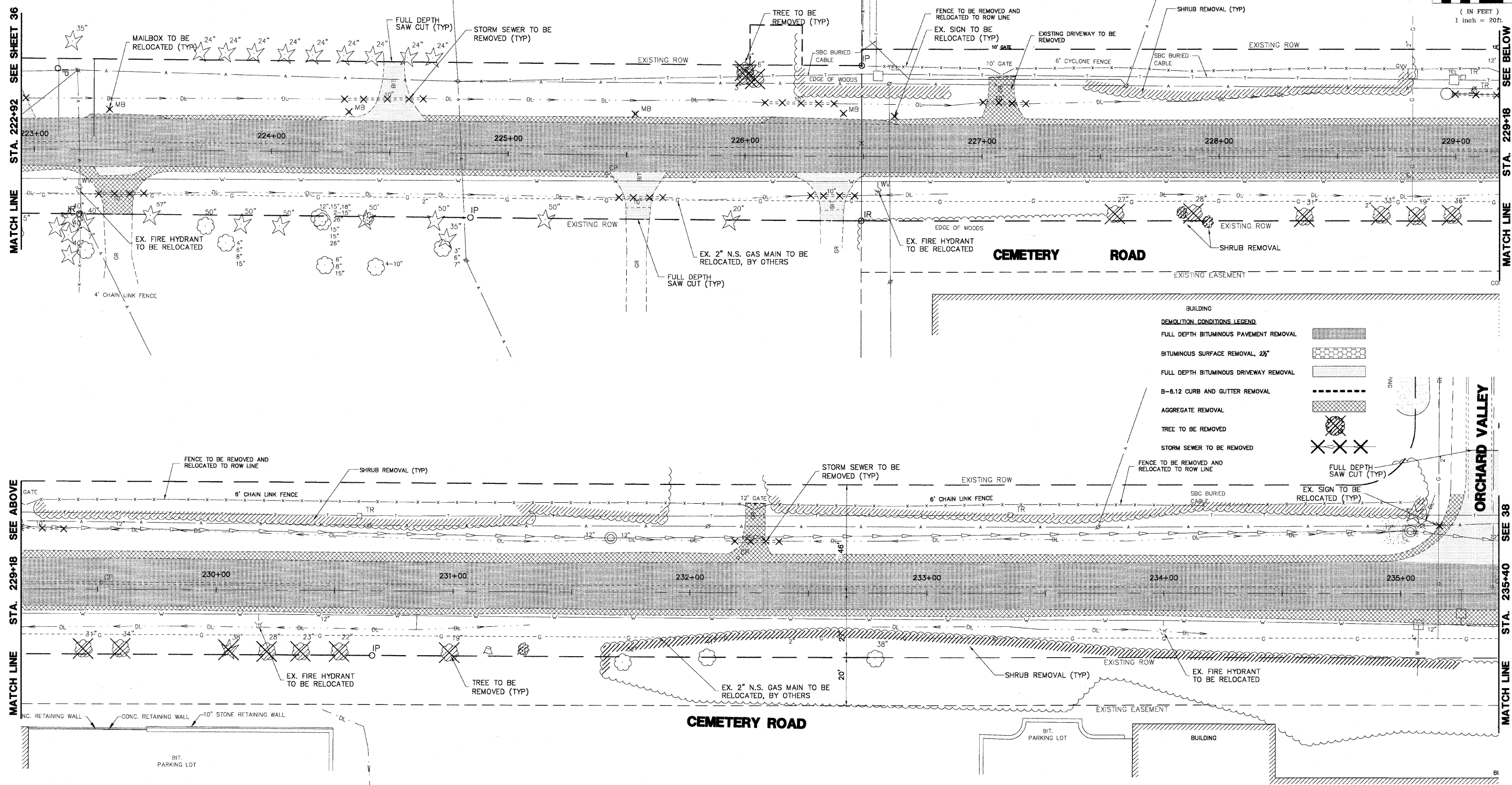
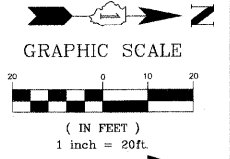
SCALE: 1" = 20'
 DATE: 7-27-05

DRAWN BY: CAD
 DESIGNED BY: TPG
 CHECKED BY: BLS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-0047-00-FP	LAKE	180	37
DEMO - STA 222+92 TO 235+40				
CONTRACT NO. 83845		ILLINOIS		

DEMOLITION PLAN NOTES

1. ALL MAILBOXES WITHIN PROJECT SHALL BE REMOVED, INSTALLED TEMPORARILY DURING CONSTRUCTION AND INSTALLED PERMANENTLY TO POST MASTER STANDARDS AT THE END OF PROJECT.
2. ALL FIRE HYDRANTS SHOWN FOR REMOVED SHALL BE PRESERVED FOR INSTALLATION AS SHOWN ON THE DRAINAGE & UTILITY PLANS, UNLESS OTHERWISE NOTED
3. CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS. RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE.



DEMOLITION CONDITIONS LEGEND

FULL DEPTH BITUMINOUS PAVEMENT REMOVAL	[Pattern]
BITUMINOUS SURFACE REMOVAL 2 1/2"	[Pattern]
FULL DEPTH BITUMINOUS DRIVEWAY REMOVAL	[Pattern]
B-8.12 CURB AND GUTTER REMOVAL	[Pattern]
AGGREGATE REMOVAL	[Pattern]
TREE TO BE REMOVED	[Symbol]
STORM SEWER TO BE REMOVED	[Symbol]

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 Consulting Engineers & Surveyors
 850 Forest Edge Drive
 Vernon Hills, IL 60061
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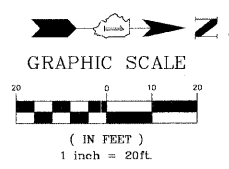
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-3 LCDOT COMMENTS	11-20-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DEMO PLAN
STA 222+92 TO 235+40
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

SCALE: 1" = 20'
 DATE: 07-27-05

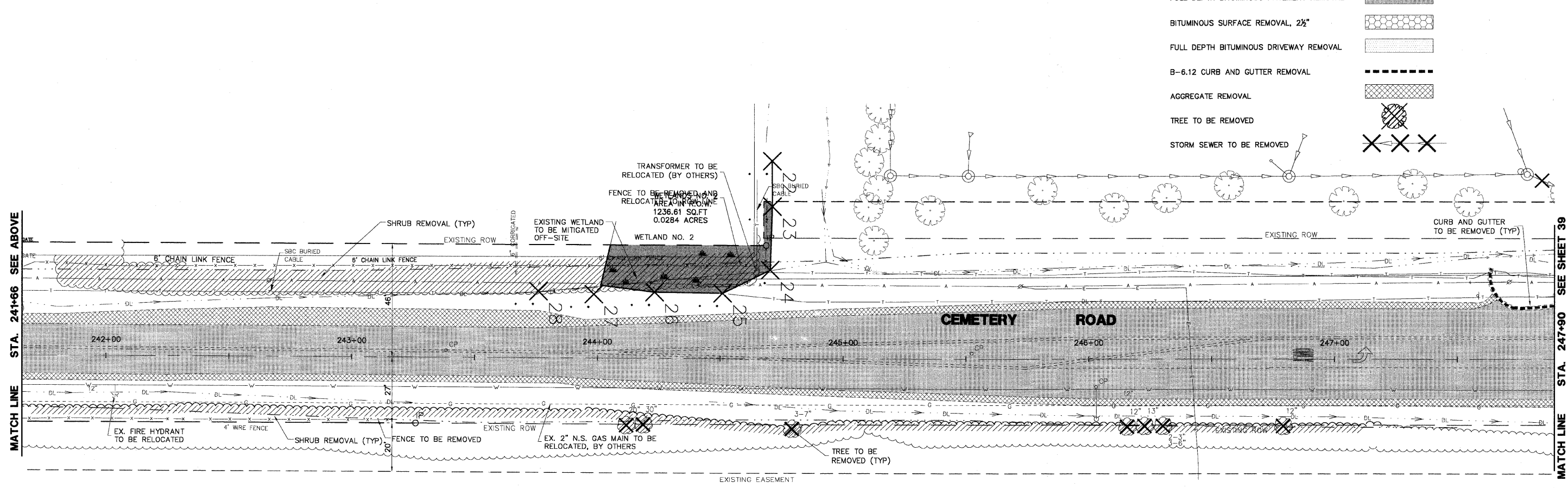
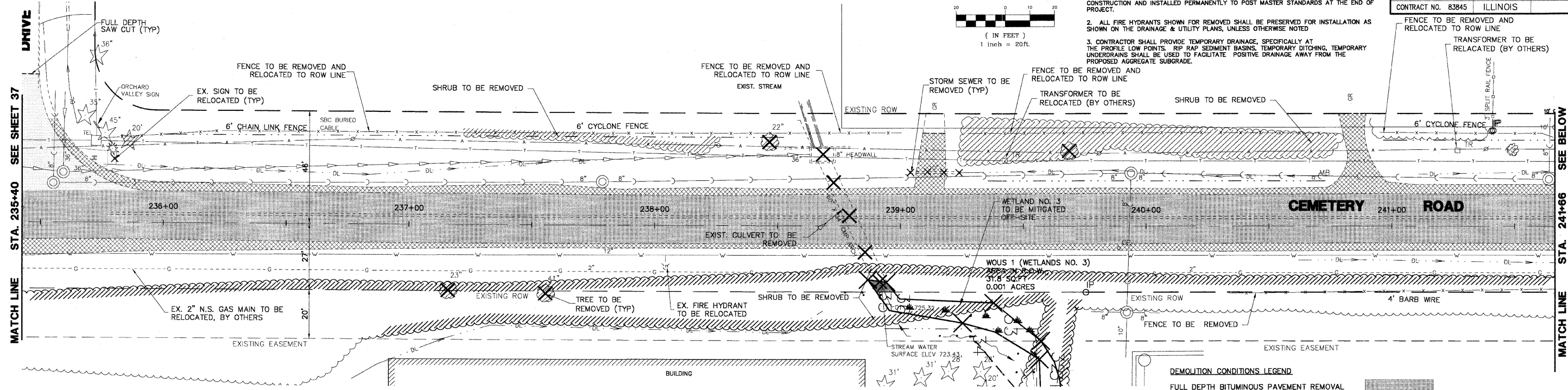
DRAWN BY: CAD
 DESIGNED BY: TPG
 CHECKED BY: BLS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	38
DEMO - STA 235+40 TO 247+90				
CONTRACT NO. 83845		ILLINOIS		



DEMOLITION PLAN NOTES

1. ALL MAILBOXES WITHIN PROJECT SHALL BE REMOVED, INSTALLED TEMPORARILY DURING CONSTRUCTION AND INSTALLED PERMANENTLY TO POST MASTER STANDARDS AT THE END OF PROJECT.
2. ALL FIRE HYDRANTS SHOWN FOR REMOVED SHALL BE PRESERVED FOR INSTALLATION AS SHOWN ON THE DRAINAGE & UTILITY PLANS, UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS. RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE.



DEMOLITION CONDITIONS LEGEND

FULL DEPTH BITUMINOUS PAVEMENT REMOVAL	
BITUMINOUS SURFACE REMOVAL, 2 1/2\"/>	
FULL DEPTH BITUMINOUS DRIVEWAY REMOVAL	
B-6.12 CURB AND GUTTER REMOVAL	
AGGREGATE REMOVAL	
TREE TO BE REMOVED	
STORM SEWER TO BE REMOVED	

PLANS PREPARED BY:
GEWALT HAMILTON
 ASSOCIATES, INC.
 Consulting Engineers & Surveyors
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 (847) 478-9700
 (847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-05-06
REV.-2 PLANS STAGED	06-02-06
REV.-3 LCDOT COMMENTS	11-20-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DEMO PLAN
STA 235+40 TO 247+90
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

SCALE: 1" = 20'
 DATE: 07-27-05








DRAWN BY: CAD
 DESIGNED BY: TPG
 CHECKED BY: BLS

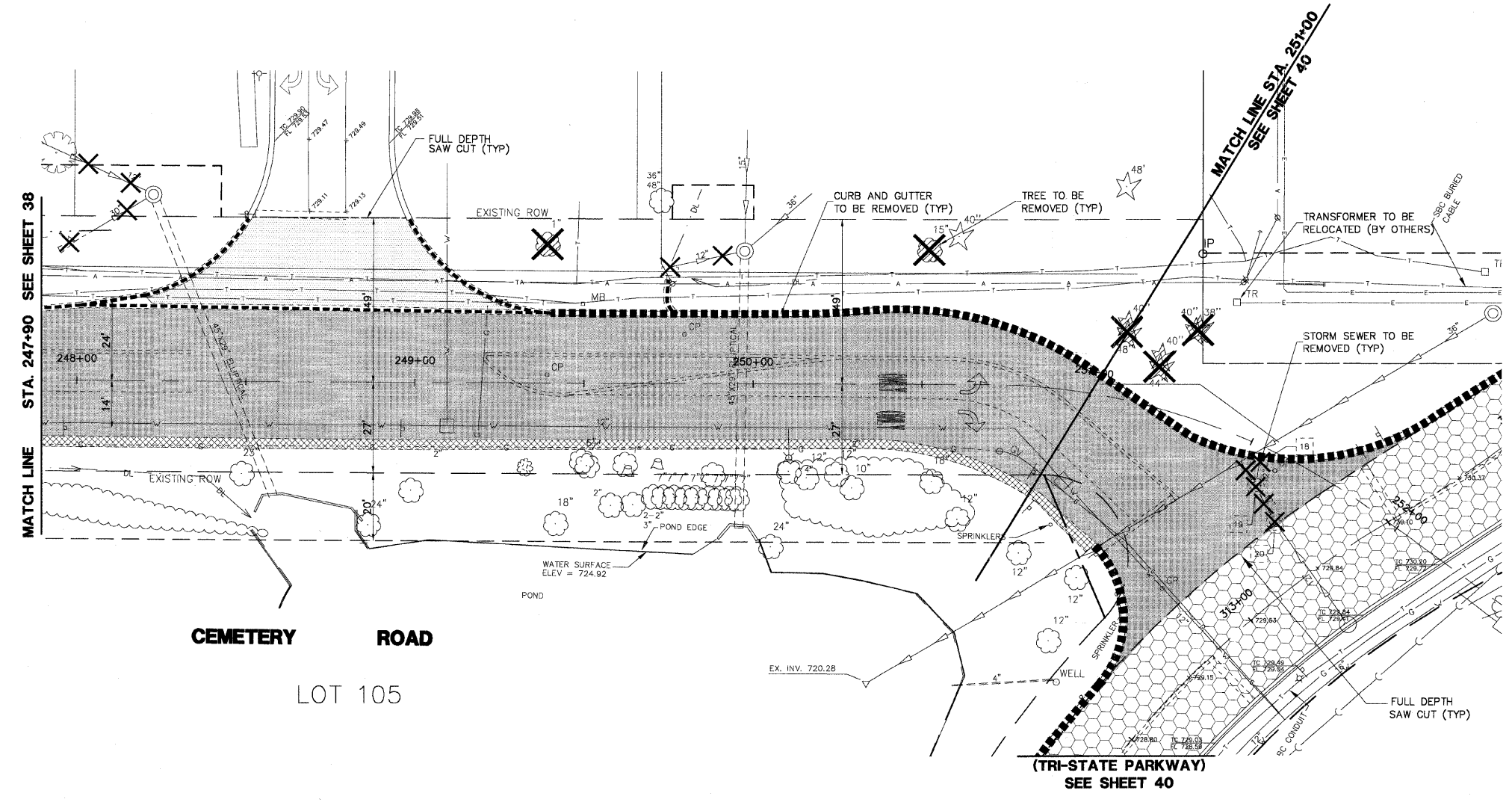
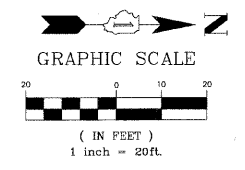
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	39
DEMO - STA 247+90 TO TRI-STATE				
CONTRACT NO. 83845		ILLINOIS		

DEMOLITION PLAN NOTES

1. ALL MAILBOXES WITHIN PROJECT SHALL BE REMOVED, INSTALLED TEMPORARILY DURING CONSTRUCTION AND INSTALLED PERMANENTLY TO POST MASTER STANDARDS AT THE END OF PROJECT.
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DEMOLITION CONDITIONS LEGEND

- FULL DEPTH BITUMINOUS PAVEMENT REMOVAL 
- BITUMINOUS SURFACE REMOVAL, 2 1/2" 
- FULL DEPTH BITUMINOUS DRIVEWAY REMOVAL 
- B-6.12 CURB AND GUTTER REMOVAL 
- AGGREGATE REMOVAL 
- TREE TO BE REMOVED 
- STORM SEWER TO BE REMOVED 



PLANS PREPARED BY:
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 ASSOCIATES, INC.
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 Vernon Hills, IL 60061
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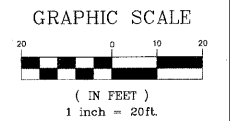
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-3 LCDOT COMMENTS	11-20-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DEMO PLAN
STA 247+90 TO TRI-STATE
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

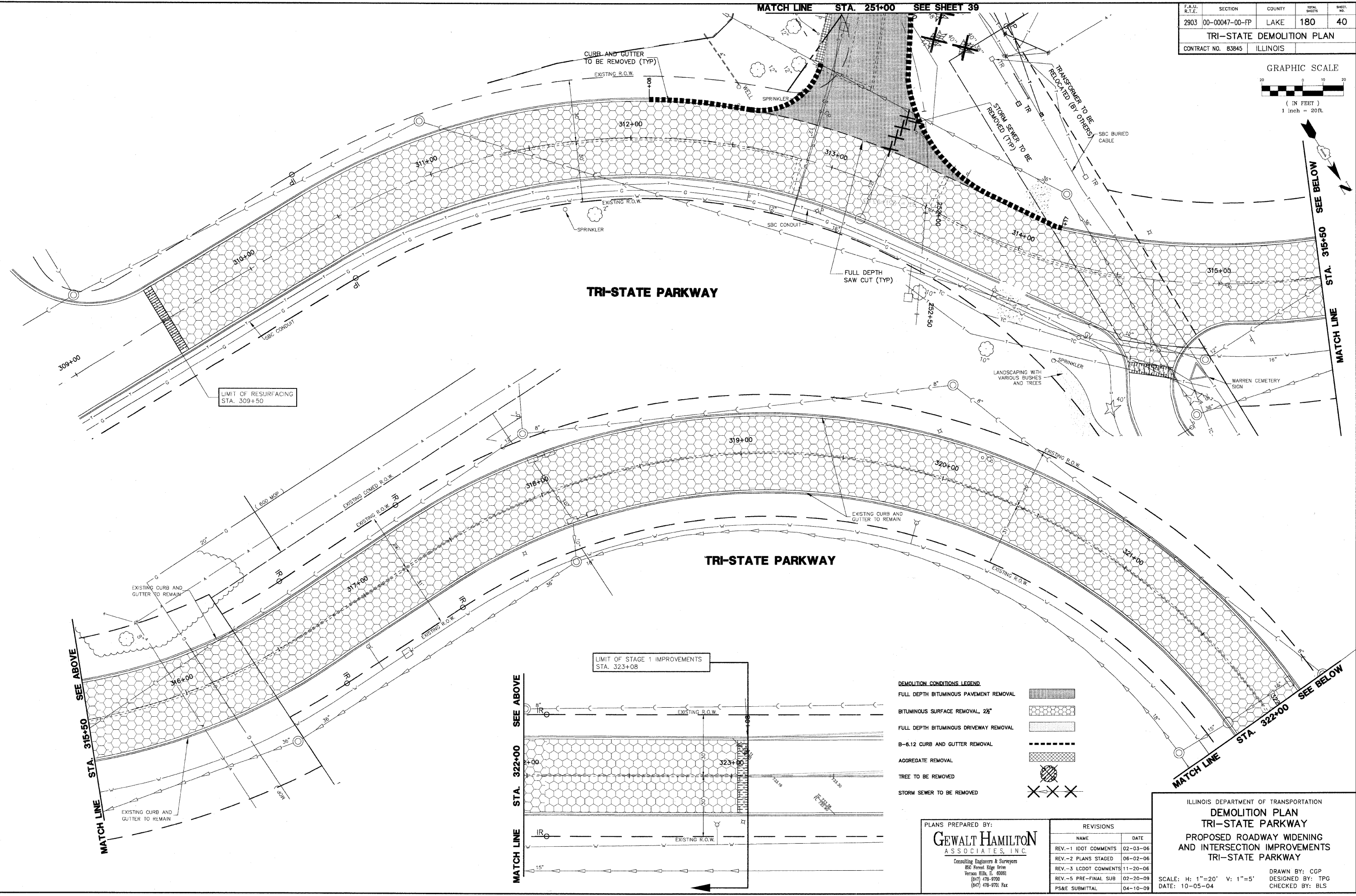
SCALE: 1" = 20'
 DATE: 07-27-05

DRAWN BY: CAD
 DESIGNED BY: TPG
 CHECKED BY: BLS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	40
TRI-STATE DEMOLITION PLAN				
CONTRACT NO. 83845		ILLINOIS		



MATCH LINE STA. 251+00 SEE SHEET 39



TRI-STATE PARKWAY

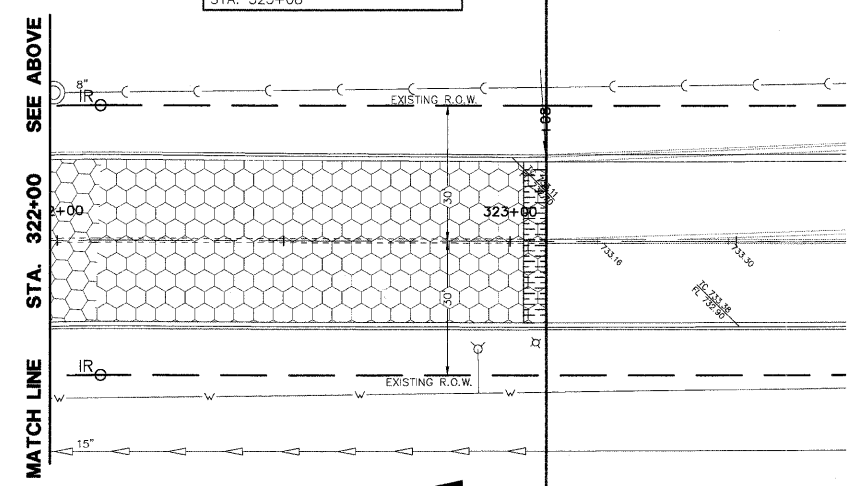
TRI-STATE PARKWAY

LIMIT OF RESURFACING
STA. 309+50

LIMIT OF STAGE 1 IMPROVEMENTS
STA. 323+08

DEMOLITION CONDITIONS LEGEND

FULL DEPTH BITUMINOUS PAVEMENT REMOVAL	
BITUMINOUS SURFACE REMOVAL, 2 1/2"	
FULL DEPTH BITUMINOUS DRIVEWAY REMOVAL	
B-6.12 CURB AND GUTTER REMOVAL	
AGGREGATE REMOVAL	
TREE TO BE REMOVED	
STORM SEWER TO BE REMOVED	



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ASSOCIATES, INC.
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Vernon Hills, IL 60061
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-3 LCDOT COMMENTS	11-20-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DEMOLITION PLAN
TRI-STATE PARKWAY
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
TRI-STATE PARKWAY

SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

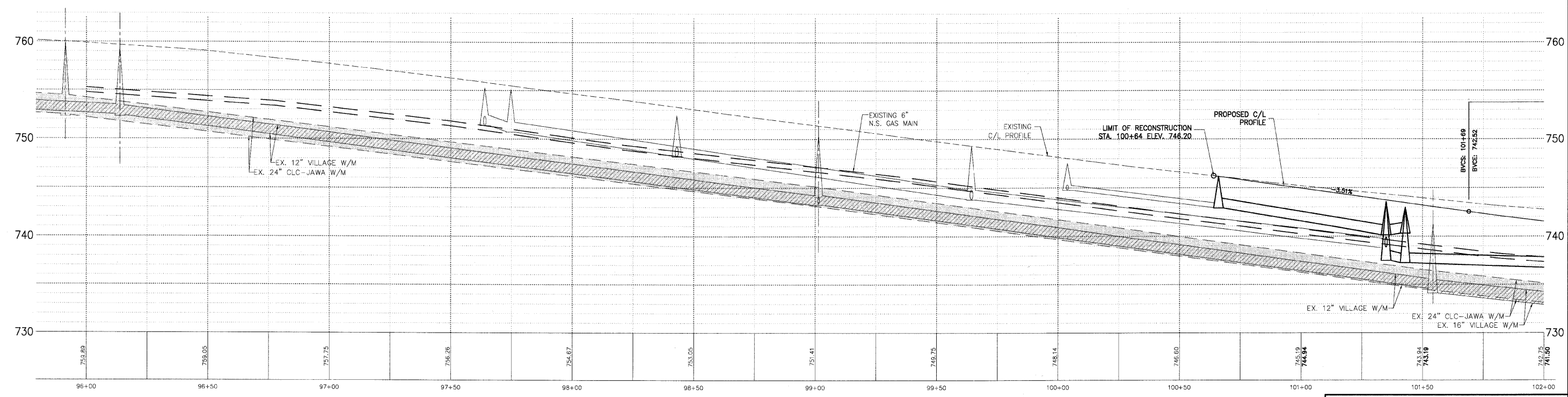
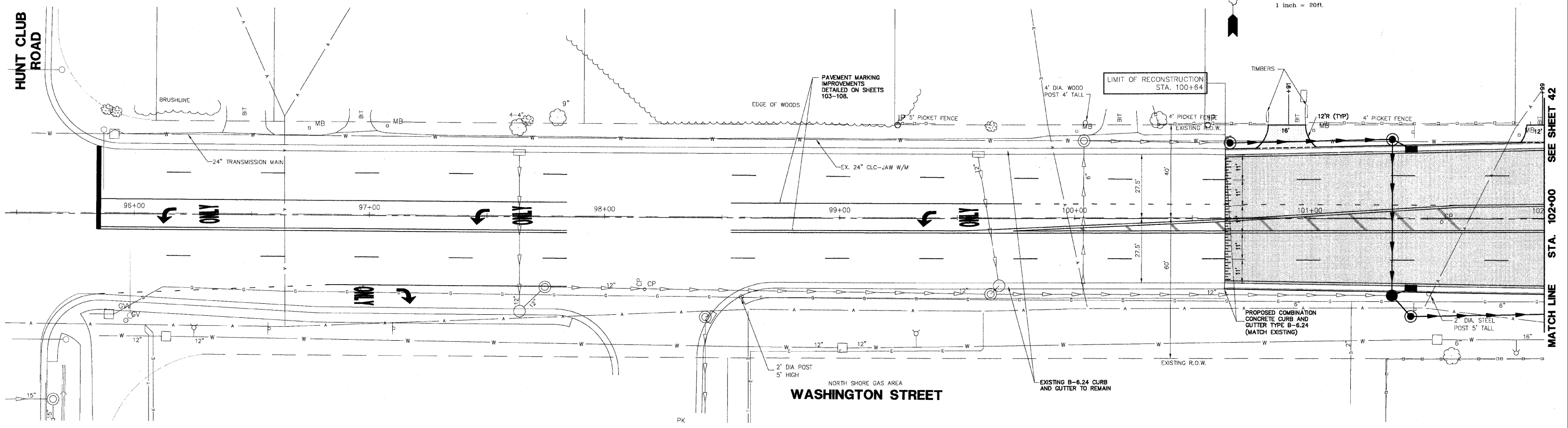
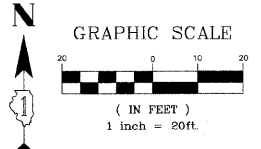
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DESIGNED BY: TPG
CHECKED BY: BLS

MATCH LINE STA. 315+50 SEE ABOVE

MATCH LINE STA. 322+00 SEE BELOW

MATCH LINE STA. 315+50 SEE BELOW

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	41
PLAN & PROFILE STA 95+50 TO 102+00		CONTRACT NO. 83845 ILLINOIS		



PLAN & PROFILE LEGEND
WASHINGTON STREET

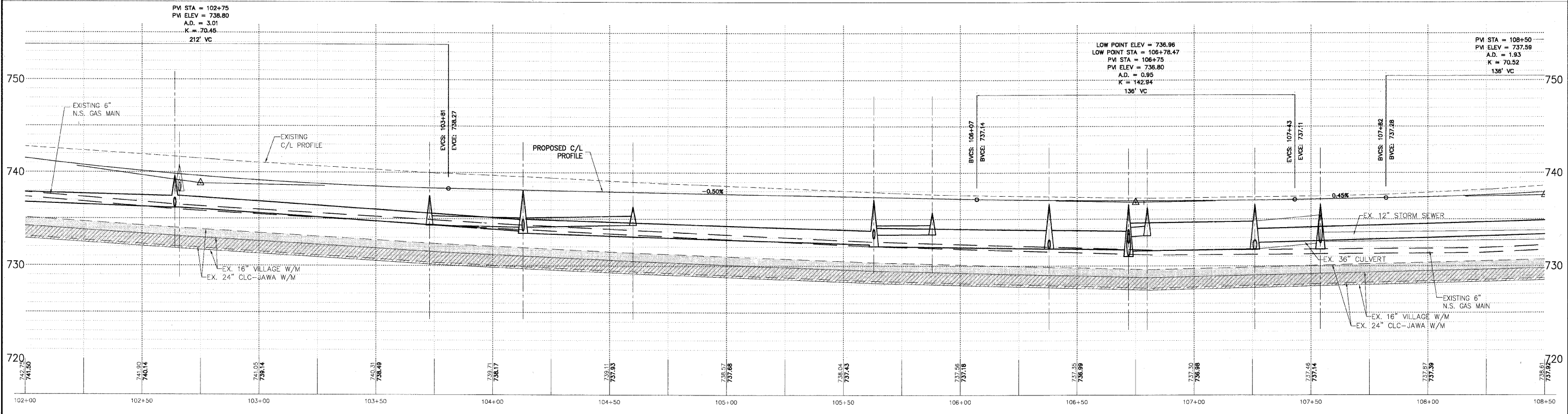
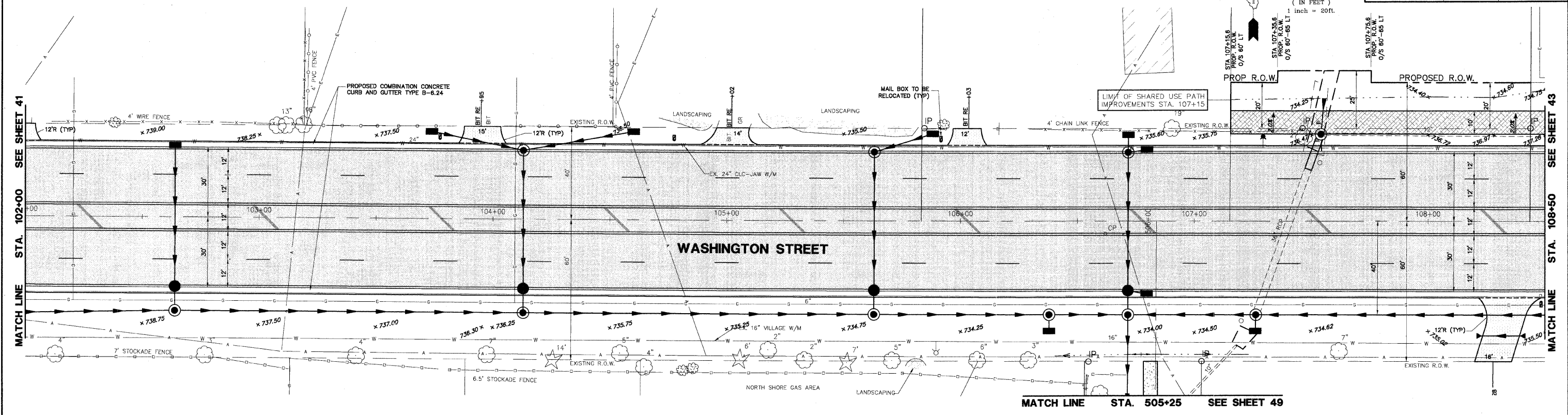
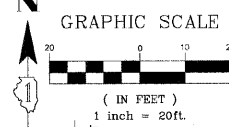
	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12\"/>		
	PROPOSED SHARED USE PATH		TYPE B-6.24 COMB. CONC. CURB AND GUTTER (B-6.12 CEMETERY ROAD)
	PROPOSED MINOR ACCESS DRIVEWAY		

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9700 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
STA 95+50 TO 102+00
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET
SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	42
PLAN & PROFILE STA 102+00 TO 108+50				
CONTRACT NO. B3845		ILLINOIS		



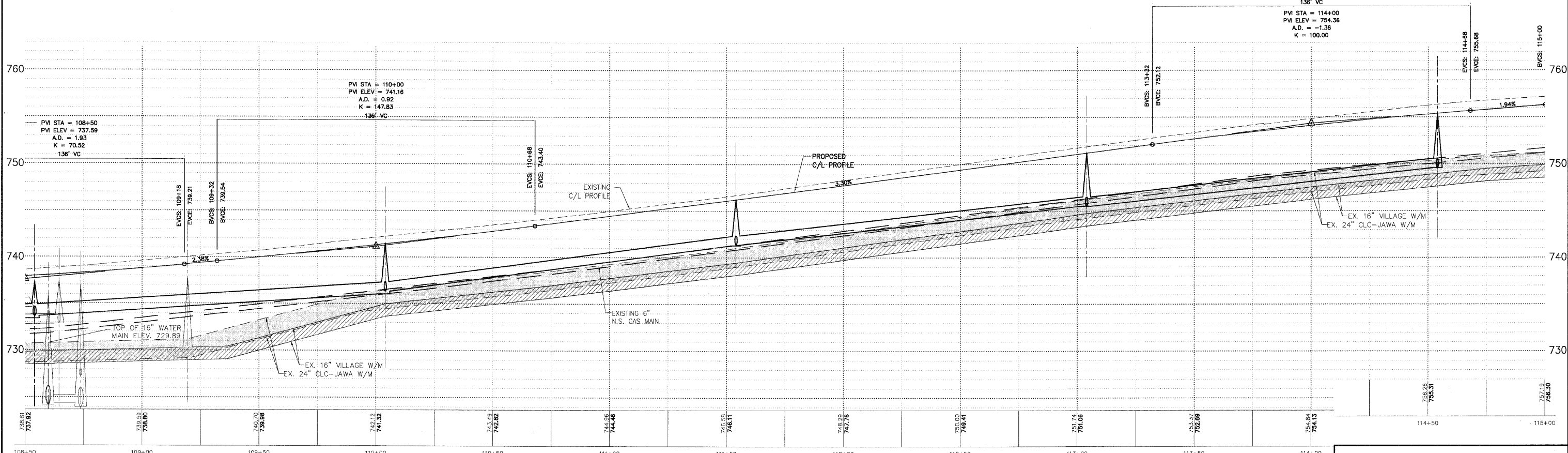
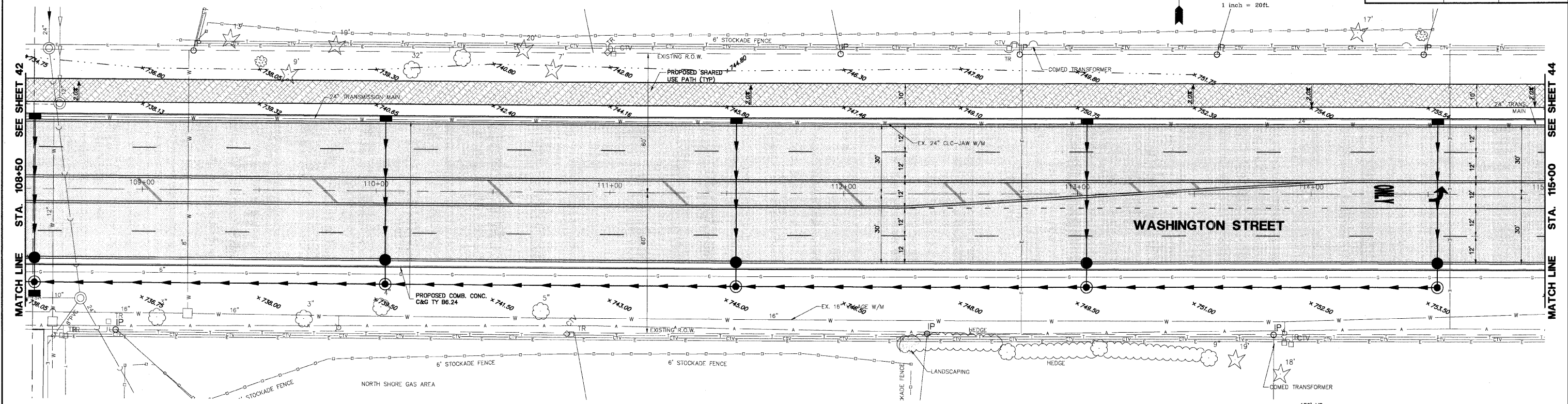
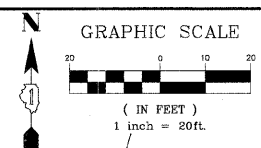
PLAN & PROFILE LEGEND
WASHINGTON STREET

	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12" 12" AGGREGATE SUBGRADE		TYPE B-6.24 COMB. CONC. CURB AND GUTTER (B-6.12 CEMETERY ROAD)
	PROPOSED SHARED USE PATH		DEPRESSED SECTION CURB AND GUTTER
	2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50		5" P.C.C. SIDEWALK
	2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50		6" AGGREGATE BASE COURSE, TYPE 'B'
	6" AGGREGATE BASE COURSE, TYPE 'B'		CURB RAMP FOR SIDEWALK
	PROPOSED MINOR ACCESS DRIVEWAY		DETECTABLE WARNING
	2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50		
	6" AGGREGATE BASE COURSE, TYPE 'B'		

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-8700
(847) 478-8701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
STA 102+00 TO 108+50
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET
SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS



PLAN & PROFILE LEGEND

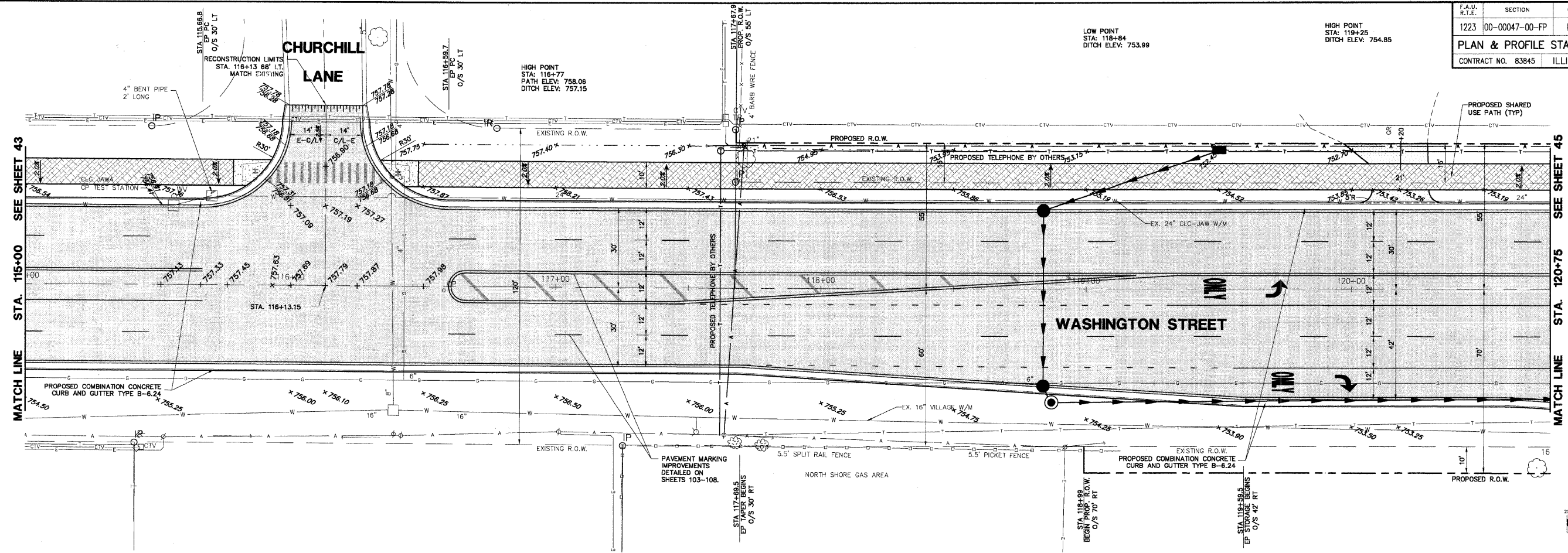
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|---|--|
| HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12" | TYPE B-6.24 COMB. CONC. CURB AND GUTTER (B-6.12 CEMETERY ROAD) |
| PROPOSED SHARED USE PATH | DEPRESSED SECTION CURB AND GUTTER |
| 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 | 5" P.C.C. SIDEWALK |
| 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 | 6" AGGREGATE BASE COURSE, TYPE 'B' |
| 6" AGGREGATE BASE COURSE, TYPE 'B' | CURB RAMP FOR SIDEWALK DETECTABLE WARNING |
| PROPOSED MINOR ACCESS DRIVEWAY | |
| 2 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 | |
| 6" AGGREGATE BASE COURSE, TYPE 'B' | |

PLANS PREPARED BY:
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 Consulting Engineers & Surveyors
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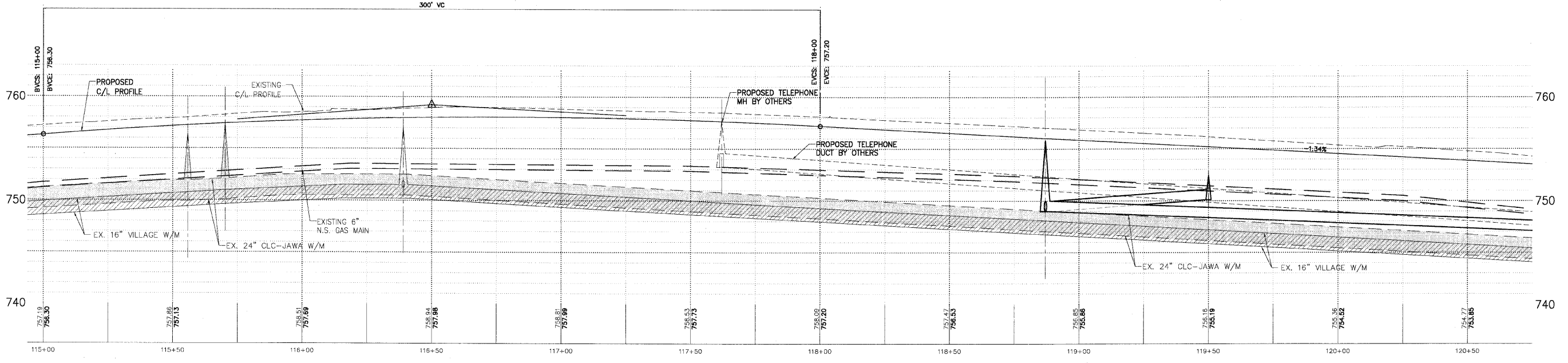
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
STA 108+50 TO 115+00
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET
 SCALE: H: 1"=20' V: 1"=5'
 DATE: 10-05-04
 DRAWN BY: CGP
 DESIGNED BY: TPG
 CHECKED BY: BLS

F.A.D. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	44
PLAN & PROFILE STA 115+00 TO 120+75				
CONTRACT NO. 83845		ILLINOIS		



HIGH POINT ELEV = 758.02
HIGH POINT STA = 116+77.44
PVI STA = 116+50
PVI ELEV = 758.21
A.D. = -3.28
K = 91.46
300' VC



PLAN & PROFILE LEGEND
WASHINGTON STREET

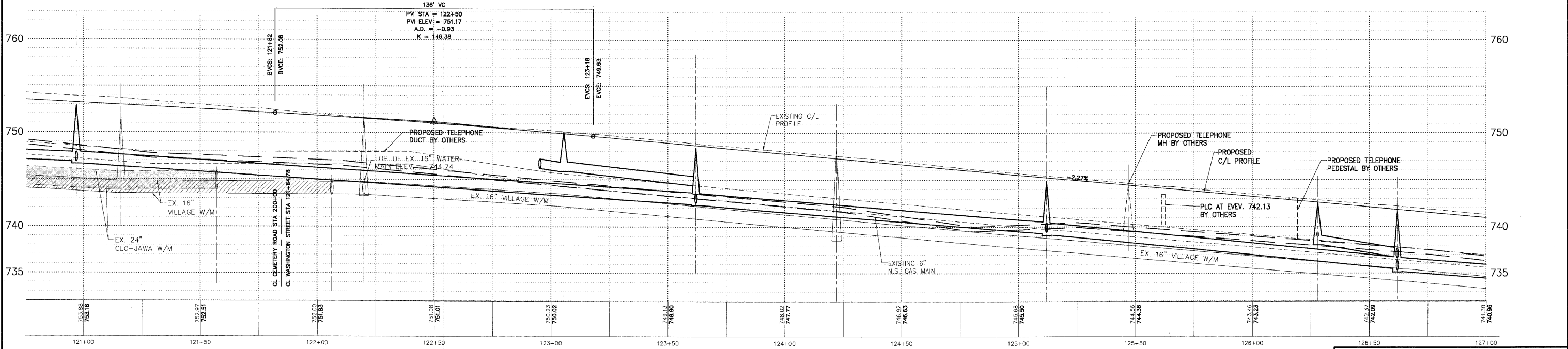
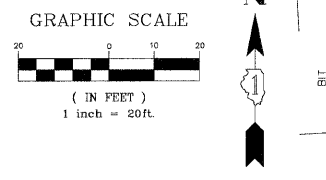
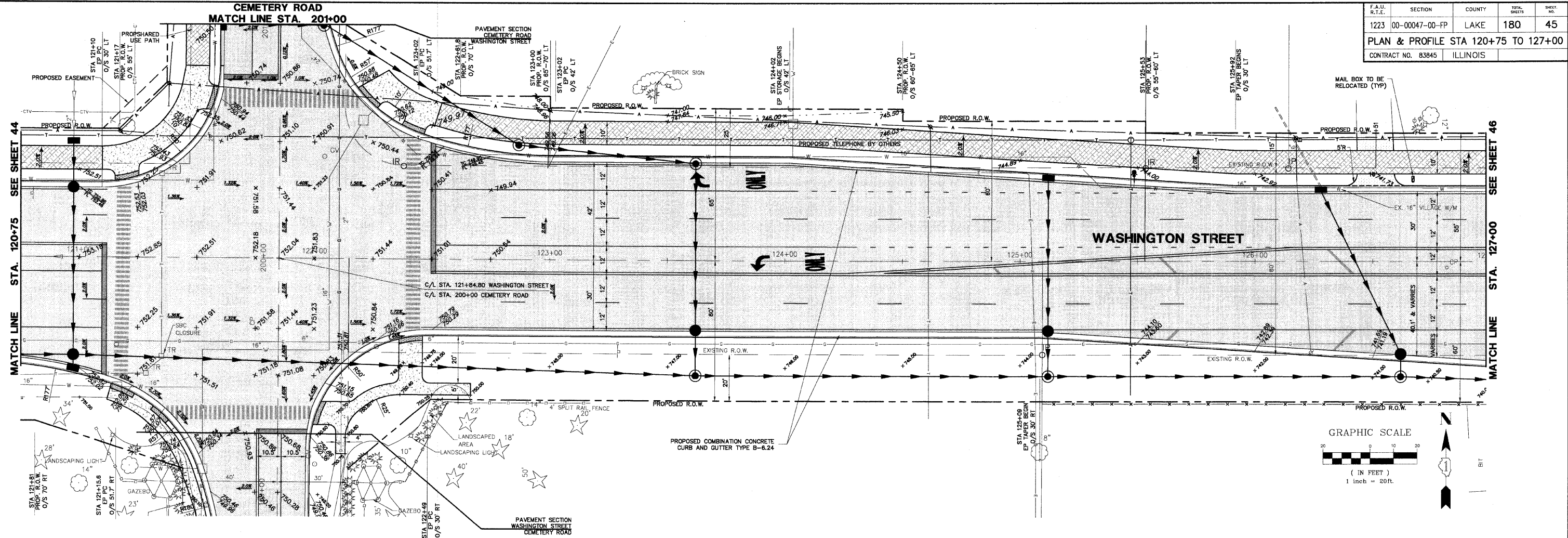
- | | | | |
|--|---|--|--|
| | HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12" 12" AGGREGATE SUBGRADE | | TYPE B-6.24 COMB. CONC. CURB AND GUTTER (8-6.12 CEMETERY ROAD) |
| | PROPOSED SHARED USE PATH | | DEPRESSED SECTION CURB AND GUTTER |
| | 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 | | 5" P.C.C. SIDEWALK |
| | 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 | | 8" AGGREGATE BASE COURSE, TYPE 'B' |
| | 6" AGGREGATE BASE COURSE, TYPE 'B' | | CURB RAMP FOR SIDEWALK |
| | PROPOSED MINOR ACCESS DRIVEWAY | | DETECTABLE WARNING |
| | 2.5" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 | | |
| | 6" AGGREGATE BASE COURSE, TYPE 'B' | | |

PLANS PREPARED BY:
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
STA 115+00 TO 120+75
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET
SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	45
PLAN & PROFILE STA 120+75 TO 127+00				
CONTRACT NO. 83845 ILLINOIS				



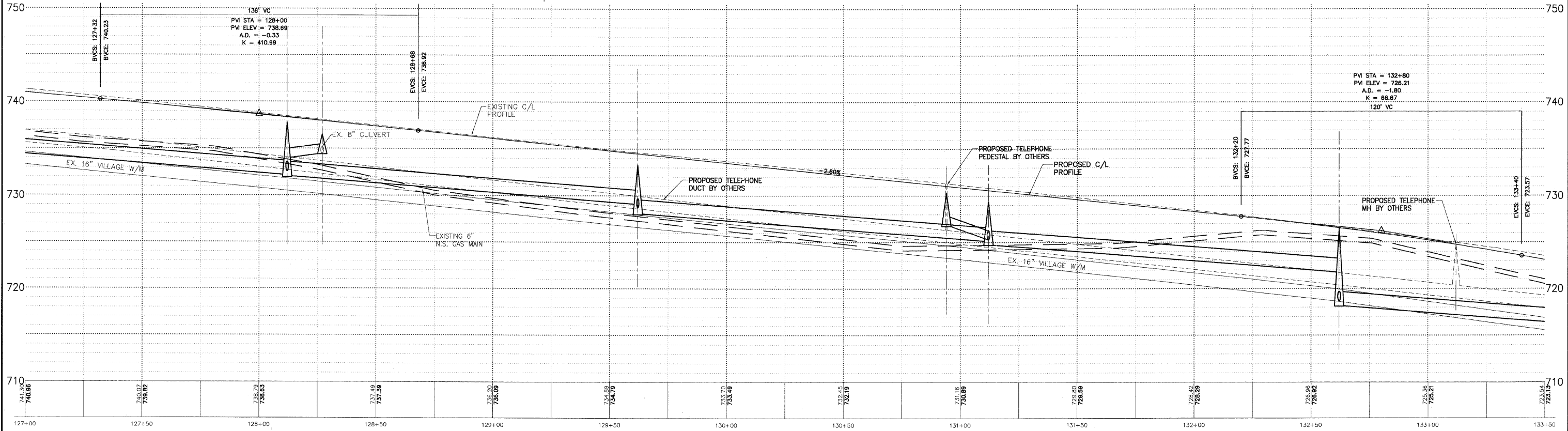
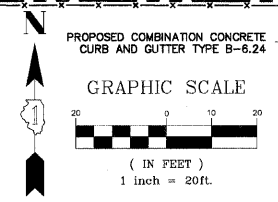
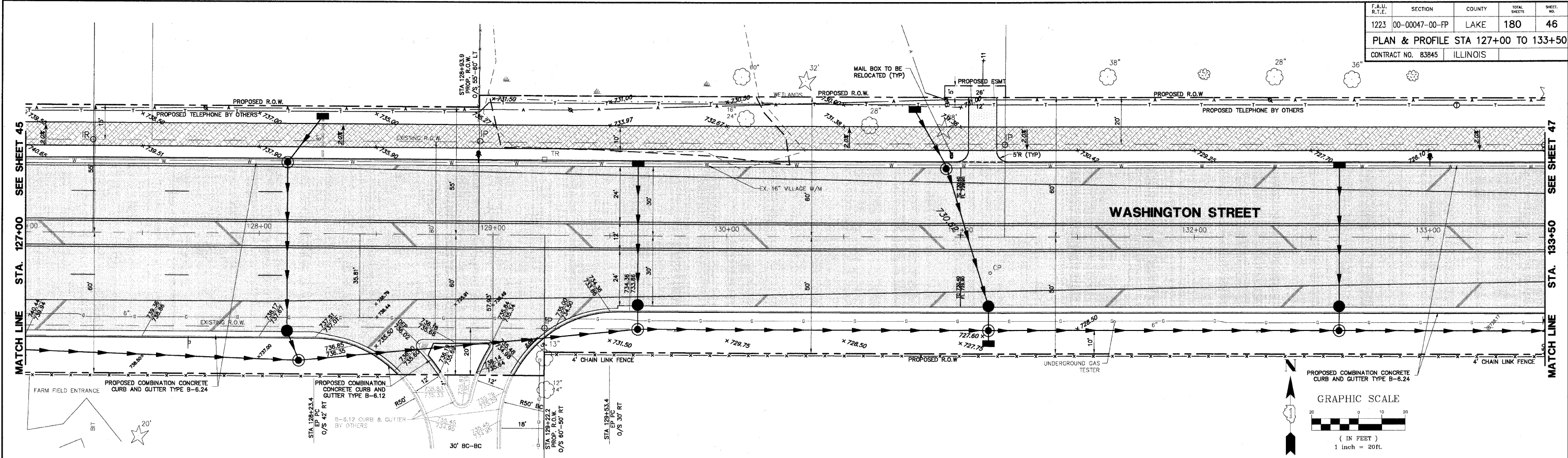
PLAN & PROFILE LEGEND

	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12"		TYPE B-6.24 COMB. CONC. CURB AND GUTTER (B-6.12 CEMETERY ROAD)
	PROPOSED SHARED USE PATH		DEPRESSED SECTION CURB AND GUTTER
	2" HOT-MIX ASPHALT BINDER COURSE, MIX 'D', N50		5" P.C.C. SIDEWALK
	2 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50		6" AGGREGATE BASE COURSE, TYPE 'B'
	PROPOSED MINOR ACCESS DRIVEWAY		CURB RAMP FOR SIDEWALK
	12" AGGREGATE SUBGRADE		DETECTABLE WARNING

PLANS PREPARED BY:
GEWALT HAMILTON
 ASSOCIATES, INC.
 Consulting Engineers & Surveyors
 850 Forest Edge Drive
 Vernon Hills, IL 60061
 (847) 478-9700
 (847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
STA 120+75 TO 127+00
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET
 SCALE: H: 1"=20' V: 1"=5'
 DATE: 10-05-04
 DRAWN BY: CGP
 DESIGNED BY: TPG
 CHECKED BY: BLS



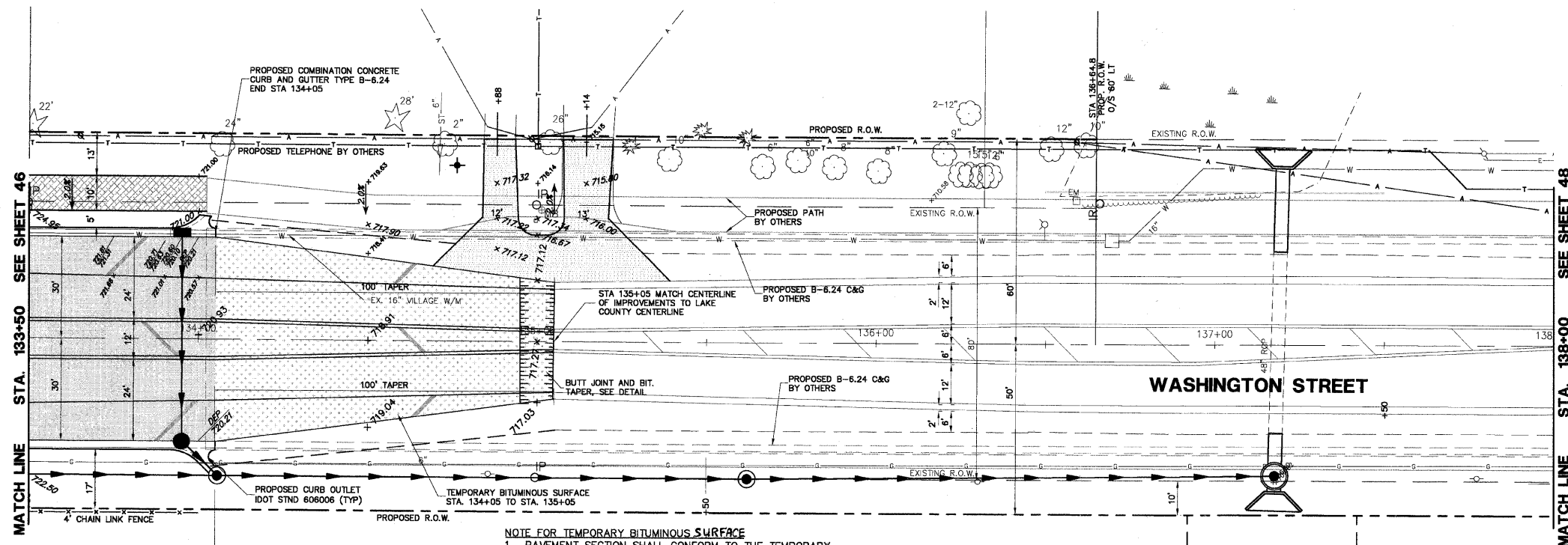
PLAN & PROFILE LEGEND

- | | | | |
|--|---|--|--|
| | HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12" 12" AGGREGATE SUBGRADE | | TYPE B-6.24 COMB. CONC. CURB AND GUTTER (B-6.12 CEMETERY ROAD) |
| | PROPOSED SHARED USE PATH | | DEPRESSED SECTION CURB AND GUTTER |
| | 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 | | 5" P.C.C. SIDEWALK |
| | 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 | | 6" AGGREGATE BASE COURSE, TYPE 'B' |
| | 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 | | CURB RAMP FOR SIDEWALK |
| | 6" AGGREGATE BASE COURSE, TYPE 'B' | | DETECTABLE WARNING |

PLANS PREPARED BY:
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 Consulting Engineers & Surveyors
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NAME	DATE
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REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

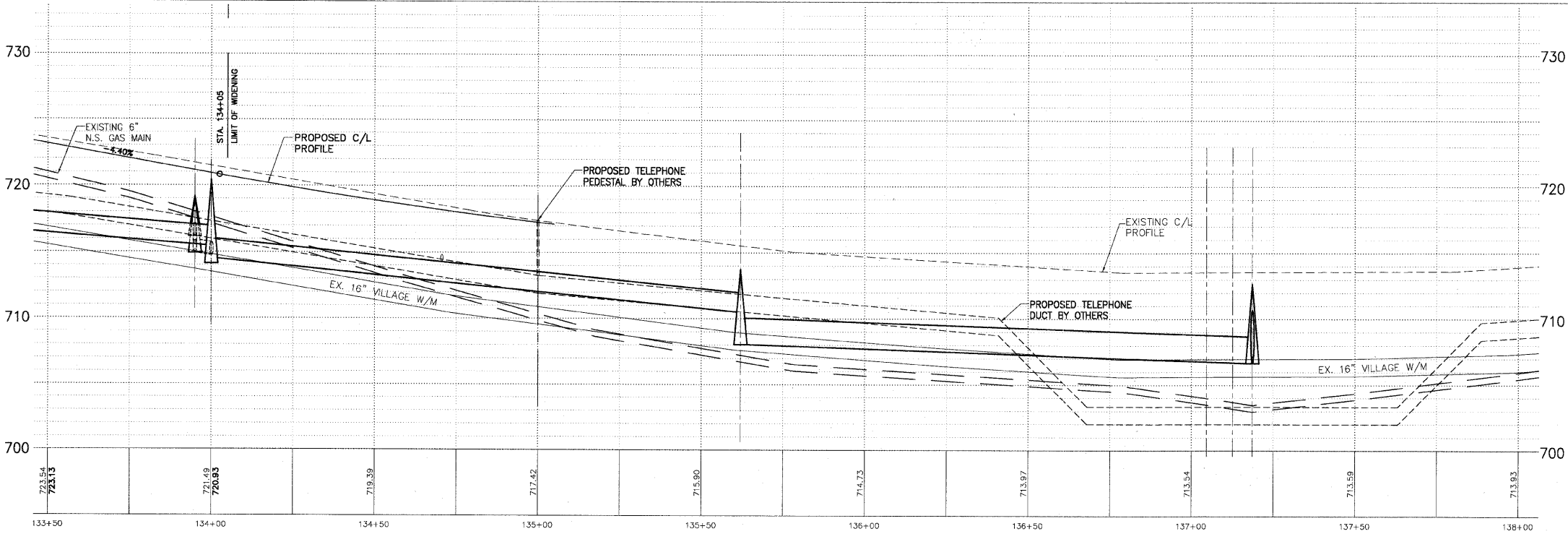
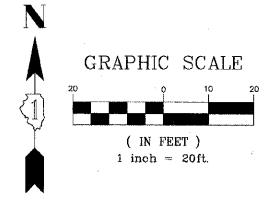
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
STA 127+00 TO 133+50
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET
 SCALE: H: 1"=20' V: 1"=5'
 DATE: 10-05-04
 DRAWN BY: CGP
 DESIGNED BY: TPG
 CHECKED BY: BLS



NOTE FOR TEMPORARY BITUMINOUS SURFACE

1. PAVEMENT SECTION SHALL CONFORM TO THE TEMPORARY BITUMINOUS PAVEMENT, WASHINGTON STREET, AS OUTLINED ON THE HOT MIX ASPHALT REQUIREMENTS TABLE.
2. INSTALLATION OF THIS SEGMENT DOES NOT INCLUDE REMOVAL.
3. INSTALLATION OF THE TEMPORARY BITUMINOUS SURFACE MAY BE WAIVED IF THE ROADWORK ON BOTH WASHINGTON STREET PROJECTS ARE COORDINATED AND RESPECTIVE PROJECT LIMITS CAN BE CONSTRUCTED TO MATCH WITHIN THE PARAMETERS OF EACH RESPECTIVE CONSTRUCTION SEQUENCE.

