

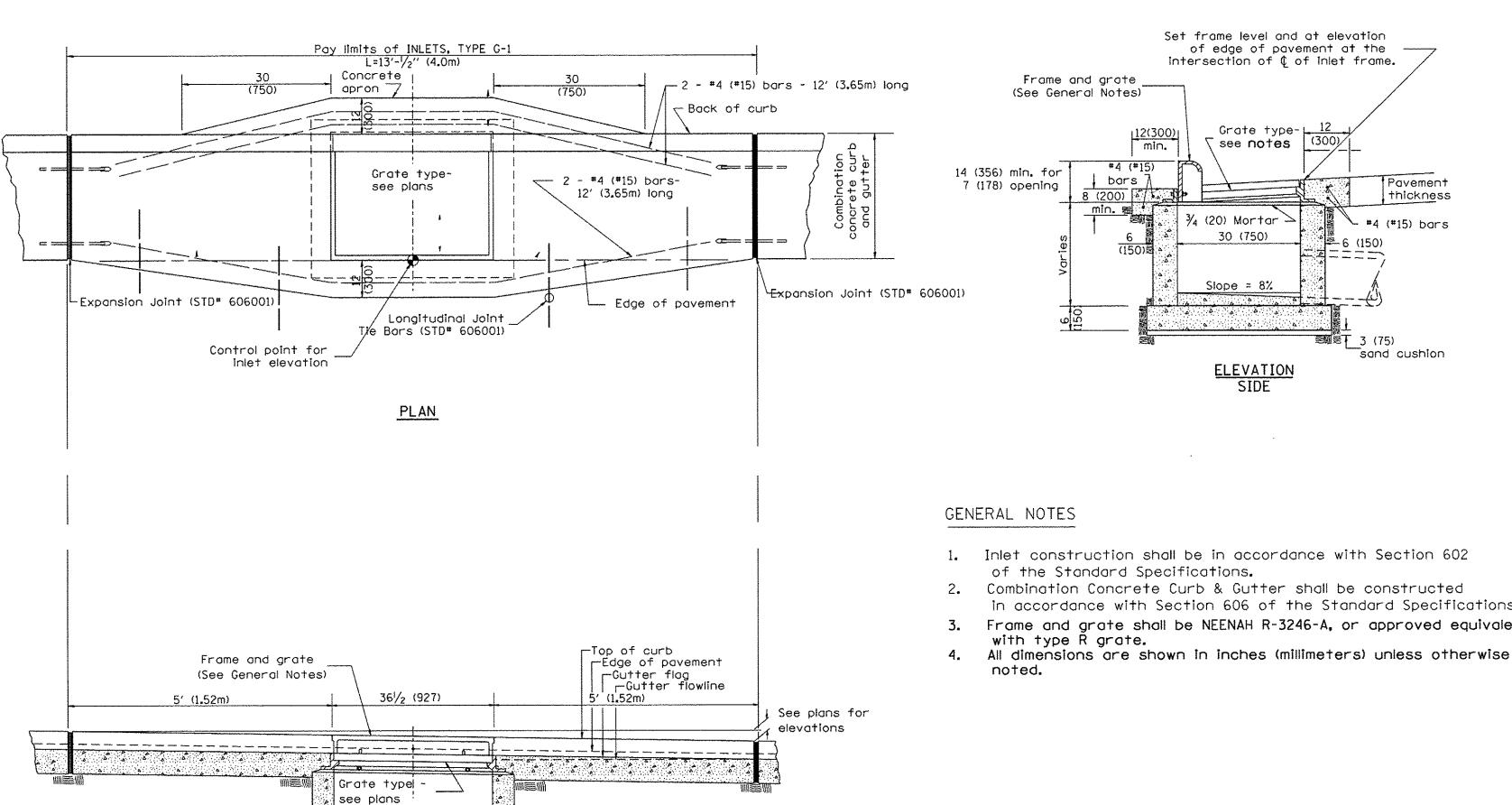
ADJACENT TO FULL DEPTH PCC PAVEMENT

ADJACENT TO EXISTING PAVEMENT TO REMAIN

#### NOTES:

- 1. PIPE UNDERDRAINS SHALL BE CONSTRUCTED TO MATCH THE EDGE OF PAVEMENT PROFILE AND SHALL CONNECT TO EACH INLET AND MANHOLE WITH NON-SHRINK GROUT. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
- 2. STORM SEWER STRUCTURES SHALL HAVE 8" PRECAST OPENINGS FOR PIPE UNDERDRAIN CONNECTIONS.

## PIPE UNDERDRAINS, TYPE 1, 6"



## INLETS, TY G-1 DETAIL

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ELEVATION FRONT

6 (150) —

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. RTE. SECTION PROJECT 1 - GREEN STREET 15-00304-01-PV DRAINAGE DETAILS MCORE PROJECT 1 SHEET NO. OF SHEETS STA. TO STA. JOB NO. C-95-305-16 | ILLINOIS | FED. AID PROJECT TIG-5181(057)

COUNTY

CHAMPAIGN 236 171

CONTRACT NO. 91539

PRECAST REINFORCED - CONCRETE ADJUSTING RINGS 4" MIN. TO 6" MAX. CONCRETE FLAT SLAB TOP (STANDARD 602406) -MANHOLE, TYPE A, 5' DIA. STANDARD 602401 5'-0" DIA. EXISTING WATER MAIN -. CLEARANCE TRENCH BACKFILL SEAL OPENING IN MANHOLE AROUND WATER MAIN TO PREVENT LEAKAGE AS DIRECTED BY THE ENGINEER PROPOSED 18" (TYP.) STORM SEWER NOTE
NO CONCRETE FILLET SHALL
BE CONSTRUCTED IN THE MANHOLE. ~6" COMPACTED BEDDING CA-6, CA-7 OR CA-11

PROPOSED TYPE 1-FRAME AND CLOSED

MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID

SCALE: N/A

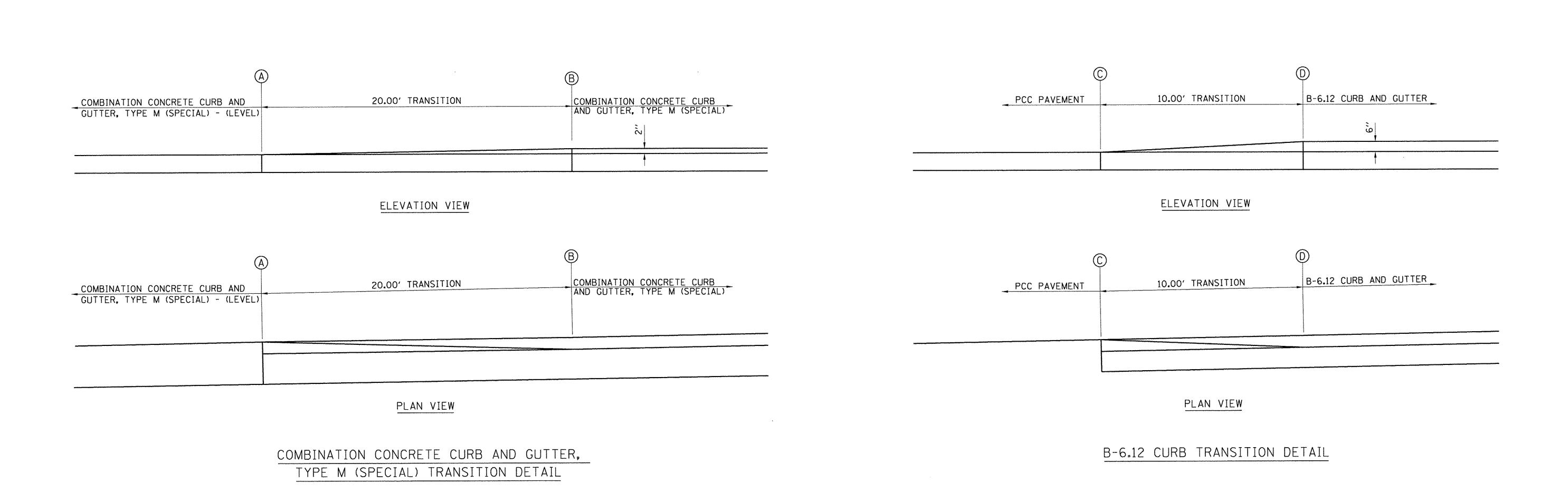
2. Combination Concrete Curb & Gutter shall be constructed in accordance with Section 606 of the Standard Specifications.

