

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DuPage	64	1
CONTRACT NO.: 61D93		ILLINOIS	(4+2)=106	

FOR INDEX OF STATE HIGHWAY STANDARDS  
SEE SHEET NO. 2

**FAP 365 IL ROUTE 56 (BUTTERFIELD ROAD)  
CANADIAN NATIONAL RAILROAD (CNRR) TO WINFIELD ROAD  
BEAUTIFICATION AND STREETScape ENHANCEMENTS**  
SECTION No.: 11-00033-00-LS  
PROJECT No.: TE-0001 (959)  
CITY OF WARRENVILLE  
JOB No.: C-91-253-14  
DUPAGE COUNTY

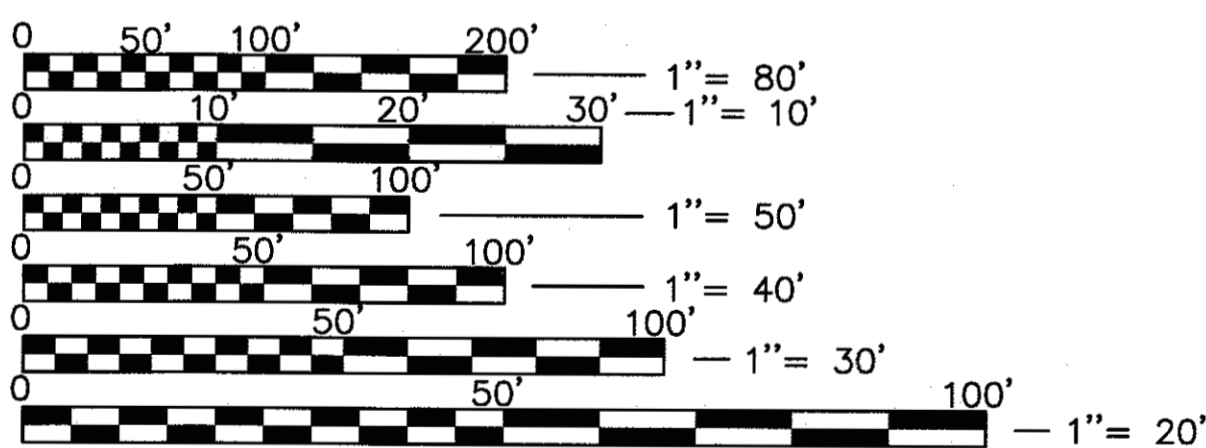


**TRAFFIC DATA**  
**BUTTERFIELD ROAD**  
ADT = 14,600 VPD  
POSTED SPEED LIMIT = 45 MPH  
FUNCTIONAL CLASSIFICATION = PRINCIPAL ARTERIAL

**BATAVIA ROAD**  
ADT = 10,600 VPD  
POSTED SPEED = 35 MPH  
FUNCTIONAL CLASSIFICATION = MINOR ARTERIAL

**NELTOR ROAD**  
ADT = 30,250 VPD  
POSTED SPEED LIMIT = 45 MPH  
FUNCTIONAL CLASSIFICATION = PRINCIPAL ARTERIAL

**WINFIELD ROAD**  
ADT = 17,600  
POSTED SPEED LIMIT = 45 MPH  
FUNCTIONAL CLASSIFICATION = MINOR ARTERIAL



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

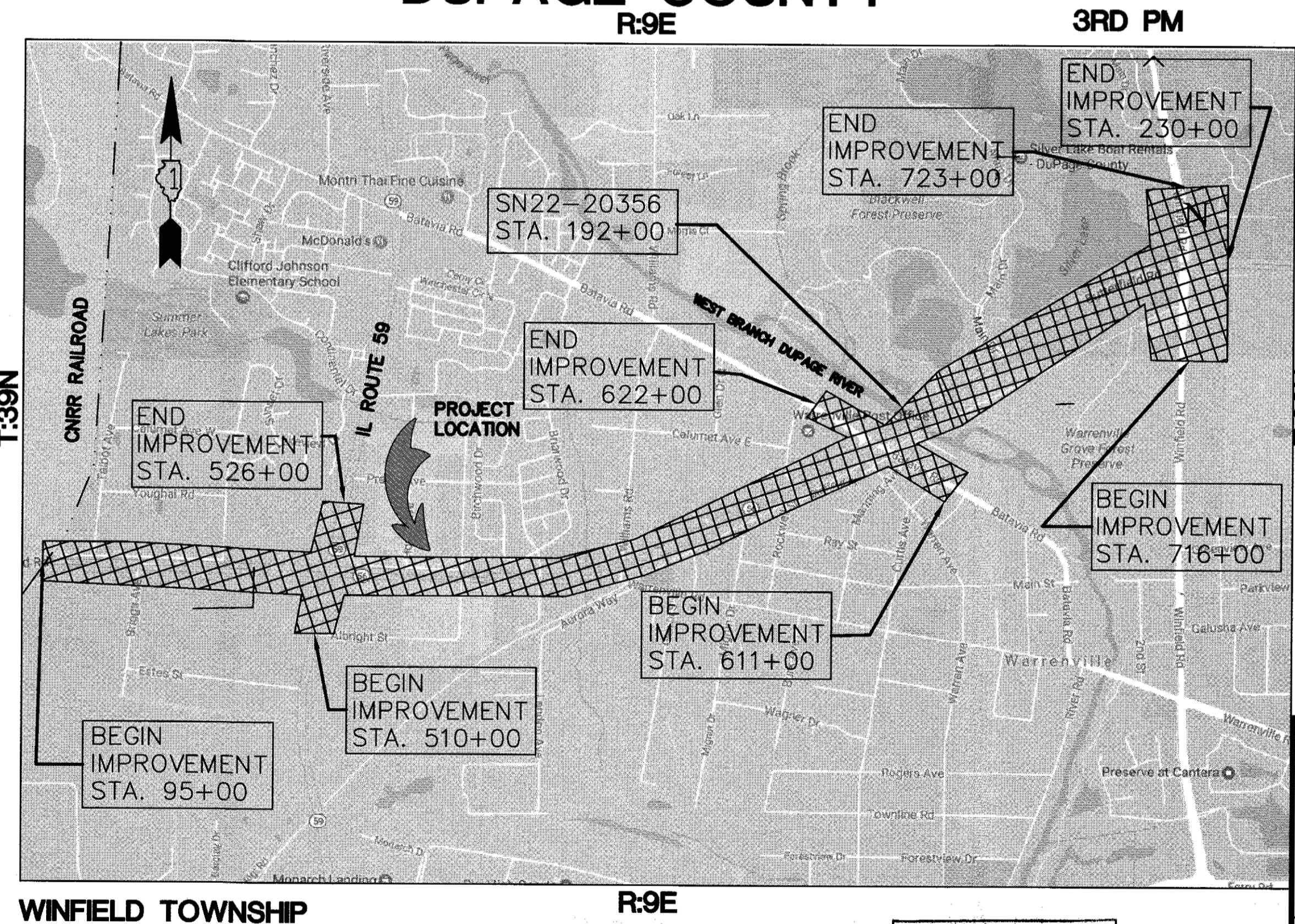
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT MANAGER:  
PROJECT ENGINEER:

CONTRACT NO. 61D93



ENGINEERING RESOURCE ASSOC., INC.  
CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS  
35701 WEST AVENUE, SUITE 150  
WARRENVILLE, ILLINOIS 60555  
PHONE (630) 393-3060 FAX (630) 393-2152  
Professional Design Firm No. 184-001186  
Expires April 30, 2017

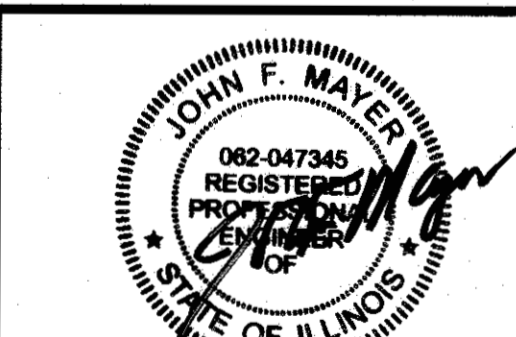


WINFIELD TOWNSHIP

R:9E

LOCATION MAP  
(NOT TO SCALE)

**APPROVED**  
By: *[Signature]*  
Date: 6/15/17



John F. Mayer, P.E.  
IL P.E. NO. 062-047345  
Expires November 30, 2017



GROSS LENGTH OF IMPROVEMENT = 13,728 LF (2.6 MILES)  
NET LENGTH OF IMPROVEMENT = 13,728 LF (2.6 MILES)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED *[Signature]* 6/13/17  
DuPAGE COUNTY DIVISION OF TRANSPORTATION

APPROVED *[Signature]* 6/13/17  
Kristine Hocking  
CITY OF WARRENVILLE

PASSED JUNE 14, 2017  
*[Signature]* CHRISTOPHER HOLT  
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW June 14, 2017  
*[Signature]* REGIONAL ENGINEER

Blank space for additional notes or signatures.

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

FEDERAL AID PROGRAM ENGINEER: CHARLES F. RIDDLE, PE, 847-705-4406, SCHAUMBURG, IL



## INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, GENERAL NOTES, & HIGHWAY STANDARDS
3	SUMMARY OF QUANTITIES
4	EXISTING CONDITIONS
5-9	REMOVALS PLAN
10-16	TYPICAL SECTIONS
17-20	GRADING PLAN
21-26	LAYOUT & MATERIALS
27-31	PLANTING PLAN
32	PLANTING DETAILS
33-38	CONSTRUCTION DETAILS
39	LIGHTING PLAN, GENERAL NOTES, & SCHEDULE
40-42	LIGHTING PLAN
43-44	LIGHTING ONE LINE DIAGRAMS
45-53	LIGHTING DETAILS
54-63	STRUCTURAL PLANS
64-64B	DISTRICT 1 DETAILS

## HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24' FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701426-09	LANE CLOSURE MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS $\geq$ 45 MPH
701427-05	LANE CLOSURE MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS $<$ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-07	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
836001-02	LIGHT POLE FOUNDATION
838001	BREAKAWAY DEVICES

## DISTRICT 1 DETAILS

TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN PAYS (TO REMAIN OPEN DURING TRAFFIC)
TC-22	ARTERIAL ROAD INFORMATION SIGN
BE-310	LIGHT POLE FOUNDATION OFFSET
BE-701	LUMINAIRE SAFETY CABLE ASSEMBLY

## GENERAL NOTES

- THE CONTRACTOR SHALL CONTACT THE ENGINEER AND TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- CONTRACTOR TO HAVE LIMITED ACCESS FOR STORAGE OF EQUIPMENT AND/OR MATERIALS. STAGING OF EQUIPMENT AND/OR MATERIALS WITHIN RIGHT OF WAYS (R.O.W.) SHALL BE GRANTED ON A LIMITED BASIS TO ACCOMMODATE DAILY CONSTRUCTION ACTIVITIES WITH PRIOR APPROVAL BY THE ENGINEER. OVERNIGHT STORAGE IN R.O.W. IS PROHIBITED. CONTRACTOR MAY STORE MATERIALS AND EQUIPMENT AT THE CITY OF WARRENVILLE'S PUBLIC WORKS YARD LOCATED AT 3S346 MIGNIN DRIVE WITH PRIOR APPROVAL FROM THE PUBLIC WORKS DIRECTOR (TEL. NO. 630-393-9050). STORAGE AT THE PUBLIC WORKS YARD IS AT CONTRACTOR'S RISK.
- SIDEWALK CLOSURES SHALL BE GRANTED ON A LIMITED BASIS TO ACCOMMODATE DAILY CONSTRUCTION ACTIVITIES WITH PRIOR APPROVAL BY THE ENGINEER. SIDEWALK CLOSURES, IF NECESSARY, SHALL BE LIMITED TO ONE SIDE OF THE STREET AT A TIME. CONTRACTOR SHALL FOLLOW IDOT STANDARD 701801-06 TO REDIRECT PEDESTRIAN TRAFFIC ACCORDINGLY.
- DAILY LANE CLOSURES WILL BE ALLOWED ONLY ON WEEKDAYS BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM.
- VERIFY SITE CONDITIONS AND INFORMATION ON DRAWINGS. PROMPTLY REPORT ANY CONCEALED CONDITIONS, MISTAKES, DISCREPANCIES OR DEVIATIONS FROM THE INFORMATION SHOWN IN THE CONTRACT DOCUMENTS. CHANGE ORDERS/EXTRA WORK AND AUTHORIZATION ARE COVERED BY STANDARD SPECIFICATIONS.
- CONTRACTOR TO PROVIDE FOR AT LEAST ONE LANE OF TRAFFIC BOTH EAST-BOUND AND WEST-BOUND ON BUTTERFIELD ROAD AND BATAVIA ROAD AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE FLAGMEN DURING CONSTRUCTION ACTIVITIES AS NEEDED TO MAINTAIN TWO-WAY TRAFFIC. ALL WORK ZONE TRAFFIC CONTROLS WILL CONFORM TO IDOT SECTION 700 WORK ZONE TRAFFIC CONTROL STANDARDS. OVERNIGHT LANE CLOSURES ARE PROHIBITED UNLESS WRITTEN PERMISSION IS OBTAINED FROM THE ENGINEER. SEE TRAFFIC CONTROL STANDARDS FOR MORE DETAILS.
- THE CONTRACTOR WILL BE REQUIRED TO DISPOSE OF ALL MATERIALS EXCAVATED OR REMOVED DUE TO CONSTRUCTION OPERATIONS. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE ON THE DAY IT IS EXCAVATED. HAULING OR TRUCKING THE MATERIAL TO LOCATIONS, SHALL BE PROVIDED BY THE CONTRACTOR, OUTSIDE THE LIMITS OF IMPROVEMENT.
- CITY OF WARRENVILLE WILL PROVIDE THE CONTRACTOR WITH WATER AND WATER METER, AND BATHROOM FACILITIES AT THE PUBLIC WORKS YARD LOCATED AT 3S346 MIGNIN DRIVE.
- CONTACT MEADE ELECTRIC COMPANY, DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES AT 773-287-7672.

## DUPAGE COUNTY DIVISION OF TRANSPORTATION NOTES

- DISTURBED AREAS OF THE COUNTY'S RIGHT OF WAY SHALL BE REGRADED AND RESTORED WITH TOPSOIL AND CLASS 2A SALT TOLERANT SEED (WITH EROSION CONTROL BLANKET OR HYDRO SEEDING) OR SOD (SALT TOLERANT AND STAKED IN PLACE).
- ANY DAMAGE TO PATH SURFACES BY CONSTRUCTION TRAFFIC OR DURING CONSTRUCTION SHALL BE REPLACED AS COORDINATED WITH THE DUPAGE COUNTY DIVISION OF TRANSPORTATION AND AS DIRECTED BY THE ENGINEER.
- CONTACT DUPAGE COUNTY DOT (630-407-6900) A MINIMUM OF 48 HRS PRIOR TO START OF CONSTRUCTION TO ARRANGE FOR INSPECTIONS OF AND AT THE COMPLETION OF THE DESCRIBED WORK WITHIN THE COUNTY'S RIGHT-OF-WAY.

PLAN	DATE	BY
SURVEYED		
ALIGNED		
CHECKED		
RT. OF WAY		
CHECKED		
NO. _____		
FILE NAME		

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
GRADES		
CHECKED		
STRUCTURE		
NOTATIONS		
CHRD		
NO. _____		
FILE NAME		

FILE NAME: H:\Warrenville\140416.FD\_Butterfield Road Lighting and Beautification IEP\CAD\140416.FD\_Details.dwg



USER NAME = cfrovap	DESIGNED - KK	REVISED - ---
	DRAWN - CF	REVISED - ---
PLOT SCALE = #SCALE#	CHECKED - JM	REVISED - ---
PLOT DATE = 05-04-2017	DATE - 05-08-2017	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, GENERAL NOTES,  
AND HIGHWAY STANDARDS

SCALE: N/A SHEET NO. 1 OF 1 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	II-00033-00-LS	DuPage	64	2
CONTRACT NO			64	93

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





J:\PROJECTS\ALPHA\ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITEP ENHANCEMENTS\09 GRAPHICS\02 DD-CO\01-EXISTING CONDITIONS.DWG 4  
 Plotted: 08/06/2017 By: MWOOD



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

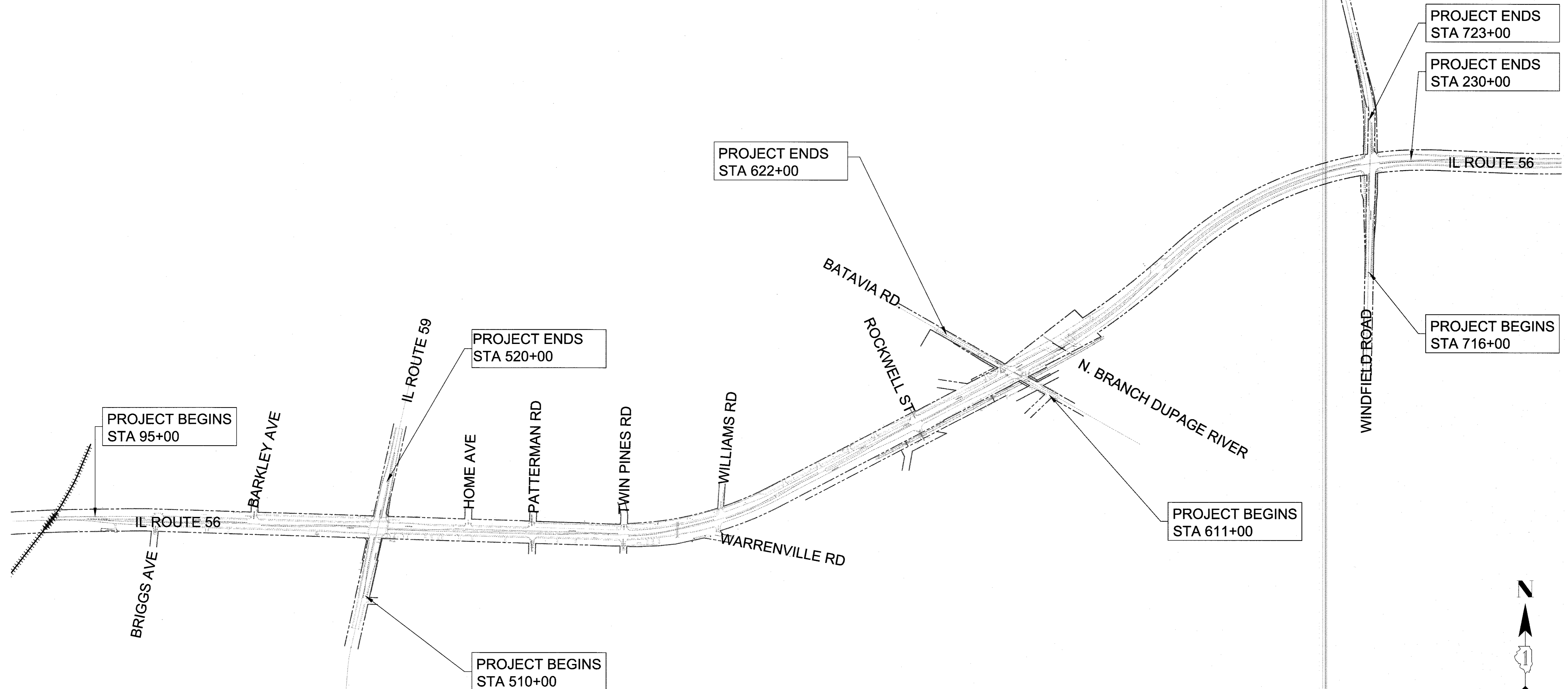
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS**

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PROJECT - 03-0868-002-01-02 STA. TO STA.

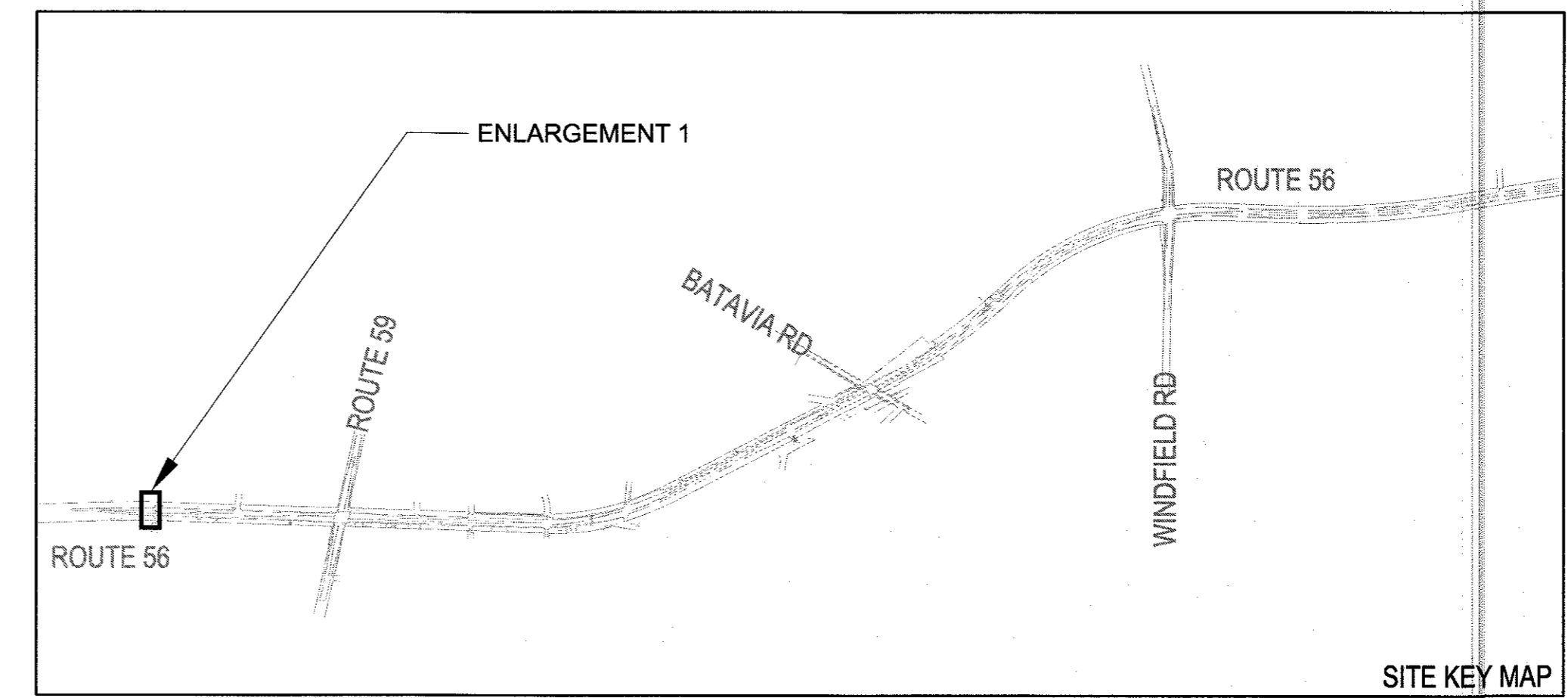
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CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

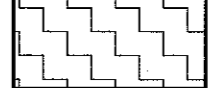






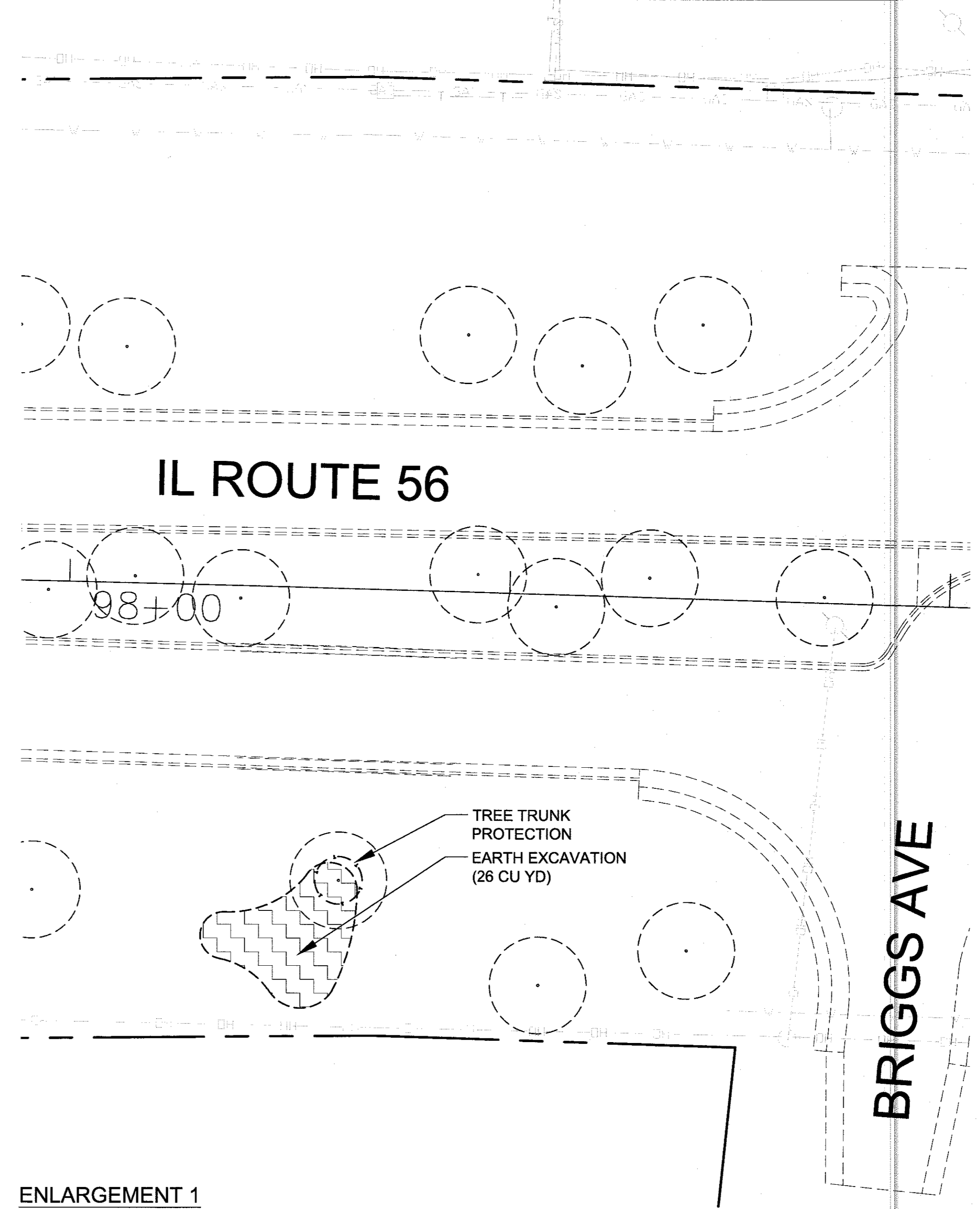
45 MPH  
 14200 VPD  
 C.Z.VALUE=18'-20'  
 MEDIAN WIDTH  
 ON IL 56 = 30"



J:\PROJECTS\ALPHA\ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITEP ENHANCEMENTS\09 GRAPHICS\02 DD-CD\03-REMOVALS AND SITE PREPARATION.DWG 5  
 Plot Date: 08/06/2017 By: MWOOD



- REMOVALS AND SITE PREPARATION LEGEND**
-  EARTH EXCAVATION
  -  SELECTIVE CLEARING
  -  TREE TRUNK PROTECTION
  -  TEMPORARY FENCING
  -  TREE REMOVAL



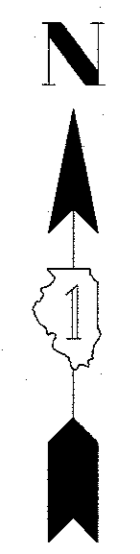
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DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVALS AND SITE PREPARATION**

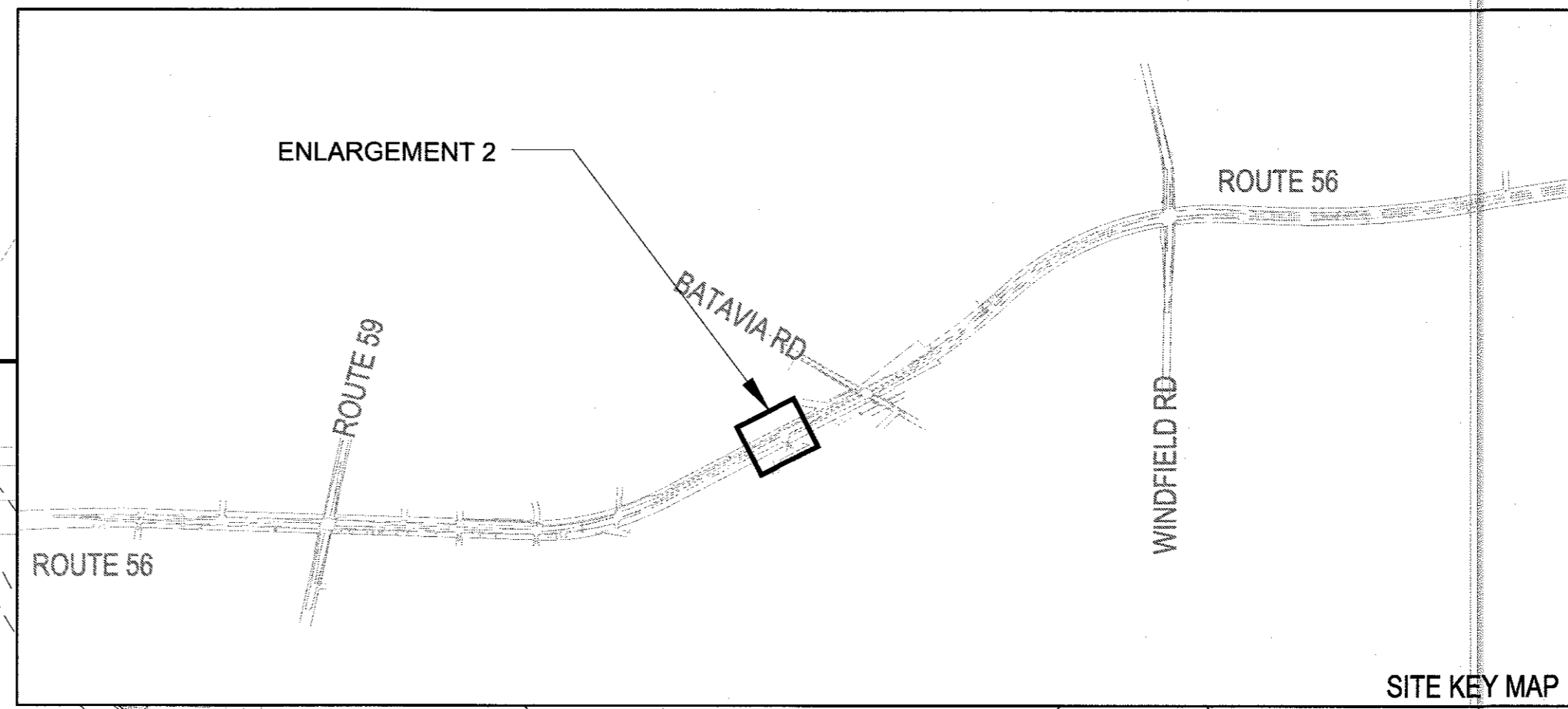
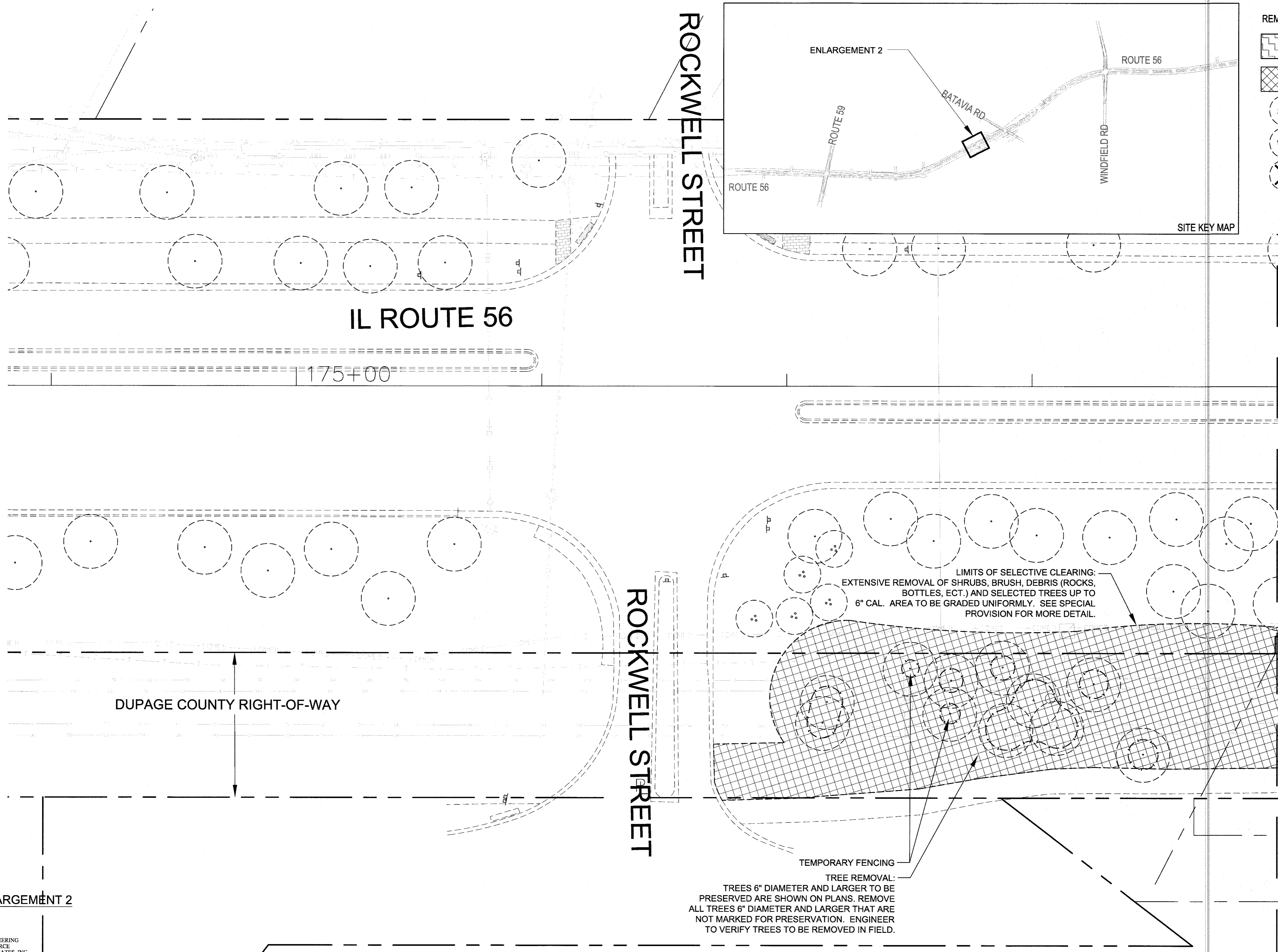
SCALE: 1"=20'-0" PROJECT - 03-0868-002-01-02 STA. TO STA.

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365	11-00033-00-LS	DUPAGE	64	5
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





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 Plotted: 08/06/2017 By: MWOOD

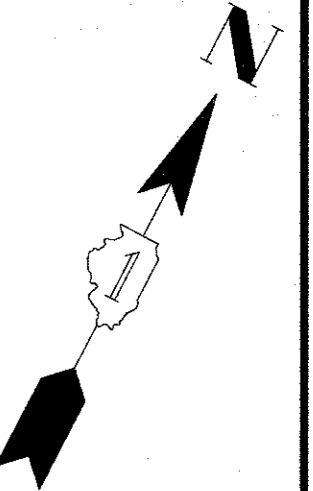


- REMOVALS AND SITE PREPARATION LEGEND**
- EARTH EXCAVATION
  - SELECTIVE CLEARING
  - TREE TRUNK PROTECTION
  - TEMPORARY FENCING
  - TREE REMOVAL

MATCHLINE  
 STA 179+00  
 SEE SHEET 7

LIMITS OF SELECTIVE CLEARING:  
 EXTENSIVE REMOVAL OF SHRUBS, BRUSH, DEBRIS (ROCKS, BOTTLES, ECT.) AND SELECTED TREES UP TO 6" CAL. AREA TO BE GRADED UNIFORMLY. SEE SPECIAL PROVISION FOR MORE DETAIL.

TEMPORARY FENCING  
 TREE REMOVAL:  
 TREES 6" DIAMETER AND LARGER TO BE PRESERVED ARE SHOWN ON PLANS. REMOVE ALL TREES 6" DIAMETER AND LARGER THAT ARE NOT MARKED FOR PRESERVATION. ENGINEER TO VERIFY TREES TO BE REMOVED IN FIELD.



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVALS AND SITE PREPARATION**






SCALE: 1"=20'-0" PROJECT - 03-0868-002-01-02 STA. TO STA.

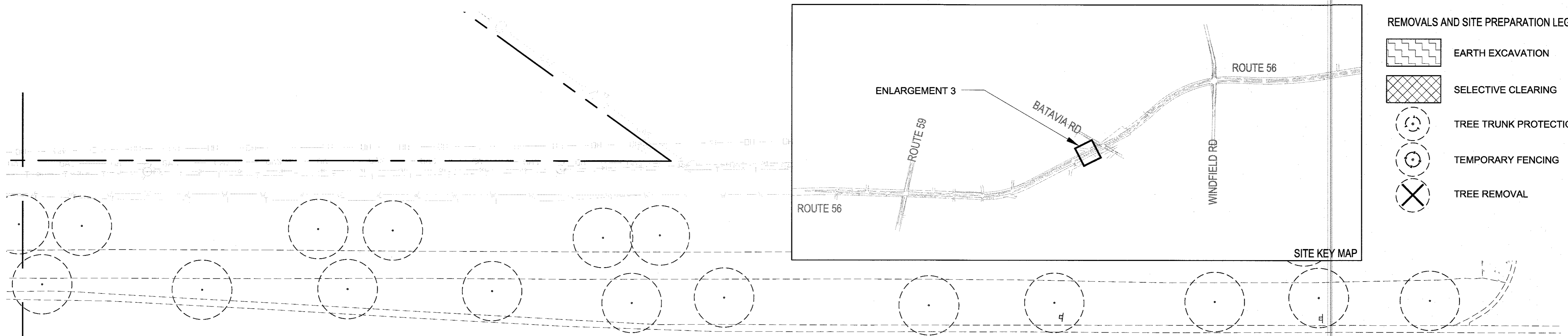
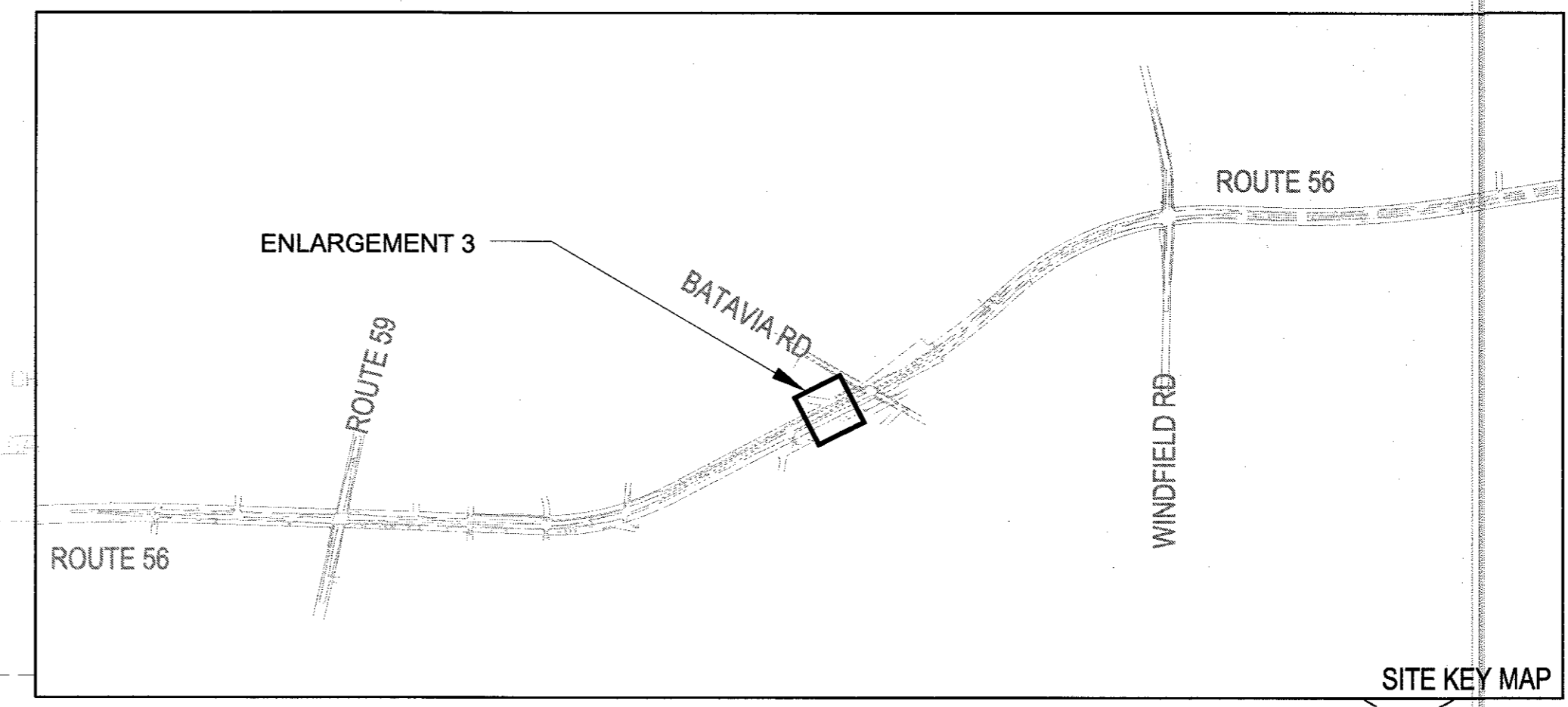
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365	11-00033-00-LS	DUPAGE	64	6
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



J:\PROJECTS\ALPHA\ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITP ENHANCEMENTS\09 GRAPHICS\02 DD-CD\03-REMOVALS AND SITE PREPARATION.DWG 7  
 Plotted: 08.06.2017 By: MWOOD

**REMOVALS AND SITE PREPARATION LEGEND**

-  EARTH EXCAVATION
-  SELECTIVE CLEARING
-  TREE TRUNK PROTECTION
-  TEMPORARY FENCING
-  TREE REMOVAL



**IL ROUTE 56**

MATCHLINE  
 STA 179+00:  
 SEE SHEET 6

180+00

LIMITS OF SELECTIVE CLEARING:  
 EXTENSIVE REMOVAL OF SHRUBS, BRUSH, DEBRIS (ROCKS,  
 BOTTLES, ECT.) AND SELECTED TREES UP TO  
 6" CAL. AREA TO BE GRADED UNIFORMLY. SEE SPECIAL  
 PROVISION FOR MORE DETAIL.

DUPAGE COUNTY RIGHT-OF-WAY

ENLARGEMENT 3

TEMPORARY FENCING

TREE REMOVAL:  
 TREES 6" DIAMETER AND LARGER TO BE  
 PRESERVED ARE SHOWN ON PLANS. REMOVE  
 ALL TREES 6" DIAMETER AND LARGER THAT ARE  
 NOT MARKED FOR PRESERVATION. ENGINEER  
 TO VERIFY TREES TO BE REMOVED IN FIELD.



**HITCHCOCK  
 DESIGN  
 GROUP**  
 creating better places

DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVALS AND SITE PREPARATION**






SCALE: 1"=20'-0" PROJECT - 03-0868-002-01-02 STA. TO STA.

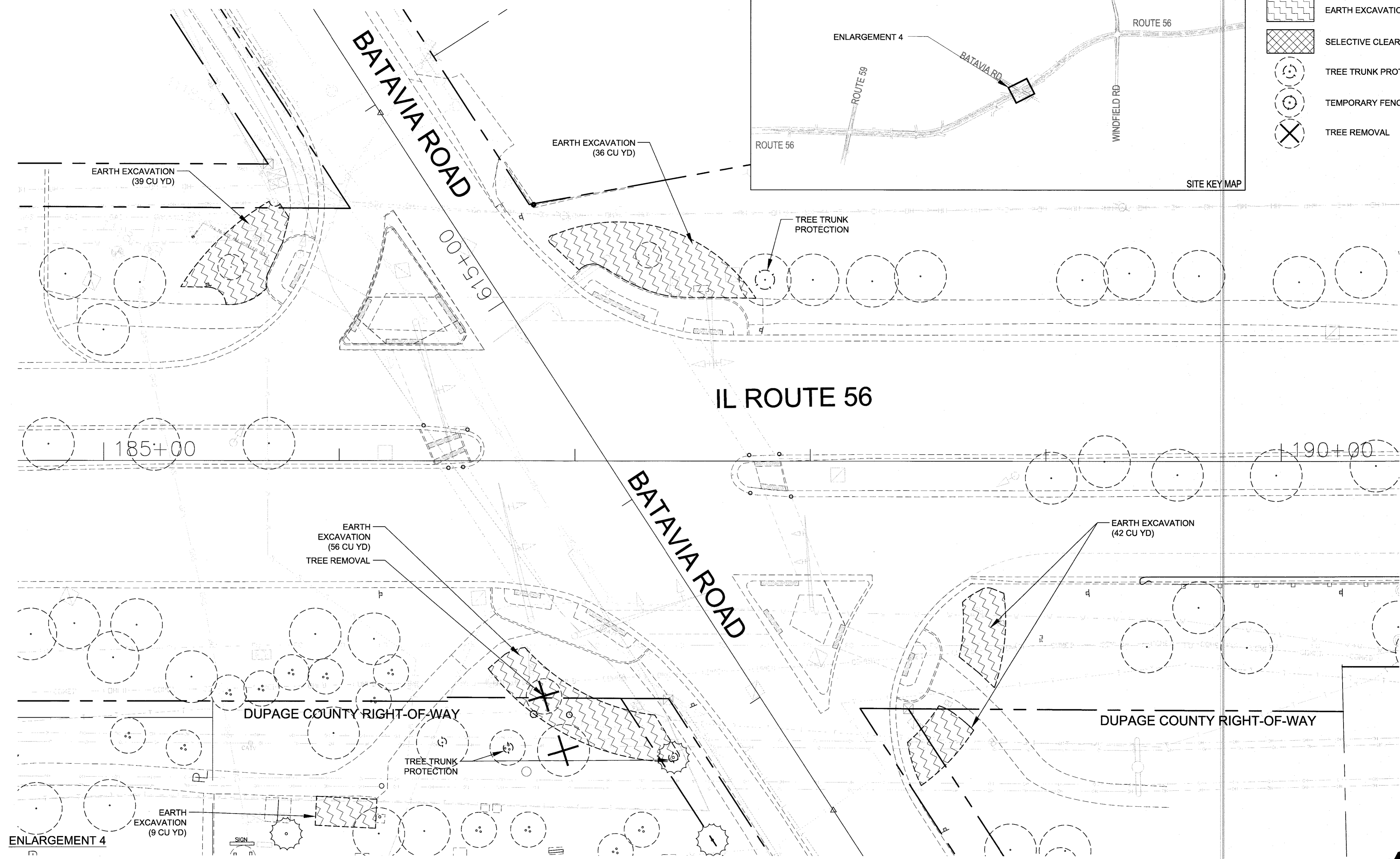
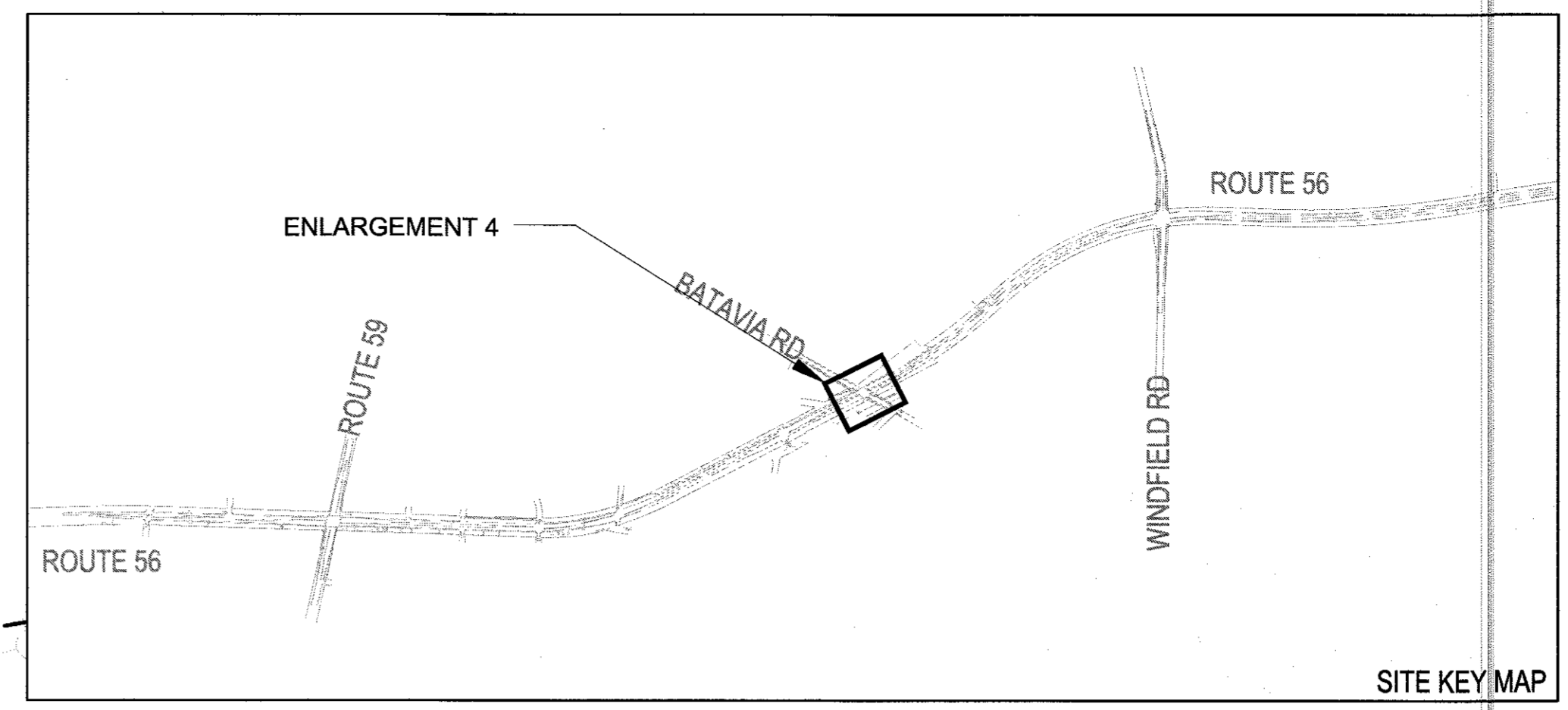
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365	11-00033-00-LS	DUPAGE	64	7
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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 Plotfile: 08.06.2017 By: MKW000

**REMOVALS AND SITE PREPARATION LEGEND**

-  EARTH EXCAVATION
-  SELECTIVE CLEARING
-  TREE TRUNK PROTECTION
-  TEMPORARY FENCING
-  TREE REMOVAL



ENGINEERING  
 RESOURCE  
 ASSOCIATES, INC.  
CONSULTING ENGINEERS, SCIENTISTS  
 & ARCHITECTS



DESIGNED - TCK  
 DRAWN - MPW  
 CHECKED - TCK  
 DATE - 05-08-2017

REVISED -  
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 REVISED -

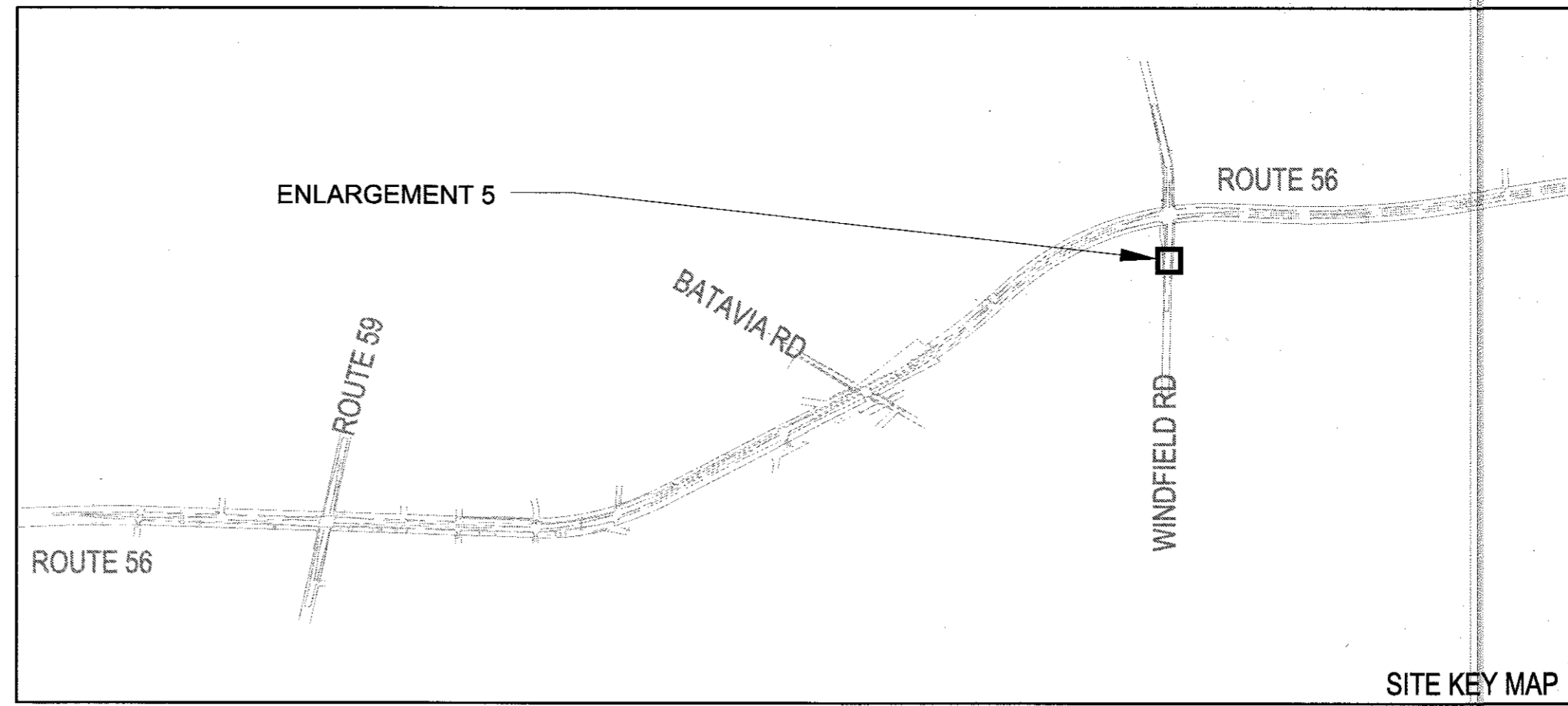
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**REMOVALS AND SITE PREPARATION**  
 SCALE: 1"=20'-0" PROJECT - 03-0868-002-01-02 STA. TO STA.

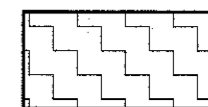




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

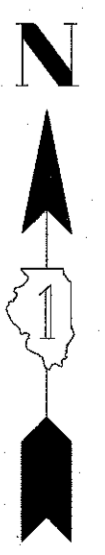
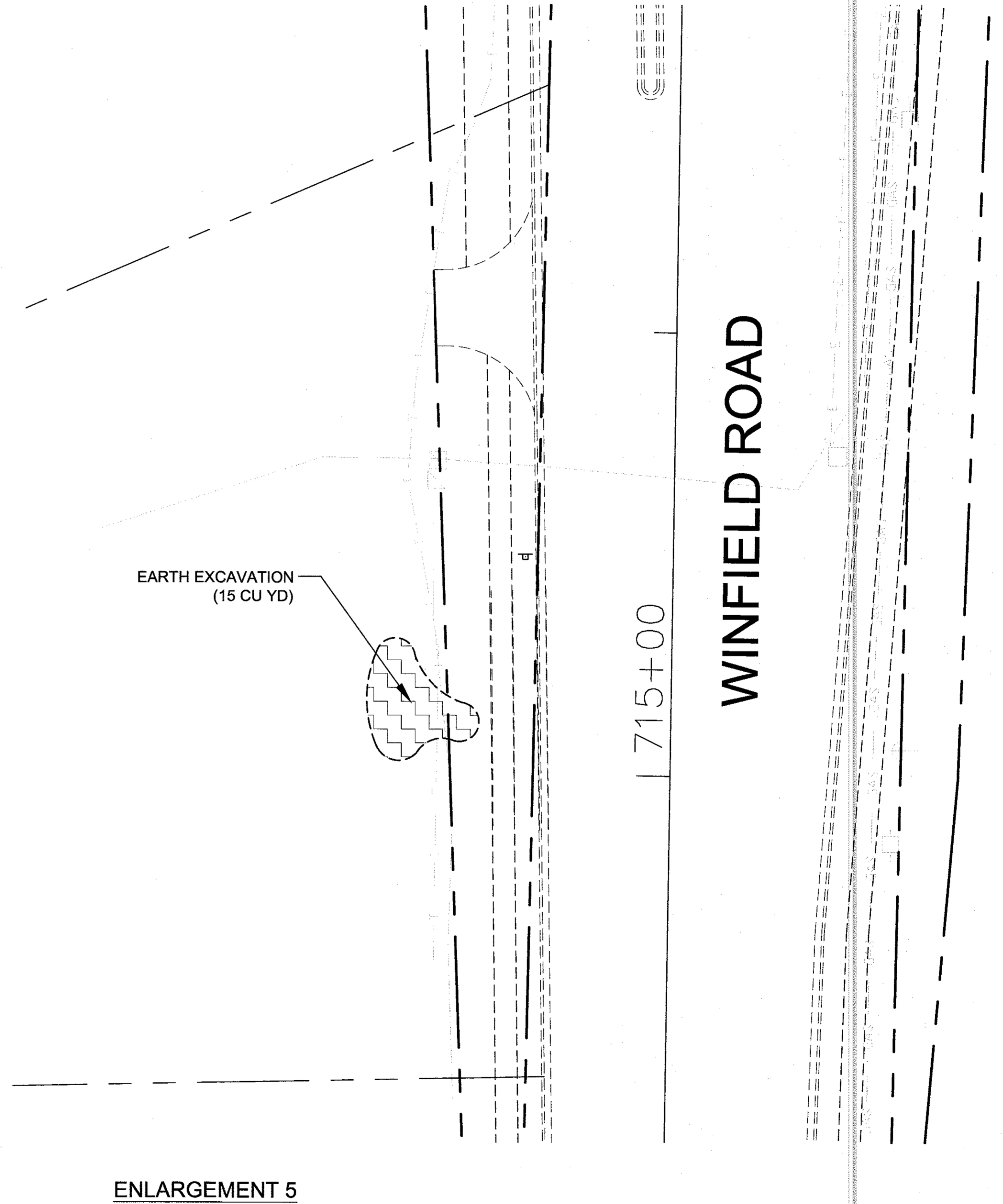


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 Plotted: 08.06.2017 By: MWOOD



REMOVALS AND SITE PREPARATION LEGEND

-  EARTH EXCAVATION
-  SELECTIVE CLEARING
-  TREE TRUNK PROTECTION
-  TEMPORARY FENCING
-  TREE REMOVAL



**HITCHCOCK DESIGN GROUP**  
 creating better places

DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

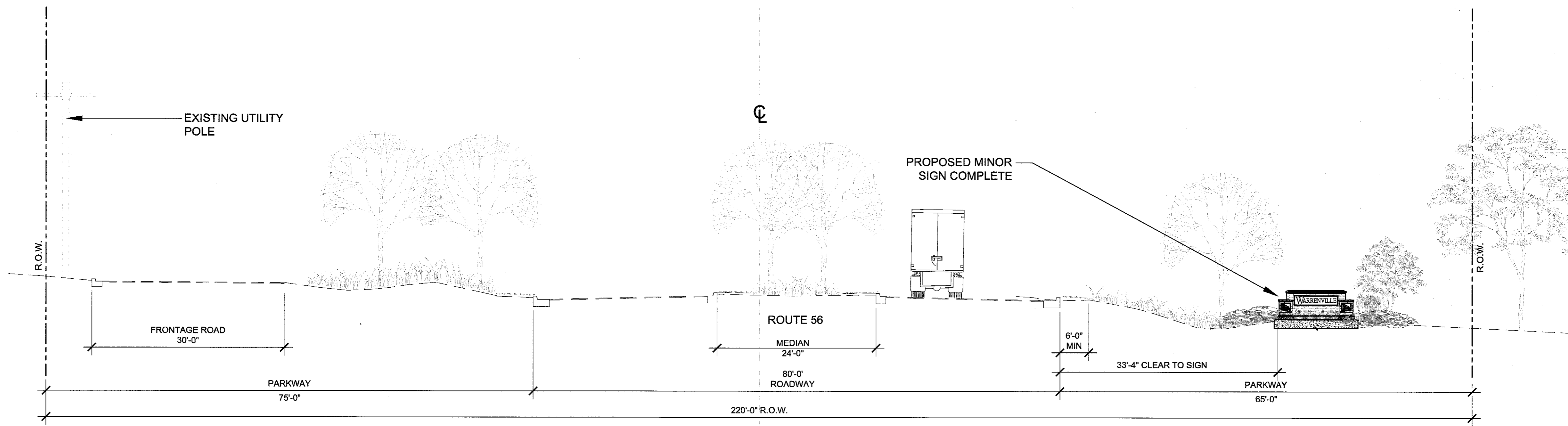
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVALS AND SITE PREPARATION**

SCALE: 1"=20'-0" PROJECT - 03-0868-002-01-02 STA. TO STA.

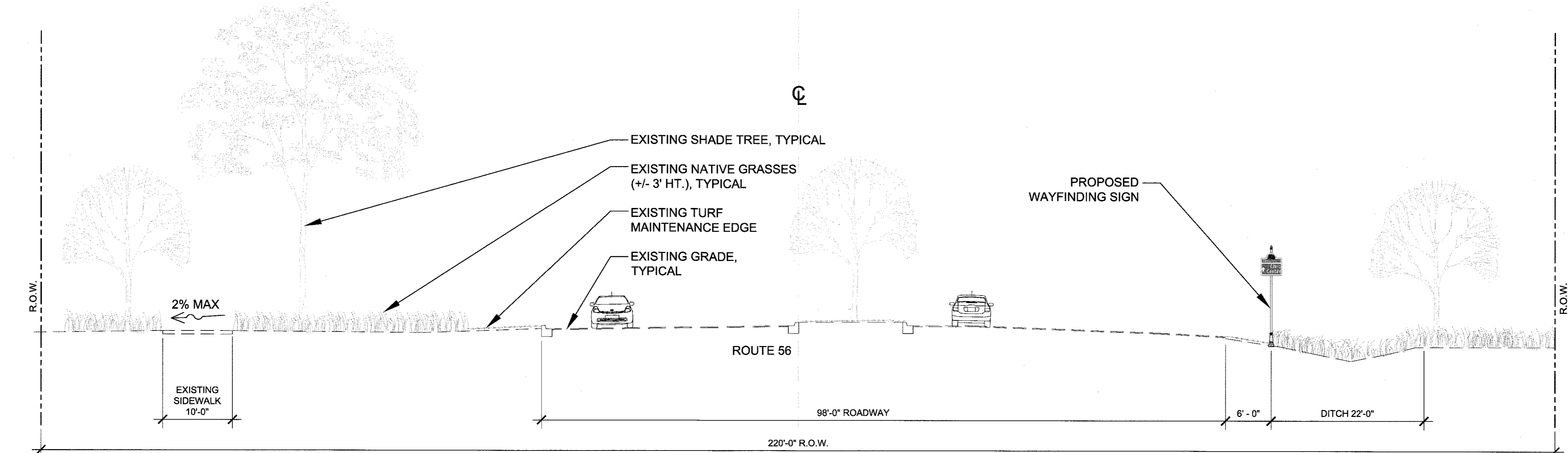
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	9
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**1** PROPOSED TYPICAL SECTION, ILLINOIS ROUTE 56  
STA 97+58

SCALE 1"=10'



**2** PROPOSED TYPICAL SECTION - TYPICAL WAYFINDING SIGN, ILLINOIS ROUTE 56  
STA 105+50

SCALE 1"=10'

- ROUTE 56 WAYFINDING SIGN LOCATIONS**
- WAYFINDING SIGN 1 - STA 104+58.05, 55.20'LT
  - WAYFINDING SIGN 2 - STA 105+89.33, 55.67'RT
  - WAYFINDING SIGN 5 - STA 147+05.37, 55.26'RT
  - WAYFINDING SIGN 6 - STA 167+22.58, 47.91'RT
  - WAYFINDING SIGN 7 - STA 196+02.84, 53.57'LT
  - WAYFINDING SIGN 8 - STA 218+62.04, 55.72'RT

J:\PROJECTS\ALPHA\ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITEMP ENHANCEMENTS\09 GRAPHICS\02 DD-CD\02-TYPICAL SECTIONS.DWG 10 (142)  
Plotted: 08.06.2017 By: MWOOD



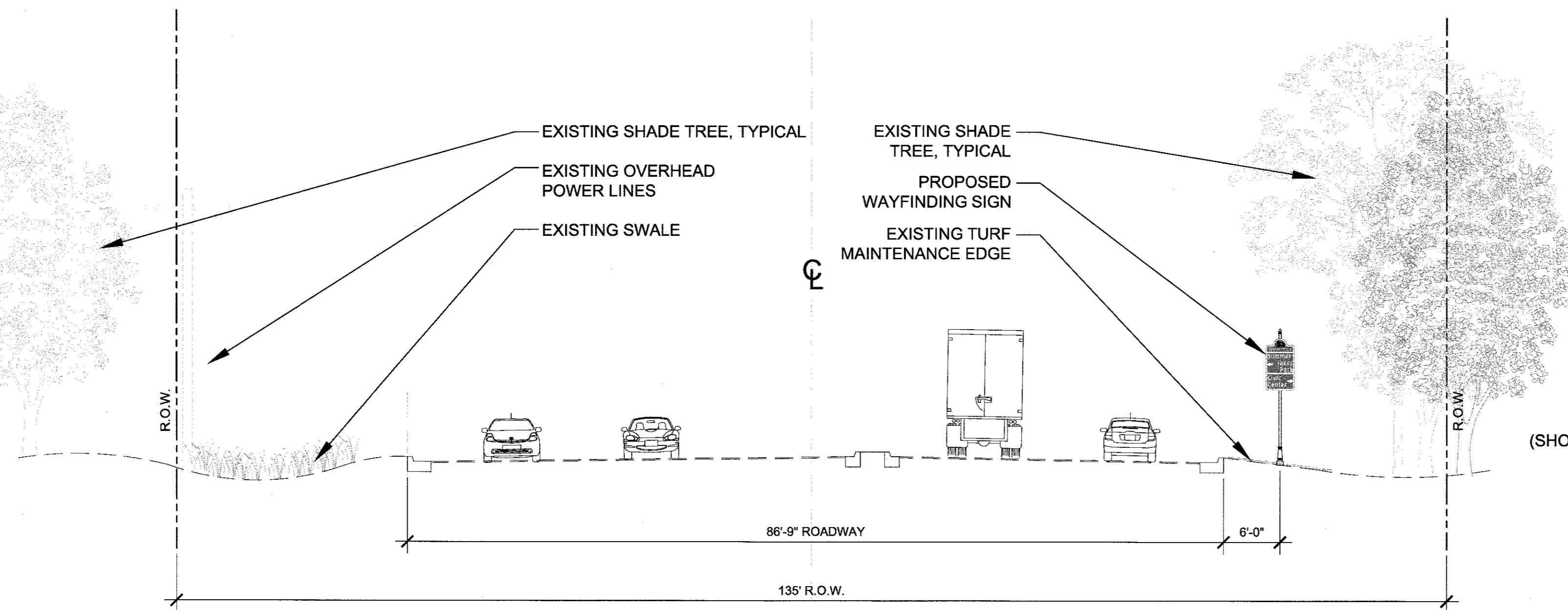
DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: AS SHOWN PROJECT - 03-0868-002-01-02 STA. TO STA.