PLAN REFERENCE SEE PLANS TITLED "PLANS FOR PROPOSED HIGHWAY FAU ROUTE 1016 (WASHINGTON STREET)" PROJECT NUMBER M-8003(506) BY: CRAWFORD, MURPHY & TILLY, INC. LATEST DATE: 02-06-09



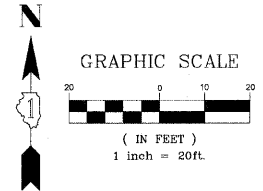
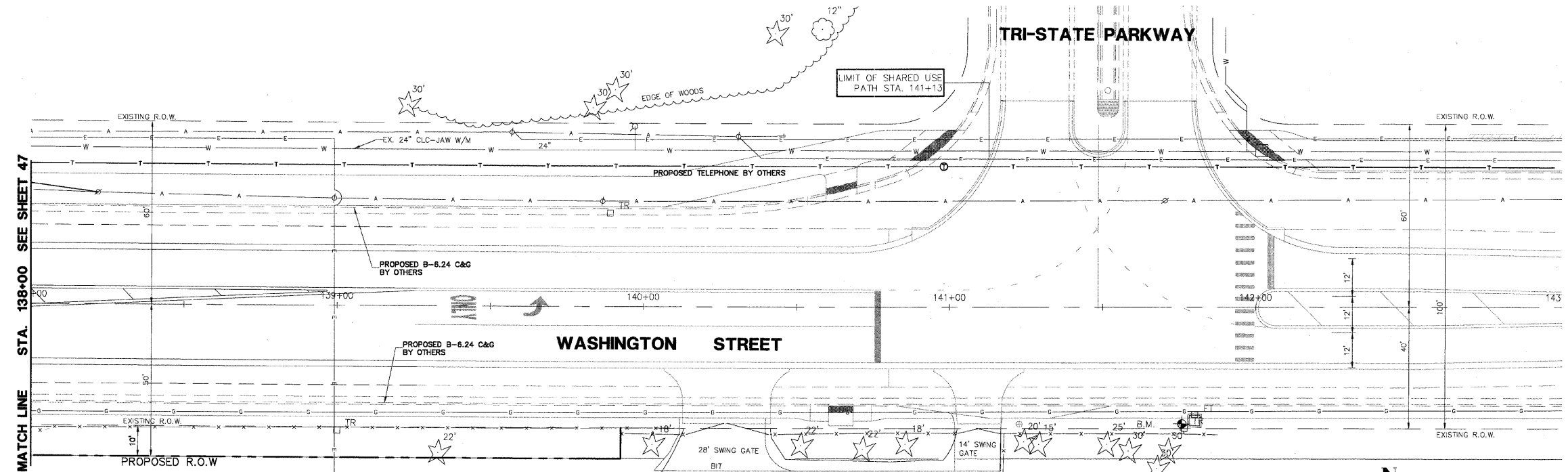
PLAN & PROFILE LEGEND
WASHINGTON STREET

	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12" AGGREGATE SUBGRADE		TYPE B-6.24 COMB. CONC. CURB AND GUTTER (B-6.12 CEMETERY ROAD)
	PROPOSED SHARED USE PATH 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 6" AGGREGATE BASE COURSE, TYPE 'B'		DEPRESSED SECTION CURB AND GUTTER
	PROPOSED MINOR ACCESS DRIVEWAY 2 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 5" AGGREGATE BASE COURSE, TYPE 'B'		5" P.C.C. SIDEWALK 6" AGGREGATE BASE COURSE, TYPE 'B'
	5" WHITE LINE, PAVEMENT MARKING EDGE OF BITUMINOUS PAVEMENT		CURB RAMP FOR SIDEWALK DETECTABLE WARNING
	8" AGGREGATE SHOULDER, TYPE 'B'		

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Verona Hills, IL 60081
(847) 478-9700
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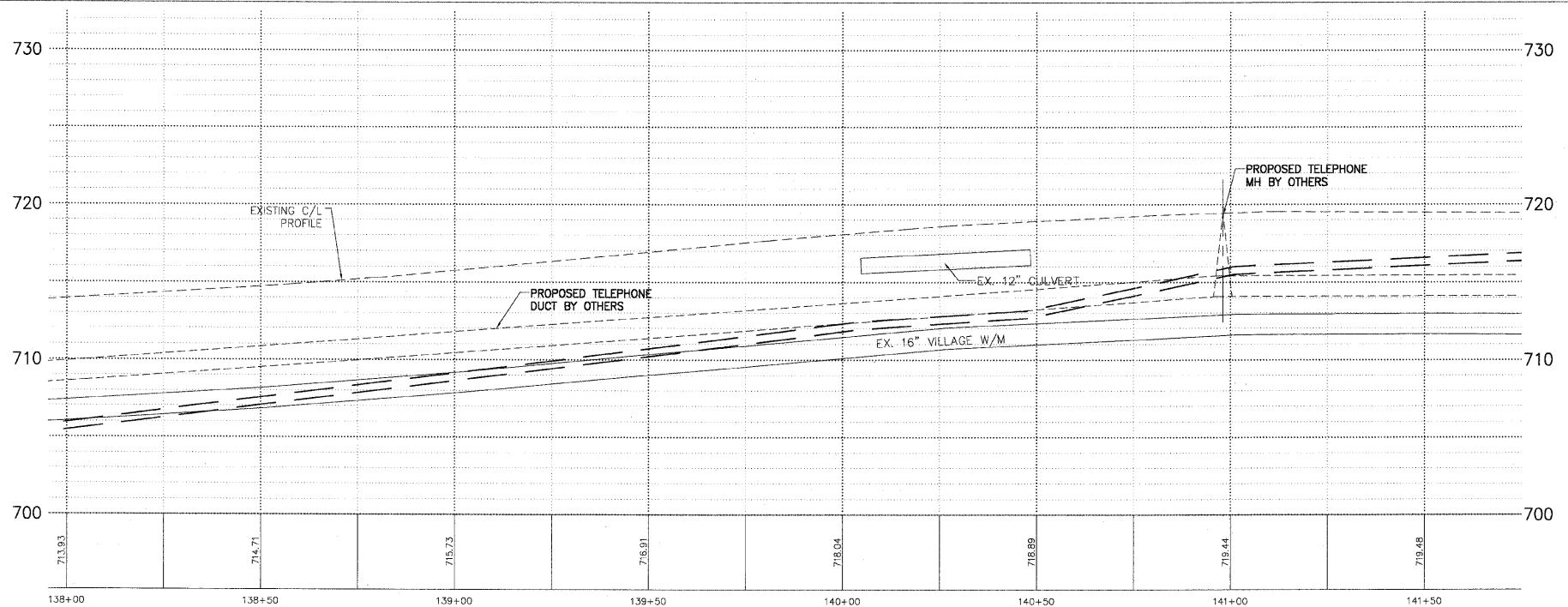
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-3 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09
PER IDOT COMMENTS	08-05-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
STA 133+50 TO 138+00
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET
SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS



NOTE #1
THIS SHEET INCLUDED FOR
REFERENCE ONLY.

PLAN REFERENCE SEE PLANS TITLED
"PLANS FOR PROPOSED HIGHWAY
FAU ROUTE 1016 (WASHINGTON STREET)"
PROJECT NUMBER M-8003(506)
BY: CRAWFORD, MURPHY & TILLY, INC.
LATEST DATE: 02-06-09



PLAN & PROFILE LEGEND

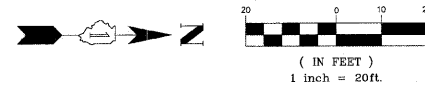
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|---|--|
| HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12" 12" AGGREGATE SUBGRADE | TYPE B-6.24 COMB. CONC. CURB AND GUTTER (B-6.12 CEMETERY ROAD) |
| PROPOSED SHARED USE PATH | DEPRESSED SECTION CURB AND GUTTER |
| 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 | 5" P.C.C. SIDEWALK |
| 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 | 6" AGGREGATE BASE COURSE, TYPE 'B' |
| 6" AGGREGATE BASE COURSE, TYPE 'B' | CURB RAMP FOR SIDEWALK DETECTABLE WARNING |
| PROPOSED MINOR ACCESS DRIVEWAY | |
| 2 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 | |
| 6" AGGREGATE BASE COURSE, TYPE 'B' | |

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

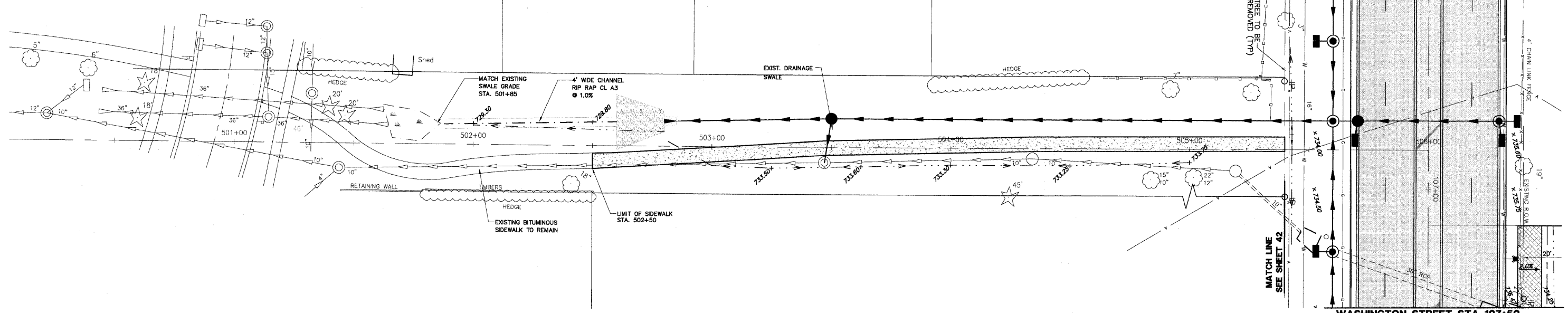
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
STA 138+00 TO 143+00
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET
SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

GRAPHIC SCALE



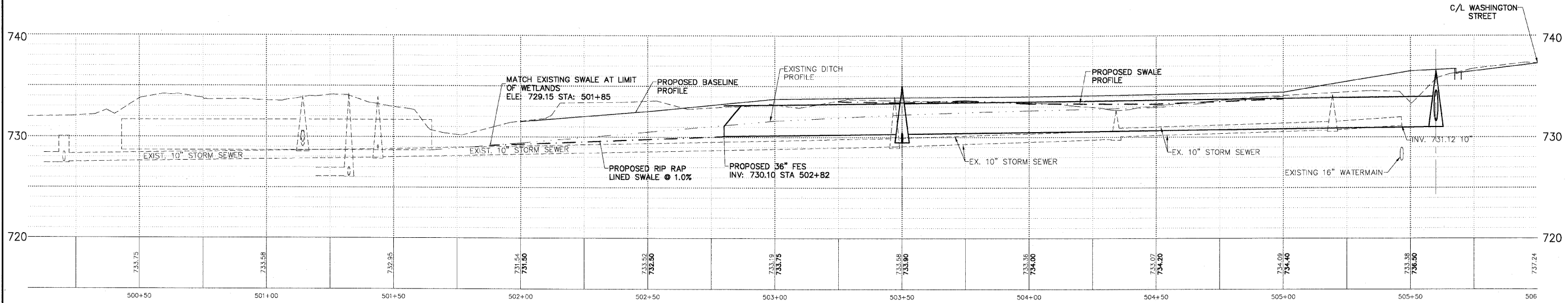
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	49
PLAN & PROFILE WASHINGTON STREET OUTLOT		CONTRACT NO. 83845 ILLINOIS		

OLD FARM LANE



WASHINGTON STREET STA 106+00
SEE SHEET 42

WASHINGTON STREET STA 107+50
SEE SHEET 42



PLAN & PROFILE LEGEND
WASHINGTON STREET

- | | |
|---|--|
| HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12" 12" AGGREGATE SUBGRADE | TYPE B-8-24 COMB. CONC. CURB AND GUTTER (8-6.12 CEMETERY ROAD) |
| PROPOSED SHARED USE PATH | DEPRESSED SECTION CURB AND GUTTER |
| 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 | 5" P.C.C. SIDEWALK |
| 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 | 6" AGGREGATE BASE COURSE, TYPE 'B' |
| 6" AGGREGATE BASE COURSE, TYPE 'B' | CURB RAMPS FOR SIDEWALK DETECTABLE WARNING |
| PROPOSED MINOR ACCESS DRIVEWAY | |
| 2 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 | |
| 6" AGGREGATE BASE COURSE, TYPE 'B' | |
| 5" WHITE LINE, PAVEMENT MARKING EDGE OF BITUMINOUS PAVEMENT | |
| 8" AGGREGATE SHOULDER, TYPE 'B' | |

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

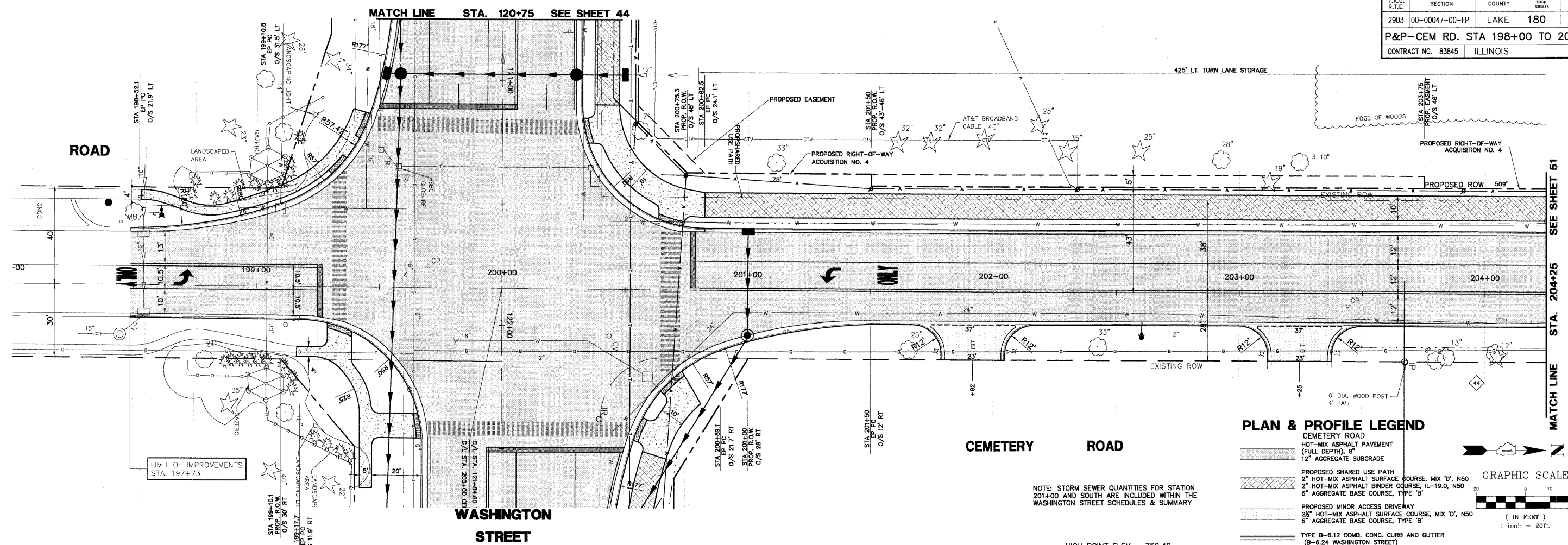
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE

**PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET - OUTLOT**

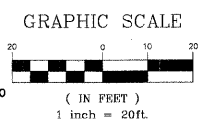
SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS



PLAN & PROFILE LEGEND

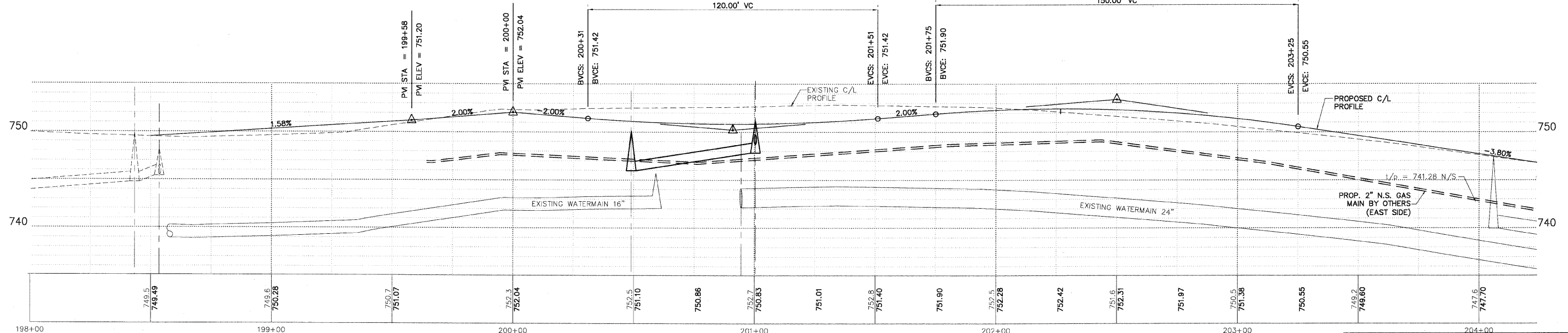
- CEMETERY ROAD
- HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8"
- 12" AGGREGATE SUBGRADE
- PROPOSED SHARED USE PATH
- 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50
- 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
- 6" AGGREGATE BASE COURSE, TYPE 'B'
- PROPOSED MINOR ACCESS DRIVEWAY
- 2 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50
- 6" AGGREGATE BASE COURSE, TYPE 'B'
- TYPE B-6.12 COMB. CONC. CURB AND GUTTER (B-6.24 WASHINGTON STREET)
- DEPRESSED SECTION CURB AND GUTTER
- 5" P.C.C. SIDEWALK
- 6" AGGREGATE BASE COURSE, TYPE 'B'
- CURB RAMPS FOR SIDEWALK DETECTABLE WARNING



NOTE: STORM SEWER QUANTITIES FOR STATION 201+00 AND SOUTH ARE INCLUDED WITHIN THE WASHINGTON STREET SCHEDULES & SUMMARY

LOW POINT ELEV = 750.82
 LOW POINT STA = 200+91
 PVI STA = 200+91
 PVI ELEV = 750.22
 A.D. = 4.00
 K = 30.00
 120.00' VC

HIGH POINT ELEV = 752.42
 HIGH POINT STA = 202+26.72
 PVI STA = 202+50
 PVI ELEV = 753.40
 A.D. = -5.80
 K = 25.86
 150.00' VC



PLANS PREPARED BY:
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 Consulting Engineers & Surveyors
 850 Forest Edge Drive
 Vernon Hills, IL 60061
 (847) 478-9700
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

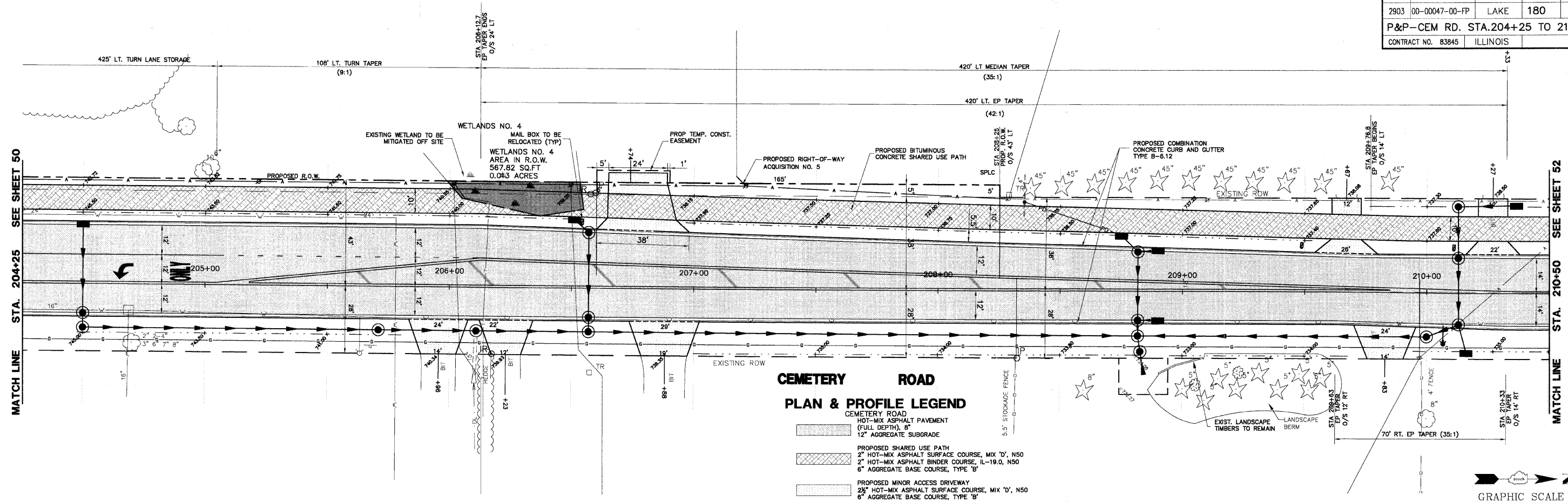
ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
 PROPOSED ROADWAY WIDENING
 AND INTERSECTION IMPROVEMENTS
 CEMETERY ROAD

SCALE: H: 1"=20' V: 1"=5'
 DATE: 10-05-04

DRAWN BY: CGP
 DESIGNED BY: TPG
 CHECKED BY: BLS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	51
P&P-CEM RD. STA.204+25 TO 210+50				
CONTRACT NO. 83845 ILLINOIS				

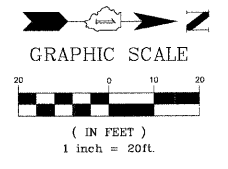
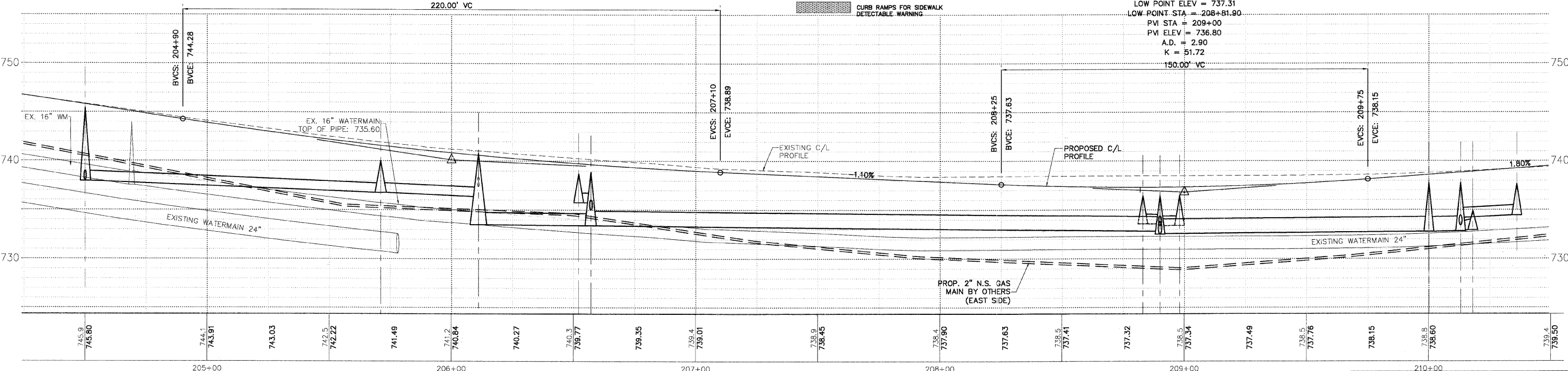


**CEMETERY ROAD
PLAN & PROFILE LEGEND**

- CEMETERY ROAD
HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8"
12" AGGREGATE SUBGRADE
- PROPOSED SHARED USE PATH
2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50
2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
6" AGGREGATE BASE COURSE, TYPE 'B'
- PROPOSED MINOR ACCESS DRIVEWAY
2 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50
6" AGGREGATE BASE COURSE, TYPE 'B'
- TYPE B-6.12 COMB. CONC. CURB AND GUTTER (B-6.24 WASHINGTON STREET)
- DEPRESSED SECTION CURB AND GUTTER
- 5' P.C.C. SIDEWALK
6" AGGREGATE BASE COURSE, TYPE 'B'
- CURB RAMPS FOR SIDEWALK
DETECTABLE WARNING

PVI STA = 206+00
PVI ELEV = 740.10
A.D. = 2.70
K = 81.48
220.00' VC

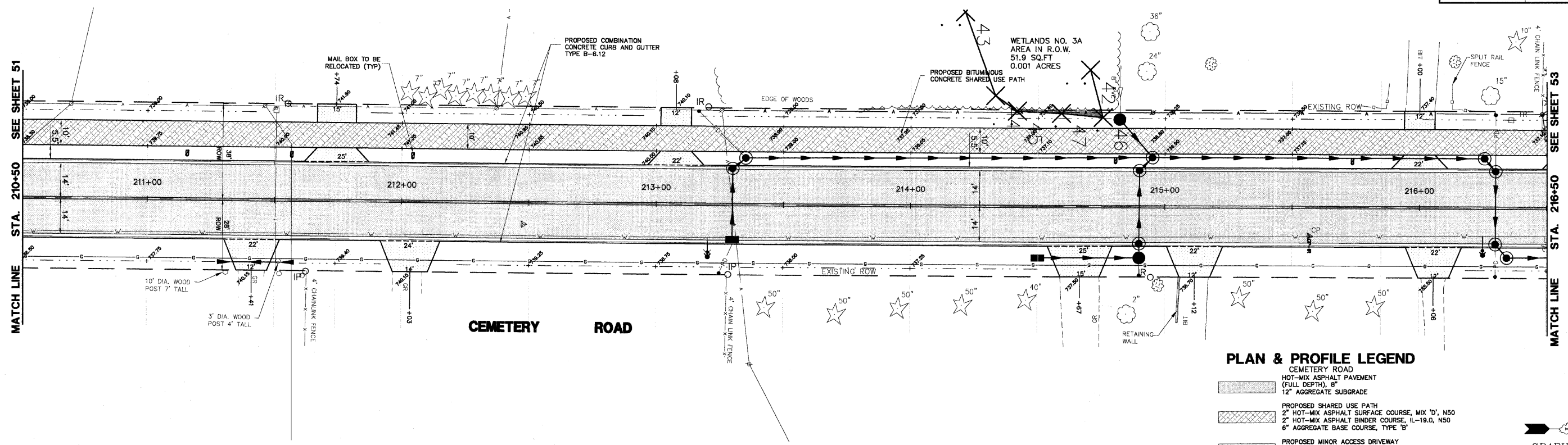
LOW POINT ELEV = 737.31
LOW POINT STA. = 208+81.90
PVI STA = 209+00
PVI ELEV = 736.80
A.D. = 2.90
K = 51.72
150.00' VC



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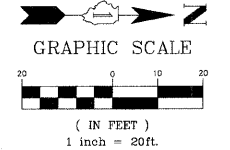
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD
SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS



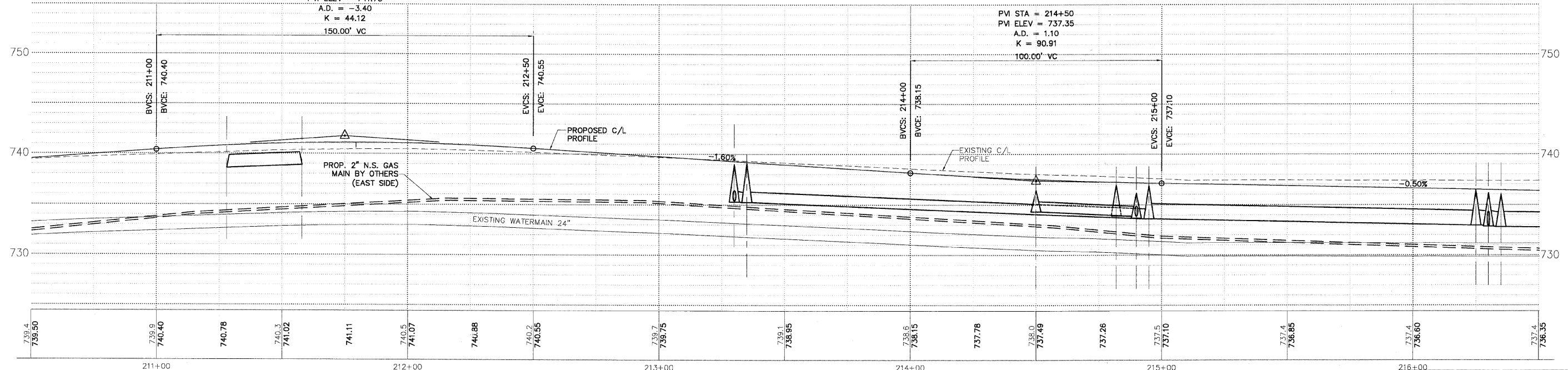
PLAN & PROFILE LEGEND

- CEMETERY ROAD**
- HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8" 12" AGGREGATE SUBGRADE
 - PROPOSED SHARED USE PATH 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 6" AGGREGATE BASE COURSE, TYPE 'B'
 - PROPOSED MINOR ACCESS DRIVEWAY 2 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 6" AGGREGATE BASE COURSE, TYPE 'B'
 - TYPE B-6.12 COMB. CONC. CURB AND GUTTER (B-6.24 WASHINGTON STREET)
 - DEPRESSED SECTION CURB AND GUTTER
 - 5" P.C.C. SIDEWALK 6" AGGREGATE BASE COURSE, TYPE 'B'
 - CURB RAMPS FOR SIDEWALK DETECTABLE WARNING



HIGH POINT ELEV = 741.11
HIGH POINT STA = 211+79.41
PVI STA = 211+75
PVI ELEV = 741.75
A.D. = -3.40
K = 44.12
150.00' VC

PVI STA = 214+50
PVI ELEV = 737.35
A.D. = 1.10
K = 90.91
100.00' VC



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REVISIONS	
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REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

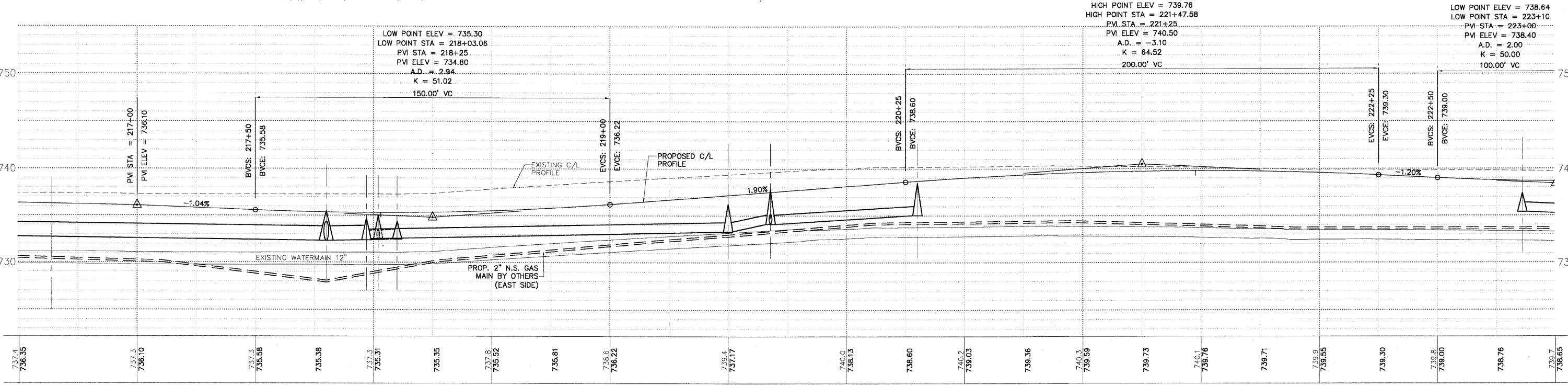
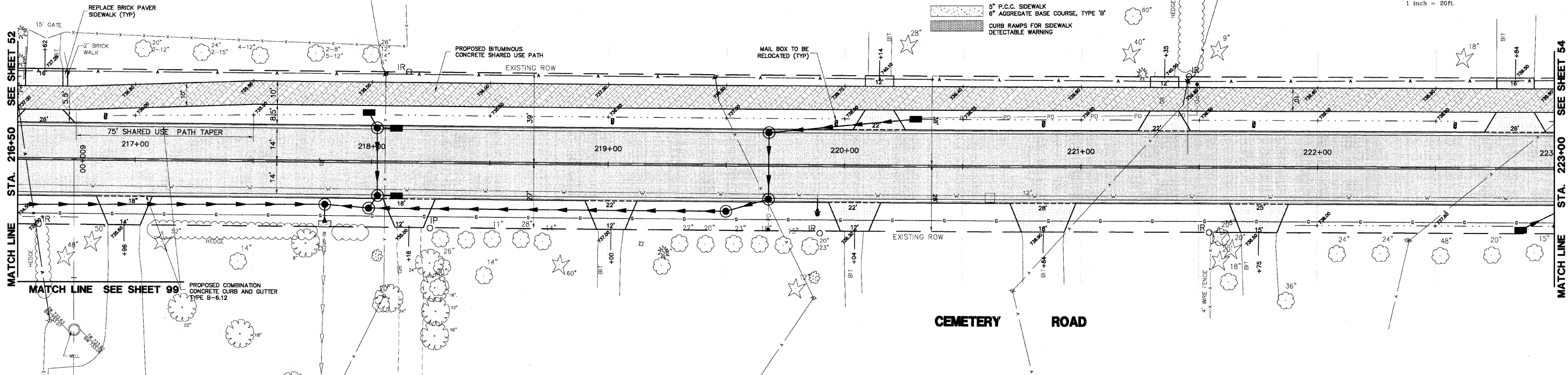
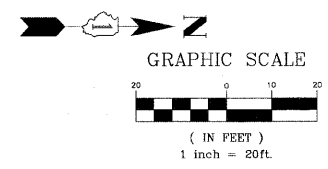
SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	53
P&P-CEM RD STA 216+50 TO 223+00				
CONTRACT NO. 83845		ILLINOIS		

PLAN & PROFILE LEGEND

- HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8" 12" AGGREGATE SUBGRADE
- PROPOSED SHARED USE PATH 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 6" AGGREGATE BASE COURSE, TYPE 'B'
- PROPOSED MINOR ACCESS DRIVEWAY 2 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 6" AGGREGATE BASE COURSE, TYPE 'B'
- TYPE B-6.12 COMB. CONC. CURBS AND GUTTER (B-6.24 WASHINGTON STREET)
- DEPRESSED SECTION CURB AND GUTTER
- 5" P.C.C. SIDEWALK 6" AGGREGATE BASE COURSE, TYPE 'B'
- CURB RAMPS FOR SIDEWALK DETECTABLE WARNING



ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
 Consulting Engineers & Surveyors
 850 Forest Ridge Drive
 Vernon Hills, IL 60061
 (847) 478-9700
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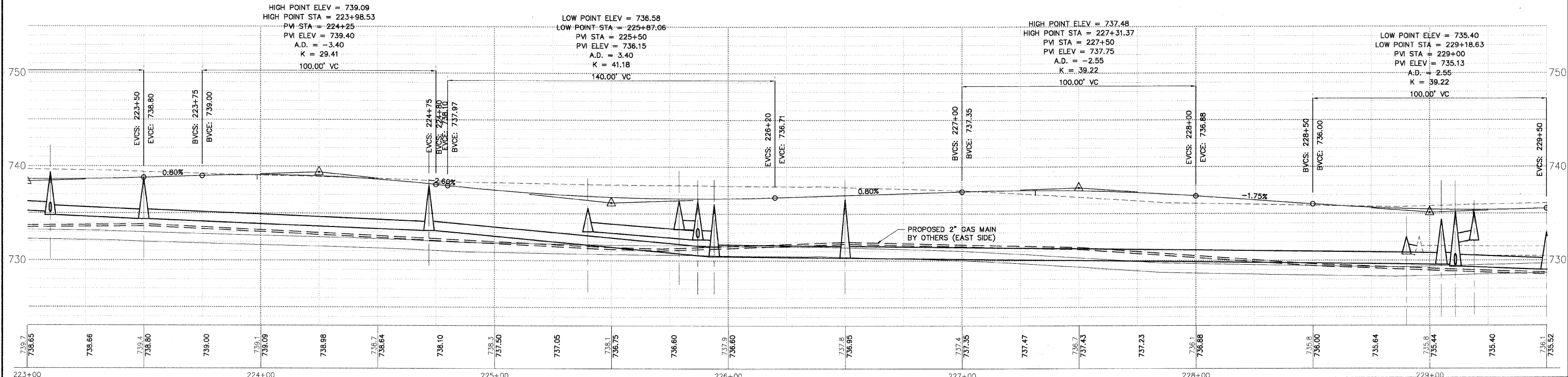
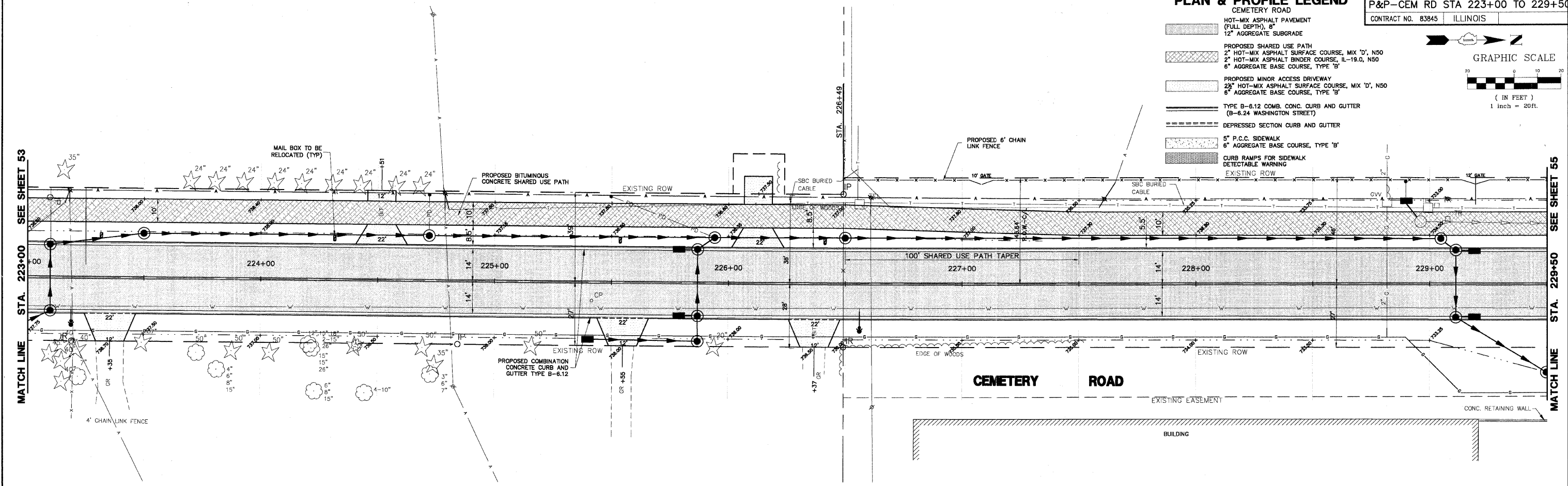
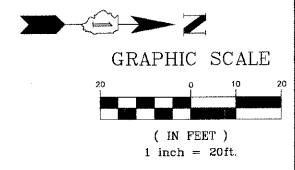
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

SCALE: H: 1"=20' V: 1"=5'
 DATE: 10-05-04

DRAWN BY: CGP
 DESIGNED BY: TPG
 CHECKED BY: BLS

PLAN & PROFILE LEGEND

- HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8" 12" AGGREGATE SUBGRADE
- PROPOSED SHARED USE PATH 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 6" AGGREGATE BASE COURSE, TYPE 'B'
- PROPOSED MINOR ACCESS DRIVEWAY 2 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 6" AGGREGATE BASE COURSE, TYPE 'B'
- TYPE B-6.12 COMB. CONC. CURB AND GUTTER (B-6.24 WASHINGTON STREET)
- DEPRESSED SECTION CURB AND GUTTER
- 5" P.C.C. SIDEWALK 6" AGGREGATE BASE COURSE, TYPE 'B'
- CURB RAMP FOR SIDEWALK DETECTABLE WARNING



ILLINOIS DEPARTMENT OF TRANSPORTATION

PLANS PREPARED BY:
GEWALT HAMILTON
ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

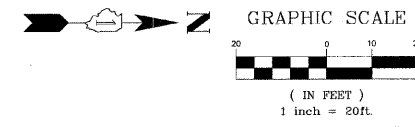
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

PLAN AND PROFILE PROPOSED ROADWAY WIDENING AND INTERSECTION IMPROVEMENTS CEMETERY ROAD

SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

PLAN & PROFILE LEGEND

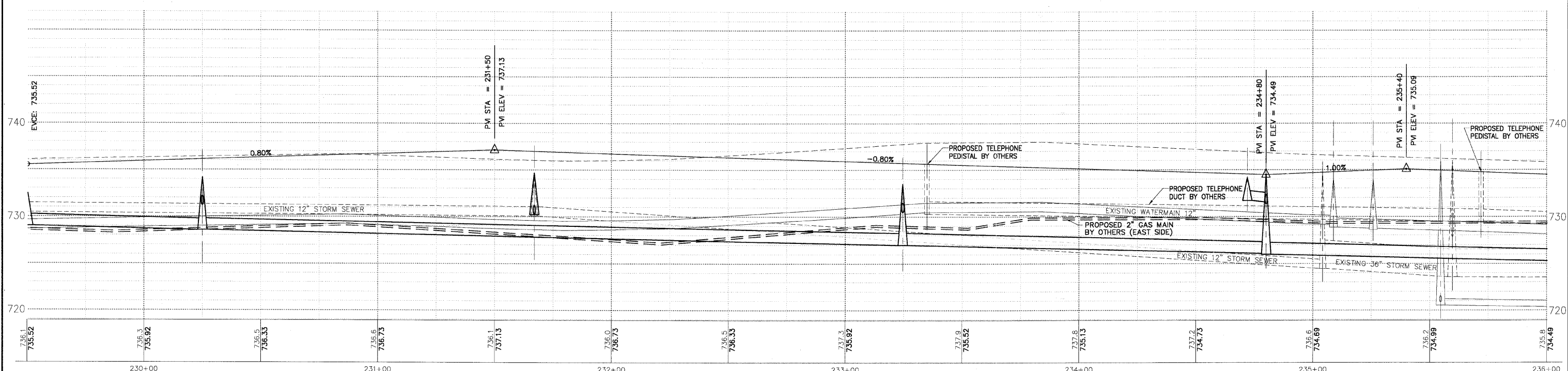
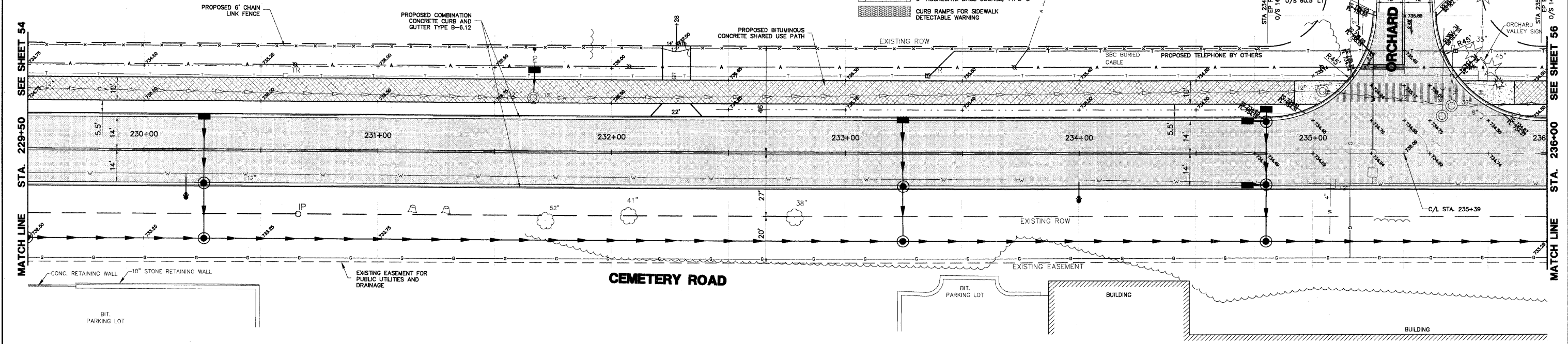
- CEMETERY ROAD
- HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8"
- 12" AGGREGATE SUBGRADE
- PROPOSED SHARED USE PATH
- 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50
- 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
- 6" AGGREGATE BASE COURSE, TYPE 'B'
- PROPOSED MINOR ACCESS DRIVEWAY
- 2 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50
- 6" AGGREGATE BASE COURSE, TYPE 'B'
- TYPE B-6.12 COMB. CONC. CURB AND GUTTER (B-6.24 WASHINGTON STREET)
- DEPRESSED SECTION CURB AND GUTTER
- 5" P.C.C. SIDEWALK
- 6" AGGREGATE BASE COURSE, TYPE 'B'
- CURB RAMP FOR SIDEWALK
- DETECTABLE WARNING



F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	55
P&P CEM RD STA 229+50 TO 236+00				
CONTRACT NO. 83845		ILLINOIS		

STA. 229+50
MATCH LINE
SEE SHEET 54

STA. 236+00
MATCH LINE
SEE SHEET 56



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Vernon Hills, IL 60061
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

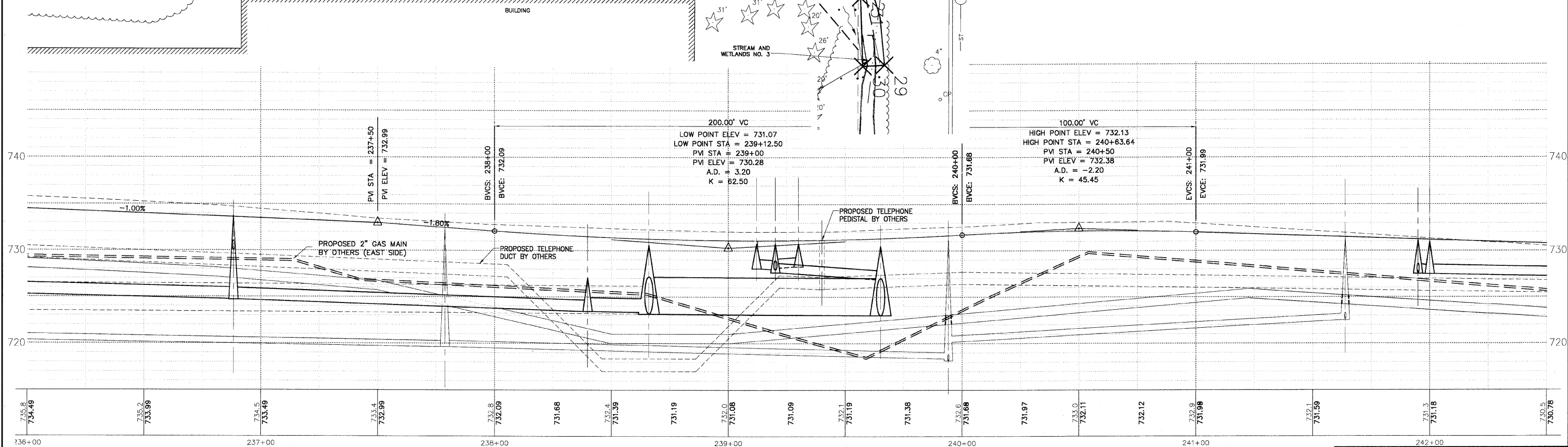
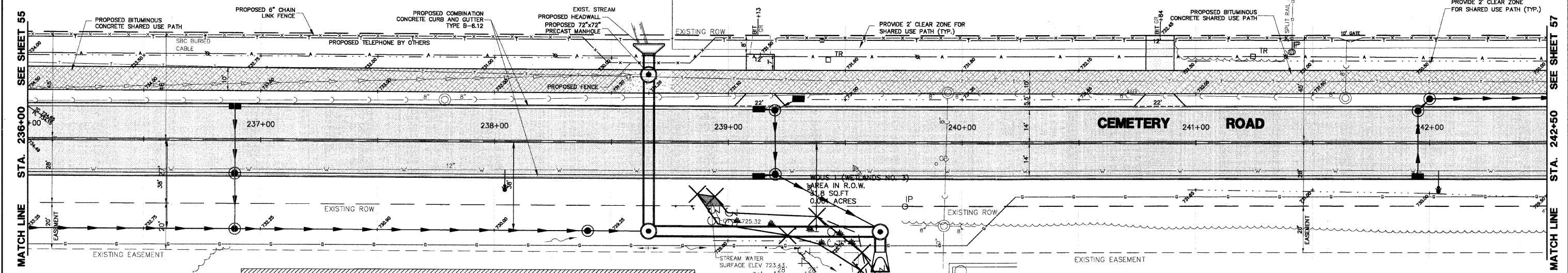
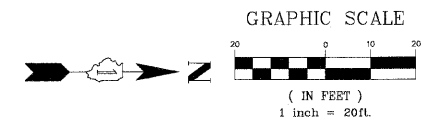
SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	56
P&P CEM RD STA 236+00 TO 242+50				
CONTRACT NO. 83845		ILLINOIS		

PLAN & PROFILE LEGEND

- HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8" 12" AGGREGATE SUBGRADE
- PROPOSED SHARED USE PATH 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 6" AGGREGATE BASE COURSE, TYPE 'B'
- PROPOSED MINOR ACCESS DRIVEWAY 2 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 6" AGGREGATE BASE COURSE, TYPE 'B'
- TYPE B-6.12 COMB. CONC. CURB AND GUTTER (B-6.24 WASHINGTON STREET)
- DEPRESSED SECTION CURB AND GUTTER
- 5' P.C.C. SIDEWALK 6" AGGREGATE BASE COURSE, TYPE 'B'
- CURB RAMP FOR SIDEWALK DETECTABLE WARNING



735.8 734.48	735.2 733.99	734.5 733.49	733.4 732.99	732.8 732.09	731.68	732.4 731.39	731.19	732.0 731.08	731.09	732.1 731.19	731.38	732.6 731.68	731.97	733.0 732.11	732.12	732.9 731.98	732.1 731.59	731.3 731.18	730.5 730.78
236+00		237+00		238+00		239+00		240+00		241+00		242+00							

ILLINOIS DEPARTMENT OF TRANSPORTATION

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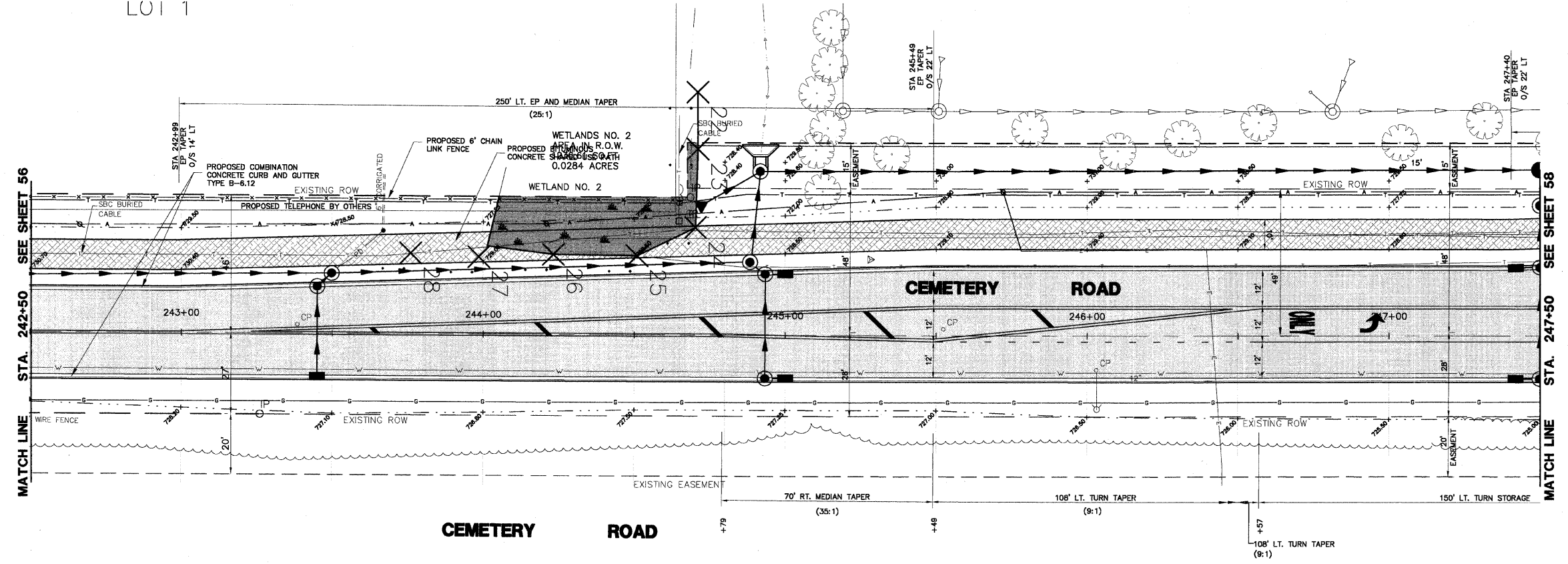
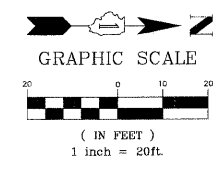
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

**PLAN AND PROFILE
 PROPOSED ROADWAY WIDENING
 AND INTERSECTION IMPROVEMENTS
 CEMETERY ROAD**

SCALE: H: 1"=20' V: 1"=5'
 DATE: 10-05-04
 DRAWN BY: CGP
 DESIGNED BY: TPG
 CHECKED BY: BLS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	57
P&P CEM RD STA 242+50 TO 247+50				
CONTRACT NO. 83845		ILLINOIS		

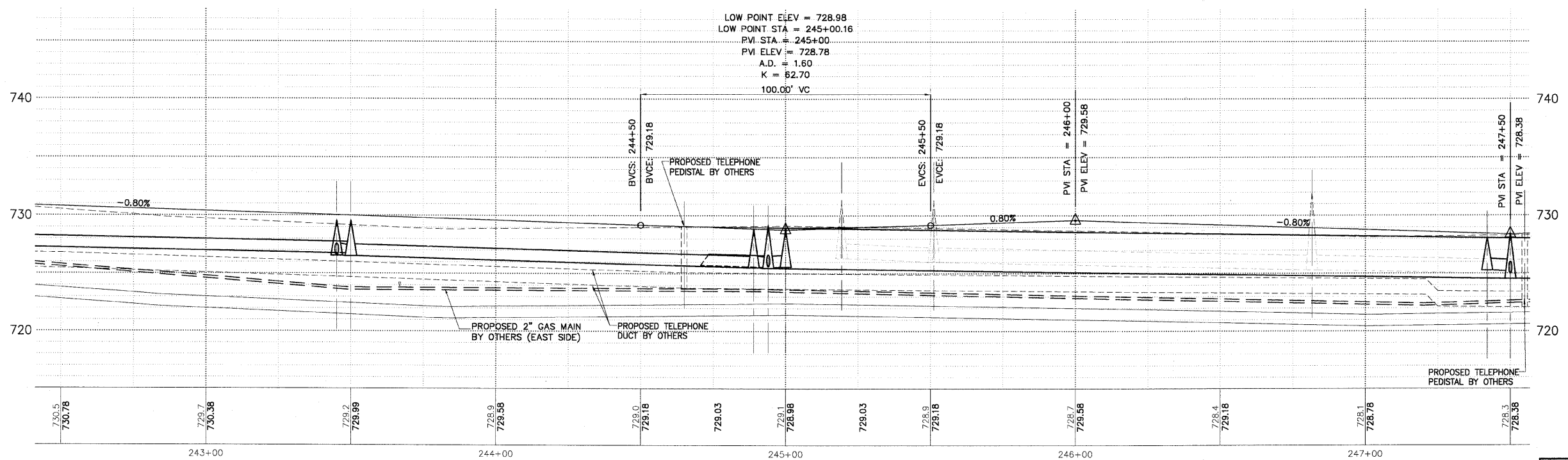
LOT 1



PLAN & PROFILE LEGEND

CEMETERY ROAD

- HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8" 12" AGGREGATE SUBGRADE
- PROPOSED SHARED USE PATH 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 6" AGGREGATE BASE COURSE, TYPE 'B'
- PROPOSED MINOR ACCESS DRIVEWAY 2 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 6" AGGREGATE BASE COURSE, TYPE 'B'
- TYPE B-6.12 COMB. CONC. CURB AND GUTTER (B-6.24 WASHINGTON STREET)
- DEPRESSED SECTION CURB AND GUTTER
- 5" P.C.C. SIDEWALK 6" AGGREGATE BASE COURSE, TYPE 'B'
- CURB RAMPS FOR SIDEWALK DETECTABLE WARNING



PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
 Consulting Engineers & Surveyors
 850 Forest Edge Drive
 Vernon Hills, IL 60061
 (847) 478-9700
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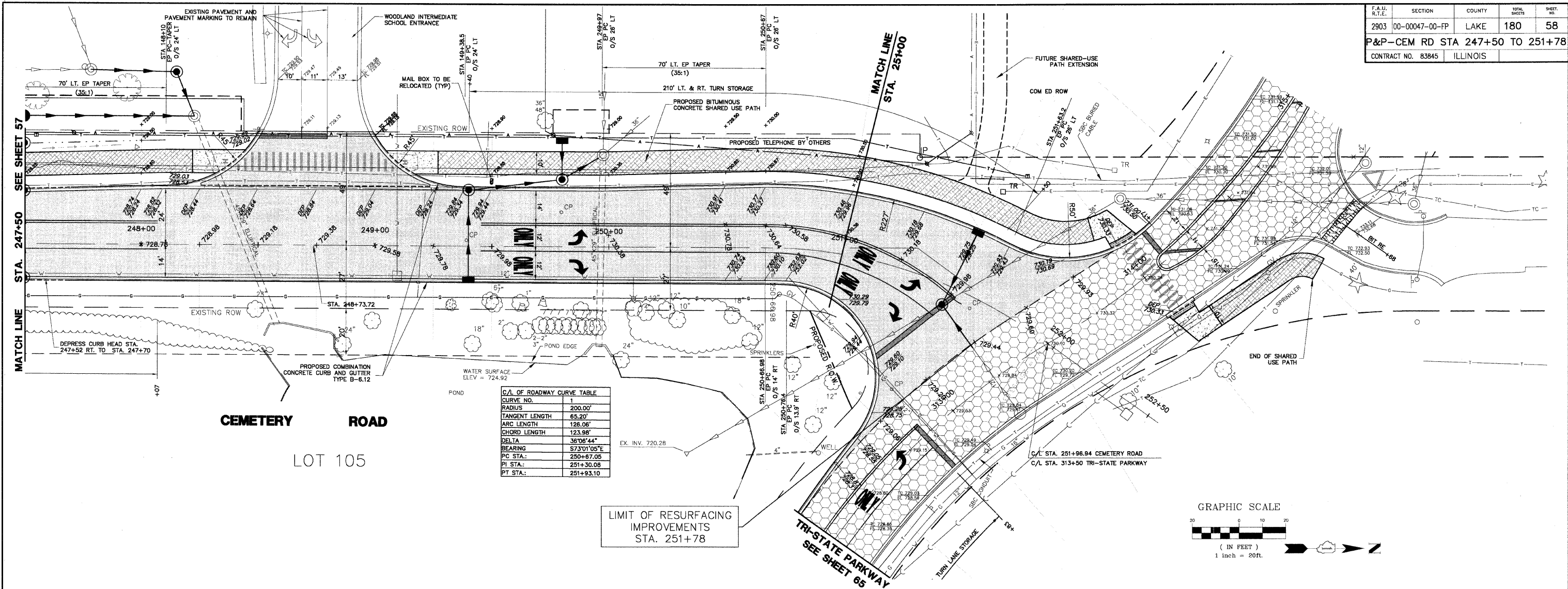
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION

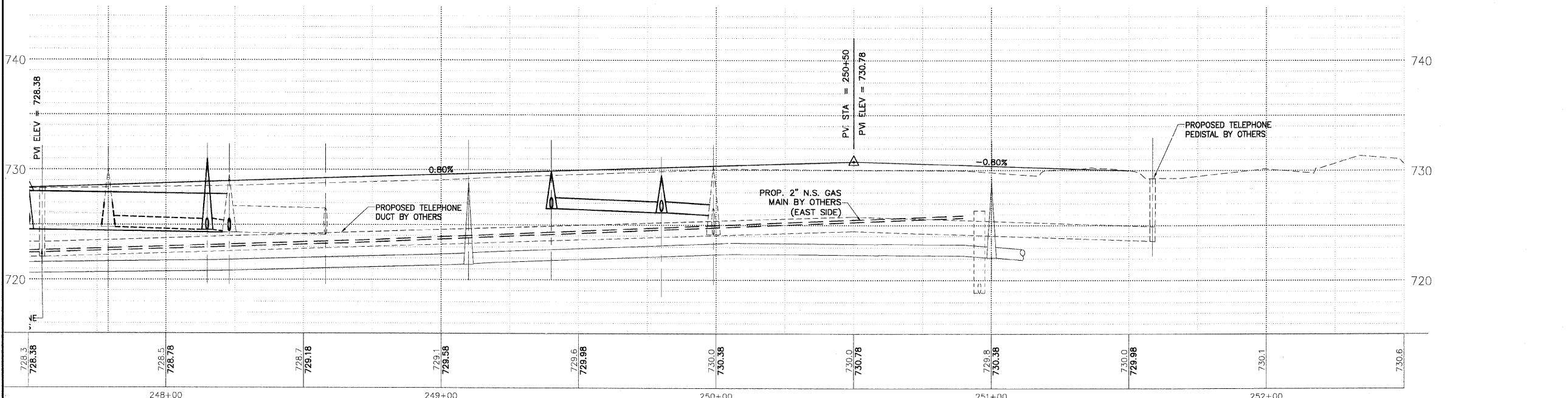
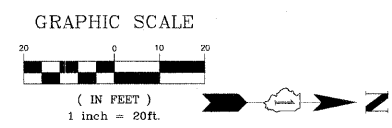
**PLAN AND PROFILE
 PROPOSED ROADWAY WIDENING
 AND INTERSECTION IMPROVEMENTS
 CEMETERY ROAD**

SCALE: H: 1"=20' V: 1"=5'
 DATE: 10-05-04

DRAWN BY: CGP
 DESIGNED BY: TPG
 CHECKED BY: BLS



C.A. OF ROADWAY CURVE TABLE	
CURVE NO.	1
RADIUS	200.00'
TANGENT LENGTH	65.20'
ARC LENGTH	128.06'
CHORD LENGTH	123.98'
DELTA	36°08'44"
BEARING	S73°01'05"E
PC STA.	250+67.05
PI STA.	251+30.08
PT STA.	251+93.10



PLAN & PROFILE LEGEND
CEMETERY ROAD

- HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8" 12" AGGREGATE SUBGRADE
- PROPOSED SHARED USE PATH 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 6" AGGREGATE BASE COURSE, TYPE 'B'
- PROPOSED MINOR ACCESS DRIVEWAY 2 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 6" AGGREGATE BASE COURSE, TYPE 'B'
- TYPE B-6.12 COMB. CONC. CURB AND GUTTER (B-6.24 WASHINGTON STREET)
- DEPRESSED SECTION CURB AND GUTTER
- 5" P.C.C. SIDEWALK 6" AGGREGATE BASE COURSE, TYPE 'B'
- CURB RAMPS FOR SIDEWALK DETECTABLE WARNING

PLANS PREPARED BY:
GEWALT HAMILTON
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

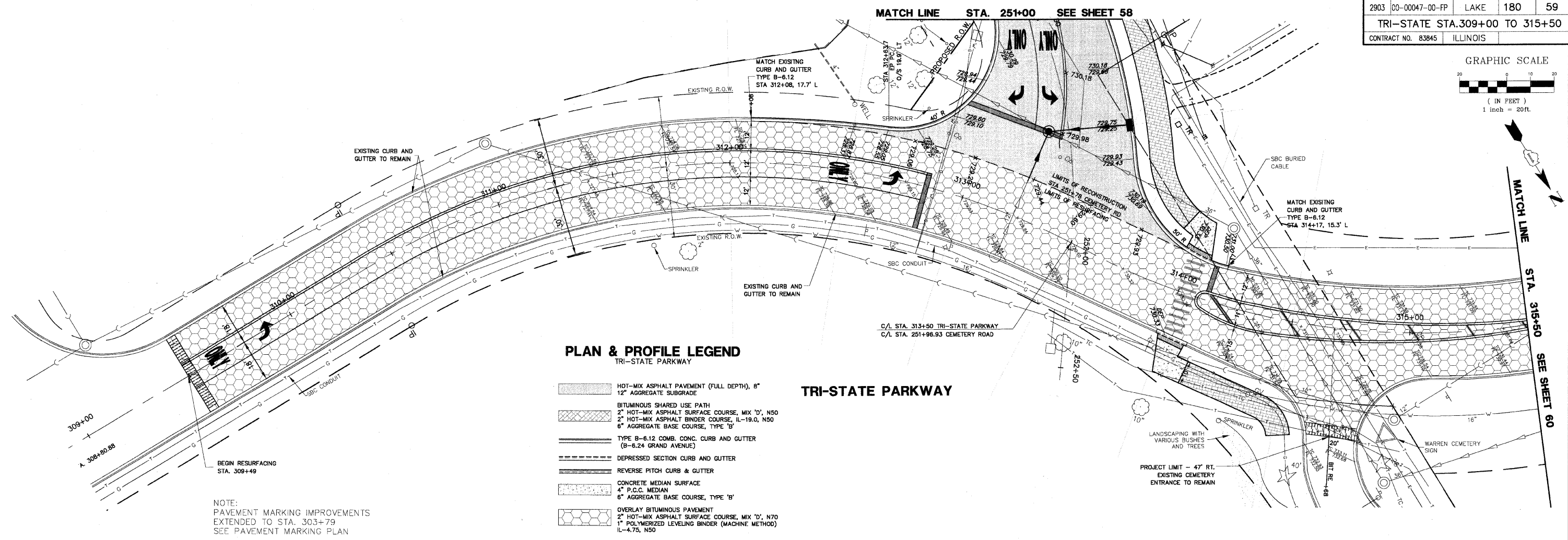
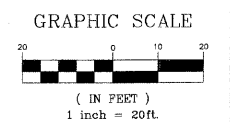
ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

SCALE: H: 1"=20' V: 1"=5'
 DATE: 10-05-04

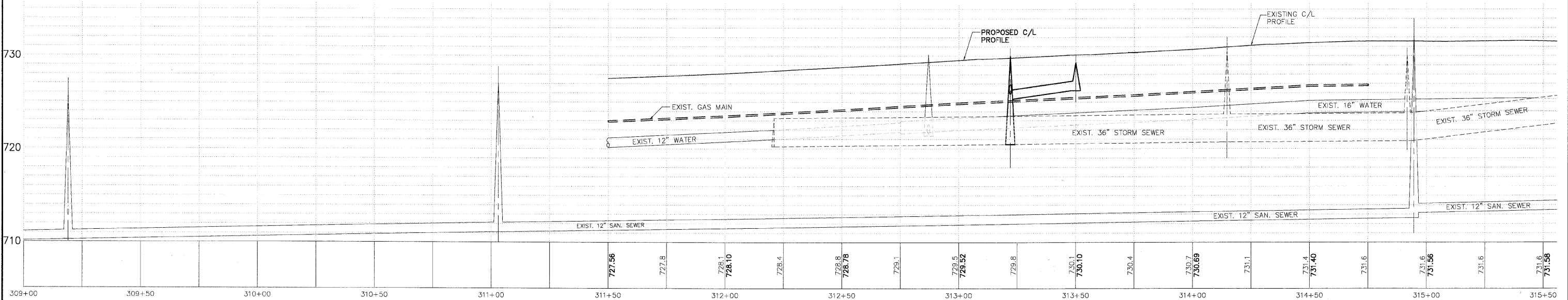
DRAWN BY: CGP
 DESIGNED BY: TPG
 CHECKED BY: BLS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-0047-00-FP	LAKE	180	59
TRI-STATE STA. 309+00 TO 315+50				
CONTRACT NO. 83845 ILLINOIS				



- PLAN & PROFILE LEGEND**
TRI-STATE PARKWAY
- HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8" 12" AGGREGATE SUBGRADE
 - BITUMINOUS SHARED USE PATH
 - 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50
 - 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
 - 6" AGGREGATE BASE COURSE, TYPE 'B'
 - TYPE B-6.12 COMB. CONC. CURB AND GUTTER (B-6.24 GRAND AVENUE)
 - DEPRESSED SECTION CURB AND GUTTER
 - REVERSE PITCH CURB & GUTTER
 - CONCRETE MEDIAN SURFACE
 - 4" P.C.C. MEDIAN
 - 6" AGGREGATE BASE COURSE, TYPE 'B'
 - OVERLAY BITUMINOUS PAVEMENT
 - 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70
 - 1" POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50

NOTE:
PAVEMENT MARKING IMPROVEMENTS
EXTENDED TO STA. 303+79
SEE PAVEMENT MARKING PLAN



PLANS PREPARED BY:
GEWALT HAMILTON
ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Ridge Drive
Warren Hills, IL 60091
(847) 478-9700
(847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

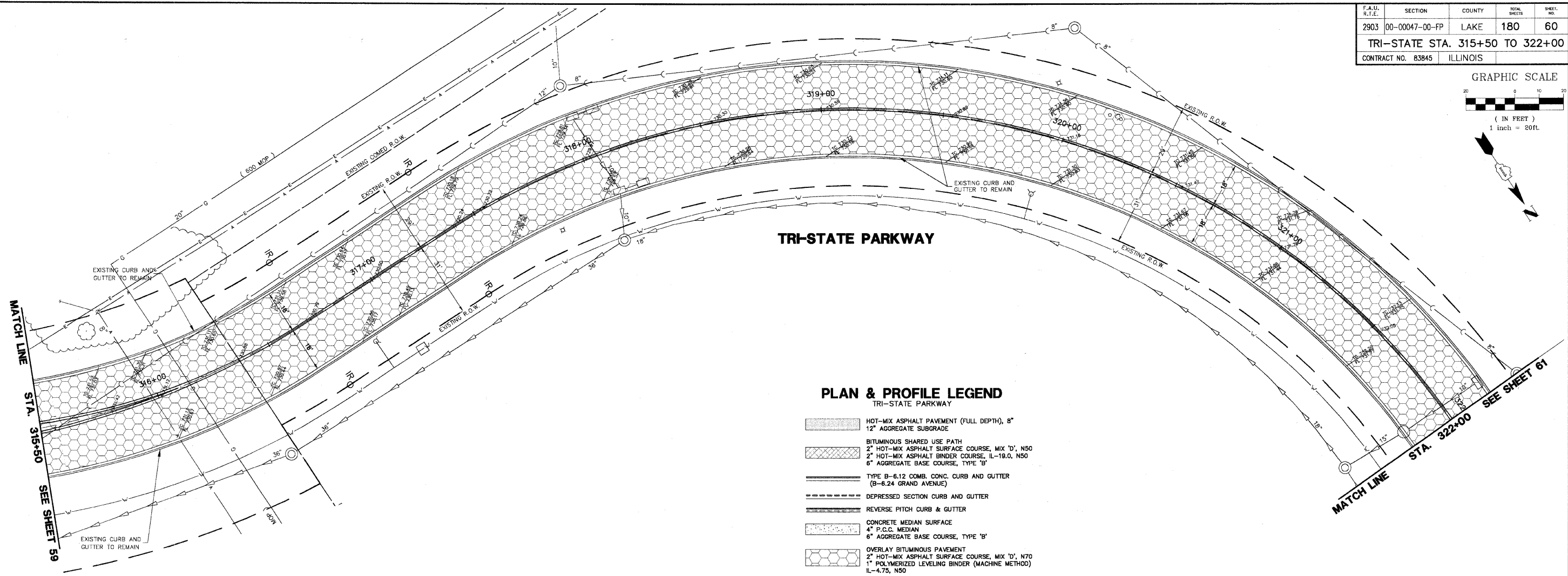
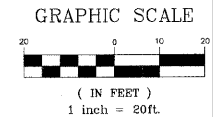
ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
TRI-STATE PARKWAY

SCALE: H: 1"=20' V: 1"=5'
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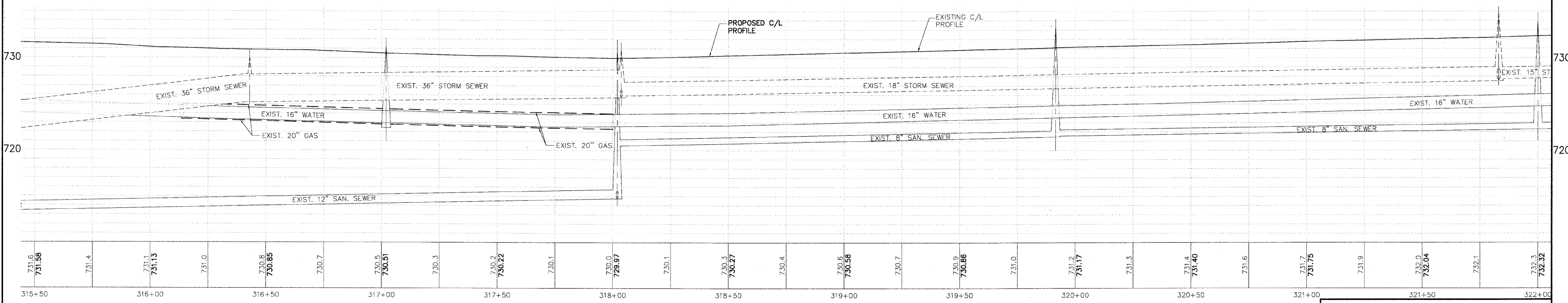
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	60
TRI-STATE STA. 315+50 TO 322+00				
CONTRACT NO. 83845		ILLINOIS		



TRI-STATE PARKWAY

PLAN & PROFILE LEGEND

- TRI-STATE PARKWAY
- HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8" 12" AGGREGATE SUBGRADE
 - BITUMINOUS SHARED USE PATH
 - 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50
 - 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
 - 6" AGGREGATE BASE COURSE, TYPE 'B'
 - TYPE B-6.12 COMB. CONC. CURB AND GUTTER (B-6.24 GRAND AVENUE)
 - DEPRESSED SECTION CURB AND GUTTER
 - REVERSE PITCH CURB & GUTTER
 - CONCRETE MEDIAN SURFACE
 - 4" P.C.C. MEDIAN
 - 6" AGGREGATE BASE COURSE, TYPE 'B'
 - OVERLAY BITUMINOUS PAVEMENT
 - 2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70
 - 1" POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50



731.6	731.4	731.1	731.0	730.8	730.7	730.5	730.3	730.2	730.1	730.0	729.97	730.1	730.3	730.4	730.6	730.7	730.9	731.0	731.2	731.3	731.4	731.6	731.7	731.9	732.0	732.1	732.3
731.58		731.13		730.85		730.51		730.22		730.0	729.97		730.3	730.27	730.56		730.86		731.17		731.40		731.75		732.04		732.52
315+50	316+00	316+50	317+00	317+50	318+00	318+50	319+00	319+50	320+00	320+50	321+00	321+50	322+00														

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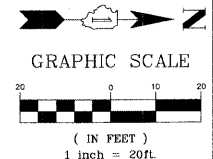
REVISIONS	
NAME	DATE
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PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION

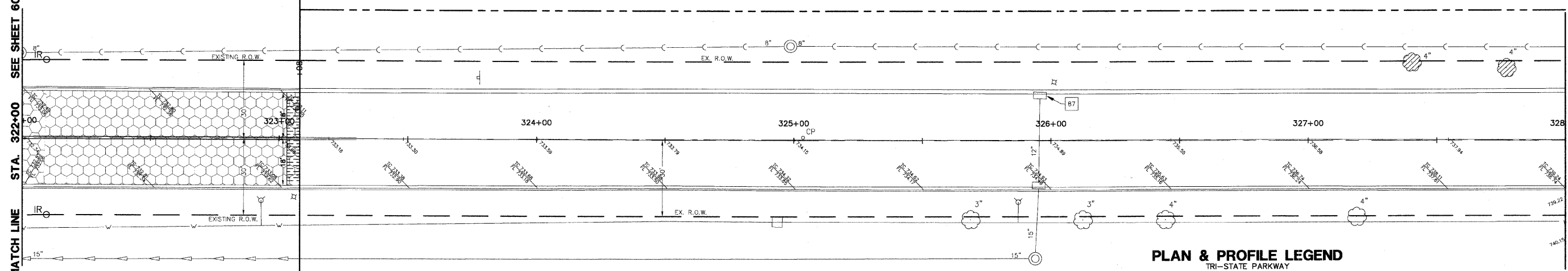
PLAN AND PROFILE
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
TRI-STATE PARKWAY

SCALE: H: 1"=20' V: 1"=5'
 DATE: 10-05-04

DRAWN BY: CGP
 DESIGNED BY: TPG
 CHECKED BY: BLS



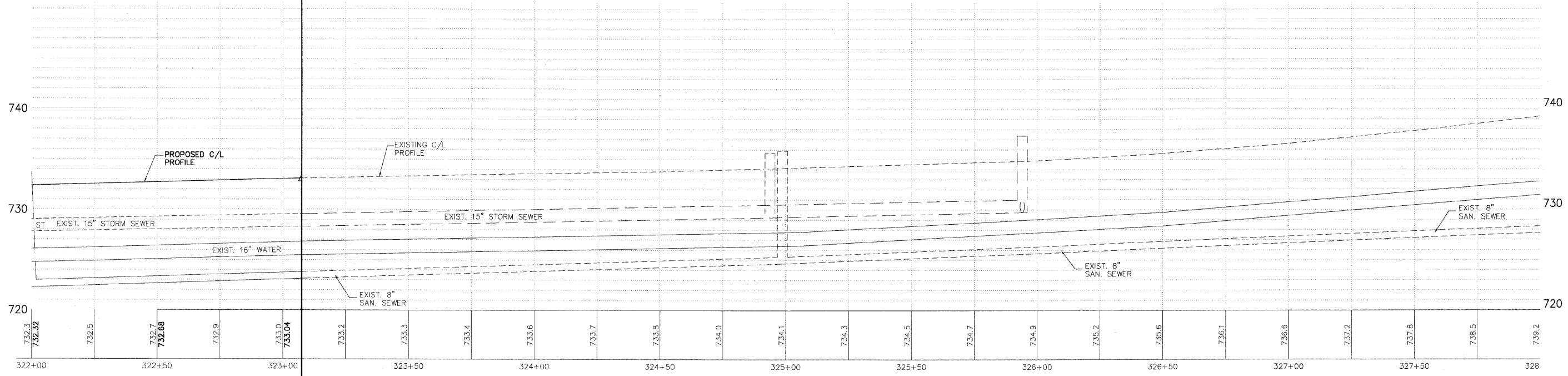
MATCH LINE SEE SHEET 60 STA. 322+00



TRI-STATE PARKWAY

PLAN & PROFILE LEGEND
TRI-STATE PARKWAY

- HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 8"
12" AGGREGATE SUBGRADE
- BITUMINOUS SHARED USE PATH
2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50
2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
6" AGGREGATE BASE COURSE, TYPE 'B'
- TYPE B-6.12 COMB. CONC. CURB AND GUTTER
(B-6.24 GRAND AVENUE)
- DEPRESSED SECTION CURB AND GUTTER
- REVERSE PITCH CURB & GUTTER
- CONCRETE MEDIAN SURFACE
4" P.C.C. MEDIAN
6" AGGREGATE BASE COURSE, TYPE 'B'
- OVERLAY BITUMINOUS PAVEMENT
2" HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N70
1" POLYMERIZED LEVELING BINDER (MACHINE METHOD)
IL-4.75, N50



LIMIT OF STAGE 1 IMPROVEMENTS
STA. 323+08

PLANS PREPARED BY:
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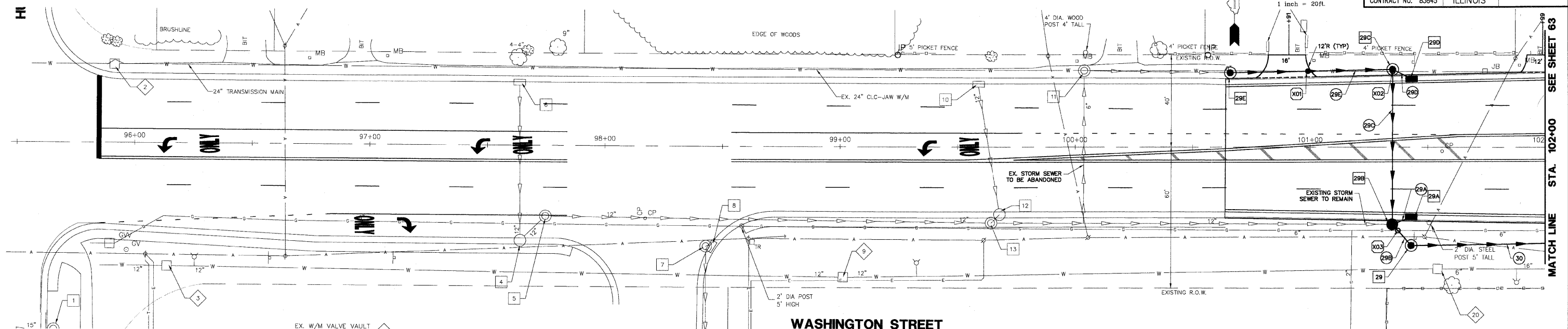
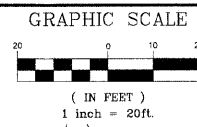
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
TRI-STATE PARKWAY

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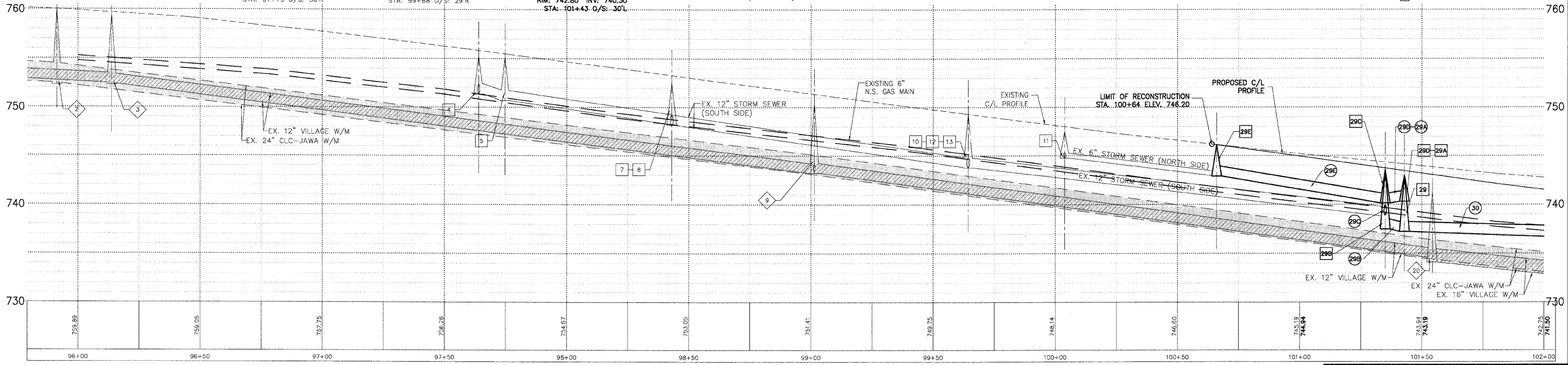


WASHINGTON STREET

- EX. W/M VALVE VAULT
RIM: 759.92 T/P: UNKWN
STA: 95+92 O/S: 34'L
- EX. W/M VALVE VAULT
RIM: 759.43 T/P: 753.38
STA: 96+14 O/S: 52'R
- EX. STORM MANHOLE
RIM: 760.23 INV: 754.98
15" W INV: 755.13
STA: 95+66 O/S: 80'R
- EX. STORM INLET
RIM: 755.26 INV: 751.76
STA: 97+74 O/S: 27'L
- EX. STORM MANHOLE
RIM: 755.09 INV: 750.69
12" SW INV: 750.74
STA: 97+75 O/S: 30'R
- EX. STORM INLET
RIM: 752.29 INV: 749.34
STA: 98+45 O/S: 43'R
- EX. STORM MANHOLE
RIM: 752.44 INV: 748.19
12" S INV: 749.39
STA: 98+43 O/S: 43'R
- EX. W/M VALVE VAULT
RIM: 750.46 T/P: 744.21
6" S T/P: 744.11
STA: 99+01 O/S: 56'R
- EX. STORM INLET
RIM: 748.85 INV: 744.90
6" S INV: 746.25
STA: 99+59 O/S: 27'L
- EX. STORM CATCHBASIN
RIM: 748.65 INV: 744.00
12" NW INV: 744.05
STA: 99+68 O/S: 29'R
- EX. STORM MANHOLE
RIM: 749.32 INV: 743.77
12" NE & W INV: 743.82
STA: 99+64 O/S: 33'R
- EX. STORM MANHOLE
RIM: 747.50 INV: 744.75
6" S INV: 744.80
STA: 100+04 O/S: 33'L
- STORM SEWER MANHOLE
TY 'A' 48" TY 1 FR & CL
RIM: 745.15 INV: 742.90
12" SE INV: 740.14
STA: 101+35 O/S: 34'L
- STORM SEWER INLET
TY 'A' 24" TY 24 FR & GR
RIM: 742.80 INV: 740.30
STA: 101+43 O/S: 30'L
- EX. STORM MANHOLE
RIM: 742.65 INV: 737.49
12" N INV: 738.79
12" NE INV: 740.14
STA: 101+35 O/S: 33'R
- STORM SEWER INLET
TY 'A' 24" TY 24 FR & GR
RIM: 742.80 INV: 740.30
STA: 101+43 O/S: 30'L
- STORM SEWER MANHOLE
TY 'A' 48" TY 1 FR & CL
RIM: 742.96 INV: 737.25
STA: 101+43 O/S: 40'R
- EX. W/M VALVE VAULT
RIM: 741.26 T/P: UNKWN
STA: 101+54 O/S: 52'R

- DRAINAGE & UTILITY PLAN LEGEND**
- 5 EXISTING SANITARY STRUCTURE
 - 9 EXISTING SANITARY SEWER
 - 9 EXISTING WATERMAIN STRUCTURE
 - W EXISTING WATERMAIN
 - 23 EXISTING STORM SEWER STRUCTURE
 - 37 EXISTING STORM SEWER
 - 37 PROPOSED STORM SEWER STRUCTURE
 - 37 PROPOSED STORM SEWER
 - 37A PROPOSED STORM SEWER PIPE
 - 37B PROPOSED STORM SEWER MANHOLE
 - 37C PROPOSED STORM SEWER CATCHBASIN
 - 37D PROPOSED STORM SEWER INLET
 - X05 PROPOSED UTILITY CROSSING

NOTE:
OFFSETS PROVIDED ARE FROM CENTER LINE
TO CENTER LINE OF STRUCTURE.



STORM OVER WATER B/STORM = 741.40 T/WATER = 737.50	X01
STORM OVER WATER B/M. HOLE = 739.60 T/WATER = 736.60	X02
GAS OVER STORM B/GAS = 739.70 T/STORM = 740.20	X03

PLANS PREPARED BY:
GEWALT HAMILTON
ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA 95+50 TO 102+00

PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET

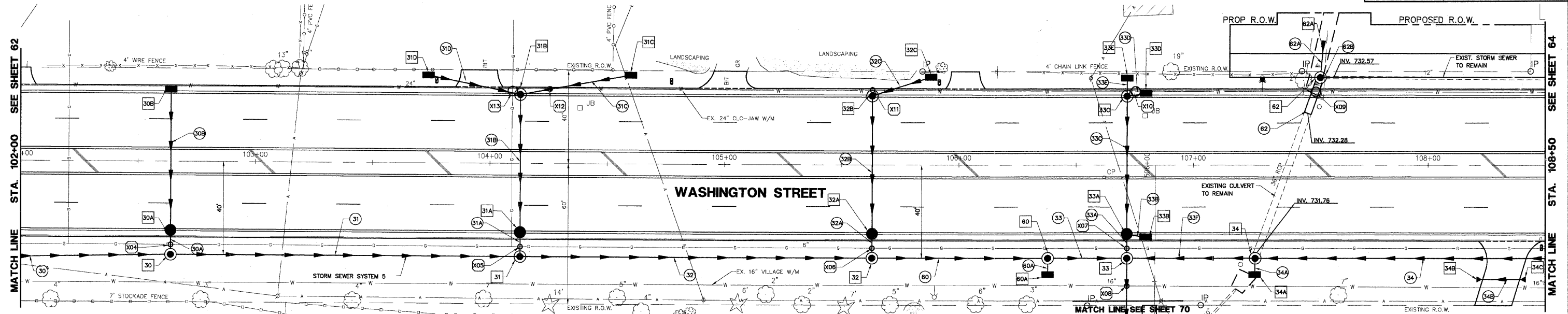
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DATE: 10-05-04

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DESIGNED BY: TPG
CHECKED BY: BLS

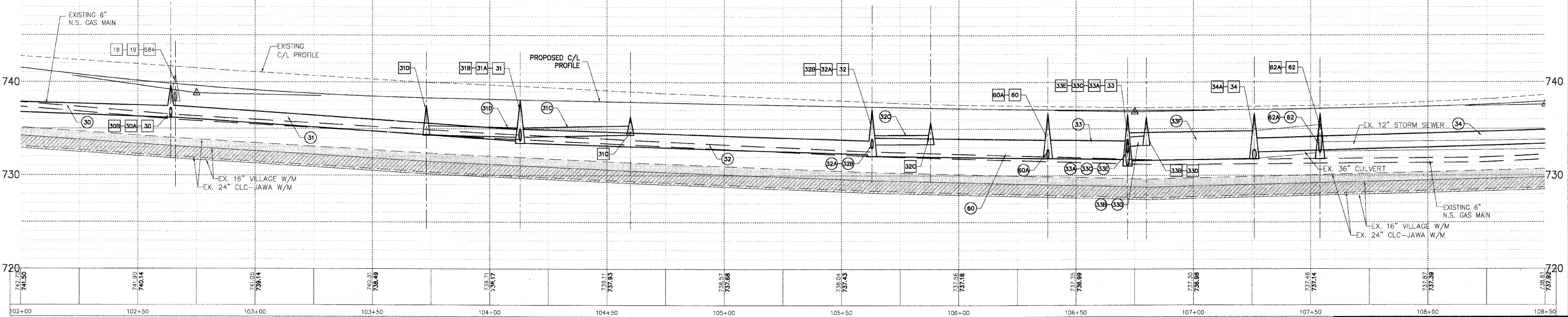
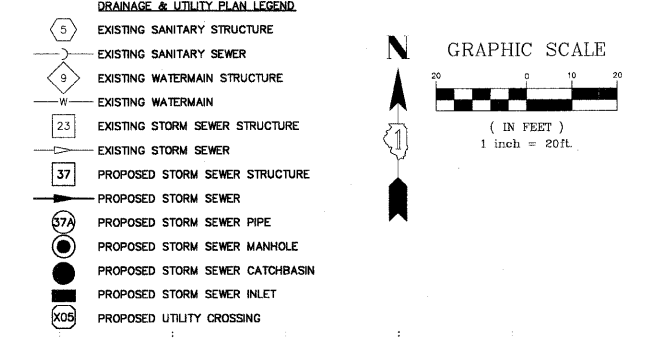
NOTE:
OFFSETS PROVIDED ARE FROM CENTER LINE
TO CENTER LINE OF STRUCTURE.

CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT
THE PROFILE LOW POINTS AT STATIONS 107+50 AND 137+20. RIP
RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS
SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE
PROPOSED AGGREGATE SUBGRADE.
IT IS RECOMMENDED THAT THE PROPOSED CULVERT EXTENSION
WORK IS COMPLETED IN DRY CONDITIONS.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	63
DRAINAGE - STA 102+00 TO 108+50				
CONTRACT NO. 83845 ILLINOIS				



EX. STORM CATCHBASIN RIM: 741.03 INV: 737.78 STA: 102+64 O/S: 22'L TO BE REMOVED	STORM SEWER MANHOLE TY 'A' 48" TY 1 FR & CL RIM: 739.64 INV: 735.22 N INV: 735.47 W INV: 735.52 STA: 102+64 O/S: 40'R	STORM SEWER MANHOLE TY 'A' 48" TY 1 FR & CL RIM: 738.10 INV: 733.18 12" N & W INV: 733.43 12" S INV: 731.93 STA: 104+13 O/S: 40'R	STORM SEWER MANHOLE TY 'A' 60" TY 1 FR & CL RIM: 736.61 E INV: 731.83 18" W INV: 732.33 12" S INV: 731.93 STA: 106+39 O/S: 40'R	STORM SEWER INLET TY 'A' 24" TY 24 FR & GR RIM: 736.24 INV: 732.81 107+26 O/S: 47'R	STORM SEWER INLET TY 'A' 24" TY 24 FR & GR RIM: 734.43 INV: 731.93 107+26 O/S: 47'R	121 LF 12" SS, CL A, TY 1, @ 2.50%, TBF 0.0 CY	75 LF 18" SS, CL A, TY 1, @ 0.60%, TBF 0.0 CY	7 LF 12" SS, CL A, TY 1, @ 1.00%
EX. STORM MANHOLE RIM: 740.80 INV: 737.90 STA: 102+66 O/S: 31'R TO BE REMOVED	STORM SEWER INLET TY 'A' 24" TY 8 GR RIM: 737.15 INV: 734.28 STA: 103+73 O/S: 38'L	STORM SEWER MANHOLE TY 'A' 48" TY 1 FR & CL RIM: 737.09 INV: 732.28 12" N INV: 732.78 STA: 105+63 O/S: 40'R	STORM SEWER INLET TY 'A' 24" TY 8 GR RIM: 734.00 INV: 732.00 STA: 106+38 O/S: 47'R	12" RCP FLARED END SECTION INV: 735.18 108+21 O/S: 49'R	12" RCP FLARED END SECTION INV: 735.26 108+42 O/S: 49'R	62 LF 12" SS, CL A, TY 1, @ 0.50%, TBF 5.0 CY	33 LF 18" SS, CL A, TY 1, @ 0.75%, TBF 0.0 CY	17 LF 12" SS, CL A, TY 1, @ 0.40%
EX. 15" ROP FES INV: 737.40 STA: 102+64 O/S: 40'R TO BE REMOVED	STORM SEWER INLET TY 'A' 24" TY 8 GR RIM: 736.30 INV: 734.32 STA: 104+61 O/S: 38'L	STORM SEWER CATCHBASIN TY 'A' 48" TY 24 FR & CL RIM: 736.64 N&S INV: 732.96 STA: 105+63 O/S: 30'R	STORM SEWER MANHOLE TY 'A' 72" TY 1 FR & CL RIM: 736.51 S INV: 731.00 E&W INV: 731.58 18" N INV: 732.40 STA: 106+72 O/S: 40'R	STORM SEWER MANHOLE TY 'A' 60" TY 1 FR & CL RIM: 737.00 S INV: 732.40 12" E INV: 733.12 36" N INV: 733.02 STA: 107+54 O/S: 38'L	STORM SEWER MANHOLE TY 'A' 60" TY 1 FR & CL RIM: 737.00 S INV: 732.40 12" E INV: 733.12 36" N INV: 733.02 STA: 107+54 O/S: 38'L	149 LF 15" SS, CL A, TY 1, @ 1.20%, TBF 0.0 CY	8 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 0.4 CY	EXISTING SANITARY STRUCTURE
EX. STORM MANHOLE RIM: 739.11 INV: 735.67 STA: 102+64 O/S: 31'L	STORM SEWER INLET TY 'A' 24" TY 8 GR RIM: 739.11 INV: 735.67 STA: 102+64 O/S: 31'L	STORM SEWER MANHOLE TY 'A' 48" TY 24 FR & GR RIM: 737.39 E,W,S INV: 734.08 STA: 104+13 O/S: 31'L	STORM SEWER INLET TY 'A' 24" TY 8 GR RIM: 735.50 INV: 732.90 STA: 106+72 O/S: 37'	STORM SEWER MANHOLE TY 'A' 60" TY 1 FR & CL RIM: 737.00 S INV: 732.40 12" E INV: 733.12 36" N INV: 733.02 STA: 107+54 O/S: 38'L	STORM SEWER MANHOLE TY 'A' 60" TY 1 FR & CL RIM: 737.00 S INV: 732.40 12" E INV: 733.12 36" N INV: 733.02 STA: 107+54 O/S: 38'L	9 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 2.8 CY	8 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 0.4 CY	EXISTING SANITARY SEWER
STORM SEWER CATCH BASIN TY 'A' 48" TY 24 FR & GR RIM: 739.11 N&S INV: 735.56 STA: 102+64 O/S: 32'R	STORM SEWER CATCH BASIN TY 'A' 48" TY 24 FR & GR RIM: 739.11 N&S INV: 735.56 STA: 102+64 O/S: 32'R	STORM SEWER MANHOLE TY 'A' 48" TY 24 FR & GR RIM: 737.39 E,W,S INV: 734.08 STA: 104+13 O/S: 31'L	STORM SEWER INLET TY 'A' 24" TY 8 GR RIM: 735.80 INV: 733.40 STA: 105+89 O/S: 37'L	STORM SEWER MANHOLE TY 'A' 72" TY 1 FR & CL RIM: 736.24 INV: 732.81 107+26 O/S: 47'R	STORM SEWER MANHOLE TY 'A' 72" TY 1 FR & CL RIM: 736.24 INV: 732.81 107+26 O/S: 47'R	62 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 5.1 CY	8 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 0.4 CY	EXISTING WATERMAIN STRUCTURE
				36" RCP FLARED END SECTION INV: 733.10 STA: 107+55 O/S: 53'L	36" RCP FLARED END SECTION INV: 733.10 STA: 107+55 O/S: 53'L	47 LF 12" SS, CL A, TY 1, @ 0.50%, TBF 7.4 CY	8 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 1.6 CY	EXISTING WATERMAIN
						40 LF 12" SS, CL A, TY 1, @ 0.50%, TBF 8.2 CY	54 LF 36" SS, CL A, TY 1, @ 0.33%, TBF 0.0 CY	EXISTING STORM SEWER STRUCTURE
						150 LF 18" SS, CL A, TY 1, @ 0.60%, TBF 0.0 CY	7 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 0.0 CY	EXISTING STORM SEWER
						9 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 2.7 CY	127 LF 18" SS, CL A, TY 1, @ 0.83%, TBF 0.0 CY	PROPOSED STORM SEWER STRUCTURE
						62 LF 12" SS, CL A, TY 1, @ 0.50%, TBF 5.7 CY	16 LF 36" SS, CL A, TY 1, @ 0.75%, TBF 1.3 CY	PROPOSED STORM SEWER
						26 LF 12" SS, CL A, TY 1, @ 0.50%, TBF 4.8 CY	8 LF 36" SS, CL A, TY 1, @ 1.00%, TBF 1.8 CY	PROPOSED STORM SEWER PIPE
								PROPOSED STORM SEWER MANHOLE
								PROPOSED STORM SEWER CATCHBASIN
								PROPOSED STORM SEWER INLET
								PROPOSED UTILITY CROSSING

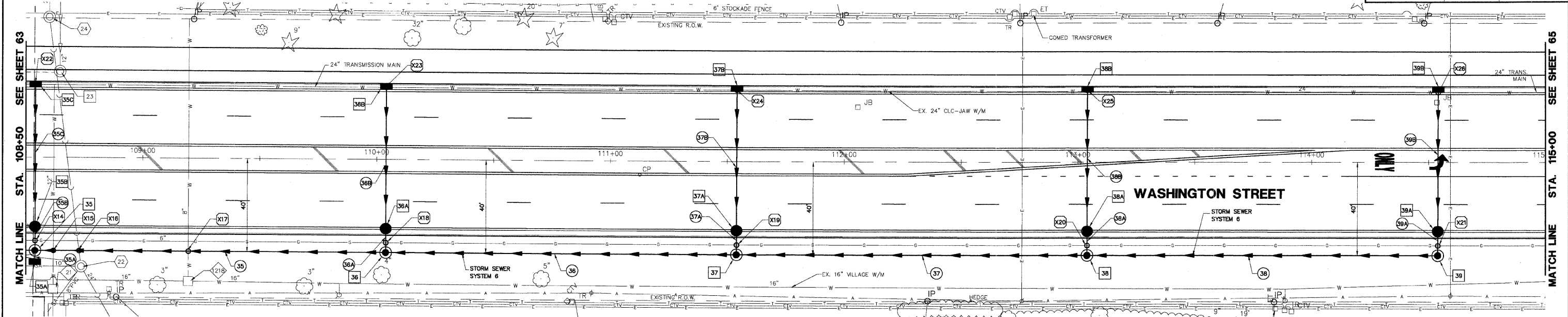


GAS OVER STORM B/GAS = 737.60 T/STORM = 736.90	WATER OVER STORM B/STORM = 730.71 T/WATER = 728.80	STORM OVER WATER B/STORM = 733.90 T/WATER = 731.70
GAS OVER STORM B/GAS = 735.80 T/STORM = 734.80	STORM OVER WATER B/STORM = 732.00 T/WATER = 730.00	STORM OVER GAS & WATER B/STORM = 733.90 T/GAS = 732.90 T/WATER = 731.90
GAS OVER STORM B/GAS = 735.10 T/STORM = 734.20	STORM MH & INLET OVER WATER B/STORM = 732.10 T/WATER = 730.10	
STORM OVER GAS B/STORM = 732.25 T/GAS = 731.25	STORM MH OVER WATER B/STORM MH = 732.90 T/WATER = 730.90	

PLANS PREPARED BY:
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA 102+00 TO 108+50
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET
SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS



<p>STORM SEWER MANHOLE TY 'A' 48" TY 1 FR & CL RIM: 737.31 INV: 733.55 12" N/S INV: 733.65 15" E INV: 733.80 STA: 108+54 O/S: 40'R</p> <p>STORM SEWER INLET TY 'A' 24" TY 8 GR RIM: 736.00 INV: 733.80 STA: 108+54 O/S: 47'R</p> <p>STORM SEWER CATCHBASIN TY 'A' 48" TY 24 FR & GR RIM: 737.26 INV: 733.75 STA: 108+54 O/S: 30'R</p> <p>STORM SEWER INLET TY 'A' 24" TY 24 FR & GR RIM: 737.26 INV: 734.37 STA: 108+54 O/S: 31'L</p>	<p>STORM SEWER MANHOLE TY 'A' 48" TY 1 FR & CL RIM: 741.05 INV: 736.20 12" N/E INV: 736.36 12" N/E INV: 736.36 STA: 110+04 O/S: 40'R</p> <p>STORM SEWER CATCHBASIN TY 'A' 48" TY 24 FR & GR RIM: 740.71 INV: 736.45 STA: 110+04 O/S: 30'R</p> <p>STORM SEWER INLET TY 'A' 24" TY 24 FR & GR RIM: 740.71 INV: 737.07 STA: 110+04 O/S: 31'L</p> <p>STORM SEWER MANHOLE TY 'A' 48" TY 1 FR & CL RIM: 745.23 INV: 745.54 STA: 113+04 O/S: 40'R</p> <p>STORM SEWER INLET TY 'A' 48" TY 1 FR & CL RIM: 746.28 INV: 741.31 12" N/E INV: 741.40 STA: 111+54 O/S: 40'R</p>	<p>STORM SEWER CATCHBASIN TY 'A' 48" TY 24 FR & GR RIM: 745.52 INV: 741.50 STA: 111+54 O/S: 30'R</p> <p>STORM SEWER INLET TY 'A' 24" TY 24 FR & GR RIM: 745.52 INV: 742.12 STA: 111+54 O/S: 31'L</p> <p>STORM SEWER MANHOLE TY 'A' 48" TY 1 FR & CL RIM: 751.23 INV: 745.54 STA: 113+04 O/S: 40'R</p> <p>STORM SEWER CATCHBASIN TY 'A' 48" TY 24 FR & GR RIM: 750.47 INV: 746.27 STA: 114+54 O/S: 40'R</p> <p>STORM SEWER INLET TY 'A' 24" TY 24 FR & GR RIM: 750.47 INV: 745.65 STA: 113+04 O/S: 30'R</p> <p>STORM SEWER CATCHBASIN TY 'A' 48" TY 24 FR & GR RIM: 754.68 INV: 749.70 STA: 114+54 O/S: 30'R</p> <p>STORM SEWER INLET TY 'A' 24" TY 24 FR & GR RIM: 754.68 INV: 750.32 STA: 114+54 O/S: 32'L</p>	<p>EX. WATERMAIN VALVE VAULT RIM: 736.46 T/W/M: 729.86 STA: 108+62 O/S: 57'R</p> <p>EX. WATERMAIN VALVE VAULT RIM: 737.74 T/W/M: 730.39 STA: 109+20 O/S: 53'R</p> <p>EX. SANITARY MANHOLE RIM: 724.37 SW INV: 727.27 STA: 108+74 O/S: 47'R</p> <p>EX. SANITARY MANHOLE RIM: 735.84 INV: 724.19 24" N INV: 724.24 STA: 108+60 O/S: 60'L</p> <p>EX. STORM MANHOLE RIM: 737.38 INV: 732.83 12" N INV: 732.88 108+64 O/S: 37'L</p>
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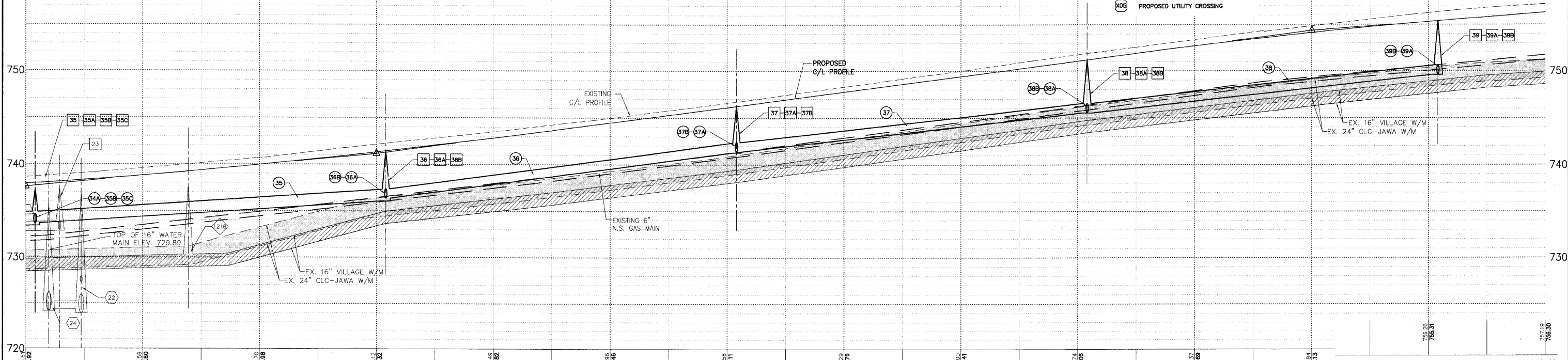
<p>55A 5 LF 12" SS, CL A, TY 1, @ 3.00%, TBF 0.9 CY</p> <p>55B 9 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 1.3 CY</p> <p>55C 62 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 3.7 CY</p> <p>56 150 LF 15" SS, CL A, TY 1, @ 1.60%, TBF 0.0 CY</p> <p>56A 9 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 3.2 CY</p> <p>56B 62 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 8.7 CY</p> <p>56C 150 LF 12" SS, CL A, TY 1, @ 3.30%, TBF 0.0 CY</p> <p>57A 9 LF 12" SS, CL A, TY 1, @ 1.11%, TBF 3.1 CY</p> <p>57B 62 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 7.0 CY</p>	<p>57 150 LF 12" SS, CL A, TY 1, @ 2.76%, TBF 65.3 CY</p> <p>58A 9 LF 12" SS, CL A, TY 1, @ 1.22%, TBF 3.9 CY</p> <p>58B 62 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 12.2 CY</p> <p>58C 150 LF 12" SS, CL A, TY 1, @ 2.70%, TBF 65.9 CY</p> <p>59A 10 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 4.1 CY</p> <p>59B 62 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 13.2 CY</p>
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DRAINAGE & UTILITY PLAN LEGEND

- EXISTING SANITARY STRUCTURE
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN STRUCTURE
- EXISTING WATERMAIN
- EXISTING STORM SEWER STRUCTURE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER STRUCTURE
- PROPOSED STORM SEWER
- PROPOSED STORM SEWER PIPE
- PROPOSED STORM SEWER MANHOLE
- PROPOSED STORM SEWER CATCHBASIN
- PROPOSED STORM SEWER INLET
- PROPOSED UTILITY CROSSING

GRAPHIC SCALE
(IN FEET)
1 inch = 20' L

NOTE:
OFFSETS PROVIDED ARE FROM CENTER LINE TO CENTER LINE OF STRUCTURE.



<p>STORM OVER GAS B/STORM = 733.50 T/GAS = 732.50</p> <p>STORM OVER WATER B/STORM = 733.70 T/WATER = 731.90</p> <p>STORM OVER SANITARY B/STORM = 733.90 T/SANITARY = 726.50</p>	<p>STORM OVER WATER B/STORM = 734.65 T/WATER = 732.65</p> <p>GAS OVER STORM B/GAS = 738.80 T/STORM = 737.80</p> <p>GAS OVER STORM B/GAS = 743.80 T/STORM = 742.80</p>	<p>GAS OVER STORM B/GAS = 747.95 T/STORM = 746.95</p> <p>GAS OVER STORM B/GAS = 752.00 T/STORM = 751.00</p> <p>INLET OVER WATER B/INLET = 743.70 T/WATER = 731.70</p>	<p>INLET OVER WATER B/INLET = 736.40 T/WATER = 734.40</p> <p>INLET OVER WATER B/INLET = 741.90 T/WATER = 739.90</p> <p>INLET OVER WATER B/INLET = 745.55 T/WATER = 743.55</p>	<p>INLET OVER WATER B/INLET = 749.60 T/WATER = 747.60</p> <p>INLET OVER WATER B/INLET = 749.60 T/WATER = 749.60</p> <p>INLET OVER WATER B/INLET = 749.60 T/WATER = 749.60</p>
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ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA 108+50 TO 115+00

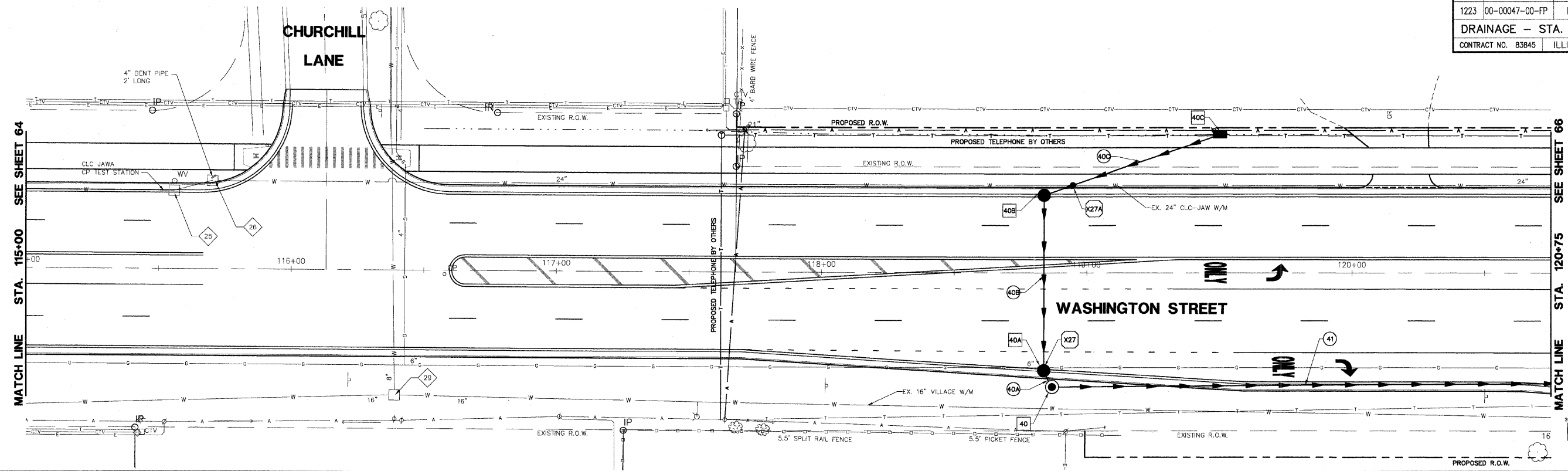
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS



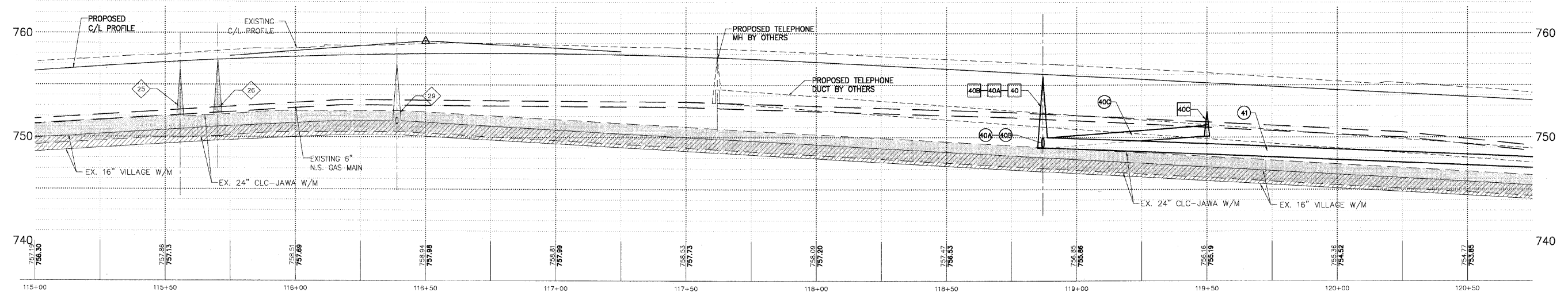
- ADJUST**
- EX. WATERMAIN VAULT (JAWA)
RIM: 756.44 T/W/M: 751.94 (30")
STA: 115+56 O/S: 29'L
 - ADJUST**
 - EX. WATERMAIN VAULT (JAWA)
RIM: 757.37 T/W/M: UNKN
STA: 115+70 O/S: 33'L
 - EX. WATERMAIN VALVE VAULT
RIM: 756.97 T/W/M: 751.22
12" E/W T/W/M: 752.52
STA: 116+39 O/S: 47'R
 - EX. STORM INLET
RIM: 754.14 INV: 750.39
STA: 119+02 O/S: 29'L
TO BE REMOVED

- STORM SEWER INLET
TY 'A' 24" TY 8 FR & GR
RIM: 752.45 INV: 750.10
STA: 119+00 O/S: 50'L
- STORM SEWER CATCHBASIN
TY 'A' 48" TY 24 FR & GR
RIM: 755.35 INV: 749.75
STA: 118+84 O/S: 32'L
- STORM SEWER CATCHBASIN
TY 'A' 48" TY 24 FR & GR
RIM: 755.21 INV: 749.05
STA: 118+84 O/S: 38'R
- STORM SEWER MANHOLE
TY 'A' 48" TY 1 FR & CL
RIM: 755.80 INV: 748.99
STA: 118+87 O/S: 43'R

- 40C 70 LF 12" SS, PVC SDR 26, @ 0.5%, TBF 10.5 CY
- 40B 70 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 10.5 CY
- 40A 6 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 2.5 CY
- 41 210 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 61.9 CY

NOTE:
OFFSETS PROVIDED ARE FROM CENTER LINE
TO CENTER LINE OF STRUCTURE.

