FOR INFORMATION ONLY

DRAWER (3A)

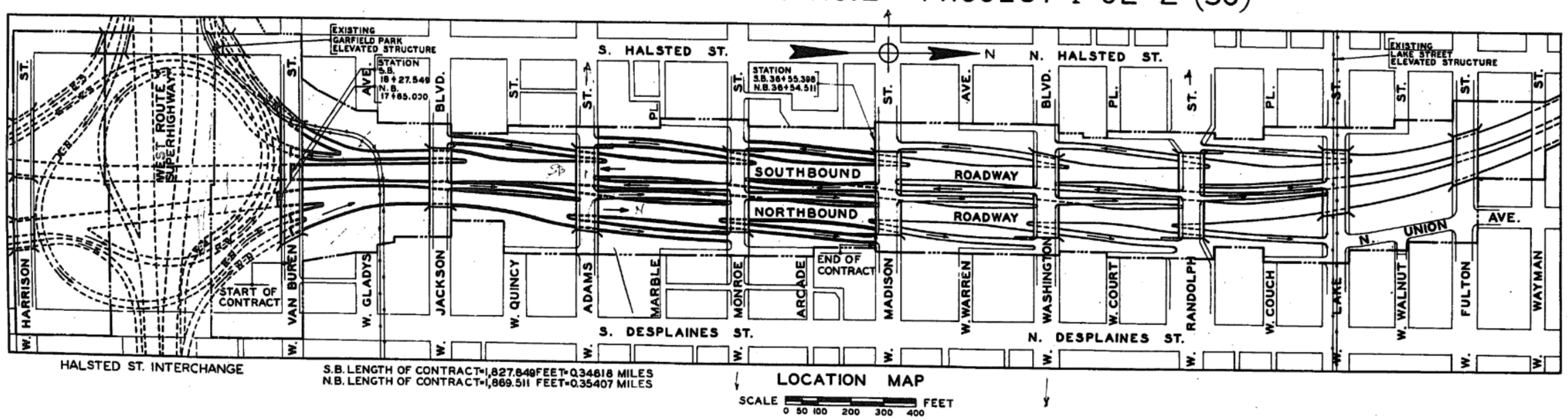
F.A.I. 2	0101.6-2P	COOK	108	1
	4		PROJECT I-02-2(50)	

STATE OF ILLINOIS
CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

PLANS FOR GRADING AND PAVING
W. VAN BUREN STREET TO W. MADISON STREET
SECTION 0101.6-2P

F.A.I. ROUTE NO. 2 PROJECT I-02-2 (50)



APPROVED AS TO SEWER ALTERATIONS AND ADDITIONS:-

R. J. Schabmayer
CHIEF ENGINEER OF SEWERS

Thos D. Adney
DEPUTY FOR SEWERS

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
DATE MAY 2, 1957

APPROVED Edward L. Reiter
CHIEF SUBWAY AND SUPERHIGHWAY ENGINEER

APPROVED W. E. Rasmussen
ASS'T. CHIEF ENGINEER

APPROVED Dick Van Gorp
CHIEF ENGINEER

APPROVED [illegible]
COMMISSIONER

THE DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

APPROVED [redacted] 19 [redacted]
CHIEF HIGHWAY ENGINEER

APPROVED [redacted] 19 [redacted]

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED
[redacted] 19 [redacted]
DISTRICT ENGINEER DATE

APRIL 1957
SHEET NO. G-1 OF 108 SHEETS

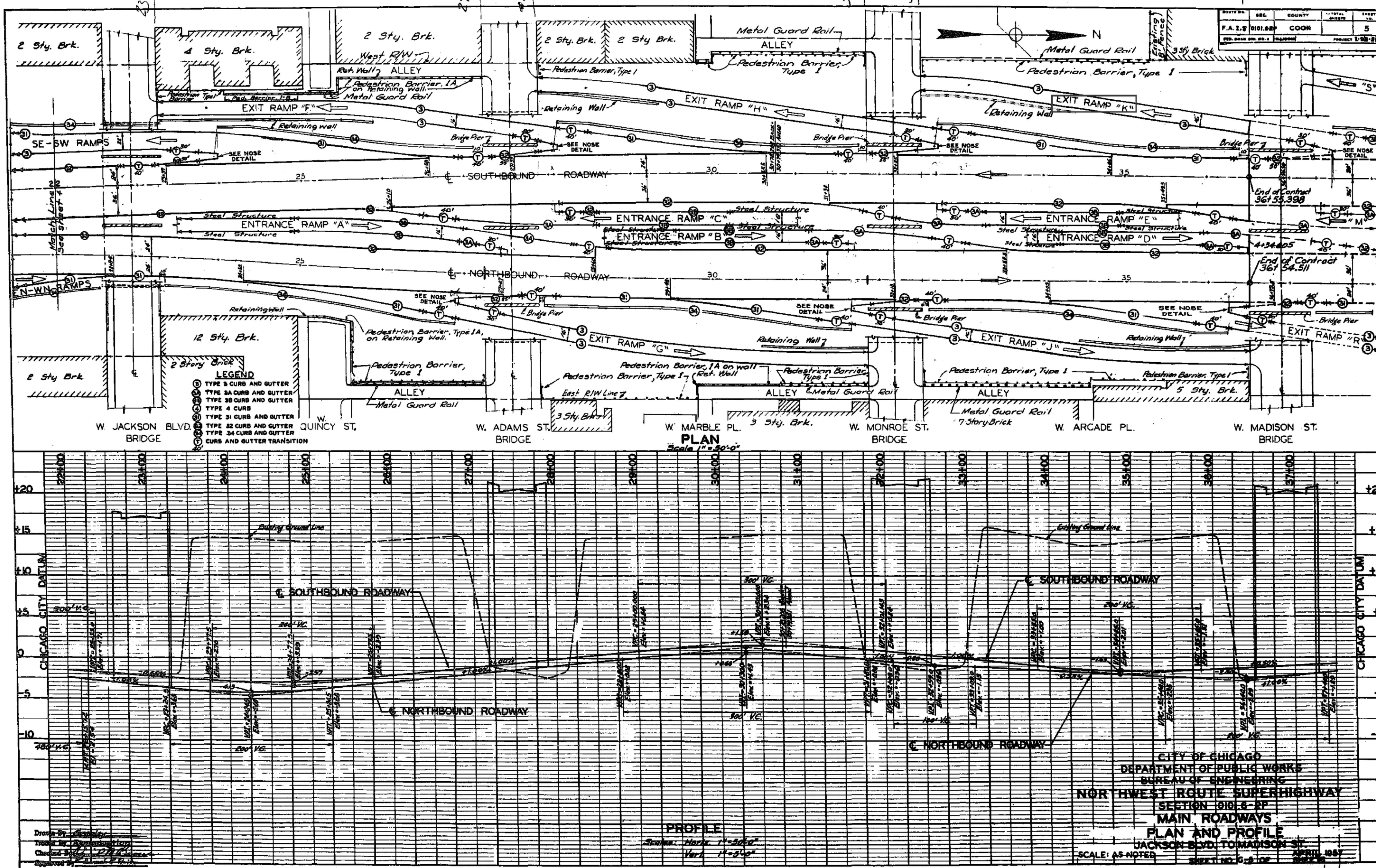
HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING RECORD DRAWINGS STRUCTURE NO. 016-1189
	CHECKED - MI, JJS	REVISED -		
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -		
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -		SHEET NOAS3-01 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	901
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

10:16:27 AM

FOR INFORMATION ONLY



HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -
	CHECKED - MI, JJS	REVISED -
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189

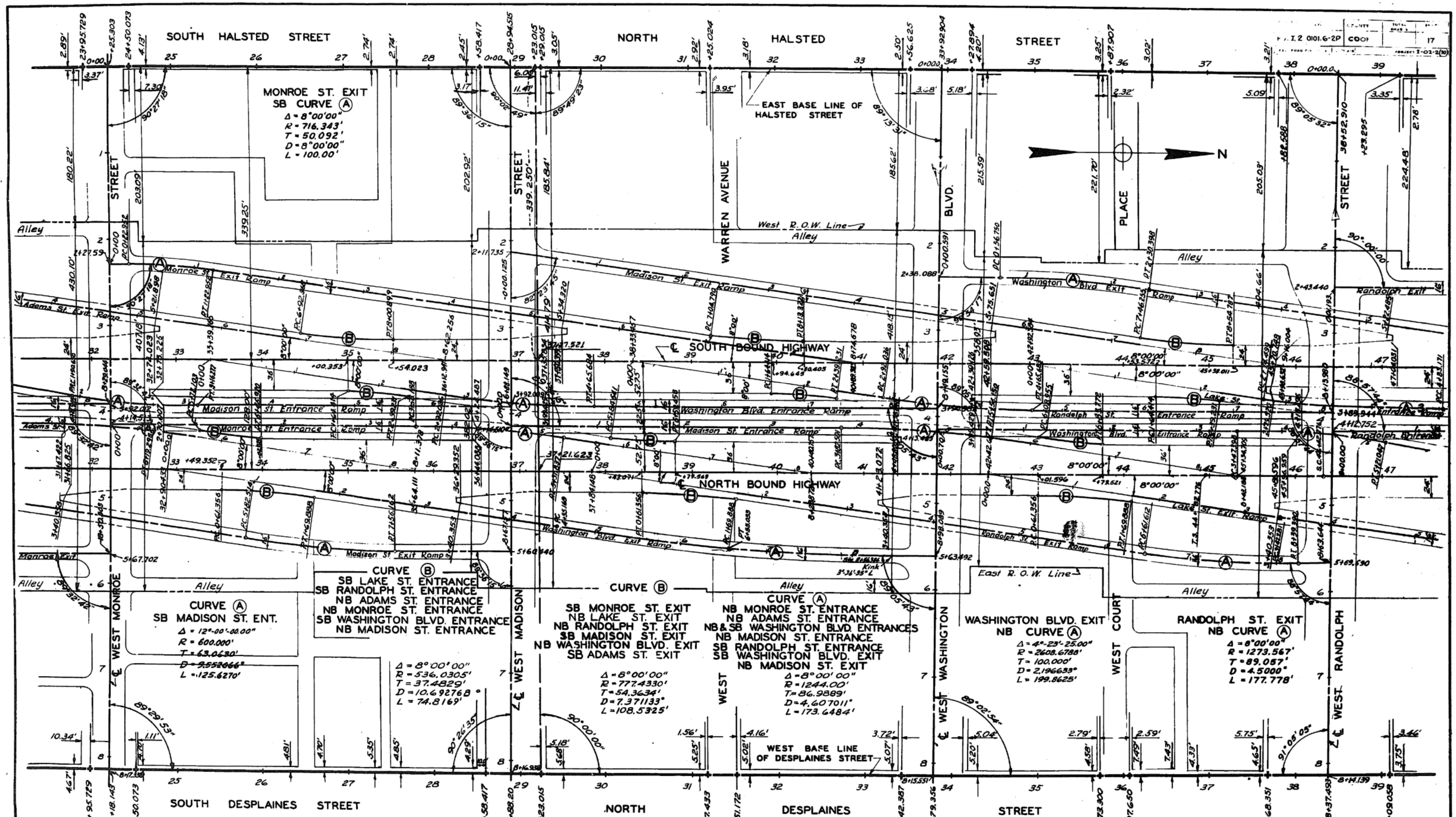
SHEET NO. AS3-02 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	902
		CONTRACT NO. 62A77		
		ILLINOIS	FED. AID PROJECT	

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS302

10:16:41 AM

FOR INFORMATION ONLY



Note: The chainage on the northbound roadway on the parallel tangents from the P.T. of Monroe St. to the T.S. at Randolph St. is equal to the chainage of the southbound roadway.

Note: Base Lines plotted from Field Book NW-#1. Ties to crosses on Base Lines are to buildings. See Folders NW-8 and NW-10 for alignment computations. See Bridge Location Plans for intersection angles and stations of upper and lower roadways. Dimensions of roadways are from edge to edge of pavement.

DESIGNED BY E.L. Reiter & G.C. Gerth
DRAWN BY H.J. Hawry
TRACED BY R.N. Jensen
CHECKED BY G.C. Gerth & E.L. Reiter
APPROVED BY [signature]

		REVISIONS	
5-10-56	N.B. Lake St. Exit Ramp	1-8-53	Chainage on Ramps
6-8-56	Exit Ramp Stationing Revised	4-7-53	Washington St. ℄
10-1-56	SB Madison Entrance Ramp Rev. NB Washington Exit Ramp Rev.	4-13-53	Randolph St. ℄
		5-26-53	Stations, Madison St. ℄
		3-9-54	All stationing and curve data checked and corrected.

Scale: 1" = 50.0'
0' 25' 50' 100'

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
NORTHWEST ROUTE SUPERHIGHWAY
SECTION 0101.6-2P

ALIGNMENT PLAN
MONROE ST. TO RANDOLPH ST.
SCALE: AS NOTED APRIL 1957
SHEET NO. C-17 OF SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	903
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

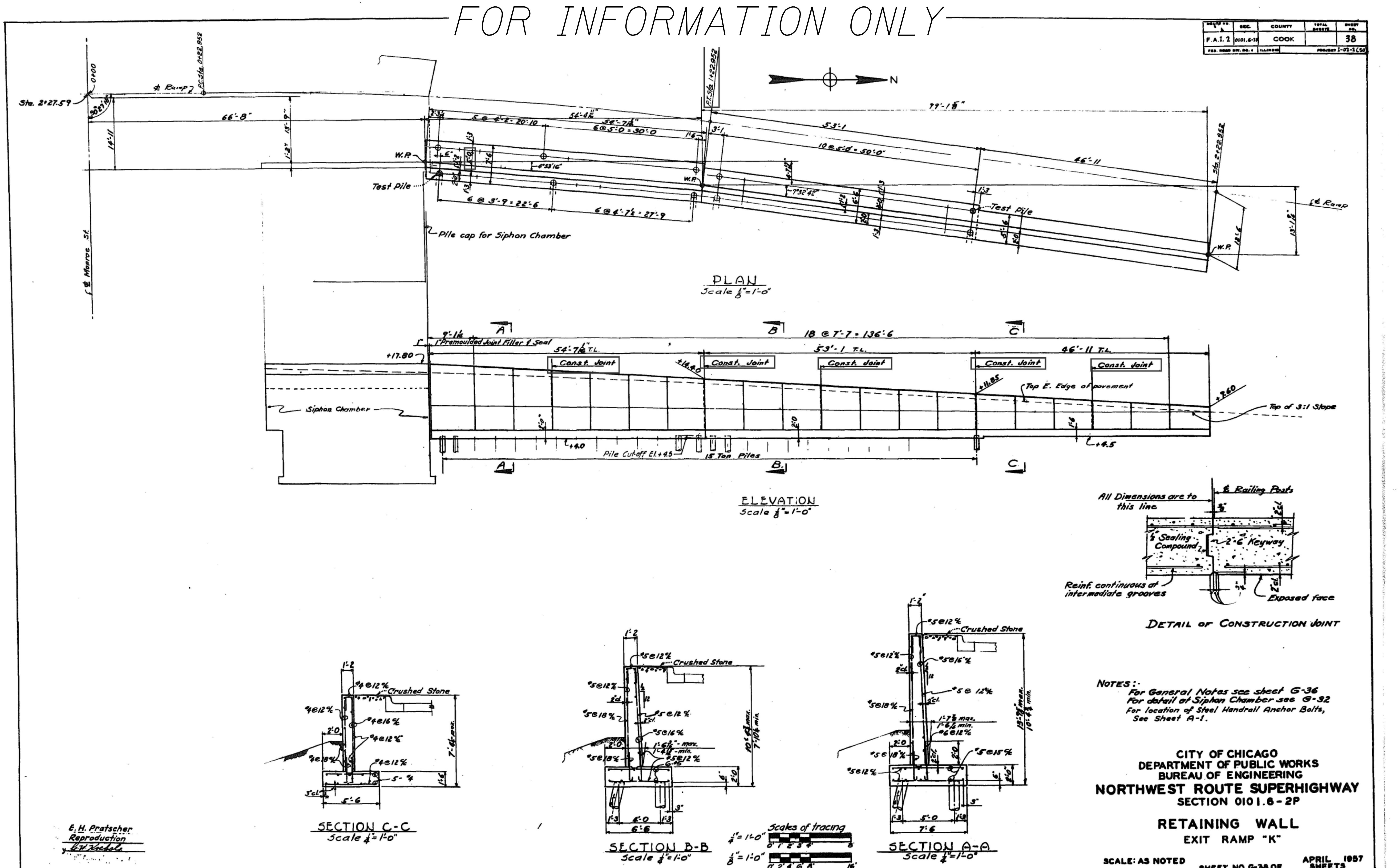
HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -
	CHECKED - MI, JJS	REVISED -
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189
SHEET NO. AS3-03 OF AS3-42 SHEETS

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS303
10:16:54 AM

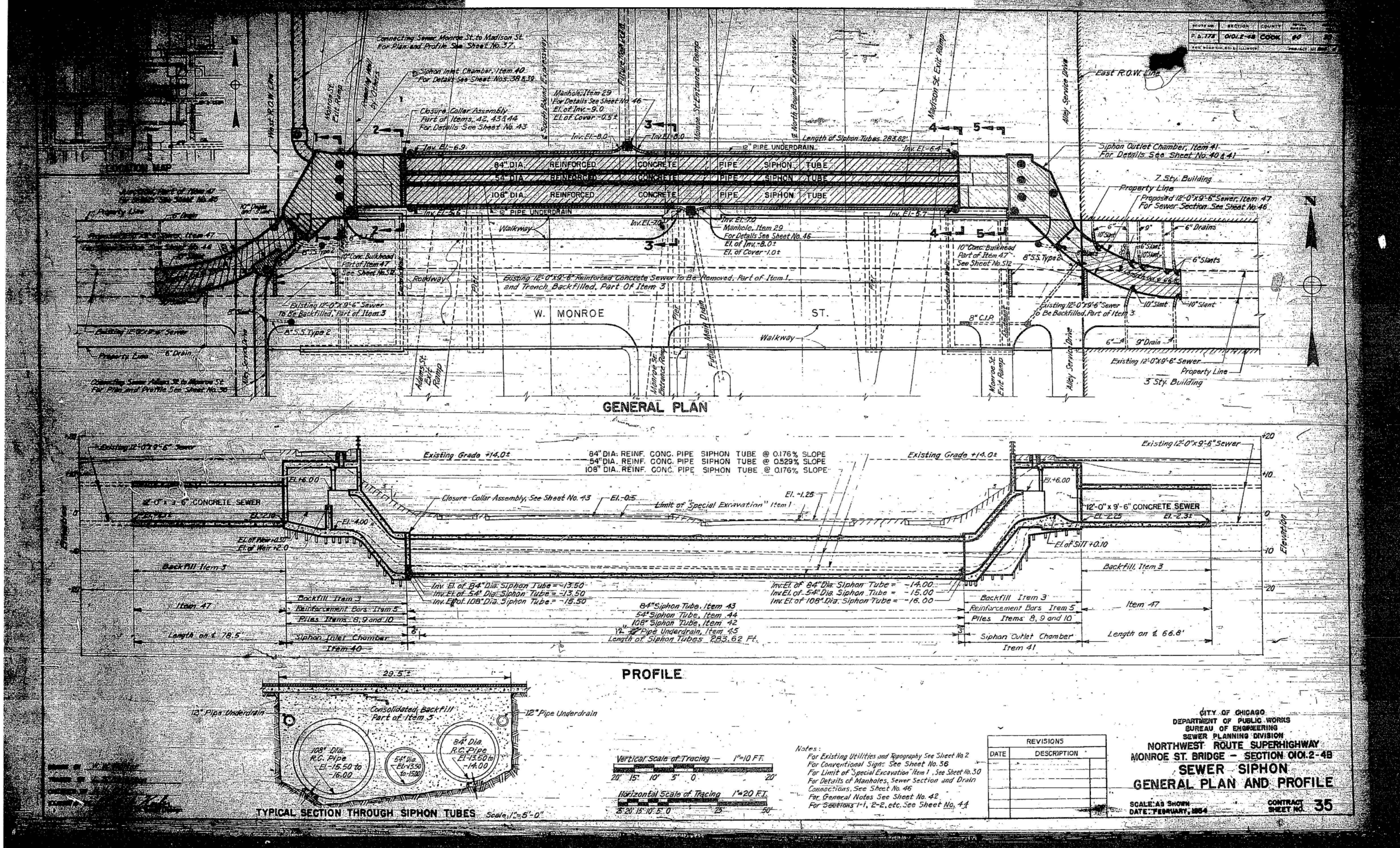


HBM ENGINEERING GROUP, LLC	USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING RECORD DRAWINGS STRUCTURE NO. 016-1189	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - MI, JJS	REVISED -			90/94/290	2015-018R	COOK	1360	904
	PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -			CONTRACT NO. 62A77				
	PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -		SHEET NO. AS3-04 OF AS3-42 SHEETS		ILLINOIS	FED. AID PROJECT		

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS304

10:17:08 AM

FOR INFORMATION ONLY



USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING RECORD DRAWINGS STRUCTURE NO. 016-1189
	CHECKED - MI, JJS	REVISED -		
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -		
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -		SHEET NO. AS3-05 OF AS3-42 SHEETS

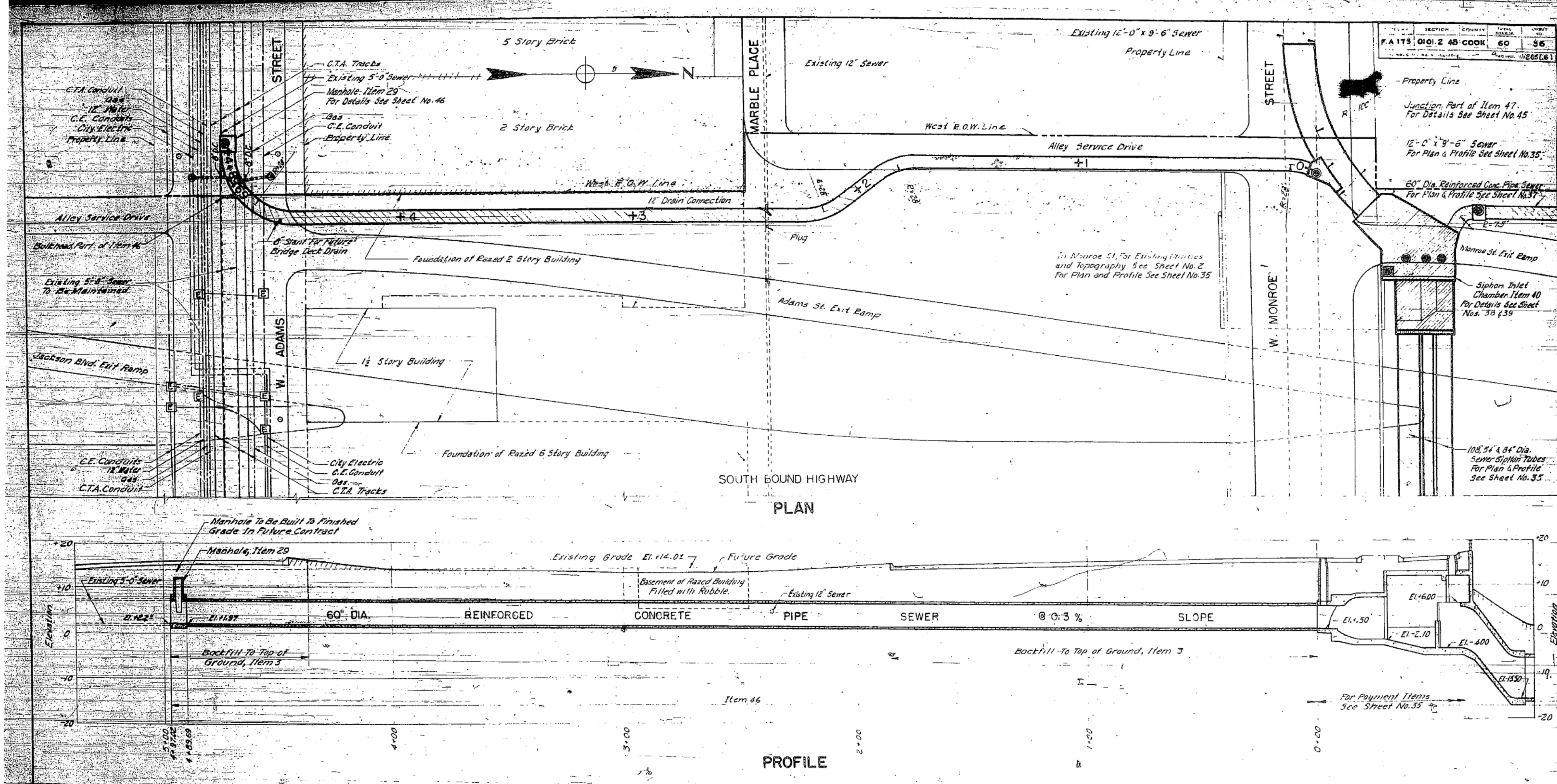
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	905
		CONTRACT NO. 62A77		
		ILLINOIS FED. AID PROJECT		

HBM ENGINEERING GROUP, LLC

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS305

10:17:23 AM

FOR INFORMATION ONLY



CONVENTIONAL SIGNS

FOR INDICATING PROPOSED WORK	FOR INDICATING EXISTING UTILITIES
Sewer	City Sewer and Manhole
Manhole	City Water and Manholes
Catch Basin	City Electricity and Manholes
Inlet	C.E. Conduit and Manholes
Drain Connection	C.T.A. Conduit and Manholes
Slant	Gas Line and Manholes
Bulkhead	I.B.T. Conduit and Manholes
Plug	C.T.A. Tracks
	Catch Basin
	Trolley and Light Pole

Vertical Scale of Tracing 1" = 10 FT.

Horizontal Scale of Tracing 1" = 20 FT.

Notes
For General Notes See Sheet No. 42
For Details of Manholes and Drain Connections See Sheet No. 46
For Existing Utilities in Monroe St. See Sheet No. 2

REVISIONS

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SEWER PLANNING DIVISION
NORTHWEST ROUTE SUPERHIGHWAY
MONROE ST. BRIDGE — SECTION 0101.2-4B

CONNECTING SEWER
ADAMS ST TO MONROE ST.
PLAN AND PROFILE

SCALE AS SHOWN
DATE: FEBRUARY, 1954

CONTRACT SHEET NO. 36

DRAWN BY L. S. ...
TRACED BY ...
CHECKED BY ...
EXAMINED BY ...

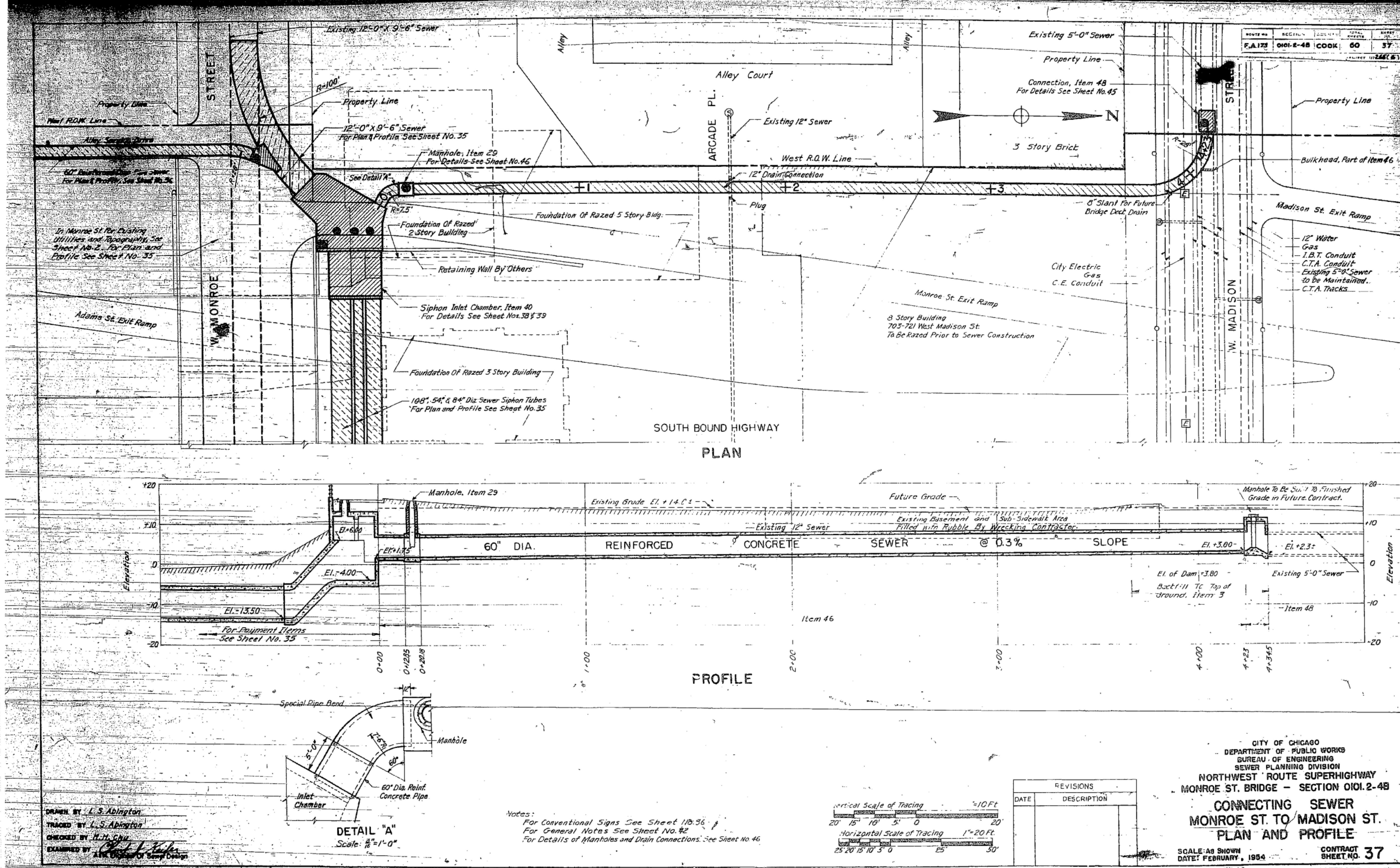
HBM ENGINEERING GROUP, LLC	USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING RECORD DRAWINGS STRUCTURE NO. 016-1189
		CHECKED - MI, JJS	REVISED -		
	PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -		
	PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -		SHEET NO. AS3-06 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	906
		CONTRACT NO. 62A77		
		ILLINOIS	FED. AID PROJECT	

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS306

10:17:37 AM

FOR INFORMATION ONLY



DRAWN BY L. S. Abington
TRACED BY L. S. Abington
CHECKED BY H. H. Chu
EXAMINED BY ... Asst. Engineer of Sewer Design

Notes:
For Conventional Signs See Sheet 118.36
For General Notes See Sheet No. 42
For Details of Manholes and Drain Connections See Sheet No. 46

Vertical Scale of Tracing 1"=10 Ft.
20' 15' 10' 5' 0 20'
Horizontal Scale of Tracing 1"=20 Ft.
25 20 15 10 5 0 25' 50'

REVISIONS	
DATE	DESCRIPTION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 175	0101.2-48	COOK	60	37

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SEWER PLANNING DIVISION
NORTHWEST ROUTE SUPERHIGHWAY
MONROE ST. BRIDGE – SECTION 0101.2-48
CONNECTING SEWER
MONROE ST. TO MADISON ST.
PLAN AND PROFILE
SCALE: AS SHOWN
DATE: FEBRUARY, 1954
CONTRACT SHEET NO. 37

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	
	CHECKED - MI, JJS	REVISED -	
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -	
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -	

HBM ENGINEERING GROUP, LLC

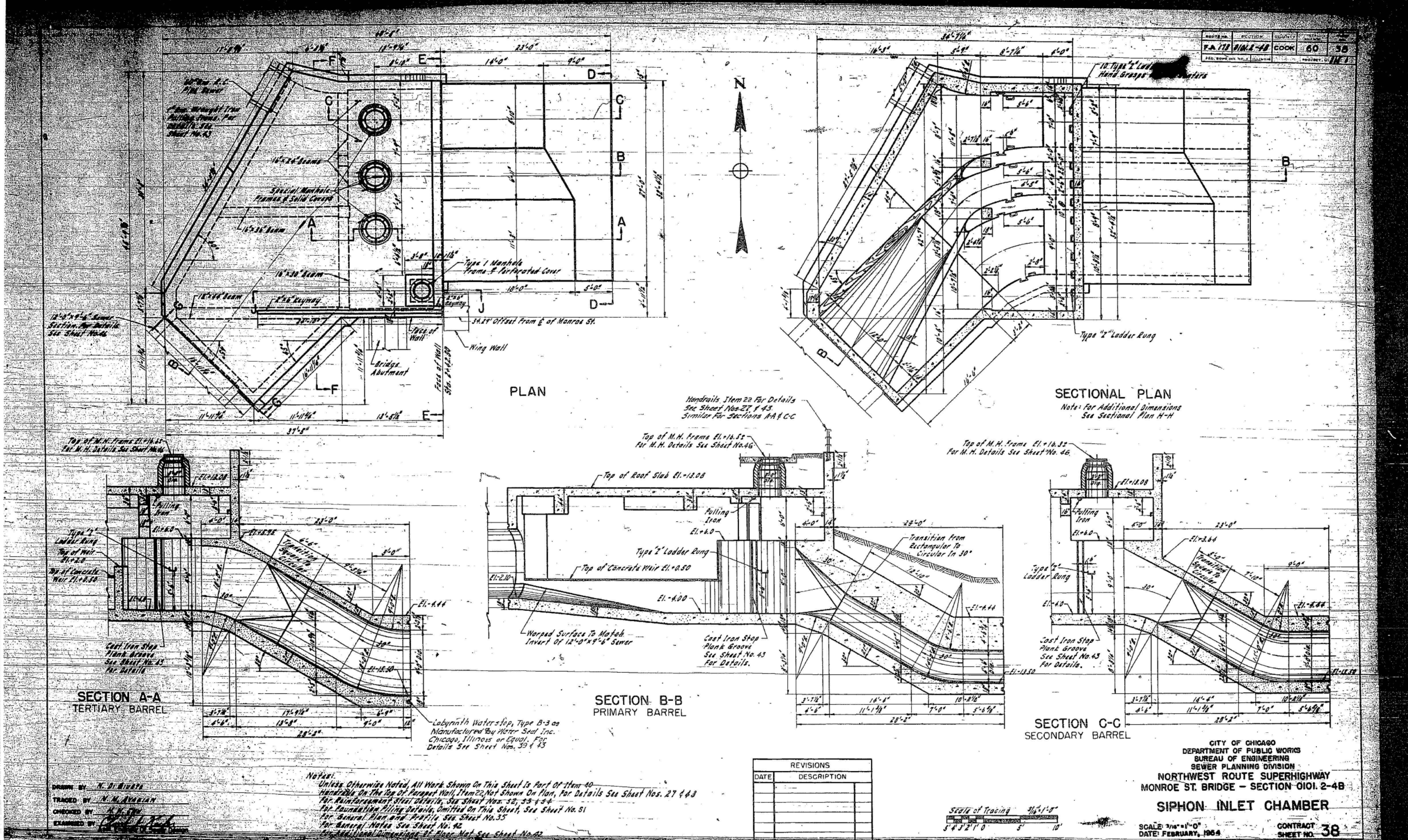
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189
SHEET NO. AS3-07 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	907
CONTRACT NO. 62A77				
ILLINOIS	FED. AID PROJECT			

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS307
10:17:52 AM

FOR INFORMATION ONLY



FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS308

HBM ENGINEERING GROUP, LLC

USER NAME =	ahmad.issa	DESIGNED -	MAA,JMI	REVISED -	
		CHECKED -	MI, JJS	REVISED -	
PLOT SCALE =	N.T.S	DRAWN -	MAA,JMI	REVISED -	
PLOT DATE =	1/31/2020	CHECKED -	MI, JJS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

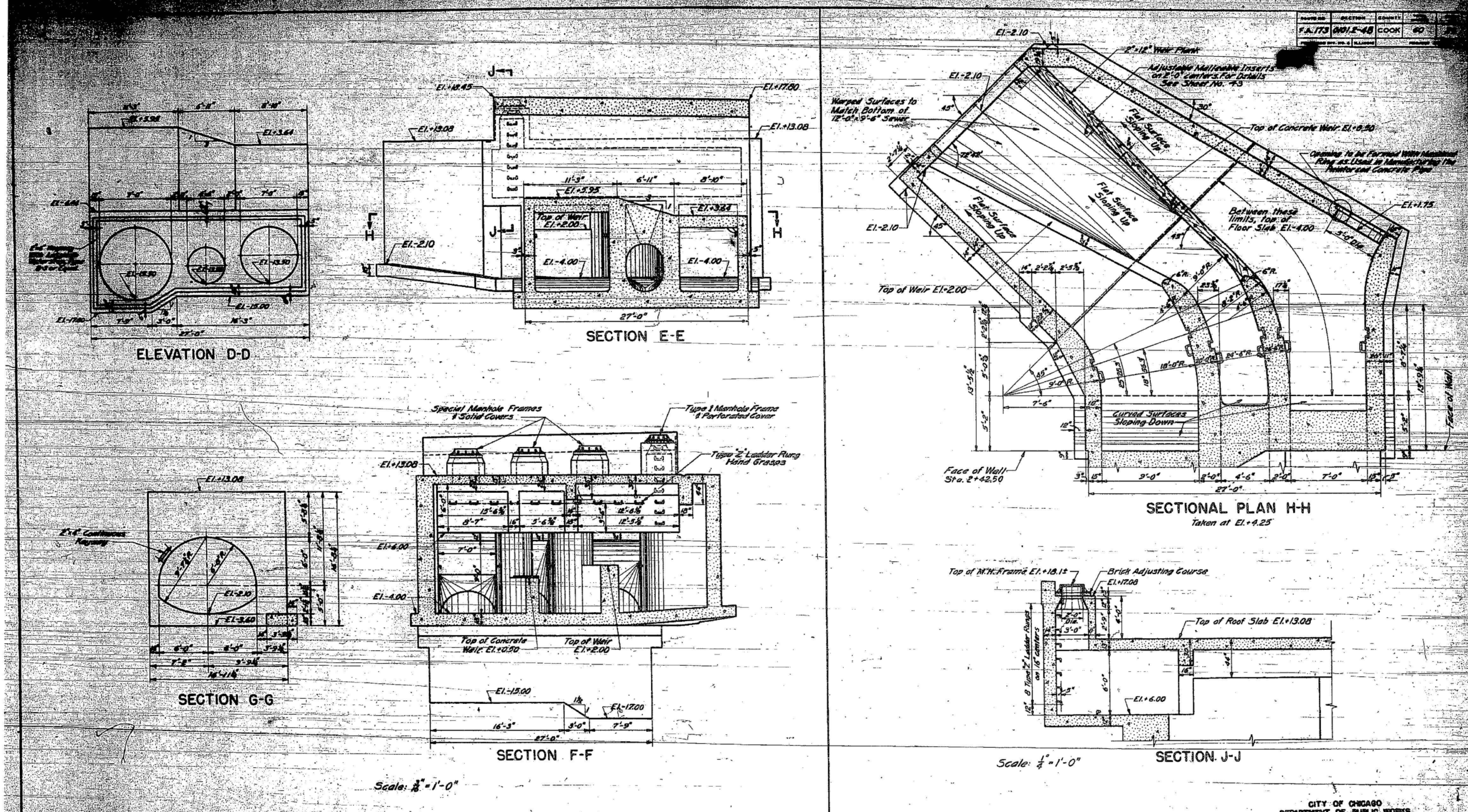
EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189

SHEET NO. AS3-08 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	908
		CONTRACT NO. 62A77		
	ILLINOIS	FED. AID PROJECT		

10:18:06 AM

FOR INFORMATION ONLY



Scale: 1/8" = 1'-0"

Notes:
- Unless Otherwise Noted, All Work Shown On This Sheet Is Part Of Item 40
- Handrails On The Top Of Parapet Wall, Item 22, Not Shown, For Details See Sheet Nos. 27 & 43
- For Reinforcement Steel Details See Sheet Nos. S2, S3, & S4
- For Foundation Piling Details, Omitted on This Sheet, See Sheet No. S1
- For General Plan and Profile See Sheet No. 35
- For General Notes See Sheet No. 42
- For Additional Dimensions of Floor Mat See Sheet No. 42

Drawn by N. Di Giusto
Traced by E. Roussin Jr.
Checked by W. H. Cox

REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SEWER PLANNING DIVISION
NORTHWEST ROUTE SUPERHIGHWAY
MONROE ST. BRIDGE — SECTION 0101.2-48
SIPHON INLET CHAMBER SECTIONS
SCALE: As Shown
DATE: FEBRUARY, 1954
CONTRACT SHEET NO. 39

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -
	CHECKED - MI, JJS	REVISED -
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189

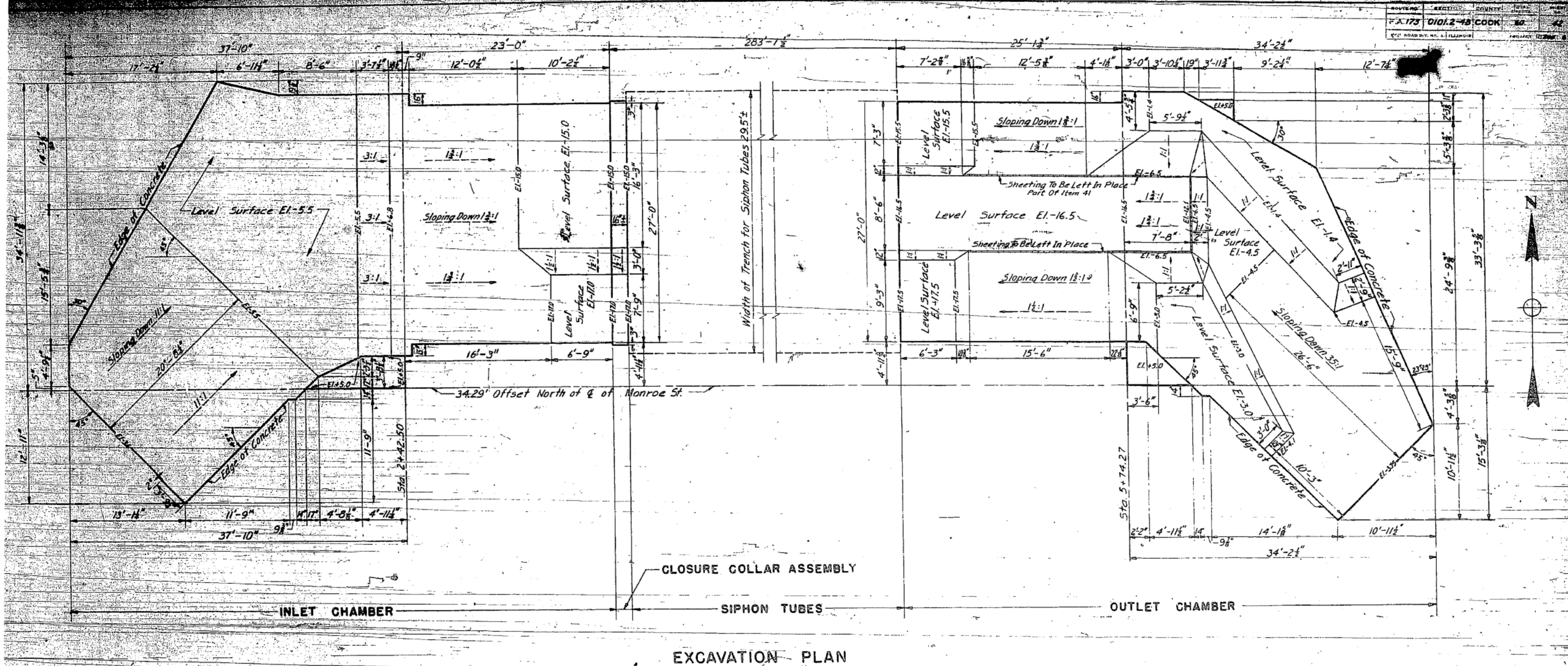
SHEET NO. AS3-09 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	909

CONTRACT NO. 62A77
ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 173	0101.2-4B	COOK	80	42



EXCAVATION PLAN

General Notes For Sewer Siphon:

The Location And Sizes of The Conduits, Pipes, Manholes And Other Sub-Surface Utility Equipment Shown On The Plans Are Based On The Best Information Obtainable And Are Believed To Be Accurate But Cannot Be Guaranteed. Additional Abandoned Utilities May Be Encountered. For Procedure in Handling These Abandoned Utilities See Section 18 of Special Provisions (City of Chicago)

All Elevations Are Measured From Chicago City Datum.

