FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROJECT LOCATED IN THE CITY OF MOMENCE

# STATE OF ILLINOIS

# DEPARTMENT OF TRANSPORTATION

**DIVISION OF HIGHWAYS** 

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

ILLINOIS TRANSPORTATION ENHANCEMENT PROGRAM MUN 1630, WASHINGTON STREET

ILLINOIS ROUTE 1/17 DIXIE HIGHWAY (RANGE STREET) TO LOCUST STREET

STREETSCAPE IMPROVEMENTS SECTION: 10-00059-00-LT

**PROJECT: TE-00D3(095)** 

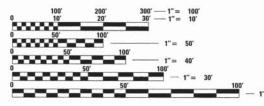
CITY OF MOMENCE KANKAKEE COUNTY

JOB NO: C-93-118-15

**FUNCTIONAL CLASSIFICATION** 

WASHINGTON STREET
URBAN LOCAL STREET
POSTED SPEED LIMIT = 25 MPH
2015 ADT = 2,614 VPD
PV = 70%, SV = 25%, MV = 5%

MUN 1630, WASHINGTON STREET BEGIN IMPROVEMENT STA 15+36



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

J.U.L.I.E. DESIGN STAGE REQUEST DIG. No. X1241327



CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:

COUNTY = KANKAKEE
CITY-TWNSHP. = MOMENCE-MOMENCE
SEC. & 1/4 SEC. NO. = 19NW, T31N, R14E
48 HOURS (2 working days) BEFORE YOU DIG

STISTREET

GROSS LENGTH = 373 FT. = 0.071 MILE NET LENGTH = 373 FT. = 0.071 MILE MUN 1630, WASHINGTON STREET END IMPROVEMENT STA 19+09

BAXTER WOODMAN
Consulting Engineers

MUN SECTION COUNTY TOTAL SHEETS NO. 1630 10-00059-00-LT KANKAKEE 20 1 TE-0003(095) ILLINOIS CONTRACT NO. 876-33





PASSED

DISTRICT 3 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW

DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

B&W PROJECT NO.: 100743

DATE: 6/2/15

S60kor 77/205 216655 PM "NPL01SNOD743,Phose2.Pen.,bl. .....Nplotdrv.vodf-8M.Default.ph h\Mekena\MOMEN\D07431, RIREALI OF INCA RADA AND STREETS-RACER RIAKIEV DE 945.439.9405 OTTAMA II

CONTRACT NO. 87633

- 2. THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS REPRESENTS ONLY THE OPINION OF THE CITY AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER AND THE ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY TO VERIFY THAT GRADE CONFLICTS WILL NOT OCCUR WITH ANY PROPOSED UTILITIES PRIOR TO CONSTRUCTION AND ORDERING ANY MATERIALS. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR. THE COST OF THIS EXPLORATION SHALL BE INCLUDED IN THE COST OF THE PROPOSED UTILITY CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE CITY DIRECTOR OF PUBLIC WORKS AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN CITY UTILITY LOCATIONS.
- 4. THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CITY RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF CITY WATER IF DEEMED NECESSARY.
- ACCESS TO PRIVATE DRIVEWAYS AND BUILDING ENTRANCES SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS. UTILIZING CRUSHED STONE OR CRUSHED GRAVEL.
- 6. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS AND THE CITY WHEN ACCESS TO DRIVEWAYS OR BUILDING ENTRANCES WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY AND/OR SIDEWALK REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE CITY TO RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE
  USED. ONE (1) WEIGHTED SANDBAG SHALL BE PLACED ACROSS EACH BOTTOM RAIL.
- 8. PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 8-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES ALLEYS. TRANSVERSE EXPANSION JOINTS 3/4" SHALL BE PLACED EVERY 50 FEET OR AS DETERMINED BY THE ENGINEER. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5-FEET.
- A ½-INCH THICK EXPANSION JOINT SHALL BE PROVIDED AT THE JUNCTION OF THE DRIVEWAY APRON AND CURB, AND AT
  THE JUNCTION OF THE DRIVEWAY APRON AND THE SIDEWALK. THIS WORK WILL BE INCLUDED IN THE COST OF PORTLAND
  CEMENT CONCRETE DRIVEWAY PAVEMENT.
- 10. THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES.
- 11. DETECTABLE WARNINGS SHALL BE CONSTRUCTED WITH THE INSTALLATION OF AN ADA-COMPLIANT CAST-IN-PLACE COMPOSITE 24"X48" MINIMUM NOMINAL SIZE PANEL USING EITHER ARMOR-TILE TACTILE WARNING SURFACE TILE SYSTEM AS MANUFACTURED BY ENGINEERING PLASTICS, INC., WILLIAMSVILLE NY, CAST-IN PLACE TACTILE WARNING SURFACE AS MANUFACTURED BY ADA SOLUTIONS, INC., NORTH BILLERICA, MA OR POLYMER TILE SYSTEM AS MANUFACTURED BY TUFTILE, LAKE ZURICH, IL. THE DOMES LOCATED ON THE PANEL SHALL PARALLEL THE PAVEMENT CROSS WALK WITH THE CLOSEST EDGE LOCATED AT THE BACK OF CURB. THE CONTRASTING PANEL COLOR SHALL BE SELECTED BY THE CITY. INSTALLATION SHALL OCCUR IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- 12. IN AREAS WHERE THE EXISTING PAVEMENT, DRIVEWAY, SIDEWALK, OR CURB AND GUTTER IS TO BE REMOVED AND REPLACED, THE REMOVAL AND DISPOSAL OF ANY ADDITIONAL MATERIAL REQUIRED TO ESTABLISH THE PROPOSED PAVEMENT, DRIVEWAY, SIDEWALK, OR CURB AND GUTTER SUBGRADE ELEVATION SHALL BE INCLUDED IN THE APPROPRIATE REMOVAL PAY ITEMS.
- 13. THE CONTRACTOR WILL BE REQUIRED TO USE A STEEL PLATE OR PLATES TO CLOSE ANY GAPS OCCURRING WHEN A FRAME IS OFFSET FROM THE STRUCTURE. THE STEEL PLATE SHALL BE 1/2-INCH THICK AND APPROXIMATELY 6-INCH WIDE BY 24-INCH LONG. SOME ADJUSTMENT IN SIZE MAY BE NECESSARY TO PREVENT THE STEEL PLATE FROM OVERHANGING THE OUTSIDE OF THE STRUCTURE WALL. THE STEEL PLATE SHALL BE BEDDED IN AND COVERED WITH MORTAR. THIS WORK SHALL BE INCLUDED IN THE COST OF STRUCTURE ADJUSTMENTS OR STRUCTURE RECONSTRUCTIONS.
- 14. THE CURB SHALL BE TAPERED TO THE GUTTER IN A FIVE (5) FOOT LENGTH WHEREVER THE CURB AND GUTTER TERMINATES, WITH AN EXPANSION JOINT PLACED AT THE START OF THE TAPER.
- 15. TRENCH BACKFILL FOR THIS PROJECT SHALL CONSIST OF CRUSHED CA-6 AND SHALL BE COMPACTED BY METHOD 1 ONLY.
- 16. ALL SIGNS, POSTS, PLANTER BOXES AND DECORATIVE ITEMS TO REMAIN WHICH ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE TEMPORARILY REMOVED AND REPLACED OR RELOCATED AS DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR WHEN REMOVING AND REPLACING OR RELOCATING THESE ITEMS TO PRESERVE THEM FROM HARM.
- 17. PRIOR TO CONSTRUCTION OF ANY PROPOSED UTILITIES, THE CONTRACTOR SHALL EXCAVATE AND LOCATE THE EXISTING UTILITIES TO VERIFY THEIR LOCATION, SIZE, AND DEPTH TO INSURE THAT GRADE CONFLICTS WILL NOT OCCUR. THE COST OF THIS EXPLORATION SHALL BE INCLUDED IN THE NEW STORM STRUCTURE PAY ITEM.
- 18. THE COST OF MAKING ANY SEWER CONNECTIONS TO EXISTING DRAINAGE STRUCTURES OR PIPE SHALL BE INCLUDED IN THE NEW STORM STRUCTURE PAY ITEM. ANY ADDITIONAL STORM SEWER PIPE REQUIRED TO MAKE THE CONNECTION SHALL BE OF THE SAME SIZE AND MATERIAL TYPE AS THE EXISTING STORM SEWER AND SHALL BE INCLUDED IN THE NEW STORM STRUCTURE PAY ITEM.
- 19. STORM STRUCTURE OFFSET LOCATIONS ARE TO THE EDGE OF PAVEMENT IF THE STRUCTURE IS IN THE CURB LINE OR TO THE CENTER OF STRUCTURE IF THE STRUCTURE IS NOT IN THE CURBLINE.
- ALL TEMPORARY STORM SEWER PLUGS AND TEMPORARY STORM SEWER CONNECTIONS REQUIRED FOR CONSTRUCTION STAGING SHALL BE INCLUDED IN THE COST OF THE STORM SEWER CONSTRUCTION.
- 21. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF COST OF THE STRUCTURE.
- 22. A PORTABLE BATHROOM SHALL BE PLACED ON THE JOB SITE AND RELOCATED WHEN NECESSARY SO IT IS ACCESSIBLE TO WORKERS. THIS SHALL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.