- DRAINAGE & UTILITY PLAN LEGEND**
- EXISTING SANITARY STRUCTURE
 - EXISTING SANITARY SEWER
 - EXISTING WATERMAIN STRUCTURE
 - EXISTING WATERMAIN
 - EXISTING STORM SEWER STRUCTURE
 - EXISTING STORM SEWER
 - PROPOSED STORM SEWER STRUCTURE
 - PROPOSED STORM SEWER
 - PROPOSED STORM SEWER PIPE
 - PROPOSED STORM SEWER MANHOLE
 - PROPOSED STORM SEWER CATCHBASIN
 - PROPOSED STORM SEWER INLET
 - PROPOSED UTILITY CROSSING



GAS OVER STORM
B/GAS = 752.90
T/STORM = 751.90

STORM OVER WATER
B/STORM = 749.68
T/W/M = 748.90

PLANS PREPARED BY:
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REVISIONS	
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REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA. 115+00 TO 120+75

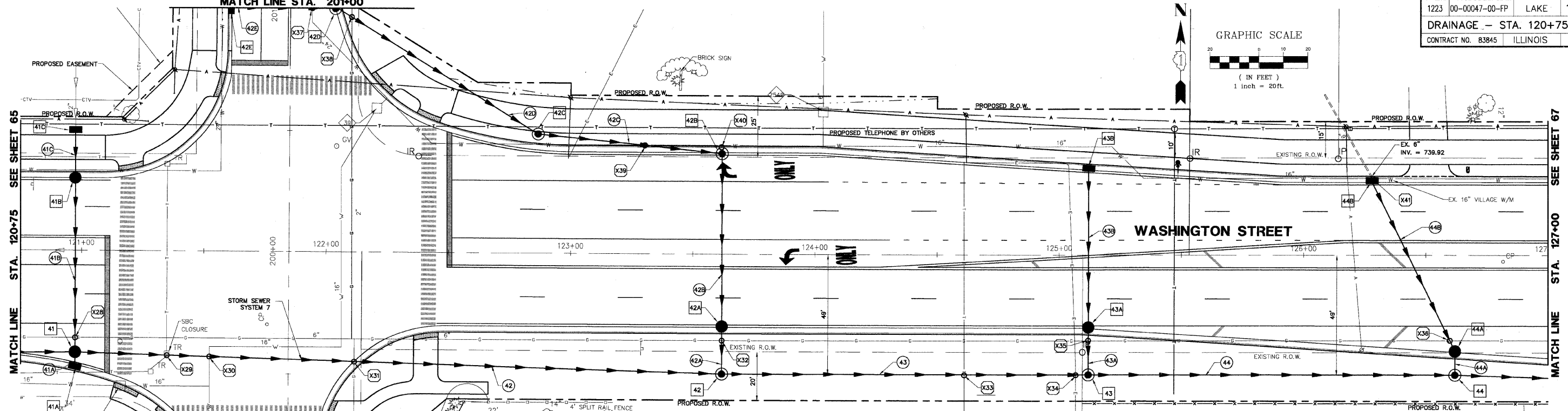
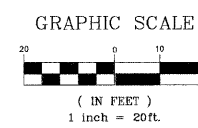
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET

SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

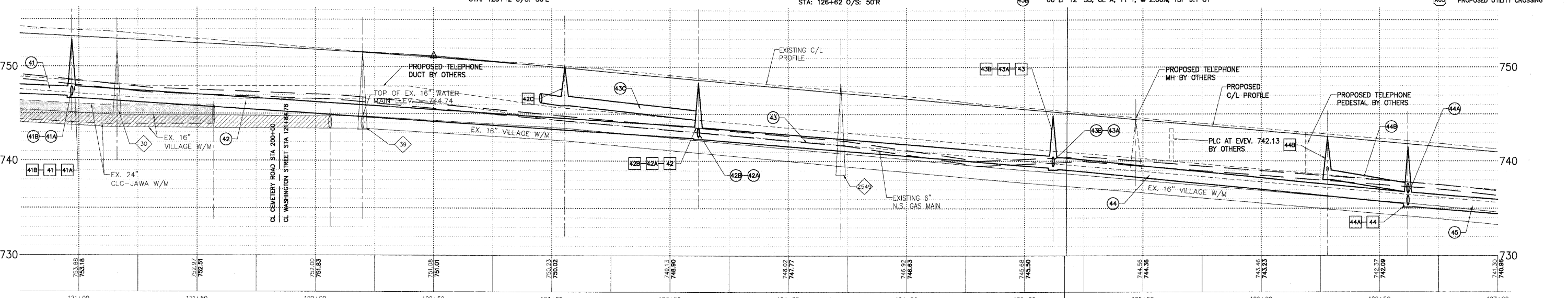
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

**CEMETERY ROAD
MATCH LINE STA. 201+00**

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	66
DRAINAGE - STA. 120+75 TO 127+00				
CONTRACT NO. 83845 ILLINOIS				



- DRAINAGE & UTILITY PLAN LEGEND**
- 5 EXISTING SANITARY STRUCTURE
 - 6 EXISTING SANITARY SEWER
 - 9 EXISTING WATERMAIN STRUCTURE
 - 10 EXISTING WATERMAIN
 - 23 EXISTING STORM SEWER STRUCTURE
 - 37 EXISTING STORM SEWER
 - 37A PROPOSED STORM SEWER STRUCTURE
 - 37B PROPOSED STORM SEWER
 - 37C PROPOSED STORM SEWER PIPE
 - 37D PROPOSED STORM SEWER MANHOLE
 - 37E PROPOSED STORM SEWER CATCHBASIN
 - 37F PROPOSED STORM SEWER INLET
 - 37G PROPOSED UTILITY CROSSING
- STORM SEWER INLET**
 TY 'A' 24" TY 1 FR & GR
 RIM: 752.20 INV: 748.52
 STA: 120+97 O/S: 50'L
- STORM SEWER INLET**
 TY 'A' 24" TY 24 FR & GR
 RIM: 752.18 INV: 747.01
 STA: 120+97 O/S: 47'R
- STORM SEWER INLET**
 TY 'A' 24" TY 23 FR & GR
 RIM: 751.06 INV: 748.73
 STA: 121+61 O/S: 99'L
- STORM SEWER MANHOLE**
 TY 'A' 48" TY 1 FR & CL
 RIM: 750.11 INV: 745.91
 STA: 122+87 O/S: 49'L
- STORM SEWER MANHOLE**
 TY 'A' 48" TY 23 FR & GR
 RIM: 751.18 INV: 747.83
 STA: 122+04 O/S: 99'L
- STORM SEWER MANHOLE**
 TY 'A' 48" TY 1 FR & CL
 RIM: 744.40 INV: 741.15
 STA: 125+12 O/S: 36'L
- STORM SEWER MANHOLE**
 TY 'A' 48" TY 24 FR & GR
 RIM: 747.67 INV: 744.39
 STA: 123+62 O/S: 43'L
- STORM SEWER CATCHBASIN**
 TY 'A' 48" TY 24 FR & GR
 RIM: 747.91 INV: 742.93
 STA: 123+62 O/S: 31'R
- STORM SEWER MANHOLE**
 TY 'A' 48" TY 8 GR
 RIM: 748.37 INV: 741.34
 12" N INV: 741.59
 12" N INV: 742.55
 STA: 123+62 O/S: 49'R
- STORM SEWER INLET**
 TY 'A' 24" TY 24 FR & GR
 RIM: 744.40 INV: 741.15
 STA: 125+12 O/S: 30'R
- STORM SEWER MANHOLE**
 TY 'A' 48" TY 8 FR & CL
 RIM: 744.50 INV: 739.83
 12" N INV: 736.32
 STA: 126+62 O/S: 50'R
- STORM SEWER INLET**
 TY 'A' 48" TY 8 GR
 RIM: 744.85 INV: 738.34
 12" N INV: 739.45
 STA: 125+12 O/S: 49'R
- STORM SEWER INLET**
 TY 'A' 24" TY 24 FR & GR
 RIM: 741.67 INV: 738.06
 EX. 6" NW INV: 739.92
 STA: 126+28 O/S: 31'L
- STORM SEWER CATCHBASIN**
 TY 'A' 48" TY 8 FR & CL
 RIM: 739.90 INV: 736.50
 STA: 126+62 O/S: 39'R
- STORM SEWER MANHOLE**
 TY 'A' 48" TY 8 FR & CL
 RIM: 740.40 INV: 735.34
 12" N INV: 736.32
 STA: 126+62 O/S: 50'R
- 19 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 4.6 CY**
- 72 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 16.5 CY**
- 6 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 1.7 CY**
- 265 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 97.0 CY**
- 42 LF 12" SS, CL A, TY 1, @ 2.14%, TBF 2.3 CY**
- 97 LF 12" SS, CL A, TY 1, @ 1.98%, TBF 21.7 CY**
- 76 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 20.7 CY**
- 73 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 11.4 CY**
- 19 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 8.5 CY**
- 150 LF 15" SS, CL A, TY 1, @ 2.00%, TBF 96.0 CY**
- 66 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 9.1 CY**
- 19 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 7.8 CY**
- 150 LF 15" SS, CL A, TY 1, @ 2.00%, TBF 88.6 CY**
- 78 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 10.7 CY**
- 9 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 7.3 CY**



GAS OVER STORM B/GAS = 749.10 T/STORM = 748.40	GAS OVER STORM B/GAS = 749.50 T/STORM = 744.20	GAS OVER STORM B/GAS = 738.90 T/STORM = 737.90	STORM MH OVER WATER B/STORM = 743.70 T/WATER = 741.70
SBC OVER WATER	TELEPHONE OVER STORM	STORM OVER EX. WATER B/STORM: 747.70 T/WATER: 745.70	INLET OVER WATER B/INLET = 737.40 T/WATER = 735.40
STORM OVER WATER B/STORM = 745.60 T/WATER = 743.60	ELECTRIC OVER STORM	STORM OVER GAS B/STORM = 747.50 T/GAS = 746.50	
GAS OVER STORM B/GAS = 747.80 T/STORM = 746.00	GAS OVER STORM B/GAS = 742.10 T/STORM = 741.10	STORM OVER WATER B/STORM = 744.70 T/WATER = 742.70	

PLANS PREPARED BY:
GEWALT HAMILTON
 ASSOCIATES, INC.
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA. 120+75 TO 127+00
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET

SCALE: H: 1"=20' V: 1"=5'
 DATE: 10-05-04

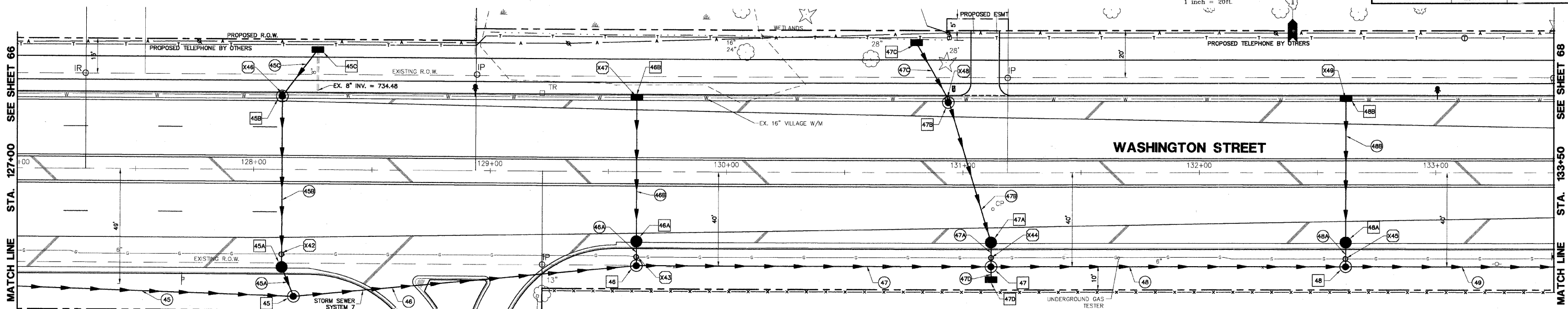
DRAWN BY: CGP
 DESIGNED BY: TPG
 CHECKED BY: BLS

GRAPHIC SCALE



(IN FEET)
1 inch = 20ft.

F.A.D. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	67
DRAINAGE - STA. 127+00 TO 133+50				
CONTRACT NO. 83845 ILLINOIS				



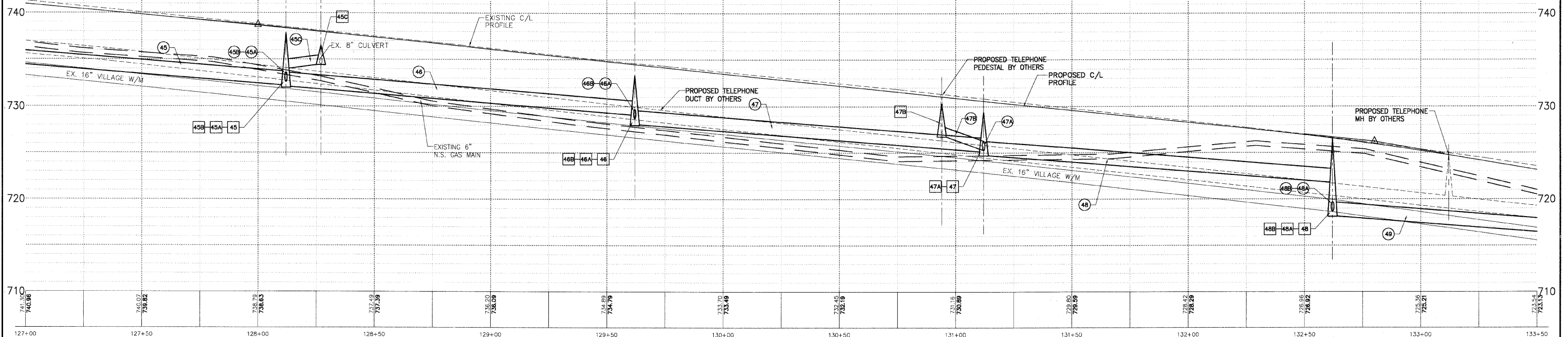
- STORM SEWER MANHOLE**
TY 'A' 48" TY 1 FR & CL
RIM: 733.32 INV: 728.59
12" N INV: 728.72
STA: 129+62 O/S: 41'R
- STORM SEWER CATCHBASIN**
TY 'A' 48" TY 24 FR & GR
RIM: 729.86 INV: 725.45
STA: 131+12 O/S: 31'R
- STORM SEWER INLET**
TY 'A' 24" TY 24 FR & GR
RIM: 733.76 INV: 730.14
STA: 129+62 O/S: 31'L
- STORM SEWER MANHOLE**
TY 'A' 48" TY 1 FR & CL
RIM: 726.57 INV: 718.20
18" W INV: 720.84
12" N INV: 718.70
STA: 132+62 O/S: 47'L
- STORM SEWER CATCHBASIN**
TY 'A' 48" TY 24 FR & GR
RIM: 725.83 INV: 718.88
STA: 132+62 O/S: 31'R
- STORM SEWER INLET**
TY 'A' 24" TY 24 FR & GR
RIM: 727.60 INV: 725.10
STA: 131+12 O/S: 47'R
- STORM SEWER MANHOLE**
TY 'A' 48" TY 1 FR & CL
RIM: 736.00 INV: 732.24
12" N INV: 732.56
STA: 128+17 O/S: 54'R
- STORM SEWER INLET**
TY 'A' 24" TY 1 FR & OL
RIM: 735.90 INV: 733.61
EX. 8" N INV: 734.48
STA: 128+27 O/S: 50'L
- STORM SEWER MANHOLE**
TY 'A' 48" TY 24 FR & GR
RIM: 737.62 INV: 733.41
STA: 128+12 O/S: 31'L
- STORM SEWER CATCHBASIN**
TY 'A' 48" TY 24 FR & GR
RIM: 737.38 INV: 732.66
STA: 128+12 O/S: 42'R
- STORM SEWER INLET**
TY 'A' 24" TY 8 GR
RIM: 729.70 INV: 727.29
STA: 130+80 O/S: 54'L
- STORM SEWER MANHOLE**
TY 'A' 48" TY 24 FR & GR
RIM: 730.33 INV: 726.73
STA: 130+94 O/S: 30'L
- STORM SEWER CATCHBASIN**
TY 'A' 48" TY 24 FR & GR
RIM: 725.83 INV: 718.88
STA: 132+62 O/S: 31'R
- STORM SEWER MANHOLE**
TY 'A' 48" TY 1 FR & CL
RIM: 726.57 INV: 718.20
18" W INV: 720.84
12" N INV: 718.70
STA: 132+62 O/S: 47'L
- STORM SEWER INLET**
TY 'A' 24" TY 8 GR
RIM: 727.60 INV: 725.10
STA: 131+12 O/S: 47'R
- STORM SEWER MANHOLE**
TY 'A' 48" TY 1 FR & CL
RIM: 726.57 INV: 718.20
18" W INV: 720.84
12" N INV: 718.70
STA: 132+62 O/S: 47'L
- STORM SEWER CATCHBASIN**
TY 'A' 48" TY 24 FR & GR
RIM: 725.83 INV: 718.88
STA: 132+62 O/S: 31'R
- STORM SEWER INLET**
TY 'A' 24" TY 8 GR
RIM: 727.60 INV: 725.10
STA: 131+12 O/S: 47'R

NOTE:
OFFSETS PROVIDED ARE FROM CENTER LINE
TO CENTER LINE OF STRUCTURE.

DRAINAGE & UTILITY PLAN LEGEND

(5)	EXISTING SANITARY STRUCTURE
(9)	EXISTING SANITARY SEWER
(W)	EXISTING WATERMAIN STRUCTURE
(W)	EXISTING WATERMAIN
(2.5)	EXISTING STORM SEWER STRUCTURE
(S)	EXISTING STORM SEWER
(37)	PROPOSED STORM SEWER STRUCTURE
(S)	PROPOSED STORM SEWER
(S7A)	PROPOSED STORM SEWER PIPE
(M)	PROPOSED STORM SEWER MANHOLE
(C)	PROPOSED STORM SEWER CATCHBASIN
(I)	PROPOSED STORM SEWER INLET
(X)	PROPOSED UTILITY CROSSING

- (45) 155 LF 15" SS, CL A, TY 1, @ 2.00%, TBF 79.4 CY
- (45C) 26 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 5.8 CY
- (45B) 74 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 12.3 CY
- (45A) 10 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 7.3 CY
- (46) 150 LF 15" SS, CL A, TY 1, @ 2.50%, TBF 66.5 CY
- (46B) 62 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 10.4 CY
- (46A) 9 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 3.4 CY
- (47) 150 LF 15" SS, CL A, TY 1, @ 3.00%, TBF 65.1 CY
- (47C) 28 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 4.0 CY
- (47B) 64 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 9.2 CY
- (47D) 5 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 1.2 CY
- (47A) 9 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 3.0 CY
- (48) 150 LF 18" SS, CL A, TY 1, @ 2.00%, TBF 78.3 CY
- (48B) 62 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 24.0 CY
- (48A) 9 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 5.9 CY
- (49) 143 LF 18" SS, CL A, TY 1, @ 2.41%, TBF 100.0 CY

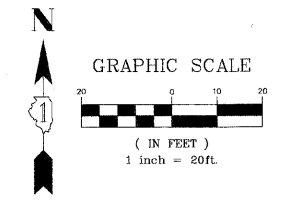
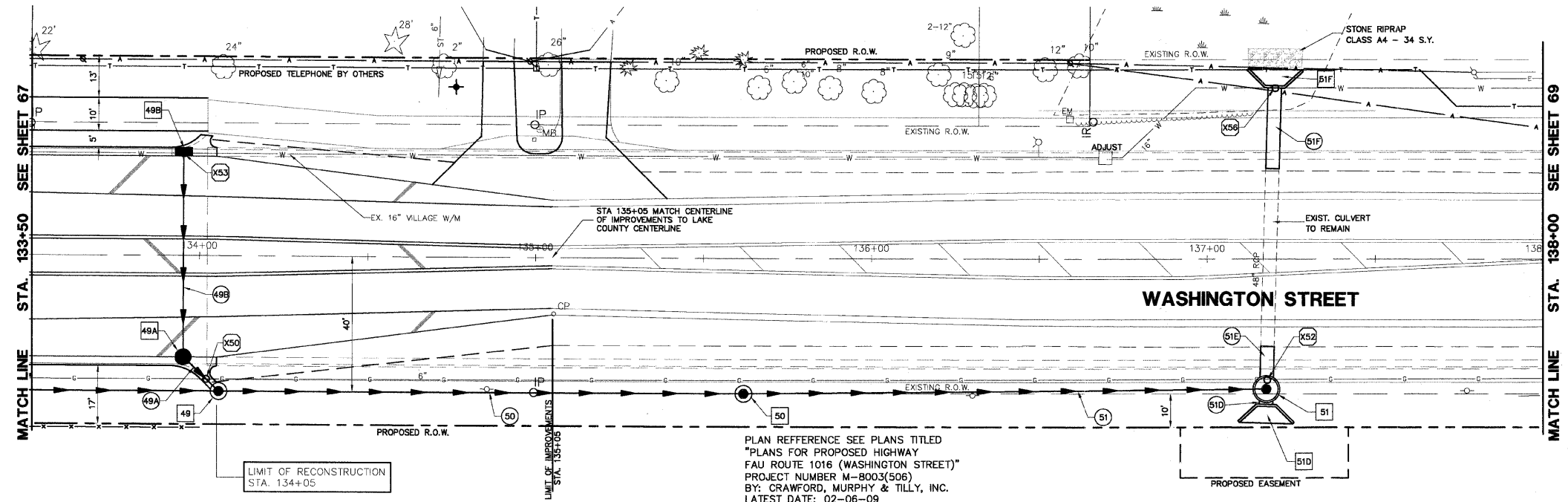


GAS OVER STORM B/GAS = 735.00 T/STORM = 734.05	(X42)	STORM MH OVER WATER B/STORM MH = 732.70 T/WATER = 731.20	(X46)
GAS OVER STORM B/GAS = 731.20 T/STORM = 730.20	(X43)	INLET OVER WATER B/INLET = 729.45 T/WATER = 727.95	(X47)
GAS OVER STORM B/GAS = 727.70 T/STORM = 726.70	(X44)	STORM MH OVER WATER B/STORM MH = 726.00 T/WATER = 724.00	(X48)
GAS OVER STORM B/GAS = 723.45 T/STORM = 720.15	(X45)	INLET OVER WATER B/INLET = 719.40 T/WATER = 717.40	(X49)

PLANS PREPARED BY:
GEWALT HAMILTON
ASSOCIATES, INC.
Consulting Engineers & Surveyors
855 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

REVISIONS		
NAME	DATE	
REV.-1 IDOT COMMENTS	02-03-06	
REV.-2 PLANS STAGED	06-02-06	
REV.-5 PRE-FINAL SUB	02-20-09	
PS&S SUBMITTAL	04-10-09	

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA. 127+00 TO 133+50
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET
SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

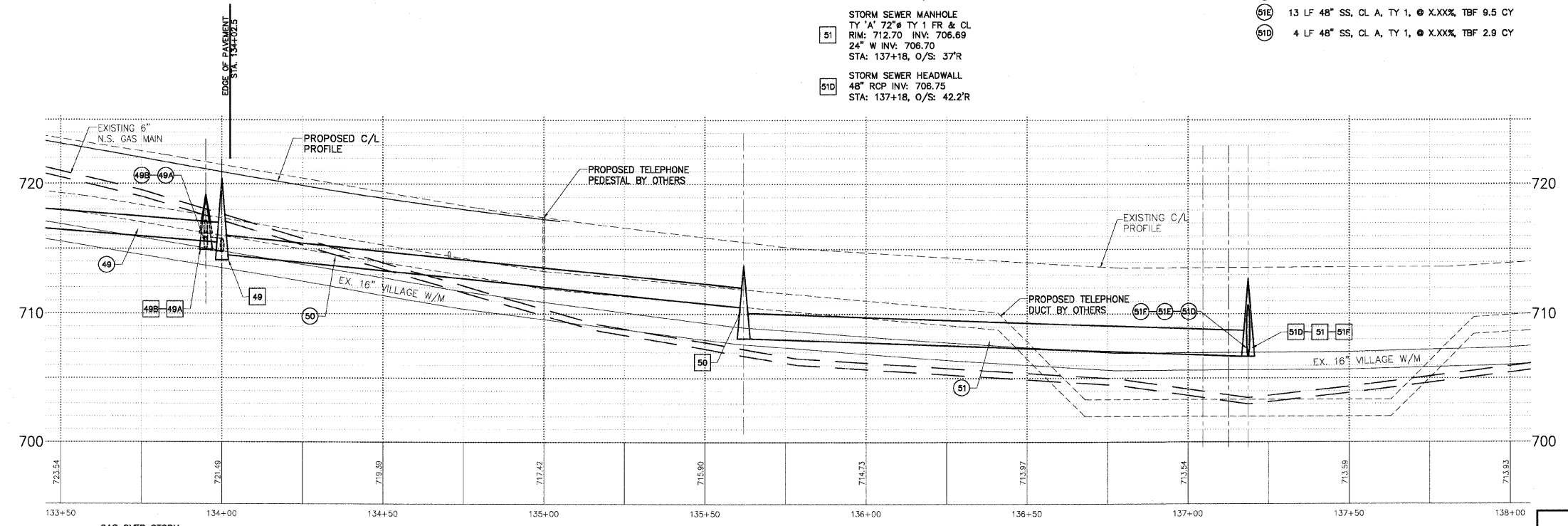


PLAN REFERENCE SEE PLANS TITLED
 "PLANS FOR PROPOSED HIGHWAY
 FAU ROUTE 1016 (WASHINGTON STREET)"
 PROJECT NUMBER M-8003(506)
 BY: CRAWFORD, MURPHY & TILLY, INC.
 LATEST DATE: 02-06-09

- | | | |
|--|--|---|
| <p>49B STORM SEWER INLET
 TY 'A' 24" TY 24 FR & GR
 RIM: 719.11 INV: 716.17
 STA: 133+95, O/S: 32.5'L</p> <p>49A STORM SEWER CATCHBASIN
 TY 'A' 48" TY 24 FR & GR
 RIM: 719.19 INV: 715.18
 STA: 133+95, O/S: 30'R</p> <p>49 STORM SEWER MANHOLE
 TY 'A' 48" TY B GR
 RIM: 720.44 INV: 714.25
 18" W INV: 714.75
 12" N INV: 715.00
 STA: 134+00, O/S: 40'R</p> | <p>CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS AT STATIONS 107+50 AND 137+20. RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE. IT IS RECOMMENDED THAT THE PROPOSED CULVERT EXTENSION WORK IS COMPLETED INDRY CONDITIONS.</p> <p>50 STORM SEWER MANHOLE
 TY 'A' 48" TY 1 FR & CL
 RIM: 713.75 INV: 708.12
 18" W INV: 710.50
 12" N INV: 710.75
 STA: 135+82, O/S: 40'R</p> <p>51F STORM SEWER HEADWALL
 48" RCP INV: 705.55
 STA: 137+20, O/S: 52'L</p> <p>51 STORM SEWER MANHOLE
 TY 'A' 72" TY 1 FR & CL
 RIM: 712.70 INV: 706.69
 24" W INV: 706.70
 STA: 137+18, O/S: 37'R</p> <p>51D STORM SEWER HEADWALL
 48" RCP INV: 706.75
 STA: 137+18, O/S: 42.2'R</p> | <p>49B 62 LF 12" SS, CL A, TY 1, @ 1.60%, TBF 5.5 CY</p> <p>49A 14 LF 12" SS, CL A, TY 1, @ 1.30%, TBF 2.6 CY</p> <p>50 156 LF 18" SS, CL A, TY 1, @ 2.40%, TBF 63.5 CY</p> <p>51 156 LF 24" SS, CL A, TY 1, @ 0.91%, TBF 88.8 CY</p> <p>51F 24 LF 48" SS, CL A, TY 1, @ X.XXX, TBF 25.1 CY</p> <p>51E 13 LF 48" SS, CL A, TY 1, @ X.XXX, TBF 9.5 CY</p> <p>51D 4 LF 48" SS, CL A, TY 1, @ X.XXX, TBF 2.9 CY</p> |
|--|--|---|

NOTE:
 OFFSETS PROVIDED ARE FROM CENTER LINE
 TO CENTER LINE OF STRUCTURE.

- DRAINAGE & UTILITY PLAN LEGEND**
- (5) EXISTING SANITARY STRUCTURE
 - (S) EXISTING SANITARY SEWER
 - (W) EXISTING WATERMAIN
 - (23) EXISTING STORM SEWER STRUCTURE
 - (S) EXISTING STORM SEWER
 - (37) PROPOSED STORM SEWER STRUCTURE
 - (S) PROPOSED STORM SEWER
 - (S7A) PROPOSED STORM SEWER PIPE
 - (M) PROPOSED STORM SEWER MANHOLE
 - (C) PROPOSED STORM SEWER CATCHBASIN
 - (X) PROPOSED STORM SEWER INLET
 - (X50) PROPOSED UTILITY CROSSING



GAS OVER STORM B/GAS = 717.50 T/STORM = 716.50	(X50)	HEADWALL OVER WATER B/HEADWALL = 705.05 T/WATER = 703.00	(X5B)
STORM MH OVER GAS B/STORM MH = 706.00 T/GAS = 705.00	(X5C)		
INLET OVER WATER B/INLET = 715.50 T/WATER = 713.70	(X53)		

PLANS PREPARED BY:
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 ASSOCIATES, INC.
 Consulting Engineers & Surveyors
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-05-06
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REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
 STA. 133+50 TO 138+00

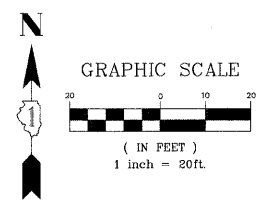
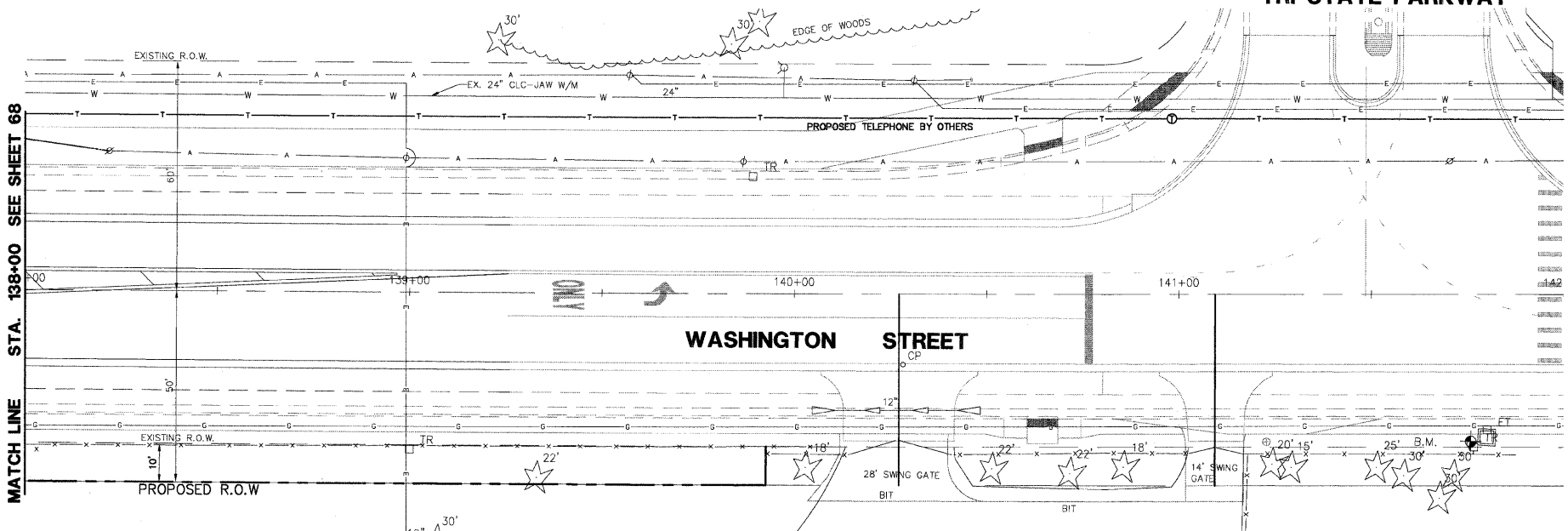
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET

SCALE: H: 1"=20' V: 1"=5'
 DATE: 10-05-04

DRAWN BY: CGP
 DESIGNED BY: TPG
 CHECKED BY: BLS

TRI STATE PARKWAY

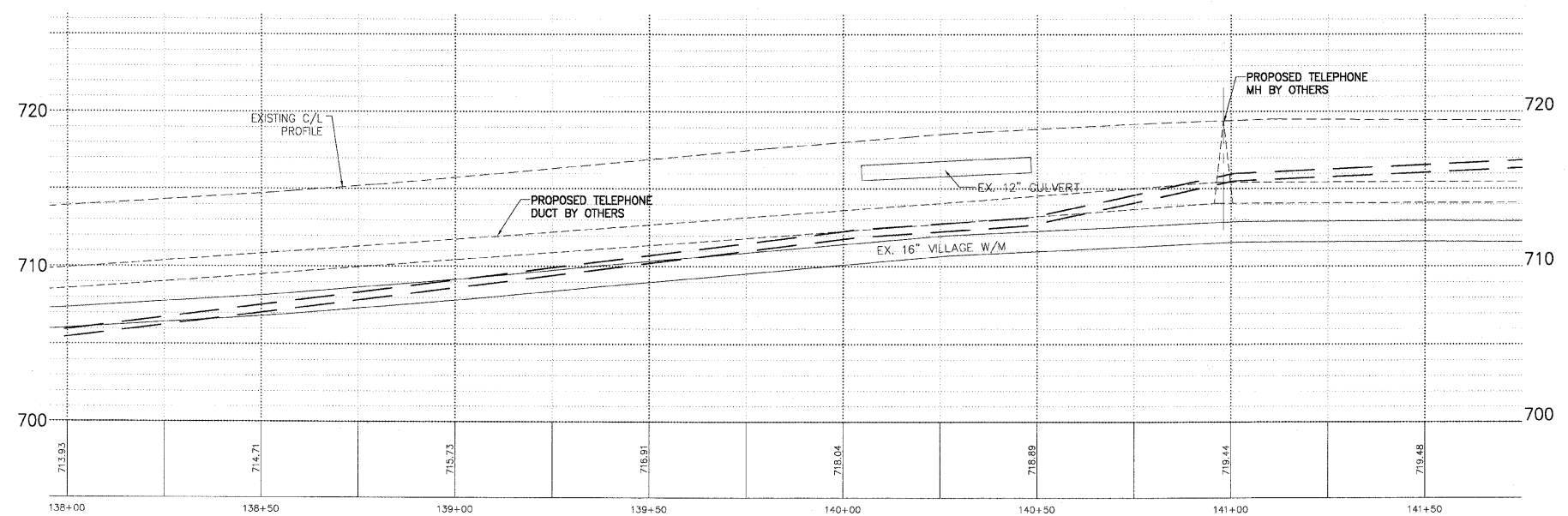
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-0047-00-FP	LAKE	180	69
DRAINAGE - STA. 138+00 TO 141+75				
CONTRACT NO. 83845		ILLINOIS		



NOTE:
OFFSETS PROVIDED ARE FROM CENTER LINE
TO CENTER LINE OF STRUCTURE.

DRAINAGE & UTILITY PLAN LEGEND

- EXISTING SANITARY STRUCTURE
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN STRUCTURE
- EXISTING WATERMAIN
- EXISTING STORM SEWER STRUCTURE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER STRUCTURE
- PROPOSED STORM SEWER
- PROPOSED STORM SEWER PIPE
- PROPOSED STORM SEWER MANHOLE
- PROPOSED STORM SEWER CATCHBASIN
- PROPOSED STORM SEWER INLET



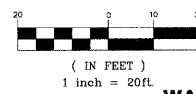
PLANS PREPARED BY:
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REVISIONS	
NAME	DATE
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REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA. 138+00 TO 141+75
PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET
SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04
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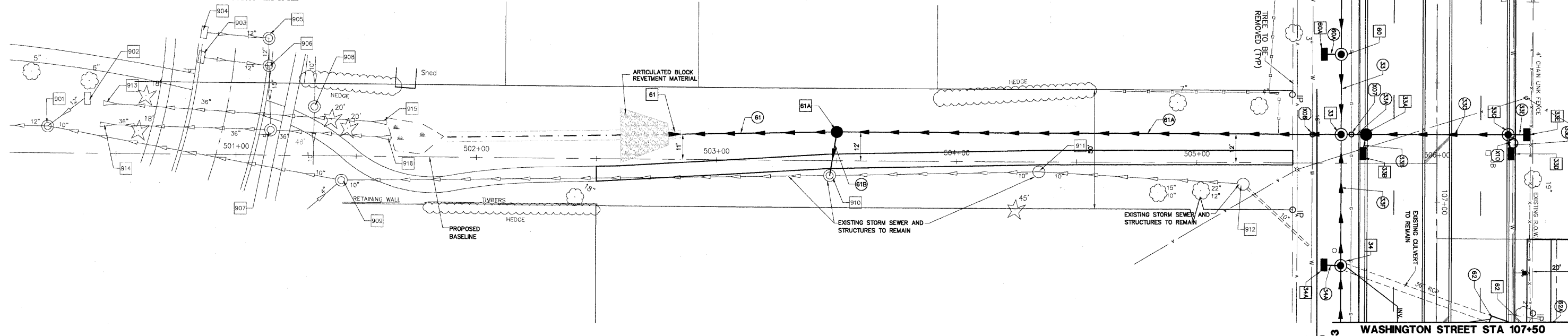
CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS AT STATIONS 107+50 AND 137+20. RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE. IT IS RECOMMENDED THAT THE PROPOSED CULVERT EXTENSION WORK IS COMPLETED IN DRY CONDITIONS.

GRAPHIC SCALE



F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	70
DRAINAGE - STA. 500+00 TO 506+00				
CONTRACT NO. 83845 ILLINOIS				

OLD FARM LANE



WASHINGTON STREET STA 106+00

WASHINGTON STREET STA 107+50

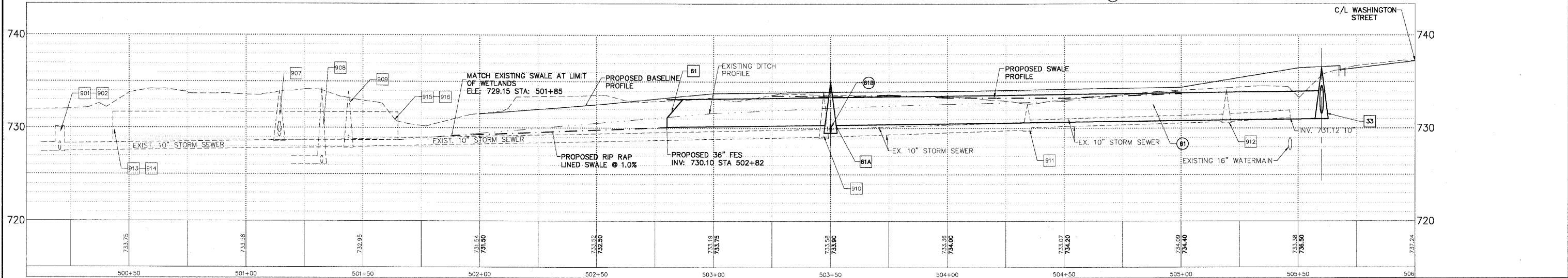
MATCH LINE STA 505+50 SEE SHEET 63

901	EX. STORM MANHOLE RIM: 730.08 INV: 727.40 12" NE & NW INV: 727.48 STA: 500+22 O/S: 11'L	905	EX. STORM MANHOLE RIM: 733.21 INV: 730.16 STA: 501+14 O/S: 49'L	909	EX. STORM MANHOLE RIM: 733.93 INV: 727.93 10" N INV: 727.95 4" SE INV: 728.83 STA: 501+43 O/S: 10'R	910	EX. STORM MANHOLE RIM: 733.96 INV: 729.07 ADJUST RIM TO 733.25 10" N INV: 729.15 STA: 503+47 O/S: 6'R
902	EX. STORM INLET RIM: 728.97 INV: 727.47 STA: 500+39 O/S: 23'L	906	EX. STORM MANHOLE RIM: 733.15 INV: 729.60 12" S INV: 729.65 STA: 501+14 O/S: 38'L	915	EX. FLARED END SECTION 36" INV: 729.02 STA: 501+61 O/S: 14'L	911	EX. STORM MANHOLE RIM: 732.63 INV: 729.83 ADJUST RIM TO 733.00 10" N INV: 730.03 STA: 504+34 O/S: 4'R
913	EX. FLARED END SECTION 36" INV: 728.65 STA: 500+47 O/S: 21'L	907	EX. STORM MANHOLE RIM: 733.97 INV: 728.78 15" W INV: 729.47 36" W INV: 729.07 36" S INV: 728.82 STA: 501+14 O/S: 10'L	916	EX. FLARED END SECTION 36" INV: 728.68 STAI 501+62 O/S: 8'L	912	EX. STORM MANHOLE RIM: 734.13 INV: 730.38 STA: 505+19 O/S: 9'R
914	EX. FLARED END SECTION 36" INV: 728.68 STA: 500+46 O/S: 12'L	908	EX. STORM MANHOLE RIM: 734.26 INV: 726.10 10" E INV: 726.13 STA: 501+33 O/S: 21'L	61	FLARED END SECTION 36" RCP INV: 730.10 STA: 502+82 O/S: 3'L	33	STORM SEWER MANHOLE TY 'A' 72" TY 1 FR & CL RIM 736.51 INV: 731.00 E&W INV: 731.58 16" N INV: 732.40 STA: 505+60 O/S: 12'L
903	EX. STORM INLET RIM: 733.21 INV: 730.61 STA: 500+86 O/S: 40'L			61A	STORM SEWER CATCHBASIN TY 'A' 60" TY 1 FR & CL RIM: 734.30 INV: 730.33 10" E INV: 729.21 STA: 503+50 O/S 12'L		
904	EX. STORM INLET RIM: 733.15 INV: 730.25 STA: 500+87 O/S: 51'L						

NOTE: OFFSETS PROVIDED ARE FROM CENTER LINE TO CENTER LINE OF STRUCTURE.

- 61 68 LF 36" SS, CL A, TY 1, @ 0.34% TBF 0.0 CY
- 61B 18 LF 10" SS, CL A, TY 1, @ 0.33% TBF 6.0 CY
- 61A 210 LF 36" SS, CL A, TY 1, @ 0.32% TBF 0.0 CY

- DRAINAGE & UTILITY PLAN LEGEND**
- 5 EXISTING SANITARY STRUCTURE
 - 9 EXISTING SANITARY SEWER
 - W EXISTING WATERMAIN STRUCTURE
 - W EXISTING WATERMAIN
 - 23 EXISTING STORM SEWER STRUCTURE
 - EX EXISTING STORM SEWER
 - 37 PROPOSED STORM SEWER STRUCTURE
 - PROPOSED STORM SEWER
 - 61A PROPOSED STORM SEWER PIPE
 - 61B PROPOSED STORM SEWER MANHOLE
 - 61 PROPOSED STORM SEWER CATCHBASIN
 - 61A PROPOSED STORM SEWER INLET
 - X05 PROPOSED UTILITY CROSSING



WATER OVER STORM
B/STORM = 730.04
T/WATER = 729.97

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
650 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9700 Fax

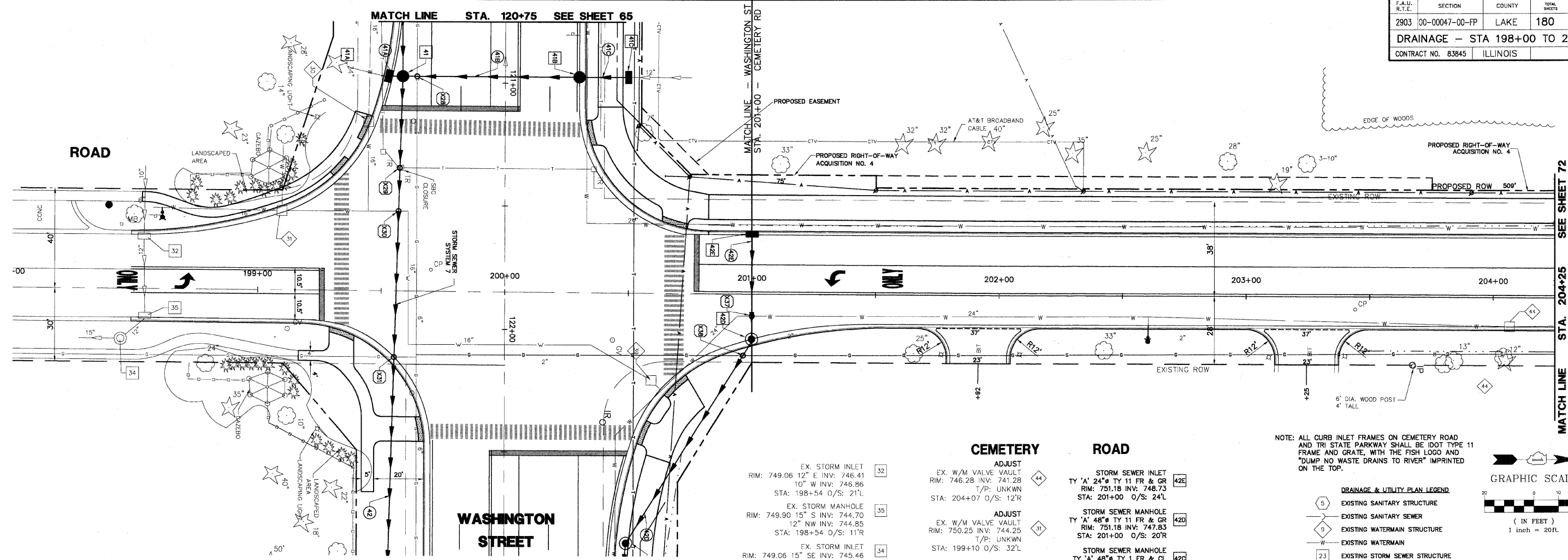
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA. 500+00 TO 506+00

PROPOSED ROADWAY RECONSTRUCTION
WASHINGTON STREET - OUTLOT

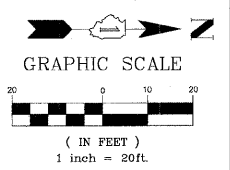
SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS



- | | | |
|--|---|--|
| <p>EX. STORM INLET
RIM: 749.06 12" E INV: 746.41
10" W INV: 746.86
STA: 198+54 O/S: 21'L</p> <p>EX. STORM MANHOLE
RIM: 749.90 15" S INV: 744.70
12" NW INV: 744.85
STA: 198+54 O/S: 11'R</p> <p>EX. STORM INLET
RIM: 749.06 15" SE INV: 745.46
12" W INV: 745.56
STA: 198+45 O/S: 20'R</p> | <p>ADJUST
EX. W/M VALVE VAULT
RIM: 746.28 INV: 741.28
T/P: UNKWN
STA: 204+07 O/S: 12'R</p> <p>ADJUST
EX. W/M VALVE VAULT
RIM: 750.25 INV: 744.25
T/P: UNKWN
STA: 199+10 O/S: 32'L</p> | <p>STORM SEWER INLET
TY 'A' 24" TY 11 FR & GR
RIM: 751.18 INV: 748.73
STA: 201+00 O/S: 24'L</p> <p>STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 751.18 INV: 747.83
STA: 201+00 O/S: 20'R</p> <p>STORM SEWER MANHOLE
TY 'A' 48" TY 1 FR & CL
RIM: 750.11 INV: 745.91</p> |
|--|---|--|

NOTE: ALL CURB INLET FRAMES ON CEMETERY ROAD AND TRI STATE PARKWAY SHALL BE IDOT TYPE 11 FRAME AND GRATE, WITH THE FISH LOGO AND "DUMP NO WASTE DRAINS TO RIVER" IMPRINTED ON THE TOP.

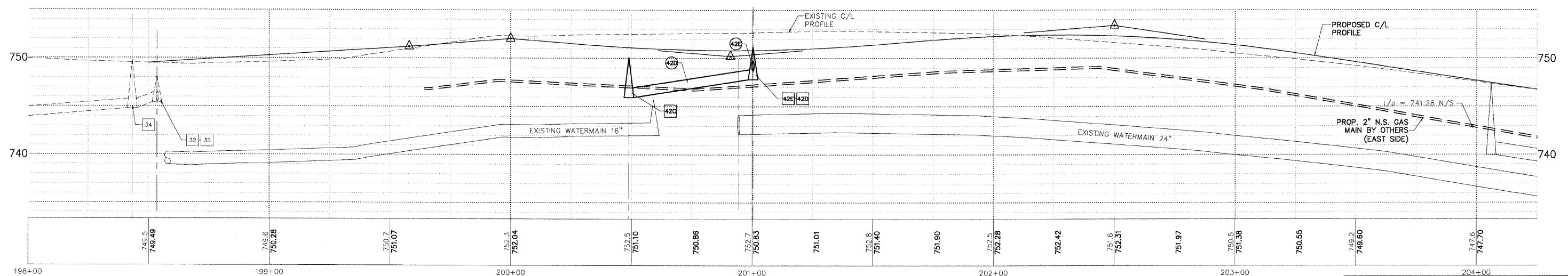


- DRAINAGE & UTILITY PLAN LEGEND**
- 5 EXISTING SANITARY STRUCTURE
 - 9 EXISTING SANITARY SEWER
 - 9 EXISTING WATERMAIN STRUCTURE
 - W EXISTING WATERMAIN
 - 23 EXISTING STORM SEWER STRUCTURE
 - 23 EXISTING STORM SEWER
 - 37 PROPOSED STORM SEWER STRUCTURE
 - 37 PROPOSED STORM SEWER
 - 37A PROPOSED STORM SEWER PIPE
 - 37A PROPOSED STORM SEWER MANHOLE
 - 37A PROPOSED STORM SEWER CATCHBASIN
 - 37A PROPOSED STORM SEWER INLET
 - X08 PROPOSED UTILITY CROSSING

NOTE: OFFSETS PROVIDED ARE FROM CENTER LINE TO CENTER LINE OF STRUCTURE.

42E 42 LF 12" SS, CL A, TY 1, @ 2.14%, TBF 2.6 CY

NOTE: STORM SEWER QUANTITIES FOR STATION 201+00 AND SOUTH ARE INCLUDED WITHIN THE WASHINGTON STREET SCHEDULES & SUMMARY



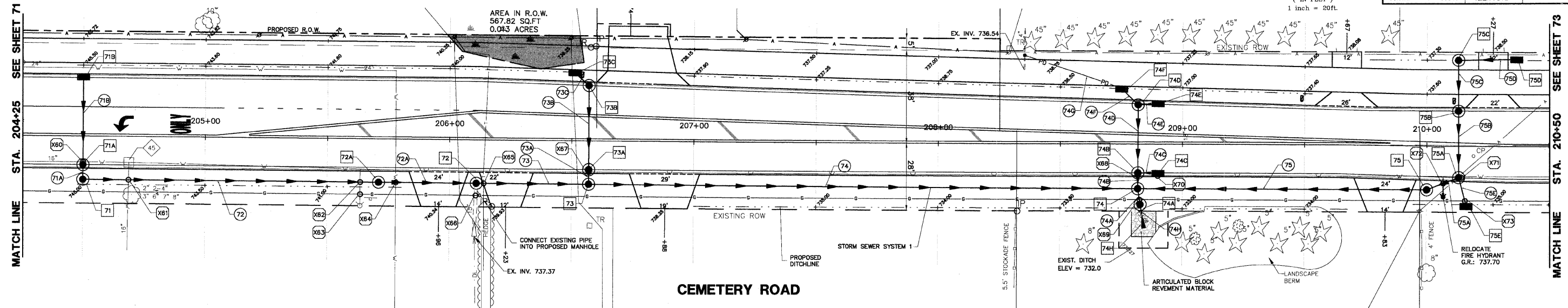
PLANS PREPARED BY:
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(815) 478-9700
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA 198+00 TO 204+25
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS



- ADJUST EX. W/M VALVE VAULT
RIM: 744.32 TYP: 738.32
STA: 204+69 O/S: 12'R
- STORM SEWER INLET TY 'A' 24" TY 11 FR & GR
RIM: 745.26 INV: 742.26
STA: 204+50 O/S: 24' L
- STORM SEWER MANHOLE TY 'A' 48" TY 11 FR & GR
RIM: 745.50 INV: 741.90
12" W INV: 741.90
STA: 204+50 O/S: 14'R
- STORM SEWER MANHOLE TY 'A' 48" TY 8 GR
RIM: 745.45 INV: 737.97
12" W INV: 733.41
STA: 204+50 O/S: 18'R
- STORM SEWER MANHOLE TY 'A' 48" TY 8 GR
RIM: 740.80 INV: 733.50
S INV 736.36 8" E INV: 737.29
STA: 206+11 O/S: 18'R
- STORM SEWER INLET TY 'A' 48" TY 8 GR
RIM: 740.00 INV: 736.77
STA: 205+71 O/S: 18' R

- STORM SEWER INLET TY 'A' 24" TY 1 FR & OL
RIM: 739.00 INV: 735.74
STA: 206+51 O/S: 28'L
- STORM SEWER MANHOLE TY 'A' 48" TY 11 FR & GR
RIM: 735.54 INV: 735.50
12" W INV: 735.54
STA: 206+57 O/S: 23'L
- STORM SEWER MANHOLE TY 'A' 48" TY 11 FR & GR
RIM: 738.54 INV: 735.10
12" W INV: 735.10
STA: 206+57 O/S: 14'R
- STORM SEWER MANHOLE TY 'A' 48" TY 8 GR
RIM: 738.90 INV: 733.41
12" W INV: 735.04
STA: 206+57 O/S: 18'R
- STORM SEWER INLET TY 'A' 24" TY 1 FR & OL
RIM: 736.25 INV: 733.57
STA: 208+77 O/S: 22'L
- STORM SEWER INLET TY 'A' 24" TY 11 FR & GR
RIM: 736.40 INV: 733.47
STA: 208+90 O/S: 17'L

- STORM SEWER MANHOLE TY 'A' 48" TY 11 FR & GR
RIM: 736.38 INV: 733.35
12" N & W INV: 733.38
STA: 208+82 O/S: 17'L
- STORM SEWER INLET TY 'A' 24" TY 11 FR & GR
RIM: 736.40 INV: 733.40
STA: 208+82 O/S: 17'L
- STORM SEWER MANHOLE TY 'A' 48" TY 11 FR & GR
RIM: 736.38 INV: 733.07
12" N INV: 733.32 W INV: 733.07
STA: 208+82 O/S: 12'R
- STORM SEWER MANHOLE TY 'A' 60" TY 1 FR & CL
RIM: 736.43 18" S&E INV: 732.40
12" W INV: 732.99 18" N INV: 732.45
STA: 208+82 O/S: 18'R
- STORM SEWER MANHOLE TREATMENT STRUCTURE TY 'A' 60" TY 1 FR & CL
RIM: 736.20 INV: 732.31
STA: 208+83 O/S: 25'R
- FLARED END SECTION 18" S INV: 732.25
STA: 208+85 O/S: 34'R

- STORM SEWER INLET TY 'A' 24" TY 8 GR
RIM: 737.60 INV: 734.45
STA: 210+36 O/S: 35'L
- STORM SEWER MANHOLE TY 'A' 48" TY 8 GR
RIM: 737.20 INV: 734.21
STA: 210+13 O/S: 35'L
- STORM SEWER MANHOLE TY 'A' 48" TY 11 FR & GR
RIM: 737.80 INV: 734.00
STA: 210+13 O/S: 14'L
- STORM SEWER MANHOLE TY 'A' 48" TY 1 FR & CL
RIM: 737.74 INV: 732.80
12" W INV: 733.44
STA: 210+13 O/S: 14'R
- STORM SEWER MANHOLE TY 'A' 48" TY 1 FR & CL
RIM: 734.90 INV: 732.95
STA: 210+18 O/S: 24'R

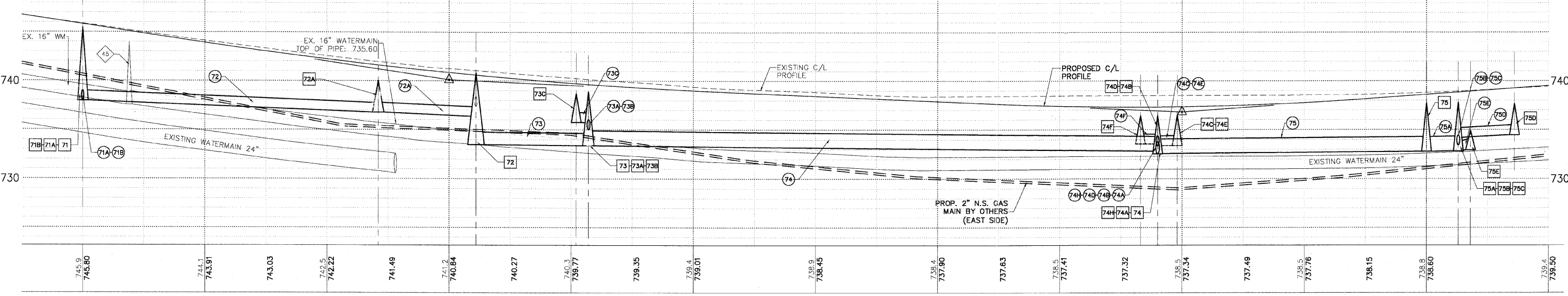
- 71B 36 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 3.8 CY
- 71A 5 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 1.4 CY
- 72 121 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 53.5 CY
- 72A 40 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 17.3 CY
- 73 46 LF 12" RCP, CL IV, TY 1, @ 0.20%, TBF 25.3 CY
- 73C 8 LF 12" SS, CL A, TY 1, @ 2.50%, TBF 1.7 CY
- 73B 35 LF 12" SS, CL A, TY 1, @ 1.10%, TBF 3.4 CY
- 73A 5 LF 12" SS, CL A, TY 1, @ 1.20%, TBF 1.3 CY
- 74 225 LF 18" SS, CL A, TY 1, @ 0.45%, TBF 92.7 CY
- 74C 42 LF 4" SS, PVC SDR 35 @ 1.00% TBF 2.7 CY
- 74F 9 LF 12" SS, CL IV, TY 1, @ 2.10%, TBF 1.7 CY
- 74E 8 LF 12" SS, CL A, TY 1, @ 1.10%, TBF 0.6 CY
- 74D 28 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 2.5 CY
- 74G 8 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 0.6 CY
- 74H 6 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 1.4 CY
- 74A 5 LF 18" SS, CL A, TY 1, @ 4.00%, TBF 1.3 CY
- 74B 5 LF 18" SS, CL A, TY 1, @ 1.10%, TBF 0.6 CY
- 75 118 LF 18" SS, CL A, TY 1, @ 0.30%, TBF 35.8 CY
- 75C 12 LF 12" SS, CL A, TY 1, @ 0.50%, TBF 1.1 CY
- 75B 28 LF 12" SS, CL A, TY 1, @ 2.00%, TBF 5.2 CY
- 75A 14 LF 18" SS, CL A, TY 1, @ 0.30%, TBF 5.0 CY
- 75D 21 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 1.9 CY
- 75E 24 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 2.2 CY

NOTE: OFFSETS PROVIDED ARE FROM CENTER LINE TO CENTER LINE OF STRUCTURE.

CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS. RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE. IT IS RECOMMENDED THAT THE PROPOSED CULVERT EXTENSION WORK IS COMPLETED IN DRY CONDITIONS.

NOTE: ALL CURB INLET FRAMES ON CEMETERY ROAD AND TRI STATE PARKWAY SHALL BE IDOT TYPE 11 FRAME AND GRATE, WITH THE FISH LOGO AND "DUMP NO WASTE DRAINS TO RIVER" IMPRINTED ON THE TOP.