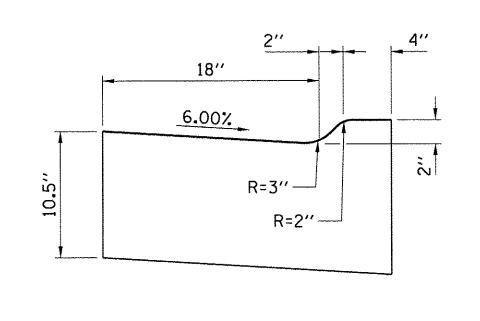
- #4 (#15) bars

sand cushion

3. Frame and grate shall be NEENAH R-3246-A, or approved equivalent,







COMBINATION CONCRETE CURB AND GUTTER, TYPE M (SPECIAL) (EQUIVALENT TO M-2.18)

SECTION A-A

2.00%

SECTION B-B

COMBINATION CONCRETE CURB AND GUTTER, TYPE M (SPECIAL) - (LEVEL)

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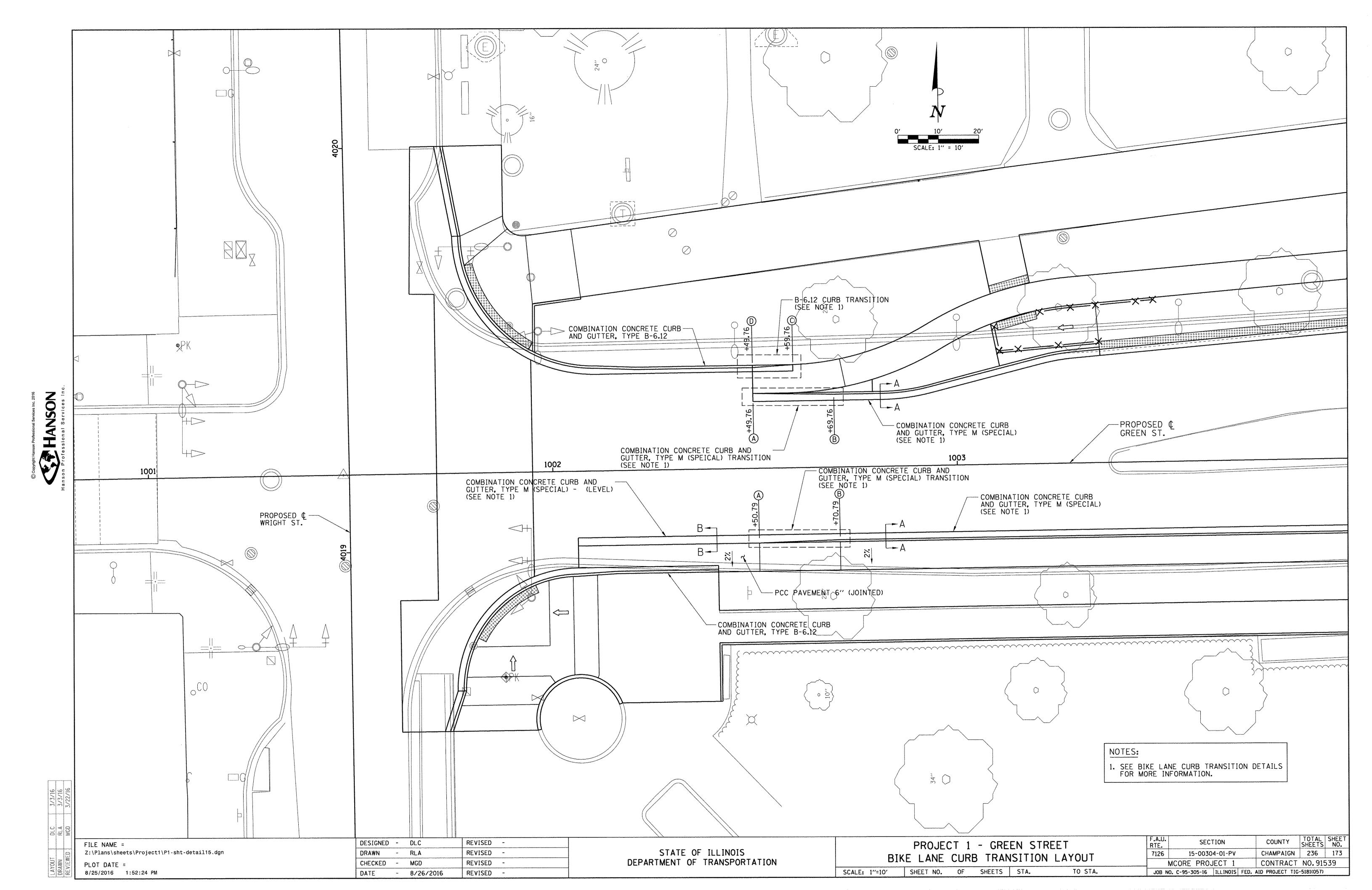
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PROJECT 1 - GREEN STREET
BIKE LANE CURB TRANSITION DETAILS

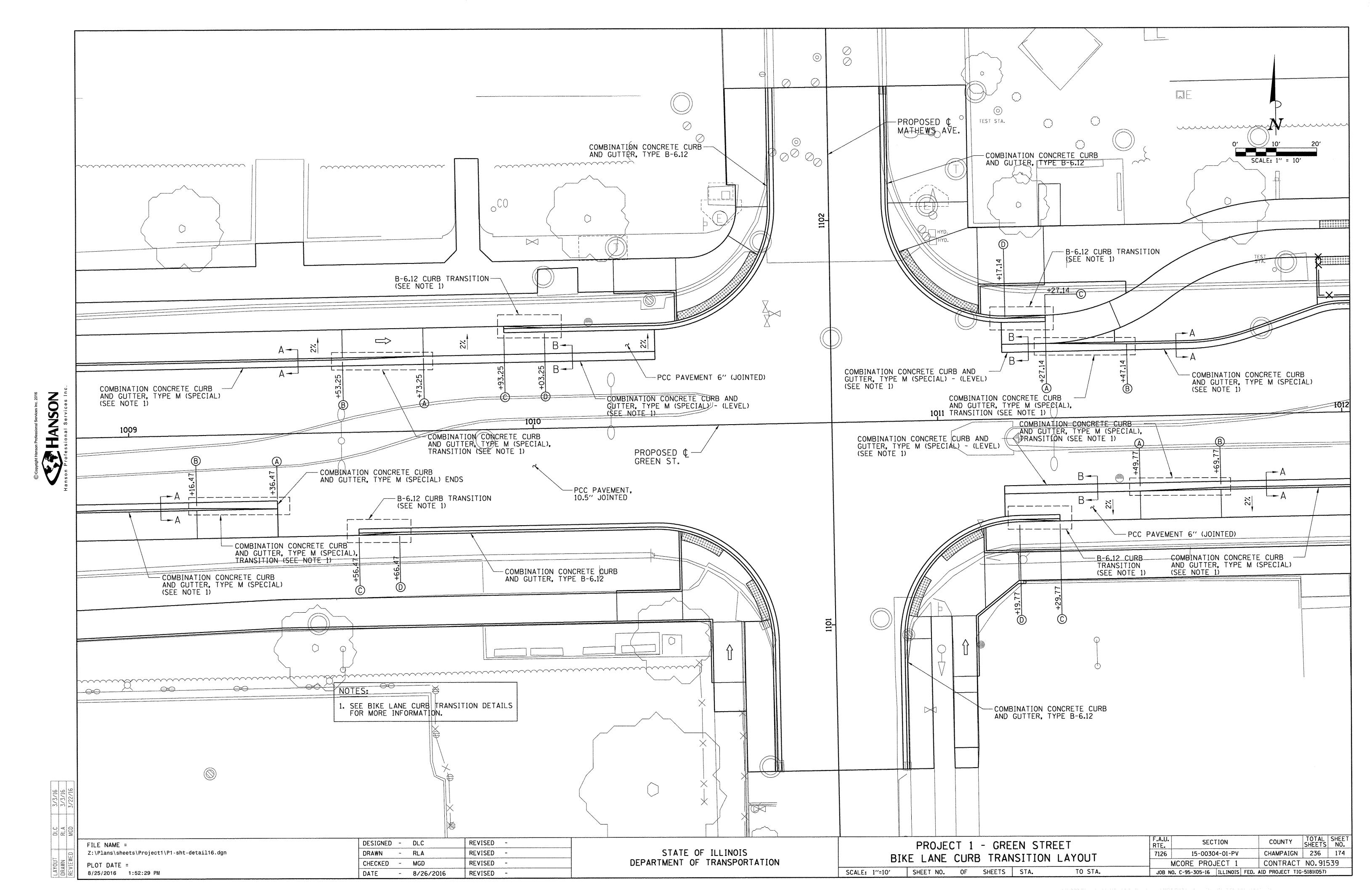
SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