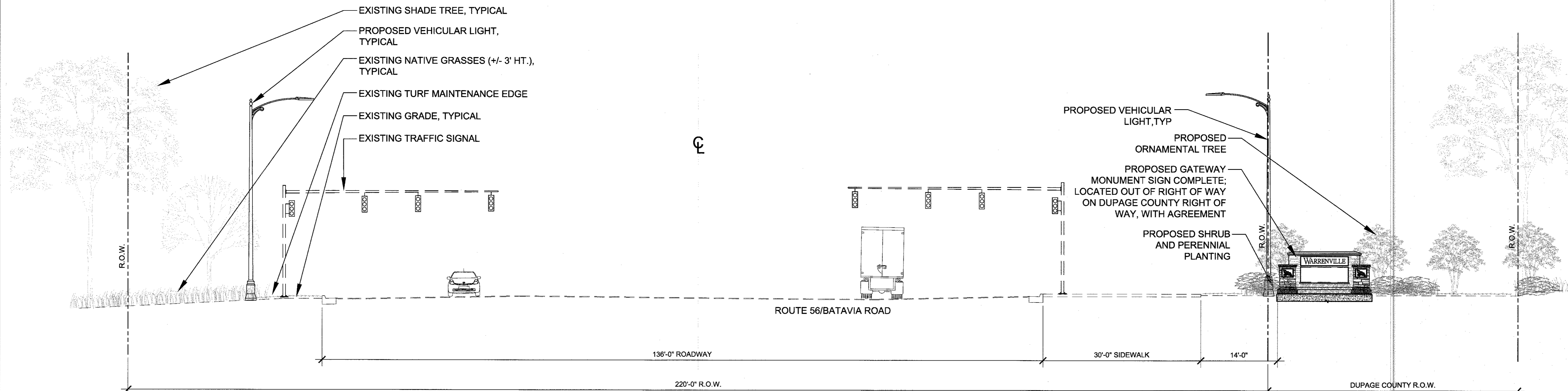
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	10
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**ROUTE 59 WAYFINDING SIGN LOCATIONS**  
 WAYFINDING SIGN 3 - STA 525+80.54, 41.60'LT  
 (SHOWN) WAYFINDING SIGN 4 - STA 510+67.17, 50.11' RT

**3 PROPOSED TYPICAL SECTION - TYPICAL WAYFINDING SIGN, ILLINOIS ROUTE 59**  
 STA 510+35

Scale: 1" = 10'



**4 PROPOSED TYPICAL SECTION - GATEWAY MONUMENT SIGN COMPLETE, ILLINOIS ROUTE 56**  
 STA 187+00

Scale: 1"=10'

J:\PROJECTS\ALPHA\ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITEP ENHANCEMENTS\09 GRAPHICS\02 DD-CD\02-TYPICAL SECTIONS.DWG 11 (3/24)



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

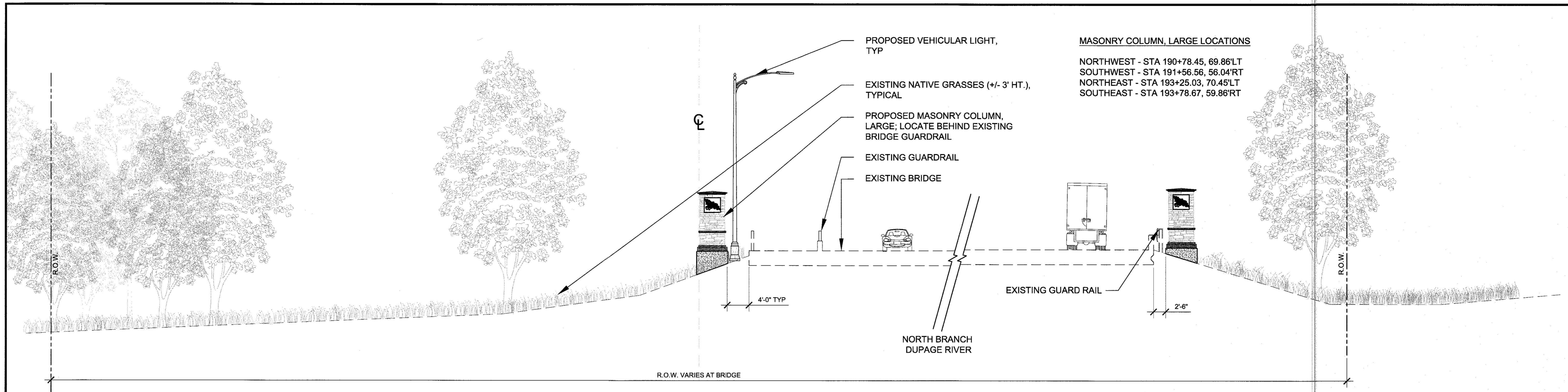
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

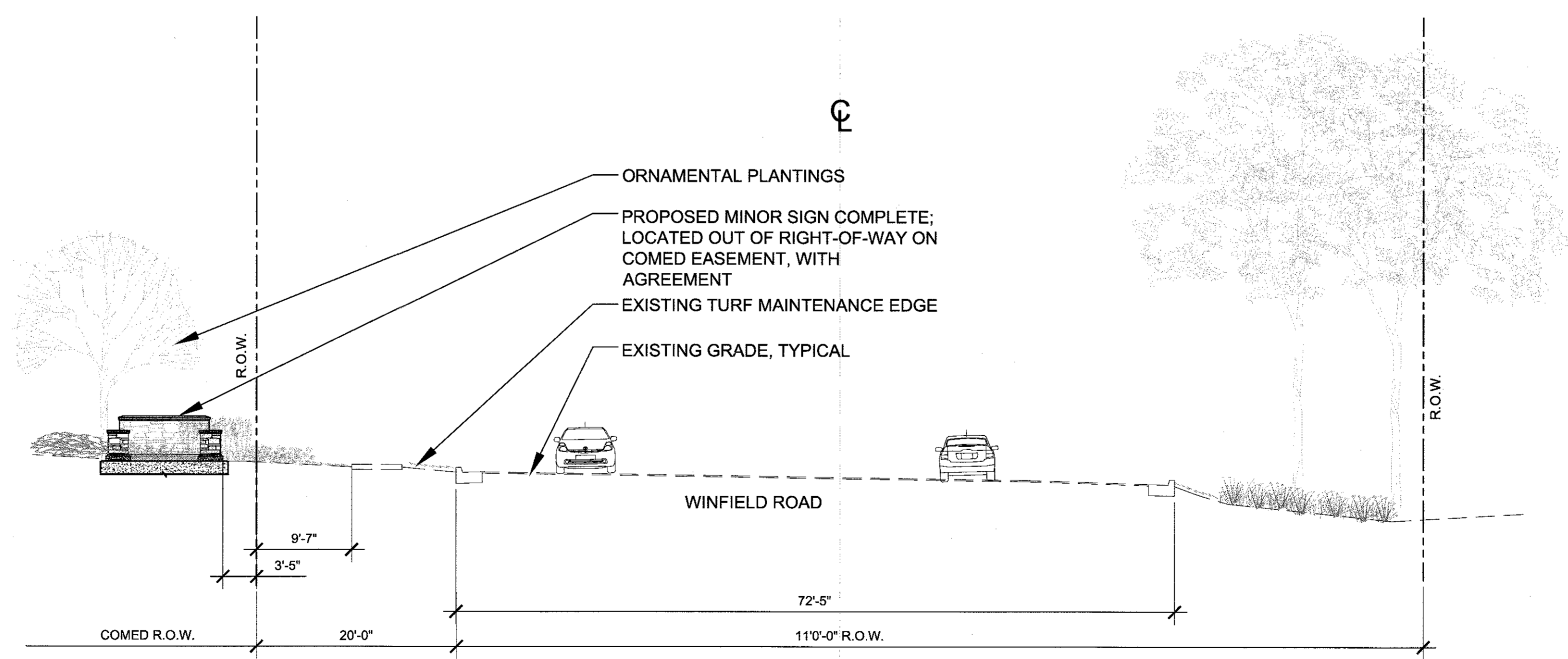
SCALE: AS SHOWN PROJECT - 03-0868-002-01-02 STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	11
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





**5** PROPOSED TYPICAL SECTION - TYPICAL MASONRY COLUMNS, ILLINOIS ROUTE 56  
 STA 191+28 Scale: 1"=10'



**6** PROPOSED TYPICAL SECTION - MINOR SIGN COMPLETE, WINFIELD ROAD  
 STA 715+10 Scale: 1"=10'

J:\PROJECTS\ALPHA\ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 (ITEP ENHANCEMENTS)\09 GRAPHICS\02 DD-CD\02-TYPICAL SECTIONS.DWG 12 (5&6)  
 Plofted: 08/06/2017 By: MW000



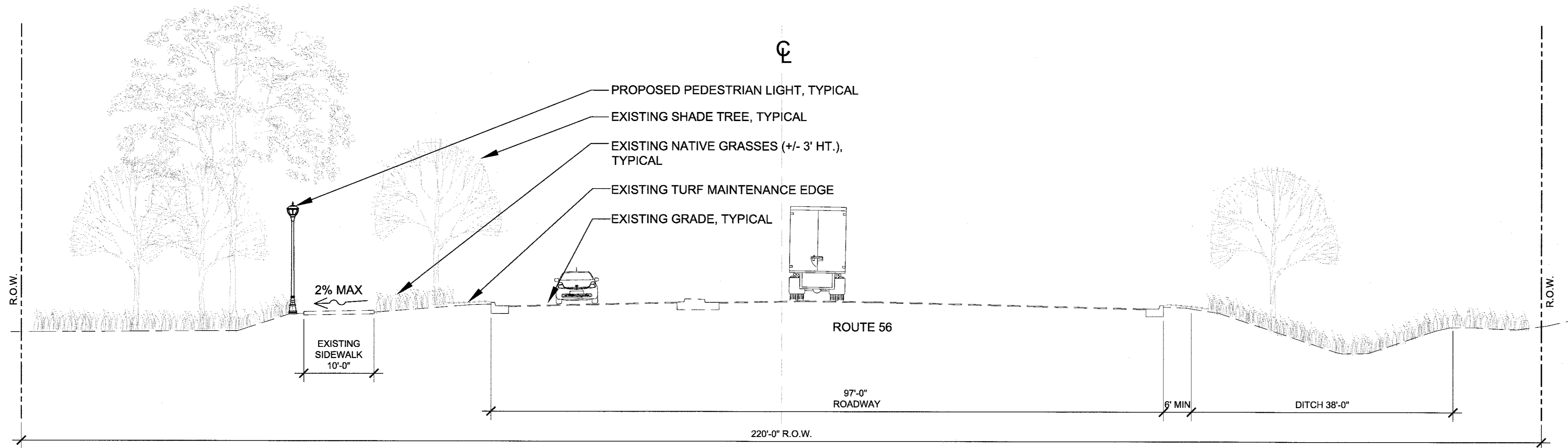
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DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

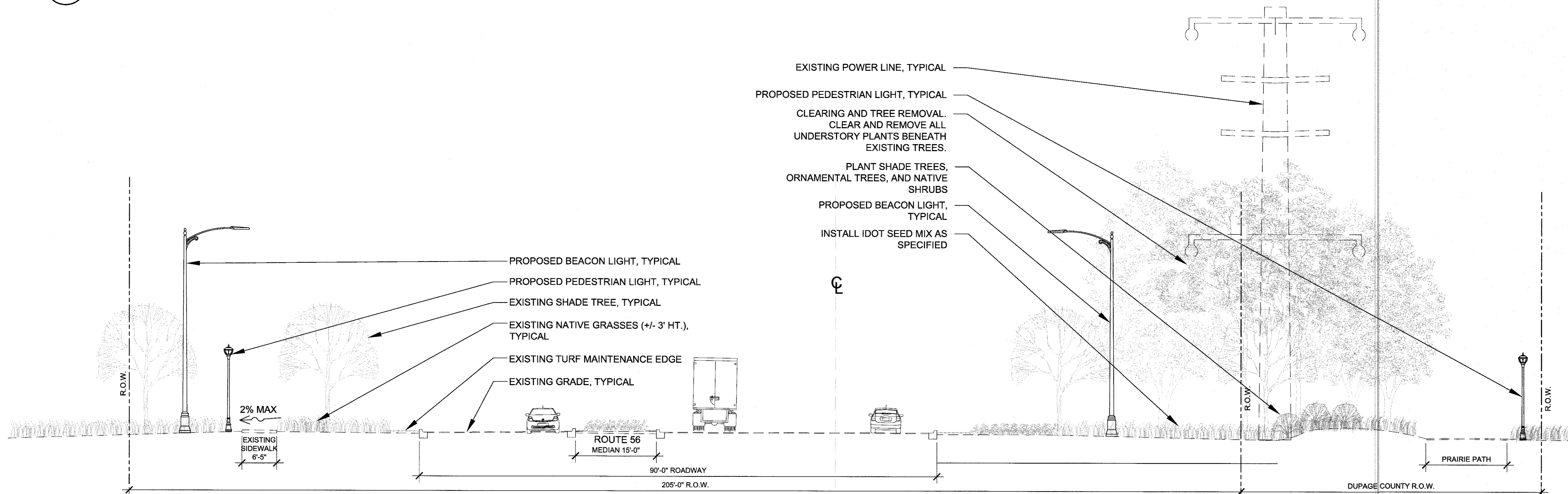
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	12
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



**1** PROPOSED TYPICAL SECTION - LIGHTING, ILLINOIS ROUTE 56  
STA 155+00 TO 176+00

Scale: 1" = 10'



**2** PROPOSED TYPICAL SECTION-LIGHTING, ILLINOIS ROUTE 56  
STA 176+00 TO 177+20

Scale: 1" = 10'

J:\PROJECTS\ALPHA\ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITEP ENHANCEMENTS\09 GRAPHICS\02 DD-CD\02-TYPICAL SECTIONS-LIGHTING.DWG 13 (1&2)  
Plotted: 07/06/2017 By: MWOOD



**HITCHCOCK DESIGN GROUP**  
creating better places

DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

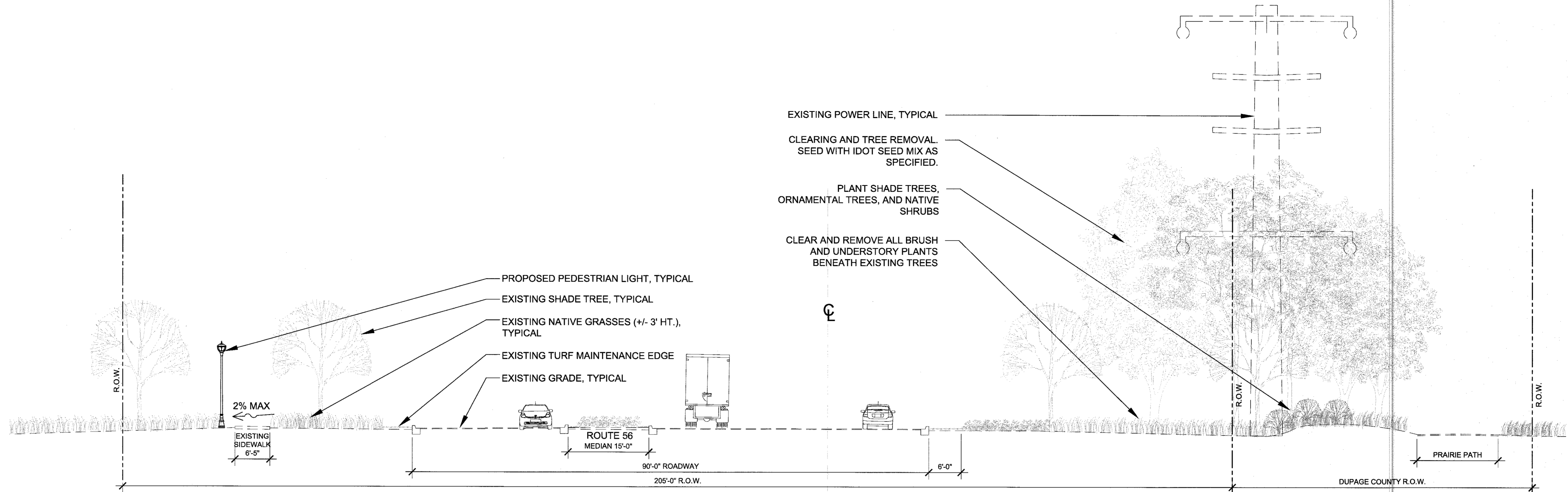
SCALE: AS SHOWN

PROJECT - 03-0868-002-01-02 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

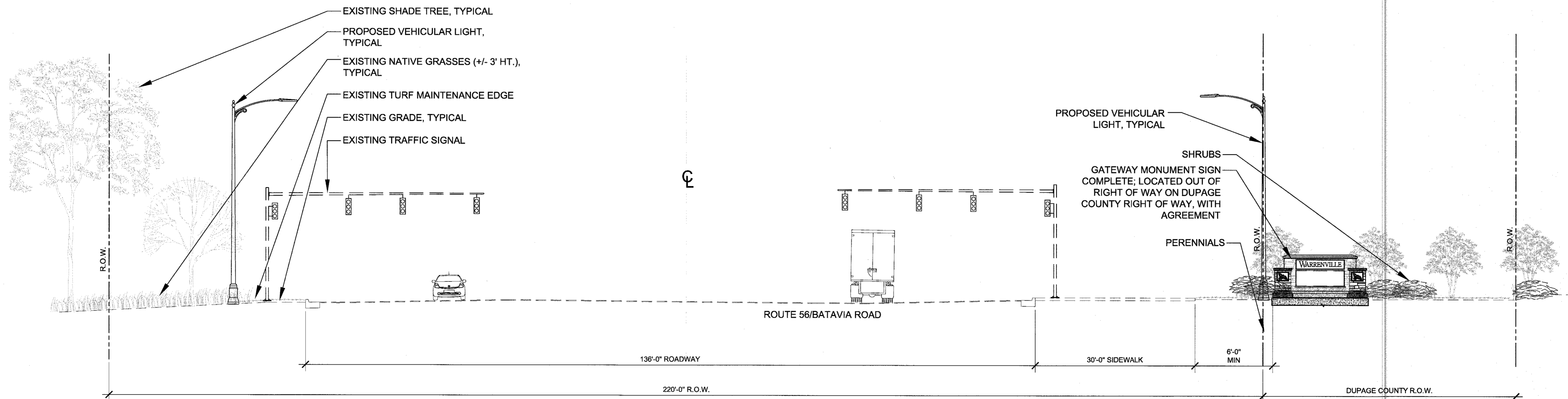


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 Plotted: 07.06.2017 By: MW000



**3** PROPOSED TYPICAL SECTION - LIGHTING, ILLINOIS ROUTE 56  
 STA 177+20 TO 183+00

Scale: 1"=10'



**4** PROPOSED TYPICAL SECTION-LIGHTING, ILLINOIS ROUTE 56  
 STA 183+00 TO 190+00

Scale: 1"=10'



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

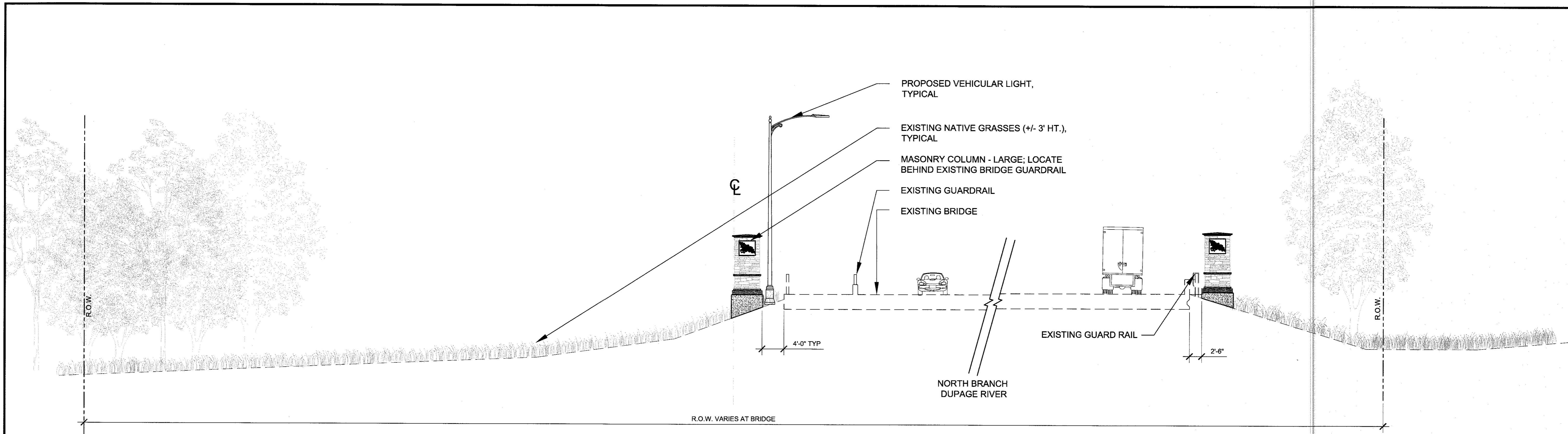
TYPICAL SECTIONS

SCALE: AS SHOWN

PROJECT - 03-0868-002-01-02 STA. TO STA.

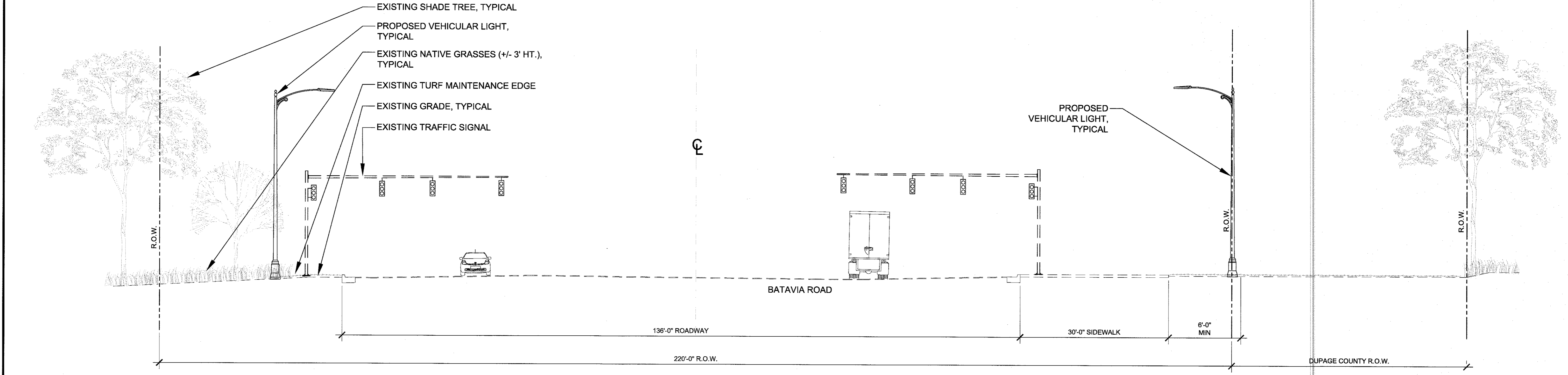
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0365	11-00033-00-LS	DUPAGE	64	14
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

J:\PROJECTS\ALPHA\ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITEP ENHANCEMENTS\09 GRAPHICS\02 DD-CD\02-TYPICAL SECTIONS-LIGHTING.DWG 15 (5&6)  
 Plotted: 07.06.2017 By: MWOOD



**5** PROPOSED TYPICAL SECTION - LIGHTING, ILLINOIS ROUTE 56  
 STA 190+60 TO 193+50

Scale: 1"=10'



**6** PROPOSED TYPICAL SECTION - LIGHTING, ILLINOIS ROUTE 56  
 STA 609+00 TO 621+20

Scale: 1"=10'



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

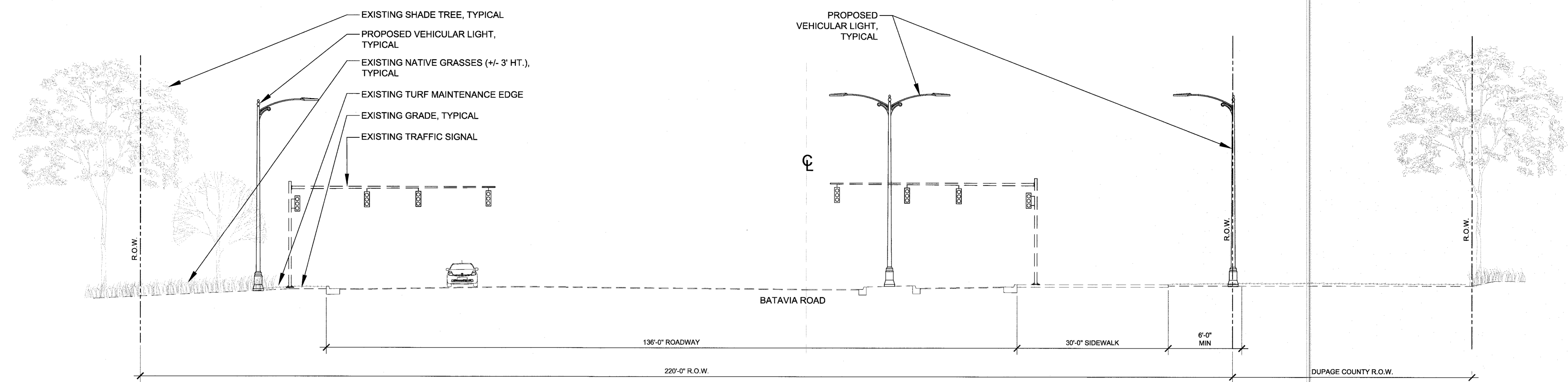
TYPICAL SECTIONS

SCALE: AS SHOWN PROJECT - 03-0868-002-01-02 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0365	11-00033-00-LS	DUPAGE	64	15
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



J:\PROJECTS\ALPHA\ENGINEERING\RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITEP ENHANCEMENTS\09 GRAPHICS\02 DD-CD\02-TYPICAL SECTIONS-LIGHTING.DWG 16 (7)  
 Plotted: 07/06/2017 By: MWOOD



**7** PROPOSED TYPICAL SECTION - LIGHTING, BATAVIA ROAD  
 STA 613+00 TO 616+00

Scale: 1"=10'



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

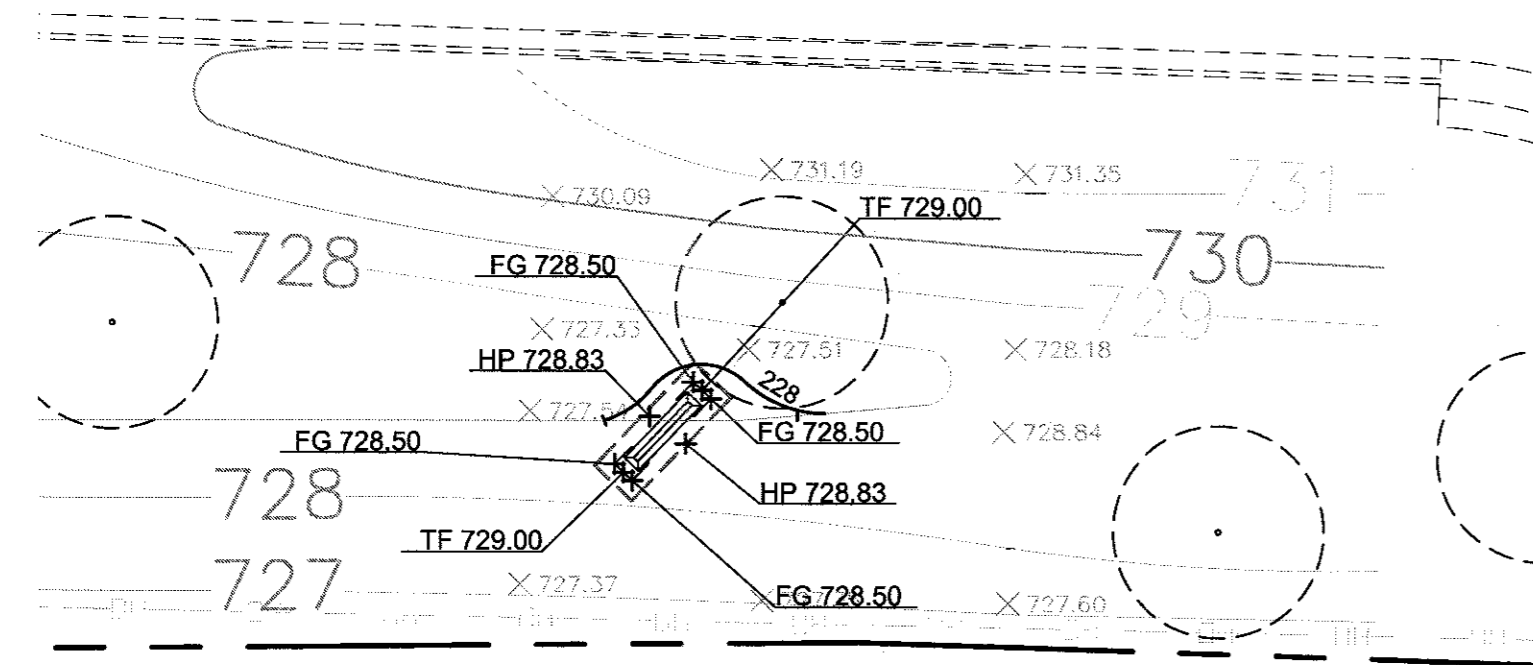
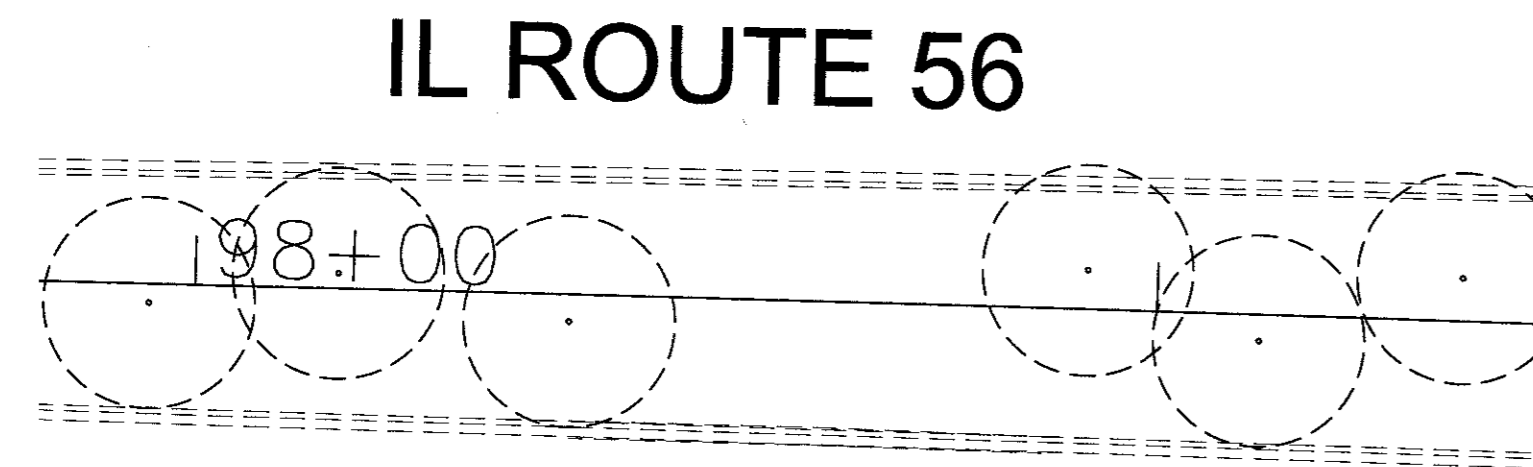
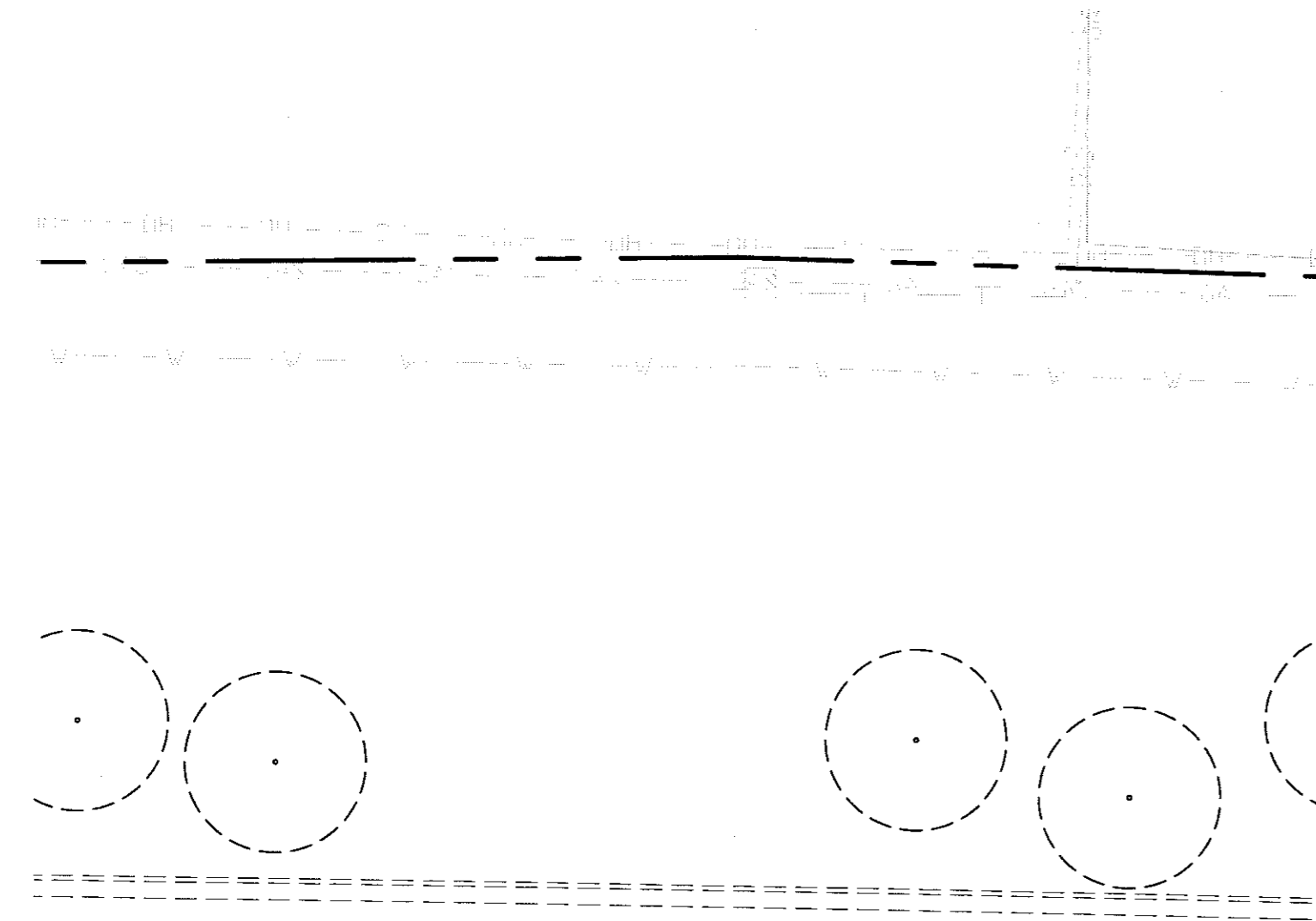
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: AS SHOWN PROJECT - 03-0868-002-01-02 STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

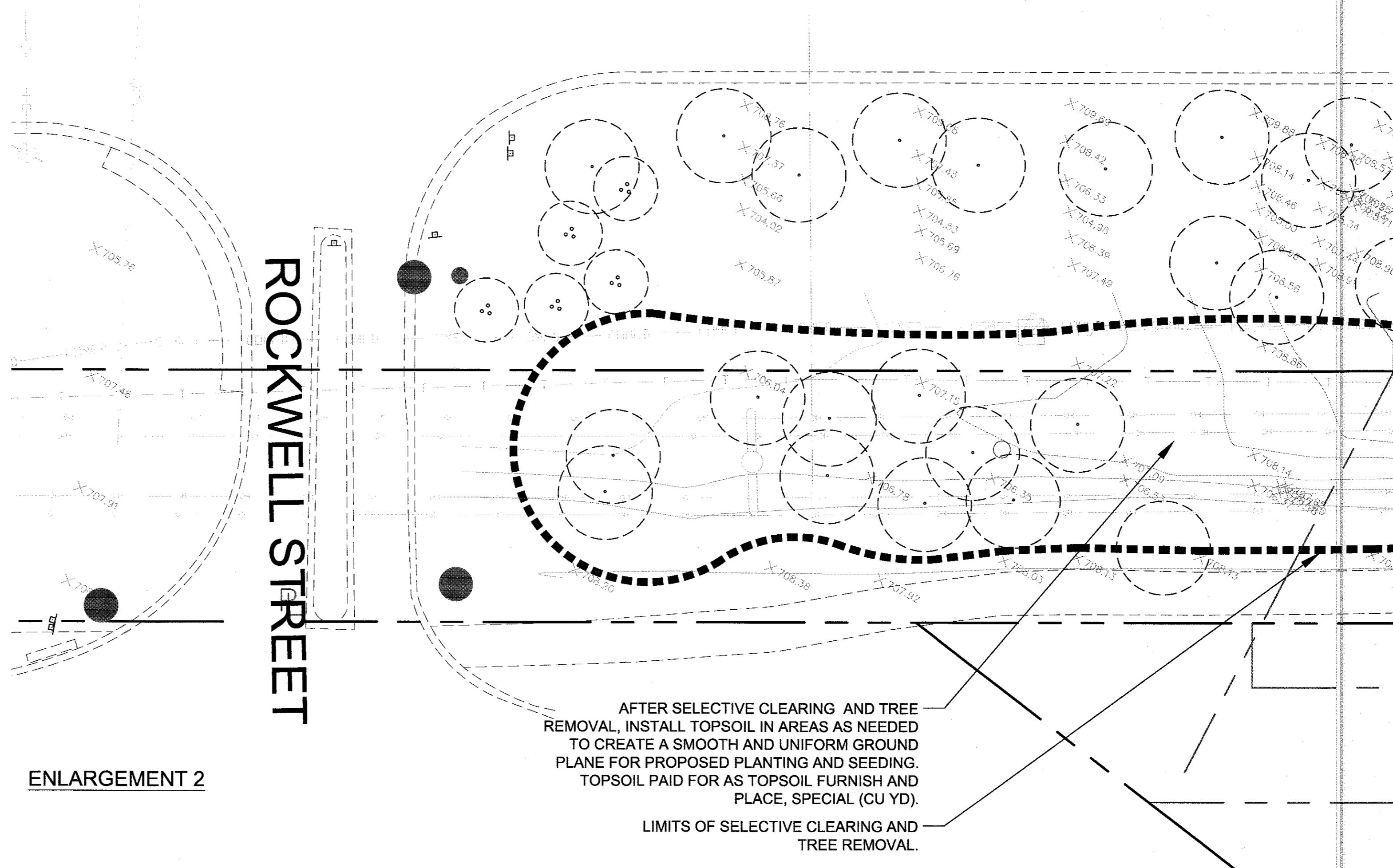
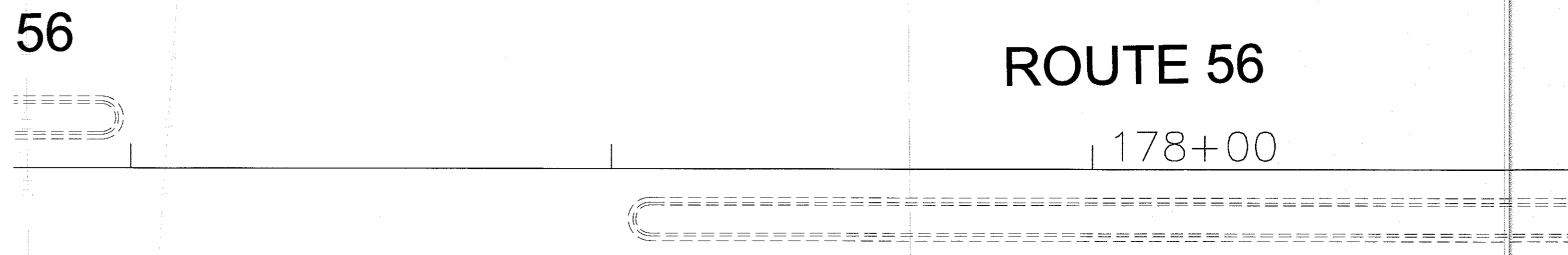
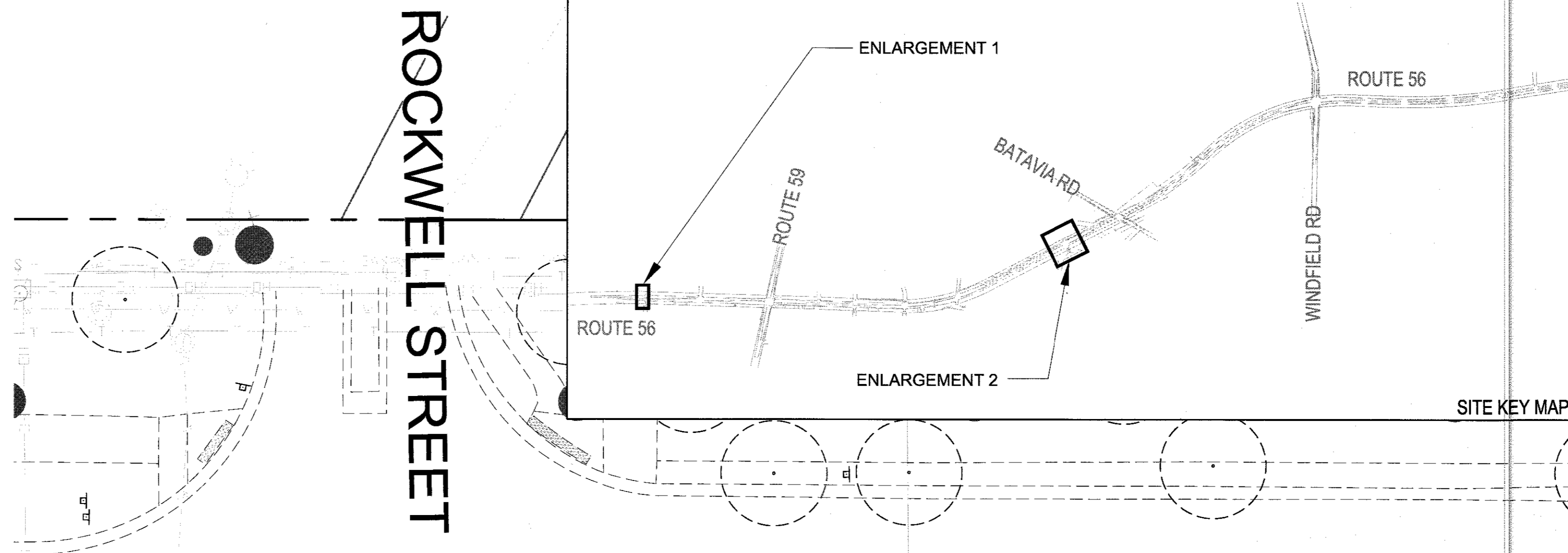
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 Plotted: 08/06/2017 By: MWOOD



ENLARGEMENT 1

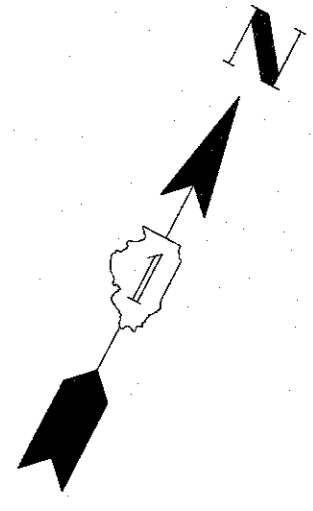
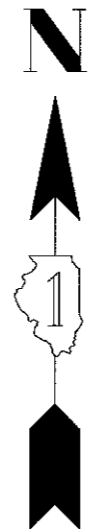


DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -



GRADING LEGEND

+ 797.00	SPOT ELEVATION
+ HP 797.00	HIGH POINT
+ TF 797.00	TOP OF FOUNDATION
+ FG 797.00	FINISH GRADE
— 99 —	CONTOUR (1 FOOT)
— 100 —	CONTOUR (5 FOOT)
⊗	SOIL BORING



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GRADING

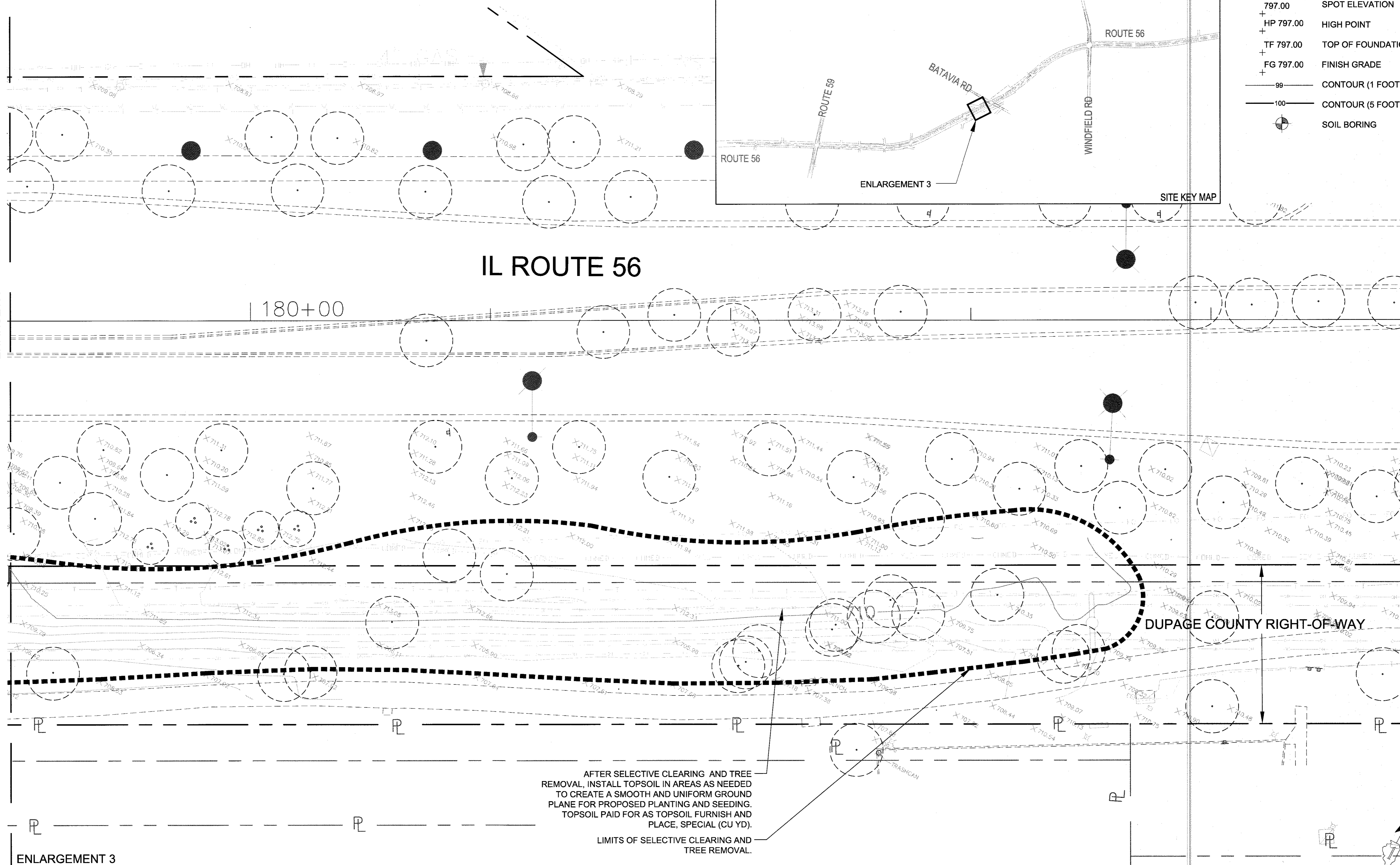
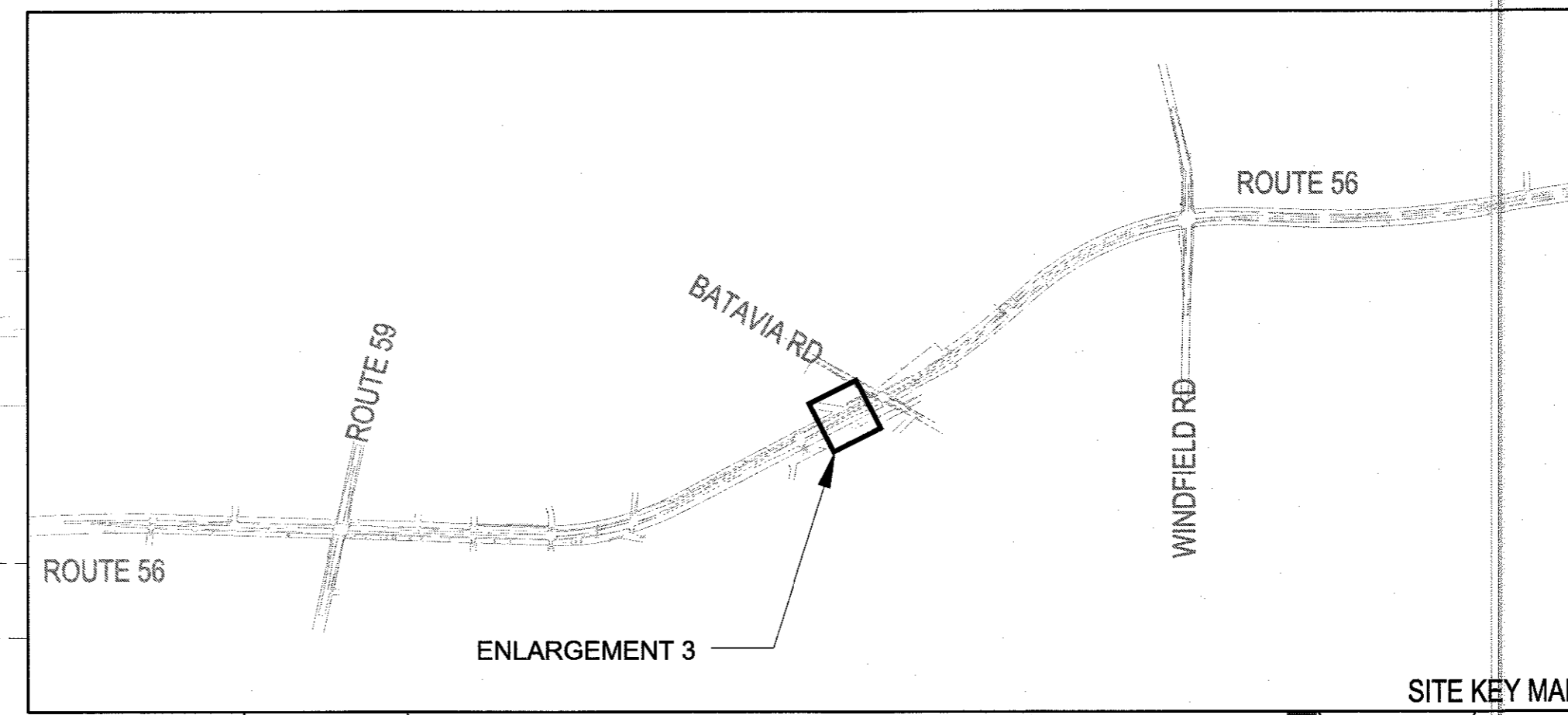
SCALE: 1"=20'-0" PROJECT -03-0868-002-01-02 STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	17
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D93	



**GRADING LEGEND**

797.00	SPOT ELEVATION
+ HP 797.00	HIGH POINT
+ TF 797.00	TOP OF FOUNDATION
+ FG 797.00	FINISH GRADE
— 99 —	CONTOUR (1 FOOT)
— 100 —	CONTOUR (5 FOOT)
⊗	SOIL BORING



AFTER SELECTIVE CLEARING AND TREE REMOVAL, INSTALL TOPSOIL IN AREAS AS NEEDED TO CREATE A SMOOTH AND UNIFORM GROUND PLANE FOR PROPOSED PLANTING AND SEEDING. TOPSOIL PAID FOR AS TOPSOIL FURNISH AND PLACE, SPECIAL (CU YD).

LIMITS OF SELECTIVE CLEARING AND TREE REMOVAL.

MATCHLINE  
STA 179+00.  
SEE SHEET 17

ENLARGEMENT 3



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

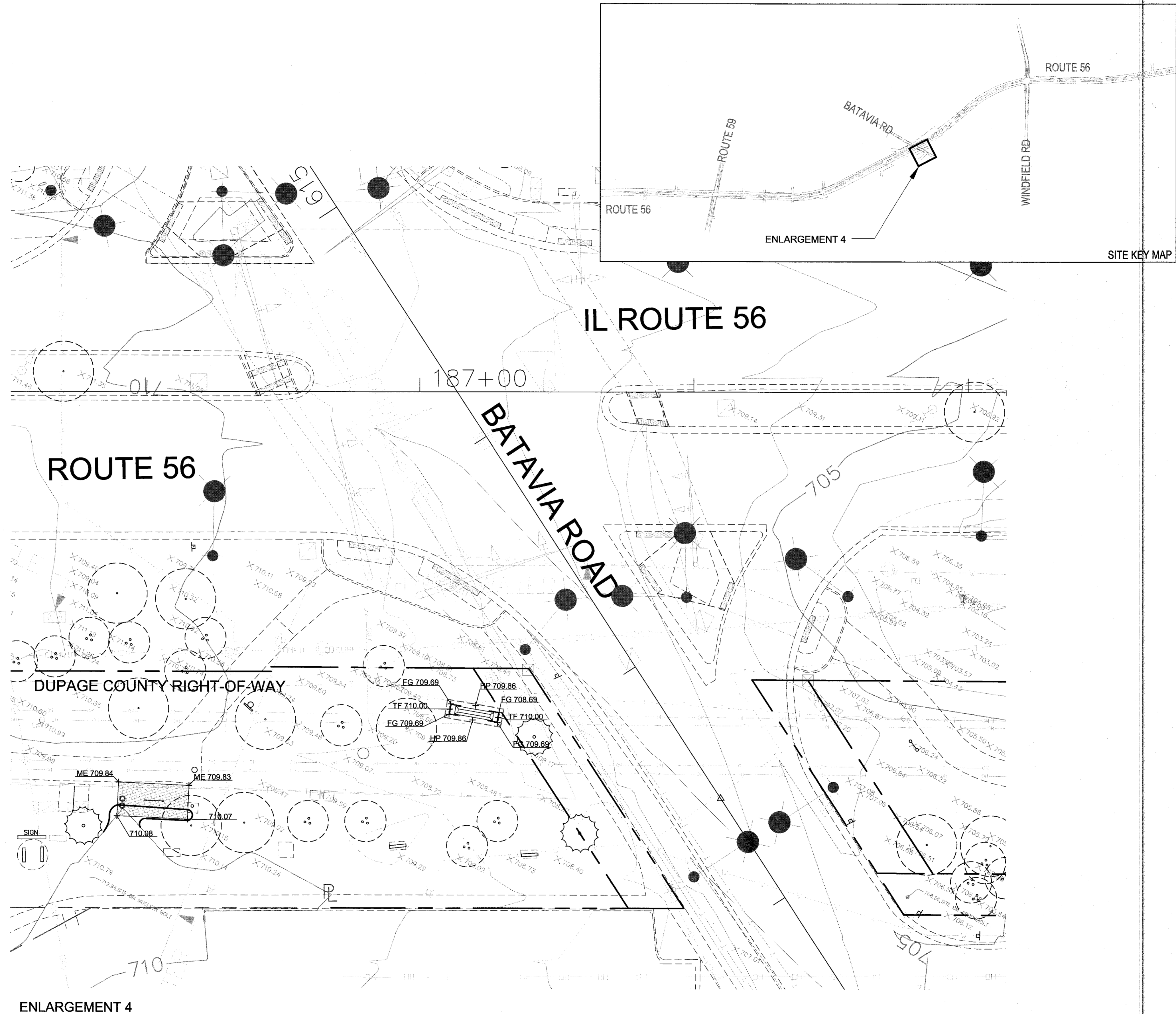
GRADING

SCALE: 1"=20'-0" PROJECT - 03-0868-002-01-02 STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	18
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

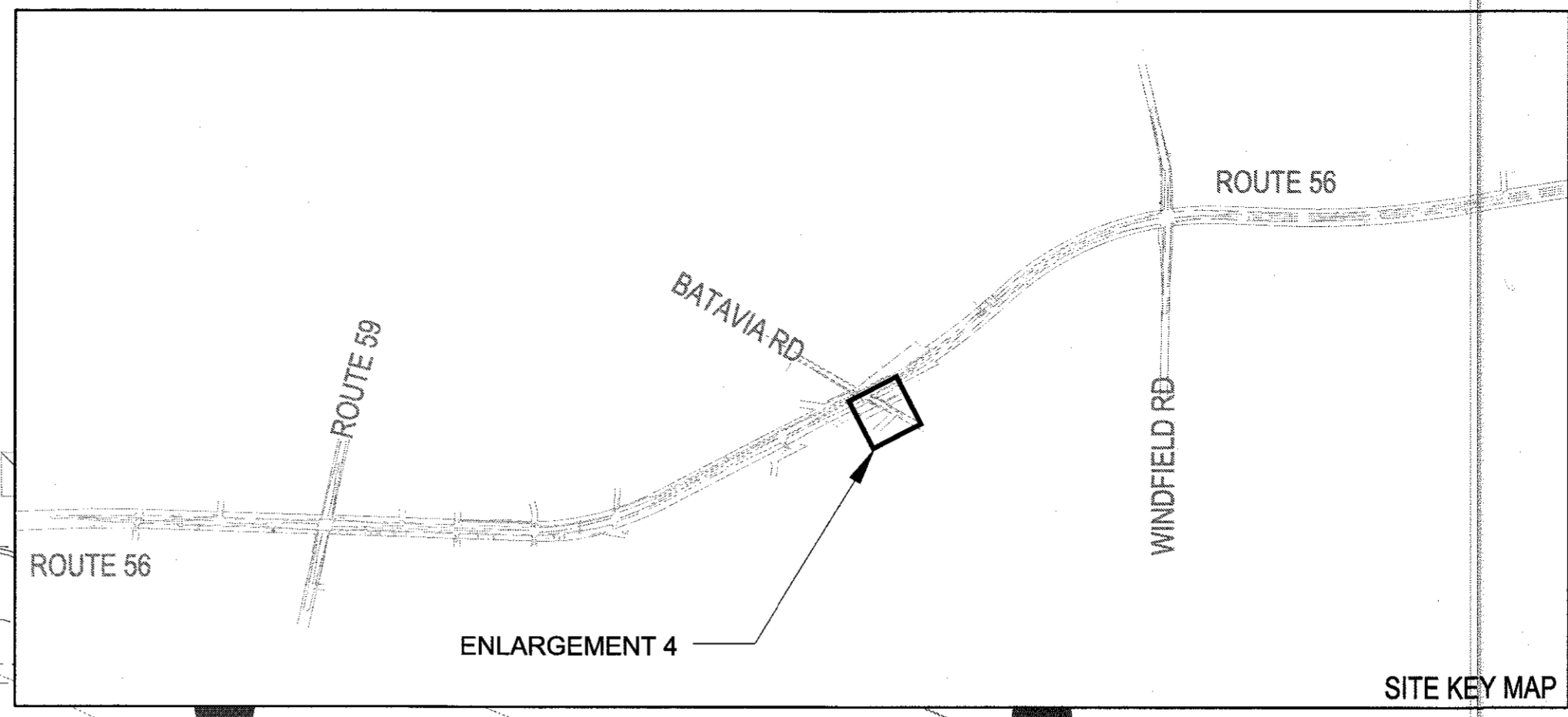
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Plotted: 06.06.2017 By: MNUCDD

J:\PROJECTS\ALPHA\ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITEMP ENHANCEMENTS\03 GRAPHICS\02 DD-CD\04-GRADING.DWG 19  
 Plotted: 08/06/2017 By: MWOOD



**GRADING LEGEND**

797.00	SPOT ELEVATION
+ HP 797.00	HIGH POINT
+ TF 797.00	TOP OF FOUNDATION
+ FG 797.00	FINISH GRADE
— 99 —	CONTOUR (1 FOOT)
— 100 —	CONTOUR (5 FOOT)
⊙	SOIL BORING



ENLARGEMENT 4



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GRADING

SCALE: 1"=20'-0" PROJECT - 03-0868-002-01-02 STA. TO STA.

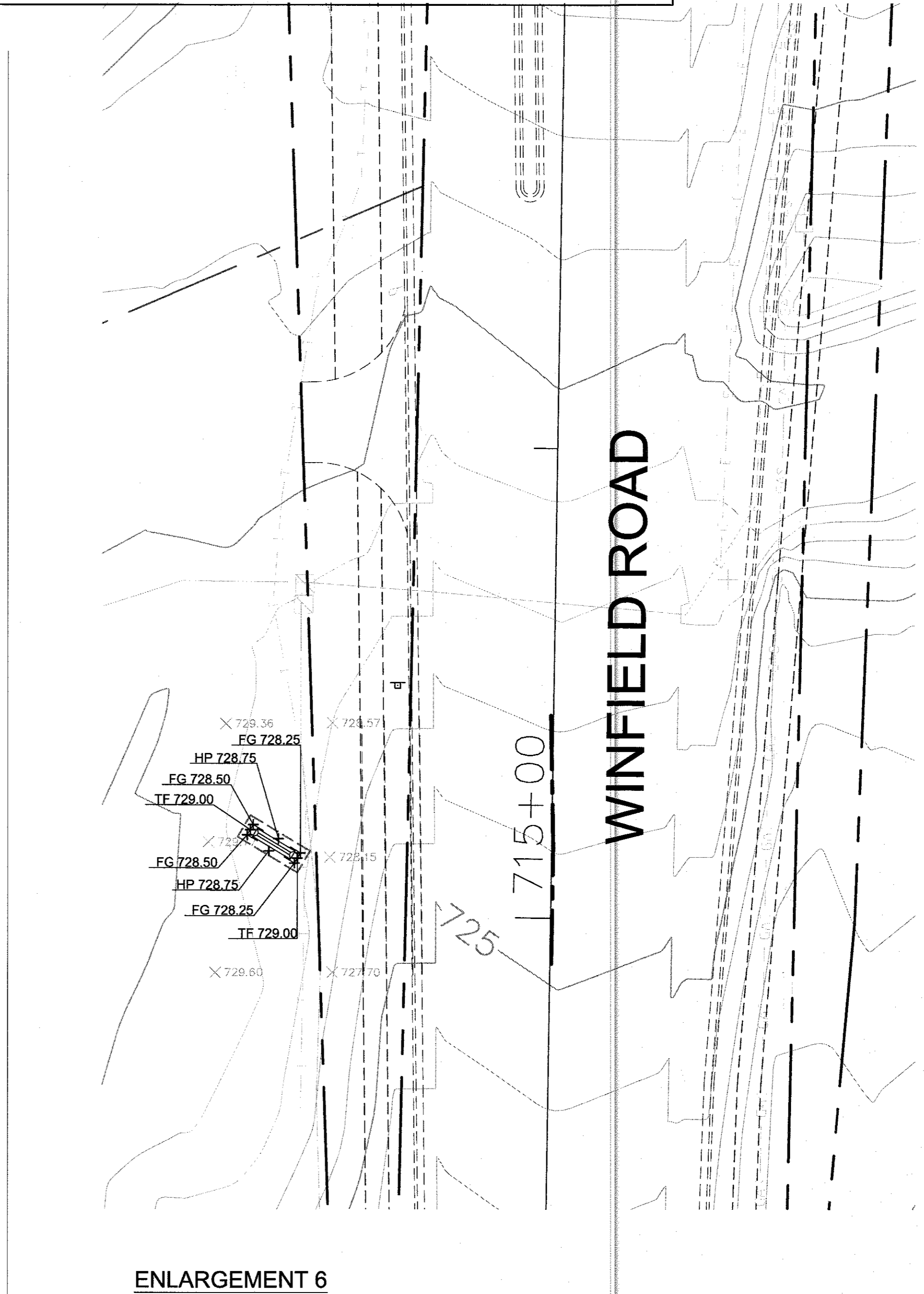
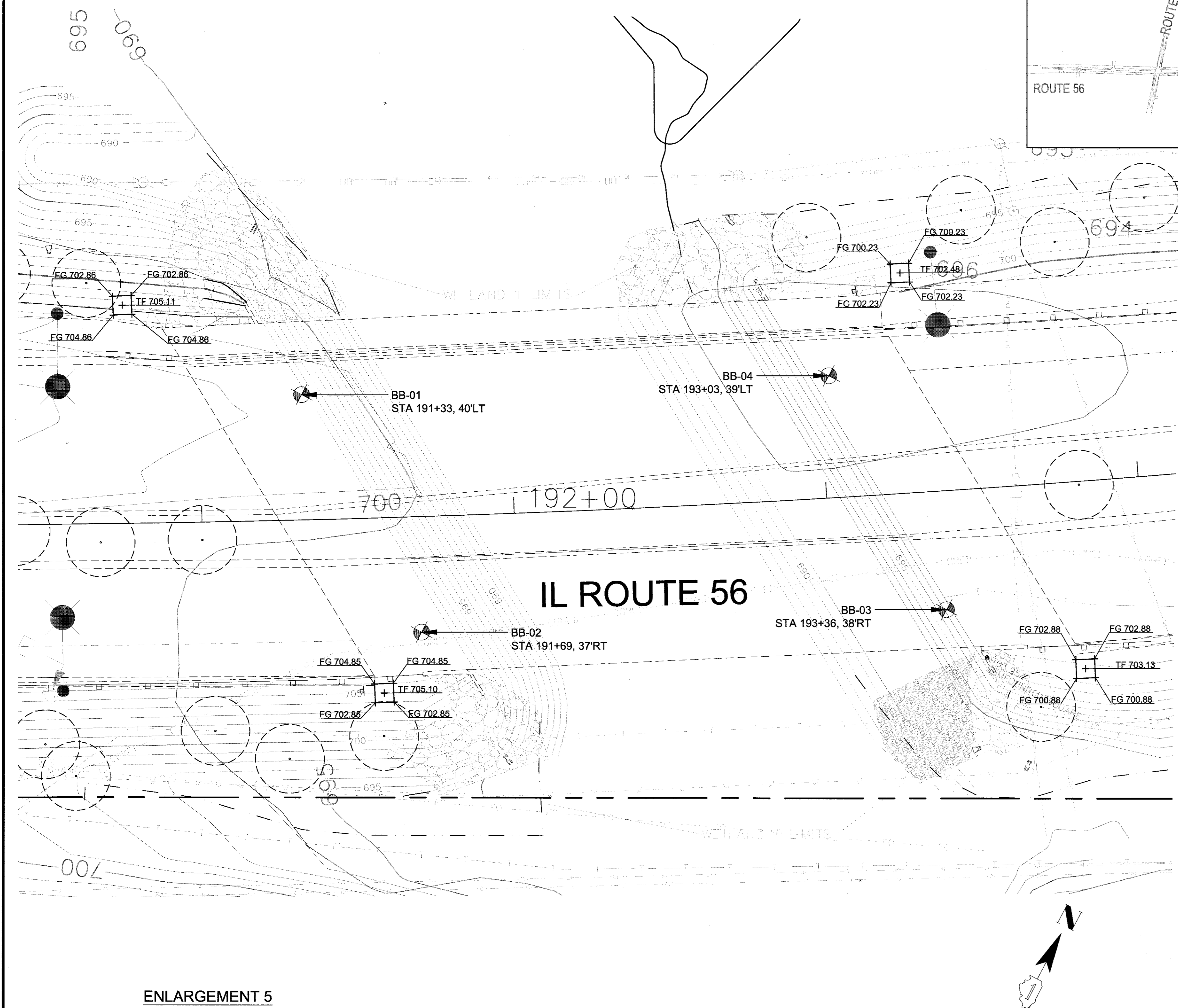
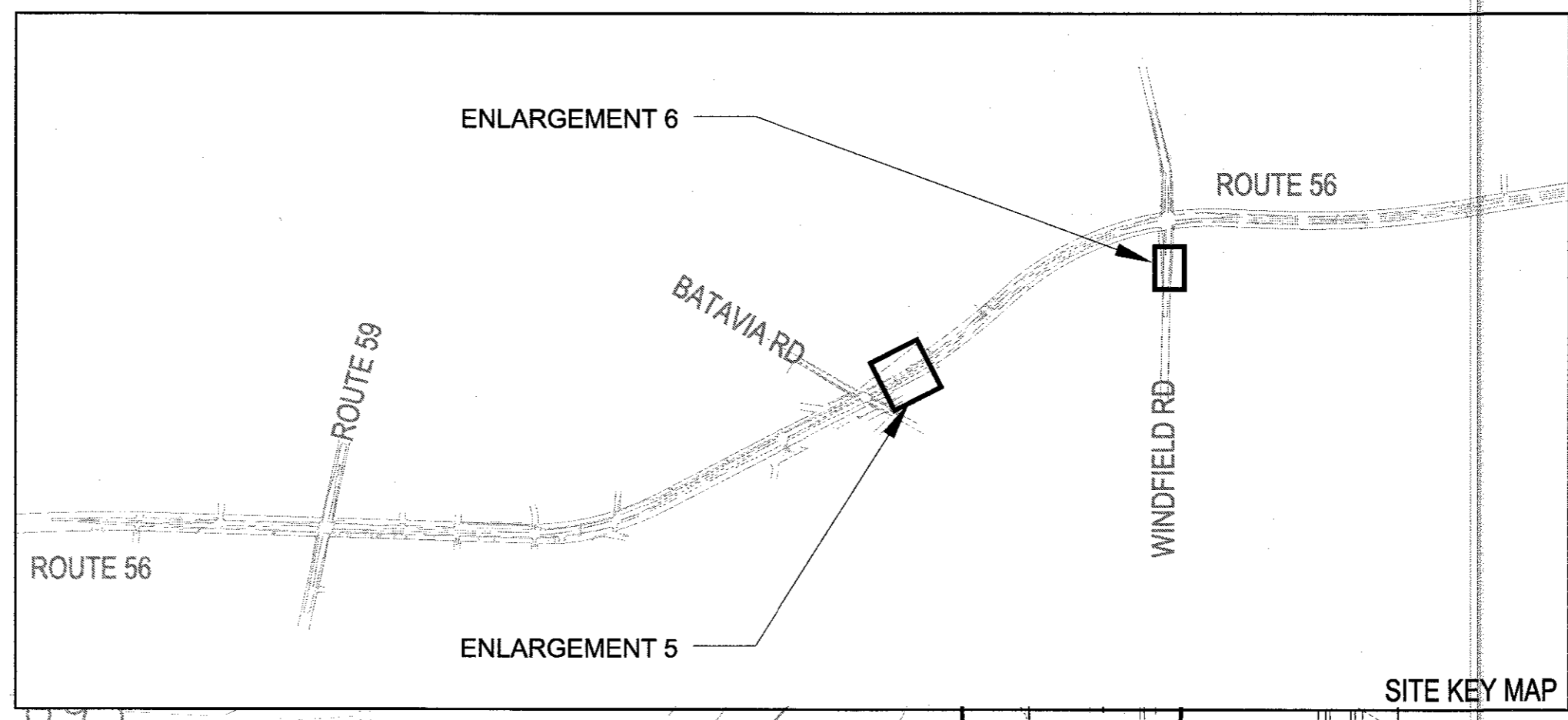
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	19
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



J:\PROJECTS\ALPHA\ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITEMP ENHANCEMENTS\03 GRAPHICS\02 DD-03\04-GRADING.DWG 20  
 Plotted: 08/06/2017 By: MWOOD

**GRADING LEGEND**

797.00	SPOT ELEVATION
+ HP 797.00	HIGH POINT
+ TF 797.00	TOP OF FOUNDATION
+ FG 797.00	FINISH GRADE
— 99 —	CONTOUR (1 FOOT)
— 100 —	CONTOUR (5 FOOT)
⊗	SOIL BORING



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GRADING**

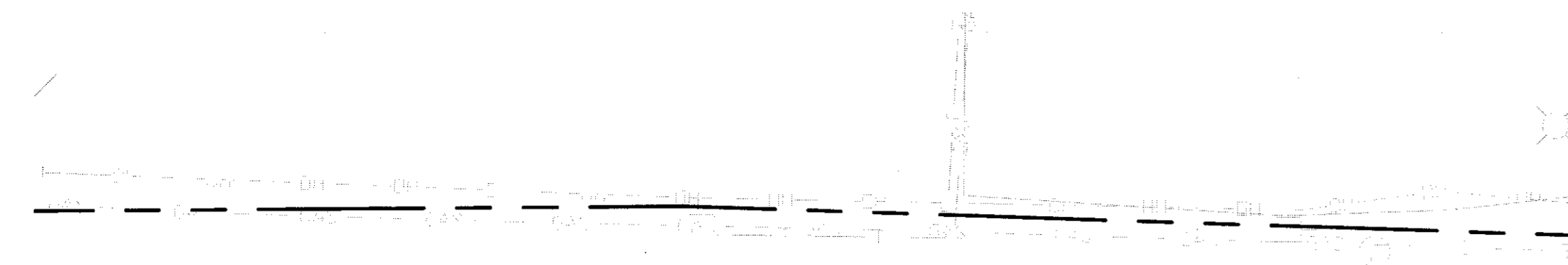
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PROJECT - 03-0868-002-01-02 STA.