All Concrete Shall Conform To The Requirements of Article 52 of Standard Specifications, Except That Type II Portland Cement Shall Be Used.

The New Sewers Shall Be Completed Before The Existing Sewers Are Taken out of Service.

Stop Planks for Inlet And Outlet Chambers Are Not Included in This Contract.

For Location of Piles, Keyways and Reinforcement Steel Details, See Structural Sheets Identified By The Prefix Letter S

See Special Provisions For Description of Pay Items.

DRAWN BY G. TANAKA
TRACED BY M. WILLIAMS
CHECKED BY H. PECHU
APPROVED BY [signature] Asst. Engineer of Sewer Design

Scale of Tracing 1/4" = 1'-0"

REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SEWER PLANNING DIVISION
NORTHWEST ROUTE SUPERHIGHWAY
MONROE ST. BRIDGE — SECTION 0101.2-4B

EXCAVATION PLAN FOR SEWER SIPHON

SCALE: 3/16" = 1'-0"
DATE: FEBRUARY, 1954

CONTRACT SHEET NO. 42

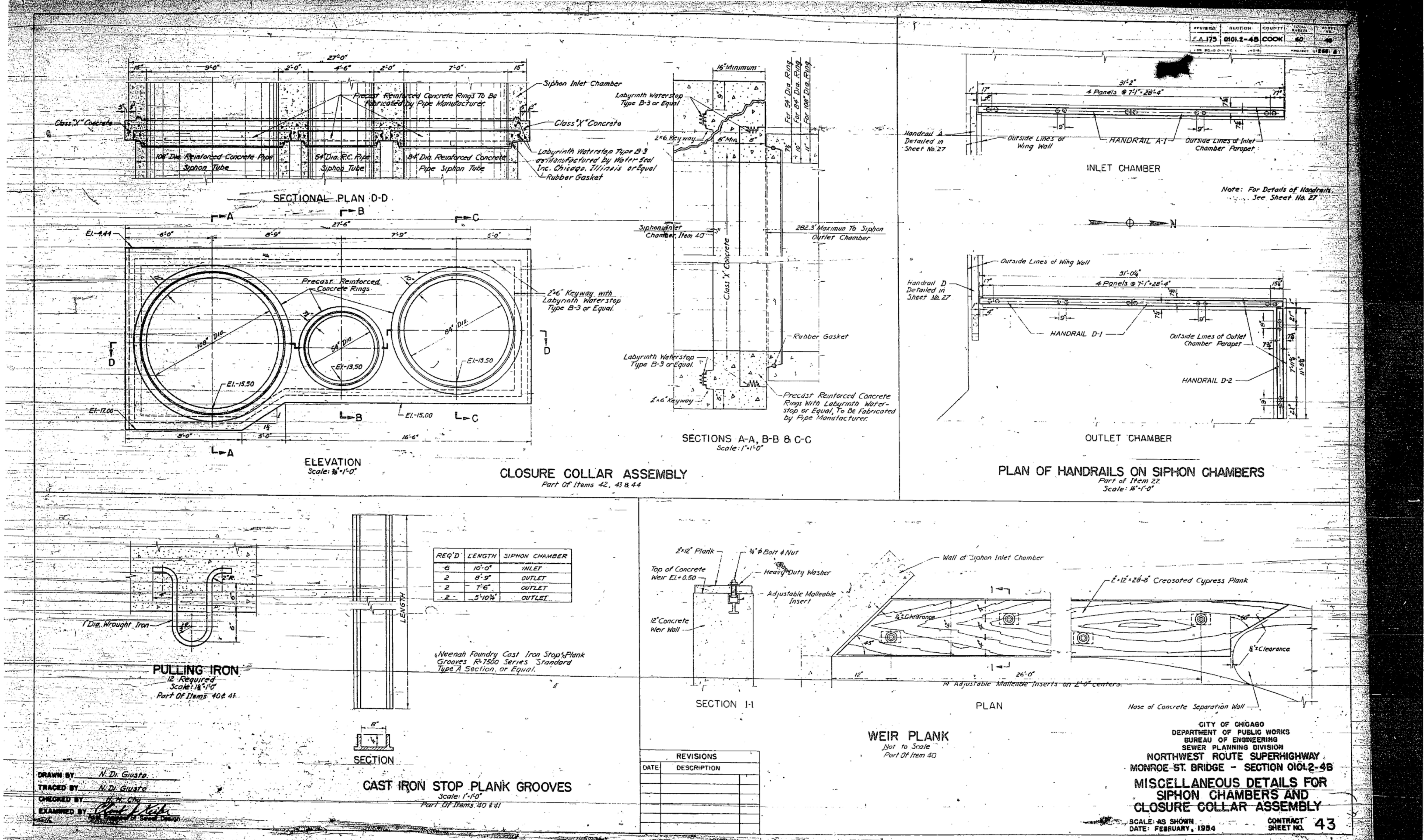
FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS310

HBM ENGINEERING GROUP, LLC	USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING RECORD DRAWINGS STRUCTURE NO. 016-1189
		CHECKED - MI, JJS	REVISED -		
	PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -		
	PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -		SHEET NO. AS3-10 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	910
		CONTRACT NO. 62A77		
		ILLINOIS	FED. AID PROJECT	

10:18:34 AM

FOR INFORMATION ONLY



REQ'D	LENGTH	SIPHON CHAMBER
6	10'-0"	INLET
2	8'-9"	OUTLET
2	7'-6"	OUTLET
2	5'-10¾"	OUTLET

REVISIONS

DATE	DESCRIPTION

DRAWN BY N. Di Giusto
TRACED BY N. Di Giusto
CHECKED BY H. H. Chu
EXAMINED BY

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SEWER PLANNING DIVISION
NORTHWEST ROUTE SUPERHIGHWAY
MONROE ST. BRIDGE - SECTION 0101.2-4B

MISCELLANEOUS DETAILS FOR SIPHON CHAMBERS AND CLOSURE COLLAR ASSEMBLY

SCALE: AS SHOWN
DATE: FEBRUARY, 1954
CONTRACT SHEET NO. 43

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS311

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	
	CHECKED - MI, JJS	REVISED -	
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -	
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -	

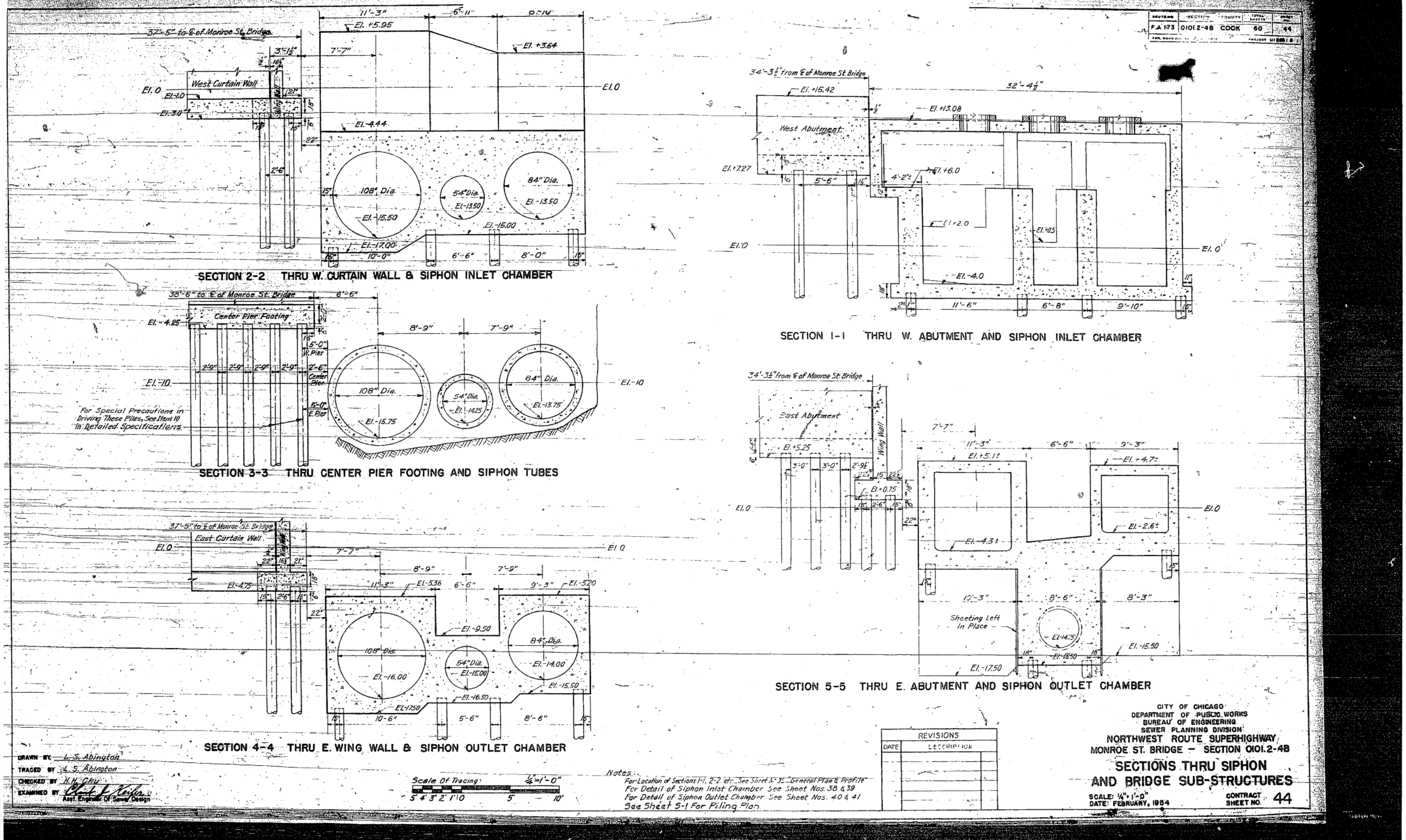
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189
SHEET NO. AS3-11 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	911
CONTRACT NO. 62A77				
ILLINOIS	FED. AID PROJECT			

10:18:49 AM

FOR INFORMATION ONLY



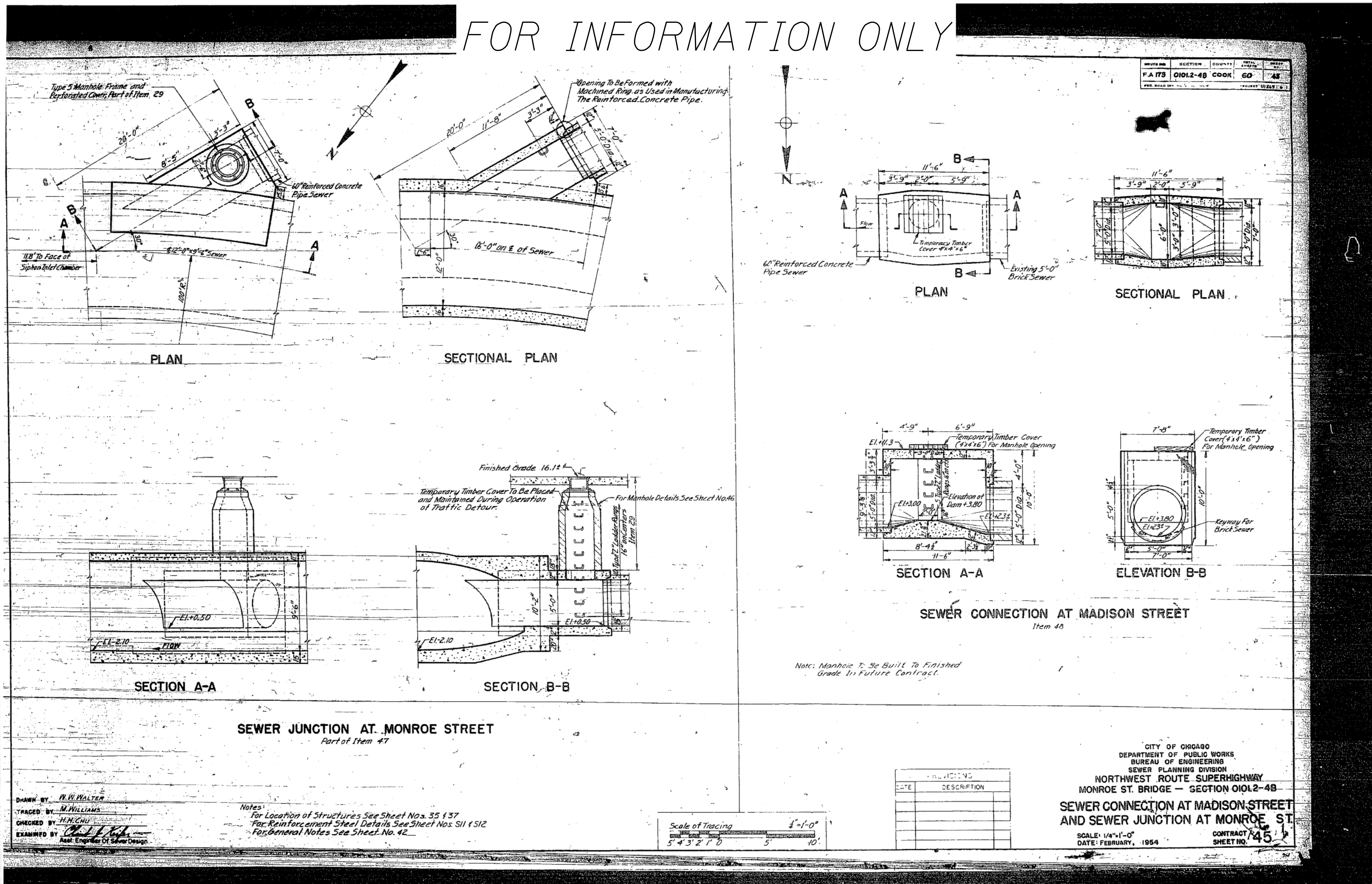
FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS312

HBM ENGINEERING GROUP, LLC	USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING RECORD DRAWINGS STRUCTURE NO. 016-1189
		CHECKED - MI, JJS	REVISED -		
	PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -		
	PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -		SHEET NO. AS3-12 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	912
		CONTRACT NO. 62A77		
	ILLINOIS	FED. AID PROJECT		

10:19:03 AM

FOR INFORMATION ONLY



HBM ENGINEERING GROUP, LLC	USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - MI, JJS	REVISED -	
	PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -	
	PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -	

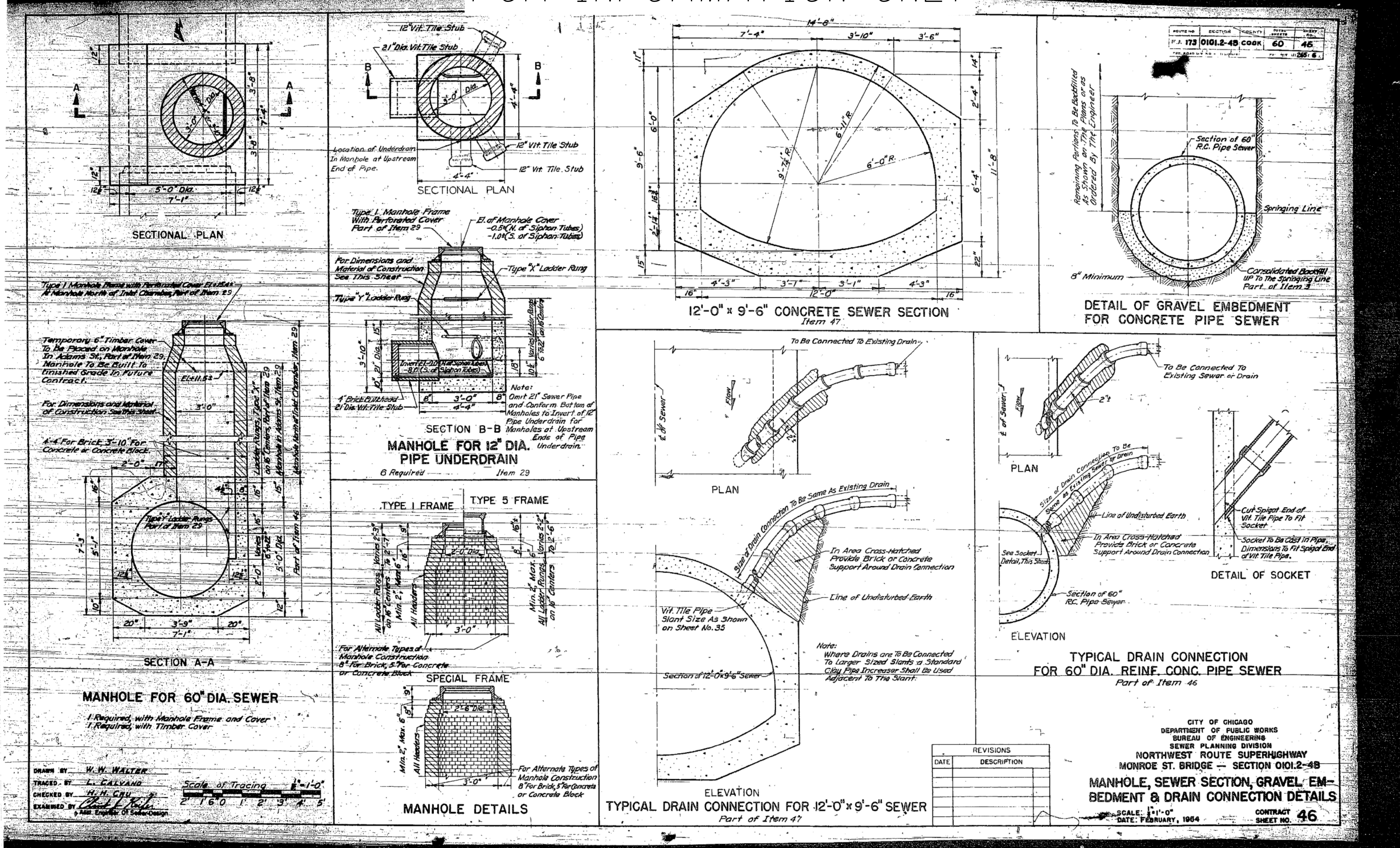
EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189
SHEET NO. AS3-13 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	913
		CONTRACT NO. 62A77		
	ILLINOIS	FED. AID PROJECT		

FILE NAME: pw:\\AECOM-NA-AWS1.aeconomline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS313

10:19:18 AM

FOR INFORMATION ONLY



HBM ENGINEERING GROUP, LLC				
USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -		
	CHECKED - MI, JJS	REVISED -		
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -		
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189

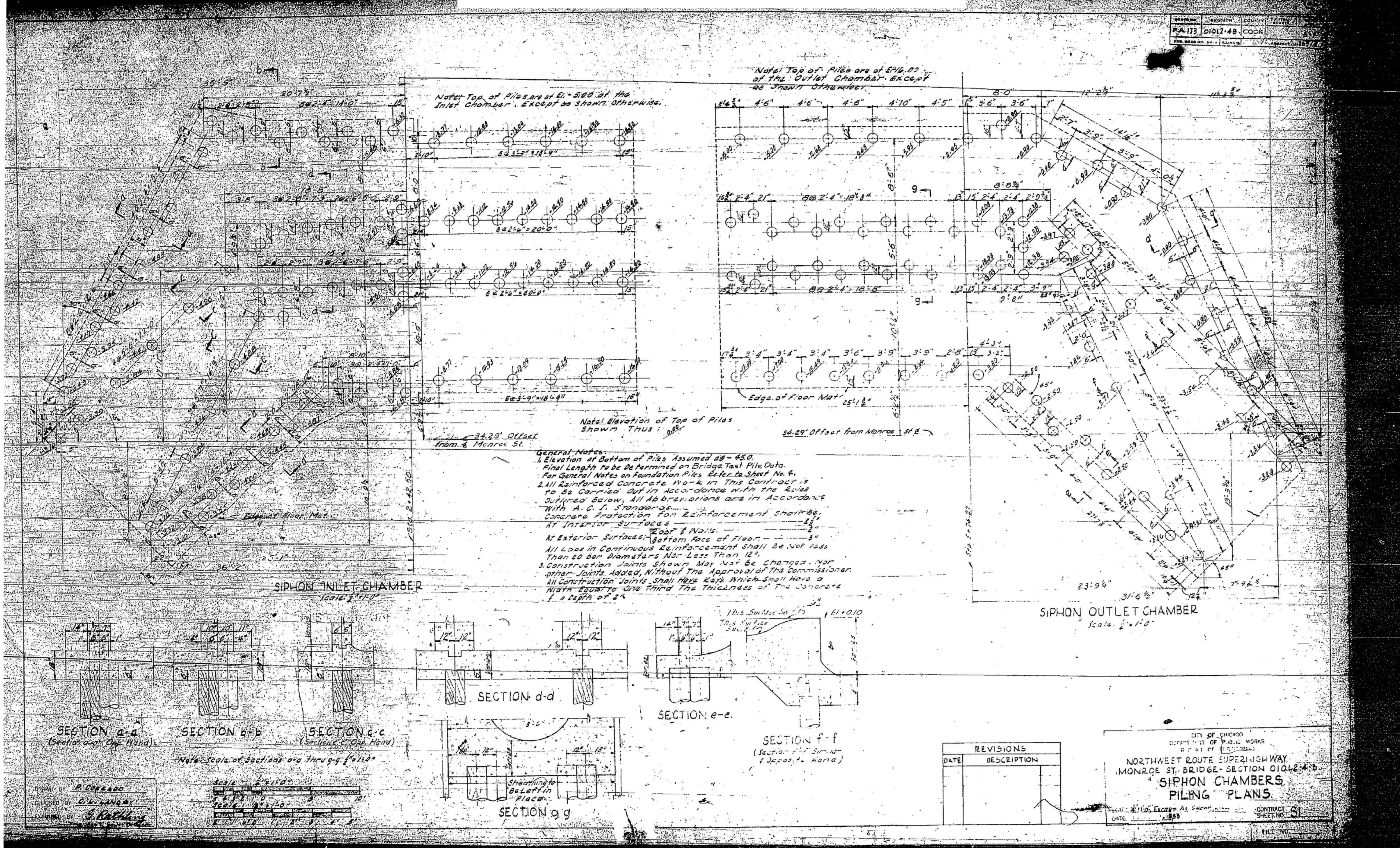
SHEET NO. AS3-14 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	914
CONTRACT NO. 62A77				
ILLINOIS	FED. AID PROJECT			

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS314

10:19:32 AM

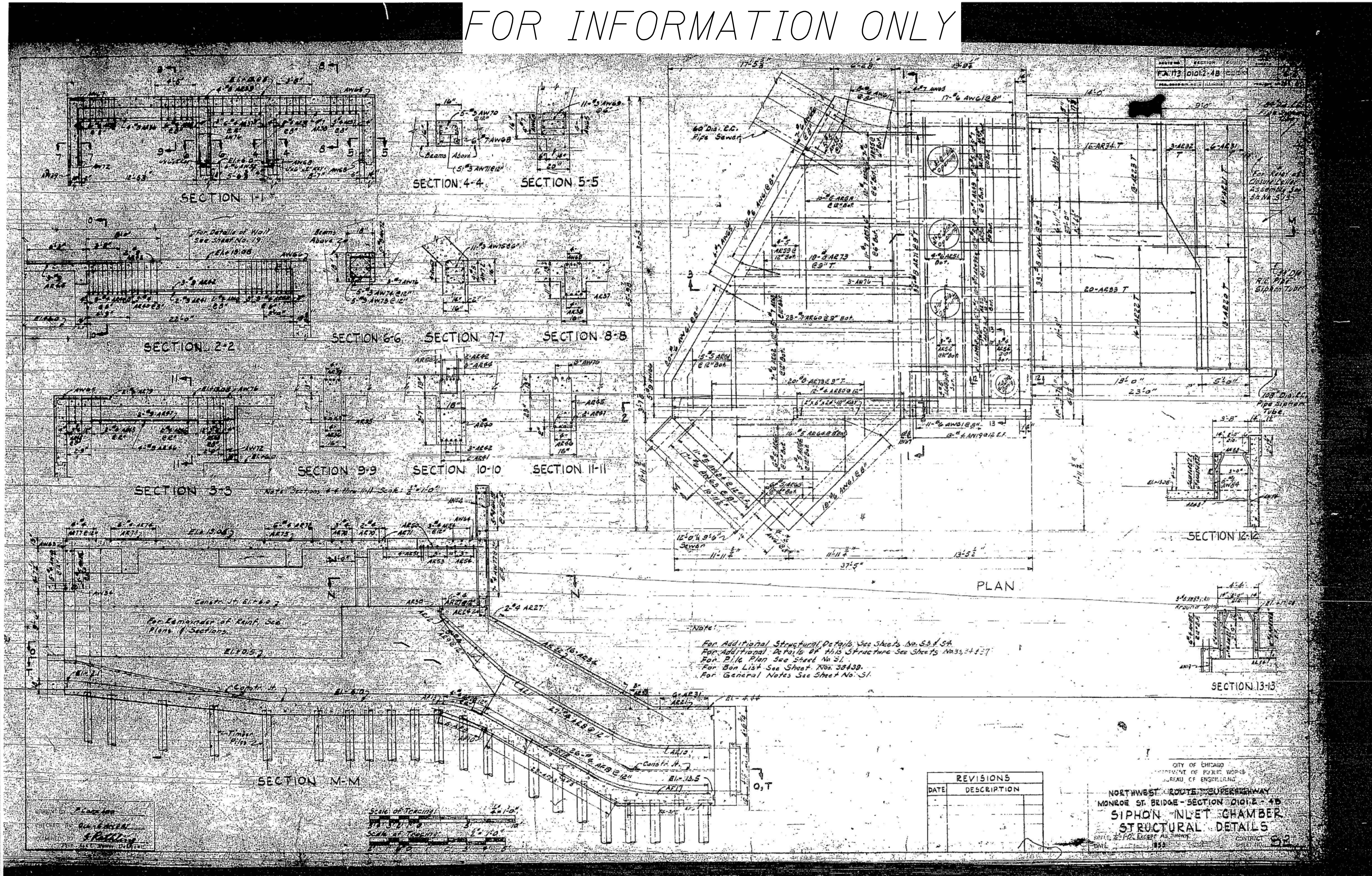
FOR INFORMATION ONLY



HBM ENGINEERING GROUP, LLC	USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING RECORD DRAWINGS STRUCTURE NO. 016-1189	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - MI, JJS	REVISED -			90/94/290	2015-018R	COOK	1360	915
	PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -			CONTRACT NO. 62A77				
	PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -		SHEET NO. AS3-15 OF AS3-42 SHEETS		ILLINOIS	FED. AID PROJECT		

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS315

10:19:46 AM



FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS316

HBM ENGINEERING GROUP, LLC	USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -
		CHECKED - MI, JJS	REVISED -
	PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -
	PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -

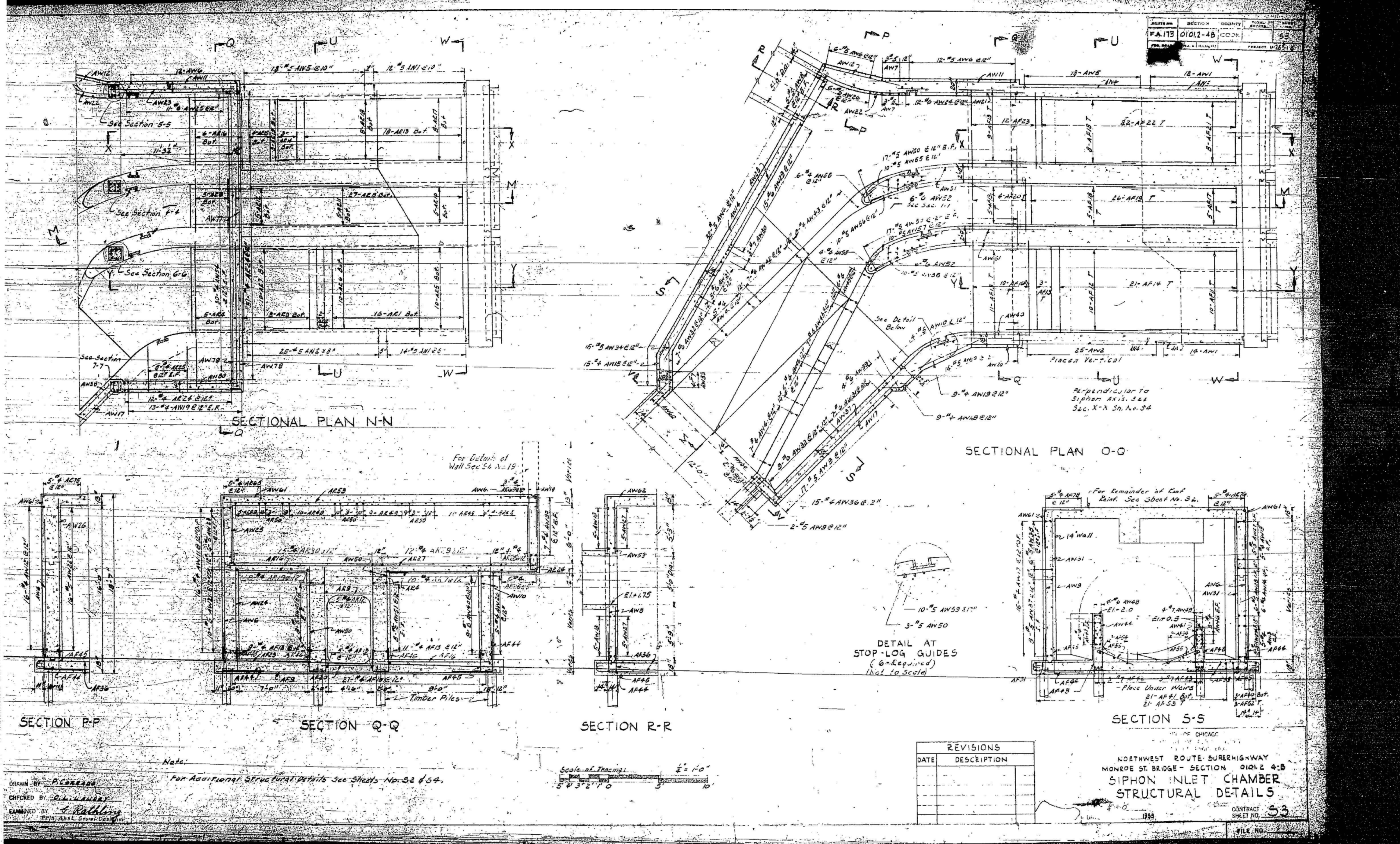
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189
SHEET NO. AS3-16 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	916
		CONTRACT NO. 62A77		
		ILLINOIS	FED. AID PROJECT	

10:20:01 AM

FOR INFORMATION ONLY

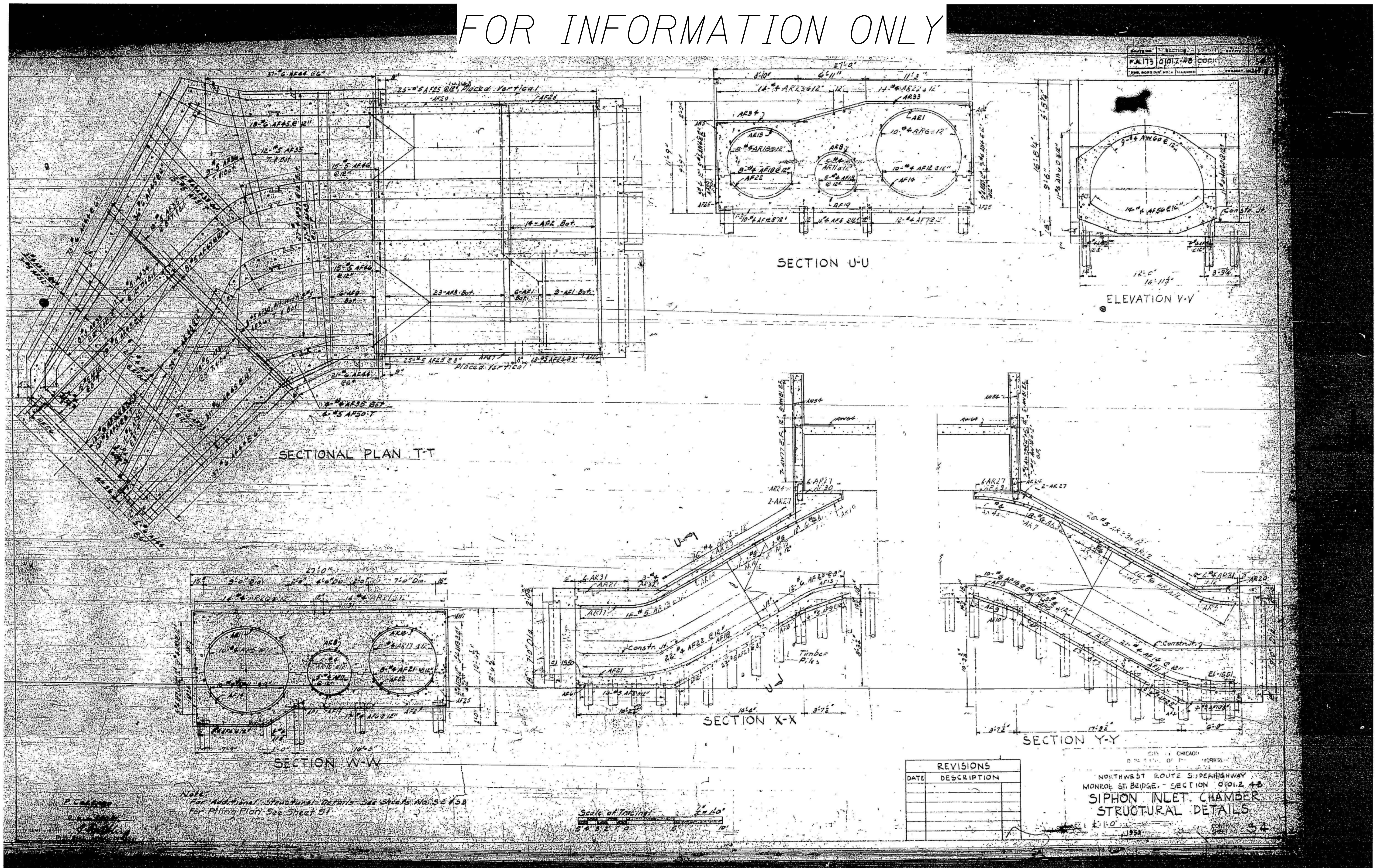


HBM ENGINEERING GROUP, LLC	USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING RECORD DRAWINGS STRUCTURE NO. 016-1189	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - MI, JJS	REVISED -			90/94/290	2015-018R	COOK	1360	917
	PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -			CONTRACT NO. 62A77				
	PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -		SHEET NO. AS3-17 OF AS3-42 SHEETS		ILLINOIS	FED. AID PROJECT		

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS317

10:20:14 AM

FOR INFORMATION ONLY



FILE NAME: pw:\\AECOM-NA-AW51.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS318

HBM ENGINEERING GROUP, LLC	USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING RECORD DRAWINGS STRUCTURE NO. 016-1189
		CHECKED - MI, JJS	REVISED -		
	PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -		
	PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -		SHEET NO. AS3-18 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	918
		CONTRACT NO. 62A77		
		ILLINOIS	FED. AID PROJECT	

10:20:29 AM

FOR INFORMATION ONLY

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE CITY OF CHICAGO

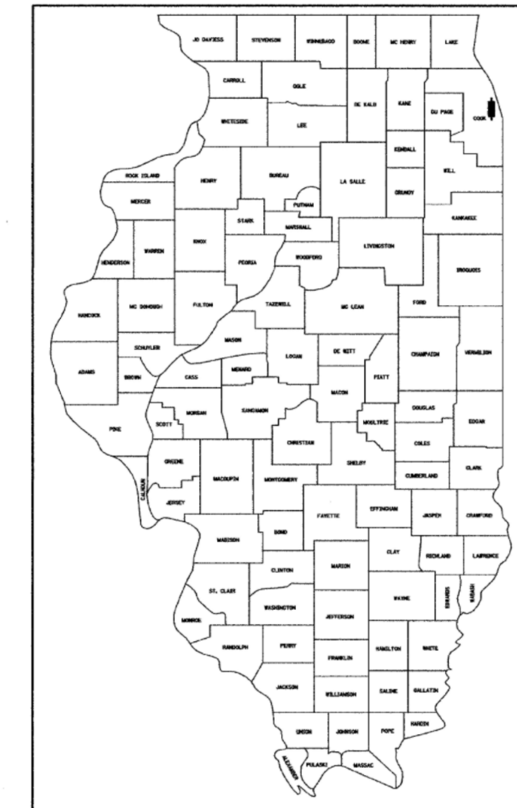
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED HIGHWAY

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	(0202.6-2P,ETC, 1415,&1517)R-7	COOK	246	1
F.A.U.A. REG.		ILLINOIS	PROJECT	

CONTRACT NO. 62408

246+1=247

D-91-301-97



LOCATION OF SECTION INDICATED THUS: -

TRAFFIC DATA

I 90 / 94: 261,200 VEHICLES (1998 ADT)

POSTED SPEED LIMITS

I 90 /94 45 MPH

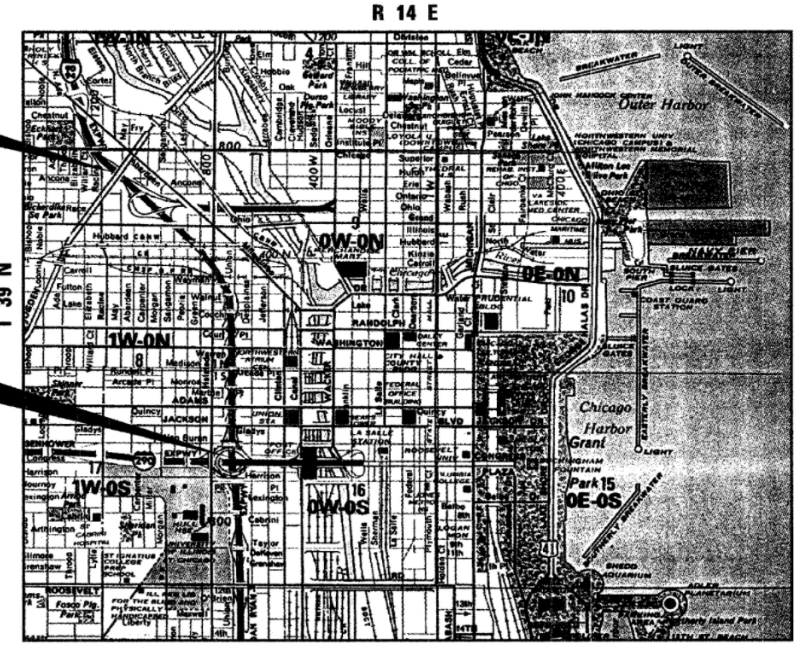
F.A.I. 90 / 94 (INTERSTATE 90 / 94)
SECTION: (0202.6–2P,ETC,1415,&1517)R–7
HUBBARDS CAVE TO INTERSTATE 290
RAMP EXTENSIONS AND RETAINING WALLS
PROJECT: ESP-000S(659)
COOK COUNTY
C–91–091–02

R 14 E

T 39 N

PROJECT ENDS STA. 100+45.00

PROJECT BEGINS STA. 15+53.00



N

WEST TOWN TOWNSHIP

MAP SCALE 0 4800'

100' 200' 300' — 1''= 100'
0 10' 20' 30' — 1''= 10'
0 50' 100' — 1''= 50'
0 50' 100' — 1''= 40'
0 50' 100' — 1''= 30'
0 50' 100' — 1''= 20'

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

C.U.A.N. (312) 744–7000

GROSS LENGTH PROJECT = 8492 FEET = 1.61 MILES
NET LENGTH PROJECT = 8492 FEET = 1.61 MILES

ROADWAY & STUCTURES DESIGNED BY

DLZ
85 WEST ALGONQUIN ROAD, SUITE 220 - ARLINGTON HEIGHTS, IL 60005
PHONE: (847) 640-0840 - FAX: (847) 640-0856

STATE OF ILLINOIS Gregory R. Bumm 043210 REGISTERED PROFESSIONAL ENGINEER

Gregory R Bumm 11/30/2009
SIGNATURE EXPIRES

STATE OF ILLINOIS PETER R. DOMBROWSKI 6519 LICENSED STRUCTURAL ENGINEER

Peter R Dombrowski 11-30-2010
SIGNATURE EXPIRES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED February 3, 2009
Diane M. O'Keefe
DISTRICT ENGINEER

20

ENGINEER OF PROJECT DEVELOPMENT AND IMPLEMENTATION
March 27, 2009
Charles J. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT
March 27, 2009
Christine M. Reed
DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

CONSULTANT SERVICES SECTION DISTRICT ONE – DESIGN / KEN ENG (847) 705–4247

CONTRACT NO. 62408

COUNTY: COOK SECTION: (0202.6–2P,ETC,1415,&1517)R–7 F.A.I. ROUTE: 90 / 94

$FILE$ $DATE$ $TIME$

FOR INFORMATION ONLY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	(0202.6-2P, ETC. 1415 & 1517)R-7	COOK	246	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 62408

INDEX OF SHEETS

STATE STANDARDS

STD. NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420401-06	BRIDGE APPROACH PAVEMENT
442201-03	CLASS C AND D PATCHES
601001-03	SUB-SURFACE DRAINS
602001-01	CATCH BASIN, TYPE A
602306-02	INLET TYPE B
602401-02	MANHOLE TYPE A
602406-03	MANHOLE TYPE A 6' (1.8 m) DIAMETER
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
604036-02	GRATE TYPE 8
604086-02	FRAME AND GRATE TYPE 23
604091-02	FRAME AND GRATE TYPE 24
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLAND AND MEDIANS
630001-08	STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-05	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-07	TRAFFIC BARRIER TERMINAL, TYPE 6
635001-01	DELINEATORS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
637006-02	CONCRETE BARRIER, DOUBLE FACE, 42 In. (1065 mm) HEIGHT
664001-02	CHAIN LINK FENCE
701101-02	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701400-03	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-05	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-07	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701411-05	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >= 45 MPH
701426-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45MPH
701446-01	TWO LANE CLOSURE FREEWAY/EXPRESSWAY
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
704001-05	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-02	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

1. ALL ELEVATIONS SHOWN REFER TO U.S.G.S. DATUM UNLESS OTHERWISE NOTED.

2. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR DIGGER (CHICAGO AREA) AT 312-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

3. 3 METER (10 FEET) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB & GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS & GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK.