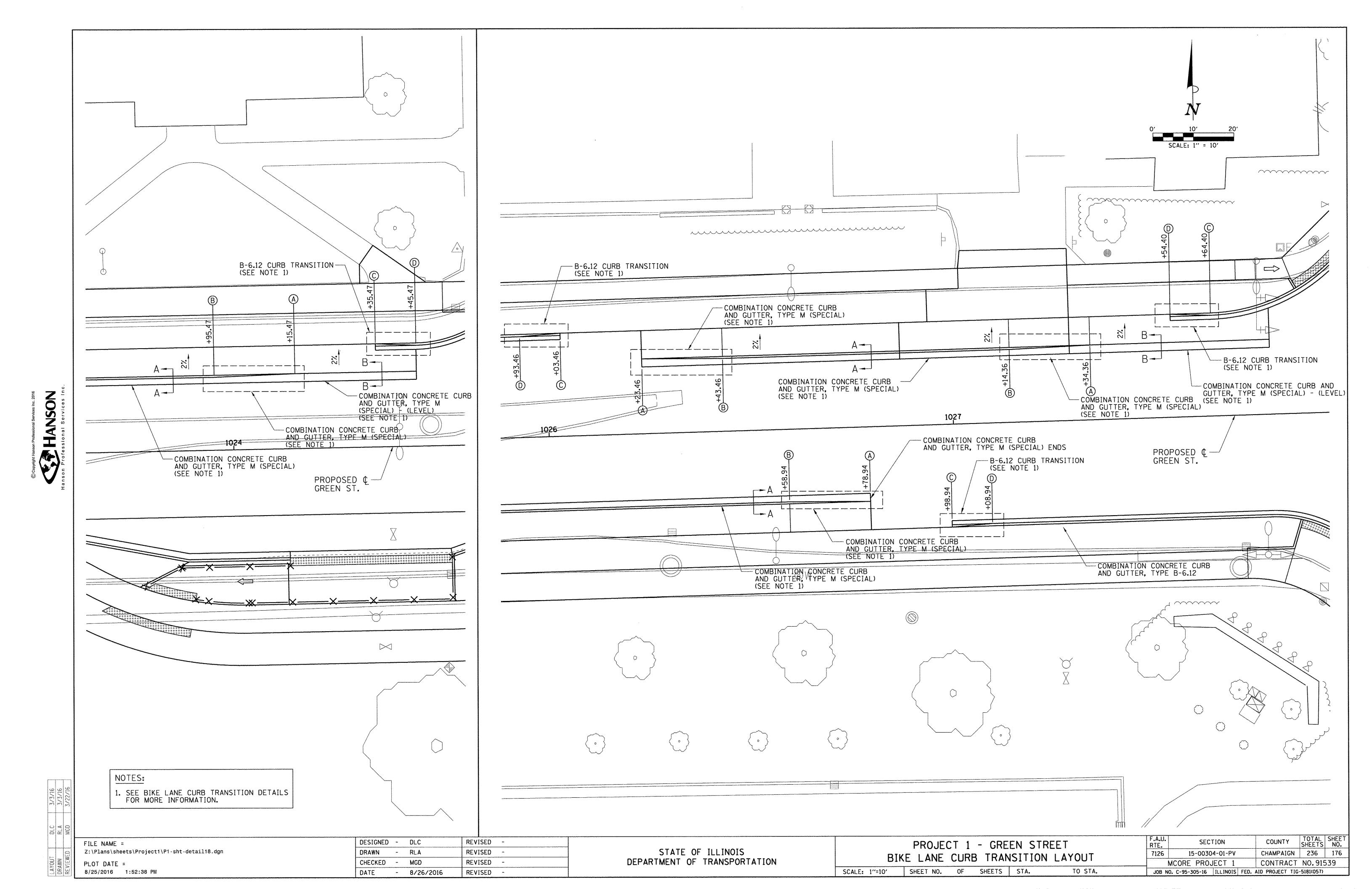
F.A.U. RTE. SECTION COUNTY TOTAL SHEET NO. 7126 15-00304-01-PV CHAMPAIGN 236 172

