

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1236	08-00100-00-PV	LAKE	35	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 63697	

IMPROVEMENT LOCATED IN THE VILLAGE OF LIBERTYVILLE.

DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PLANS FOR  
PROPOSED FEDERAL-AID HIGHWAY**

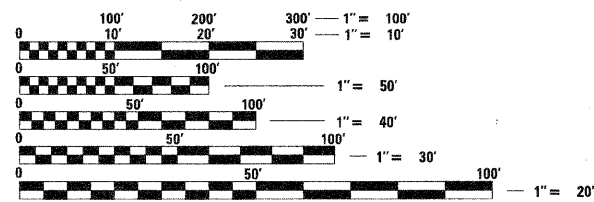
F.A.U. ROUTE 1236 (LAKE STREET)  
F.A.U. ROUTE 2647 (BUTTERFIELD ROAD) TO BRAINERD AVENUE  
SECTION 08-00100-00-PV  
PROJECT NO. M-9003 (244)  
RESURFACING AND WATERMAIN INSTALLATION  
LAKE COUNTY  
C-91-331-09



INDEX OF SHEETS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF STATE STANDARDS, SEE SHEET NO. 3

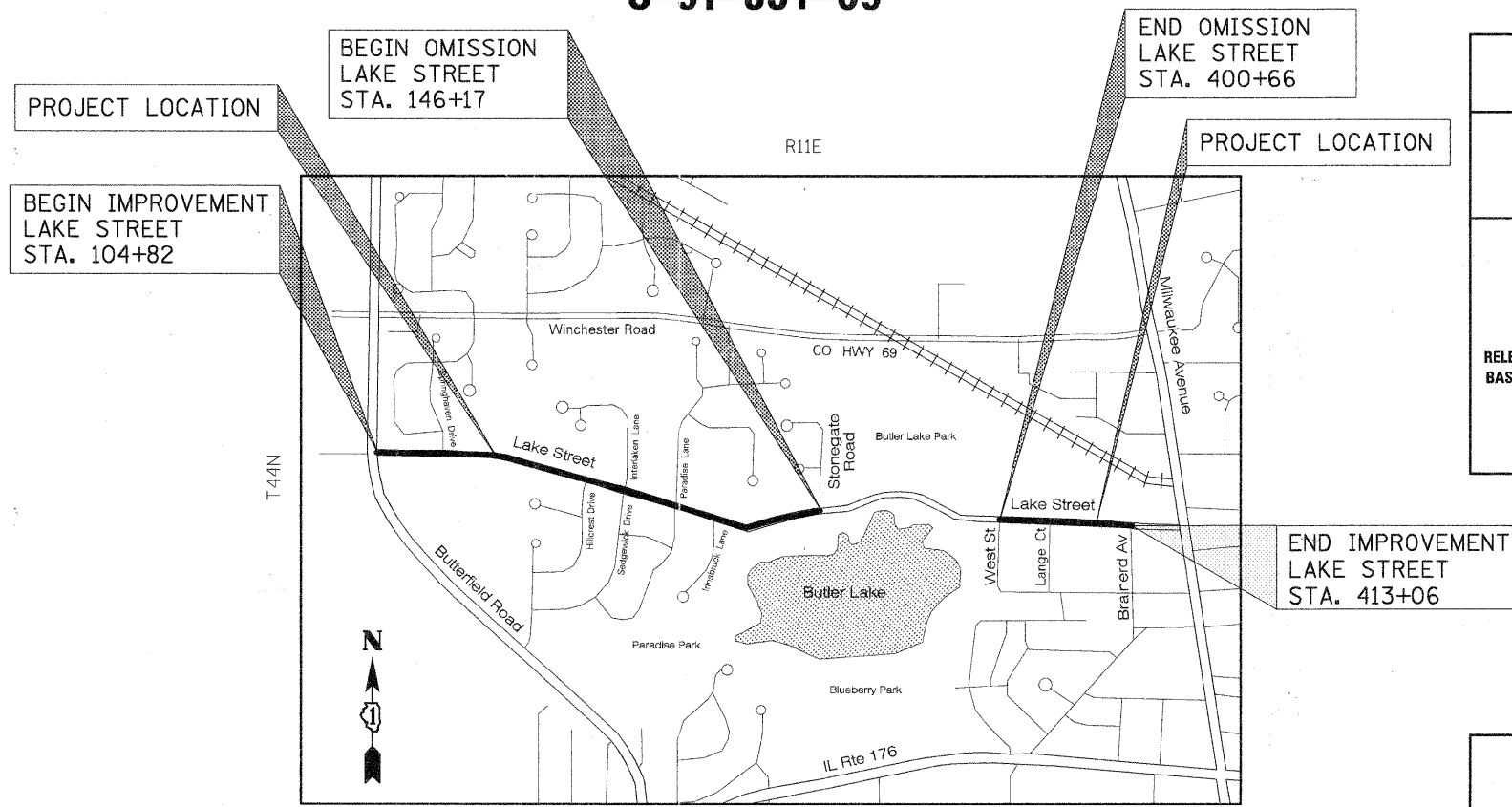


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.



Call 48 hours before you dig (Excluding Sat., Sun. & Holidays)

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123 OR 811



LOCATION MAP  
NOT TO SCALE

LAKE STREET  
FUNCTIONAL CLASSIFICATION  
COLLECTOR-URBAN  
2007 ADT = 3,300

PROJECT LENGTH:  
LAKE STREET - 5375 FT (1.02 MILE) NET  
- 7038 FT (1.33 MI) GROSS

POSTED AND DESIGN SPEEDS:  
LAKE STREET - 30 MPH DESIGN; 25 MPH POSTED

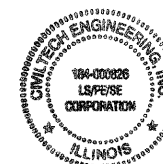
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED: *[Signature]* FEB. 2 20 12  
DIRECTOR OF PW  
VILLAGE OF LIBERTYVILLE

PASSED: FEBRUARY 21 20 12  
*[Signature]* DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW: FEBRUARY 23, 20 12  
*[Signature]* DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

REGISTERED P.E., STATE OF ILLINOIS: *Derek N. Mall* 11/30/2013 EXPIRES



PLANS PREPARED BY:  
**CIVILTECH**  
450 E. Devon Ave, Suite 300 - Itasca, Illinois 60143  
Tel: 630.773.3900 - Fax: 630.773.3975  
www.civiltechinc.com

CONSULTANT ENGINEER: DEREK N. MALL, P.E. CIVILTECH ENGINEERING, INC.  
PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847) 705-4406 SCHAMBURG, IL

**SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS**

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ("STANDARD SPECIFICATIONS"), ADOPTED JANUARY 1, 2012; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2012; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2009 SIXTH EDITION, THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS AND IDOT STANDARD DRAWINGS INCLUDED IN THE CONTRACT DOCUMENTS.
2. ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED AS THE RESIDENT ENGINEER.
3. ALL UTILITY COMPANIES, SCHOOL DISTRICTS, AND LOCAL POLICE AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.

**STAKING**

1. ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
2. THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN THE PROPER LOCATION. ALL OTHER STRUCTURES ARE DIMENSIONED TO THE CENTER OF STRUCTURE, UNLESS OTHERWISE NOTED.
3. PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE INDICATED.
4. THE CONSTRUCTION BASELINE HAS BEEN ESTABLISHED FOR STAKING PURPOSES ONLY AND IS NOT INTENDED TO BE A CENTERLINE OF RIGHT-OF-WAY.
5. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE VILLAGE, THE COUNTY, ITS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

**PAVING AND CURB & GUTTER**

1. THE CONTRACTOR SHALL SAW CUT PAVEMENT, CURB & GUTTER, PAVEMENT PATCHES, DRIVEWAYS AND SIDEWALK AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING MATERIAL TO BE REMOVED BY MEANS OF AN APPROVED SAW TO FULL DEPTH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

THE CONTRACTOR SHALL BE REQUIRED TO SAW VERTICAL CUTS SO AS TO FORM CLEAN VERTICAL JOINTS. SHOULD THE CONTRACTOR DEFACE ANY EDGE, A NEW SAWED JOINT SHALL BE PROVIDED AND ANY ADDITIONAL WORK, INCLUDING REMOVAL AND REPLACEMENT, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

2. THE LEVELING BINDER COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY CURED AND BACK FILLED TO THE SATISFACTION OF THE ENGINEER.
3. HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, AND HOT-MIX ASPHALT BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.
4. THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE LEVEL BINDER OR EXISTING PAVEMENT UPON WHICH THE HOT-MIX ASPHALT MATERIALS ARE PLACED.

**EXCAVATION**

1. ALL EXCESS MATERIAL (BROKEN CONCRETE, SEWER PIPE, WASTE ROADWAY EXCAVATION AND SURPLUS MATERIAL FROM TRENCHES) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEMS IN THE CONTRACT.

**TREE PROTECTION, PRUNING, ROOT PRUNING, AND CLEARING**

1. ALL TREE PROTECTION, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS DIRECTED BY THE ENGINEER.
2. WHEN TREE TRUNK PROTECTION REQUIRES TEMPORARY FENCING, IT SHALL BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. AFTER TREES ARE SAFELY FENCED, NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCED AREA. PROTECTIVE TEMPORARY FENCE IS TO BE REMOVED ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
3. TREE PROTECTION, TREE PRUNING, AND ROOT PRUNING SHALL BE DIRECTED BY THE ENGINEER.
4. CLEARING OF BRUSH, HEDGES, LANDSCAPING MATERIALS, AND FLOWERS SHALL BE INCLUDED IN THE COST OF THE CONTRACT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

5. PRIVATE SPRINKLER SYSTEMS ARE PRESENT AT VARIOUS LOCATIONS ON THE PROJECT. IF A SPRINKLER SYSTEM IS IN CONFLICT WITH THE WATERMAIN INSTALLATION, THE CONTRACTOR SHALL CUT AND CAP THE EXISTING SYSTEM AT THE R.O.W. TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

**SEWER**

1. THE COST OF MAKING SEWER CONNECTIONS TO EXISTING OR PROPOSED SEWER OR DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE SEWER OR STRUCTURE BEING CONSTRUCTED.

2. UNLESS OTHERWISE NOTED ON THE PLANS, THE EXISTING DRAINAGE FACILITIES SHALL REMAIN IN USE DURING THE PERIOD OF CONSTRUCTION. LOCATIONS OF EXISTING DRAINAGE STRUCTURES AND SEWERS AS SHOWN ON THE PLANS ARE APPROXIMATE. PRIOR TO COMMENCING WORK THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL DETERMINE THE EXACT LOCATIONS OF EXISTING STRUCTURES WHICH ARE WITHIN THE PROPOSED CONSTRUCTION LIMITS. DURING CONSTRUCTION, IF THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWERS, UNDERDRAINS OR FIELD DRAINS WITHIN THE RIGHT-OF-WAY OTHER THAN THOSE SHOWN ON THE PLANS, HE SHALL SO INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF MAINTAINED. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF THE NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED AT THE CONTRACTOR'S OWN EXPENSE. SHOULD THE ENGINEER HAVE DIRECTED THE REPLACEMENT OF A FACILITY, THE NECESSARY WORK AND PAYMENT SHALL BE IN ACCORDANCE WITH SECTIONS 550 AND 601, AND ARTICLE 104.02 OF THE STANDARD SPECIFICATIONS.

3. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET. HE SHALL BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWER ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT.

4. ALL SEWER AND WATER SERVICES CROSSED BY NEW STORM SEWERS SHALL BE PROPERLY LOCATED AND PROTECTED DURING CONSTRUCTION. ANY DAMAGE TO SAID SERVICES NOT CONSIDERED TO BE IN CONFLICT WITH THE PROPOSED STORM SEWER SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.

**EROSION CONTROL**

1. ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL" AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.
2. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
3. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE ANY WORK BEGINS.
4. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY.
5. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MUD AND SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORK DAY BY SHOVELING AND/OR SWEEPING.
6. ALL SLOPES SHALL BE COVERED WITH SOD OR SEED & EROSION CONTROL BLANKET AS SOON AS GRADING AND PLACEMENT OF TOPSOIL HAS BEEN COMPLETED.
7. INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES IN THE CURB AND GUTTER.
8. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.

**PAVEMENT PATCHING**

1. THE PATCHES SHOWN ON THE PLANS ARE APPROXIMATE. THE ENGINEER WILL DIRECT THE CONTRACTOR AS TO THE EXACT LOCATION AND LIMIT OF PATCHES.

2. PATCHING SHALL BE DONE UNDER DAILY LANE CLOSURES AND SHALL FOLLOW IDOT STANDARD 701201. ACCESS MUST BE MAINTAINED IN BOTH DIRECTIONS AT ALL TIMES.

3. WHEN PLACING TYPE C PATCHES, THE CONTRACTOR MAY PLATE THE PATCH WHILE WAITING FOR THE CONCRETE TO CURE. THE PLATING OF THESE PATCHES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE TYPE C PATCH.

4. THE ENGINEER WILL DIRECT THE CONTRACTOR AS TO THE DEPTH REQUIRED FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS AND PGE FOR EACH PATCH LOCATION.

**SIGNING, STRIPING & LANDSCAPING**

1. THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN. AREAS OUTSIDE THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

2. SIGNS THAT ARE TO BE RELOCATED ARE TO BE REMOVED AND RE-ERECTED IN THEIR FINAL LOCATION WITH-IN A PERIOD OF 24 HOURS. IF THE CONTRACTOR CANNOT RE-ERECT SIGN WITH-IN THIS TIME FRAME, HE SHALL PROVIDE A TEMPORARY SIGN OF THE SAME TYPE AND SIZE. PROVIDING AND MAINTAINING THE TEMPORARY SIGN SHALL BE INCLUDED IN THE COST OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

3. THE ENGINEER WILL DETERMINE THE APPROPRIATE LOCATION FOR RELOCATED SIGNS AND DIRECT THE CONTRACTOR.

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**UTILITIES**

1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES AND EXERCISE CARE DURING HIS CONSTRUCTION OPERATIONS SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.31 OF THE "STANDARD SPECIFICATIONS." THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THEIR FACILITIES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF THE CONSTRUCTION OPERATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ABOVE AND BELOW GROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE UTILITY OWNER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS OF HIS CONSTRUCTION SCHEDULE AND SHALL COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITY OWNERS SO THAT RELOCATION OF UTILITY LINES AND STRUCTURES MAY PROCEED IN AN ORDERLY MANNER. NOTIFICATION SHALL BE IN WRITING, WITH COPIES TRANSMITTED TO THE ENGINEER.
3. ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE VILLAGE.
4. THE CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR CONSTRUCTION STAGING NECESSARY TO ACCOMMODATE UTILITY RELOCATION OR ADJUSTMENT AND/OR FOR DELAYS CAUSED BY UTILITY RELOCATION OR ADJUSTMENT.
5. THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY FOR DEWATERING TRENCH EXCAVATIONS AS WELL AS SHORING TRENCH WALLS DURING UTILITY OPERATIONS. COMPLIANCE WITH THE ABOVE WILL BE INCLUDED IN THE COST OF THE CONTRACT.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE VILLAGE OF LIBERTYVILLE REGARDING SANITARY SEWERS AND WATER MAINS TO VERIFY THE MATERIALS AND METHODS ALLOWED FOR THE ADJUSTMENT OR RELOCATION OF THEIR FACILITIES, IF NECESSARY.

**MATERIALS QC/QA POLICY**

1. ALL HOT-MIX ASPHALT AND P.C. CONCRETE MATERIALS USED ON THIS PROJECT SHALL BE TESTED AND INSPECTED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S QC/QA REQUIREMENTS.
2. THE CONTRACTOR SHALL PROVIDE QC TESTING AND INFORM THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF MATERIALS ORDER BOARD (PHONE: 847-705-4337 OR FAX: 847-705-4529) BY 4:00 P.M., 24-HOURS IN ADVANCE OF CONSTRUCTION FOR INSPECTION OF ALL HOT-MIX ASPHALT AND CONCRETE MATERIALS USED ON THIS PROJECT.
3. THE CONTRACTOR IS TO SUBMIT A QC PLAN FOR HMA AND CONCRETE MATERIALS TO THE QA MANAGER FOR APPROVAL PRIOR TO CONSTRUCTION OPERATIONS COMMENCING. THE QA MANAGER WILL APPROVE THIS PLAN AND COPY THE DISTRICT MATERIALS OFFICE ON THE APPROVAL LETTER.
4. QC AND QA REPORTS FOR CONCRETE WILL BE SENT TO THE DISTRICT BUREAU OF MATERIALS OFFICE AFTER REVIEW AND APPROVAL BY THE QA MANAGER.
5. QC REPORT FOR HOT-MIX ASPHALT MIXTURES WILL BE TRANSMITTED DIRECTLY BY THE CONTRACTOR DAILY DURING PRODUCTION. THE DISTRICT WILL REVIEW AND RETAIN THE QA PLANT REPORTS. THE QA FIELD REPORTS CAN BE SUBMITTED BY THE QA MANAGER TO THE DISTRICT VIA THE DISTRICT LOCAL ROADS OFFICE.
6. THE COSTS TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF THE VARIOUS HOT-MIX ASPHALT AND P.C. CONCRETE ITEMS.

**MISCELLANEOUS**

1. DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
2. UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER, ALL EXISTING ACCESS POINTS SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.

**IDOT STATE STANDARDS**

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCING BARS
- 424001-06 CLASS C AND D PATCHES
- 424006 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424011 DIAGONAL CURB RAMPS FOR SIDEWALKS
- 424016 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
- 442201-03 MID-BLOCK CURB RAMPS FOR SIDEWALKS
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701901-02 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-03 SIGN PANEL ERECTION DETAILS
- 728001-01 TELESCOPING STEEL SIGNING SUPPORT

**IDOT DISTRICT 1 STANDARDS**

- BD400-05 BUTT JOINT AND HMA TAPER DETAILS
- BD600-03 DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
- BD600-06 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
- TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS

**VILLAGE OF LIBERTYVILLE STANDARDS**

- 001 P.C.C. SIDEWALK
- 003 INTEGRAL CURB & GUTTER REPLACEMENT FOR NEW OR REPLACEMENT DRIVEWAY
- 007 WATER SERVICE INSTALLATION
- 010 THRUST BLOCK INSTALLATION
- 012 SIDEWALK AND DRIVEWAY REPLACEMENT
- 017 WATERMAIN VALVE VAULT
- 018 TYPICAL HYDRANT INSTALLATION
- 021 PROTECTION OF STREET LIGHTING CABLES
- 024 TYPICAL TRENCH AND BEDDING DETAIL
- 025 TREE AND BUSH ROOT PRUNING
- 036 SERVICE RE-CONNECTIONS
- 048 STORM SEWER UNDERDRAIN

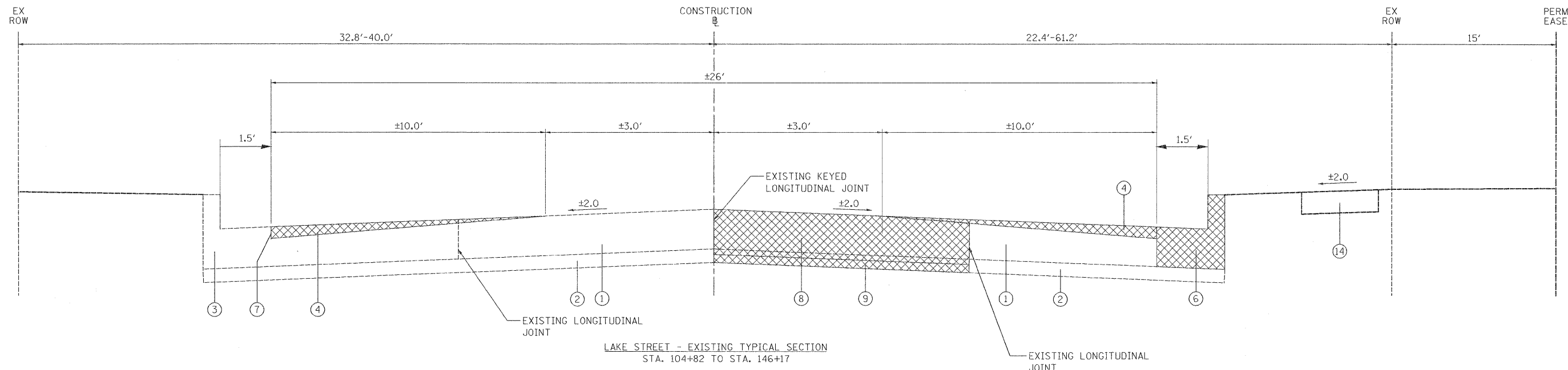
PAY ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				FEDERAL PARTICIPATION		NON-PARTICIPATING
				70% FED - 30% LOCAL	ROADWAY RESURFACING 0005	UTILITIES 0043
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	50	0	0	50
20101100	TREE TRUNK PROTECTION	EACH	10	0	0	10
20101200	TREE ROOT PRUNING	EACH	20	0	0	20
20101700	SUPPLEMENTAL WATERING	UNIT	50	0	0	50
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	265	265	0	0
20400800	FURNISHED EXCAVATION	CU YD	40	40	0	0
20800150	TRENCH BACKFILL	CU YD	300	0	0	300
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4582	0	0	4582
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	57	0	0	57
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	57	0	0	57
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	57	0	0	57
* 25200110	SODDING, SALT TOLERANT	SQ YD	4582	0	0	4582
* 28000400	PERIMETER EROSION BARRIER	FOOT	1500	0	0	1500
* 28000510	INLET FILTERS	EACH	37	37	0	0
31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	91	91	0	0
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	328	328	0	0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3424	3424	0	0
40600300	AGGREGATE (PRIME COAT)	TON	69	69	0	0
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	925	925	0	0
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	0	0
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	883	883	0	0
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	307	307	0	0
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1447	1447	0	0
42001300	PROTECTIVE COAT	SQ YD	1003	1003	0	0
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	37	0	0	37
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	3085	3085	0	0
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	195	195	0	0
42400800	DETECTABLE WARNINGS	SQ FT	308	308	0	0
44000100	PAVEMENT REMOVAL	SQ YD	442	442	0	0
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	3168	3168	0	0
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	60	0	0	60

PAY ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				FEDERAL PARTICIPATION		NON-PARTICIPATING
				70% FED - 30% LOCAL	ROADWAY RESURFACING 0005	UTILITIES 0043
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1290	1290	0	0
44000600	SIDEWALK REMOVAL	SQ FT	3082	3082	0	0
44201313	CLASS C PATCHES, TYPE I, 7 INCH	SQ YD	10	10	0	0
44201749	CLASS D PATCHES, TYPE I, 9 INCH	SQ YD	110	110	0	0
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	350	350	0	0
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	270	270	0	0
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	1360	1360	0	0
44213200	SAW CUTS	FOOT	10750	10750	0	0
55100100	STORM SEWER REMOVAL 4"	FOOT	20	0	0	20
55100400	STORM SEWER REMOVAL 10"	FOOT	70	0	0	70
55100700	STORM SEWER REMOVAL 15"	FOOT	60	0	0	60
* 56100600	WATER MAIN 6"	FOOT	99	0	0	99
* 56100700	WATER MAIN 8"	FOOT	166	0	0	166
* 56100900	WATER MAIN 12"	FOOT	1327	0	0	1327
* 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	6	0	0	6
* 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	8	0	0	8
60109520	PIPE UNDERDRAINS, FABRIC LINED TRENCH 6"	FOOT	234	234	0	0
* 60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	0	0	2
* 60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	0	0	4
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	1762	1762	0	0
67100100	MOBILIZATION	L SUM	1	1	0	0
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	0	0
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	16	16	0	0
* 72000100	SIGN PANEL - TYPE 1	SQ FT	22	22	0	0
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	0	0	4
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	0	0	4
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	102	0	0	102
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5087	5087	0	0
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	904	904	0	0
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	132	132	0	0
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	148	148	0	0