- 23. DURING CONSTRUCTION, THE CONTRACTOR WILL BE PERMITTED TO LIMIT ON-STREET PARKING IN ORDER TO COMPLETE CONSTRUCTION OPERATIONS. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE MUNICIPALITY A MINIMUM OF 48 HOURS IN A DVANCE. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PLACE ADVANCE SIGNS TO ALERT RESIDENTS AND COMMUTERS OF THE CONSTRUCTION WORK. THE PLACEMENT OF THESE SIGNS SHALL TAKE PLACE 48 HOURS IN ADVANCE IN ORDER TO ALLOW SUFFICIENT TIME FOR RESIDENTS AND GENERAL PUBLIC TO REVISE THEIR PARKING PATTERNS.
- 24. WORK SHALL BE LIMITED TO ONE SIDE OF THE ROADWAY AT A TIME TO MINIMIZE CONGESTION WHERE PRACTICAL.
- 25. WORK AND MATERIALS REQUIRED TO INSTALL 1-INCH UNIT DUCT SHALL BE INCLUDED IN THE PAY ITEM DETECTOR LOOP, TYPE I.
- 26. IF MATERIAL IS TAKEN TO AN IEPA APPROVED FILL SITE, THE CONTRACTOR IS RESPONSIBLE FOR THE TESTING REQUIRED BY THE SITE WHICH INCLUDES: CERTIFYING SOILS ARE UNCONTAMINATED AND WITHIN PHOF 6,25 TO 9.0, COMPLETION OF IEPA FORM LPC-683 BY A LICENSED P.E., AND ADDITIONAL ANALYTICAL TESTING REQUIRED BY THE DISPOSAL SITE AND/OR ENGINEER. THE ENGINEER SHALL BE PROVIDED COPIES OF ALL TEST RESULTS AND CERTIFICATIONS (INCLUDING LPC-663), BASED ON PRELIMINARY SCREENING OF THE AREA IT HAS BEEN DETERMINED THAT THE PROJECT SITE HAS A LOW RISK FOR ENCOUNTERING CONTAMINATED SOILS OR SPECTAL WASTE SOILS. PID OR FID READINGS ARE NOT ACCEPTABLE RESULTS FOR CLASSIFYING THE MATERIAL. IF REJECTED, ANALYTICAL TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ARTICLE 669.08. IF MATERIAL IS UNCONTAMINATED, IT SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH APPROPRIATE PAY ITEM. IF THE MATERIAL IS CLASSIFIED AS NON-SPECIAL WASTE, THE CONTRACTOR SHALL REUSE THE MATERIAL ON SITE AT NO ADDITIONAL COST. IF ON-SITE USE IS NOT FEASIBLE, DISPOSAL SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04. ALL ADDITIONAL CERTIFICATIONS AND ANALYSIS COMPLETED BY THE CONTRACTOR SHALL BE INCLUDED IN THE COST OF APPLICABLE EXCAVATION ITEMS.
- 27. THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS, DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.
- 28. THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.
- 29. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF THE CURB AND GUTTER RATHER THAN THE ASPHALT.
- 30. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
- 31. SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.
- 32. ONLY THOSE TREES DESIGNATED BY THE ENGINEER SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
- FOR NEW CONSTRUCTION, PLACE CURB RAMPS FOR SIDEWALKS (STANDARD 424001) AT ALL LOCATIONS WHERE PROPOSED SIDEWALK ABUTS CURB AT STREET ENTRANCES.
- 34. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DETERMINED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- 35. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

112 LBS / SQ YD / IN

- 36. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES: BITUMINOUS MATERIALS PRIME COAT 0.05 POUNDS / SQ FT
- 37. MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:
- 1. COMMONWEALTH EDISON COMPANY
- 2. AT&T DISTRIBUTION

HMA RESURFACING

- 3. NICOR GAS
- 4. MEDIACOM COMMUNICATIONS
- 5. CITY OF MOMENCE

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

### INDEX OF SHEETS

SHEET NO. TITLE

1 COVER SHEET

2 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, BENCHMARKS, CONSTRUCTION SEQUENCE AND COMMITMENTS

3 4 SUMMARY OF QUANTITIES

5 6 TYPICAL SECTIONS AND HOT-MIX ASPHALT MIXTURE REQUIREMENTS

7 REMOVAL PLAN - WASHINGTON STREET

8 ROADWAY PLAN AND PROFILE - WASHINGTON STREET

9 ROADWAY PLAN AND PROFILE - WASHINGTON STREET

10 ROADWAY PLAN AND PROFILE - WASHINGTON STREET

11 ROADWAY PLAN AND PROFILE - WASHINGTON STREET

12 ROADWAY PLAN AND PROFILE - WASHINGTON STREET
13 ELECTRICAL PLAN - WASHINGTON STREET

14 MISCELLANEOUS DETAILS

15 16 IDOT DISTRICT 3 DETAILS

17 20 CROSS SECTIONS - WASHINGTON STREET

### COMMITMENTS

THERE ARE NO COMMITMENTS

### BENCHMARKS

BM 1 SET X ON NORTH NORTHEAST BOLT OF FIRE HYDRANT ON SOUTHWEST CORNER OF WASHINGTON STREET AND ILLINOIS ROUTE 1/17 DIXIE HIGHWAY (RANGE STREET) FL = 624.99

BM 2 SOUTH ARROW BOLT OF FIRE HYDRANT ON NORTHWEST CORNER OF WASHINGTON STREET AND LOCUST STREET EL = 625.59

### CONSTRUCTION SEQUENCE

THE CITY OF MOMENCE REQUESTS THIS PROJECT BEGIN IN THE SPRING OF 2016 TO AVOID A WINTER SHUTDOWN / PROJECT SUSPENSION. THE CITY AND CONTRACTOR SHALL COORDINATE THE START DATE AFTER THE BID OPENING. REGARDLESS OF THE START DATE, WORKING DAYS SHALL BEGIN MAY 1, 2016.

ALL WORK SHALL BE SUBSTANTIALLY COMPLETED BY 25 WORKING DAYS, EXCLUDING PUNCH LIST ITEMS AND ALL WORK SHALL BE COMPLETED BY 30 WORKING DAYS UNLESS ADDITIONAL TIME IS GRANTED IN ACCORDANCE WITH SECTION 108.08 OF THE STANDARD SPECIFICATIONS, OR THE CONTRACTOR SHALL BE LIABLE FOR LIQUIDATED DAMAGES PER CALENDAR DAY IN ACCORDANCE WITH SECTION 108.09 OF THE STANDARD SPECIFICATIONS.

### **HIGHWAY STANDARDS**

000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

280001-07 TEMPORARY EROSION CONTROL SYSTEMS

424001-08 PERPENDICULAR CURB RAMPS FOR SIDEWALKS 602301-04 INLET - TYPE A

604051-04 FRAME AND GRATE TYPE 11

606001-06 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

701001-02 OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY

701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT

701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

701701-09 URBAN LANE CLOSURE, MULTILANE INTERSECTION 701801-05 SIDEWALK, CORNER OR CROSSWALK CLOSURE

701901-04 TRAFFIC CONTROL DEVICES

780001-05 TYPICAL PAVEMENT MARKINGS

886001-01 DETECTOR LOOP INSTALLATIONS

886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS

STATE OF ILLINOIS
DEPARTMENET OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, BENCHMARKS, CONSTRUCTION SEQUENCE AND COMMITMENTS

BAXTER WOODMAN Consulting Engineers

# SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE ROADWAY 0031 ITEP
20200100	EARTH EXCAVATION	CUYD	172	172
20400800	FURNISHED EXCAVATION	CU YD	139	139
28000510	INLET FILTERS	EACH	4	4
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,307	1,307
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	50	50
35300105	PORTLAND CEMENT CONCRETE BASE COURSE 6 1/4"	SQ YD	94	94
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	43	43
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	17	17
42001300	PROTECTIVE COAT	SQ YD	1,147	1,147
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	30	30
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	8,070	8,070
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	180	180
42400800	DETECTABLE WARNINGS	SQ FT	76	70
44000100	PAVEMENT REMOVAL	SQ YD	196	190
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	32	32

*	SPECIALTY ITEM	

<sup>#</sup> INDICATES SPECIAL PROVISION

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE ROADWAY 0031
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	804	ITEP 804
55100300	STORM SEWER REMOVAL 8"	FOOT	8	8
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	20	20
60238800	INLETS, TYPE A	EACH	1	1
60250200	CATCH BASINS TO BE ADJUSTED	EACH	3	3
60260100	INLETS TO BE ADJUSTED	EACH	3	3
60266600	VALVE BOXES TO BE ADJUSTED	EACH	2	2
60404800	FRAMES AND GRATES, TYPE 11	EACH	1	1
60500060	REMOVING INLETS	EACH	1	1
60600605	5 CONCRETE CURB, TYPE B	FOOT	84	84
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	779	775
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	64	64
67100100	) MOBILIZATION	L SUM	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	2
7010264	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1