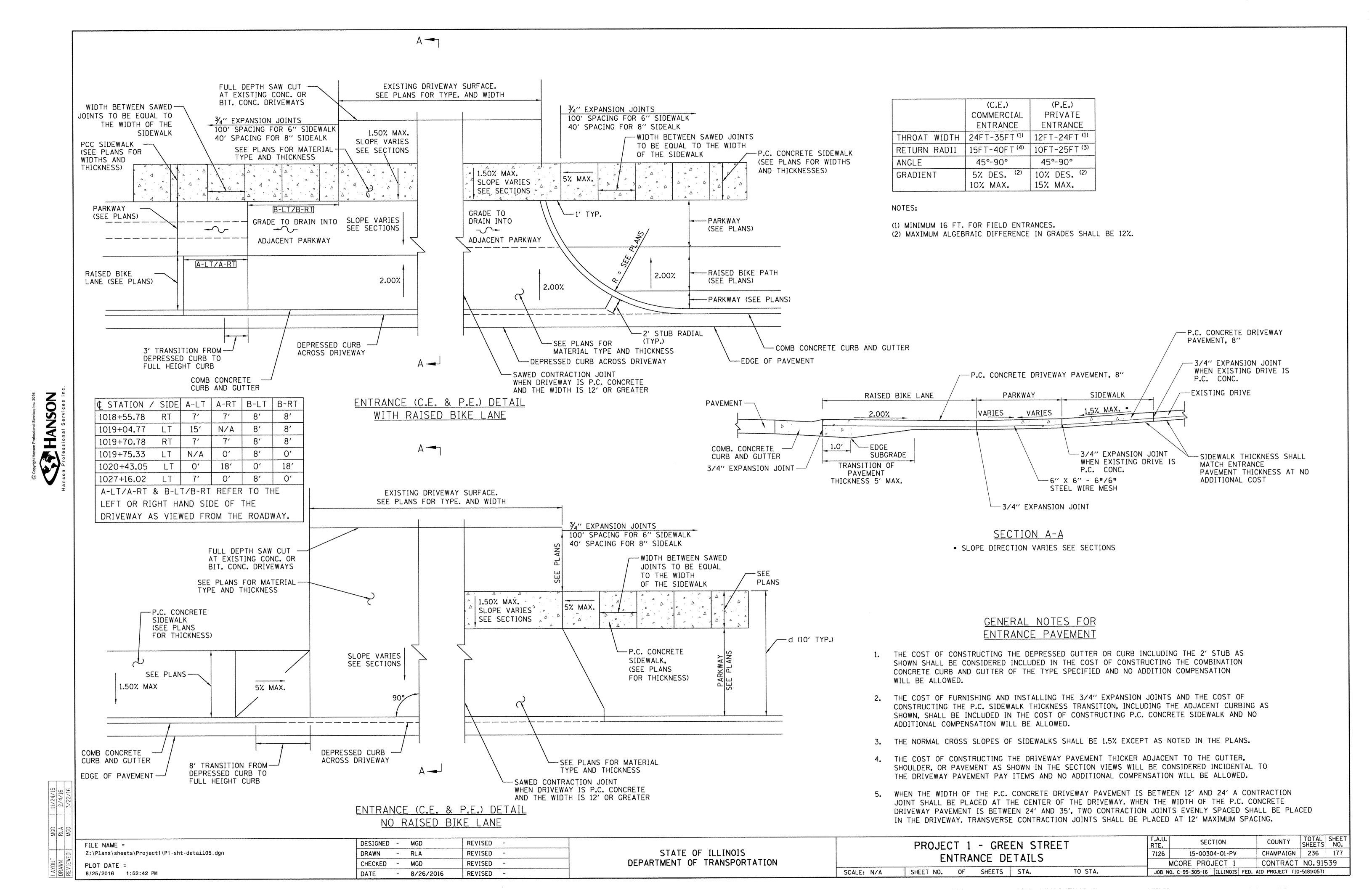
MCORE PROJECT 1 CONTRACT NO. 91539

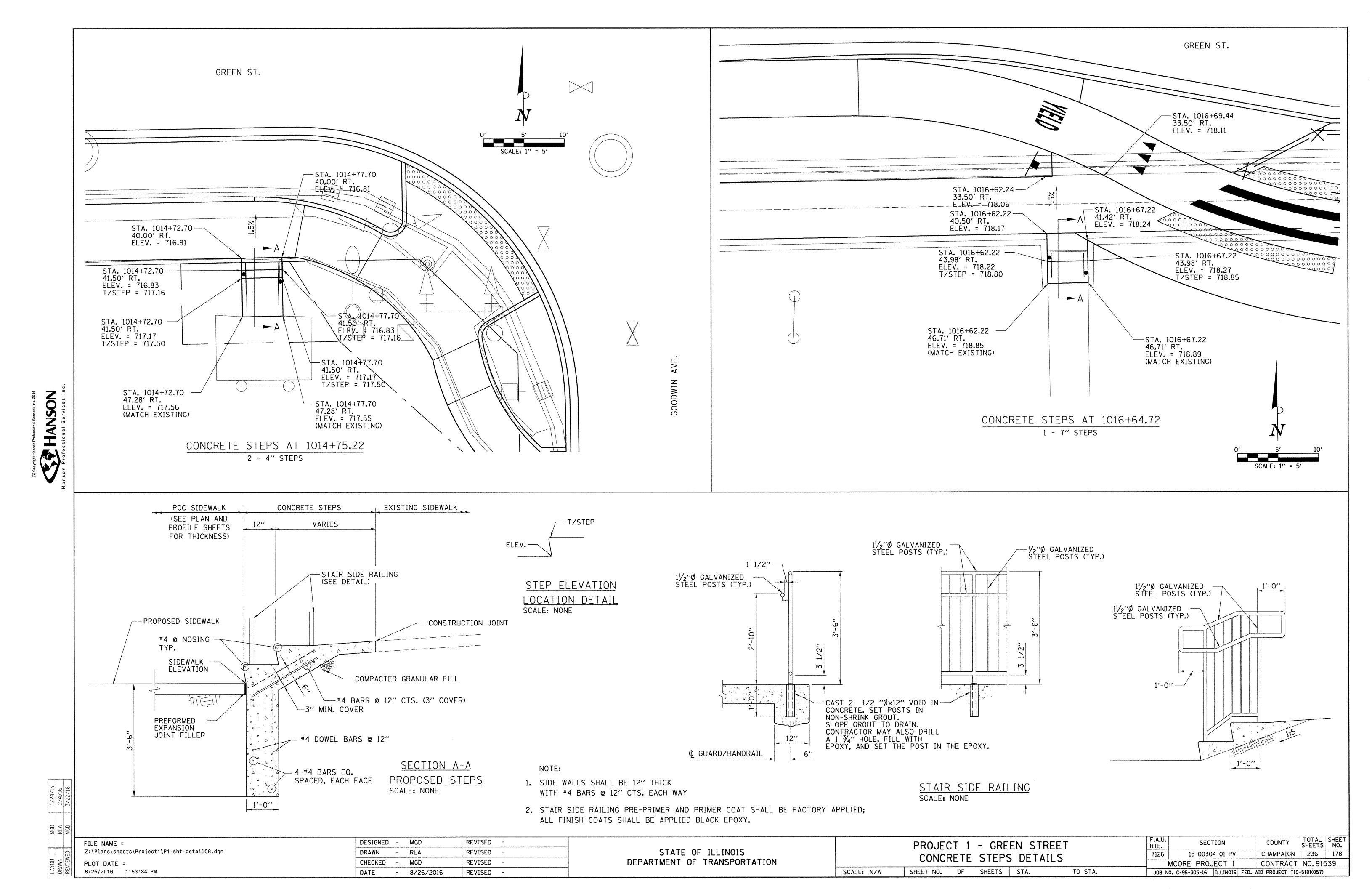
JOB NO. C-95-305-16 ILLINOIS FED. AID PROJECT TIG-5181(057)

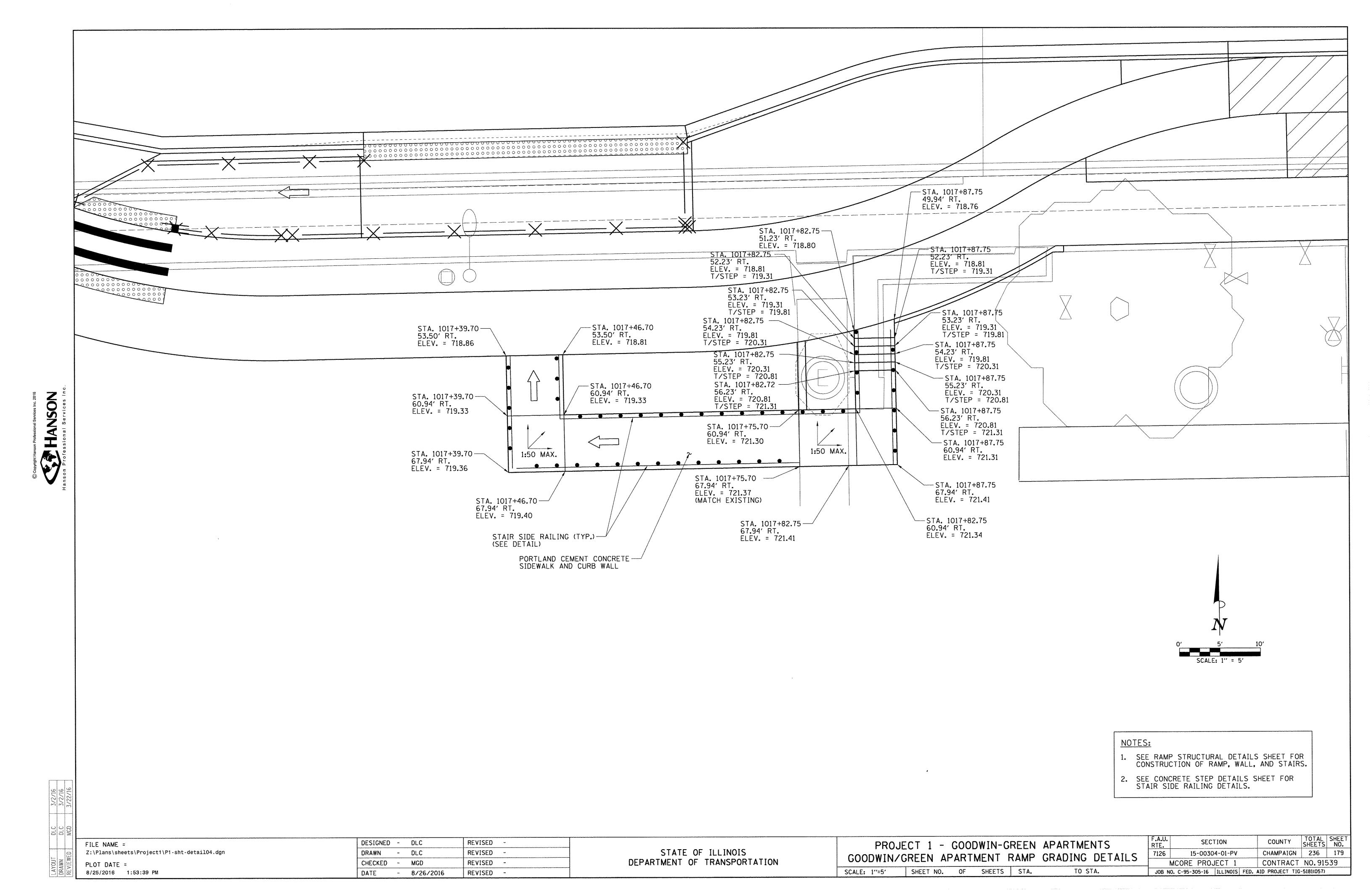


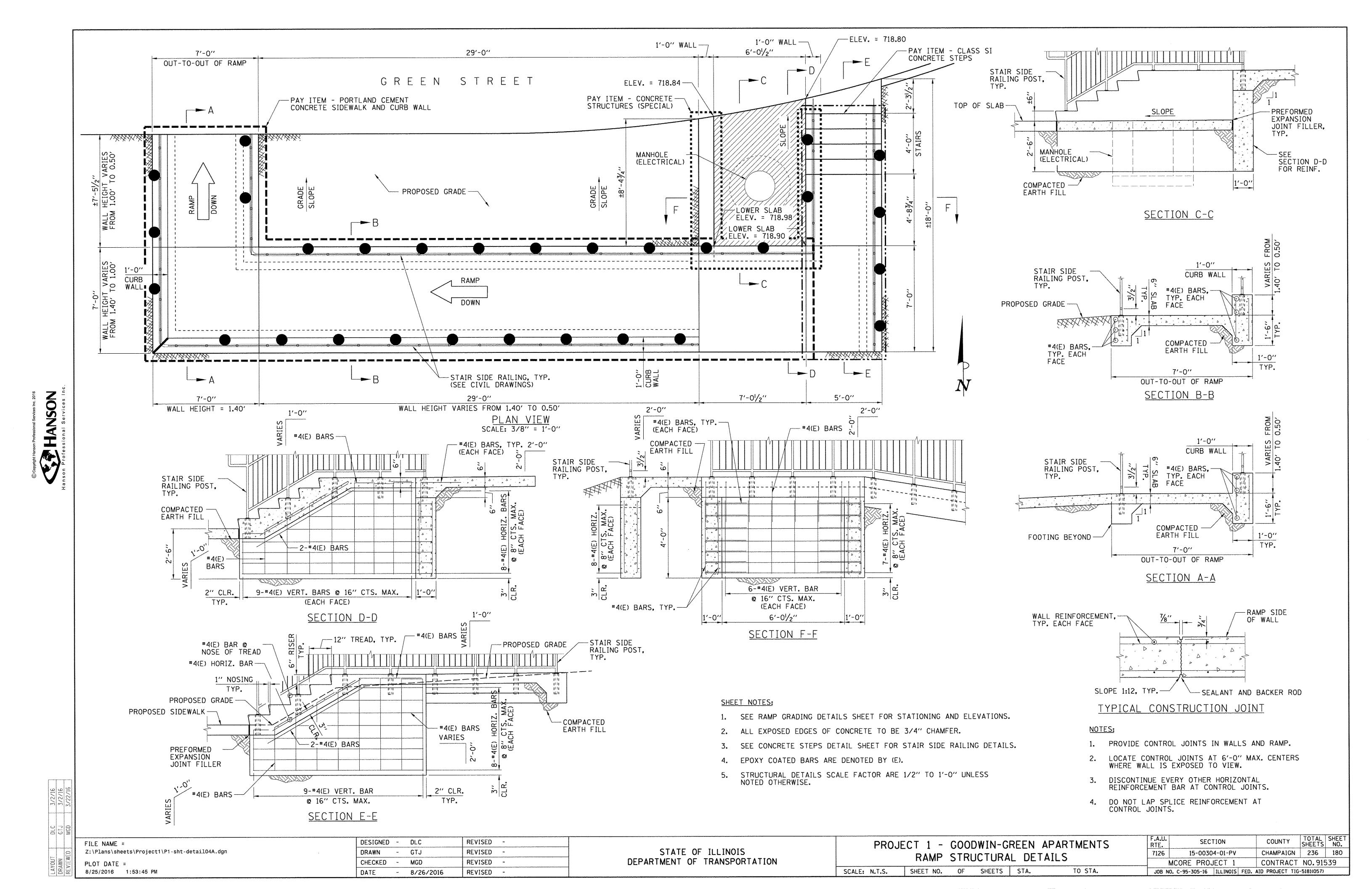












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FOLD DOWN BOLLARDS DETAIL

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROJECT 1 - GREEN STREET SIDEWALK DETAILS SHEET NO. OF SHEETS STA.