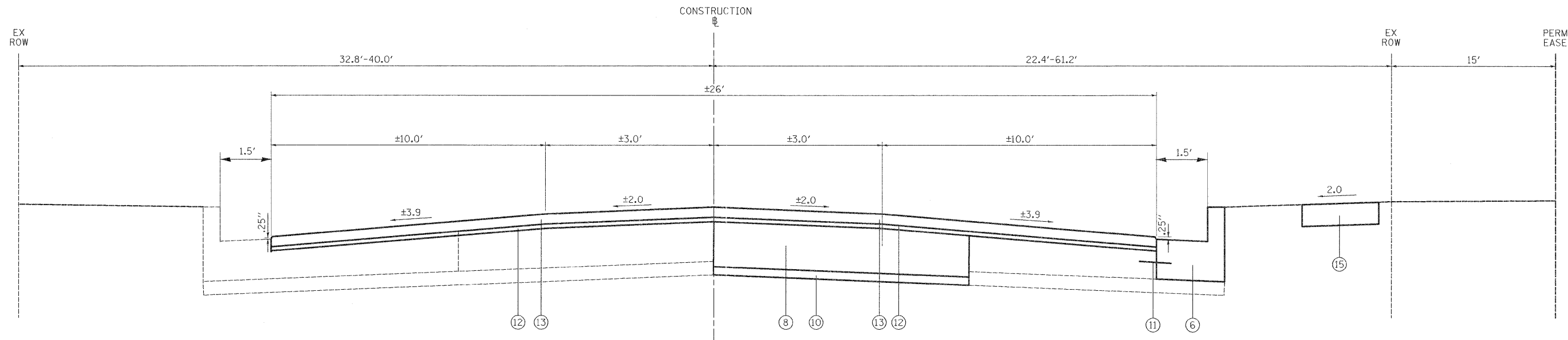
PAY ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				FEDERAL PARTICIPATION		NON-PARTICIPATING
				70% FED - 30% LOCAL	ROADWAY RESURFACING 0005	UTILITIES 0043
				TRAINEES 0042		
* A2006420	TREE, QUERCUS ALBA (WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	0	0	2
* X0839900	SANITARY SEWER REMOVAL 6"	FOOT	20	0	0	20
* X0840000	SANITARY SEWER REMOVAL 8"	FOOT	70	0	0	70
* X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	200	0	0	200
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	9056	9056	0	0
* X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	6375	0	0	6375
* X5610700	WATER MAIN REMOVAL	FOOT	140	0	0	140
* X5620040	WATER SERVICE CONNECTION 2"	EACH	1	0	0	1
* X5620116	WATER SERVICE CONNECTION (SHORT)	EACH	8	0	0	8
* X5620118	WATER SERVICE CONNECTION (LONG)	EACH	7	0	0	7
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	27	27	0	0
* XX001047	VALVE VAULTS TO BE ABANDONED	EACH	6	0	0	6
* XX001490	GATE VALVES, 8"	EACH	2	0	0	2
* XX003032	GATE VALVES, 12"	EACH	4	0	0	4
* XX003516	CONNECTIONS TO EXISTING WATER MAINS (NON-PRESSURE) -8"	EACH	2	0	0	2
XX004774	BRICK DRIVEWAY REMOVAL AND REPLACEMENT	SQ FT	39	0	0	39
* XX005107	CONNECTIONS TO EXISTING WATER MAINS (NON-PRESSURE) -12"	EACH	2	0	0	2
XX006247	SANITARY SEWER REMOVAL	FOOT	20	0	0	20
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	0	0
* Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	26	0	0	26
Z0018911	DRILL AND GROUT #6 TIE BARS	EACH	741	741	0	0
Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	400	400	0	0
Z0056602	STORM SEWER (WATER MAIN REQUIREMENTS) 4 INCH	FOOT	20	0	0	20
Z0056606	STORM SEWER (WATER MAIN REQUIREMENTS) 10 INCH	FOOT	70	0	0	70
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	60	0	0	60
* Z0056700	SANITARY SEWER 4"	FOOT	20	0	0	20
* Z0056800	SANITARY SEWER 6"	FOOT	20	0	0	20
* Z0056900	SANITARY SEWER 8"	FOOT	70	0	0	70
Z0076600	TRAINEES	hour	500	0	500	0
* XX008656	TRACE WIRE	FOOT	2866	0	0	2866
* XX008657	WATER MAIN, DUCTILE IRON PIPE, CLASS 52, 12", DIRECTIONALLY DRILLED	FOOT	1129	0	0	1129
* XX008658	WATER MAIN, DUCTILE IRON PIPE, CLASS 52, 8", DIRECTIONALLY DRILLED	FOOT	244	0	0	244

\* SPECIALTY ITEMS

FILE NAME =	USER NAME = eds	DESIGNED - JSM	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...\\Cad\sheet\2253.sht	PLOT SCALE = 1:8000 1/4" = 100'	DRAWN - JSM	REVISED -					1236	08-00100-00-PV	LAKE	35	5
	PLOT DATE = 2/28/2012	CHECKED - DNM	REVISED -		SCALE: N.T.S.	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 63697			
		DATE - 02/06/12	REVISED -		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT							



LAKE STREET - EXISTING TYPICAL SECTION  
STA. 104+82 TO STA. 146+17



LAKE STREET - PROPOSED TYPICAL SECTION  
STA. 104+82 TO STA. 146+17

**LEGEND**

- ① EXISTING P.C.C. PAVEMENT, 7"
- ② EXISTING GRANULAR SUB-BASE
- ③ EXISTING MONOLITHIC 6" BARRIER CURB
- ④ PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH) (X4400100)
- ⑤ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" (44000159)
- ⑥ COMBINATION CURB AND GUTTER REMOVAL (44000500)  
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (60604400)  
(AT LOCATIONS SHOWN ON PLANS AND AS DIRECTED BY THE ENGINEER)
- ⑦ SAW CUTS (44213200) (2 1/4" AT PCC SURFACE REMOVAL)
- ⑧ CLASS C PATCH, TYPE 1, 7 INCH (44201313)  
OR CLASS D PATCH, 9 INCH (44201749, 44201753, 44201757, 44201759)  
(SEE PLAN SHEETS FOR LOCATION AND TYPES)
- ⑨ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)
- ⑩ POROUS GRANULAR EMBANKMENT, SUBGRADE (Z0042002)
- ⑪ #6 EPOXY COATED TIE BARS, 24" LONG @ 24" C-C, DRILLED & GROUTED IN PLACE  
INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18  
(60604400)
- ⑫ 1" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (40600827)
- ⑬ 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (40603335)
- ⑭ EXISTING SIDEWALK, 4"
- ⑮ PORTLAND CEMENT CONCRETE SIDEWALK, 4"



**NOTES:**

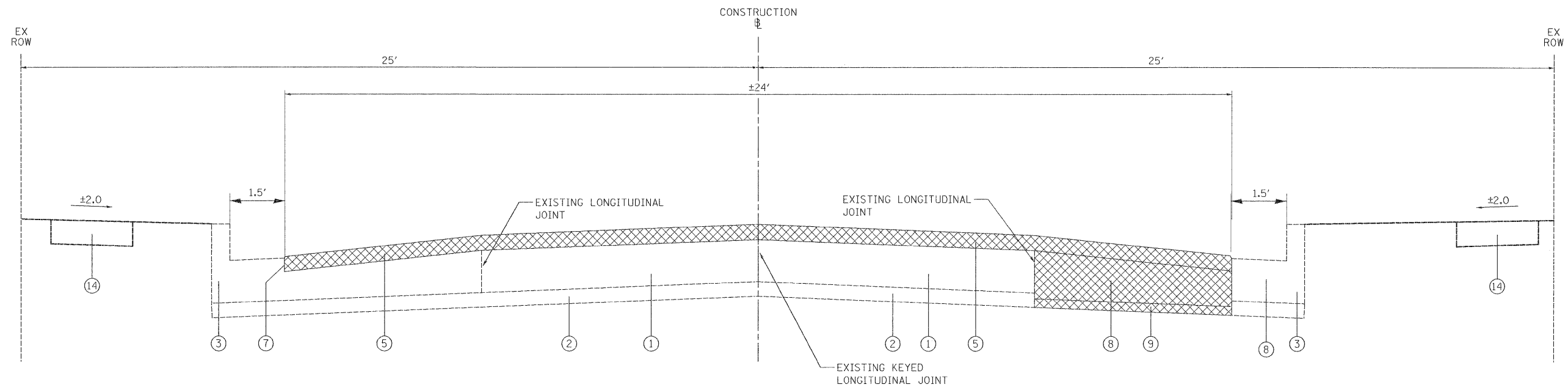
LOCATIONS AND DEPTH OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL WILL BE DETERMINED BY THE ENGINEER AS FIELD CONDITIONS REQUIRE.

CONTRACTOR SHALL MILL HMA SURFACE BEFORE PATCHING.

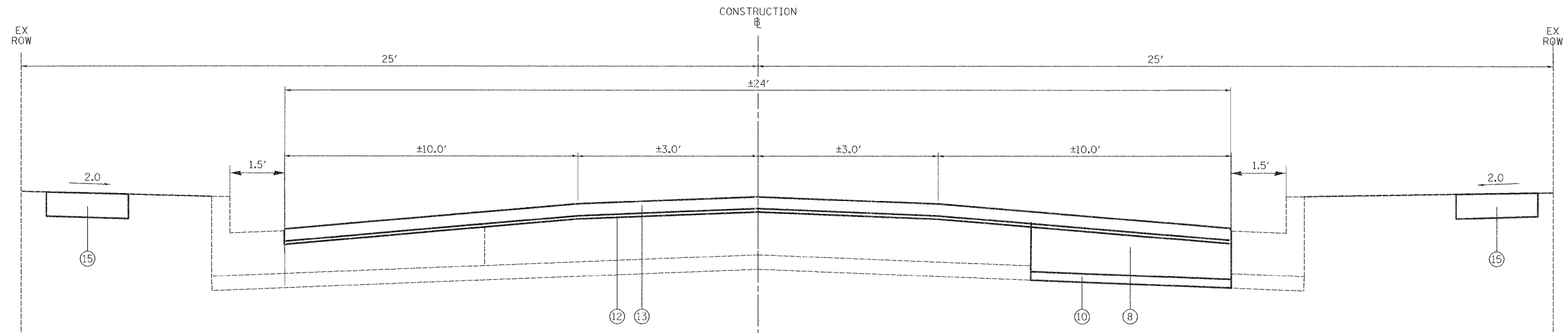
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		AIR VOIDS
MIXTURE TYPE		
PAVEMENT OVERLAY		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50		4% @ 50 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50		3.5% @ 50 GYR.
COMMERCIAL DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50		4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE, 8" (HMA BINDER IL-19mm) (IN 3 LIFTS)		4% @ 50 GYR.

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

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




LAKE STREET - EXISTING TYPICAL SECTION  
STA. 400+66 TO STA. 413+06



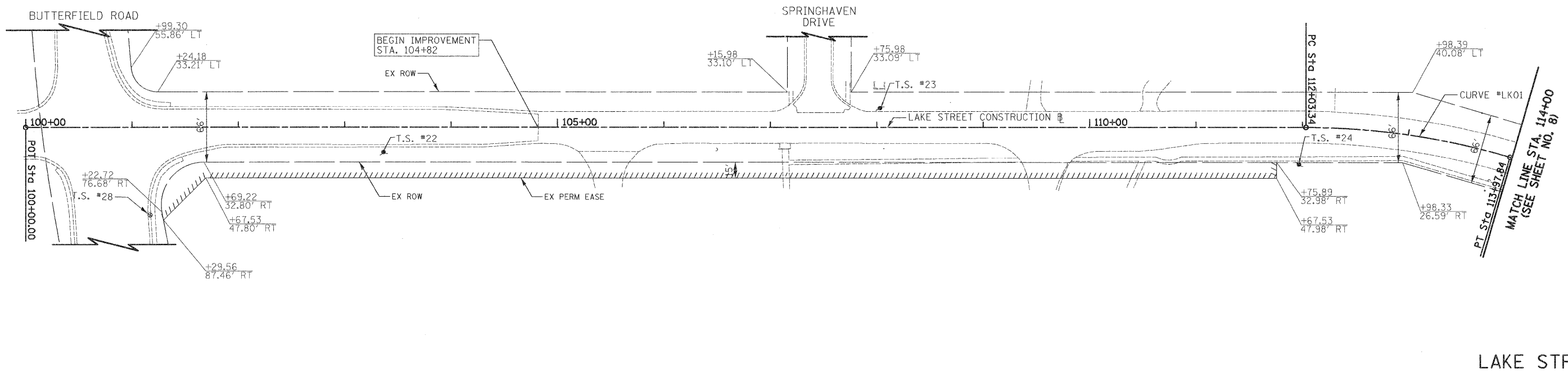
LAKE STREET - PROPOSED TYPICAL SECTION  
STA. 400+66 TO STA. 413+06

LEGEND

- |   |   |
|---|---|
| ① EXISTING P.C.C. PAVEMENT, 7"  | ⑨ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (20201200)  |
| ② EXISTING GRANULAR SUB-BASE  | ⑩ POROUS GRANULAR EMBANKMENT, SUBGRADE (Z0042002)   |
| ③ EXISTING MONOLITHIC 6" BARRIER CURB   | ⑪ #6 EPOXY COATED TIE BARS, 24" LONG @ 24" C-C, DRILLED & GROUTED IN PLACE INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (60604400) |
| ④ PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH) (X4400100)  | ⑫ 1" POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (40600827)  |
| ⑤ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2" (44000159)  | ⑬ 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (40603335)  |
| ⑥ COMBINATION CURB AND GUTTER REMOVAL (44000500)<br>COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (60604400)<br>(AT LOCATIONS SHOWN ON PLANS AND AS DIRECTED BY THE ENGINEER) | ⑭ EXISTING SIDEWALK, 4"   |
| ⑦ SAW CUTS (44213200) (2 1/4" AT PCC SURFACE REMOVAL)   | ⑮ PORTLAND CEMENT CONCRETE SIDEWALK, 4"   |
| ⑧ CLASS C PATCH, TYPE 1, 7 INCH (44201313)<br>OR CLASS D PATCH, 9 INCH (44201749, 44201753, 44201757, 44201759)<br>(SEE PLAN SHEETS FOR LOCATION AND TYPES)                       |  REMOVAL   |

NOTES:

LOCATIONS AND DEPTH OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL WILL BE DETERMINED BY THE ENGINEER AS FIELD CONDITIONS REQUIRE.  
CONTRACTOR SHALL MILL HMA SURFACE BEFORE PATCHING.

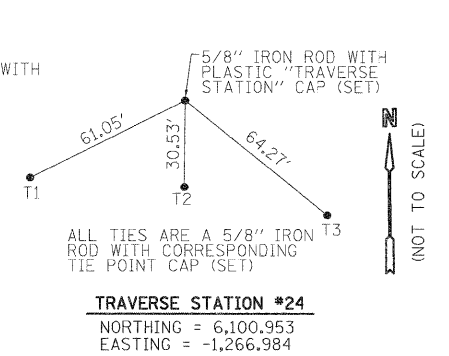
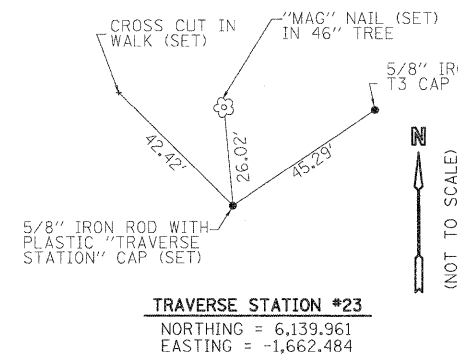
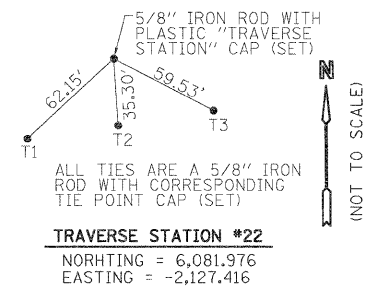
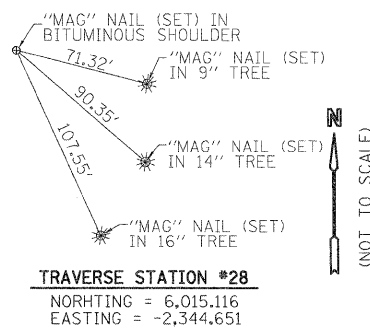


LAKE STREET

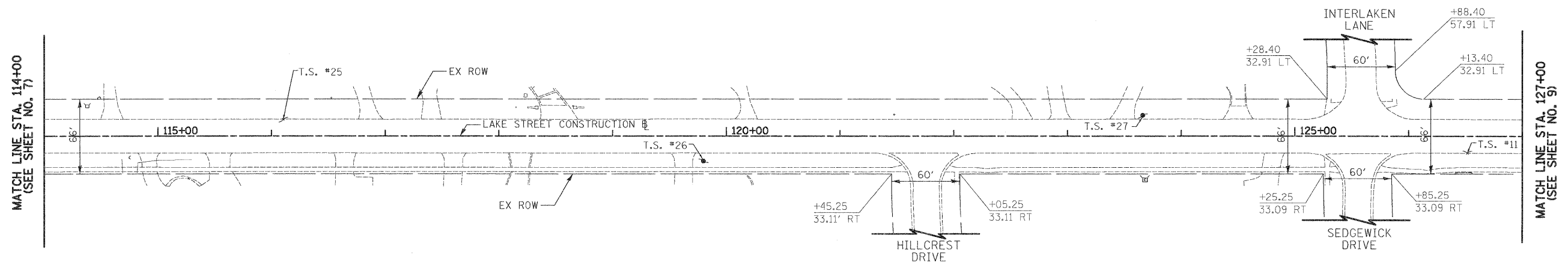
EXISTING LAKE STREET (WEST) CONSTRUCTION BASELINE

DESCRIPTION	STATION	NORTHING	EASTING
B.O.A.	100+00.00	6093.57	-2464.41
P.C.	112+03.34	6135.99	-1261.82
P.I.	113+01.27	6139.44	-1163.95
P.T.	113+97.84	6114.94	-1069.13
P.C.	133+99.44	5623.79	871.27
P.I.	134+50.94	5611.15	921.19
P.T.	135+02.41	5595.96	970.39
P.C.	136+71.31	5546.15	1131.79
P.I.	138+02.29	5507.52	1256.94
P.T.	139+24.47	5550.39	1380.70
P.C.	141+90.75	5637.56	1632.32
P.I.	142+48.16	5656.35	1686.56
P.T.	143+05.21	5664.51	1743.37
E.O.A.	146+66.28	5715.87	2100.77

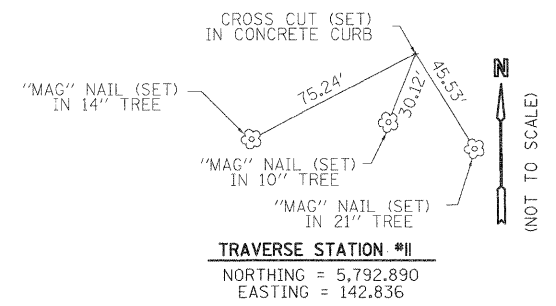
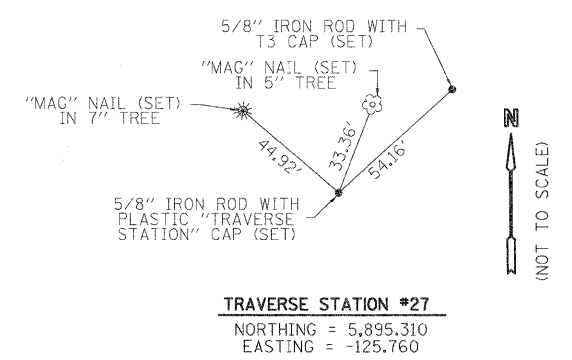
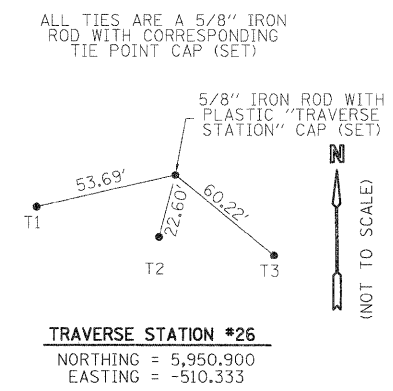
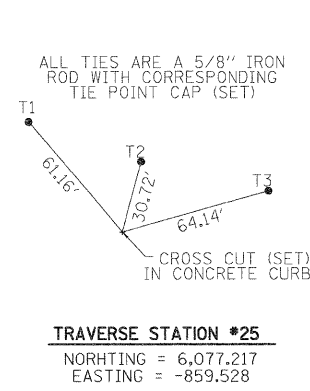
PROP. CURVE LK01  
 PI STA. = 113+01.27  
 $\Delta = 16^\circ 30' 35''$  (RT)  
 $D = 8^\circ 29' 18''$   
 $R = 675.00'$   
 $T = 97.93'$   
 $L = 194.50'$   
 $e = 7.07'$   
 $e = N/A$   
 P.C. STA. = 112+03.34  
 P.T. STA. = 113+97.84



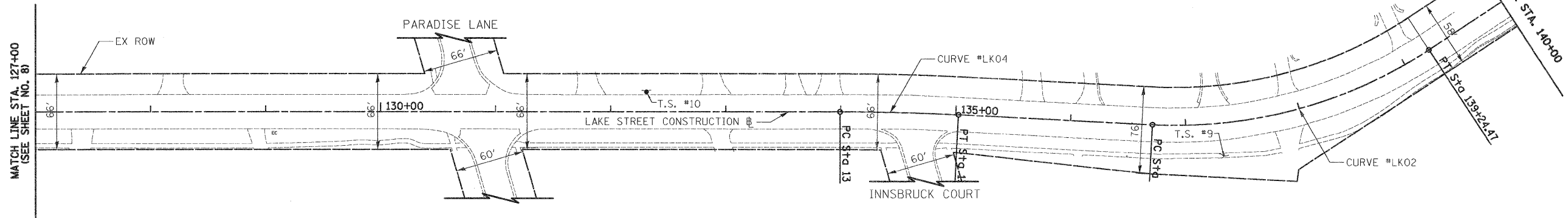




LAKE STREET

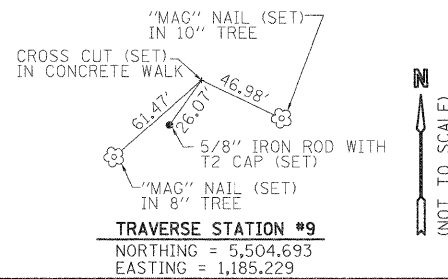
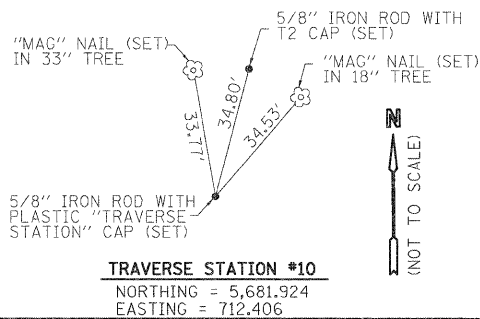


FILE NAME =	USER NAME = eds	DESIGNED - EDS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT, TIES, BENCHMARKS AND ROW</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
... \Cad\sheet\2253_sht.dgn		DRAWN - EDS	REVISED -			1236	08-00100-00-PV	LAKE	35	9	
	PLOT SCALE = 50.0000' / 1" =	CHECKED - DNM	REVISED -			CONTRACT NO. 63697					
	PLOT DATE = 2/2/2012	DATE - 02/06/12	REVISED -			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