- DRAINAGE & UTILITY PLAN LEGEND
- 5 EXISTING SANITARY STRUCTURE
 - 9 EXISTING SANITARY SEWER
 - 9 EXISTING WATERMAIN STRUCTURE
 - W EXISTING WATERMAIN
 - 23 EXISTING STORM SEWER STRUCTURE
 - 37 EXISTING STORM SEWER
 - 37 PROPOSED STORM SEWER STRUCTURE
 - 37 PROPOSED STORM SEWER
 - 71A PROPOSED STORM SEWER PIPE
 - 71A PROPOSED STORM SEWER MANHOLE
 - 71A PROPOSED STORM SEWER CATCHBASIN
 - 71A PROPOSED STORM SEWER INLET
 - X65 PROPOSED UTILITY CROSSING



- STORM MH OVER WATER B/STM MH = 741.20 T/WATER = 739.70 X60
- STORM OVER WATER B/STORM = 737.60 T/WATER = 736.10 X61
- STORM OVER WATER B/STORM = 736.60 T/WATER = 734.50 X62
- GAS OVER WATER X63
- STORM OVER WATER B/STORM = 736.50 T/WATER = 734.50 X64
- TELEPHONE OVER STORM X65
- EX PIPE OVER GAS B/EX PIPE = 737.10 T/GAS = 736.10 X66
- STORM MH OVER WATER B/STM MH = 734.40 T/WATER = 732.90 X67
- STORM MH OVER WATER B/STM MH = 732.45 T/WATER = 730.90 X68
- STORM OVER GAS B/STORM = 732.15 T/GAS = 731.15 X69
- INLET OVER WATER B/INLET = 732.90 T/WATER = 730.90 X70
- STORM MH OVER WATER B/STM MH = 733.60 T/WATER = 731.60 X71

- STORM OVER WATER B/STORM = 732.60 T/WATER = 731.10 X72
- STORM OVER GAS B/STORM = 732.60 T/GAS = 731.60 X73

PLANS PREPARED BY:
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REVISIONS	
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REV.-1 IDOT COMMENTS	02-03-06
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REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA 204+25 TO 210+50
PROPOSED ROADWAY WIDENING AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

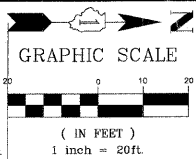
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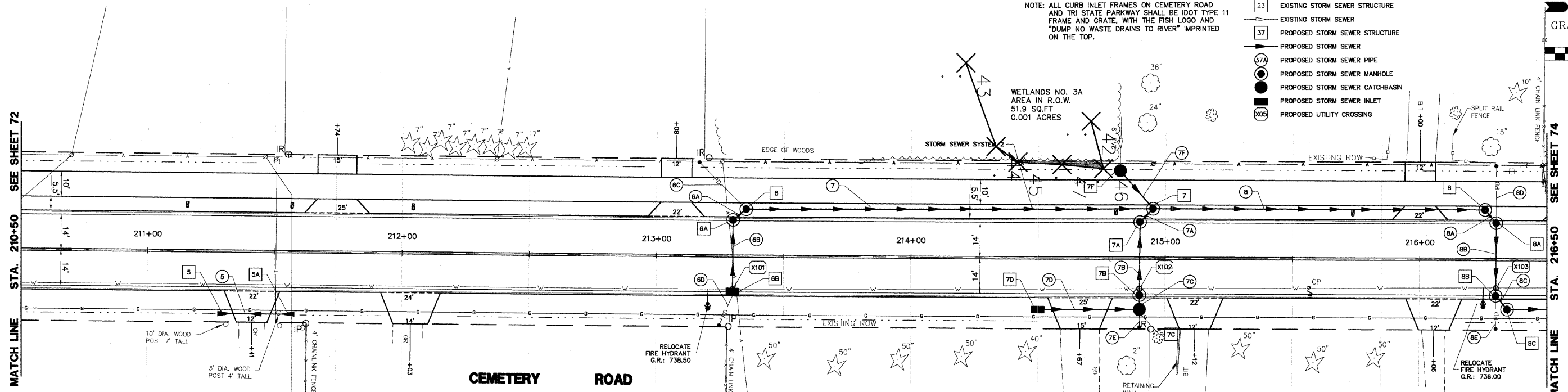
- DRAINAGE & UTILITY PLAN LEGEND**
- 5 EXISTING SANITARY STRUCTURE
 - 9 EXISTING WATERMAIN STRUCTURE
 - W EXISTING WATERMAIN
 - 23 EXISTING STORM SEWER STRUCTURE
 - 37 EXISTING STORM SEWER
 - 37 PROPOSED STORM SEWER STRUCTURE
 - PROPOSED STORM SEWER
 - 37A PROPOSED STORM SEWER PIPE
 - PROPOSED STORM SEWER MANHOLE
 - PROPOSED STORM SEWER CATCHBASIN
 - PROPOSED STORM SEWER INLET
 - X05 PROPOSED UTILITY CROSSING

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	73
DRAINAGE - STA 210+50 TO 216+50				
CONTRACT NO. 83845		ILLINOIS		

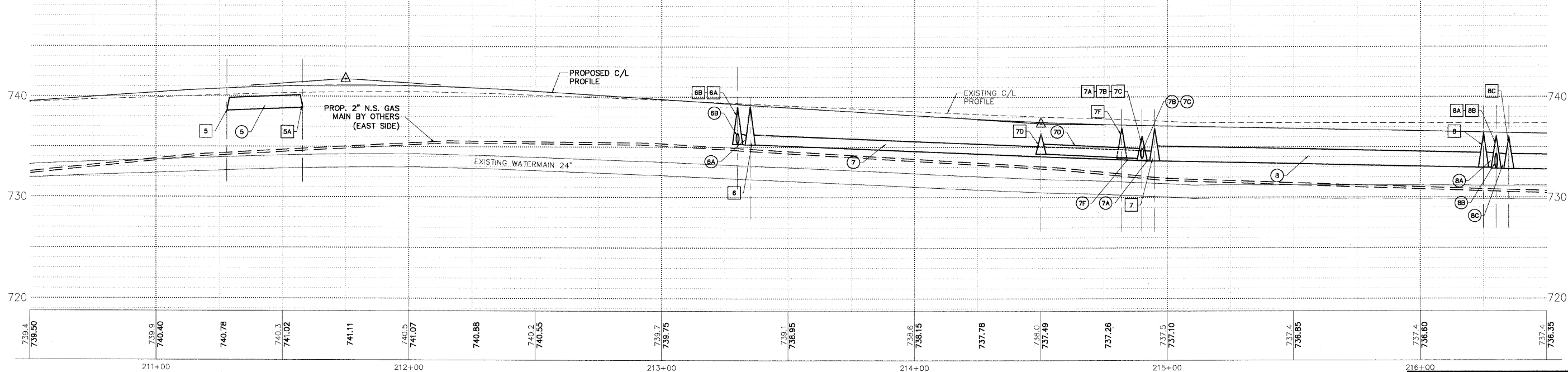


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WETLANDS NO. 3A AREA IN R.O.W. 51.9 SQ.FT 0.001 ACRES



- | | | | | | |
|---|---|--|--|---|---|
| <p>STORM FLARED END SECTION
15" INV: 738.60
STA: 211+28 O/S: 24'R</p> <p>STORM FLARED END SECTION
15" INV: 738.90
STA: 211+58 O/S: 24'R</p> <p>STORM SEWER INLET
TY 'A' 24" TY 11 FR & GR
RIM: 739.24 INV: 735.58
STA: 213+30 O/S: 14'L</p> <p>STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & CL
RIM: 739.09 INV: 735.25
STA: 213+35 O/S: 19'L</p> <p>STORM SEWER MANHOLE
TY 'A' 48" TY 1 FR & CL
RIM: 736.86 S INV: 734.05
N&E&W INV 733.61
STA: 214+95 O/S: 20'L</p> | <p>STORM SEWER MANHOLE
TY 'C' 24" TY 8 FR & CL
RIM: 736.00 INV: 733.90
8" INV: 733.95
STA: 214+83 O/S: 35'L</p> <p>STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 739.09 INV: 735.25
12" E INV: 733.70
STA: 214+90 O/S: 14'L</p> <p>STORM SEWER MANHOLE
TY 'A' 48" TY 1 FR & CL
RIM: 736.86 S INV: 734.05
N&E&W INV 733.61
STA: 214+95 O/S: 20'L</p> | <p>STORM SEWER CATCHBASIN
TY 'C' 24" TY 8 FR & CL
RIM: 736.00 INV: 733.90
8" INV: 733.95
STA: 214+83 O/S: 35'L</p> <p>STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 739.09 INV: 735.25
12" E INV: 733.70
STA: 214+90 O/S: 14'L</p> <p>STORM SEWER MANHOLE
TY 'A' 48" TY 1 FR & CL
RIM: 736.86 S INV: 734.05
N&E&W INV 733.61
STA: 214+95 O/S: 20'L</p> | <p>STORM SEWER INLET
TY 'A' 24" TY 8 GR
RIM: 736.40 INV: 734.27
STA: 214+50 O/S: 20'R</p> <p>STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 736.11 INV: 732.91
STA: 216+30 O/S: 14'L</p> <p>STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 736.11 INV: 732.84
STA: 216+30 O/S: 14'L</p> <p>STORM SEWER MANHOLE
TY 'A' 48" TY 1 FR & CL
RIM: 736.50 INV: 732.94
STA: 216+35 O/S: 20'R</p> | <p>NOTE: OFFSETS PROVIDED ARE FROM CENTER LINE TO CENTER LINE OF STRUCTURE.</p> | <p>5 30 LF 15" SS, CL A, TY 1, @ 1.00% TBF 4.0 CY</p> <p>6C 26 LF 4" SS, PVC SDR 35, @ 1.00% TBF 0.0 CY</p> <p>6B 28 LF 12" SS, CL A, TY 1, @ 1.00% TBF 4.4 CY</p> <p>6A 5 LF 12" SS, CL A, TY 1, @ 1.00% TBF 1.4 CY</p> <p>6D 12 LF 4" SS, PVC SDR 35, @ 1.00% TBF 0.0 CY</p> <p>7 160 LF 12" SS, CL A, TY 1, @ 0.75% TBF 36.8 CY</p> <p>7F 20 LF 12" SS, CL A, TY 1, @ 1.45% TBF 3.2 CY</p> <p>7A 7 LF 12" SS, CL A, TY 1, @ 1.00% TBF 1.5 CY</p> <p>7B 28 LF 12" SS, CL A, TY 1, @ 0.43% TBF 2.2 CY</p> <p>7C 5 LF 12" SS, CL A, TY 1, @ 1.00% TBF 0.8 CY</p> <p>7D 40 LF 12" SS, CL A, TY 1, @ 1.00% TBF 6.0 CY</p> <p>7E 8 LF 4" SS, PVC SDR 35, @ 1.00% TBF 0.0 CY</p> <p>8 130 LF 15" SS, CL A, TY 1, @ 0.52% TBF 38.3 CY</p> <p>8A 7 LF 15" SS, CL A, TY 1, @ 0.43% TBF 2.4 CY</p> <p>8B 28 LF 18" SS, DIP, CL 52, @ 0.39% TBF 5.6 CY</p> <p>8C 6 LF 18" SS, CL A, TY 1, @ 0.32% TBF 2.3 CY</p> <p>8D 20 LF 4" SS, PVC SDR 35, @ 1.00% TBF 0.0 CY</p> <p>8E 12 LF 4" SS, PVC SDR 35, @ 1.00% TBF 0.0 CY</p> |
|---|---|--|--|---|---|



- STORM OVER WATER
B/STM = 735.40
T/WATER = 733.70 (X101)
- STORM OVER WATER
B/STM = 733.60
T/WATER = 731.40 (X102)
- STORM OVER WATER
B/STM = 731.50
T/WATER = 730.00 (X103)

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
860 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA 210+50 to 216+50
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

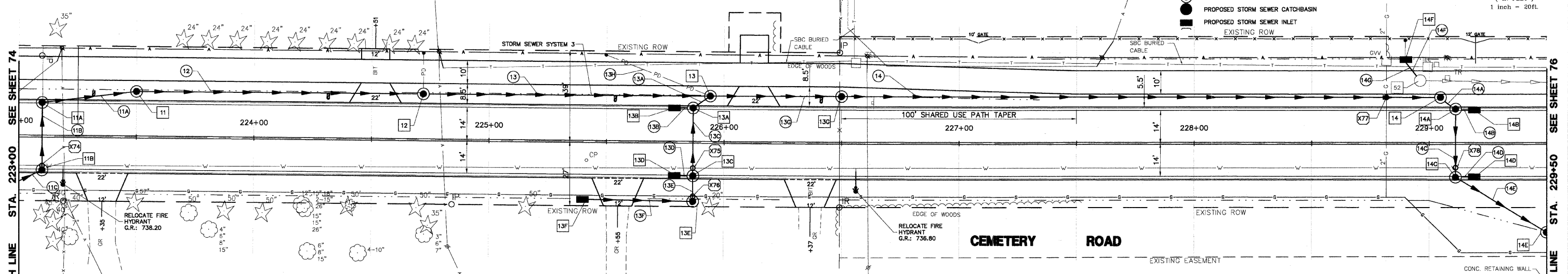
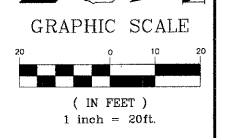
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS. RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE. IT IS RECOMMENDED THAT THE PROPOSED CULVERT EXTENSION WORK IS COMPLETED IN DRY CONDITIONS.

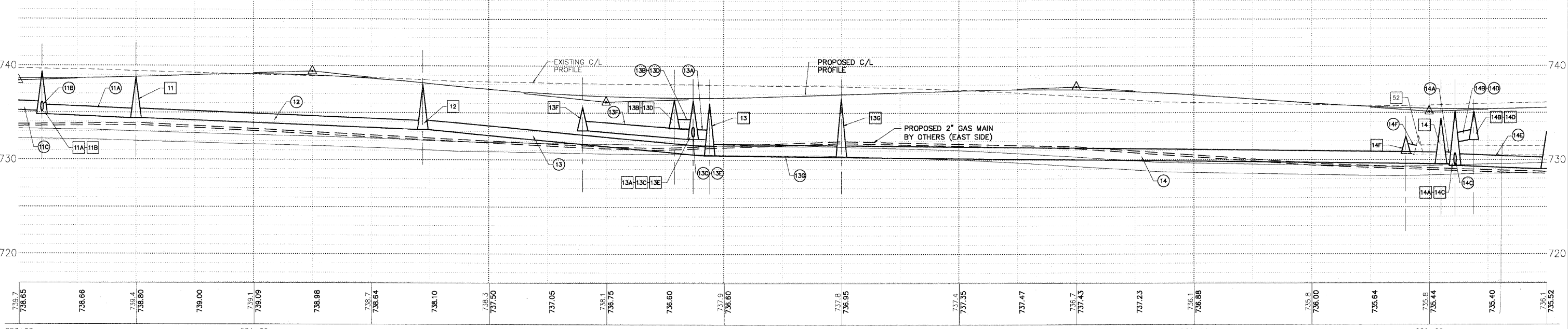
NOTE: ALL CURB INLET FRAMES ON CEMETERY ROAD AND TRI STATE PARKWAY SHALL BE IDOT TYPE 11 FRAME AND GRATE, WITH THE FISH LOGO AND "DUMP NO WASTE DRAINS TO RIVER" IMPRINTED ON THE TOP.

- DRAINAGE & UTILITY PLAN LEGEND**
- 5 EXISTING SANITARY STRUCTURE
 - 9 EXISTING SANITARY SEWER
 - 10 EXISTING WATERMAIN STRUCTURE
 - W EXISTING WATERMAIN
 - 23 EXISTING STORM SEWER STRUCTURE
 - 37 EXISTING STORM SEWER
 - 37 PROPOSED STORM SEWER STRUCTURE
 - PROPOSED STORM SEWER
 - 37A PROPOSED STORM SEWER PIPE
 - PROPOSED STORM SEWER MANHOLE
 - PROPOSED STORM SEWER CATCHBASIN
 - PROPOSED STORM SEWER INLET
 - EXISTING ROW

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	75
DRAINAGE - STA 223+00 TO 229+50				
CONTRACT NO. 83845 ILLINOIS				



<p>STORM SEWER MANHOLE TY 'A' 48" TY 1 FR & OL RIM: 738.12 INV: 733.18 STA: 224+72 O/S: 20'L</p> <p>STORM SEWER MANHOLE TY 'A' 48" TY 8 FR & OL RIM: 736.00 INV: 733.10 STA: 225+40 O/S: 24'R</p> <p>STORM SEWER MANHOLE TY 'A' 48" TY 1 FR & OL RIM: 737.75 INV: 734.40 STA: 223+50 O/S: 20'L</p>	<p>STORM SEWER MANHOLE TY 'A' 48" TY 11 FR & GR RIM: 736.30 INV: 732.24 STA: 225+87 O/S: 14'L</p> <p>STORM SEWER INLET TY 'A' 24" TY 11 FR & GR RIM: 736.34 INV: 733.34 STA: 225+79 O/S: 14'L</p> <p>STORM SEWER MANHOLE TY 'A' 48" TY 11 FR & GR RIM: 736.30 INV: 732.52 STA: 225+87 O/S: 14'R</p> <p>STORM SEWER INLET TY 'A' 24" TY 11 FR & GR RIM: 736.34 INV: 733.43 STA: 225+79 O/S: 14'R</p>	<p>STORM SEWER MANHOLE TY 'A' 48" TY 8 FR & OL RIM: 736.50 INV: 730.29 STA: 226+50 O/S: 20'L</p> <p>STORM SEWER MANHOLE TY 'A' 48" TY 1 FR & CL RIM: 734.37 INV: 729.56 STA: 229+05 O/S: 36'L</p> <p>STORM SEWER INLET TY 'A' 24" TY 8 GR RIM: 732.80 INV: 730.75 STA: 228+90 O/S: 36'L</p> <p>STORM SEWER MANHOLE TY 'A' 48" TY 11 FR & GR RIM: 735.13 INV: 729.48 STA: 229+11 O/S: 14'L</p>	<p>STORM SEWER INLET TY 'A' 24" TY 11 FR & GR RIM: 735.12 INV: 732.12 STA: 229+19 O/S: 14'L</p> <p>STORM SEWER MANHOLE TY 'A' 48" TY 11 FR & GR RIM: 735.12 INV: 732.12 STA: 229+11 O/S: 14'R</p> <p>STORM SEWER INLET TY 'A' 24" TY 8 GR RIM: 735.12 INV: 732.12 STA: 229+19 O/S: 14'R</p> <p>STORM SEWER MANHOLE TY 'A' 48" TY 8 GR RIM: 732.50 INV: 729.00 STA: 229+50 O/S: 36'R</p>	<p>STORM SEWER CATCHBASIN RIM: 732.55 ADJ TO 734.80 12" N INV: 730.55 SW INV: 730.65 STA: 228+96 O/S: 26' L</p>	<p>25 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 3.8 CY</p> <p>28 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 3.1 CY</p> <p>40 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 9.7 CY</p> <p>122 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 38.5 CY</p> <p>122 LF 12" SS, CL A, TY 1, @ 2.23%, TBF 57.5 CY</p> <p>8 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 2.3 CY</p> <p>11 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 2.4 CY</p> <p>47 LF 4" SS PVC SDR 35, @ 1.00%, TBF 3.8 CY</p>	<p>8 LF 12" SS, CL A, TY 1, @ 3.00%, TBF 0.7 CY</p> <p>28 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 4.7 CY</p> <p>8 LF 12" SS, CL A, TY 1, @ 3.00%, TBF 0.6 CY</p> <p>47 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 7.6 CY</p> <p>56 LF 15" SS, CL A, TY 1, @ 0.30%, TBF 36.5 CY</p> <p>255 LF 15" SS, CL A, TY 1, @ 0.30%, TBF 125.6 CY</p> <p>8 LF 15" SS, CL A, TY 1, @ 1.00%, TBF 3.7 CY</p> <p>8 LF 12" SS, CL A, TY 1, @ 3.00%, TBF 0.7 CY</p>	<p>28 LF 15" SS, CL A, TY 1, @ 0.50%, TBF 10.6 CY</p> <p>8 LF 12" SS, CL A, TY 1, @ 3.00%, TBF 0.7 CY</p> <p>45 LF 15" SS, CL A, TY 1, @ 0.75%, TBF 17.5 CY</p> <p>10 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 1.0 CY</p> <p>8 LF 4" SS, PVC SDR 35, @ 1.00%, TBF 0.7 CY</p>
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<p>STORM OVER WATER B/STORM = 734.90 T/WATER = 732.80</p> <p>STORM OVER WATER B/STORM = 733.00 T/WATER = 730.80</p> <p>STORM OVER GAS B/STORM = 732.40 T/GAS = 731.40</p>	<p>GAS OVER STORM B/GAS = 732.60 T/STORM = 731.20</p> <p>STORM OVER WATER B/STIM = 729.20 T/WATER = 727.70</p>	<p>STORM OVER WATER B/STORM = 734.90 T/WATER = 732.80</p> <p>STORM OVER WATER B/STORM = 733.00 T/WATER = 730.80</p> <p>STORM OVER GAS B/STORM = 732.40 T/GAS = 731.40</p>	<p>STORM OVER WATER B/STORM = 734.90 T/WATER = 732.80</p> <p>STORM OVER WATER B/STORM = 733.00 T/WATER = 730.80</p> <p>STORM OVER GAS B/STORM = 732.40 T/GAS = 731.40</p>
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 850 Forest Edge Drive
 Vernon Hills, IL 60061
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REVISIONS	
NAME	DATE
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REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

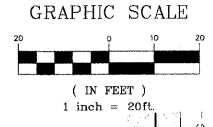
ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA 223+00 TO 229+50
PROPOSED ROADWAY WIDENING AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

SCALE: H: 1"=20' V: 1"=5'
 DATE: 10-05-04

DRAWN BY: CGP
 DESIGNED BY: TPG
 CHECKED BY: BLS

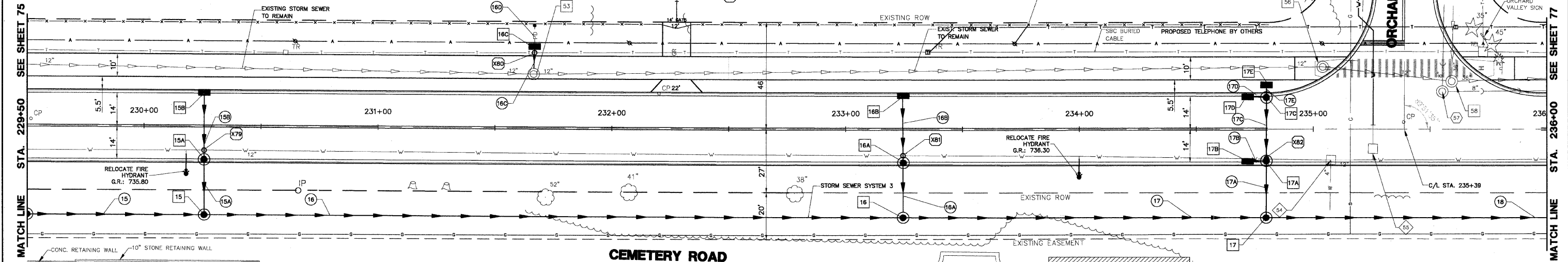
- DRAINAGE & UTILITY PLAN LEGEND**
- 5 EXISTING SANITARY STRUCTURE
 - 9 EXISTING SANITARY SEWER
 - W EXISTING WATERMAIN STRUCTURE
 - 23 EXISTING STORM SEWER STRUCTURE
 - 37 EXISTING STORM SEWER
 - 37 PROPOSED STORM SEWER STRUCTURE
 - PROPOSED STORM SEWER
 - 57A PROPOSED STORM SEWER PIPE
 - PROPOSED STORM SEWER MANHOLE
 - PROPOSED STORM SEWER CATCHBASIN
 - PROPOSED STORM SEWER INLET
 - X08 PROPOSED UTILITY CROSSING

CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS. RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE. IT IS RECOMMENDED THAT THE PROPOSED CULVERT EXTENSION WORK IS COMPLETED IN DRY CONDITIONS.



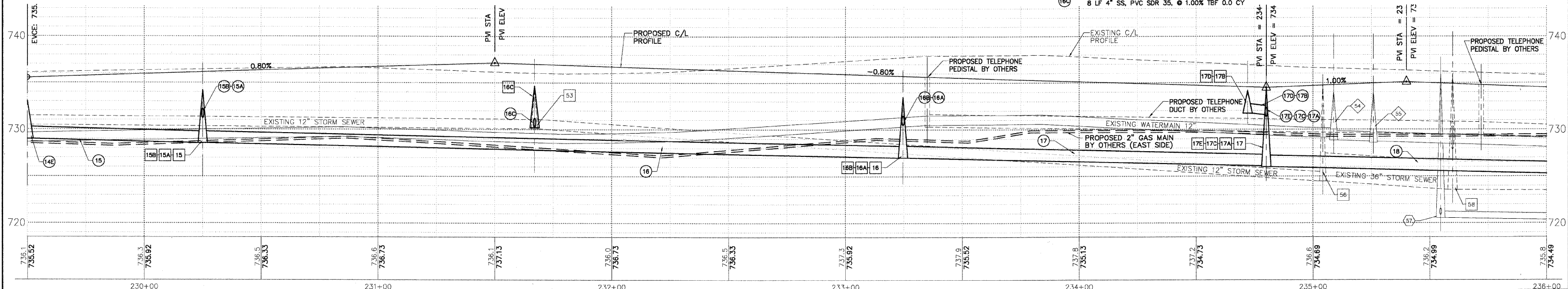
NOTE: ALL CURB INLET FRAMES ON CEMETERY ROAD AND TRI STATE PARKWAY SHALL BE IDOT TYPE 11 FRAME AND GRATE, WITH THE FISH LOGO AND "DUMP NO WASTE DRAINS TO RIVER" IMPRINTED ON THE TOP.

NOTE: OFFSETS PROVIDED ARE FROM CENTER LINE TO CENTER LINE OF STRUCTURE.



CEMETERY ROAD

- | | | | | | |
|---|---|---|--|---|---|
| <p>STORM SEWER MANHOLE
TY 'A' 48" TY B GR
RIM: 733.00 15" N INV: 728.70
15" S INV: 728.58 12" W INV: 731.20
STA: 230+25 O/S: 38'R</p> <p>STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 735.99 E&W INV: 732.03
STA: 230+25 O/S: 14'R</p> <p>STORM SEWER INLET
TY 'A' 24" TY 11 FR & GR
RIM: 735.10 INV: 730.18
STA: 230+25 O/S: 14'L</p> <p>STORM SEWER MANHOLE
TY 'A' 48" TY B GR
RIM: 733.25 15" N INV: 727.17
15" S INV: 727.21 12" W INV: 730.44
STA: 233+25 O/S: 38'R</p> | <p>STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 735.18 INV: 730.68
STA: 233+25 O/S: 14'R</p> <p>STORM SEWER INLET
TY 'A' 24" TY 11 FR & GR
RIM: 734.17 INV: 731.71
STA: 234+72 O/S: 14'R</p> <p>STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 734.15 E INV: 731.35
W INV: 731.37 S INV: 731.66
STA: 234+80 O/S: 14'R</p> <p>STORM SEWER INLET
TY 'A' 24" TY 1 FR & GR
RIM: 735.10 INV: 730.18
STA: 231+67 O/S: 35'L</p> <p>STORM SEWER MANHOLE
TY 'A' 48" TY B GR
RIM: 734.42 15" N INV: 726.21
15" S INV: 726.25 12" W INV: 731.10
STA: 234+80 O/S: 38'R</p> | <p>STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 734.15 E INV: 731.35
W INV: 731.37 S INV: 731.66
STA: 234+80 O/S: 14'R</p> <p>STORM SEWER INLET
TY 'A' 24" TY 11 FR & GR
RIM: 734.17 INV: 731.71
STA: 234+72 O/S: 14'R</p> <p>STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 734.15 E INV: 731.65
W & S INV: 731.66
STA: 234+80 O/S: 14'L</p> <p>STORM SEWER INLET
TY 'A' 24" TY 11 FR & GR
RIM: 734.17 INV: 731.71
STA: 234+72 O/S: 14'L</p> | <p>STORM SEWER INLET
TY 'A' 24" TY B FR & OL
RIM: 734.25 INV: 731.75
STA: 234+80 O/S: 19'L</p> <p>EX. W/M VALVE VAULT
RIM: 735.89 RECON TO: 734.50
T/P: 729.59 12" N&S
T/P: 729.59 4" E
STA: 235+08 O/S: 14'R</p> <p>EX. W/M VALVE VAULT
RIM: 736.20 RECON TO: 734.78
T/P: 729.20 12"
STA: 235+25 O/S: 8'R</p> <p>EX. SANITARY MANHOLE
RIM: 736.06 RECON TO: 734.70
INV: 720.86 8" S&W
INV: 720.58 8" N
STA: 235+55 O/S: 16'L</p> | <p>EXISTING STORM SEWER MANHOLE
RIM: 734.99 ADJ TO: 734.90
12" N INV: 728.14
STA: 235+04 O/S: 27' L</p> <p>EXISTING STORM SEWER MANHOLE
RIM: 735.94 RECON TO: 734.44
12" S INV: 727.84
INV: 723.54 36" N&W
STA: 235+60 O/S: 17' L</p> <p>STORM SEWER MANHOLE
TY 'A' 24" TY 23 FR & GR
RIM: 734.23 RECON TO: 736.62
12" N (AND W) INV: 730.08
STA: 231+67 O/S: 23' L</p> | <p>15 75 LF 15" SS, CL A, TY 1, @ 1.00% TBF 0.0 CY</p> <p>15A 24 LF 12" SS, CL A, TY 1, @ 3.45% TBF 4.4 CY</p> <p>15B 28 LF 12" SS, CL A, TY 1, @ 3.45% TBF 3.4 CY</p> <p>16 299 LF 15" SS, CL A, TY 1, @ 0.50% TBF 0.0 CY</p> <p>16A 24 LF 12" SS, CL A, TY 1, @ 1.00% TBF 6.3 CY</p> <p>16B 28 LF 12" SS, CL A, TY 1, @ 1.00% TBF 6.0 CY</p> <p>16C 12 LF 12" SS, CL A, TY 1, @ 0.83% TBF 4.3 CY</p> <p>16C 8 LF 4" SS, PVC SDR 35, @ 1.00% TBF 0.0 CY</p> <p>17 155 LF 15" SS, CL A, TY 1, @ 0.60% TBF 0.0 CY</p> <p>17A 25 LF 12" SS, CL A, TY 1, @ 1.00% TBF 5.0 CY</p> <p>17B 8 LF 12" SS, CL A, TY 1, @ 1.00% TBF 0.2 CY</p> <p>17C 28 LF 12" SS, CL A, TY 1, @ 1.00% TBF 1.0 CY</p> <p>17D 8 LF 12" SS, CL A, TY 1, @ 1.00% TBF 0.2 CY</p> <p>17E 5 LF 12" SS, CL A, TY 1, @ 2.00% TBF 0.7 CY</p> <p>18 209 LF 15" SS, CL A, TY 1, @ 0.70% TBF 0.0 CY</p> |
|---|---|---|--|---|---|



- STORM OVER WATER
B/SIM = 732.00
T/WATER = 730.50
- TELEPHONE OVER STORM
- STORM OVER WATER
B/SIM = 730.50
T/WATER = 729.00
- STORM OVER WATER
B/SIM = 731.20
T/WATER = 728.70

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REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA 229+50 TO 236+00
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

DRAWN BY: CGP
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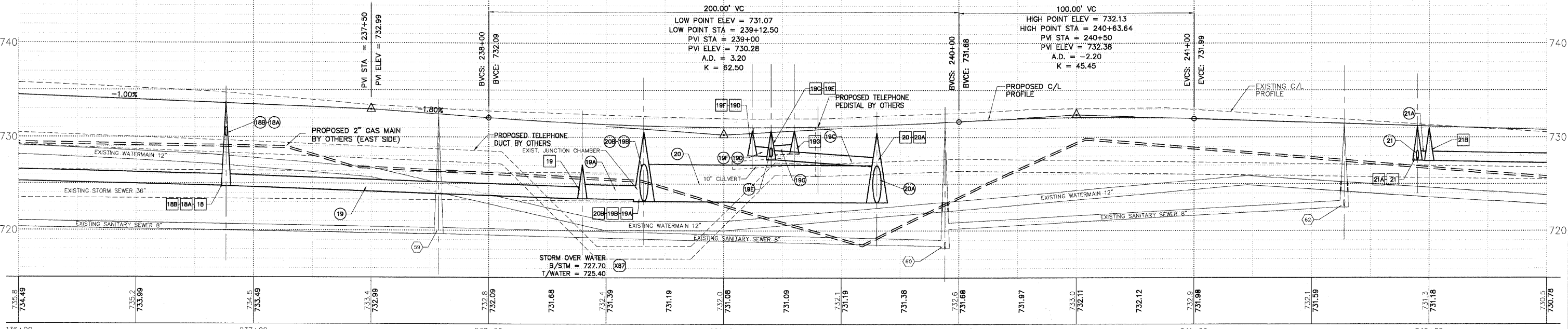
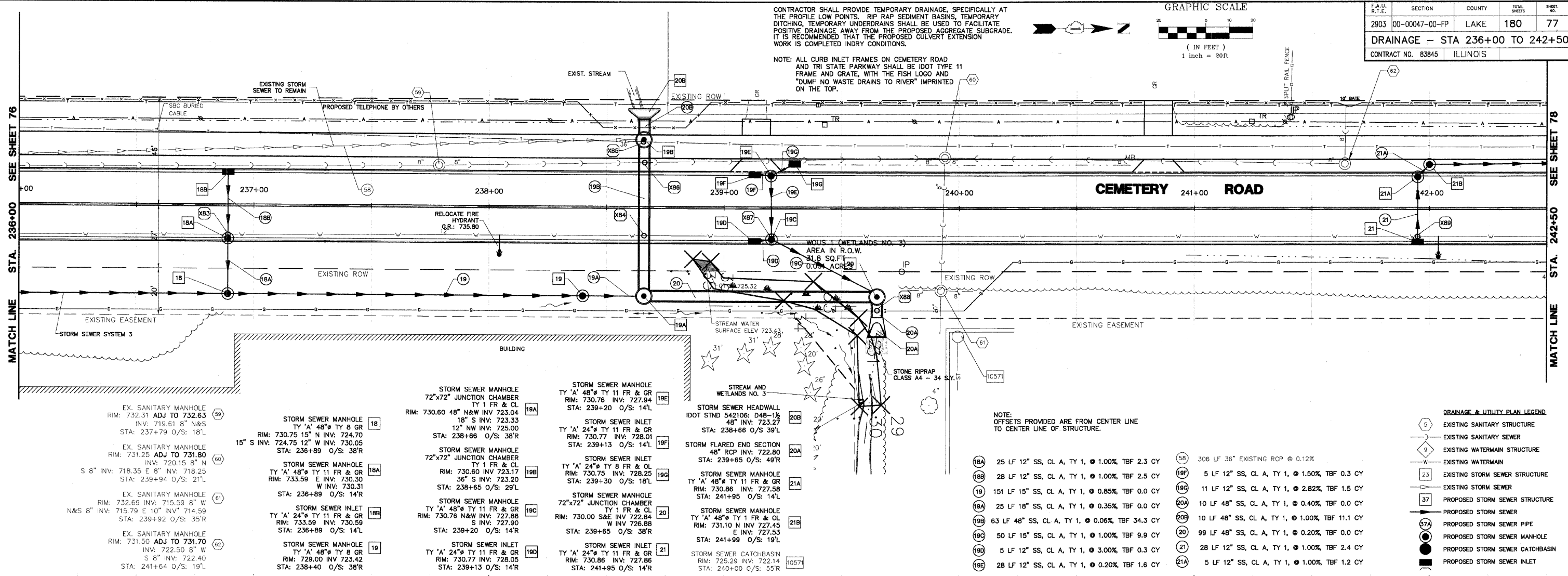
CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS. RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE. IT IS RECOMMENDED THAT THE PROPOSED CULVERT EXTENSION WORK IS COMPLETED IN DRY CONDITIONS.

GRAPHIC SCALE



F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	77
DRAINAGE - STA 236+00 TO 242+50				
CONTRACT NO. 83845 ILLINOIS				

NOTE: ALL CURB INLET FRAMES ON CEMETERY ROAD AND TRI STATE PARKWAY SHALL BE IDOT TYPE 11 FRAME AND GRATE, WITH THE FISH LOGO AND "DUMP NO WASTE DRAINS TO RIVER" IMPRINTED ON THE TOP.



<p>STORM OVER WATER B/STM = 730.10 T/WATER = 728.10</p> <p>STORM OVER WATER B/STM = 722.60 T/WATER = 720.60</p> <p>TELEPHONE UNDER STORM MH</p> <p>STORM OVER SANITARY B/STM = 722.65 T/SAN = 720.46</p>	<p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER GAS B/STM = 722.30 T/GAS = 721.00</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.50</p>	<p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p>	<p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p>	<p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p>	<p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p>	<p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p>	<p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p>	<p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p>	<p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p> <p>STORM OVER WATER B/STM = 727.70 T/WATER = 725.40</p>
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DRAINAGE & UTILITY PLAN LEGEND

- (5) EXISTING SANITARY STRUCTURE
- (9) EXISTING SANITARY SEWER
- (10) EXISTING WATERMAIN STRUCTURE
- (W) EXISTING WATERMAIN
- (23) EXISTING STORM SEWER STRUCTURE
- (SS) EXISTING STORM SEWER
- (37) PROPOSED STORM SEWER STRUCTURE
- (SS) PROPOSED STORM SEWER
- (57A) PROPOSED STORM SEWER PIPE
- (M) PROPOSED STORM SEWER MANHOLE
- (C) PROPOSED STORM SEWER CATCHBASIN
- (I) PROPOSED STORM SEWER INLET

NOTE: OFFSETS PROVIDED ARE FROM CENTER LINE TO CENTER LINE OF STRUCTURE.

(18A)	25 LF 12" SS, CL A, TY 1, @ 1.00% TBF 2.3 CY	(58)	306 LF 36" EXISTING RCP @ 0.12%
(18B)	28 LF 12" SS, CL A, TY 1, @ 1.00% TBF 2.5 CY	(19F)	5 LF 12" SS, CL A, TY 1, @ 1.50% TBF 0.3 CY
(19)	151 LF 15" SS, CL A, TY 1, @ 0.85% TBF 0.0 CY	(19G)	11 LF 12" SS, CL A, TY 1, @ 2.82% TBF 1.5 CY
(19A)	25 LF 18" SS, CL A, TY 1, @ 0.35% TBF 0.0 CY	(20A)	10 LF 48" SS, CL A, TY 1, @ 0.40% TBF 0.0 CY
(19B)	63 LF 48" SS, CL A, TY 1, @ 0.06% TBF 34.3 CY	(20B)	10 LF 48" SS, CL A, TY 1, @ 1.00% TBF 11.1 CY
(19C)	50 LF 15" SS, CL A, TY 1, @ 1.00% TBF 9.9 CY	(21)	99 LF 48" SS, CL A, TY 1, @ 0.20% TBF 0.0 CY
(19D)	5 LF 12" SS, CL A, TY 1, @ 3.00% TBF 0.3 CY	(21A)	28 LF 12" SS, CL A, TY 1, @ 1.00% TBF 2.4 CY
(19E)	28 LF 12" SS, CL A, TY 1, @ 0.20% TBF 1.6 CY	(21B)	5 LF 12" SS, CL A, TY 1, @ 1.00% TBF 1.2 CY

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(815) 478-9700
(815) 478-9700 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-3 LCDOT COMMENTS	11-20-06
PS&S SUBMITTAL	04-10-09

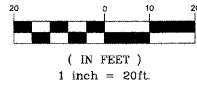
ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA 236+00 TO 242+50
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

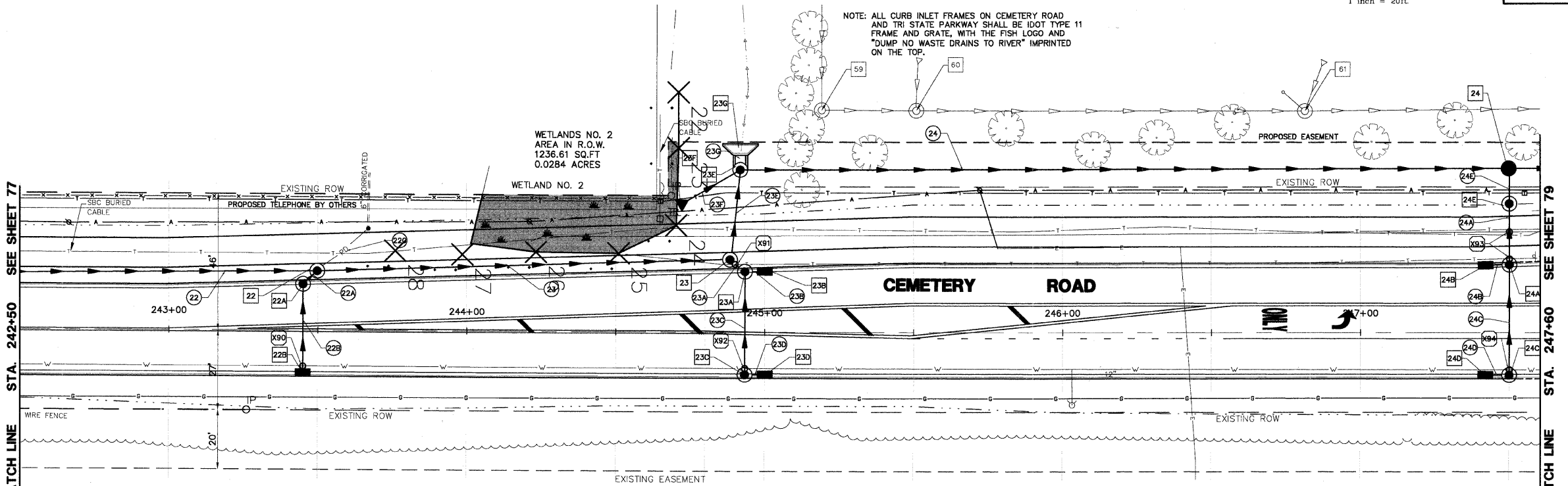
DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS, RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE. IT IS RECOMMENDED THAT THE PROPOSED CULVERT EXTENSION WORK IS COMPLETED IN DRY CONDITIONS.

GRAPHIC SCALE



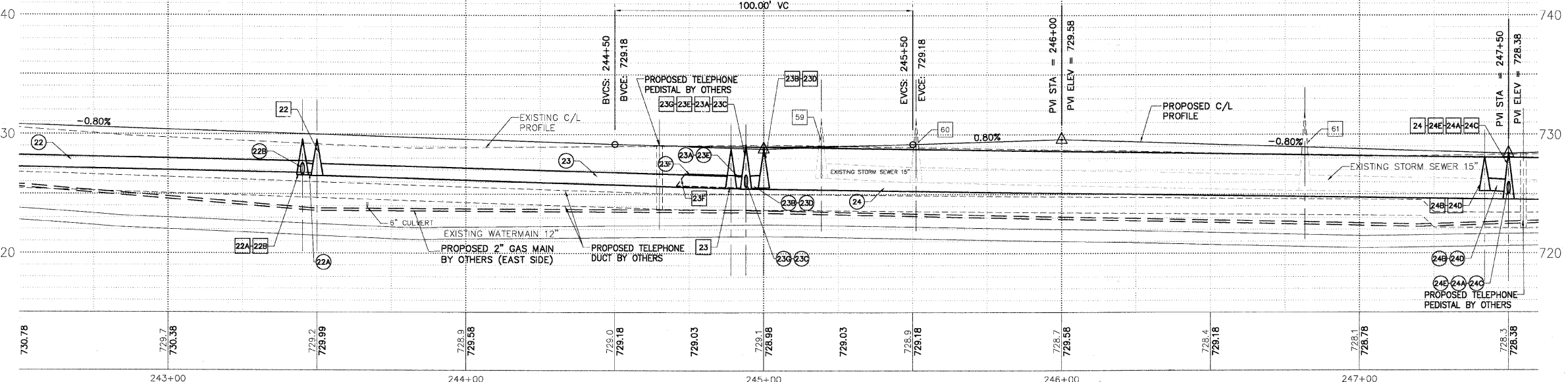
F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	78
DRAINAGE - STA 242+50 TO 247+50				
CONTRACT NO. 83845		ILLINOIS		



<p>STORM SEWER MANHOLE TY 'A' 48" TY 1 FR & CL RIM: 729.55 N INV: 726.50 E INV: 726.53 S & W INV: 726.75 STA: 243+50 O/S: 20'L</p> <p>STORM SEWER MANHOLE TY 'A' 48" TY 11 FR & GR RIM: 729.80 INV: 726.86 STA: 243+45 O/S: 16'L</p> <p>STORM SEWER INLET TY 'A' 24" TY 11 FR & GR RIM: 728.80 INV: 726.86 STA: 243+45 O/S: 14'R</p> <p>STORM SEWER MANHOLE TY 'A' 48" TY 1 FR & CL RIM: 728.98 E&W INV: 725.55 S INV: 725.79 STA: 244+88 O/S: 24'L</p>	<p>STORM SEWER MANHOLE TY 'A' 48" TY 11 FR & GR RIM: 728.60 INV: 725.60 STA: 244+94 O/S: 20'L</p> <p>STORM SEWER INLET TY 'A' 24" TY 11 FR & GR RIM: 728.58 INV: 725.65 STA: 245+00 O/S: 20'L</p> <p>STORM SEWER MANHOLE TY 'A' 48" TY 11 FR & GR RIM: 728.70 INV: 725.71 STA: 244+94 O/S: 14'R</p> <p>STORM SEWER INLET TY 'A' 24" TY 11 FR & GR RIM: 728.69 INV: 725.76 STA: 245+00 O/S: 14'R</p>	<p>STORM SEWER MANHOLE TY 'A' 60" TY 1 FR & CL RIM: 730.60 SE INV: 725.55 N.E.&W INV: 725.45 STA: 244+92 O/S: 53'L</p> <p>12" FLARE END SECTION NW INV: 725.70 STA: 244+73 O/S: 43'L</p> <p>STORM SEWER CATCHBASIN TY 'A' 48" TY 1 FR & CL RIM: 728.47 INV: 724.51 STA: 247+50 O/S: 55'L</p> <p>STORM SEWER MANHOLE TY 'A' 48" TY 1 FR & CL RIM: 727.25 INV: 724.63 STA: 247+50 O/S: 43'L</p>	<p>STORM SEWER MANHOLE TY 'A' 48" TY 11 FR & GR RIM: 728.00 W INV: 724.83 S INV: 724.98 STA: 247+42 O/S: 23'L</p> <p>STORM SEWER INLET TY 'A' 24" TY 11 FR & GR RIM: 728.06 INV: 725.06 STA: 247+42 O/S: 23'L</p> <p>STORM SEWER MANHOLE TY 'A' 48" TY 11 FR & GR RIM: 728.06 W INV: 725.18 STA: 247+50 O/S: 14'R</p> <p>STORM SEWER INLET TY 'A' 24" TY 11 FR & GR RIM: 727.25 INV: 725.26 STA: 247+42 O/S: 14'R</p>	<p>NOTE: ALL CURB INLET FRAMES ON CEMETERY ROAD AND TRI STATE PARKWAY SHALL BE IDOT TYPE 11 FRAME AND GRATE, WITH THE FISH LOGO AND "DUMP NO WASTE DRAINS TO RIVER" IMPRINTED ON THE TOP.</p> <p>NOTE: OFFSETS PROVIDED ARE FROM CENTER LINE TO CENTER LINE OF STRUCTURE.</p> <p>STORM SEWER HEADWALL IDOT STND 542106, D42-1X 42" INV: 725.49 STA: 244+92 O/S: 63'L</p> <p>STORM SEWER MANHOLE RIM: 731.14 15" NW INV: 725.34 STA: 245+20 O/S: 73' L</p> <p>STORM SEWER MANHOLE RIM: 731.15 15" NW INV: 725.65 STA: 245+50 O/S: 73' L</p> <p>STORM SEWER MANHOLE RIM: 732.14 15" N INV: 725.29 S, SW & W INV: 725.29 STA: 246+80 O/S: 73' L</p>	<p>22) 151 LF 12" SS, CL A, TY 1, @ 0.46%, TBF 30.1 CY</p> <p>22A) 5 LF 12" SS, CL A, TY 1, @ 1.80%, TBF 1.0 CY</p> <p>22B) 30 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 2.4 CY</p> <p>22C) 22 LF 4" SS, PVC SDR 35, TY 1, @ 1.00% TBF 3.3 CY</p> <p>23) 138 LF 12" SS, CL A, TY 1, @ 0.50%, TBF 28.7 CY</p> <p>23A) 5 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 0.5 CY</p> <p>23B) 5 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 0.4 CY</p> <p>23C) 33 LF 12" SS, CL A, TY 1, @ 0.33%, TBF 2.4 CY</p> <p>23D) 5 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 0.4 CY</p> <p>23E) 29 LF 15" SS, CL A, TY 1, @ 0.34%, TBF 10.1 CY</p> <p>23F) 22 LF 12" SS, CL A, TY 1, @ 0.68%, TBF 0.0 CY</p> <p>23G) 6 LF 42" SS, CL A, TY 1, @ 0.40%, TBF 0.0 CY</p> <p>24) 258 LF 42" SS, CL A, TY 1, @ 0.36%, TBF 0.0 CY</p> <p>24A) 20 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 9.4 CY</p> <p>24B) 8 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 0.6 CY</p> <p>24C) 37 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 2.7 CY</p> <p>24D) 8 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 0.4 CY</p> <p>24E) 12 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 0.0 CY</p>
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DRAINAGE & UTILITY PLAN LEGEND

- 5) EXISTING SANITARY STRUCTURE
- 9) EXISTING SANITARY SEWER
- 9) EXISTING WATERMAIN STRUCTURE
- W) EXISTING WATERMAIN
- 23) EXISTING STORM SEWER STRUCTURE
- 23) EXISTING STORM SEWER
- 37) PROPOSED STORM SEWER STRUCTURE
- 22) PROPOSED STORM SEWER
- 27A) PROPOSED STORM SEWER PIPE
- 27) PROPOSED STORM SEWER MANHOLE
- 27) PROPOSED STORM SEWER CATCHBASIN
- 27) PROPOSED STORM SEWER INLET



<p>STORM OVER WATER B/STM = 728.60 T/WATER = 724.50</p> <p>TELEPHONE OVER STORM</p> <p>STORM OVER WATER B/STM = 725.50 T/WATER = 723.50</p>	<p>TELEPHONE OVER STORM</p> <p>STORM OVER WATER B/STM = 724.95 T/WATER = 722.50</p>	<p>STORM OVER WATER B/STM = 728.60 T/WATER = 724.50</p> <p>TELEPHONE OVER STORM</p> <p>STORM OVER WATER B/STM = 725.50 T/WATER = 723.50</p>	<p>TELEPHONE OVER STORM</p> <p>STORM OVER WATER B/STM = 724.95 T/WATER = 722.50</p>
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REVISIONS	
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REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA 242+50 TO 247+50
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

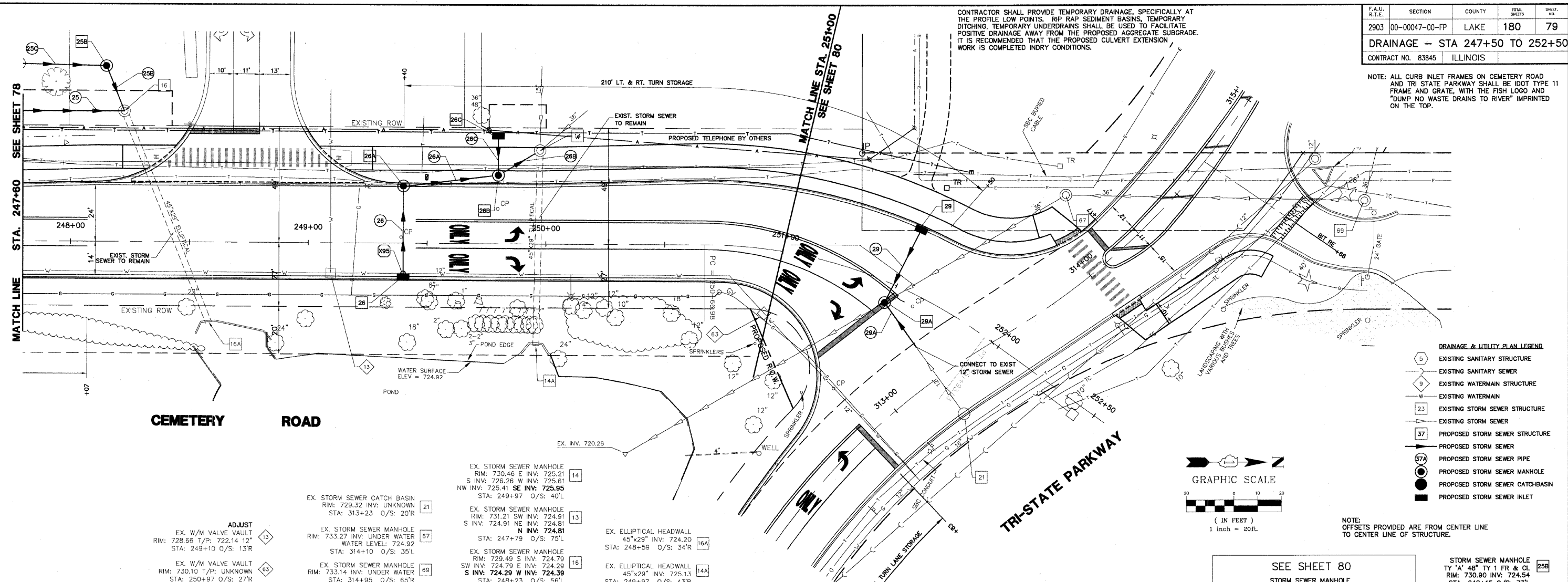
SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	79
DRAINAGE - STA 247+50 TO 252+50				
CONTRACT NO. 83845 ILLINOIS				

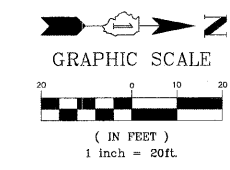
NOTE: ALL CURB INLET FRAMES ON CEMETERY ROAD AND TRI STATE PARKWAY SHALL BE IDOT TYPE 11 FRAME AND GRATE, WITH THE FISH LOGO AND "DUMP NO WASTE DRAINS TO RIVER" IMPRINTED ON THE TOP.

CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE, SPECIFICALLY AT THE PROFILE LOW POINTS. RIP RAP SEDIMENT BASINS, TEMPORARY DITCHING, TEMPORARY UNDERDRAINS SHALL BE USED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE PROPOSED AGGREGATE SUBGRADE. IT IS RECOMMENDED THAT THE PROPOSED CULVERT EXTENSION WORK IS COMPLETED INDRY CONDITIONS.



DRAINAGE & UTILITY PLAN LEGEND

- 5 EXISTING SANITARY STRUCTURE
- 9 EXISTING SANITARY SEWER
- 9 EXISTING WATERMAIN STRUCTURE
- W EXISTING WATERMAIN
- 23 EXISTING STORM SEWER STRUCTURE
- 37 EXISTING STORM SEWER
- PROPOSED STORM SEWER STRUCTURE
- PROPOSED STORM SEWER
- 29A PROPOSED STORM SEWER PIPE
- PROPOSED STORM SEWER MANHOLE
- PROPOSED STORM SEWER CATCH-BASIN
- PROPOSED STORM SEWER INLET



NOTE: OFFSETS PROVIDED ARE FROM CENTER LINE TO CENTER LINE OF STRUCTURE.

CEMETERY ROAD

TRI-STATE PARKWAY

ADJUST
EX. W/M VALVE VAULT
RIM: 728.66 T/P: 722.14 12"
STA: 249+10 O/S: 13'R

EX. W/M VALVE VAULT
RIM: 730.10 T/P: UNKNOWN
STA: 250+97 O/S: 27'R

EX. STORM SEWER MANHOLE
RIM: 729.32 INV: UNKNOWN
STA: 313+23 O/S: 20'R

EX. STORM SEWER MANHOLE
RIM: 733.27 INV: UNDER WATER
WATER LEVEL: 724.92
STA: 314+10 O/S: 35'L

EX. STORM SEWER MANHOLE
RIM: 729.49 S INV: 724.79
SW INV: 724.79 E INV: 724.29
S INV: 724.29 W INV: 724.39
STA: 314+95 O/S: 65'R

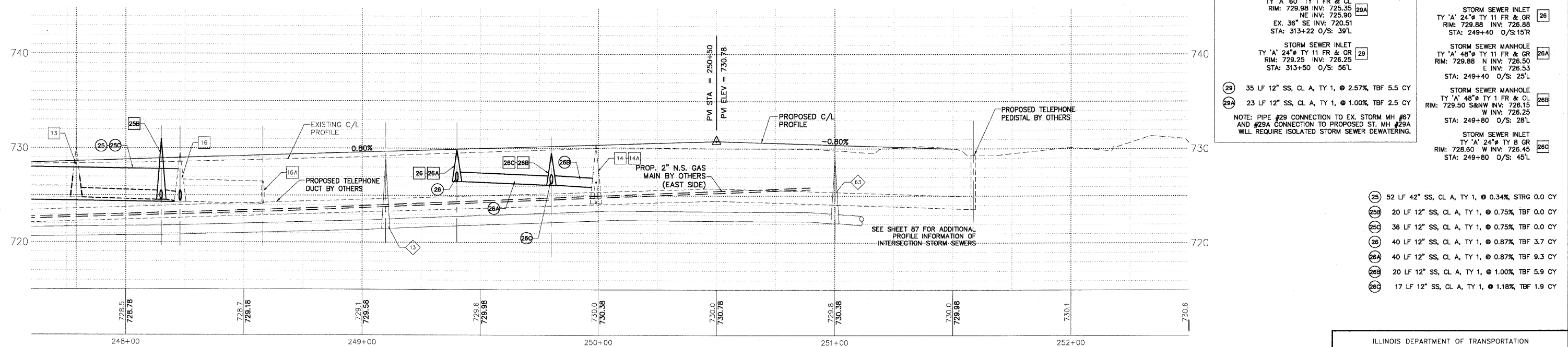
EX. STORM SEWER MANHOLE
RIM: 730.46 E INV: 725.21
S INV: 726.26 W INV: 725.61
NW INV: 725.41 SE INV: 725.95
STA: 249+97 O/S: 40'L

EX. STORM SEWER MANHOLE
RIM: 731.21 SW INV: 724.91
S INV: 724.91 NE INV: 724.81
N INV: 724.81
STA: 247+79 O/S: 75'L

EX. STORM SEWER MANHOLE
RIM: 729.49 S INV: 724.79
SW INV: 724.79 E INV: 724.29
S INV: 724.29 W INV: 724.39
STA: 248+23 O/S: 56'L

EX. ELLIPTICAL HEADWALL
45"x29" INV: 724.20
STA: 248+59 O/S: 34'R

EX. ELLIPTICAL HEADWALL
45"x29" INV: 725.13
STA: 249+97 O/S: 43'R



SEE SHEET 80

STORM SEWER MANHOLE
TY 'A' 60" TY 1 FR & CL
RIM: 729.98 INV: 725.35
NE INV: 725.90
EX. 36" SE INV: 720.51
STA: 313+22 O/S: 39'L

STORM SEWER INLET
TY 'A' 24" TY 11 FR & GR
RIM: 729.25 INV: 726.25
STA: 313+50 O/S: 56'L

NOTE: PIPE #29 CONNECTION TO EX. STORM MH #67 AND #29A CONNECTION TO PROPOSED ST. MH #29A WILL REQUIRE ISOLATED STORM SEWER DEWATERING.

STORM SEWER MANHOLE
TY 'A' 48" TY 1 FR & CL
RIM: 730.90 INV: 724.54
STA: 248+15 O/S: 73'L

STORM SEWER INLET
TY 'A' 24" TY 11 FR & GR
RIM: 729.88 INV: 726.88
STA: 249+40 O/S: 15'R

STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & GR
RIM: 729.88 N INV: 726.50
E INV: 726.53
STA: 249+40 O/S: 25'L

STORM SEWER MANHOLE
TY 'A' 48" TY 11 FR & CL
RIM: 729.50 S&NW INV: 726.15
W INV: 726.25
STA: 249+80 O/S: 28'L

STORM SEWER INLET
TY 'A' 24" TY 8 GR
RIM: 728.60 W INV: 728.45
STA: 249+80 O/S: 45'L

- 25 52 LF 42" SS, CL A, TY 1, @ 0.34%, STRG 0.0 CY
- 25B 20 LF 12" SS, CL A, TY 1, @ 0.75%, TBF 0.0 CY
- 25C 36 LF 12" SS, CL A, TY 1, @ 0.75%, TBF 0.0 CY
- 26 40 LF 12" SS, CL A, TY 1, @ 0.87%, TBF 3.7 CY
- 26A 40 LF 12" SS, CL A, TY 1, @ 0.87%, TBF 9.3 CY
- 26B 20 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 5.9 CY
- 26C 17 LF 12" SS, CL A, TY 1, @ 1.18%, TBF 1.9 CY

STORM OVER WATER
B/STM = 726.40
T/WATER = 726.50

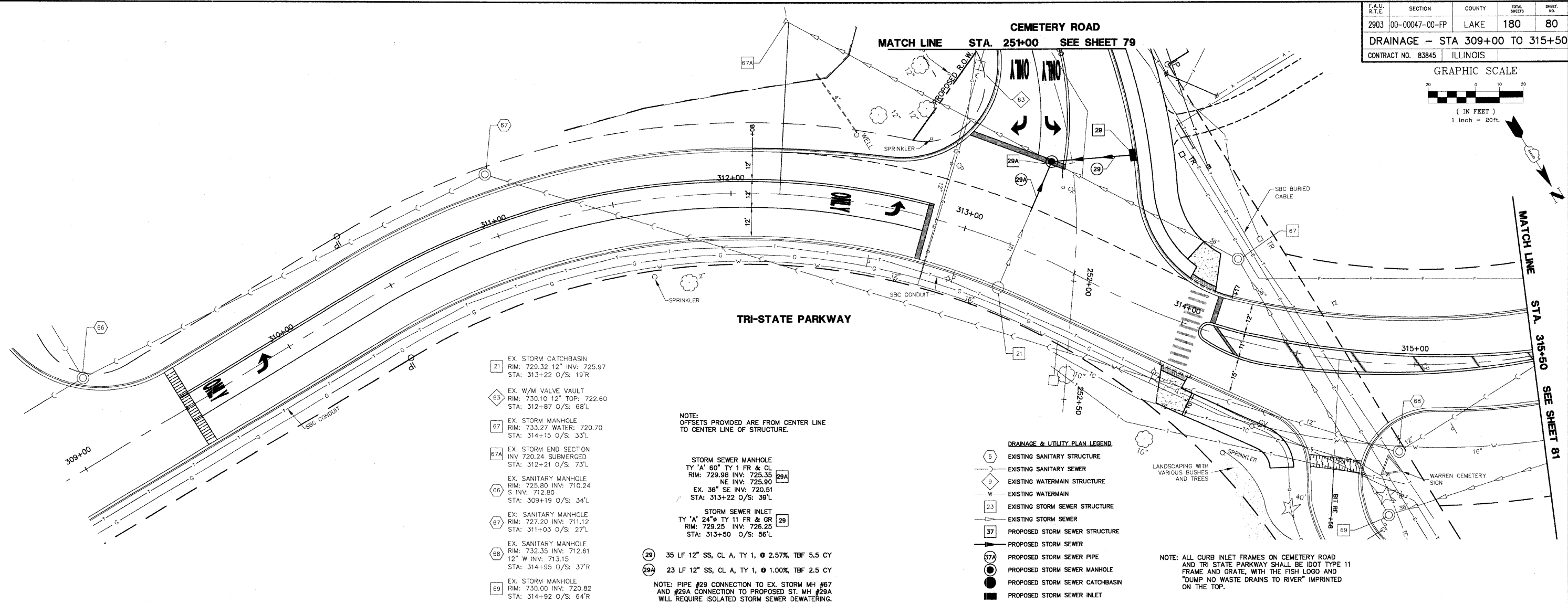
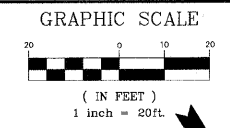
PLANS PREPARED BY:
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PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA 247+50 TO 252+50
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS



- 21 EX. STORM CATCHBASIN
RIM: 729.32 12" INV: 725.97
STA: 313+22 O/S: 19'R
- 63 EX. W/M VALVE VAULT
RIM: 730.10 12" TOP: 722.60
STA: 312+87 O/S: 68'L
- 67 EX. STORM MANHOLE
RIM: 733.27 WATER: 720.70
STA: 314+15 O/S: 33'L
- 67A EX. STORM END SECTION
INV: 720.24 SUBMERGED
STA: 312+21 O/S: 73'L
- 66 EX. SANITARY MANHOLE
RIM: 725.80 INV: 710.24
S INV: 712.80
STA: 309+19 O/S: 34'L
- 67 EX. SANITARY MANHOLE
RIM: 727.20 INV: 711.12
STA: 311+03 O/S: 27'L
- 68 EX. SANITARY MANHOLE
RIM: 732.35 INV: 712.61
12" W INV: 713.15
STA: 314+95 O/S: 37'R
- 69 EX. STORM MANHOLE
RIM: 730.00 INV: 720.82
STA: 314+92 O/S: 64'R

NOTE: OFFSETS PROVIDED ARE FROM CENTER LINE TO CENTER LINE OF STRUCTURE.