COUNTY TOTAL SHEET NO. SECTION CHAMPAIGN 236 181 15-00304-01-PV MCORE PROJECT 1 JOB NO. C-95-305-16 | ILLINOIS | FED. AID PROJECT TIG-5181(057)

SCALE: N/A

TO STA.

CONTRACT NO.91539

#### **SPECIFICATIONS**

- Cast components will be of 100% recycled aluminum; ASTM B261.
- Castings will be squared and flat, free of burrs, slag, air pockets, blow holes, flashing, and grinding or welding on exposed surfaces. Excessive warping or shrinkage is not acceptable.
- Fabricated components will be of structural aluminum, 6061 - T6.
- All visible welds to be ground smooth on outside edges.
- Fabrication will be true to square, or diameter and sized within 1/8".
- Finish to be powder coat, standard UA color and applied per UA specifications. If alternate color or finish is required, please provide all finish information for UA approval.
- Dimensions shown are nominal.
- For cases of "or equal" consideration, our finished, full size product should be compared with the alternative product for general quality, surface finisih, precise pattern work, metal characteristics, and overall design aesthetics.
- Color shall be semi-gloss black.

## Bollard

## San Francisco Cast In

Page: 1 of 1 Date: 2/7/13



465 E. FIFTEENTH ST. sales@urbanaccessories.com TACOMA, WA 98421 www.urbanaccessories.com (877) 487-0488

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PROJECT 1 - GREEN STREET BOLLARD DETAILS TO STA.

SECTION 15-00304-01-PV MCORE PROJECT 1

COUNTY CHAMPAIGN 236 CONTRACT NO. 91539

SHEET NO. OF SHEETS STA. SCALE: N/A

JOB NO. C-95-305-16 | ILLINOIS | FED. AID PROJECT TIG-5181(057)

## **SPECIFICATIONS**

- Weld shall be smooth finished.
- Eyelet material shall be per manufacturer specifications.

# Bollard

Bollard with Eyelet

Page: 1 of 1 Date: 7/15/13



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HANSON Services Inc.

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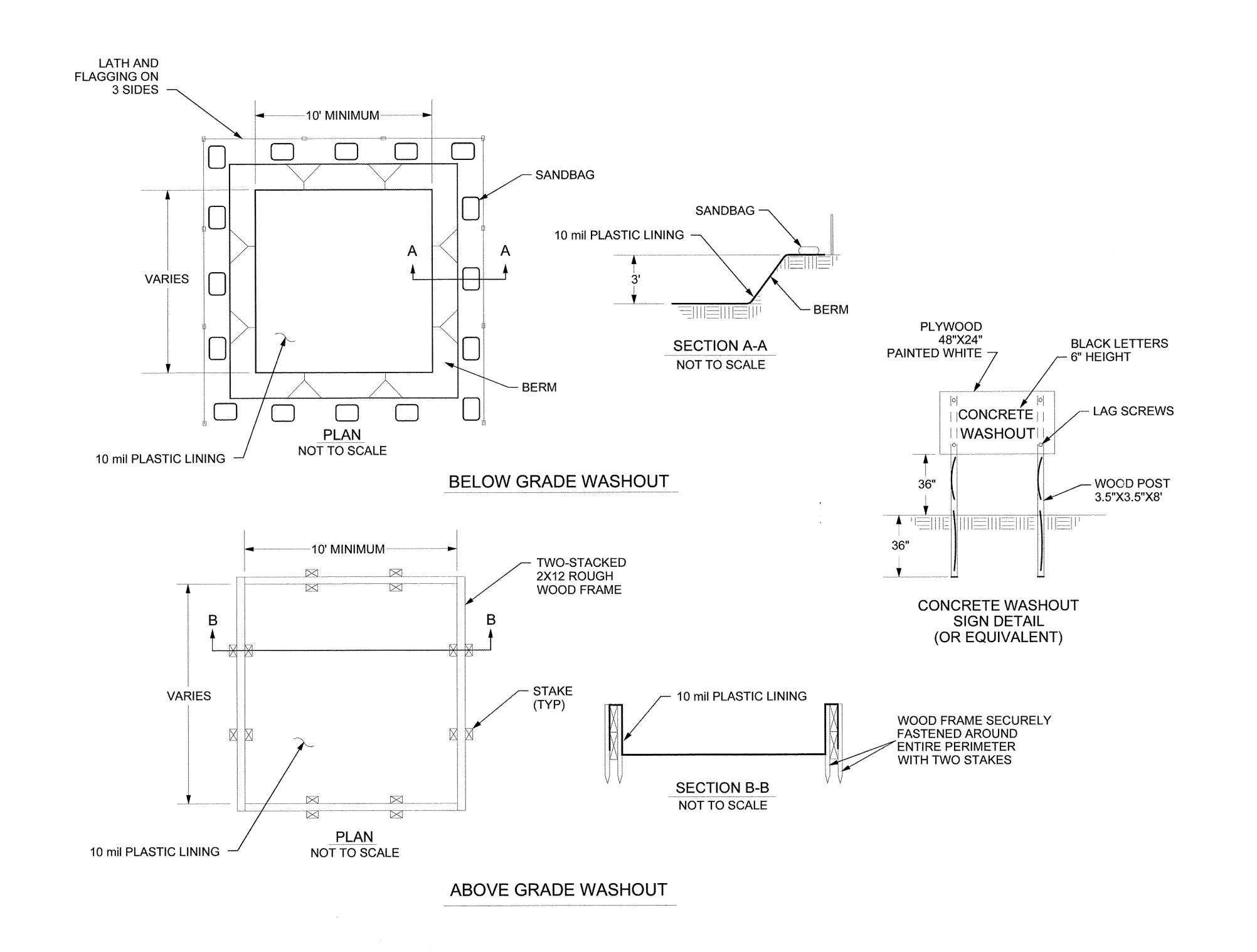
PROJECT 1 - GREEN STREET BOLLARD DETAILS SHEET NO. OF SHEETS STA. TO STA.

SCALE: N/A

COUNTY TOTAL SHEET NO. 15-00304-01-PV CHAMPAIGN 236 183 MCORE PROJECT 1 CONTRACT NO. 91539 JOB NO. C-95-305-16 | ILLINOIS | FED. AID PROJECT TIG-5181(057)

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION





#### CONCRETE WASHOUT FACILITIES NOTES

#### GENERAL

- 1. PCC AND AC WASTES SHALL BE COLLECTED AND DISPOSED OF OR PLACED IN A CONCRETE WASHOUT FACILITY. NO PCC OR AC WASTES SHALL ENTER THE STORM SEWER SYSTEM OR WATERCOURSE.
- 2. SIGN SHALL BE INSTALLED ADJACENT TO EACH FACILITY TO INFORM CONCRETE EQUIPMENT OPERATORS TO UTILIZE PROPER FACILITIES.
- 3. BELOW GRADE FACILITIES ARE TYPICAL. ABOVE GRADE FACILITIES ARE UTILIZED IF EXCAVATION IS NOT PRACTICAL.
- 4. WASHOUT FACILITIES SHALL HAVE SUFFICIENT VOLUME TO CONTAIN ALL LIQUID AND WASTE CONCRETE MATERIALS GENERATED BY WASHOUT AND CONSTRUCTION ACTIVITIES.
- 5. ONCE CONCRETE WASTES ARE DISCHARGED TO FACILITY AND ALLOWED TO HARDEN, THE CONCRETE WASTE SHOULD BE BROKEN UP AND DISPOSED OF IN ACCORDANCE WITH STATE AND LOCAL LAW.
- 6. PLASTIC LINING SHALL BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPRISE THE IMPERMEABILITY OF THE MATERIAL.
- 7. A MINIMUM FREEBOARD 12-INCHES IS REQUIRED FOR BELOW GRADE FACILITIES AND A MINIMUM OF 4-INCHES FREEBOARD IS REQUIRED FOR ABOVE GRADE FACILITIES.

#### REMOVAL

- 8. WHEN FACILITIES ARE NO LONGER REQUIRED FOR CONSTRUCTION WORK, THE MATERIALS USED TO CONSTRUCT THE FACILITY SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH THE STATE AND LOCAL LAW.
- 9. HOLES, DEPRESSIONS OR OTHER GRAOUND DISTURBANCE CAUSED BY REMOVAL OF THE FACILITY SHALL BE BACKFILLED AND RESTORED TO ITS PRE-EXISTING CONDITION OR INTENDED USE.