4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CHICAGO.

5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

6. BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.

7. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

8. ALL STORM SEWER CONNECTIONS WITH PIPES 675 MM (27 INCHES) DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 675 MM (27 INCHES) DIAMETER, OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED. PRECAST "TEE" AND "WYE" PIPE CONNECTIONS FOR PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST FOR THE STORM SEWERS.

9. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 40 MM (1½ INCHES) WHERE THE SPEED LIMIT IS 80 KM/H (45 MPH) OR LESS AND 25 MM (1 INCH) WHERE THE SPEED LIMIT IS GREATER THAN 80KM/H (45 MPH). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 75 MM (3 INCHES) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

10. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND BITUMINOUS TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

11. WHERE SECTION, SUBSECTION, SUBDIVISION OR PROPERTY MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

12. DURING CONSTRUCTION OPERATIONS WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF THE GUTTERS OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY.

13. THE THICKNESS OF HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

14. PROTECTIVE COAT SHALL BE APPLIED IN ACCORDANCE WITH ARTICLE 420.18 OF THE STANDARD SPECIFICATIONS TO CONCRETE MEDIAN SURFACES AND BARRIER, APPROACH AND SHOULDER SLABS, ALL EXPOSED SURFACES OF CURBS AND GUTTERS. ANY PART OF THIS ITEM CAN BE DELETED OR ANOTHER ADDED AT THE DISCRETION OF THE ENGINEER.

15. SAW CUTTING: A SAW CUT SHALL BE REQUIRED TO THE FULL DEPTH AT THE JOINT BETWEEN PAVEMENT, SIDEWALK, CURB AND GUTTER, MEDIAN, DRIVEWAY PAVEMENT, HMA SURFACES TO BE REMOVED AND THAT LEFT IN PLACE OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEMS.

16. THE CONTRACTOR'S SPECIAL ATTENTION IS REQUIRED TO PRESERVE AS MANY TREES, SHRUBS, AND BUSHES AS POSSIBLE DURING THE CONSTRUCTION OF THE IMPROVEMENT. COST OF REMOVAL OF HEDGES AND BRUSH WHICH ARE NOT LISTED SEPARATELY AS A PAY ITEM IN THE PLANS SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE OF EARTH EXCAVATION. PLAN QUANTITIES FOR TREE REMOVAL HAVE BEEN BASED ON REMOVAL OF TREES WITHIN THE CONSTRUCTION LIMITS. THIS QUANTITY MAY BE REDUCED OR INCREASED DURING CONSTRUCTION AT THE DISCRETION OF THE ENGINEER.

17. THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL BE REQUIRED TO RELOCATE OR TO REMOVE AND REPLACE ALL ROAD SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION.

    ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS:

    A. SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK DEMANDS.

    B. EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO HIGHWAY TRAFFIC. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND NEAT FOR THE DURATION OF THE TEMPORARY SETTING.

    C. ALL PAVEMENT MARKINGS PROPOSED WITHIN A GIVEN WORK AREA SHALL BE COMPLETED PRIOR TO CONSTRUCTION PHASE CHANGE.

18. A MINIMUM THICKNESS OF 4 INCHES OF TOPSOIL SHALL BE PLACED OVER THE ENTIRE AREA TO BE SODDED OR SEEDED.

19. WHEREVER CONCRETE MASONRY WALLS, HEADWALLS, OR OTHER OBSTRUCTIONS ARE ENCOUNTERED, THEY SHALL BE REMOVED TO AN ELEVATION OF 1 FOOT BELOW THE ESTABLISHED GRADE OR SUBGRADE AS SHOWN ON THE PLANS. THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EARTH EXCAVATION, UNLESS IDENTIFIED IN THE PLANS TO BE PAID FOR AT THE UNIT BID PRICE FOR CONCRETE REMOVAL.

20. THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATIONS FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

21. THE CONTRACTOR SHALL PROVIDE FOR TEMPORARY DRAINAGE UNTIL THE FINAL SURFACE IS PLACED. COST SHALL BE INCLUDED IN EARTHWORK.

22. DRAINAGE STRUCTURE GRADES AND LOCATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION OF DRAINAGE ITEMS.

23. ADDED EXPENSE INVOLVED IN CONNECTING EXISTING DRAIN TILES, PIPE CULVERTS, OR STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICE FOR DRAINAGE ITEM INVOLVED.

24. POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES), AND FABRIC FOR GROUND STABILIZATION HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES AND FABRIC WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH PGES AND FABRIC OR EMBANKMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

LOCATION					
RAMP	RAMP STA.	MAINLINE STA.	UNDERCUT (C.Y.)	PGES (C.Y.)	GEO-FABRIC (C.Y.)
		30+80 - 31+52	10.9	10.9	
		21+00 - 30+68	425.3	425.3	
F	11+50 - 8+00		273.3	273.3	819.8
E		31+52 - 35+00	130.8	68.3	
		20+76 - 33+51	425.9	425.9	
A		32+93 - 35+00	46.3	46.3	
		38+80 - 40+48	38.5	38.5	
F&H	8+00 - 1+00		803.4	803.4	2410.3
E		35+00 - 39+20	303.9	295.3	
O		40+48 - 48+77	413.9	315.3	
		35+57 - 37+70	48.7	48.7	
		44+93 - 47+42	57.0	57.0	
A		35+00 - 35+57	15.8	15.8	
B		37+21 - 44+93	390.3	299.3	
L		46+84 - 50+00	168.4	161.4	
Q		50+75 - 52+10	18.1	18.1	
L		50+00 - 54+51	217.4	217.4	
	TOTAL		3787.8	3787.8	3230.0

25. UNDERDRAIN SLOPEWALL AND PIPE REMOVAL SHALL BE INCLUDED IN THE COST OF EARTHWORK.

26. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK (LUST) CLEANUPS OR THAT IS PREQUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITER FOR WORKER PROTECTION.

COMMITMENTS

NONE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
INDEX OF SHEETS
STATE STANDARDS

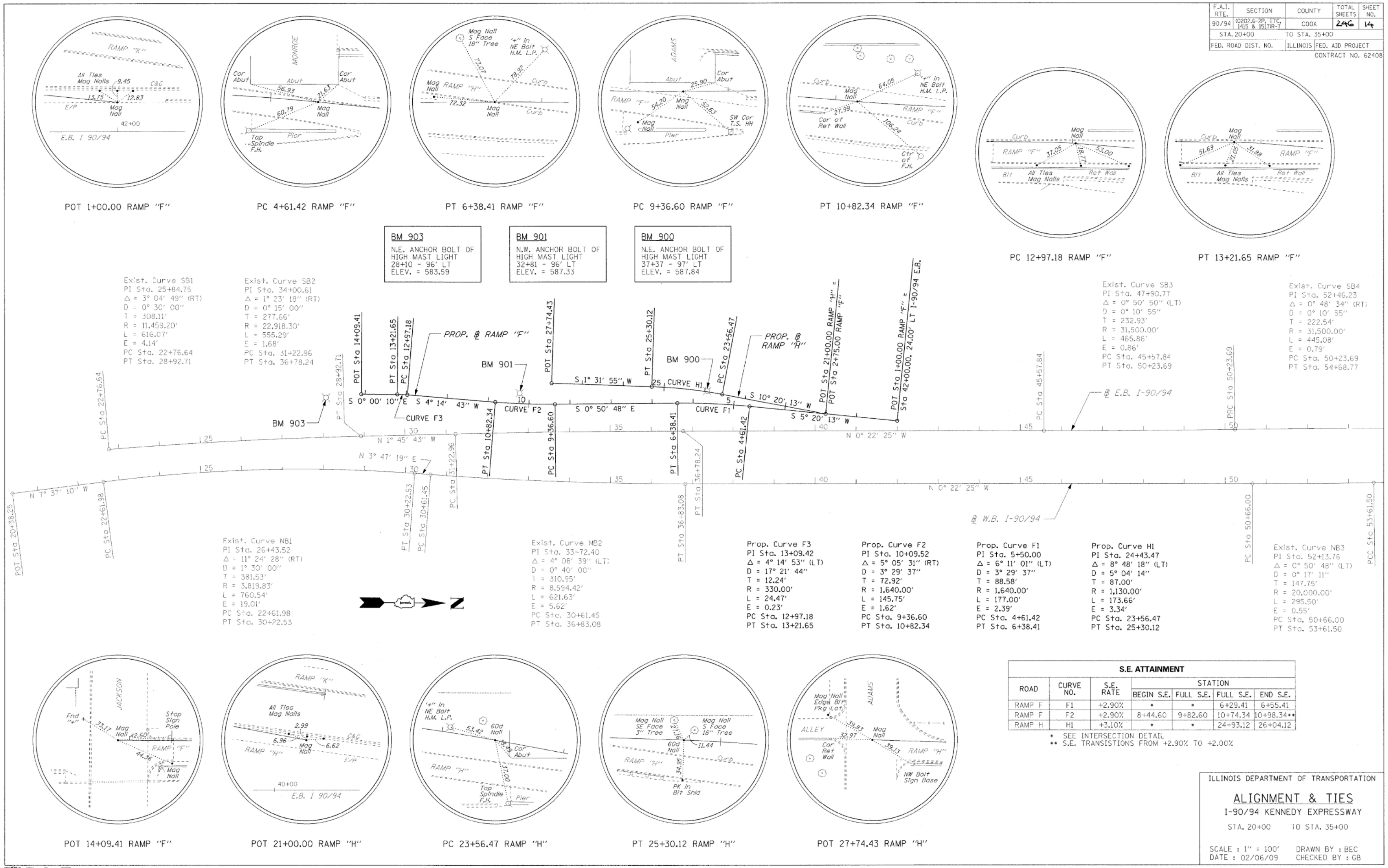
SCALE : NTS   DRAWN BY : BEC
DATE : 02/27/09   CHECKED BY : GB

3-5-09

DLZ

FOR INFORMATION ONLY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	(0202.6-2R, ETC. 1415 & 1617HB-1	COOK	246	14
STA. 20+00	TO STA. 35+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62408				



S.E. ATTAINMENT

ROAD	CURVE NO.	S.E. RATE	STATION BEGIN S.E.	FULL S.E.	FULL S.E.	END S.E.
RAMP F	F1	+2.90%	•	•	6+29.41	6+55.41
RAMP F	F2	+2.90%	8+44.60	9+82.60	10+74.34	10+98.34••
RAMP H	H1	+3.10%	•	•	24+93.12	26+04.12

• SEE INTERSECTION DETAIL
•• S.E. TRANSITIONS FROM +2.90% TO +2.00%

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT & TIES

I-90/94 KENNEDY EXPRESSWAY

STA. 20+00 TO STA. 35+00

SCALE : 1" = 100' DRAWN BY : BEC
DATE : 02/06/09 CHECKED BY : GB

DLZ

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS321

10:21:12 AM

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -
	CHECKED - MI, JJS	REVISED -
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189

SHEET NO. AS3-21 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	921
CONTRACT NO. 62A77				
	ILLINOIS	FED. AID PROJECT		

FOR INFORMATION ONLY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	(0202.6-2P, ETC. 1415 & 1517(R-7	COOK	246	16
STA. 35+00	TO STA. 50+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62408

LEGEND

HMA SURFACE REMOVAL 2"

HMA SURFACE REMOVAL 1½"

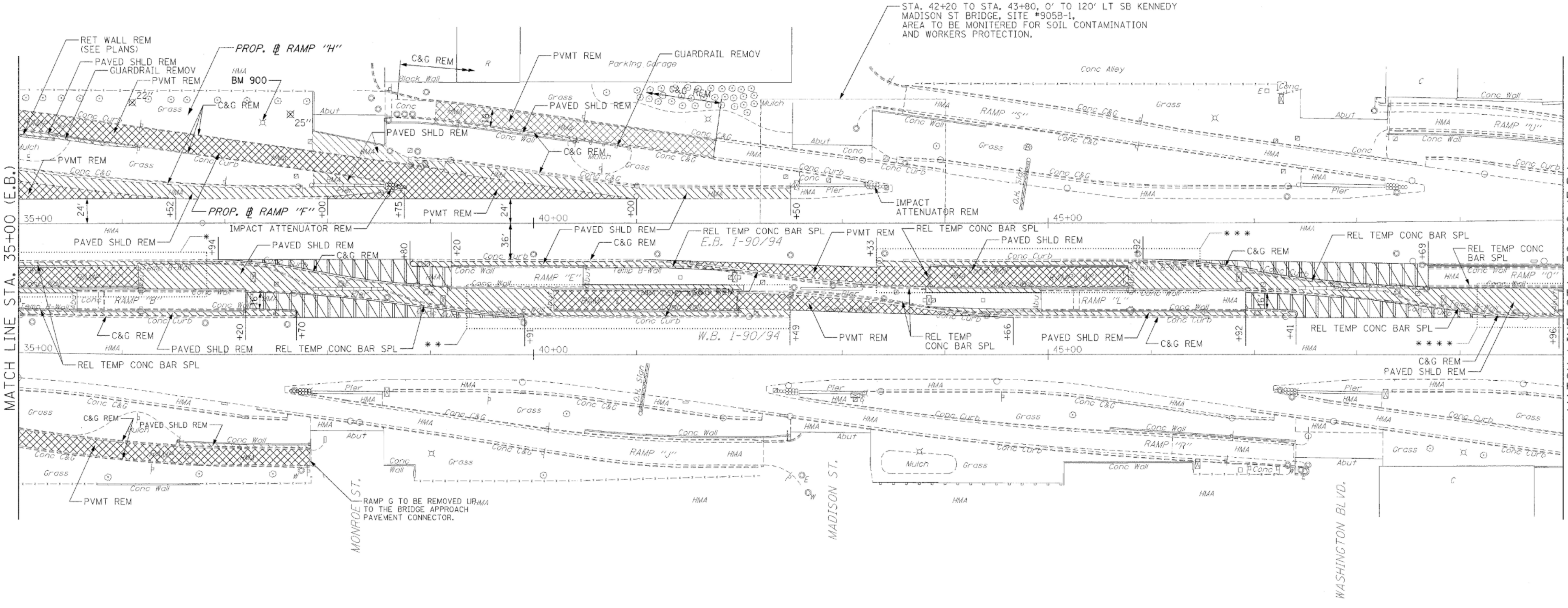
PAVED SHOULDER REMOVAL

PAVEMENT REMOVAL

RETAINING WALL REMOVAL

22" TREE REMOVAL, DIAMETER

BM 900
N.E. ANCHOR BOLT OF HIGH MAST LIGHT
37+37 - 97' LT
ELEV. = 587.84



* REMOVAL OF EXISTING STRUCTURE NO. 1
** REMOVAL OF EXISTING STRUCTURE NO. 2
*** REMOVAL OF EXISTING STRUCTURE NO. 3
**** REMOVAL OF EXISTING STRUCTURE NO. 4

NOTE:
THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK (LUST) CLEANUPS OR THAT IS PREQUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING/REMOVAL PLAN
I-90/94 KENNEDY EXPRESSWAY
STA. 35+00 TO STA. 50+00

SCALE : 1" = 50' DRAWN BY : BEC
DATE : 02/27/09 CHECKED BY : GB

Ms\Proj\R94P2-RAMP\94ep 35.dgn 2/23/2009 8:30:48 AM

DLZ

3.5

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS322

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -
	CHECKED - MI, JJS	REVISED -
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189

SHEET NO. AS3-22 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	922
		CONTRACT NO. 62A77		
		ILLINOIS	FED. AID PROJECT	

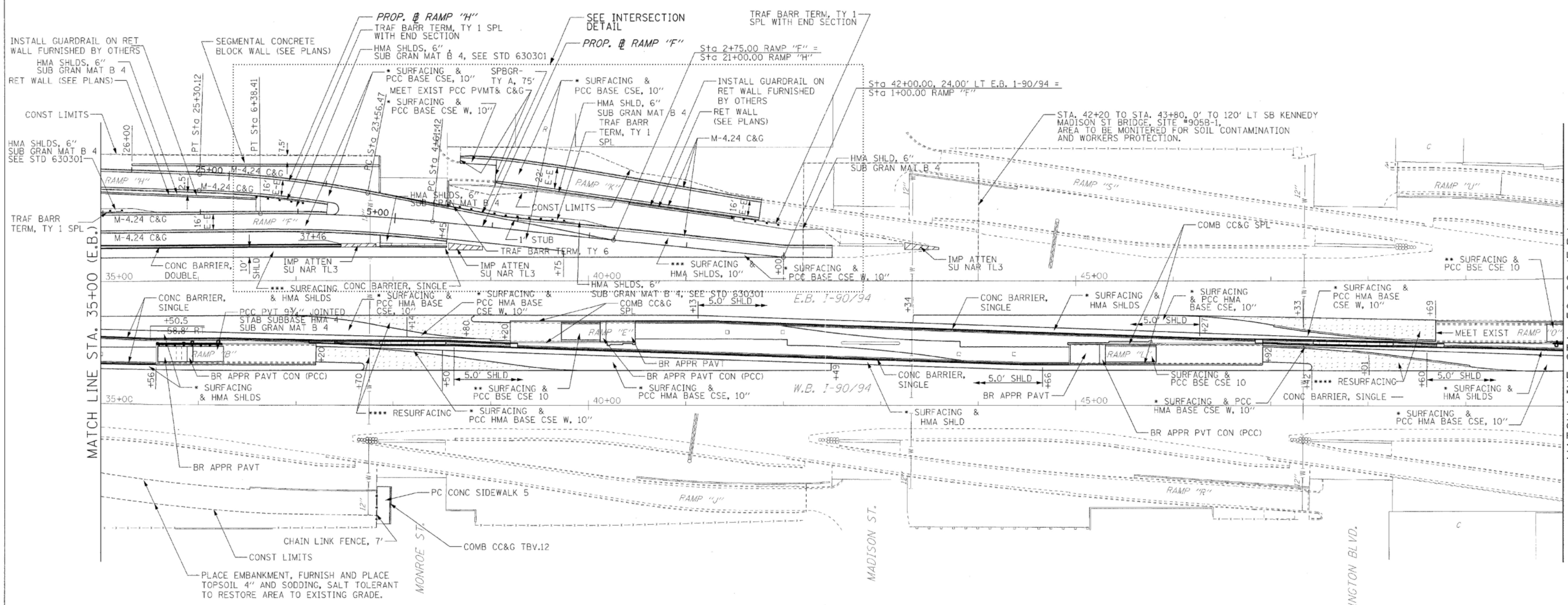
10:21:27 AM

FOR INFORMATION ONLY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	(0202.6-2P, ETC.) 1415 & 1517R-7	COOK	246	19
STA. 35+00	TO STA. 50+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
	CONTRACT NO. 62408			

LEGEND

HMA RESURFACING 1½"



* SURFACING SHALL CONSIST OF
1½" HOT- MIX ASPHALT SURFACE COURSE, MIX D, N70 &
2½" HOT- MIX ASPHALT BINDER COURSE, IL19.0, N70

** SURFACING SHALL CONSIST OF
1½" HOT- MIX ASPHALT SURFACE COURSE, MIX D, N70 &
1½" HOT- MIX ASPHALT BINDER COURSE, IL19.0, N70

*** SURFACING SHALL CONSIST OF 1½" HOT- MIX ASPHALT SURFACE COURSE, MIX C, N70

**** RESURFACING SHALL CONSIST OF
1½" HOT- MIX ASPHALT SURFACE COURSE, MIX D, N70

NOTE:
THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK (LUST) CLEANUPS OR THAT IS PREQUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED PLAN

I-90/94 KENNEDY EXPRESSWAY

STA. 35+00 TO STA. 50+00

SCALE : 1" = 50' DRAWN BY : BEC
DATE : 02/06/09 CHECKED BY : GB

DLZ

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS323

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -
	CHECKED - MI, JJS	REVISED -
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189

SHEET NO. AS3-23 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	923
	CONTRACT NO. 62A77			
	ILLINOIS	FED. AID PROJECT		

10:21:42 AM

BENCH MARK
BM 900 - N.E. ANCHOR BOLT OF HIGH MAST LIGHT
STA. 37+37.00 ~ 97.00' LT. ELEV. 587.84

EXISTING STRUCTURE NO. 016-W809
I-90/94 RAMP K - MONROE ST. EXIT RAMP EASTBOUND, BUILT IN 1957 CONSISTS OF CAST-IN-PLACE CONCRETE RETAINING WALL SUPPORTED ON CONCRETE PILING

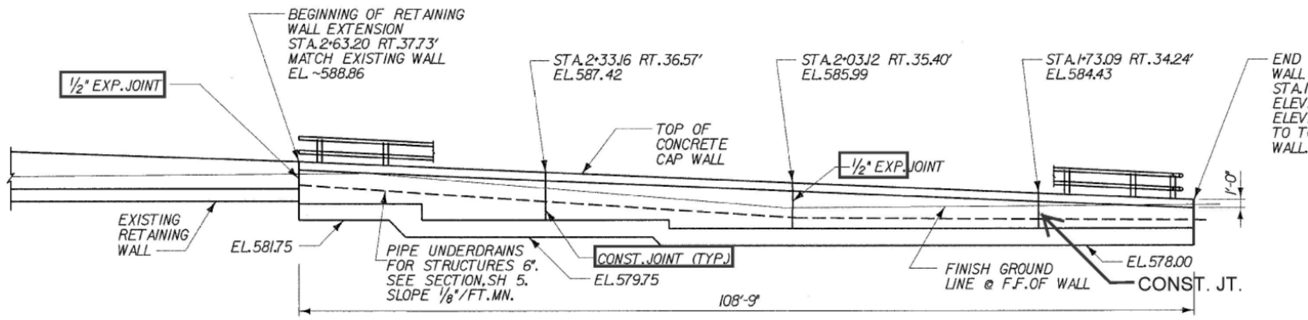
PROPOSED IMPROVEMENTS
EXISTING STRUCTURE TO BE EXTENDED 108'-9" WITH A CAST-IN-PLACE T-TYPE CONCRETE RETAINING WALL SUPPORTED ON 14" DIAMETER METAL SHELL PILES.

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 9094	*	COOK	246	172
FED. ROAD DIST. # 1		ILLINOIS	FED. AID PROJECT	

*SECT. (202.6 - 2P, ETC, 1415 & 1517) R-7
CONTRACT NUMBER 62408

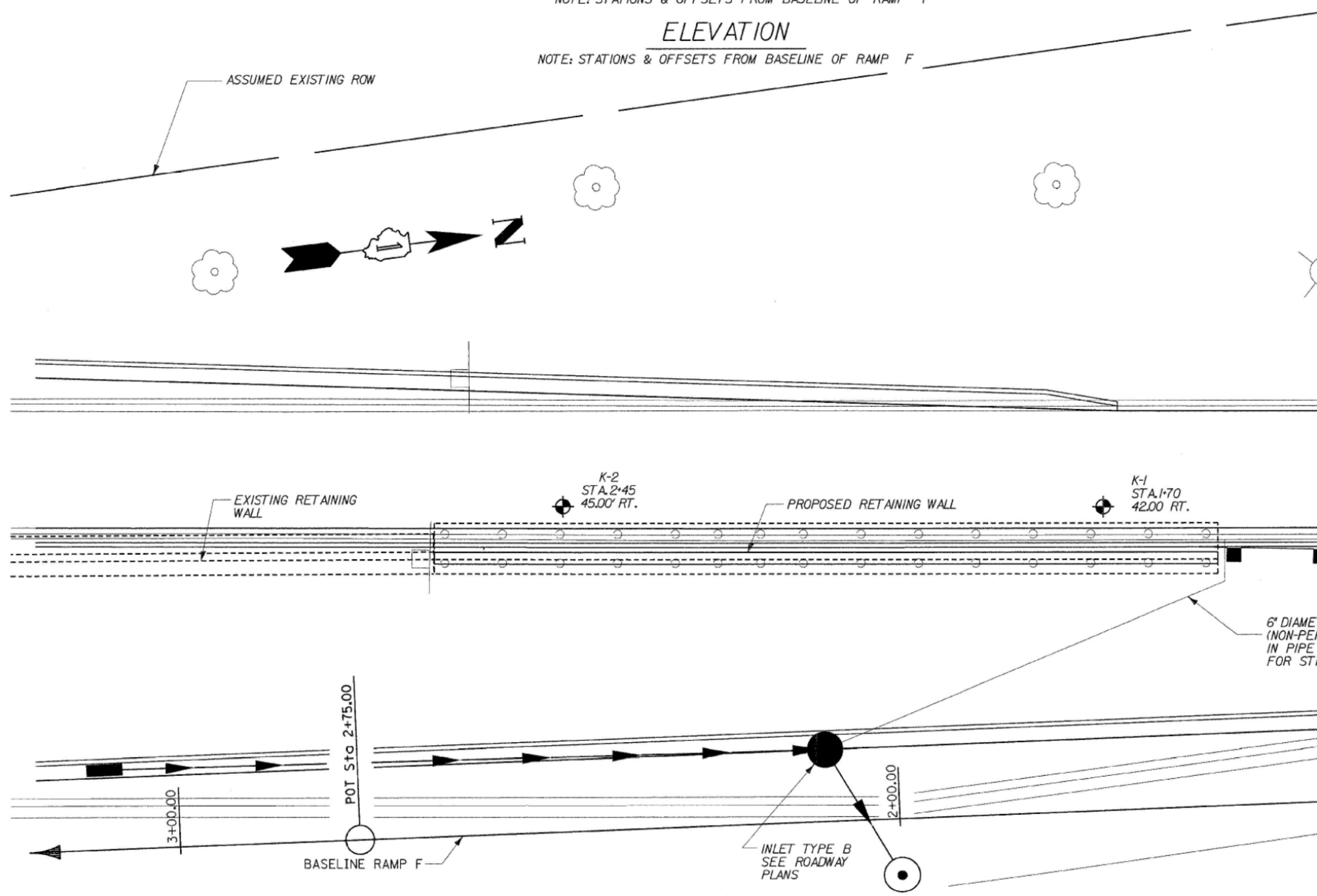
SHEET NO. 1
11 SHEETS



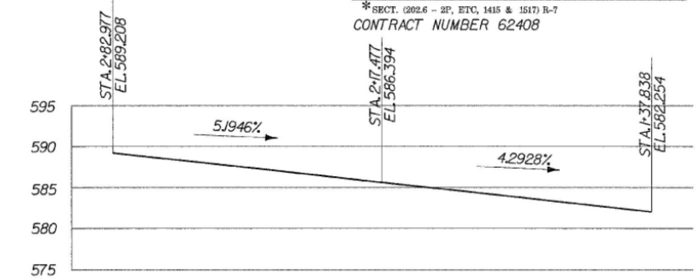
NOTE: STATIONS & OFFSETS FROM BASELINE OF RAMP F

ELEVATION

NOTE: STATIONS & OFFSETS FROM BASELINE OF RAMP F



PLAN



PROFILE OF RAMP K

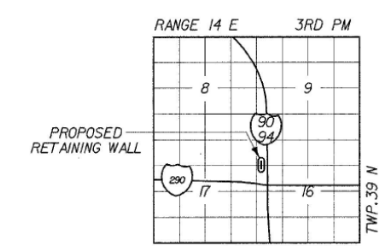
DESIGN SPECIFICATIONS

2002 AASHTO SPECIFICATIONS FOR HIGHWAY BRIDGES

DESIGN STRESSES

LOADINGS:
EQUIVALENT FLUID SOIL PRESSURE = 40 PCF
TRAFFIC SURCHARGE PRESSURE 240 PCF

F'C = 3,500 PSI (CONCRETE)
FY = 60,000 PSI (REINFORCEMENT)



LOCATION SKETCH

GENERAL NOTES

1. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 706 GR60. SEE SPECIAL PROVISIONS.
2. REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
3. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURES HAVE BEEN TAKEN FROM FIELD MEASUREMENTS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION OR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE FOR THE WORK.
4. THE CONTRACTOR SHALL DRIVE TWO METAL SHELL PILES 14" DIAMETER TEST PILES IN A PERMANENT LOCATION NEAR BORINGS K-1 AND K-2 AS INDICATED ON THE PLANS AND AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF PILES.
5. ALL CONSTRUCTION JOINTS SHALL BE BONDED.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
CONCRETE STRUCTURES	CU YD	82.4
REINFORCEMENT BARS	POUND	4,940
REINFORCEMENT BARS, EPOXY COATED	POUND	1,130
STRUCTURE EXCAVATION	CU YD	295
FURNISHING METAL SHELL PILES 14" x 0.250"	FOOT	2,055
DRIVING PILES	FOOT	2,055
TEST PILE METAL SHELLS	EACH	1
GEOCOMPOSITE WALL DRAIN	SQ YD	65
PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	109
INSTALL DECORATIVE STEEL GUARDRAIL	FOOT	108
INSTALL DECORATIVE STEEL FASCIA	FOOT	87
EMBEDDED PLATE, GUARDRAIL UPRIGHT, EXPANSION JOINT	EACH	2
EMBEDDED PLATE, GUARDRAIL UPRIGHT	EACH	15
REPAIR OF FASCIA PANELS, EXIT RAMP K	LS	1

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

DLZ ILLINOIS, LLC.
ARLINGTON HEIGHTS, ILLINOIS
Signed: Peter R. Dombrowski
Date: 02-25-2009
Expiration Date: 11/30/10

STATE OF ILLINOIS PETER R. DOMBROWSKI 6519 LICENSED STRUCTURAL ENGINEER

DLZ
DLZ Illinois, Inc.
85 W. Algonquin Rd. Ste. 220
Arlington Heights Il 60005

REVISIONS	
NAME	DATE

RETAINING WALL RAMP K GENERAL PLAN AND ELEVATION

I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
SECT. (202.6 - 2P, ETC, 1415 & 1517) R-7
STATION 1+54.36, 33.5' RT TO 2+63.20, 37.7' RT
(RAMP F BASELINE)
COOK COUNTY
STRUCTURE NUMBER 016-W809

DESIGNED	ECF
CHECKED	JMM
DRAWN	ECF & DPW
CHECKED	JMM

25-Feb-2009 11:12 s:\Dept\Structures\301099 I90 94-retwall\ILL I90 194\RAMPK\DGNFILES\01-LayoutRampK2-16.dgn

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS324

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -
	CHECKED - MI, JJS	REVISED -
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189
SHEET NO. AS3-24OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	924
CONTRACT NO. 62A77				
		ILLINOIS	FED. AID PROJECT	

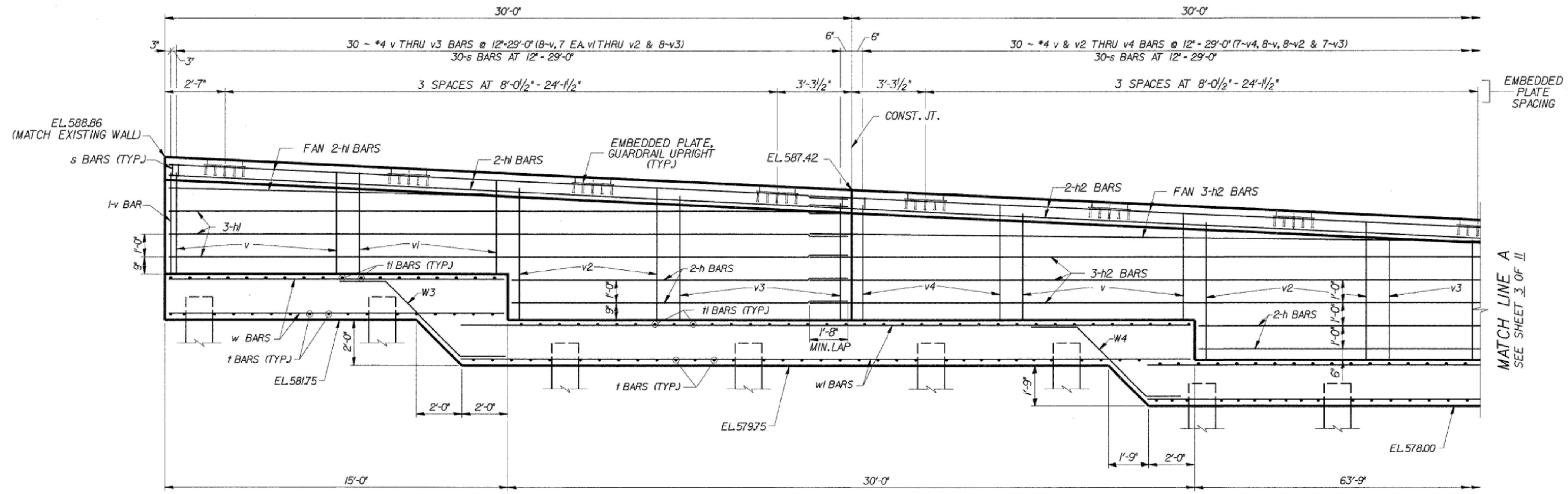
10:21:57 AM

FOR INFORMATION ONLY

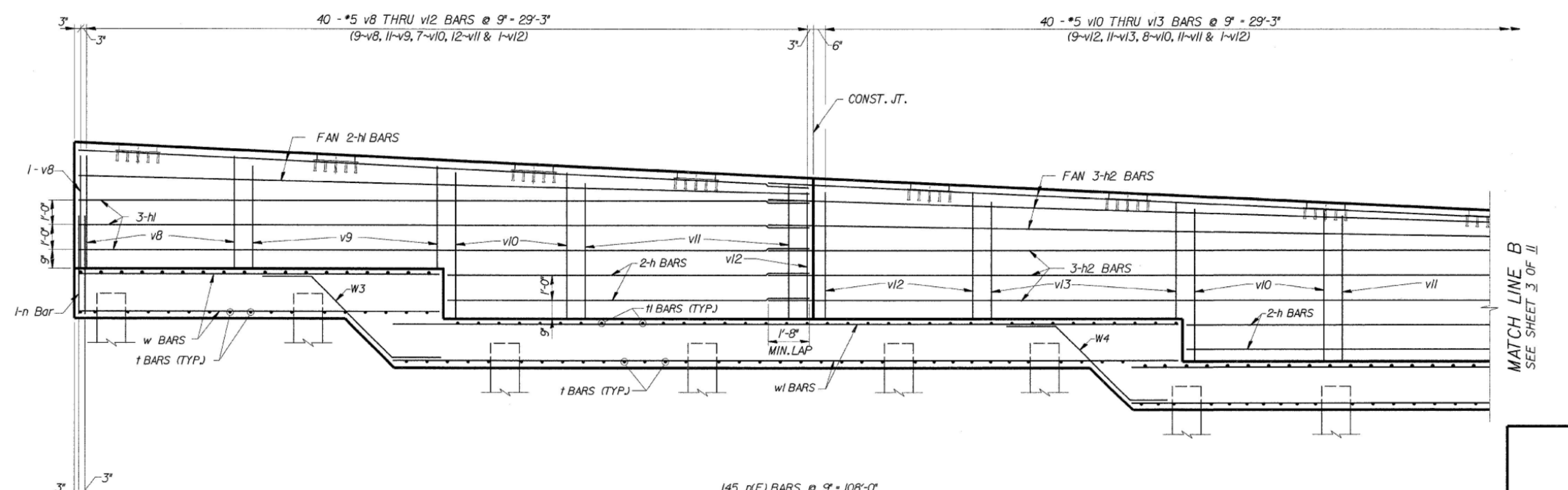
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 9094	*	COOK	246	173
FED. ROAD DIST. # 1	ILLINOIS	FED. AID PROJECT		

*SECT. (202.6 - 2P, ETC, 1415 & 1517) R-7
CONTRACT NUMBER 62408

SHEET NO. 2
11 SHEETS



ELEVATION
(SHOWING FRONT FACE REINFORCEMENT)



ELEVATION
(SHOWING BACK FACE REINFORCEMENT)

MINIMUM BAR LAPS
#4 BARS = 1'-8"

DESIGNED	CMF
CHECKED	LTX
DRAWN	DPW
CHECKED	JMM

04-Feb-2009 09:37 z:\Dept\Structures\30109 I90 I94-retwall\ILL I90 I94\RAMPK\DGNFILES\02-06-RKplan.dgn

REVISIONS	
NAME	DATE

DLZ Illinois, Inc.
85 W. Algonquin Rd. Ste. 220
Arlington Heights Il 60005

RETAINING WALL RAMP K
ELEVATION (REINF)
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
SECT. (202.6 - 2P, ETC, 1415 & 1517) R-7
STATION 1+54.36, 33.5' RT TO 2+63.20, 37.7' RT
(RAMP F BASELINE)
COOK COUNTY
STRUCTURE NUMBER 016-W809

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS325

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	
	CHECKED - MI, JJS	REVISED -	
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -	
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189
SHEET NO. AS3-25 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	925
		CONTRACT NO. 62A77		
		ILLINOIS	FED. AID PROJECT	

10:22:12 AM

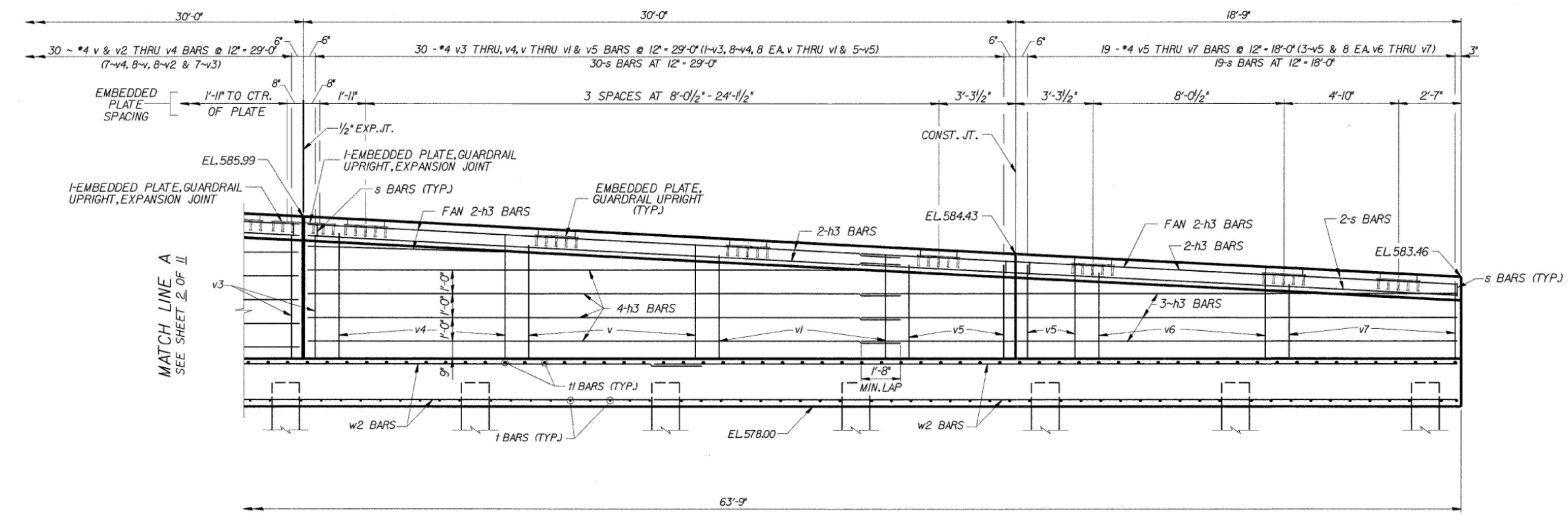
FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 9094	*	COOK	246	174
FED. ROAD DIST. # 1		ILLINOIS	FED. AID PROJECT	

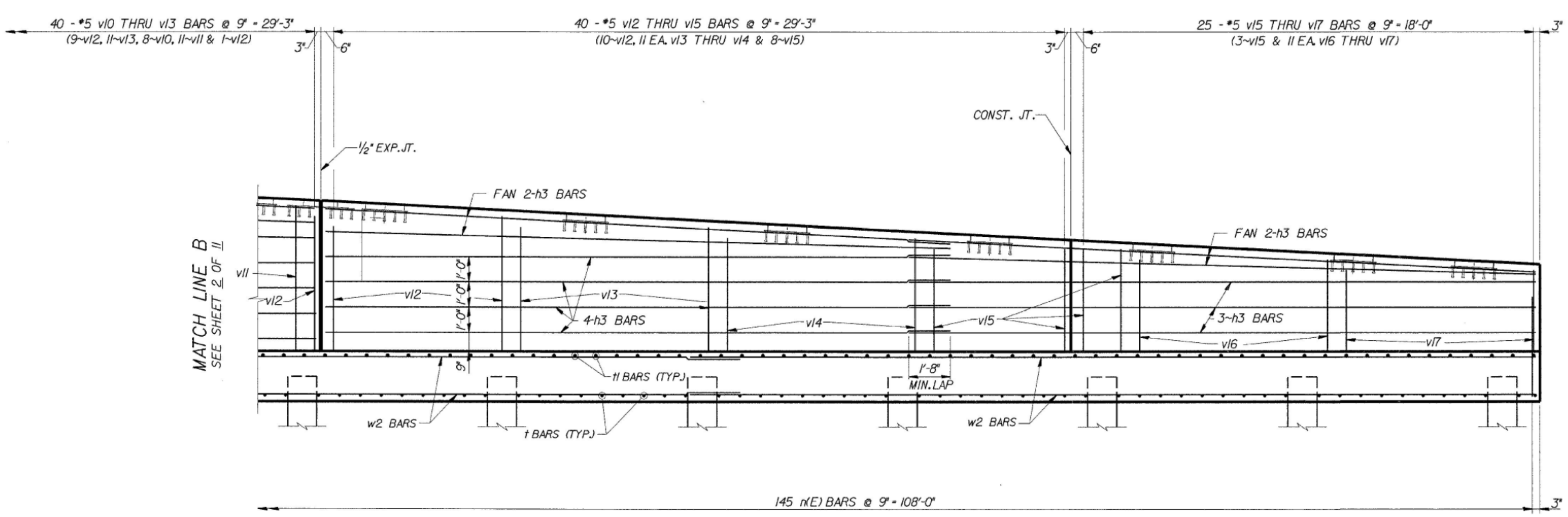
*SECT. (202.6 – 2P, ETC, 1415 & 1517) R-7