STORM SEWER MANHOLE
TY 'A' 60" TY 1 FR & CL 29A
RIM: 729.98 INV: 725.35
NE INV: 725.90
EX. 36" SE INV: 720.51
STA: 313+22 O/S: 39'L

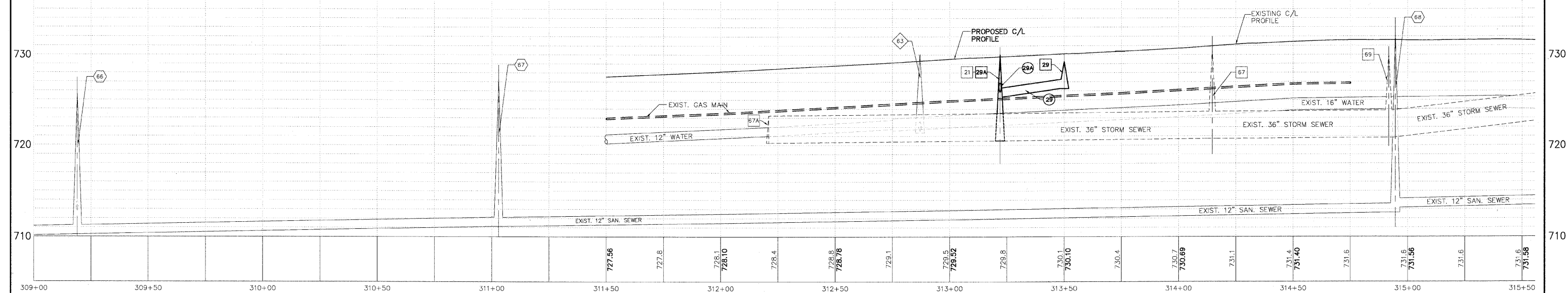
STORM SEWER INLET
TY 'A' 24" TY 11 FR & GR 29
RIM: 729.25 INV: 726.25
STA: 313+50 O/S: 56'L

- 29 35 LF 12" SS, CL A, TY 1, @ 2.57%, TBF 5.5 CY
- 29A 23 LF 12" SS, CL A, TY 1, @ 1.00%, TBF 2.5 CY

NOTE: PIPE #29 CONNECTION TO EX. STORM MH #67 AND #29A CONNECTION TO PROPOSED ST. MH #29A WILL REQUIRE ISOLATED STORM SEWER DEWATERING.

- DRAINAGE & UTILITY PLAN LEGEND**
- 5 EXISTING SANITARY STRUCTURE
 - 9 EXISTING SANITARY SEWER
 - W EXISTING WATERMAIN STRUCTURE
 - W EXISTING WATERMAIN
 - 23 EXISTING STORM SEWER STRUCTURE
 - 37 EXISTING STORM SEWER
 - 37 PROPOSED STORM SEWER STRUCTURE
 - PROPOSED STORM SEWER
 - 67A PROPOSED STORM SEWER PIPE
 - PROPOSED STORM SEWER MANHOLE
 - PROPOSED STORM SEWER CATCHBASIN
 - PROPOSED STORM SEWER INLET

NOTE: ALL CURB INLET FRAMES ON CEMETERY ROAD AND TRI STATE PARKWAY SHALL BE IDOT TYPE 11 FRAME AND GRATE, WITH THE FISH LOGO AND "DUMP NO WASTE DRAINS TO RIVER" IMPRINTED ON THE TOP.



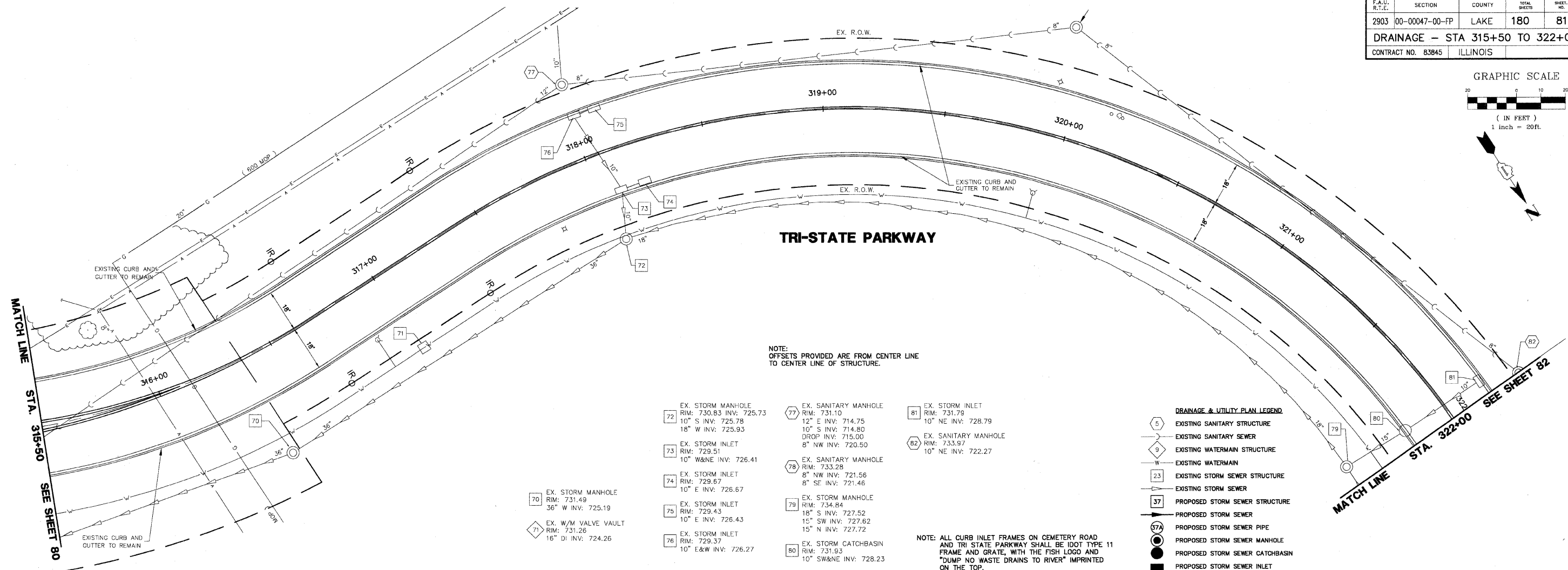
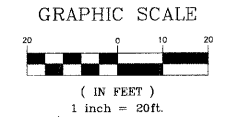
PLANS PREPARED BY:
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REVISIONS	
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REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA 309+00 TO 315+50
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
TRI-STATE PARKWAY

SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

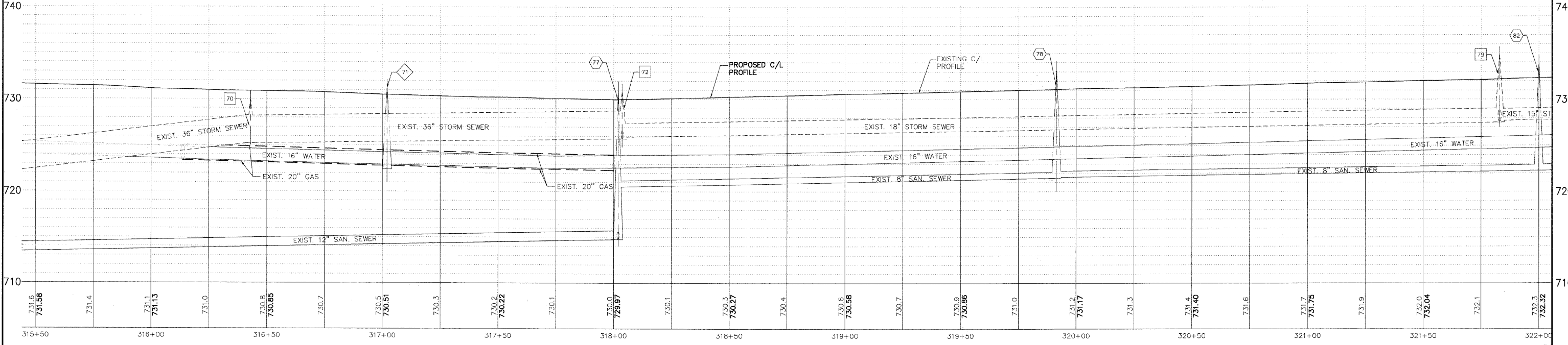


NOTE:
OFFSETS PROVIDED ARE FROM CENTER LINE
TO CENTER LINE OF STRUCTURE.

- | | | | | | |
|----|--|----|--|----|---|
| 72 | EX. STORM MANHOLE
RIM: 730.83 INV: 725.73
10" S INV: 725.78
18" W INV: 725.93 | 77 | EX. SANITARY MANHOLE
RIM: 731.10
12" E INV: 714.75
10" S INV: 714.80
DROP INV: 715.00
8" NW INV: 720.50 | 81 | EX. STORM INLET
RIM: 731.79
10" NE INV: 728.79 |
| 73 | EX. STORM INLET
RIM: 729.51
10" W&NE INV: 726.41 | 78 | EX. SANITARY MANHOLE
RIM: 733.28
8" NW INV: 721.56
8" SE INV: 721.46 | 82 | EX. SANITARY MANHOLE
RIM: 733.97
10" NE INV: 722.27 |
| 74 | EX. STORM INLET
RIM: 729.57
10" E INV: 726.67 | 79 | EX. STORM MANHOLE
RIM: 734.84
18" S INV: 727.52
15" SW INV: 727.62
15" N INV: 727.72 | | |
| 75 | EX. STORM INLET
RIM: 729.43
10" E INV: 726.43 | 80 | EX. STORM CATCHBASIN
RIM: 731.93
10" SW&NE INV: 728.23 | | |
| 76 | EX. STORM INLET
RIM: 729.37
10" E&W INV: 726.27 | | | | |
| 70 | EX. STORM MANHOLE
RIM: 731.49
36" W INV: 725.19 | | | | |
| 71 | EX. W/M VALVE VAULT
RIM: 731.26
16" DI INV: 724.26 | | | | |

- DRAINAGE & UTILITY PLAN LEGEND**
- 5 EXISTING SANITARY STRUCTURE
 - 9 EXISTING SANITARY SEWER
 - 9 EXISTING WATERMAIN STRUCTURE
 - W EXISTING WATERMAIN
 - 23 EXISTING STORM SEWER STRUCTURE
 - 23 EXISTING STORM SEWER
 - 37 PROPOSED STORM SEWER STRUCTURE
 - 37 PROPOSED STORM SEWER
 - 37A PROPOSED STORM SEWER PIPE
 - PROPOSED STORM SEWER MANHOLE
 - PROPOSED STORM SEWER CATCHBASIN
 - PROPOSED STORM SEWER INLET

NOTE: ALL CURB INLET FRAMES ON CEMETERY ROAD
AND TRI STATE PARKWAY SHALL BE IDOT TYPE 11
FRAME AND GRATE, WITH THE FISH LOGO AND
"DUMP NO WASTE DRAINS TO RIVER" IMPRINTED
ON THE TOP.



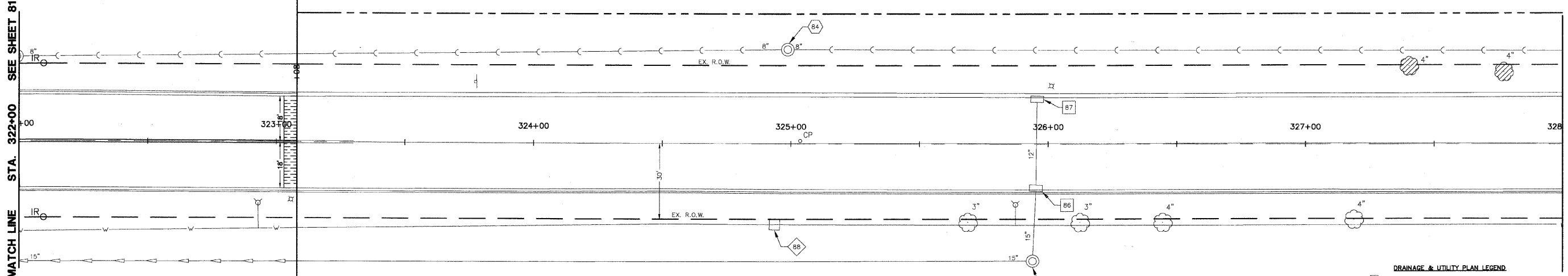
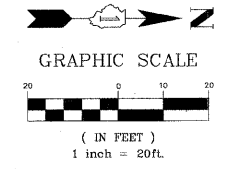
PLANS PREPARED BY:
GEWALT HAMILTON
ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Ridge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA 315+50 TO 322+00
**PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS**
TRI-STATE PARKWAY

SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS



- 84 EX. SANITARY MANHOLE
RIM: 735.86
8" N&S INV: 724.66
- 85 EX. STORM MANHOLE
RIM: 737.34
15" S&W INV: 729.74
- 86 EX. STORM INLET
RIM: 734.36
15" E&W INV: 730.36
- 87 EX. STORM INLET
RIM: 734.29
12" E INV: 730.72
TO BE REMOVED
- 88 EX. W/M VALVE VAULT
RIM: 735.64
16" T/P 730.20

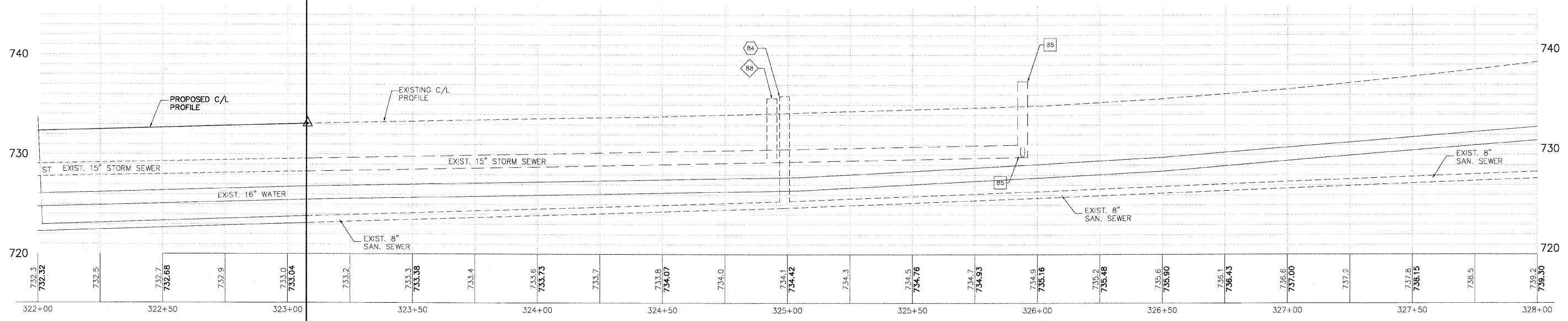
TRI-STATE PARKWAY

NOTE:
OFFSETS PROVIDED ARE FROM CENTER LINE
TO CENTER LINE OF STRUCTURE.

NOTE: ALL CURB INLET FRAMES ON CEMETERY ROAD
AND TRI STATE PARKWAY SHALL BE IDOT TYPE 11
FRAME AND GRATE, WITH THE FISH LOGO AND
"DUMP NO WASTE DRAINS TO RIVER" IMPRINTED
ON THE TOP.

- DRAINAGE & UTILITY PLAN LEGEND**
- 5 EXISTING SANITARY STRUCTURE
 - 7 EXISTING SANITARY SEWER
 - 9 EXISTING WATERMAIN STRUCTURE
 - W EXISTING WATERMAIN
 - 23 EXISTING STORM SEWER STRUCTURE
 - 25 EXISTING STORM SEWER
 - 37 PROPOSED STORM SEWER STRUCTURE
 - PROPOSED STORM SEWER
 - 57A PROPOSED STORM SEWER PIPE
 - PROPOSED STORM SEWER MANHOLE
 - PROPOSED STORM SEWER CATCHBASIN
 - PROPOSED STORM SEWER INLET
 - X05 PROPOSED UTILITY CROSSING

LIMIT OF STAGE 1 IMPROVEMENTS
STA. 323+08



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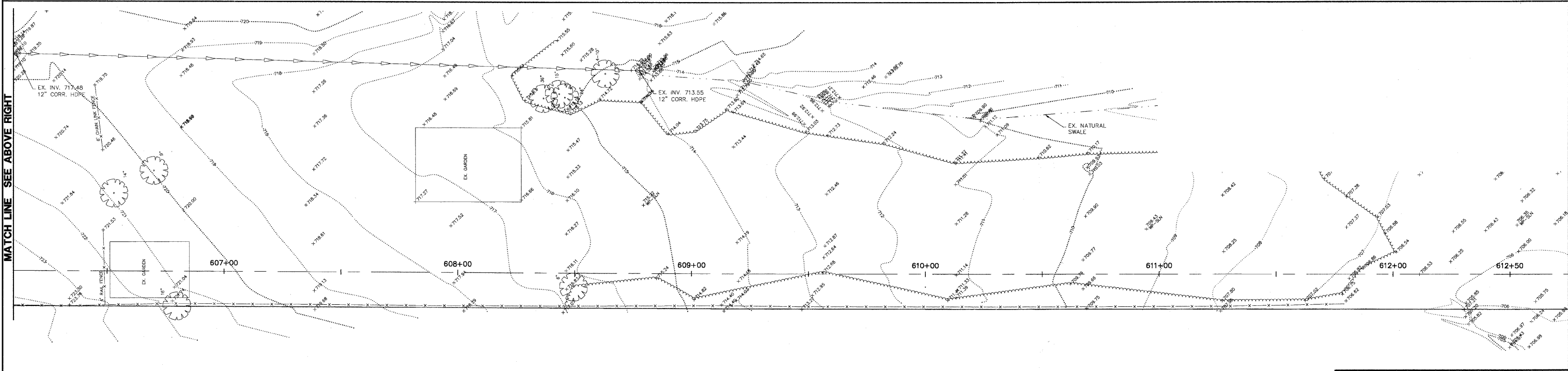
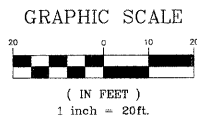
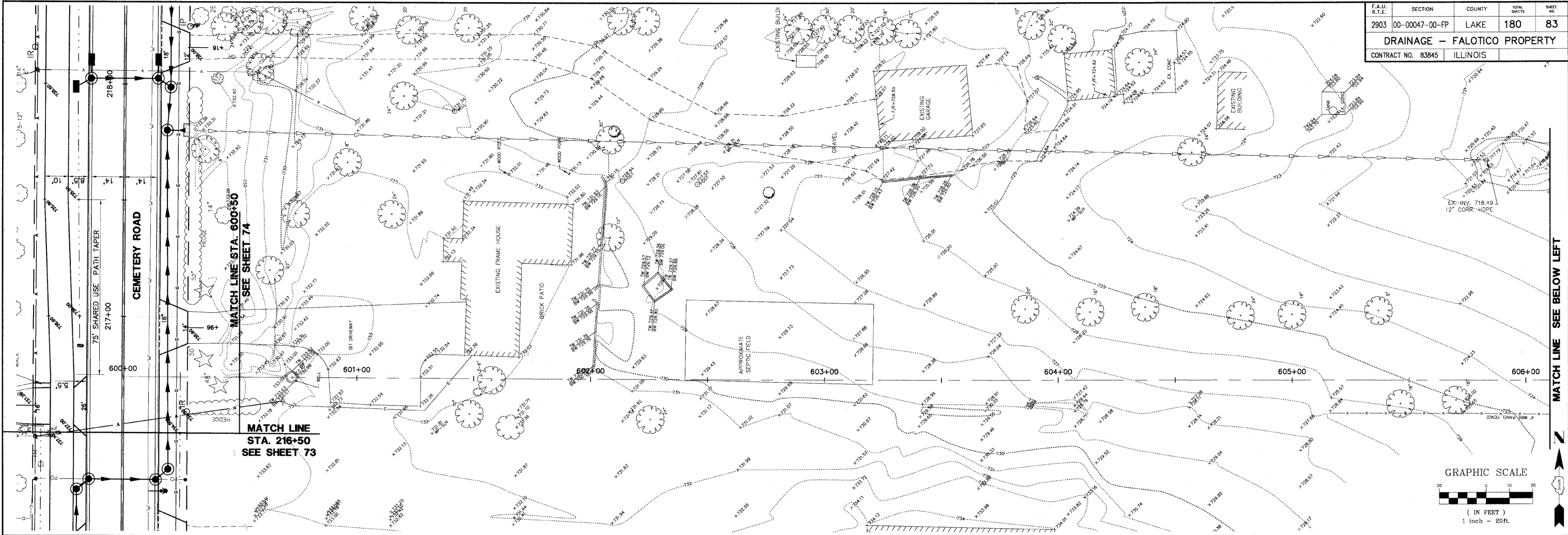
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-05-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
STA 322+00 TO 328+00
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
TRI STATE PARKWAY

SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

DRAWN BY: CGP
DESIGNED BY: TPG
CHECKED BY: BLS

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	83
DRAINAGE - FALOTICO PROPERTY				
CONTRACT NO. 83845		ILLINOIS		



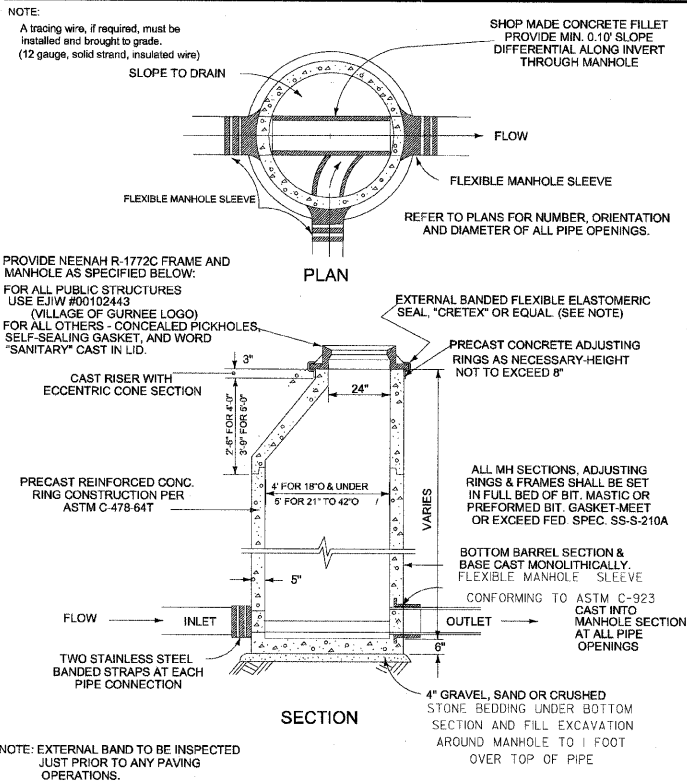
PLANS PREPARED BY:
GEWALT HAMILTON
 ASSOCIATES, INC.
 Consulting Engineers & Surveyors
 860 Forest Edge Drive
 Vernon Hills, IL 60061
 (847) 478-9700
 (847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&S SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAINAGE AND UTILITY PLAN
FALOTICO PROPERTY
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD

SCALE: H: 1"=20' V: 1"=5'
 DATE: 10-05-04

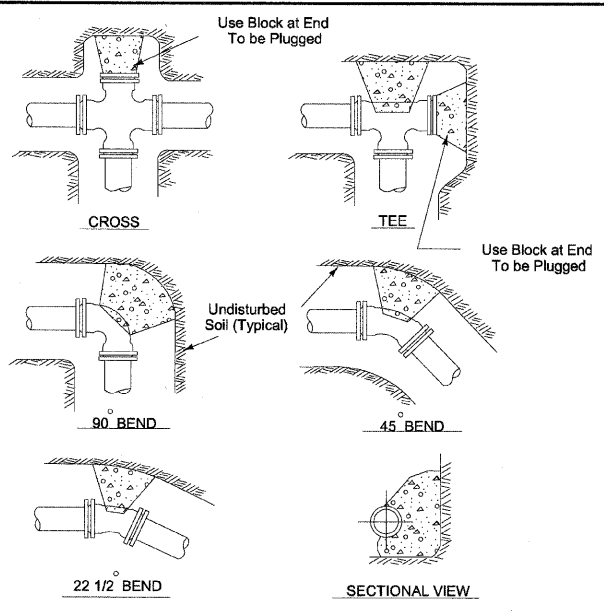
DRAWN BY: CGP
 DESIGNED BY: TPG
 CHECKED BY: BLS



SANITARY MANHOLE

Issued by: DLZ 10/11/00	Approved by: SD 14/06
By: SD	Revised: 14/06
Date: 10/11/00	

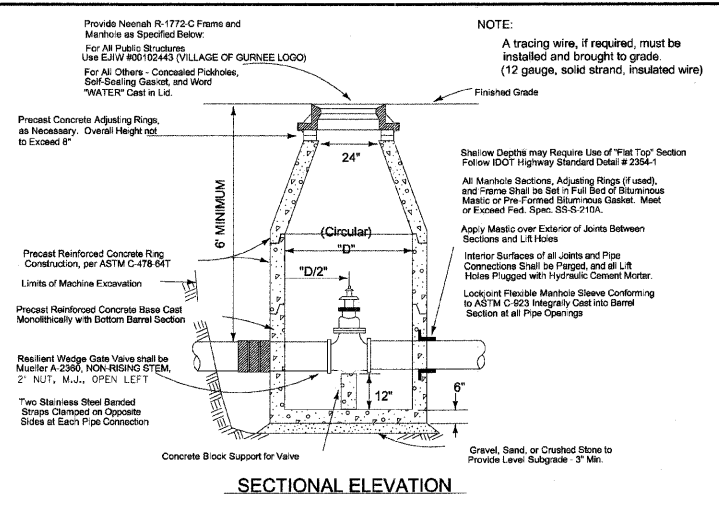
ENGINEERING DEPT. VILLAGE OF GURNEE



THRUST BLOCK INSTALLATION

Issued by: DLZ 10/11/00	Approved by: SD 14/06
By: SD	Revised: 14/06
Date: 10/11/00	

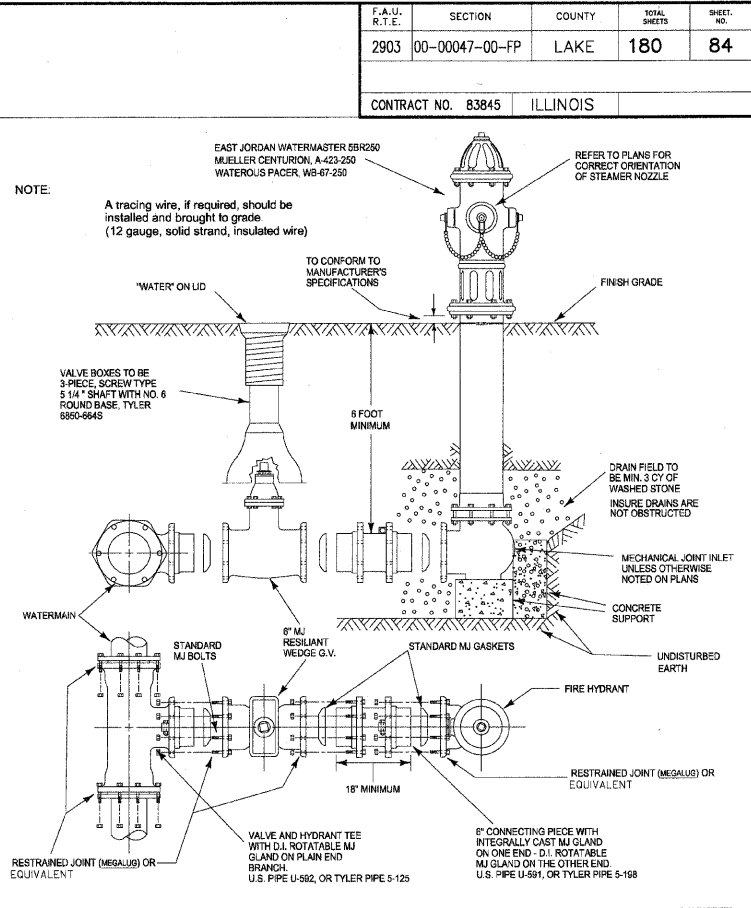
ENGINEERING DEPT. VILLAGE OF GURNEE



WATERMAIN VALVE VAULT

Issued by: DLZ 10/11/00	Approved by: SD 14/06
By: SD	Revised: 14/06
Date: 10/11/00	

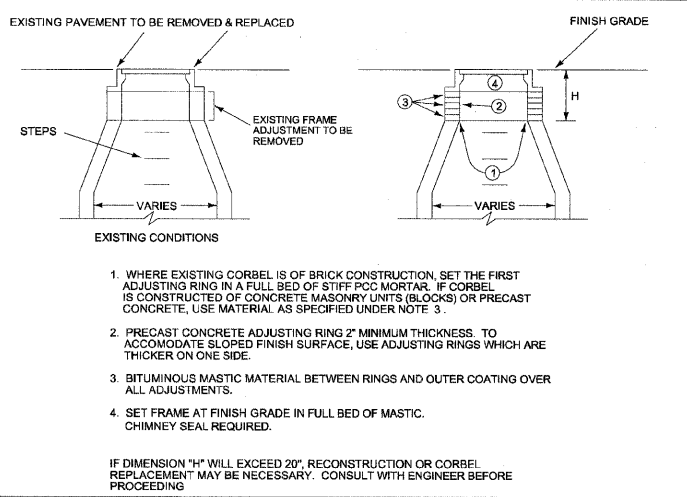
VILLAGE OF GURNEE ENGINEERING DEPARTMENT



TYPICAL HYDRANT INSTALLATION

Issued by: DLZ 10/11/00	Approved by: SD 14/06
By: SD	Revised: 14/06
Date: 10/11/00	

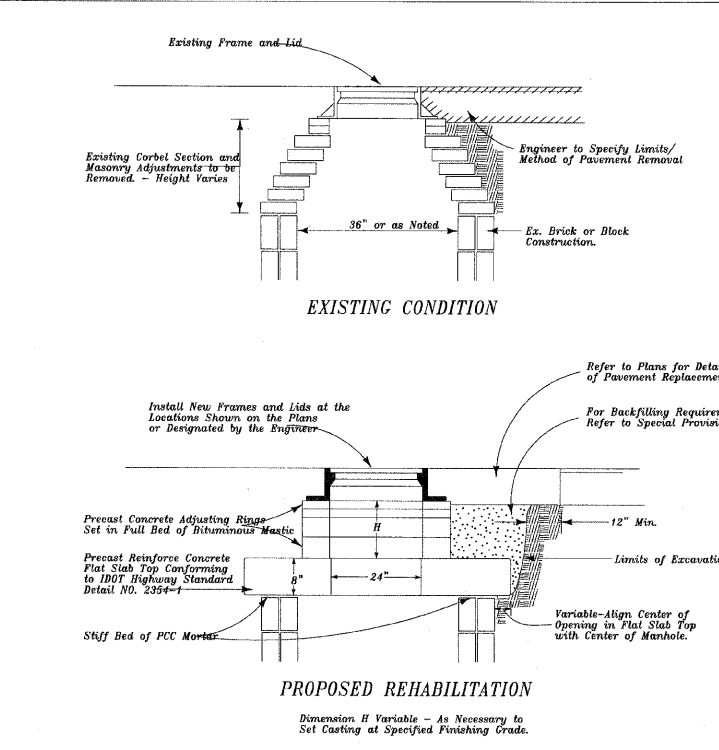
VILLAGE OF GURNEE ENGINEERING DEPARTMENT



"BOX OUT" DETAILS

Issued by: DLZ 10/11/00	Approved by: SD 14/06
By: SD	Revised: 14/06
Date: 10/11/00	

ENGINEERING DEPT. VILLAGE OF GURNEE



SANITARY MANHOLE RECONSTRUCTION

Issued by: DLZ 8-10-88	Approved by: DLZ
By: RMD	Revised: 12-14-80
Date: 8-10-88	

VILLAGE OF GURNEE ENGINEERING DEPARTMENT

STANDARD NO. 029

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
650 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
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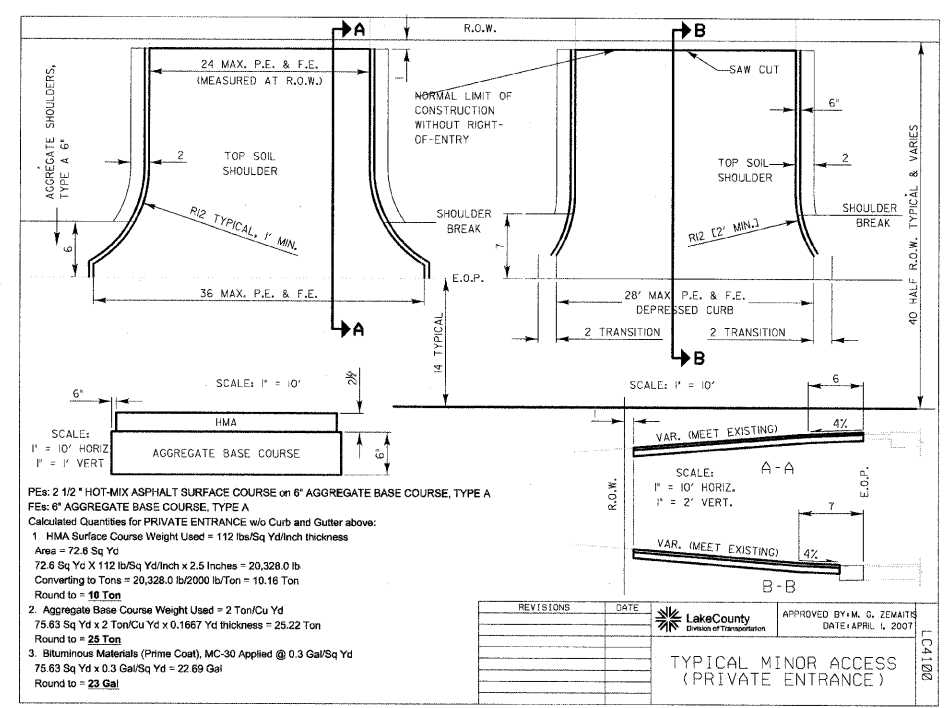
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAIL SHEET

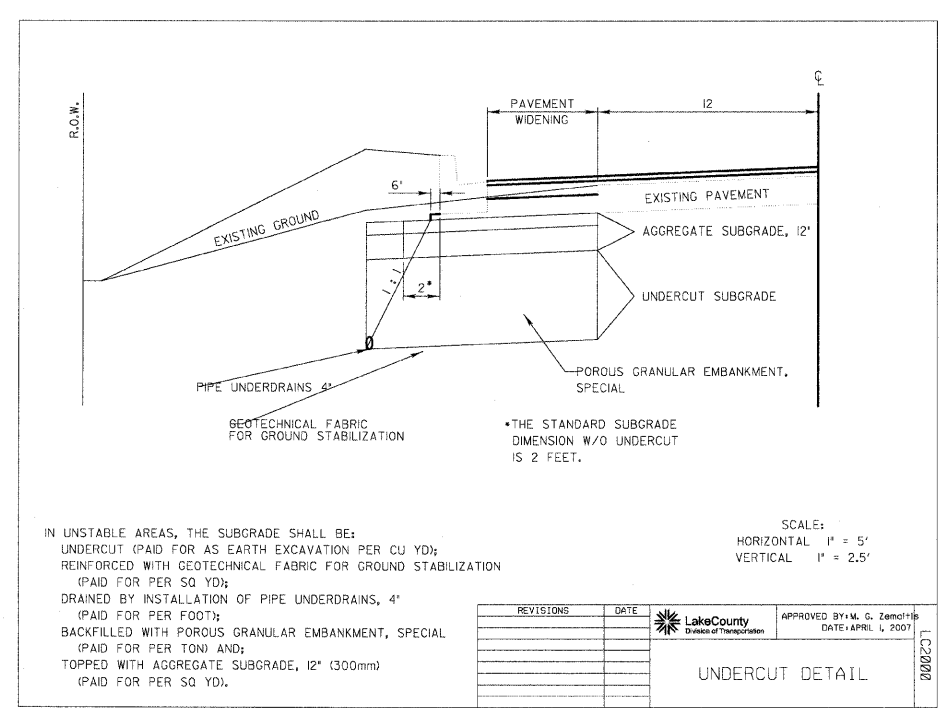
PROPOSED ROADWAY WIDENING AND INTERSECTION IMPROVEMENTS TRI STATE PARKWAY

SCALE: H: 1"=20' V: 1"=5'
DATE: 10-05-04

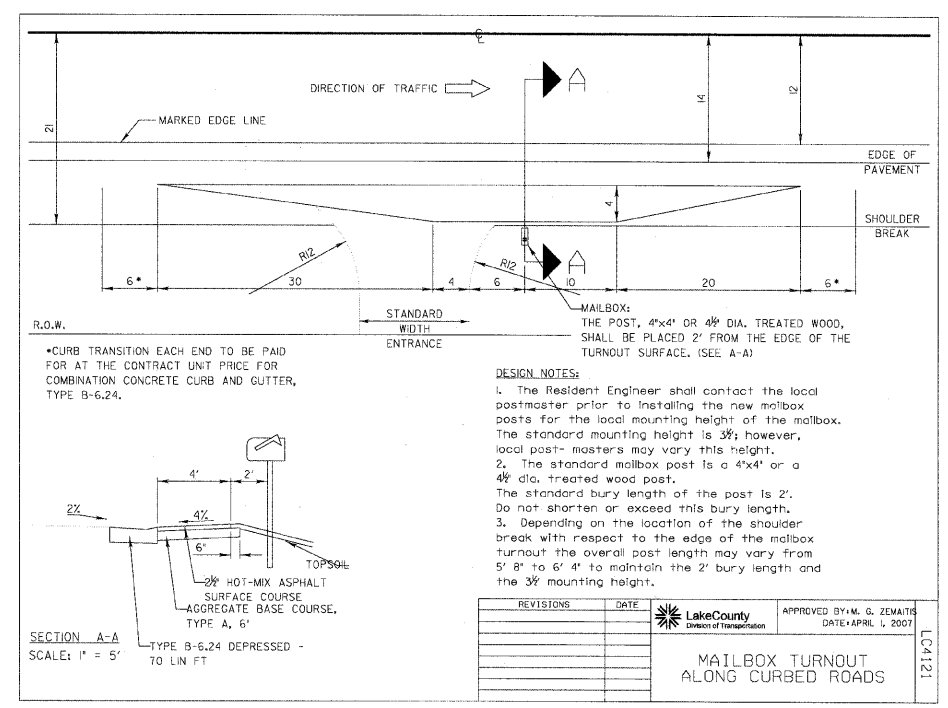
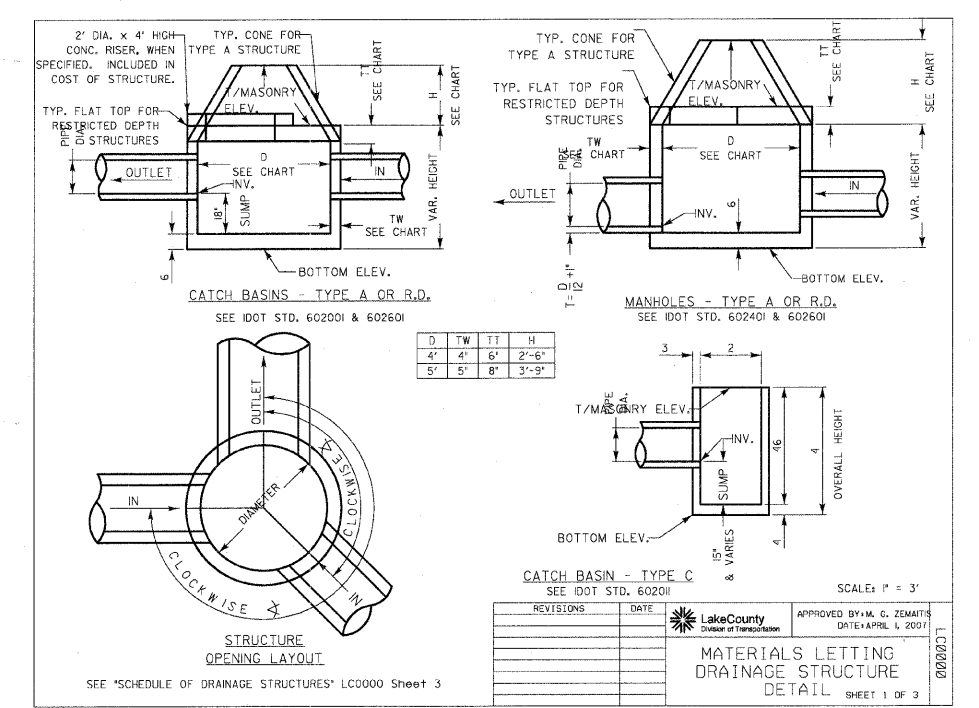
DRAWN BY: COP
DESIGNED BY: TPG
CHECKED BY: BLS



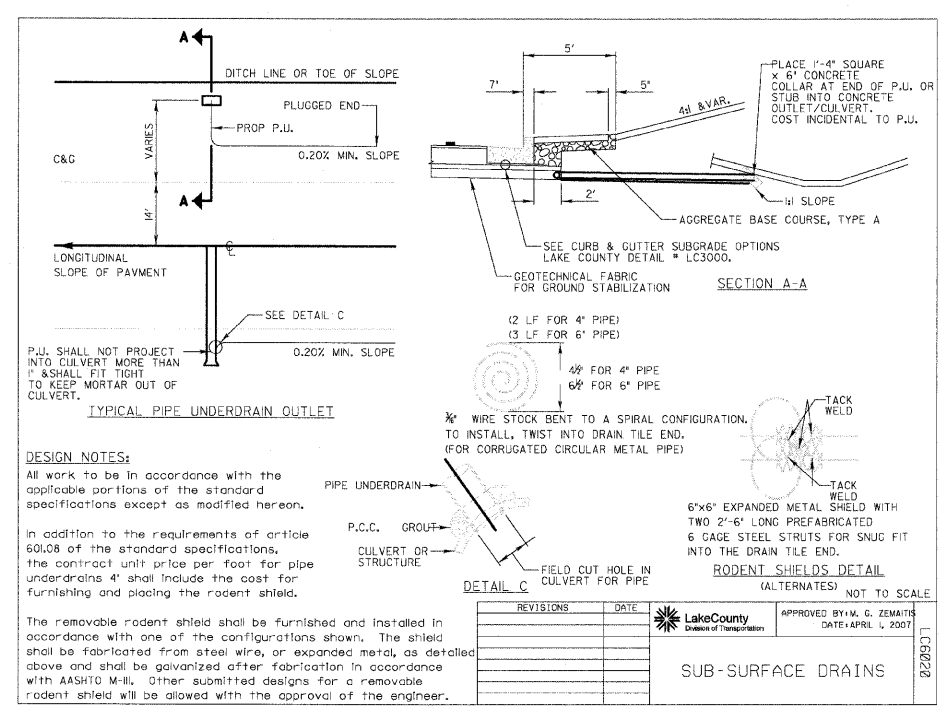
PEs: 2 1/2" HOT-MIX ASPHALT SURFACE COURSE ON 6" AGGREGATE BASE COURSE, TYPE A
 PE: 6" AGGREGATE BASE COURSE, TYPE A
 Calculated Quantities for PRIVATE ENTRANCE with Curb and Gutter above:
 1. HMA Surface Course Weight Used = 112 lbs/Sq Yd (thickness = 2.5 inches)
 Area = 72.6 Sq Yd
 72.6 Sq Yd X 112 lbs/Sq Yd (thickness = 2.5 inches) = 20,328.0 lb
 Converting to Tons = 20,328.0 lb / 2000 lb/Ton = 10.16 Ton
 Round to = **10 Ton**
 2. Aggregate Base Course Weight Used = 2 Ton/Cu Yd
 75.63 Sq Yd X 2 Ton/Cu Yd X 0.1667 Yd thickness = 25.22 Ton
 Round to = **25 Ton**
 3. Bituminous Materials (Prime Coat), MC-30 Applied @ 0.3 Gal/Sq Yd
 75.63 Sq Yd X 0.3 Gal/Sq Yd = 22.69 Gal
 Round to = **23 Gal**



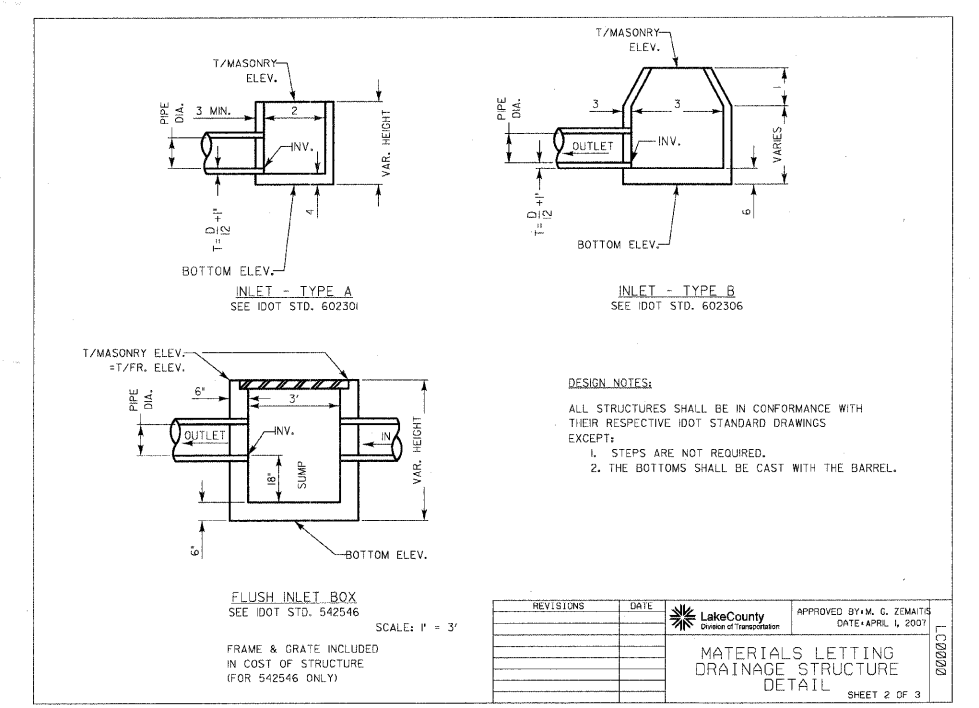
IN UNSTABLE AREAS, THE SUBGRADE SHALL BE:
 UNDERCUT (PAID FOR AS EARTH EXCAVATION PER CU YD);
 REINFORCED WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (PAID FOR PER SQ YD);
 DRAINED BY INSTALLATION OF PIPE UNDERDRAINS, 4" (PAID FOR PER FOOT);
 BACKFILLED WITH POROUS GRANULAR EMBANKMENT, SPECIAL (PAID FOR PER TON) AND;
 TOPPED WITH AGGREGATE SUBGRADE, 12" (300mm) (PAID FOR PER SQ YD).



DESIGN NOTES:
 1. The Resident Engineer shall contact the local postmaster prior to installing the new mailbox posts for the local mounting height of the mailbox. The standard mounting height is 36"; however, local postmasters may vary this height.
 2. The standard mailbox post is a 4"x4" or a 4" dia. treated wood post.
 The standard bury length of the post is 2'. Do not shorten or exceed this bury length.
 3. Depending on the location of the shoulder break with respect to the edge of the mailbox turnout the overall post length may vary from 5' 8" to 6' 4" to maintain the 2' bury length and the 36" mounting height.



DESIGN NOTES:
 All work to be in accordance with the applicable portions of the standard specifications except as modified hereon.
 In addition to the requirements of article 601.08 of the standard specifications, the contract unit price per foot for pipe underdrains 4" shall include the cost for furnishing and placing the rodent shield.
 The removable rodent shield shall be furnished and installed in accordance with one of the configurations shown. The shield shall be fabricated from steel wire, or expanded metal, as detailed above and shall be galvanized after fabrication in accordance with AASHTO M-11. Other submitted designs for a removable rodent shield will be allowed with the approval of the engineer.



DESIGN NOTES:
 ALL STRUCTURES SHALL BE IN CONFORMANCE WITH THEIR RESPECTIVE IDOT STANDARD DRAWINGS EXCEPT:
 1. STEPS ARE NOT REQUIRED.
 2. THE BOTTOMS SHALL BE CAST WITH THE BARREL.

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
 Consulting Engineers & Surveyors
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 Vernon Hills, IL 60061
 (847) 478-9700
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

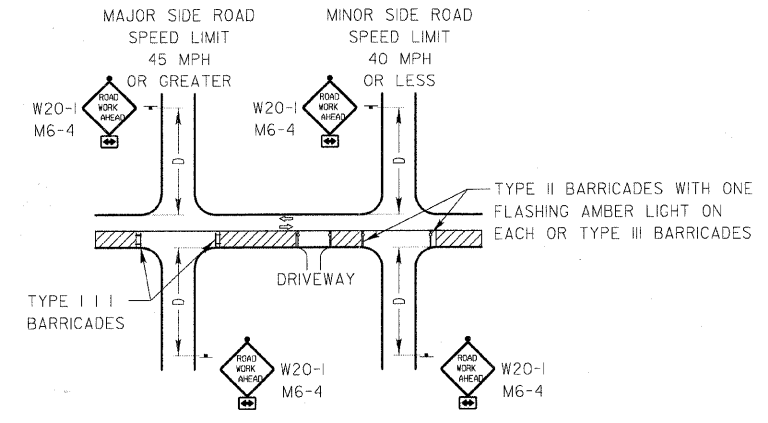
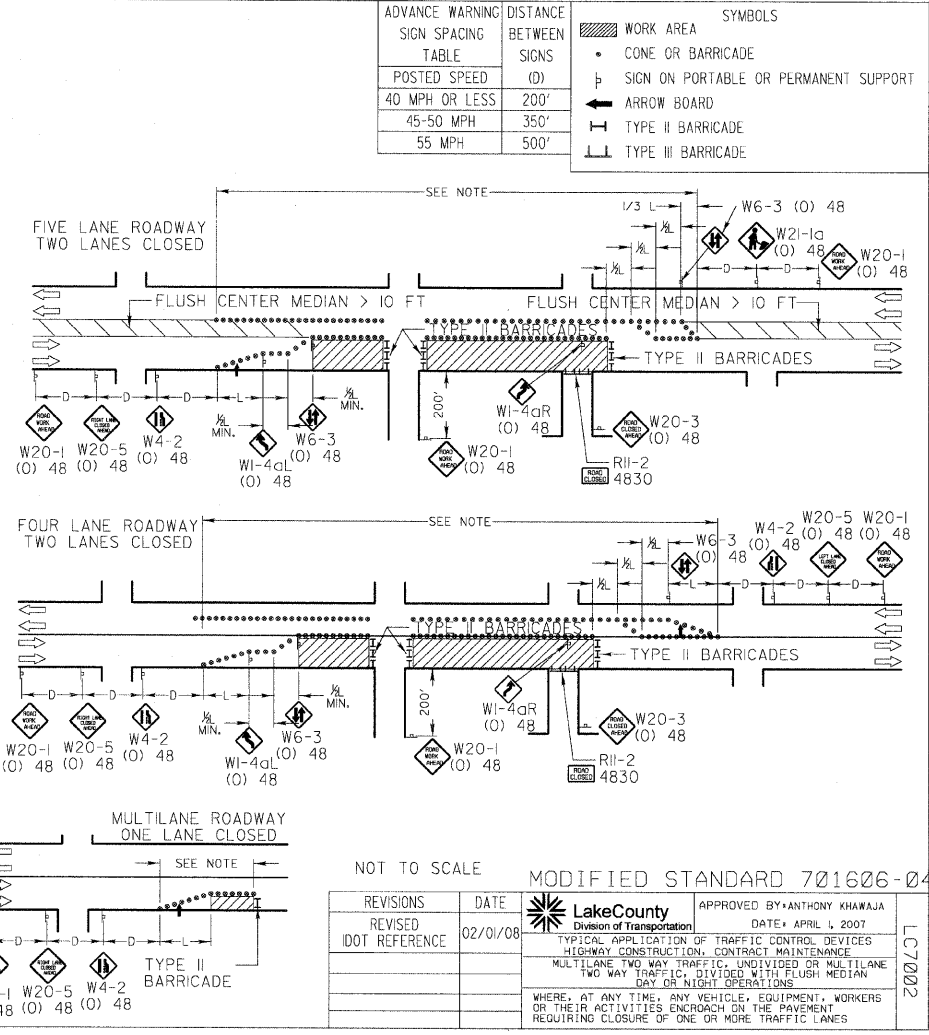
ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAIL SHEET
PROPOSED ROADWAY WIDENING AND INTERSECTION IMPROVEMENTS TRI STATE PARKWAY
 SCALE: H: 1"=20' V: 1"=5'
 DATE: 10-05-04
 DRAWN BY: CGP
 DESIGNED BY: TPC
 CHECKED BY: BLS

DESIGN NOTES:

- All warning signs shall have minimum dimensions of 48" x 48".
- All signs not on the traveled way shall be post mounted. If the closure time exceeds four calendar days, all signs shall be posted with the bottom of the sign not less than 7' above the edge of pavement. "NO PARKING" signs shall be installed throughout the work area at the discretion of the engineer.
- The distance "L" shall be defined as:

$$L = \frac{WS^2}{100}$$
 where W = Width of Closure in FEET and S = Normal Posted Speed Limit in MPH.
 45 mph or greater, L = LANE WIDTH x SPEED LIMIT Lane Width in FEET; Speed Limit in MPH.
- Type II barricades with Type C steady burning lights shall be used in lieu of cones for night operations. All cones and barricades shall be in accordance with Standard 70190.
- Type A flashing lights shall be used on each approach in advance of the work area during hours of darkness and installed above the first two signs in each series and the high level warning devices.
- If the work operation is performed between 9:00 am and 3:00 pm and the work does not exceed 15 minutes, the traffic protection shall be as shown for Standard 70130L. Signs, when required, shall be at the spacing specified in the Advance Warning Sign Spacing Table.
- If the work area is in the parking lane and the parking exists during work hours, a "ROAD WORK AHEAD" sign shall be installed in advance of work area at the spacing specified in the Advance Warning Sign Spacing Table and the area protected with cones or barricades.
- Longitudinal dimensions may be adjusted to fit field conditions.
- Form BT 725 is required.

NOTE:
 CONES AT 25' CENTERS FOR 250'.
 ADDITIONAL CONES MAY BE PLACED AT 50' CENTERS.
 WHEN BARRICADES ARE USED, THE DISTANCE BETWEEN DEVICES MAY BE DOUBLED.



- For a side road with a speed limit of 40 mph or less, the closed portion of the main route shall be protected by blocking with Type II or Type III barricades, 1/3 of the cross section of the closed portion of the roadway.
- For a side road with a speed limit of 45 mph or greater, 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 of the roadway.
- All W20-1 "ROADWORK AHEAD" signs shall be 48" x 48" with fluorescent orange reflective sheeting with an amber Type A flashing light mounted on the sign.
- When the side road lies between the beginning of the mainline signing and the work zone, a M6-1 Single Headed Arrow shall be used in lieu of the M6-4 Double Headed Arrow.
- For a lane closure on a side road or driveway, use the applicable portions of the appropriate Highway Standard or Traffic Control Detail. The spacing of the 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.
- Advance warning signs shall be omitted on driveways unless otherwise noted.
- The traffic control and protection for side roads and intersections shall be included in the contract unit lump sum price for "TRAFFIC CONTROL AND PROTECTION."

ADVANCE WARNING SIGN SPACING TABLE	DISTANCE BETWEEN SIGNS
40 MPH OR LESS	200'
45 MPH OR GREATER	350'
55 MPH	500'

NOT TO SCALE

REVISIONS	DATE

MODIFIED DISTRICT ONE
SIDE ROAD DETAIL

REVISIONS	DATE

LakeCounty
 Division of Transportation
 APPROVED BY ANTHONY KHAWAJA
 DATE: APRIL 1, 2007

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES, HIGHWAY
 CONSTRUCTION, CONTRACT MAINTENANCE AND UTILITY OPERATIONS
 TRAFFIC CONTROL AND PROTECTION FOR
 SIDEROADS, INTERSECTIONS AND DRIVEWAYS
 WHERE, AT ANY TIME, ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR
 ACTIVITIES ENCRUSH ON THE PAVEMENT (DURING SPEEDY
 OPERATIONS, OR WHERE CONSTRUCTION REQUIRES LANE CLOSURES.

LC7004

PLANS PREPARED BY:

GEWALT HAMILTON
ASSOCIATES, INC.

Consulting Engineers & Surveyors
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 Vernon Hills, IL 60061
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 (847) 478-9701 Fax

REVISIONS	
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REV.-2	06-02-06
REV.-3 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAIL SHEET
 PROPOSED ROADWAY RECONSTRUCTION
 AND TRAFFIC SIGNAL IMPROVEMENTS
 CEMETERY ROAD AND
 WASHINGTON STREET

DATE: 10-15-04
 CHECKED BY: BLS

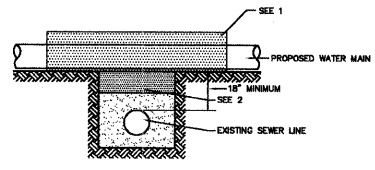
DRAWN BY: CGP

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

NOTE: CLASS IV MATERIAL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.

GUIDELINES

- OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF PIPE AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR 10 FEET ON EITHER SIDE OF SEWER LINE.
- IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.