#### MAINTENANCE

- 10. FACILITIES MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED ONCE THE WASHOUT IS 75% FULL.
- 11. REMOVE AND DISPOSE OF HARDENED CONCRETE MATERIALS TO RETURN FACILITIES TO A FUNCTIONAL CONDITION.
- 12. INSPECT WASHOUT FACILITY ON A WEEKLY BASIS.

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PROJECT 1 - GREEN STREET

CONCRETE WASHOUT DETAIL

SHEET NO. OF SHEETS STA. TO STA.

SCALE: N/A

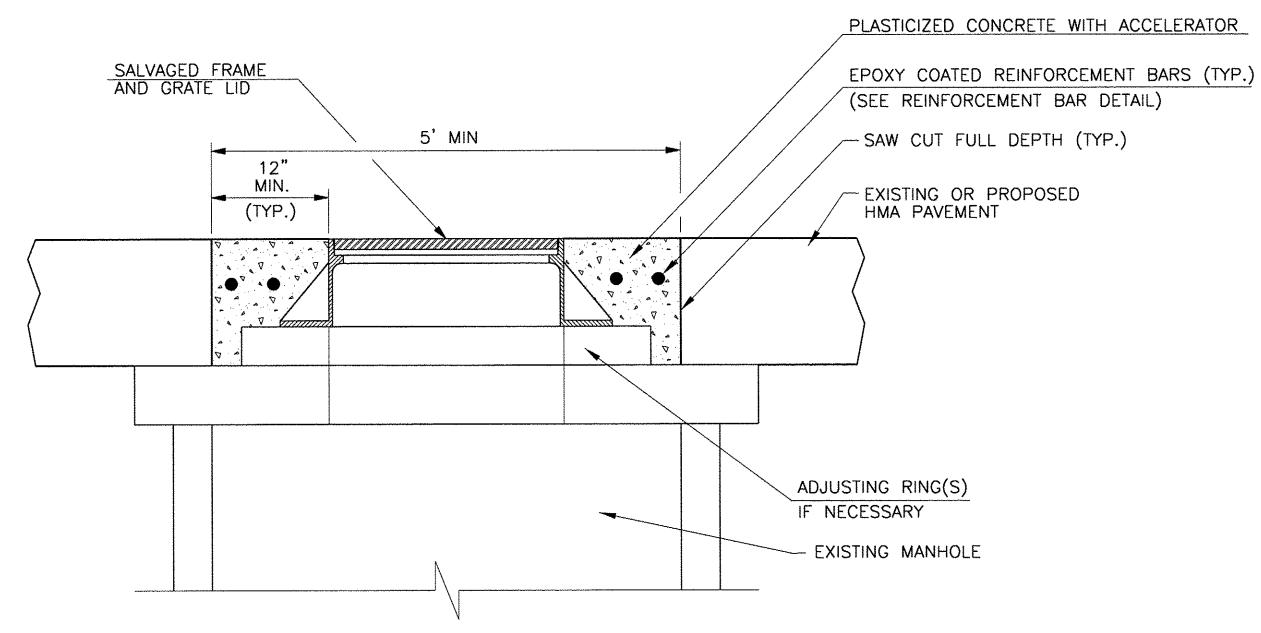
 F.A.U. RTE.
 SECTION
 COUNTY
 TOTAL SHEETS NO.

 7126
 15-00304-01-PV
 CHAMPAIGN
 236
 184

 MCORE PROJECT 1
 CONTRACT NO. 91539

 JOB NO. C-95-305-16
 ILLINOIS FED. AID PROJECT TIG-5181(057)

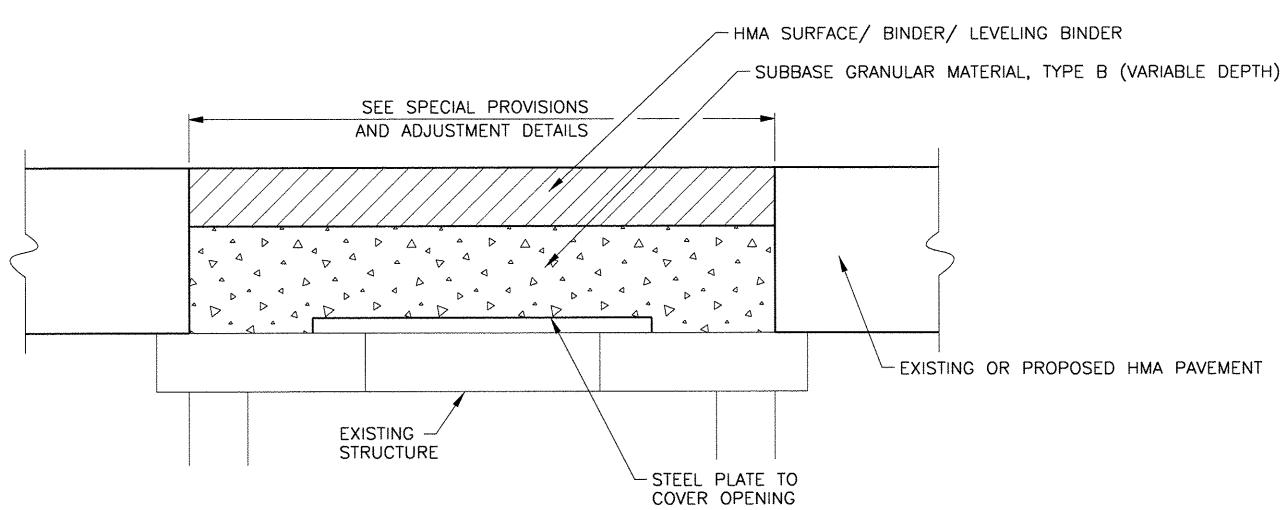




#### NOTE:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR MANHOLES TO BE ADJUSTED (SPECIAL), WHICH PRICE SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK, INCLUDING SAW CUTTING, PAVEMENT REMOVAL, EXCAVATION, ADJUSTING RINGS, PLACEMENT OF THE SALVAGED FRAME AND LID, AND PLACEMENT OF THE PLASTICIZED BLACK CONCRETE PATCH WITH REINFORCEMENT BARS. SEE THE TEMPORARY PAVEMENT PATCH DETAIL AND THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

## MANHOLE FRAME AND LID ADJUSTMENT DETAIL WITHIN HMA PAVEMENT AREAS



THIS DETAIL IS FOR THE TEMPORARY PAVEMENT PATCHES ABOVE STRUCTURES TO BE ADJUSTED IN HMA PAVEMENT AREAS. THE TEMPORARY PAVEMENT PATCHES ARE REQUIRED UNTIL THE CASTINGS OR BOXES ARE ADJUSTED TO GRADE AFTER THE HMA SURFACING IS COMPLETE AND THE PERMANENT CONCRETE PAVEMENT PATCHES ARE CONSTRUCTED. FURNISHING AND INSTALLING THE STEEL PLATE AND TEMPORARY PAVEMENT PATCHES, INCLUDING SUBBASE GRANULAR MATERIAL, SHALL BE INCLUDED IN THE COST OF THE STRUCTURE TO BE ADJUSTED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

## TEMPORARY PAVEMENT PATCH DETAIL

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

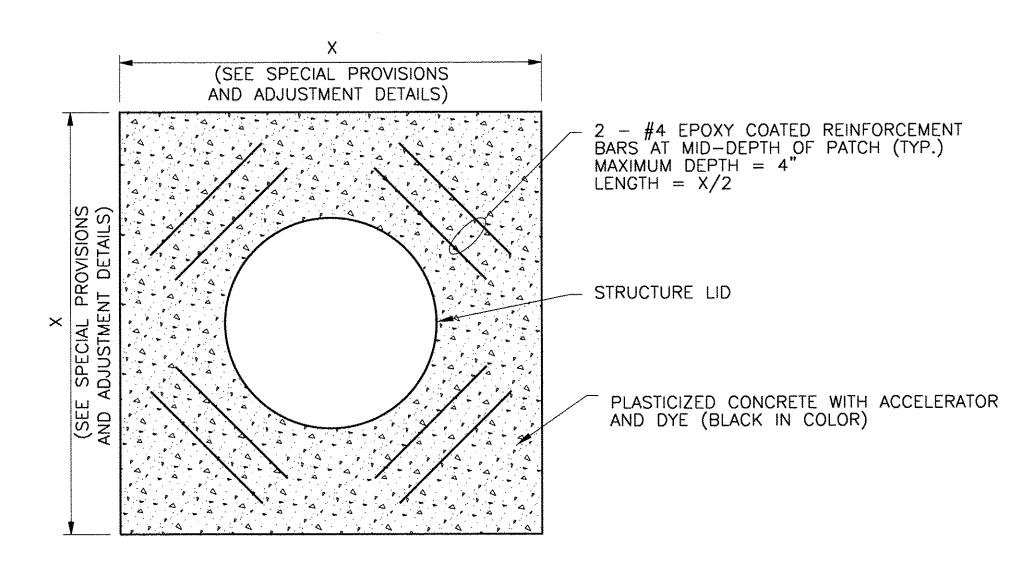
- SAW CUT FULL DEPTH (TYP.) SALVAGED LID 3.5' MIN. (TYP.) EXISTING OR PROPOSED HMA PAVEMENT EPOXY COATED REINFORCEMENT BARS (TYP.) (SEE REINFORCEMENT BAR DETAIL) EXISTING VALVE BOX