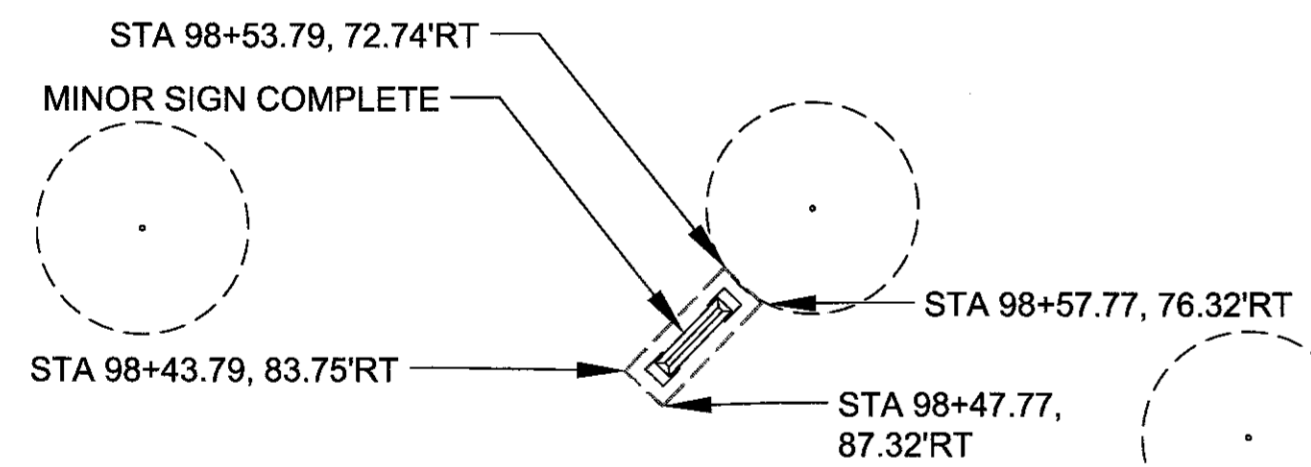
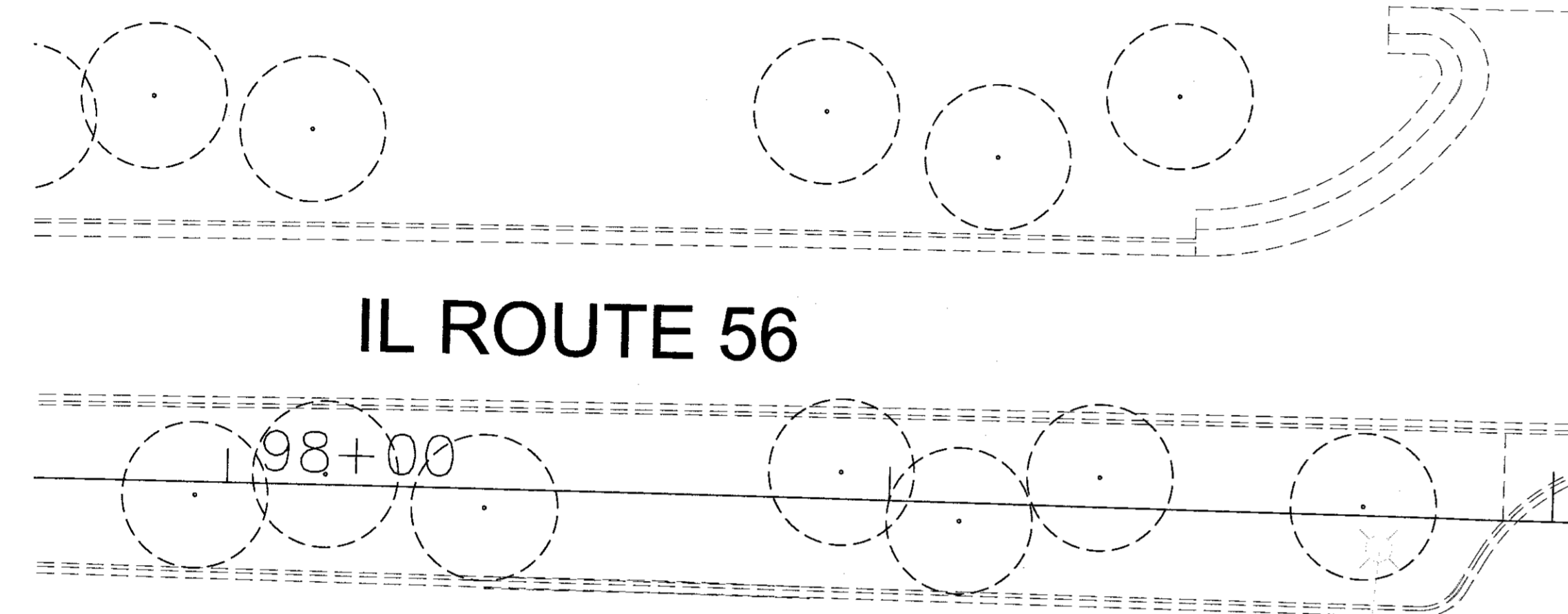
TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	20
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

J:\PROJECTS\ALPHA\ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITEP ENHANCEMENTS\09 GRAPHICS\02 DD-CD\05-LAYOUT AND MATERIALS.DWG 21  
 Plotted: 08.06.2017 By: MWOOD



IL ROUTE 56



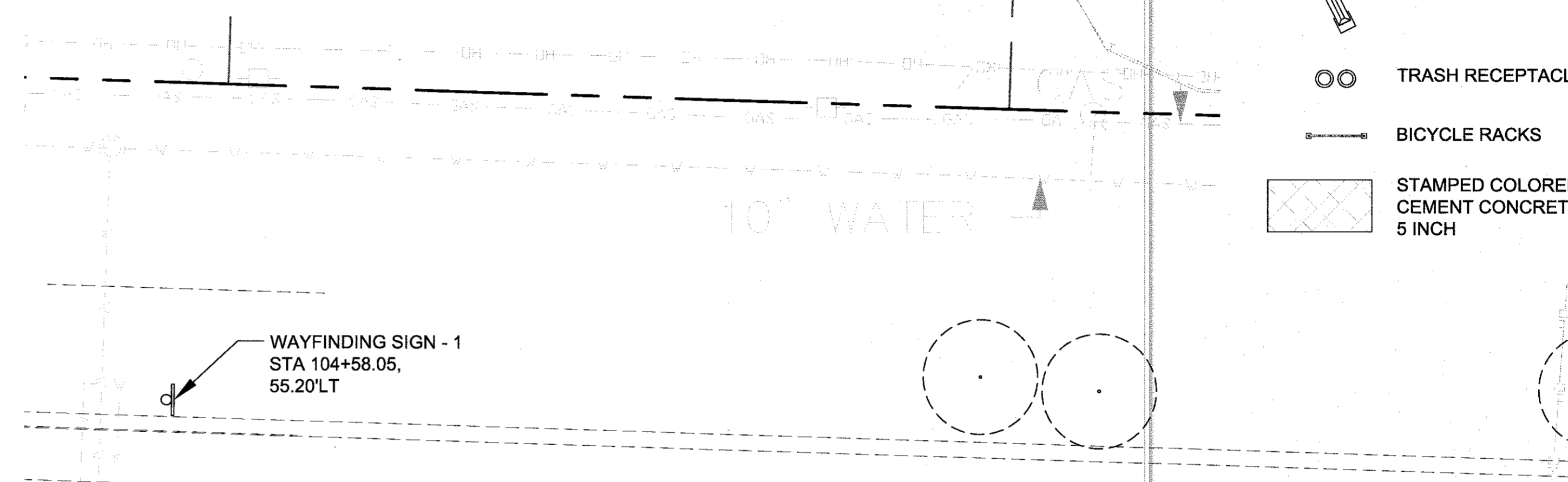
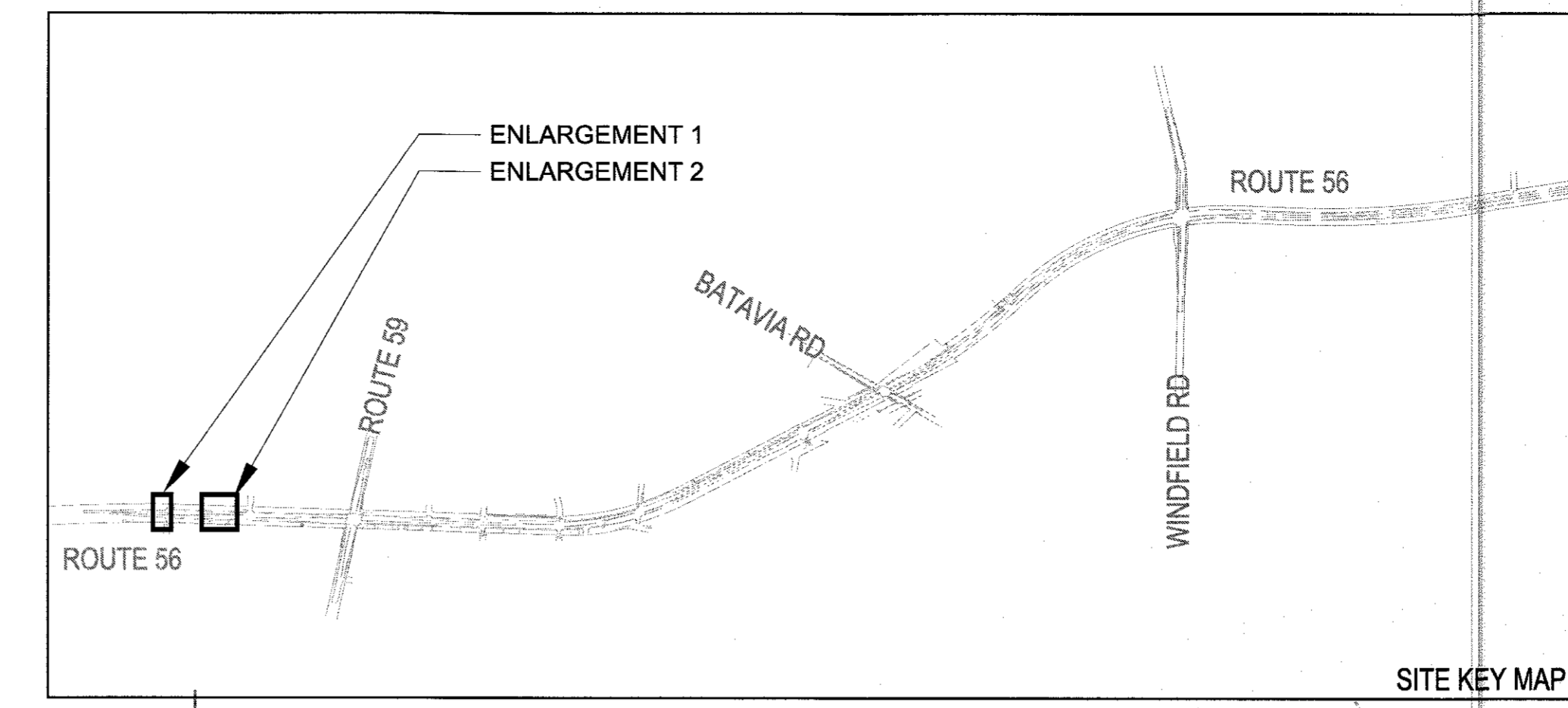
BRIGGS AVE

ENLARGEMENT 1

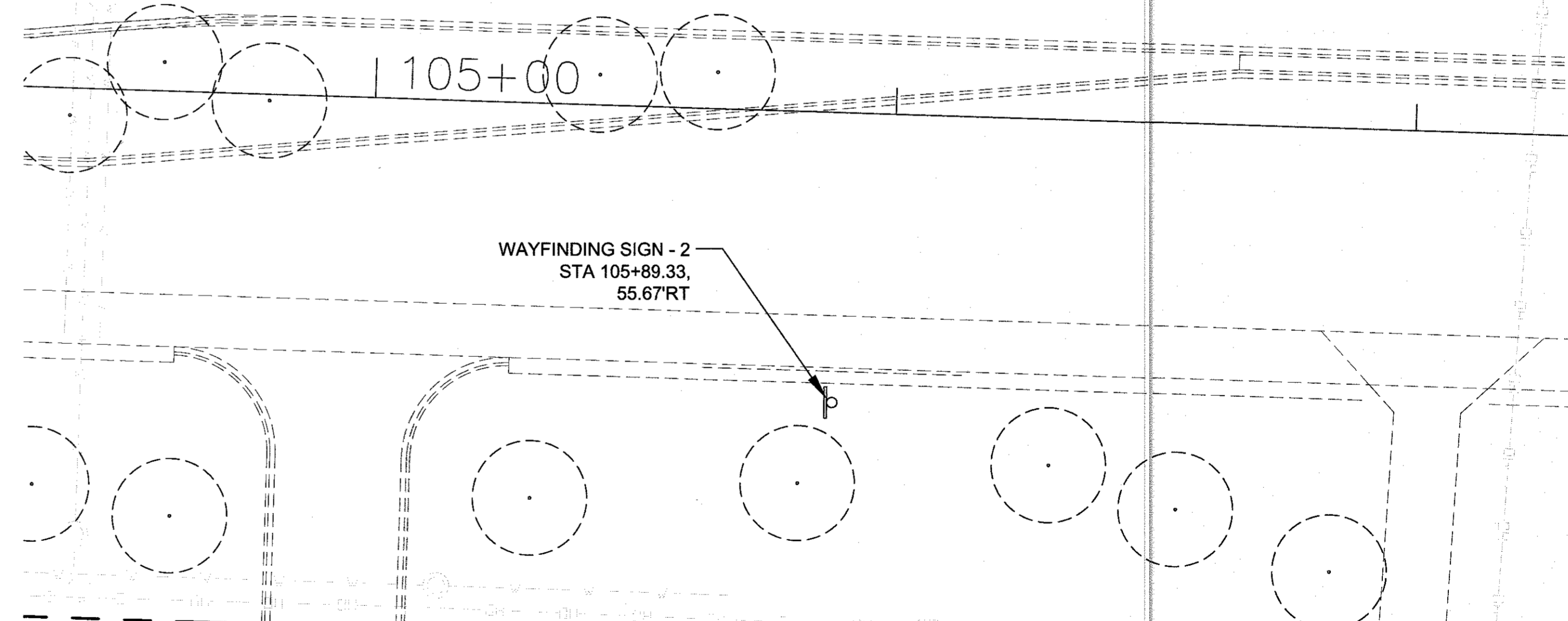


DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

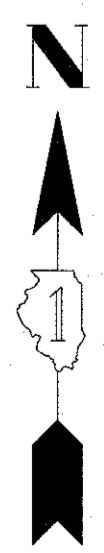


IL ROUTE 56



ENLARGEMENT 2

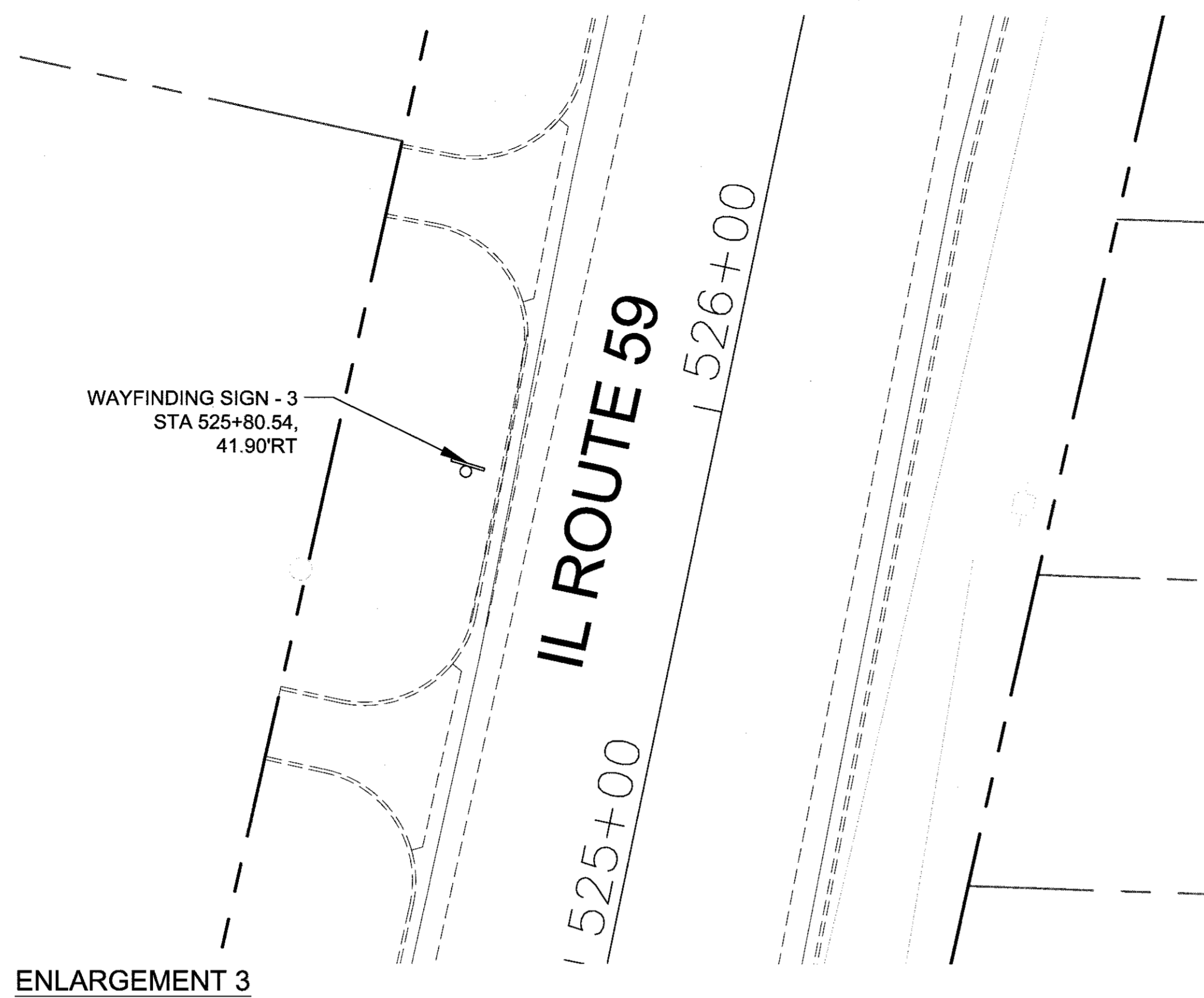
- LAYOUT AND MATERIALS LEGEND
- MASON COLUMN, LARGE
  - WAYFINDING SIGN
  - TRAIL HEAD SIGN, COMPLETE
  - TRAIL HEAD MAP
  - GATEWAY MONUMENT SIGN COMPLETE
  - MINOR SIGN COMPLETE
  - TRASH RECEPTACLES
  - BICYCLE RACKS
  - STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH



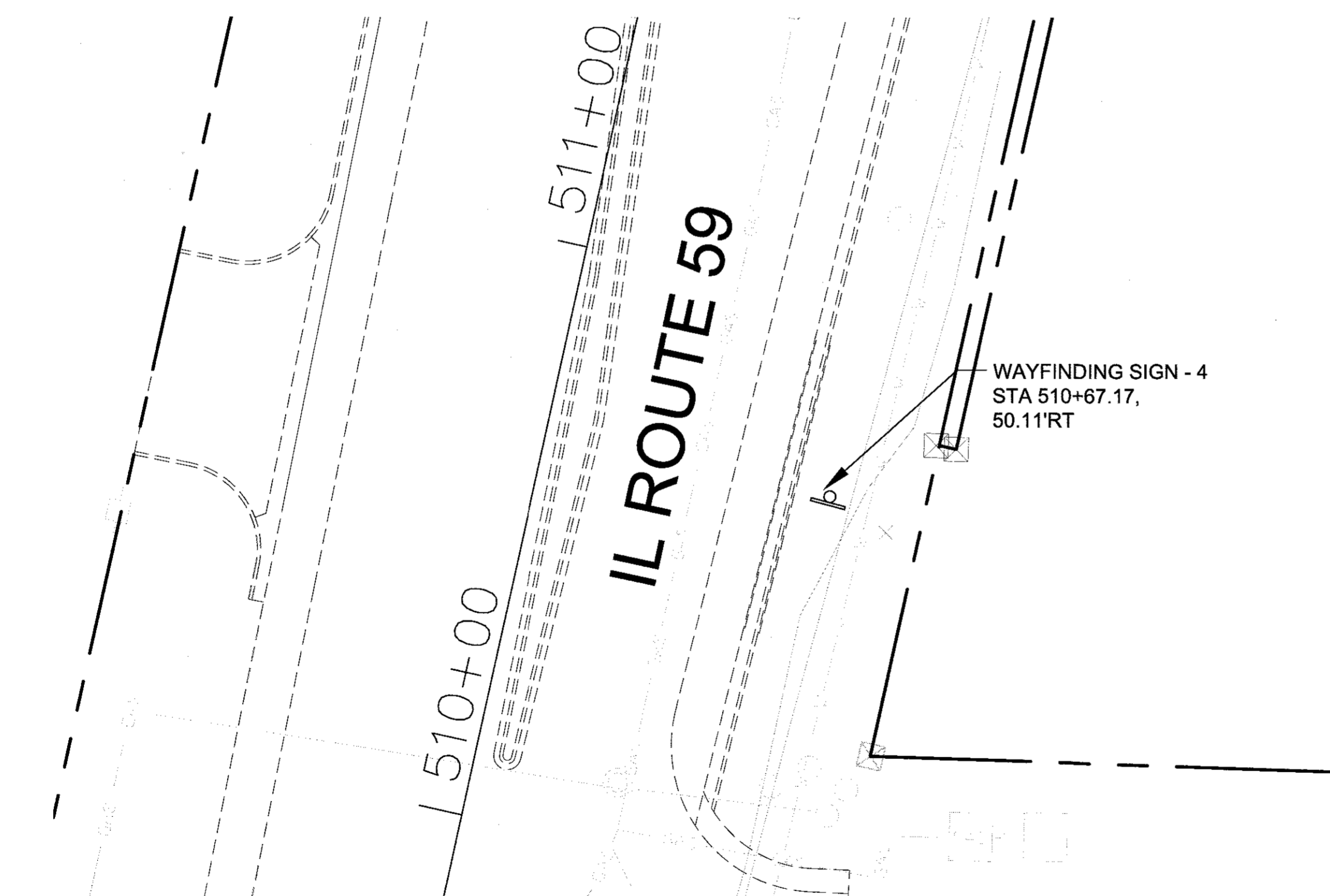
SCALE: 1"=20'-0"		PROJECT - 03-0868-002-01-02 STA.		TO STA.	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
365	11-00033-00-LS	DUPAGE	64	21	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D93		



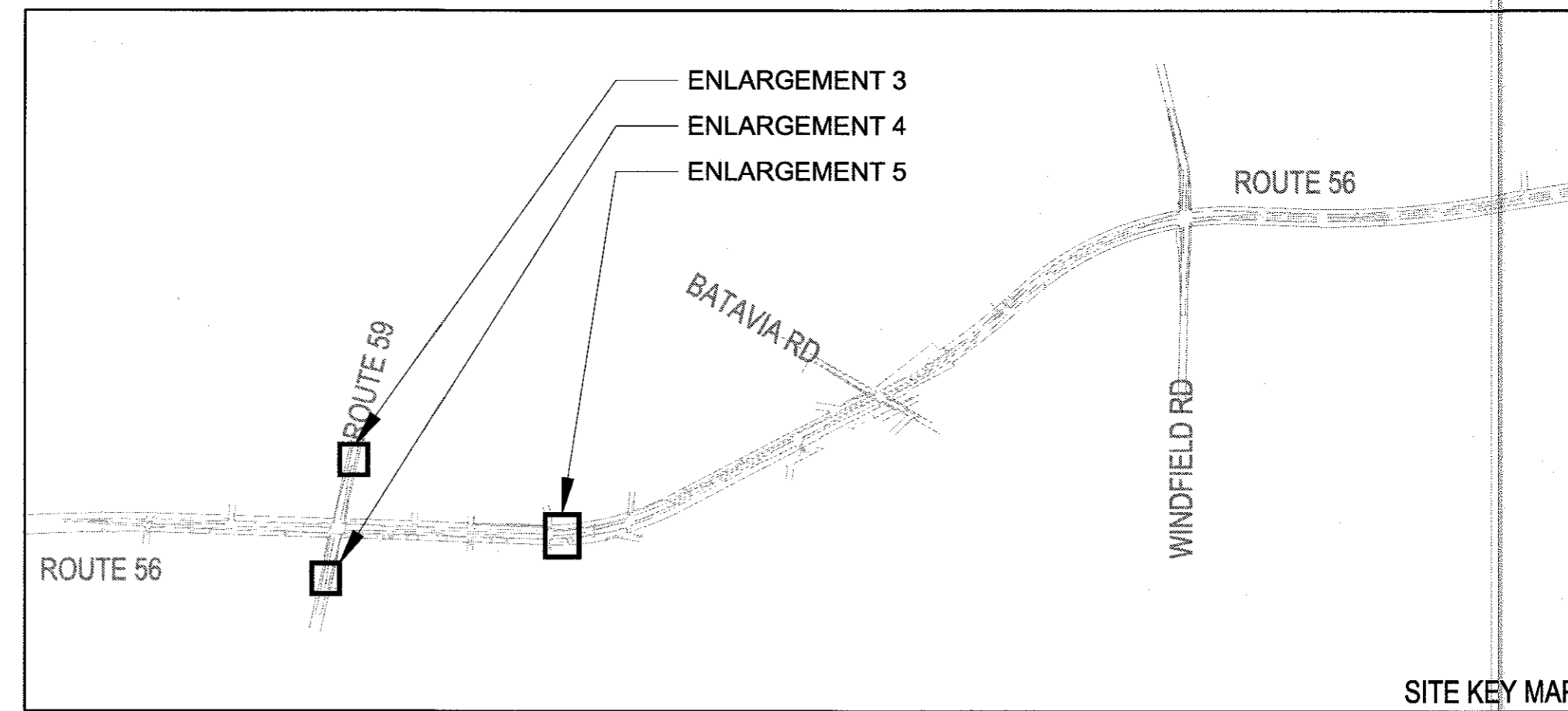
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 Plotted: 08/06/2017 By: MW000



ENLARGEMENT 3

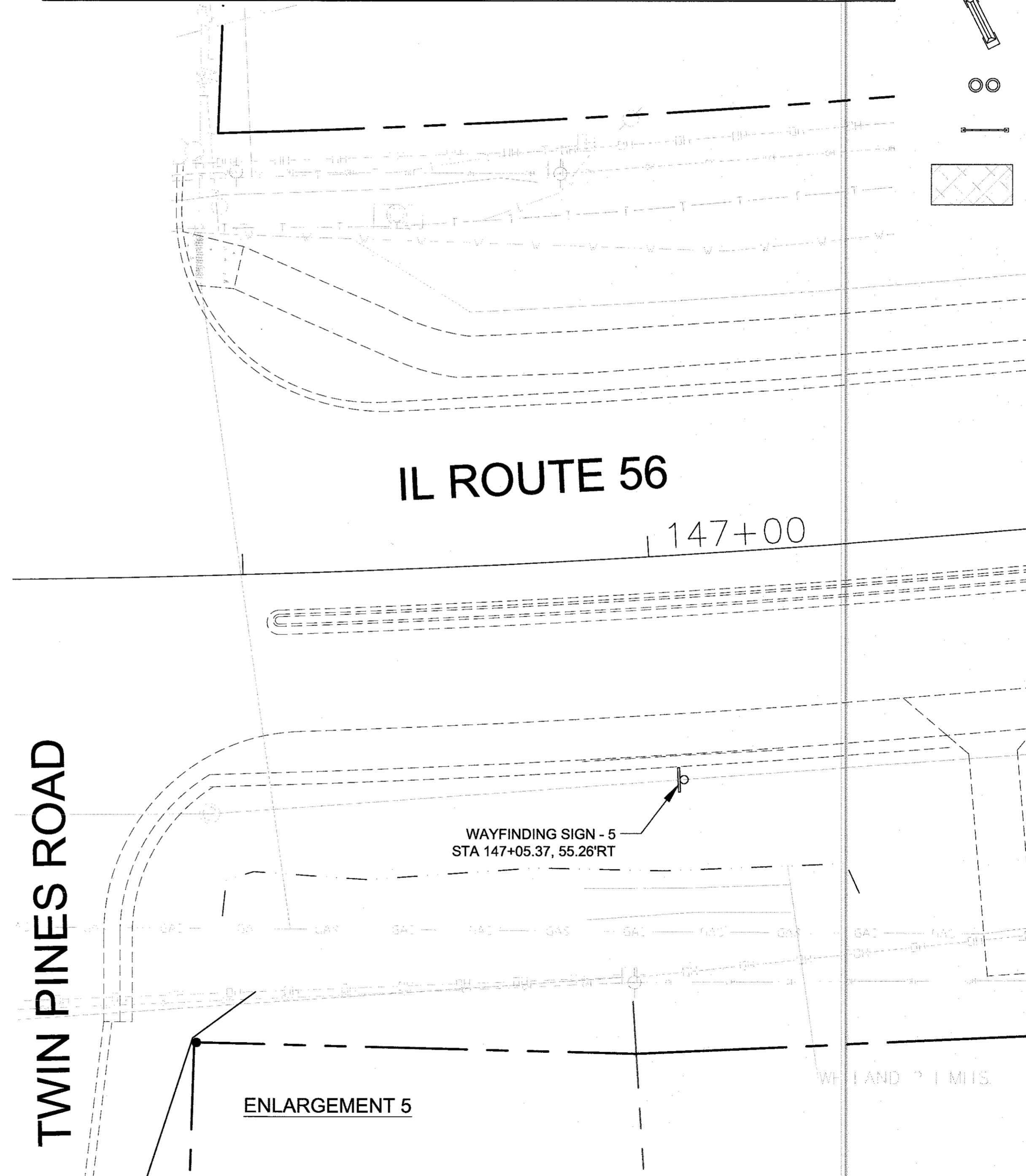


ENLARGEMENT 4



SITE KEY MAP

- LAYOUT AND MATERIALS LEGEND
- MASON COLUMN, LARGE
  - WAYFINDING SIGN
  - TRAIL HEAD SIGN, COMPLETE
  - TRAIL HEAD MAP
  - GATEWAY MONUMENT SIGN COMPLETE
  - MINOR SIGN COMPLETE
  - TRASH RECEPTACLES
  - BICYCLE RACKS
  - STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH



ENLARGEMENT 5



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

LAYOUT AND MATERIALS

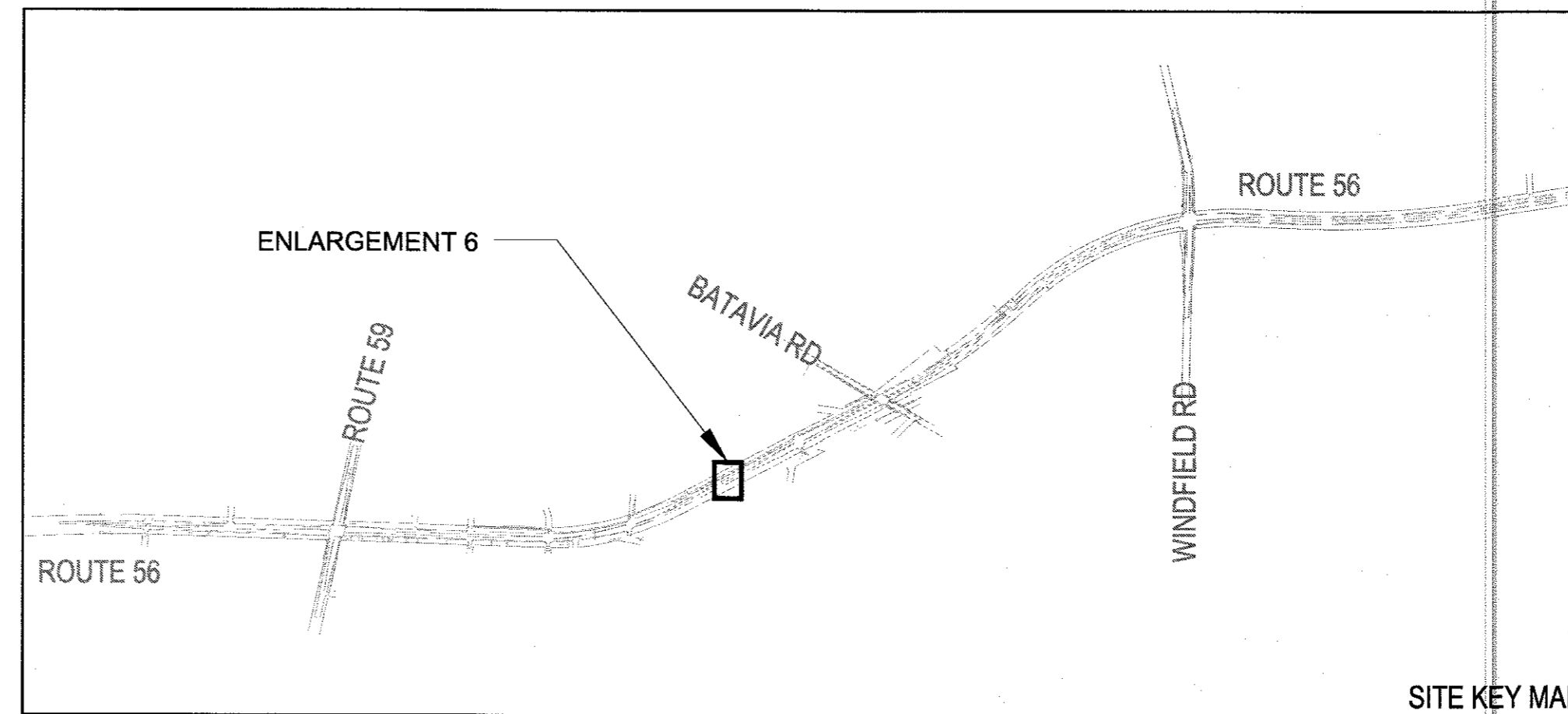
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PROJECT - 03-0868-002-01-02 STA.

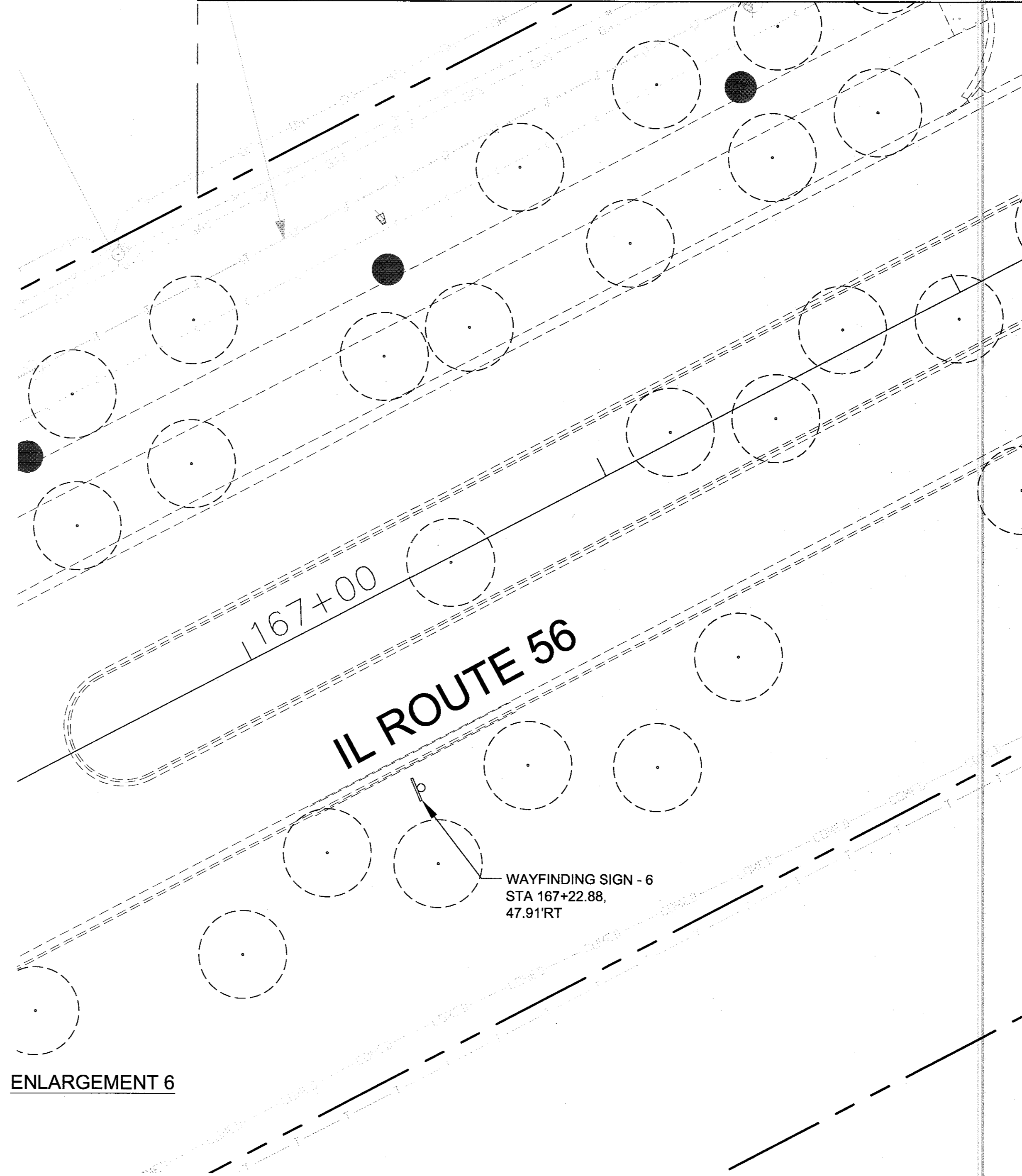
TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	22
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

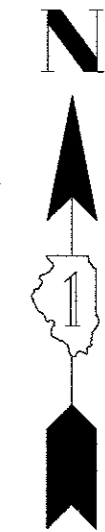




- LAYOUT AND MATERIALS LEGEND
- MASON COLUMN, LARGE
  - WAYFINDING SIGN
  - TRAIL HEAD SIGN, COMPLETE
  - TRAIL HEAD MAP
  - GATEWAY MONUMENT SIGN COMPLETE
  - MINOR SIGN COMPLETE
  - TRASH RECEPTACLES
  - BICYCLE RACKS
  - STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH



ENLARGEMENT 6



J:\PROJECTS\ALPHA\ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITEP ENHANCEMENTS\09 GRAPHICS\02 DD-CD\05-LAYOUT AND MATERIALS.DWG 23  
 Plotted: 08.06.2017 By: MWOOD



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

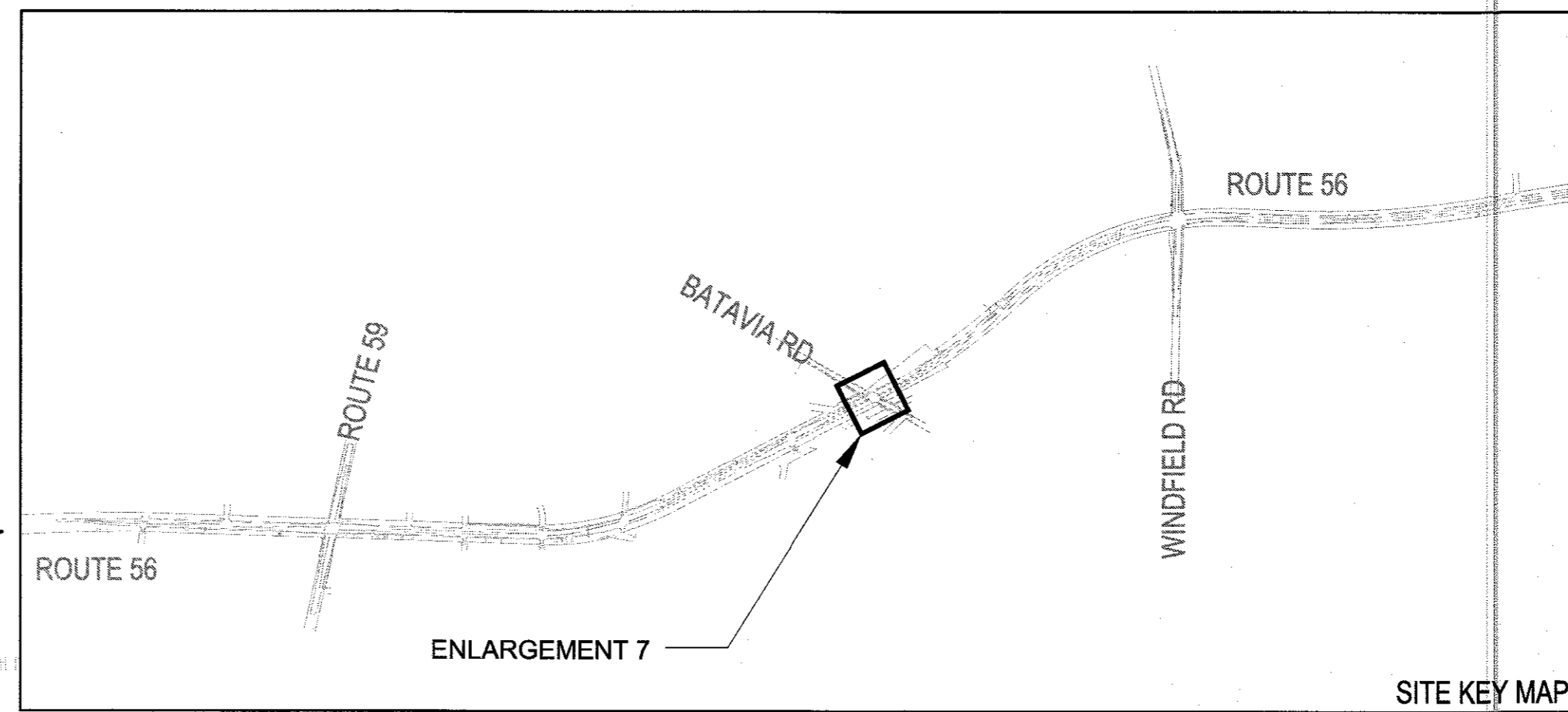
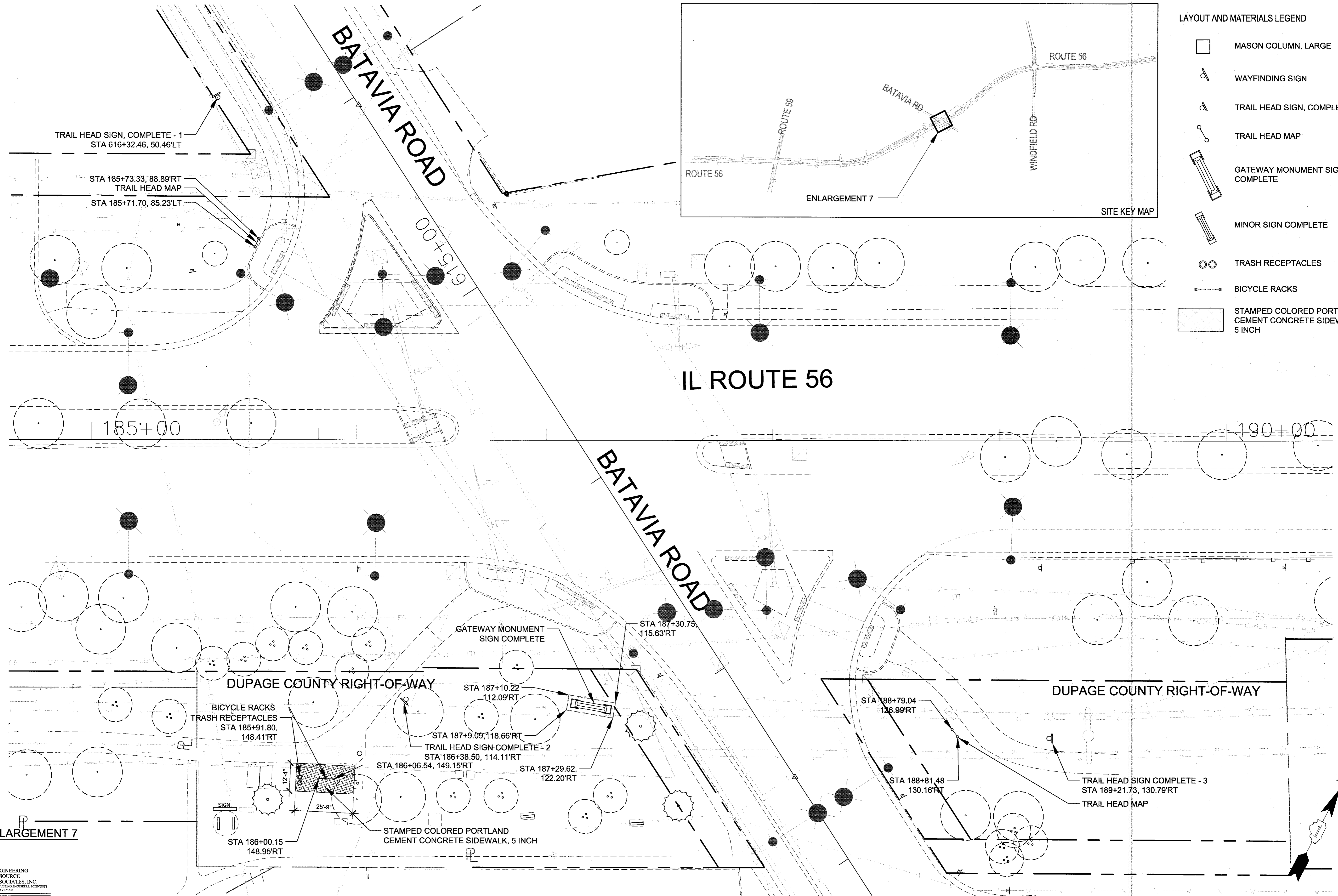
**LAYOUT AND MATERIALS**

SCALE: 1"=20'-0" PROJECT - 03-0868-002-01-02 STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	23
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D93	



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 Pictor: 08.06.2017 By: MW000



- LAYOUT AND MATERIALS LEGEND
- MASON COLUMN, LARGE
  - WAYFINDING SIGN
  - TRAIL HEAD SIGN, COMPLETE
  - TRAIL HEAD MAP
  - GATEWAY MONUMENT SIGN COMPLETE
  - MINOR SIGN COMPLETE
  - TRASH RECEPTACLES
  - BICYCLE RACKS
  - STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

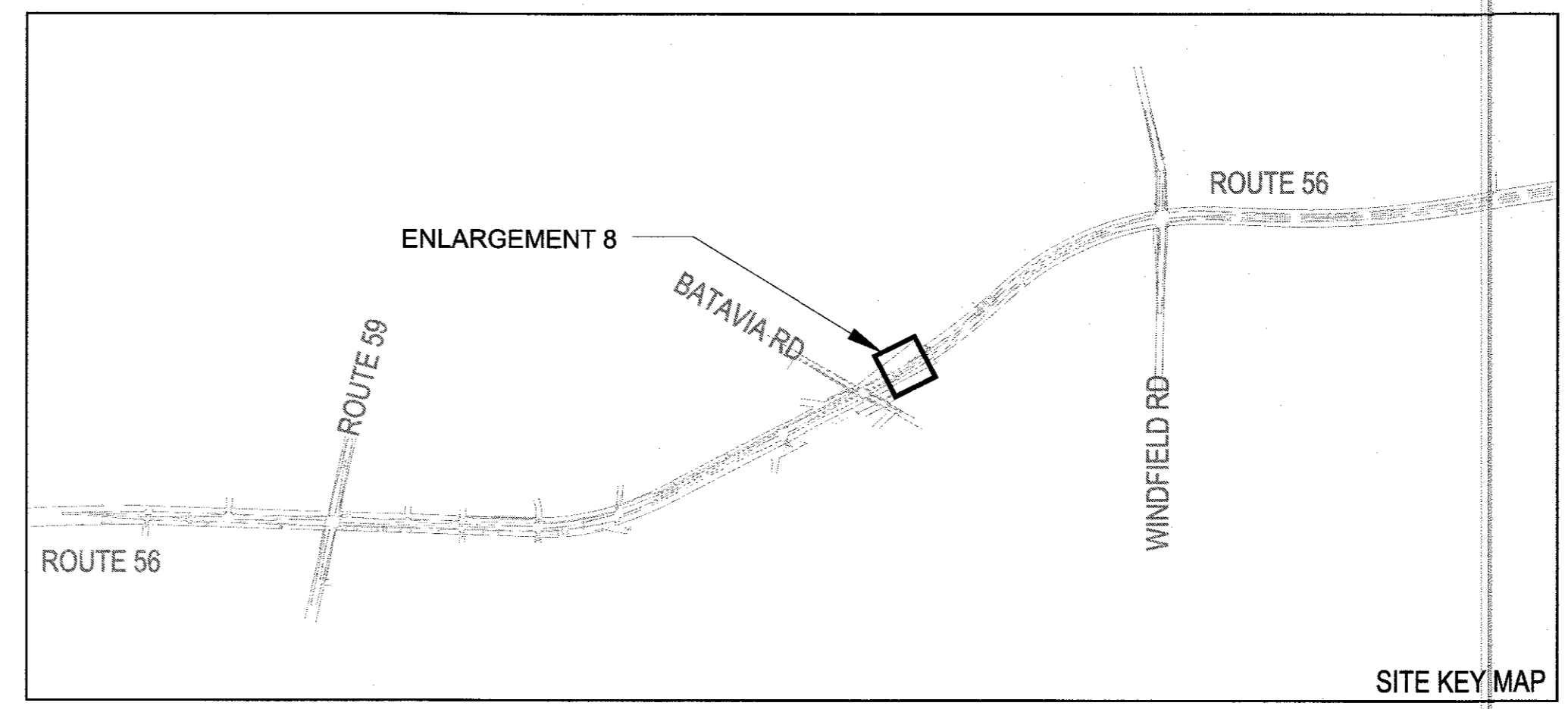
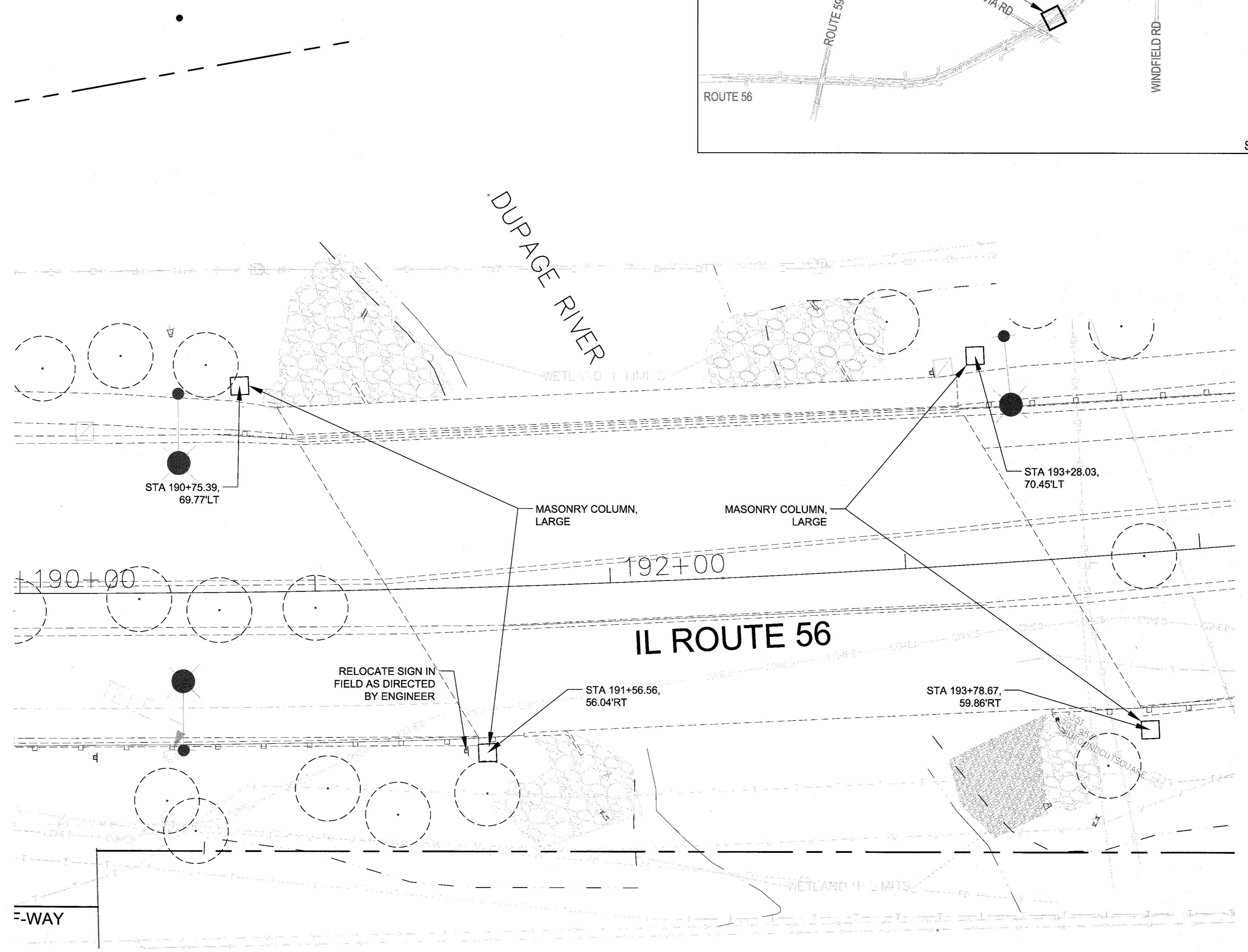
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**LAYOUT AND MATERIALS**

SCALE: 1"=20'-0" PROJECT - 03-0868-002-01-02 STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	24
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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 Plotted: 08.06.2017 By: MW000



- LAYOUT AND MATERIALS LEGEND**
- MASON COLUMN, LARGE
  - WAYFINDING SIGN
  - TRAIL HEAD SIGN, COMPLETE
  - TRAIL HEAD MAP
  - GATEWAY MONUMENT SIGN COMPLETE
  - MINOR SIGN COMPLETE
  - TRASH RECEPTACLES
  - BICYCLE RACKS
  - STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH

**ENGINEERING RESOURCE ASSOCIATES, INC.**  
 CONSULTING ENGINEERS, SCIENTISTS & SURVEYORS

**HITCHCOCK DESIGN GROUP**  
 creating better places

DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

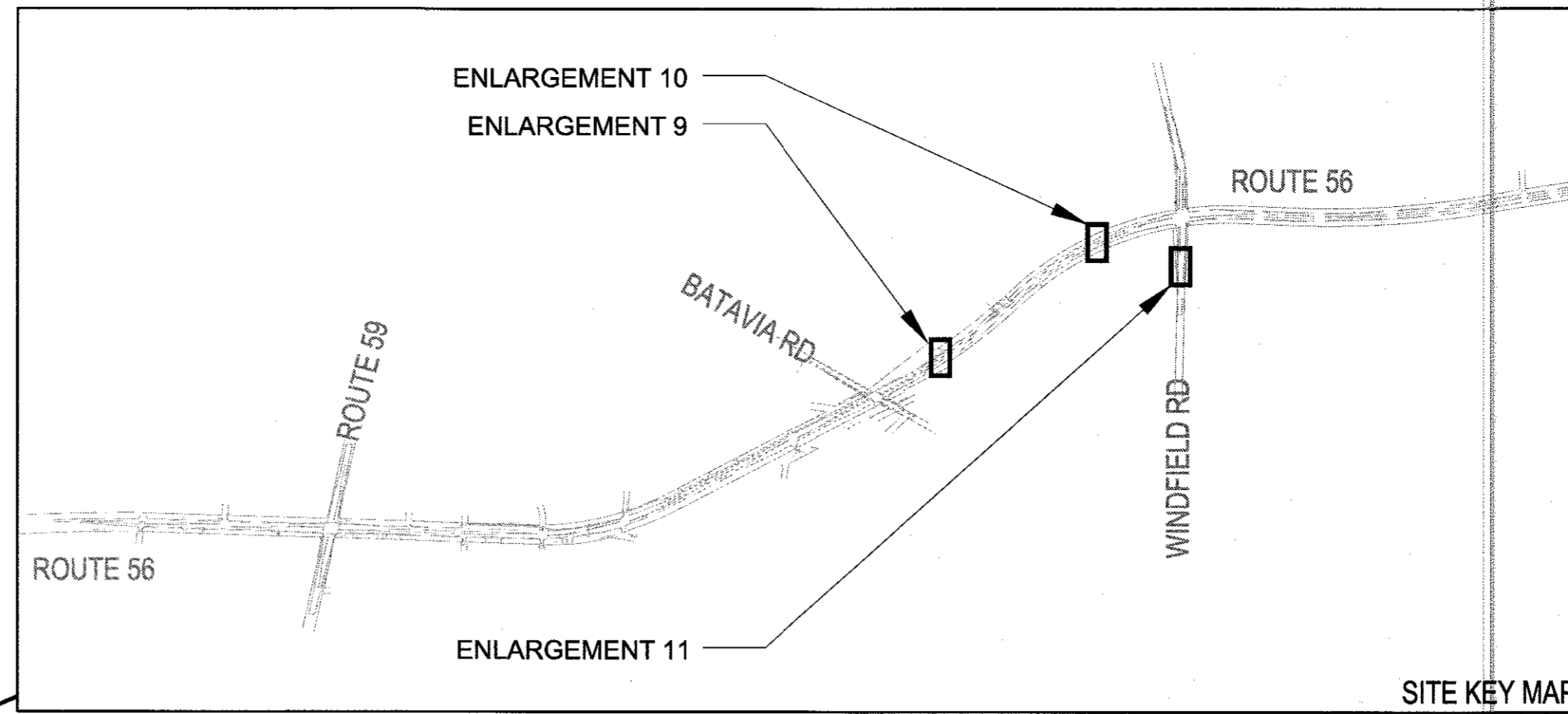
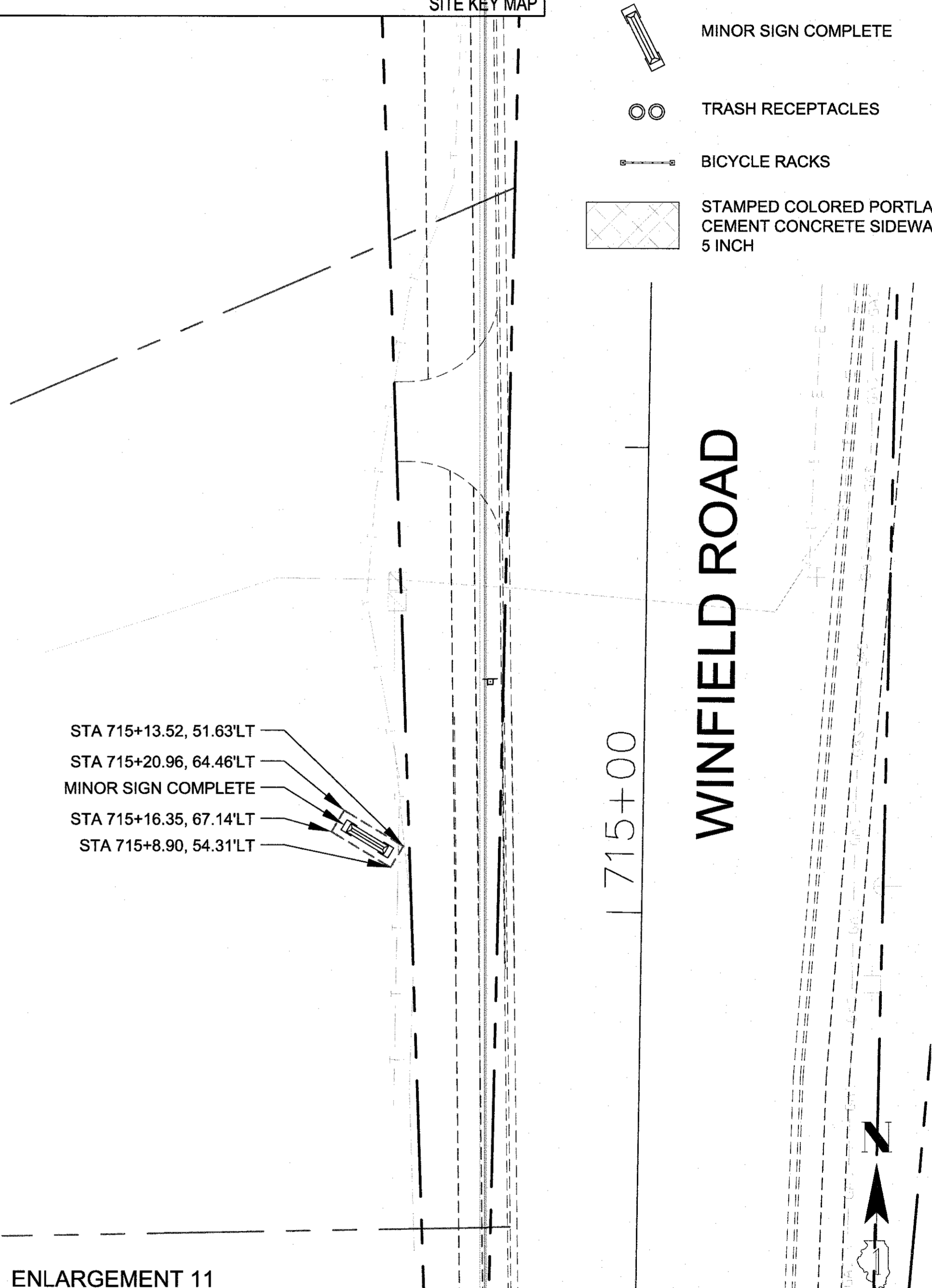
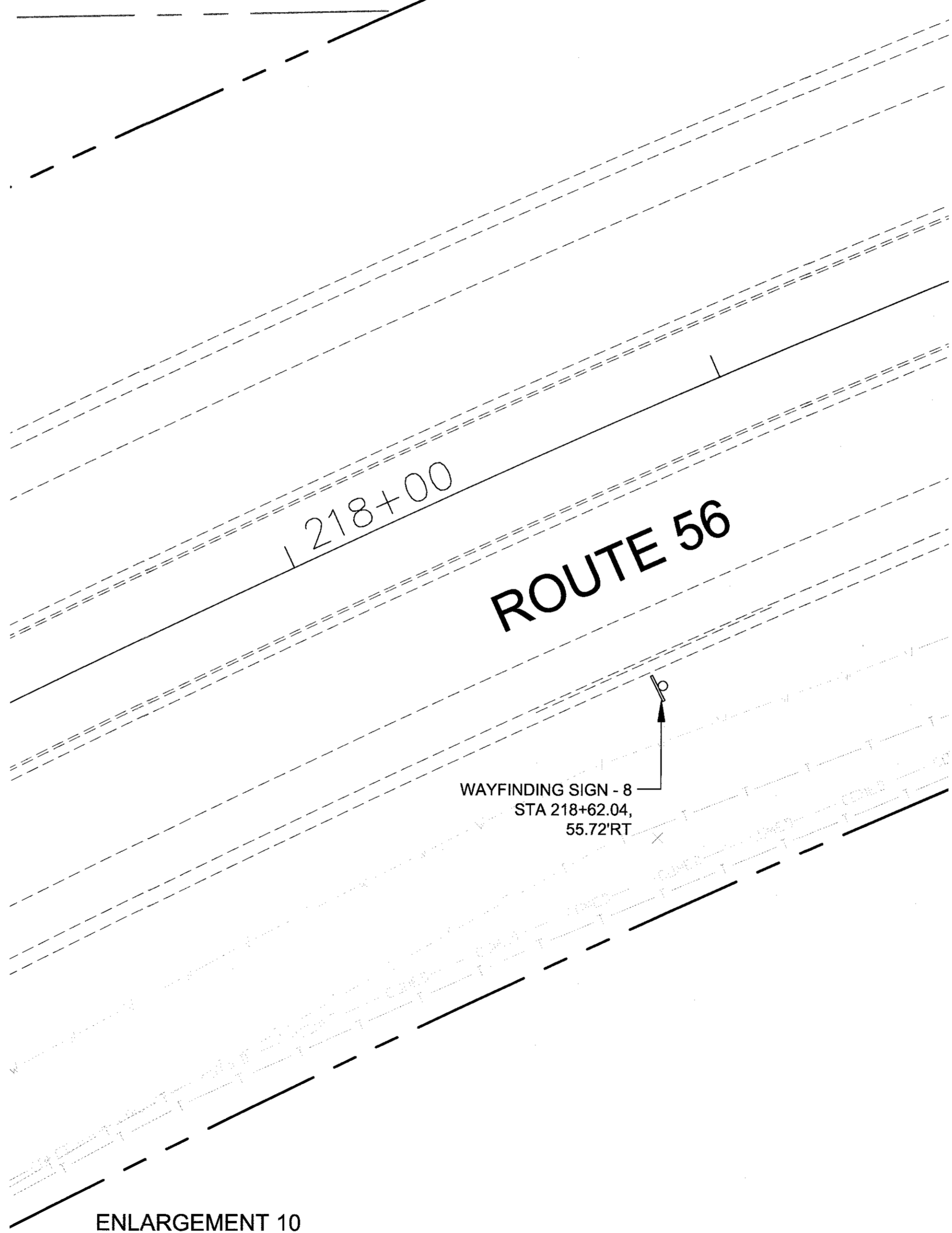
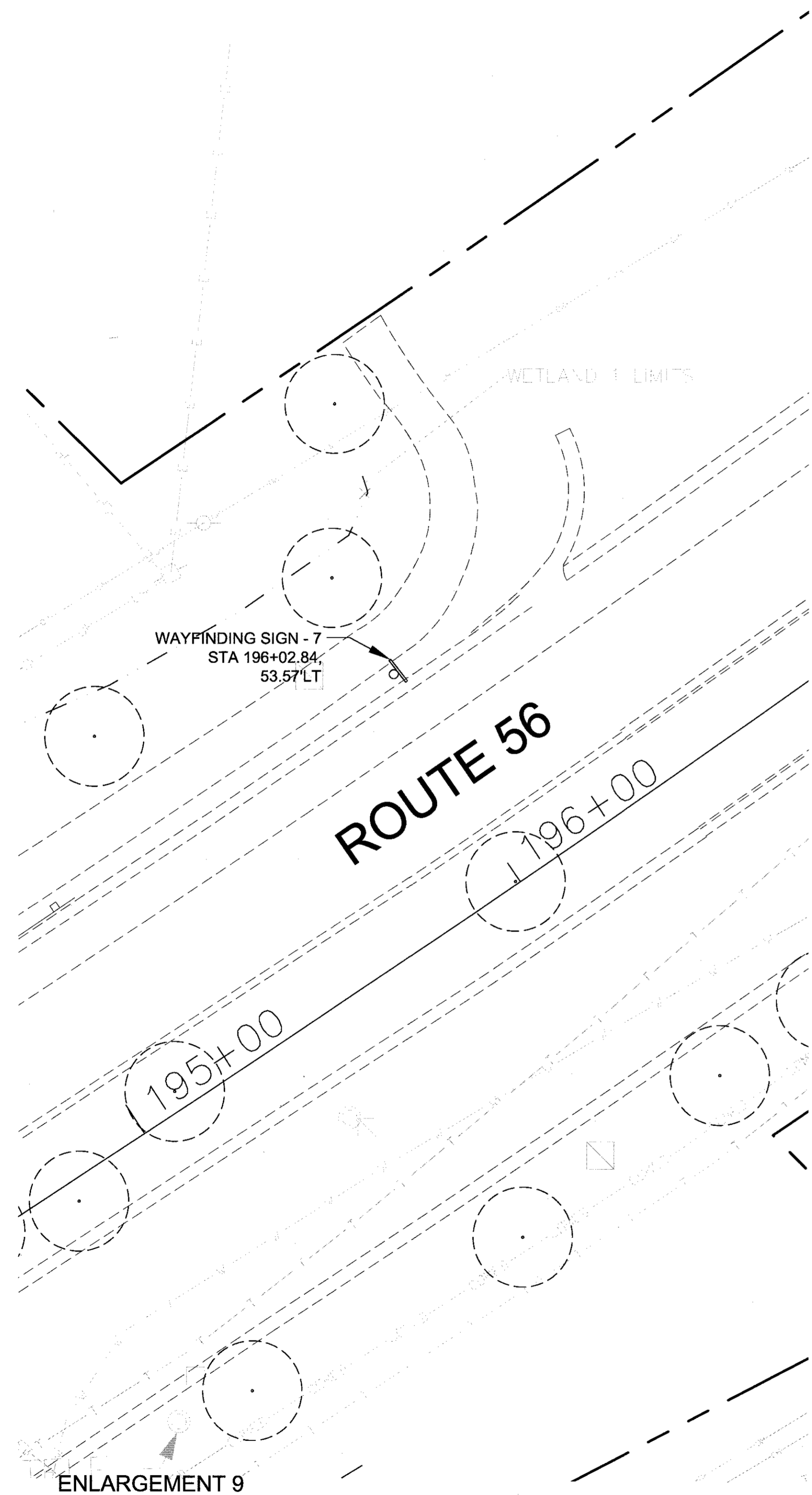
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**LAYOUT AND MATERIALS**  
 SCALE: 1"=20'-0" PROJECT - 03-0868-002-01-02 STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	25
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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 Plotted: 08/06/2017 By: MW000