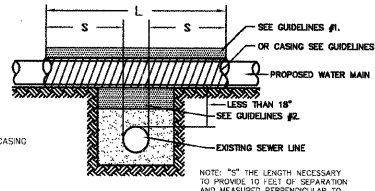


PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B

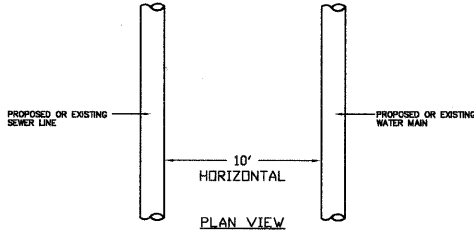
GUIDELINES

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

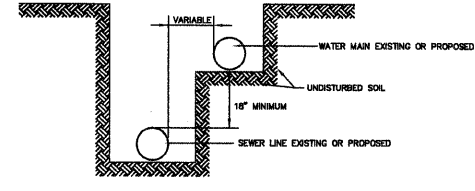


WATER AND SEWER SEPARATION REQUIREMENTS

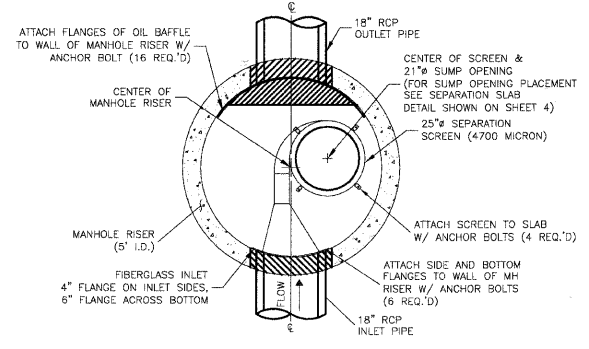
WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED. SEE SECTION 41-2.01B (1)



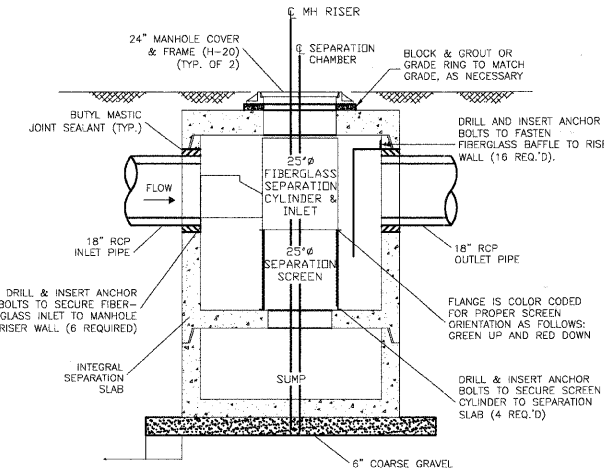
WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY. SEE SECTION 41-2.01B (2)



WATER AND SEWER SEPARATION REQUIREMENTS

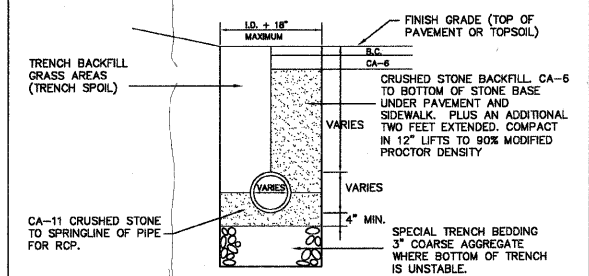


- NOTES:**
- ALL CONCRETE COMPONENTS SHALL BE CONSTRUCTED PER ASTM C-478.
 - ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI.

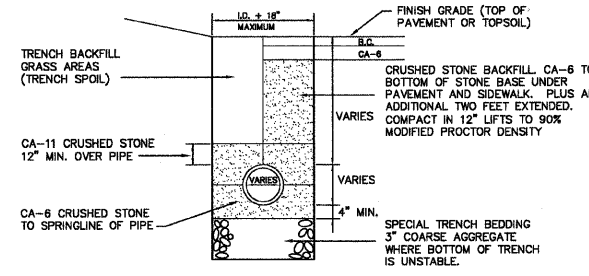


NOTE:
ALTERNATE TREATMENT UNITS MAY BE USED, IF APPROVED BY VILLAGE AND ENGINEER.

STORM WATER TREATMENT UNIT CONSTRUCTION NOTES



STORM TRENCH DETAIL

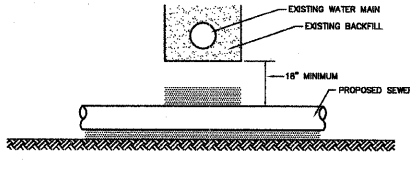


WATERMAIN TRENCH DETAIL

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

GUIDELINES

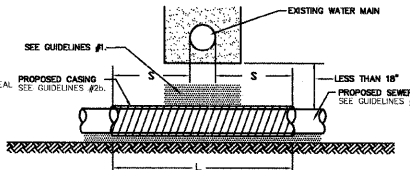
- PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.



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

GUIDELINES

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

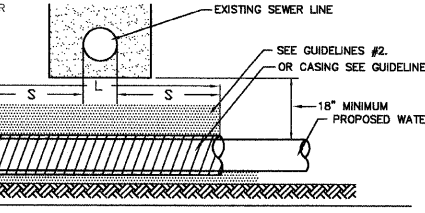


WATER AND SEWER SEPARATION REQUIREMENTS

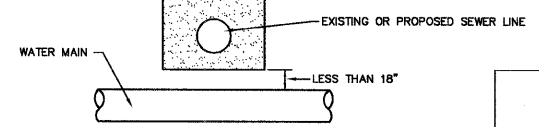
PROPOSED WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION.

GUIDELINES

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



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



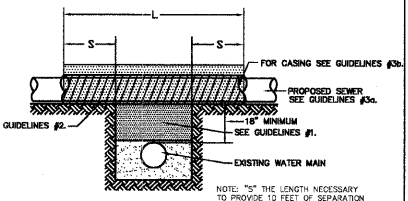
WATER AND SEWER SEPARATION REQUIREMENTS

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

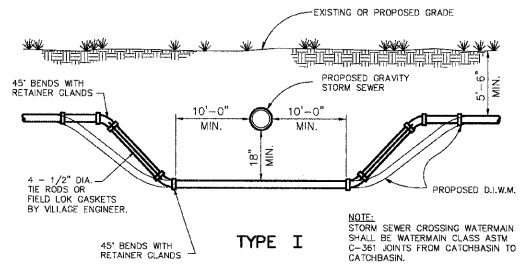
NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B

GUIDELINES

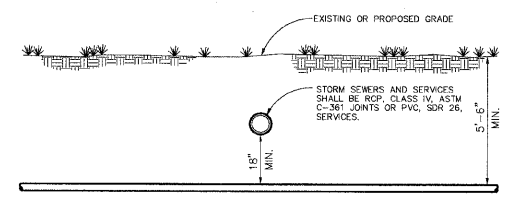
- IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
- OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH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



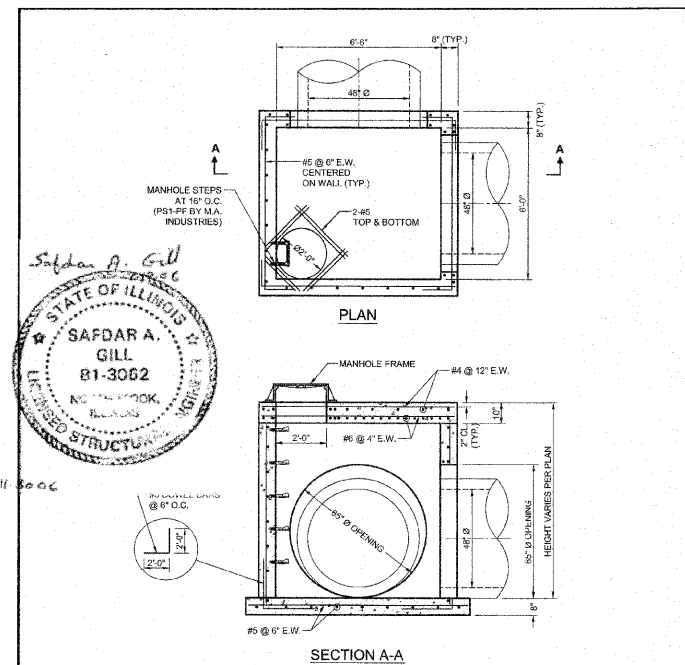
WATER AND SEWER SEPARATION REQUIREMENTS



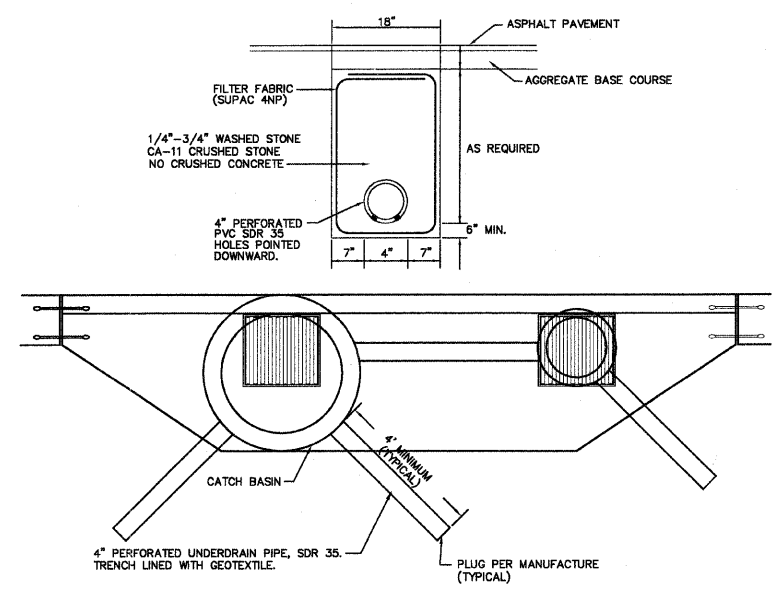
TYPE I



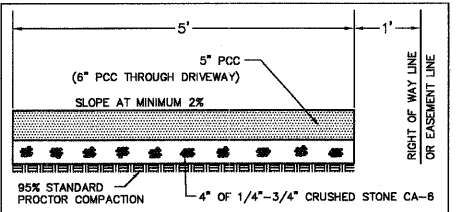
TYPE II WATERMAIN CROSSING



72"x72" JUNCTION CHAMBER DETAIL



FINGERDRAIN DETAIL



PCC SIDEWALK DETAIL

- NOTE:**
- SET 3/4" EXPANSION JOINTS AT POINTS ABUTTING CURB OR PAVEMENT AND AT 45' MAX. INTERVALS.
 - CONTROL JOINTS SHALL BE 1/8" TO 1/4" WIDE AND 1/4" OF THE SIDEWALK THICKNESS DEEP. THE EDGE OF THE CONTROL JOINTS SHALL BE GIVEN A 1/4" RADIUS.
 - TWO #5 DEFORMED STEEL BARS SHALL BE INSTALLED IN THE SIDEWALK CENTERED OVER ALL TRENCH CROSSINGS. THEY SHALL EXTEND 10 FEET BEYOND THE EDGES OF THE TRENCH.

PLANS PREPARED BY:

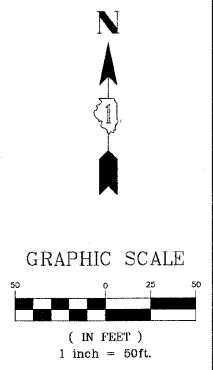
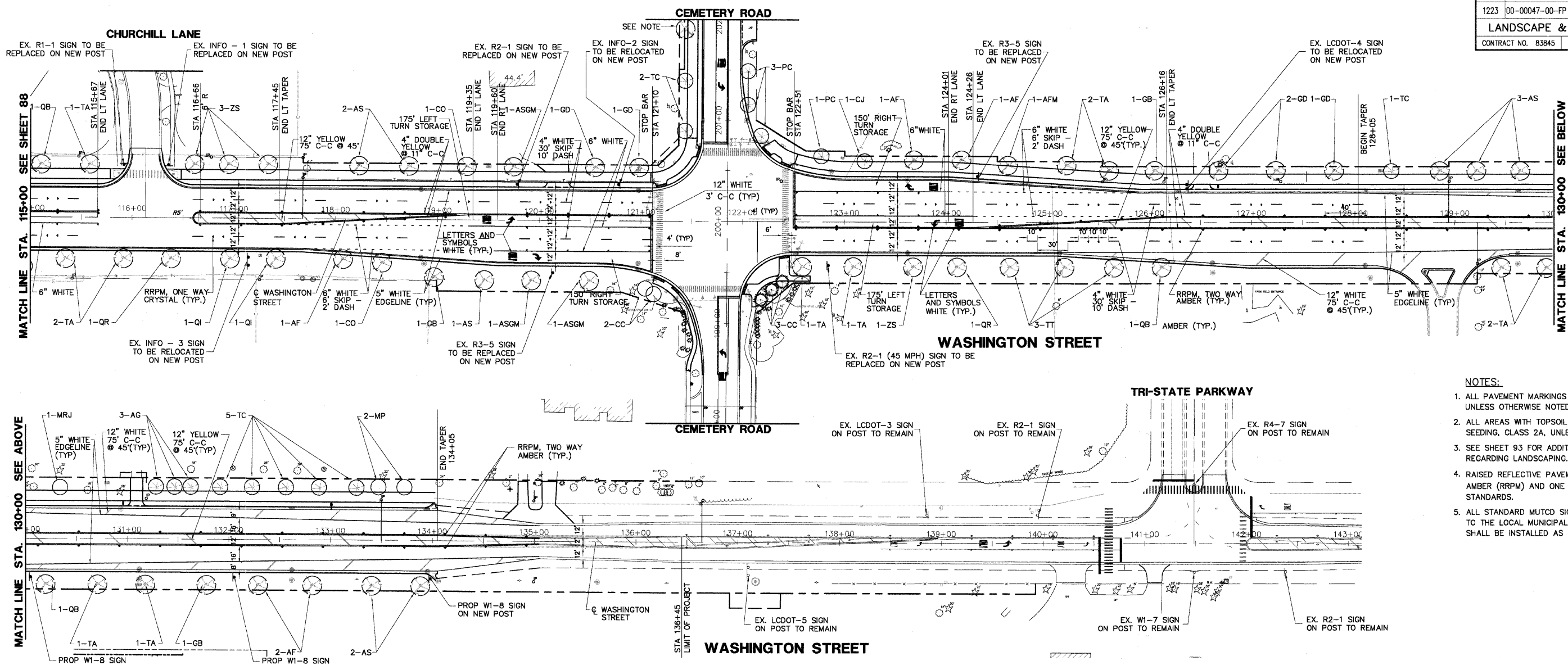
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Verona, Ill. 60091
(917) 478-9700
(917) 478-9701 Fax

REVISIONS	
NAME	DATE
REV-1 IDOT COMMENTS	02-03-06
REV-2	06-02-06
REV-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAIL SHEET
PROPOSED ROADWAY RECONSTRUCTION AND TRAFFIC SIGNAL IMPROVEMENTS CEMETERY ROAD AND WASHINGTON STREET

DATE: 10-15-04
DRAWN BY: CGP
CHECKED BY: BLS



- NOTES:**
1. ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 2. ALL AREAS WITH TOPSOIL SHALL BE SEEDED WITH SEEDING, CLASS 2A, UNLESS OTHERWISE NOTED.
 3. SEE SHEET 93 FOR ADDITIONAL DETAILS REGARDING LANDSCAPING.
 4. RAISED REFLECTIVE PAVEMENT MARKER, TWO WAY AMBER (RRPM) AND ONE WAY CRYSTAL PER IDOT STANDARDS.
 5. ALL STANDARD MUTCD SIGNS SHALL BE SALVAGED TO THE LOCAL MUNICIPALITY. NEW SIGN PANELS SHALL BE INSTALLED AS SHOWN.

NOTE:
FOR ALTERNATE EAST END PAVEMENT MARKINGS,
FROM STA. 127+00 TO STA. 134+05,
SEE SHEET 93.

STREET TREE SCHEDULE OF QUANTITY

Sym.	Botanic Name/Common Name	Qty.	Size	Sym.	Botanic Name/Common Name	Qty.	Size
Large Shade Trees				Medium Shade Trees			
AF	Acer x freemianii "Autumn Blaze"	5	3" BB	AG	Alnus glutinosa	3	8' clump
AFM	Acer x freemianii "Marmo"	1	2 1/2" BB	CJ	Cercidiphyllum japonicum	1	8' clump
AS	Acer saccharum	8	3" BB	PC	Pyrus calleryana "Chanticleer"	4	2 1/2" BB
ASGM	Acer saccharum "Green Mountain"	3	2 1/2" BB	TC	Tilia cordata "Greenspire"	8	2 1/2" BB
CO	Celtis occidentalis	2	3" BB	Small Trees			
GB	Gingko biloba	3	3" BB	CC	Cercis canadensis	5	8' clump
GD	Gymnocladus dioica	5	3" BB	MP	Malus "Prairiefire"	2	2 1/2" BB
QB	Quercus bicolor	3	3" BB	MRJ	Malus "Red Jewel"	1	2 1/2" BB
QI	Quercus imbicaria	2	3" BB	OV	Ostrya virginiana	0	8' clump
QR	Quercus rubra	2	3" BB	Evergreen Trees			
TA	Tilia americana "Redmond"	11	2 1/2" BB	PP	Picea pungens	0	7' BB
TT	Tilia tomentosa	3	2 1/2" BB		Colorado Spruce		
ZS	Zelkova serrata	4	2 1/2" BB				

STATION	OFFSET	SYMBOL	DESCRIPTION
115+10	55 LT	QB	SWAMP WHITE OAK
115+33	40 RT	TA	REDMOND AMERICAN LINDEN
115+57	55 LT	TA	REDMOND AMERICAN LINDEN
115+90	40 RT	TA	REDMOND AMERICAN LINDEN
116+45	40 RT	QR	RED OAK
116+61	55 LT	ZS	JAPANESE ZELKOVA
116+95	40 RT	QI	SHINGLE OAK
116+95	55 LT	ZS	JAPANESE ZELKOVA
117+35	55 LT	ZS	JAPANESE ZELKOVA
117+41	40 RT	QI	SHINGLE OAK
118+09	40 RT	AF	AUTUMN BLAZE FREEMAN MAPLE
118+23	55 LT	AS	SUGAR MAPLE
118+47	43 RT	CO	COMMON HACKBERRY
118+73	50 LT	AS	SUGAR MAPLE
118+98	55 RT	GB	GINGKO
119+25	53 LT	CO	COMMON HACKBERRY
119+45	58 RT	AS	SUGAR MAPLE
119+77	55 LT	ASGM	GREEN MOUNTAIN SUGAR MAPLE
119+92	60 RT	ASGM	GREEN MOUNTAIN SUGAR MAPLE
120+49	60 RT	ASGM	GREEN MOUNTAIN SUGAR MAPLE
120+56	55 LT	GD	KENTUCKY COFFEETREE
121+00	66 RT	CC	EASTERN REDBUD
121+00	50 LT	GD	KENTUCKY COFFEETREE
121+12	70 RT	CC	EASTERN REDBUD
121+42	90 LT	TC	GREENSPIRE LITTLELEAF LINDEN
122+18	85 LT	TC	GREENSPIRE LITTLELEAF LINDEN
122+18	78 RT	CC	EASTERN REDBUD
122+29	86 RT	CC	EASTERN REDBUD
122+38	59 RT	CC	EASTERN REDBUD
122+59	45 RT	TA	REDMOND AMERICAN LINDEN
122+80	65 LT	PC	CHANTICLEER CALLERY PEAR
123+09	45 RT	TA	REDMOND AMERICAN LINDEN
123+20	60 LT	CJ	KATSURATREE
123+68	45 RT	ZS	JAPANESE ZELKOVA
123+70	87 LT	AF	AUTUMN BLAZE FREEMAN MAPLE
124+11	45 RT	QR	RED OAK
124+16	62 LT	AF	AUTUMN BLAZE FREEMAN MAPLE
124+64	45 RT	TT	SILVER LINDEN
124+64	58 LT	AFM	MARMO FREEMAN MAPLE

STATION	OFFSET	SYMBOL	DESCRIPTION
125+15	45 RT	TT	SILVER LINDEN
125+20	58 LF	TA	REDMOND AMERICAN LINDEN
125+60	52 LT	TA	REDMOND AMERICAN LINDEN
125+66	45 RT	TT	SILVER LINDEN
126+05	50 LT	GB	GINGKO
126+08	45 RT	QB	SWAMP WHITE OAK
126+69	50 LT	GD	KENTUCKY COFFEETREE
127+24	50 LT	GD	KENTUCKY COFFEETREE
127+83	50 LT	GD	KENTUCKY COFFEETREE
128+40	50 LT	TC	GREENSPIRE LITTLELEAF LINDEN
128+86	50 LT	AS	SUGAR MAPLE
129+22	50 LT	AS	SUGAR MAPLE
129+44	45 RT	TA	REDMOND AMERICAN LINDEN
129+67	50 RT	AS	SUGAR MAPLE
129+90	45 RT	TA	REDMOND AMERICAN LINDEN
130+20	45 RT	QB	SWAMP WHITE OAK
130+34	50 LT	MRJ	RED JEWEL CRABAPPLE
130+71	45 RT	TA	REDMOND AMERICAN LINDEN
131+18	45 RT	TA	REDMOND AMERICAN LINDEN
131+29	50 LT	AG	EUROPEAN BLACK ALDER
131+44	50 LT	AG	EUROPEAN BLACK ALDER
131+65	50 LT	AG	EUROPEAN BLACK ALDER
131+76	45 RT	GB	GINGKO
131+94	50 LT	TC	GREENSPIRE LITTLELEAF LINDEN
132+23	52 LT	TC	GREENSPIRE LITTLELEAF LINDEN
132+29	45 RT	AF	AUTUMN BLAZE FREEMAN MAPLE
132+58	50 LT	TC	GREENSPIRE LITTLELEAF LINDEN
132+83	45 RT	AF	AUTUMN BLAZE FREEMAN MAPLE
132+89	52 LT	TC	GREENSPIRE LITTLELEAF LINDEN
133+25	52 LT	TC	GREENSPIRE LITTLELEAF LINDEN
133+40	45 RT	AS	SUGAR MAPLE
133+46	52 LT	MP	PRAIRIEFIRE CRABAPPLE
133+74	50 LT	MP	PRAIRIEFIRE CRABAPPLE
133+90	45 RT	AS	SUGAR MAPLE

SIGN PANEL LEGEND

- EXISTING SIGN PANEL AND POST
- PROPOSED SIGN PANEL AND POST

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

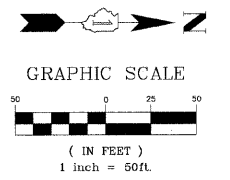
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKINGS AND LANDSCAPING PLANS

**WASHINGTON STREET
STA 115+00 TO 143+00**

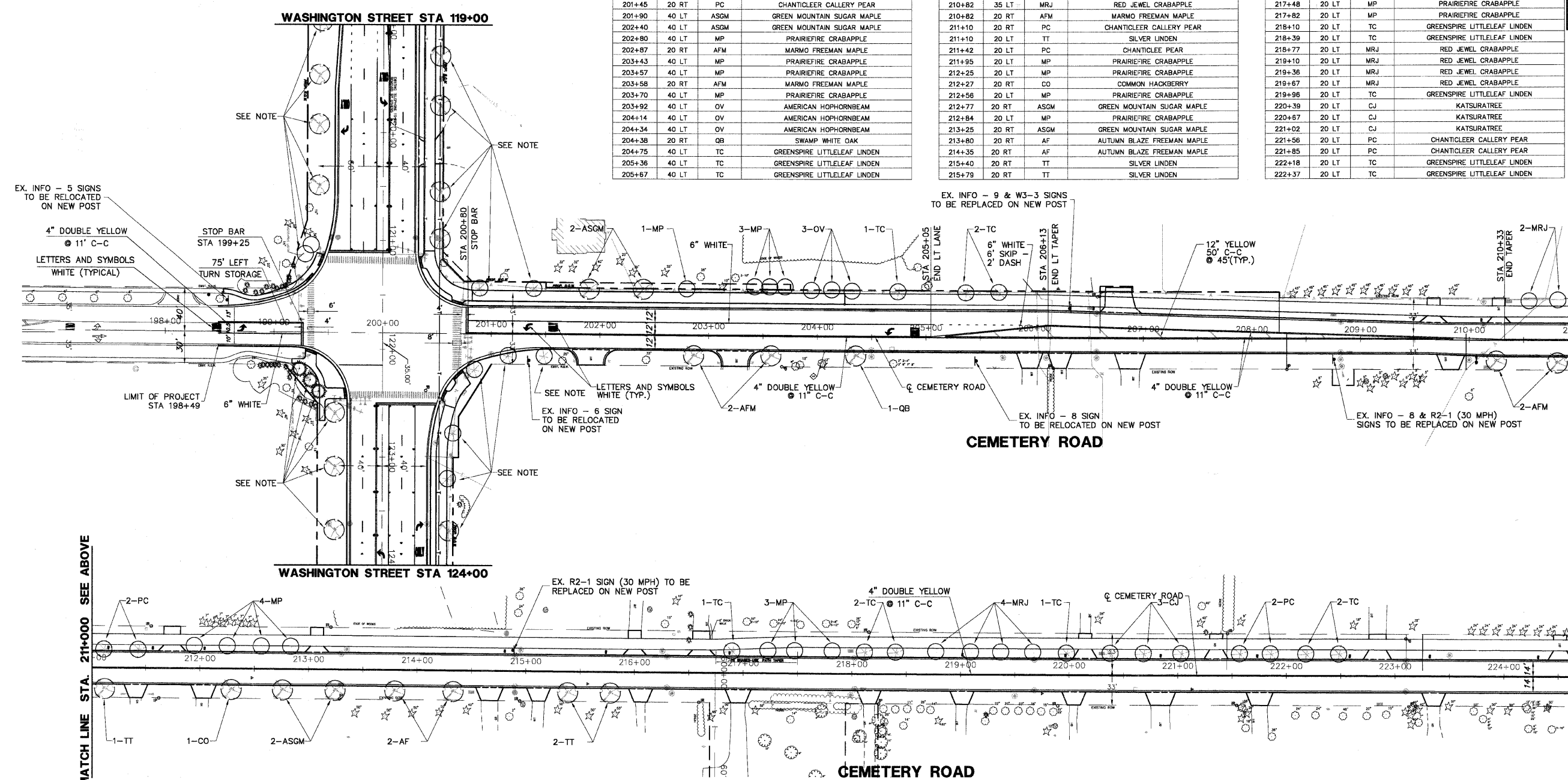
SCALE: 1"=50'
DATE: 10-25-04

DRAWN BY: CGP
DESIGNED BY: JRD
CHECKED BY: BLS



NOTE: PROPOSED LANDSCAPING TO BE PLACED WITHIN THE VILLAGE R.O.W.

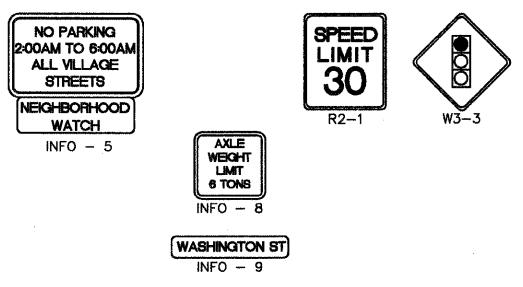
STATION	OFFSET	SYMBOL	DESCRIPTION	STATION	OFFSET	SYMBOL	DESCRIPTION	STATION	OFFSET	SYMBOL	DESCRIPTION
201+17	20 RT	PC	CHANTICLEER CALLERY PEAR	210+30	20 RT	AFM	MARMO FREEMAN MAPLE	216+80	20 LT	TC	GREENSPIRE LITTLELEAF LINDEN
201+40	40 LT	TC	GREENSPIRE LITTLELEAF LINDEN	210+55	35 LT	MRJ	RED JEWEL CRABAPPLE	217+23	20 LT	MP	PRAIRIEFIRE CRABAPPLE
201+45	20 RT	PC	CHANTICLEER CALLERY PEAR	210+82	35 LT	MRJ	RED JEWEL CRABAPPLE	217+48	20 LT	MP	PRAIRIEFIRE CRABAPPLE
201+90	40 LT	ASGM	GREEN MOUNTAIN SUGAR MAPLE	210+82	20 RT	AFM	MARMO FREEMAN MAPLE	217+82	20 LT	MP	PRAIRIEFIRE CRABAPPLE
202+40	40 LT	ASGM	GREEN MOUNTAIN SUGAR MAPLE	211+10	20 RT	PC	CHANTICLEER CALLERY PEAR	218+10	20 LT	TC	GREENSPIRE LITTLELEAF LINDEN
202+80	40 LT	MP	PRAIRIEFIRE CRABAPPLE	211+10	20 LT	TT	SILVER LINDEN	218+39	20 LT	TC	GREENSPIRE LITTLELEAF LINDEN
202+87	20 RT	AFM	MARMO FREEMAN MAPLE	211+42	20 LT	PC	CHANTICLEE PEAR	218+77	20 LT	MRJ	RED JEWEL CRABAPPLE
203+43	40 LT	MP	PRAIRIEFIRE CRABAPPLE	211+95	20 LT	MP	PRAIRIEFIRE CRABAPPLE	219+10	20 LT	MRJ	RED JEWEL CRABAPPLE
203+57	40 LT	MP	PRAIRIEFIRE CRABAPPLE	212+25	20 LT	MP	PRAIRIEFIRE CRABAPPLE	219+36	20 LT	MRJ	RED JEWEL CRABAPPLE
203+58	20 RT	AFM	MARMO FREEMAN MAPLE	212+27	20 RT	CO	COMMON HACKBERRY	219+67	20 LT	MRJ	RED JEWEL CRABAPPLE
203+70	40 LT	MP	PRAIRIEFIRE CRABAPPLE	212+56	20 LT	MP	PRAIRIEFIRE CRABAPPLE	219+96	20 LT	TC	GREENSPIRE LITTLELEAF LINDEN
203+92	40 LT	OV	AMERICAN HOPHORNBEAM	212+77	20 RT	ASGM	GREEN MOUNTAIN SUGAR MAPLE	220+39	20 LT	CJ	KATSURATREE
204+14	40 LT	OV	AMERICAN HOPHORNBEAM	212+84	20 LT	MP	PRAIRIEFIRE CRABAPPLE	220+67	20 LT	CJ	KATSURATREE
204+34	40 LT	OV	AMERICAN HOPHORNBEAM	213+25	20 RT	ASGM	GREEN MOUNTAIN SUGAR MAPLE	221+02	20 LT	CJ	KATSURATREE
204+38	20 RT	QB	SWAMP WHITE OAK	213+80	20 RT	AF	AUTUMN BLAZE FREEMAN MAPLE	221+56	20 LT	PC	CHANTICLEER CALLERY PEAR
204+75	40 LT	TC	GREENSPIRE LITTLELEAF LINDEN	214+35	20 RT	AF	AUTUMN BLAZE FREEMAN MAPLE	221+85	20 LT	PC	CHANTICLEER CALLERY PEAR
205+36	40 LT	TC	GREENSPIRE LITTLELEAF LINDEN	215+40	20 RT	TT	SILVER LINDEN	222+18	20 LT	TC	GREENSPIRE LITTLELEAF LINDEN
205+67	40 LT	TC	GREENSPIRE LITTLELEAF LINDEN	215+79	20 RT	TT	SILVER LINDEN	222+37	20 LT	TC	GREENSPIRE LITTLELEAF LINDEN



STREET TREE SCHEDULE OF QUANTITY

Sym.	Botanic Name/Common Name	Qty.	Size	Sym.	Botanic Name/Common Name	Qty.	Size
Large Shade Trees				Medium Shade Trees			
AF	Acer x freemanii "Autumn Blaze"	2	3" BB	AG	Alnus glutinosa	0	8' clump
AFM	Acer x freemanii "Marmo"	4	2 1/2" BB	CJ	Cercidiphyllum japonicum	3	8' clump
AS	Acer saccharum	0	3" BB	PC	Pyrus calleryana "Chanticleer"	4	2 1/2" BB
ASGM	Acer saccharum "Green Mountain"	4	2 1/2" BB	TC	Tilia cordata "Greenspire"	9	2 1/2" BB
CO	Celtis occidentalis	1	3" BB				
GB	Ginkgo biloba	0	3" BB	Small Trees			
GD	Gymnocladus dioica	0	3" BB	CC	Cercis canadensis	0	8' clump
QB	Quercus bicolor	1	3" BB	MP	Malus "Prairiefire"	11	2 1/2" BB
QI	Quercus imbricaria	0	3" BB	MRJ	Malus "Red Jewel"	6	2 1/2" BB
QR	Quercus rubra	0	3" BB	OV	Ostrya virginiana	3	8' clump
TA	Tilia americana "Rodmond"	0	2 1/2" BB	Evergreen Trees			
TT	Tilia tomentosa	3	2 1/2" BB	PP	Picea pungens	0	7' BB
ZS	Zelkova serrata	0	2 1/2" BB				

SIGN PANEL LEGEND
 ▽ EXISTING SIGN PANEL AND POST
 ▽ PROPOSED SIGN PANEL AND POST



- NOTES:**
- ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 - ALL AREAS WITH TOPSOIL SHALL BE SEEDED WITH SEEDING, CLASS 2A, UNLESS OTHERWISE NOTED.
 - SEE SHEET 93 FOR ADDITIONAL DETAILS REGARDING LANDSCAPING.
 - RAISED REFLECTIVE PAVEMENT MARKER, TWO WAY AMBER (RRPM) AND ONE WAY CRYSTAL PER IDOT STANDARDS.
 - ALL STANDARD MUTCD SIGNS SHALL BE SALVAGED TO THE LOCAL MUNICIPALITY. NEW SIGN PANELS SHALL BE INSTALLED AS SHOWN.

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
 Consulting Engineers & Surveyors
 850 Forest Edge Drive
 Vernon Hills, IL 60061
 (847) 478-9700
 (847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKINGS AND LANDSCAPING PLANS
 CEMETERY ROAD
 STA 197+00 TO 226+00
 SCALE: 1"=50'
 DATE: 10-25-04
 DRAWN BY: CGP
 DESIGNED BY: JRD
 CHECKED BY: BLS

MATCH LINE STA. 211+000 SEE ABOVE

MATCH LINE STA. 226+00 SEE SHEET 92

MATCH LINE STA. 211+00 SEE BELOW

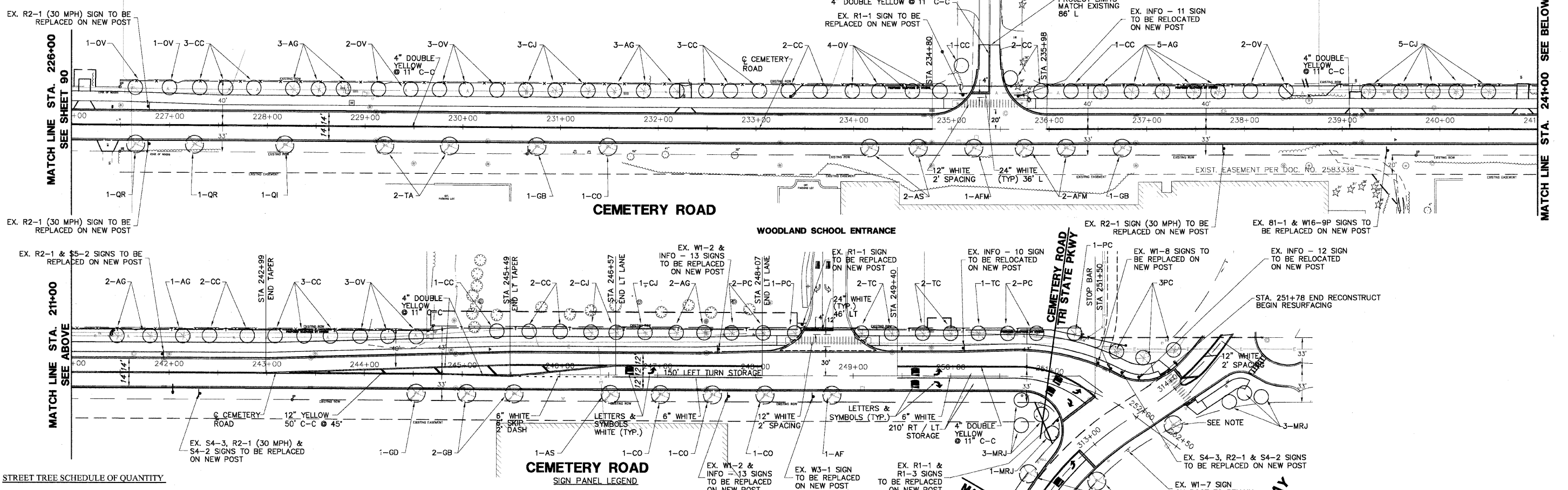
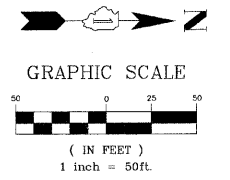
STATION	OFFSET	SYMBOL	DESCRIPTION
226+65	40 LT	OV	AMERICAN HOPHORNBEAM
226+65	20 RT	QR	RED OAK
227+00	40 LT	OV	AMERICAN HOPHORNBEAM
227+25	20 RT	QR	RED OAK
227+30	40 LT	CC	EASTERN REDBUD
227+58	40 LT	CC	EASTERN REDBUD
227+85	40 LT	CC	EASTERN REDBUD
228+19	20 RT	QI	SINGLE OAK
228+25	40 LT	AG	EUROPEAN BLACK ALDER
228+50	40 LT	AG	EUROPEAN BLACK ALDER
228+77	40 LT	AG	EUROPEAN BLACK ALDER
229+12	40 LT	OV	AMERICAN HOPHORNBEAM
229+20	20 RT	TA	REDMOND AMERICAN LINDEN
229+45	40 LT	OV	AMERICAN HOPHORNBEAM
229+75	40 LT	OV	AMERICAN HOPHORNBEAM
229+89	20 RT	TA	REDMOND AMERICAN LINDEN
230+03	40 LT	OV	AMERICAN HOPHORNBEAM
230+33	40 LT	OV	AMERICAN HOPHORNBEAM
230+63	40 LT	CJ	KATSURATREE
230+75	20 RT	GB	GINGKO
230+93	40 LT	CJ	KATSURATREE
231+28	40 LT	OV	AMERICAN HOPHORNBEAM
231+49	20 RT	CC	COMMON HACKBERRY
231+55	40 LT	AG	EUROPEAN BLACK ALDER
231+85	40 LT	AG	EUROPEAN BLACK ALDER

STATION	OFFSET	SYMBOL	DESCRIPTION
232+20	40 LT	AG	EUROPEAN BLACK ALDER
232+47	40 LT	CC	EASTERN REDBUD
232+73	40 LT	CC	EASTERN REDBUD
233+04	40 LT	CC	EASTERN REDBUD
233+34	40 LT	CC	EASTERN REDBUD
233+64	40 LT	CC	EASTERN REDBUD
233+94	40 LT	OV	AMERICAN HOPHORNBEAM
234+17	20 RT	AS	SUGAR MAPLE
234+24	40 LT	OV	AMERICAN HOPHORNBEAM
234+60	40 LT	OV	AMERICAN HOPHORNBEAM
234+85	20 RT	AS	SUGAR MAPLE
234+84	40 LT	OV	AMERICAN HOPHORNBEAM
235+10	65 LT	CC	EASTERN REDBUD
235+23	20 RT	AFM	MARMO FREEMAN MAPLE
235+60	50 LT	CC	EASTERN REDBUD
235+69	20 RT	AFM	MARMO FREEMAN MAPLE
235+90	40 LT	CC	EASTERN REDBUD
236+17	20 RT	AFM	MARMO FREEMAN MAPLE
228+23	40 LT	CC	EASTERN REDBUD
236+50	40 LT	AG	EUROPEAN BLACK ALDER
236+75	20 RT	GB	GINGKO
236+82	40 LT	AG	EUROPEAN BLACK ALDER
237+15	40 LT	AG	EUROPEAN BLACK ALDER
237+47	40 LT	AG	EUROPEAN BLACK ALDER
237+74	40 LT	AG	EUROPEAN BLACK ALDER

STATION	OFFSET	SYMBOL	DESCRIPTION
238+05	40 LT	OV	AMERICAN HOPHORNBEAM
238+40	40 LT	OV	AMERICAN HOPHORNBEAM
239+26	40 LT	CJ	KATSURATREE
239+59	40 LT	CJ	KATSURATREE
239+91	40 LT	CJ	KATSURATREE
240+16	40 LT	CJ	KATSURATREE
240+49	40 LT	CJ	KATSURATREE
241+49	40 LT	AG	EUROPEAN BLACK ALDER
241+80	40 LT	AG	EUROPEAN BLACK ALDER
242+15	40 LT	AG	EUROPEAN BLACK ALDER
242+41	40 LT	CC	EASTERN REDBUD
242+80	40 LT	CC	EASTERN REDBUD
243+10	40 LT	CC	EASTERN REDBUD
243+40	40 LT	CC	EASTERN REDBUD
243+65	40 LT	CC	EASTERN REDBUD
243+92	40 LT	OV	AMERICAN HOPHORNBEAM
244+25	40 LT	OV	AMERICAN HOPHORNBEAM
244+53	40 LT	OV	AMERICAN HOPHORNBEAM
244+53	20 RT	GD	KENTUCKY COFFEETREE
245+05	20 RT	GB	GINGKO
245+37	45 LT	CC	EASTERN REDBUD
245+54	20 RT	GB	GINGKO
245+70	45 LT	CC	EASTERN REDBUD
246+00	45 LT	CC	EASTERN REDBUD
246+30	45 LT	CJ	KATSURATREE

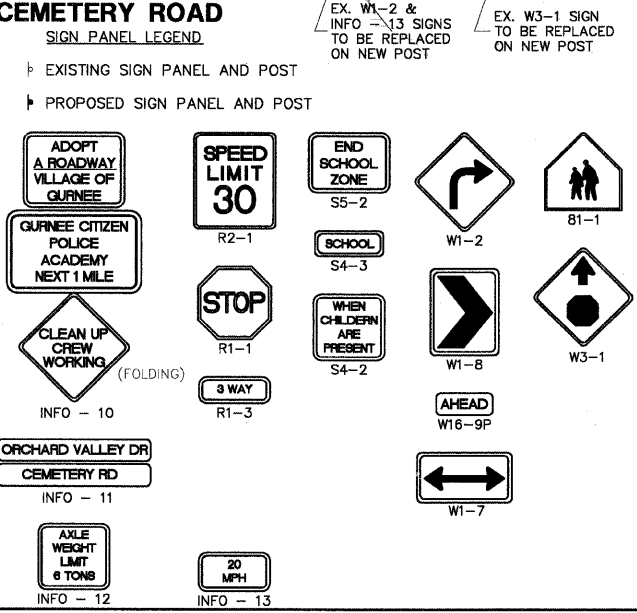
STATION	OFFSET	SYMBOL	DESCRIPTION
246+50	45 LT	CJ	KATSURATREE
246+58	45 LT	CJ	KATSURATREE
246+51	20 RT	AS	SUGAR MAPLE
247+01	20 RT	CO	COMMON HACKBERRY
247+20	45 LT	AG	EUROPEAN BLACK ELDER
247+45	45 LT	AG	EUROPEAN BLACK ELDER
247+55	20 RT	CO	COMMON HACKBERRY
247+75	45 LT	PC	CHANTICLEER CALLERY PEAR
248+05	45 LT	PC	CHANTICLEER CALLERY PEAR
248+10	20 RT	CO	COMMON HACKBERRY
248+41	45 LT	PC	CHANTICLEER CALLERY PEAR
248+80	20 RT	AF	AUTUMN BLAZE FREEMAN MAPLE
249+10	45 LT	TC	GREENSPIRE LITTLELEAF LINDEN
249+40	45 LT	TC	GREENSPIRE LITTLELEAF LINDEN
249+70	45 LT	TC	GREENSPIRE LITTLELEAF LINDEN
250+00	45 LT	TC	GREENSPIRE LITTLELEAF LINDEN
250+30	45 LT	TC	GREENSPIRE LITTLELEAF LINDEN
250+60	45 LT	PC	CHANTICLEER CALLERY PEAR
250+72	25 RT	MRJ	RED JEWEL CRABAPPLE
250+72	50 RT	MRJ	RED JEWEL CRABAPPLE
250+80	45 LT	PC	CHANTICLEER CALLERY PEAR
251+05	50 LT	PC	CHANTICLEER CALLERY PEAR
251+15	40 RT	MRJ	RED JEWEL CRABAPPLE
251+75	40 LT	CJ	KATSURATREE

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	91
LANDSCAPE & PAV'T MARKING PLAN				
CONTRACT NO. 83845 ILLINOIS				



STREET TREE SCHEDULE OF QUANTITY

Sym.	Botanic Name/Common Name	Qty.	Size	Sym.	Botanic Name/Common Name	Qty.	Size
Large Shade Trees				Medium Shade Trees			
AF	Acer x freemanii "Autumn Blaze" Autumn Blaze Freeman Maple	1	3" BB	AG	Alnus glutinosa European Black Alder	16	8' clump
AFM	Acer x freeman "Marmo" Marmo Freeman Maple	3	2 1/2" BB	CJ	Cercidiphyllum japonicum Katsuratree	11	8' clump
AS	Acer saccharum Sugar Maple	3	3" BB	PC	Pyrus calleryana "Chanticleer" Chanticleer Callery Pear	9	2 1/2" BB
ASGM	Acer saccharum "Green Mountain" Green Mountain Sugar Maple	0	2 1/2" BB	TC	Tilia cordata "Greenspire" Greenspire Littleleaf Linden	5	2 1/2" BB
CO	Celtis occidentalis Common Hackberry	4	3" BB	Small Trees			
GB	Ginkgo biloba Ginkgo	4	3" BB	CC	Cercis canadensis Eastern Redbud	20	8' clump
GD	Gymnocladus dioica Kentucky Coffeetree	1	3" BB	MP	Malus "Prairiefire" Prairiefire Crabapple	0	2 1/2" BB
QB	Quercus bicolor Swamp White Oak	0	3" BB	MRJ	Malus "Red Jewel" Red Jewel Crabapple	7	2 1/2" BB
QI	Quercus imbricaria Shingle Oak	1	3" BB	OV	Ostrya virginiana American Hophornbeam	16	8' clump
QR	Quercus rubra Northern Red Oak	2	3" BB	Evergreen Trees			
TA	Tilia americana "Redmond" Redmond American Linden	2	2 1/2" BB	PP	Picea pungens Colorado Spruce	0	7' BB
TT	Tilia tomentosa Silver Linden	0	2 1/2" BB				
ZS	Zelkova serrata Japanese Zelkova	0	2 1/2" BB				



- NOTES:**
- ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 - ALL AREAS WITH TOPSOIL SHALL BE SEEDED WITH SEEDING, CLASS 2A, UNLESS OTHERWISE NOTED.
 - SEE SHEET 93 FOR ADDITIONAL DETAILS REGARDING LANDSCAPING.
 - RAISED REFLECTIVE PAVEMENT MARKER, TWO WAY AMBER (RRPM) AND ONE WAY CRYSTAL. PER IDOT STANDARDS.
 - ALL STANDARD MUTCD SIGNS SHALL BE SALVAGED TO THE LOCAL MUNICIPALITY. NEW SIGN PANELS SHALL BE INSTALLED AS SHOWN.

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

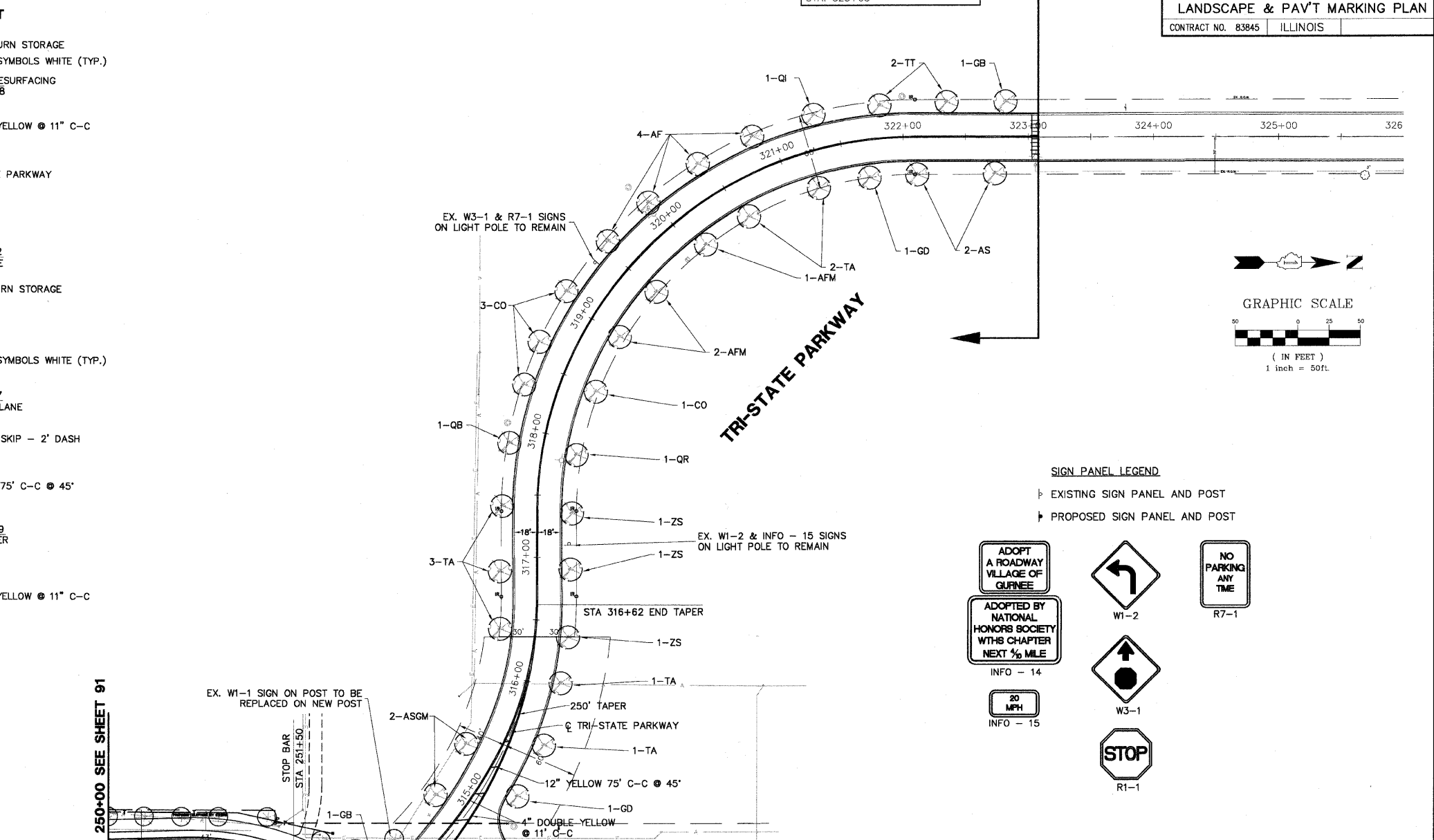
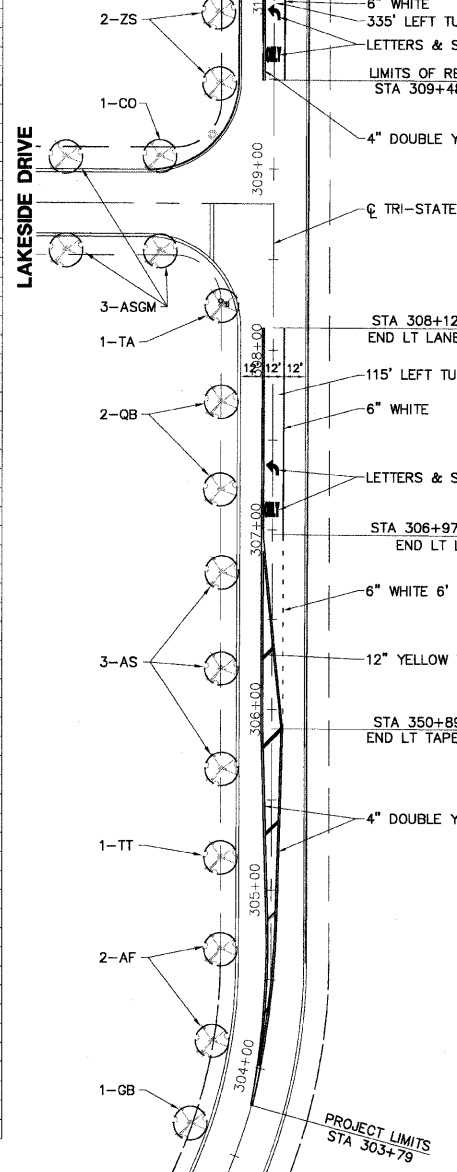
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKINGS AND LANDSCAPING PLANS
CEMETERY ROAD
STA 226+00 TO 252+00
SCALE: 1"=50'
DATE: 10-25-04
DRAWN BY: CGP
DESIGNED BY: JRD
CHECKED BY: BLS

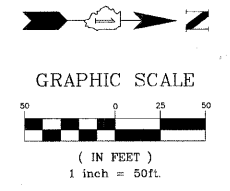
STATION	OFFSET	SYMBOL	DESCRIPTION
303+60	29 LT	GB	GINGKO
304+10	29 LT	AF	AUTUMN BLAZE FREEMAN MAPLE
304+55	29 LT	AF	AUTUMN BLAZE FREEMAN MAPLE
305+19	29 LT	TT	SILVER LINDEN
305+68	29 LT	AS	SUGAR MAPLE
305+25	29 LT	AS	SUGAR MAPLE
306+76	29 LT	AS	SUGAR MAPLE
307+25	29 LT	QB	SWAMP WHITE OAK
307+70	29 LT	QB	SWAMP WHITE OAK
308+25	29 LT	TA	REDMOND LINDEN
308+55	60 LT	ASGM	GREEN MOUNTAIN SUGAR MAPLE
308+55	115 LT	ASGM	GREEN MOUNTAIN SUGAR MAPLE
309+08	60 LT	CO	COMMON HACKBERRY
309+08	115 LT	ASGM	GREEN MOUNTAIN SUGAR MAPLE
309+47	29 LT	ZS	JAPANESE ZELKOVA
309+90	29 LT	ZS	JAPANESE ZELKOVA
310+10	29 RT	AF	AUTUMN BLAZE FREEMAN MAPLE
310+70	30 RT	AF	AUTUMN BLAZE FREEMAN MAPLE
311+20	30 RT	AF	AUTUMN BLAZE FREEMAN MAPLE
311+35	25 LT	AFM	MARMO FREEMAN MAPLE
311+80	25 LT	AFM	MARMO FREEMAN MAPLE
312+20	30 RT	GB	GINGKO
312+35	30 LT	QR	RED OAK
312+70	30 RT	GB	GINGKO
312+72	30 LT	MRJ	RED JEWEL CRABAPPLE
313+80	30 RT	GB	GINGKO
313+90	30 LT	PC	CHANTICLEER CALLERY PEAR
314+30	30 LT	PC	CHANTICLEER CALLERY PEAR
314+30	50 RT	MRJ	RED JEWEL CRABAPPLE
314+50	50 RT	MRJ	RED JEWEL CRABAPPLE
314+55	65 RT	MRJ	RED JEWEL CRABAPPLE
314+75	30 RT	ASGM	GREEN MOUNTAIN SUGAR MAPLE
315+15	30 RT	GD	KENTUCKY COFFEETREE
315+33	30 LT	ASGM	GREEN MOUNTAIN SUGAR MAPLE
315+50	30 RT	TA	REDMOND AMERICAN LINDEN
316+05	25 RT	TA	REDMOND AMERICAN LINDEN
316+34	29 LT	TA	REDMOND AMERICAN LINDEN
316+34	29 RT	ZS	JAPANESE ZELKOVA
316+80	29 RT	ZS	JAPANESE ZELKOVA
316+80	29 LT	TA	REDMOND AMERICAN LINDEN
317+37	29 RT	ZS	JAPANESE ZELKOVA
317+38	29 LT	TA	REDMOND AMERICAN LINDEN
317+85	29 RT	QR	RED OAK
317+85	29 LT	QB	SWAMP WHITE OAK
318+33	29 LT	CO	COMMON HACKBERRY
318+50	29 RT	AFM	MARMO FREEMAN MAPLE
318+66	29 LT	CO	COMMON HACKBERRY
319+00	29 RT	AFM	MARMO FREEMAN MAPLE
319+10	29 LT	AF	AUTUMN BLAZE FREEMAN MAPLE
319+50	29 RT	AFM	MARMO FREEMAN MAPLE
319+55	29 LT	AF	AUTUMN BLAZE FREEMAN MAPLE
319+95	29 LT	AF	AUTUMN BLAZE FREEMAN MAPLE
320+15	29 RT	AFM	MARMO FREEMAN MAPLE
320+40	29 LT	AF	AUTUMN BLAZE FREEMAN MAPLE
320+60	29 RT	TA	REDMOND AMERICAN LINDEN
320+82	29 LT	AF	AUTUMN BLAZE FREEMAN MAPLE
321+25	29 RT	TA	REDMOND AMERICAN LINDEN
321+33	29 LT	QI	SHINGLE OAK
321+70	29 RT	GD	KENTUCKY COFFEETREE
321+80	29 LT	TT	SILVER LINDEN
322+15	29 RT	AS	SUGAR MAPLE
322+36	29 LT	TT	SILVER LINDEN
322+74	29 RT	AS	SUGAR MAPLE
322+84	29 LT	GB	GINGKO

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	92
LANDSCAPE & PAV'T MARKING PLAN				
CONTRACT NO. 83845		ILLINOIS		

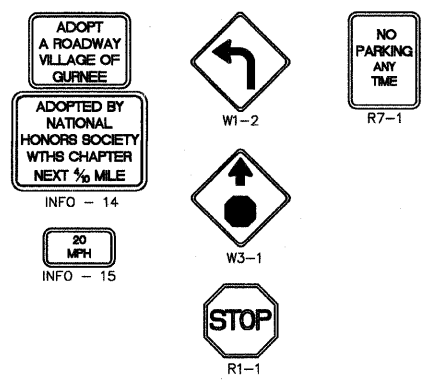
MATCHLINE STA. 310+00 SEE RIGHT



LIMIT OF STAGE 1 IMPROVEMENTS STA. 323+08



SIGN PANEL LEGEND
 ▸ EXISTING SIGN PANEL AND POST
 ▸ PROPOSED SIGN PANEL AND POST



STREET TREE SCHEDULE OF QUANTITY

Sym.	Botanic Name/Common Name	Qty.	Size	Sym.	Botanic Name/Common Name	Qty.	Size
Large Shade Trees				Medium Shade Trees			
AF	Acer x freemanii "Autumn Blaze" Autumn Blaze Freeman Maple	9	3" BB	AG	Alnus glutinosa European Black Alder	0	8' clump
AFM	Acer x freemanii "Marmo" Marmo Freeman Maple	5	2 1/2" BB	CJ	Cercidiphyllum japonicum Katsuratree	0	8' clump
AS	Acer saccharum Sugar Maple	7	3" BB	PC	Pyrus calleryana "Chanticleer" Chanticleer Callery Pear	0	2 1/2" BB
ASGM	Acer saccharum "Green Mountain" Green Mountain Sugar Maple	5	2 1/2" BB	TC	Tilia cordata "Greenspire" Greenspire Littleleaf Linden	0	2 1/2" BB
CO	Celtis occidentalis Common Hackberry	5	3" BB	Small Trees			
GB	Gingko biloba Gingko	5	3 1/2" BB	CC	Cercis canadensis Eastern Redbud	0	8' clump
GD	Gymnocladus dioica Kentucky Coffeetree	2	3" BB	MP	Malus "Prairiefire" Prairiefire Crabapple	0	2 1/2" BB
QB	Quercus bicolor Swamp White Oak	3	3 1/2" BB	MRJ	Malus "Red Jewel" Red Jewel Crabapple	0	2 1/2" BB
QI	Quercus imbricaria Shingle Oak	1	3 1/2" BB	OV	Ostrya virginiana American Hophornbeam	0	8' clump
QR	Quercus rubra Northern Red Oak	2	3 1/2" BB	Evergreen Trees			
TA	Tilia americana "Redmond" Redmond American Linden	8	2 1/2" BB	PP	Picea pungens Colorado Spruce	0	7' BB
TT	Tilia tomentosa Silver Linden	3	2 1/2" BB				
ZS	Zelkova serrata Japanese Zelkova	5	2 1/2" BB				

CEMETERY ROAD STA. 250+00 SEE SHEET 91

MATCH LINE STA. 310+00 SEE LEFT

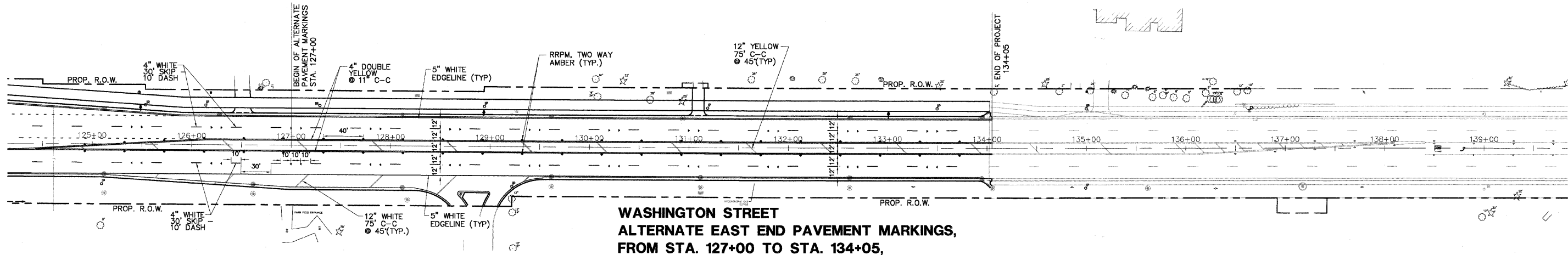
- NOTES:**
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 - ALL AREAS WITH TOPSOIL SHALL BE SEEDED WITH SEEDING, CLASS 2A, UNLESS OTHERWISE NOTED.
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 - ALL STANDARD MUTCD SIGNS SHALL BE SALVAGED TO THE LOCAL MUNICIPALITY. NEW SIGN PANELS SHALL BE INSTALLED AS SHOWN.