PLASTICIZED CONCRETE WITH ACCELERATOR

#### NOTE:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR VALVE BOXES TO BE ADJUSTED (SPECIAL), WHICH PRICE SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO COMPLETE THE WORK, INCLUDING SAW CUTTING, PAVEMENT REMOVAL, EXCAVATION, ADJUSTMENT OF THE VALVE BOX, AND PLACEMENT OF THE PLASTICIZED BLACK CONCRETE PATCH WITH REINFORCEMENT BARS. SEE THE TEMPORARY PAVEMENT PATCH DETAIL AND THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

## VALVE BOX ADJUSTMENT DETAIL WITHIN HMA PAVEMENT AREAS



#### NOTES:

SCALE: N/A

- 1. THE REINFORCEMENT BARS SHALL BE EPOXY COATED.
- 2. THE REINFORCEMENT BARS SHALL BE INCLUDED IN THE COST OF THE MANHOLE ADJUSTMENT OR THE VALVE BOX ADJUSTMENT.
- 3. THE MINIMUM CLEARANCE BETWEEN REINFORCEMENT BARS, CASTINGS, VALVE BOXES, AND PATCH EDGES SHALL BE 3 INCHES.

## REINFORCEMENT BAR DETAIL

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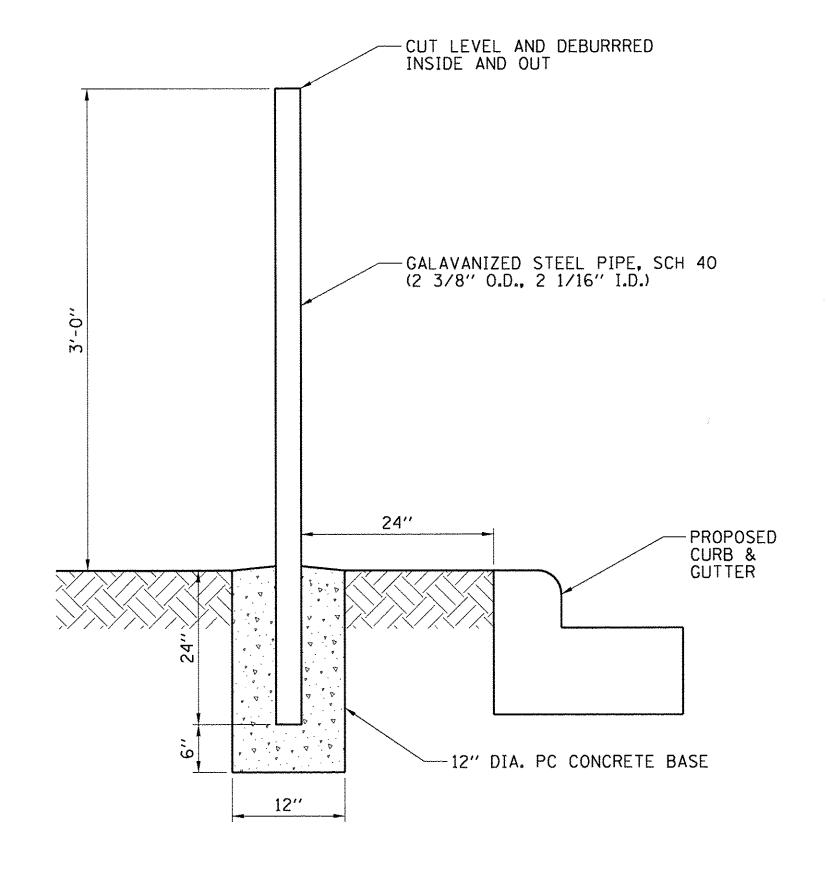
PROJECT 1 - GREEN STREET

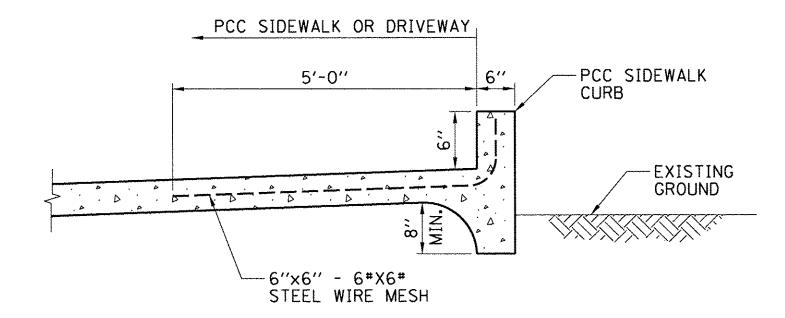
ADJUSTMENT DETAILS

TO STA.

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RTE.	SECTION		COUNTY	SHEETS	NO.	
7126			CHAMPAIGN	236	185	
 MCORE PROJECT 1		CONTRACT NO. 91539				
JOB N	O. C-95-305-16	ILLINOIS	FED.	AID PROJECT TIG	-5181(057)	

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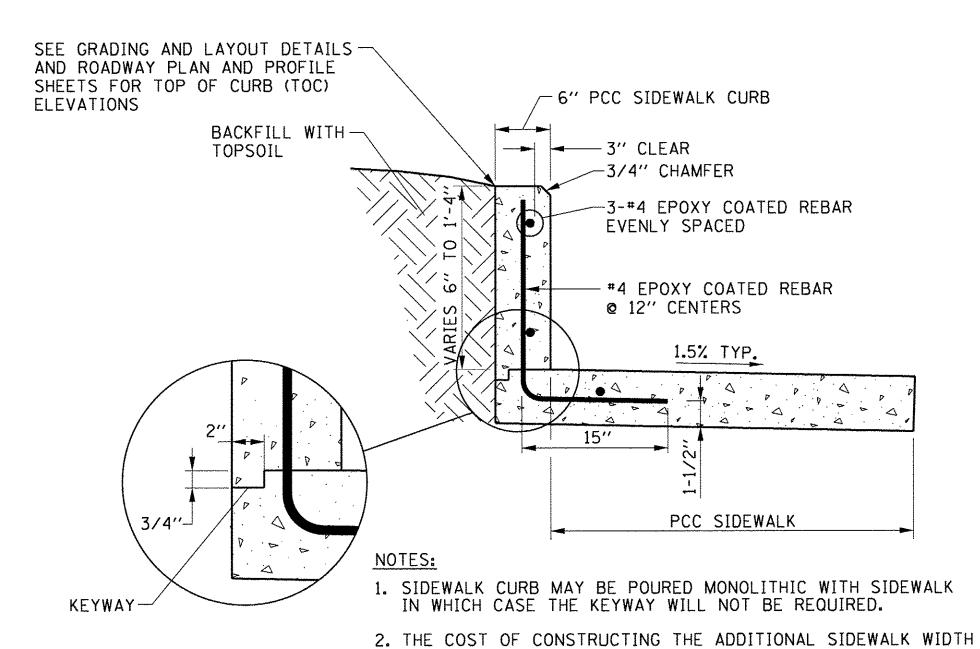


#### NOTES:

- 1. SIDEWALK CURB SHALL BE POURED MONOLITHIC WITH THE SIDEWALK OR ENTRANCE.
- 2. THE COST OF STEEL WIRE MESH SHALL BE INCLUDED IN THE COST OF THE PORTLAND CEMENT CONCRETE SIDEWALK CURB, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE PCC SIDEWALK OR ENTRANCE ADJACENT TO THE SIDEWALK CURB WILL BE PAID FOR SEPERATLEY.

## PORTLAND CEMENT CONCRETE SIDEWALK CURB DETAIL

(SIDEWALK ABOVE EXISTING GRADE)



BELOW THE SIDEWALK CURB AND FURNISHING AND INSTALLING THE #4 REBARS SHALL BE INCLUDED IN THE COST OF THE PORTLAND CEMENT CONCRETE SIDEWALK CURB, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. THE REINFORCEMENT BARS SHALL BE EPOXY COATED. THE PCC SIDEWALK ADJACENT TO THE SIDEWALK CURB WILL BE PAID FOR SEPARATELY.