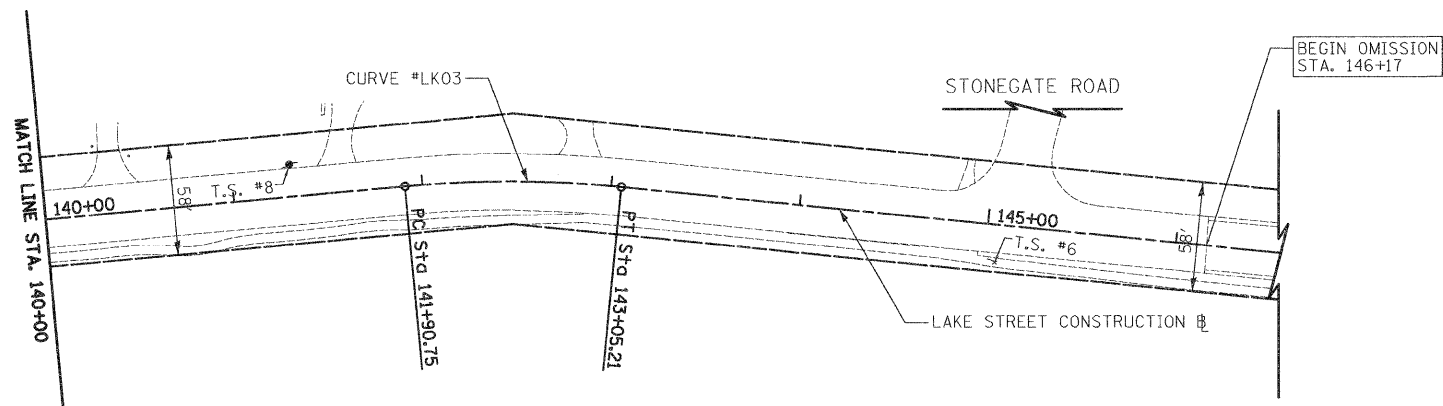


PROP. CURVE LK04  
 PI STA. = 134+50.94  
 $\Delta = 2^\circ 56' 59''$  (RT)  
 $D = 2^\circ 51' 53''$   
 $R = 2,000.00'$   
 $T = 51.50'$   
 $L = 102.96'$   
 $E = 0.66'$   
 $e = N/A$   
 P.C. STA. = 133+99.44  
 P.T. STA. = 135+02.41

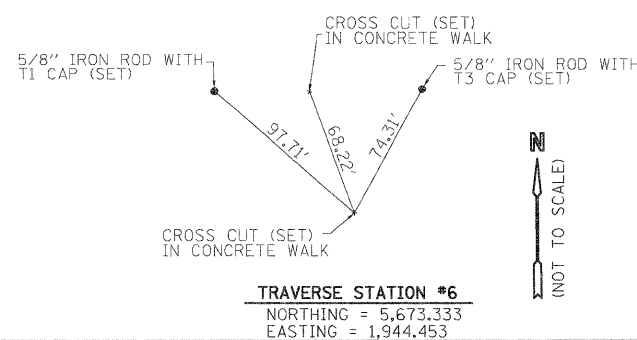
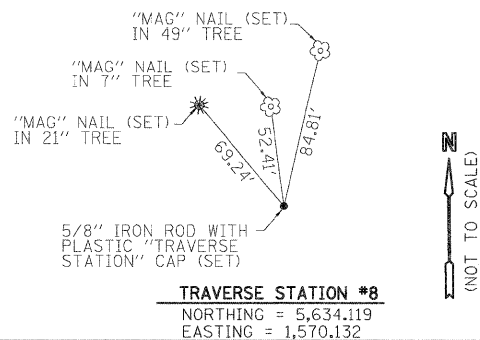
PROP. CURVE LK02  
 PI STA. = 138+02.29  
 $\Delta = 36^\circ 15' 42''$  (LT)  
 $D = 14^\circ 19' 26''$   
 $R = 400.00'$   
 $T = 130.98'$   
 $L = 253.16'$   
 $E = 20.90'$   
 $e = N/A$   
 P.C. STA. = 136+71.31  
 P.T. STA. = 139+24.47



LAKE STREET

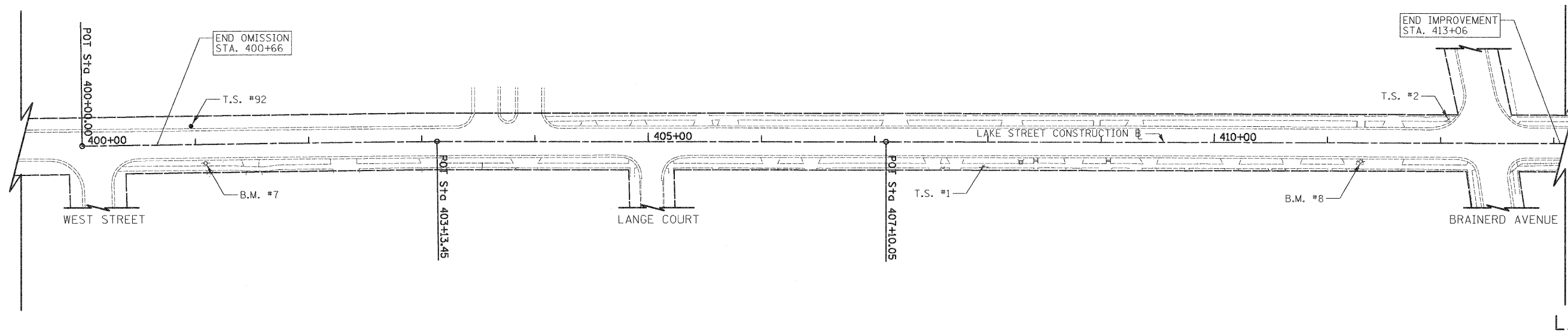


PROP. CURVE LK03  
 PI STA. = 142+48.16  
 $\Delta = 10^\circ 55' 47''$  (RT)  
 $D = 9^\circ 32' 57''$   
 $R = 600.00'$   
 $T = 57.40'$   
 $L = 114.45'$   
 $E = 2.74'$   
 $e = N/A$   
 P.C. STA. = 141+90.75  
 P.T. STA. = 143+05.21



LAKE STREET

FILE NAME =	USER NAME = eds	DESIGNED - EDS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT, TIES, BENCHMARKS AND ROW</b>			F.A.U. RTE. 1236	SECTION 08-00100-00-PV	COUNTY LAKE	TOTAL SHEETS 35	SHEET NO. 10			
... \Cad\sheet\2253.sht	PLOT SCALE = 50.0000' / in.	DRAWN - EDS	REVISED -					CONTRACT NO. 63697							
CIVILTECH	PLOT DATE = 2/2/2012	CHECKED - DNM	REVISED -					SCALE: 1" = 50' SHEET NO. 3 OF 4 SHEETS STA. 127+00 TO STA. 146+66.28							
		DATE - 02/06/12	REVISED -					FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT							

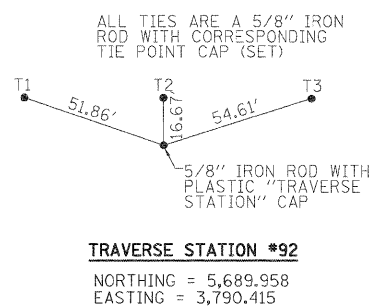


LAKE STREET

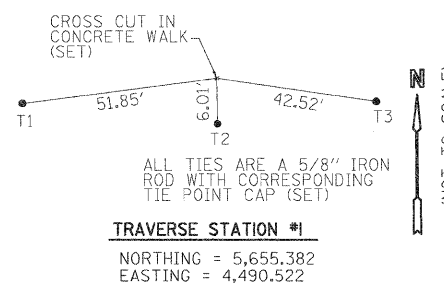
EXISTING LAKE STREET (EAST) CONSTRUCTION BASELINE

DESCRIPTION	STATION	NORTHING	EASTING
B.O.A.	400+00.00	5672.31	3694.33
P.O.T.	403+13.45	5676.53	4007.75
P.O.T.	407+10.05	5676.74	4404.35
E.O.A.	413+27.96	5675.81	5022.25

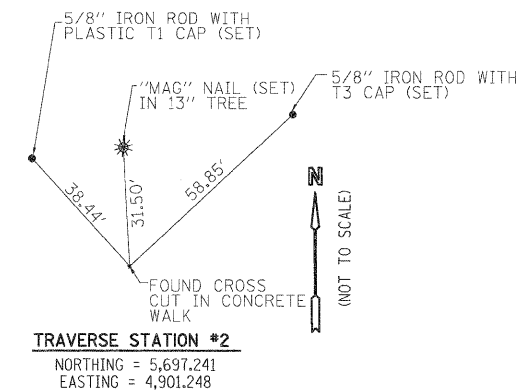
NUMBER	STA. & OFFSET FROM PR	DESCRIPTION	ELEVATION
B.M. #7	401+08.86 16.55 RT	RAILROAD SPIKE IN FIRST POWER POLE EAST OF WEST STREET ON SOUTH SIDE OF LAKE STREET.	708.40
B.M. #8	411+29.38 16.43 RT	RAILROAD SPIKE SET IN SECOND POWER POLE WEST OF BRAINERD AVENUE ON SOUTH SIDE OF LAKE STREET.	708.92









**TRAVERSE STATION #92**  
 NORTHING = 5,689.958  
 EASTING = 3,790.415



**TRAVERSE STATION #1**  
 NORTHING = 5,655.382  
 EASTING = 4,490.522

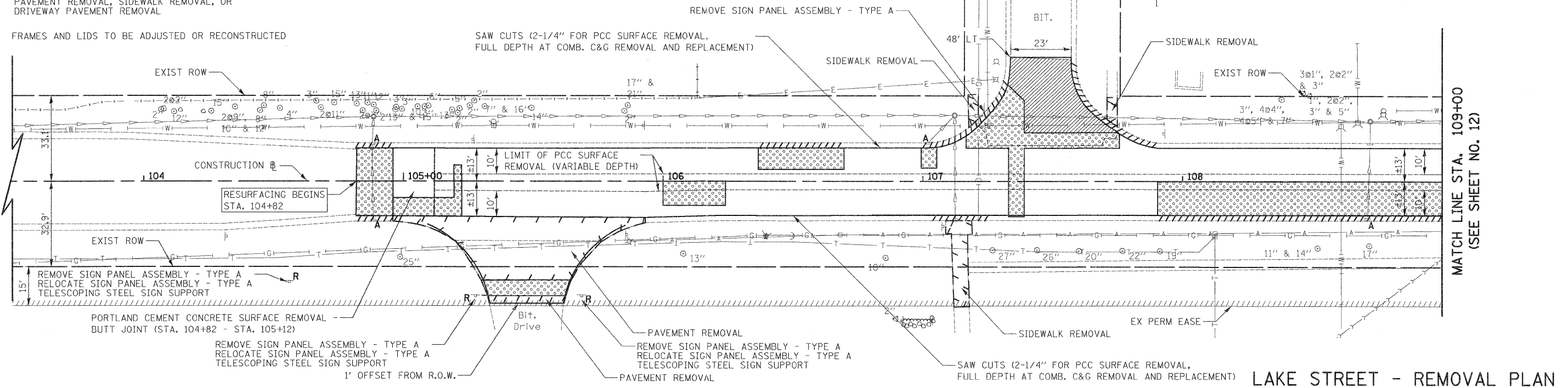


**TRAVERSE STATION #2**  
 NORTHING = 5,697.241  
 EASTING = 4,901.248

-  CLASS C PATCHES, 7"
-  CLASS D PATCHES, 9"  
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (DEPTH PER FIELD ENGINEER)  
POROUS GRANULAR EMBANKMENT
-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  COMBINATION CURB AND GUTTER REMOVAL
-  PAVEMENT REMOVAL, SIDEWALK REMOVAL, OR  
DRIVEWAY PAVEMENT REMOVAL
-  FRAMES AND LIDS TO BE ADJUSTED OR RECONSTRUCTED

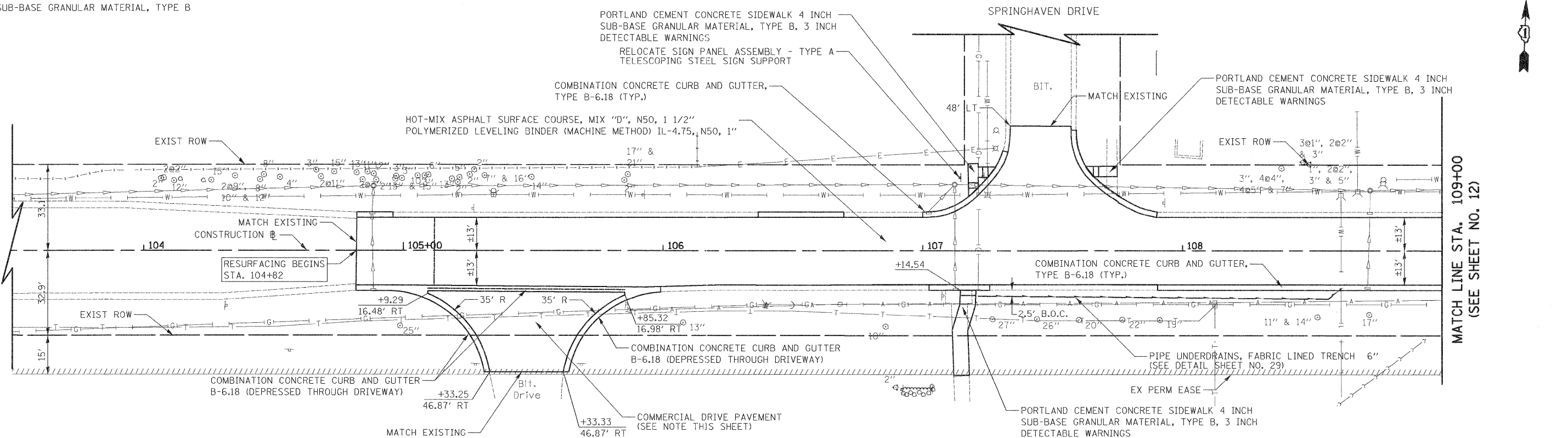
**NOTE**

FULL DEPTH SAW CUTS ALONG C&G REMOVAL, PAVEMENT REMOVAL, CLASS C & D PATCHES, SIDEWALK REMOVAL, AND PCC DRIVEWAY PAVEMENT REMOVAL ARE TO BE INCLUDED IN THE COST OF THE REMOVAL, AND WILL NOT BE PAID FOR SEPERATELY.



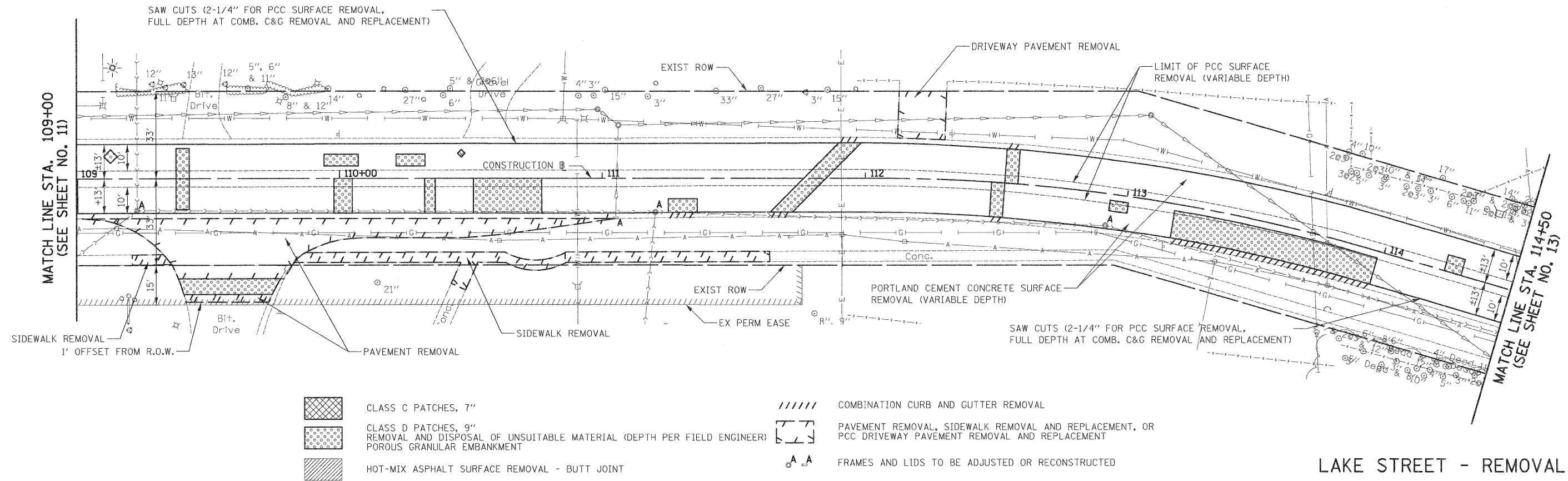
**LAKE STREET - REMOVAL PLAN**

- COMMERCIAL DRIVEWAY PAVEMENT**
- 2" HMA SURFACE COURSE, MIX "D", N50
  - 8" HMA BASE COURSE
  - 6" SUB-BASE GRANULAR MATERIAL, TYPE B

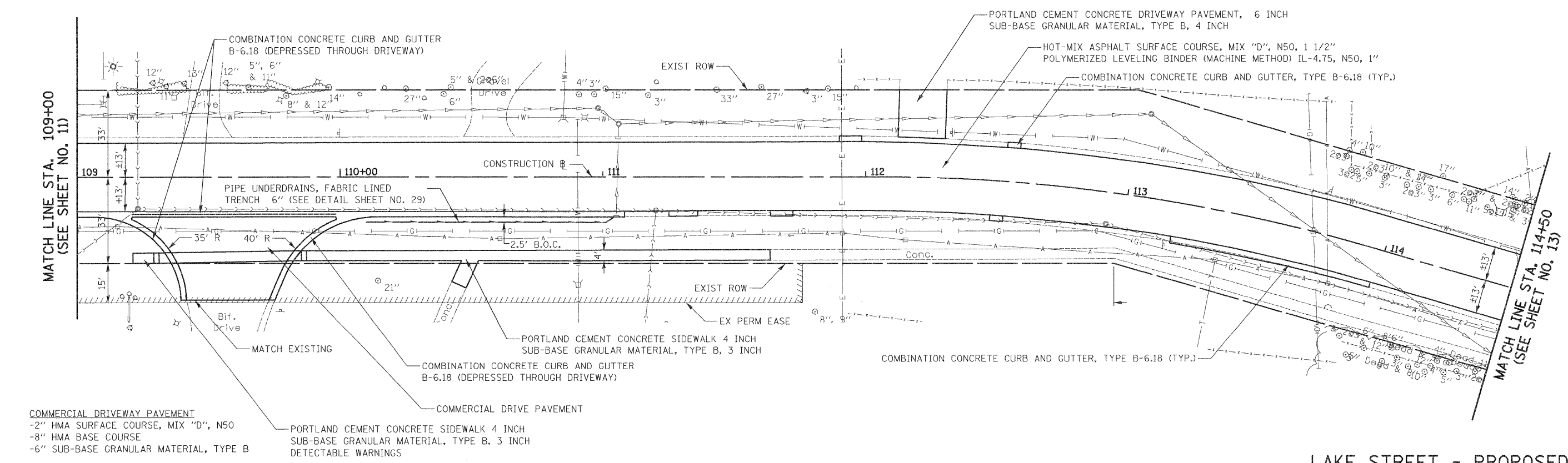


**LAKE STREET - PROPOSED PLAN**

FILE NAME =	USER NAME = ead	DESIGNED - EDS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN - LAKE STREET</b>	F.A.U. RTE. 1236	SECTION 08-00100-00-PV	COUNTY LAKE	TOTAL SHEETS 35	SHEET NO. 12		
...\\Cad\sheet\2253.Plot	PLLOT SCALE = 20,000 Ft / In.	DRAWN - EDS	REVISED -			SCALE: 1" = 20'	SHEET NO. 1 OF 7 SHEETS	STA. 104+82 TO STA. 109+00	CONTRACT NO. 63697			
CIVILTECH	PLLOT DATE = 3/6/2012	CHECKED - DNM	REVISED -			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT						
		DATE - 02/06/12	REVISED -									

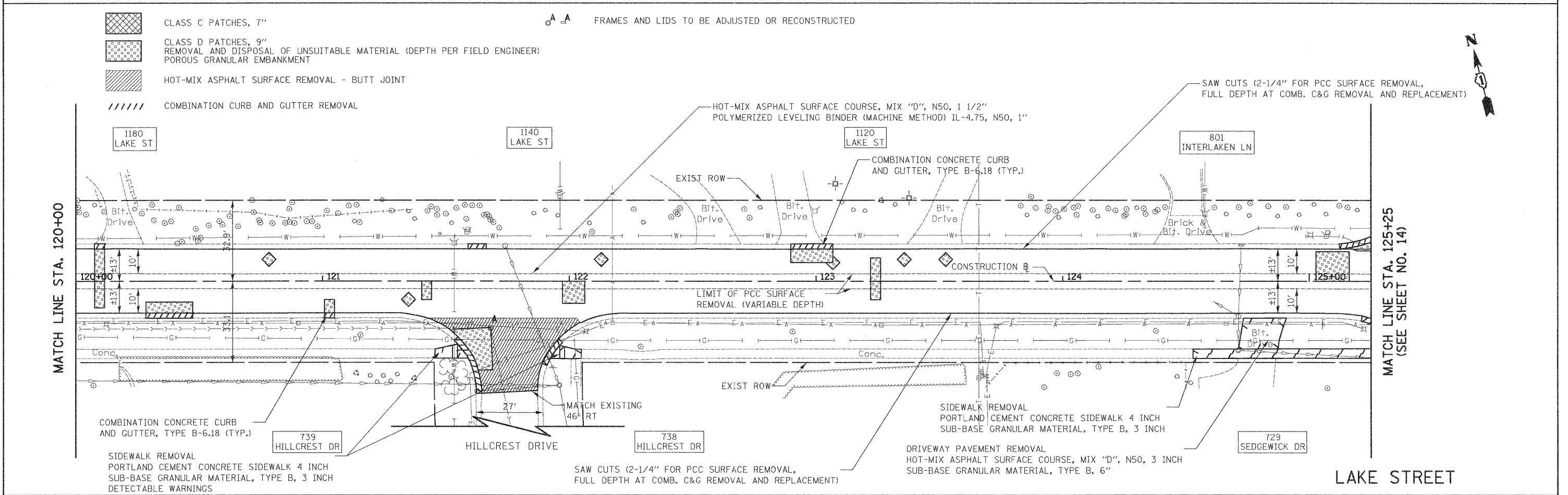
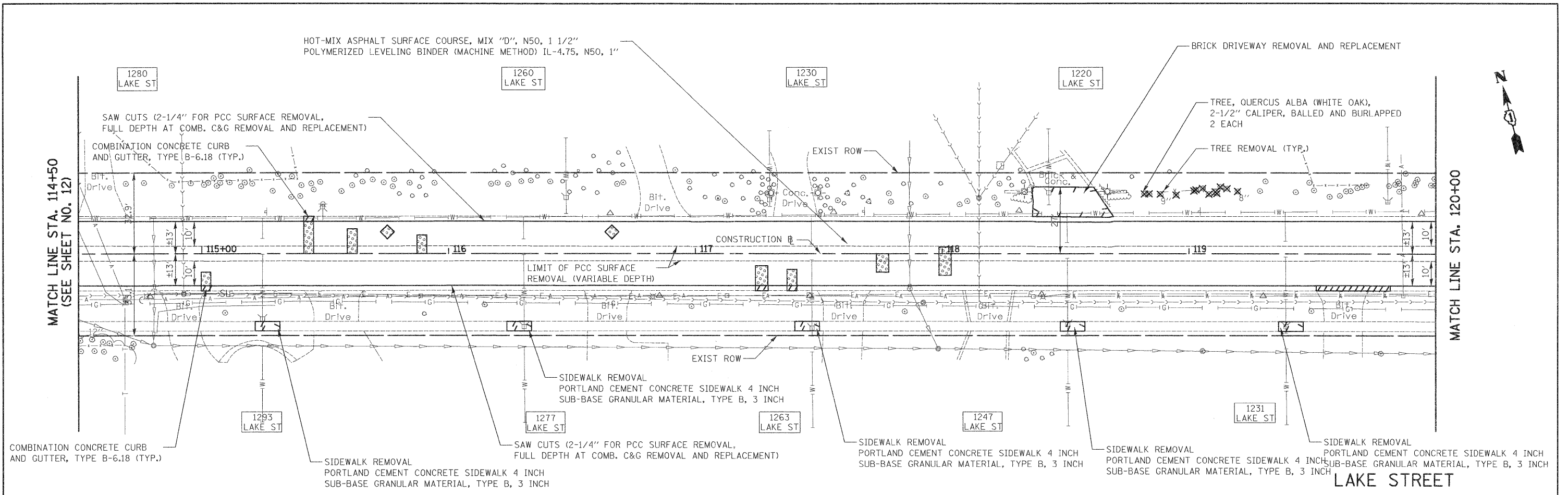