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
 Consulting Engineers & Surveyors
 850 Forest Edge Drive
 Vernon Hills, IL 60061
 (847) 478-9700
 (847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED PAVEMENT MARKINGS AND LANDSCAPING PLANS
 TRI STATE PARKWAY STA STA 310+50 TO 328+00
 SCALE: 1"=50'
 DATE: 10-25-04
 DRAWN BY: CGP
 DESIGNED BY: JRD
 CHECKED BY: BLS

PLAN REFERENCE SEE PLANS TITLED
 "PLANS FOR PROPOSED HIGHWAY
 FAU ROUTE 1016 (WASHINGTON STREET)"
 PROJECT NUMBER M-8003(506)
 BY: CRAWFORD, MURPHY & TILLY, INC.
 LATEST DATE: 02-08-09



**WASHINGTON STREET
 ALTERNATE EAST END PAVEMENT MARKINGS,
 FROM STA. 127+00 TO STA. 134+05,**

LANDSCAPE NOTES:

All plant materials shall conform to the latest edition of the American Standard for Nursery Stock, as published by the American Association of Nurserymen.

All plant material shall be nursery grown from same hardness zone as the project.

Where planting beds meet turf areas, the contractor shall provide a cultivated edge. Mulch all shrub beds to the line shown. The contractor shall furnish and install a 3" layer of shredded hardwood cedar mulch under all tree plantings and shrub beds. Contractor shall submit a sample of mulch to owner's representative for approval prior to mulching.

All plants shall be planted per the landscape plan and specifications. Plantings not found to be in compliance shall be replanted correctly at no expense to the owner.

In case of discrepancies between the plan and the plant list, the plan shall dictate.

A pre-emergent herbicide shall be applied in all planting beds at a rate specified by the manufacturer for each plant variety.

Soil mix shall include well rotted mushroom compost mixed into the soil prior to backfilling.

All shade trees shall be wrapped with tree wrap.

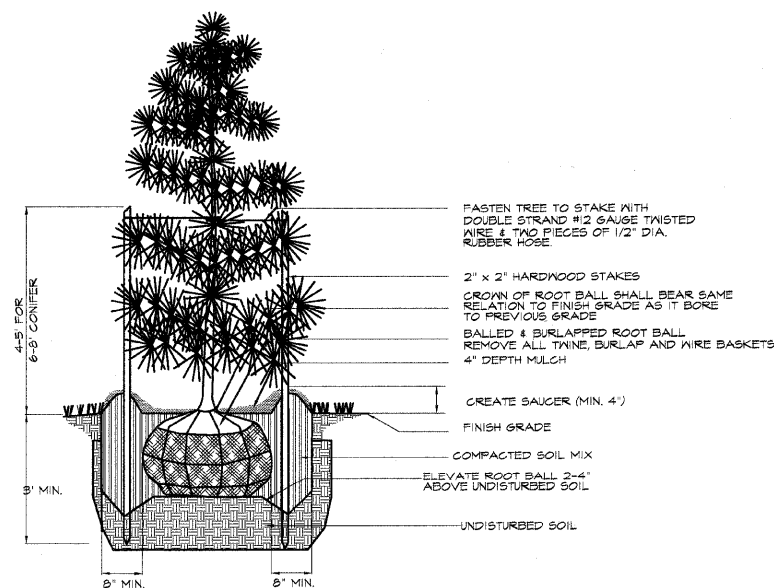
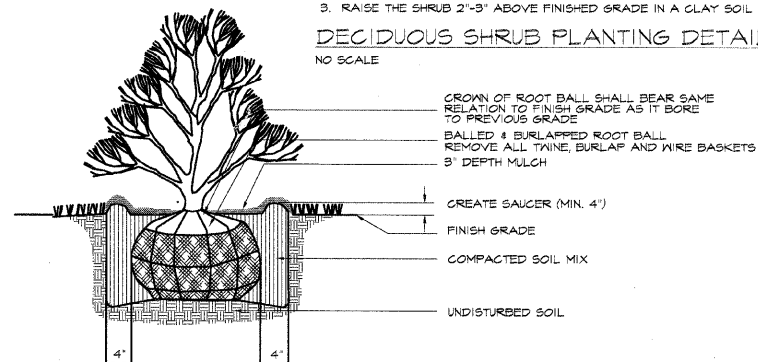
All shade trees larger than 4" in diameter and evergreen trees taller than 7' shall be guy wired according to industry standards.

NOTES:

- DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
- WATER SHRUBS IMMEDIATELY AFTER INSTALLATION.
- RAISE THE SHRUB 2'-3" ABOVE FINISHED GRADE IN A CLAY SOIL AREA.

DECIDUOUS SHRUB PLANTING DETAIL

NO SCALE

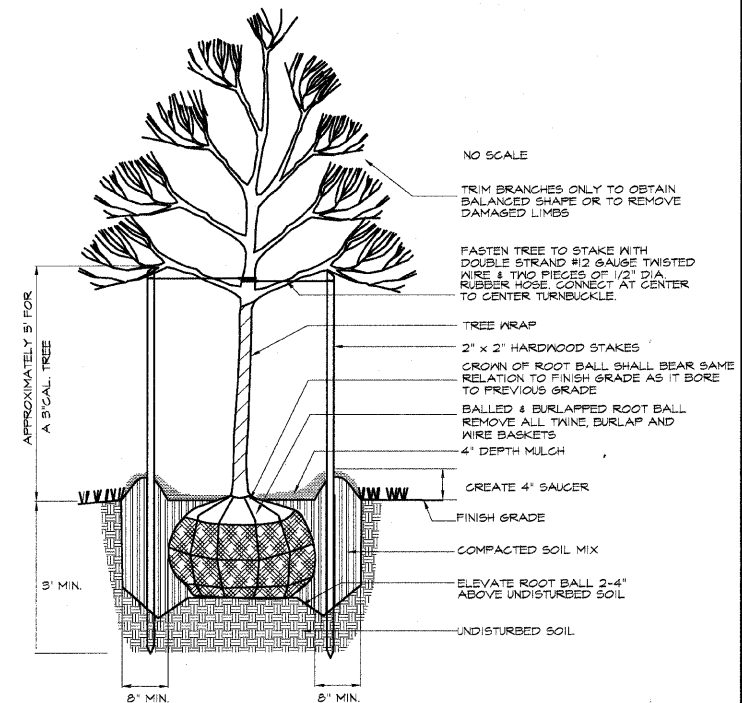


NOTES:

- DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
- DO NOT DAMAGE ROOT BALL WHEN INSTALLING TREE OR TREE STAKES.
- WATER AND FERTILIZE TREE THOROUGHLY AFTER INSTALLATION.
- REMOVE TREE STAKES ONE YEAR AFTER INSTALLATION.
- RAISE THE TREE 2'-3" ABOVE FINISHED GRADE IN A CLAY SOIL AREA.

CONIFEROUS TREE PLANTING DETAIL

NO SCALE



NOTES:

- DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING.
- DO NOT DAMAGE ROOT BALL WHEN INSTALLING TREE OR TREE STAKES.
- WATER AND FERTILIZE TREE IMMEDIATELY AFTER INSTALLATION.
- REMOVE TREE WRAP AND STAKES ONE YEAR AFTER INSTALLATION.
- RAISE THE TREE 2'-3" ABOVE FINISHED GRADE IN A CLAY SOIL AREA.

DECIDUOUS TREE PLANTING DETAIL

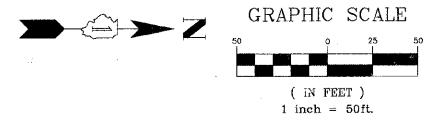
PLANS PREPARED BY:
GEWALT HAMILTON
 ASSOCIATES, INC.
 Consulting Engineers & Surveyors
 859 Forest Edge Drive
 Vernon Hills, IL 60061
 (847) 476-9700
 (847) 476-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

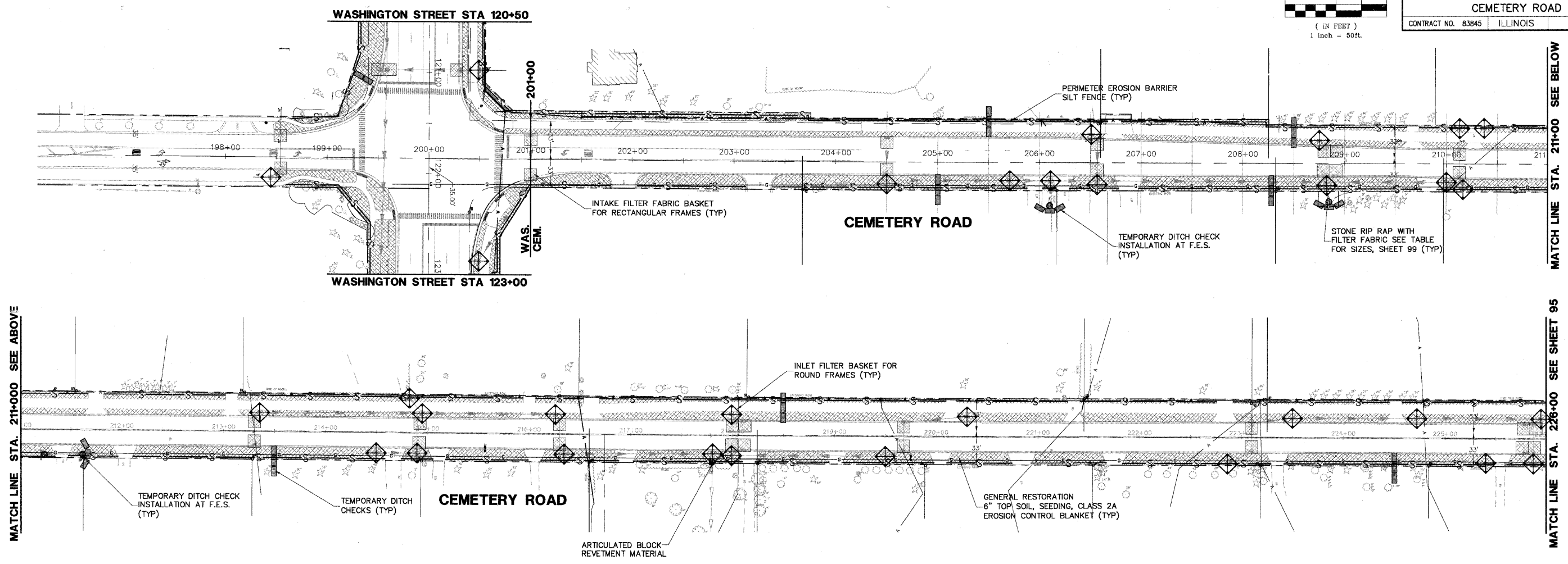
ILLINOIS DEPARTMENT OF TRANSPORTATION
**LANDSCAPING PLAN DETAILS
 AND
 ALTERNATE PAVEMENT MARKINGS
 FROM STA. 127+00 TO STA. 134+05**

SCALE: NTS
 DATE: 10-25-04

DRAWN BY: CGP
 DESIGNED BY: JRD
 CHECKED BY: BLS



F.A.U. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	94
CEMETERY ROAD				
CONTRACT NO. 83845		ILLINOIS		

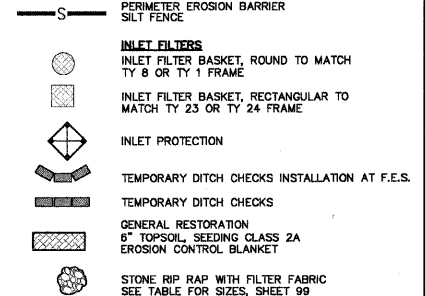


SP	UNIT NO.	ESTIMATED QUANTITIES	UNIT	QUANTITY
	20101000	TEMPORARY FENCE	FOOT	2,380
	20101100	TREE TRUNK PROTECTION	EACH	140
	20101200	TREE ROOT PRUNING	FOOT	2,320
	25100115	MULCH, METHOD 2	ACRE	8
	28000255	TEMPORARY EROSION CONTROL SEEDING	ACRE	8
*	28000300	TEMPORARY DITCH CHECKS	EACH	48
*	28000400	PERIMETER EROSION BARRIER	FOOT	21,305
	28000510	INLET FILTERS	EACH	228
	28100107	STONE RIPRAP, CLASS A4	SQ YD	120
	28200200	FILTER FABRIC	SQ YD	180
	28500400	ARTICULATED BLOCK REVETMENT MAT	SQ YD	60
*	LC200500	REMOVE PERIMETER EROSION BARRIER	FOOT	21,305
*	X2800500	INLET PROTECTION, SPECIAL	EACH	96
*	XX004878	MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS, SPECIAL	L SUM	1
*	XX006338	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	34,305
*	XX006658	FLOCCULATION LOGS	EACH	20
*	XX006676	FLOCCULATION SOCKS	EACH	20
*	Z0018800	DRAINAGE STRUCTURES TO BE CLEANED	EACH	249
*	Z0019800	DUST CONTROL WATERING	UNIT	80
*		STORM WATER TREATMENT UNIT, SPECIAL	EACH	1

EROSION CONTROL CONSTRUCTION SEQUENCING

- 1 OWNER FILES A NOTICE OF INTENT (NOI) AT LEAST 30 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION OPERATIONS
- 2 INSTALLATION OF INLET FILTER BASKETS UNDER EXISTING STORM DRAINAGE RIMS
- 3 INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL (SESC) MEASURES
 - a SELECTIVE VEGETATION REMOVAL FOR INSTALLATION OF PERIMETER EROSION BARRIER FENCE
 - b INSTALLATION OF PERIMETER EROSION BARRIER FENCE
 - c INSTALLATION OF TREE PROTECTION AND PROTECTIVE CONSTRUCTION FENCING
- 4 PERFORM TREE REMOVAL, WHERE NECESSARY (CLEAR AND GRUB)
- 5 CONSTRUCT SEDIMENT TRAPPING DEVICES (SEDIMENT TRAPS, BASINS, SEDIMENT REMOVAL & CHANNELS) AS NECESSARY
- 6 CONTRACTOR TO PERFORM SESC INSPECTIONS AND MAINTENANCE EVERY WEEK AND AFTER EVERY 1/2" OR GREATER OF RAINFALL
- 7 STRIP AND STOCK TOPSOIL
- 8 INSTALL PERIMETER EROSION BARRIER SURROUNDING ALL STOCKPILES OF SOILS AND AGGREGATES
- 9 DEMOLITION AND EXCAVATION OF EXISTING ROAD FOR WIDENING
- 10 CONSTRUCTION OF PROPOSED WATER MAIN, SEWER, AND ASSOCIATED INLET AND OUTLET PROTECTION MEASURES
- 11 INSTALLATION OF TEMPORARY EROSION CONTROL SEEDING AND MULCH, IN STAGES, ON ALL BARE/EXPOSED AREAS
- 12 CONSTRUCTION OF ROADWAY IMPROVEMENTS
- 13 CONSTRUCTION OF PROPOSED INTERSECTION AND SIGNAL IMPROVEMENTS
- 14 INSTALLATION OF PERMANENT RESTORATION AND PERMANENT EROSION CONTROL, INCLUDING ALL OUTLET AREAS
- 15 REMOVE ALL TEMPORARY SESC EROSION CONTROL MEASURES WHEN SITE IS PERMANENTLY STABILIZED WITH VEGETATION
- 16 OWNER FILES A NOTICE OF TERMINATION (NOT)

EROSION CONTROL PLAN LEGEND



ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION AND SEDIMENT CONTROL PLAN
 PROPOSED ROADWAY WIDENING
 AND INTERSECTION IMPROVEMENTS
 CEMETERY ROAD
 STA 197+00 TO 226+00

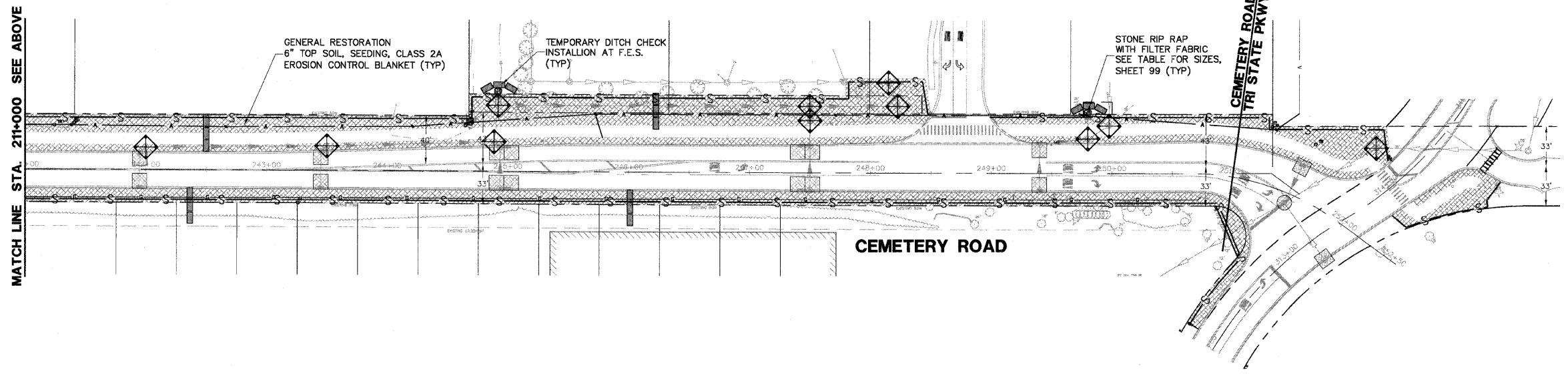
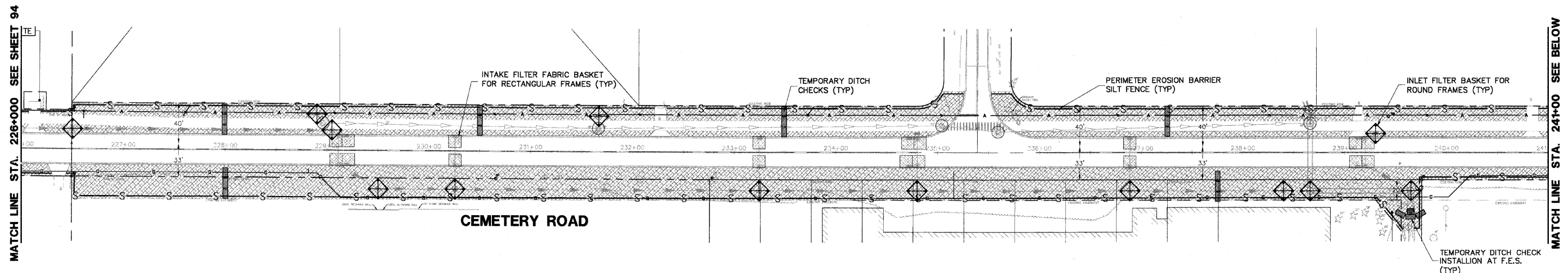
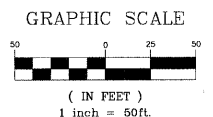
DRAWN BY: CGP
 DESIGNED BY: TAR
 CHECKED BY: BLS

SCALE: 1"=50'
 DATE: 09-10-05

PLANS PREPARED BY:
GEWALT HAMILTON
 ASSOCIATES, INC.
 Consulting Engineers & Surveyors
 850 Forest Edge Drive
 Vernon Hills, IL 60061
 (847) 478-9700
 (847) 478-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-4 LCSMC COMMENT	04-30-07
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	95
CEMETERY ROAD				
CONTRACT NO. 83845		ILLINOIS		



EROSION CONTROL PLAN LEGEND

- PERIMETER EROSION BARRIER SILT FENCE
- INLET FILTERS**
INLET FILTER BASKET, ROUND TO MATCH TY 8 OR TY 1 FRAME
INLET FILTER BASKET, RECTANGULAR TO MATCH TY 23 OR TY 24 FRAME
- INLET PROTECTION
- TEMPORARY DITCH CHECKS INSTALLATION AT F.E.S.
- TEMPORARY DITCH CHECKS
- GENERAL RESTORATION
6" TOPSOIL, SEEDING CLASS 2A
EROSION CONTROL BLANKET
- STONE RIP RAP WITH FILTER FABRIC
SEE TABLE FOR SIZES, SHEET 99

ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION AND SEDIMENT CONTROL PLAN
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
CEMETERY ROAD
STA 226+00 TO 252+00

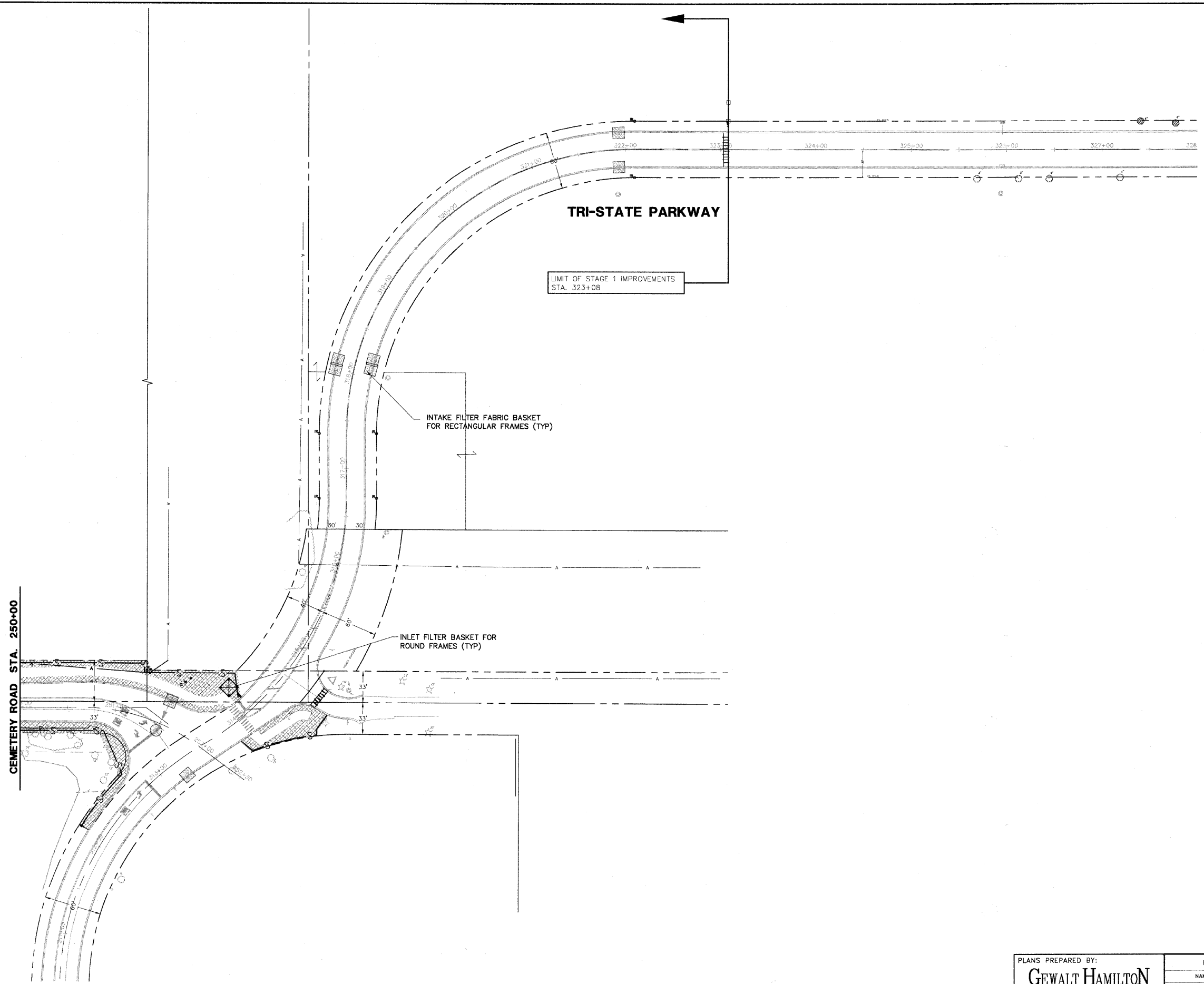
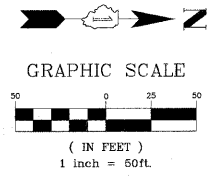
SCALE: 1"=50'
DATE: 09-10-05

DRAWN BY: CGP
DESIGNED BY: TAR
CHECKED BY: BLS

PLANS PREPARED BY:
GEWALT HAMILTON ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Ridge Drive
Vernon Hills, IL 60061
(847) 476-9700
(847) 476-9701 Fax

REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-4 LCSMC COMMENT	04-30-07
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2903	00-00047-00-FP	LAKE	180	96
TRI STATE PARKWAY				
CONTRACT NO. 83845		ILLINOIS		



EROSION CONTROL PLAN LEGEND

- PERIMETER EROSION BARRIER
- SILTY FENCE
- INLET FILTERS**
- INLET FILTER BASKET, ROUND TO MATCH TY 8 OR TY 1 FRAME
- INLET FILTER BASKET, RECTANGULAR TO MATCH TY 23 OR TY 24 FRAME
- INLET PROTECTION
- TEMPORARY DITCH CHECKS INSTALLATION AT F.E.S.
- TEMPORARY DITCH CHECKS
- GENERAL RESTORATION**
- 6" TOPSOIL, SEEDING CLASS 2A EROSION CONTROL BLANKET
- STONE RIP RAP WITH FILTER FABRIC SEE TABLE FOR SIZES, SHEET 99

ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION AND SEDIMENT CONTROL PLAN

**PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
TRI STATE PARKWAY STA
STA 310+50 TO 328+00**

PLANS PREPARED BY:
GEWALT HAMILTON
ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
(847) 478-9701 Fax

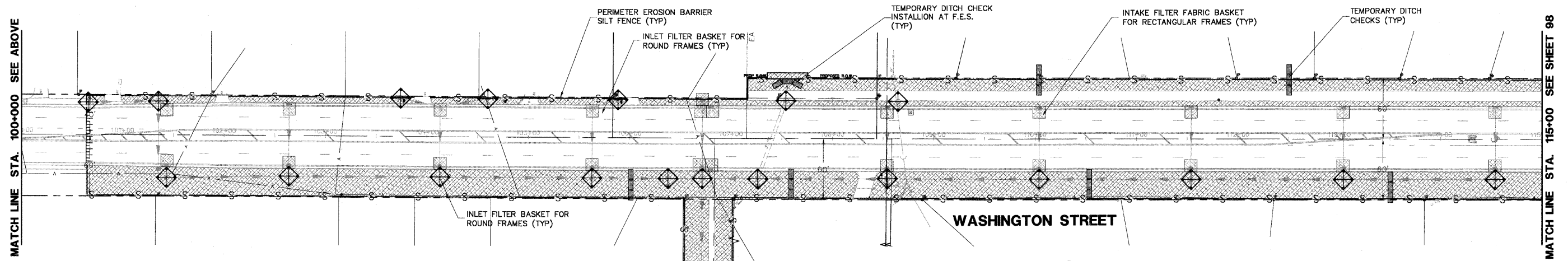
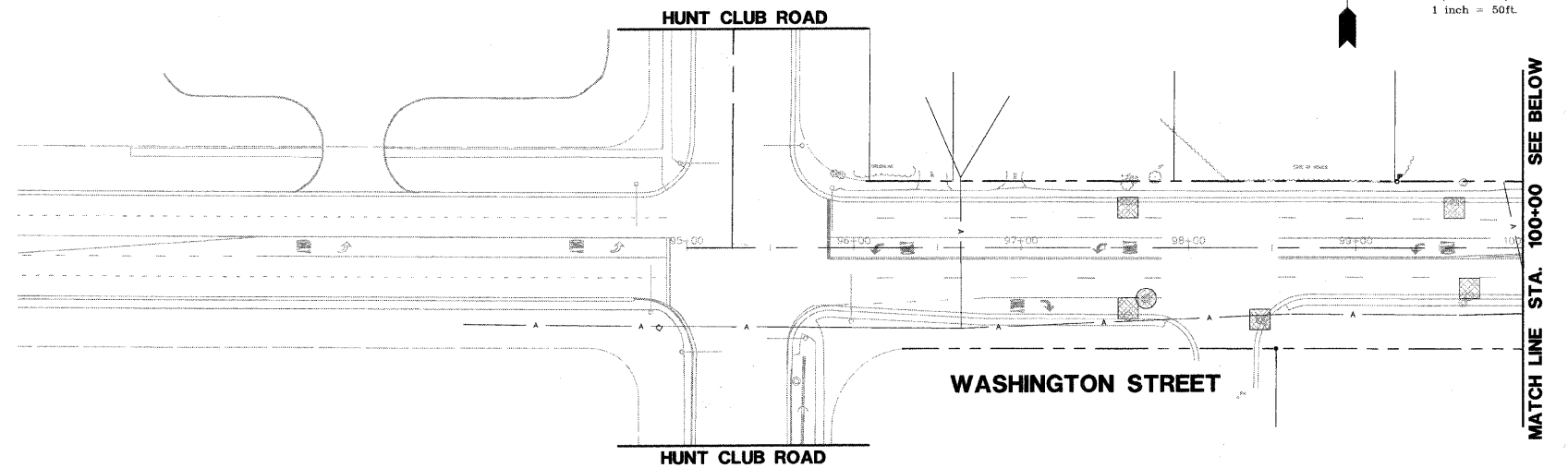
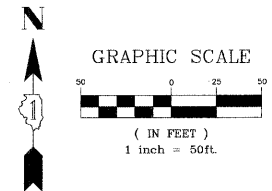
REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
REV.-2 PLANS STAGED	06-02-06
REV.-4 LCSMC COMMENT	04-30-07
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

SCALE: 1"=50'
DATE: 09-10-05

DRAWN BY: CGP
DESIGNED BY: TAR
CHECKED BY: BLS

300-212-841-107-049

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	97
WASHINGTON STREET				
CONTRACT NO. 83845		ILLINOIS		



MATCH LINE STA. 100+000 SEE ABOVE

MATCH LINE STA. 100+00 SEE BELOW

MATCH LINE STA. 115+00 SEE SHEET 98

- PERIMETER EROSION BARRIER SILT FENCE (TYP)
- INLET FILTER BASKET FOR ROUND FRAMES (TYP)
- TEMPORARY DITCH CHECK INSTALLATION AT F.E.S. (TYP)
- INTAKE FILTER FABRIC BASKET FOR RECTANGULAR FRAMES (TYP)
- TEMPORARY DITCH CHECKS (TYP)

GENERAL RESTORATION
6" TOP SOIL, SEEDING, CLASS 2A
EROSION CONTROL BLANKET (TYP)

ARTICULATED BLOCK
REVEGETATION MATERIAL
SEE TABLE FOR SIZES,
SHEET 99 (TYP)

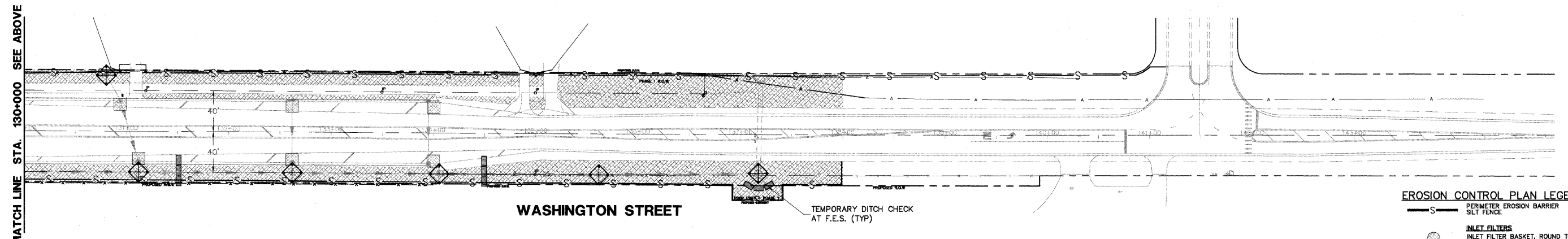
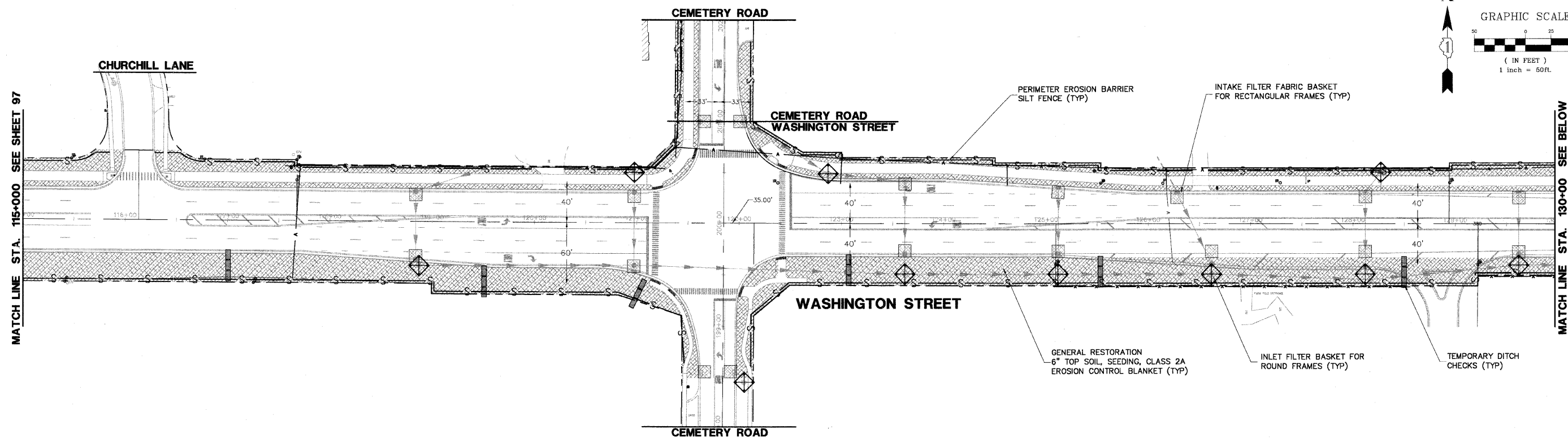
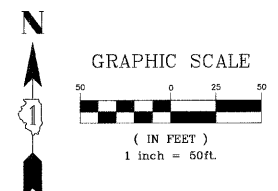
EROSION CONTROL PLAN LEGEND

- PERIMETER EROSION BARRIER SILT FENCE
- INLET FILTER BASKET, ROUND TO MATCH TY 8 OR TY 1 FRAME
- INLET FILTER BASKET, RECTANGULAR TO MATCH TY 23 OR TY 24 FRAME
- INLET PROTECTION
- TEMPORARY DITCH CHECKS INSTALLATION AT F.E.S.
- TEMPORARY DITCH CHECKS
- GENERAL RESTORATION 6" TOPSOIL, SEEDING CLASS 2A EROSION CONTROL BLANKET
- STONE RIP RAP WITH FILTER FABRIC SEE TABLE FOR SIZES, SHEET 99

PLANS PREPARED BY:
GEWALT HAMILTON
ASSOCIATES, INC.
Consulting Engineers & Surveyors
850 Forest Edge Drive
Vernon Hills, IL 60061
(847) 478-9700
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REVISIONS	
NAME	DATE
REV.-1 IDOT COMMENTS	02-03-06
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REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION AND SEDIMENT CONTROL PLAN
PROPOSED ROADWAY WIDENING
AND INTERSECTION IMPROVEMENTS
WASHINGTON STREET
STA 91+00 TO 115+00
SCALE: 1"=50'
DATE: 09-10-05
DRAWN BY: CGP
DESIGNED BY: TAR
CHECKED BY: BLS



EROSION CONTROL PLAN LEGEND

- PERIMETER EROSION BARRIER SILT FENCE
- INLET FILTER BASKET, ROUND TO MATCH TY 8 OR TY 1 FRAME
- INLET FILTER BASKET, RECTANGULAR TO MATCH TY 23 OR TY 24 FRAME
- INLET PROTECTION
- TEMPORARY DITCH CHECKS INSTALLATION AT F.E.S.
- TEMPORARY DITCH CHECKS
- GENERAL RESTORATION 6" TOPSOIL, SEEDING CLASS 2A EROSION CONTROL BLANKET
- STONE RIP RAP WITH FILTER FABRIC SEE TABLE FOR SIZES, SHEET 99

ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION AND SEDIMENT CONTROL PLAN
 PROPOSED ROADWAY WIDENING
 AND INTERSECTION IMPROVEMENTS
 WASHINGTON STREET
 STA 115+00 TO 143+00

SCALE: 1"=50'
 DATE: 09-10-05

DRAWN BY: CGP
 DESIGNED BY: TAR
 CHECKED BY: BLS

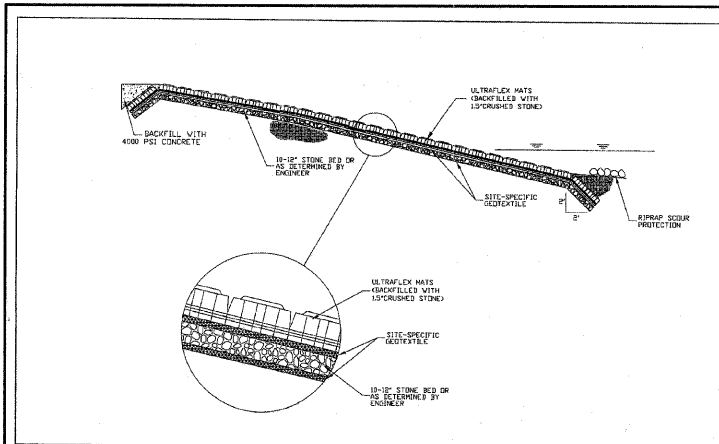
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REVISIONS	
NAME	DATE
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REV.-4 LCSMC COMMENT	04-30-07
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

MATCH LINE STA. 115+00 SEE SHEET 97

MATCH LINE STA. 130+00 SEE BELOW

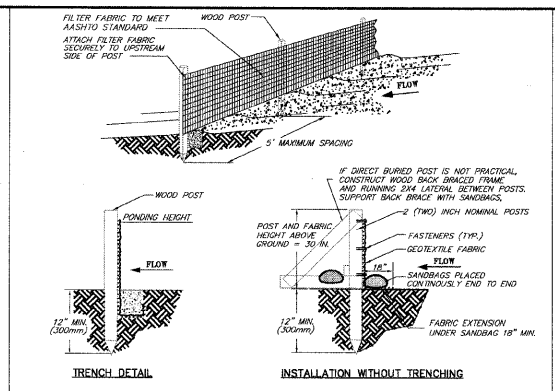
MATCH LINE STA. 130+00 SEE ABOVE



SLOPE PROTECTION USING ULTRAFLEX MATS

ERO-TEX
P.O. BOX 681342
SCHLAUBURG, IL 60194

NEED CONCEPT DRAWINGS BE PROVIDED BY OWNER FOR EXISTING PROJECTS AND FOR NEW CONSTRUCTION PROJECTS. MAKE CONCEPT DRAWINGS NOT BE CORRECT UNLESS APPROVED BY SUBMAR, INC. CA/24/08



SILT FENCE INSTALLATION DETAIL

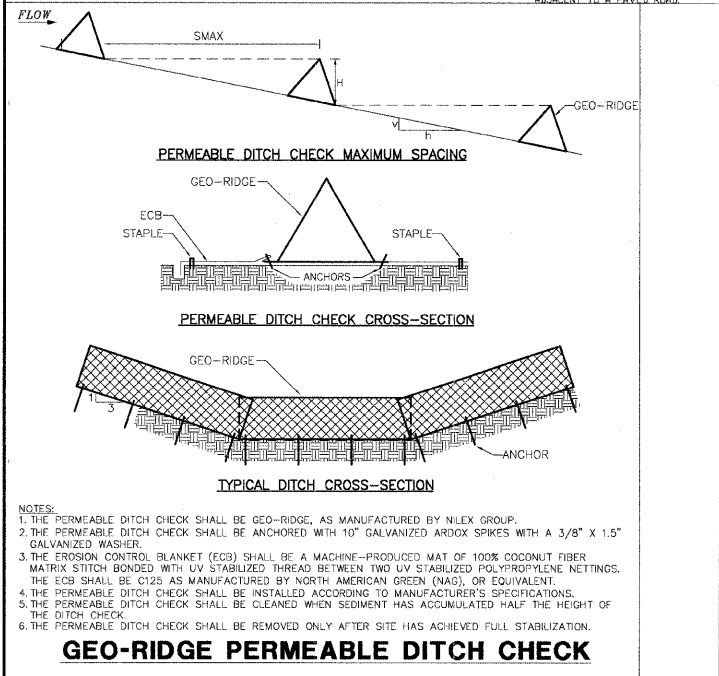
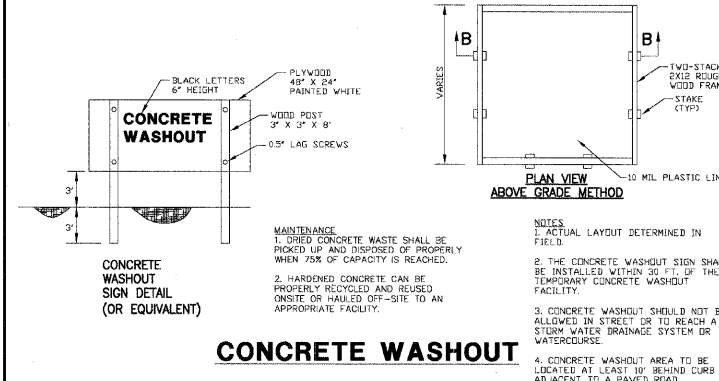
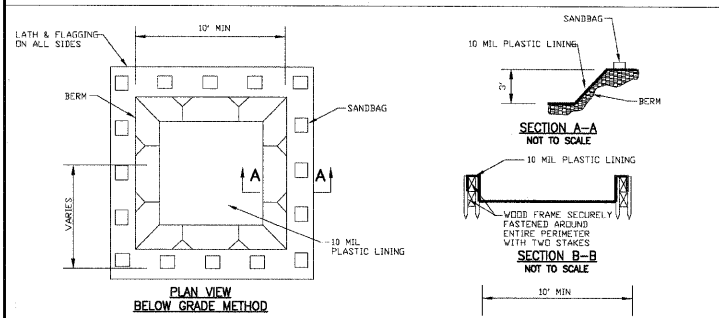
1. SET POSTS AND EXCAVATE OR SLIT-TRENCH A 6-INCH DEEP TRENCH UPSLOPE ALONG THE LINE OF THE POST.

2. ATTACH GEOTEXTILE FILTER FABRIC TO EACH POST WITH A MINIMUM OF 3 (THREE) FASTENERS PER POST AND EXTEND TO THE BOTTOM OF THE TRENCH. ACCEPTABLE FASTENERS INCLUDE STAPLES, ZIP-TIES, OR WIRE TIES.

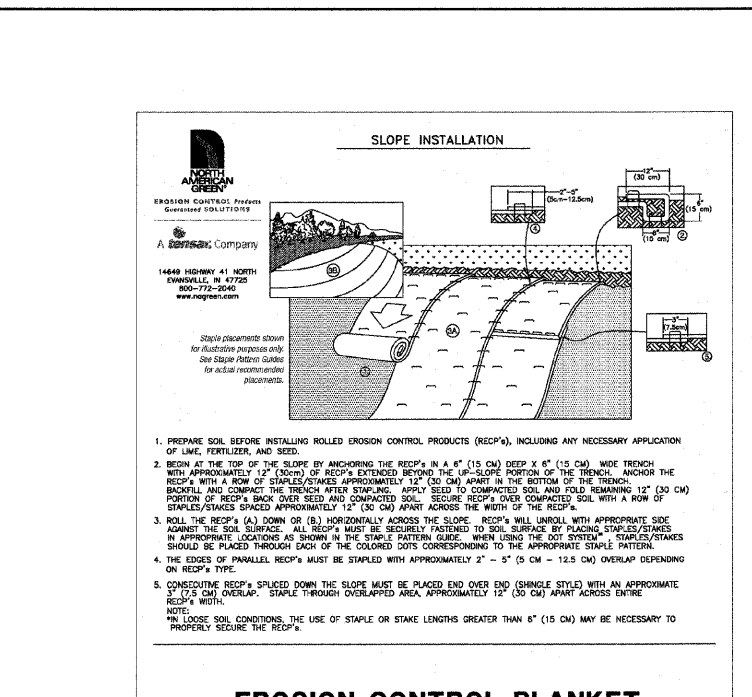
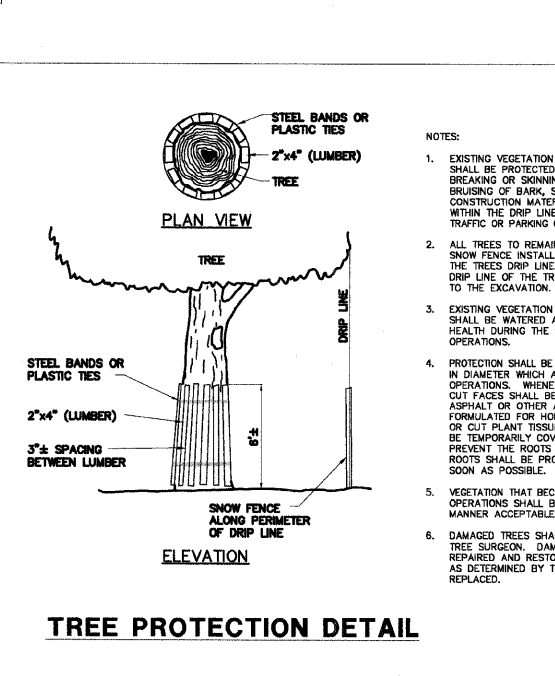
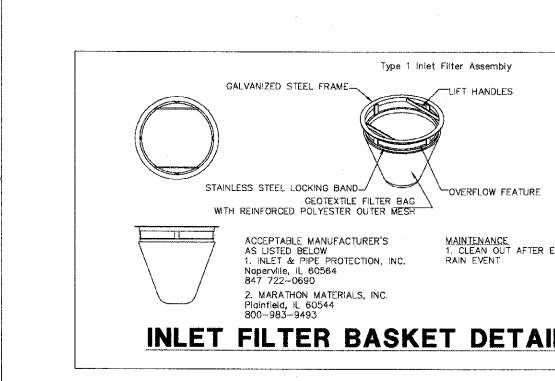
3. BACKFILL AND COMPACT THE EXCAVATED SPOIL MATERIALS.

NOTES:
1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE FLOW EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
4. FABRIC AND INSTALLATION SHALL MEET THE REQUIREMENTS OF ASHTO STANDARD SPECIFICATION M-288-00.

ARTICULATED BLOCK REVETMENT MATERIAL

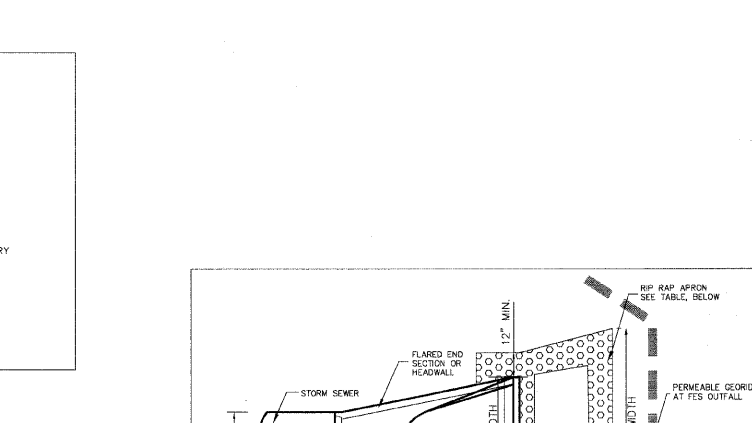


EROSION CONTROL BLANKET SLOPE INSTALLATION



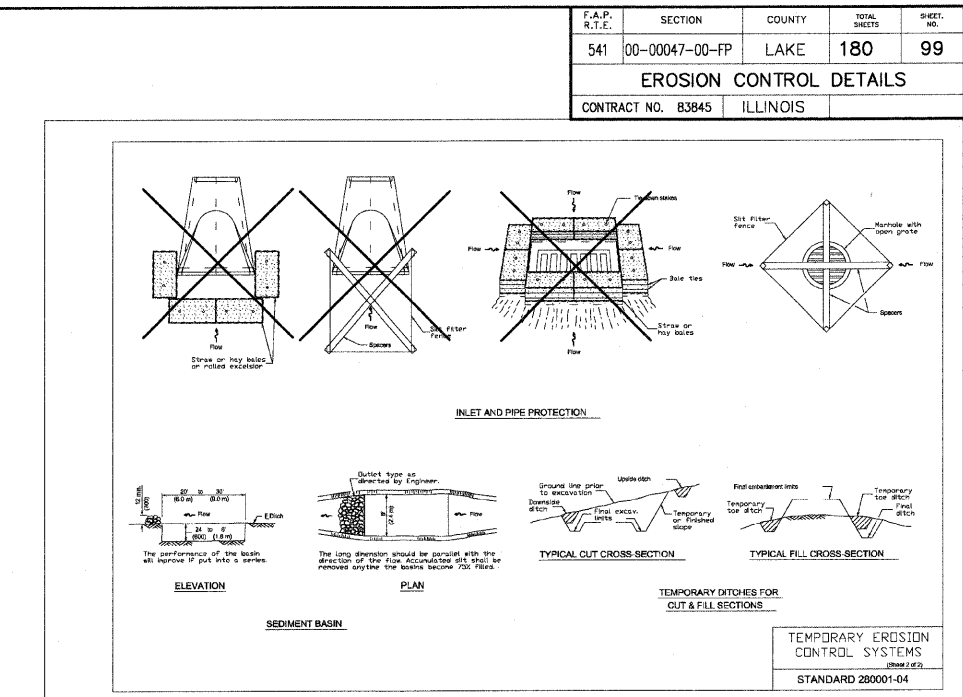
RIP RAP TABLE - FROM STORMWATER MANAGEMENT REPORT

FES	PROJECT LOCATION	PIPE DIA.	ROCK GRADE	APRON SIZE	UP	DOWN
74H	CEM: 208+82	18	No.4	16	4.5	17.5
9G	CEM: 217+80	24	ABRM	16	6.0	18.0
20A	CEM: 239+60	48	No.4	24	12.0	13.6
62A	WAS: 107+55	36	No.4	22	9.0	11.8
61A	WAS: OUTLOT	36	ABRM	20	9.0	23.0
51F	WAS: 137+18	48	No.4	24	12.0	



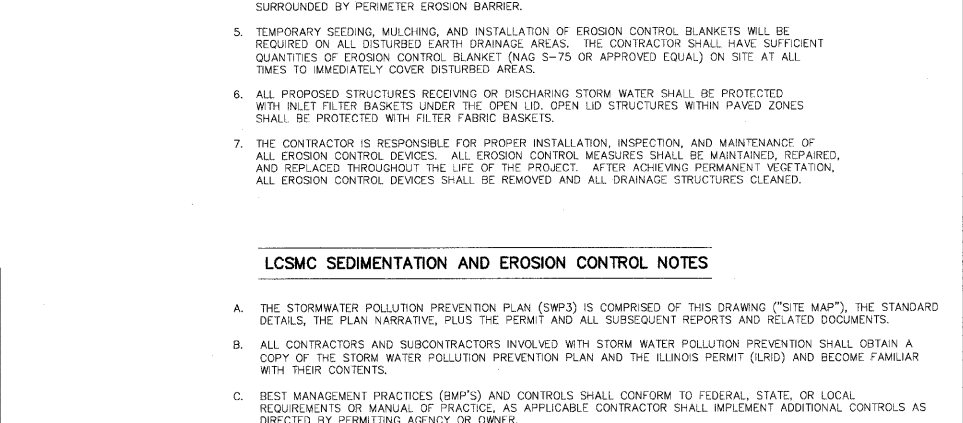
LCSM SEDIMENTATION AND EROSION CONTROL NOTES

- PRIOR TO STARTING ANY WORK ON THIS PROJECT, THE CONTRACTOR SHALL PERFORM PERTINENT ACTIVITIES AS OUTLINED.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE SOIL EROSION DEVICES AS OUTLINED IN THE SOIL EROSION NOTES ON THIS SHEET AND THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION SEDIMENT AND EROSION CONTROL NOTES ON THIS SHEET. SOME MAJOR ITEMS ARE INCLUDED BELOW.
- NO DIRT STOCKPILES, EQUIPMENT, SUPPLIES, OR TRAILERS ARE PERMITTED TO BE LOCATED OR STORED WITHIN THE FLOODPLAIN. ALL MATERIAL SHALL BE MOVED OUTSIDE THE FLOODPLAIN LIMITS AT THE CLOSE OF EACH DAY.
- INSTALL SILT FENCE ALONG PERIMETER OF CONSTRUCTION ZONE AS SHOWN. ALL SILT FENCE TO BE INSTALLED OUTSIDE OF DELINEATED NATURAL RESOURCE. ALL EARTH STOCKPILES SHALL BE SURROUNDED BY PERIMETER EROSION BARRIER.
- TEMPORARY SEEDING, MULCHING, AND INSTALLATION OF EROSION CONTROL BLANKETS WILL BE REQUIRED ON ALL DISTURBED EARTH DRAINAGE AREAS. THE CONTRACTOR SHALL HAVE SUFFICIENT QUANTITIES OF EROSION CONTROL BLANKET (NAG S-75 OR APPROVED EQUAL) ON SITE AT ALL TIMES TO IMMEDIATELY COVER DISTURBED AREAS.
- ALL PROPOSED STRUCTURES RECEIVING OR DISCHARGING STORM WATER SHALL BE PROTECTED WITH INLET FILTER BASKETS UNDER THE OPEN LID. OPEN LID STRUCTURES WITHIN PAVED ZONES SHALL BE PROTECTED WITH FILTER FABRIC BASKETS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROPER INSTALLATION, INSPECTION, AND MAINTENANCE OF ALL EROSION CONTROL DEVICES. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED, REPAIRED, AND REPLACED THROUGHOUT THE LIFE OF THE PROJECT. AFTER ACHIEVING PERMANENT VEGETATION, ALL EROSION CONTROL DEVICES SHALL BE REMOVED AND ALL DRAINAGE STRUCTURES CLEANED.



RIP RAP TABLE - FROM STORMWATER MANAGEMENT REPORT

FES	PROJECT LOCATION	PIPE DIA.	ROCK GRADE	APRON SIZE	UP	DOWN
74H	CEM: 208+82	18	No.4	16	4.5	17.5
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ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION AND SEDIMENT CONTROL PLAN

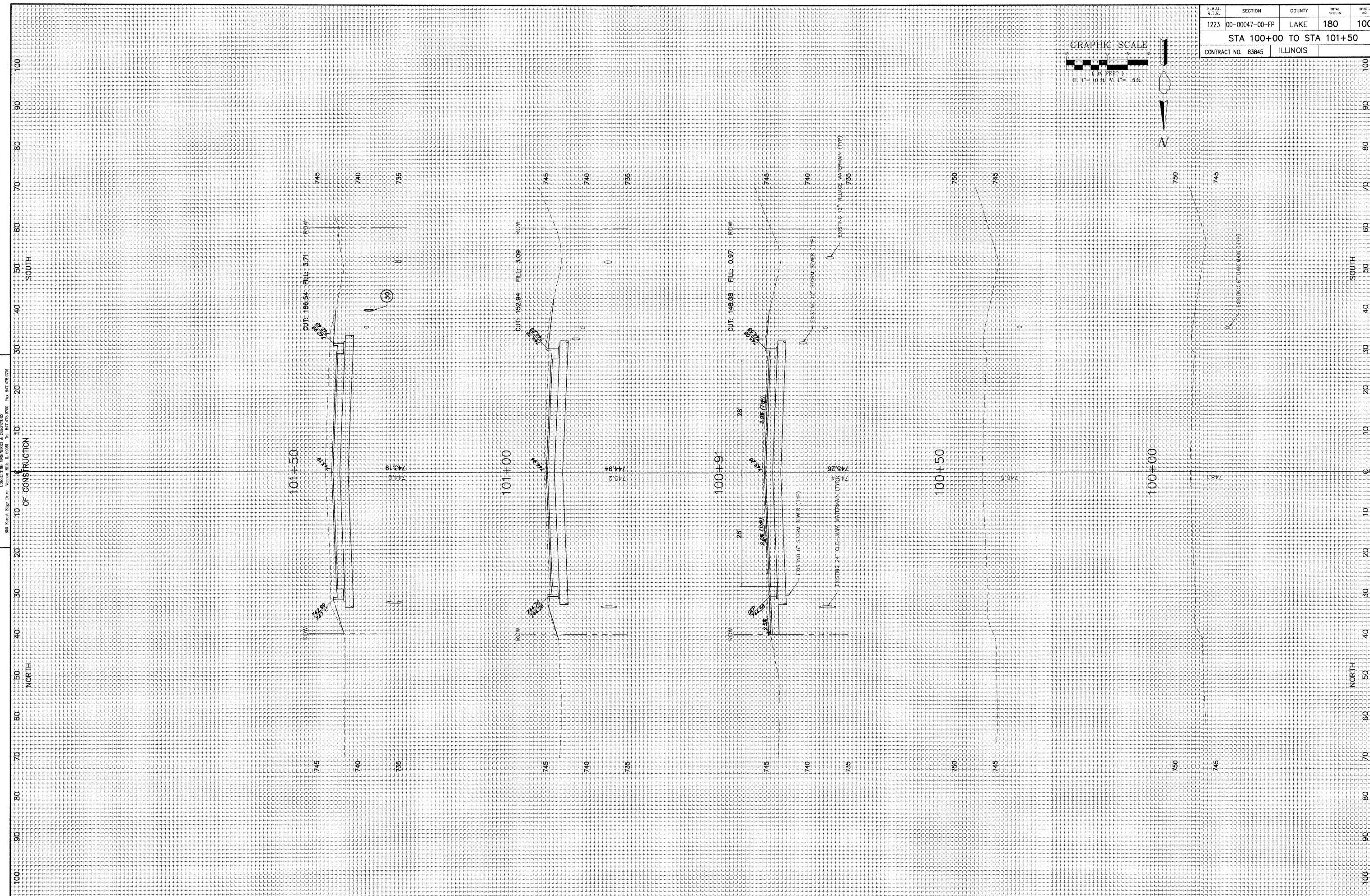
PROPOSED ROADWAY WIDENING AND INTERSECTION IMPROVEMENTS EROSION CONTROL DETAILS

PLANS PREPARED BY:
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Consulting Engineers & Surveyors
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REVISIONS	
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REV.-2 PLANS STAGED	06-02-06
REV.-4 LCSM COMMENT	04-30-07
REV.-5 PRE-FINAL SUB	02-20-09
PS&E SUBMITTAL	04-10-09

SCALE: N.T.S.
DATE: 09-10-05

DRAWN BY: CGP
DESIGNED BY: TAR
CHECKED BY: BLS



F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1223	00-00047-00-FP	LAKE	180	100
STA 100+00 TO STA 101+50		ILLINOIS		
CONTRACT NO. 83845				

REVISION	DATE	REVISION	DATE
REV-5 PRE-FINAL SUB	02-20-09		
REV-2 PLANS STAGED	08-02-08		
REV-1 100% COMMENTS	02-03-08	PS&E SUBMITTAL	04-10-08