REVISED - IDOT REVIEW 6-29-15 REVISED - CITY REVIEW 6-29-15 DESIGNED - MWP BAXTER WOODMAN DRAWN - KAR CHECKED - TMS REVISED -FILE - 100743SHT-S00.dgn

STATE OF ILLINOIS
DEPARTMENET OF TRANSPORTATION

				MUN RTE.	SECTION	COUNTY	SHEETS	NO.
	SUMMARY OF	F QUANTI	TIES	1630	10-00059-00-LT	KANKAKEE	20	3
						CONTRAC	T NO. 8	7633
SCALE: NONE		STA.	TO STA.	FED. ROAD	DIST. NO. ILLINOIS FED.	AID PROJECT TE-	0003(095)	

<sup>\*</sup> SPECIALTY ITEM # INDICATES SPECIAL PROVISION

# SUMMARY OF QUANTITIES

		CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE ROADWAY 0031 ITEP
	•	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	168	168
	*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	32	33
		A2006524	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 3" CALIPER, BALLED AND BURLAPPED	EACH	4	
	*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	60	6
,	*	81603065	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	770	770
7	*	88600100	DETECTOR LOOP, TYPE I	FOOT	70	70
	*	89502380	REMOVE EXISTING HANDHOLE	EACH	4	
		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	5
	*	X0323927	MAINTENANCE OF LIGHTING SYSTEM	EACH	1	
		X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	38	3
		X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	
ŧ		X4404700	SIDEWALK REMOVAL (SPECIAL)	SQ FT	10,380	10,38
	*	X8140115	HANDHOLE TO BE ADJUSTED	EACH	4	
	*	X8860100	LOOP DETECTOR TESTING	EACH	1	
	*	X8950130	MODIFY EXISTING LIGHTING CONTROLLER	EACH	1	

CO		PAY ITEM	UNIT	TOTAL QUANTITY	TYPE CODE ROADWAY 0031 ITEP
X895	1011	REMOVE AERIAL CABLE	FOOT	100	100
XX00	)4467	BRICK PAVER SIDEWALK ON RIGID BASE	SQ FT	1,884	1,884
XX00	5878	CAST IRON TREE GRATES	EACH	4	4
P00XX	1047	FILLING EXISTING VAULT	CUYD	250	250
	-211				

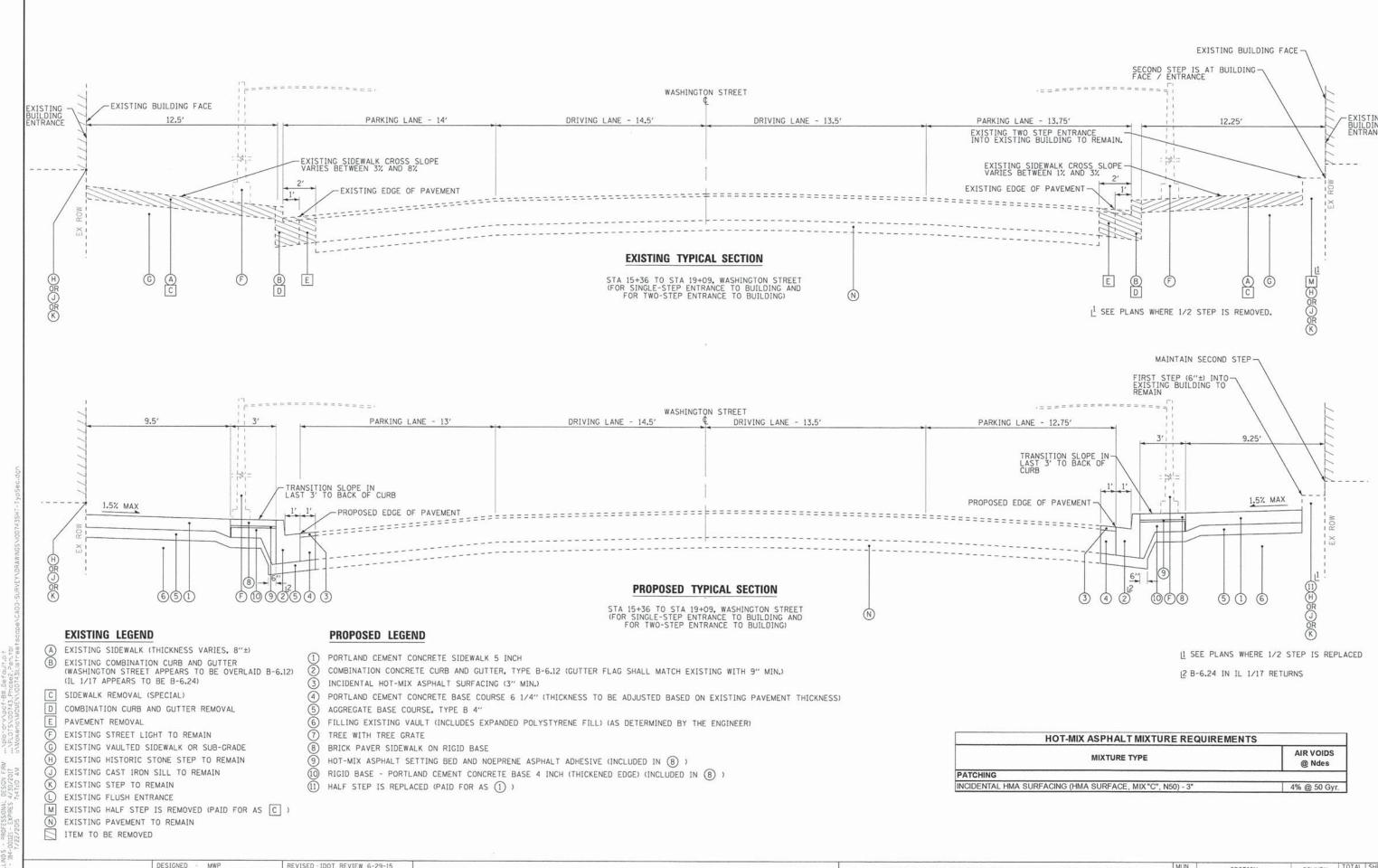
CONSTRUCTION

\* SPECIALTY ITEM # INDICATES SPECIAL PROVISION

SCALE: NONE

\* SPECIALTY ITEM # INDICATES SPECIAL PROVISION

	DESIGNED - MWP	REVISED - IDOT REVIEW 6-29-15
PAYTERSWOODMAN	DRAWN - KAR	REVISED - CITY REVIEW 6-29-15
BAXTER WOODMAN	CHECKED - TMS	REVISED -
	DATE - 6/2/15	FILE - 100743SHT-S00.dgn