CONTRACT NUMBER 62408

SHEET NO. 3
11 SHEETS



ELEVATION
(SHOWING FRONT FACE REINFORCEMENT)



ELEVATION
(SHOWING BACK FACE REINFORCEMENT)

MINIMUM BAR LAPS
#4 BARS = 1'-8"

DESIGNED	CMF
CHECKED	LTX
DRAWN	DPW
CHECKED	JMM

04-Feb-2009 09:37 s:\Dept\Structures\301099 I90 I94-retwall\ILL I90 I94\RAMPK\DGNFILES\02-06-RKplan.dgn

DLZ Illinois, Inc. 85 W. Algonquin Rd. Ste. 220 Arlington Heights Il 60005

REVISIONS — NAME | DATE

RETAINING WALL RAMP K
ELEVATION (REINF)
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
SECT.(202.6 - 2P, ETC.1415 & 1517) R-7
STATION 1+54.36, 33.5' RT TO 2+63.20, 37.7' RT
(RAMP F BASELINE)
COOK COUNTY
STRUCTURE NUMBER 016-W809

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -
	CHECKED - MI, JJS	REVISED -
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189
SHEET NO. AS3-26 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	926
CONTRACT NO. 62A77				
		ILLINOIS	FED. AID PROJECT	

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS326

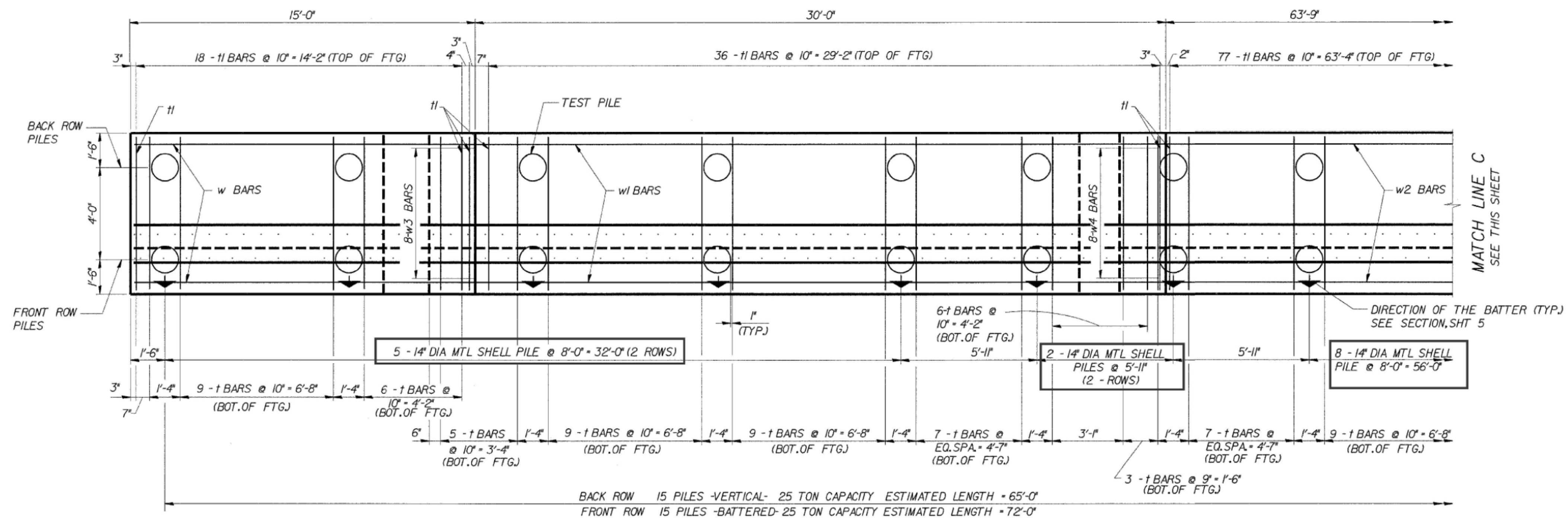
10:22:27 AM

FOR INFORMATION ONLY

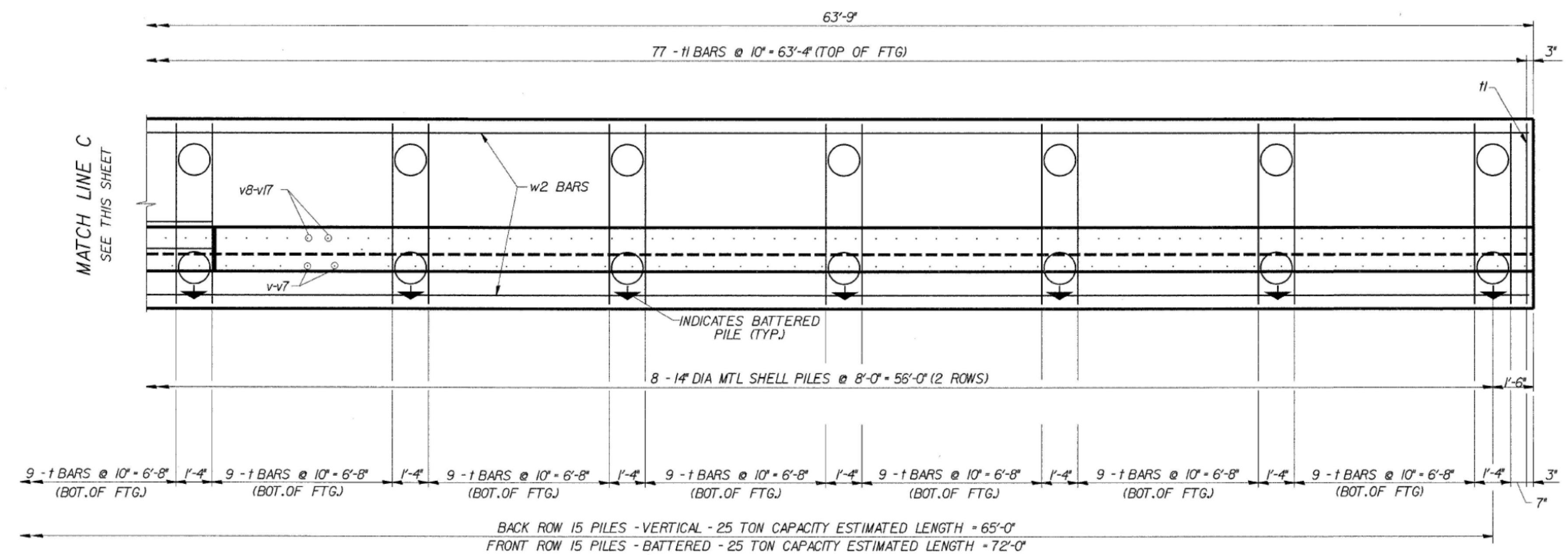
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 9094	*	COOK	246	175
FED. ROAD DIST. # 1	ILLINOIS	FED. AID PROJECT		

SHEET NO. 4
11 SHEETS

*SECT. (202.6 - 2P, ETC, 1415 & 1517) R-7
CONTRACT NUMBER 62408



PLAN



PLAN

MINIMUM BAR LAPS
*4 BARS = 1'-8"

DESIGNED	CMF
CHECKED	LTX
DRAWN	DPW
CHECKED	JMM

04-Feb-2009 09:37 s:\Dept\Structures\301099 I90 I94-retwall\ILL I90 I94\RAMPK\DGNFILES\02-06-RKplan.dgn

DLZ Illinois, Inc. 85 W. Algonquin Rd. Ste. 220 Arlington Heights Il 60005

REVISIONS: NAME | DATE

RETAINING WALL RAMP K
ELEVATION (REINF)
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
SECT. (202.6 - 2P, ETC, 1415 & 1517) R-7
STATION 1+54.36, 33.5' RT TO 2+63.20, 37.7' RT
(RAMP F BASELINE)
COOK COUNTY
STRUCTURE NUMBER 016-W809

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS327

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -		
	CHECKED - MI, JJS	REVISED -		
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -		
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189
SHEET NO. AS3-27 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	927
		CONTRACT NO. 62A77		
		ILLINOIS	FED. AID PROJECT	

10:22:42 AM

FOR INFORMATION ONLY

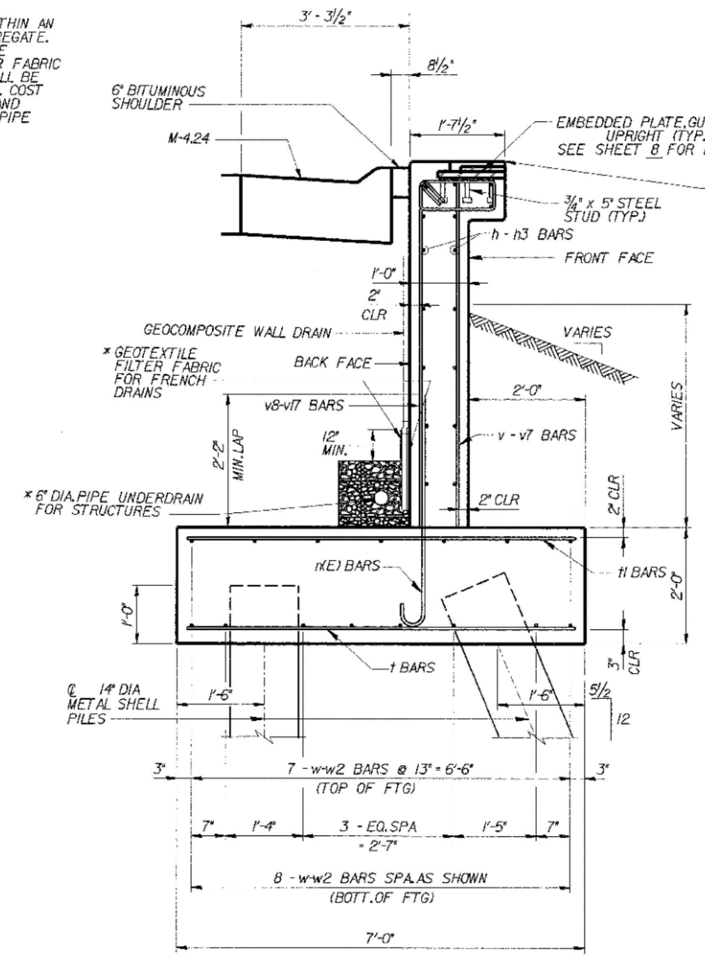
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 8054	*	COOK	246	176
FED. ROAD DIST. # 1	ILLINOIS	FED. AID PROJECT		

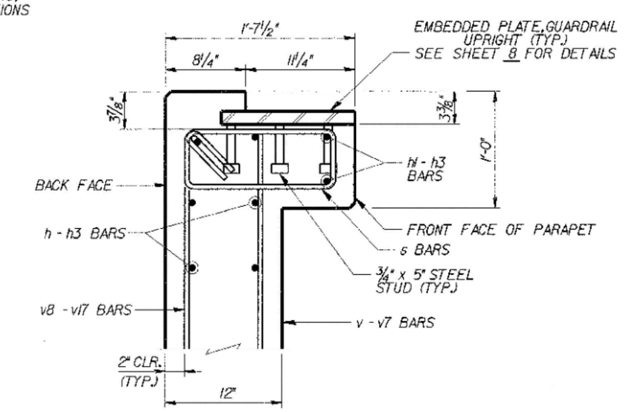
SHEET NO. 5
11 SHEETS

*SECT. (202.6 - 2P, ETC. 1415 & 1517) R-7
CONTRACT NUMBER 62408

*6" PERFORATED PIPE SHALL BE SITUATED WITHIN AN APPROXIMATE 2' X 2' BLOCK OF COARSE AGGREGATE. THE BLOCK OF COARSE AGGREGATE SHALL BE WRAPPED COMPLETELY IN GEOTEXTILE FILTER FABRIC FOR FRENCH DRAINS. A 1' 6" MINIMUM LAP SHALL BE USED WHERE THE FABRIC MUST BE LAPPED. COST OF PERFORATED PIPE, COARSE AGGREGATE AND GEOTEXTILE FILTER FABRIC IS INCLUDED IN PIPE UNDERDRAINS FOR STRUCTURES 6".



TYPICAL SECTION



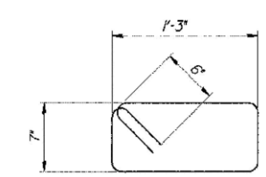
PARAPET DETAIL

REINFORCEMENT SCHEDULE

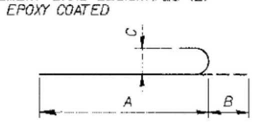
BAR	NO.	SIZE	LENGTH	SHAPE
v	25	#4	4'-6"	
v1	15	#4	4'-1"	
v2	15	#4	5'-9"	
v3	16	#4	5'-5"	
v4	15	#4	5'-0"	
v5	8	#4	3'-9"	
v6	8	#4	3'-4"	
v7	8	#4	2'-11"	
v8	10	#5	5'-1"	
v9	11	#5	4'-8"	
v10	15	#5	6'-5"	
v11	23	#5	6'-0"	
v12	21	#5	5'-7"	
v13	22	#5	5'-2"	
v14	11	#5	4'-10"	
v15	11	#5	4'-4"	
v16	11	#5	3'-11"	
v17	11	#5	3'-4"	
h	8	#4	14'-8"	
h1	12	#4	29'-8"	
h2	14	#4	31'-8"	
h3	28	#4	25'-9"	
n(E)	146	#5	4'-6"	
s(E)	146	#4	4'-6"	
t	128	#4	6'-8"	
t1	132	#5	6'-8"	
w	15	#4	14'-8"	
w1	15	#4	31'-11"	
w2	30	#4	33'-10"	
w3	8	#4	8'-10"	
w4	8	#4	8'-6"	

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED

*6" DIA. PERFORATED PIPE SHALL BE SITUATED WITHIN AN APPROXIMATED 2' x 2' BLOCK OF COARSE AGGREGATE. THE BLOCK OF COARSE AGGREGATE SHALL BE WRAPPED COMPLETELY IN GEOTEXTILE FILTER FABRIC FOR FRENCH DRAINS. A 1'-6" MINIMUM LAP SHOULD BE USED WHERE THE FABRIC MUST BE LAPPED. COST OF PERFORATED PIPE, COARSE AGGREGATED, AND GEOTEXTILE FILTER FABRIC IS INCLUDED IN PIPE UNDERDRAINS FOR STRUCTURES 6".

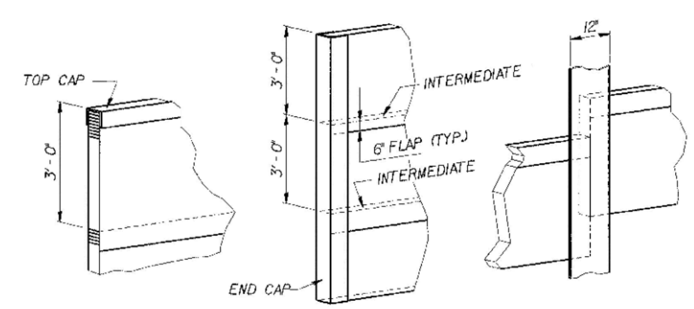


s BARS



BAR	A	B	C
v8	4'-6"	7"	5"
v9	4'-1"	7"	5"
v10	5'-10"	7"	5"
v11	5'-5"	7"	5"
v12	5'-0"	7"	5"
v13	4'-7"	7"	5"
v14	4'-3"	7"	5"
v15	3'-9"	7"	5"
v16	3'-4"	7"	5"
v17	2'-11"	7"	5"
n(E)	3'-9"	7"	5"

v9 - v17 & n(E) BARS

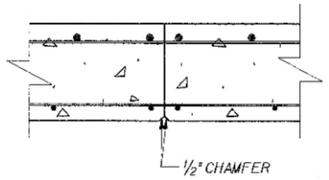


TOP COURSE

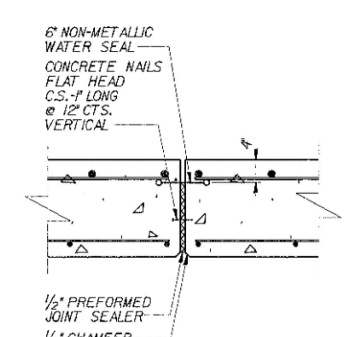
HORIZONTAL SECTION AND SEAM

VERTICAL SPLICE

GEOCOMPOSITE WALL DRAIN DETAILS

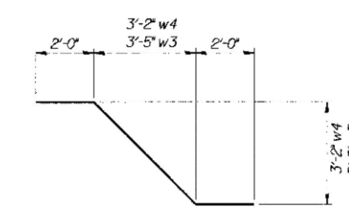


CONSTRUCTION JOINT DETAIL



NOTE:
6" NON-METALLIC WATER SEAL AND PREFORMED JOINT SEALER SHALL BE INCLUDED IN THE COST OF CONCRETE STRUCTURES.

EXPANSION JOINT DETAIL



BARS w3, w4

DESIGNED	CMF
CHECKED	LTX
DRAWN	DPW
CHECKED	JMM

04-Feb-2009 09:37 s:\Dept\Structures\301069 I90 94-retwall\ILL I90 I94\RAMPK\DGNFILES\02-06-RKplan.dgn

REVISIONS	
NAME	DATE

DLZ
DLZ Illinois, Inc.
85 W. Algonquin Rd. Ste. 220
Arlington Heights Il 60005

RETAINING WALL RAMP K
ELEVATION (REINF)
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
SECT.(202.6 - 2P, ETC.1415 & 1517) R-7
STATION 1-54.36,33.5' RT TO 2-63.20,37.7' RT
(RAMP F BASELINE)
COOK COUNTY
STRUCTURE NUMBER 016-W809

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS328

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED -	MAA,JMI	REVISED -		
	CHECKED -	MI, JJS	REVISED -		
PLOT SCALE = N.T.S	DRAWN -	MAA,JMI	REVISED -		
PLOT DATE = 1/31/2020	CHECKED -	MI, JJS	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189

SHEET NO. AS3-28 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	928
CONTRACT NO. 62A77				
ILLINOIS	FED. AID PROJECT			

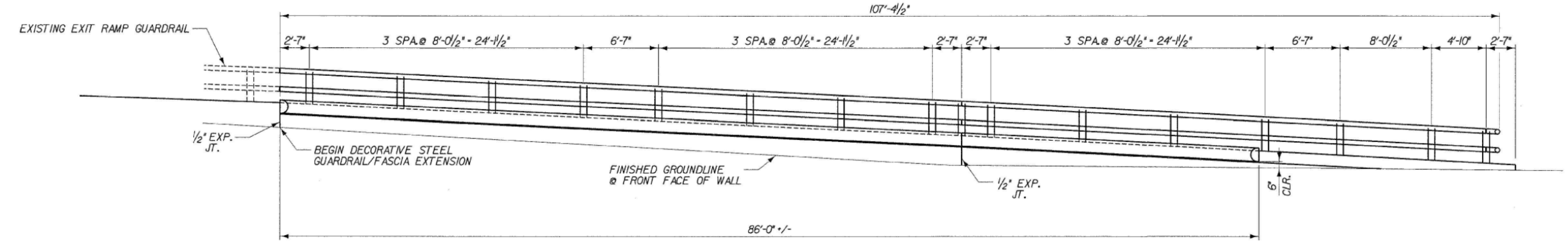
10:22:57 AM

FOR INFORMATION ONLY

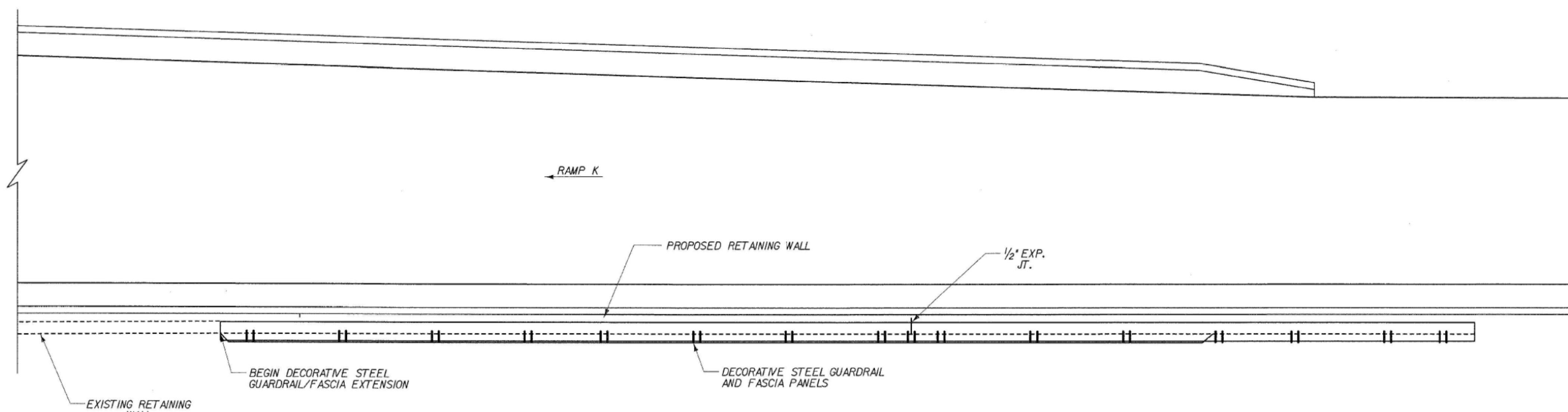
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 9094	*	COOK	246	178
FED. ROAD DIST. # 1		ILLINOIS	FED. AID PROJECT	

*SECT. (202.6 - 2P, ETC, 1415 & 1517) R-7
CONTRACT NUMBER 62408

SHEET NO. 7
11 SHEETS



ELEVATION
(SHOWING FRONT FACE OF WALL)



PLAN

DESIGNED	DPW
CHECKED	ASP
DRAWN	BEM
CHECKED	ASP

04-Feb-2009 09:38 s:\Dept\Structures\301099 I90 94-retwall\ILL I90 I94\RAMPK\DGNFILES\07-RAILINGPLANANDELEV.dgn

DLZ
DLZ Illinois, Inc.
85 W. Algonquin Rd. Ste. 220
Arlington Heights Il 60005

REVISIONS	
NAME	DATE

RETAINING WALL RAMP K
RAILING PLAN AND ELEVATION
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
SECT.(202.6 - 2P, ETC, 1415 & 1517) R-7
STATION 1+54.36, 33.5' RT TO 2+63.20, 37.7' RT
(RAMP F BASELINE)
COOK COUNTY
STRUCTURE NUMBER 016-W809

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS329

HBM ENGINEERING GROUP, LLC

USER NAME =	ahmad.issa	DESIGNED -	MAA,JMI	REVISED -
		CHECKED -	MI, JJS	REVISED -
PLOT SCALE =	N.T.S	DRAWN -	MAA,JMI	REVISED -
PLOT DATE =	1/31/2020	CHECKED -	MI, JJS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189
SHEET NO. AS3-29 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	929
CONTRACT NO. 62A77				
	ILLINOIS	FED. AID PROJECT		

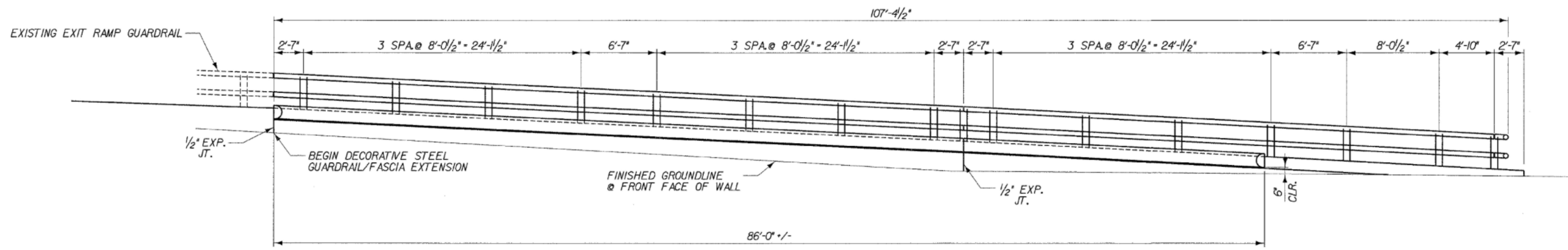
10:23:11 AM

FOR INFORMATION ONLY

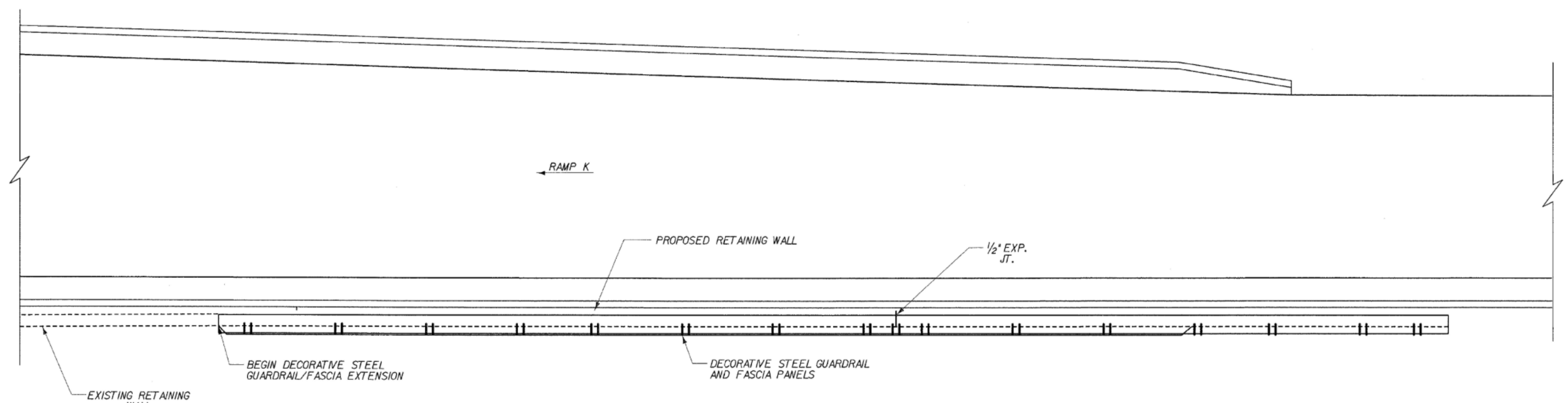
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 9094	*	COOK	246	178
FED. ROAD DIST. # 1	ILLINOIS	FED. AID PROJECT		

*SECT. (202.6 - 2P, ETC. 1415 & 1517) R-7
CONTRACT NUMBER 62408

SHEET NO. 7
11 SHEETS



ELEVATION
(SHOWING FRONT FACE OF WALL)



PLAN

DESIGNED	DPW
CHECKED	ASP
DRAWN	BEM
CHECKED	ASP

04-Feb-2009 09:38 s:\Dept\Structures\301099 I90 94-retwall\ILL I90 I94\RAMPK\DGNFILES\07-RAILINGPLANANDELEV.dgn

DLZ
DLZ Illinois, Inc.
85 W. Algonquin Rd. Ste. 220
Arlington Heights Il 60005

REVISIONS	
NAME	DATE

RETAINING WALL RAMP K
RAILING PLAN AND ELEVATION
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
SECT.(202.6 - 2P, ETC.1415 & 1517) R-7
STATION 1-54.36, 33.5' RT TO 2+63.20, 37.7' RT
(RAMP F BASELINE)
COOK COUNTY
STRUCTURE NUMBER 016-W809

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS330

HBM ENGINEERING GROUP, LLC

USER NAME =	ahmad.issa	DESIGNED -	MAA,JMI	REVISED -			
		CHECKED -	MI, JJS	REVISED -			
PLOT SCALE =	N.T.S	DRAWN -	MAA,JMI	REVISED -			
PLOT DATE =	1/31/2020	CHECKED -	MI, JJS	REVISED -			

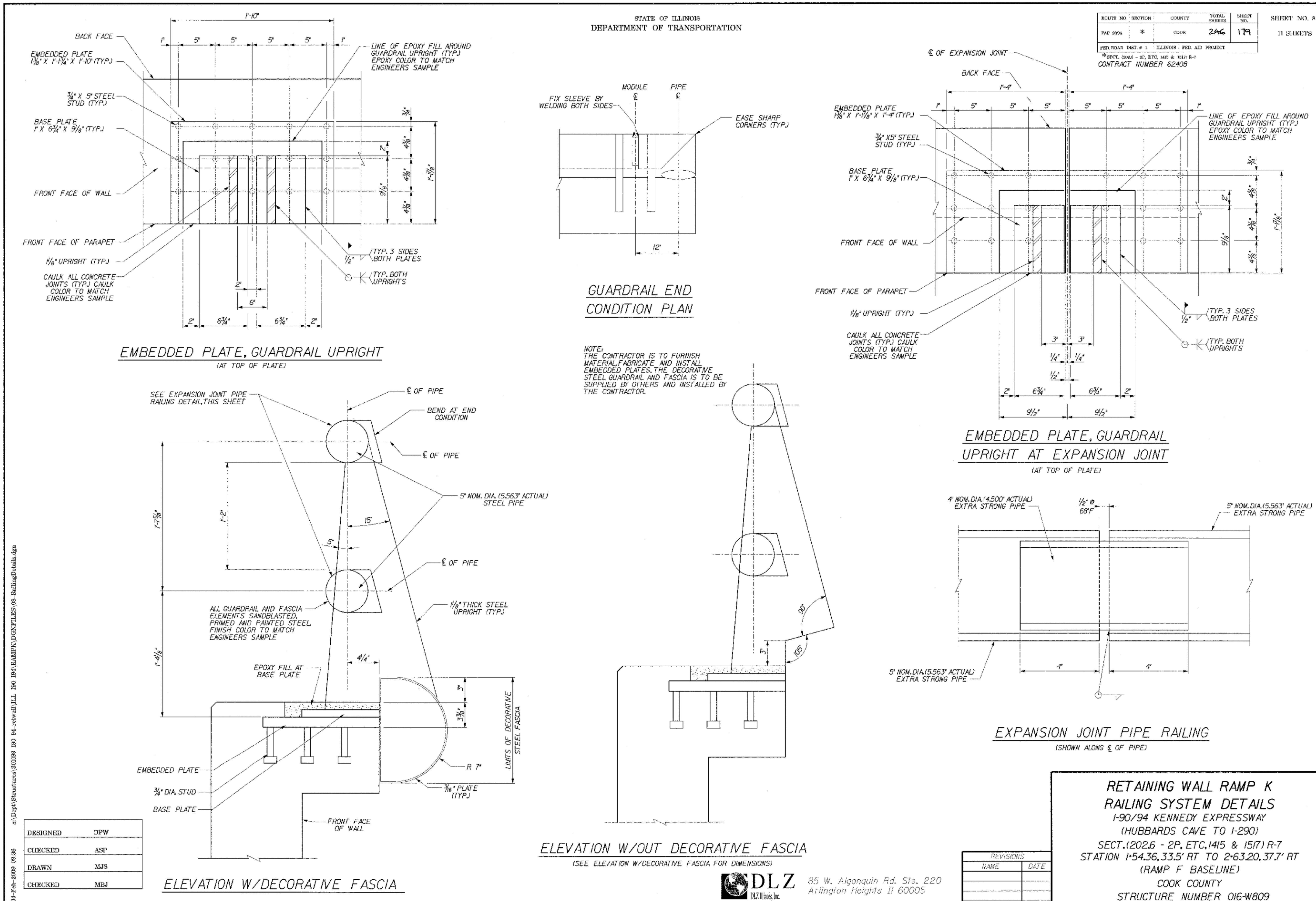
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189
SHEET NO. AS3-30 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	930
		CONTRACT NO. 62A77		
		ILLINOIS	FED. AID PROJECT	

10:23:26 AM

FOR INFORMATION ONLY



FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS331

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -
	CHECKED - MI, JJS	REVISED -
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189
SHEET NO. AS3-31 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	931
		CONTRACT NO. 62A77		
		ILLINOIS	FED. AID PROJECT	

10:23:40 AM

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 9094	*	COOK	246	181
FED. ROAD DIST. # 1	ILLINOIS	FED. AID PROJECT		

*SECT. (202.6 - 2P, ETC, 1415 & 1517) R-7
CONTRACT NUMBER 62408

SHEET NO. 10
11 SHEETS

Everest Engineering Company
STRUCTURE BORING LOG

Page 1 of 1
Date 8/21/00

ROUTE FAI 90/94 DESCRIPTION I-90/94 KENNEDY EXPRESSWAY (HUBBARDS CAVE TO I-290)

SECT. 101.6 (1P, 2P) & 202.6 (1P) STRUCT. NO. ______ DRILLED BY PATRICK DRILLING INC.

COUNTY COOK LOCATION BETWEEN MADISON AND MONROE S. 9 , TWP. 39N , RNG. 14 EAST

Boring No. K-1
Station 1+70
Offset 42.00ft RT
Surface Elev. 583.99 ft

Surface Water Elev. N/A
Groundwater Elev.:
when drilling ______
at Completion ______
after ______ Hrs. ______

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Asphalt Pavement	583.79				
Concrete Pavement	583.19				
Loose to Very Dense, Gray Crushed Aggregate traces - fines			7 22 33	- -	3
(FILL)	579.49	-5	3 5 3	0.5 P	16
Medium Stiff, Black SILTY CLAY LOAM little - topsoil traces - sand, gravel and organics (FILL)	578.49		1 2 2	0.21 B	24
Very Soft to Medium Stiff, Gray CLAY/SILTY CLAY traces - sand and gravel		-10	2 1 2	0.16 B	21
			0 2 4	0.37 B	22
		-15	0 1 1	0.33 B	23
			0 1 1	0.33 B	25
		-20	0 2 2	0.37 B	26
			0 0 1	0.29 B	26
		-25	0 1 2	0.16 B	25

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
			0 0 2	0.25 B	23
		-30	0 0 2	0.45 B	26
		-35	0 2 2	0.66 B	24
		-40	0 1 2	0.49 B	21
	542.99				
Stiff, Gray SILTY CLAY traces - sand and gravel		-45	3 4 6	1.57 B	21
BORING COMPLETED AT 50.0 FEET	533.99	-50	3 5 5	1.32 B	18

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

s:\Dept\Structures\301099 I90 I94\RAMPK\DGNFILES\09-10-RK-Boring Logs.dgn
04-Feb-2009 10:23

DESIGNED	CMF
CHECKED	LTX
DRAWN	DPW
CHECKED	JMM

DLZ
DLZ Illinois, Inc.
85 W. Algonquin Rd. Ste. 220
Arlington Heights Il 60005

REVISIONS	
NAME	DATE

RETAINING WALL RAMP K
BORING LOGS
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
SECT.(202.6 - 2P, ETC.1415 & 1517) R-7
STATION 1+54.36, 33.5' RT TO 2+63.20, 37.7' RT
(RAMP F BASELINE)
COOK COUNTY
STRUCTURE NUMBER 016-W809

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS332

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	
	CHECKED - MI, JJS	REVISED -	
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -	
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189

SHEET NO. AS3-32 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	932
		CONTRACT NO. 62A77		
		ILLINOIS	FED. AID PROJECT	

10:23:54 AM

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 9094	*	COOK	246	182
FED. ROAD DIST. # 1		ILLINOIS	FED. AID PROJECT	

*SECT. (202.6 - 2P, ETC, 1415 & 1517) R-7
CONTRACT NUMBER 62408

SHEET NO. 11
11 SHEETS

Everest Engineering Company
STRUCTURE BORING LOG

Page 1 of 2
Date 8/22/00

ROUTE FAI 90/94 DESCRIPTION I-90/94 KENNEDY EXPRESSWAY (HUBBARDS CAVE TO I-290)
SECT. 101.6 (1P, 2P) & 202.6 (1P) STRUCT. NO. ______ DRILLED BY PATRICK DRILLING INC.
COUNTY COOK LOCATION BETWEEN MADISON AND MONROE S. 9, TWP. 39N, RNG. 14 EAST

Boring No. K-2
Station 2+45
Offset 45.00ft RT
Surface Elev. 587.67 ft

Surface Water Elev. N/A
Groundwater Elev.:
when drilling 524.7
at Completion 524.7
after ____ Hrs. ____

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
Asphalt Pavement	587.47				
Concrete Pavement	586.87				
Medium Dense, Gray Crushed Aggregate traces - fines (FILL)	585.67		7 6 5	3.0 P	12
Very Stiff, Gray and Black SILTY CLAY LOAM traces - topsoil, sand, gravel and organics (FILL)	584.17	-5	4 4 4	0.66 B	18
Medium Stiff, Brownish Gray SILTY CLAY traces to little - sand and gravel (FILL)	579.67		1 2 2	- -	-
Very soft to Soft, Gray CLAY/SILTY CLAY traces - sand and gravel		-10	0 1 1	0.12 P	26
			0 1 1	0.16 B	22
		-15	0 1 1	0.16 B	25
Shelby tube sample - 16' to 18'				<0.25 P	24
		-20	0 1 1	0.25 B	22
			0 1 2	0.33 B	25
		-25	1 1 1	0.29 B	25

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
			0 0 1	0.21 B	26
Shelby tube sample - 28.5' to 30.5'		-30		<0.25 P	24
		-35	0 0 1	0.21 B	25
		-40	2 3 4	0.25 B	23
		-45	4 7 7	0.21 B	21
Stiff to Very Stiff, Gray SILTY CLAY traces - sand and gravel	541.67				
		-50	3 7 11	1.65 B	19

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

Everest Engineering Company
STRUCTURE BORING LOG

Page 2 of 2
Date 8/22/00

STRUCTURE NO. ______
ROUTE FAI 90/94
SECTION 101.6 (1P, 2P) & 202.6 (1P)
COUNTY COOK

Boring No. K-2
Station 2+45
Offset 45.00ft RT
Elevation 537.67 ft

Description	Elev.	DEPTH	BLOWS	Qu tsf	W %
		-55	2 5 7	1.32 B	14
	528.17	-60	6 19 25	2.31 B	17
Dense, Gray SANDY LOAM little - gravel	526.67				
Stiff, Gray SILTY CLAY traces - sand and gravel		-65	3 6 8	1.73 B	24
		-70	3 5 6	1.0 B	25
	515.67				
Very Dense, Gray SANDY LOAM little - gravel	512.67	-75	16 45 22	- -	7

Description	DEPTH	BLOWS	Qu tsf	W %
BORING COMPLETED AT 75.0 FEET	-80			
	-85			
	-90			
	-95			
	-100			

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

a:\Dept\Structures\301099 I90 94-retwall\ILL I90 I94\RAMPK\DGNFILES\09-10-RK-Boring Logs.dgn
04-Feb-2009 10:23

DESIGNED	CMF
CHECKED	LTX
DRAWN	DPW
CHECKED	JMM

DLZ
DLZ Illinois, Inc.
85 W. Algonquin Rd. Ste. 220
Arlington Heights Il 60005

REVISIONS	
NAME	DATE

RETAINING WALL RAMP K
BORING LOGS
I-90/94 KENNEDY EXPRESSWAY
(HUBBARDS CAVE TO I-290)
SECT.(202.6 - 2P, ETC.1415 & 1517) R-7
STATION 1+54.36, 33.5' RT TO 2+63.20, 37.7' RT
(RAMP F BASELINE)
COOK COUNTY
STRUCTURE NUMBER 016-W809

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS333

HBM
ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING RECORD DRAWINGS STRUCTURE NO. 016-1189
	CHECKED - MI, JJS	REVISED -		
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -		
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -		SHEET NO. AS3-33 OF AS3-42 SHEETS

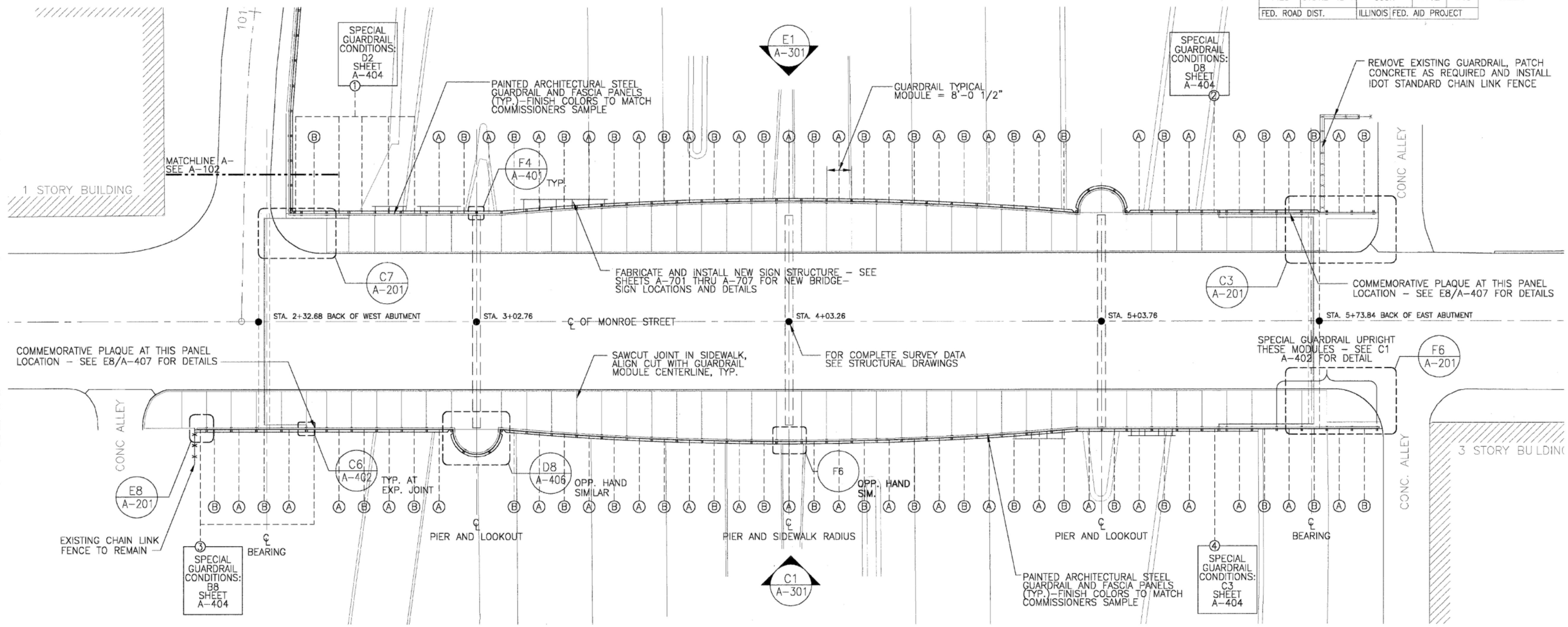
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	933
		CONTRACT NO. 62A77		
		ILLINOIS	FED. AID PROJECT	