- LAYOUT AND MATERIALS LEGEND
- MASON COLUMN, LARGE
  - WAYFINDING SIGN
  - TRAIL HEAD SIGN, COMPLETE
  - TRAIL HEAD MAP
  - GATEWAY MONUMENT SIGN COMPLETE
  - MINOR SIGN COMPLETE
  - TRASH RECEPTACLES
  - BICYCLE RACKS
  - STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

STATE OF ILLINOIS  
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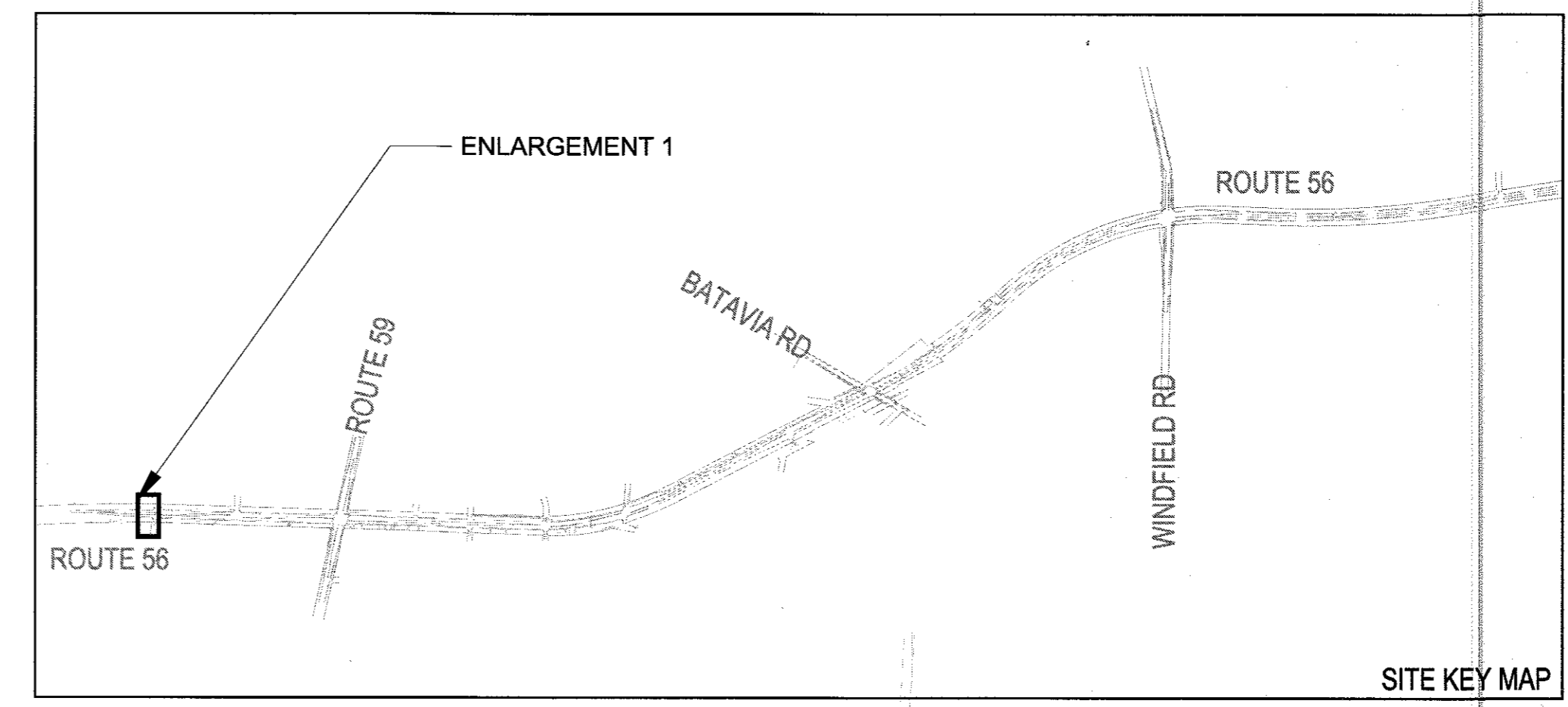
LAYOUT AND MATERIALS

SCALE: 1"=20'-0"

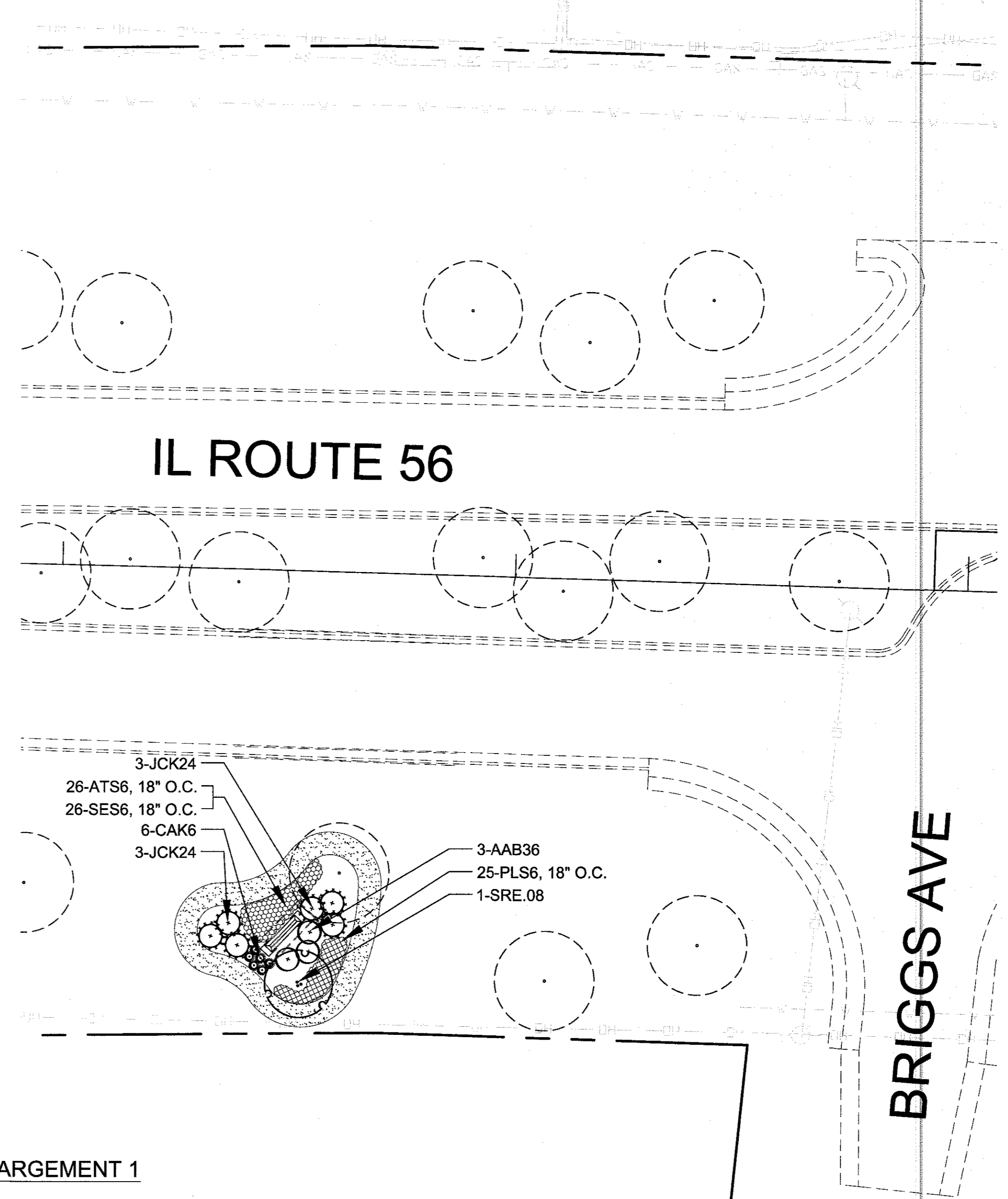
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

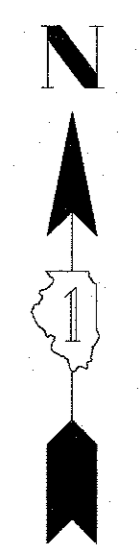
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 Plotted: 08/06/2017 By: MWOOD



- PLANTING LEGEND**
- EXISTING SHADE TREE
  - EXISTING ORNAMENTAL TREE
  - EXISTING EVERGREEN TREE
  - TREE (SEE MATERIAL LIST FOR SPECIES)
  - SHRUB (SEE MATERIAL LIST FOR SPECIES)
  - PERENNIAL PLANTS, ORNAMENTAL TYPE (SEE MATERIAL LIST FOR SPECIES)
  - SEEDING, CLASS 2A
  - SEEDING, CLASS 4A (MODIFIED)
  - SEEDING CLASS 5 (MODIFIED)



**BRIGGS AVE**



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

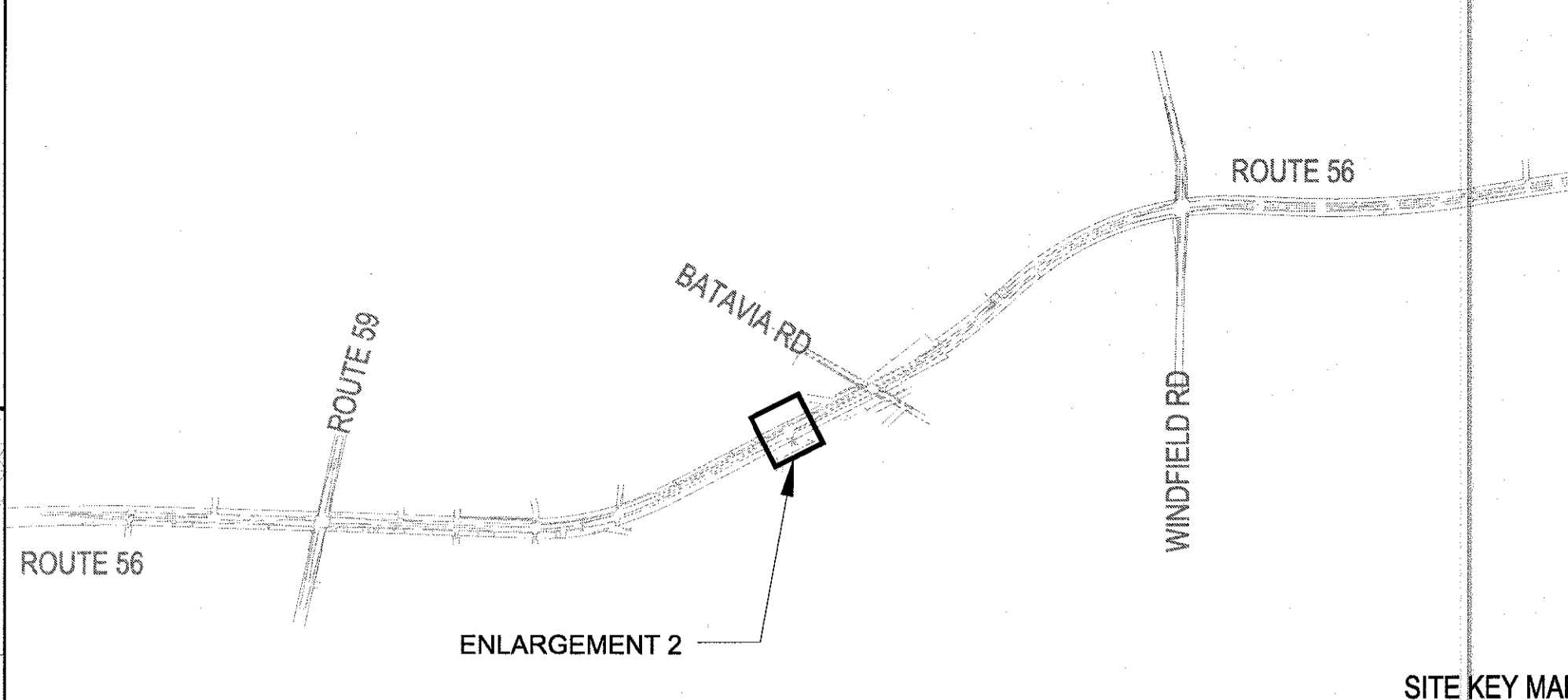
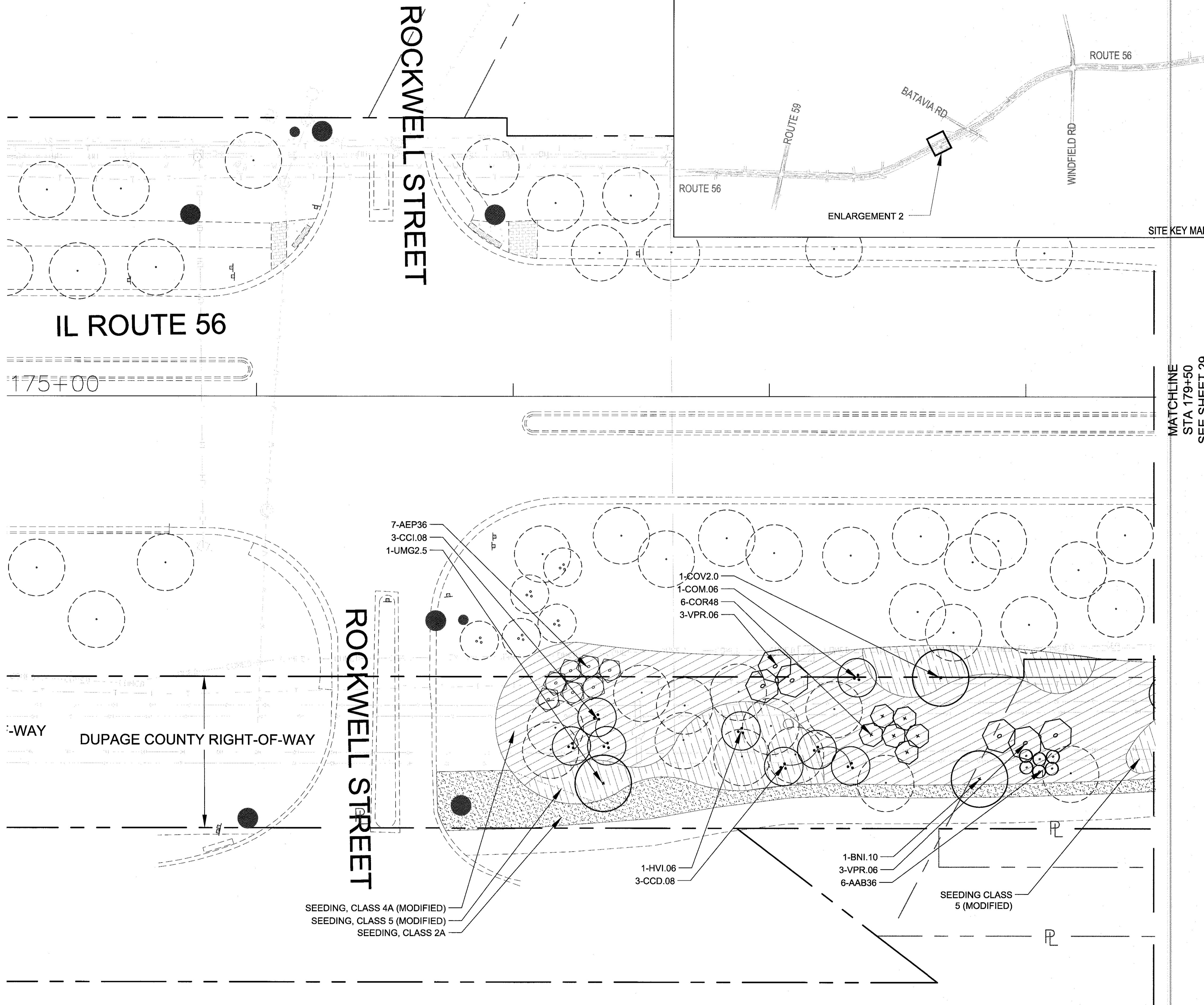
**PLANTING**

SCALE: 1"=20'-0" PROJECT - 03-0868-002-01-02 STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	27
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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 Plotted: 08.06.2017 By: MW000



- PLANTING LEGEND**
- EXISTING SHADE TREE
  - EXISTING ORNAMENTAL TREE
  - EXISTING EVERGREEN TREE
  - TREE (SEE MATERIAL LIST FOR SPECIES)
  - SHRUB (SEE MATERIAL LIST FOR SPECIES)
  - PERENNIAL PLANTS, ORNAMENTAL TYPE (SEE MATERIAL LIST FOR SPECIES)
  - SEEDING, CLASS 2A
  - SEEDING, CLASS 4A (MODIFIED)
  - SEEDING CLASS 5 (MODIFIED)

MATCHLINE  
 STA 179+50  
 SEE SHEET 29

ENLARGEMENT 2



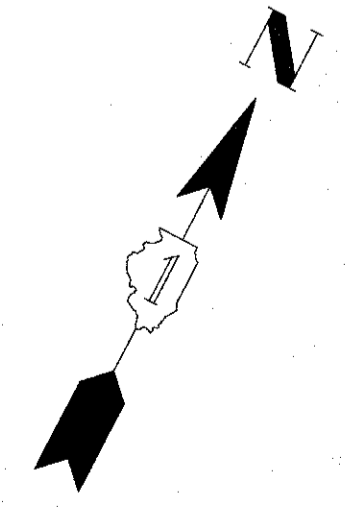
DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

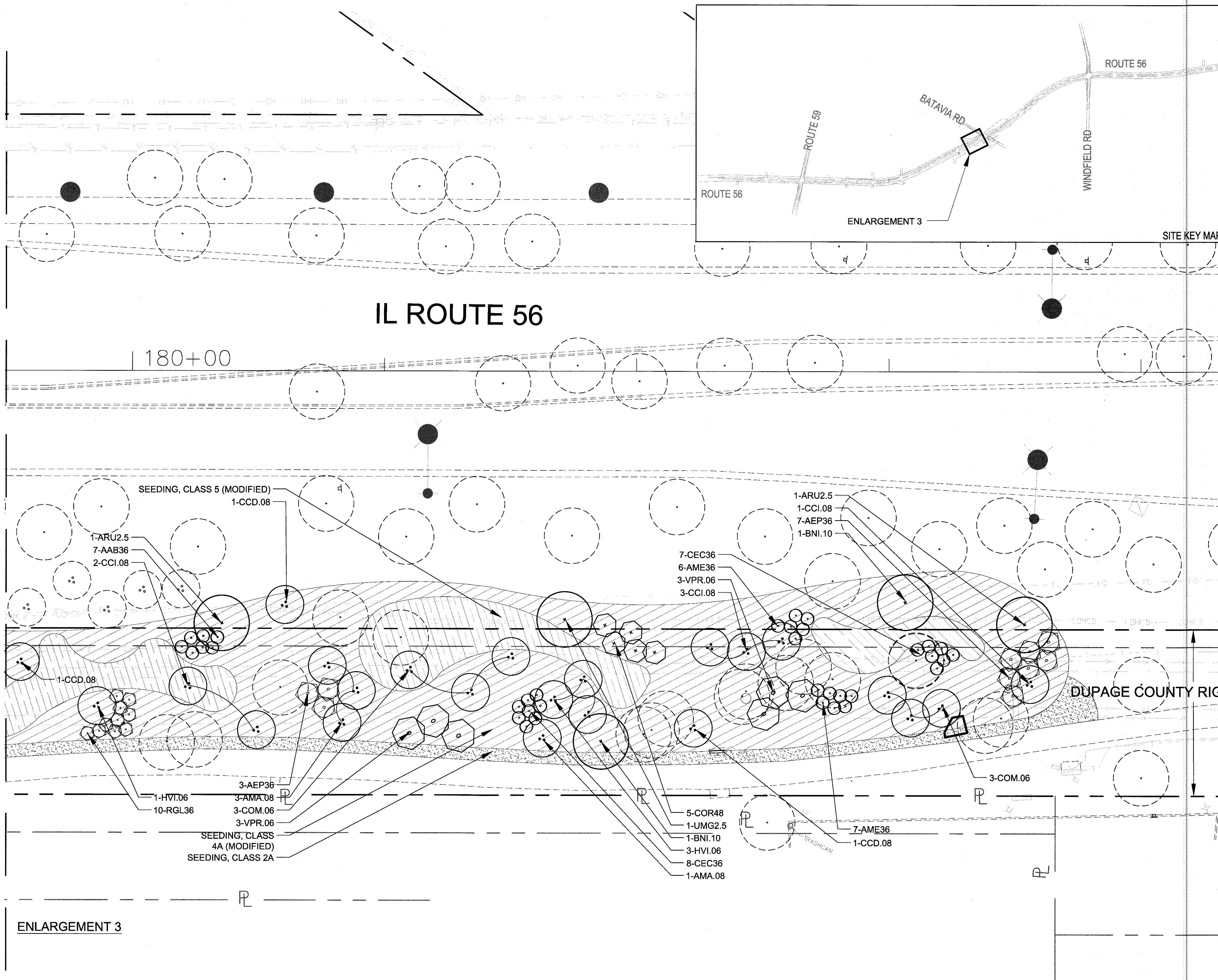
**PLANTING**

SCALE: 1"=20'-0" PROJECT - 03-0868-002-01-02 STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	28
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



MATCHLINE  
STA 179+50  
SEE SHEET 28



- PLANTING LEGEND**
- EXISTING SHADE TREE
  - EXISTING ORNAMENTAL TREE
  - EXISTING EVERGREEN TREE
  - TREE (SEE MATERIAL LIST FOR SPECIES)
  - SHRUB (SEE MATERIAL LIST FOR SPECIES)
  - PERENNIAL PLANTS, ORNAMENTAL TYPE (SEE MATERIAL LIST FOR SPECIES)
  - SEEDING, CLASS 2A
  - SEEDING, CLASS 4A (MODIFIED)
  - SEEDING CLASS 5 (MODIFIED)

ENLARGEMENT 3



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLANTING**

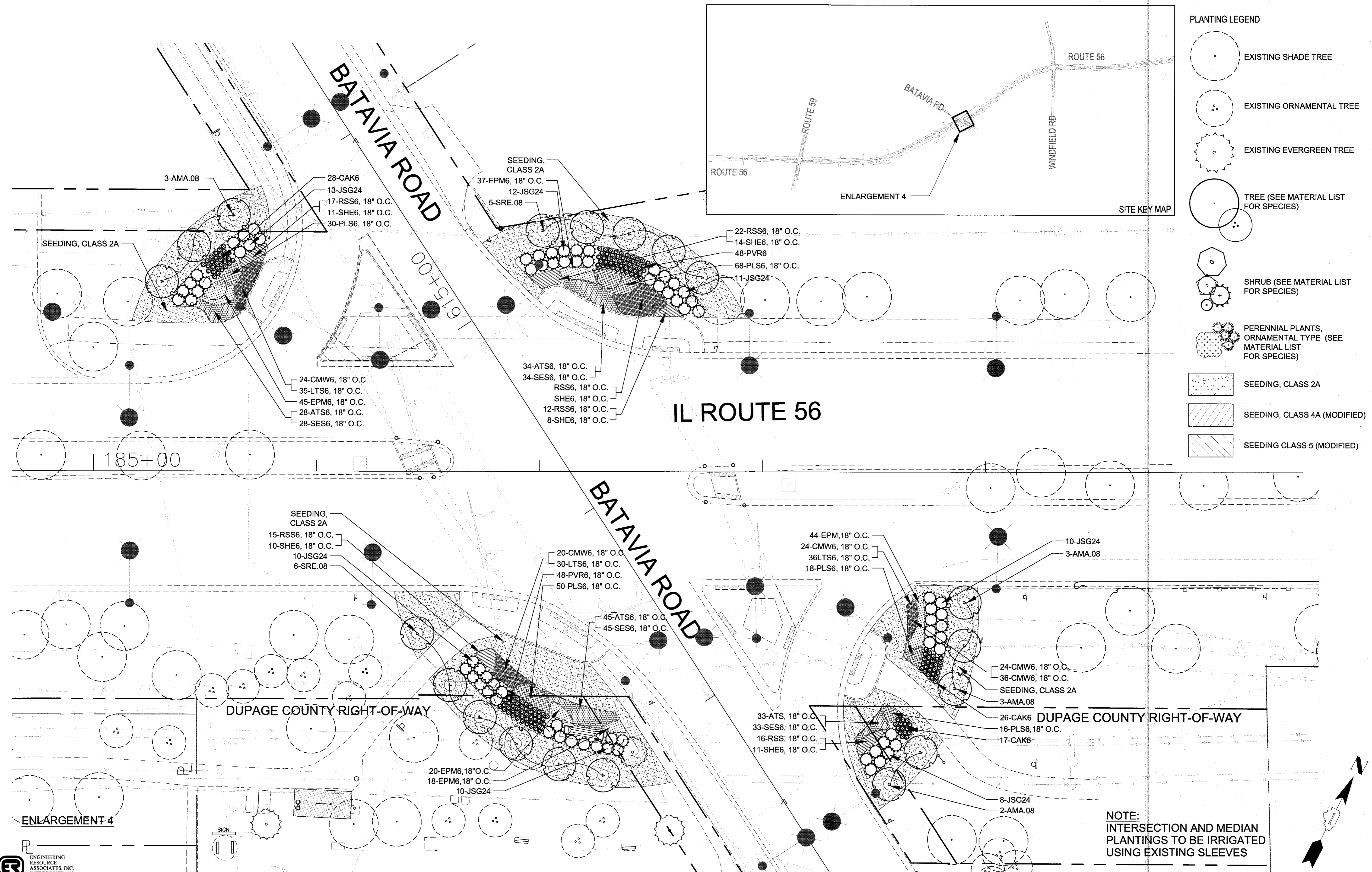
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	29
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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Plotted: 08.06.2017 By: MWOOD



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 Plotted: 08/06/2017 By: MWOOD



- PLANTING LEGEND**
- EXISTING SHADE TREE
  - EXISTING ORNAMENTAL TREE
  - EXISTING EVERGREEN TREE
  - TREE (SEE MATERIAL LIST FOR SPECIES)
  - SHRUB (SEE MATERIAL LIST FOR SPECIES)
  - PERENNIAL PLANTS, ORNAMENTAL TYPE (SEE MATERIAL LIST FOR SPECIES)
  - SEEDING, CLASS 2A
  - SEEDING, CLASS 4A (MODIFIED)
  - SEEDING CLASS 5 (MODIFIED)



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

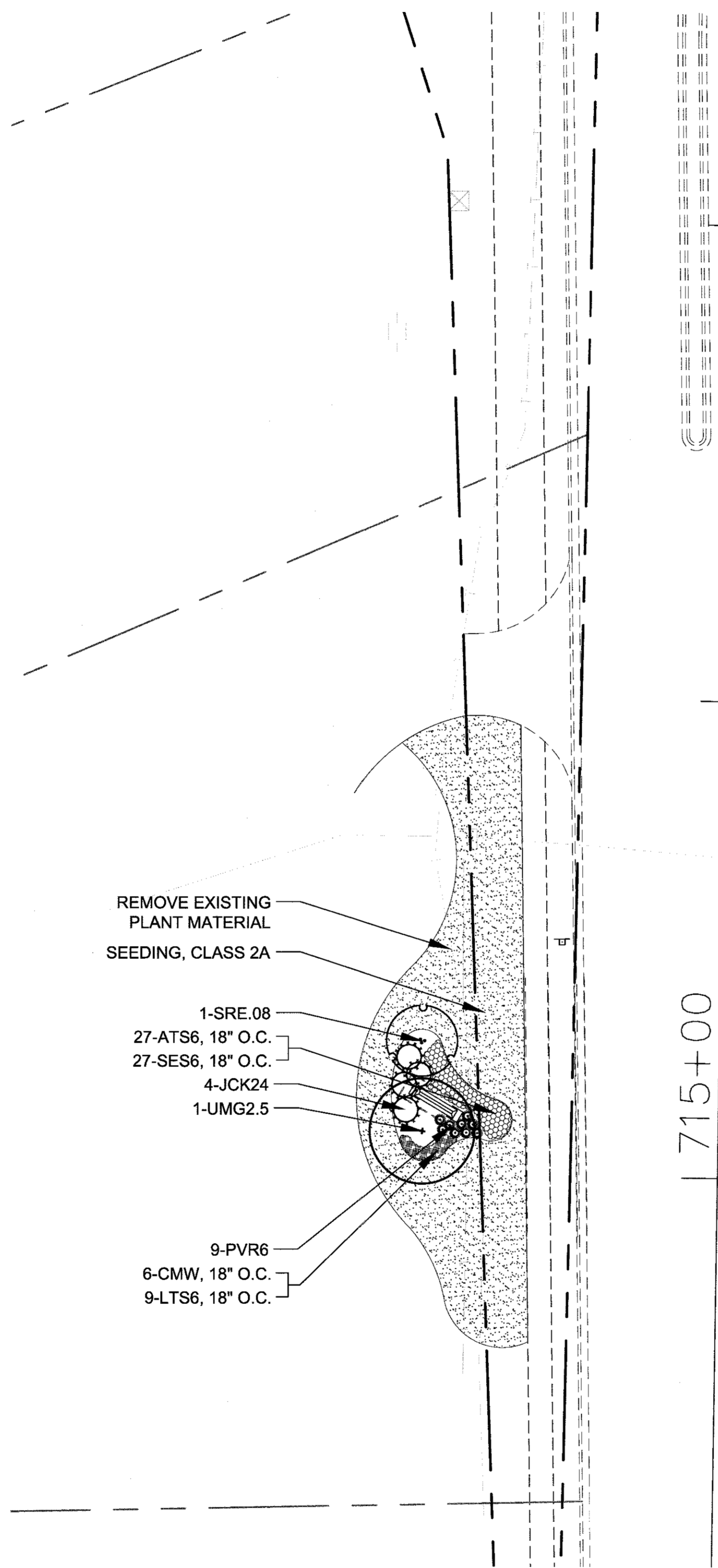
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLANTING

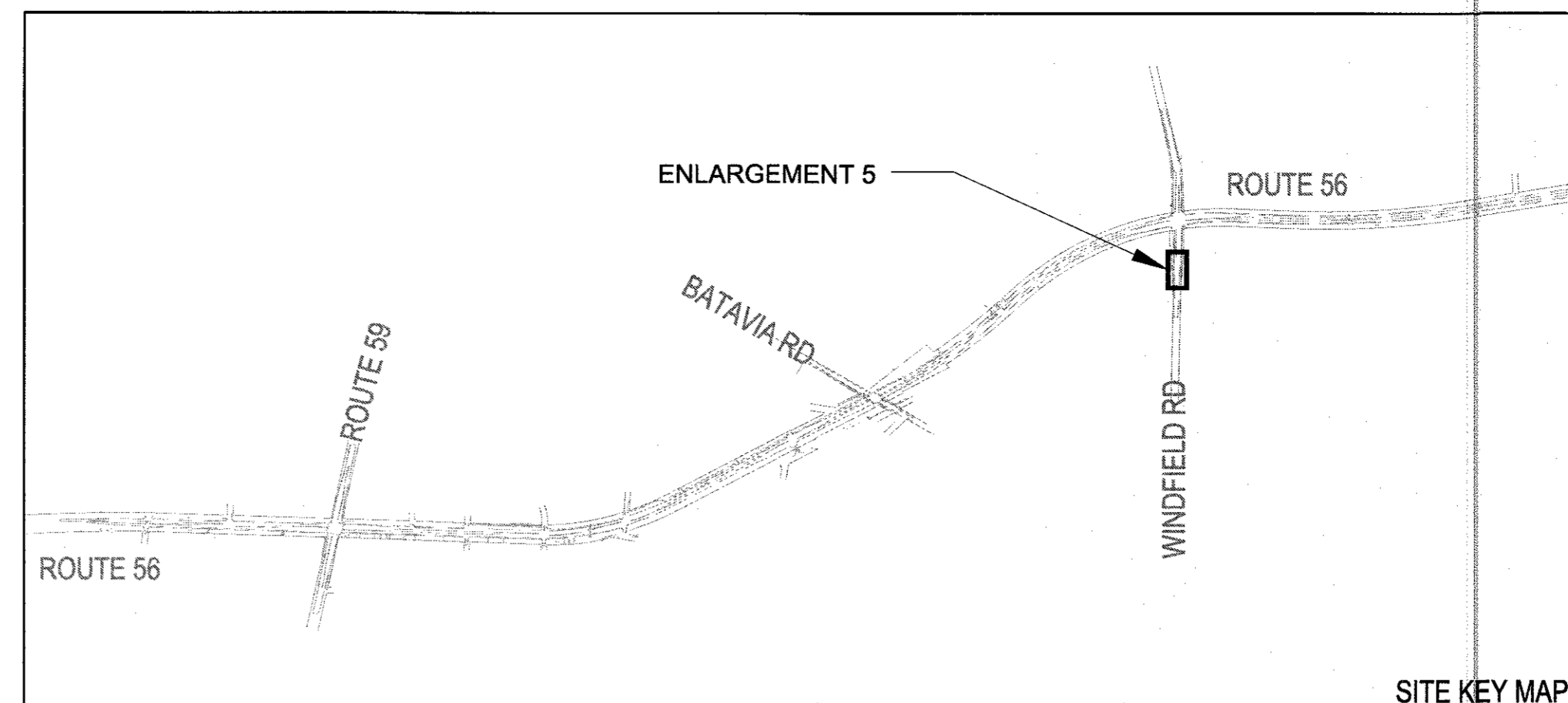
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	30
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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 Plotted: 08.06.2017 By: MWOOD



ENLARGEMENT 5



SITE KEY MAP

- PLANTING LEGEND**
- EXISTING SHADE TREE
  - EXISTING ORNAMENTAL TREE
  - EXISTING EVERGREEN TREE
  - TREE (SEE MATERIAL LIST FOR SPECIES)
  - SHRUB (SEE MATERIAL LIST FOR SPECIES)
  - PERENNIAL PLANTS, ORNAMENTAL TYPE (SEE MATERIAL LIST FOR SPECIES)
  - SEEDING, CLASS 2A
  - SEEDING, CLASS 4A (MODIFIED)
  - SEEDING CLASS 5 (MODIFIED)



**HITCHCOCK DESIGN GROUP**  
 creating better places

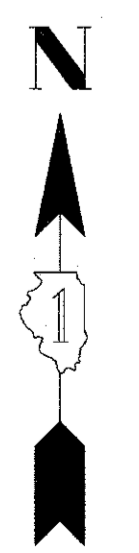
DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

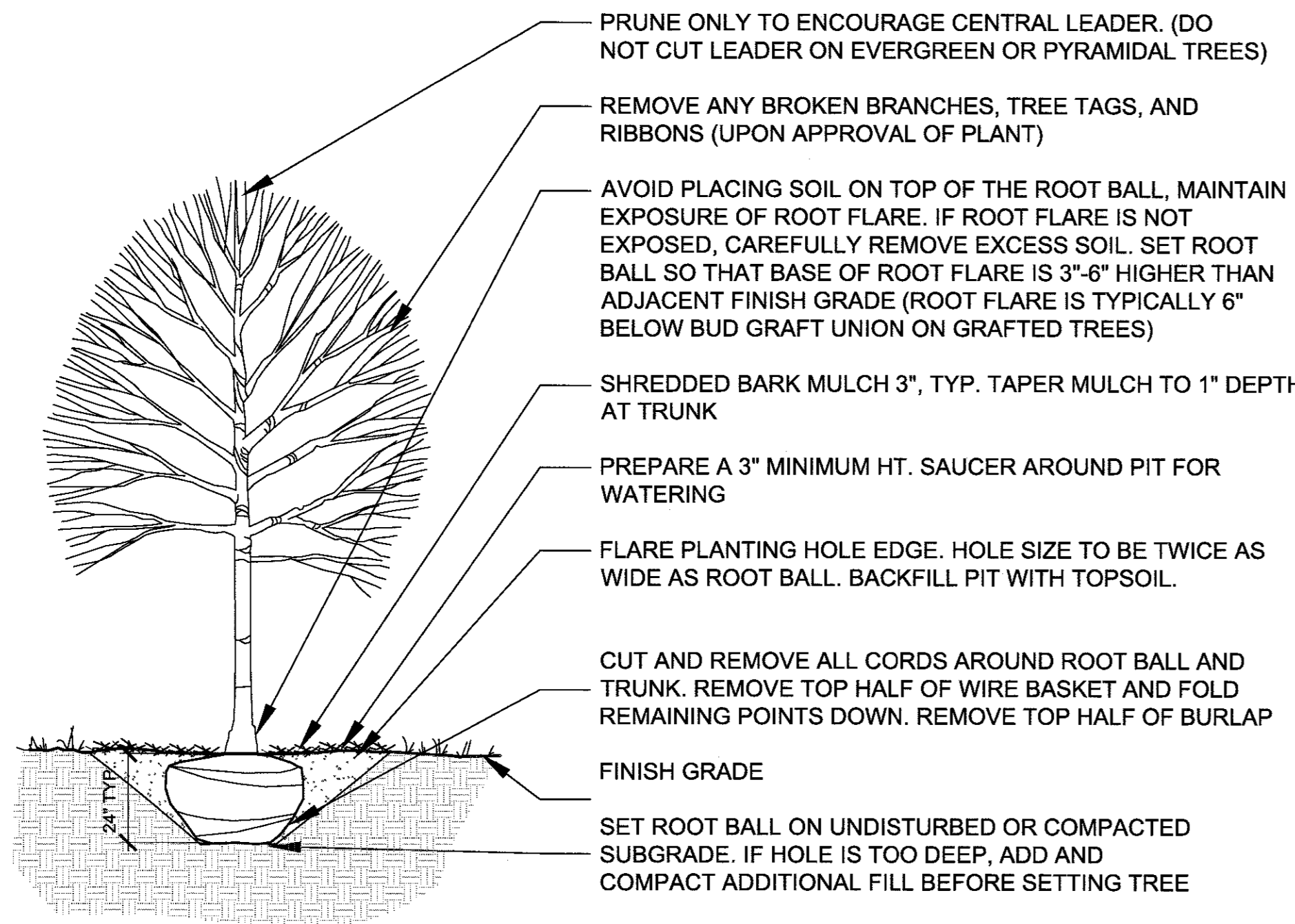
**PLANTING**

SCALE: 1"=20'-0" PROJECT - 03-0868-002-01-02 STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	31
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D93	



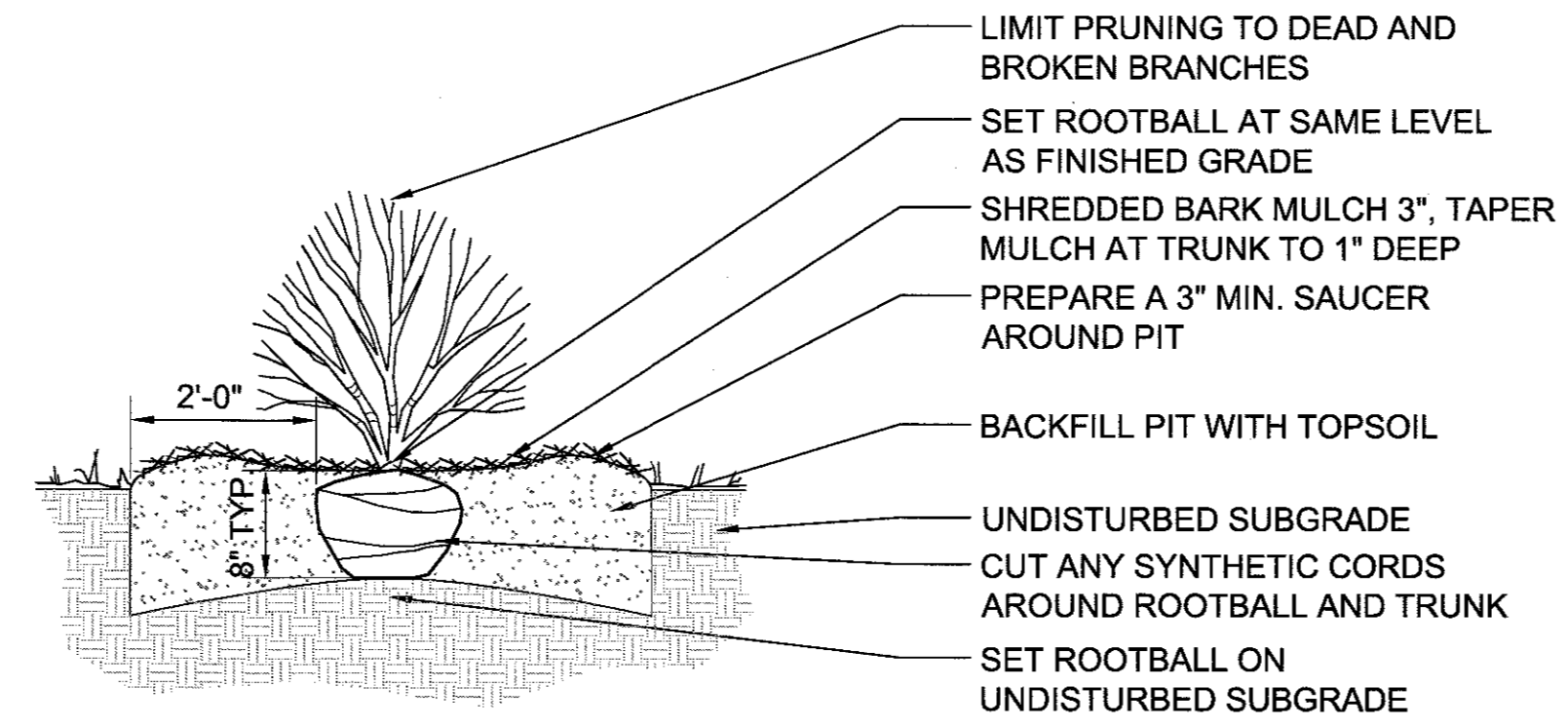




### 1 DECIDUOUS TREE PLANTING

SCALE: 1/2" = 1'-0"

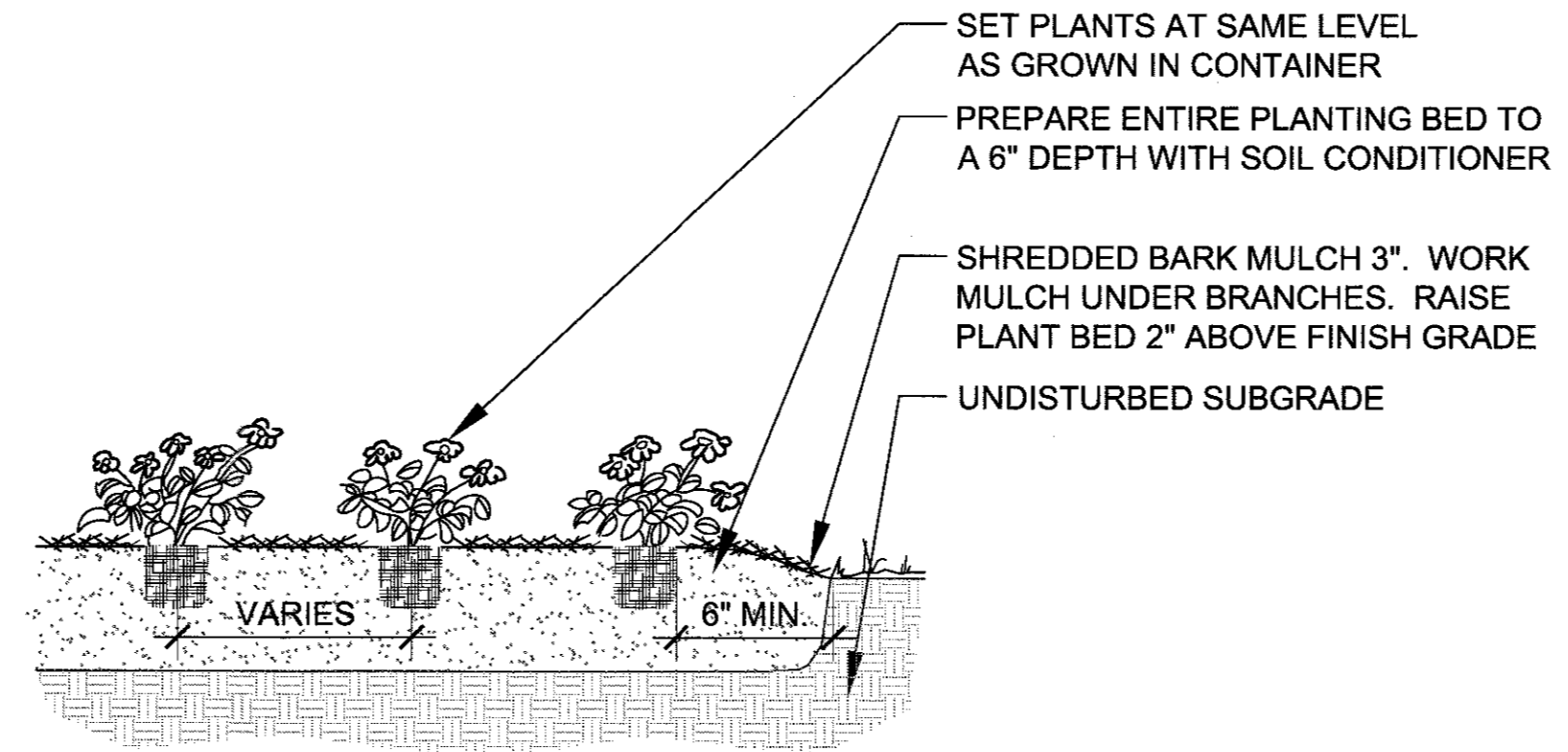
D-TREE-DEC



### 3 SHRUB PLANTING

SCALE: 1/2" = 1'-0"

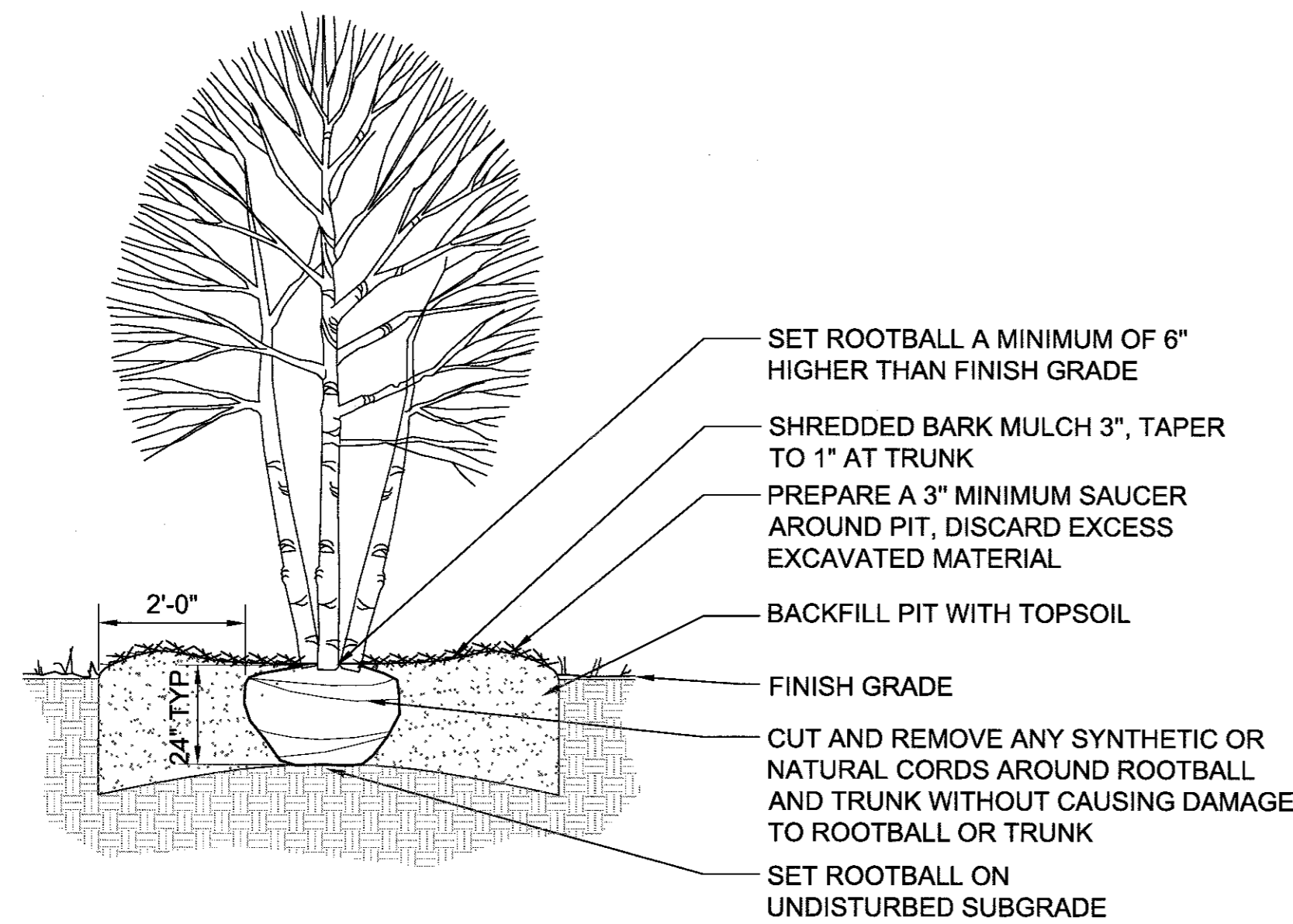
D-SHRUB



### 4 PERENNIAL PLANTING

SCALE: 1/2" = 1'-0"

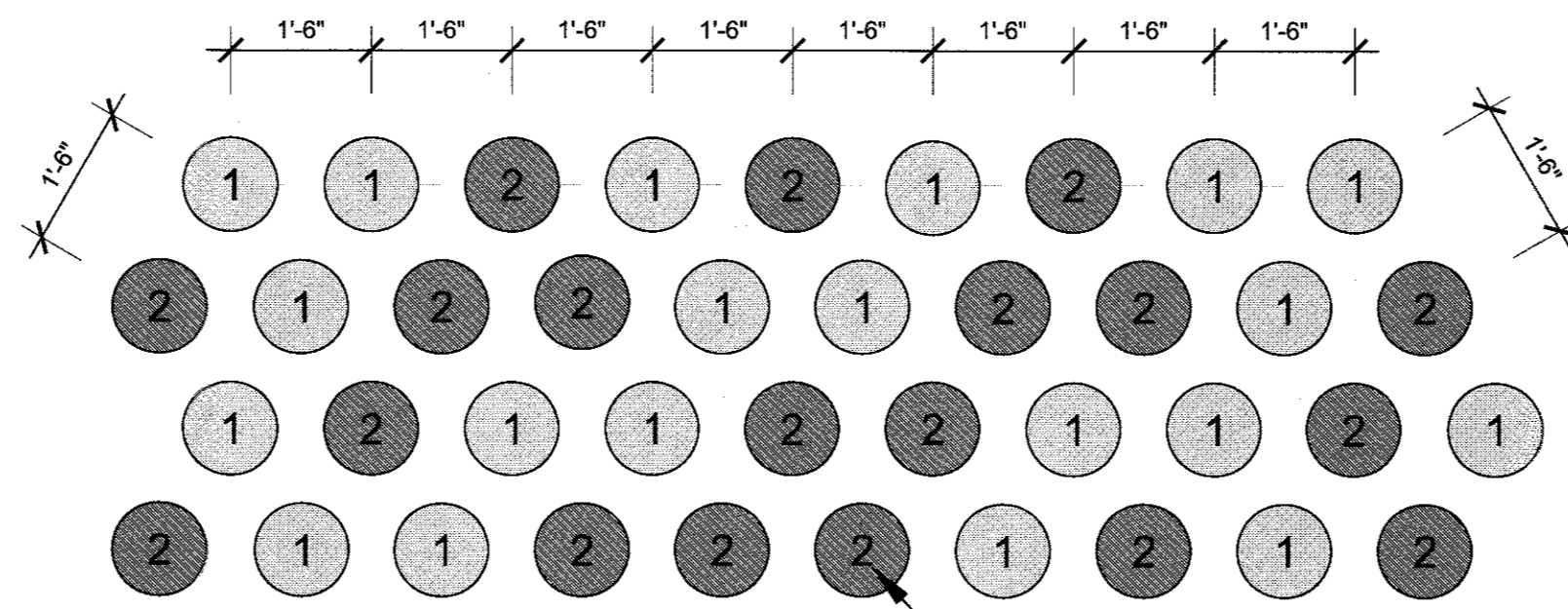
D-ANNUAL-PERENNIAL



### 2 ORNAMENTAL TREE PLANTING

SCALE: 1/2" = 1'-0"

D-ORNAMENTAL TREE



NOTE:  
1. SPACING IS TO BE TRIANGULAR  
2. INTENT IS FOR PLANT SPECIES TO BE RANDOMLY, BUT EVENLY PLACED THROUGHOUT BED  
PLANT SPECIES QUANTITIES VARY PER PLANTING BED. SEE PLANTING PLANS FOR INDIVIDUAL BEDS.

### 5 PERENNIAL SPACING AND PLANTING PATTERN

1/2" = 1'-0"

## PLANT MATERIAL LIST

Code	Botanical Name	Common Name	Size	Qty
<b>Shade Trees</b>				
ARU2.5	ACER RUBRUM	RED MAPLE	2 1/2" C	2
BNI.10	BETULA NIGRA	RIVER BIRCH	10" HT	3
COV2.0	CARYA OVATA	SHAGBARK HICKORY	2" C	1
UMG2.5	ULMUS 'MORTON GLOSSY'	TRIUMPH ELM	2 1/2" C	3

Code	Botanical Name	Common Name	Size	Qty
<b>Intermediate Trees</b>				
AMA.08	AMELANCHIER X GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY	8" HT	12
CCD.08	CERCIS CANADENSIS	EASTERN REDBUD	8" HT	6
COM.06	CORNUS MAS	CORNELIANCHERRY DOGWOOD	6" HT	7
CCI.08	CRATAEGUS CRUGGALLI VAR. INERMIS	THORNLESS COCKSPUR HAWTHORN	8" HT	9
HVI.06	HAMAMELIS VIRGINIANA	COMMON WITCHHAZEL	6" HT	5
SRE.08	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	8" HT	13
VPR.06	VIBURNUM PRUNIFOLIUM	BLACKHAW VIBURNUM	6" HT	12

Code	Botanical Name	Common Name	Size	Qty
<b>Deciduous Shrubs</b>				
AEP36	AESCULUS PARVIFLORA	BOTTLEBRUSH BUCKEYE	36" HT	17
AAB36	ARONIA ARBUTIFOLIA 'BRILLIANTISSIMA'	BRILLIANT RED CHOKEBERRY	36" HT	16
AME36	ARONIA MELANOCARPA	BLACK CHOKEBERRY	36" HT	14
CEC36	CEPHALANTHUS OCCIDENTALIS	BUTTON BUSH	36" HT	15
COR48	CORNUS RACEMOSA	GRAY DOGWOOD	48" HT	11
RGL36	RHUS GLABRA	SMOOTH SUMAC	36" HT	10

Code	Botanical Name	Common Name	Size	Qty
<b>Evergreen Shrubs</b>				
JCK24	JUNIPERUS CHINENSIS 'KALLAY COMPACT'	KALLAY COMPACT CHINESE JUNIPER	24" W	10
JSG24	JUNIPERUS CHINENSIS 'SEA GREEN'	SEA GREEN CHINESE JUNIPER	24" W	74

Code	Botanical Name	Common Name	Size	Qty
<b>Perennials</b>				
ATS6	ALLIUM TANGUTICUM 'SUMMER BEAUTY'	SUMMER BEAUTY ORNAMENTAL CHIVE	1 GAL	193
CAK6	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	1 GAL	77
CMW6	CALAMINTHA NEPETA 'MONTROSE WHITE'	MONTROSE WHITE CALAMINT	1 GAL	114
EPM6	ECHINACEA PURPUREA 'MAGNUS'	MAGNUS PURPLE CONEFLOWER	1 GAL	165
PVR6	PANICUM VIRGATUM 'ROSTRAHLBUSCH'	RED SWITCH GRASS	1 GAL	105
PLS6	PEROVSKIA ATRIPLICIFOLIA 'LITTLE SPIRE'	LITTLE SPIRE RUSSIAN SAGE	1 GAL	207
RSS6	RUDBECKIA SPECIOSA VAR. SULLIVANTII	SHOWY BLACK-EYED SUSAN	1 GAL	82
SES6	SESLARIA AUTUMNALIS	AUTUMN MOOR GRASS	1 GAL	193
SHE6	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	1 GAL	54

ALL PERENNIALS TO BE PAID FOR AS PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT (1 UNIT = 100 PLANTS)

TOTAL PERENNIALS: 1190  
TOTAL UNITS: 11.90

## PLANTING NOTES

- SEED TO LIMITS OF DISTURBANCE FOR RESTORATION ONLY. CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ANY UNAUTHORIZED DISRUPTION OUTSIDE OF DESIGNATED CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL IN ALL DISTURBED AREAS. ALL DISTURBED AREAS ARE TO BE PROTECTED WITHIN 24 HOURS. DO NOT DISTURB MORE AREA THAN CAN BE COMPLETED AND PROTECTED WITHIN 24 HOURS.
- PLACE TOPSOIL TO A DEPTH OF 4 INCHES FOR ALL CLASS 2A SEED AREAS. PLACE TOPSOIL TO A DEPTH OF 12 INCHES FOR ALL PLANTING BED AREAS. PLACE TOPSOIL IN SELECTIVE CLEARING AREA AS NEEDED TO CREATE A SMOOTH AND UNIFORM GROUND PLANE AS DIRECTED BY ENGINEER, PAID FOR AS TOPSOIL FURNISH AND PLACE, SPECIAL.
- PROVIDE EROSION CONTROL BLANKET FOR ALL SEEDING CLASS 2A AREAS. PROVIDE MULCH METHOD 2 FOR ALL SEEDING CLASS 4A (MODIFIED) AND SEEDING CLASS 5 (MODIFIED) AREAS.
- REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL CONDITIONS, STANDARDS AND NOTES.

J:\PROJECTS\ALPHA\ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITP ENHANCEMENTS\03 GRAPHICS\02 DD-CD\08-LANDSCAPE DETAILS.DWG 32  
Plotted: 08.06.2017 By: MWOOD



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

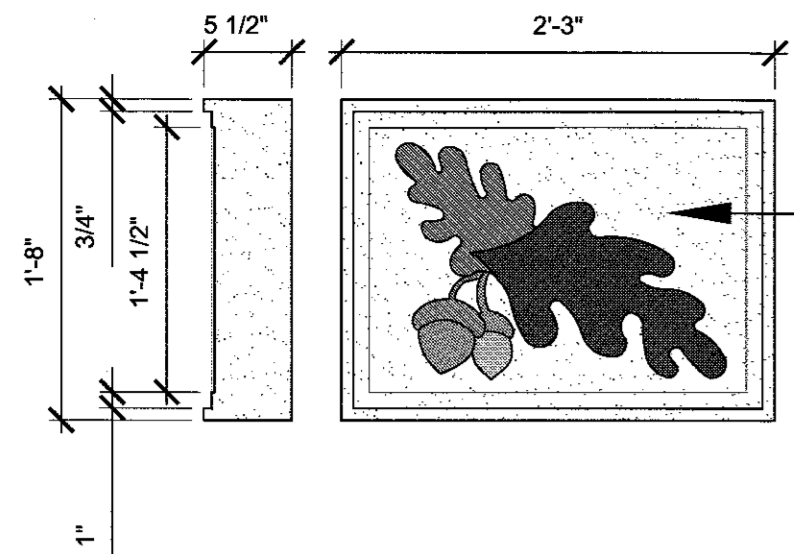
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

### PLANTING DETAILS

SCALE: PROJECT - 03-0868-002-01-02 STA. TO STA.

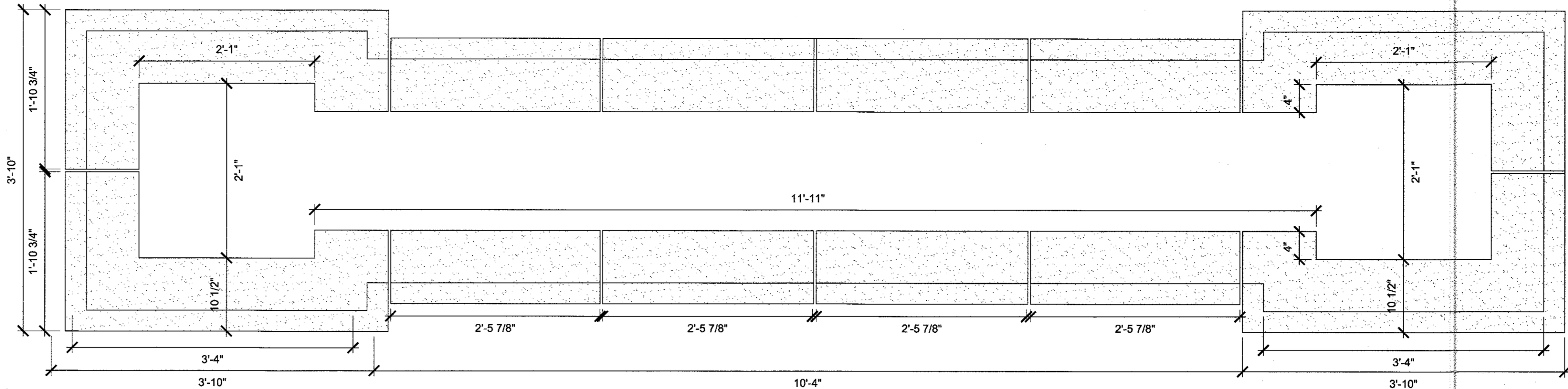
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	32
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



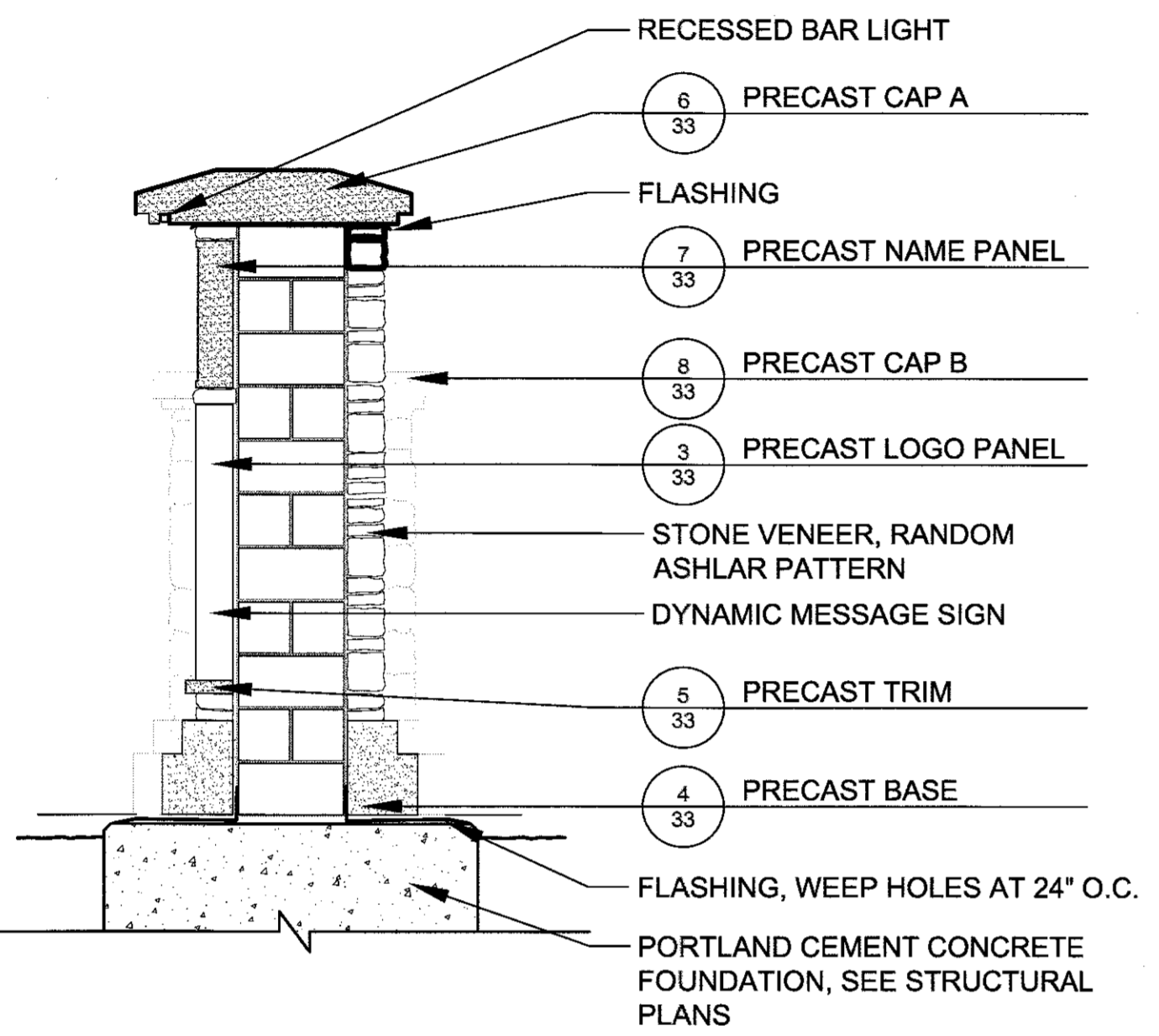
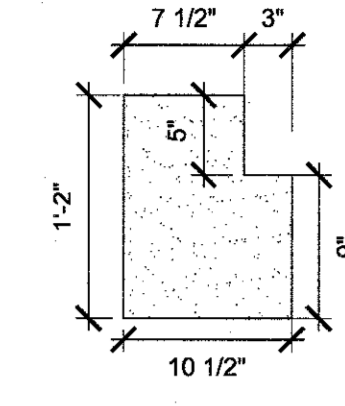


CAST STONE LOGO PANEL, SANDBLASTED, LEAVES STAINED 2 SHADES OF GREEN AND ACORNS 2 SHADES OF BROWN

**3 PRECAST LOGO PANEL**  
Scale: 1" = 1'-0"

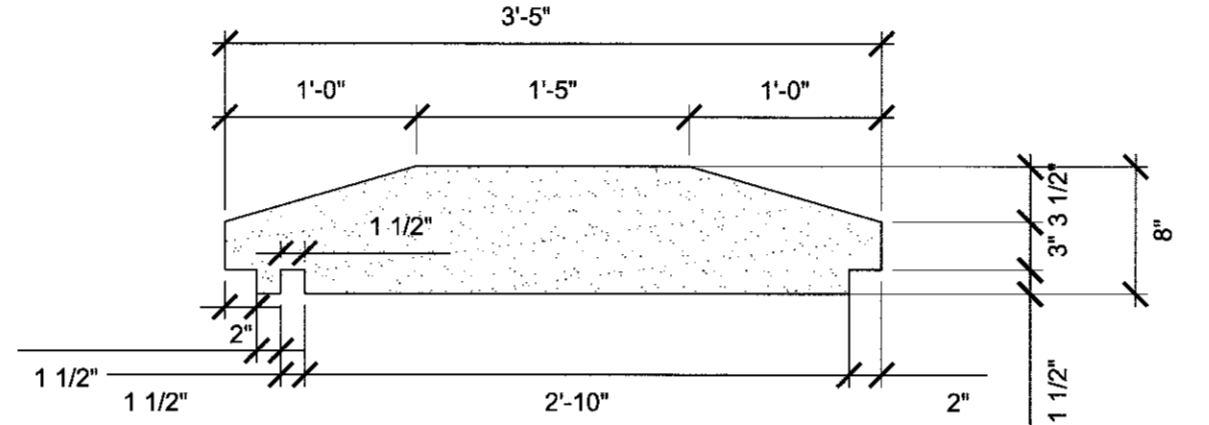


**4 PRECAST BASE**  
Scale: 1" = 1'-0"

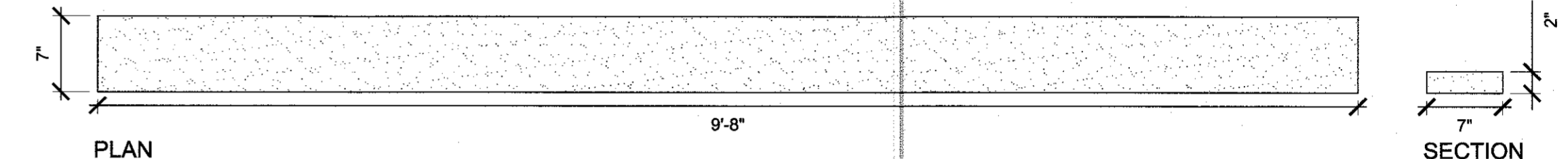


**1 GATEWAY MONUMENT SIGN COMPLETE - SECTION**  
Scale: 1/2" = 1'-0"

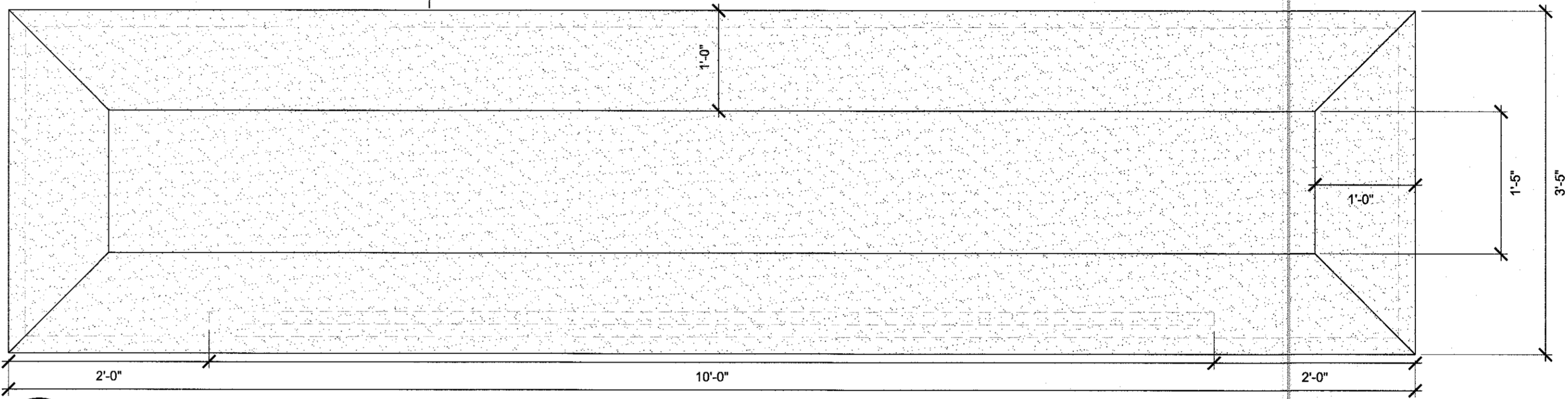
- GATEWAY MONUMENT SIGN NOTES**
1. SEE STRUCTURAL PLANS FOR DIMENSIONS, MASONRY TIES, REINFORCEMENT, ELECTRICAL AND CONDUIT LOCATIONS, AND FOUNDATION DETAILS. PROVIDE PRECAST LOGO AND NAME PANELS ON ONE SIDE OF EACH COLUMN, FACING ONCOMING TRAFFIC.
  2. LOCAL AGENCY WILL PROVIDE LOGO ARTWORK PRIOR TO FABRICATION.
  3. CONFIRM LIGHT FIXTURE PLACEMENT PRIOR TO FABRICATION OF PRECAST CAP A.
  4. ALL PRECAST CAPS TO HAVE DRIP EDGE.