BAXTER WOODMAN Consulting Engineers

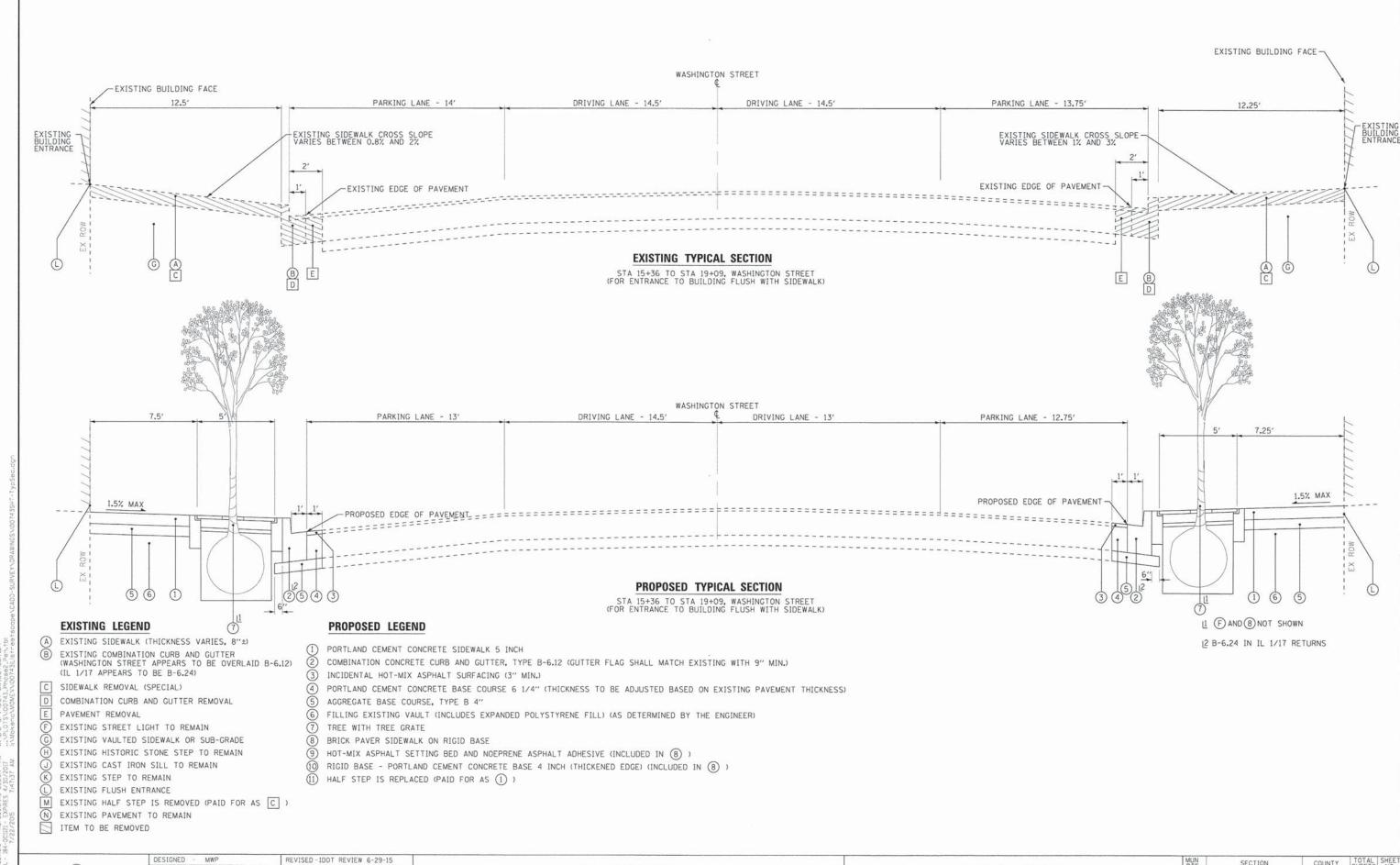
STATE OF ILLINOIS
DEPARTMENET OF TRANSPORTATION

TYPICAL SECTIONS AND HOT – MIX ASPHALT MIXTURE REQUIREMENTS

 MUN. RTE.
 SECTION
 COUNTY
 TOTAL SHEE SHEETS NO.

 1630
 10-00059-00-LT
 KANKAKEE
 20
 5

 CONTRACT NO. 87633
 CONTRACT NO. 87633
 CONTRACT NO. 87633



BAXTER WOODMAN Consulting Engineers

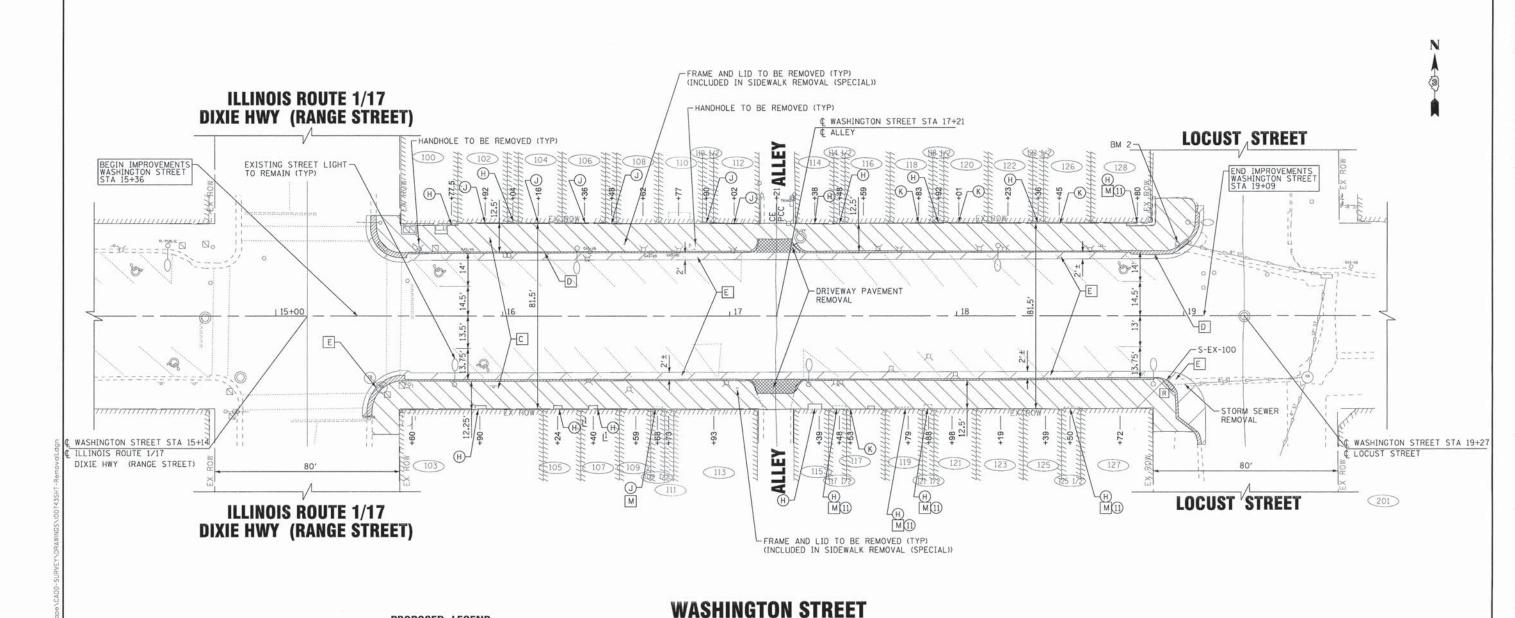
 DRAWN
 KAR
 REVISED - CITY REVIEW 6-29-15

 CHECKED
 TMS
 REVISED 

 DATE
 6/2/15
 FILE 100743SHT-TypSec.dgn

STATE OF ILLINOIS
DEPARTMENET OF TRANSPORTATION

SCALE: NONE



### EXISTING LEGEND

- (A) EXISTING SIDEWALK (THICKNESS VARIES, 8"±)
- EXISTING COMBINATION CURB AND GUTTER (WASHINGTON STREET APPEARS TO BE OVERLAID B-6.12) (IL 1/17 APPEARS TO BE B-6.24)
- SIDEWALK REMOVAL (SPECIAL)
- COMBINATION CURB AND GUTTER REMOVAL
- PAVEMENT REMOVAL
- EXISTING STREET LIGHT TO REMAIN
- EXISTING VAULTED SIDEWALK OR SUB-GRADE
- EXISTING HISTORIC STONE STEP TO REMAIN EXISTING CAST IRON SILL TO REMAIN
- EXISTING STEP TO REMAIN
- EXISTING FLUSH ENTRANCE
- EXISTING HALF STEP IS REMOVED (PAID FOR AS C )
- EXISTING PAVEMENT TO REMAIN
- EXISTING FRAME TO REMAIN
- ITEM TO BE REMOVED