LAKE STREET - REMOVAL PLAN



LAKE STREET - PROPOSED PLAN

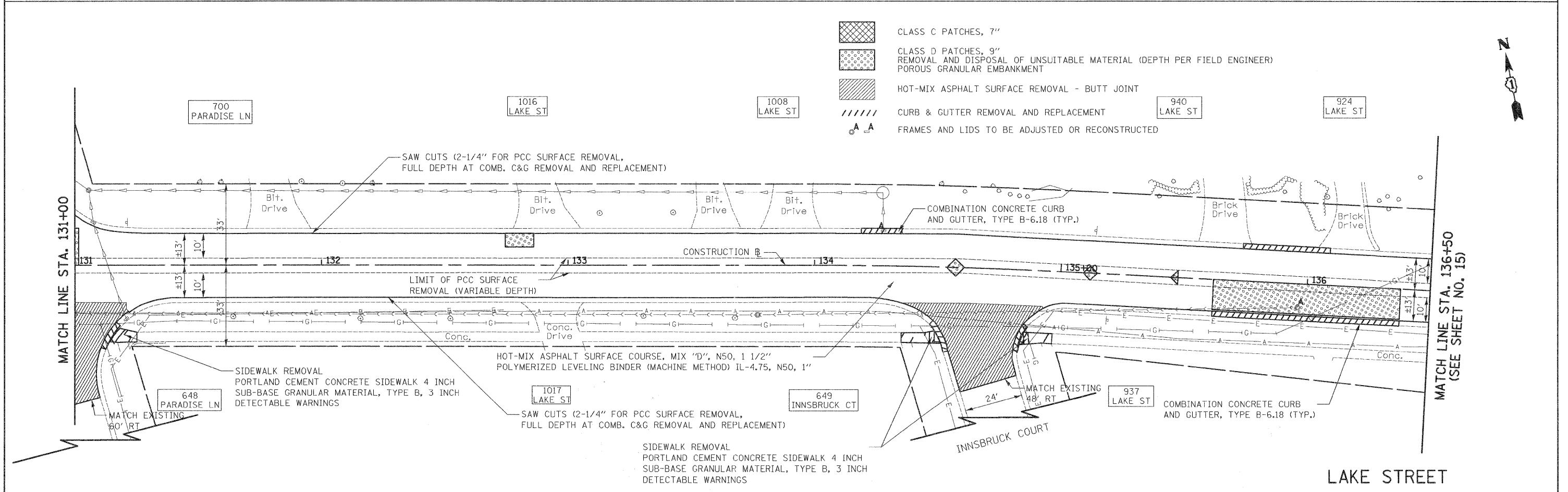
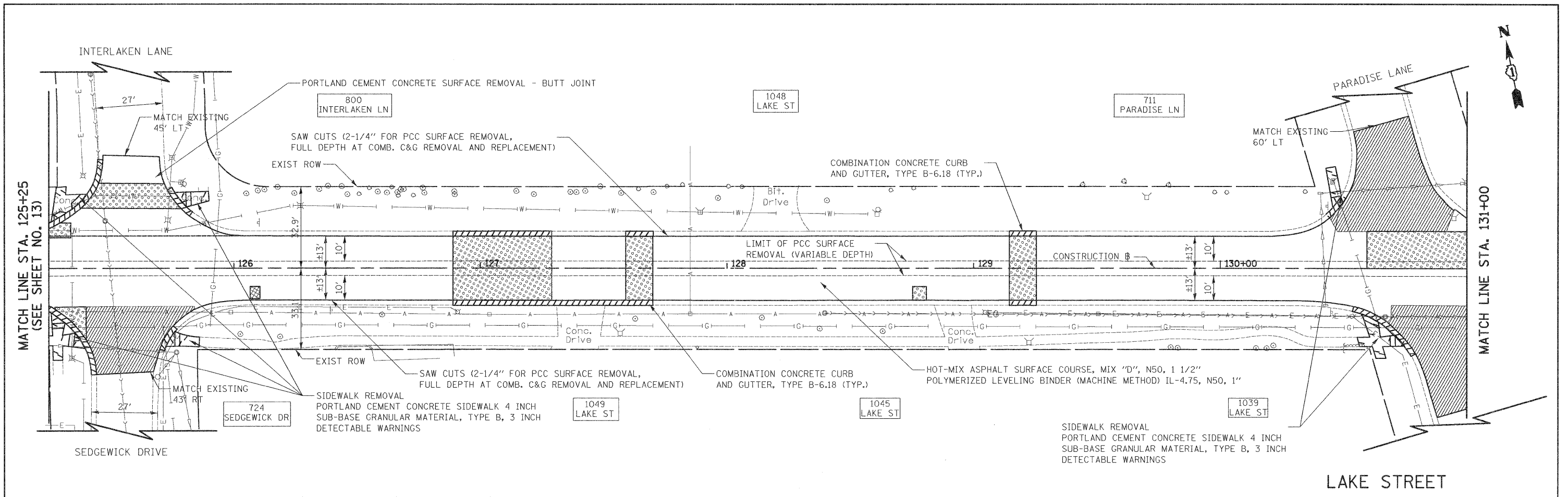
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	PLOT SCALE = 20,000 Ft / in.	CHECKED - DNM	REVISED -			SCALE: 1" = 20'	SHEET NO. 2 OF 7 SHEETS	STA. 109+00 TO STA. 114+50	<b>CONTRACT NO. 63697</b>	
PLOT DATE = 3/6/2012	DATE = 02/06/12	REVISED -	REVISED -							



- CLASS C PATCHES, 7"
- CLASS D PATCHES, 9"  
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (DEPTH PER FIELD ENGINEER)  
POROUS GRANULAR EMBANKMENT
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- COMBINATION CURB AND GUTTER REMOVAL





FRAMES AND LIDS TO BE ADJUSTED OR RECONSTRUCTED

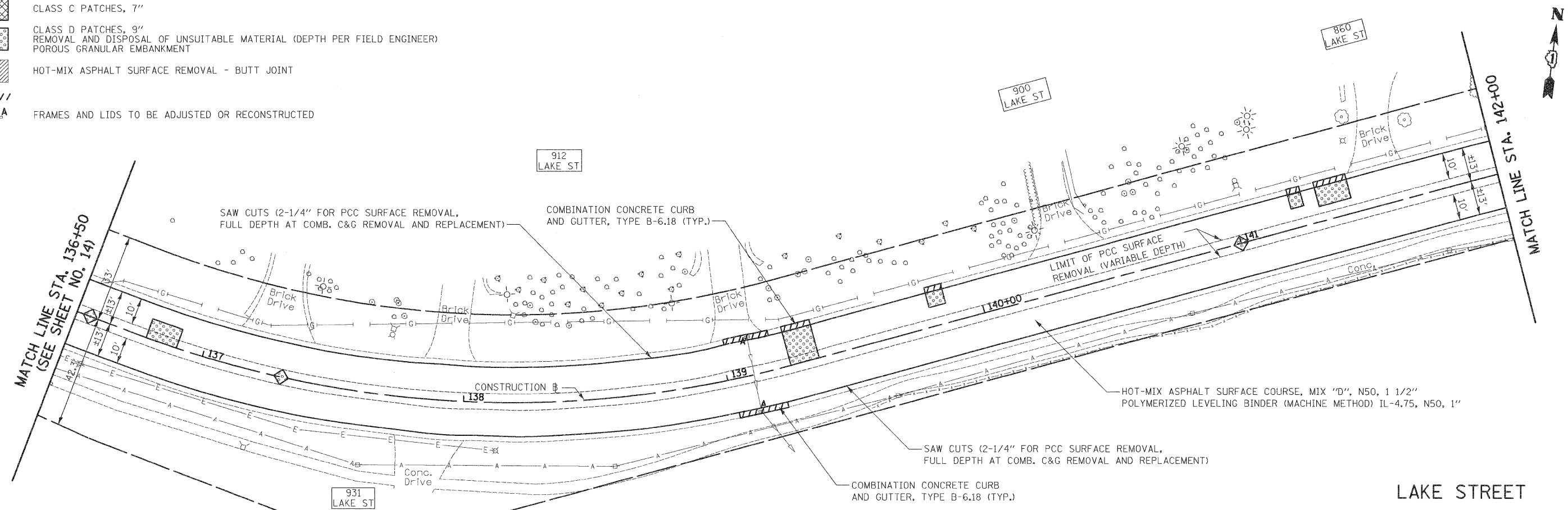
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... \2253\Cad\sheet\2253.dgn		DRAWN - EDS	REVISED -			1236	08-00100-00-PV	LAKE	35	14	
	PLOT SCALE = 20,000 Ft / in.	CHECKED - DNM	REVISED -			CONTRACT NO. 63697					
	PLOT DATE = 3/6/2012	DATE - 02/06/12	REVISED -			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					



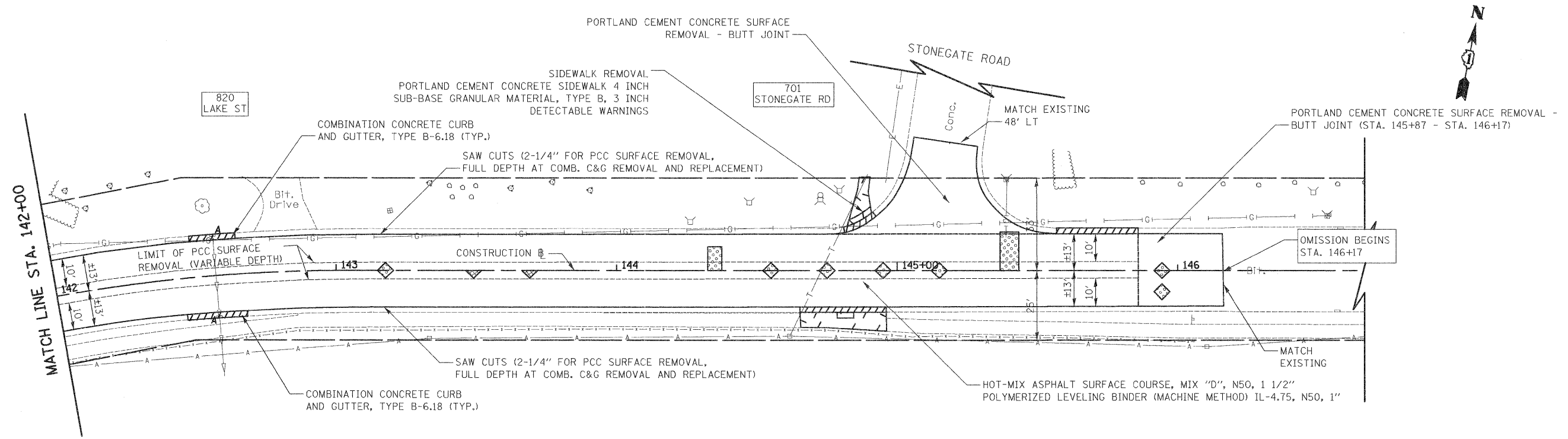
- CLASS C PATCHES, 7"
- CLASS D PATCHES, 9"  
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (DEPTH PER FIELD ENGINEER)  
POROUS GRANULAR EMBANKMENT
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- CURB & GUTTER REMOVAL AND REPLACEMENT
- FRAMES AND LIDS TO BE ADJUSTED OR RECONSTRUCTED

FILE NAME = ...\\2253\Cad\sheet\2252...03.dgn	USER NAME = eds	DESIGNED - EDS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN - LAKE STREET</b>	F.A.U. R.T.E. 1236	SECTION 08-00100-00-PV	COUNTY LAKE	TOTAL SHEETS 35	SHEET NO. 15		
CIVILTECH						SCALE: 1" = 20'		SHEET NO. 4 OF 7 SHEETS		STA. 125+25 TO STA. 136+50		CONTRACT NO. 63697
PLOT SCALE = 20.0000 Ft / in.						DATE = 02/06/12		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
PLOT DATE = 2/2/2012						DRAWN - EDS		CHECKED - DNM		REVISOR -		REVISOR -

-  CLASS C PATCHES, 7"
-  CLASS D PATCHES, 9"  
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (DEPTH PER FIELD ENGINEER)  
POROUS GRANULAR EMBANKMENT
-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  FRAMES AND LIDS TO BE ADJUSTED OR RECONSTRUCTED









LAKE STREET

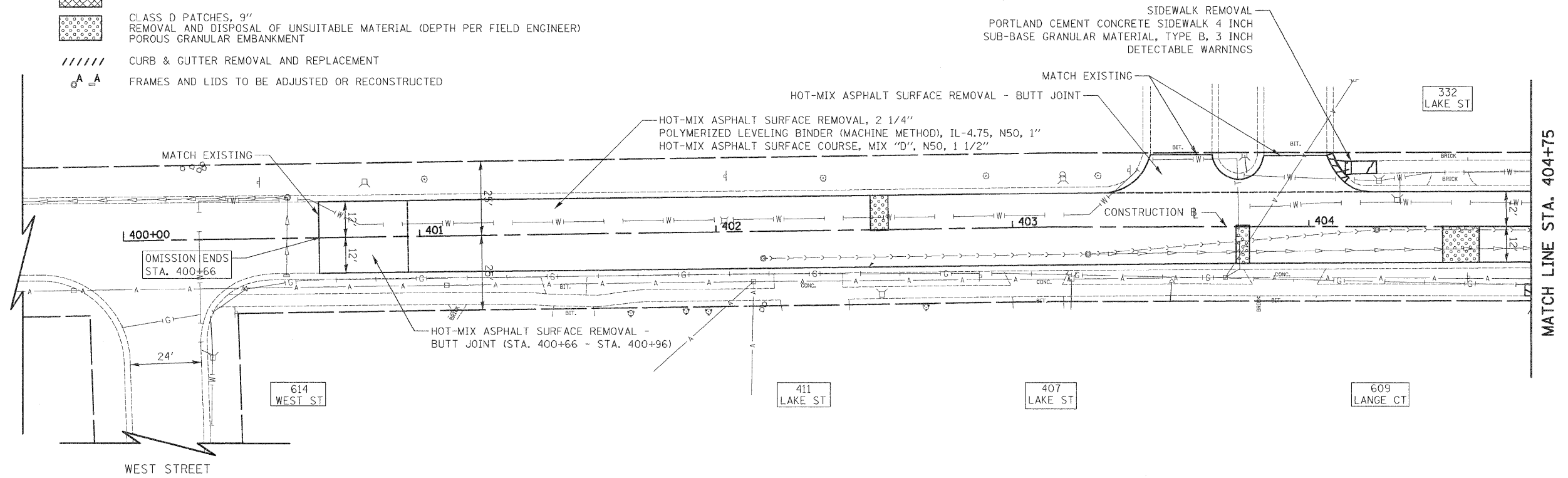


LAKE STREET

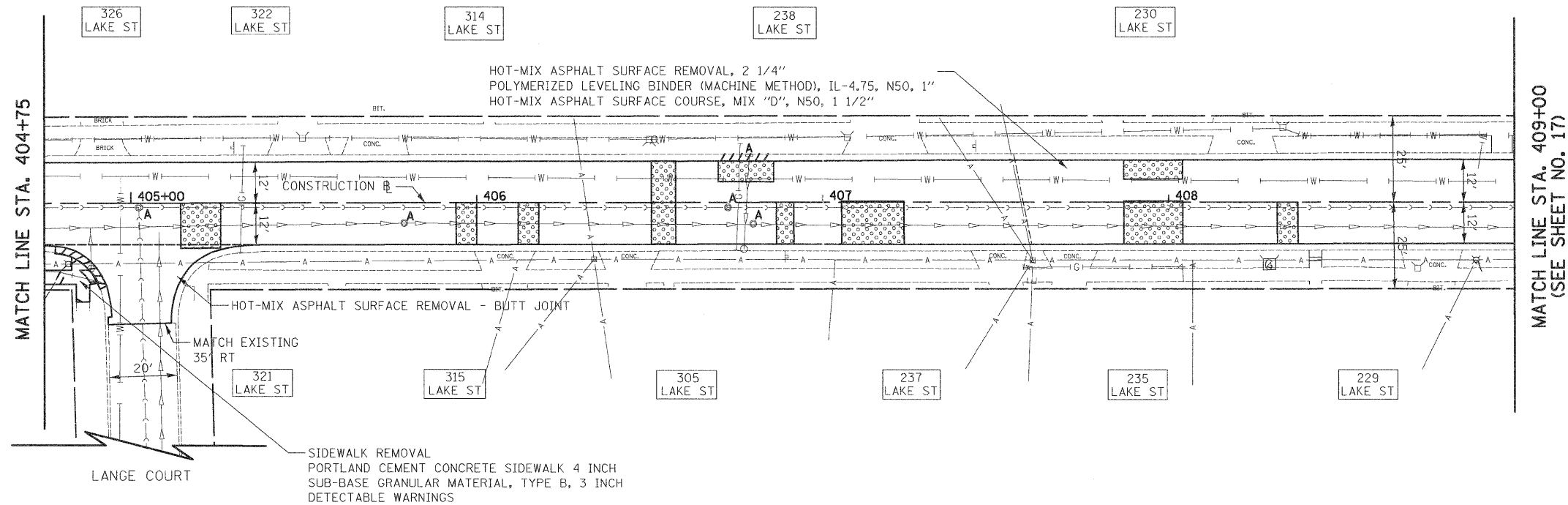
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...	...	DRAWN - EDS	REVISED -			SCALE: 1" = 20'		SHEET NO. 5 OF 7 SHEETS		STA. 136+50 TO STA. 146+17	
		CHECKED - DNM	REVISED -			CONTRACT NO. 63697					
		DATE - 02/06/12	REVISED -			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					




-  CLASS C PATCHES, 7"
-  CLASS D PATCHES, 9"
-  REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (DEPTH PER FIELD ENGINEER)
-  POROUS GRANULAR EMBANKMENT
-  CURB & GUTTER REMOVAL AND REPLACEMENT
-  FRAMES AND LIDS TO BE ADJUSTED OR RECONSTRUCTED



LAKE STREET



LAKE STREET






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	PLOT DATE = 2/2/2012	CHECKED - DNM	REVISED -
		DATE - 02/06/12	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN - LAKE STREET**

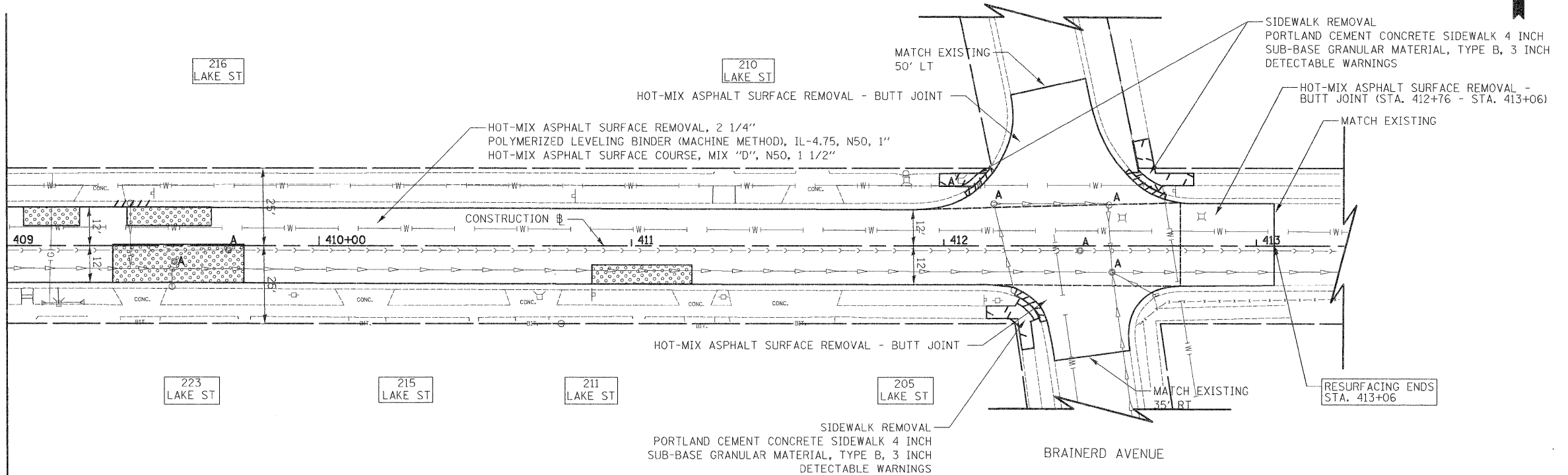
SCALE: 1" = 20'    SHEET NO. 6 OF 7 SHEETS    STA. 400+66 TO STA. 409+00

F.A.U. RTE. 1236	SECTION 08-00100-00-PV	COUNTY LAKE	TOTAL SHEETS 35	SHEET NO. 17
CONTRACT NO. 63697				
FED. ROAD DIST. NO. 7 [ILLINOIS] FED. AID PROJECT				

-  CLASS C PATCHES, 7"
-  CLASS D PATCHES, 9"  
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (DEPTH PER FIELD ENGINEER)  
POROUS GRANULAR EMBANKMENT
-  HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
-  CURB & GUTTER REMOVAL AND REPLACEMENT
-  FRAMES AND LIDS TO BE ADJUSTED OR RECONSTRUCTED





MATCH LINE STA. 409+00  
(SEE SHEET NO. 16)

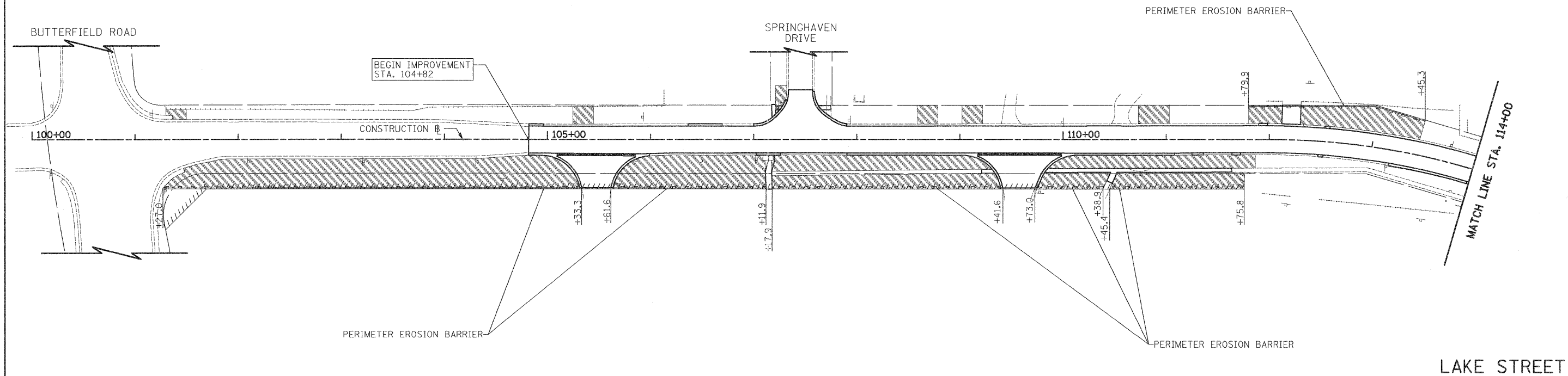


LAKE STREET

FILE NAME = <small>...\\2253\Cad\sheet\2253...05.dgn</small>	USER NAME = eds	DESIGNED - EDS DRAWN - EDS	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN - LAKE STREET</b>	F.A.U. RTE. 1236	SECTION 08-00100-00-PV	COUNTY LAKE	TOTAL SHEETS 35	SHEET NO. 18	
CIVILTECH		PLOT SCALE = 20.0000 Ft / 1in. PLOT DATE = 2/2/2012	CHECKED - DNM DATE - 02/06/12	SCALE: 1" = 20'    SHEET NO. 7 OF 7 SHEETS    STA. 409+00 TO STA. 413+06			CONTRACT NO. 63697 <small>FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT</small>				

LEGEND

-  TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT
-  PERIMETER EROSION BARRIER

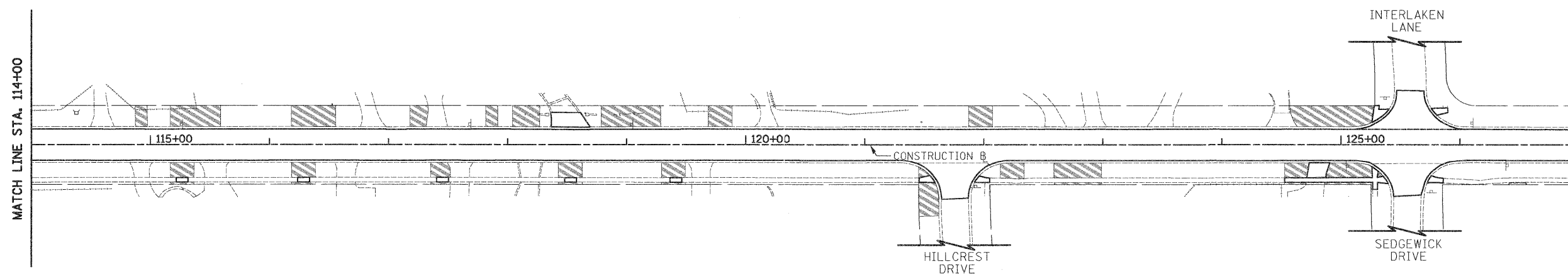


NOTE:


INLET FILTERS SHALL BE INSTALLED ON ANY OPEN LID STRUCTURES IN THE PAVEMENT OR IN THE PARKWAY WHERE WATER MAIN EXCAVATION WILL TAKE PLACE, AS DIRECTED BY AND TO THE SATISFACTION OF THE ENGINEER, BEFORE ANY WORK SHALL BEGIN.