**6 PRECAST CAP A**  
Scale: 1" = 1'-0"



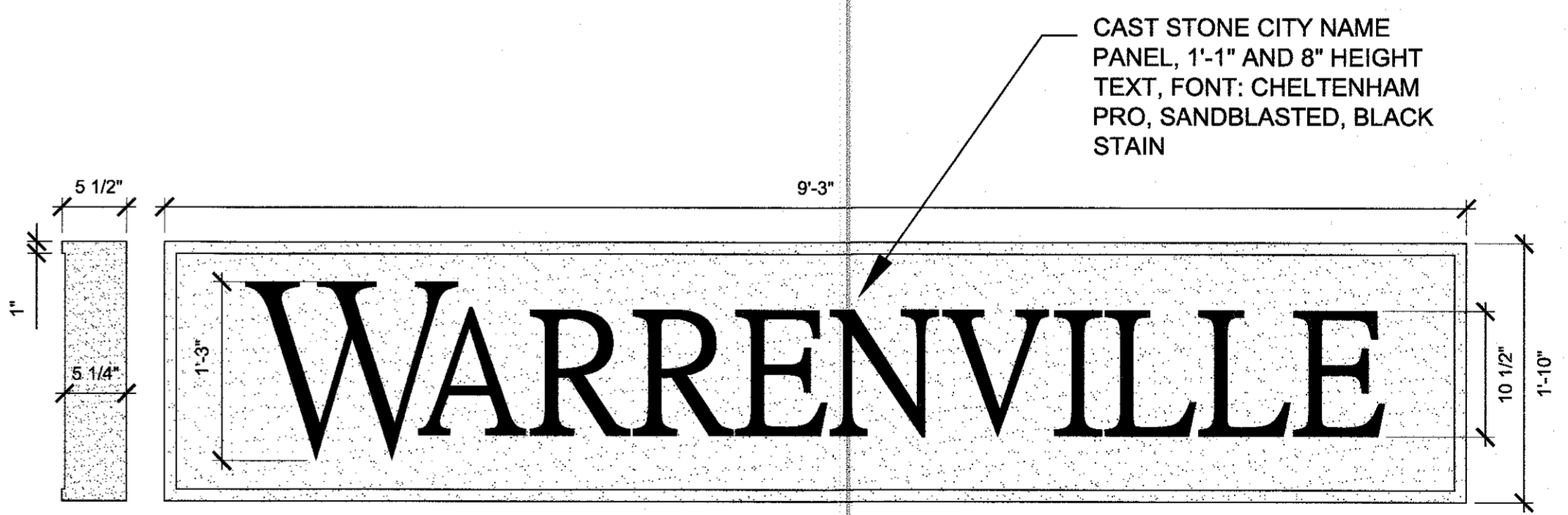
**5 PRECAST TRIM**  
Scale: 1" = 1'-0"



**8 PRECAST CAP B**  
Scale: 1" = 1'-0"



**2 GATEWAY MONUMENT SIGN COMPLETE - ELEVATION**  
Scale: 1/2" = 1'-0"



CAST STONE CITY NAME PANEL, 1'-1" AND 8" HEIGHT TEXT, FONT: CHELTENHAM PRO, SANDBLASTED, BLACK STAIN

**7 PRECAST NAME PANEL**  
Scale: 1" = 1'-0"

J:\PROJECTS\ALPHA ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 IEP ENHANCEMENTS\09 GRAPHICS\02 DD--CD\07.0--CONSTRUCTION DETAILS.DWG 33  
Plot Date: 08.06.2017 By: MW002



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SCALE: AS SHOWN

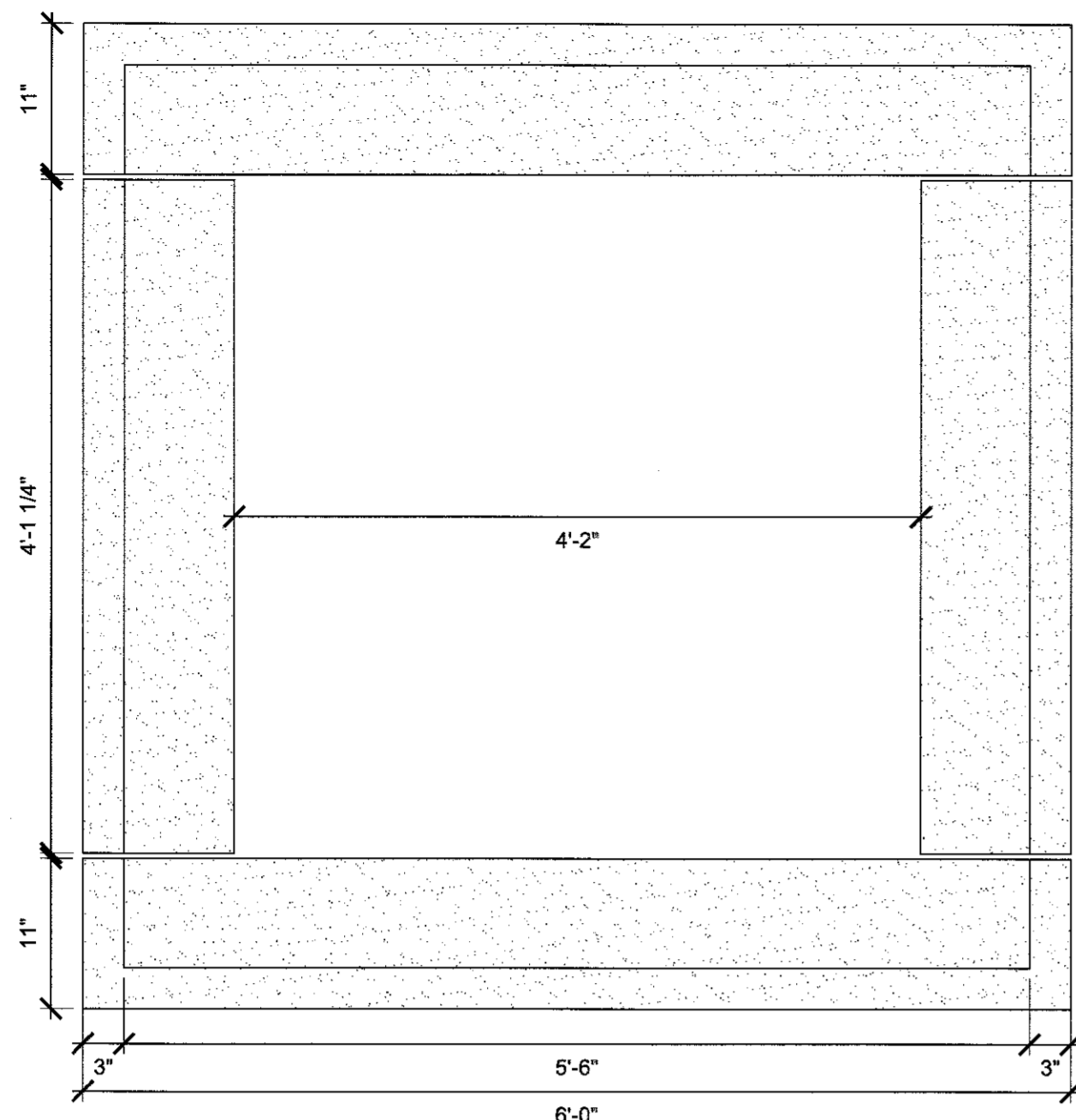
PROJECT - 03-0868-002-01-02 STA.

TO STA.

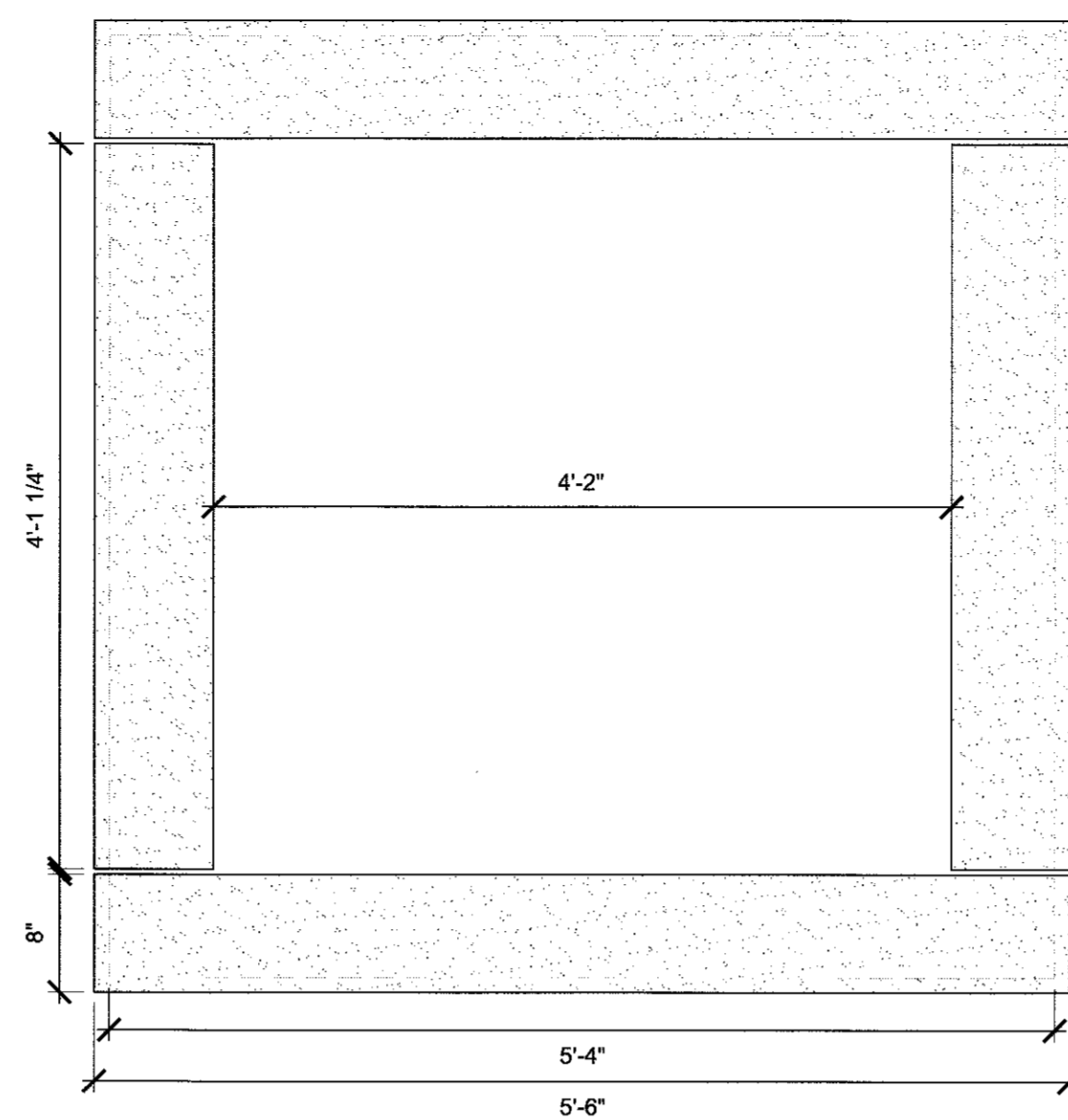
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	33
CONTRACT NO. 61D93			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



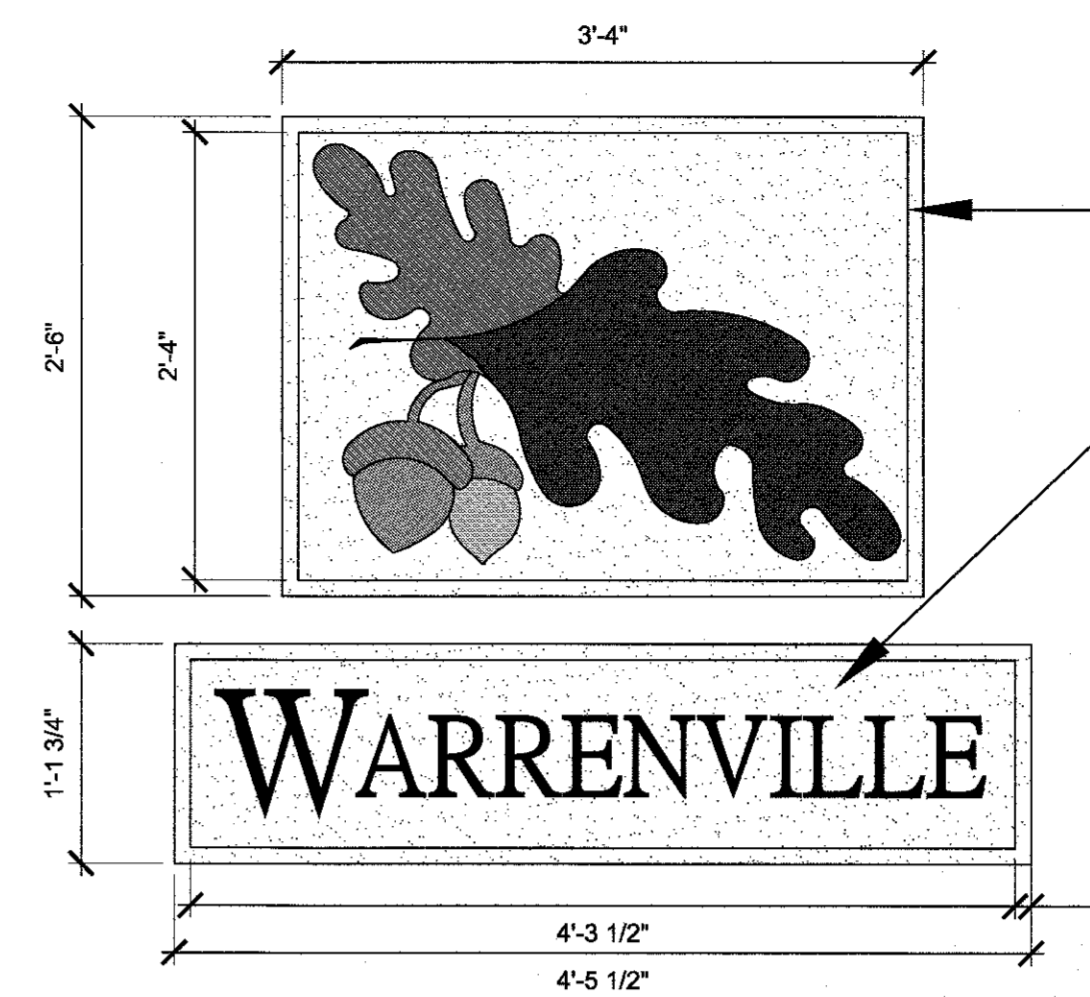




**2 PRECAST BASE**  
Scale: 1" = 1'-0"



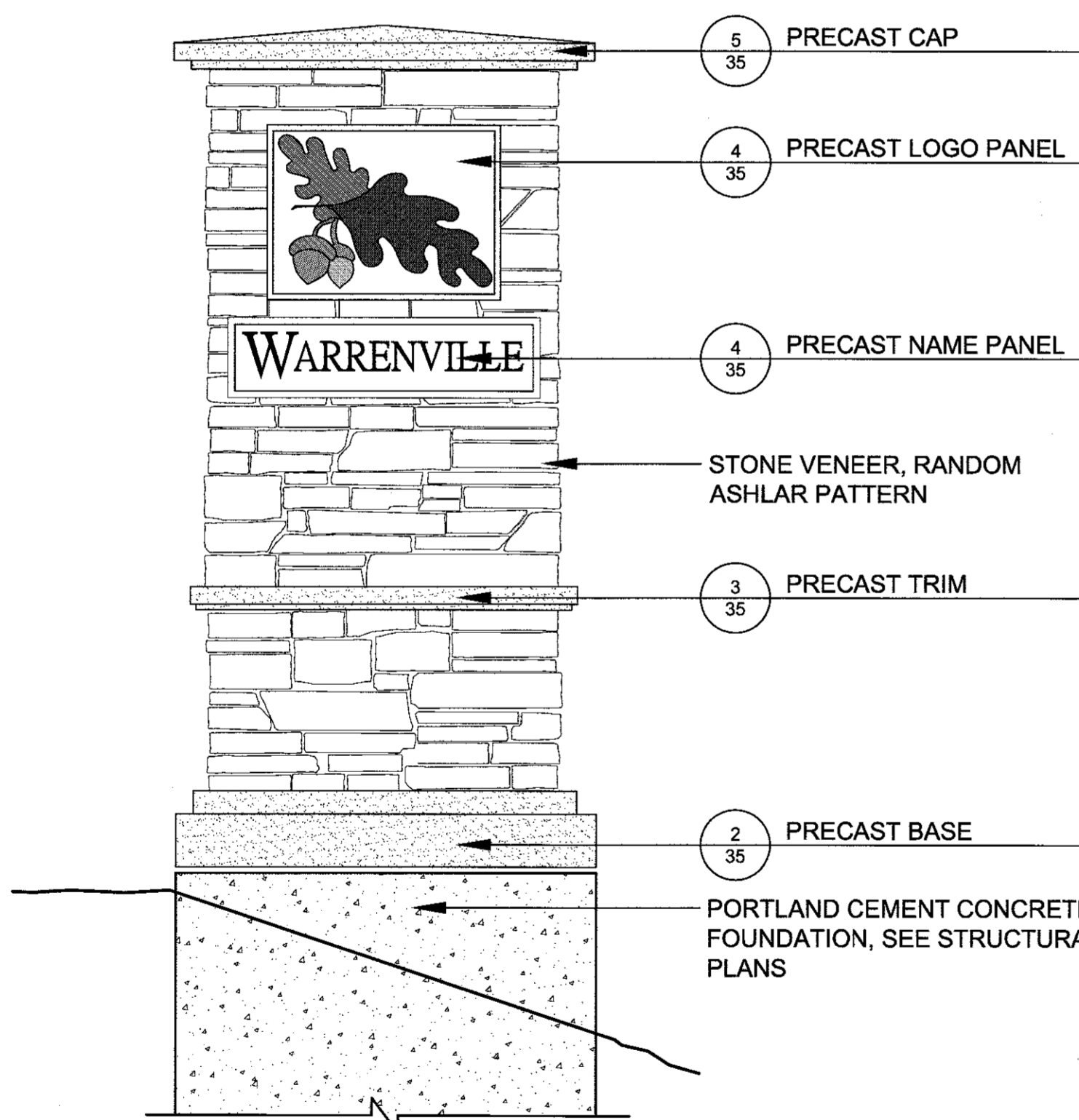
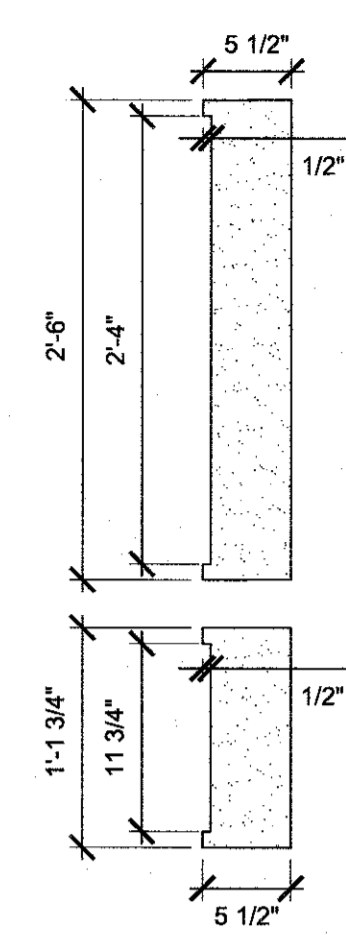
**3 PRECAST TRIM**  
Scale: 1" = 1'-0"



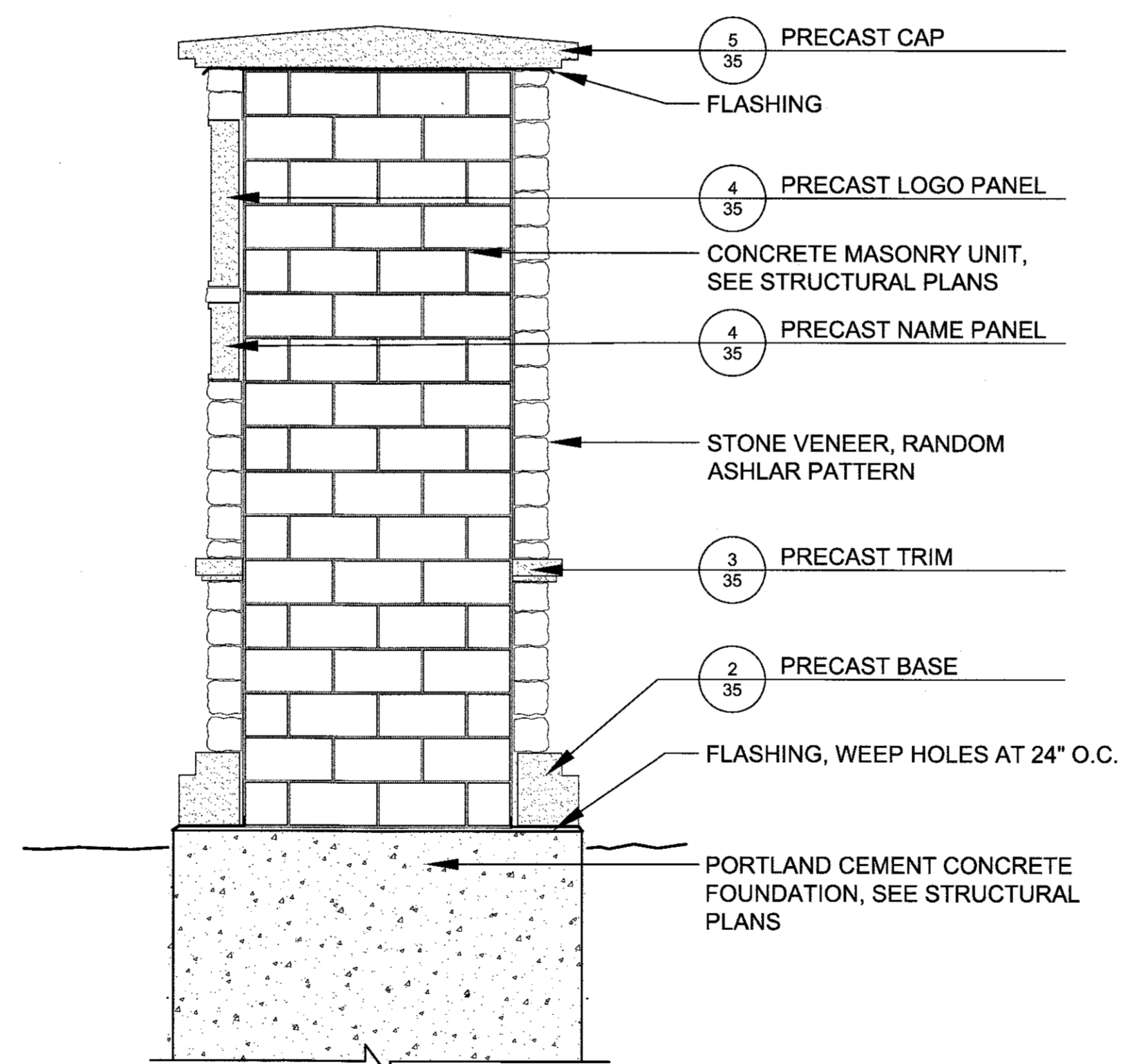
**4 PRECAST NAME AND LOGO PANEL**  
Scale: 1" = 1'-0"

CAST STONE LOGO PANEL, SANDBLASTED, LEAVES STAINED 2 SHADES OF GREEN AND ACORNS 2 SHADES OF BROWN

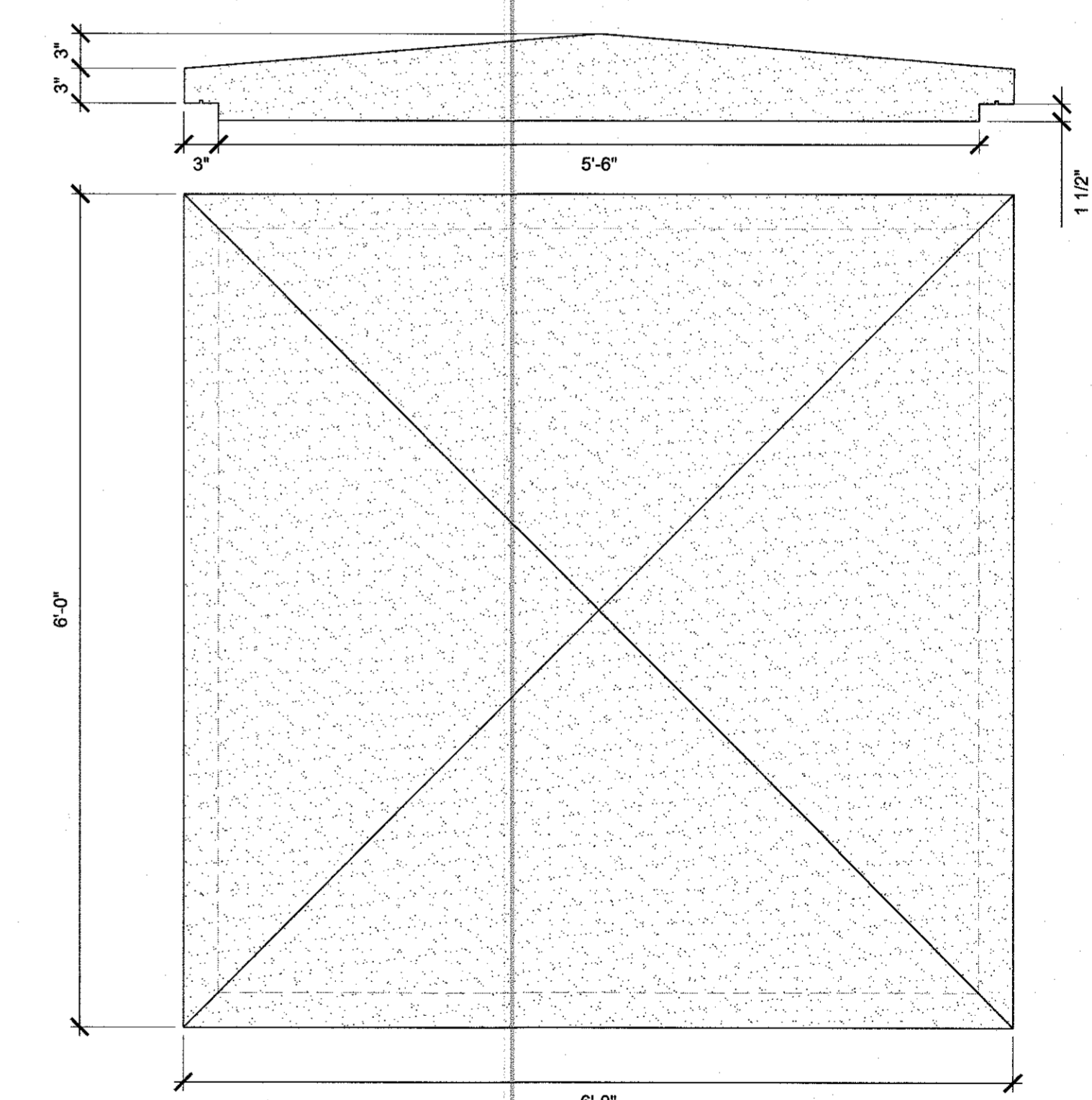
CAST STONE CITY NAME PANEL, 8" AND 5" HEIGHT TEXT, FONT: CHELTENHAM PRO, SANDBLASTED, BLACK STAIN



**1 MASONRY COLUMN, LARGE**  
SCALE: 1/2" = 1'-0"



- MASONRY COLUMN NOTES**
- SEE STRUCTURAL PLANS FOR DIMENSIONS, MASONRY TIES, REINFORCEMENT AND FOUNDATION DETAILS.
  - PROVIDE PRECAST LOGO AND NAME PANELS ON ONE SIDE OF EACH COLUMN, FACING ONCOMING TRAFFIC.
  - LOCAL AGENCY WILL PROVIDE LOGO ARTWORK PRIOR TO FABRICATION.
  - PRECAST CAP TO HAVE A DRIP EDGE.



**5 PRECAST CAP**  
Scale: 1" = 1'-0"

J:\PROJECTS\ALPHA\ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITP ENHANCEMENTS\09 GRAPHICS\02 DD-CD\07.0-CONSTRUCTION DETAILS.DWG 35  
Project: 08.06.2017 By: MW000



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

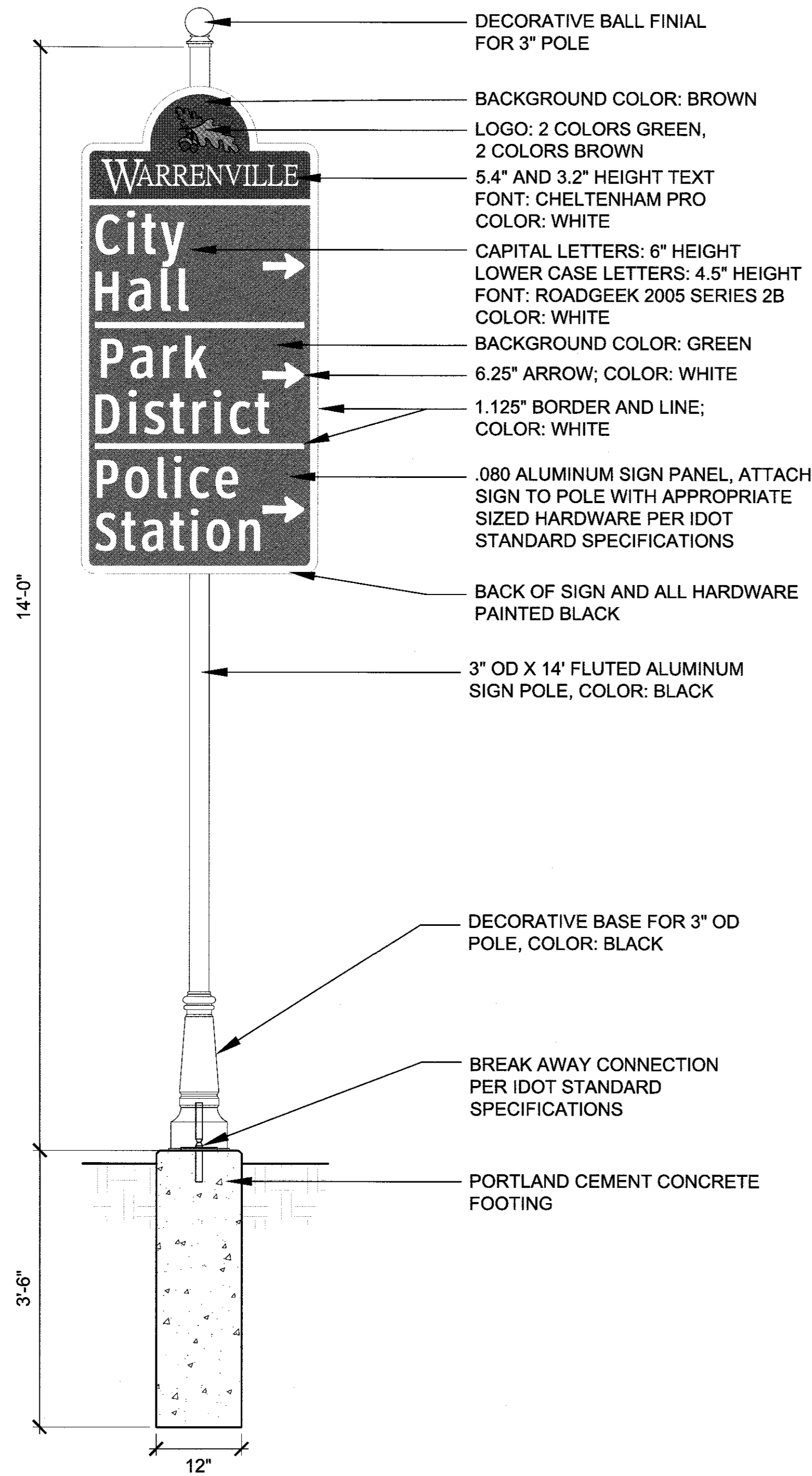
**CONSTRUCTION DETAILS**

SCALE: AS SHOWN PROJECT - 03-0868-002-01-02 STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	35
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D93	



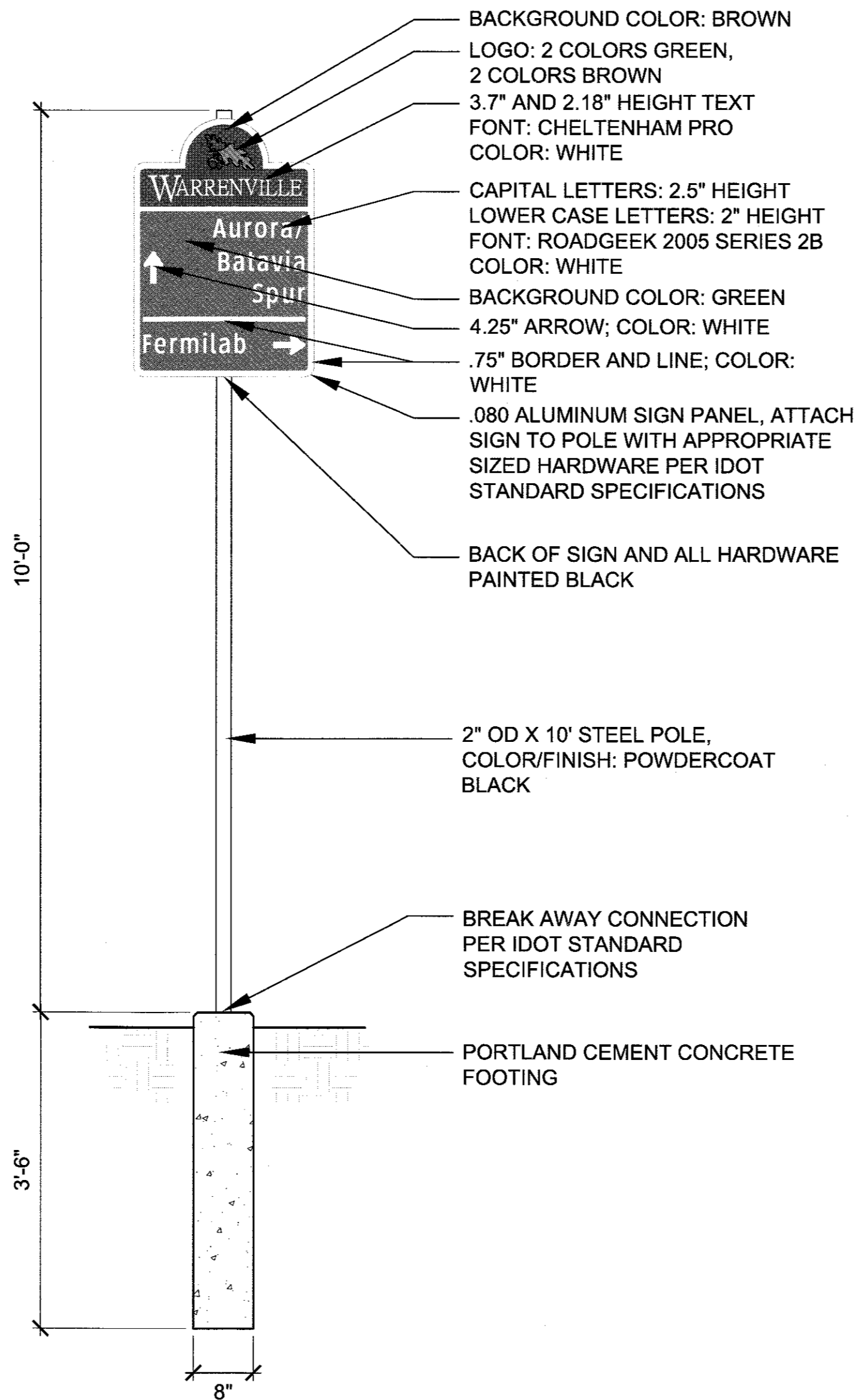
J:\PROJECTS\ALPHA\ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITEMP ENHANCEMENTS\09 GRAPHICS\02 DD-CD\07.0-CONSTRUCTION DETAILS.DWG 36  
 Plotted: 08.06.2017 By: MWOOD



- DECORATIVE BALL FINIAL FOR 3" POLE
- BACKGROUND COLOR: BROWN
- LOGO: 2 COLORS GREEN, 2 COLORS BROWN
- 5.4" AND 3.2" HEIGHT TEXT
- FONT: CHELTENHAM PRO
- COLOR: WHITE
- CAPITAL LETTERS: 6" HEIGHT
- LOWER CASE LETTERS: 4.5" HEIGHT
- FONT: ROADGEEK 2005 SERIES 2B
- COLOR: WHITE
- BACKGROUND COLOR: GREEN
- 6.25" ARROW; COLOR: WHITE
- 1.125" BORDER AND LINE; COLOR: WHITE
- .080 ALUMINUM SIGN PANEL, ATTACH SIGN TO POLE WITH APPROPRIATE SIZED HARDWARE PER IDOT STANDARD SPECIFICATIONS
- BACK OF SIGN AND ALL HARDWARE PAINTED BLACK
- 3" OD X 14' FLUTED ALUMINUM SIGN POLE, COLOR: BLACK

- DECORATIVE BASE FOR 3" OD POLE, COLOR: BLACK
- BREAK AWAY CONNECTION PER IDOT STANDARD SPECIFICATIONS
- PORTLAND CEMENT CONCRETE FOOTING

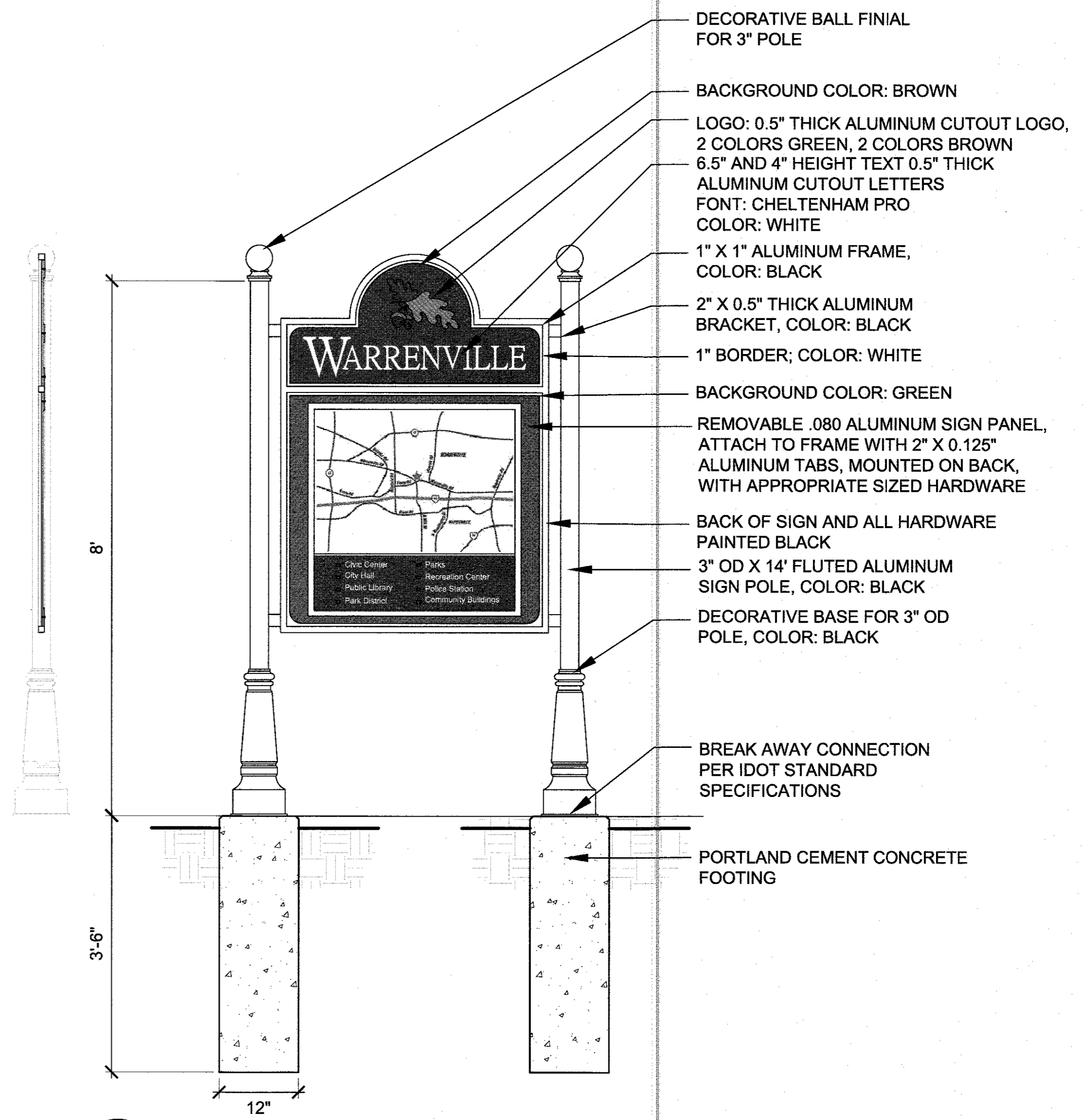
**1** WAYFINDING SIGN  
 SCALE: 3/4" = 1'-0"



- BACKGROUND COLOR: BROWN
- LOGO: 2 COLORS GREEN, 2 COLORS BROWN
- 3.7" AND 2.18" HEIGHT TEXT
- FONT: CHELTENHAM PRO
- COLOR: WHITE
- CAPITAL LETTERS: 2.5" HEIGHT
- LOWER CASE LETTERS: 2" HEIGHT
- FONT: ROADGEEK 2005 SERIES 2B
- COLOR: WHITE
- BACKGROUND COLOR: GREEN
- 4.25" ARROW; COLOR: WHITE
- .75" BORDER AND LINE; COLOR: WHITE
- .080 ALUMINUM SIGN PANEL, ATTACH SIGN TO POLE WITH APPROPRIATE SIZED HARDWARE PER IDOT STANDARD SPECIFICATIONS
- BACK OF SIGN AND ALL HARDWARE PAINTED BLACK

- 2" OD X 10' STEEL POLE, COLOR/FINISH: POWDERCOAT BLACK
- BREAK AWAY CONNECTION PER IDOT STANDARD SPECIFICATIONS
- PORTLAND CEMENT CONCRETE FOOTING

**2** TRAIL HEAD SIGN, COMPLETE  
 Scale: 3/4" = 1'-0"



- DECORATIVE BALL FINIAL FOR 3" POLE
- BACKGROUND COLOR: BROWN
- LOGO: 0.5" THICK ALUMINUM CUTOUT LOGO, 2 COLORS GREEN, 2 COLORS BROWN
- 6.5" AND 4" HEIGHT TEXT
- 0.5" THICK ALUMINUM CUTOUT LETTERS
- FONT: CHELTENHAM PRO
- COLOR: WHITE
- 1" X 1" ALUMINUM FRAME, COLOR: BLACK
- 2" X 0.5" THICK ALUMINUM BRACKET, COLOR: BLACK
- 1" BORDER; COLOR: WHITE
- BACKGROUND COLOR: GREEN
- REMOVABLE .080 ALUMINUM SIGN PANEL, ATTACH TO FRAME WITH 2" X 0.125" ALUMINUM TABS, MOUNTED ON BACK, WITH APPROPRIATE SIZED HARDWARE
- BACK OF SIGN AND ALL HARDWARE PAINTED BLACK
- 3" OD X 14' FLUTED ALUMINUM SIGN POLE, COLOR: BLACK
- DECORATIVE BASE FOR 3" OD POLE, COLOR: BLACK

- BREAK AWAY CONNECTION PER IDOT STANDARD SPECIFICATIONS
- PORTLAND CEMENT CONCRETE FOOTING

**3** TRAIL HEAD MAP  
 Scale: 3/4" = 1'-0"

- SIGNAGE NOTES:**
1. SIGN PANEL BACKGROUND, LETTERS, BORDERS AND GRAPHICS TO BE RETROREFLECTIVE VINYL. FONTS, COLORS, AND DIMENSIONS AS INDICATED.
  2. LOGO AND MAP ARTWORK TO BE PROVIDED BY LOCAL AGENCY PRIOR TO FABRICATION.
  3. SEE SHEET 38 FOR SIGN LOCATIONS, DIMENSIONS AND MESSAGE SCHEDULE.



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

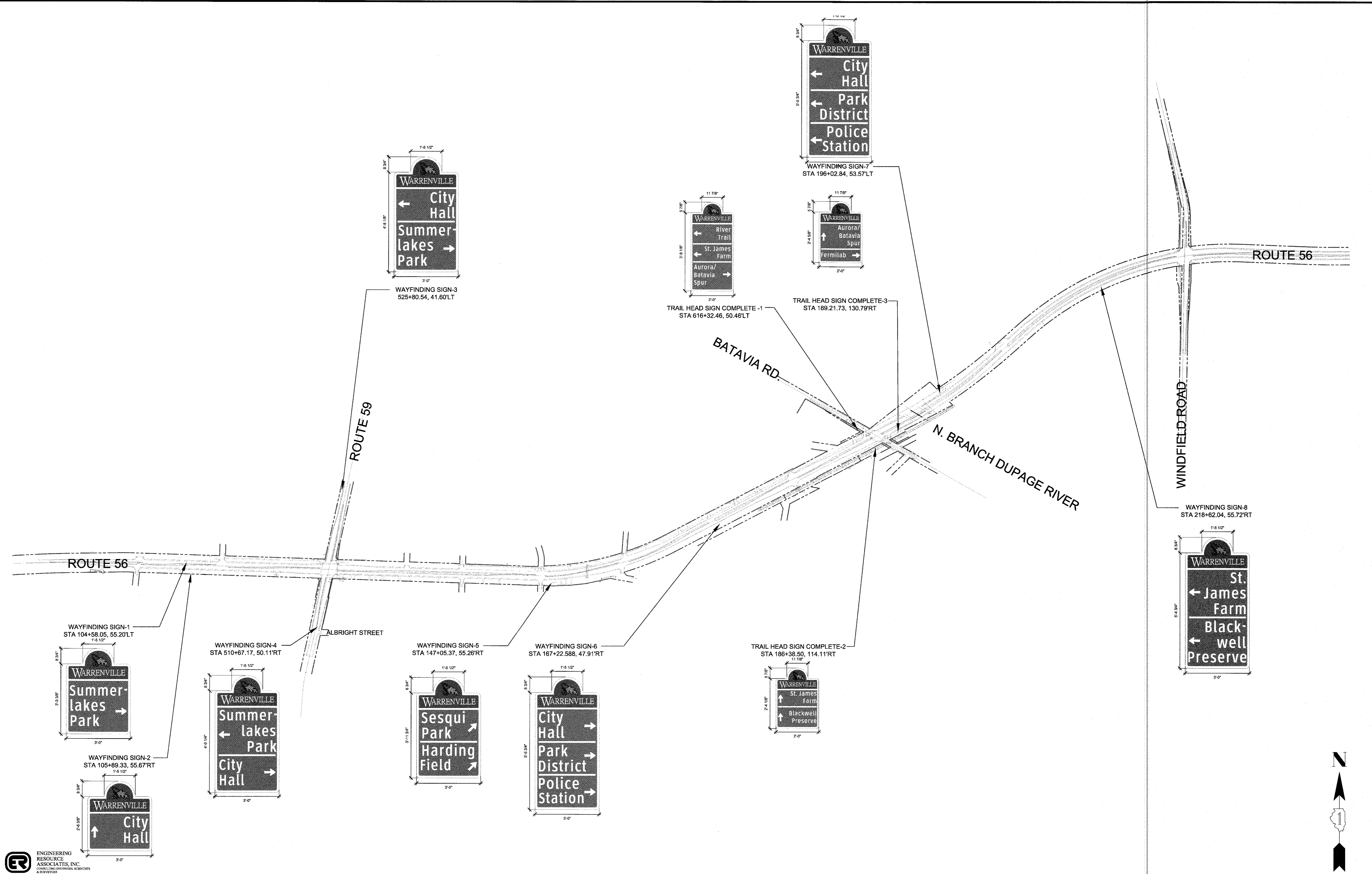
CONSTRUCTION DETAILS

SCALE: AS SHOWN	PROJECT - 03-0868-002-01-02 STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	36
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61D93	



J:\PROJECTS\ALPHA ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITEP ENHANCEMENTS\09 GRAPHICS\02 DD--CD\07.1--CONSTRUCTION DETAILS--SIGNAGE LOCATIONS.DWG 37  
 Plotted: 08/08/2017 By: MWOOD



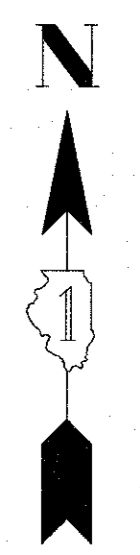
DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

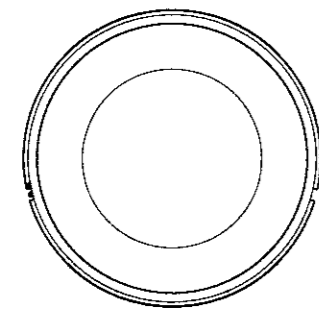
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS**

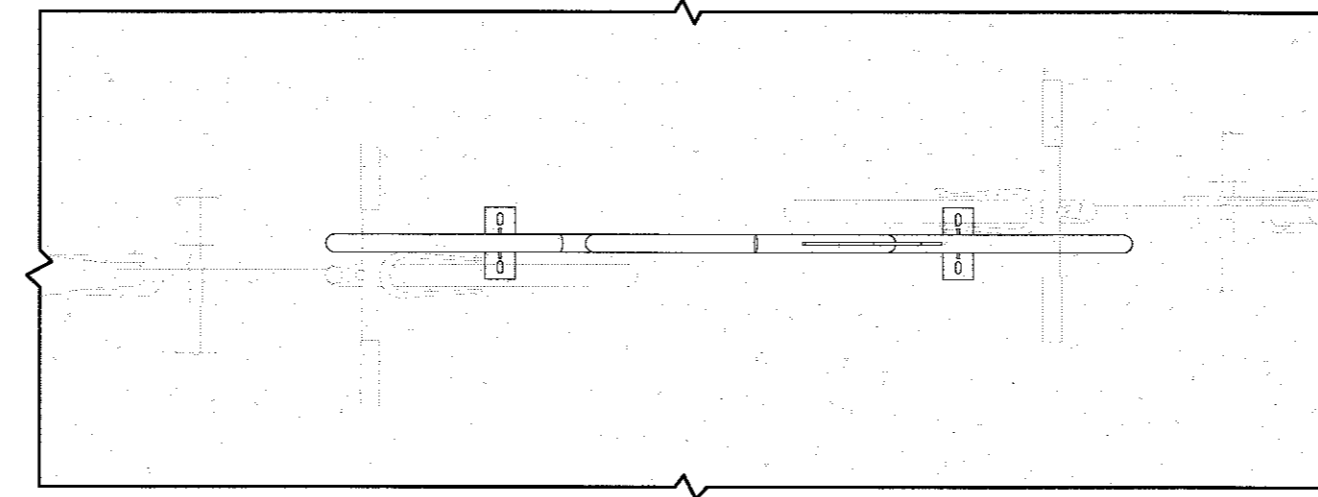
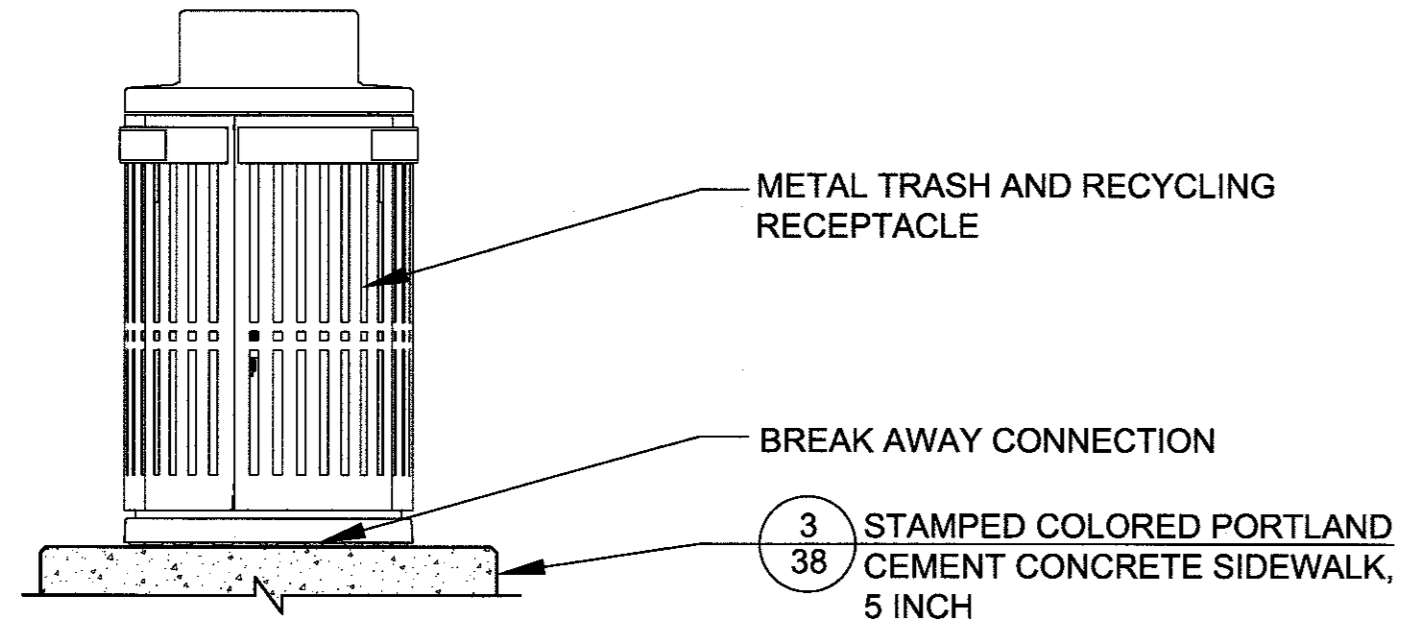
SCALE: N.T.S. PROJECT - 03-0868-002-01-02 STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

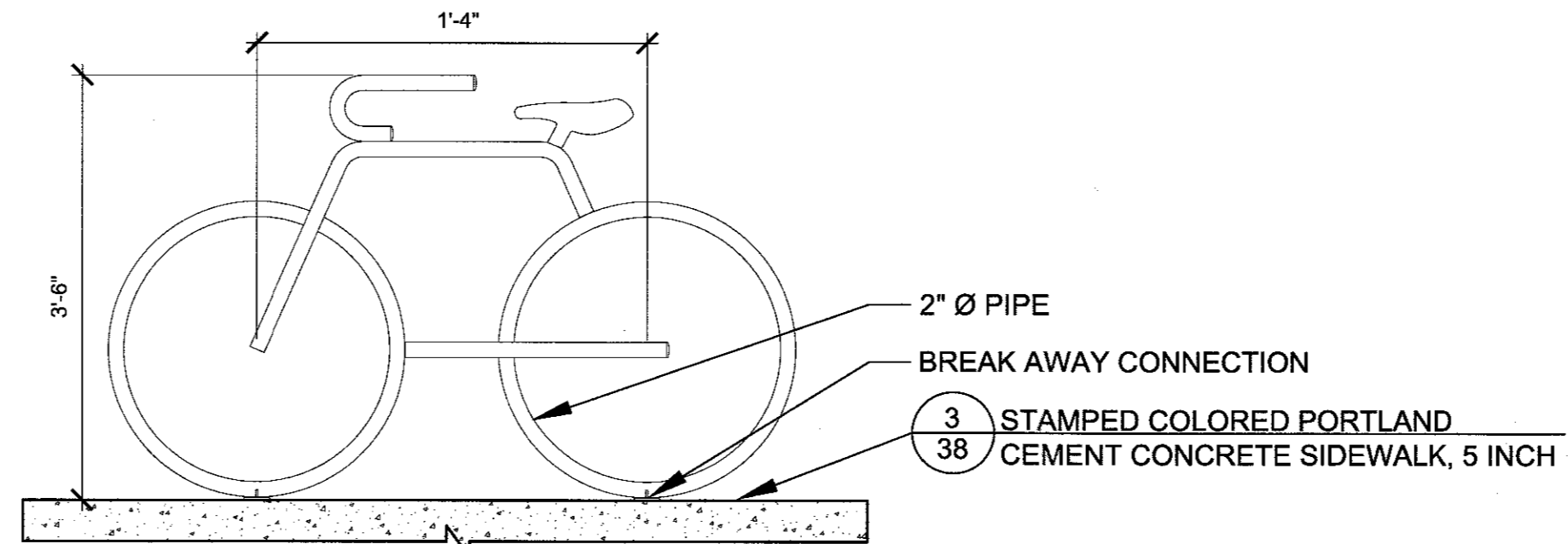




PLAN



PLAN



ELEVATION

**1 TRASH RECEPTACLES**

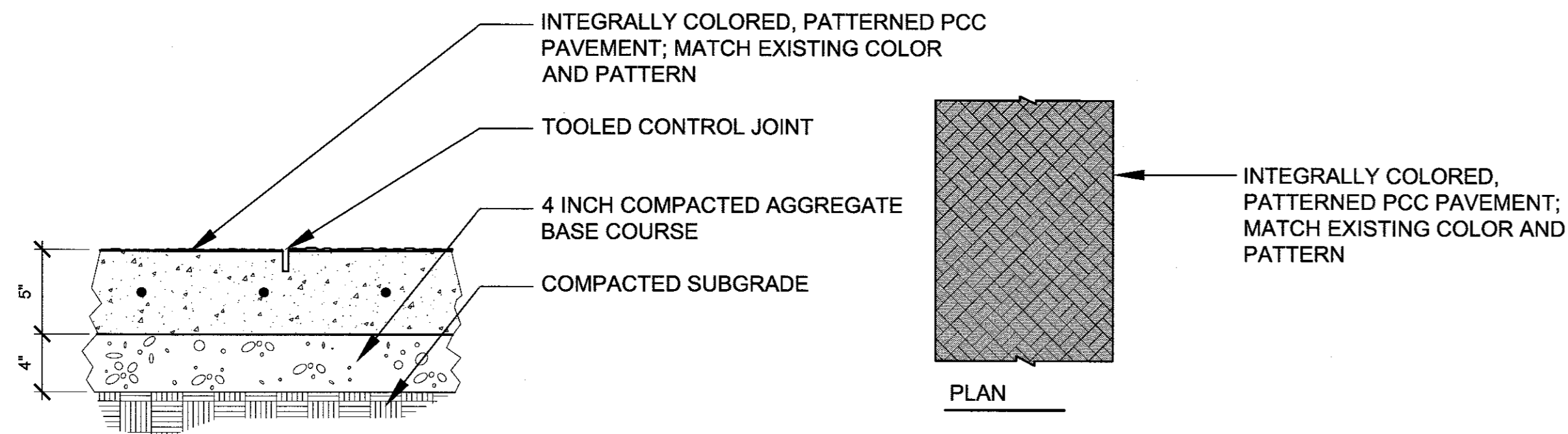
SCALE: 3/4" = 1'-0"

d-file name

**2 BIKE RACK**

Scale: 3/4" = 1'-0"

d-file name



**3 STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH**

SCALE: 1/4" = 1'-0"



DESIGNED - TCK	REVISED -
DRAWN - MPW	REVISED -
CHECKED - TCK	REVISED -
DATE - 05-08-2017	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

SCALE: AS SHOWN PROJECT - 03-0868-002-01-02 STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DUPAGE	64	38
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

J:\PROJECTS\ALPHA\ENGINEERING RESOURCE ASSOCIATES\WARRENVILLE RT 56 ITEP ENHANCEMENTS\09 GRAPHICS\02 DD--CD\07.0-CONSTRUCTION DETAILS.DWG 38  
Plotter: 08-08-2017 By: MWOOD

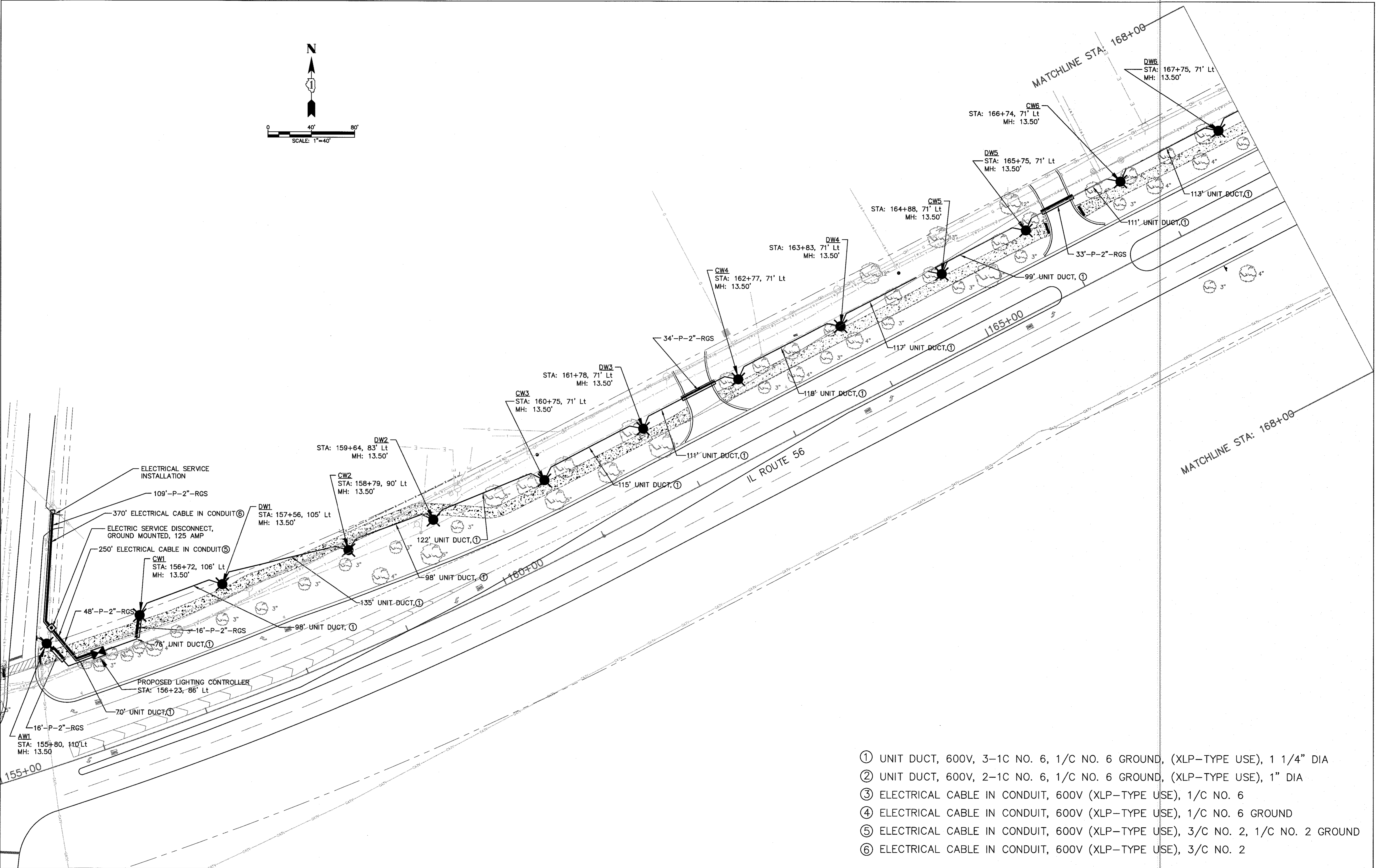
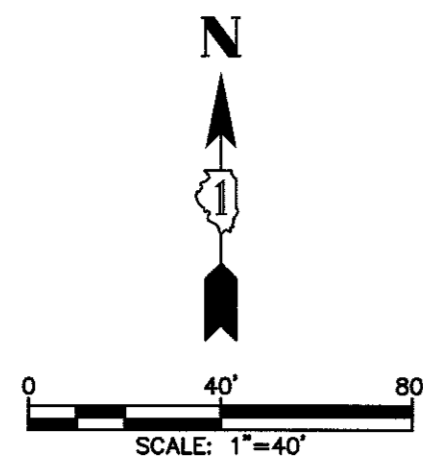




DATE	
BY	
REVISIONS	
PLANNING	
DESIGN	
CONSTRUCTION	
AS-BUILT	
NO. _____	

DATE	
BY	
REVISIONS	
PROFILE	
DESIGN	
CONSTRUCTION	
AS-BUILT	
NO. _____	

FILE NAME: H:\Warrenville\140416\FD Butterfield Road Lighting and Beautification ITP\CADD\140416 BaseTop-Backup.dwg



- ① UNIT DUCT, 600V, 3-1C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/4" DIA
- ② UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA
- ③ ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE), 1/C NO. 6
- ④ ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE), 1/C NO. 6 GROUND
- ⑤ ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE), 3/C NO. 2, 1/C NO. 2 GROUND
- ⑥ ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE), 3/C NO. 2



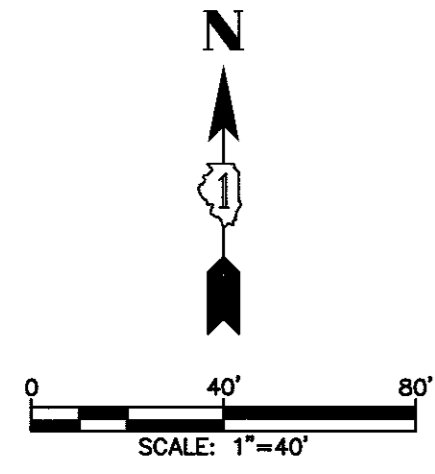
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PLOT SCALE = \$SCALE\$	DRAWN — CF	REVISED —
PLOT DATE = 6/9/2017	CHECKED — JM	REVISED —
	DATE — 05-08-2017	REVISED —

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>LIGHTING PLAN</b>	
SCALE: 1"=40'	SHEET NO. 1 OF 3 SHEETS
STA. 155+00 TO STA. 168+00	

F.A.P. RTE. 365	SECTION 11-00033-00-LS	COUNTY DuPage	TOTAL SHEETS 64	SHEET NO. 40
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. — ILLINOIS FED. AID PROJECT				

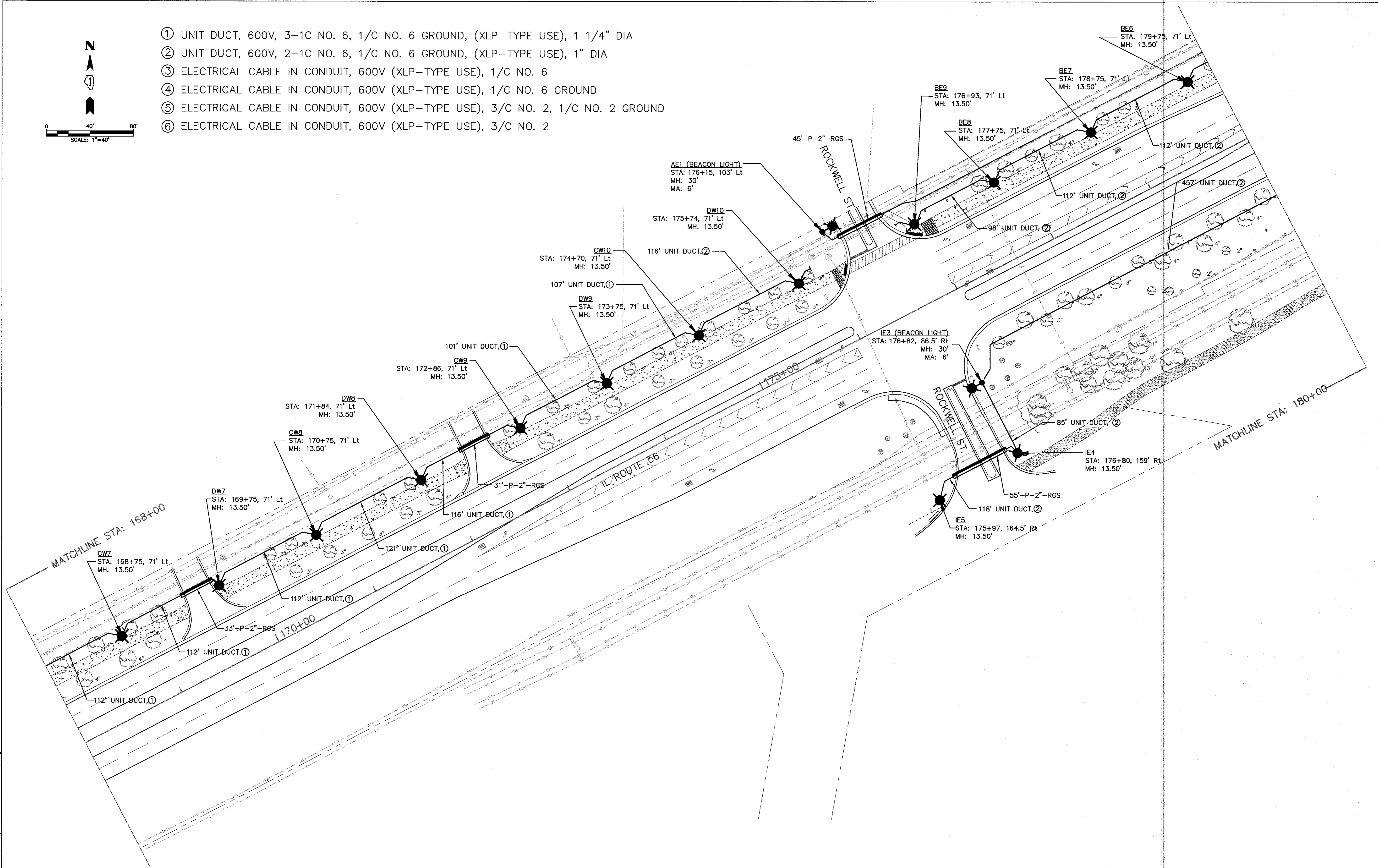
- ① UNIT DUCT, 600V, 3-1C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1 1/4" DIA
- ② UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 6 GROUND, (XLP-TYPE USE), 1" DIA
- ③ ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE), 1/C NO. 6
- ④ ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE), 1/C NO. 6 GROUND
- ⑤ ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE), 3/C NO. 2, 1/C NO. 2 GROUND
- ⑥ ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE), 3/C NO. 2



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

PROFILE	DATE	BY
NO.		
NO.		
NO.		
NO.		
NO.		
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NO.		
NO.		
NO.		