10:24:09 AM

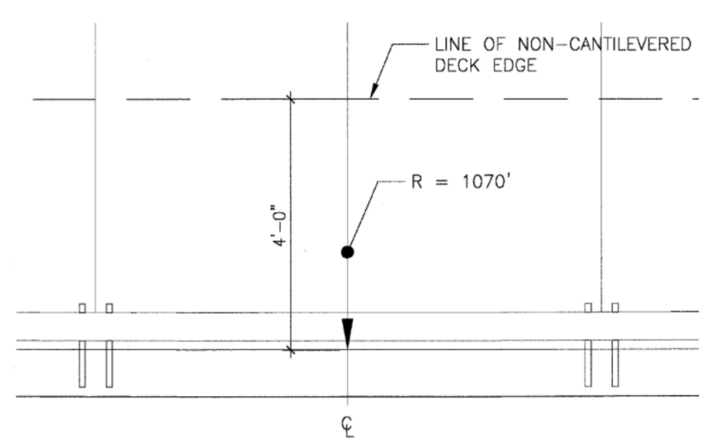
FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1420	0101.2-4B-R	COOK	246	218
FED. ROAD DIST.		ILLINOIS FED. AID PROJECT		

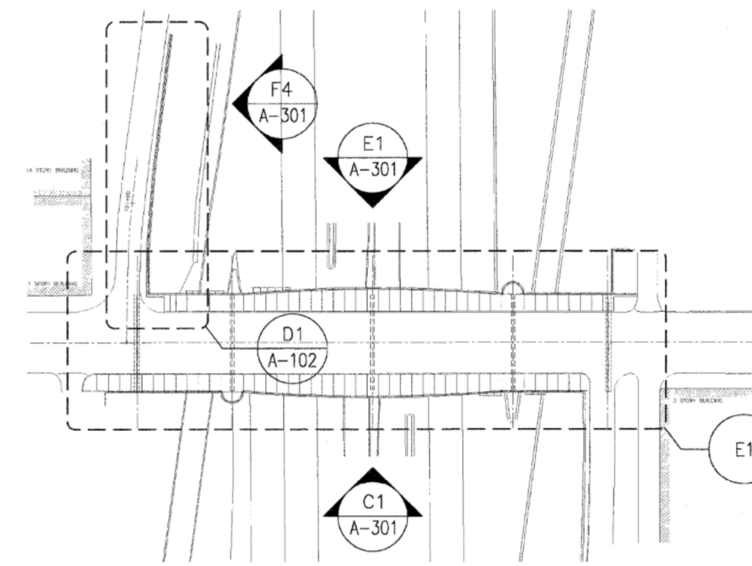
SHEET NO. A-101
SHEETS



E1 BRIDGE - PLAN
SCALE: 1/16"=1'-0"



F6 SIDEWALK CANTILEVER - PLAN DETAIL
SCALE: 3/4"=1'-0"



F3 BRIDGE - KEY PLAN
SCALE: NTS

DESTEFANO | KEATING
partners limited
Architecture
445 East Illinois Street
Chicago, Illinois

BRIDGE PLAN

MONROE STREET OVER I-90/94
KENNEDY EXPRESSWAY
F.A.U. RTE. 1420, SEC. 0101.2-4B-R
COOK COUNTY
STA. 4+03.26
STR. NUM. 016-2054

Scale: AS NOTED

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS334

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -
	CHECKED - MI, JJS	REVISED -
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189

SHEET NO. AS3-34 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	934
		CONTRACT NO. 62A77		
		ILLINOIS FED. AID PROJECT		

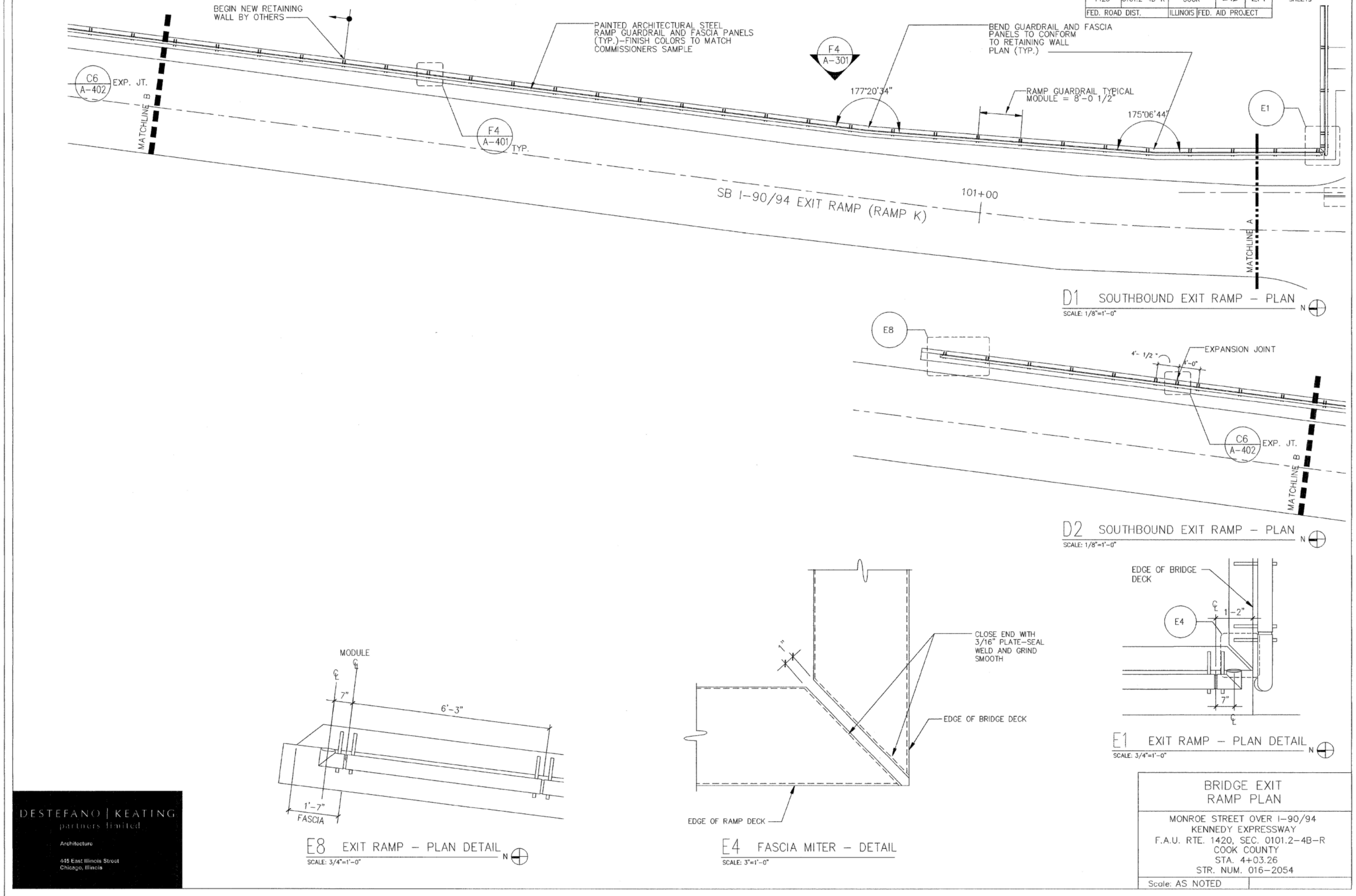
10:24:23 AM

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1420	0101.2-4B-R	COOK	246	219
FED. ROAD DIST.		ILLINOIS FED. AID PROJECT		

SHEET NO. A-102
SHEETS



DESTEFANO | KEATING
partners limited
Architecture
445 East Illinois Street
Chicago, Illinois

BRIDGE EXIT
RAMP PLAN

MONROE STREET OVER I-90/94
KENNEDY EXPRESSWAY
F.A.U. RTE. 1420, SEC. 0101.2-4B-R
COOK COUNTY
STA. 4+03.26
STR. NUM. 016-2054

Scale: AS NOTED

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS335

10:24:38 AM

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	
	CHECKED - MI, JJS	REVISED -	
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -	
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189

SHEET NO. AS3-35 OF AS3-42 SHEETS

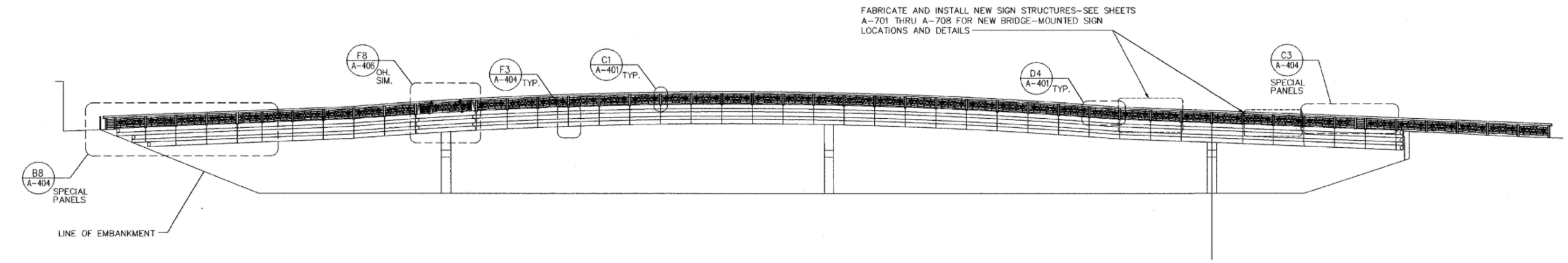
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	935
		CONTRACT NO. 62A77		
		ILLINOIS FED. AID PROJECT		

FOR INFORMATION ONLY

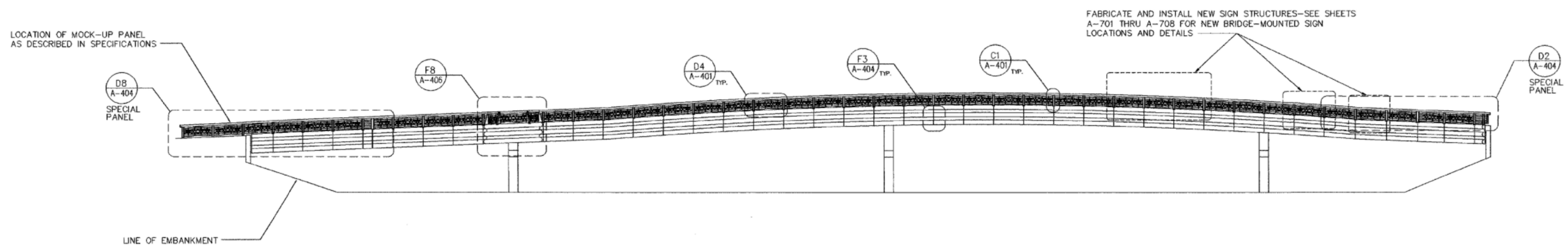
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1420	0101.2-4B-R	COOK	246	222
FED. ROAD DIST.		ILLINOIS	FED. AID PROJECT	

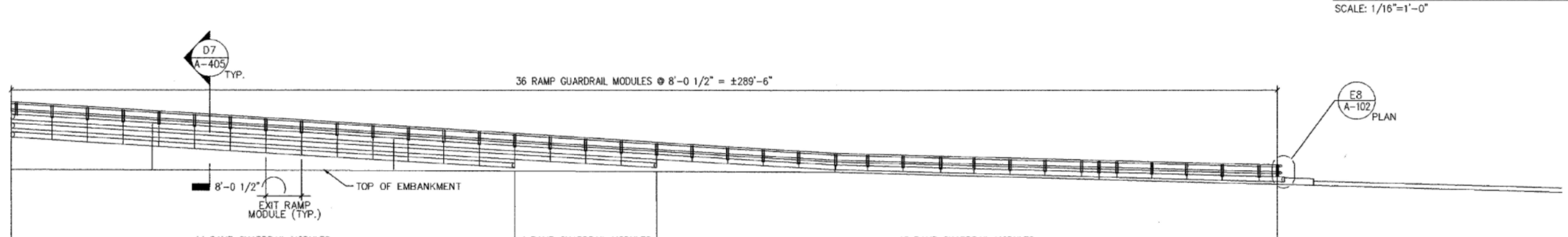
SHEET NO. A-301
SHEETS



C1 BRIDGE - SOUTH ELEVATION (LOOKING NORTHBOUND)
SCALE: 1/16"=1'-0"



E1 BRIDGE - NORTH ELEVATION (LOOKING SOUTHBOUND)
SCALE: 1/16"=1'-0"



F4 SB I-90/94 EXIT RAMP (RAMP K) - ELEVATION
SCALE: 1/16"=1'-0"

DESTEFANO | KEATING
partners limited
Architecture
445 East Illinois Street
Chicago, Illinois

BRIDGE AND EXIT
RAMP ELEVATIONS

MONROE STREET OVER I-90/94
KENNEDY EXPRESSWAY
F.A.U. RTE. 1420, SEC. 0101.2-4B-R
COOK COUNTY
STA. 4+03.26
STR. NUM. 016-2054

Scale: AS NOTED

8 7 6 5 4 3 2 1

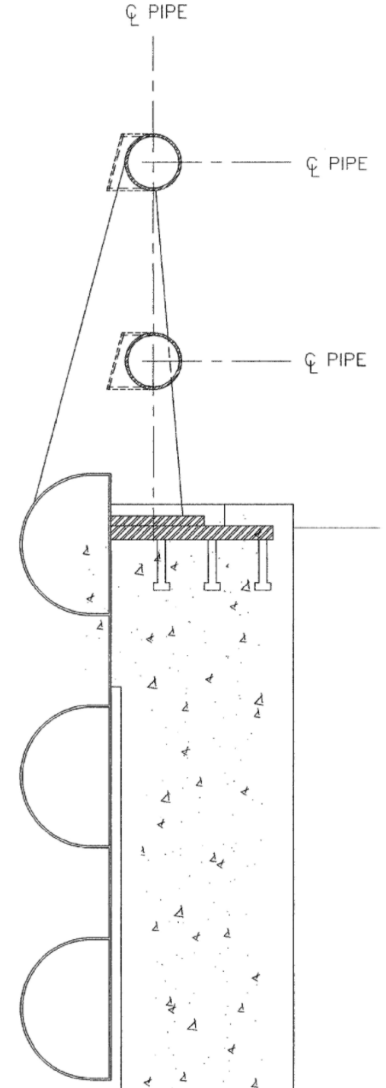
A B C D E F

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

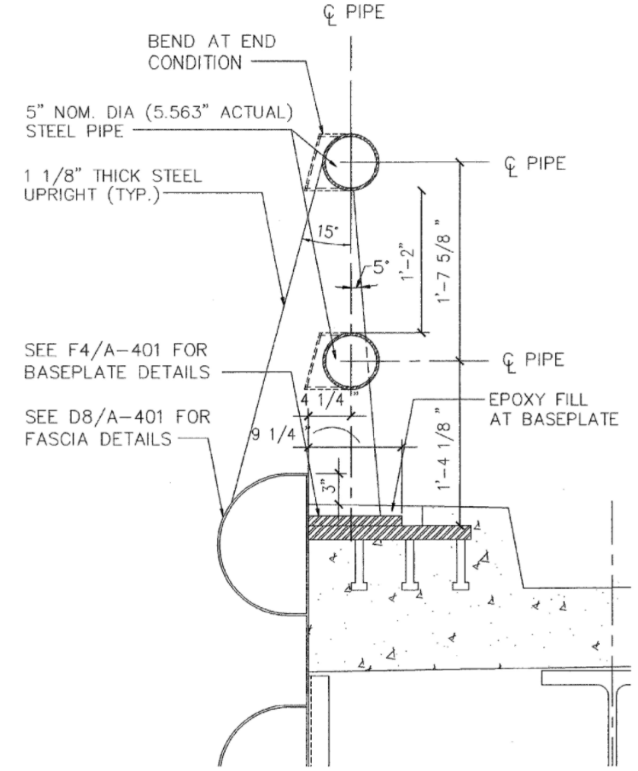
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1420	0101.2-4B-R	COOK	246	223
FED. ROAD DIST.		ILLINOIS	FED. AID PROJECT	

SHEET NO. A-405
SHEETS

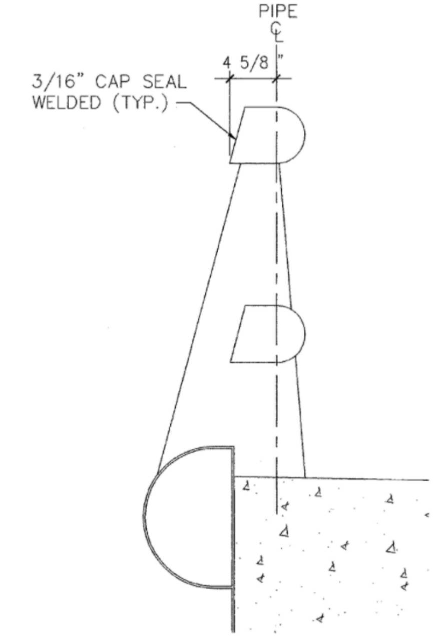
SEE D8 FOR TYPICAL NOTES AND DIMENSIONS



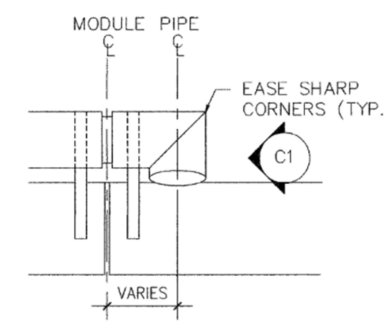
D7 RAMP GUARDRAIL/FASCIA AT EXIT RAMP RETAINING WALL - SECTION
SCALE: 1-1/2"=1'-0"



D8 RAMP GUARDRAIL/FASCIA SECTION
SCALE: 1-1/2"=1'-0"



C1 RAMP GUARDRAIL END CONDITION-ELEVATION
SCALE: 1-1/2"=1'-0"



E8 RAMP GUARDRAIL END CONDITION-PLAN
SCALE: 1-1/2"=1'-0"

DESTEFANO | KEATING
partners limited
Architecture
445 East Illinois Street
Chicago, Illinois

RAMP GUARDRAIL

MONROE STREET OVER I-90/94
KENNEDY EXPRESSWAY
F.A.U. RTE. 1420, SEC. 0101.2-4B-R
COOK COUNTY
STA. 4+03.26
STR. NUM. 016-2054

Scale: AS NOTED

8 7 6 5 4 3 2 1

A B C D E F

HBM ENGINEERING GROUP, LLC

USER NAME =	ahmad.issa	DESIGNED -	MAA,JMI	REVISED -	
		CHECKED -	MI, JJS	REVISED -	
PLOT SCALE =	N.T.S	DRAWN -	MAA,JMI	REVISED -	
PLOT DATE =	1/31/2020	CHECKED -	MI, JJS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189
SHEET NO.AS3-37 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	937
CONTRACT NO. 62A77				
		ILLINOIS	FED. AID PROJECT	

10:25:07 AM

FOR INFORMATION ONLY

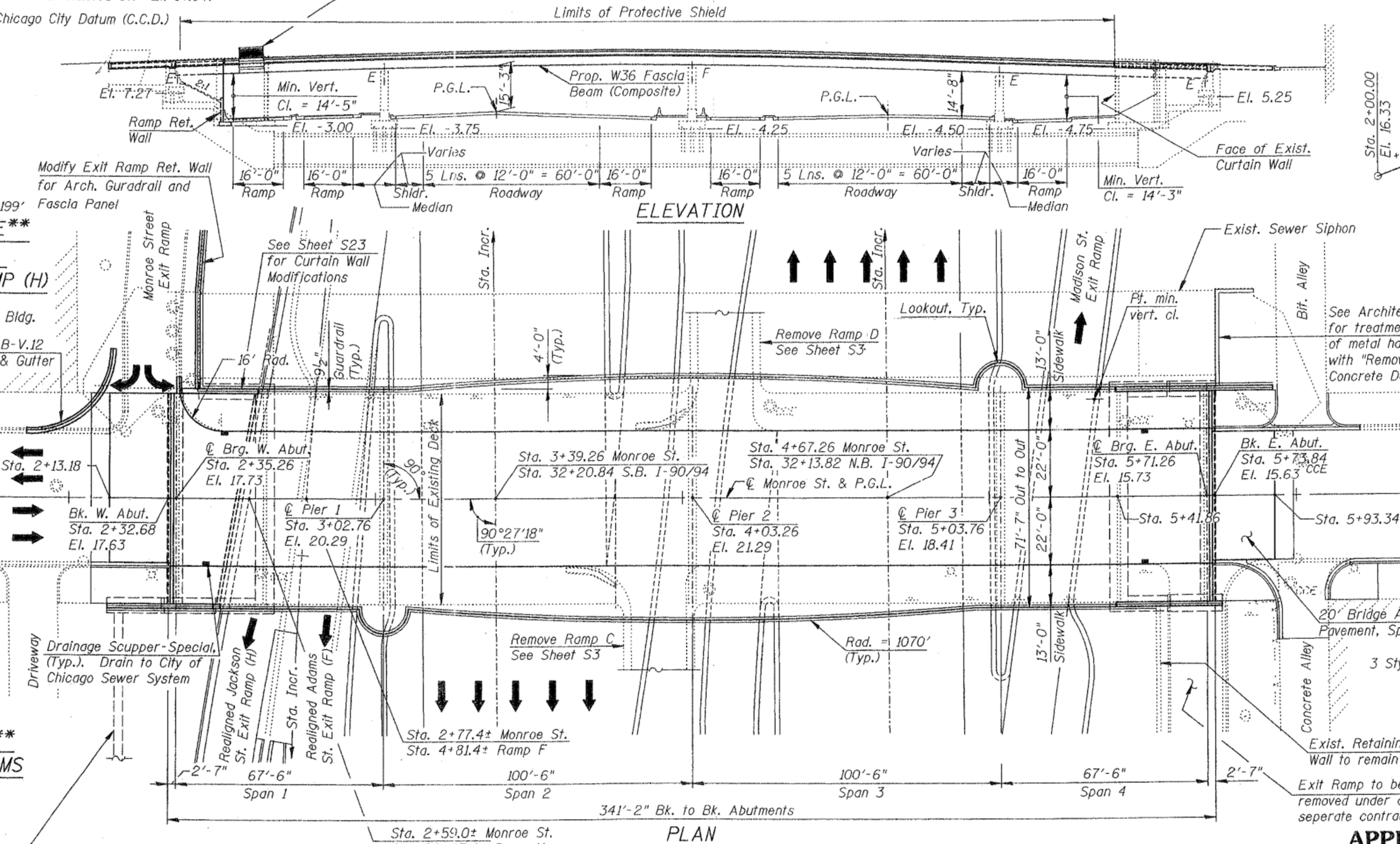
Benchmark: #4614
"□" Cut at southwest corner of concrete door sill on west side of multi-story brick bldg. approx. 95' north of North line of Monroe St., on or about the East line of Halsted St. El. 14.94.
All Elevations are based on the Chicago City Datum (C.C.D.)

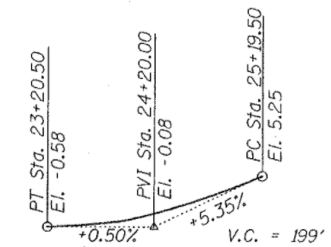
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

See Architectural plans for bridge mounted sign structures.

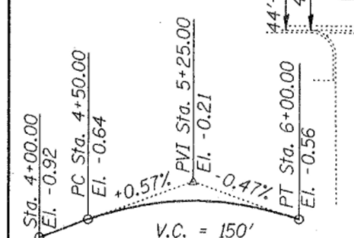
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 1420	0101.2-4B-R	COOK	147	34
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. S1 OF S31 SHEETS



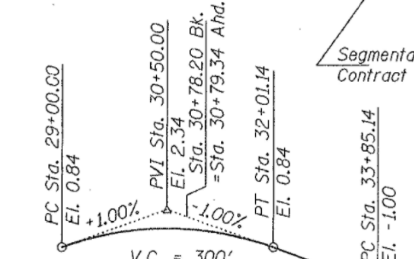


PROFILE GRADE LINE**
ALONG REALIGNED JACKSON ST. EXIT RAMP (H)

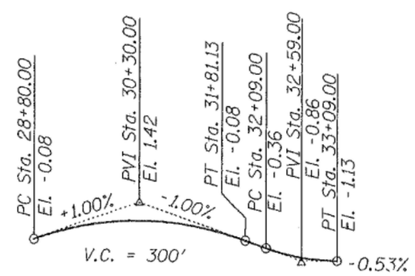


PROFILE GRADE LINE**
ALONG REALIGNED ADAMS ST. EXIT RAMP (F)

Segmental Concrete Block Wall as part of IDOT Contract No. 62408 See Sheet S23



PROFILE GRADE LINE*
ALONG SOUTHBOUND I-90/94



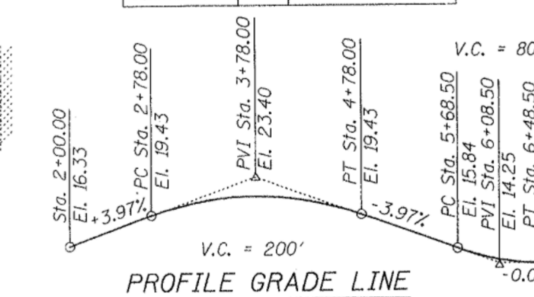
PROFILE GRADE LINE*
ALONG NORTHBOUND I-90/94

DESIGNED	BLU
CHECKED	SF
DRAWN	BLU
CHECKED	SF

DATE: 04-14-03

*Taken from exist. plans Section 0101.6-2P, dated April 1957.

**Jackson & Adams St. Exit Ramp (H) and (F) P.G.L.'s taken from IDOT Contract No. 62408. Realignment of ramps to be done as part of that contract.



PROFILE GRADE LINE
ALONG ℄ MONROE ST.

DESIGN SPECIFICATIONS

1996 AASHTO, 1997 and 1998 Interims.
1995 Seismic Retrofitting Manual for Highway Bridges (FHWA-RD-94-052).

LOADING HS20

Allow 50 psf. for future wearing surface

DESIGN STRESSES

NEW CONSTRUCTION

f'_c = 3,500 psi
f_y = 60,000 psi (Reinf.)
f_y = 50,000 psi (Structural Steel M270 Grade 50)
f_y = 36,000 psi (Structural Steel M270 Grade 36)

EXISTING CONSTRUCTION

f'_c = 3,500 psi
f_s = 20,000 psi (Reinf.)
f_y = 33,000 psi (Structural Steel)
n = 10

SEISMIC DATA

Seismic Performance Category (S.P.C.) = A
Bedrock Acceleration (A) = 0.04 g
Site Coefficient (S) = 1.0

EXISTING STRUCTURE DESCRIPTION:

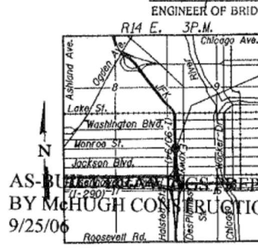
The Monroe Street Bridge (SN 016-2054) was built as F.A. Route 173, Section 0101.2-4B in 1954. The structure is a four-span continuous composite steel beam bridge with a reinforced concrete deck and bituminous overlay. The span lengths are: 67'-6", 2 @ 100'-6" and 67'-6" and the total length back to back of abutments is 341'-2". The deck is 68'-6" wide and carries four traffic lanes. The structure skew is 0°00'00". The bridge is supported by stub abutments and multi-column piers founded on timber piles. The bridge shall be closed to traffic during rehabilitation. No salvage.

The Ramps C and D Bridges (SN 016-2054) were built as F.A. Route 2, Section 0101.6-2P in 1958. The ramps are three-span simply supported, composite steel beam bridges with reinforced concrete decks and bituminous overlays. The span lengths are: 55'-9", 56'-6" and 56'-4" and the ramps are connected to retained fill structures. The decks are 22'-6" wide and carry one lane of traffic. The ramps are skewed 0°27'18" relative to Monroe St. The ramps are supported by stub abutments and single column hammerhead piers founded on caissons and retaining walls founded on piles and caissons. Both ramps shall be removed; no salvage.

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS SANDOR FERENCZI 81-3253 CHICAGO, IL LICENSED STRUCTURAL ENGINEER

Sandor Ferenczi
Date: 04-14-03
License Expires: November 30, 2004



Project Location

LOCATION MAP

AS-BUILT DRAWINGS PREPARED BY McHUGH CONSTRUCTION.
9/25/06

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 475

GENERAL PLAN & ELEVATION
MONROE STREET (F.A.U. 1420)
OVER I-90/94 KENNEDY EXPWY.
SECTION 0101.2-4B-R
COOK COUNTY
STATION 4+03.26
S.N. 016-2054

default 04/15/2003 02:22:13 PM n:\475\CADD\2003\BRIDGE\MONROE\475bpe01.dgn

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS338

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -
	CHECKED - MI, JJS	REVISED -
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189
SHEET NO. AS3-38 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	938
		CONTRACT NO. 62A77		
	ILLINOIS	FED. AID PROJECT		

10:25:22 AM

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 1420	0101.2-4B-R	COOK	147	35
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. S2 OF S31 SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

Fasteners shall be high strength bolts. Bolts $\frac{7}{8}$" ϕ, open holes $\frac{15}{16}$" ϕ, unless otherwise noted.

Calculated weight of Structural Steel:
M270 Grade 50 = 252,570 lbs.
M270 Grade 36 = 7660 lbs.

Field welding of construction accessories will not be permitted to beams or girders.

Anchor bolts shall be set before bolting diaphragms over supports.

The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the wide flange beams and all splice plate material except fill plates.

Reinforcement bars shall conform to the requirements of AASHTO M31, M42 or M53 Grade 60.

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Bridge Seat Sealer shall be applied to the seat area of the abutments.

The existing structural steel coating contains lead. The Contractor should take appropriate precautions to deal with the presence of lead on this project.

Cleaning and painting of the existing structural steel shall be as specified in the Special Provision for "Cleaning and Painting Existing Steel Structures". All beams, bearings and other structural steel within 5 feet (measured along the beams) of either side of deck joints shall be cleaned per Near White Blast Cleaning -- SSPC-SP10. All remaining structural steel shall be cleaned per Power Tool Cleaning -- Modified SSPC-SP3.

The designated areas cleaned per Near White Blast Cleaning -- SSPC-SP10 shall be painted according to the requirements of Paint System 1 - OZ/E/U. The designated areas cleaned per Power Tool Cleaning -- Modified SSPC-SP3 shall be painted according to the requirements of Paint System 2 - PS/EM/U. The color of the final finish coat for all steel surfaces shall be Gray, Munsell No 5B 7/1.

The Inorganic zinc rich primer/Acrylic/Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all steel surfaces shall be Gray Munsell No. 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures".

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two $\frac{1}{8}$" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims. For Type I Elastomeric Bearings, two $\frac{1}{8}$" adjusting shims shall be provided for each bearing and placed as detailed.

Slope wall shall be reinforced with welded wire fabric, 6" x 6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

All construction joints shall be bonded.

DESIGNED	LT
CHECKED	BLU
DRAWN	LT
CHECKED	BLU

DATE: 04-14-03

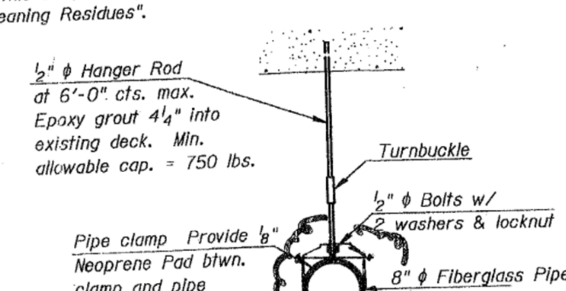
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Structure Excavation	Cu. Yd.	-	188	188
Removal of Existing Structures	Each	2	-	2
Removal of Existing Concrete Deck	Each	1	-	1
Structural Steel Removal	Pound	201,230	-	201,230
Protective Shield	Sq. Yd.	2,950	-	2,950
Jack and Remove Existing Bearings	Each	-	40	40
Concrete Removal	Cu. Yd.	-	170.1	170.1
Cleaning and Painting Steel Bridge No. 1	L. Sum	1	-	1
Containment and Disposal of Lead Paint Cleaning Residues No. 1	L. Sum	1	-	1
Furnishing and Erecting Structural Steel	L. Sum	0.5	-	0.5
Stud Shear Connectors	Each	9,080	-	9,080
Elastomeric Bearing Assembly Type I	Each	-	24	24
Elastomeric Bearing Assembly Type II	Each	-	24	24
Neoprene Expansion Joint $2\frac{1}{2}$"	Foot	140	-	140
Concrete Superstructure	Cu. Yd.	973.4	-	973.4
Concrete Structures	Cu. Yd.	-	122.5	122.5
Reinforcement Bars, Epoxy Coated	Pound	174,130	15,240	189,370
Bridge Seat Sealer	Sq. Ft.	-	277	277
Protective Coat	Sq. Yd.	2,872	-	2,872
Bridge Deck Grooving	Sq. Yd.	1,583	-	1,583
Drainage System	L. Sum	-	0.5	0.5
Drainage Scuppers (Special)	Each	4	-	4
High Performance-Enhanced Shotcrete	Sq. Ft	-	373	373
Epoxy Crack Sealing	Foot	-	15	15
Temporary Shoring and Cribbing	L. Sum	-	0.5	0.5
Slope Wall 4 Inch	Sq. Yd.	-	161	161
Earth Excavation	Cu. Yd.	-	97	97
Bar Splicers	Each	-	99	99
Temporary Soil Retention System	Sq. Ft.	-	470	470

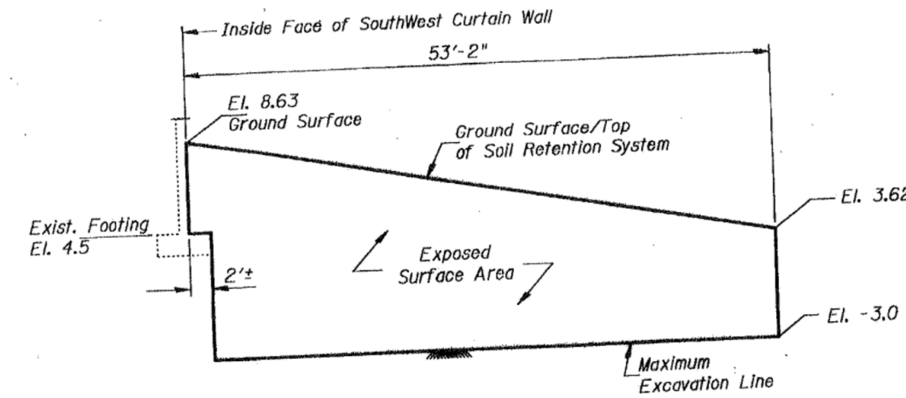
Prior to pouring the new concrete deck, all loose rust, loose mill scale, and other loose potentially detrimental foreign material shall be removed from the surfaces of the beams or girders in contact with concrete. The cost of this work will be included in the pay item covering removal of the existing concrete. All heavy rust and other tightly adhered potentially detrimental foreign matter shall also be removed from the surfaces of the beams or girders in contact with concrete. Tightly adhered paint may remain unless otherwise noted. This removal shall be accomplished by methods that will not damage the steel. The cost of this work will be paid for according to Article 109.04.

All existing construction accessories welded to the top flange over the pier between the quarter points of the beams or girders shall be removed. The remaining weld shall be ground smooth and inspected for cracks using magnetic particle testing. Any cracks that can not be removed by grinding approximately $\frac{1}{4}$ inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of this work will be paid for according to Article 109.04.

A minimum of 2 air monitors will be required to monitor abrasive blasting operations at this site, see special provision for "Containment and Disposal of Lead Paint Cleaning Residues".



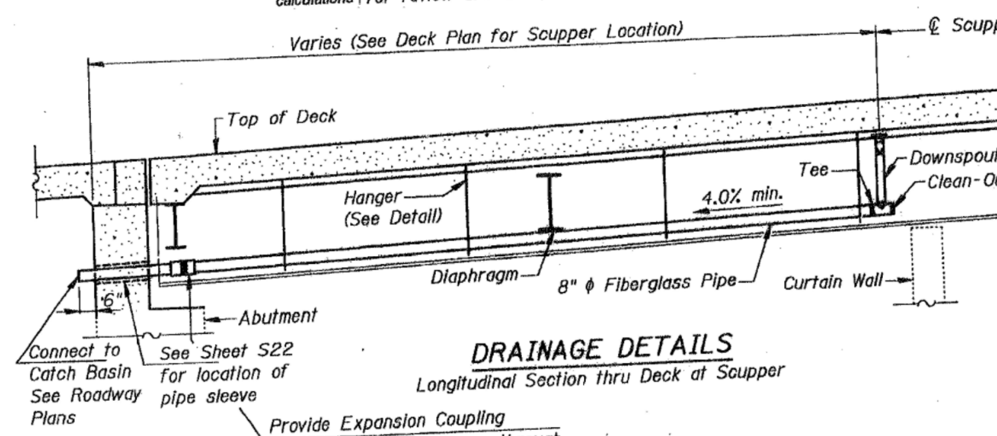
HANGER



TEMPORARY SOIL RETENTION SYSTEM

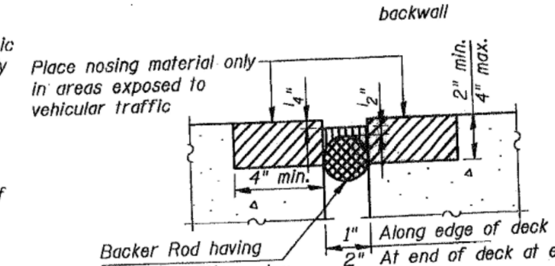
See Sheet S-25

A cantilevered sheet piling design does not appear feasible and additional member or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.



DRAINAGE DETAILS

Longitudinal Section thru Deck at Scupper



DETAIL A

"XJS" Type Expansion Joint

Install X.J.S. joint system by DOW Corning, or approved equal according to manufacturer's instructions in areas where deck is notched around wingwall. Cost included with "Concrete Superstructure".

AS-BUILT DRAWINGS PREPARED BY McHUGH CONSTRUCTION. 9/25/06

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601

DATE: 01-12-04 JOB NO. 475

GENERAL NOTES AND TOTAL BILL OF MATERIAL

MONROE STREET (F.A.U. 1420)
OVER I-90/94 KENNEDY EXPWY.
SECTION 0101.2-4B-R
COOK COUNTY
STATION 4+03.26
S.N. 016-2054

default 04/16/2003 11:48:59 AM N:\475\CADD\2003\BRIDGE\MONROE\475bgn01.dgn

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS339

10:25:36 AM

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -	
	CHECKED - MI, JJS	REVISED -	
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -	
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189

SHEET NO. AS3-39 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	939
CONTRACT NO. 62A77				
ILLINOIS	FED. AID PROJECT			

FOR INFORMATION ONLY

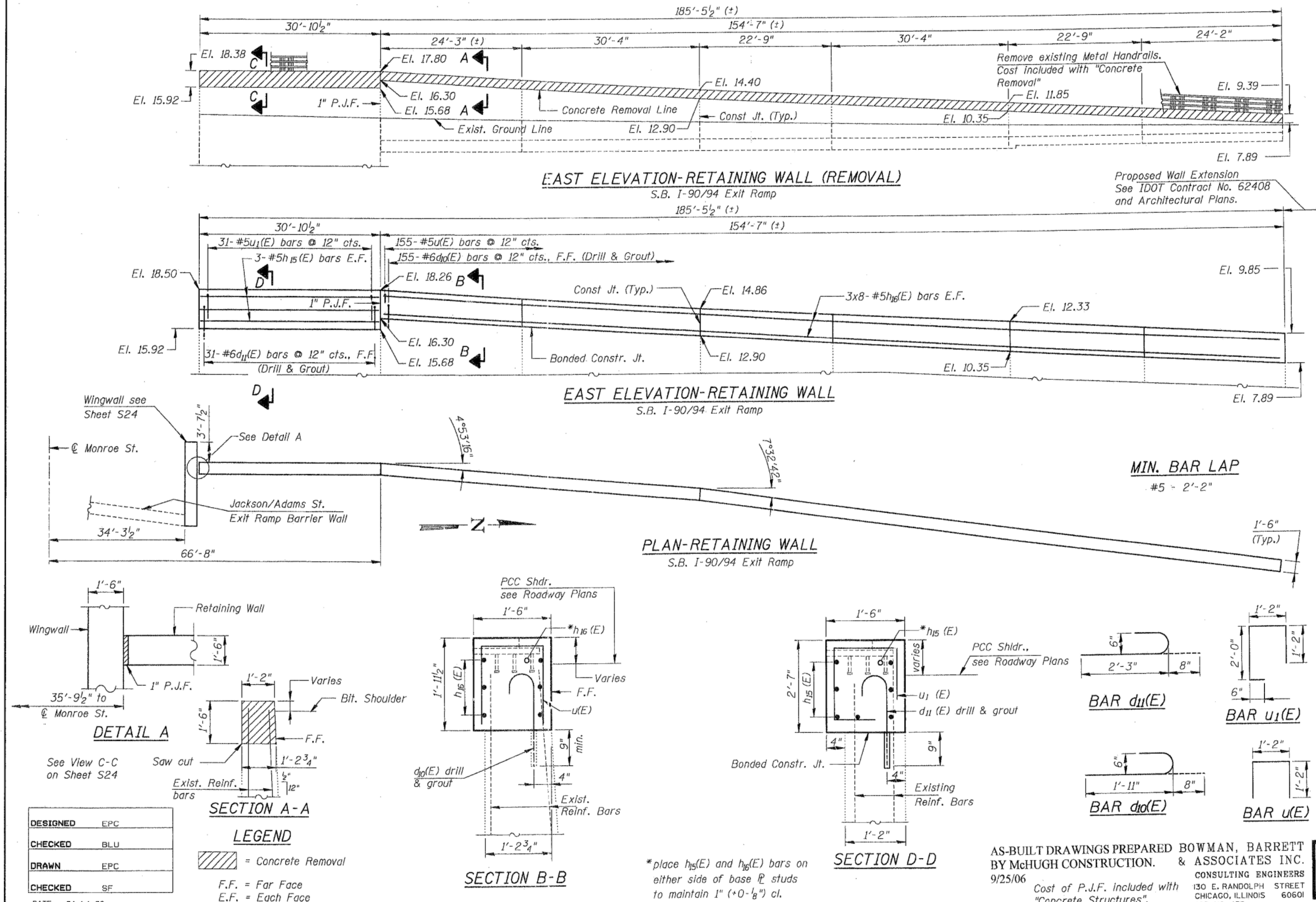
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

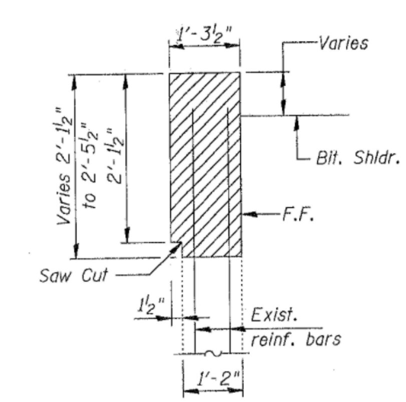
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 1420	0101.2-4B-R	COOK	147	60
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 527 OF 931 SHEETS

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d_{10}(E)	155	#6	2'-7"	
d_{11}(E)	31	#6	2'-11"	
h_{15}(E)	6	#5	30'-6"	
h_{16}(E)	48	#5	21'-2"	
u(E)	155	#5	3'-6"	
u_1(E)	31	#5	4'-10"	
Reinforcement Bars, Epoxy Coated			Lbs.	2,710
Concrete Structures			Cu. Yd.	21.3
Concrete Removal			Cu. Yd.	13.6
Structure Excavation			Cu. Yd.	26





Existing Reinforcement Bars extending into removal areas shall be cleaned, straightened and incorporated into new construction. Cost included with "Concrete Removal".