CONTRACTOR SHALL PLACE PERIMETER EROSION BARRIER AS SHOWN ON THE PLAN BELOW OR AS DIRECTED BY THE ENGINEER.

CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE THE AMOUNT OF RESTORATION NEEDED. PARKWAY REPAIRS DETERMINED BY THE ENGINEER TO BE NOT RELATED TO THE INSTALLATION OF THE WATER MAIN WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.



LAKE STREET

FILE NAME =	USER NAME = eds	DESIGNED - JSM	REVISED -
...\\Cad\sheet\2253_sht_		DRAWN - JSM	REVISED -
	PLOT SCALE = 50.0000' / in.	CHECKED - DNM	REVISED -
	PLOT DATE = 2/2/2012	DATE - 02/06/12	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL &  
LANDSCAPING PLAN

SCALE: 1" = 50' SHEET NO. 1 OF 1 SHEETS STA. 100+00 TO STA. 127+00

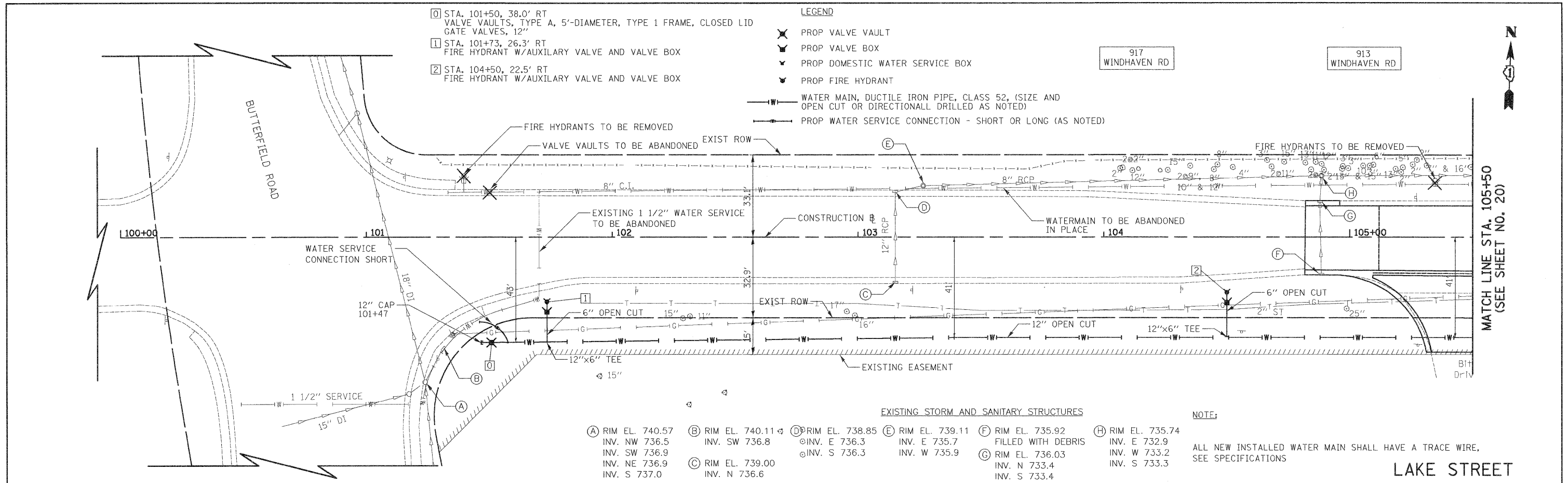
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1236	08-00100-00-PV	LAKE	35	19
CONTRACT NO. 63697				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	

- 0 STA. 101+50, 38.0' RT VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID GATE VALVES, 12"
- 1 STA. 101+73, 26.3' RT FIRE HYDRANT W/AUXILIARY VALVE AND VALVE BOX
- 2 STA. 104+50, 22.5' RT FIRE HYDRANT W/AUXILIARY VALVE AND VALVE BOX

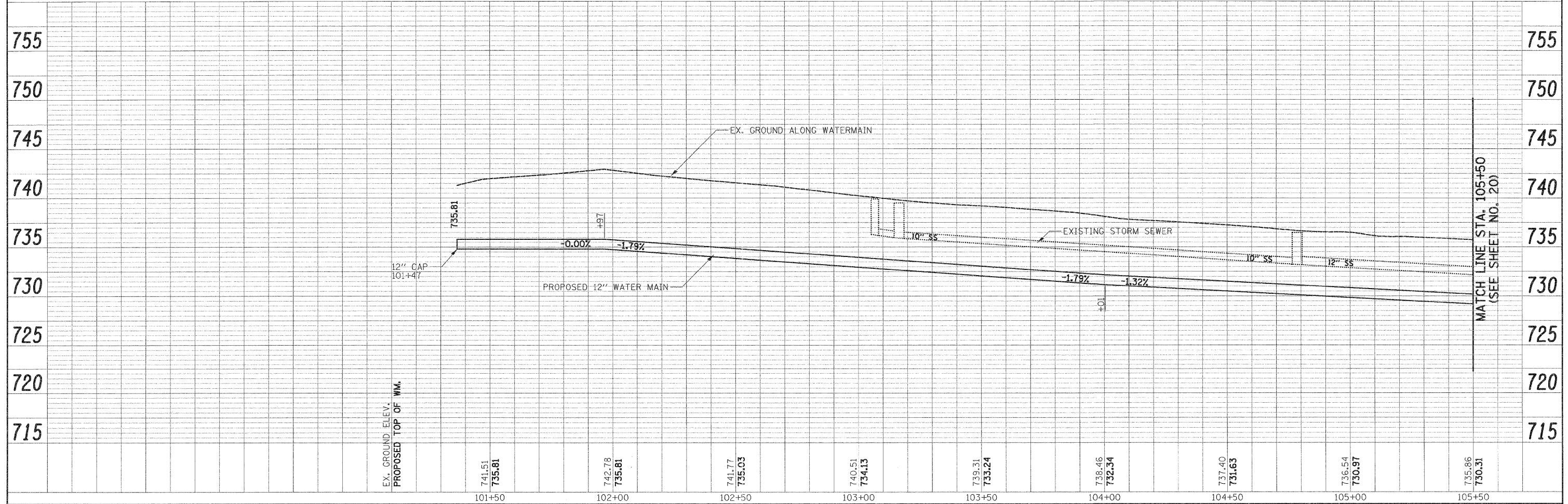
- LEGEND**
- X PROP VALVE VAULT
  - Y PROP VALVE BOX
  - W PROP DOMESTIC WATER SERVICE BOX
  - F PROP FIRE HYDRANT
  - W-W WATER MAIN, DUCTILE IRON PIPE, CLASS 52, (SIZE AND OPEN CUT OR DIRECTIONALL DRILLED AS NOTED)
  - W-W PROP WATER SERVICE CONNECTION - SHORT OR LONG (AS NOTED)



**EXISTING STORM AND SANITARY STRUCTURES**

(A) RIM EL. 740.57 INV. NW 736.5 INV. SW 736.9 INV. NE 736.9 INV. S 737.0	(B) RIM EL. 740.11 INV. SW 736.8	(D) RIM EL. 738.85 INV. E 736.3 INV. S 736.3	(E) RIM EL. 739.11 INV. E 735.7 INV. W 735.9	(F) RIM EL. 735.92 FILLED WITH DEBRIS RIM EL. 736.03 INV. N 733.4 INV. S 733.4	(H) RIM EL. 735.74 INV. E 732.9 INV. W 733.2 INV. S 733.3
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**NOTE:**  
ALL NEW INSTALLED WATER MAIN SHALL HAVE A TRACE WIRE, SEE SPECIFICATIONS



- 3 STA. 107+21, 18.1' RT  
FIRE HYDRANT W/AUXILIARY VALVE AND VALVE BOX
- 4 STA. 107+28, 37.8' LT  
VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID  
GATE VALVES, 8"
- 5 STA. 110+25, 18.1' RT  
FIRE HYDRANT W/AUXILIARY VALVE AND VALVE BOX

**NOTE:**

ALL NEW INSTALLED WATER MAIN SHALL HAVE A TRACE WIRE,  
SEE SPECIFICATIONS

**LEGEND**

- PROV VALVE VAULT
- PROV VALVE BOX
- PROV DOMESTIC WATER SERVICE BOX
- PROV FIRE HYDRANT
- WATER MAIN, DUCTILE IRON PIPE, CLASS 52, (SIZE AND OPEN CUT OR DIRECTIONALL DRILLED AS NOTED)
- PROV WATER SERVICE CONNECTION - SHORT OR LONG (AS NOTED)

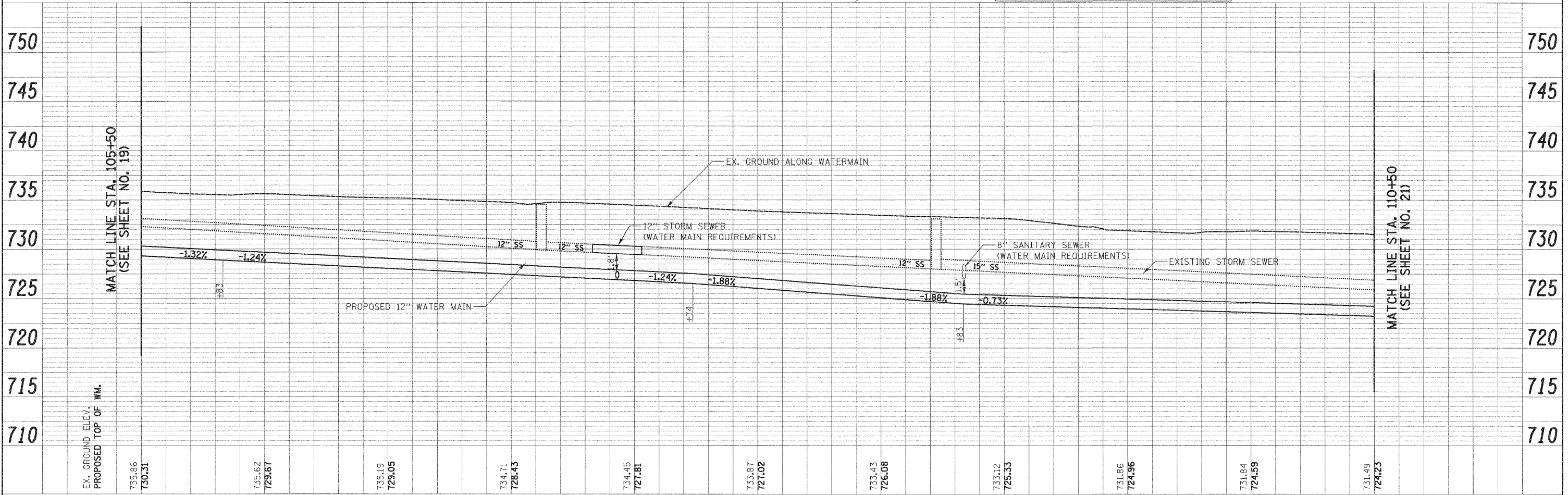
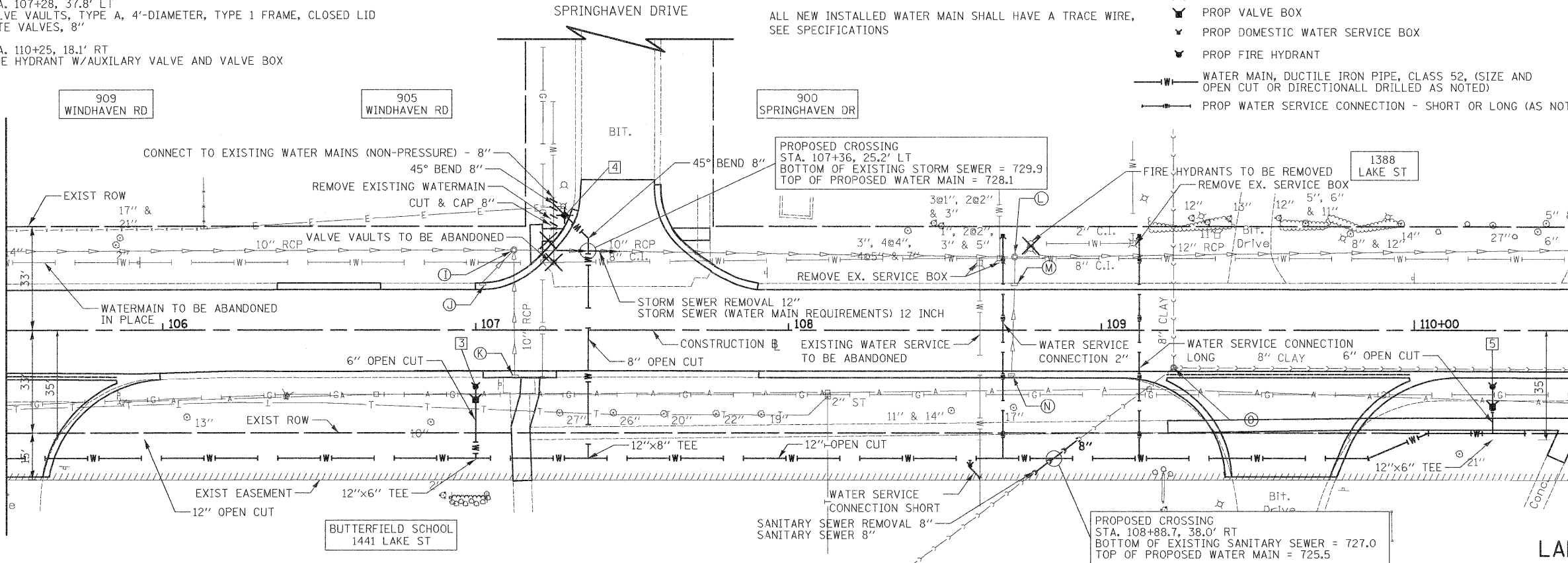


**EXISTING STORM AND SANITARY STRUCTURES**

- (I) RIM EL. 733.92  
INV. E 729.9  
INV. W 730.0  
INV. S 730.1  
INV. SW 730.7
- (J) RIM EL. 733.67  
INV. NE 731.5
- (K) RIM EL. 733.52  
INV. N 730.8
- (L) RIM EL. 731.94  
INV. E 728.0  
INV. W 728.1  
INV. S 728.5
- (M) RIM EL. 731.84  
INV. N 728.5  
INV. S 728.6
- (N) RIM EL. 731.94  
INV. N 729.1
- (O) RIM EL. 731.40  
INV. E 725.6  
INV. N 725.7  
INV. S 725.8

MATCH LINE STA. 105+50  
(SEE SHEET NO. 19)

MATCH LINE STA. 110+50  
(SEE SHEET NO. 21)



FILE NAME = ...sheet12253.sht.WM...dgn	USER NAME = ead	DESIGNED - EDS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WATERMAIN PLAN &amp; PROFILE - LAKE STREET</b>	F.A.U. 1236	SECTION 08-00100-00-PV	COUNTY LAKE	TOTAL SHEETS 35	SHEET NO. 21		
CIVILTECH	PLOT SCALE = 20.0000' / 1in.	CHECKED - DNM	REVISED -			SCALE: 1" = 20'	SHEET NO. 2 OF 5 SHEETS	STA. 105+50 TO STA. 110+50	CONTRACT NO. 63697			
	PLOT DATE = 3/6/2012	DATE - 02/06/12	REVISED -			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT						

**NOTE:**

ALL NEW INSTALLED WATER MAIN SHALL HAVE A TRACE WIRE, 45° BEND 12" SEE SPECIFICATIONS

PROPOSED CROSSING  
STA. 112+66.9, 26.1' LT  
BOTTOM OF EXISTING STORM SEWER = 724.1  
TOP OF PROPOSED WATER MAIN = 722.6

PROPOSED CROSSING  
STA. 113+10.3, 27.9' LT  
BOTTOM OF EXISTING STORM SEWER = 722.9  
TOP OF PROPOSED WATER MAIN = 721.4

PROPOSED CROSSING  
STA. 114+90.4, 30' LT  
TOP OF EXISTING SANITARY SEWER = 720.0  
BOTTOM OF PROPOSED WATER MAIN = 721.0

PROPOSED CROSSING  
STA. 112+02.6, 21.8' LT  
BOTTOM OF EXISTING STORM SEWER = 724.1  
TOP OF PROPOSED WATER MAIN = 722.6

112 CONSTRUCTION B

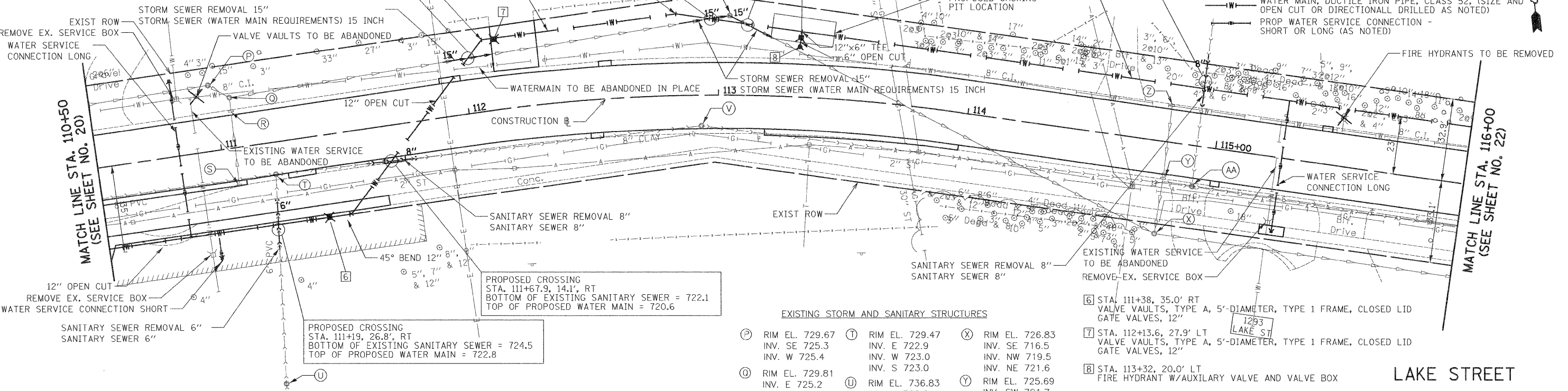
SANITARY SEWER REMOVAL 8"  
SANITARY SEWER 8"

PROPOSED CROSSING  
STA. 111+67.9, 14.1' RT  
BOTTOM OF EXISTING SANITARY SEWER = 722.1  
TOP OF PROPOSED WATER MAIN = 720.6

PROPOSED CROSSING  
STA. 111+19, 26.8' RT  
BOTTOM OF EXISTING SANITARY SEWER = 724.5  
TOP OF PROPOSED WATER MAIN = 722.8

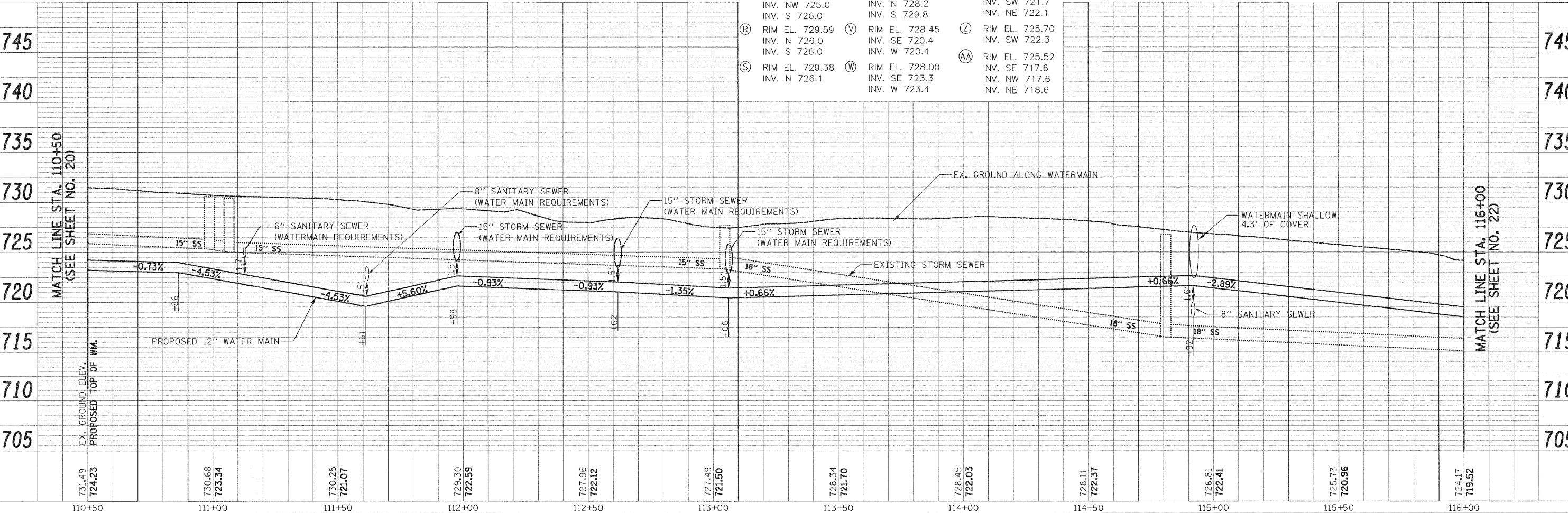
**LEGEND**

- ✕ PROP VALVE VAULT
- ☐ PROP VALVE BOX
- ☐ PROP DOMESTIC WATER SERVICE BOX
- ☐ PROP FIRE HYDRANT
- WATER MAIN, DUCTILE IRON PIPE, CLASS 52, (SIZE AND OPEN CUT OR DIRECTIONALLY DRILLED AS NOTED)
- PROP WATER SERVICE CONNECTION - SHORT OR LONG (AS NOTED)