FILE NAME: H:\Warrenville\140416\FD Butterfield Road Lighting and Beautification\TEP\CADD\140416 Base\topo-Backup.dwg



USER NAME = kkolodziejczyk	DESIGNED -- KK	REVISED --
PLOT SCALE = \$SCALE\$	DRAWN -- CF	REVISED --
PLOT DATE = 6/9/2017	CHECKED -- JM	REVISED --
	DATE -- 05-08-2017	REVISED --

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

LIGHTING PLAN		
SCALE: 1"=40'	SHEET NO. 2 OF 3 SHEETS	STA. 168+00 TO STA. 180+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DuPage	64	41
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

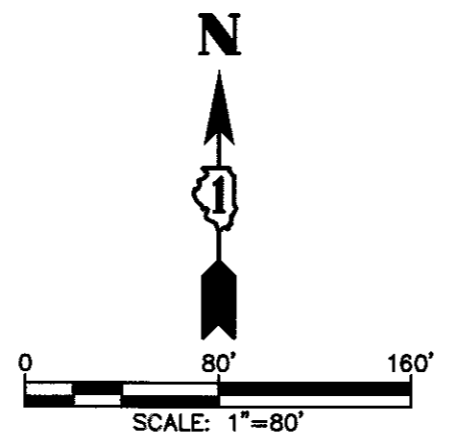




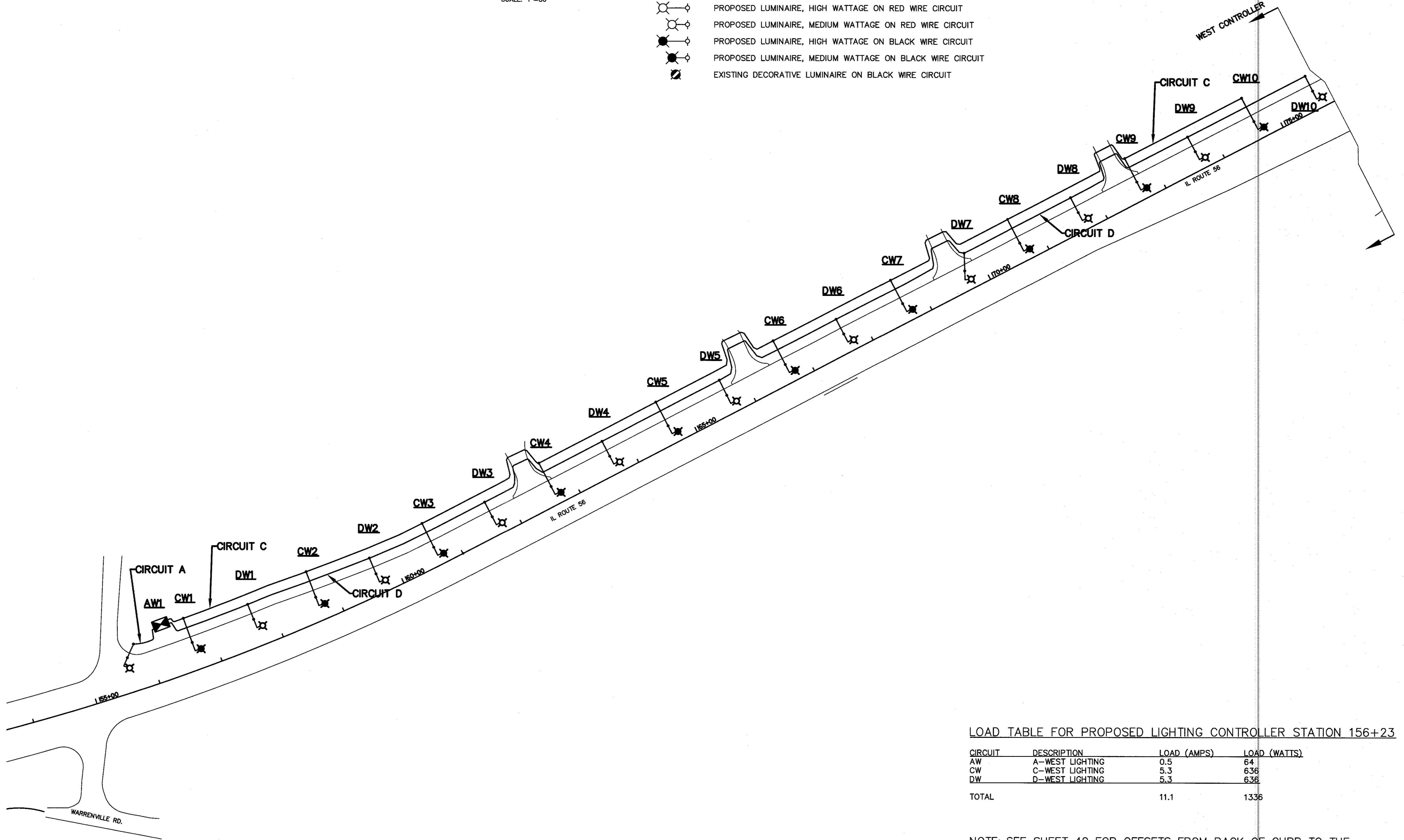
PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLANNED	
	FIELD CHECKED	
	BY	
	PAID FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	NOTED	
	BY	
	STRUCTURE NOTATIONS CHKD	

FILE NAME: H:\Warrenville\140416.FD Butterfield Road Lighting and Beautification ITP\CADD\140416 BaseTopo-Backup.dwg



- LEGEND**
- PROPOSED DECORATIVE LUMINAIRE ON BLACK WIRE CIRCUIT
  - PROPOSED DECORATIVE LUMINAIRE ON RED WIRE CIRCUIT
  - PROPOSED ELECTRICAL CABLE
  - PROPOSED ELECTRICAL CONTROL CABINET
  - SIGN ILLUMINATION
  - PROPOSED LUMINAIRE, HIGH WATTAGE ON RED WIRE CIRCUIT
  - PROPOSED LUMINAIRE, MEDIUM WATTAGE ON RED WIRE CIRCUIT
  - PROPOSED LUMINAIRE, HIGH WATTAGE ON BLACK WIRE CIRCUIT
  - PROPOSED LUMINAIRE, MEDIUM WATTAGE ON BLACK WIRE CIRCUIT
  - EXISTING DECORATIVE LUMINAIRE ON BLACK WIRE CIRCUIT



LOAD TABLE FOR PROPOSED LIGHTING CONTROLLER STATION 156+23

CIRCUIT	DESCRIPTION	LOAD (AMPS)	LOAD (WATTS)
AW	A-WEST LIGHTING	0.5	64
CW	C-WEST LIGHTING	5.3	636
DW	D-WEST LIGHTING	5.3	636
<b>TOTAL</b>		<b>11.1</b>	<b>1336</b>

NOTE: SEE SHEET 40 FOR OFFSETS FROM BACK OF CURB TO THE CENTERLINE OF THE POLE.



USER NAME = cfrovap	DESIGNED - KK	REVISED - ---
	DRAWN - CF	REVISED - ---
PLOT SCALE = *SCALE*	CHECKED - JM	REVISED - ---
PLOT DATE = 6/8/2017	DATE - 05-08-2017	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ONE LINE DIAGRAM

SCALE: 1"=80' SHEET NO. 1 OF 2 SHEETS STA. 155+00 TO STA. 175+88

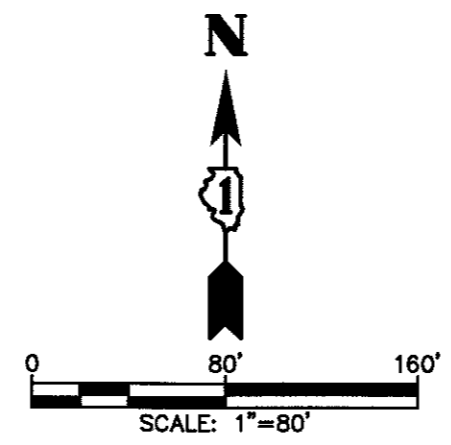
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	IL-00033-00-LS	DuPage	64	43
CONTRACT NO. 6ID93				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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

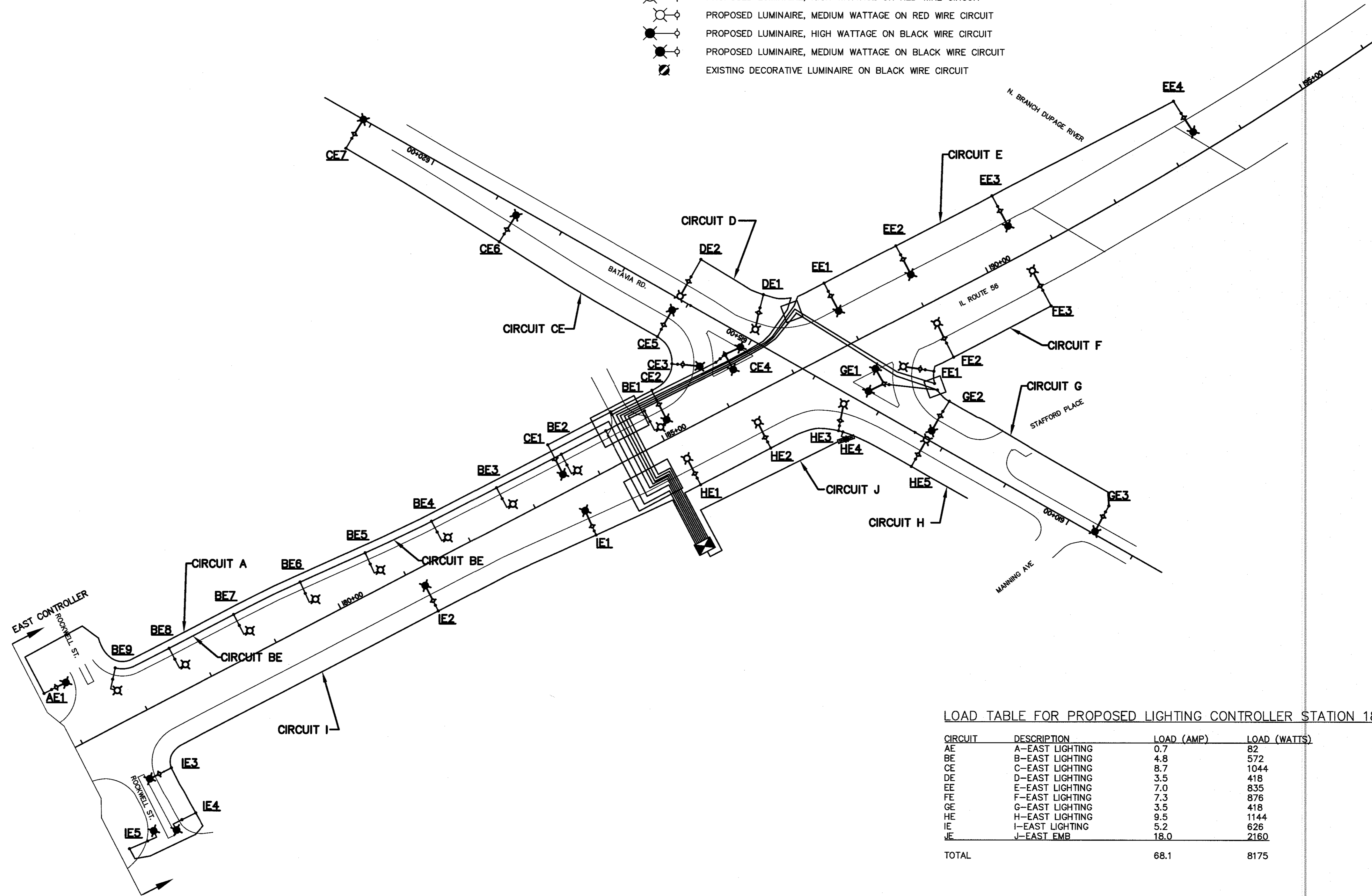
PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	BY	
	DATE	
	NO. OF WAY CHECKED	
	ADD FILE NAME	

FILE NAME: H:\Work\140416 ED\_Batterfield Road Lighting and Reconfiguration.ITP\CADD\140416\_Batterfield-Becdup.dwg



**LEGEND**

- PROPOSED DECORATIVE LUMINAIRE ON BLACK WIRE CIRCUIT
- PROPOSED DECORATIVE LUMINAIRE ON RED WIRE CIRCUIT
- PROPOSED ELECTRICAL CABLE
- PROPOSED ELECTRICAL CONTROL CABINET
- SIGN ILLUMINATION
- PROPOSED LUMINAIRE, HIGH WATTAGE ON RED WIRE CIRCUIT
- PROPOSED LUMINAIRE, MEDIUM WATTAGE ON RED WIRE CIRCUIT
- PROPOSED LUMINAIRE, HIGH WATTAGE ON BLACK WIRE CIRCUIT
- PROPOSED LUMINAIRE, MEDIUM WATTAGE ON BLACK WIRE CIRCUIT
- EXISTING DECORATIVE LUMINAIRE ON BLACK WIRE CIRCUIT



**LOAD TABLE FOR PROPOSED LIGHTING CONTROLLER STATION 184+82**

CIRCUIT	DESCRIPTION	LOAD (AMP)	LOAD (WATTS)
AE	A-EAST LIGHTING	0.7	82
BE	B-EAST LIGHTING	4.8	572
CE	C-EAST LIGHTING	8.7	1044
DE	D-EAST LIGHTING	3.5	418
EE	E-EAST LIGHTING	7.0	835
FE	F-EAST LIGHTING	7.3	876
GE	G-EAST LIGHTING	3.5	418
HE	H-EAST LIGHTING	9.5	1144
IE	I-EAST LIGHTING	5.2	626
JE	J-EAST FMR	18.0	2160
TOTAL		68.1	8175

NOTE: SEE SHEET 40 FOR OFFSETS FROM BACK OF CURB TO THE CENTERLINE OF THE POLE.



USER NAME = cfrovarp	DESIGNED - KK	REVISED - ---
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PLOT DATE = 6/8/2017	DATE - 05-08-2017	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

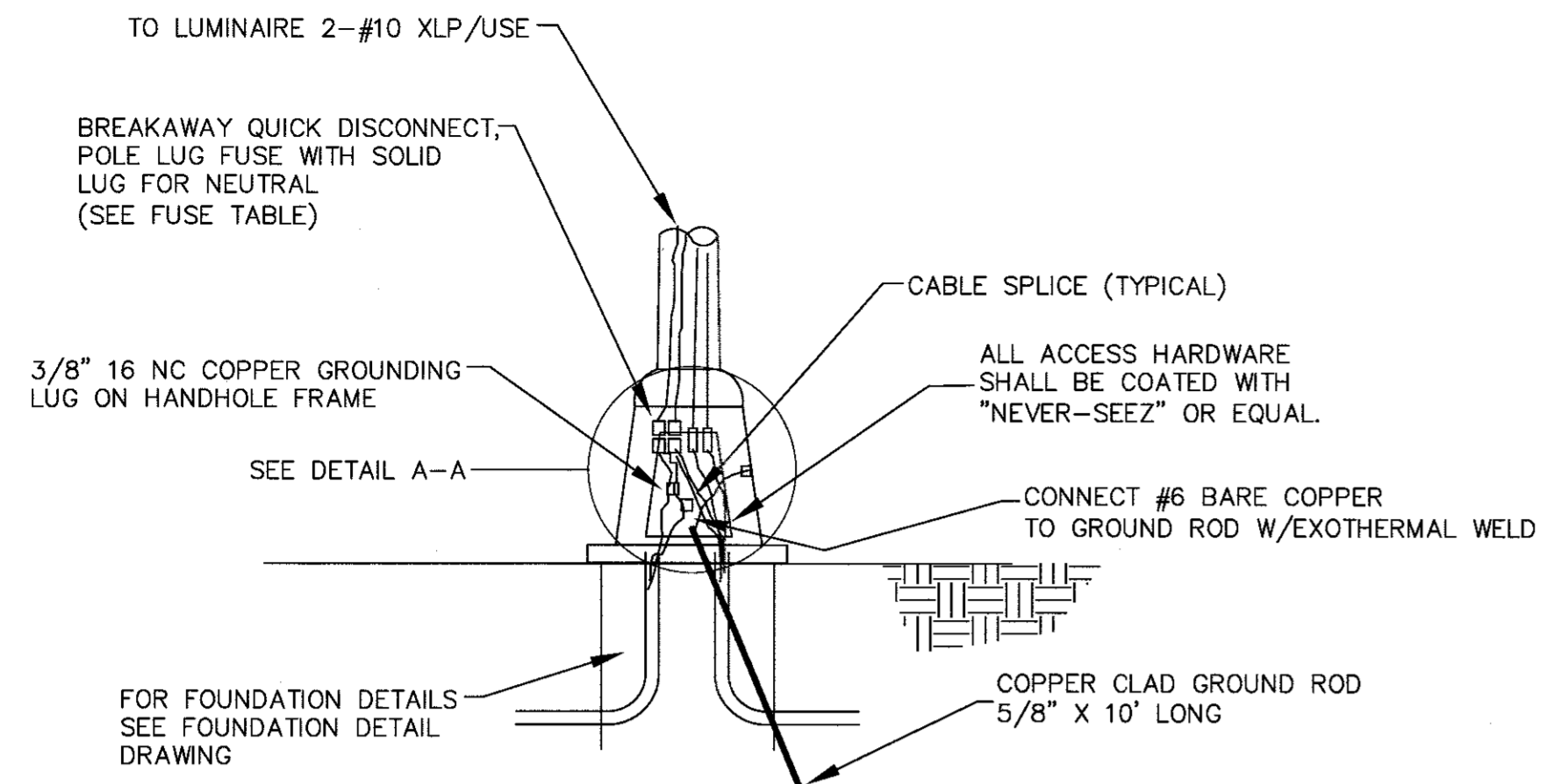
ONE LINE DIAGRAM

SCALE: 1"=80'      SHEET NO. 2 OF 2 SHEETS      STA. 175+00 TO STA. 194+00

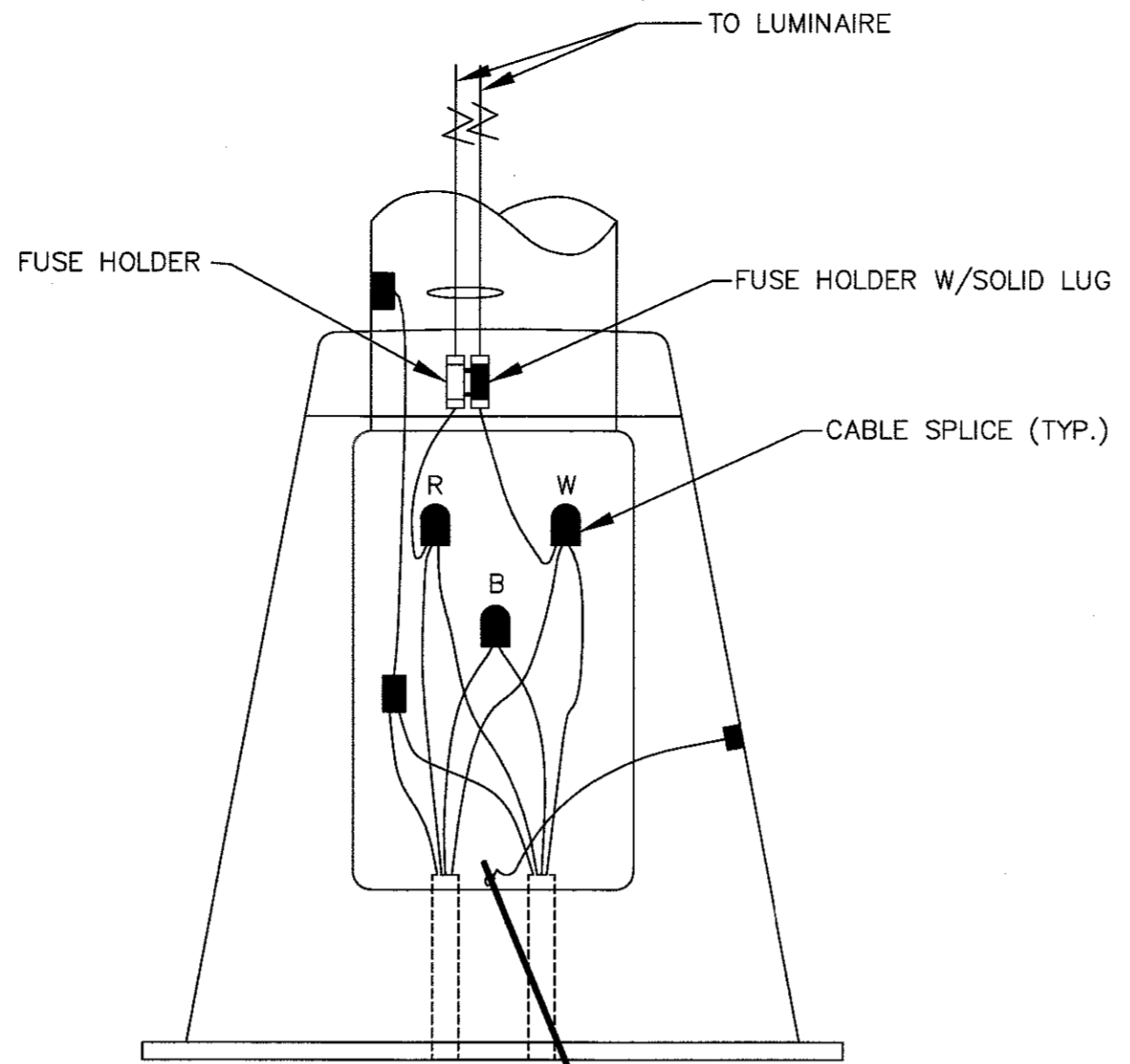
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	II-00033-00-LS	DuPage	64	44
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
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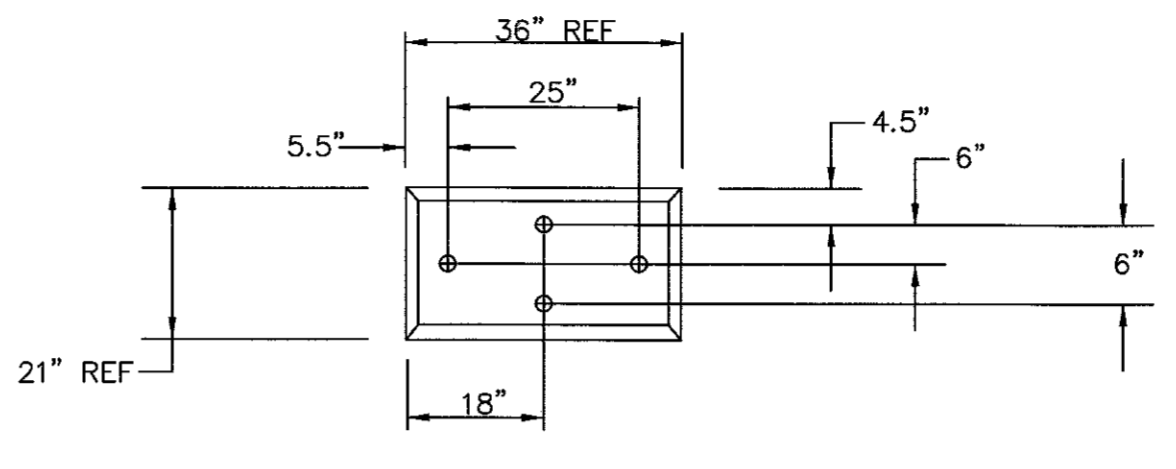
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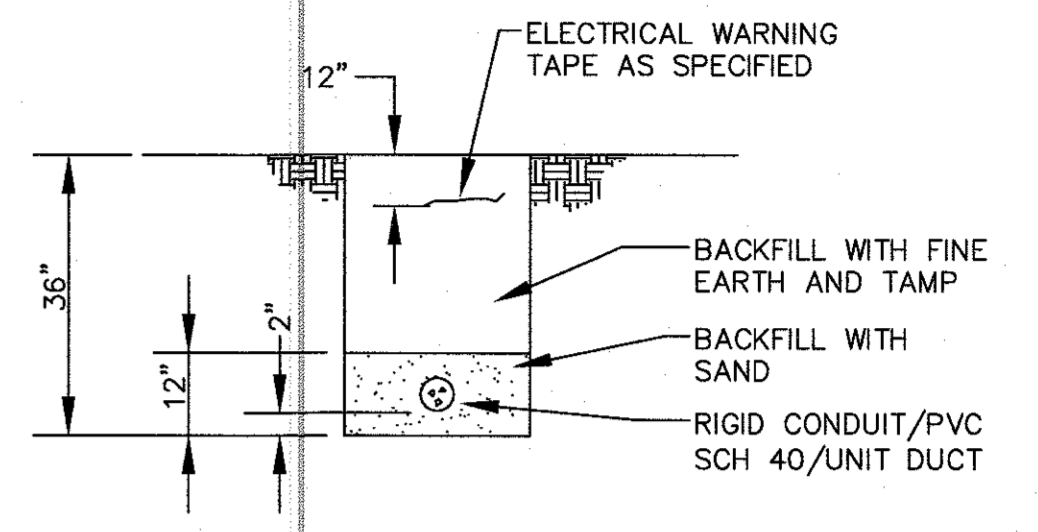
**DECORATIVE LIGHT POLE WIRING DETAIL**  
NO SCALE



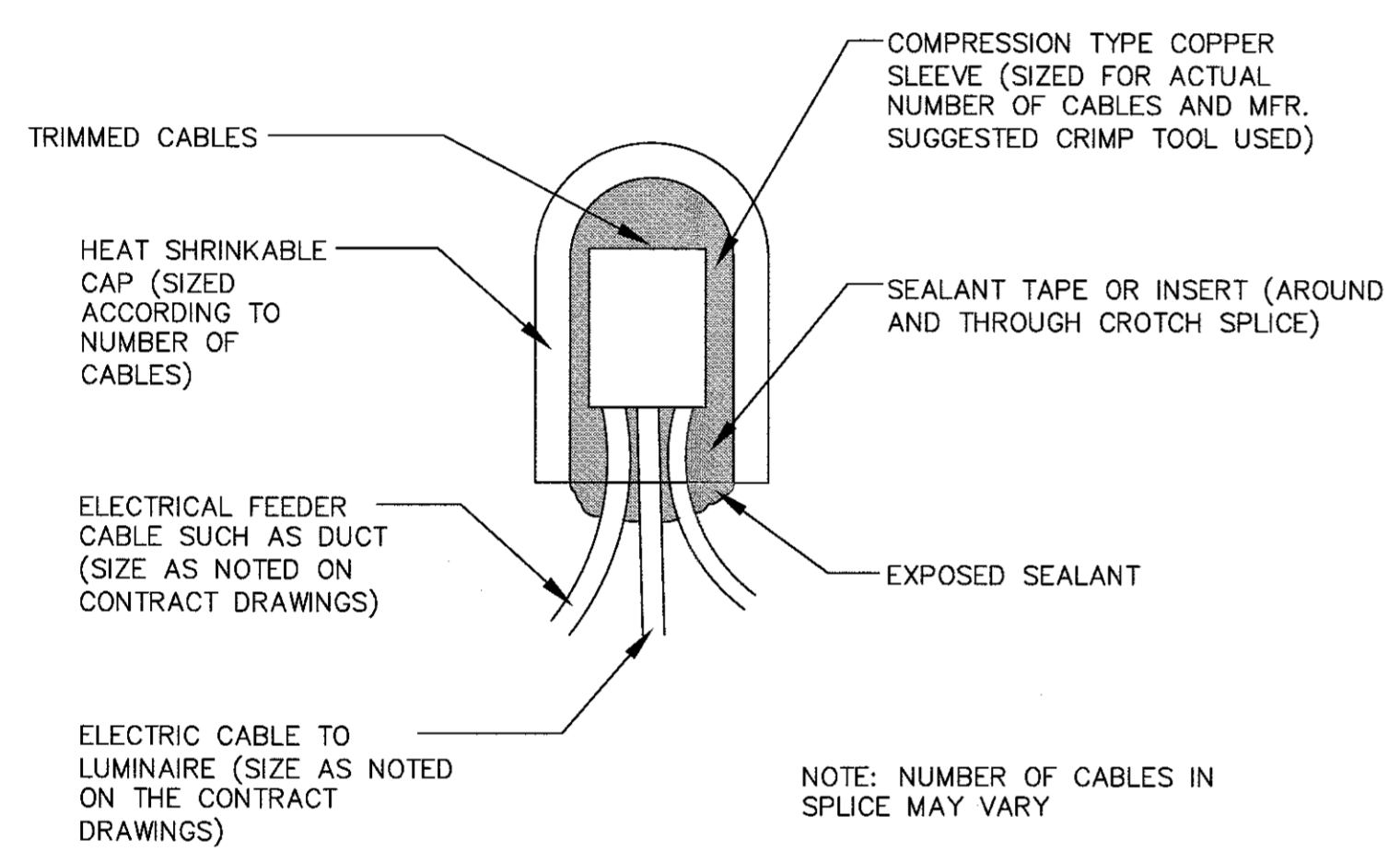
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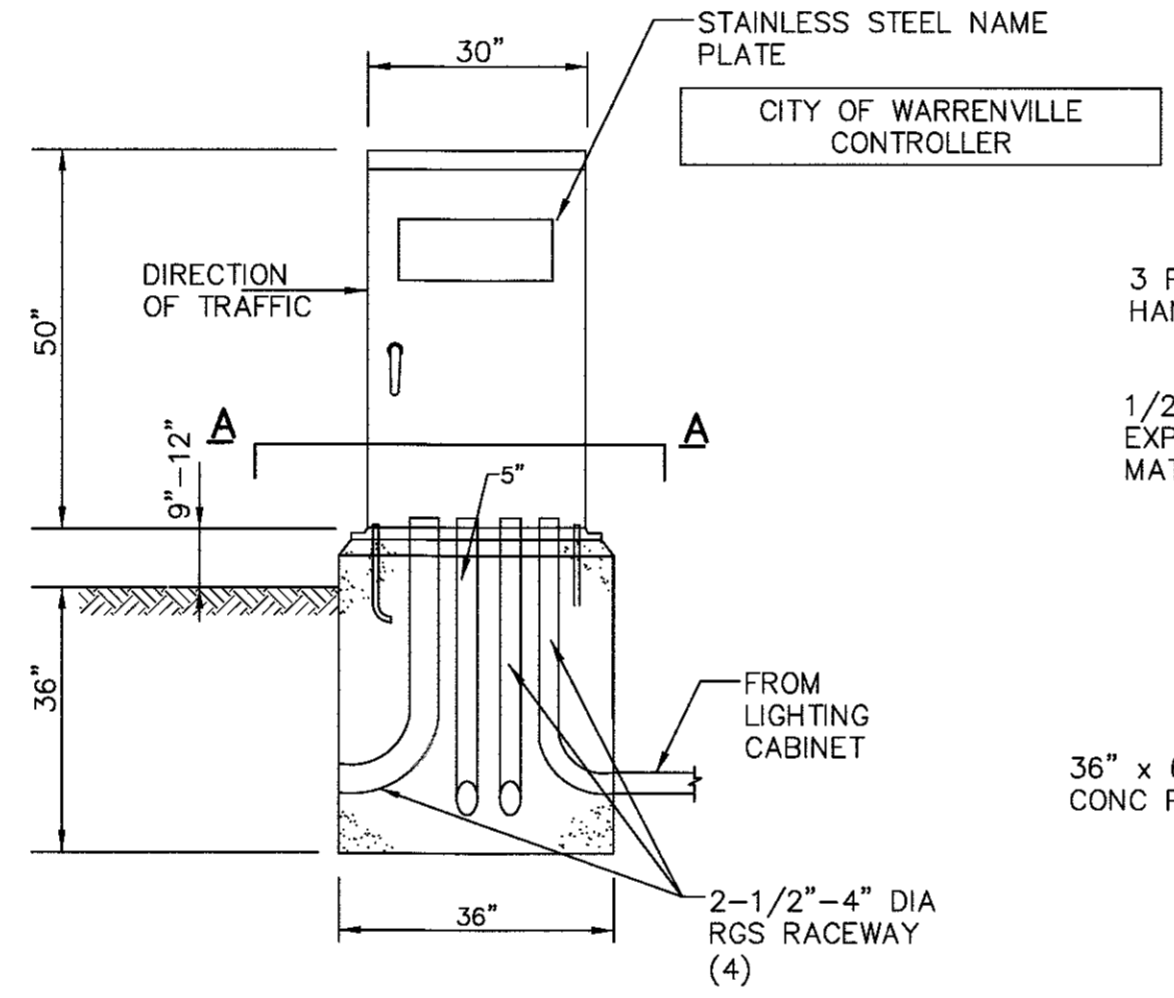
**VIEW A-A**



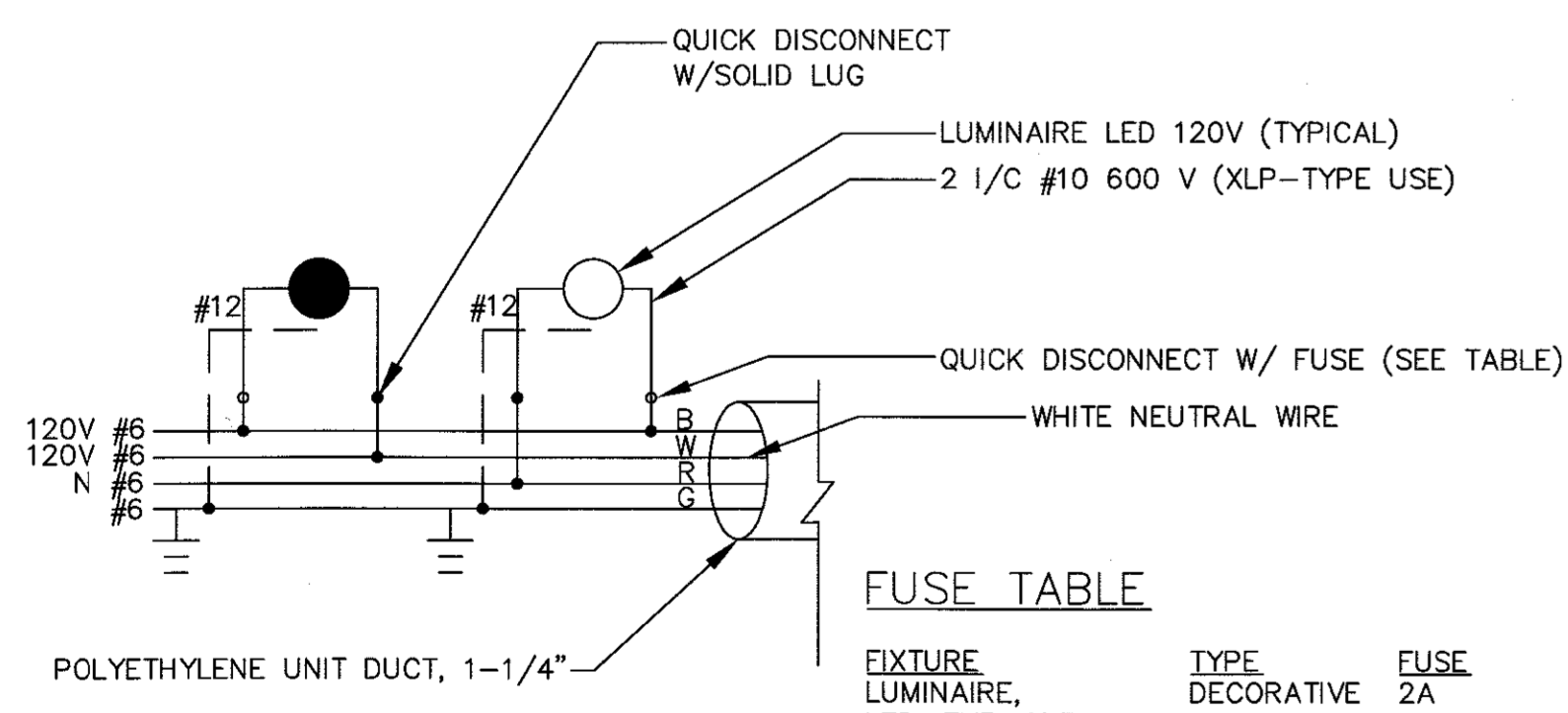
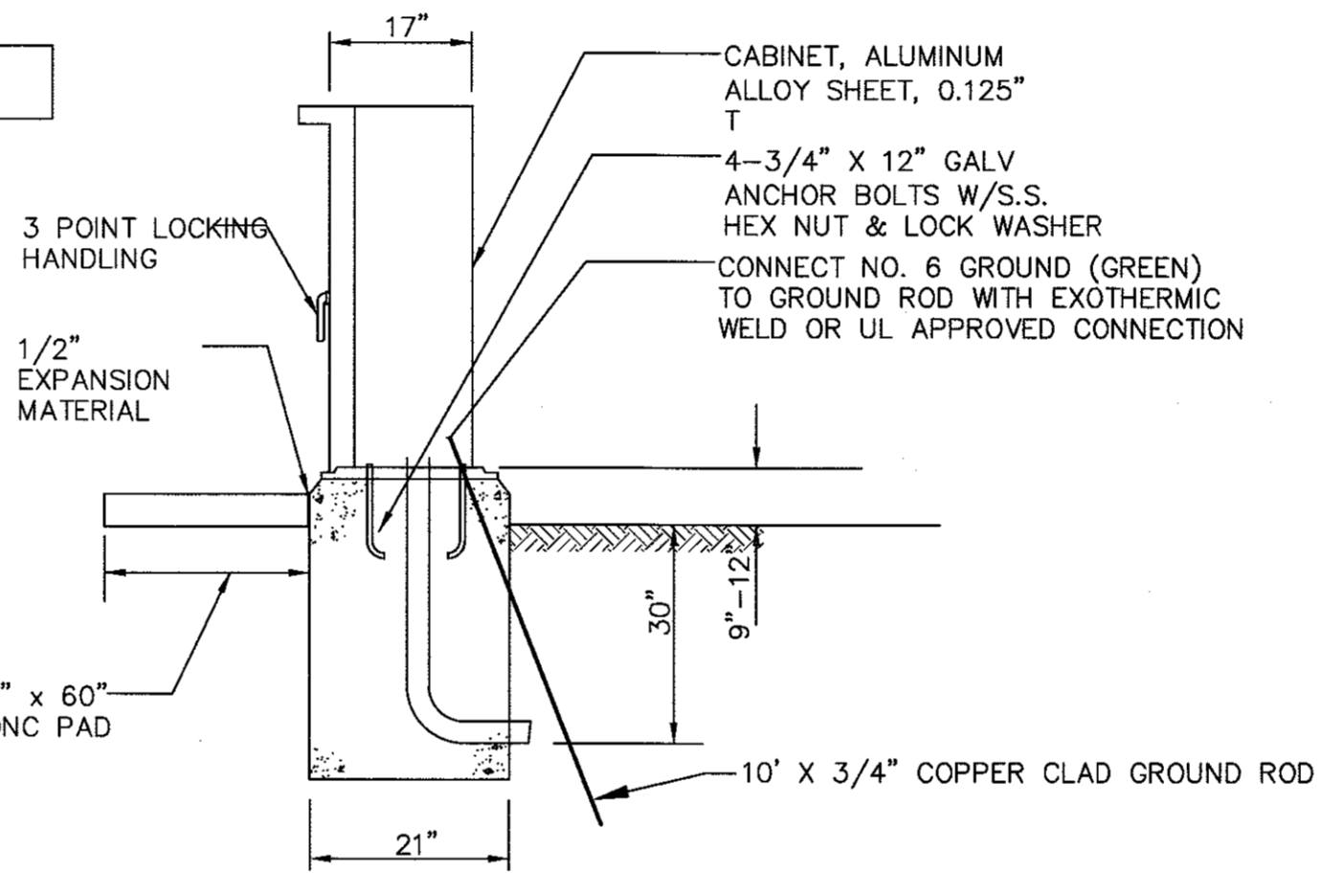
**TRENCH BACKFILL FOR STREETLIGHTING DETAIL**  
NO SCALE



**ABOVE GROUND SPLICING ELECTRIC CABLE**  
NO SCALE



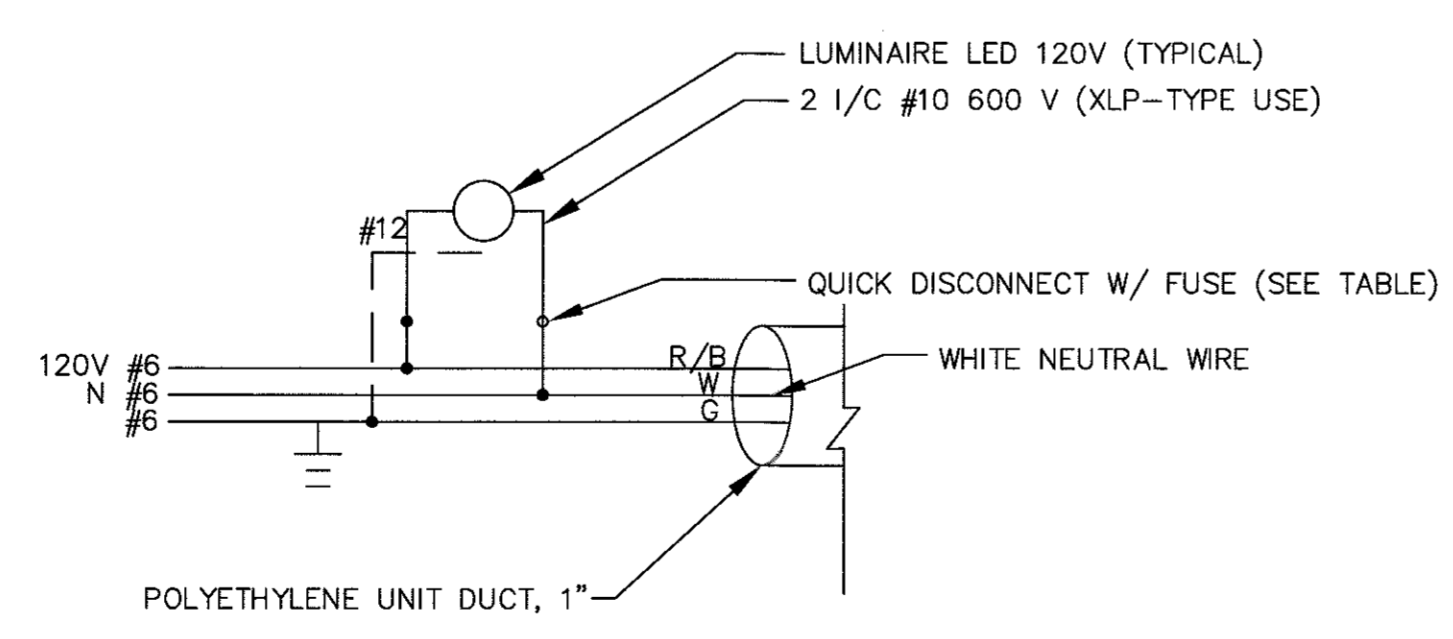
**CABINET & FOUNDATION DETAIL**  
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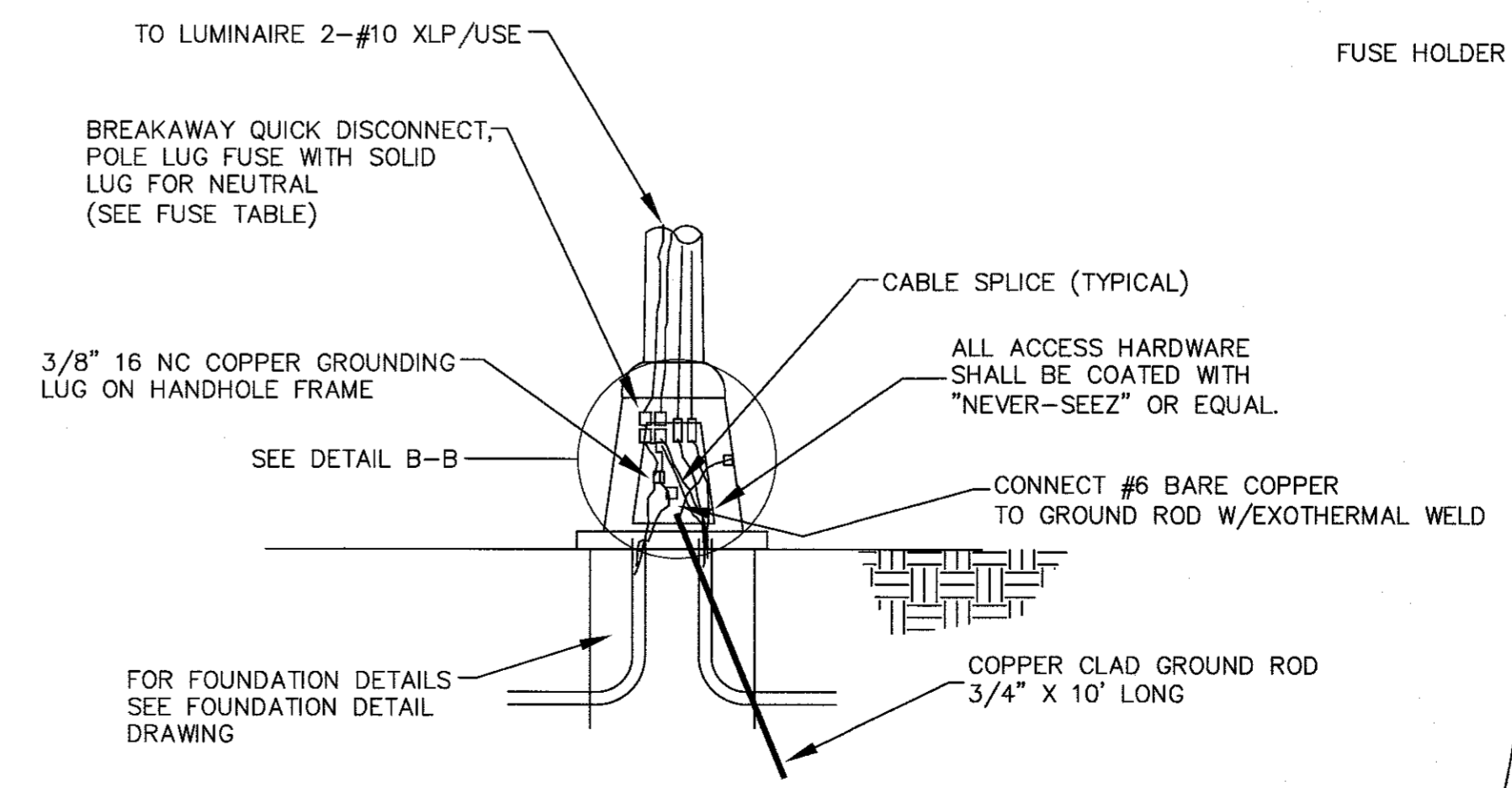
**FUSE TABLE**

FIXTURE	TYPE	FUSE
LUMINAIRE, LED, TY3, SPECIAL	DECORATIVE	2A
LUMINAIRE, LED, HOR. MOUNT, MEDIUM WATTAGE	BEACON	2A
LUMINAIRE, LED, HOR. MOUNT, HIGH WATTAGE	ROADWAY	3A

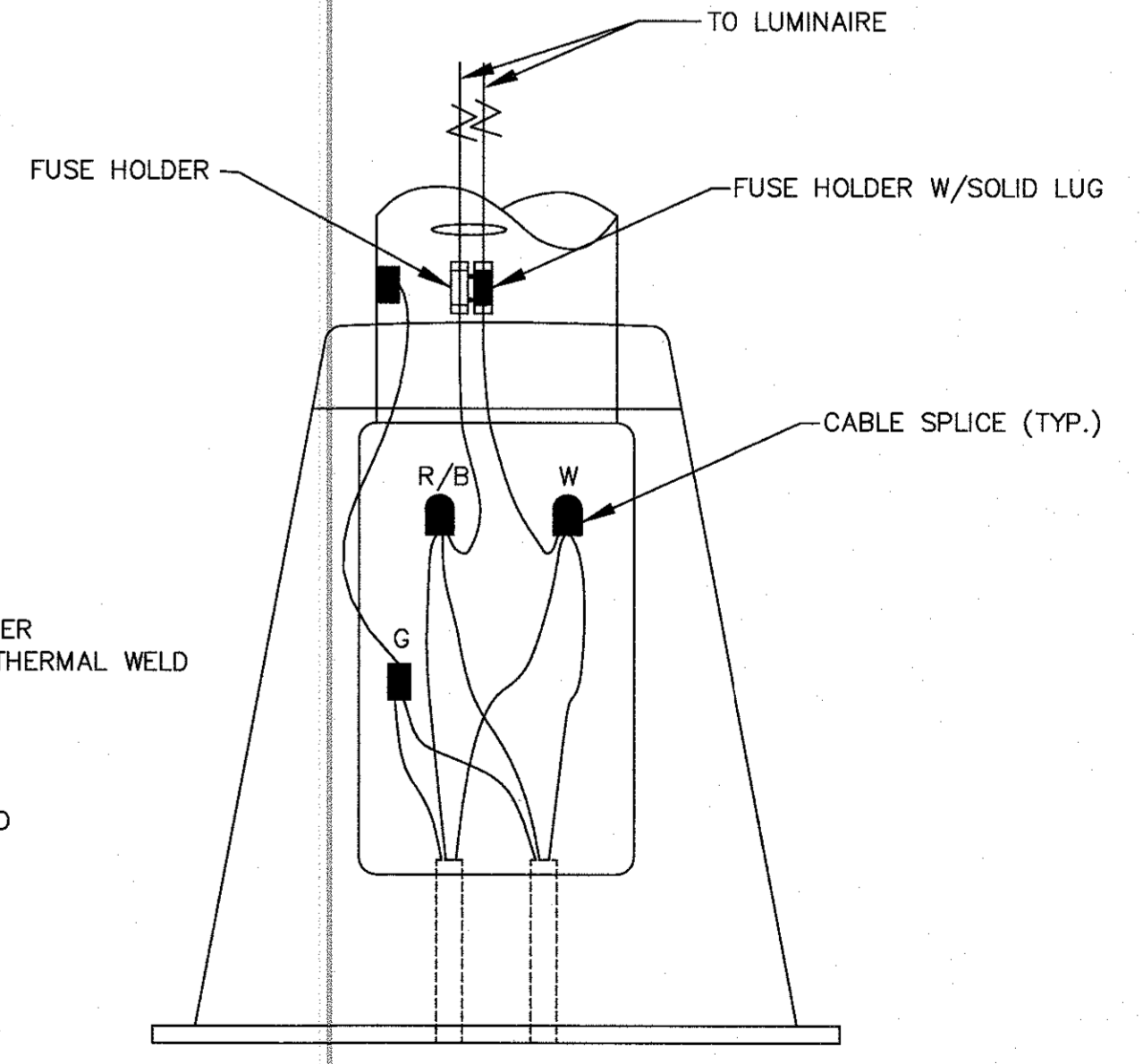
**UNIT DUCT ① LIGHT POLE WIRING**



**UNIT DUCT ② LIGHT POLE WIRING**



**ROADWAY LIGHT POLE, 45 FT AND 30 FT WIRING DETAIL**  
NO SCALE



**DETAIL B-B**  
NO SCALE

FILE NAME: H:\Warrenville\140416 ED Butlerfield Road Lighting and Beautification ITP\CADD\140416 ED Details.dwg



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DESIGNED - CF	CHECKED - JM	REVISED - ---
DATE - 05-05-2017	DATE - 05-05-2017	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

SCALE: N.T.S. SHEET NO. 1 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	II-00033-00-LS	DuPage	64	45
CONTRACT NO. 6ID93				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				





PLAN	SURVISED	DATE
NOTE BOOK	NO. _____	
NO.		
BY		
DATE		

PROFILE	SURVISED	DATE
NOTE BOOK	NO. _____	
NO.		
BY		
DATE		

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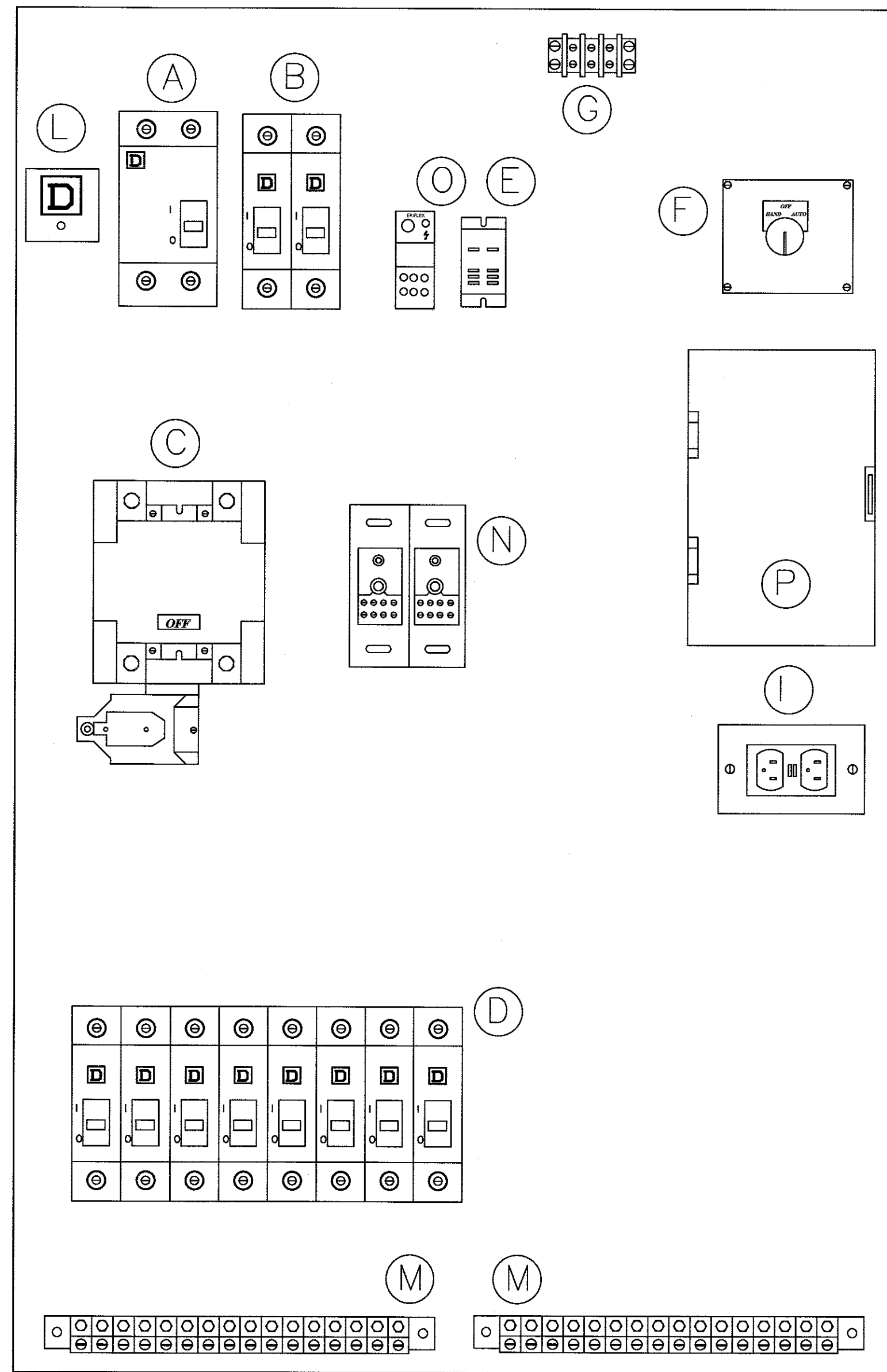
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

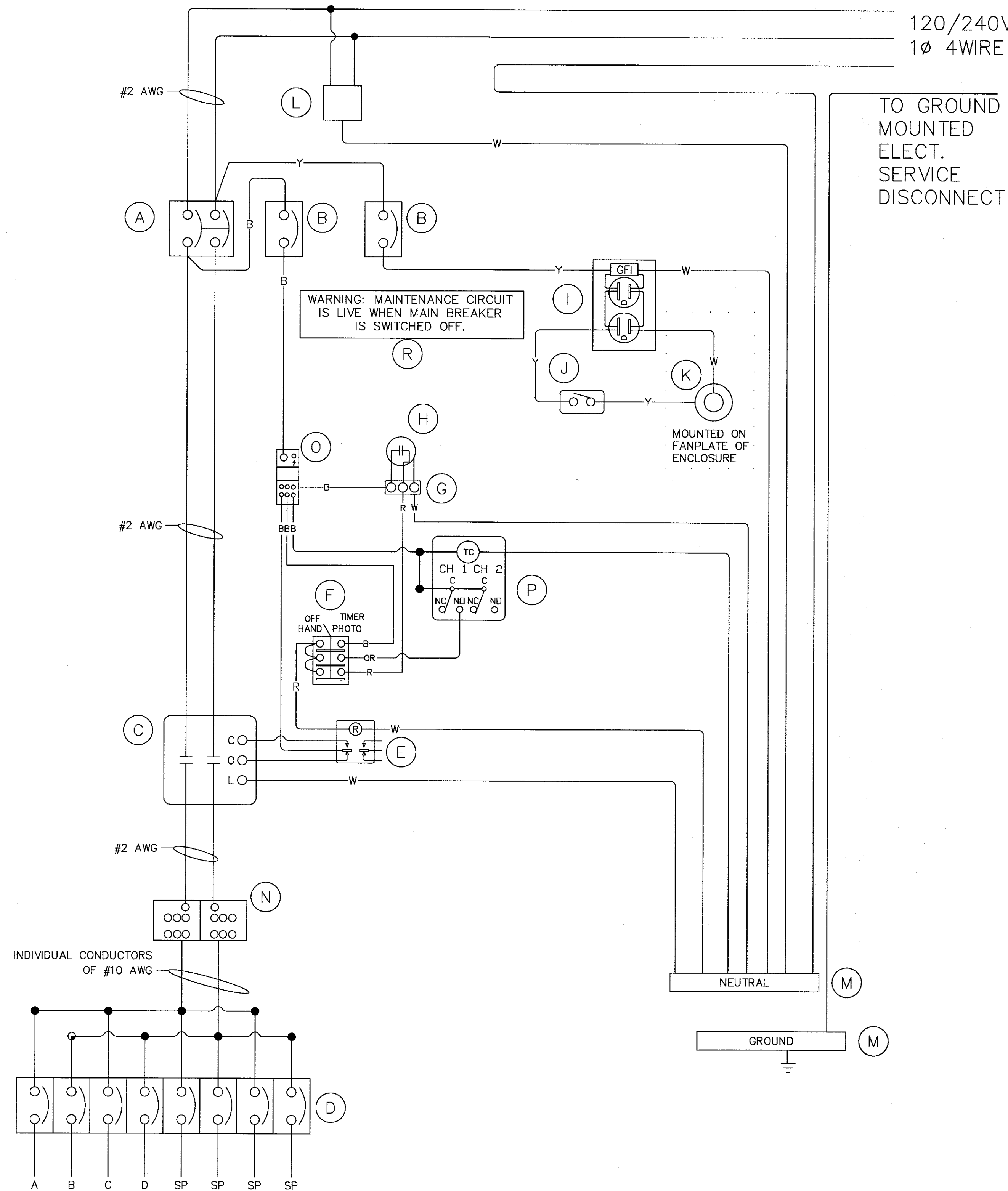
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	Il-00033-00-LS	DuPage	64	47
CONTRACT NO.			6ID93	
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

ITEM (H) TO BE MOUNTED IN OVERHANG OF ENCLOSURE  
ITEM (J) TO BE MOUNTED ON DOOR SWITCH BRACKET  
ITEM (K) TO BE MOUNTED ON FAN PLATE AT TOP OF CABINET



BACK PANEL TO BE MOUNTED IN APX 50" X 30" X 17" ALUMINUM NEMA 3R ENCLOSURE W/ SATIN BLACK POWDER COAT FINISH



BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
A	1	2P/100A MAIN BREAKER
B	2	1P/15A CONTROL/AUX BREAKER
C	1	2P/100A MECH. CONTACTOR
D	8	1P/20A BRANCH BREAKERS
E	1	120V COIL RELAY
F	1	H.O.T.P. SWITCH
G	1	3PT TERMINAL BLOCK
H	1	120V PHOTOCELL
I	1	GFCI RECPT.
J	1	DOOR SWITCH
K	1	LED STRIP LIGHT
L	1	SURGE ARRESTER
M	2	12" x 1" x 1/4" GROUND/NEUTRAL BUS
N	1	DIST. BLOCK
O	1	125A DIST. BLOCK
P	1	PROGRAMMABLE TIME CLOCK
R	1	ENGRAVED WARNING PLATE

- NOTES:
- ALL POWER WIRING WILL BE RHH/RHW
  - ALL CONTROL WIRING WILL BE #12 MTW
  - WIRE COLORS:  
BL = BLUE  
W = WHITE  
B = BLACK  
R = RED  
Y = YELLOW  
G = GREEN
  - ENTIRE CABINET SHALL BE U.L. LISTED

WEST LIGHTING CONTROLLER DETAIL  
STA. 156+23 - WILLIAMS RD. AND IL ROUTE 56 (BUTTERFIELD RD.)  
N.T.S.



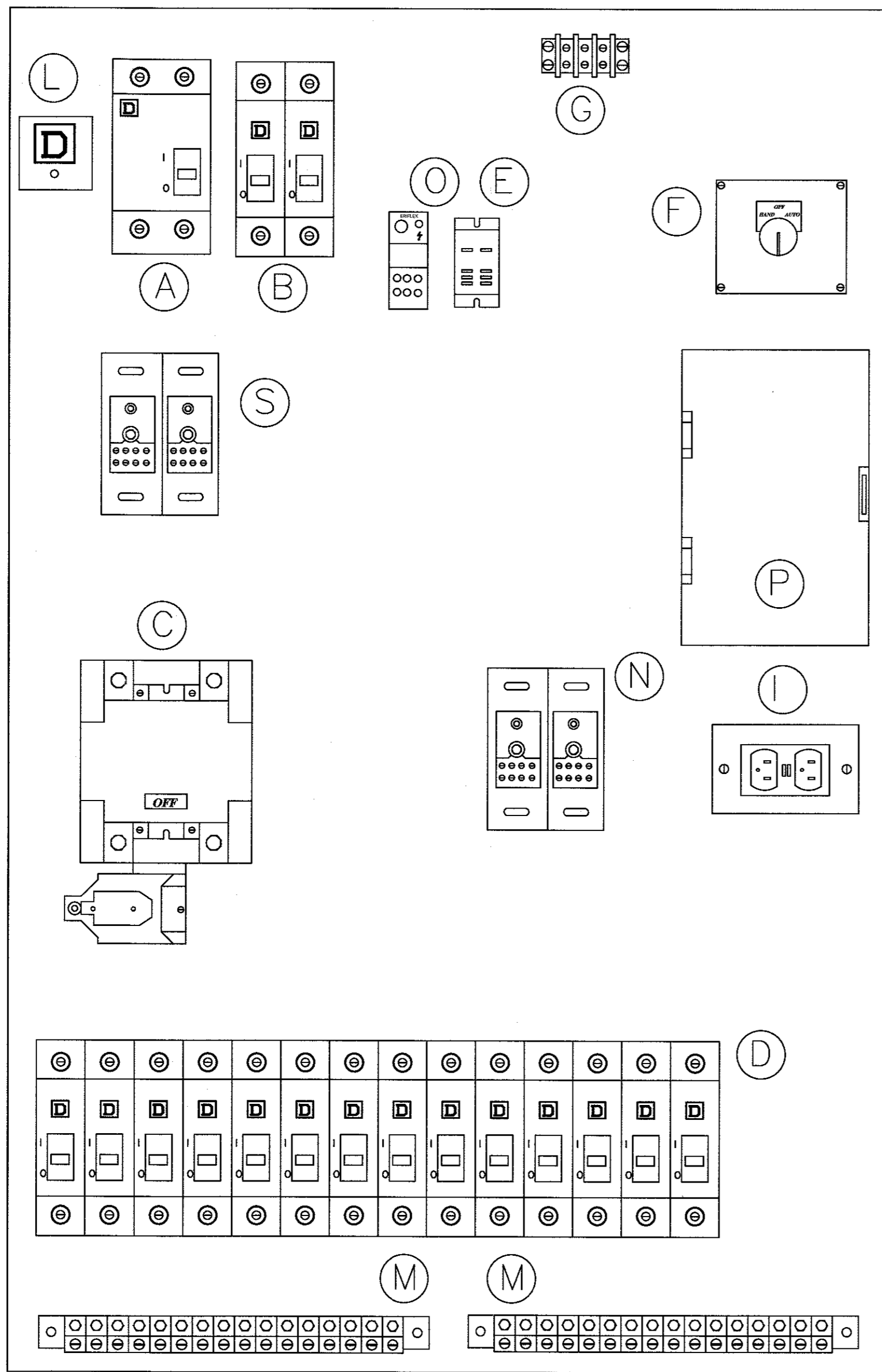
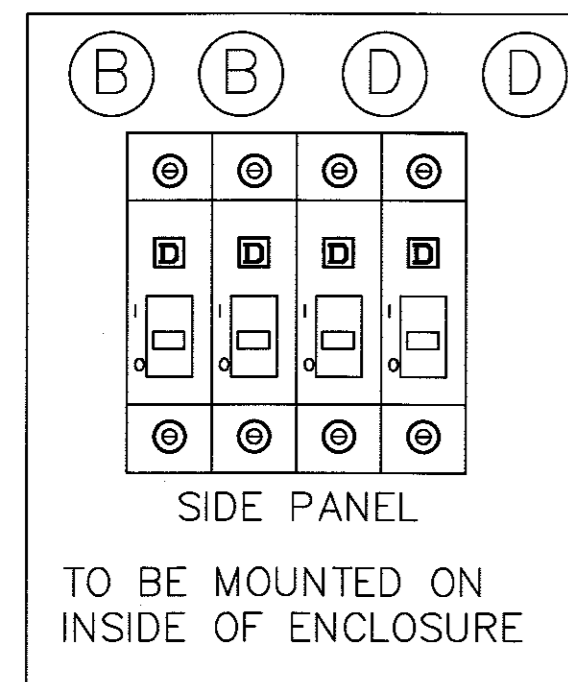
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NOTE BOOK	PLANNED	
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PROFILE	SURVEYED	DATE
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	DATE	

FILE NAME: H:\Work\Illinois\40416\FD Butterfield Road Lighting and Requalification ITEP\CADD\140416\FD\_Details.dwg

ITEM (H) TO BE MOUNTED IN OVERHANG OF ENCLOSURE  
 ITEM (J) TO BE MOUNTED ON DOOR SWITCH BRACKET  
 ITEM (K) TO BE MOUNTED ON FAN PLATE AT TOP OF CABINET

BACK PANEL TO BE MOUNTED IN APX 50" X 30" X 17" ALUMINUM NEMA 3R ENCLOSURE W/ SATIN BLACK POWDER COAT FINISH



**BILL OF MATERIALS**

ITEM	QTY	DESCRIPTION
A	1	2P/100A MAIN BREAKER
B	4	1P/15A BREAKER
C	1	2P/100A MECH. CONTACTOR
D	14	1P/20A BRANCH BREAKERS
E	1	120V COIL RELAY
F	1	H.O.T.P SWITCH
G	1	3PT TERMINAL BLOCK
H	1	120V PHOTOCELL
I	1	GFCI RECP.
J	1	DOOR SWITCH
K	1	LED STRIP LIGHT
L	1	SURGE ARRESTER
M	2	12" x 1" x 1/4" GROUND/NEUTRAL BUS
N	1	DIST. BLOCK
O	1	125A DIST. BLOCK
P	1	PROGRAMABLE TIME CLOCK
R	1	ENGRAVED WARNING PLATE
S	1	DIST. BLOCK



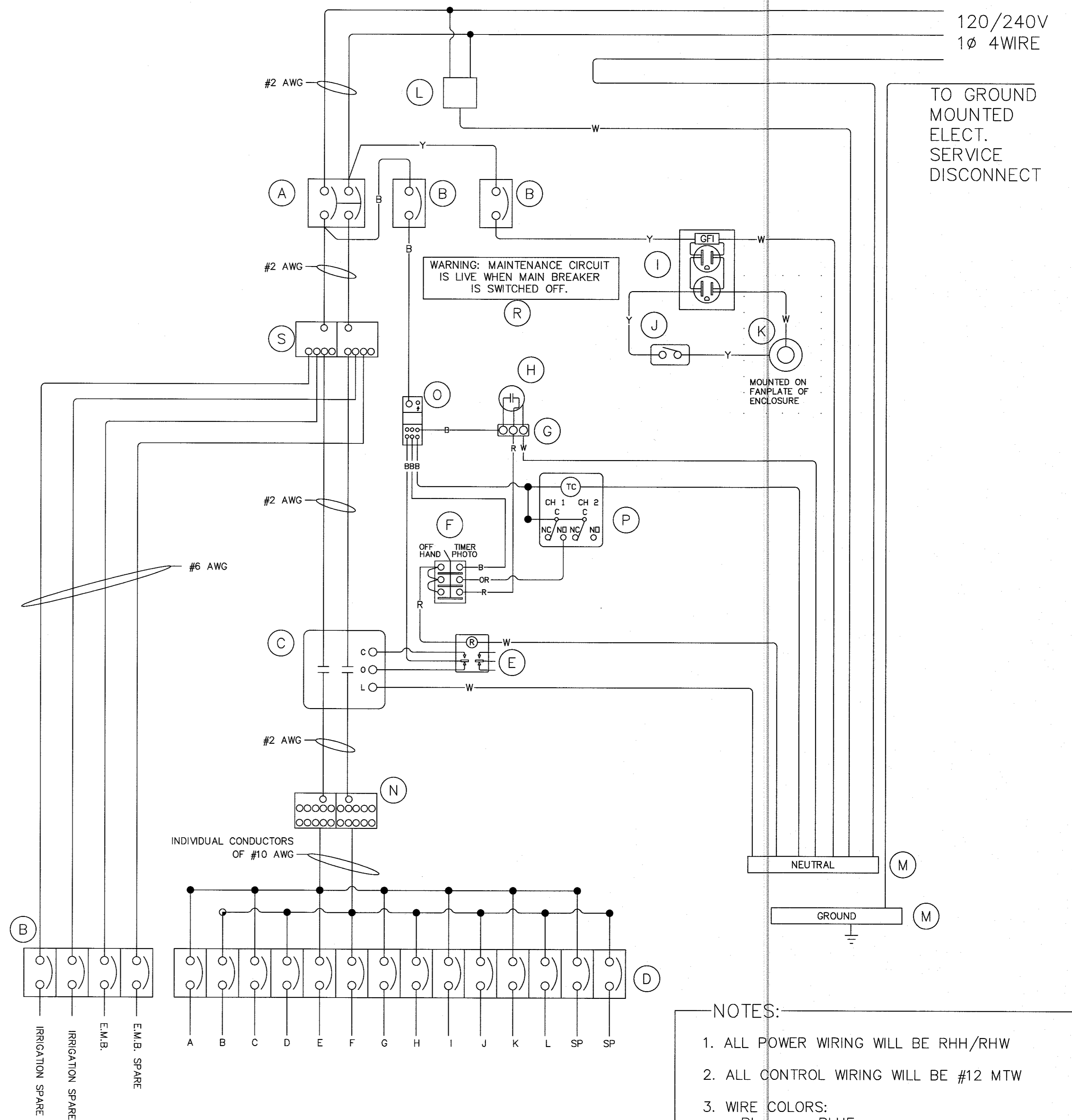
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	DATE - 05-08-2017	REVISED - ---

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

SCALE: N.T.S. SHEET NO. 4 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	II-00033-00-LS	DuPage	64	48
CONTRACT NO.			6ID93	
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



**EAST LIGHTING CONTROLLER DETAIL**  
 STA. 184+82 - BATAVIA RD. AND IL ROUTE 56 (BUTTERFIELD RD.)  
 N.T.S.

- NOTES:
- ALL POWER WIRING WILL BE RHH/RHW
  - ALL CONTROL WIRING WILL BE #12 MTW
  - WIRE COLORS:  
 BL = BLUE  
 W = WHITE  
 B = BLACK  
 R = RED  
 Y = YELLOW  
 G = GREEN
  - ENTIRE CABINET SHALL BE U.L. LISTED







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

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED BY		
	CHECKED BY		
	DATE		
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FILE NAME: H:\Warrens\114314\FD Buttenfield Road Lighting and Resurfacing 11EP\CADD\14314\FD Details.dwg



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

SCALE: N.T.S. SHEET NO. 7 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	II-00033-00-LS	DuPage	64	51
CONTRACT NO. 61D93				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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NOTE BOOK NO.			