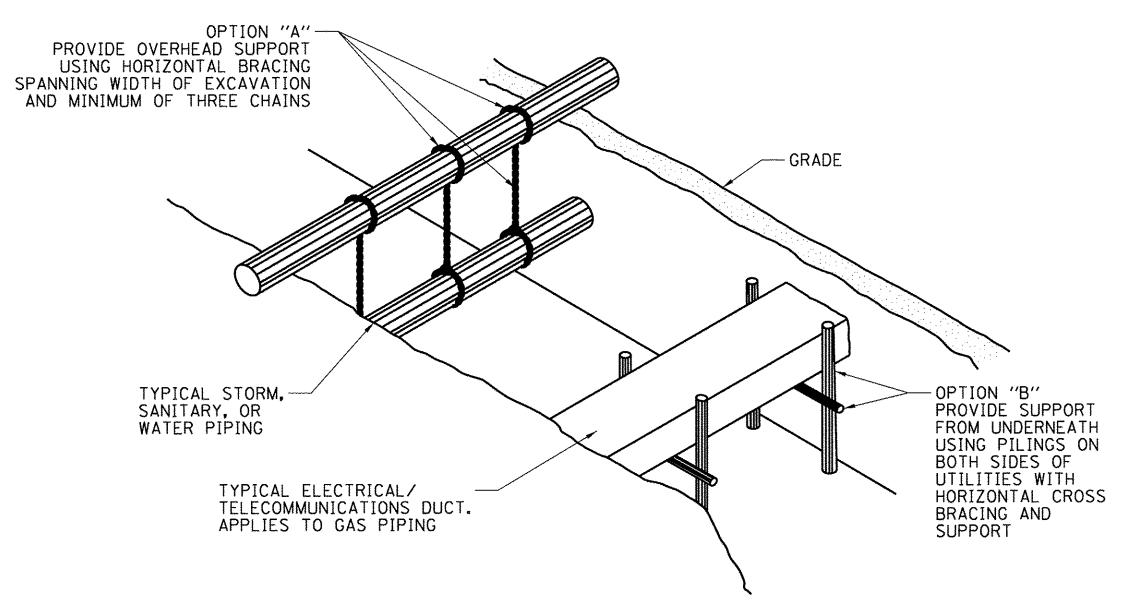
## PORTLAND CEMENT CONCRETE SIDEWALK CURB DETAIL

(SIDEWALK MORE THAN 6" BELOW EXISTING GRADE)

## STEEL POSTS, SPECIAL DETAIL

#### NOTES:

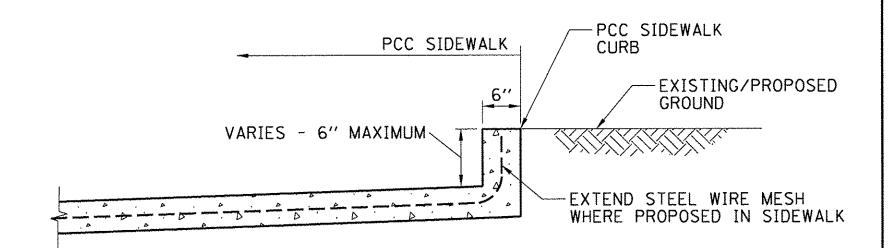
- 1. THE CONCRETE BASE SHALL BE FINISHED TO DRAIN WATER AWAY FROM THE BASE OF PIPE.
- 2. STEEL POSTS, SPECIAL PRE-PRIMER AND PRIMER COATS SHALL BE FACTORY APPLIED; ALL FINISH COATS SHALL BE APPLIED BLACK EPOXY.



## TEMPORARY SUPPORT OF EXISTING UTILITIES

#### NOTES:

- 1. STORM, SANITARY & WATER PIPING JOINTS MUST HAVE SUPPORTS ON BOTH SIDES OF JOINT.
- 2. THIS DETAIL IS FOR ILLUSTRATIVE PURPOSE ONLY. SPECIFIC METHODS OF SUPPORT ARE A MATTER OF MEANS AND METHODS TO BE DETERMINED AND DESIGNED BY THE CONTRACTOR.



#### NOTES:

- 1. SIDEWALK CURB SHALL BE POURED MONOLITHIC WITH THE SIDEWALK OR ENTRANCE.
- 2. WHERE PROPOSED FOR THE ADJACENT SIDEWALK EXTEND THE STEEL WIRE MESH UP THE CURB.
- 3. CURBS LESS THAN 6" TALL SHALL NOT BE PAID FOR SEPERATLEY BUT SHALL BE PAID FOR BASED ON PLAN VIEW SURFACE AREA OF THE CURB AND INCLUDED WITH THE ADJACENT PCC SIDEWALK PAY ITEM.
- 4. EXTENSION OF STEEL WIRE MESH SHALL BE INCLUDED IN THE COST OF THE PORTLAND CEMENT CONCRETE SIDEWALK AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

### INTEGRAL SIDEWALK CURB DETAIL

(SIDEWALK LESS THAN 6" BELOW EXISTING GRADE)

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PROJECT 1 - GREEN STREET MISCELLANEOUS DETAILS

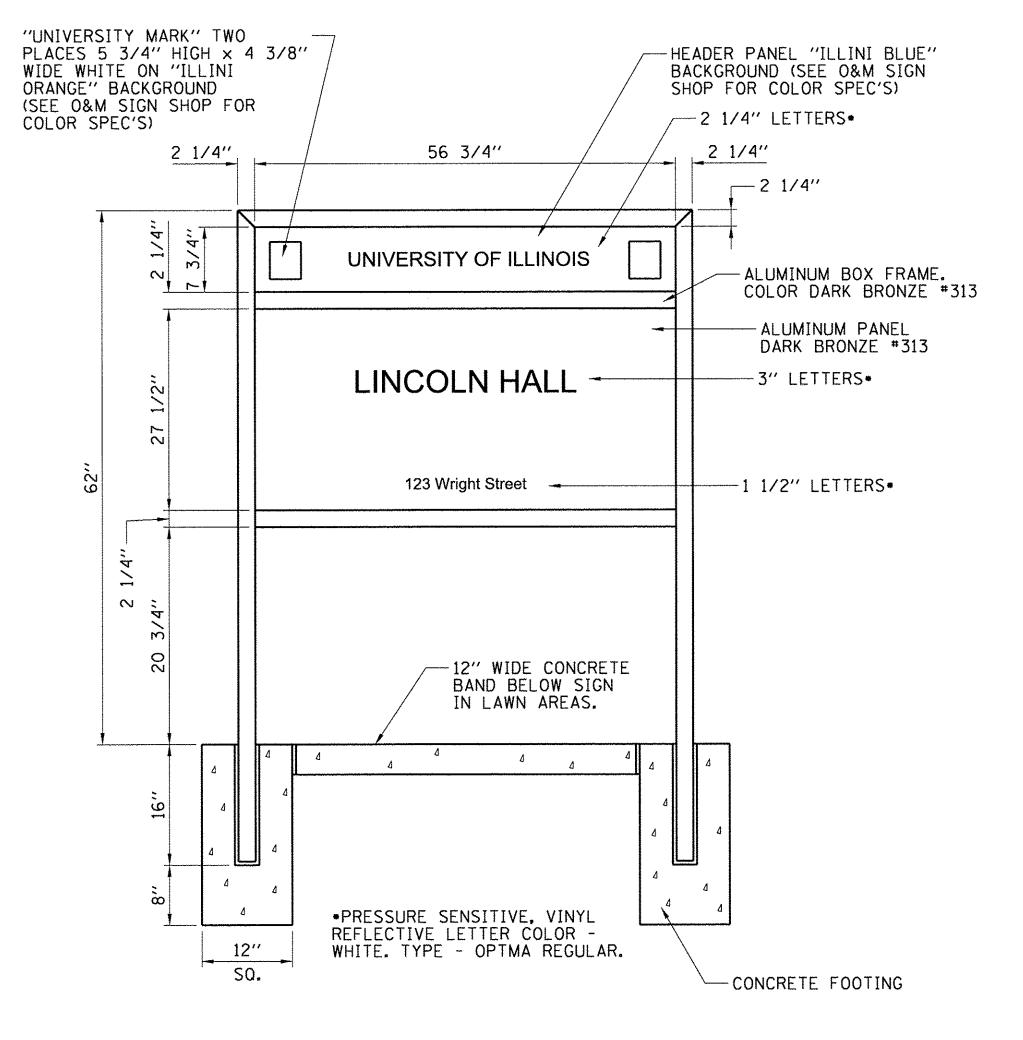
SHEET NO. OF SHEETS STA.

SCALE: N/A

TOTAL SHEET NO. F.A.U. RTE. SECTION COUNTY CHAMPAIGN 236 186 15-00304-01-PV MCORE PROJECT 1 CONTRACT NO. 91539

7126 TO STA. JOB NO. C-95-305-16 | ILLINOIS | FED. AID PROJECT TIG-5181(057)





REMOVE AND RELOCATE SIGN (SPECIAL)

(UNIVERSITY OF ILLINOIS BUILDING IDENTIFICATION SIGN)

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

COUNTY TOTAL SHEET NO. CHAMPAIGN 236 187 CONTRACT NO. 91539

F.A.U. RTE. PROJECT 1 - GREEN STREET SECTION 15-00304-01-PV MISCELLANEOUS DETAILS MCORE PROJECT 1 SHEET NO. OF SHEETS STA. TO STA. SCALE: N/A JOB NO. C-95-305-16 ILLINOIS FED. AID PROJECT TIG-5181(057)