### PROPOSED LEGEND

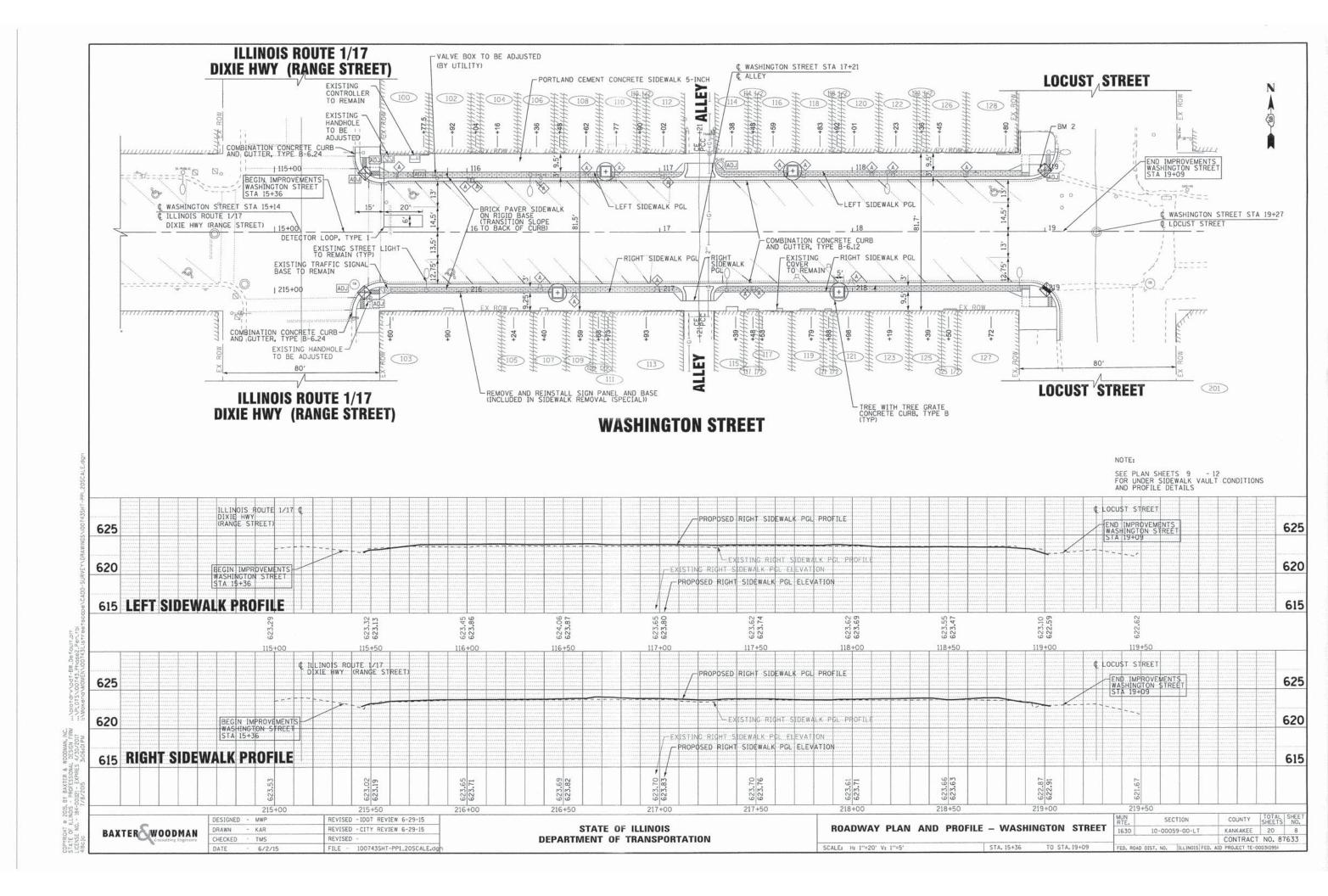
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (GUTTER FLAG SHALL MATCH EXISTING WITH 9" MIN.)
- INCIDENTAL HOT-MIX ASPHALT SURFACING (3" MIN.)
- PORTLAND CEMENT CONCRETE BASE COURSE 6 1/4" (THICKNESS TO BE ADJUSTED BASED ON EXISTING PAVEMENT THICKNESS)
- AGGREGATE BASE COURSE, TYPE B 4"
- FILLING EXISTING VAULT (INCLUDES EXPANDED POLYSTYRENE FILL) (AS DETERMINED BY THE ENGINEER)
- TREE WITH TREE GRATE
- BRICK PAVER SIDEWALK ON RIGID BASE
- HOT-MIX ASPHALT SETTING BED AND NOEPRENE ASPHALT ADHESIVE (INCLUDED IN (8))
- RIGID BASE PORTLAND CEMENT CONCRETE BASE 4 INCH (THICKENED EDGE) (INCLUDED IN (8) )
- (1) HALF STEP IS REPLACED (PAID FOR AS (1) )
- THERMOPLASTIC PAVEMENT MARKING LINE 4" WHITE
- THERMOPLASTIC PAVEMENT MARKING LINE 6" WHITE

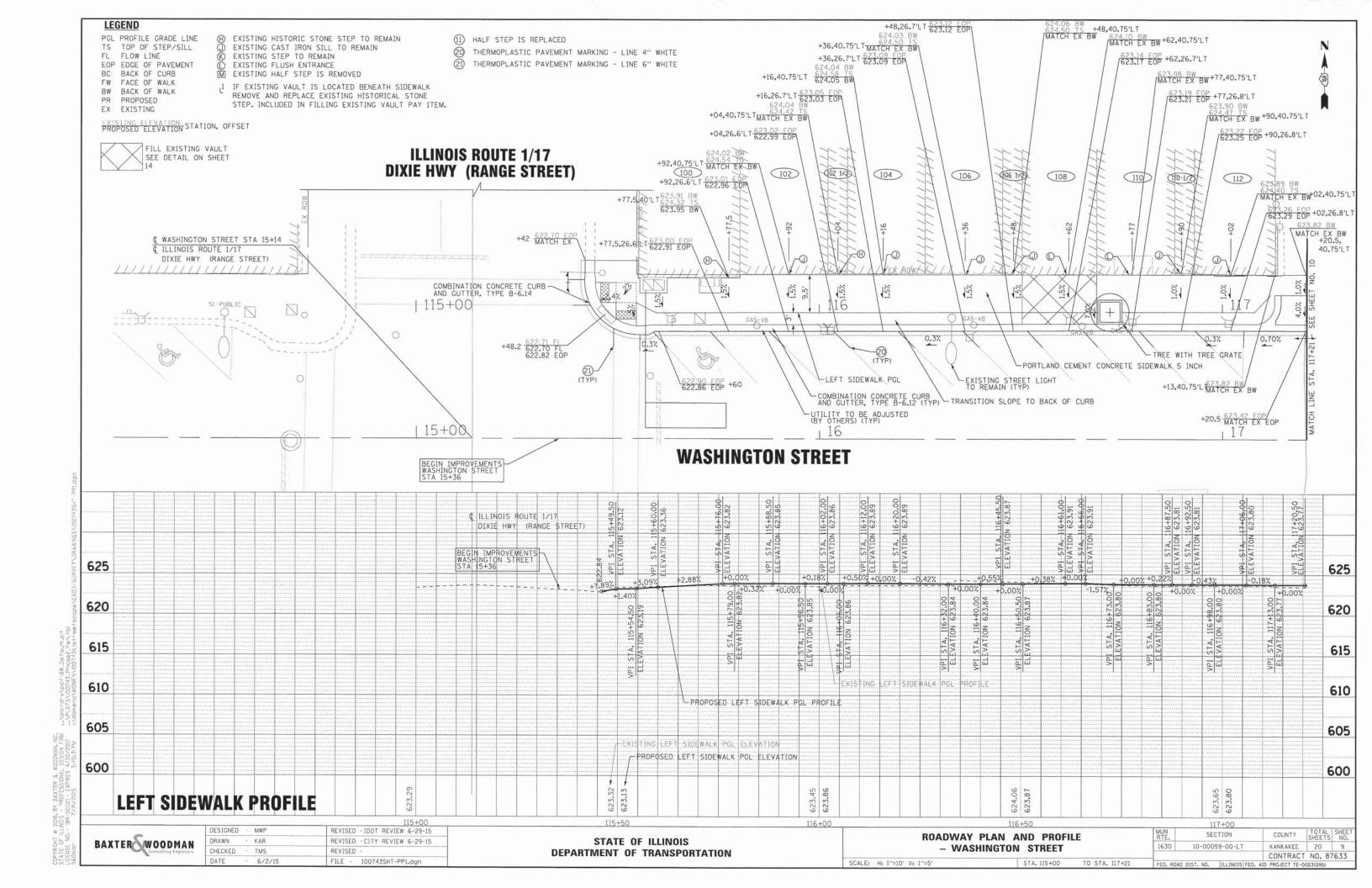
BAXTER	WOODMAN
--------	---------

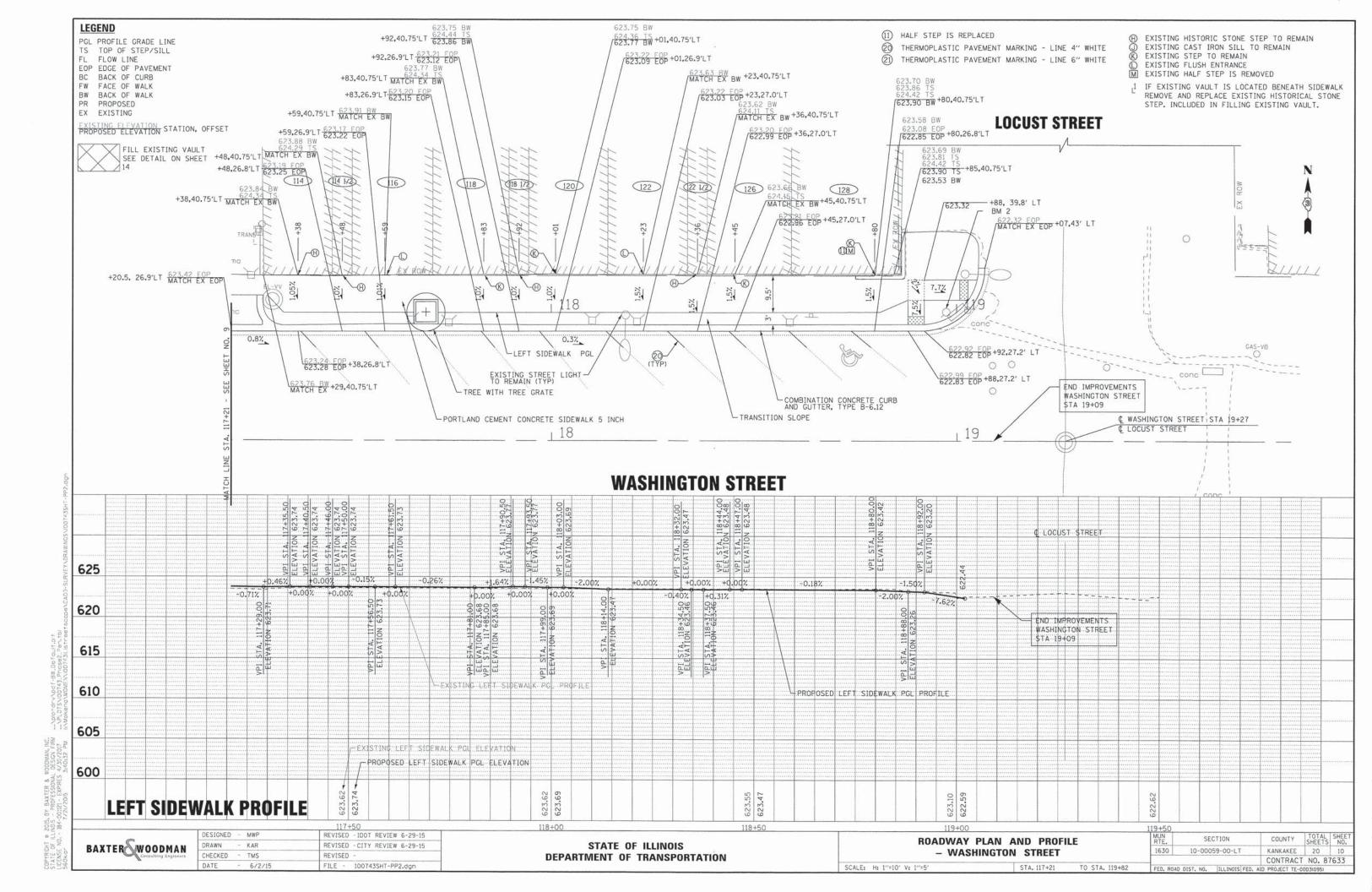
DESIGNED	+	MWP	REVISED - IDOT REVIEW 6-29-15
DRAWN	-	KAR	REVISED - CITY REVIEW 6-29-15
CHECKED	+	TMS	REVISED -
DATE	-	6/2/15	FILE - 100743SHT-Removall.dgn