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NOTE BOOK NO.			

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

SCALE: N.T.S. SHEET NO. 8 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	II-00033-00-LS	DuPage	64	52
CONTRACT NO. 6ID93				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

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NOTE BOOK NO.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
	POD FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS		
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS

SCALE: N.T.S. SHEET NO. 9 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	II-00033-00-LS		64	53
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 6ID93	

**GENERAL NOTES**

1. Concrete shall be class "SI". Concrete foundation must be cured for (10) ten days before CMU blocks can be installed.
2. Precast attachments shall be drilled and grouted into grouted CMU block wall. Minimum of 4 per panel.
3. CMU wall shall conform to the following materials:  
 CMU Block: ASTM C90, Normal Weight - Type I  
 Mortar: ASTM C270 Type S  
 Grout: ASTM C476  
 Joint Reinforcement: ASTM A82, Truss or Ladder Type
4. All cells with vertical reinforcement shall be grouted solid.
5. All masonry walls shall have horizontal joint reinforcement at 16" OC
6. Min. Splice Length for all vertical reinforcement shall be 48 bar diameters.
7. The min. compressive strength of masonry (F'm) shall be 1,900 psi.
8. All corners shall be interlocked with metal ties, anchors, or joint reinforcement.
9. All masonry units shall be placed with full faceshell mortar coverage on horizontal and vertical face shells. Webs shall also have full mortar coverage around all grouted cells.
10. Calcium chloride shall not be used in mortar or grout.
12. Foundation shall have a min. qu = 1.5 tsf.

**INDEX OF SHEETS**

- S1 General Data
- S2 Gateway Monument Sign Details
- S3 Minor Sign Details
- S4 Masonry Column, Large Sign Details I
- S5 Masonry Column, Large Sign Details II
- S6 Soil Boring Logs I
- S7 Soil Boring Logs II
- S8 Soil Boring Logs III
- S9 Soil Boring Logs IV
- S10 Soil Boring Logs V

**TOTAL BILL OF MATERIAL**

Item	Unit	Quantity
Gateway Monument Sign Complete	Each	1
Minor Sign Complete	Each	2
Masonry Column, Large	Each	4

**GATEWAY MONUMENT SIGN LAYOUT**

Sign Location	Point #1		Point #2		Point #3		Point #4		Elevation B/ Footing
	Station	Offset	Station	Offset	Station	Offset	Station	Offset	
Gateway Monument Sign Complete	187+29.62	122.20' Rt.	187+9.09	118.66' Rt.	187+10.22	112.09' Rt.	187+30.75	115.63' Rt.	704.50

Stations and Offsets are taken from  $\phi$  of Illinois Route 56 (Butterfield Road) with the exception of Minor Sign Complete, #2 which is taken from Windfield Road (See Sheet S2 for Point Locations)

**MINOR SIGN LAYOUT**

Sign Location	Point #1		Point #2		Point #3		Point #4		Elevation B/ Footing
	Station	Offset	Station	Offset	Station	Offset	Station	Offset	
Minor Sign Complete, #1	98+57.77	76.32' Rt.	98+47.77	87.32' Rt.	98+43.79	83.75' Rt.	98+53.79	72.74' Rt.	724.80
Minor Sign Complete, #2	715+08.90	54.3' Lt.	715+16.35	67.14' Lt.	715+20.96	64.46' Lt.	715+13.52	51.63' Lt.	725.00

(See Sheet S3 for Point Locations)

**MASONRY COLUMN, LARGE LAYOUT**

Column/ Location	$\phi$ Shaft Location		Shaft Size		Elevations		
	Northing	Easting	Diameter	Length	T/ Cap	T/ Shaft	B/ Shaft
Column #1 - NW corner	190+75.39	69.77' Lt.	3'-6"	15'-0"	704.50	701.00	686.00
Column #2 - NE corner	193+28.03	70.45' Lt.	3'-6"	15'-0"	702.50	699.00	684.00
Column #3 - SW corner	191+56.56	56.04' Rt.	3'-6"	15'-0"	705.00	701.50	686.50
Column #4 - SE corner	193+78.67	59.86' Rt.	3'-6"	15'-0"	703.50	700.00	685.00

(See Sheet S4 for Point Locations)

**DESIGN SPECIFICATIONS**

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 Interims

**DESIGN STRESSES**

**FIELD UNITS**

f'c = 3,500 psi  
 fy = 60,000 psi (Reinforcement)  
 Masonry (See General Notes)

**LOADING**

Live Load Surcharge = 250 psf  
 Equivalent Earth Pressure = 45 psf

**ENGINEERING RESOURCE ASSOCIATES**  
 35701 WEST AVENUE, SUITE 150  
 WARRENVILLE, ILLINOIS 60555  
 PHONE (630) 393-3060  
 FAX (630) 393-2152

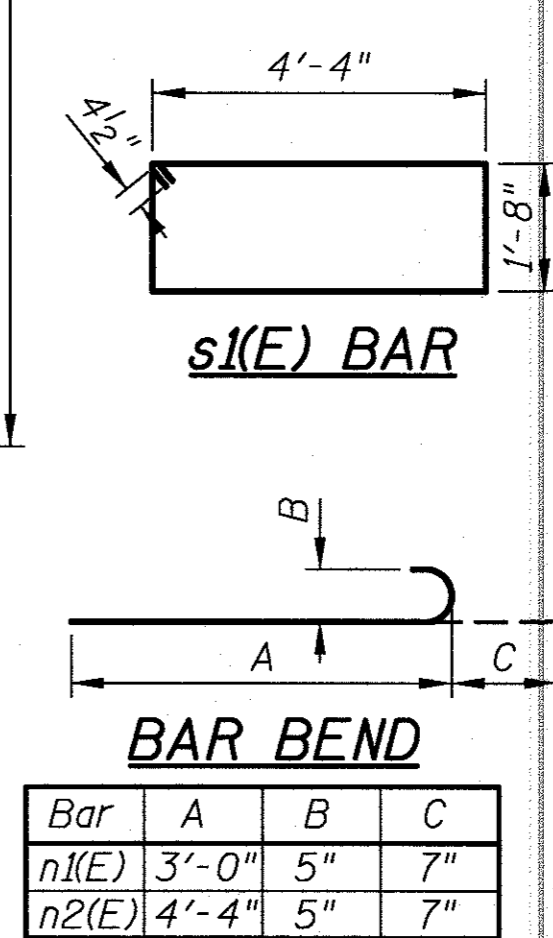
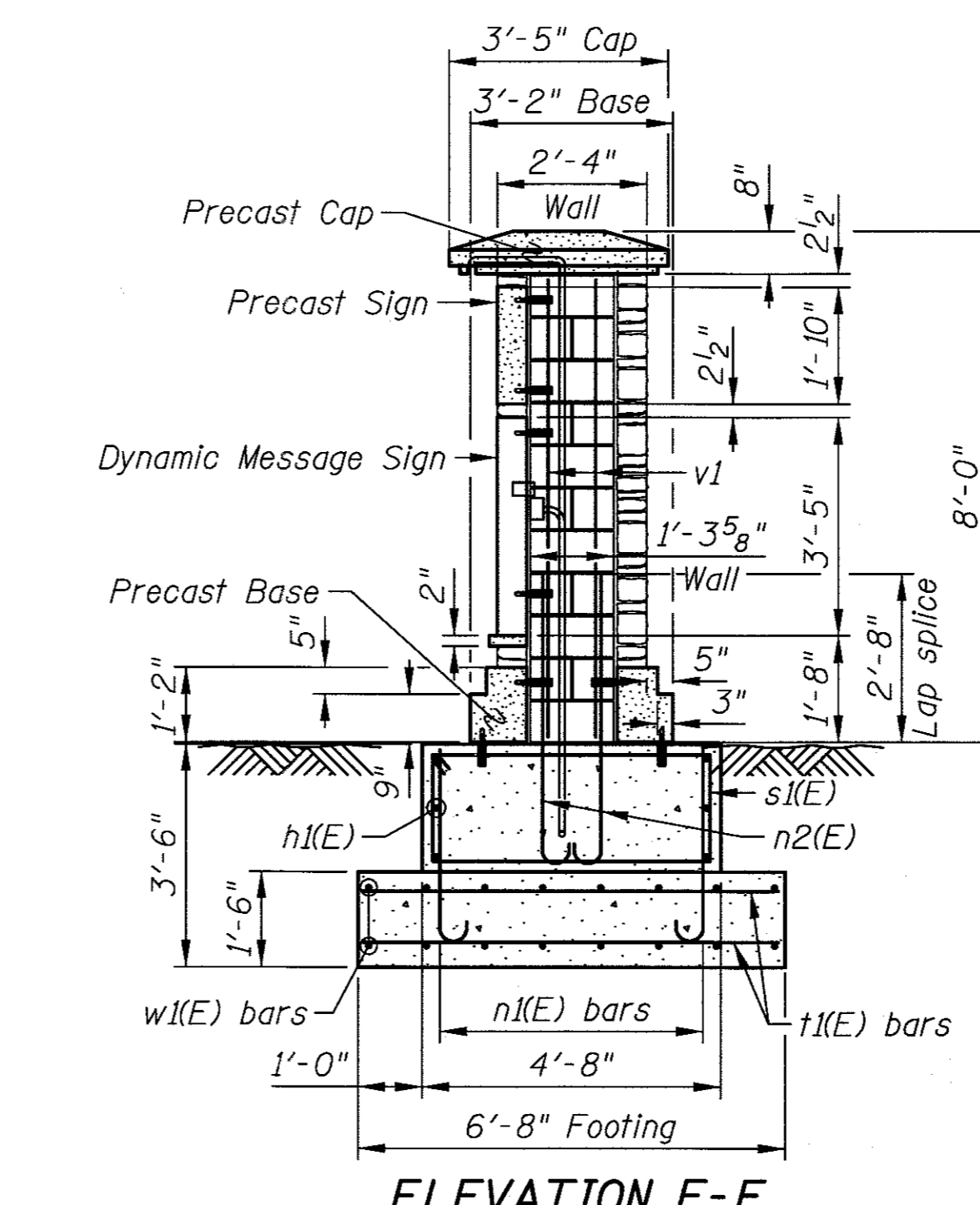
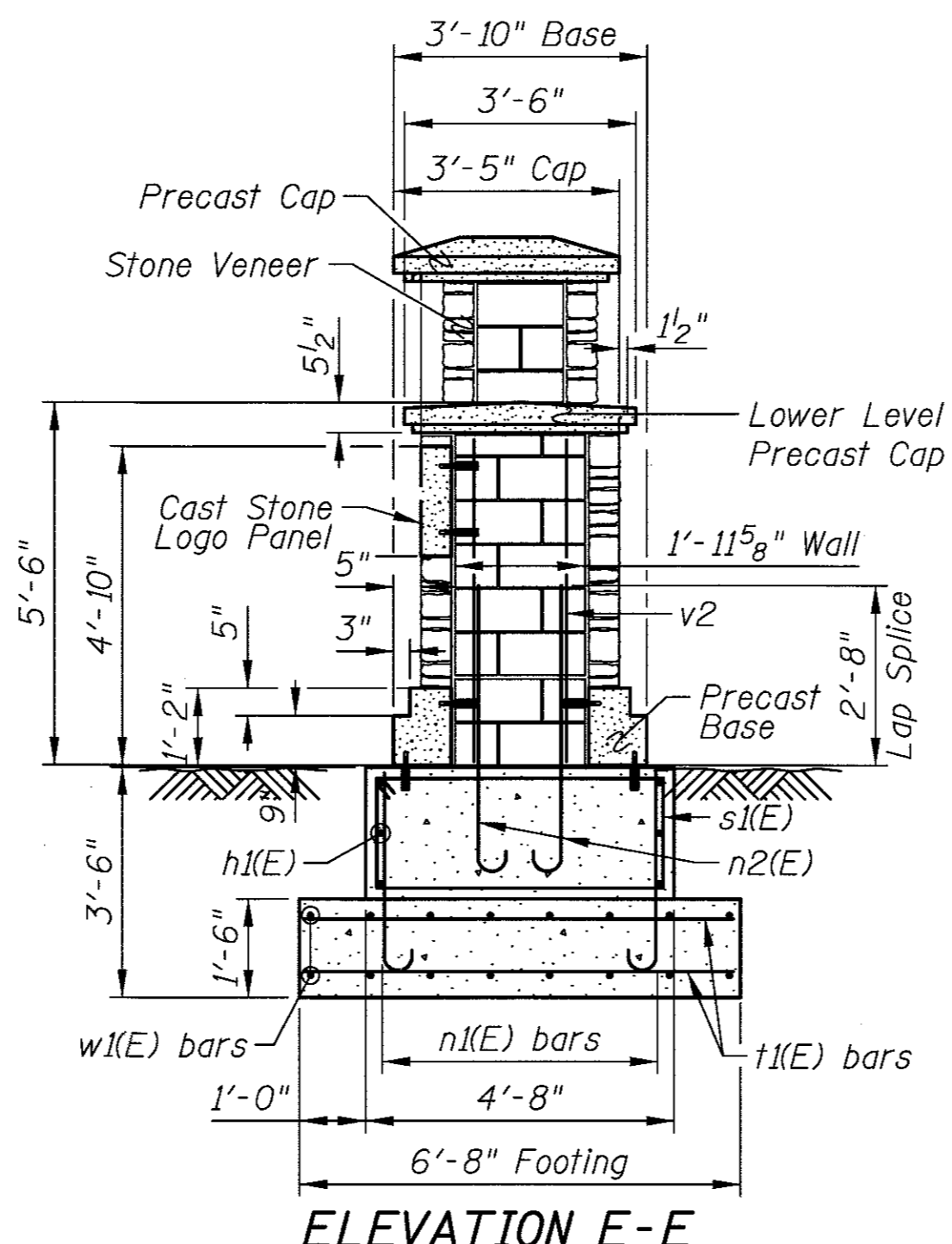
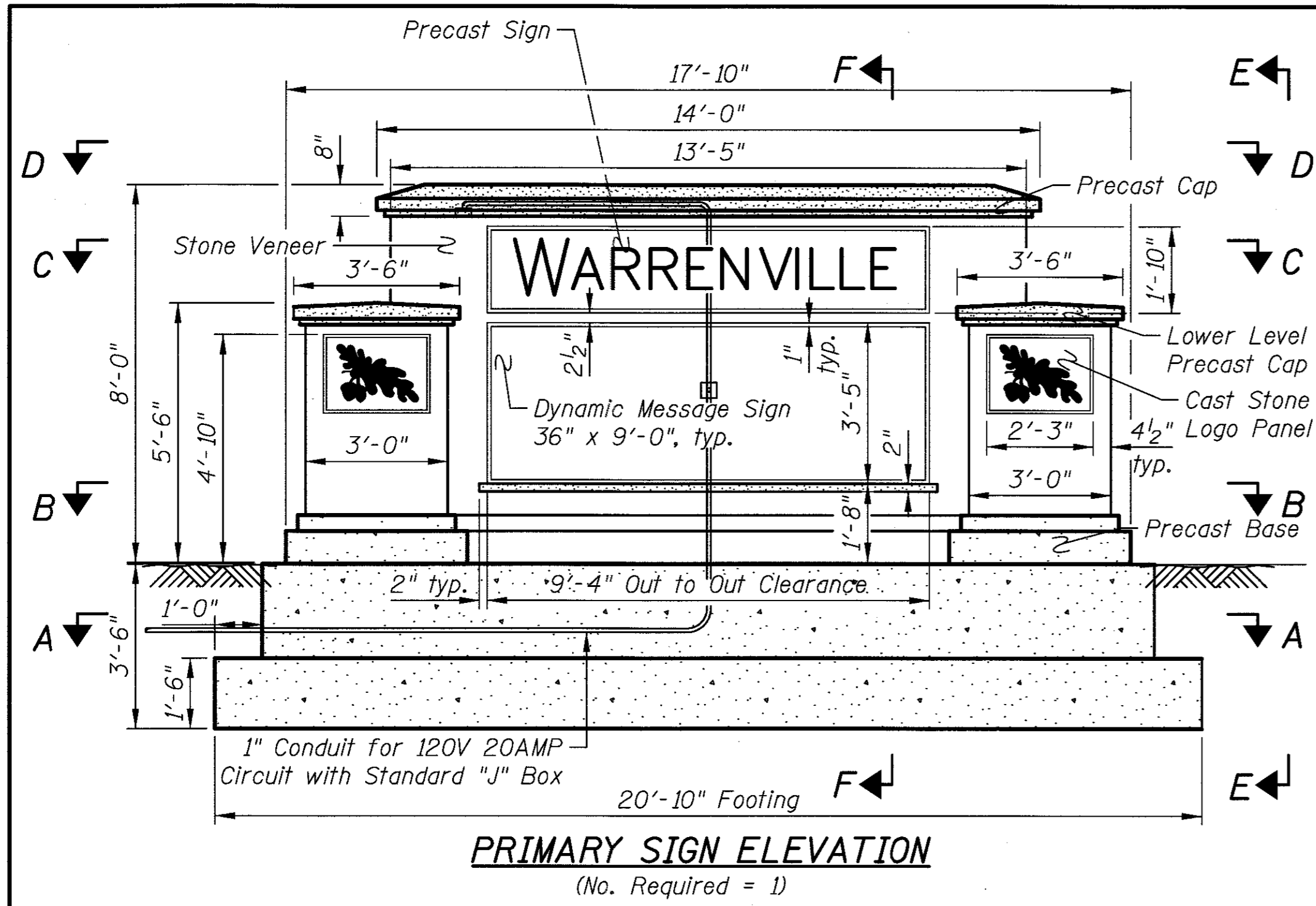
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DESIGNED - C. SEDLACKO	REVISED -
CHECKED - M. LANGE	REVISED -
DATE - MAY 8TH, 2017	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA  
 BUTTERFIELD ROAD; LIGHTING & BEAUTIFICATION ITEP  
 CITY OF WARRENVILLE**  
 SHEET NO. S1 OF S10 SHEETS

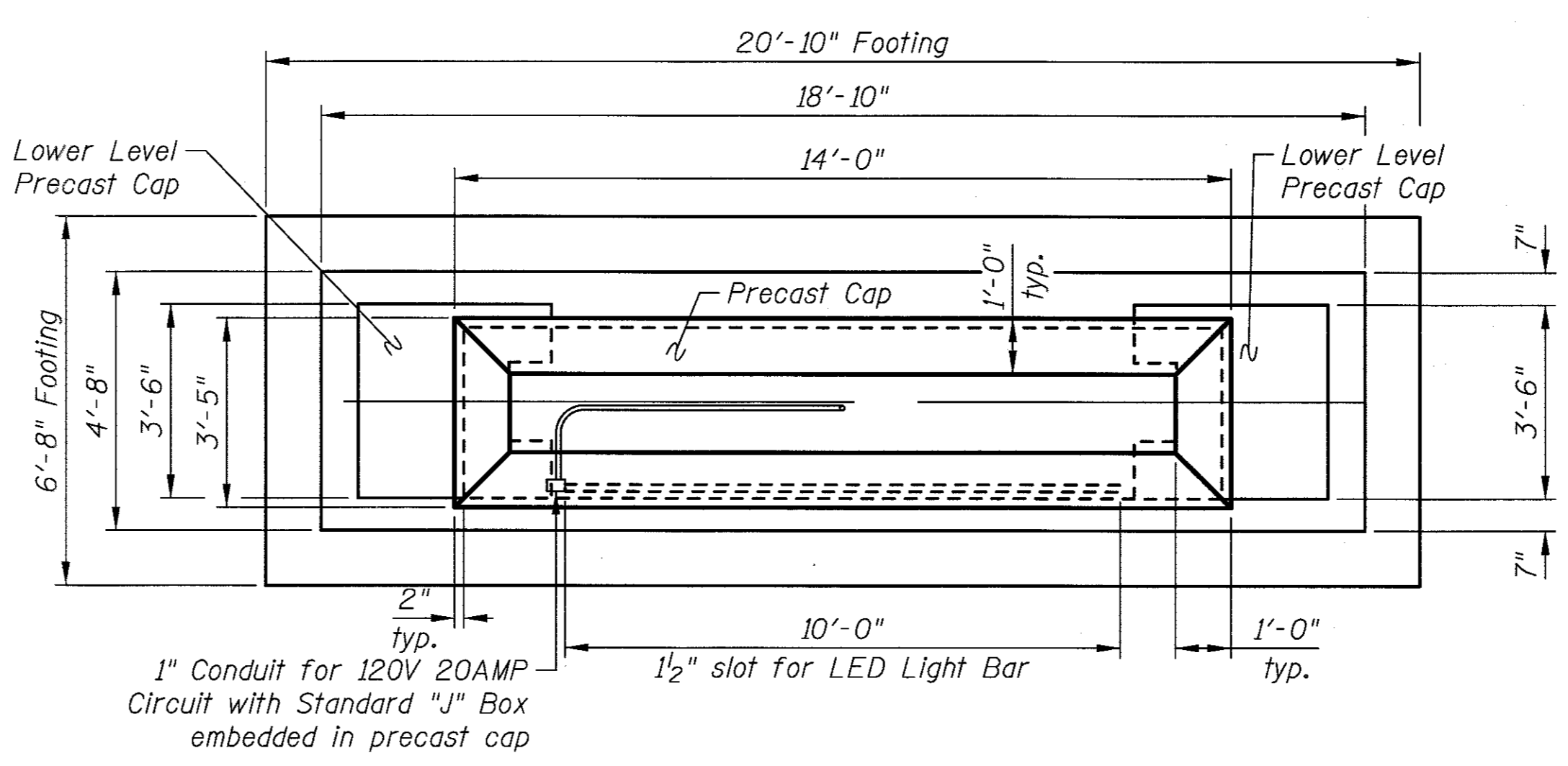
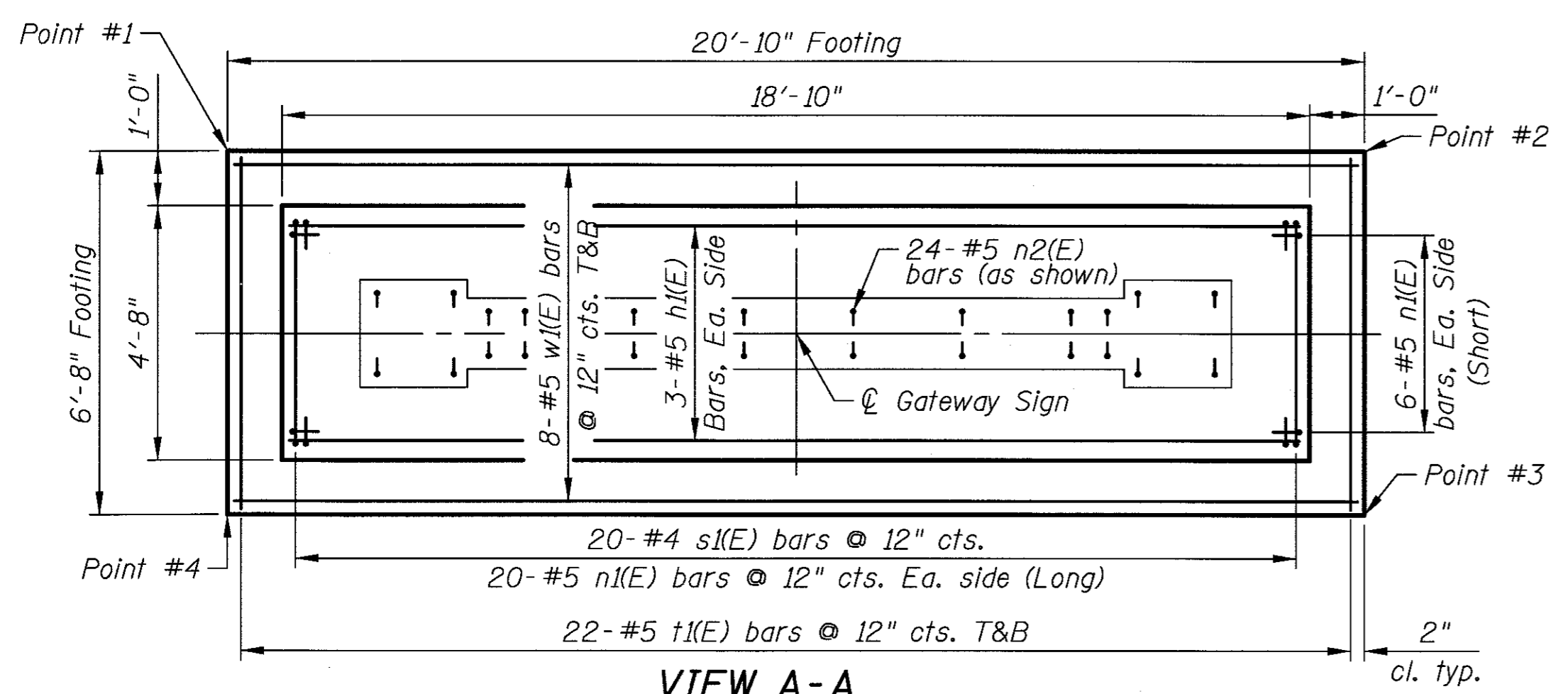
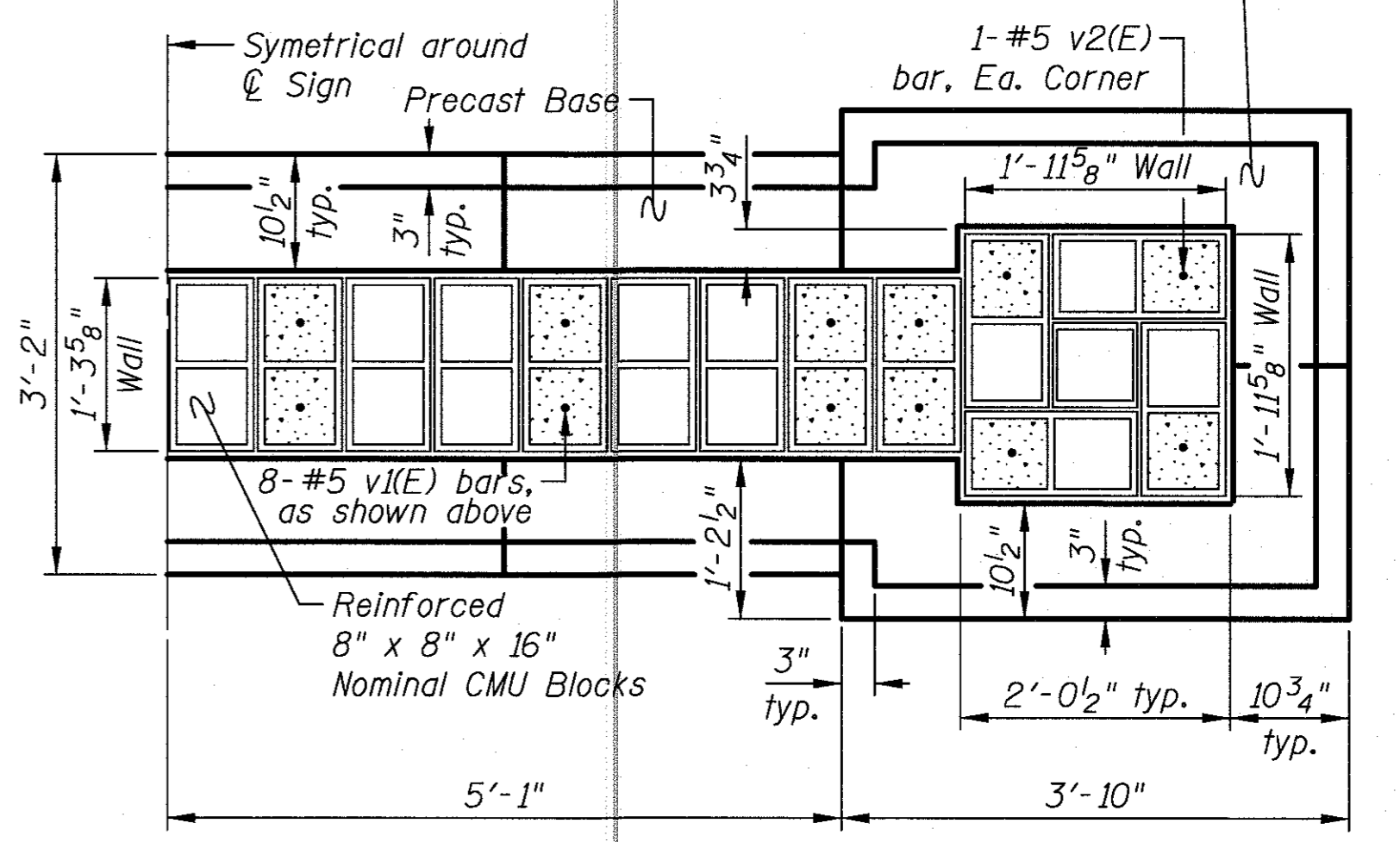
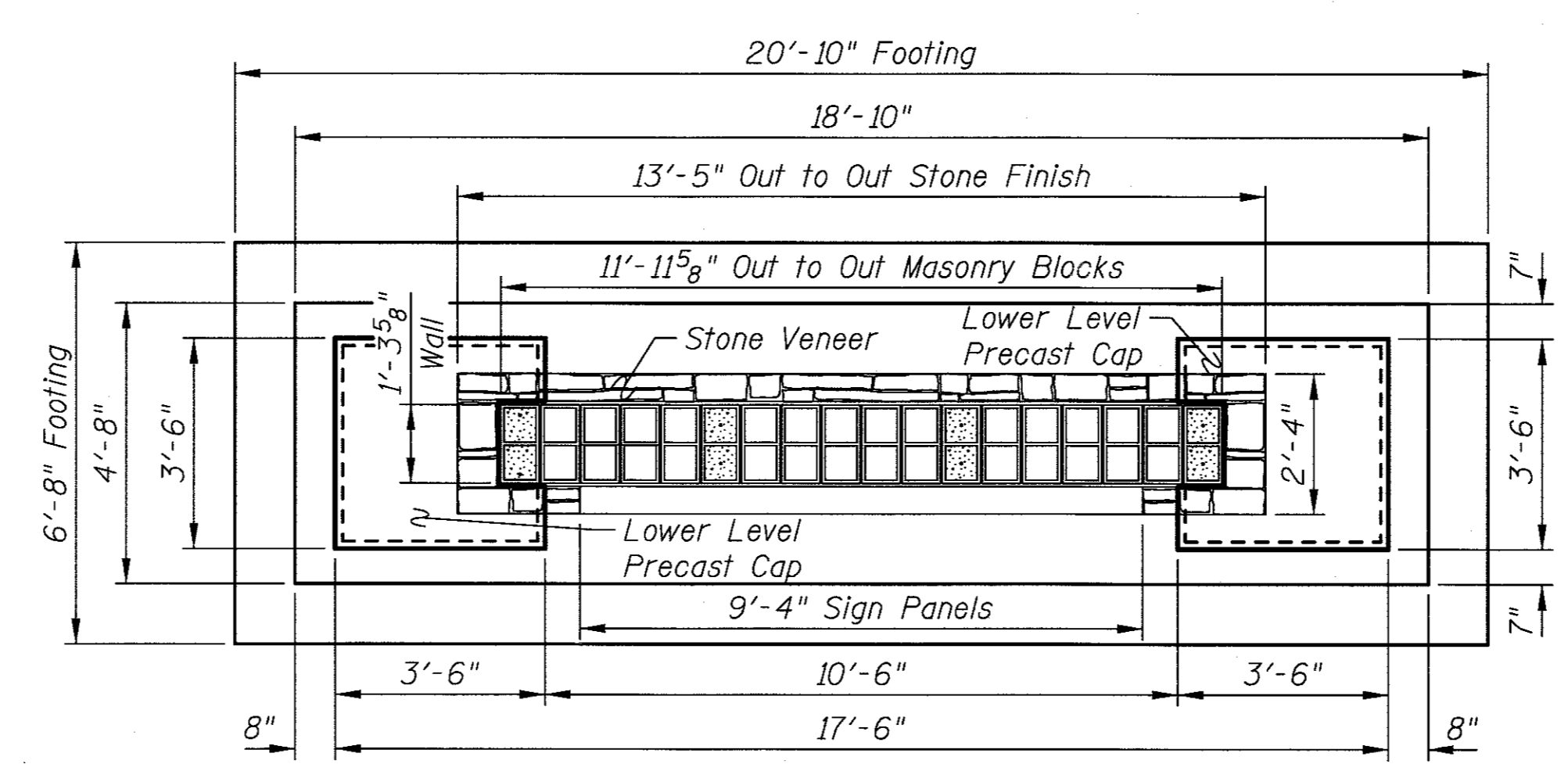
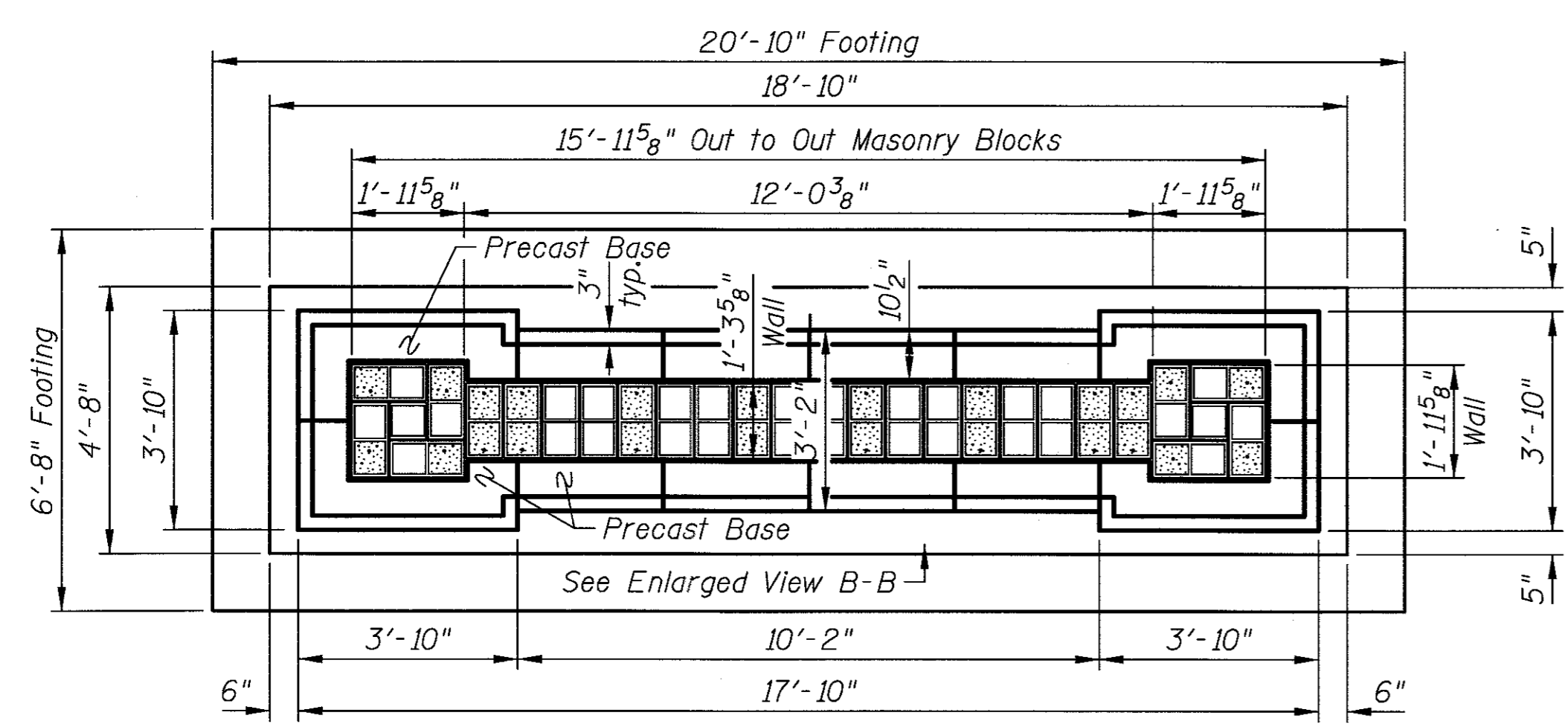
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0365	11-00033-00-LS	DUPAGE	64	54
CONTRACT NO. 61D93				
ILLINOIS FED. AID PROJECT				





**FOR INFORMATION ONLY**  
Quantity for 1 Sign

Bar	No.	Size	Length	Shape
h1(E)	6	#5	18'-6"	—
n1(E)	52	#5	3'-7"	┌
n2(E)	24	#5	4'-11"	┌
s1(E)	20	#4	12'-9"	□
t1(E)	44	#5	4'-2"	—
v1	16	#5	7'-0"	—
v2	8	#5	4'-8"	—
w1(E)	16	#5	20'-6"	—
Item	Unit	Quantity		
Concrete Structures	Cu. Yd.	14.3		
Reinforcement Bars	Pound	1,140		
Reinforcement Bars, Epoxy Coated	Pound	160		



Precast Base, See precast details on Sheet 29

Note: See Sheet 29 for precast details

**BILL OF MATERIAL**

Item	Unit	Quantity
Gateway Monument Sign Complete	Each	1

**ENGINEERING RESOURCE ASSOCIATES**  
35701 WEST AVENUE, SUITE 150  
WARRENVILLE, ILLINOIS 60555  
PHONE (630) 393-3060  
FAX (630) 393-2152

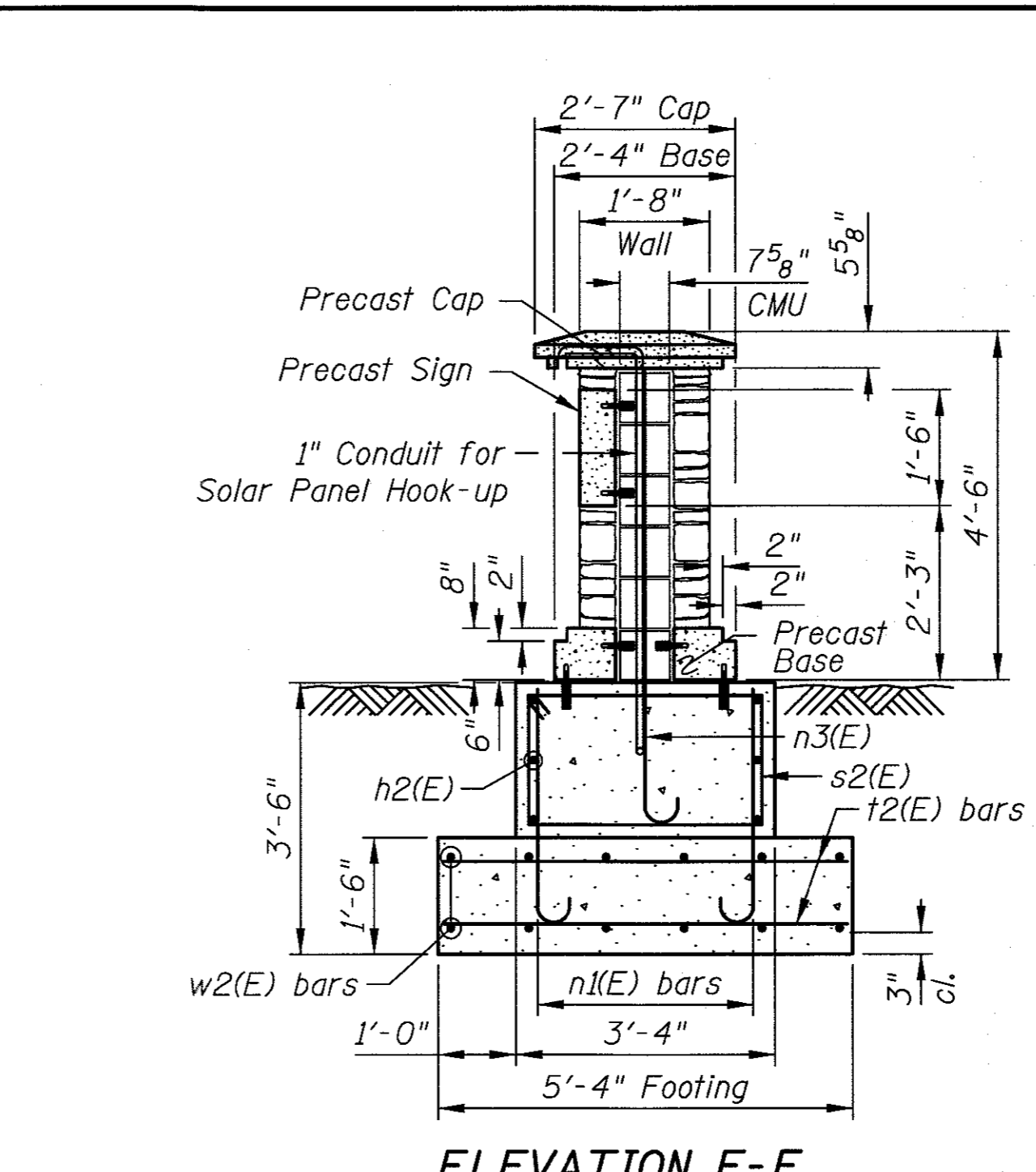
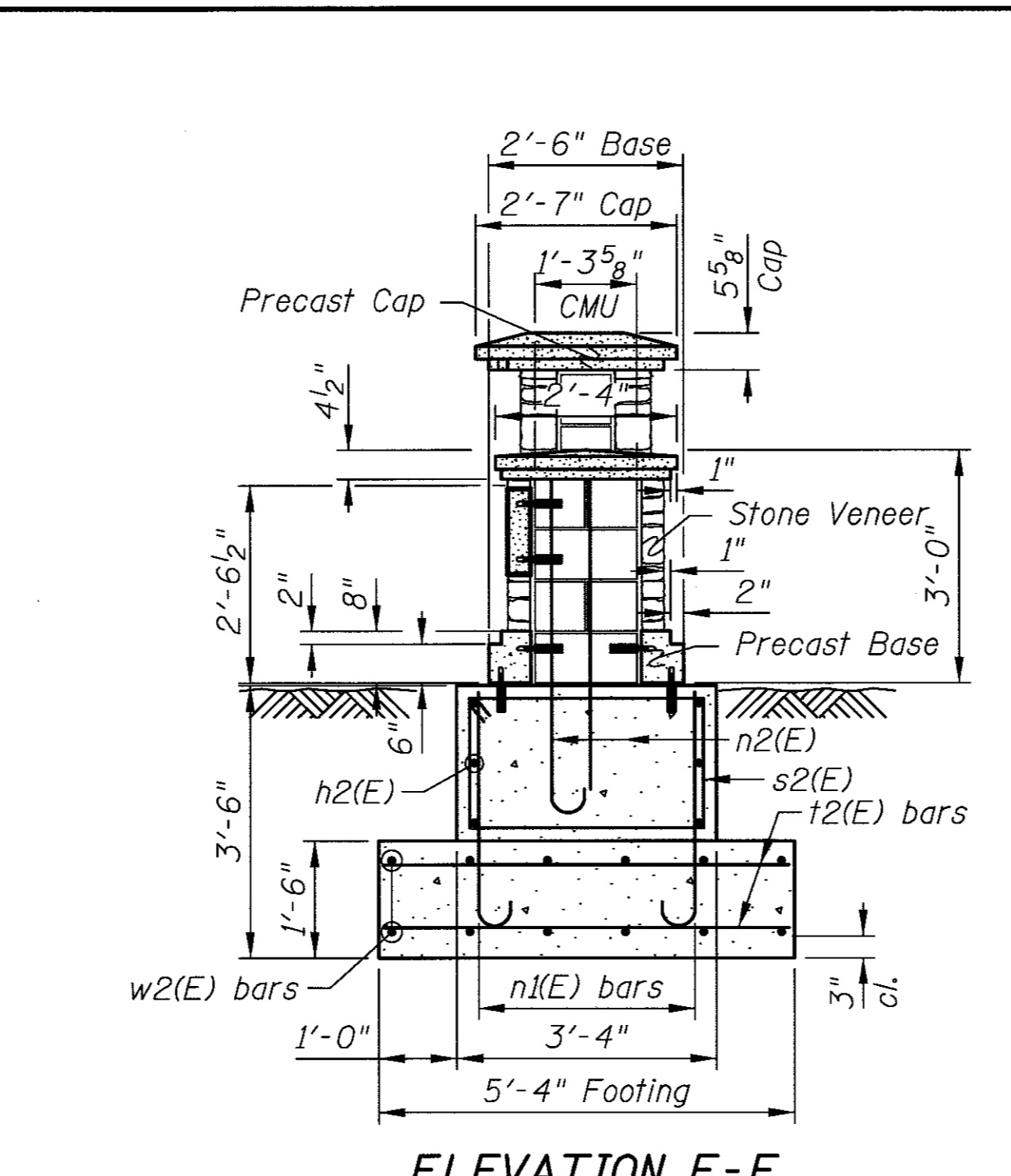
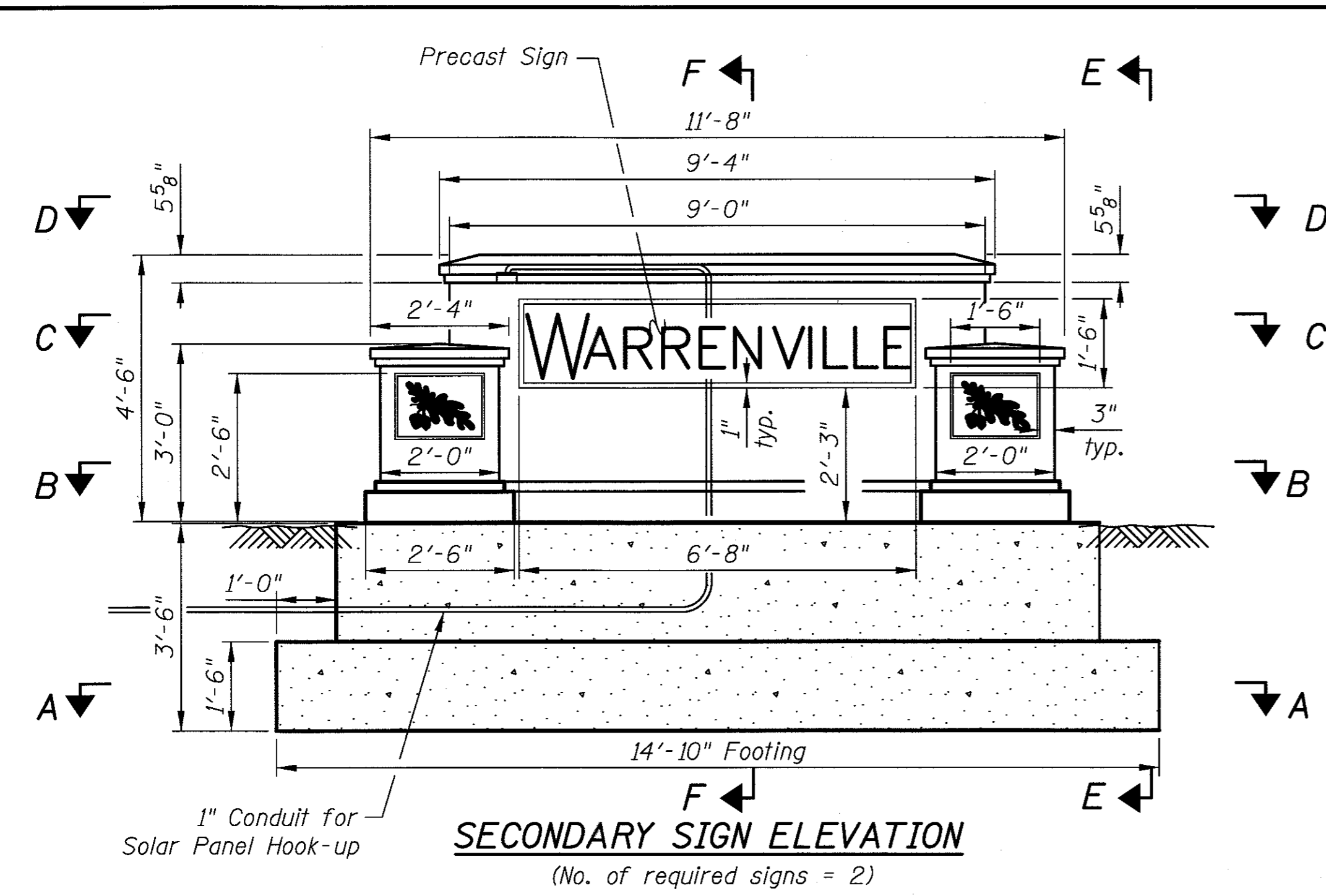
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DESIGNED - C. SEDLACKO  
CHECKED - M. LANGE  
DATE - MAY 8TH, 2017

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

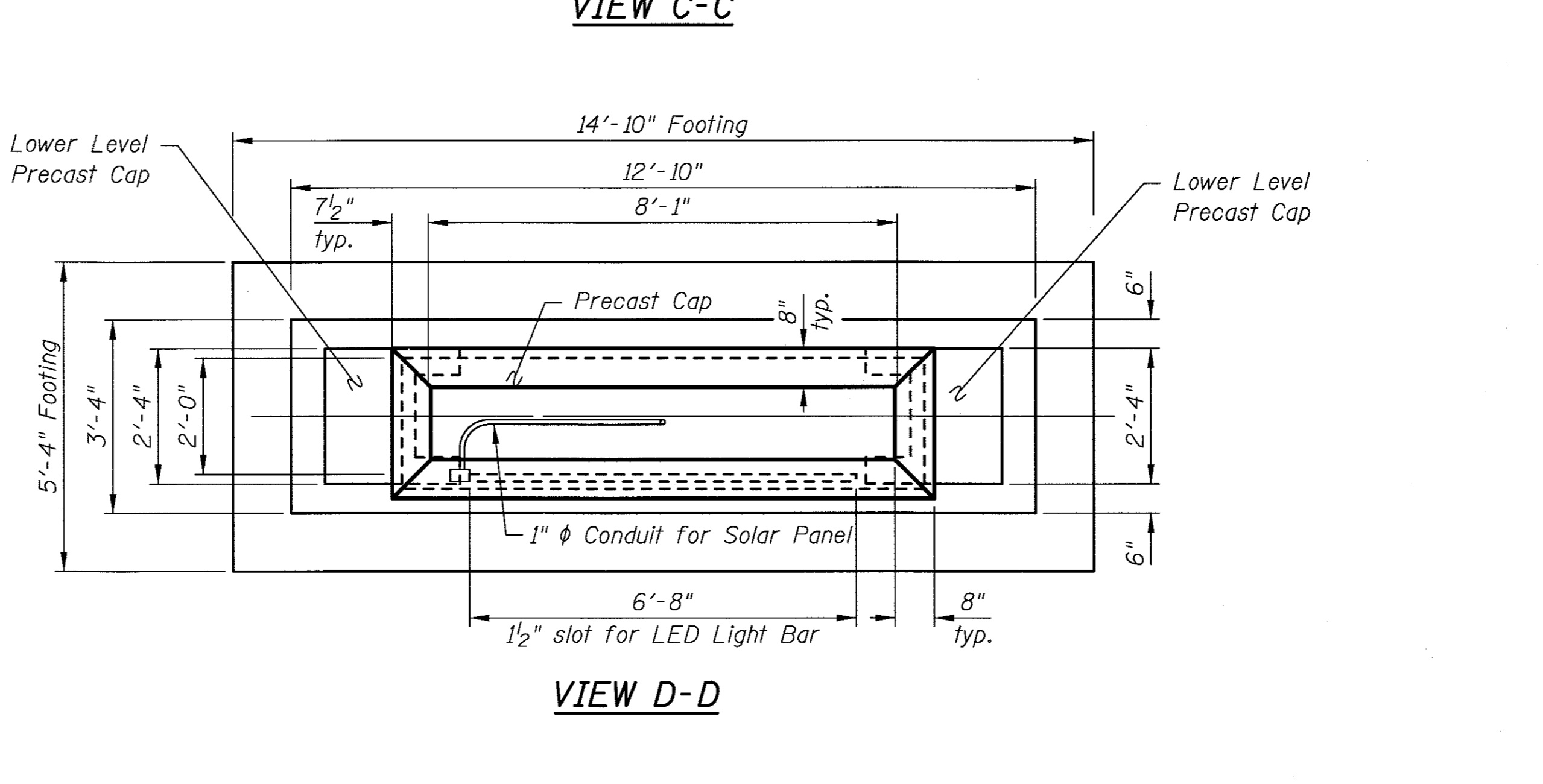
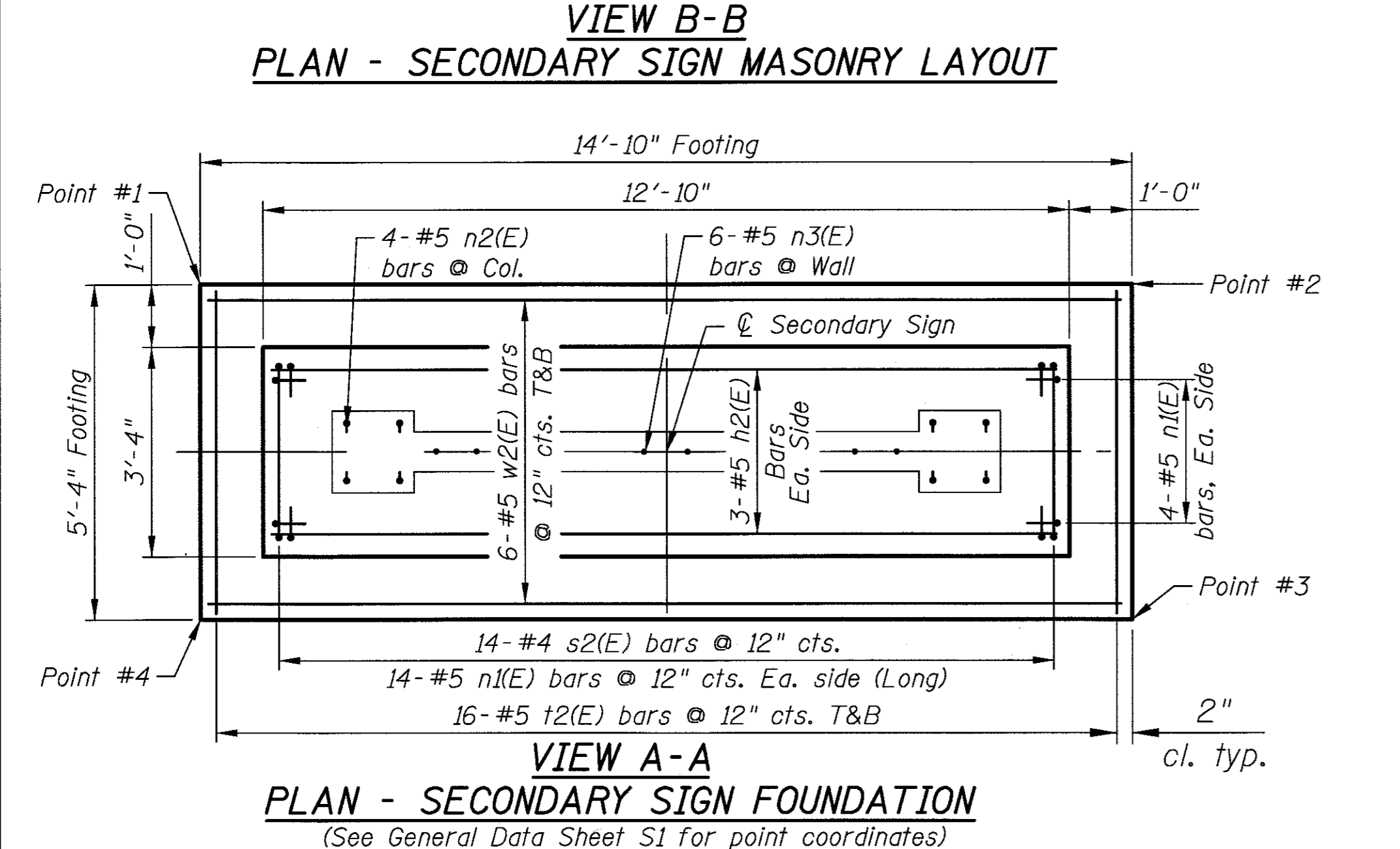
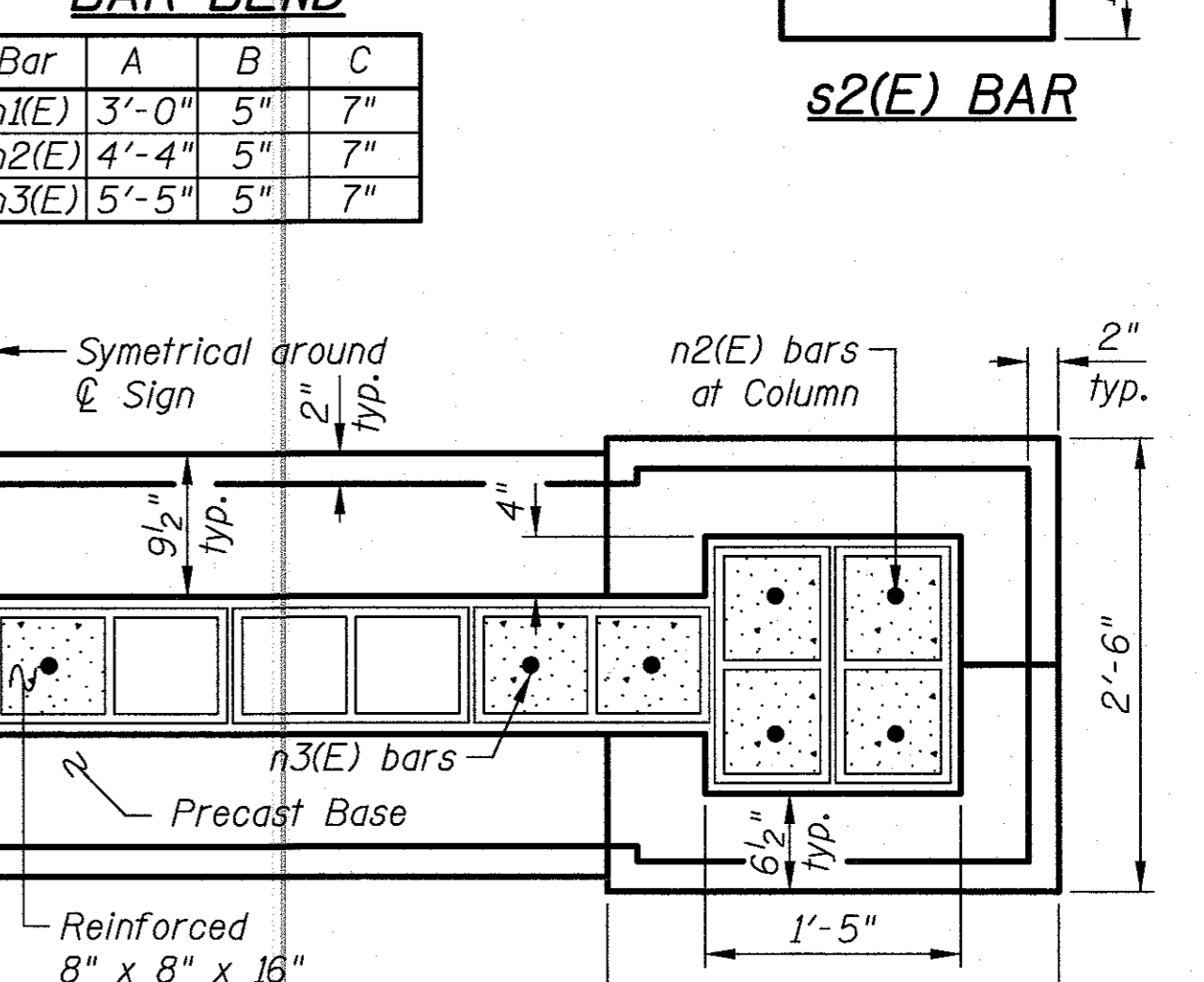
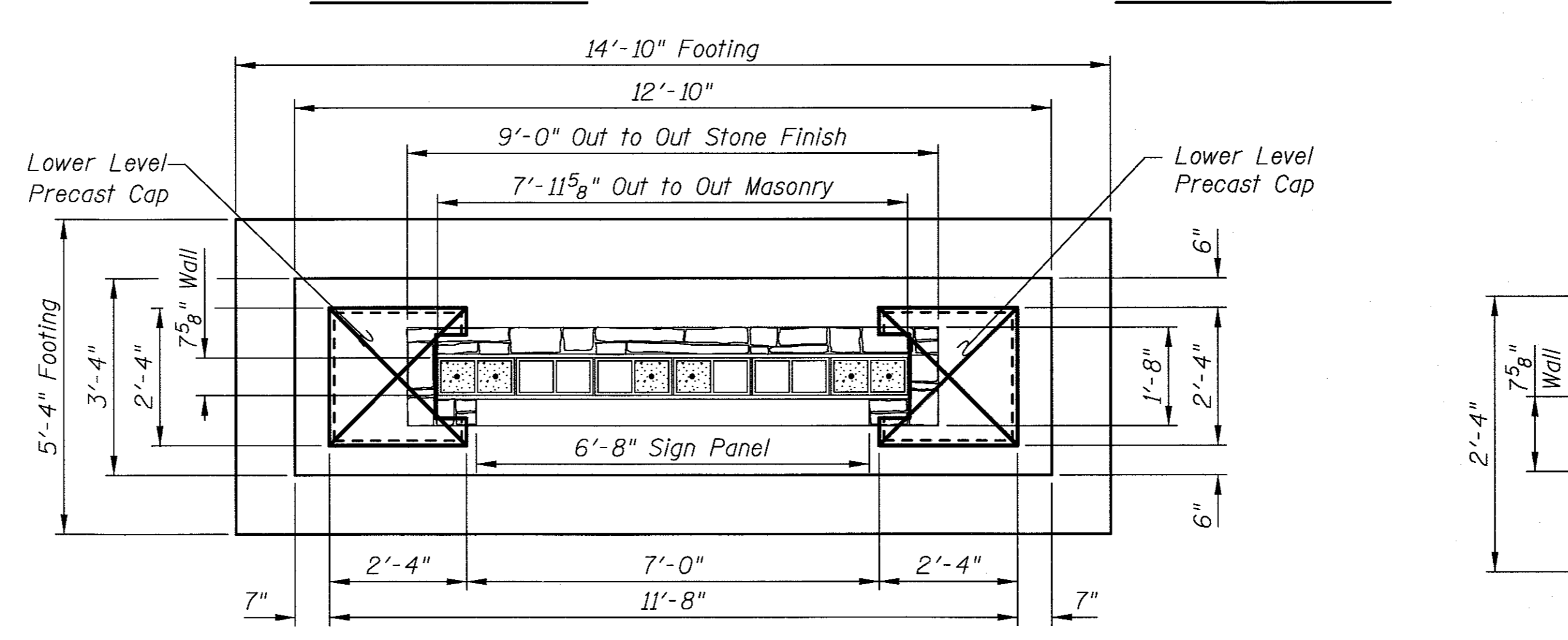
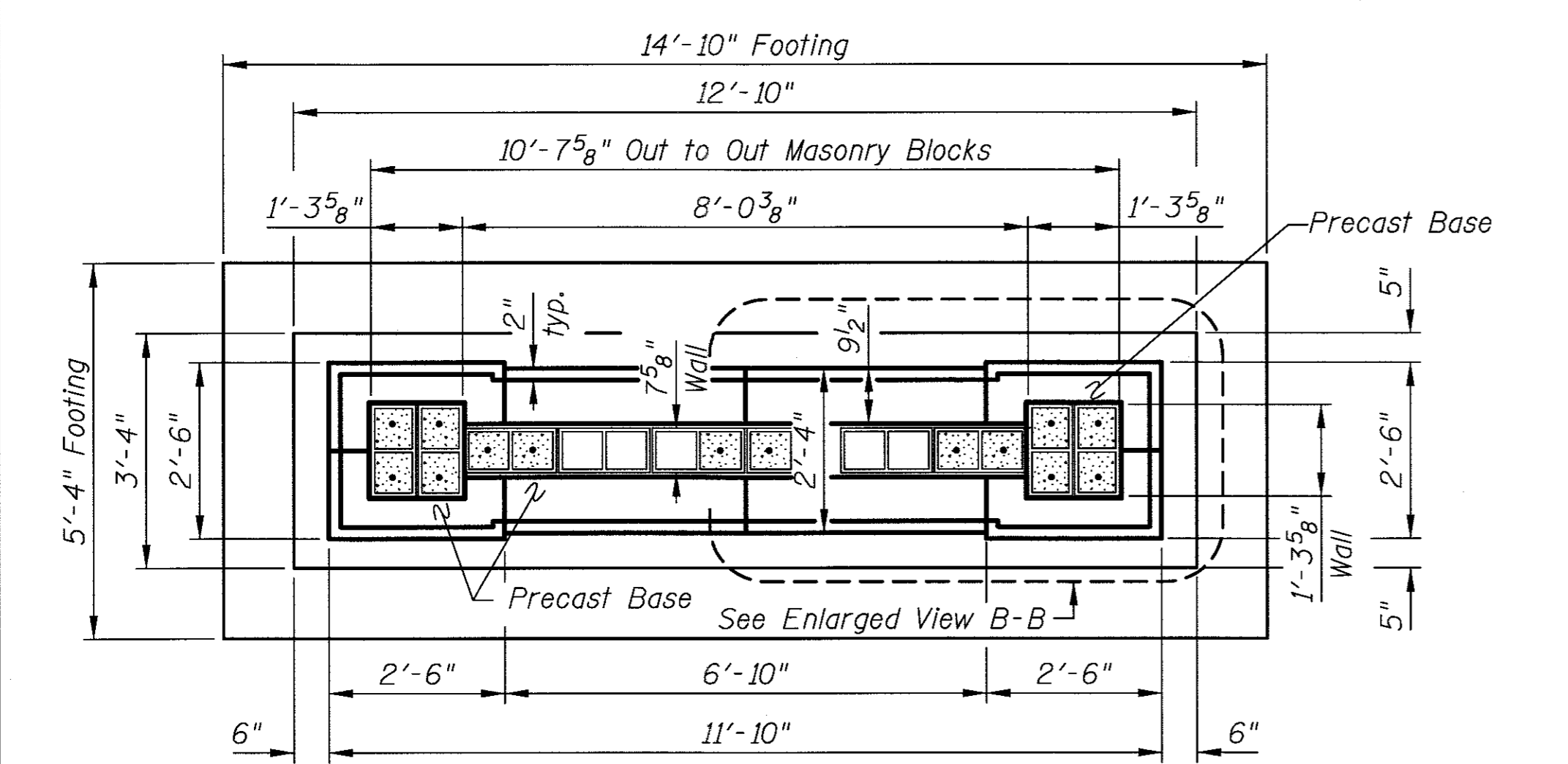
GATEWAY MONUMENT SIGN DETAILS  
BUTTERFIELD ROAD; LIGHTING & BEAUTIFICATION ITEP  
CITY OF WARRENVILLE  
SHEET NO. S2 OF S10 SHEETS

F.A.P. R.T.E. 0365  
SECTION 11-00033-00-LS  
COUNTY DUPAGE  
TOTAL SHEETS 64  
SHEET NO. 55  
CONTRACT NO. 61D93  
ILLINOIS FED. AID PROJECT



**FOR INFORMATION ONLY**  
Quantity for 1 Sign

Bar	No.	Size	Length	Shape
h2(E)	6	#5	12'-6"	—
n1(E)	36	#5	3'-7"	⌋
n2(E)	8	#5	4'-11"	⌋
n3(E)	6	#5	6'-0"	⌋
s2(E)	14	#4	9'-4"	□
t2(E)	28	#5	5'-0"	—
w2(E)	12	#5	14'-6"	—
Item		Unit	Quantity	
Concrete Structures		Cu. Yd.	7.6	
Reinforcement Bars		Pound	710	



**BAR BEND**

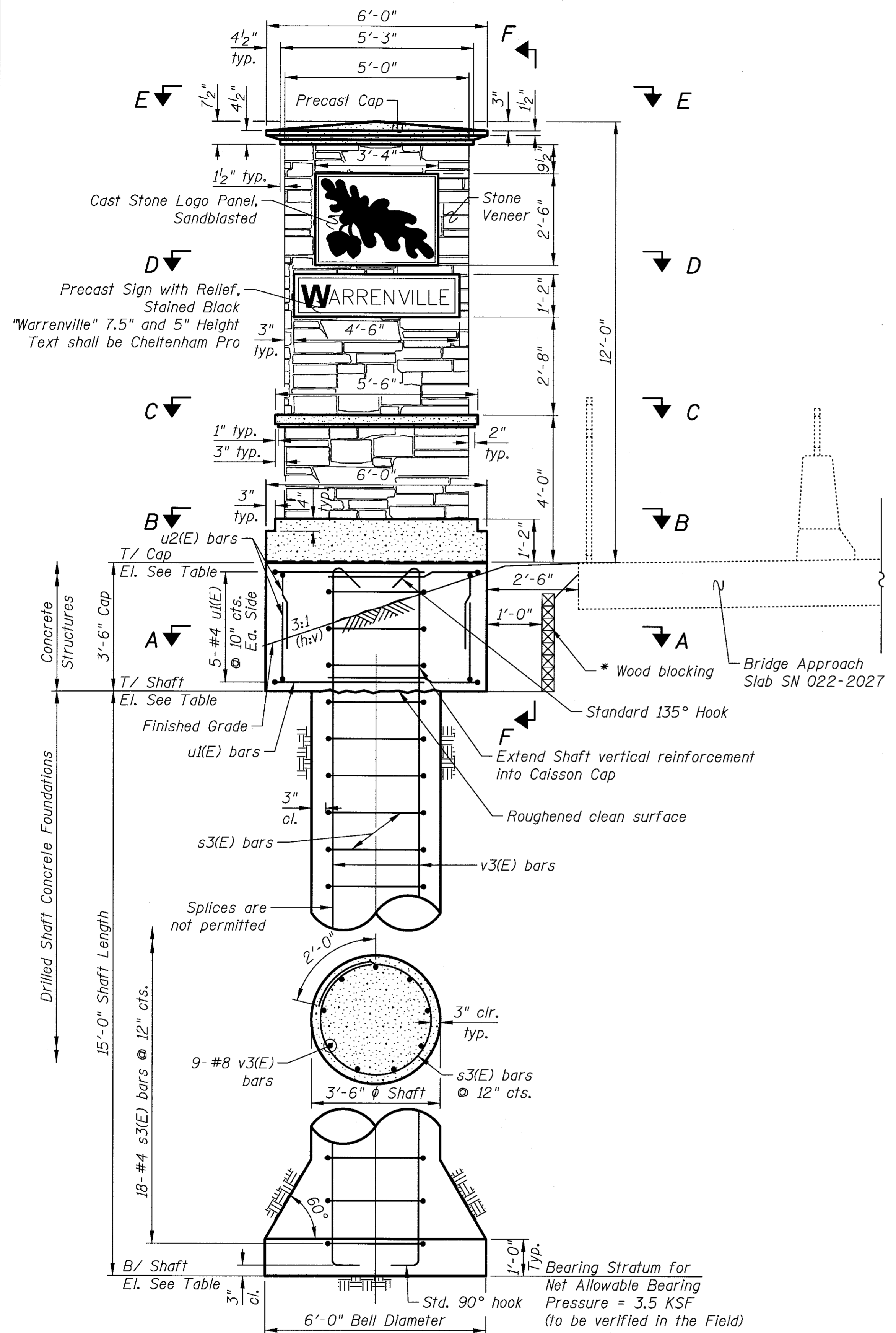
Bar	A	B	C
n1(E)	3'-0"	5"	7"
n2(E)	4'-4"	5"	7"
n3(E)	5'-5"	5"	7"

**s2(E) BAR**

Note: See Sheet 30 for precast details.