Saw cut approx. ¾" deep along removal line for entire length of removal area.

Bars indicated thus 2x8 #5 etc. indicate 2 lines of bars with 8 bars per line.

Reinforcement bars designated (E) shall be epoxy coated.

Epoxy grout #6d_{10}(E) and #6d_{11}(E) bars in drilled holes with a min. depth of 9" in accordance to Art. 584 of the Std. Specs.

All edges shall have ¾" chamfers except as noted.

RETAINING WALL
REMOVAL AND REPAIR DETAILS
MONROE STREET (F.A.U. 1420)
OVER I-90/94 KENNEDY EXPWY.
SECTION 0101.2-4B-R
COOK COUNTY
STATION 4+03.26
S.N. 016-2054

AS-BUILT DRAWINGS PREPARED BY McHUGH CONSTRUCTION. 9/25/06

Cost of P.J.F. included with "Concrete Structures".

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 475

DESIGNED	EPC
CHECKED	BLU
DRAWN	EPC
CHECKED	SF

DATE: 04-14-03

default 04/16/2003 12:00:35 PM N:\475\CADD\2003\BRIDGE\MONROE\475sr-01.dgn

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CADD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS340

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -
	CHECKED - MI, JJS	REVISED -
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

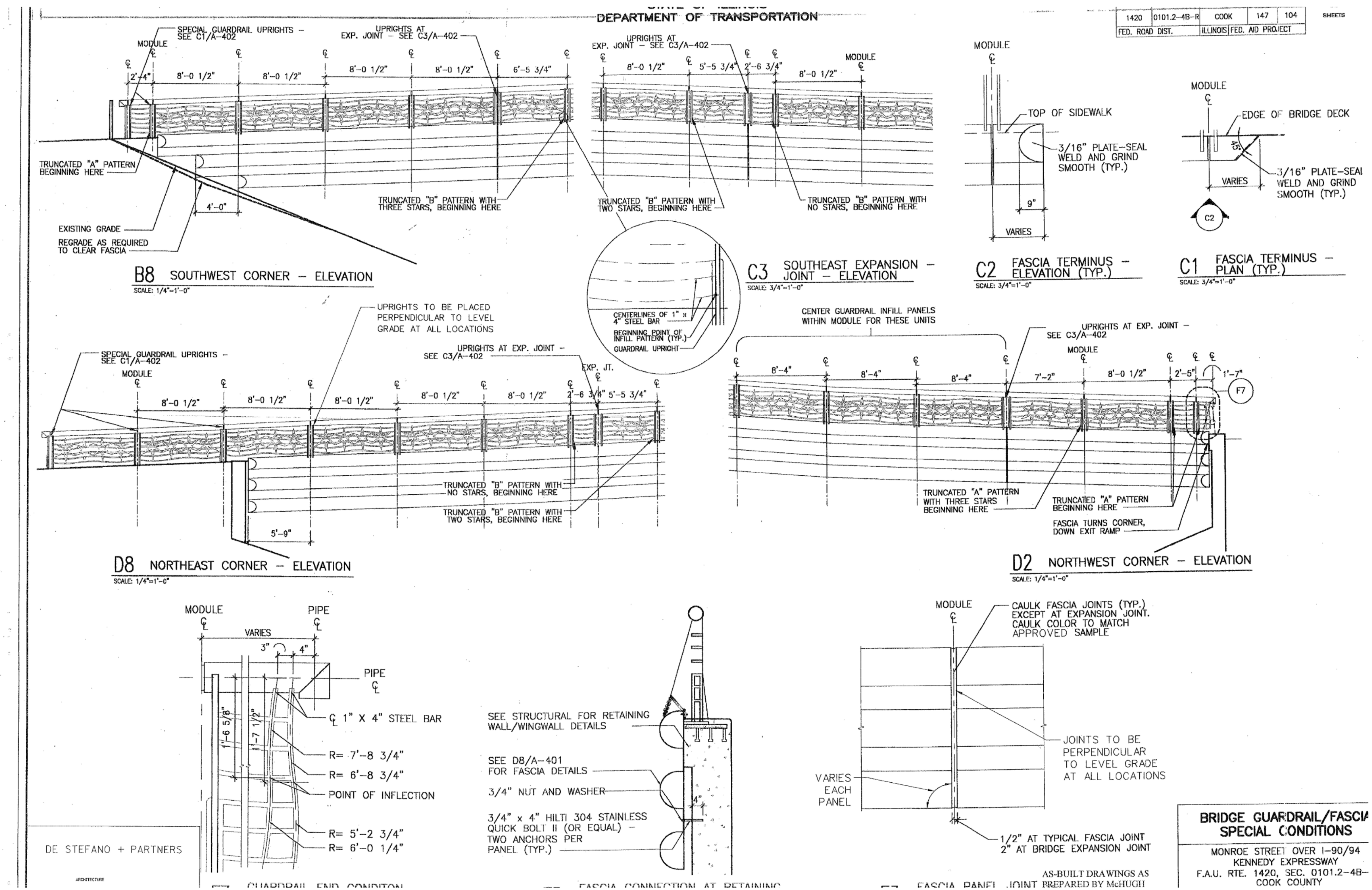
EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189

SHEET NO. AS3-40 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	940
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

10:25:51 AM

FOR INFORMATION ONLY



FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS341

HBM ENGINEERING GROUP, LLC

USER NAME =	ahmad.issa	DESIGNED -	MAA,JMI	REVISED -	
		CHECKED -	MI, JJS	REVISED -	
PLOT SCALE =	N.T.S	DRAWN -	MAA,JMI	REVISED -	
PLOT DATE =	1/31/2020	CHECKED -	MI, JJS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189

SHEET NO. AS3-41 OF AS3-42 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	941
		CONTRACT NO. 62A77		
		ILLINOIS	FED. AID PROJECT	

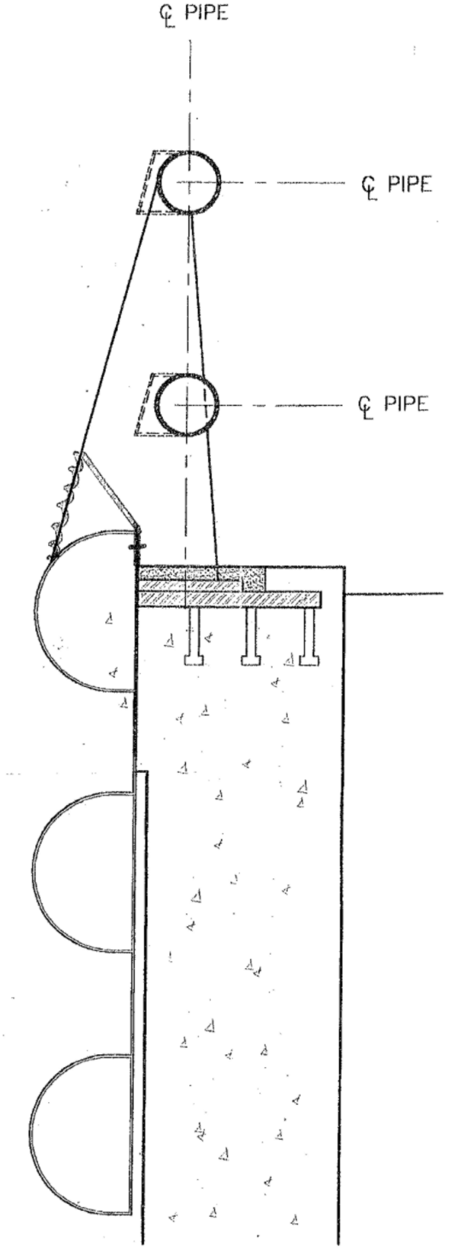
10:26:06 AM

FOR INFORMATION ONLY

1420	0101.2-4B-R	COOK	147	105	SHEETS
FED. ROAD DIST.		ILLINOIS	FED. AID PROJECT		

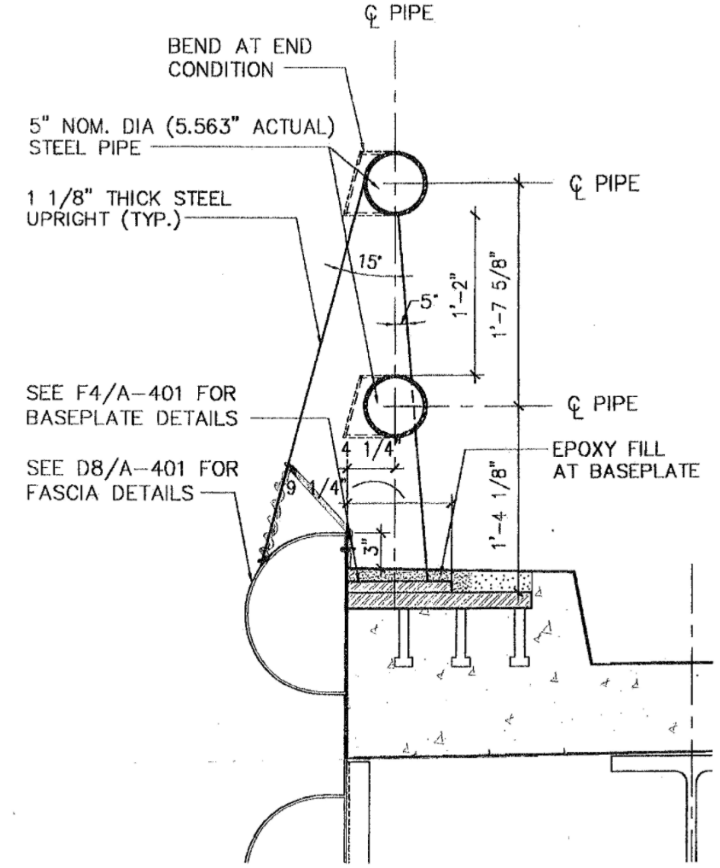
Scale: AS NOTED

SEE D8 FOR TYPICAL NOTES AND DIMENSIONS



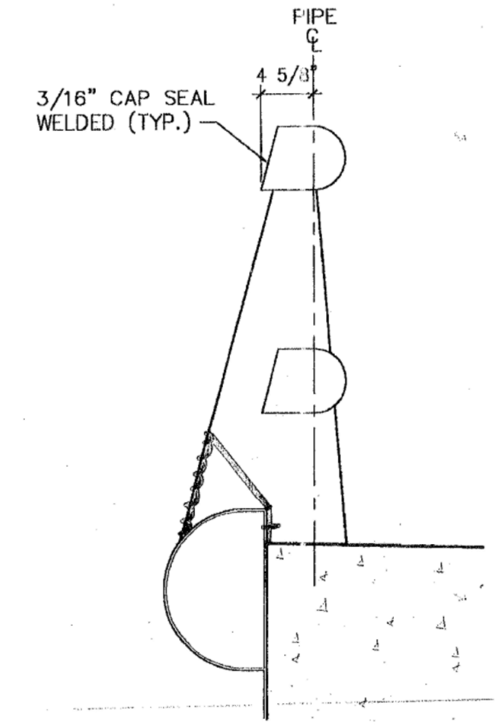
D7 RAMP GUARDRAIL/FASCIA AT EXIT RAMP RETAINING WALL – SECTION

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



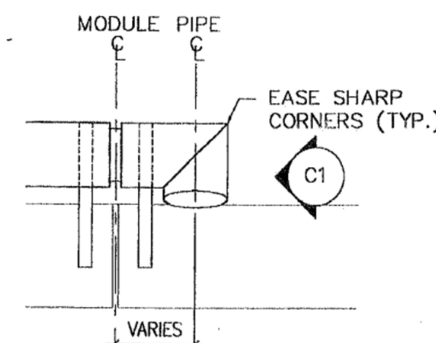
D8 RAMP GUARDRAIL/FASCIA SECTION

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



C1 RAMP GUARDRAIL END CONDITION–ELEVATION

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



E8 RAMP GUARDRAIL END CONDITION– PLAN

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

DE STEFANO + PARTNERS

ARCHITECTURE

445 EAST ILLINOIS STREET
CHICAGO, ILLINOIS 60611

AS-BUILT DRAWINGS AS PREPARED BY McHUGH CONSTRUCTION. 9/25/06

RAMP GUARDRAIL

MONROE STREET OVER I-90/94
KENNEDY EXPRESSWAY
F.A.U. RTE. 1420, SEC. 0101.2-4B-R
COOK COUNTY
STA. 4+03.26

FILE NAME: pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\008_Structural\Structure_EXRW-50\Final Plans\EXRW50-62A77-SHT-AS342

HBM ENGINEERING GROUP, LLC

USER NAME = ahmad.issa	DESIGNED - MAA,JMI	REVISED -
	CHECKED - MI, JJS	REVISED -
PLOT SCALE = N.T.S	DRAWN - MAA,JMI	REVISED -
PLOT DATE = 1/31/2020	CHECKED - MI, JJS	REVISED -

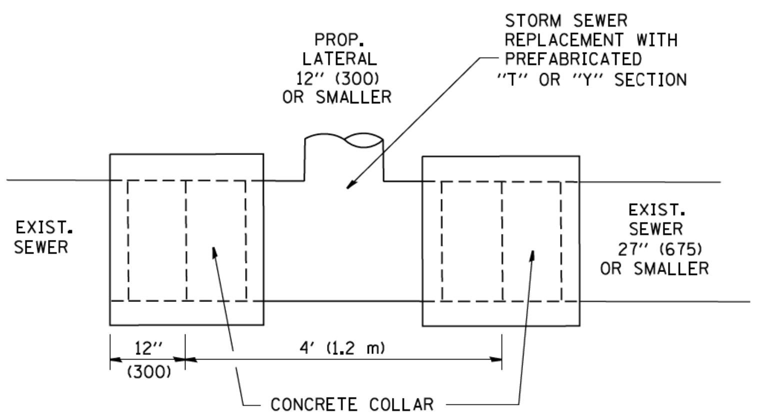
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS
STRUCTURE NO. 016-1189

SHEET NO. AS3-42 OF AS3-42 SHEETS

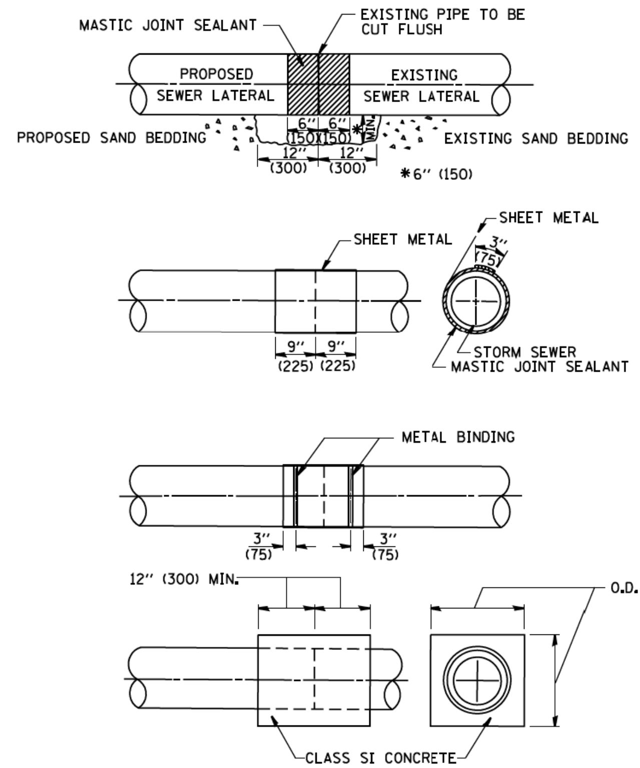
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	942
		CONTRACT NO. 62A77		
		ILLINOIS	FED. AID PROJECT	

10:26:20 AM



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER

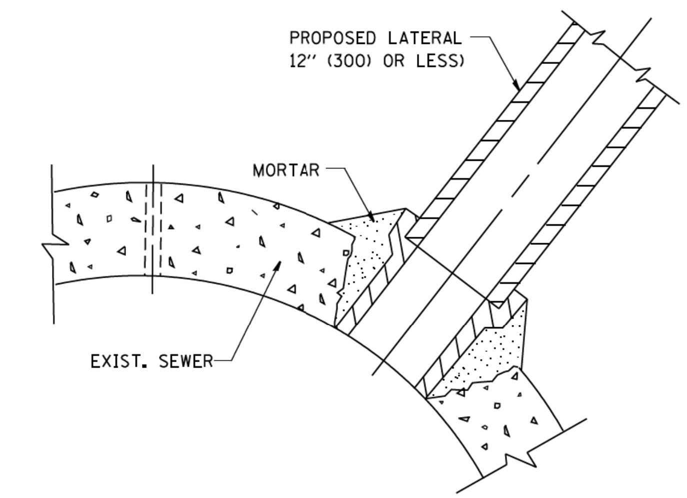


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:

A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".

B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

• 90/94/290

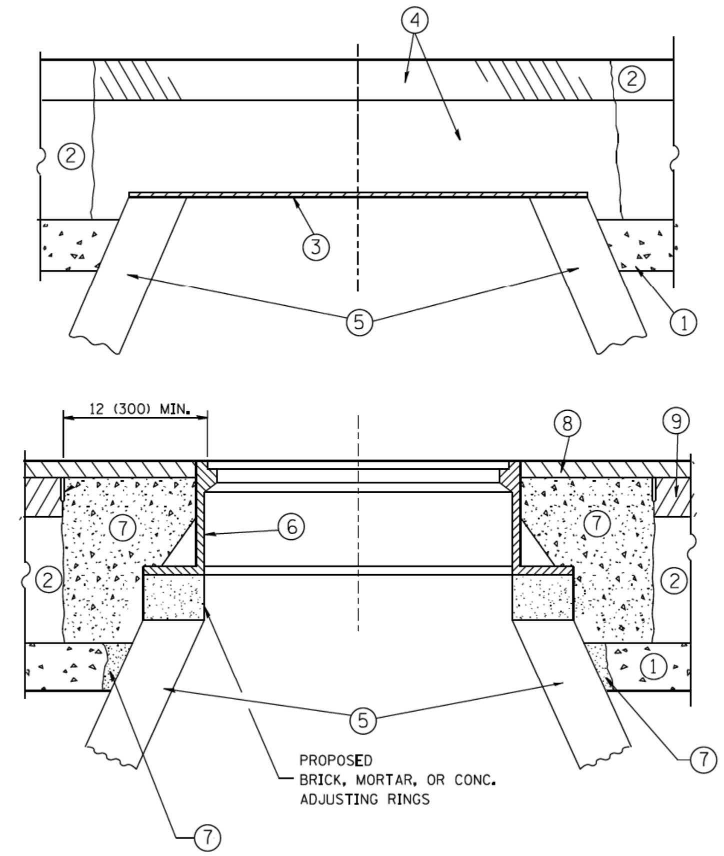
FILE NAME = W:\diststd\22x34\bd07.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92
		DRAWN -	REVISED - R. SHAH 09-09-94
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. SHAH 10-25-94
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	943
BD500-01 (BD-7)		CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

NOTES:

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

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

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

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

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

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

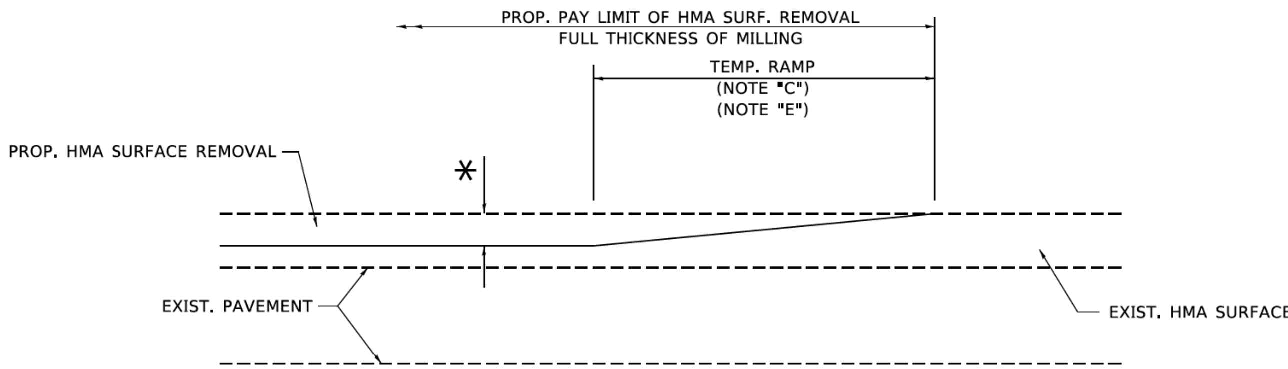
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

• 907947290

FILE NAME = c:\pw_work\pwidot\bauerdl\d0108315\bd08.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
		DRAWN -	REVISED - R. BORO 01-01-07		
	PLOT SCALE = 1968.5000 ' / m	CHECKED -	REVISED - R. BORO 03-09-11		
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. / TO STA.

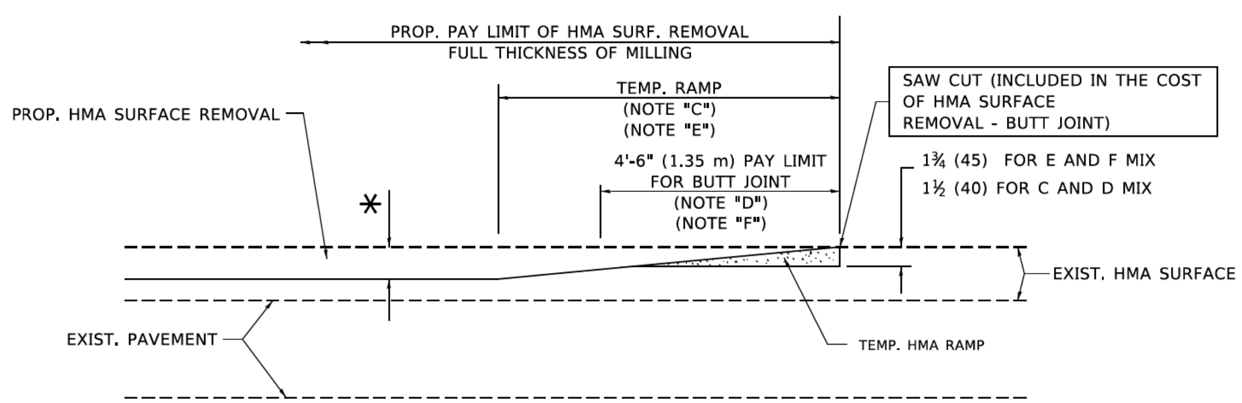
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	944
	BD600-03 (BD-8)	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

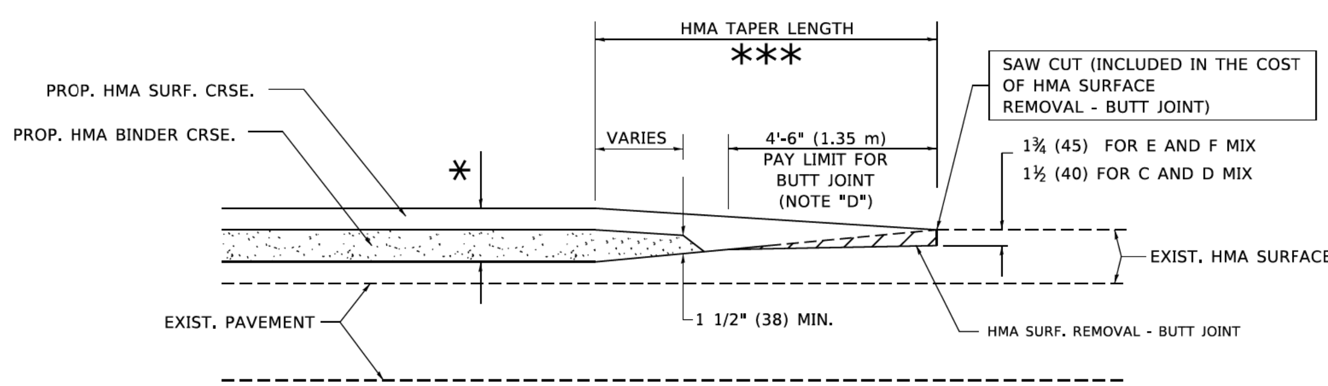


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

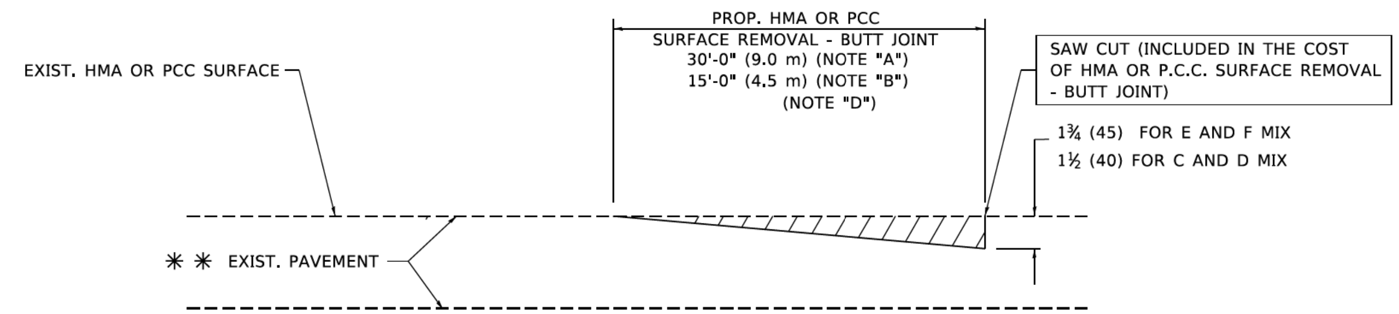
OPTION 2

TYPICAL TEMPORARY RAMP

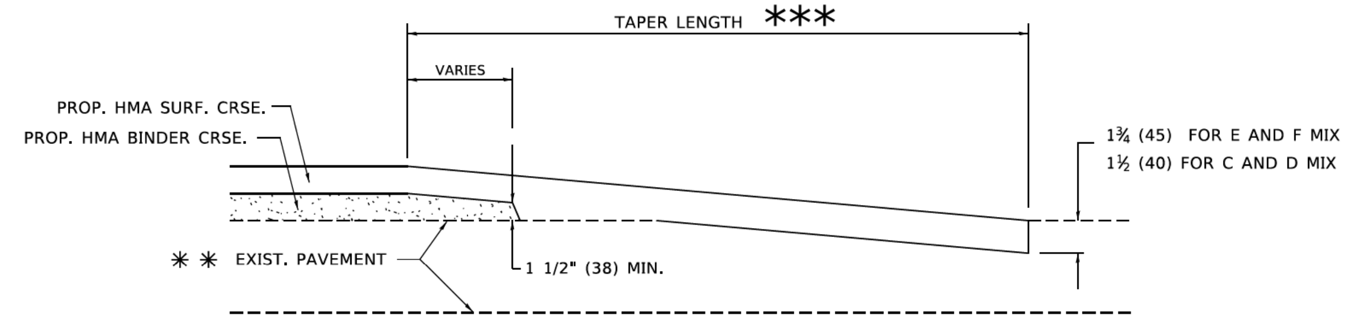


BUTT JOINT AND
HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B. MINOR SIDE ROADS.

C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

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

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

• 90/94/290

USER NAME = footemj	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94			
	DRAWN -	REVISED - A. ABBAS 03-21-97			
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01			
PLOT DATE = 3/27/2019	DATE - 06-13-90	REVISED - R.BORO 01-01-07			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

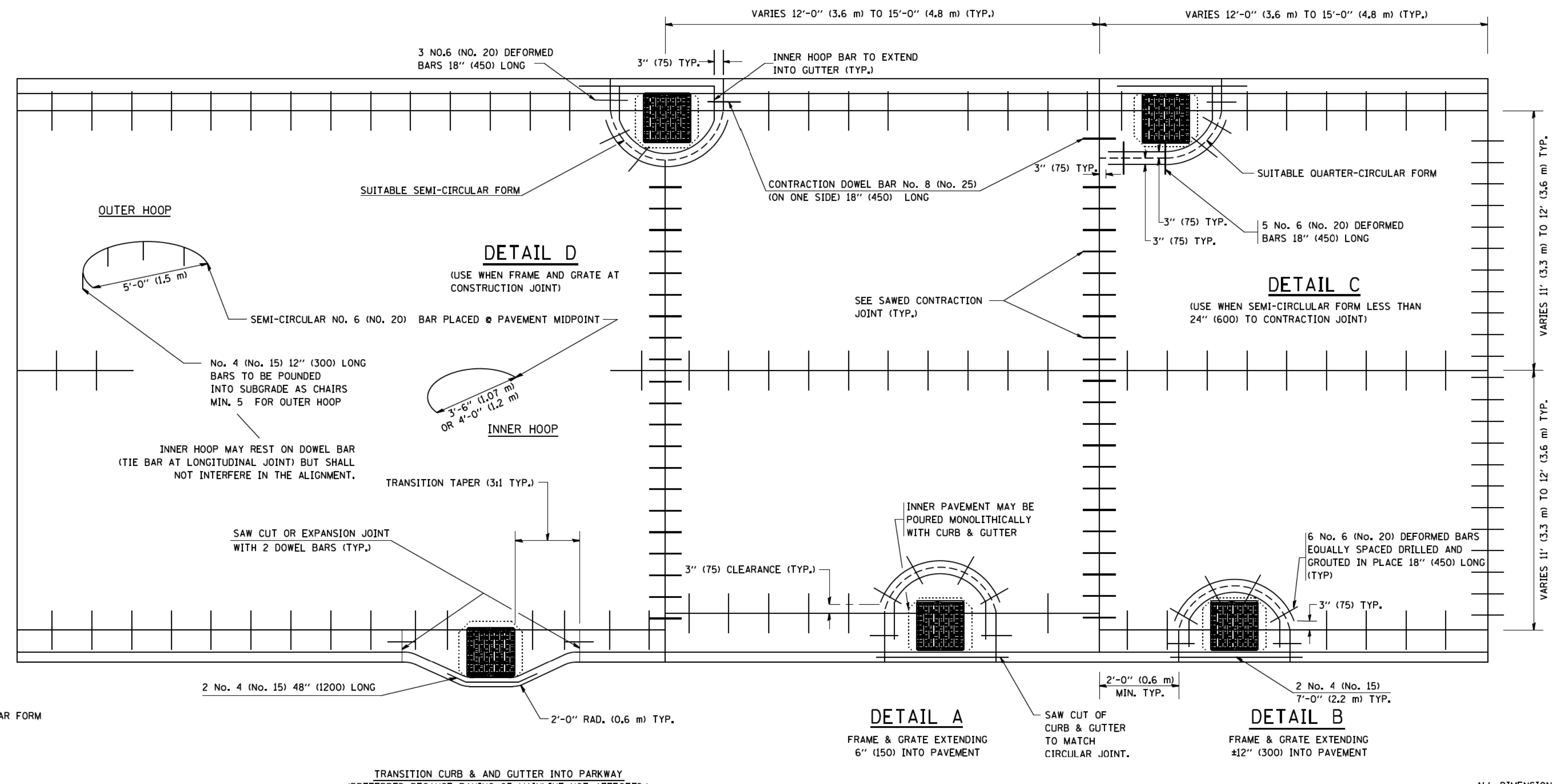
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	945
BD400-05 BD32		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

FRAME EXTENSION INTO PAVEMENT	INNER HOOP REINFORCEMENT DIAMETER	SEMI CIRCULAR FORM DIAMETER	OUTER HOOP REINFORCEMENT DIAMETER
UP TO 8" (200)	3'-6" (1.1 m)	4'-0" (1.2 m)	5'-0" (1.5 m)
> 8" (200) TO 14" (360)	4'-0" (1.2 m)	4'-6" (1.4 m)	5'-0" (1.5 m)

NOTES :

1. THE ROUNDOUT AND ADDED REINFORCEMENT WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAVEMENT.
2. TRANSVERSE JOINTS MAY BE MOVED TO ACCOMMODATE ROUNDOUT. EDGE OF CIRCULAR JOINT SHALL BE MINIMUM 12" (300) FROM TRANSVERSE JOINT. RELOCATED TRANSVERSE JOINT SHALL BE CONTINUOUS FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
3. SEMI-CIRCULAR FORM SHALL BE REMOVED PRIOR TO DRILL AND GROUT OF TIE BARS.
4. ALL REINFORCED BARS SHALL BE EPOXY COATED.
5. DRILL AND GROUT IS PREFERRED, HOWEVER TIE BARS CAN BE POURED IN PLACE IF CLEARANCE IS PROVIDED TO OUTER EDGE OF FRAME. MINIMUM 2" (50) CLEARANCE.
6. WOOD SHIMS SHALL BE USED TO ADJUST ALL FRAMES. AFTER ADJUSTING MORTAR HAS CURED, THE WOOD SHIMS SHALL BE REMOVED AND THE VOIDS UNDER THE FRAMES FILLED WITH NON SHRINK GROUT.
7. HOOP REINFORCEMENT SHALL BE ONE PIECE CONSTRUCTION.
8. CIRCULAR FRAMES AND GRATES MAY BE SUBSTITUTED.
9. CURB DOWELS MUST BE PLACED LEVEL & TRUE TO ALLOW CONTRACTION MOVEMENT.

DESIGNER NOTE:
THIS DETAIL IS TO BE USED WHEN THE GUTTER FLAG IS LESS THAN 24"



LEGEND:

.... CASTING

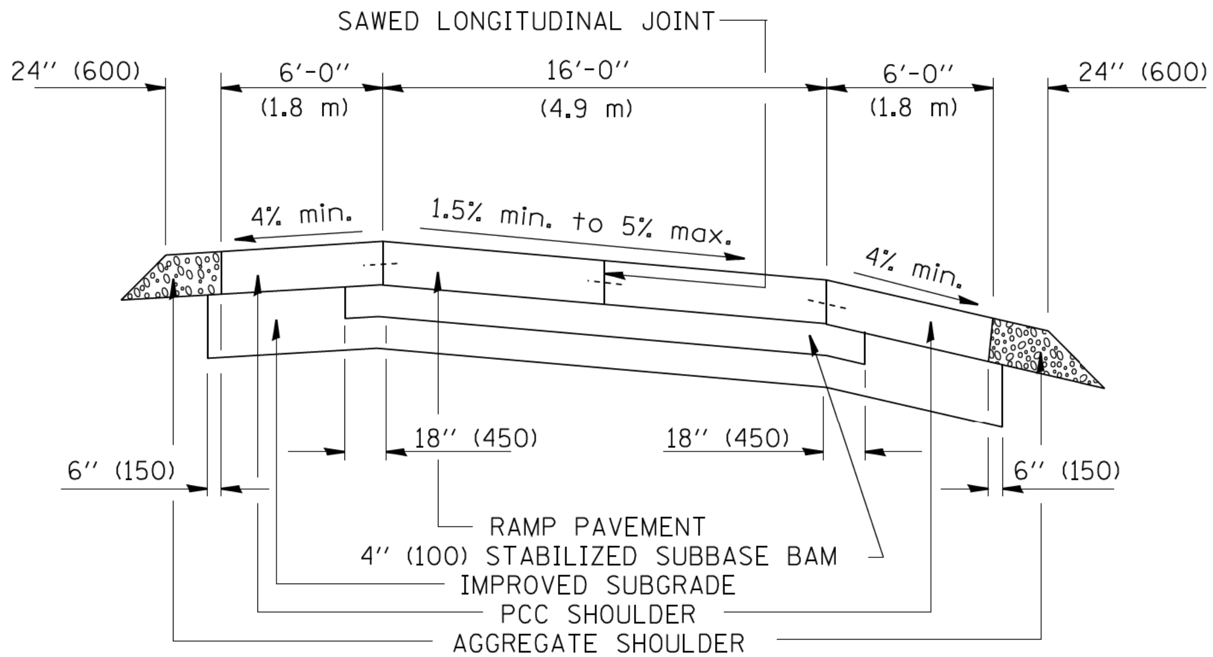
– – – – – – – SUITABLE SEMI-CIRCULAR FORM

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

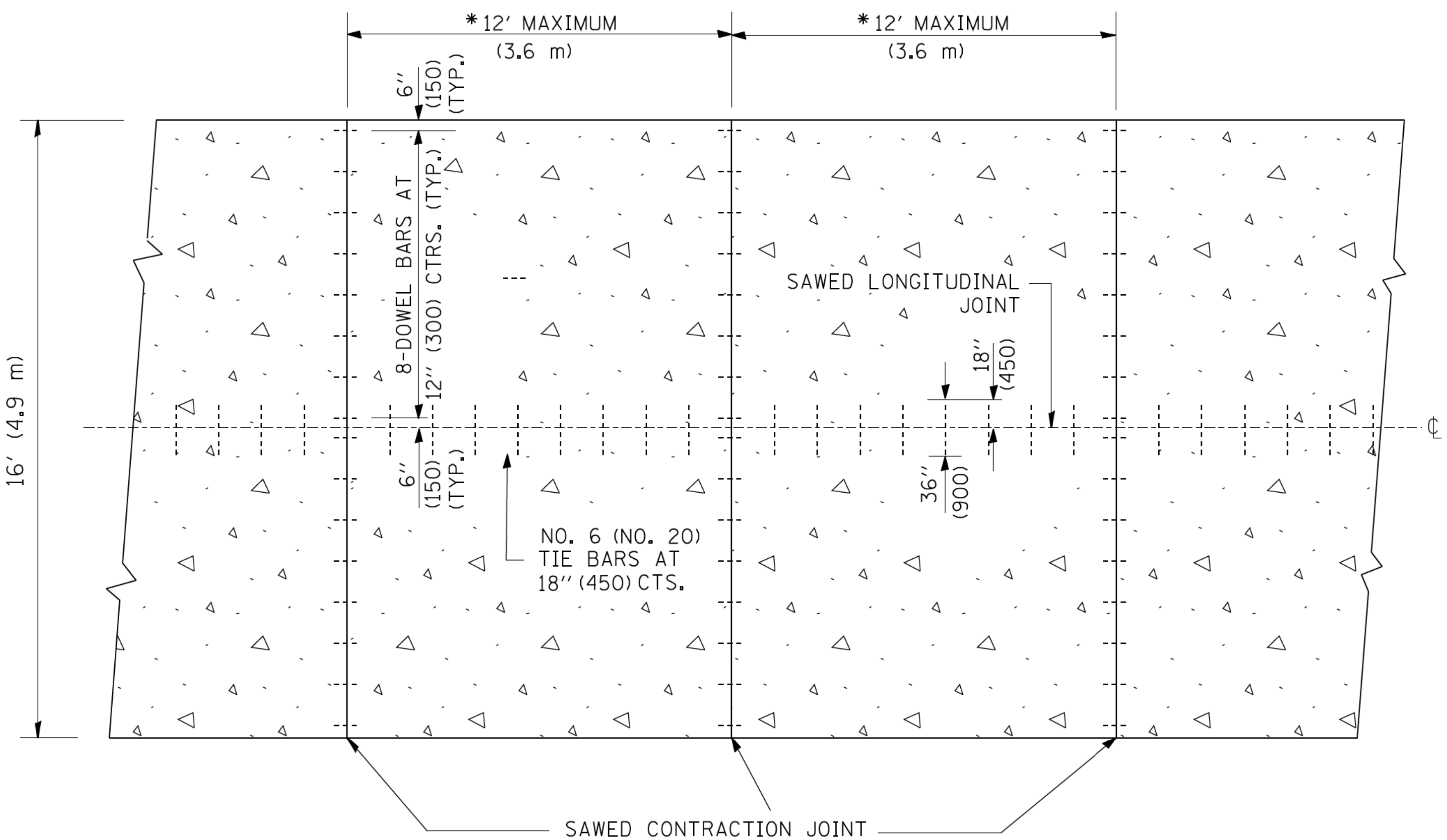
FILE NAME = W:\diststd\22x34\bd48.dgn	USER NAME = gaglianobt	DESIGNED - A. ABBAS	REVISED - T. MATOUSEK 08-28-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PCC PAVEMENT ROUNDOUTS AT CURB AND GUTTER
		DRAWN - TOM MATOUSEK	REVISED - T. MATOUSEK 10-02-00		
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - A. ABBAS	REVISED - T. MATOUSEK 04-25-02		
	PLOT DATE = 1/4/2008	DATE - 01-04-99	REVISED - P. LAFLEUR 08-27-02		SCALE: NONE · SHEET NO. 1 OF 1 SHEETS · STA. · TO STA.

• 90/94/290

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	946
BD-48		CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



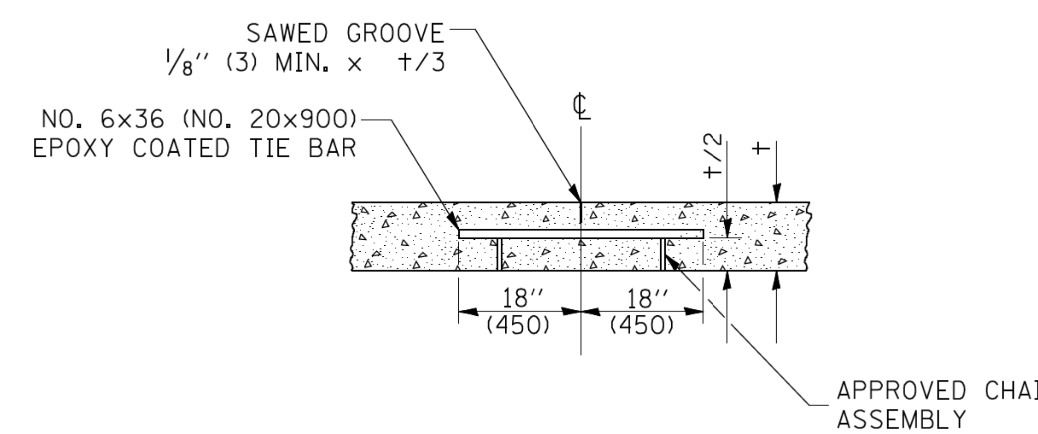
SECTION



PLAN

NOTES:

1. CENTERLINE JOINT REMAINS IN THE CENTER WHEN RAMP TRANSITIONS TO TWO (2) RAMPS AT 12' (3.6 m).
2. ALL BARS TO BE EPOXY COATED.