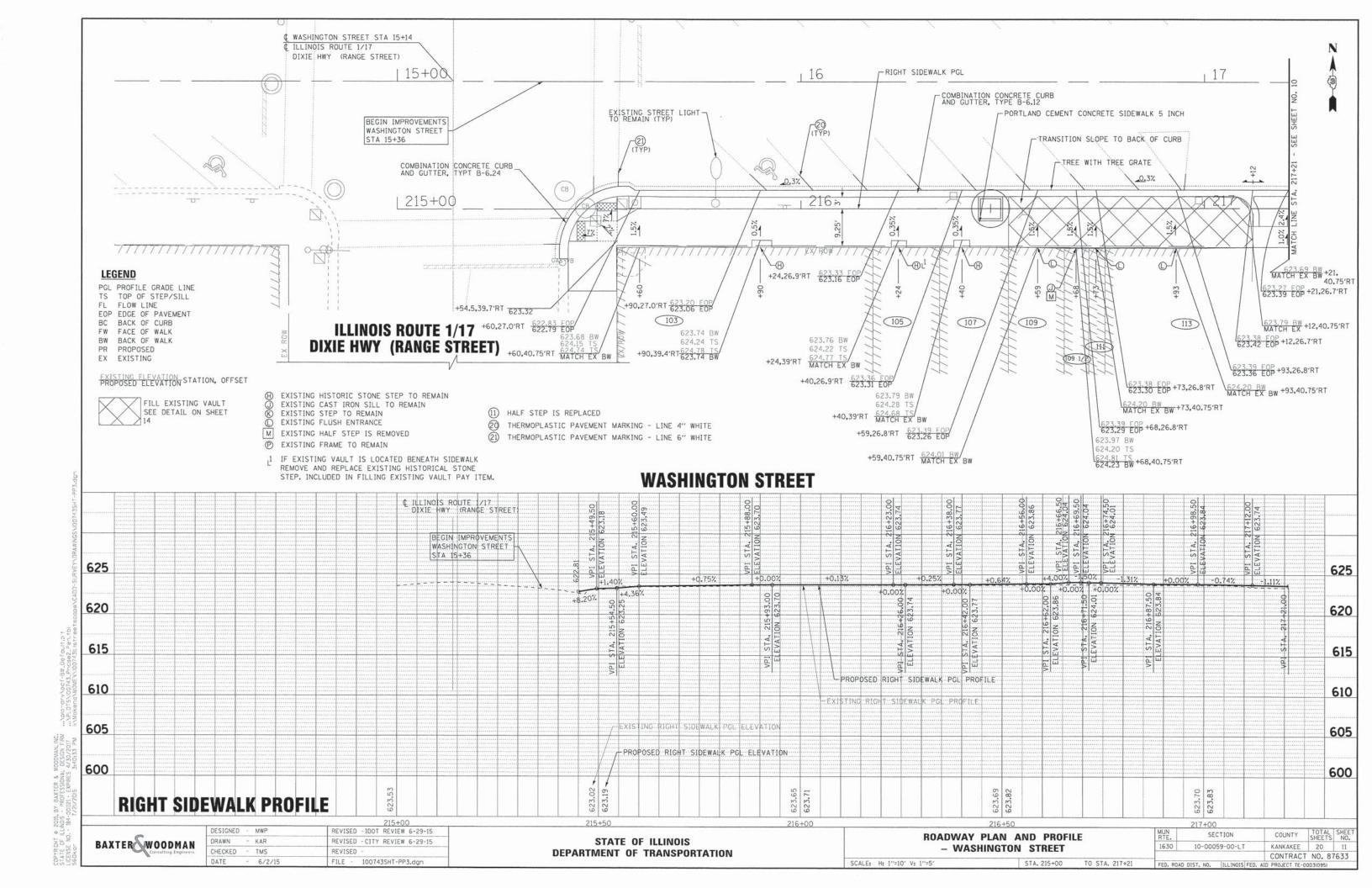
STATE OF ILLINOIS DEPARTMENET OF TRANSPORTATION

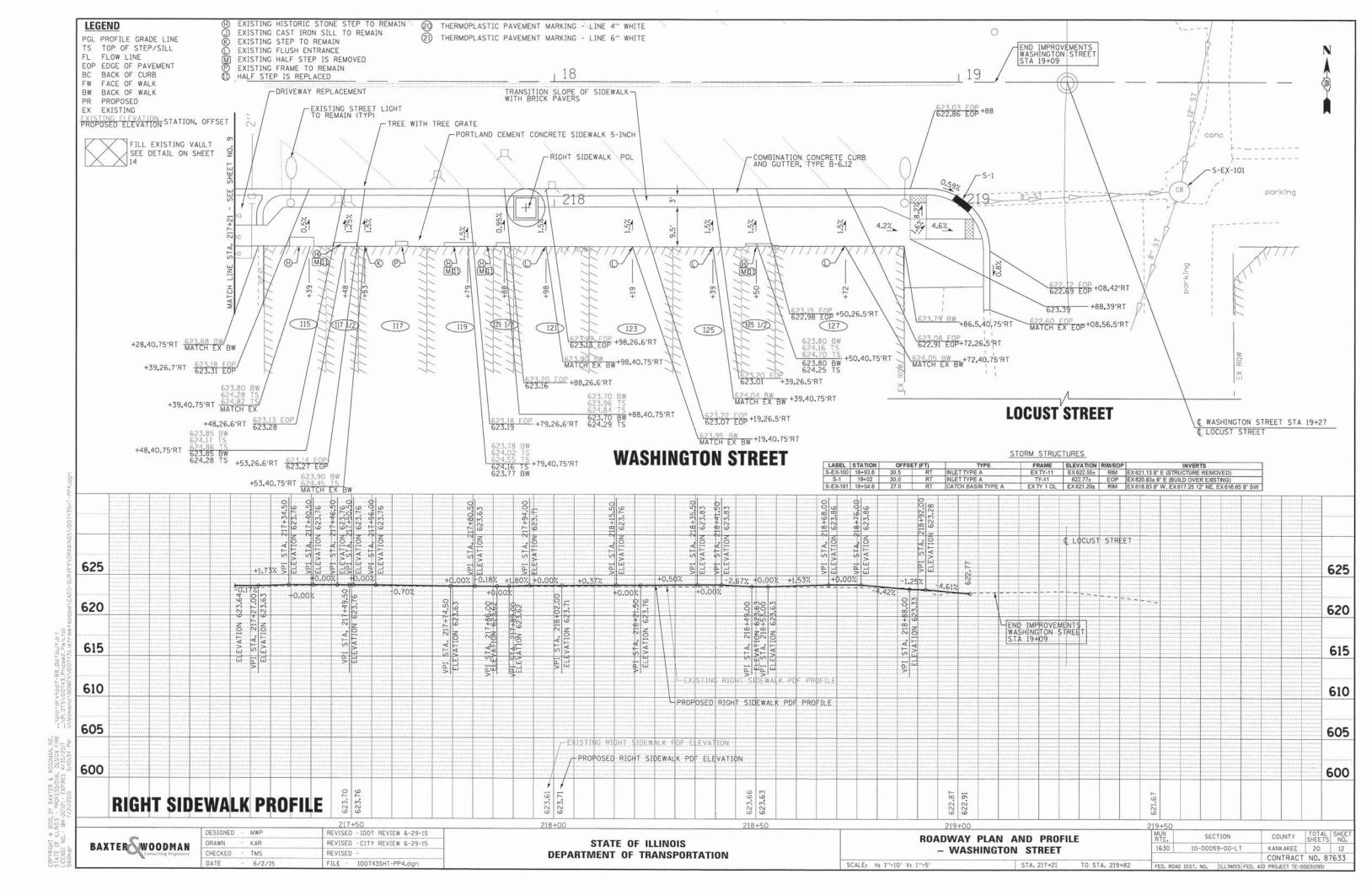
SECTION REMOVAL PLAN - WASHINGTON STREET KANKAKEE 20 1630 CONTRACT NO. 87633 STA, 15+00 TO STA. 19+50 SCALE: 1" = 20"