**EXISTING STORM AND SANITARY STRUCTURES**

(P) RIM EL. 729.67 INV. SE 725.3 INV. W 725.4	(T) RIM EL. 729.47 INV. E 722.9 INV. W 723.0 INV. S 723.0	(X) RIM EL. 726.83 INV. SE 716.5 INV. NW 719.5 INV. NE 721.6
(O) RIM EL. 729.81 INV. E 725.2 INV. NW 725.0 INV. S 726.0	(U) RIM EL. 736.83 INV. N 728.2 INV. S 729.8	(Y) RIM EL. 725.69 INV. SW 721.7 INV. NE 722.1
(R) RIM EL. 729.59 INV. N 726.0 INV. S 726.0	(V) RIM EL. 728.45 INV. SE 720.4 INV. W 720.4	(Z) RIM EL. 725.70 INV. SW 722.3
(S) RIM EL. 729.38 INV. N 726.1	(W) RIM EL. 728.00 INV. SE 723.3 INV. W 723.4	(AA) RIM EL. 725.52 INV. SE 717.6 INV. NW 717.6 INV. NE 718.6



PLAN

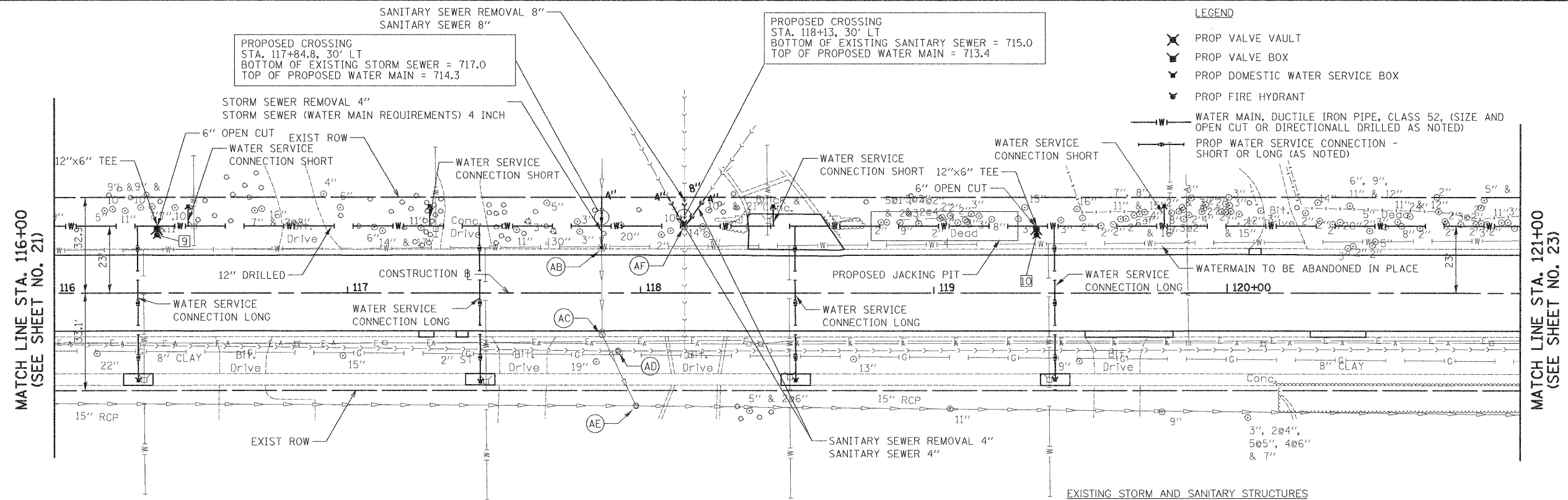
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CADD FILE NAME	

PROFILE

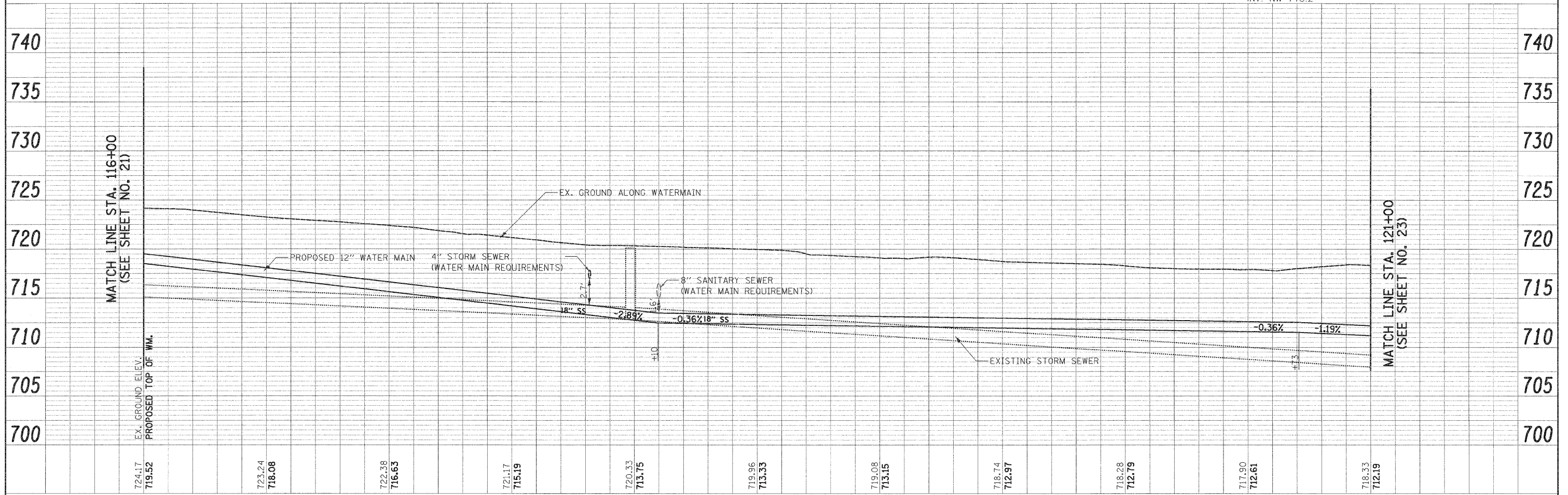
DATE	
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SURVEYED	
PLOTTED	
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IN CHARGE	
NOTE BOOK NO.	
STRUCTURE NOTATIONS CHKD	

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

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



**NOTE:**  
 ALL NEW INSTALLED WATER MAIN SHALL HAVE A TRACE WIRE, SEE SPECIFICATIONS



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	PLOT SCALE = 20.0000' / 1" =	DRAWN - EDS	REVISED -			SCALE: 1" = 20'	SHEET NO. 4 OF 5 SHEETS	STA. 416+00 TO STA. 421+00	CONTRACT NO. 63697			
	PLOT DATE = 2/2/2012	CHECKED - DNM	REVISED -			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT						
		DATE - 02/06/12	REVISED -									

11 STA. 122+24, 18.0' RT  
FIRE HYDRANT W/AUXILIARY VALVE AND VALVE BOX

13 STA. 124+28, 23.0' LT  
FIRE HYDRANT W/AUXILIARY VALVE AND VALVE BOX

(AG) RIM EL. 716.06  
INV. SE 712.7

EXISTING STORM AND SANITARY STRUCTURES

(AI) RIM EL. 716.25  
INV. S 706.4  
INV. W 706.5  
INV. NW 708.6  
INV. NW 711.1

(AK) RIM EL. 713.46  
INV. SW 708.8  
INV. NW 708.8  
INV. NE 710.4

(AM) RIM EL. 714.08  
INV. SW 707.5  
INV. NE 707.5

12 STA. 121+55, 50.0' RT  
VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID  
GATE VALVES, 8"

14 STA. 124+64, 26.0' LT  
VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID  
GATE VALVES, 12"

(AH) RIM EL. 716.15  
INV. S 709.0  
INV. NW 709.7

(AJ) RIM EL. 713.45  
INV. SW 711.4

(AL) RIM EL. 714.55  
INV. SE 708.6  
INV. NE 708.7

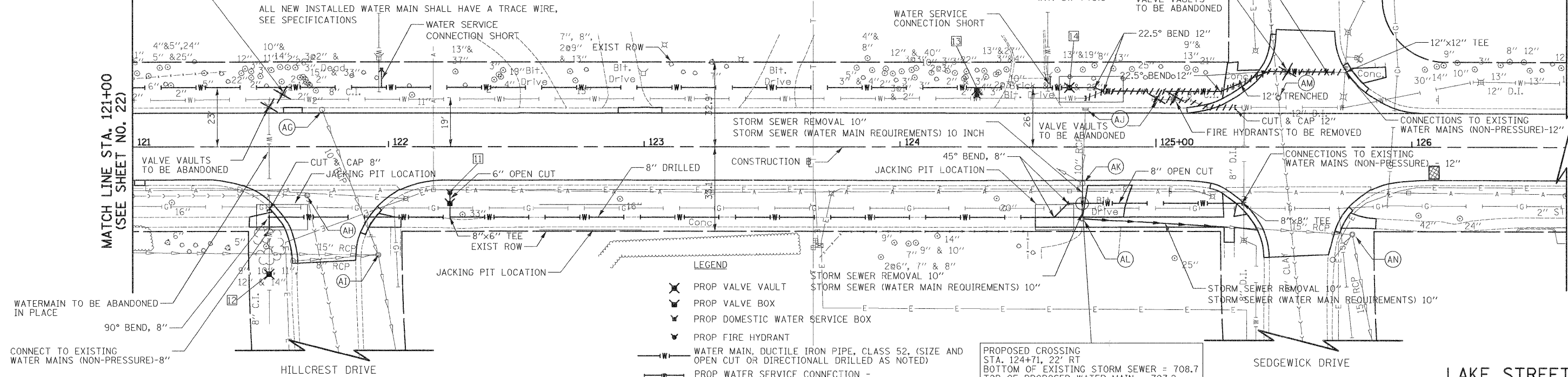
(AN) RIM EL. 714.84  
INV. S 705.2  
INV. NW 707.7  
INV. SW 710.3

FIRE HYDRANTS TO BE REMOVED

NOTE:

ALL NEW INSTALLED WATER MAIN SHALL HAVE A TRACE WIRE,  
SEE SPECIFICATIONS

MATCH LINE STA. 121+00  
(SEE SHEET NO. 22)

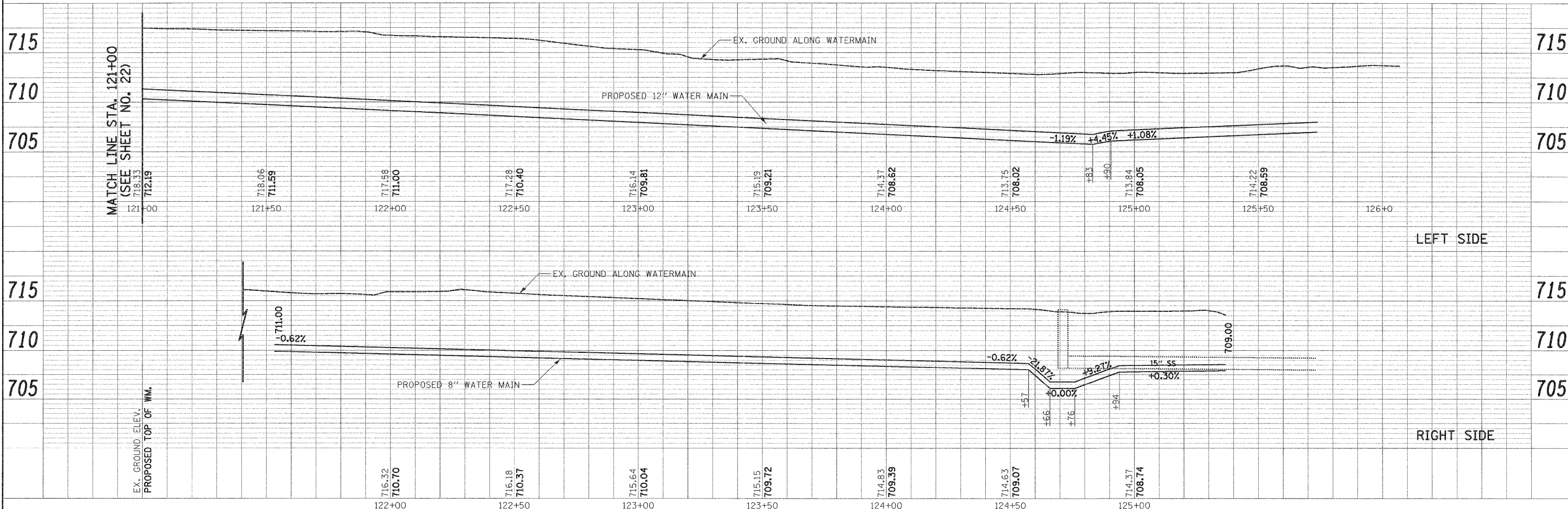


- LEGEND
- PROP VALVE VAULT
  - PROP VALVE BOX
  - PROP DOMESTIC WATER SERVICE BOX
  - PROP FIRE HYDRANT
  - WATER MAIN, DUCTILE IRON PIPE, CLASS 52, (SIZE AND OPEN CUT OR DIRECTIONALLY DRILLED AS NOTED)
  - PROP WATER SERVICE CONNECTION - SHORT OR LONG (AS NOTED)

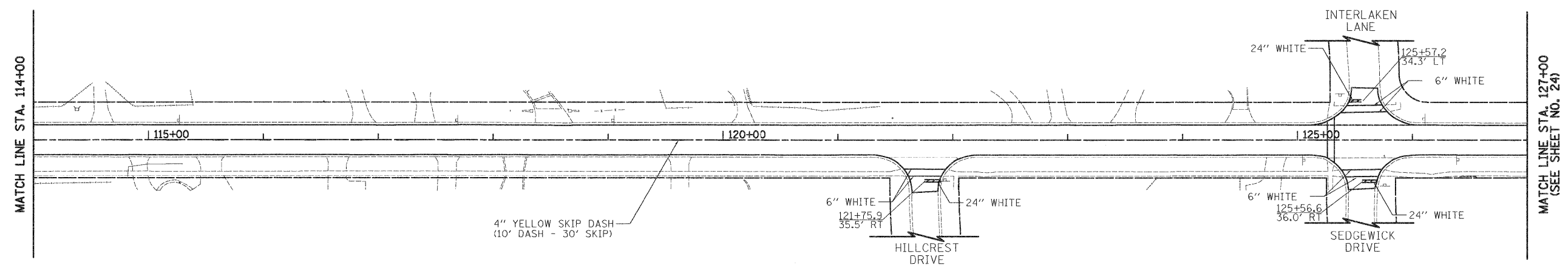
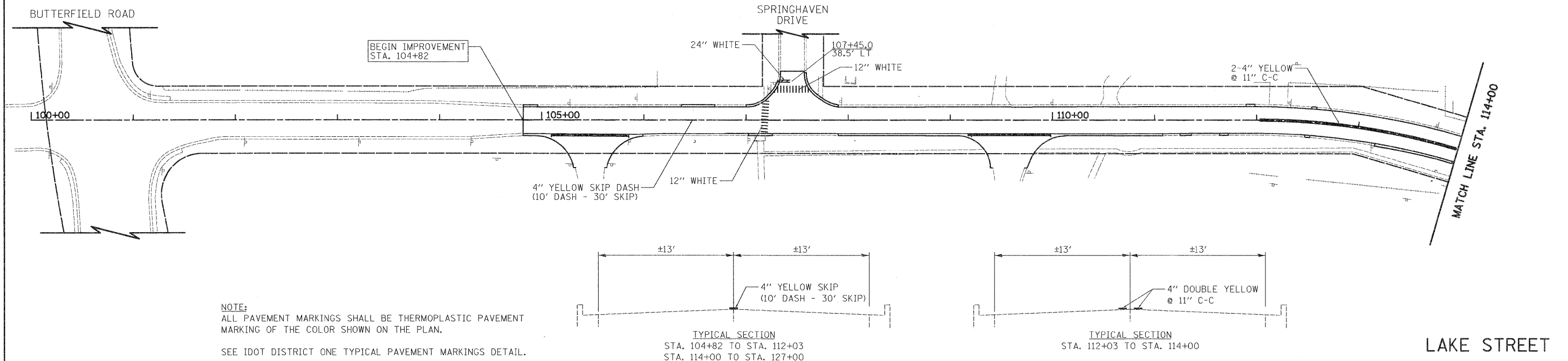
PROPOSED CROSSING  
STA. 124+71, 22' RT  
BOTTOM OF EXISTING STORM SEWER = 708.7  
TOP OF PROPOSED WATER MAIN = 707.2


DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
	NOTE BOOK NO.
	CADD FILE NAME

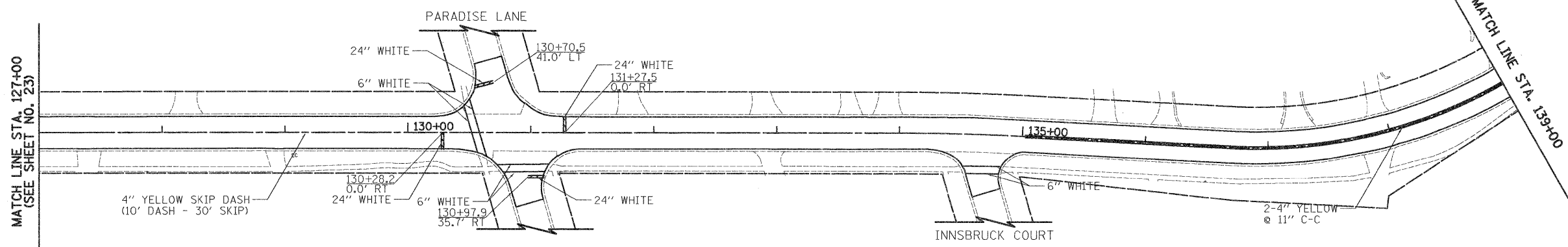
DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS CHECKED
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	CADD FILE NAME







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	SCALE: 1" = 50'    SHEET NO. 1 OF 3 SHEETS    STA. 100+00 TO STA. 127+00				CONTRACT NO. 63697 <small>FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT</small>							

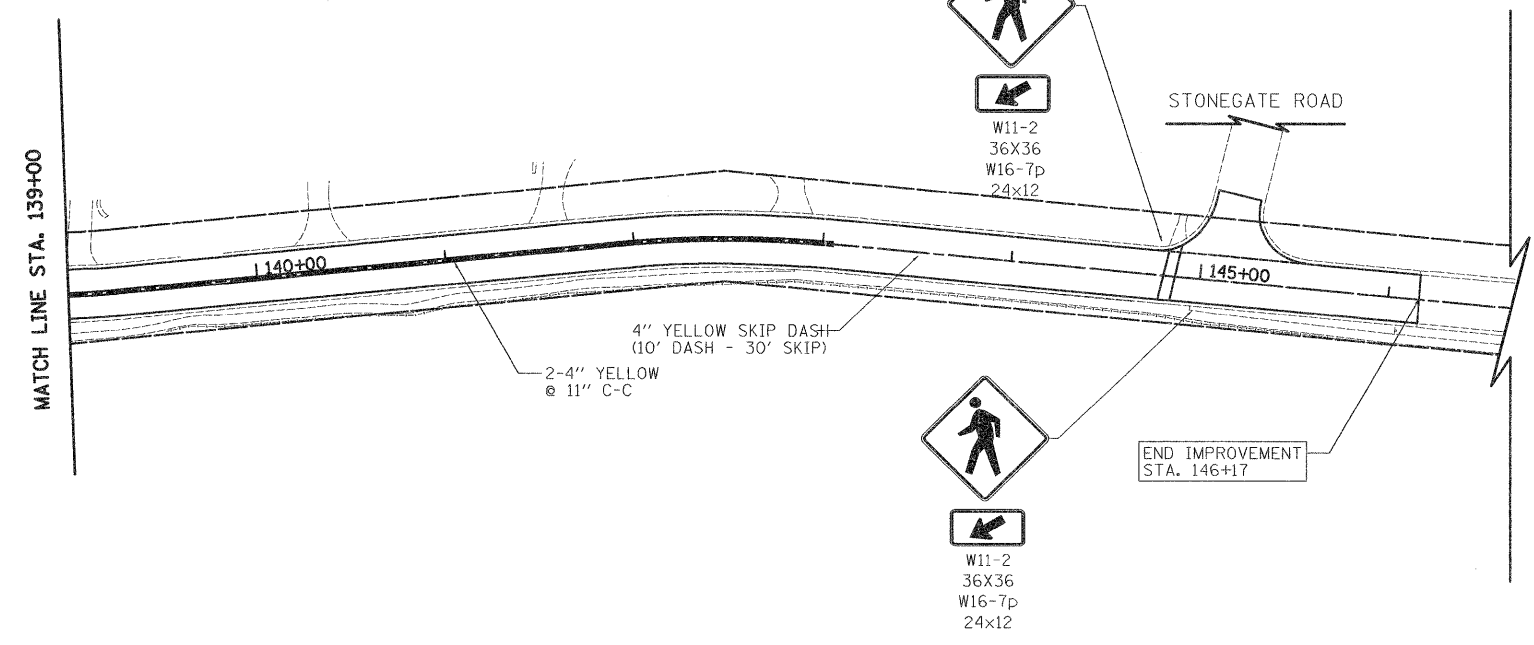
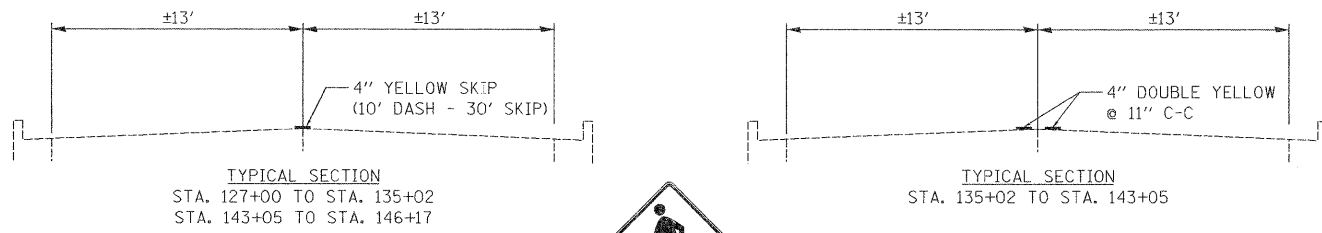


MATCH LINE STA. 127+00  
(SEE SHEET NO. 23)

MATCH LINE STA. 139+00

LAKE STREET

NOTE:  
ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKING OF THE COLOR SHOWN ON THE PLAN.  
SEE IDOT DISTRICT ONE TYPICAL PAVEMENT MARKINGS DETAIL.