SAWED LONGITUDINAL JOINT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

• 90/94/290

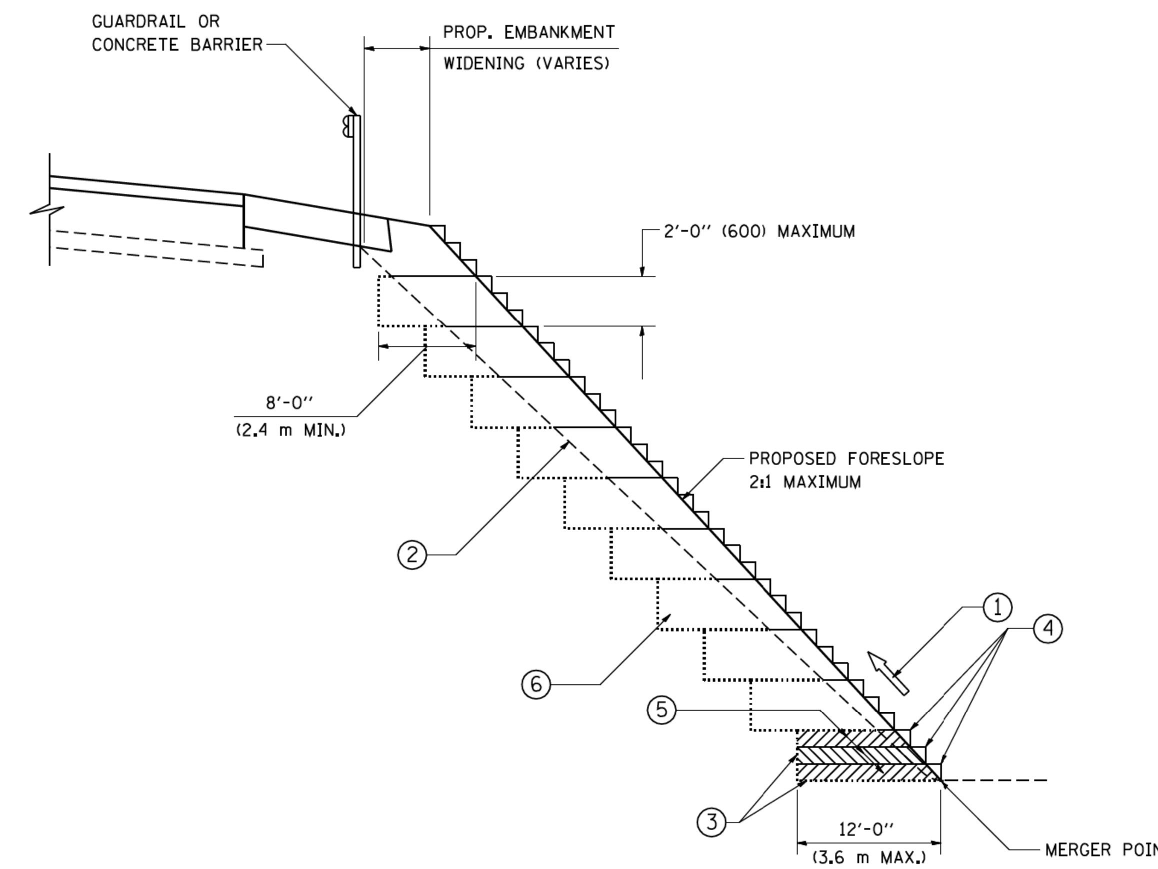
FILE NAME = W:\diststd\22x34\bd49.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - TOM MATOUSEK	REVISED -	
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - A. ABBAS	REVISED -	
	PLOT DATE = 1/4/2008	DATE - 10-18-02	REVISED -	

DETAIL FOR CENTERLINE SAW CUT 16' (4.9 m) AND VARIABLE JOINTED PCC PAVEMENT FOR RAMPS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	947
	BD49	CONTRACT NO.		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



TYPICAL BENCHING DETAIL FOR EMBANKMENT

NOTES:

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
6. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
7. SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

• 90/94/290

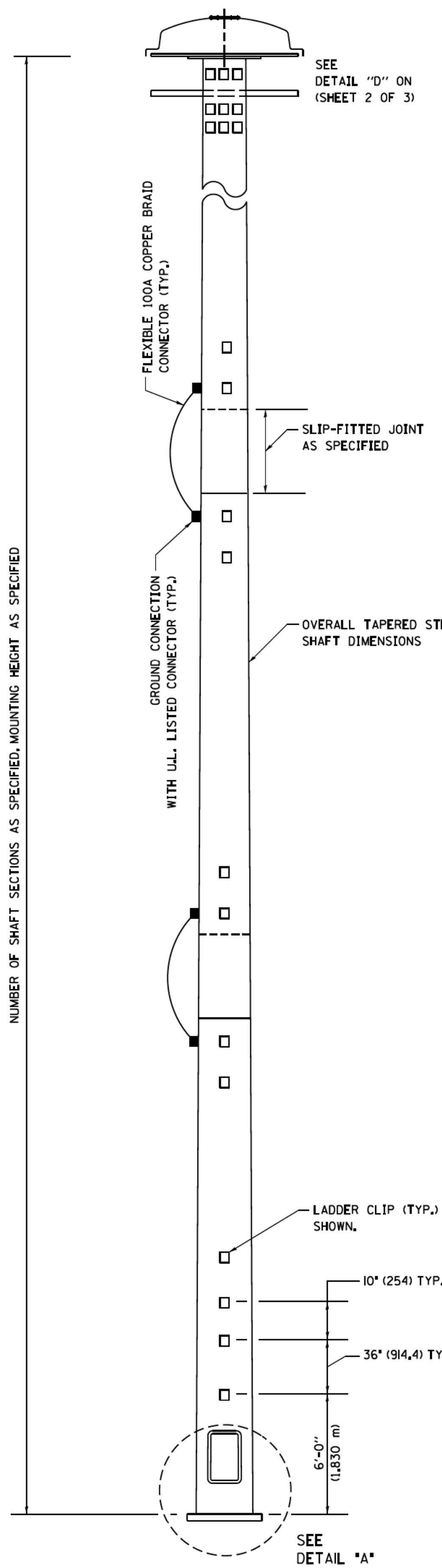
FILE NAME = W:\diststd\22x34\bd51.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -
		DRAWN - CADD	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - S.E.B.	REVISED -
	PLOT DATE = 1/4/2008	DATE - 06-16-04	REVISED -

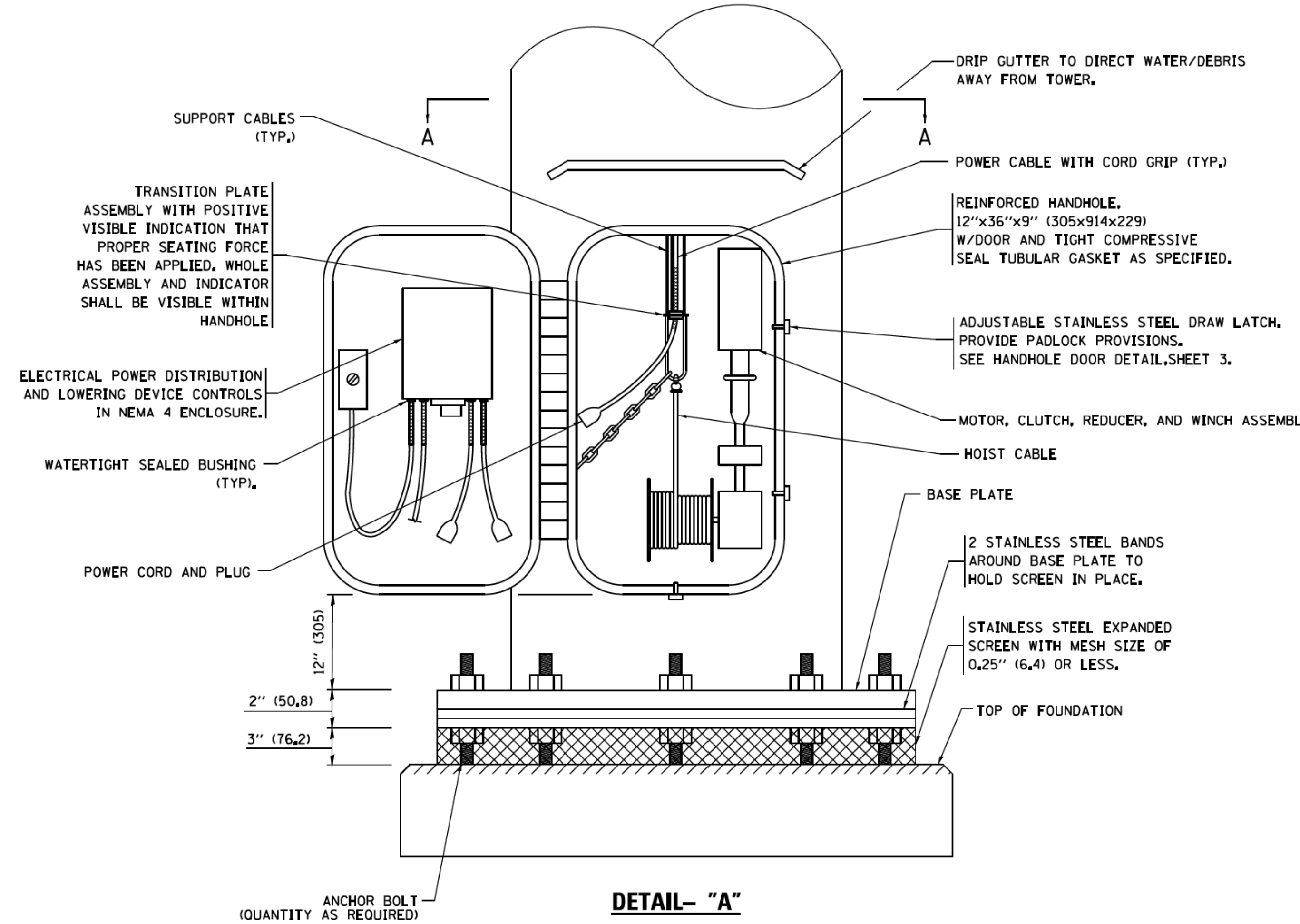
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL
FOR EMBANKMENT WIDENING

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

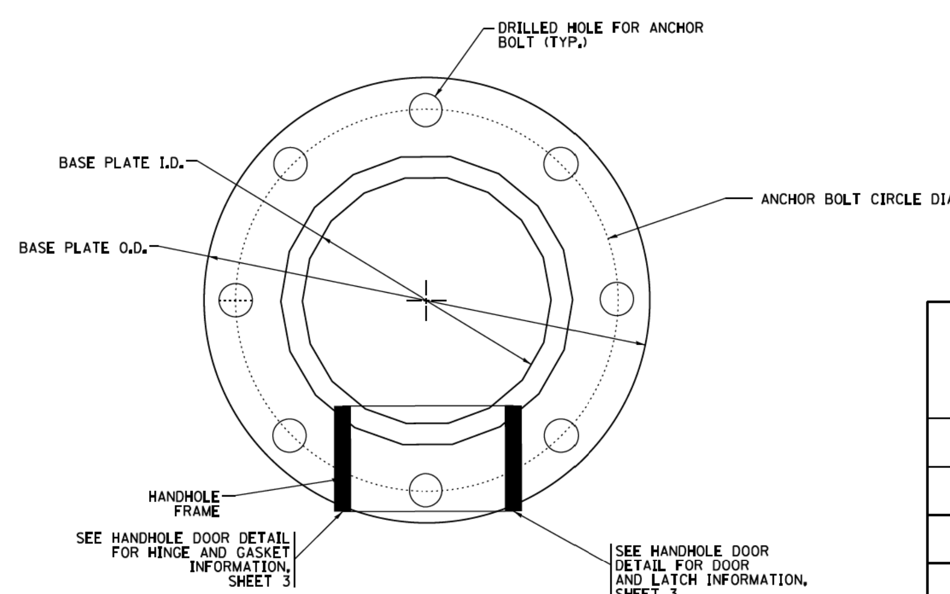
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	948
	BD-51	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





DETAIL- "A"

3 CABLE LOWERING & SUPPORT
MECHANISM SHOWN.



SECTION - A-A

NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE DESIGN SHALL BE BASED UPON AASHTO "LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" IN EFFECT ON THE DATE OF INVITATION FOR BIDS, HOWEVER THE WIDTH OF REINFORCED OPENING REQUIREMENT IN CHAPTER 5, SECTION 5.6.6.1 SHALL NOT APPLY. LIGHT TOWERS SHALL BE DESIGNED FOR ADT > 10,000, RISK CATEGORY TYPICAL, AND FATIGUE IMPORTANCE CATEGORY I.

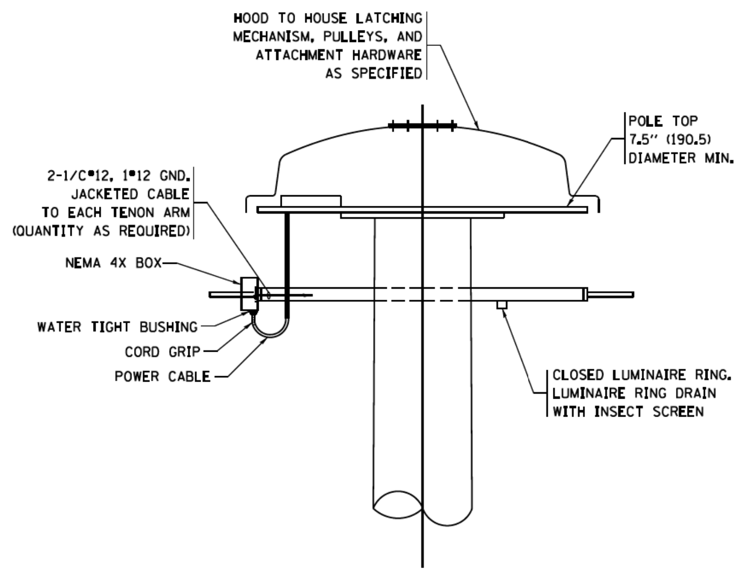
   A MINIMUM TOTAL COMBINED LUMINAIRE WEIGHT OF 600 LB (272 KG) SHALL BE USED PLUS A COMBINED HOOD AREA AND LOWERING RING WEIGHT OF 400 LB (181 KG). THE ASSOCIATED TOTAL PROJECTED AREA SHALL BE 24 SQ FT (2.23 SQ M) AND 10 SQ FT (0.93 SQ.) RESPECTIVELY.
3. ALL TOWER SHAFT COMPONENTS, INCLUDING, BUT NOT LIMITED TO THE SHAFT SECTIONS, BASE PLATE, LADDER CLIPS, HANDHOLE DOOR, HANDHOLE REINFORCING, RAIN GUTTER, AND BASE PLATE, SHALL BE FABRICATED FROM HIGH-STRENGTH, LOW ALLOY, STEEL WITH A MINIMUM YIELD STRENGTH OF 50,000 PSI (345 K PA) ACCORDING TO AASHTO M 270 (ASTM A 572 GR50)
4. THE ELECTRIC MOTOR, MOTOR GEAR REDUCER, WINCH DRUM ASSEMBLY AND AUTOMATIC SHUTOFF SWITCH OF THE LOWERING DEVICE SHALL BE ACCESSIBLE FROM THE FRONT OF THE TOWER FOR EASY REMOVAL AND MAINTENANCE. ALL COMPONENTS SHALL BE REMOVABLE THROUGH THE HANDHOLE.
5. THE LIGHT TOWER SHAFT SHALL HAVE LADDER CLIPS. CLIPS SHALL BEGIN 6 FT. (1.8 m) ABOVE THE BASE PLATE WITH ALTERNATE 36 INCH) (900) AND 10 INCH (250) SPACING THEREAFTER, FOR THE ENTIRE LENGTH. THE TOP 10 FT. (3 m) OF THE POLE SHAFT SHALL HAVE 3 SETS OF CLIPS. EACH SET OF CLIPS SHALL BE 120 DEGREES APART. CLIPS SHALL BE 0.25 X 2 INCHES (6 X 50) WELDED TO THE SHAFT TO PRODUCE A SLOT 0.625 INCHES (15.9) DEEP AND 1.625 INCHES (41.3) LONG. THE TOP INSIDE EDGE SHALL BE CHAMFERED.
6. A COPPER BONDING JUMPER SHALL BOND SLIP-FIT POLE SECTIONS TOGETHER WITH A FLAT COPPER MESH AND STAINLESS STEEL GROUND LUGS.
7. ALL TOWER SHAFT HARDWARE, SUCH AS GROUND LUGS, JUNCTION BOXES, HARDWARE FOR THE HANDHOLE DOOR, INCLUDING THE HANDLE/LATCH MECHANISM, HINGE AND DOOR STOP, SHALL BE STAINLESS STEEL. ALL CONDUIT AND CONDUIT FITTINGS SHALL BE PVC COATED GALVANIZED STEEL.
8. THE ENTIRE TOWER INCLUDING THE SHAFT, HANDHOLE, HANDHOLE DOOR, BASE PLATE AND ALL OTHER ELEMENTS WELDED TO THE SHAFT SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M 111 (ASTM A 123). THE LUMINAIRE RING SHALL BE PRIMED AND PAINTED AS SPECIFIED OR BE STAINLESS STEEL
9. ALL MULTI-CONDUCTOR CABLES SHALL BE FITTED WITH A HEAT-SHRINK MULTI-LEG BOOT. THE BOOT SHALL MEET MILITARY SPECIFICATION MIL-I-81765/1.
10. THE LIGHT TOWER SHALL BE STRAIGHT AND CENTERED ON ITS LONGITUDINAL AXIS, UNDER NO-WIND CONDITIONS, SO WHEN EXAMINED WITH A TRANSIT FROM ANY DIRECTION, THE DEVIATION FROM THE NORMAL SHALL NOT EXCEED 1/8 IN. IN 3 FT (2 mm IN 1 m) WITHIN ANY 5 FT (1.5 m) OF HEIGHT, WITH TOTAL DEVIATION NOT TO EXCEED 3 IN. (75) FROM THE VERTICAL AXIS THROUGH THE CENTER OF THE POLE BASE.
11. PVC CONDUIT WILL NOT BE ALLOWED FOR ANY LIGHT TOWER COMPONENT.
12. COUNTER WEIGHTS TO BE INCLUDED AS A PART OF THE LIGHT TOWER PAY ITEM.

LIGHT TOWER DIMENSIONS

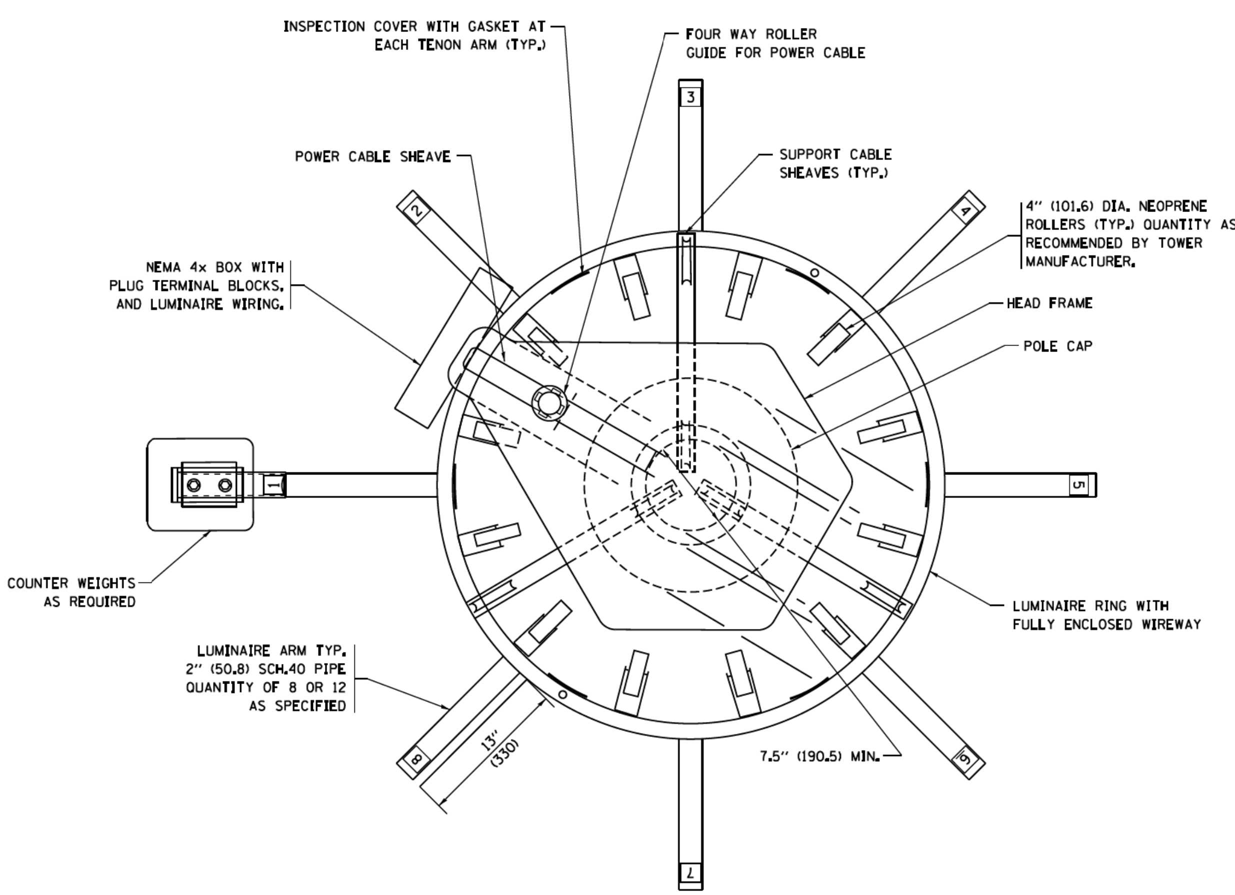
MOUNTING HEIGHT (FEET)	MAXIMUM NUMBER OF SECTIONS	MINIMUM NUMBER OF ANCHOR RODS	MINIMUM TOWER TOP DIAMETER (INCHES)	MINIMUM TOWER BOTTOM DIAMETER (INCHES)	MINIMUM ROD DIAMETER (INCHES)	MINIMUM ANCHOR ROD CIRCLE (INCHES)
100	3	8	7.5	24	1.5	30
110	3	8	7.5	24	1.5	30
120	3	8	7.5	26	1.75	36
130	4	8	7.5	28	1.75	36
140	4	8	7.5	28	1.75	36
150	4	8	7.5	30	2.25	38
160	4	8	7.5	32	2.25	38

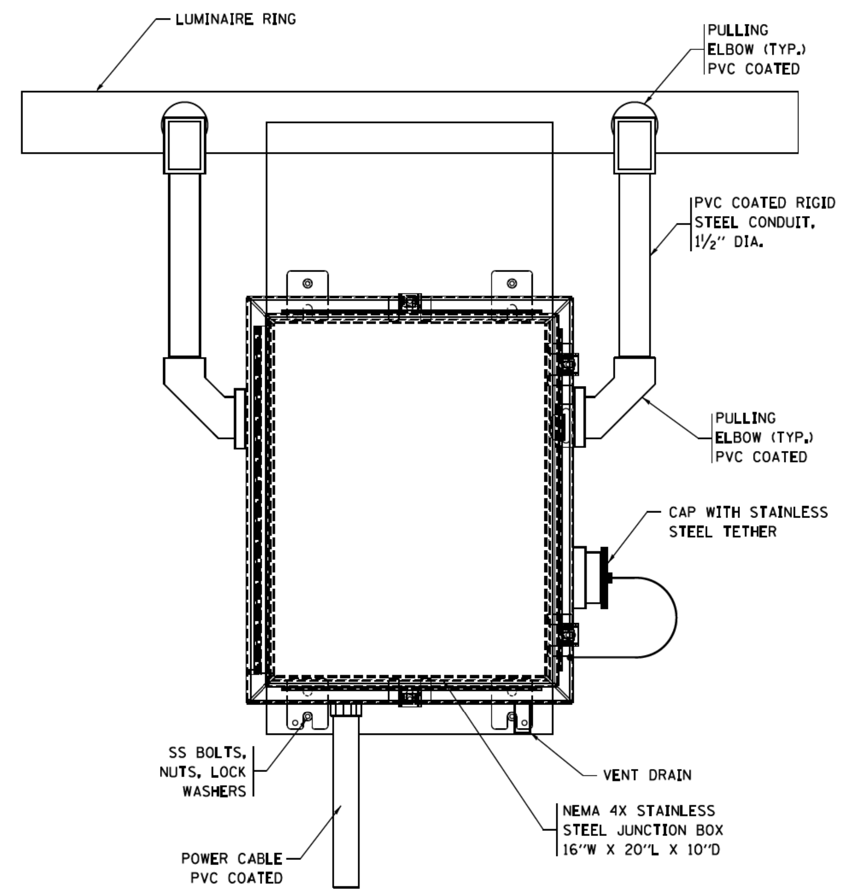
• 90/94/290

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist... \CADData\CADsheets\be500.dgn	USER NAME = footemj	DESIGNED -	REVISED - R. TOMSONS 09-02-10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGH MAST LIGHT TOWER 100 FT TO 160 FT (30 m TO 49 m)	F.A.I RTE. • / SECTION 2015-018R / COUNTY COOK / TOTAL SHEETS 1360 / SHEET NO. 949
		DRAWN -	REVISED - R. TOMSONS 02-27-13			BE-500 / CONTRACT NO.
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. TOMSONS 04-29-16		SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT
Default	PLOT DATE = 11/16/2018	DATE -	REVISED - R. TOMSONS 07-26-16			

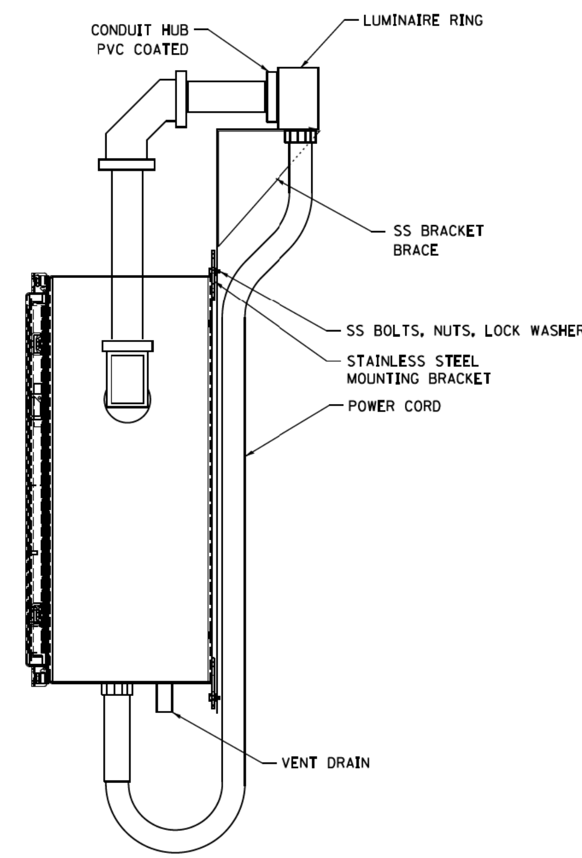


DETAIL-"D"





FRONT VIEW
N.T.S.



SIDE VIEW
N.T.S.

LUMINAIRE RING TERMINAL BOX

NOTES:

1. LUMINAIRE WIRES SHALL EXTEND 24 INCHES (609mm) LONGER THAN THE RESPECTIVE TENON ARM AND SHALL BE TRAINED BACK INTO THE ARM WHICH SHALL THEN BE CLOSED WITH A CAP AS SPECIFIED ALL WIRES SHALL BE CAPPED WITH HEAT SHRINK INSULATING BOOTS, CRIMP CAPS ARE UNACCEPTABLE. ALL RING WIRES SHALL BE TAGGED WITH WIRE MARKERS AT BOTH ENDS THE TENON ARMS SHALL ALSO BE TAGGED CORRESPONDING TO THE WIRING CONTAINED WITHIN.
2. SPLICING WILL NOT BE ALLOWED WITHIN THE LUMINAIRE RING.
3. ALL TOWER SHAFT HARDWARE, SUCH AS GROUND LUGS, JUNCTION BOXES, HARDWARE FOR THE HANDHOLE DOOR, INCLUDING THE HANDLE/LATCH MECHANISM, HINGE AND DOOR STOP, SHALL BE STAINLESS STEEL. ALL CONDUIT AND CONDUIT FITTINGS SHALL BE PVC COATED GALVANIZED STEEL.
4. ALL MULTI-CONDUCTOR CABLES SHALL BE FITTED WITH A HEAT-SHRINK MULTI-LEG BOOT. THE BOOT SHALL MEET MILITARY SPECIFICATION MIL-I-81765/1.

• 90/94/290

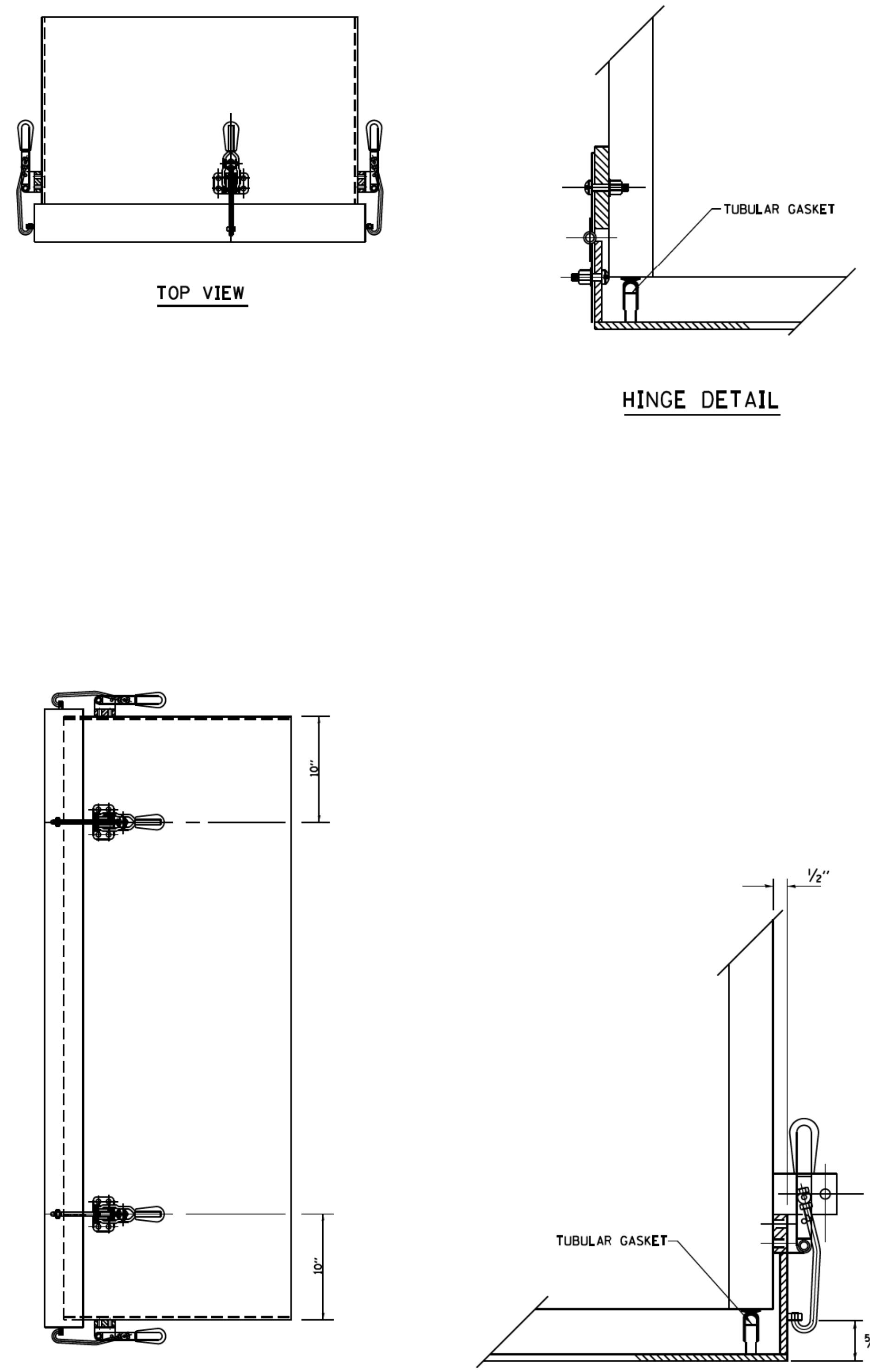
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\District\DRAWN\CADData\CADsheets\be500.dgn	USER NAME = footemj	DESIGNED -	REVISED - R. TOMSONS 09-02-10
		DRAWN -	REVISED - R. TOMSONS 02-27-13
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. TOMSONS 04-29-16
Default	PLOT DATE = 7/27/2016	DATE -	REVISED - R. TOMSONS 07-26-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGH MAST LIGHT TOWER
100 FT TO 160 FT (30 m TO 49 m)

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	950
	BE-500	CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		



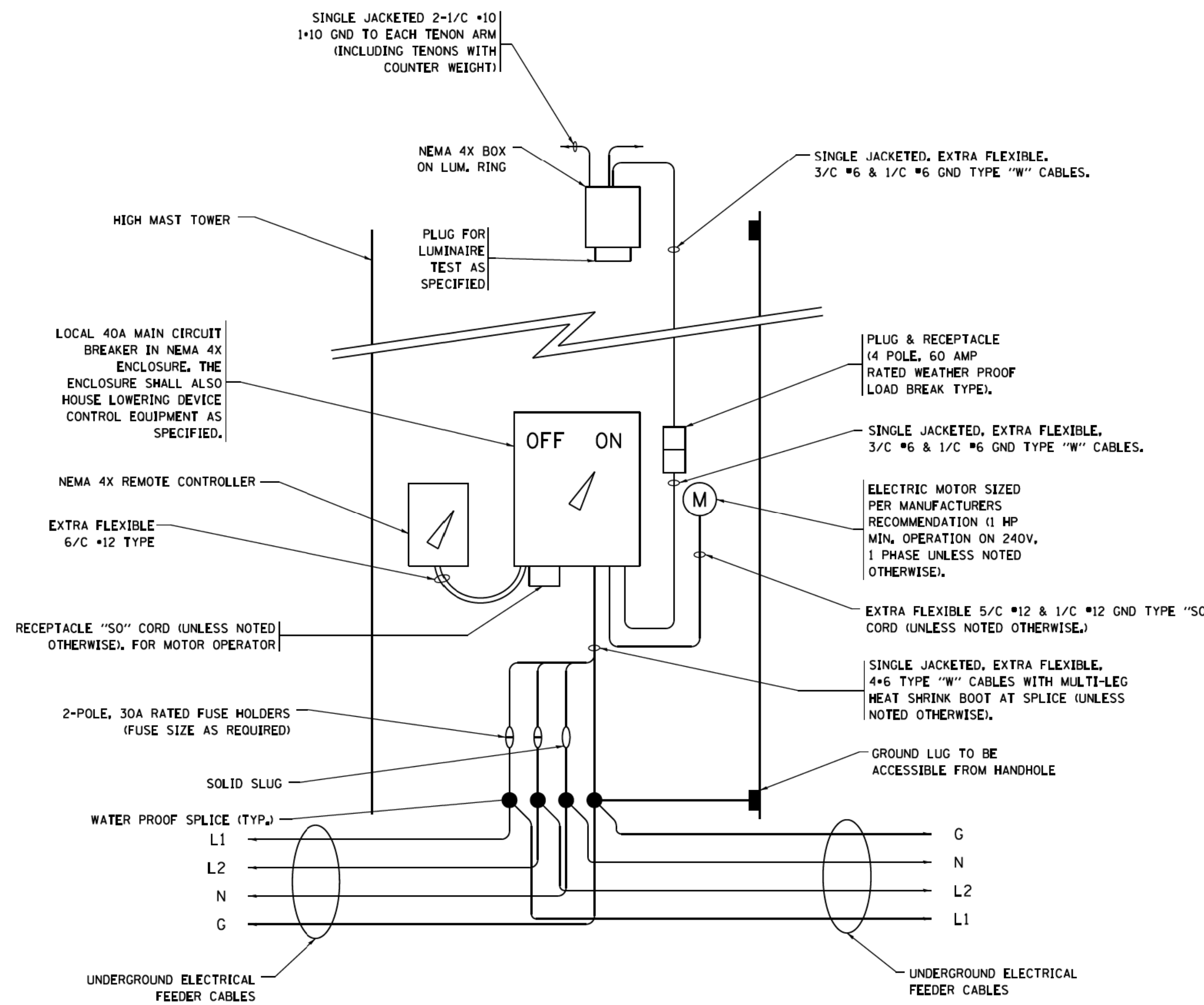
TOP VIEW

HINGE DETAIL

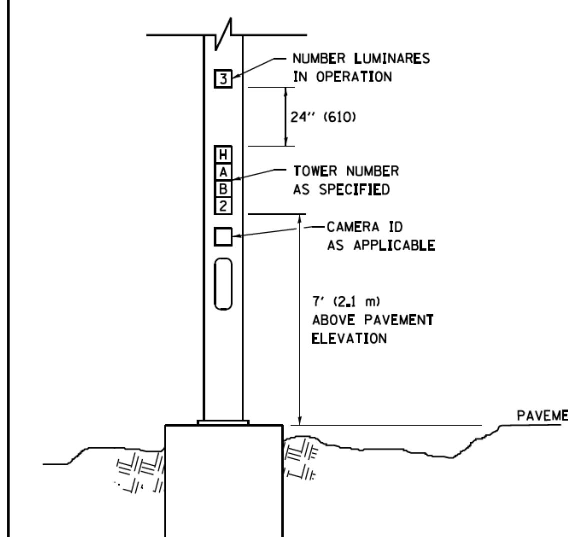
SIDE VIEW

LATCH DETAIL

HANDHOLE DOOR DETAILS



HIGH MAST POLE WIRING DIAGRAM

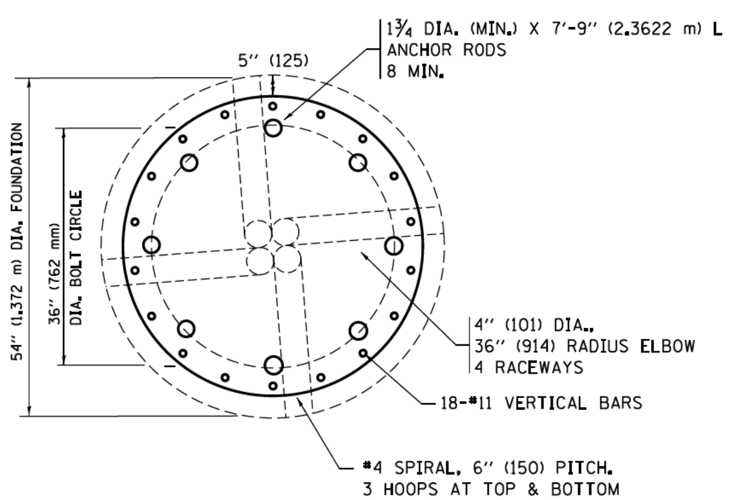


LIGHT TOWER NUMBERING DETAIL

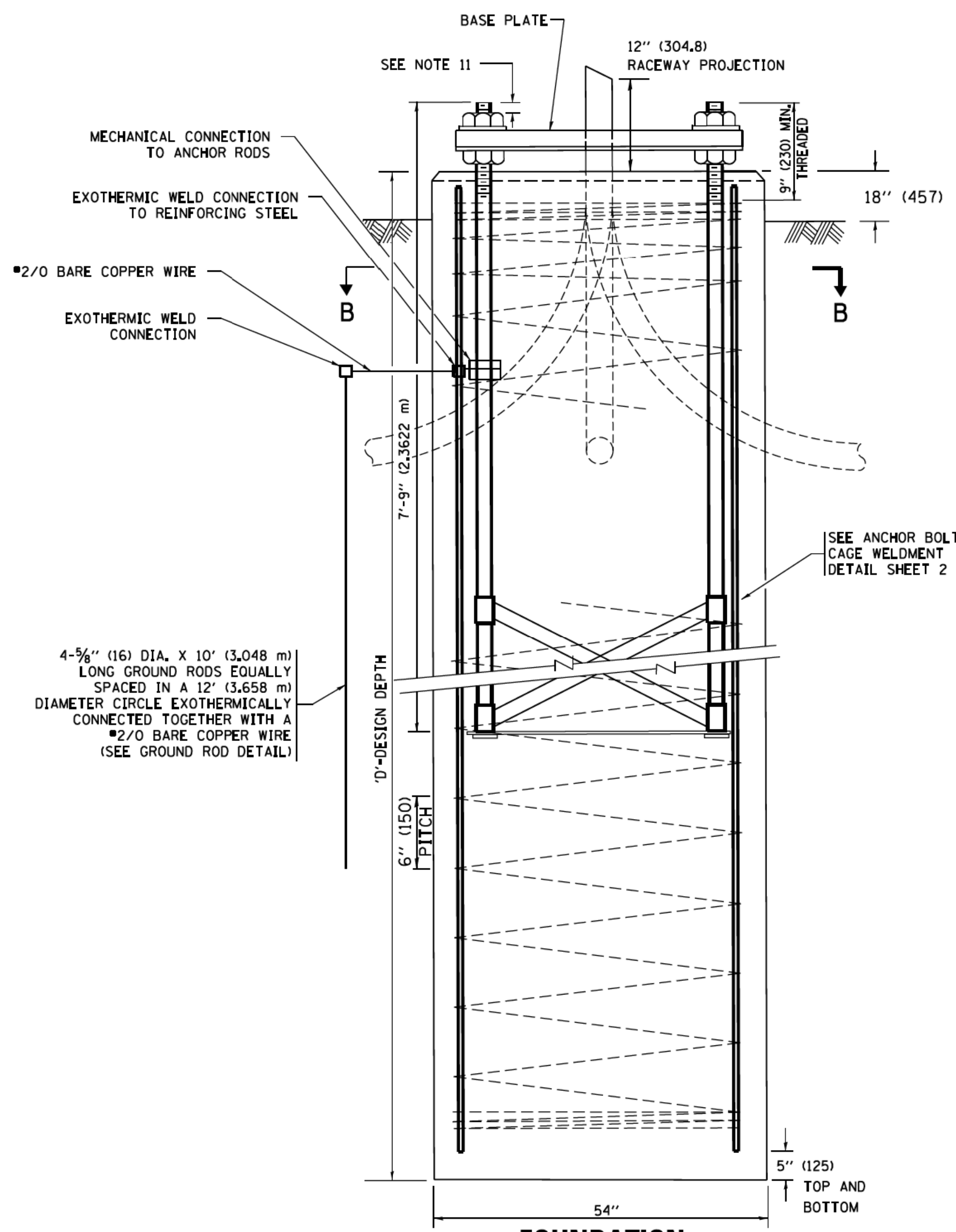
• 90/94/290

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist...	USER NAME = footemj	DESIGNED -	REVISED - R. TOMSONS 09-02-10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGH MAST LIGHT TOWER 100 FT TO 160 FT (30 m TO 49 m)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN ...\CADData\CADsheets\be500.dgn	REVISED - R. TOMSONS 02-27-13			•	2015-018R	COOK	1360 / 951
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. TOMSONS 04-29-16			BE-500		CONTRACT NO.	
Default	PLOT DATE = 7/27/2016	DATE -	REVISED - R. TOMSONS 07-26-16		SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		