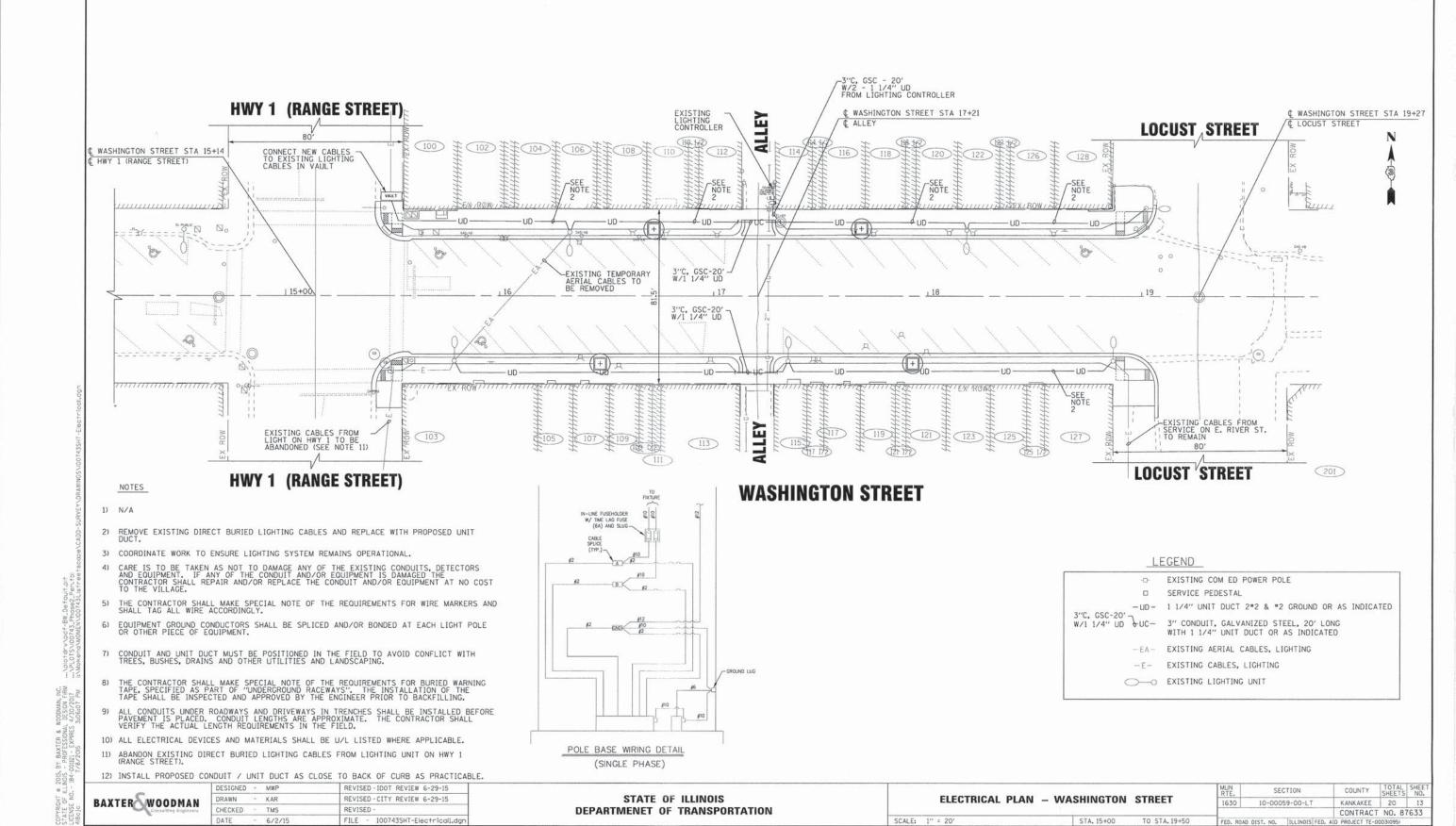










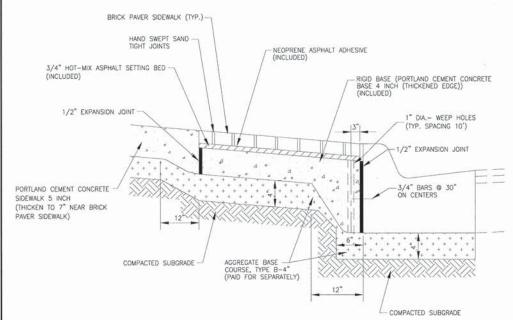


FILLING EXISTING VAULT

NOTES:

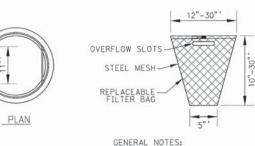
- 1. SEE PLAN SHEETS 9 -12 FOR PLAN DIMENSIONS.
- 2. TYPICAL FOR 2 LOCATIONS

108 WASHINGTON STREET 109, 109 1/2, 111 AND 113 WASHINGTON STREET



### BRICK PAVER SIDEWALK ON RIGID BASE DETAIL

NO SCALE



FRAME:

SECTION

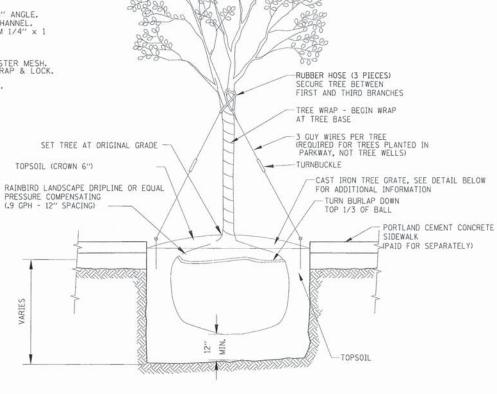
TOP RING CONSTRUCTED FROM 1 1/4" × 1 1/4" × 1/8" ANGLE.
BASE RING CONSTRUCTED OF 1 1/2" × 1/2" × 1/8" CHANNEL.
HANDLES & SUSPENSION BRACKETS CONSTRUCTED FROM 1/4" × 1
1/4" FLAT. ALL STEEL CONFORMING TO ASTM-A36.

REPLACEABLE BAG: CONSTRUCTED FROM 4 0Z./SO. YD. NON-WOVEN
POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH.
CONNECTED TO BASE RING WITH STAINLESS STEEL STRAP & LOCK.

REMOVABLE STAINLESS STEEL MESH STRAINER BASKET. 1/4" DIA. HOLE SIZE, 58% OPEN AREA. STEEL MESH:

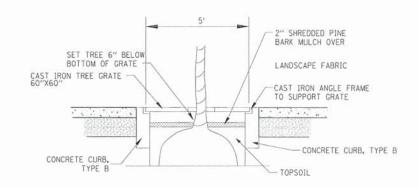
### INLET PROTECTION FILTER

NO SCALE



### TREE WELL PLANTING /TREE DRIPLINE

NO SCALE



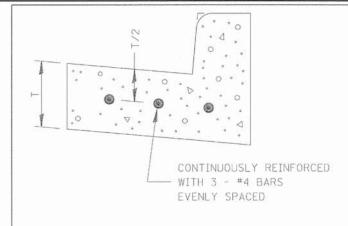
### CAST IRON TREE GRATE AND PLANTING DETAIL

BAXTER WOODMAN
----------------

DESIGNED	-	MWP	REVISED - IDOT REVIEW 6-29-15
DRAWN	-	KAR	REVISED - CITY REVIEW 6-29-15
CHECKED	-	TMS	REVISED -
DATE	-	6/2/15	FILE - 100743SHT-Details.dgn

STATE OF ILLINOIS **DEPARTMENET OF TRANSPORTATION** 

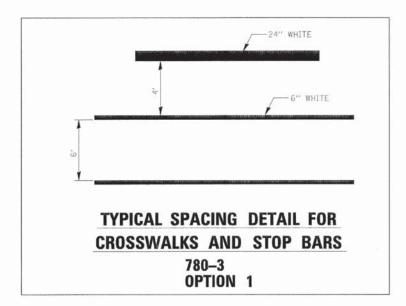
2222	CELLANEOUS DETAIL	_	MUN RTE.	SECTION	COUNTY	TOTAL	SHEET NO.	
MIS	1630	10-00059-00-LT	KANKAKEE	20	14			
					CONTRACT	NO. 8	7633	
SCALE: NONE	STA.	TO STA.	FED. ROAD	DIST. NO. ILLINOIS FED.	AID PROJECT TE-C	0003(095)		

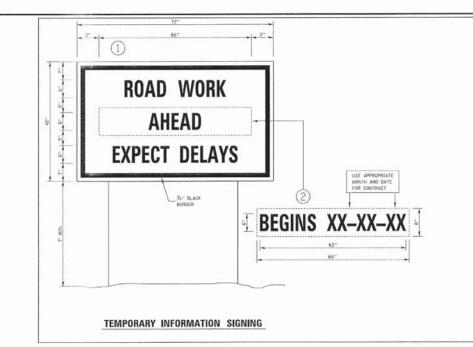


REINFORCEMENT SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CC&C.