**BILL OF MATERIAL**

Item	Unit	Quantity
Minor Sign Complete	Each	2

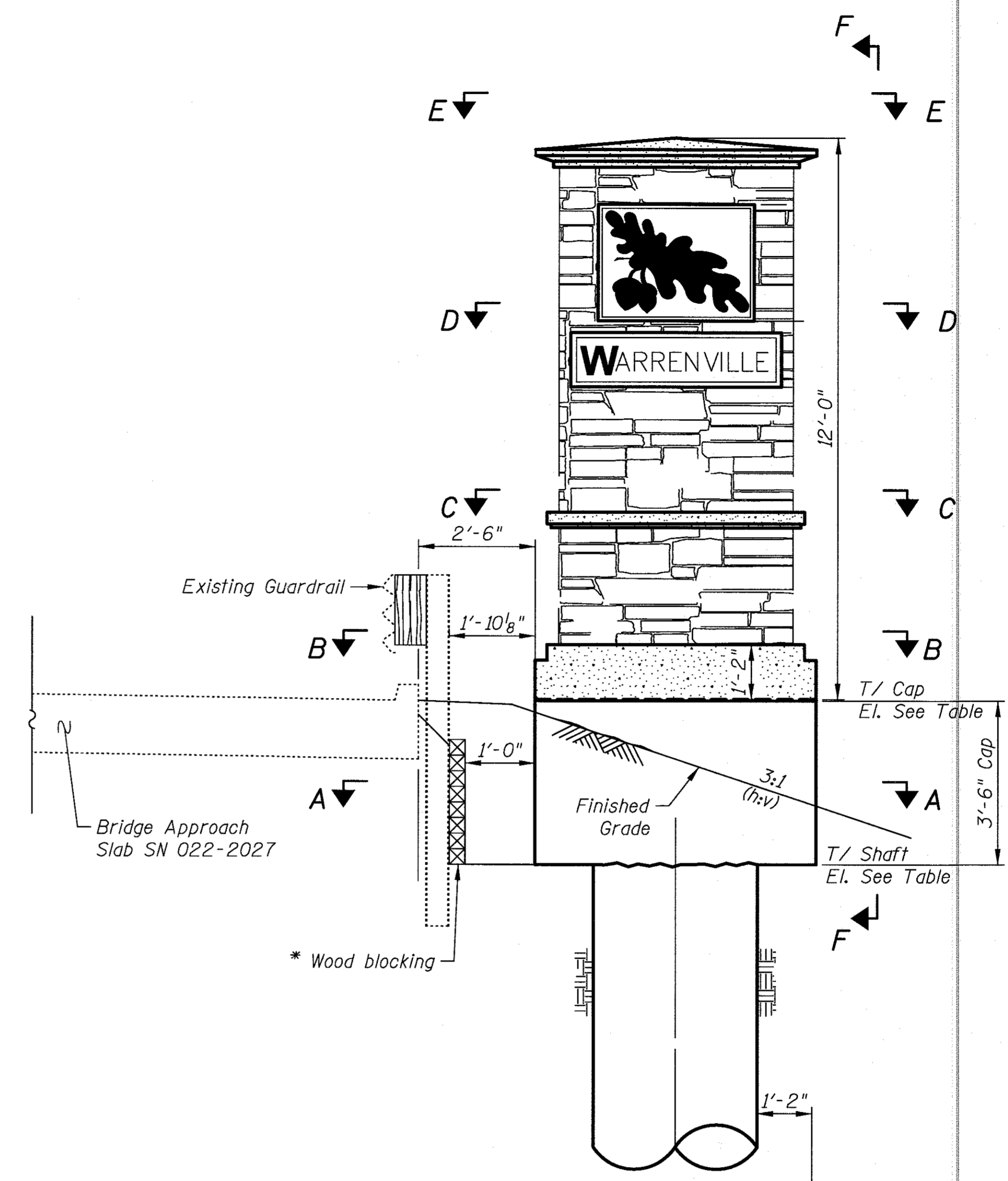


**MASONRY COLUMN, LARGE  
NORTHWEST ELEVATION**

(No. Required = 4)

Northwest Corner shown, Northeast corner is similar

\* Wood blocking/ Shoring (as required) is included in the cost of Decorative Bridge Column



**MASONRY COLUMN, LARGE  
SOUTHWEST ELEVATION**

Southwest Corner shown, Southeast corner is similar  
See Masonry Column, Large Northwest Elevation for  
balance of information not shown

**MASONRY COLUMN, LARGE SIGN DETAILS I**

**ENGINEERING RESOURCE ASSOCIATES**  
38701 WEST AVENUE, SUITE 150  
WARRENVILLE, ILLINOIS 60055  
PHONE (630) 393-3060  
FAX (630) 393-2152

DRAWN - C. SEDLACKO	REVISED -
DESIGNED - C. SEDLACKO	REVISED -
CHECKED - M. LANGE	REVISED -
DATE - MAY 8TH, 2017	REVISED -

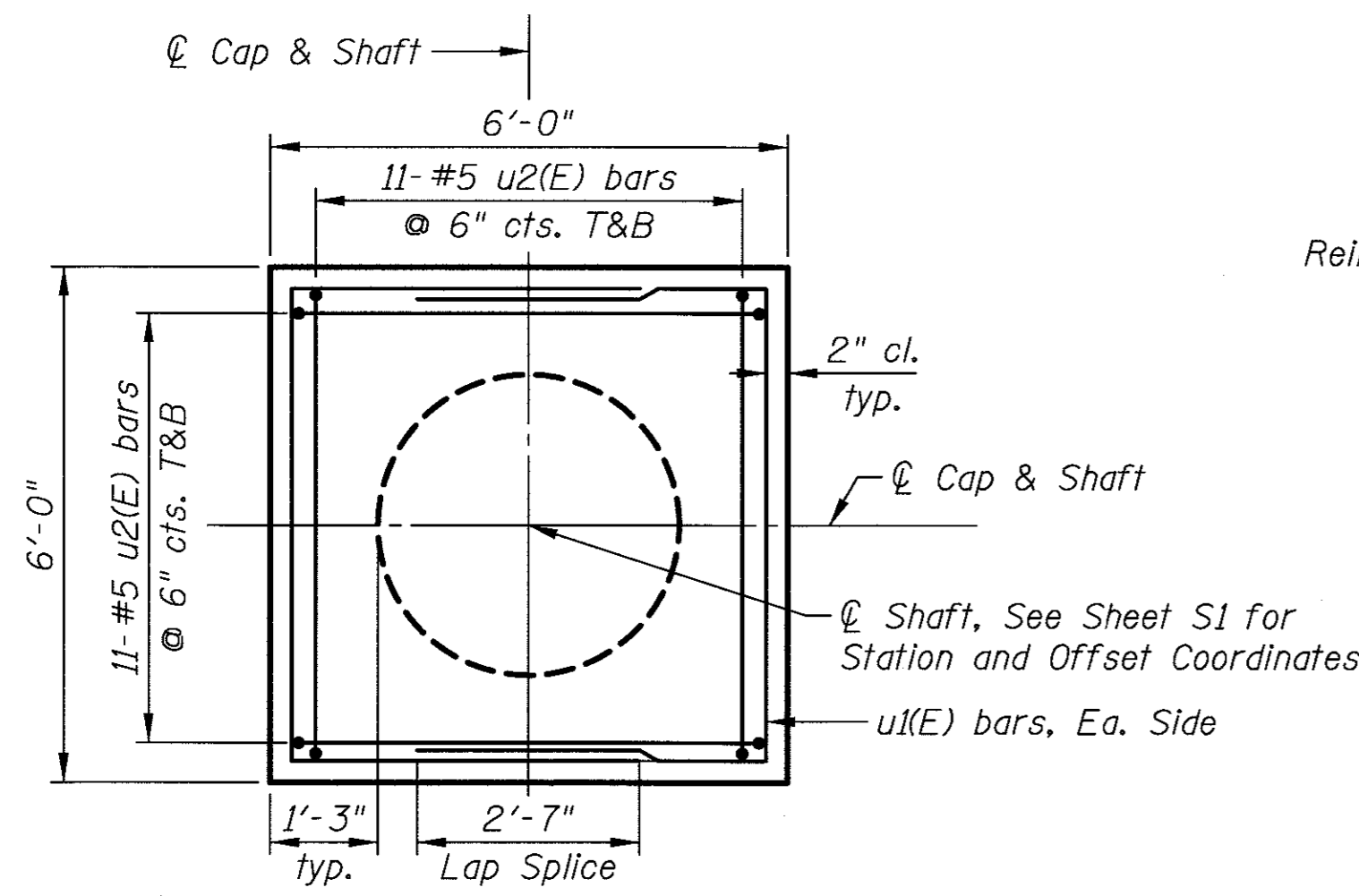
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTTERFIELD ROAD; LIGHTING & BEAUTIFICATION ITP  
CITY OF WARRENVILLE**

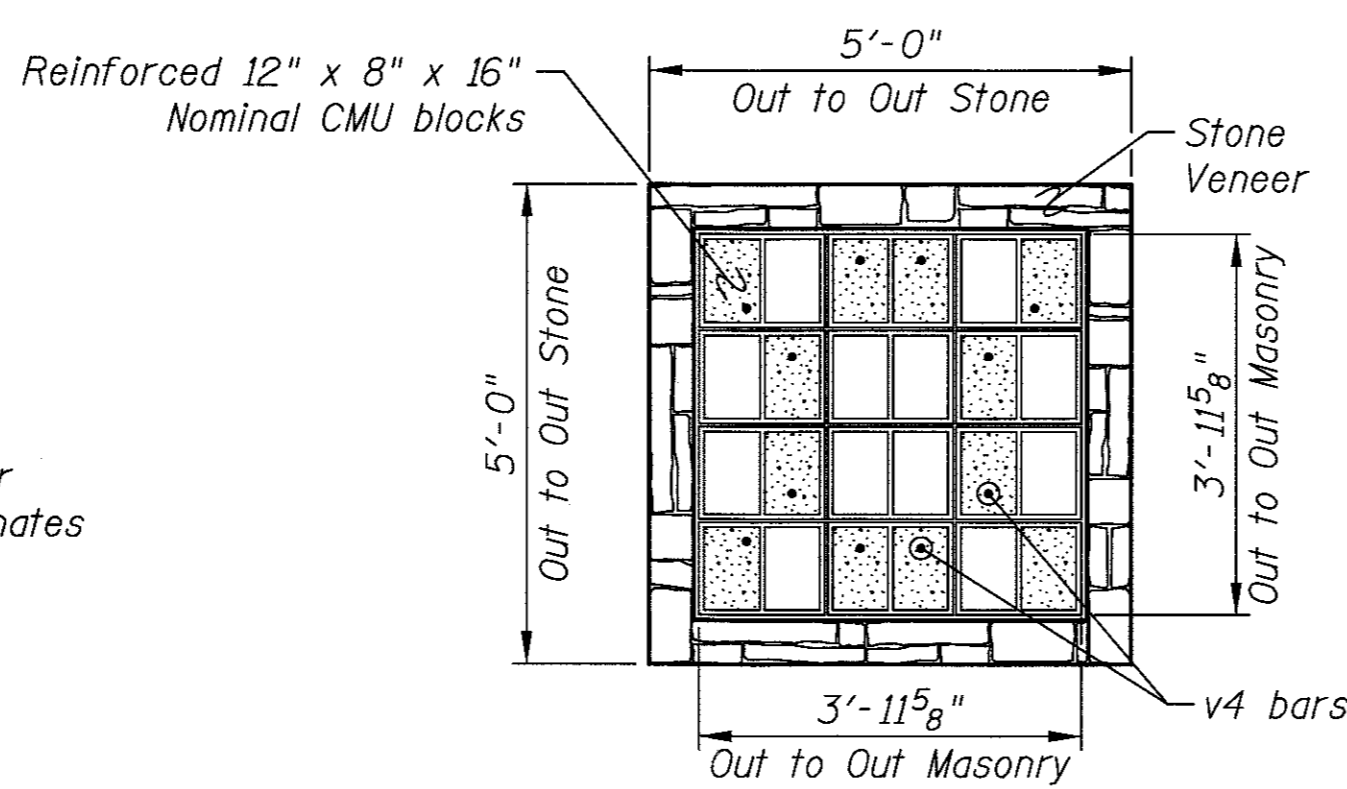
SHEET NO. S4 OF S10 SHEETS

F.A.P. RTE. 0365	SECTION 11-00033-00-LS	COUNTY DUPAGE	TOTAL SHEETS 64	SHEET NO. 57
CONTRACT NO. 61D93				ILLINOIS FED. AID PROJECT

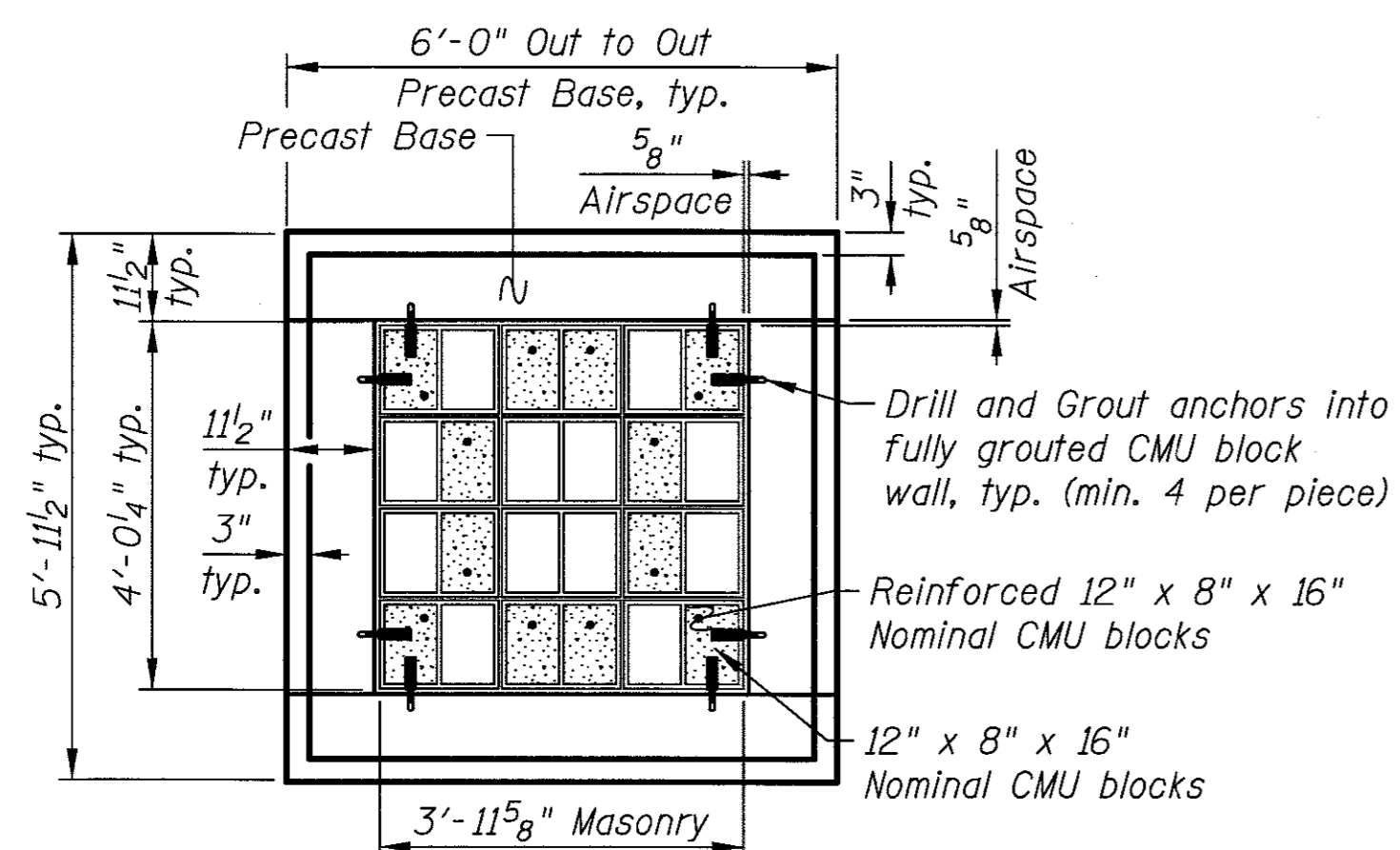




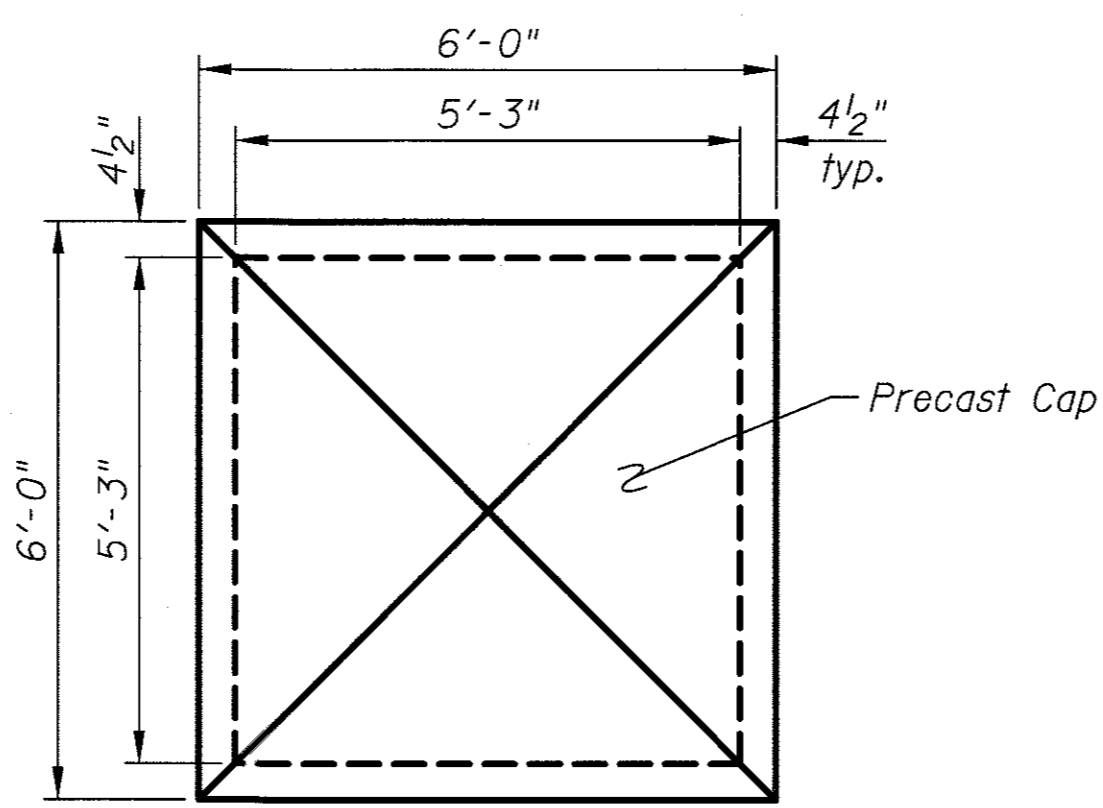
**VIEW A-A**



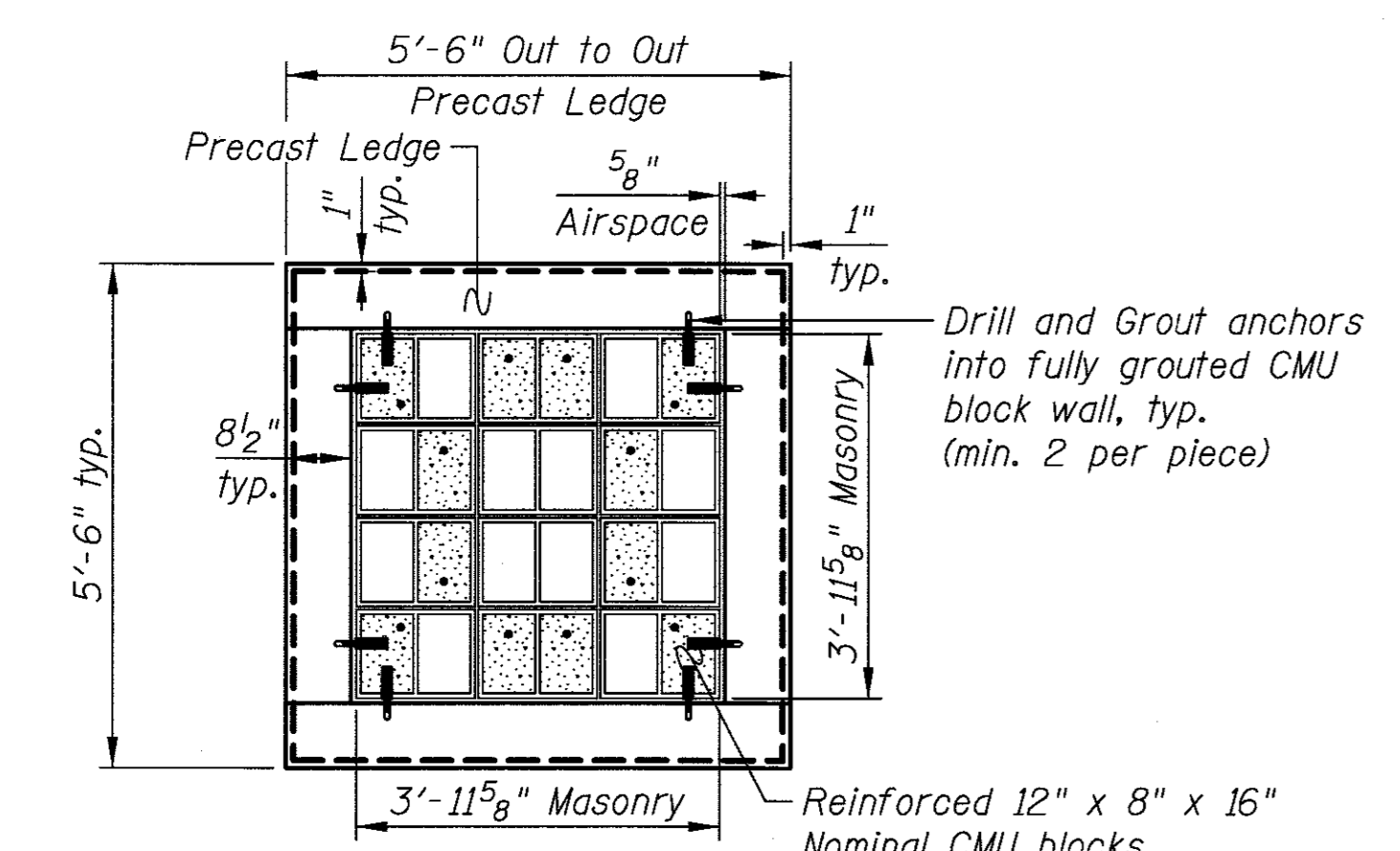
**VIEW D-D**



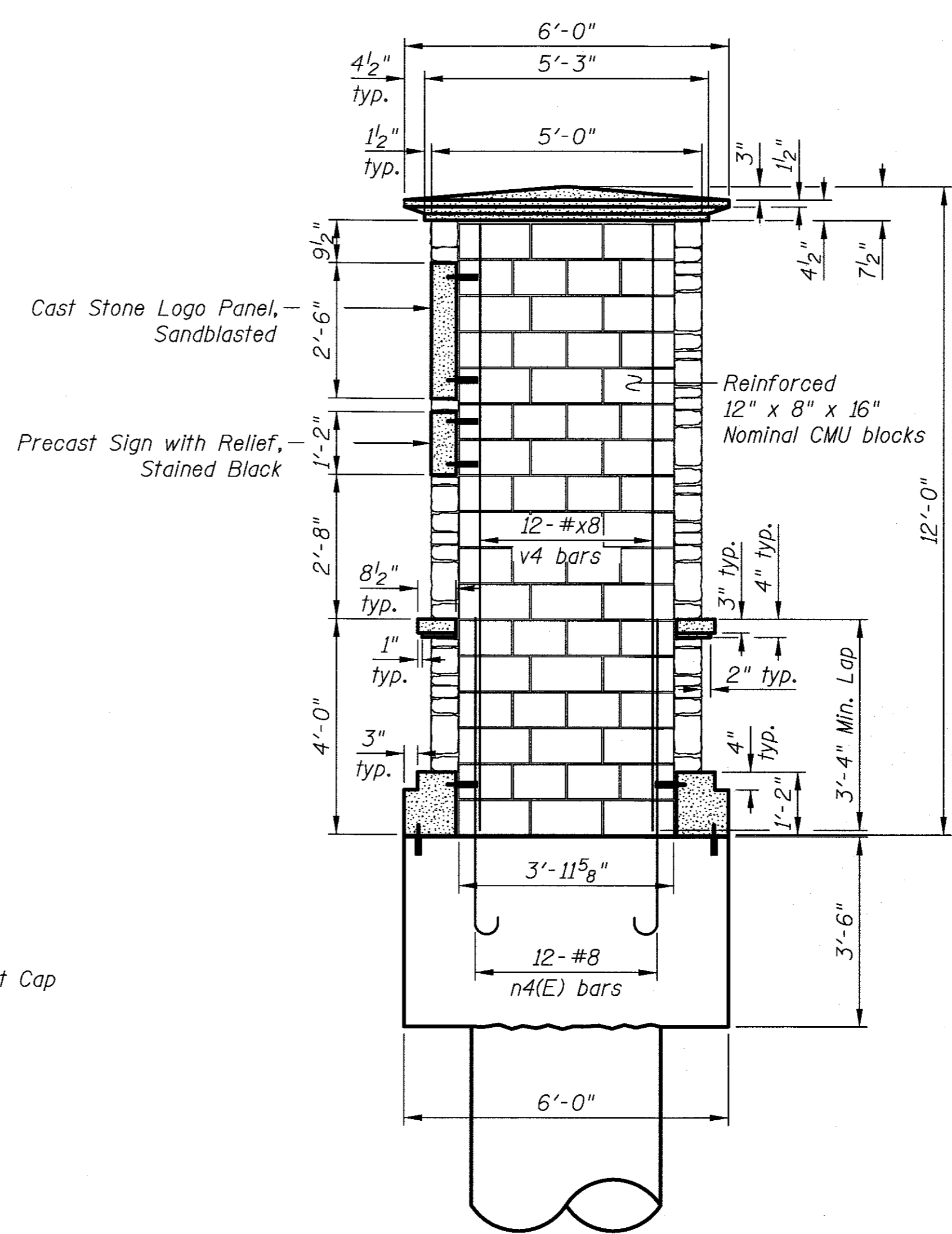
**VIEW B-B**



**VIEW E-E**

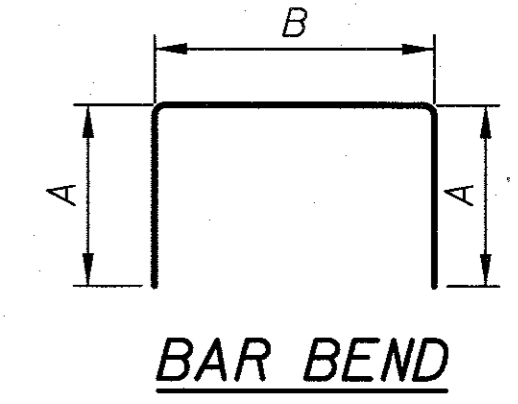
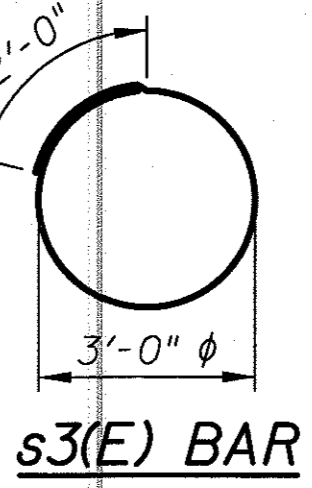


**VIEW C-C**

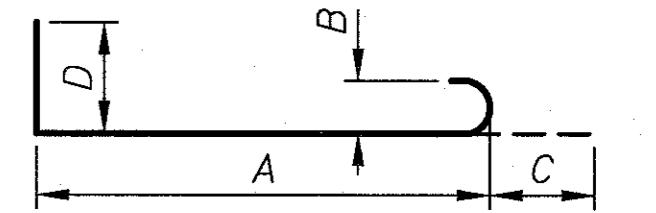


**ELEVATION F-F**

Cap and shaft reinforcement not shown



Bar	A	B
u1(E)	4'-2"	5'-8"
u2(E)	2'-0"	5'-7"



Bar	A	B	C	D
n4(E)	5'-10"	8"	11"	-
v3(E)	17'-6"	8"	11"	1'-4"

**FOR INFORMATION ONLY**  
Quantity for 1 Masonry Column, Large

Bar	No.	Size	Length	Shape
n4(E)	12	#8	6'-9"	┌
s3(E)	18	#4	11'-5"	○
u1(E)	10	#4	14'-0"	└
u2(E)	44	#5	9'-7"	└
v3(E)	9	#8	19'-9"	└
v4	12	#8	11'-2"	—
Item	Unit	Quantity		
Concrete Structures	Cu. Yd.	4.7		
Reinforcement Bars	Pound	360		
Reinforcement Bars, Epoxy Coated	Pound	1,740		
Drilled Shaft Concrete Foundations	Cu. Yd.	6.8		

**BILL OF MATERIAL**

Item	Unit	Quantity
Masonry Column, Large	Each	4



Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
695.8	2-inch thick, black SILTY CLAY LOAM --TOPSOIL--	0													
	Stiff, brown CLAY LOAM w/little gravel	1	X	1	4 4 3	1.00 P	11				X	11	3 5 11	2.87 B	15
693.0	Medium dense to dense, brown GRAVELLY SAND	5	X	2	3 10 16	NP	9			30	X	12	3 8 3	2.30 B	14
		10	X	3	5 20 22	NP	10		664.0						
688.0	Stiff to very stiff, gray CLAY LOAM w/some gravel	10	X	4	7 4 5	2.00 P	10			35	X	13	20 39 33	NP	18
		15	X	5	3 3 4	2.05 B	13		659.0						
		20	X	6	4 4 6	1.89 B	12		656.5						
680.5	Medium dense, gray LOAM w/some gravel	20	X	7	5 7 10	NP	10			40	X	14	3 6 50/5"	NP	7
		25	X	8	23 20 12	NP	8		654.0						
		30	X	9	3 5 6	NP	12			45					
673.0	Very stiff, gray CLAY LOAM w/some gravel	30	X	10	5 8 9	2.05 B	14		649.0						
		35	X	11						50	X	16			

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	07-17-2009	Complete Drilling	08-06-2009
Drilling Contractor	WTS	Drill Rig	Mobile B-57
Driller	J&K	Logger	B. Wilson
Checked by	S. Sugiarto	Time After Drilling	NA
Drilling Method	4.25 ID HSA; Boring Backfilled Upon Completion	Depth to Water	NA
		The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
644.0	Boring terminated at 52.00 ft	55								60					
		65								70					
		75													

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	07-17-2009	Complete Drilling	08-06-2009
Drilling Contractor	WTS	Drill Rig	Mobile B-57
Driller	J&K	Logger	B. Wilson
Checked by	S. Sugiarto	Time After Drilling	NA
Drilling Method	4.25 ID HSA; Boring Backfilled Upon Completion	Depth to Water	NA
		The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	



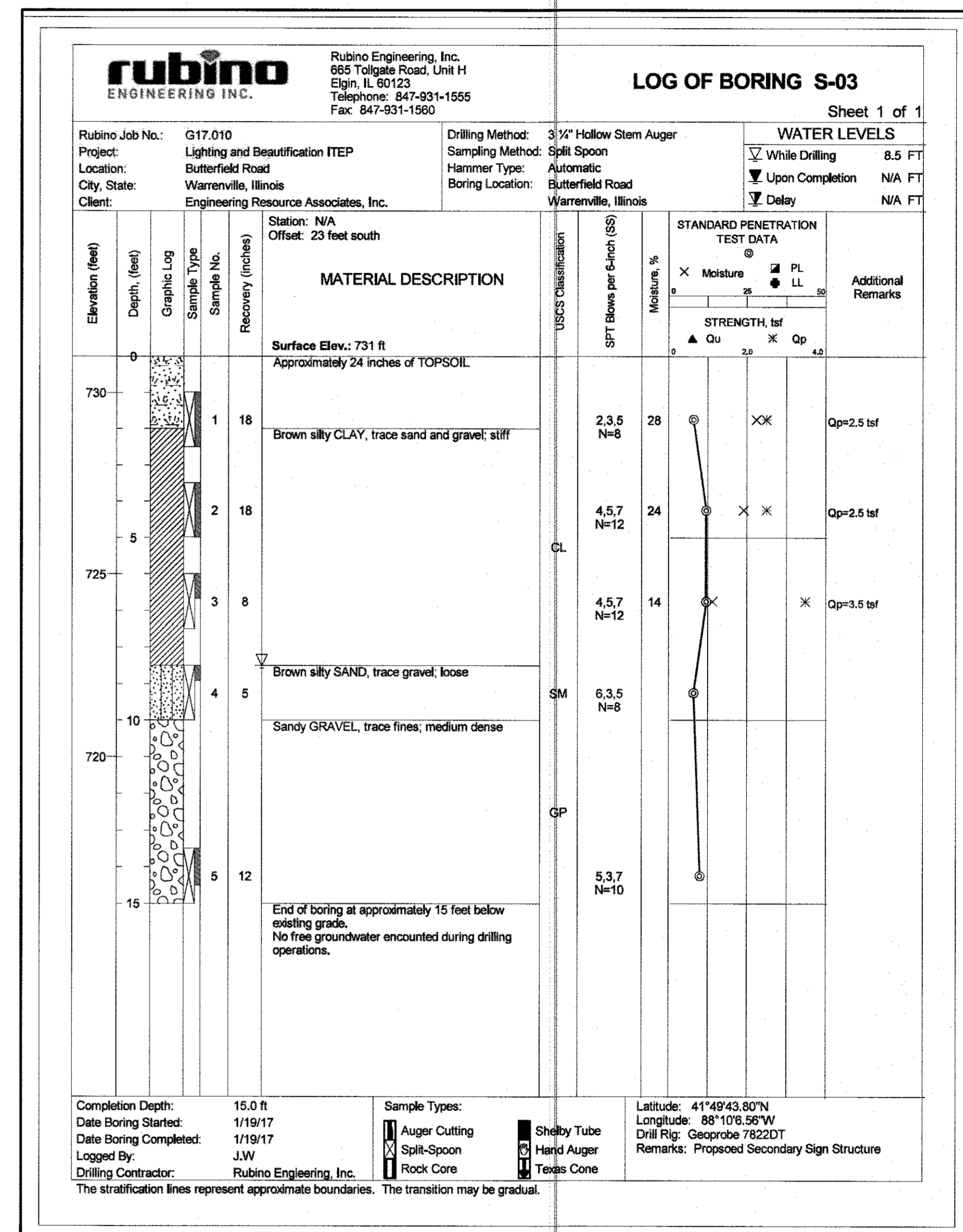
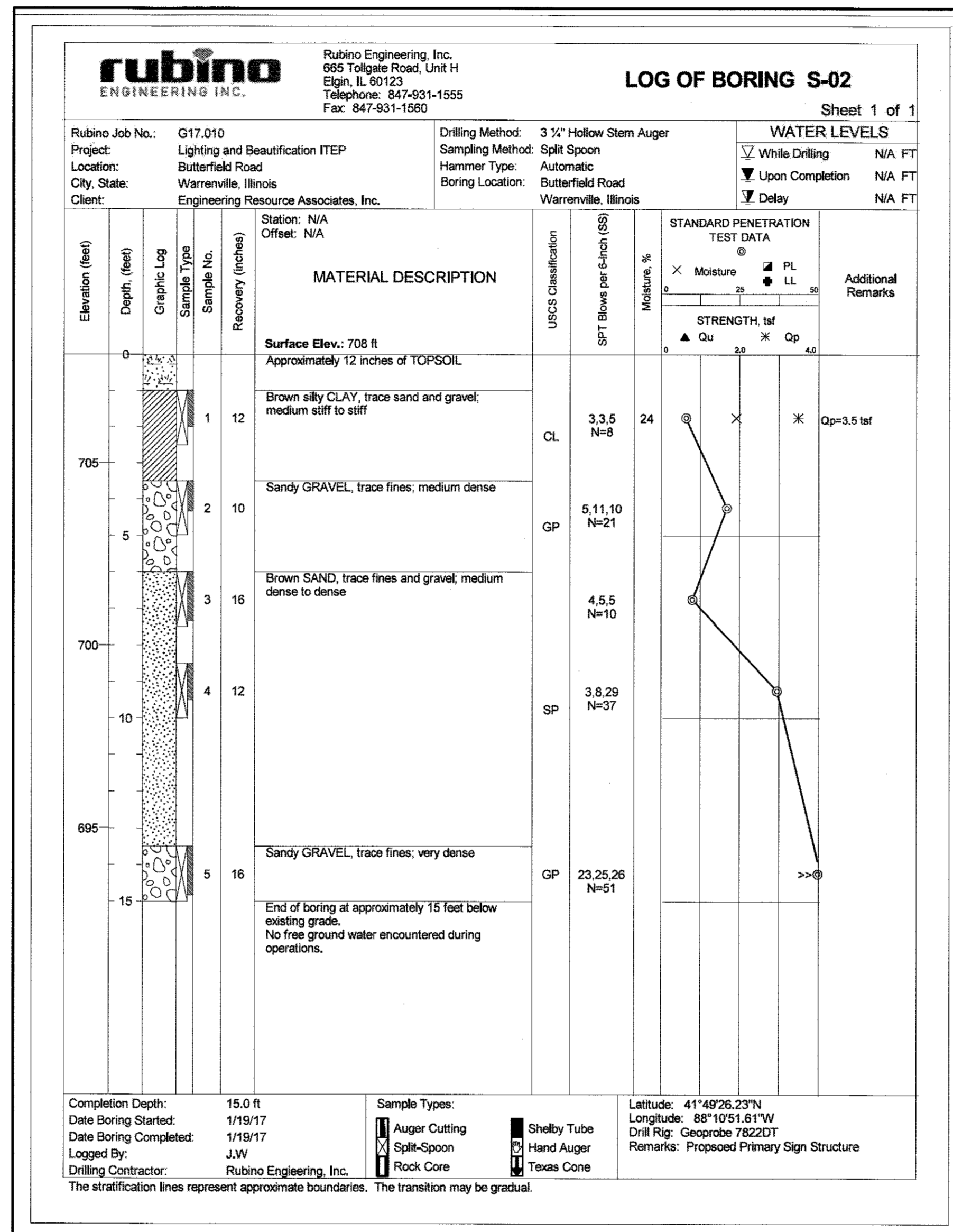
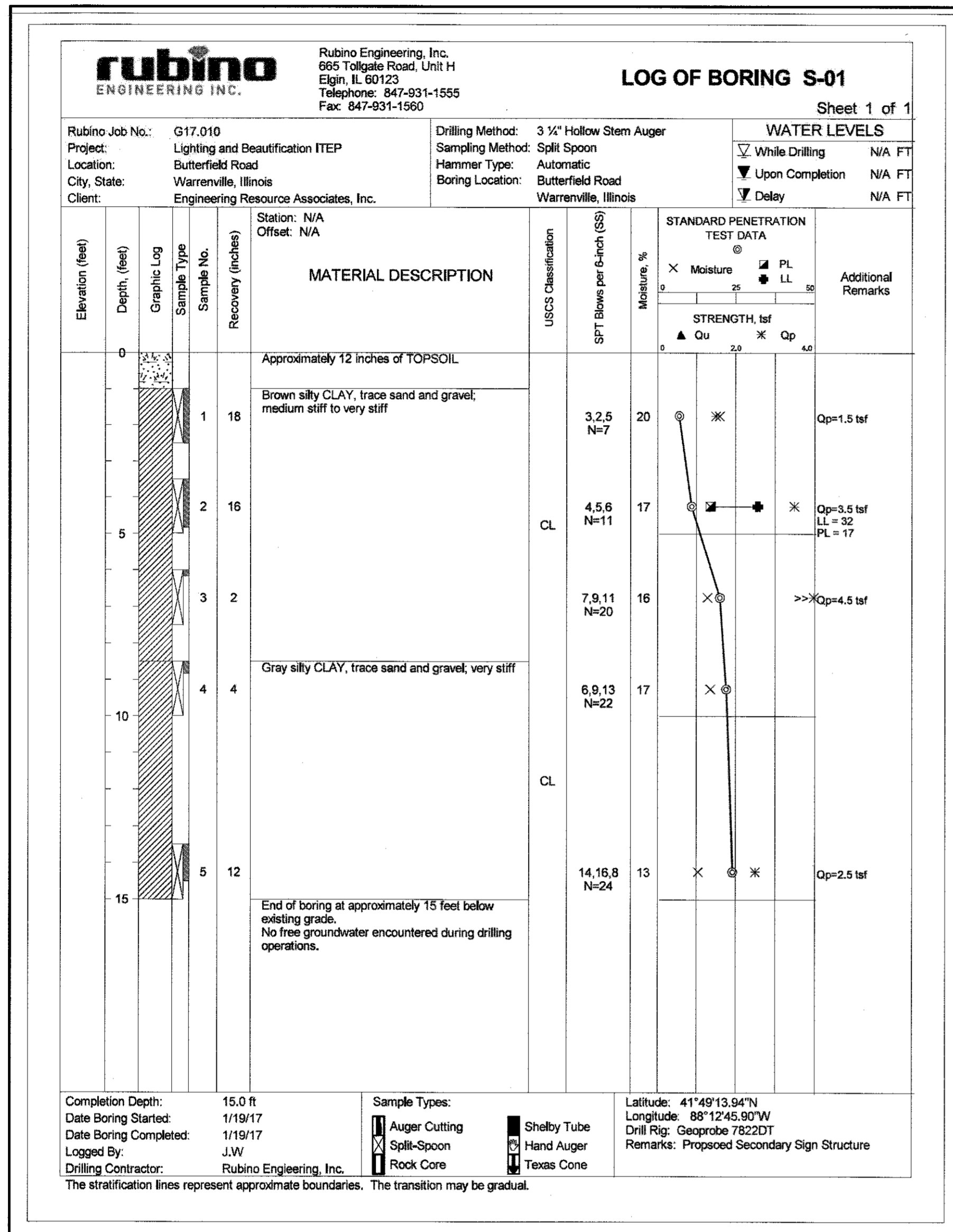


Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
698.0	20-inch thick ASPHALT --PAVEMENT--						672.5	Medium dense to dense, gray SILT to SILTY LOAM w/trace to some gravel					
696.3	Medium dense, brown CRUSHED STONE		1	5 9 12	NP					11	11 15 18	NP	16
695.0	Very stiff, brown CLAY LOAM --FILL--		2	4 4 4	2.00 P	14				12	10 15 13	NP	16
692.5	Medium dense, brown CRUSHED STONE --FILL--		3	5 6 10	NP	8				13	14 26 14	NP	17
690.0	Loose, brown LOAM w/some gravel		4	3 4 4	NP	12				14	2 4 6	1.97 B	16
687.5	Medium dense to dense, brown, medium to coarse SAND w/some gravel		5	5 5 6	NP	9				15	2 3 18	NP	11
681.0	Stiff, gray CLAY LOAM w/trace gravel		6	6 6 10	NP	12				16			
677.5	Very stiff, gray CLAY LOAM w/some gravel		9	4 7 10	3.53 B	13				17			
672.5	Medium dense, gray, weathered DOLOMITE --WEATHERED BEDROCK-- --AUGER REFUSAL @ 4645 FEET--		15	4 4 7						18			
652.0	Fair, gray DOLOMITE --BEDROCK-- --RUN #1: 46 - 51 FEET-- --REC=100%-- --RQD=72%--		16	4 4 7						19			

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	07-21-2009	Complete Drilling	07-21-2009	White Drilling	11.50 ft
Drilling Contractor	WTS	Drill Rig	Mobile B-57	At Completion of Drilling	WASHED
Driller	J&K	Logger	B. Wilson	Time After Drilling	NA
Checked by	S. Sugianto	Drilling Method	4.25 ID HSA; Boring Backfilled Upon Completion	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
647.0	Excellent, gray DOLOMITE --BEDROCK-- --RUN #2: 51 - 56 FEET-- --REC=100%-- --RQD=92%--												
642.0	Boring terminated at 56.00 ft												

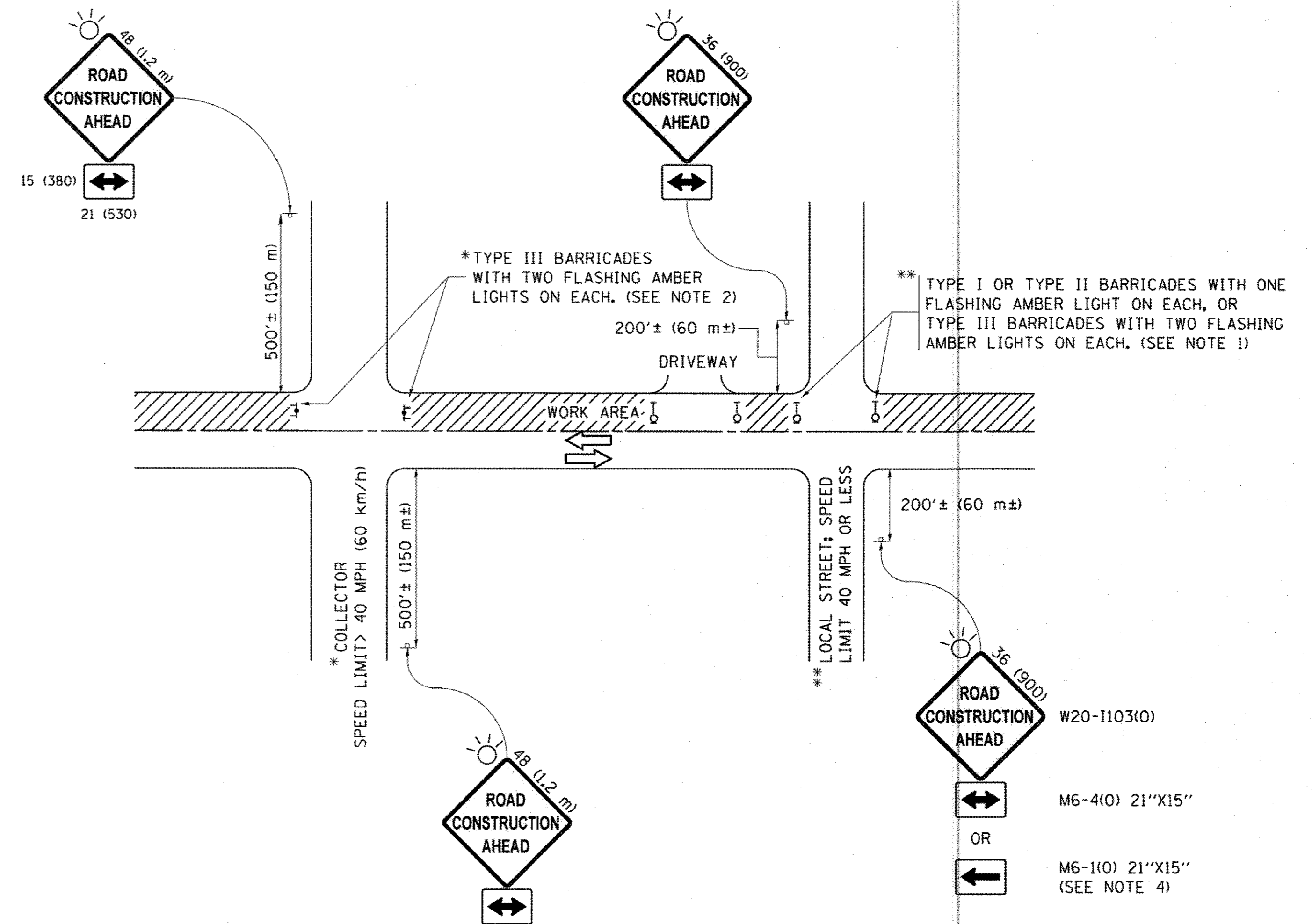
GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	07-21-2009	Complete Drilling	07-21-2009	White Drilling	11.50 ft
Drilling Contractor	WTS	Drill Rig	Mobile B-57	At Completion of Drilling	WASHED
Driller	J&K	Logger	B. Wilson	Time After Drilling	NA
Checked by	S. Sugianto	Drilling Method	4.25 ID HSA; Boring Backfilled Upon Completion	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					





PLAN	REVISIONS	DATE
NOTE BOOK NO.	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	CADD FILE NAME	

PROFILE	REVISIONS	DATE
NOTE BOOK NO.	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	CADD FILE NAME	



**NOTES:**

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME =	USER NAME = footomj	DESIGNED = L.H.A.	REVISED = A. HOUSEH 10-15-96
pw:\IL084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\District 1\CAAD\CAADData\CAADsheets\tci0.dgn		ORIGINATOR = T. RAMMACHER 01-06-00	REVISED = T. RAMMACHER 01-06-00
Default	PLOT SCALE = 50.000' / in.	CHECKED =	REVISED = A. SCHUETZE 07-01-13
	PLOT DATE = 9/15/2016	DATE = 06-89	REVISED = A. SCHUETZE 09-15-16

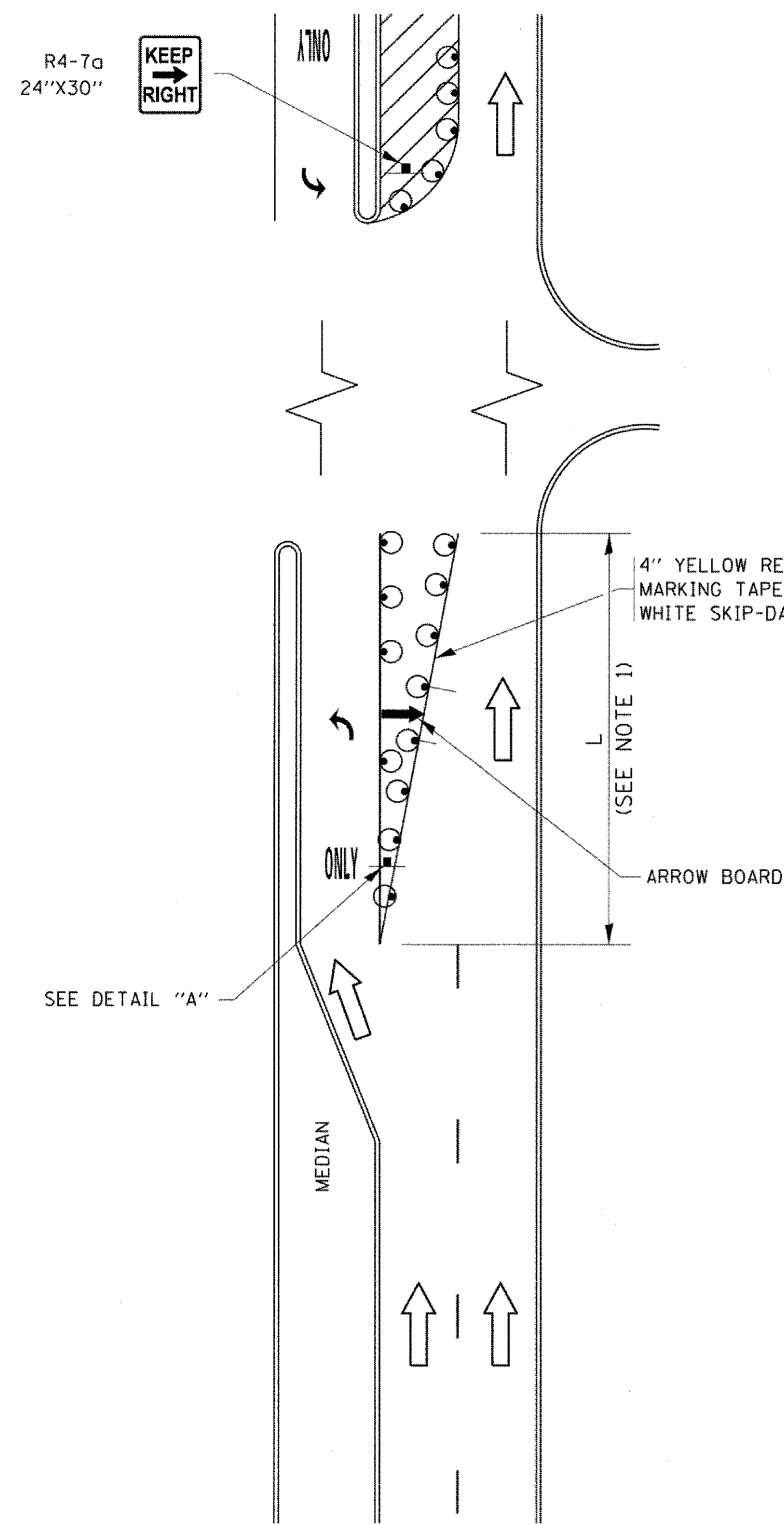
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	II-00033-00-LS	DuPage	64	64
TC-10			CONTRACT NO. 6ID93	
ILLINOIS FED. AID PROJECT				

# TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



**FIGURE 1**

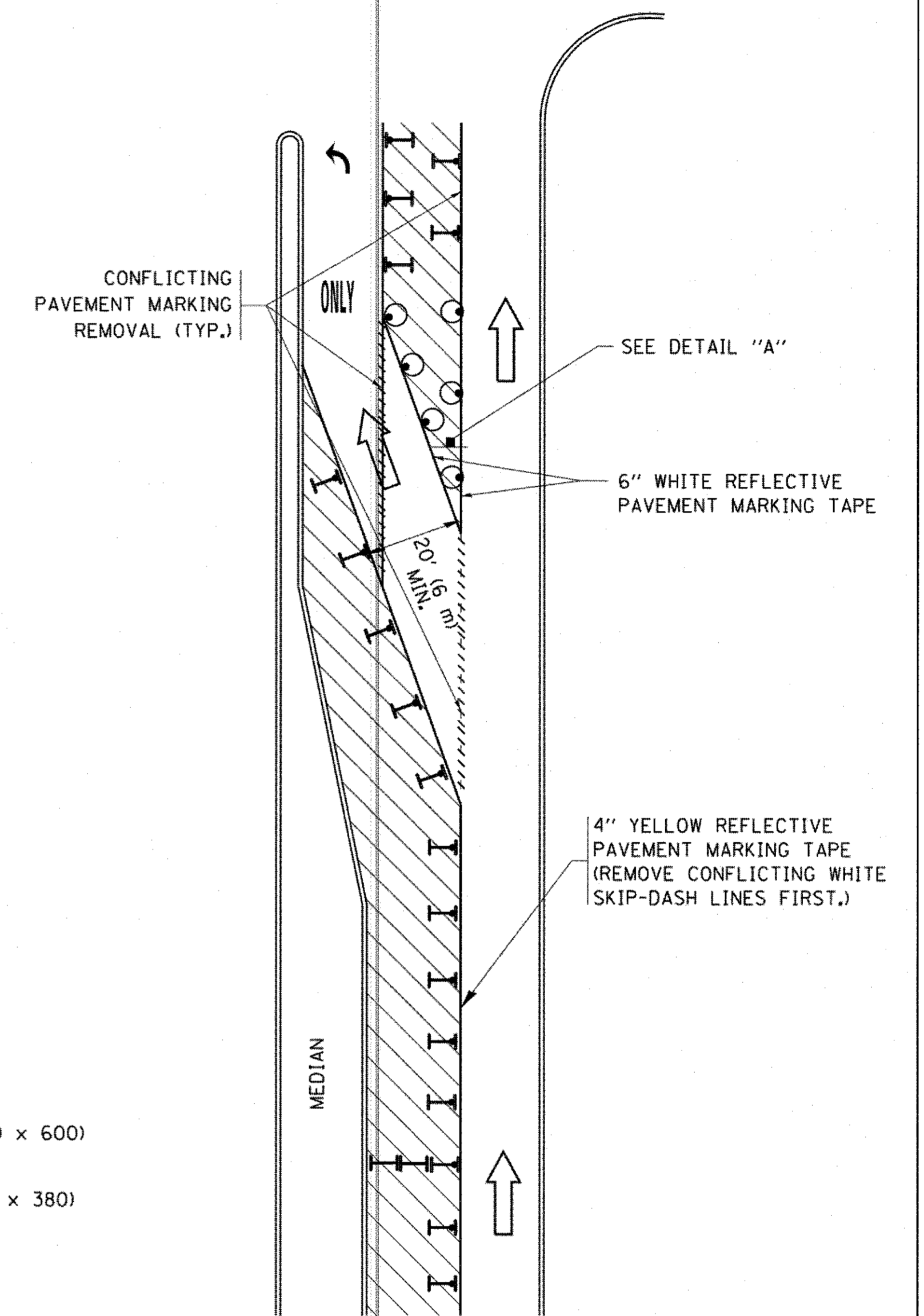
## LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

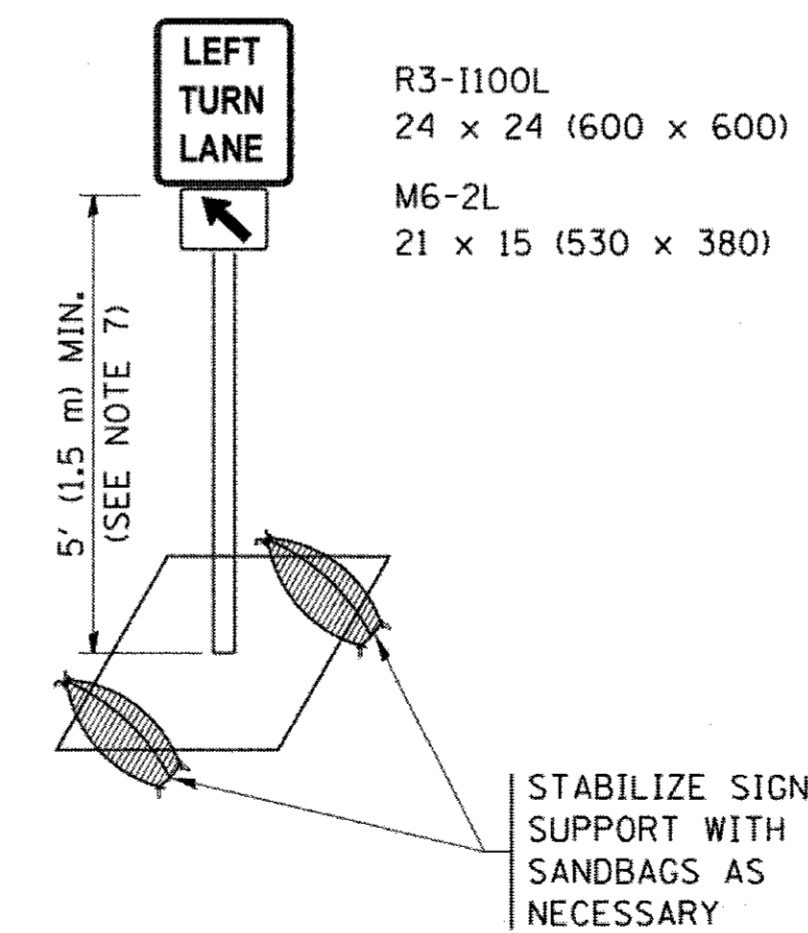
### NOTES:

1. A) WHEN "L" IS  $\leq$  THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.  
B) WHEN "L" IS  $>$  THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

# TURN BAY ENTRANCE WITHIN A LANE CLOSURE



**FIGURE 2**



**DETAIL A**

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

DATE	
BY	
REVISIONS	
PLANNING	
DESIGN	
CONSTRUCTION	
OPERATION	
MAINTENANCE	
NO.	

DATE	
BY	
REVISIONS	
PLANNING	
DESIGN	
CONSTRUCTION	
OPERATION	
MAINTENANCE	
NO.	

FILE NAME: H:\Warrenville\40416\FD Butterfield Road Lighting and Beautification ITP\CAAD\140416\FD Details.dwg



USER NAME = kkolodziejczyk	DESIGNED -- KK	REVISIONS --
PLLOT SCALE = \$SCALE\$	DRAWN -- CF	REVISIONS --
PLLOT DATE = 6/9/2017	CHECKED -- JM	REVISIONS --
	DATE -- 05-08-2017	REVISIONS --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS  
(TO REMAIN OPEN TO TRAFFIC)

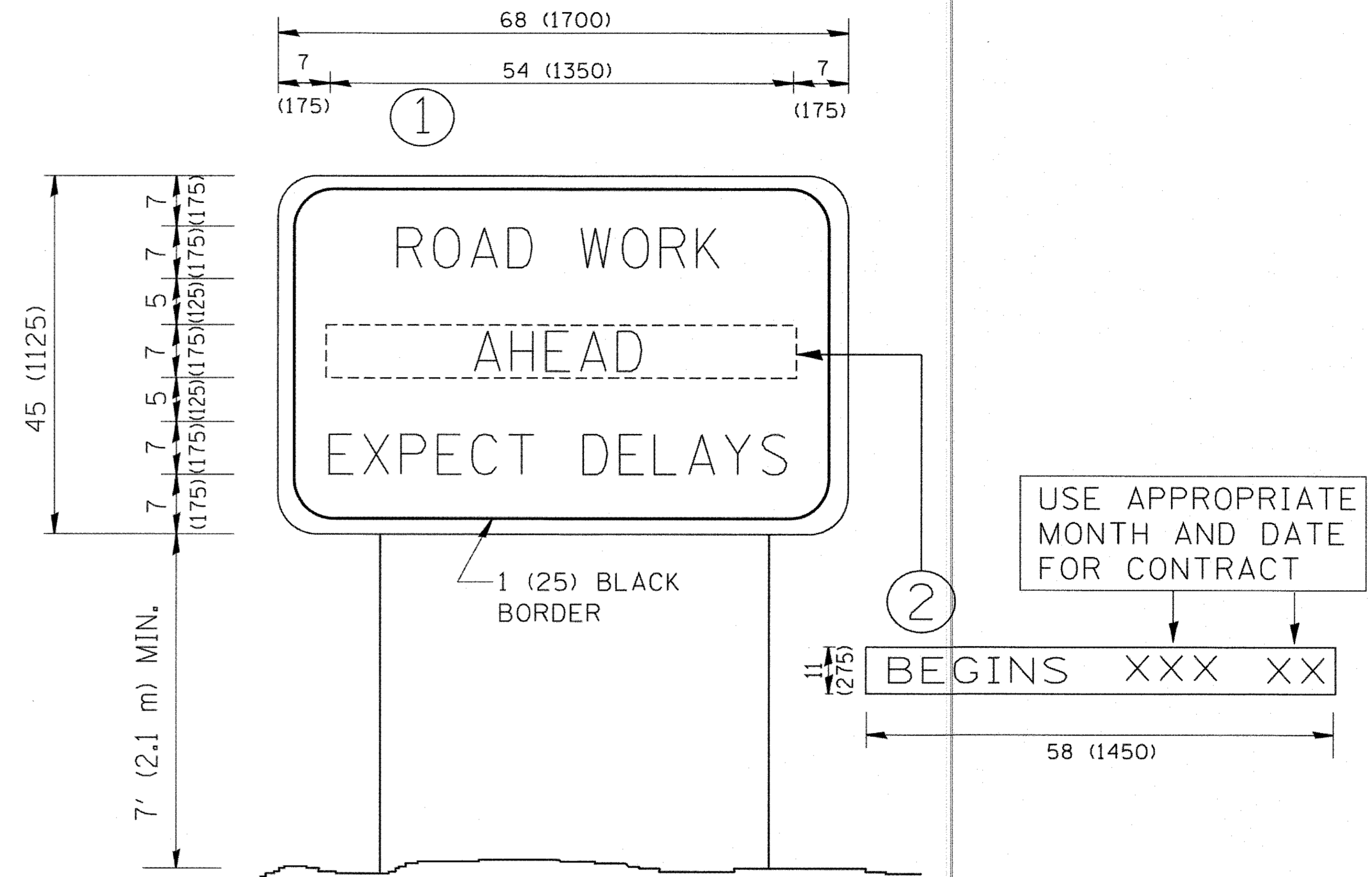
SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DuPage	64	64A
TC-14			CONTRACT NO. 61D93	
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	DATE	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	DATE	
	NO.	
	FILE NAME	

FILE NAME: H:\Warrenville\40416.PD Butterfield Road Lighting  
 and Recalculation: I:\E:\CADD\140416.PD Details.dwg



**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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



USER NAME = kkolodziejczyk	DESIGNED -- KK	REVISED --
	DRAWN -- CF	REVISED --
PLOT SCALE = \$SCALE\$	CHECKED -- JM	REVISED --
PLOT DATE = 6/9/2017	DATE -- 05-08-2017	REVISED --

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
365	11-00033-00-LS	DuPage	64	64B
TC-22		CONTRACT NO. 61D93		
FED. ROAD DIST. NO. ... ILLINOIS FED. AID PROJECT				