MATCH LINE STA. 139+00

END IMPROVEMENT  
STA. 146+17

LAKE STREET

FILE NAME = ... \Cad\sheet\2253.sht  
**CIVILTECH**

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DESIGNED - EDS  
DRAWN - EDS  
CHECKED - DNM  
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PLOT DATE = 2/3/2012  
DATE - 02/06/12

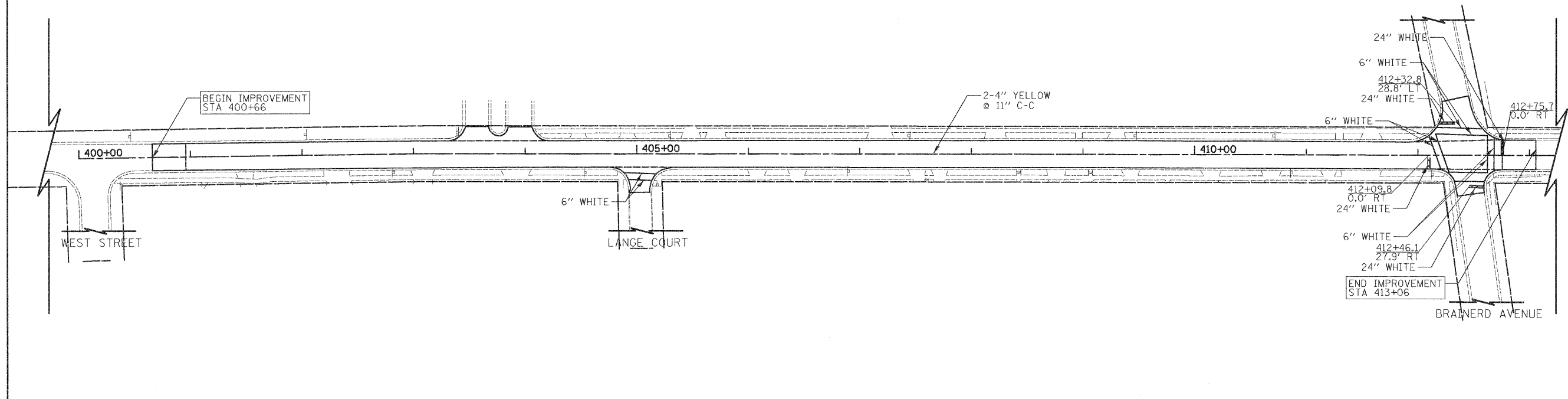
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

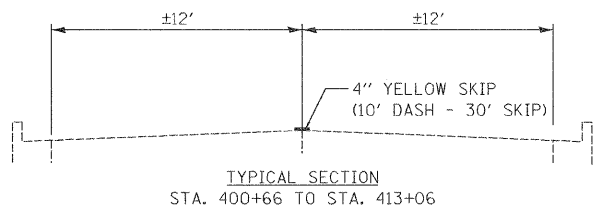
**PAVEMENT MARKING PLAN**

SCALE: 1" = 50' SHEET NO. 2 OF 3 SHEETS STA. 127+00 TO STA. 146+17

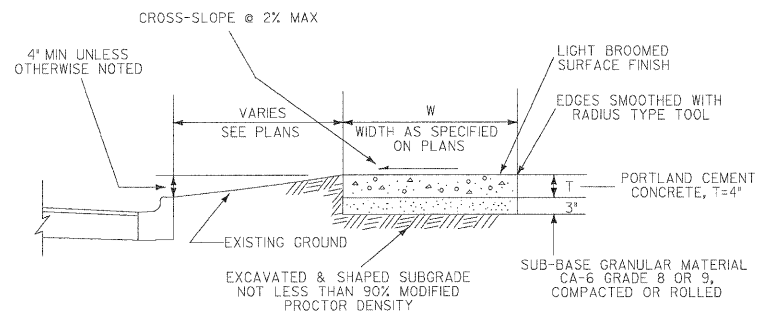
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1236	08-00100-00-PV	LAKE	35	26
CONTRACT NO. 63697				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



NOTE:  
 ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKING OF THE COLOR SHOWN ON THE PLAN.  
 SEE IDOT DISTRICT ONE TYPICAL PAVEMENT MARKINGS DETAIL.



FILE NAME = ...\\Cad\sheet\2253.sht	USER NAME = eds	DESIGNED - EDS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING PLAN</b>		F.A.U. RTE. 1236	SECTION 08-00100-00-PV	COUNTY LAKE	TOTAL SHEETS 35	SHEET NO. 27
	CIVILTECH	PLOT SCALE = 50.0000' / 1"	CHECKED - DNM		REVISED -	SCALE: 1" = 50'	SHEET NO. 3 OF 3 SHEETS	STA. 400+00 TO STA. 413+06	<b>CONTRACT NO. 63697</b>		
PLOT DATE = 2/2/2012	DATE - 02/06/12	REVISED -	REVISED -	FED. ROAD DIST. NO. 7   ILLINOIS   FED. AID PROJECT							

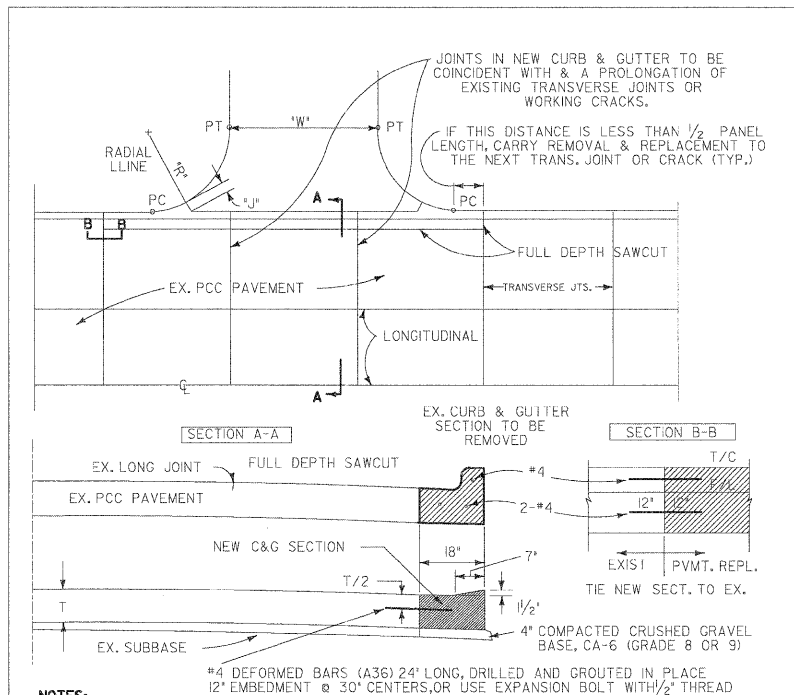


**GENERAL NOTES:**

- At locations where sidewalk is subjected to wheel traffic and/or constructed across access drive entrances, the New P.C.C. Sidewalk Section shall be thickened to 6" across the width of the driveway. This work shall be considered as incidental, and no additional compensation will be allowed.
- Placing, finishing and curing of P.C.C. Sidewalk shall meet the requirements of Sections 424 of the Standard Specifications for Road and Bridge Construction. Use 6 1/2 bag mix with 4% air entrainment.
- Slab or panel contraction (control) joints shall be as follows:  
 For 4' Sidewalk width = 5' O.C. Joint Spacing  
 5' Sidewalk width = 5' O.C. Joint Spacing  
 6' Sidewalk width = 6' O.C. Joint Spacing  
 8' Sidewalk width = 8' O.C. Joint Spacing
- Transverse expansion joints shall consist of preformed joint filler of thickness as follows:  
 1/2" between sidewalk and structures, standards, poles  
 3/4" at sidewalk intervals of not more than 50 feet & abutting concrete curbing or pavement.
- If excavation or undercutting of subgrade has been made deeper than necessary, the base shall be brought to proper grade by the addition of well compacted bedding material without any extra compensation due the Contractor.

**TYPICAL SECTION - P.C.C. SIDEWALK**

ENGINEERING DIVISION CELL LIBRARY DTLS.CEL CELL NAME DTLO01  
 VILLAGE OF LIBERTYVILLE STANDARD NO. 001

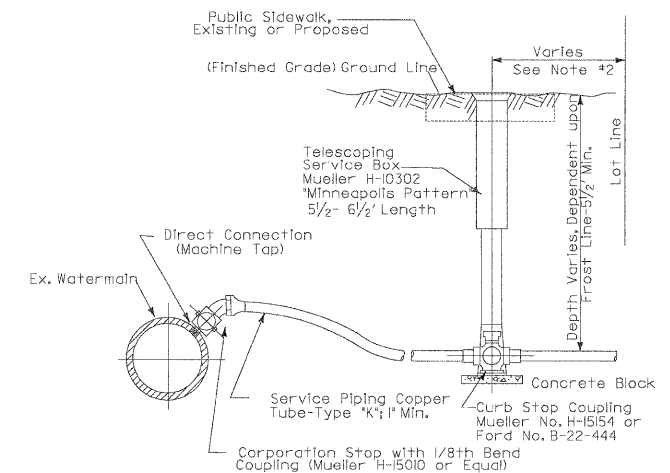


**NOTES:**

- DIMENSIONS 'W', 'R', & 'T' ARE VARIABLE - SEE PLANS  
 DIMENSION 'J' SHALL BE:  
 12" WHEN DRIVEWAY APPROACH PAVEMENT IS BITUMINOUS W/ NO EDGE CURBING  
 18" WHEN DRIVEWAY APPROACH PVMT IS PCC W/NO EDGE CURBING, OR BITUMINOUS W/6" TY. B EDGE CURBING  
 30" WHEN BITUMINOUS PCC APPROACH PVMT WILL HAVE A B-6.12 COMB. CURB AND GUTTER

**INTEGRAL CURB & GUTTER REPLACEMENT FOR NEW OR REPLACEMENT DRIVEWAY**

ENGINEERING DIVISION CELL LIBRARY DTLS.CEL CELL NAME DTLO03  
 VILLAGE OF LIBERTYVILLE STANDARD NO. 003

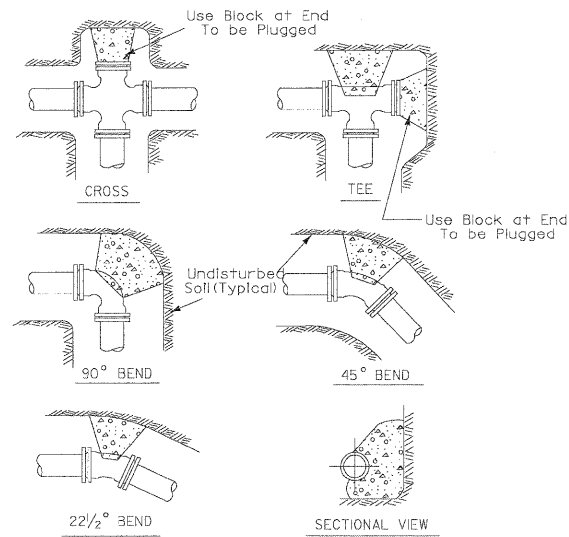


**Notes:**

- Compacted Granular Trench Backfill is Required where any Portion of Excavation Activity is Within Three (3) Feet Horizontally of Existing or Proposed Pavements, Driveways, or Sidewalks.
- Where Public Sidewalk is Present or Proposed, B-Box Shall Be Centered Within Width of Sidewalk
- When Water Services are Installed as Replacements for an Existing Service, Village Water Maintenance Personnel Shall Make the Tap for Services 2" in Diameter or Smaller.

**WATER SERVICE INSTALLATION**

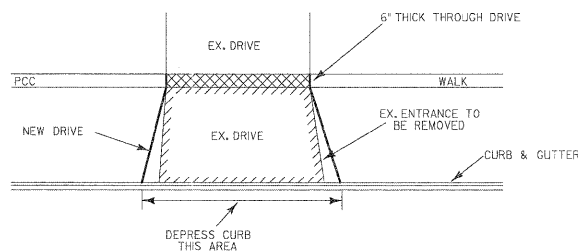
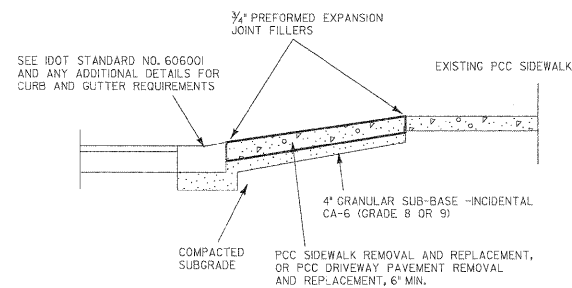
ENGINEERING DIVISION CELL LIBRARY DTLS.CEL CELL NAME DTLO07  
 VILLAGE OF LIBERTYVILLE STANDARD NO. 007



NOTES:  
 1. Thrust Blocks to be Used at 1/16th or Greater Bends.  
 2. Thrust Blocks to be Poured Against Firm Undisturbed Soil. Use Class "SI" Concrete.

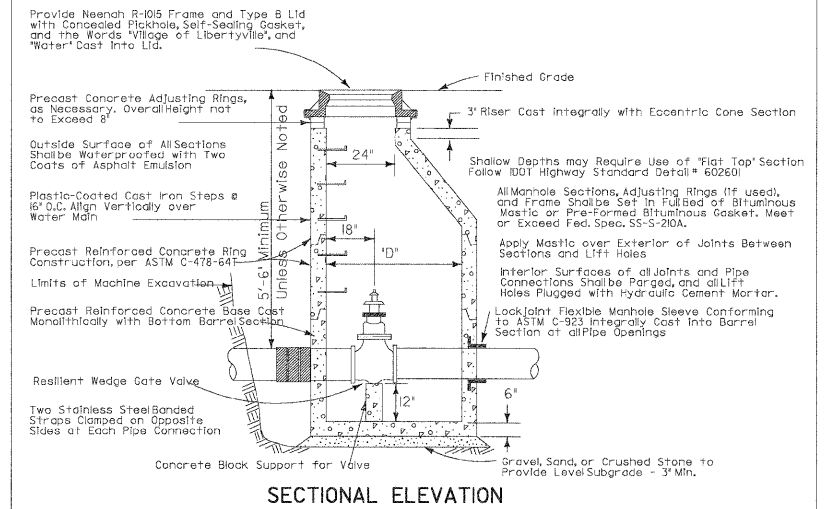
**THRUST BLOCK INSTALLATION**

ENGINEERING DIVISION CELL LIBRARY DTL5.CEL CELL NAME DTL00  
 VILLAGE OF LIBERTYVILLE STANDARD NO. 010



**SIDEWALK AND DRIVEWAY REPLACEMENT**

ENGINEERING DIVISION CELL LIBRARY DTL52.CEL CELL NAME DTL012  
 VILLAGE OF LIBERTYVILLE STANDARD NO. 012



**NOTES:**

- Dimension 'D' Shall be 48" When Watermain is Less Than 10" In Diameter, and 60" When Diameter of Main is 10" or Larger.
- For Valve Vaults Constructed Over Existing Mains, Such as at Pressure Connections or for Valve Insertions, Refer to Pressure Connection Detail.
- The Contract Unit Price For "Valve Vault" Shall Include the Cost of Furnishing and Placing 3" Leveling Base as Specified, and the Cost of Furnishing and Placing the Specified Frame and Cover.
- Frame Opening Shall be Aligned Over Operating Nut so that Valve can be Keyed Without Twist or Torque.

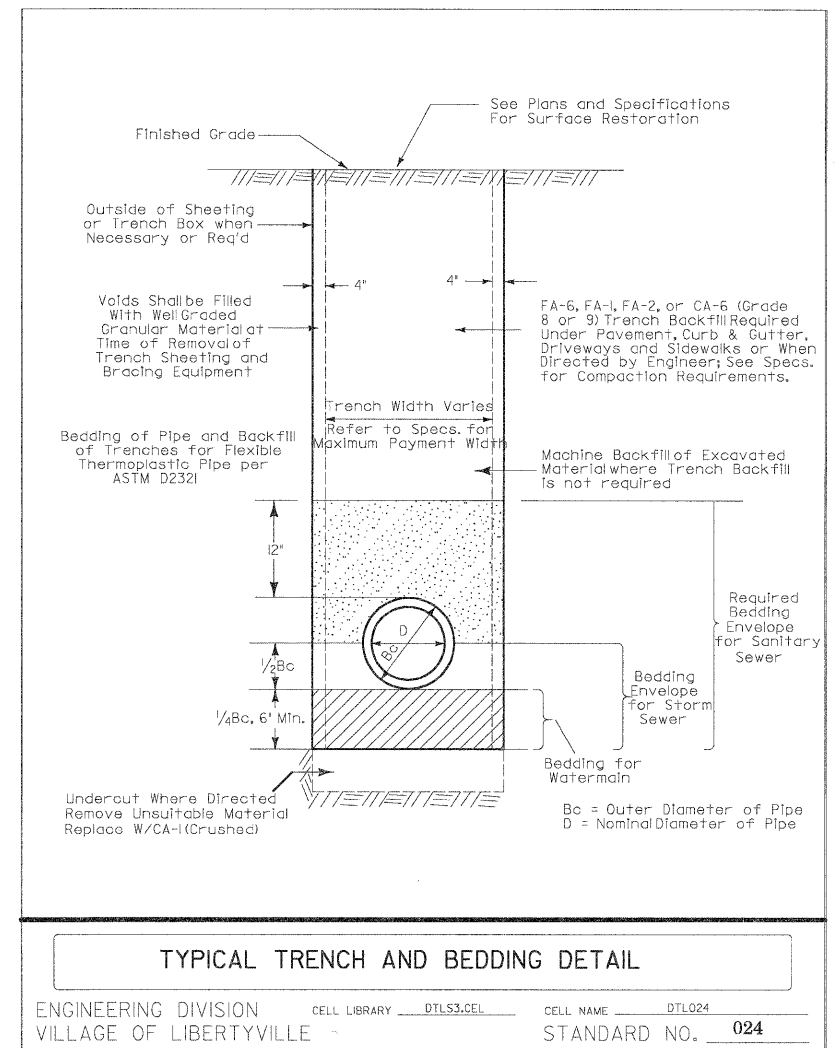
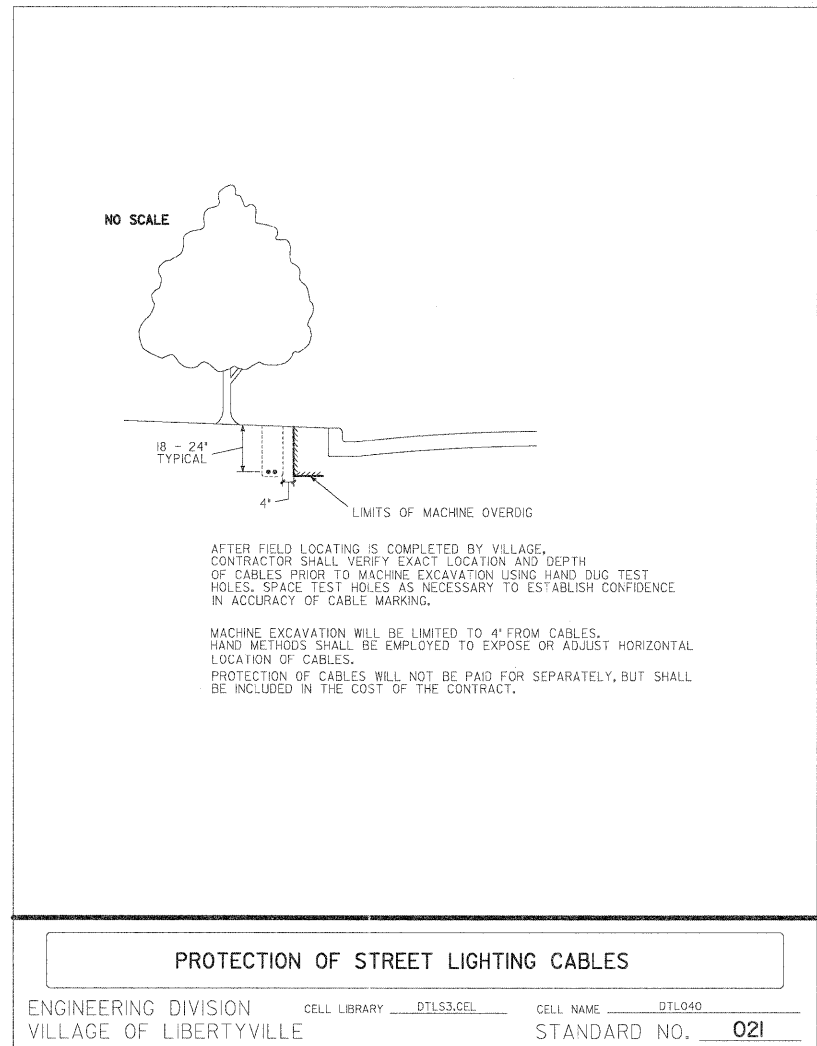
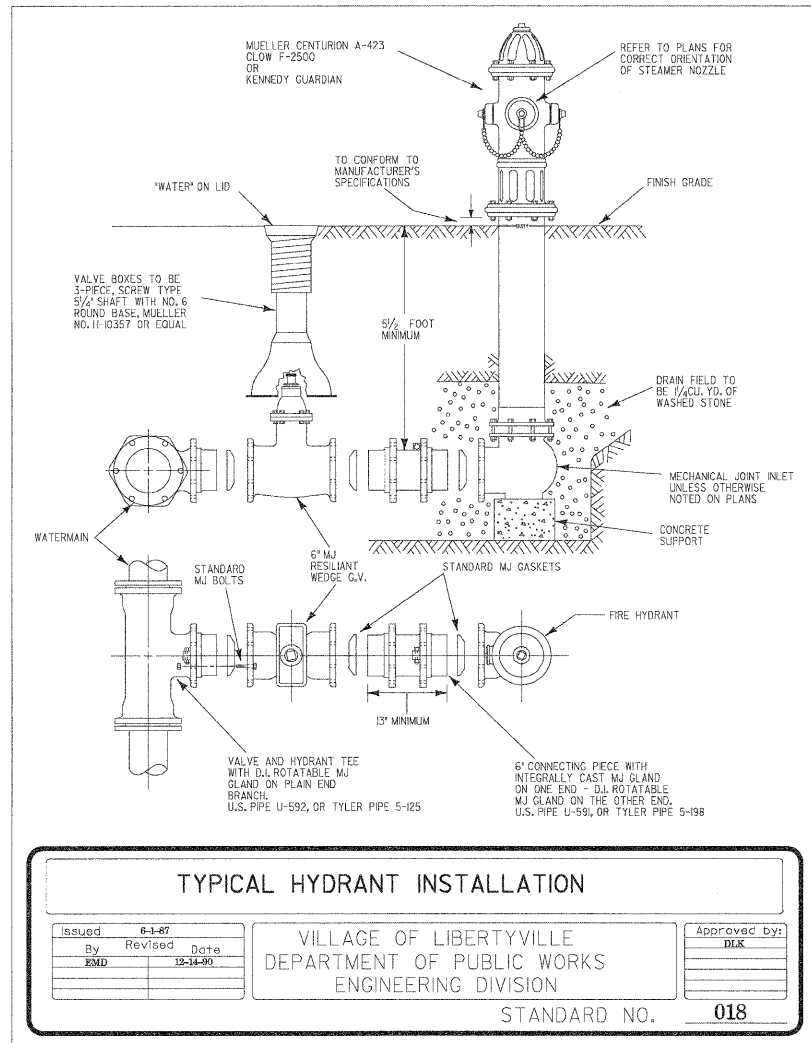
**WATERMAIN VALVE VAULT**

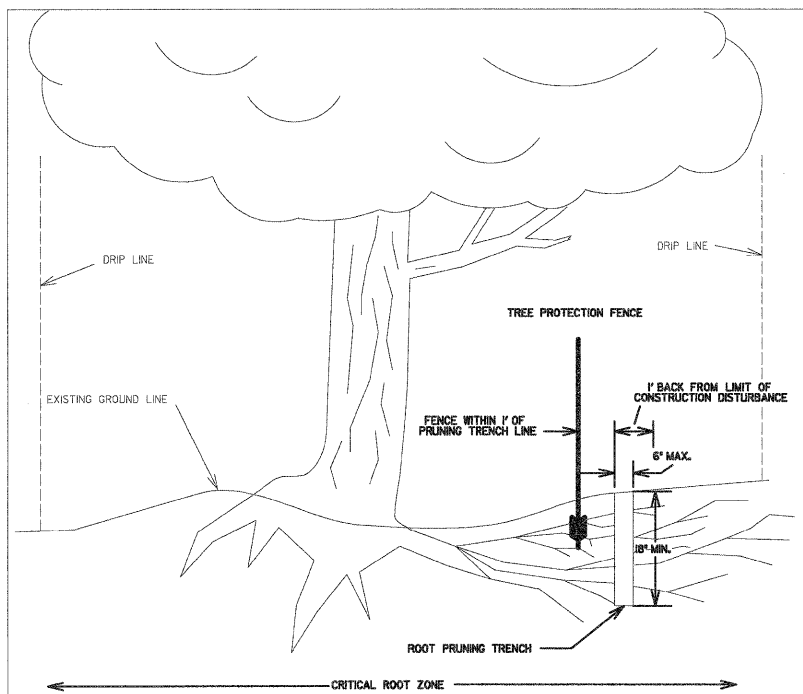
Issued	3-27-88
By	Revised
PDS	12-5-90

VILLAGE OF LIBERTYVILLE  
 DEPARTMENT OF PUBLIC WORKS  
 ENGINEERING DIVISION

Approved by:
DIR

STANDARD NO. 017





**NOTES:** EXACT LOCATION OF ROOT PRUNING TO BE AS SPECIFIED BY ENGINEER OR APPOINTED REPRESENTATIVE OF PARKS DEPARTMENT.