# REINFORCEMENT DETAIL **FOR COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24**

606 - 7





### NOTES:

- 1. USE 6" D BLACK LETTERING ON FLOURESENT GRANGE BACKGROUND.
- 2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
- ERECT SIGN WITH INSTALLED PANEL (2) A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
- 4. REMOVE PANEL (2) ON THAT DATE.
- 5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
- 6. WILL BE PAID FOR PER SO FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL (2) WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

720-8

CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 606 OF THE STANDARD SPECIFICATIONS, SUPPLIMENTAL SPECIFICATIONS, STANDARD 606001 AND THIS DRAWING.

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. A HOLE 11/2" IN DIA. AND 9" DEEP SHALL BE DRILLED IN THE EXISTING CONCRETE CURB AS SHOWN. A 11/2"x18" SMOOTH DOWEL BAR SHALL BE GROUTED IN THE HOLE LONGITUDINALLY.

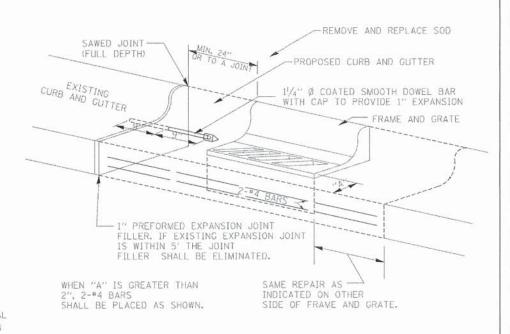
JOINTS OF A TYPE SIMILAR TO THAT IN THE UNDERLYING PAVEMENT (EXPANSION OR CONTRACTION) SHALL BE INSTALLED IN THE CONCRETE CURB IN ALIGNMENT WITH THE JOINTS IN THE PAVEMENT.

THE PROPOSED CONFIGURATION OF THE CURB AND GUTTER SHALL MATCH THE REMOVED.

THE LOCATION OF THE DOWEL BAR SHALL BE DETERMINED BY THE ENGINEER.

ALL EXISTING TIE BARS IN EDGE OF PAVEMENT SLAB THRU REPLACEMENT AREA SHALL BE CUT OFF.

THE WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS AND INCLUDES THE REMOVAL AND REPLACEMENT OF SOD, CONCRETE PAVEMENT AND/OR CURB AND GUTTER ADJACENT TO CATCH BASINS OR INLETS TO BE ADJUSTED OR RECONSTRUCTED AND SHALL BE INCLUDED IN THE PAY ITEM OF CATCH BASINS OR INLETS TO BE ADJUSTED OR RECONSTRUCTED AS SPECIFIED.



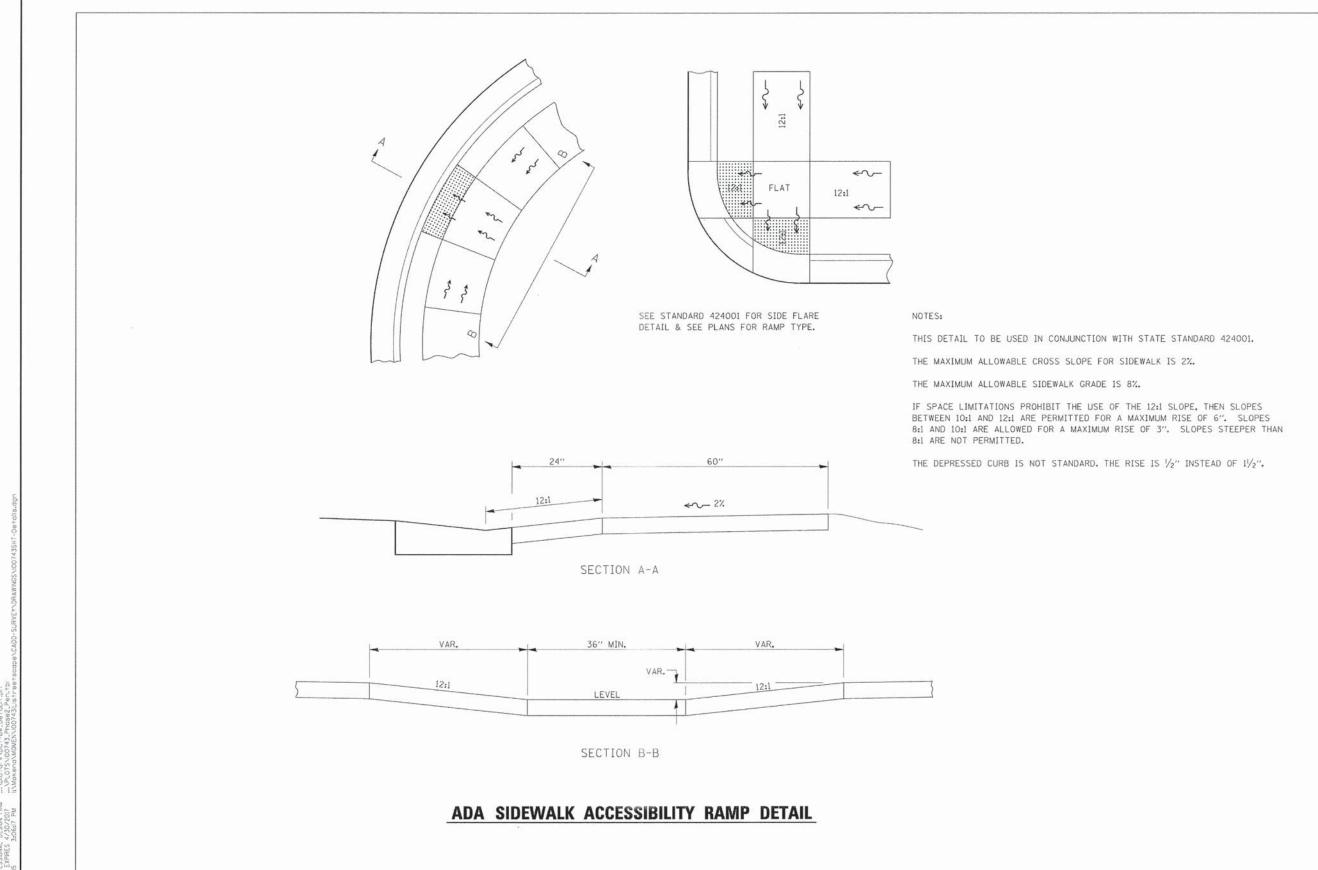
## **DETAILS FOR CURB & GUTTER REPLACEMENT** CATCH BASIN OR INLETS TO BE 606-10 ADJUSTED OR RECONSTRUCTED

DESIGNED - MWP REVISED - IDOT REVIEW 6-29-15 DRAWN - KAR REVISED - CITY REVIEW 6-29-15 REVISED -CHECKED - TMS 6/2/15 FILE - 100743SHT-Details.dgn

STATE OF ILLINOIS DEPARTMENET OF TRANSPORTATION **IDOT DISTRICT 3 DETAILS** 

COUNTY TOTAL SHEE SECTION 10-00059-00-LT KANKAKEE 20 1630 CONTRACT NO. 87633

BAXTER WOODMAN



424-29

COUNTY TOTAL SHEETS NO.

KANKAKEE 20 16 DESIGNED - MWP REVISED - IDOT REVIEW 6-29-15 SECTION BAXTER WOODMAN DRAWN - KAR REVISED - CITY REVIEW 6-29-15 STATE OF ILLINOIS **IDOT DISTRICT 3 DETAILS** 1630 10-00059-00-LT **DEPARTMENET OF TRANSPORTATION** CHECKED TMS REVISED -CONTRACT NO. 87633 STA. TO STA. 6/2/15 FILE - 100743SHT-Details.dgn SCALE: NONE