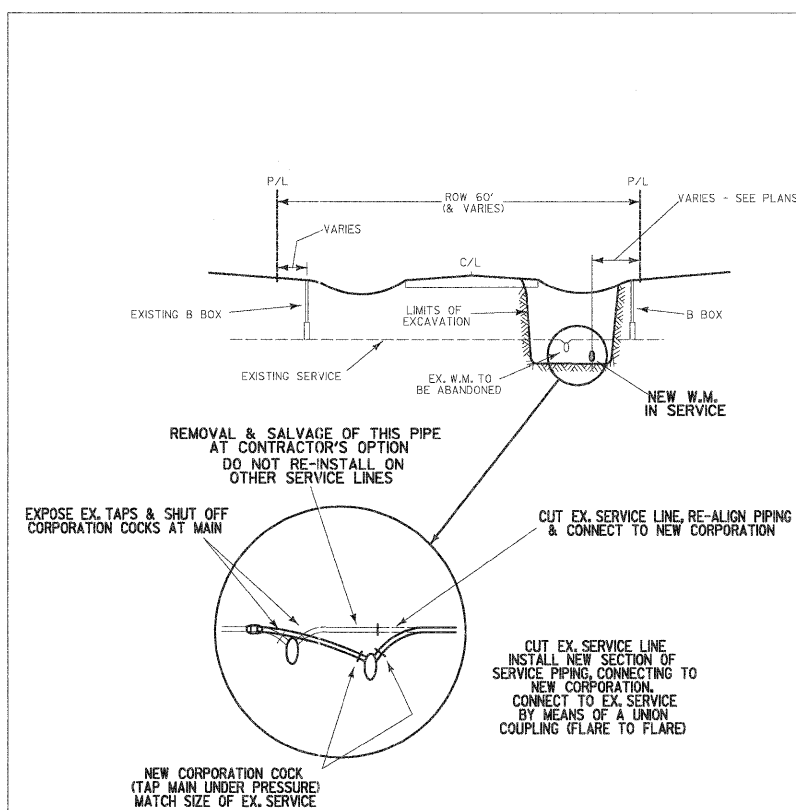
BACKFILL ROOT PRUNING TRENCH IMMEDIATELY FOLLOWING COMPLETION OF PRUNING ACTIVITIES. COVER TRENCH WITH MINIMUM 3" MULCH.

ROOT PRUNING ACTIVITIES AND THE PLACEMENT OF PROTECTIVE FENCING SHALL BE COORDINATED SO THAT BOTH SHALL BE COMPLETED AT EACH LOCATION WITHIN A 48 HOUR PERIOD.

UNDER NO CIRCUMSTANCES SHALL CONSTRUCTION PROCEED PRIOR TO THE COMPLETION OF ROOT PRUNING AND THE PLACEMENT OF PROTECTIVE FENCING NOR SHALL FENCING BE REMOVED WITHOUT PRIOR AUTHORIZATION FROM THE ENGINEER OR PARKS DEPT. REPRESENTATIVE.

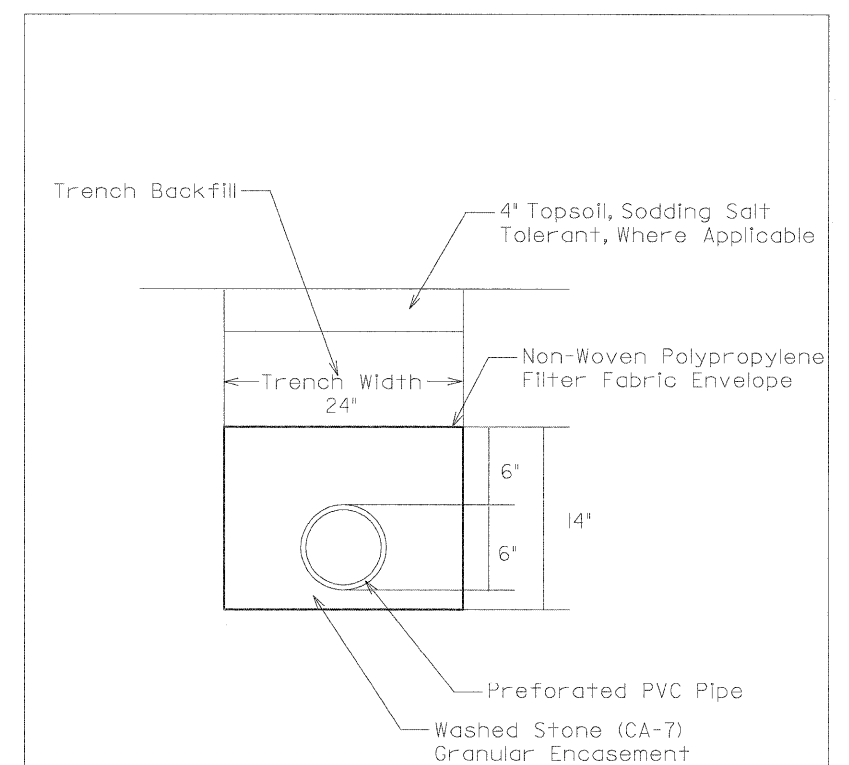
**TREE AND BUSH ROOT PRUNING**

ENGINEERING DIVISION CELL LIBRARY DTL53.CEL CELL NAME DTL025  
 VILLAGE OF LIBERTYVILLE STANDARD NO. 025



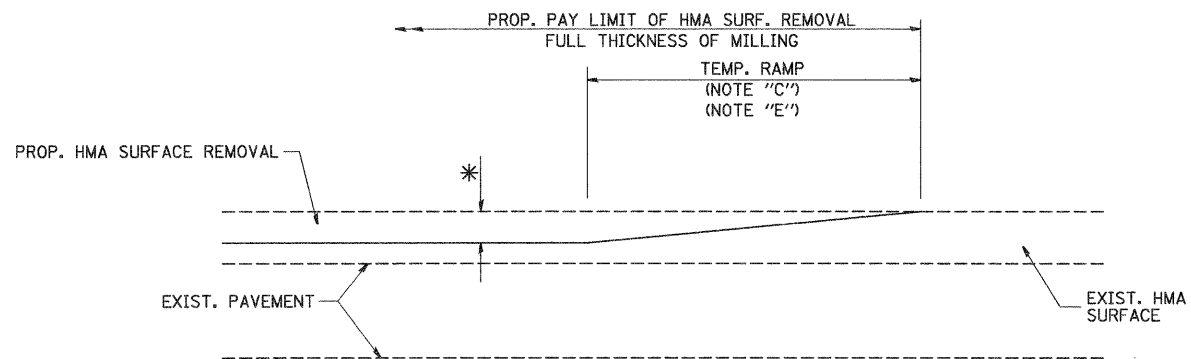
**SERVICE RE-CONNECTIONS**

ENGINEERING DIVISION CELL LIBRARY DTL54.CEL CELL NAME DTL036  
 VILLAGE OF LIBERTYVILLE STANDARD NO. 036



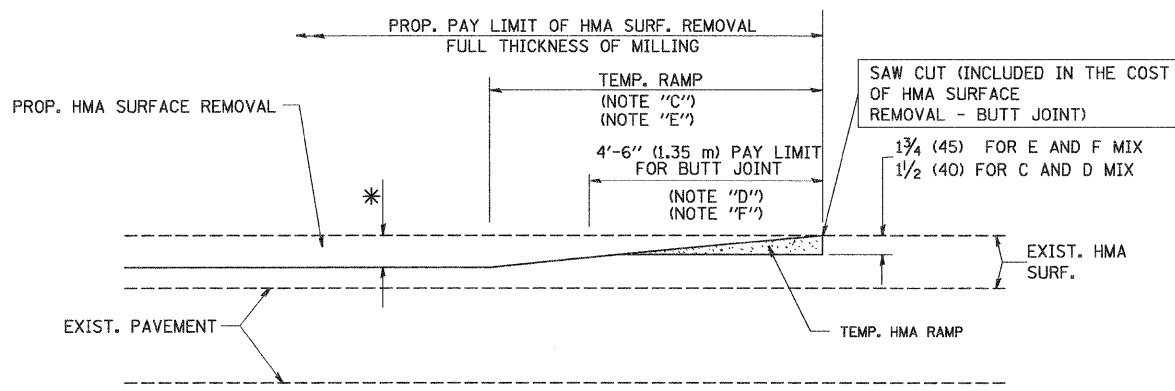
**PIPE UNDERDRAINS, FABRIC LINED TRENCH**

STANDARD NO. 048



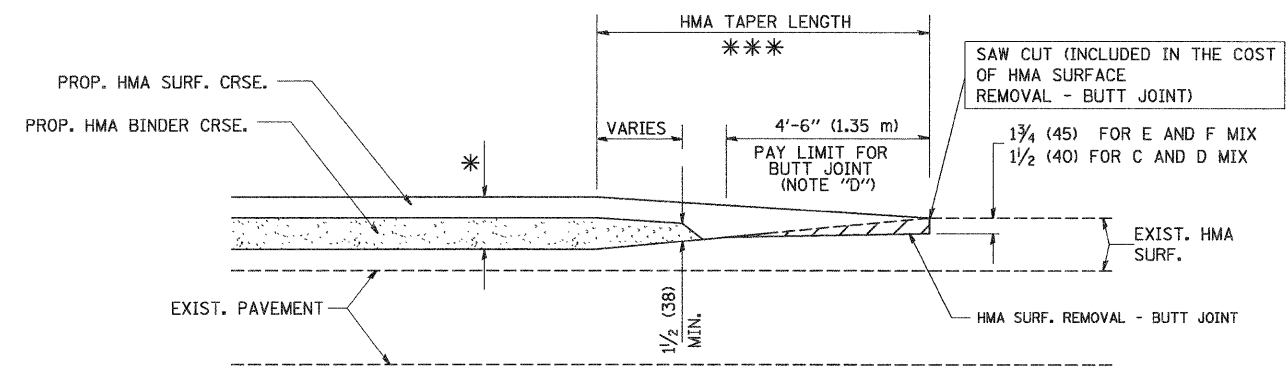
MILLED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

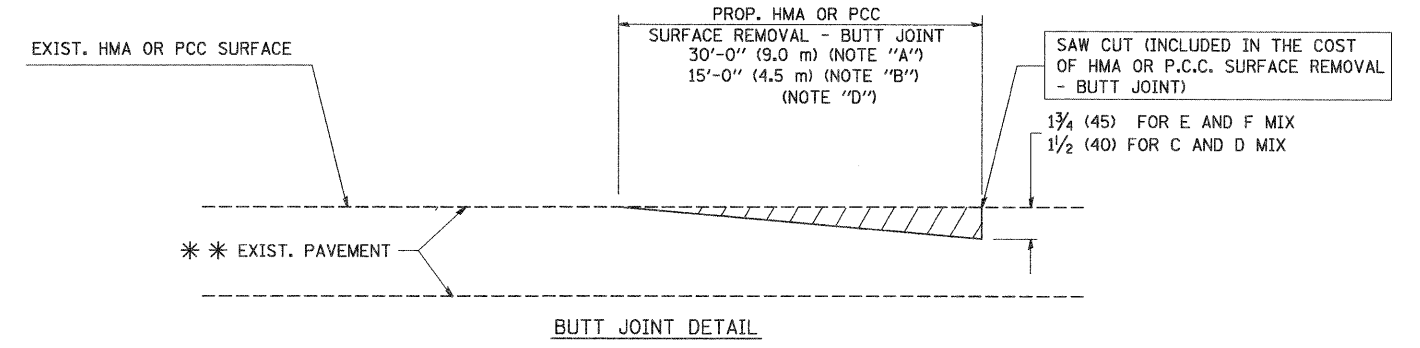


HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

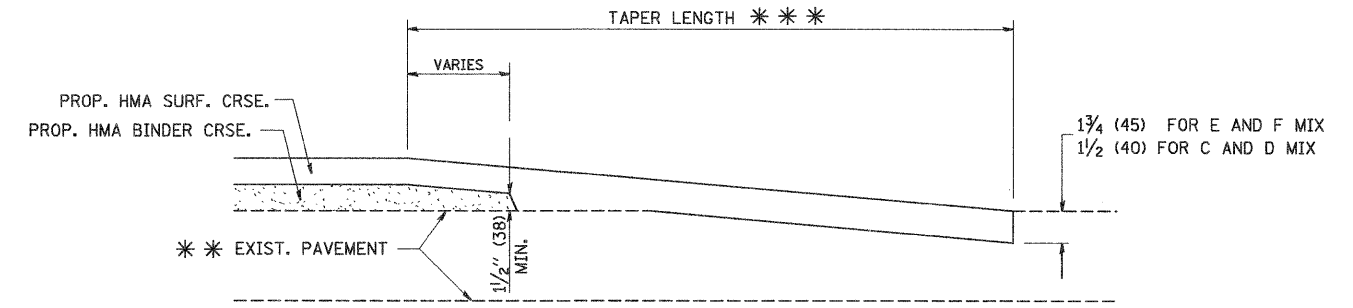
**OPTION 2**  
**TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**



BUTT JOINT DETAIL



HMA TAPER DETAIL

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

**NOTES**

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

**BASIS OF PAYMENT:**

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

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

FILE NAME =  
W:\d\stata\22x34\bd32.dgn

USER NAME = gegljanobt  
PLOT SCALE = 50.0000' / IN.  
PLOT DATE = 1/4/2008

DESIGNED - M. DE YONG  
DRAWN -  
CHECKED -  
DATE - 06-13-90

REVISED - R. SHAH 10-25-94  
REVISED - A. ABBAS 03-21-97  
REVISED - M. GOMEZ 04-06-01  
REVISED - R. BORO 01-01-07

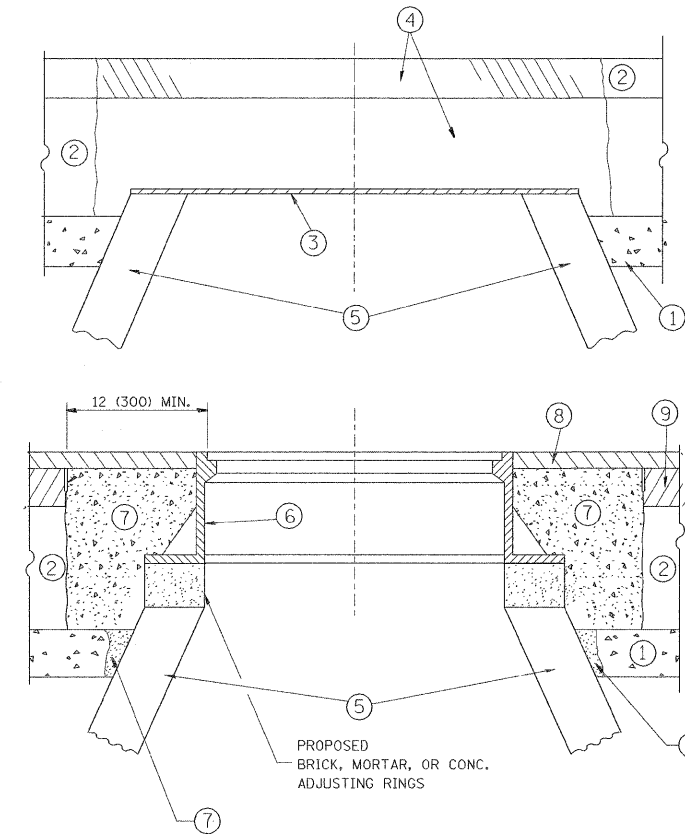
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			35	32
BD400-05 BD32		CONTRACT NO. 63697		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1\* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

**LOCATION OF STRUCTURES:**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT:**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**NOTES:**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\pwidot\baerd\ad8108315\bd28.dgn		DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD600-03 (BD-8)	CONTRACT NO. 63697	35	33
	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED - R. BORO 03-09-11									
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11									
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT												

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001  
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) \*\*

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

\* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

\*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

**BASIS OF PAYMENT:**

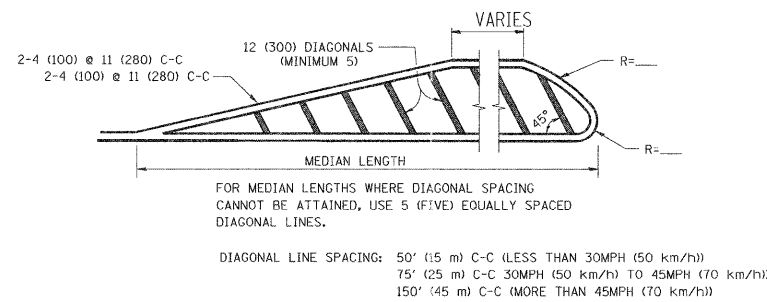
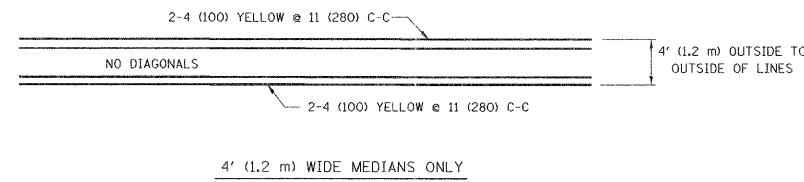
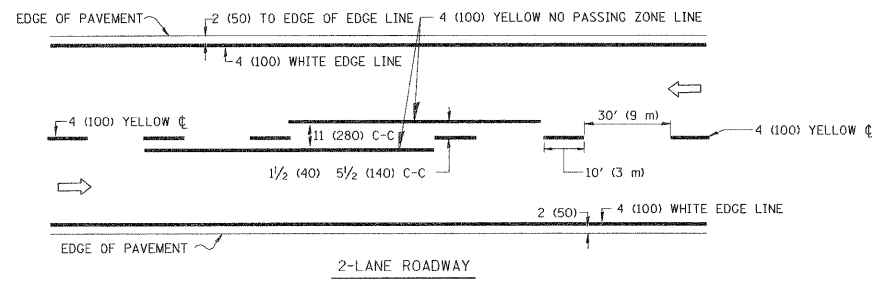
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT",

AS "COMBINATION CURB AND GUTTER REMOVAL" AND "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18".

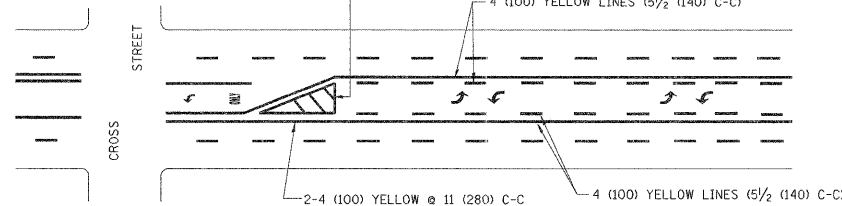
# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

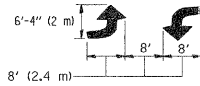
FILE NAME =	USER NAME = drivakoegn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pw-work\pwsdot\drivakoegn\d0188315\bd24.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	35	34	
		CHECKED -	REVISED - M. GOMEZ 01-22-01		BD600-06 (BD-24)		CONTRACT NO. 63697				
		DATE - 03-11-94	REVISED - R. BORO 12-15-09		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						



MEDIANS OVER 4' (1.2 m) WIDE

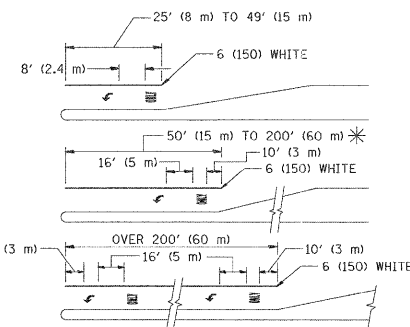


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

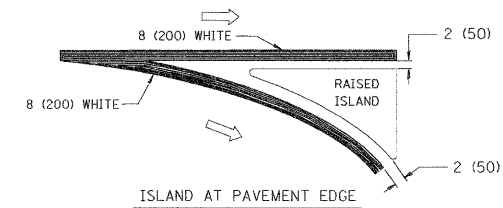
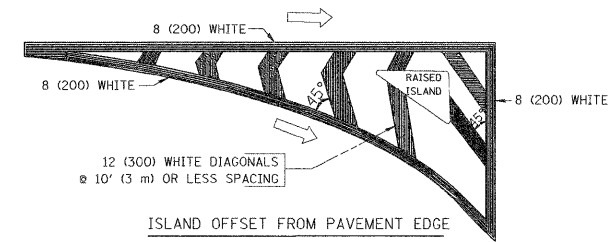


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
\* AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

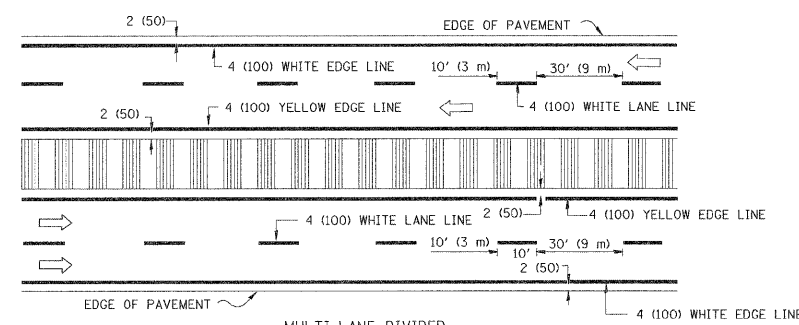
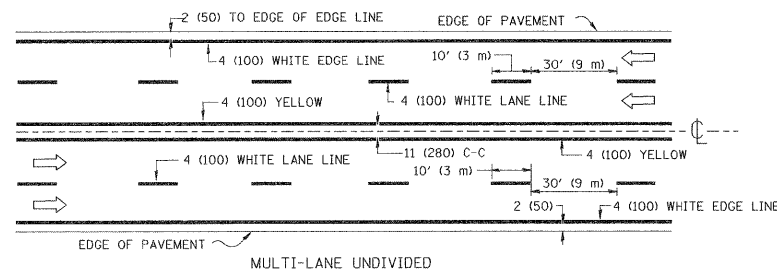
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

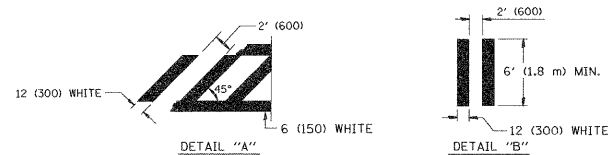
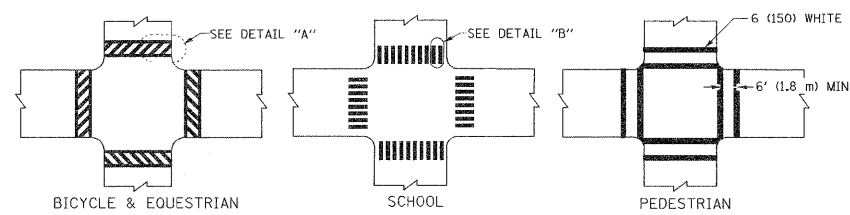


TYPICAL ISLAND MARKING



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

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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