SHAFT LENGTH (D) TABLE					
SOIL CONSISTENCY		AVERAGE STRENGTH	LIGHT TOWER MOUNTING HEIGHT		
		Qu In tsf (Qu In kPa)	120 FT. (37 m)	130 FT. (40 m)	140 FT. (43 m)
COHESIVE	SOFT	<0.5 (<50)	25'-0" (7.6 m)	26'-6" (8.0 m)	27'-6" (8.3 m)
	MEDIUM	0.5 TO 1 (50 to 100)	20'-6" (6.2 m)	21'-6" (6.4 m)	22'-0" (6.7 m)
	STIFF	1 TO 2 (100 TO 200)	17'-6" (5.2 m)	18'-0" (5.4 m)	18'-6" (5.5 m)
	VERY STIFF	2 TO 4 (200 TO 400)	15'-0" (4.5 m)	15'-6" (4.6 m)	16'-0" (4.7 m)
	HARD	>4 (>400)	13'-6" (4.0 m)	13'-6" (4.1 m)	14'-0" (4.2 m)
		N In BLOWS/FT. (N In BLOWS/0.3m)			
GRANULAR	VERY LOOSE	<5 (<5)	19'-0" (6.3 m)	20'-0" (6.0 m)	20'-6" (6.2 m)
	LOOSE	5 TO 10 (5 TO 10)	17'-6" (5.7 m)	18'-0" (5.5 m)	18'-6" (5.6 m)
	MEDIUM	10 TO 25 (10 TO 25)	16'-6" (5.5 m)	17'-0" (5.2 m)	17'-6" (5.3 m)
	DENSE	25 TO 50 (25 TO 50)	15'-6" (5.2 m)	16'-6" (4.9 m)	16'-6" (5.0 m)
	VERY DENSE	>50 (>50)	15'-0" (4.5 m)	15'-6" (4.7 m)	16'-0" (4.8 m)



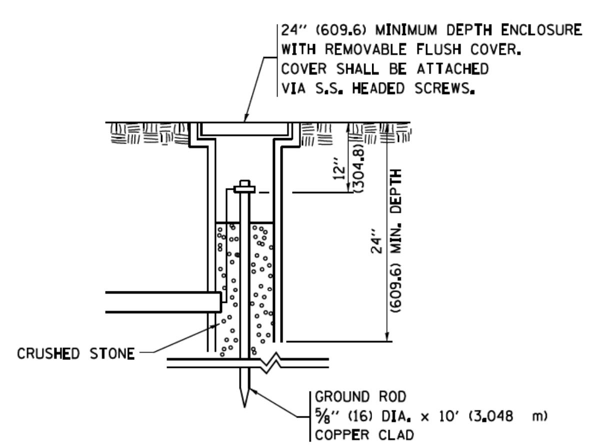
SECTION–B–B



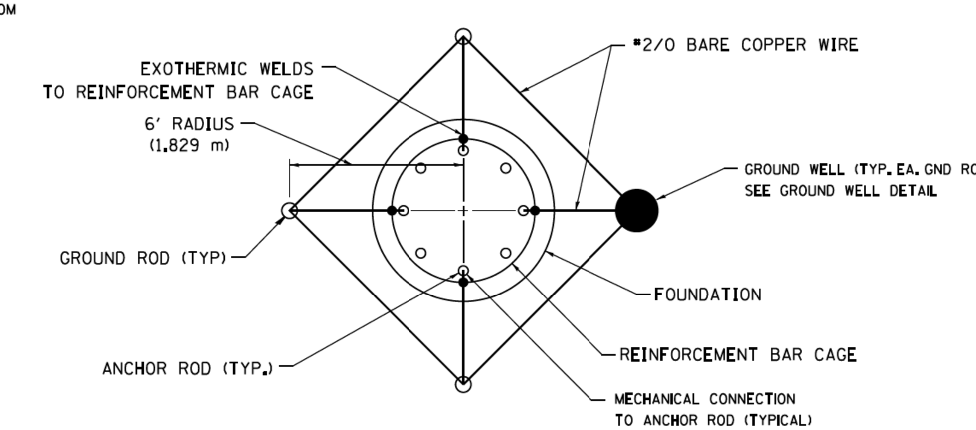
FOUNDATION ELEVATION

DESIGN NOTES

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN
2. THE ANCHOR RODS SHALL BE VERTICAL NO ADJUSTMENT SHALL BE ALLOWED AFTER THE FOUNDATION IS PLACED.
3. THE GAP BETWEEN THE FOUNDATION AND THE BASE PLATE SHALL BE ENCLOSED WITH A STAINLESS STEEL SCREEN FASTENED WITH A STAINLESS STEEL BAND.
4. THE TOP OF THE FOUNDATION TO 18" (450) BELOW GRADE SHALL BE FORMED.
5. SURFACE WATER WILL NOT BE PERMITTED TO ENTER THE HOLE AND ALL WATER WHICH MAY HAVE INFILTRATED INTO THE HOLE SHALL BE REMOVED BEFORE PLACING CONCRETE.
6. THE LIGHT TOWER SHALL NOT BE ERECTED UNTIL AFTER THE CONCRETE HAS BEEN CURED ACCORDING TO ARTICLE 1020.13.
7. ANCHOR RODS SHALL BE STRAIGHT AND SHALL BE ACCORDING TO ASTM F1554, GRADE 725 (GRADE 105) AND GALVANIZED ACCORDING TO ARTICLE 1006.9.
8. ANCHOR ROD INFORMATION SHALL BE SUBMITTED FOR APPROVAL AND SHALL BE FULLY COORDINATED FOR APPROVAL WITH TOWER MANUFACTURER REQUIREMENTS.
9. REINFORCEMENT BARS SHALL BE ACCORDING TO ARTICLE 1006.10
10. TWO ANCHOR RODS OPPOSITE EACH OTHER SHALL HAVE THE ANCHOR ROD THREADS PEENED AFTER NUTS ARE INSTALLED.
11. A MINIMUM OF THREE FULL THREADS SHALL REMAIN EXPOSED AFTER LIGHT TOWER IN INSTALLED.
12. ALL GROUNDING INDICATED IN THE PLANS SHALL BE INCLUDED IN THE COST OF THE LIGHT TOWER FOUNDATION AND SHALL NOT BE PAID FOR SEPARATELY.
13. CUT NUTS, OR JAM NUTS, ARE NOT ALLOWED
14. ANCHOR ROD QUANTITY, DIAMETER, AND LENGTH SHALL BE DETERMINED BY THE TOWER MANUFACTURER AND APPROVED BY THE ENGINEER. EACH FOUNDATION SHALL HAVE A MINIMUM OF 8 ANCHOR RODS.
15. COORDINATE THE ROD CIRCLE DIAMETER OF THE TOWER WITH THE DIAMETER OF THE ANCHOR ROD CAGE.
16. THE FOUNDATION SHALL BE POURED MONOLITHICALLY AND SHALL HAVE NO CONSTRUCTION JOINTS.



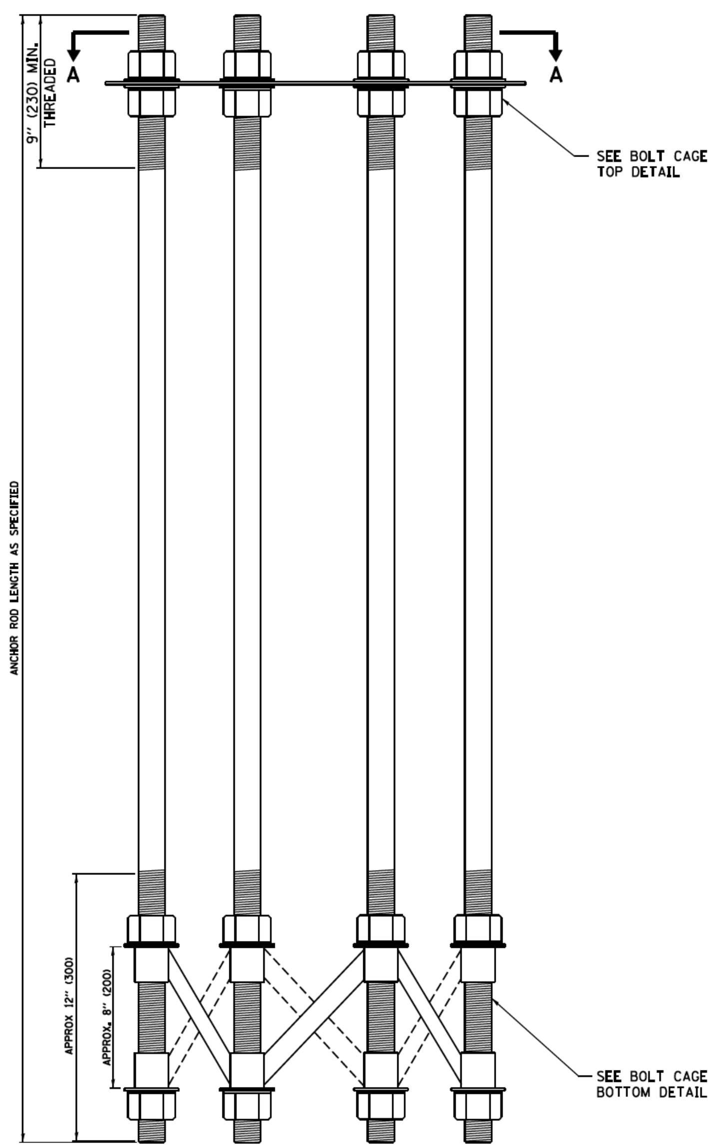
GROUND WELL DETAIL



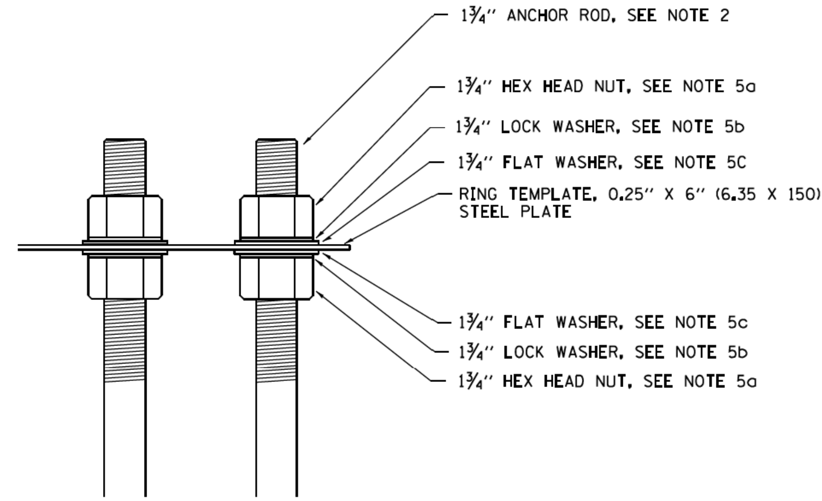
GROUND ROD DETAIL

• 90/94/290

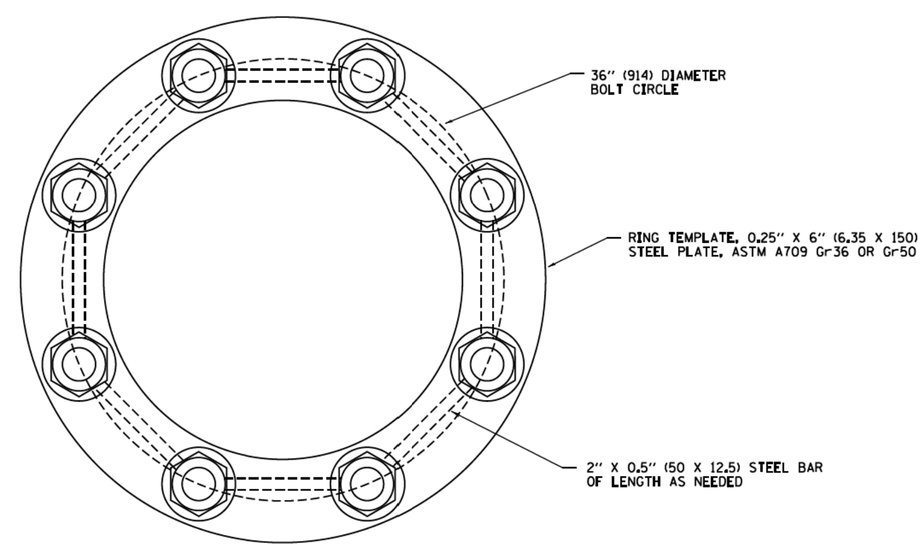
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist1\DRAWN\CADData\CADsheets\be506.dgn	USER NAME = footemj	DESIGNED -	REVISED - R. TOMSONS 09-02-10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGH MAST LIGHT TOWER 120 FT TO 140 FT FOUNDATION DETAIL	F.A.I RTE. • / SECTION 2015-018R / COUNTY COOK / TOTAL SHEETS 1360 / SHEET NO. 952
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - R. TOMSONS 02-27-13			BE-506 / CONTRACT NO.
Default	PLOT DATE = 4/29/2016	DATE - 03-12-10	REVISED - R. TOMSONS 04-29-16		SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT
			REVISED -			



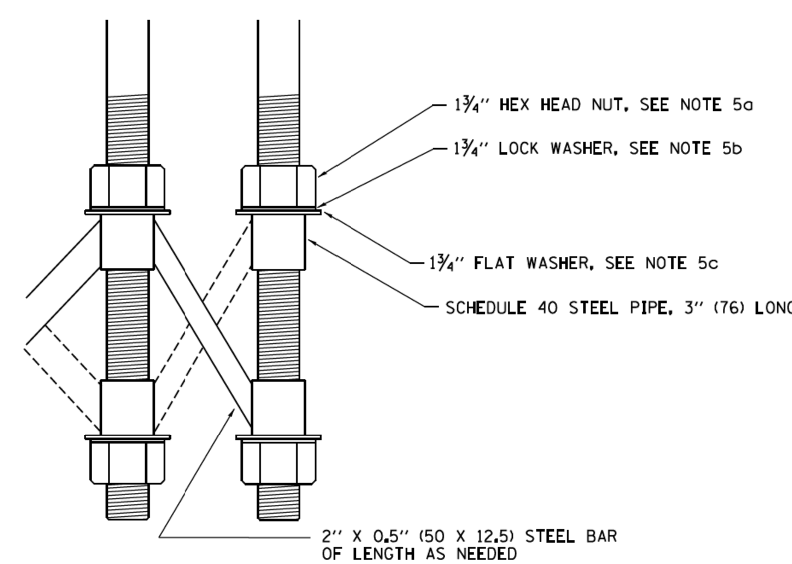
ANCHOR BOLT CAGE



BOLT CAGE TOP



SECTION A–A



BOLT CAGE BOTTOM

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN
2. ANCHOR RODS SHALL BE STRAIGHT AND SHALL BE ACCORDING TO ASTM F1554, GRADE 725 (GRADE 105) AND GALVANIZED ACCORDING TO ARTICLE 1006.09.
3. ANCHOR ROD INFORMATION SHALL BE SUBMITTED FOR APPROVAL AND SHALL BE FULLY COORDINATED WITH TOWER MANUFACTURERS REQUIREMENTS
4. CUT NUTS, OR JAM NUTS, ARE NOT ALLOWED
5. ANCHOR ROD CAGE HARDWARE SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
   a) 1.5 (38) HEX HEAD NUTS
      AASHTO M291, GRADE C, C3, D ,DH OR DH3
      HOT DIPPED GALVANIZED AASHTO M 232
   b) 1.5 (38) HELICAL LOCK WASHERS
      ANSI/ASME B18.21.1
      I.D. 1.504 - 1.524
      O.D. 2.159 MAX.
      WIDTH 0.292 MIN.
      THICKNESS 0.375 MIN.
      HARDNESS 26-45 ROCKWELL C
      HOT DIPED GALVANIZED AASHTO M232
   c) 1.5 (38) FLAT WASHERS
      AASHTO M293
      O.D. 2.75
      I.D. 1.56
      THICKNESS 0.16 - 0.25
      HARDNESS 26-45 ROCKWELL C.
      HOT DIPED GALVANIZED AASHTO M232
6. THE SHAFT LENGTHS SHALL BE BASED ON SOIL BORINGS IN THE PLANS AND OR A DETERMINATION OF SOIL CONDITIONS BY THE ENGINEER.
7. ALL FOUNDATION REINFORCEMENT STEEL SHALL BE EPOXY COATED.
8. THE FOUNDATION SHALL BE POURED MONOLITHICALLY AND SHALL HAVE NO CONSTRUCTION JOINTS.
9. ANCHOR RODS AND ALL ASSOCIATED HARDWARE ARE SHOWN AS MINIMUMS. SIZING SHALL BE DETERMINED BY THE TOWER MANUFACTURER AND APPROVED BY THE ENGINEER. EACH FOUNDATION SHALL HAVE A MINIMUM OF 8 ANCHOR RODS.

• 90/94/290

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist1\DRAWN\CADData\CADsheets\be506.dgn
Default

USER NAME = footemj	DESIGNED - R. TOMSONS 09-02-10	REVISED - R. TOMSONS 02-27-13
	DRAWN	REVISED - R. TOMSONS 04-29-16
PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/29/2016	DATE -	REVISED -

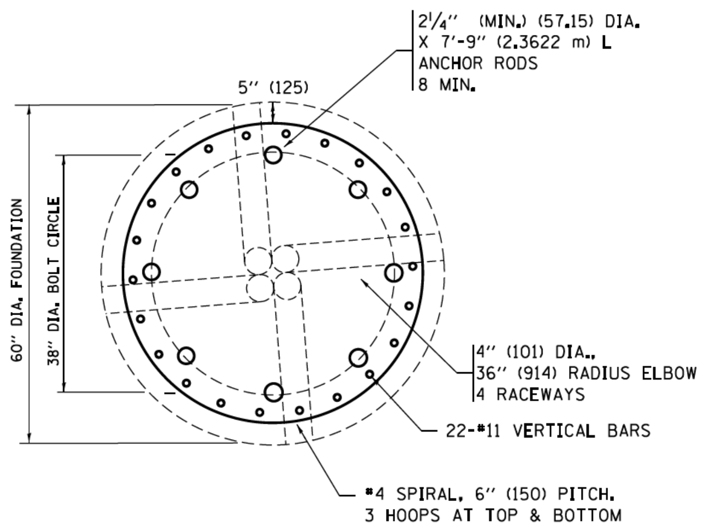
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGH MAST LIGHT TOWER
120 FT TO 140 FT FOUNDATION DETAIL

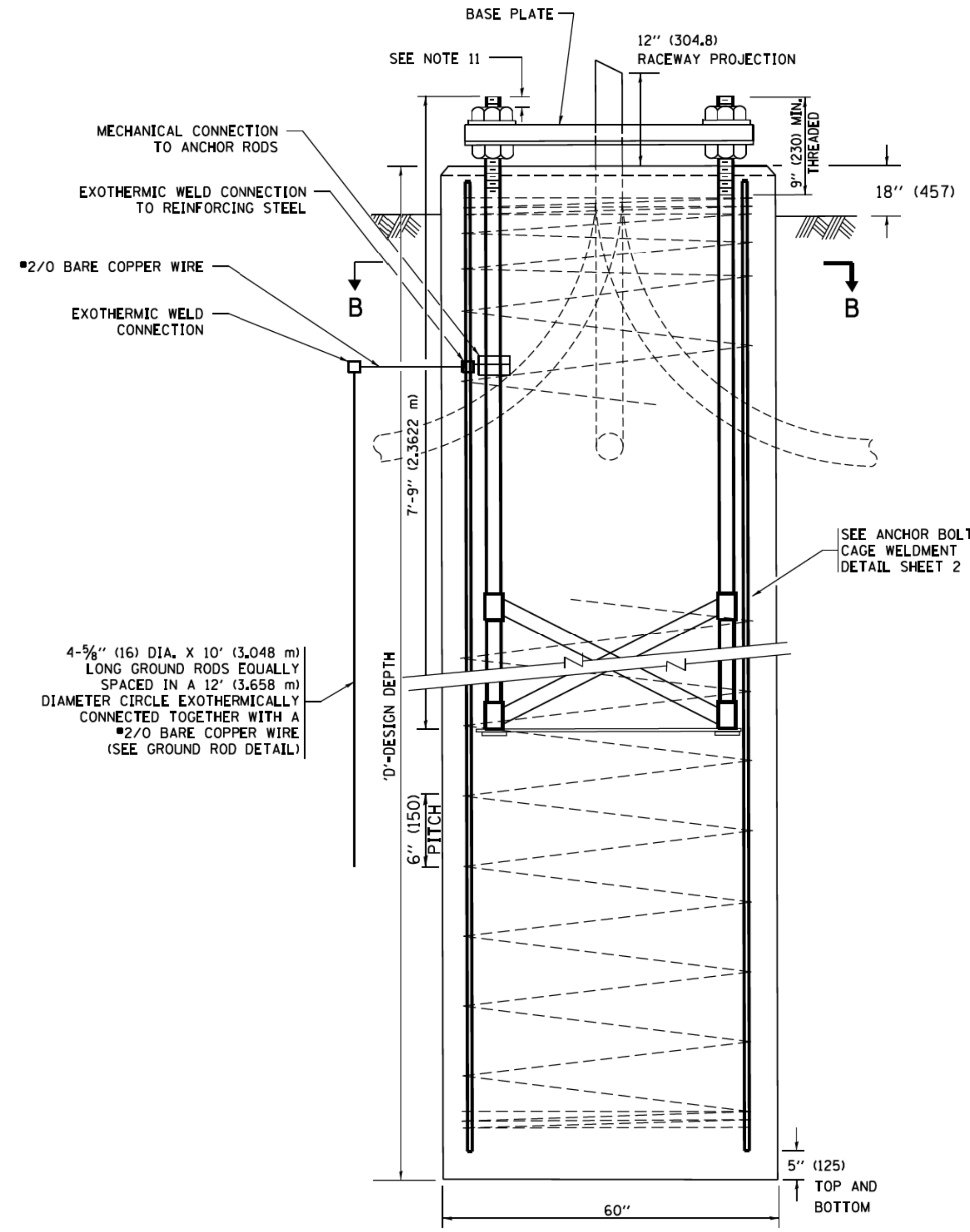
SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	953
	BE-506	CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

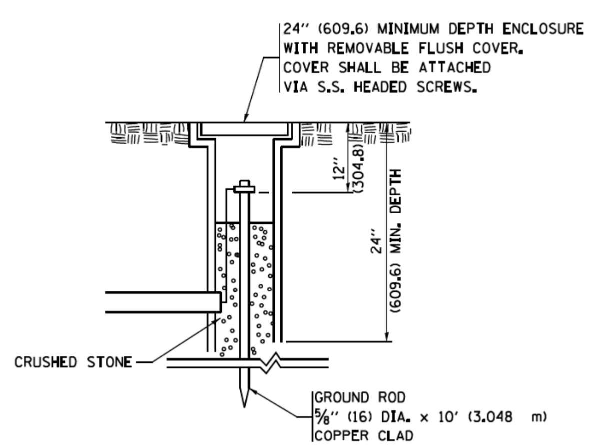
SHAFT LENGTH (D) TABLE				
SOIL CONSISTENCY		AVERAGE STRENGTH	LIGHT TOWER MOUNTING HEIGHT	
		Qu In tsf (Qu In kPa)	150 FT. (46 m)	160 FT. (48.8 m)
COHESIVE	SOFT	<0.5 (<50)	28'-6" (8.7 m)	30'-0" (9.1 m)
	MEDIUM	0.5 TO 1 (50 to 100)	23'-6" (7.0 m)	24'-0" (7.3 m)
	STIFF	1 TO 2 (100 TO 200)	19'-6" (5.9 m)	20'-0" (6.1 m)
	VERY STIFF	2 TO 4 (200 TO 400)	17'-0" (5.1 m)	17'-6" (5.2 m)
	HARD	>4 (>400)	15'-6" (4.5 m)	15'-6" (4.5 m)
		N In BLOWS/FT. (N In BLOWS/0.3m)		
GRANULAR	VERY LOOSE	<5 (<5)	21'-0" (6.3 m)	21'-6" (6.5 m)
	LOOSE	5 TO 10 (5 TO 10)	19'-0" (5.7 m)	19'-6" (5.9 m)
	MEDIUM	10 TO 25 (10 TO 25)	18'-0" (5.5 m)	18'-6" (5.6 m)
	DENSE	25 TO 50 (25 TO 50)	17'-0" (5.2 m)	17'-6" (5.3 m)
	VERY DENSE	>50 (>50)	16'-6" (4.9 m)	17'-0" (5.1 m)



SECTION-B-B



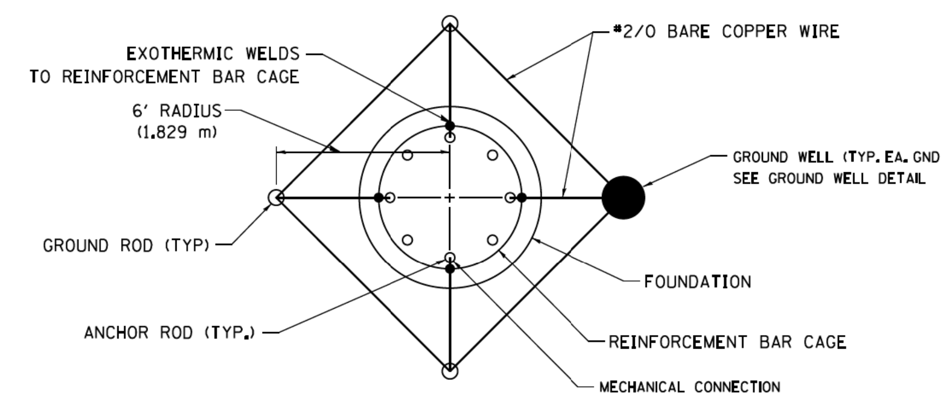
FOUNDATION ELEVATION



GROUND WELL DETAIL

DESIGN NOTES

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN
2. THE ANCHOR RODS SHALL BE VERTICAL NO ADJUSTMENT SHALL BE ALLOWED AFTER THE FOUNDATION IS PLACED.
3. THE GAP BETWEEN THE FOUNDATION AND THE BASE PLATE SHALL BE ENCLOSED WITH A STAINLESS STEEL SCREEN FASTENED WITH A STAINLESS STEEL BAND.
4. THE TOP OF THE FOUNDATION TO 18" (450) BELOW GRADE SHALL BE FORMED.
5. SURFACE WATER WILL NOT BE PERMITTED TO ENTER THE HOLE AND ALL WATER WHICH MAY HAVE INFILTRATED INTO THE HOLE SHALL BE REMOVED BEFORE PLACING CONCRETE.
6. THE LIGHT TOWER SHALL NOT BE ERECTED UNTIL AFTER THE CONCRETE HAS BEEN CURED ACCORDING TO ARTICLE 1020.13.
7. ANCHOR RODS SHALL BE STRAIGHT AND SHALL BE ACCORDING TO ASTM F1554, GRADE 725 (GRADE 105) AND GALVANIZED ACCORDING TO ARTICLE 1006.9.
8. ANCHOR ROD INFORMATION SHALL BE SUBMITTED FOR APPROVAL AND SHALL BE FULLY COORDINATED FOR APPROVAL WITH TOWER MANUFACTURER REQUIREMENTS.
9. REINFORCEMENT BARS SHALL BE ACCORDING TO ARTICLE 1006.10
10. TWO ANCHOR RODS OPPOSITE EACH OTHER SHALL HAVE THE ANCHOR ROD THREADS PEENED AFTER NUTS ARE INSTALLED.
11. A MINIMUM OF THREE FULL THREADS SHALL REMAIN EXPOSED AFTER LIGHT TOWER IN INSTALLED.
12. ALL GROUNDING INDICATED IN THE PLANS SHALL BE INCLUDED IN THE COST OF THE LIGHT TOWER FOUNDATION AND SHALL NOT BE PAID FOR SEPARATELY.
13. CUT NUTS, OR JAM NUTS, ARE NOT ALLOWED
14. ANCHOR ROD QUANTITY, DIAMETER, AND LENGTH SHALL BE DETERMINED BY THE TOWER MANUFACTURER AND APPROVED BY THE ENGINEER. EACH FOUNDATION SHALL HAVE A MINIMUM OF 8 ANCHOR RODS.
15. COORDINATE THE ROD CIRCLE DIAMETER OF THE TOWER WITH THE DIAMETER OF THE ANCHOR ROD CAGE.
16. THE FOUNDATION SHALL BE POURED MONOLITHICALLY AND SHALL HAVE NO CONSTRUCTION JOINTS.



GROUND ROD DETAIL

• 90/94/290

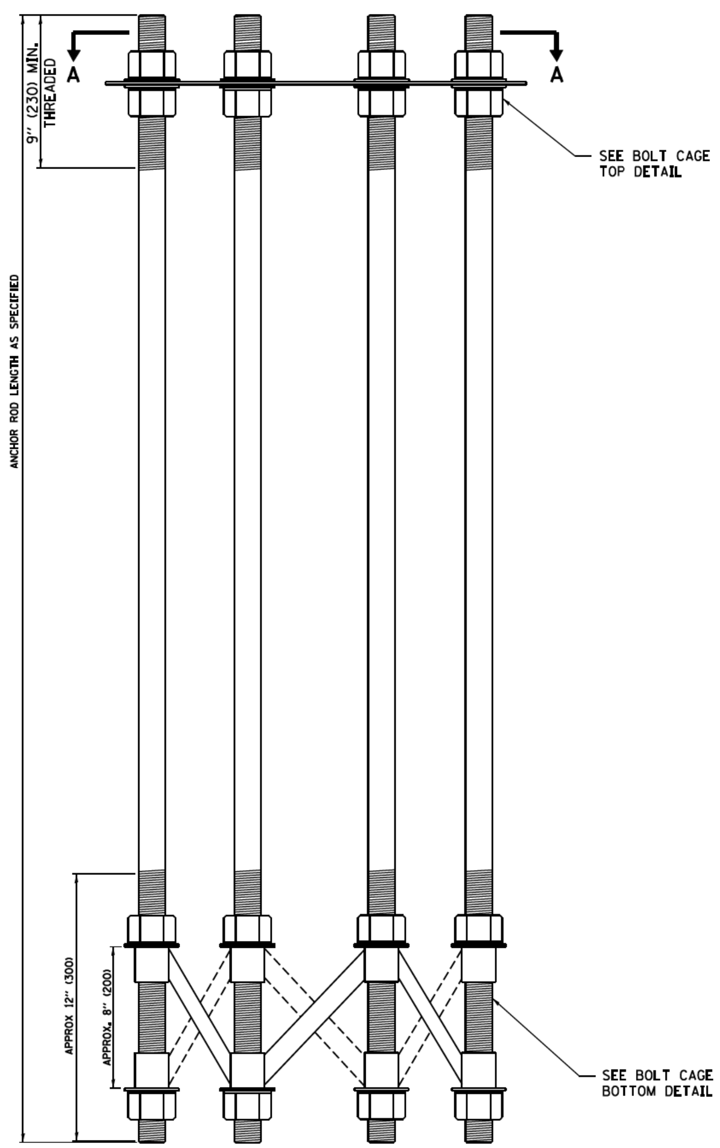
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\DRAWN\CADData\CADsheets\be511.dgn	USER NAME = footemj	DESIGNED - R. TOMSONS	REVISED - R. TOMSONS 02-27-13
		DRAWN	REVISED - R. TOMSONS 04-29-16
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 4/29/2016	DATE - 09-02-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

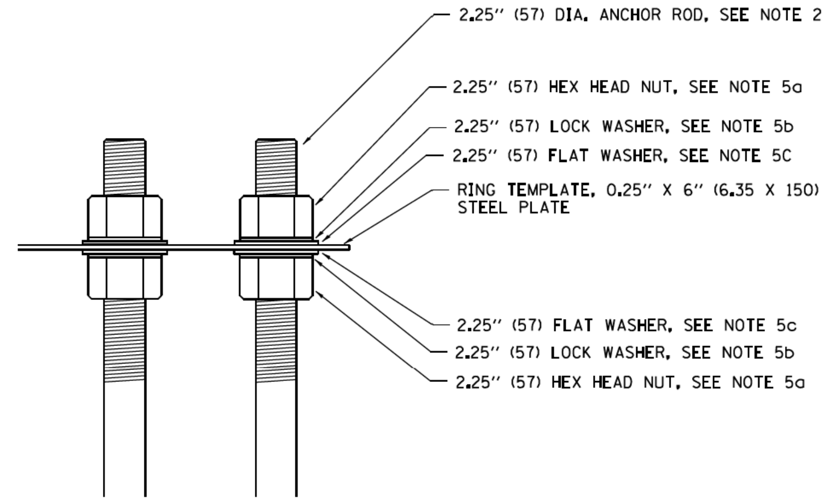
HIGH MAST LIGHT TOWER
150 FT TO 160 FT FOUNDATION DETAIL

SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

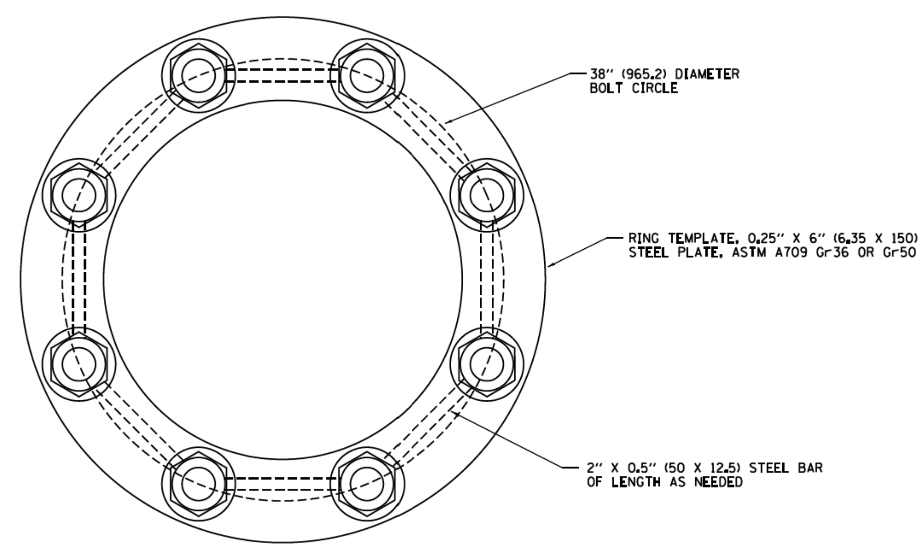
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	954
	BE-511	CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		



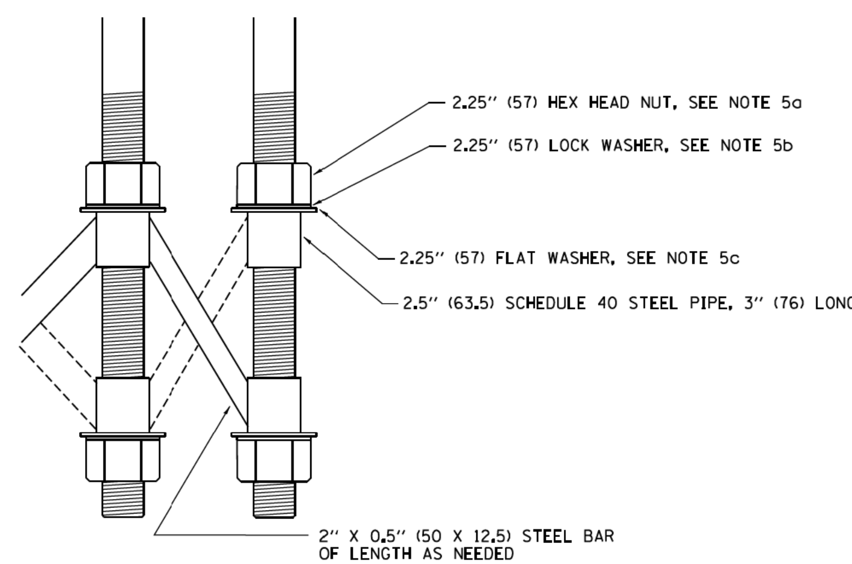
ANCHOR BOLT CAGE



BOLT CAGE TOP



SECTION A–A



BOLT CAGE BOTTOM

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN
2. ANCHOR RODS SHALL BE STRAIGHT AND SHALL BE ACCORDING TO ASTM F1554, GRADE 725 (GRADE 105) AND GALVANIZED ACCORDING TO ARTICLE 1006.09.
3. ANCHOR ROD INFORMATION SHALL BE SUBMITTED FOR APPROVAL AND SHALL BE FULLY COORDINATED WITH TOWER MANUFACTURERS REQUIREMENTS
4. CUT NUTS, OR JAM NUTS, ARE NOT ALLOWED
5. ANCHOR ROD CAGE HARDWARE SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

   a) 1.5 (38) HEX HEAD NUTS
      AASHTO M291, GRADE C, C3, D ,DH OR DH3
      HOT DIPPED GALVANIZED AASHTO M 232

   b) 1.5 (38) HELICAL LOCK WASHERS
      ANSI/ASME B18.21.1
      I.D. 1.504 - 1.524
      O.D. 2.159 MAX.
      WIDTH 0.292 MIN.
      THICKNESS 0.375 MIN.
      HARDNESS 26-45 ROCKWELL C
      HOT DIPED GALVANIZED AASHTO M232

   c) 1.5 (38) FLAT WASHERS
      AASHTO M293
      O.D. 2.75
      I.D. 1.56
      THICKNESS 0.16 - 0.25
      HARDNESS 26-45 ROCKWELL C.
      HOT DIPED GALVANIZED AASHTO M232

6. THE SHAFT LENGTHS SHALL BE BASED ON SOIL BORINGS IN THE PLANS AND OR A DETERMINATION OF SOIL CONDITIONS BY THE ENGINEER.
7. ALL FOUNDATION REINFORCEMENT STEEL SHALL BE EPOXY COATED.
8. THE FOUNDATION SHALL BE POURED MONOLITHICALLY AND SHALL HAVE NO CONSTRUCTION JOINTS.
9. ANCHOR RODS AND ALL ASSOCIATED HARDWARE ARE SHOWN AS MINIMUMS. SIZING SHALL BE DETERMINED BY THE TOWER MANUFACTURER AND APPROVED BY THE ENGINEER. EACH FOUNDATION SHALL HAVE A MINIMUM OF 8 ANCHOR RODS.

• 90/94/290

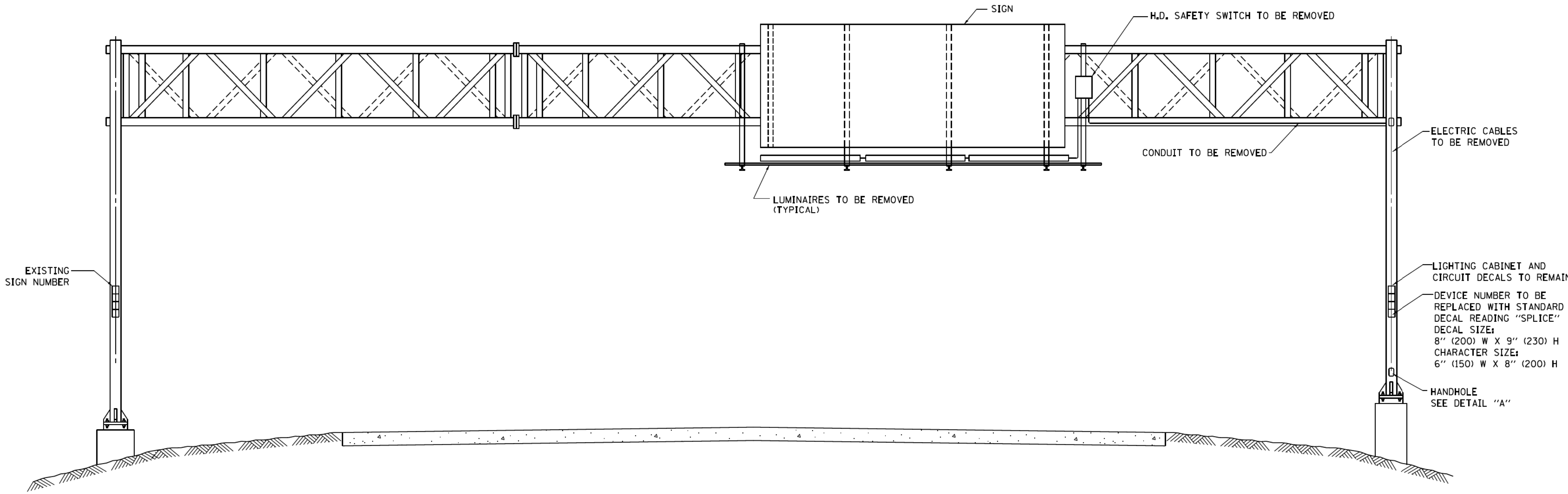
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist 1\DRAWN\CADData\CADsheets\be511.dgn	USER NAME = footemj	DESIGNED - R. TOMSONS	REVISED - R. TOMSONS 02-27-13
		DRAWN	REVISED - R. TOMSONS 04-29-16
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 4/29/2016	DATE - 09-02-10	REVISED -

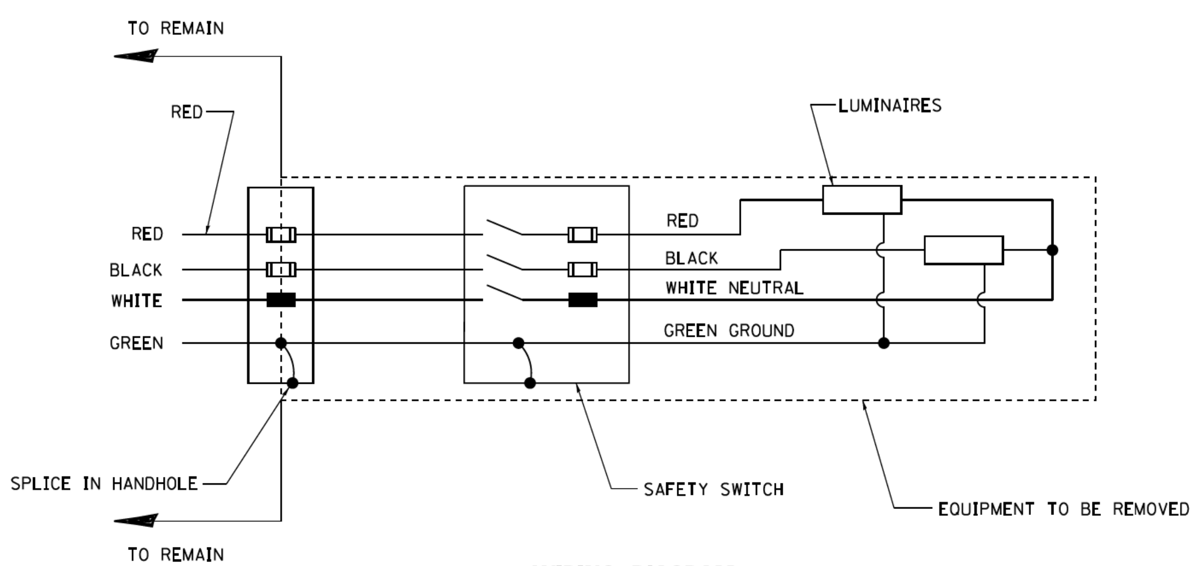
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGH MAST LIGHT TOWER
150 FT TO 160 FT FOUNDATION DETAIL

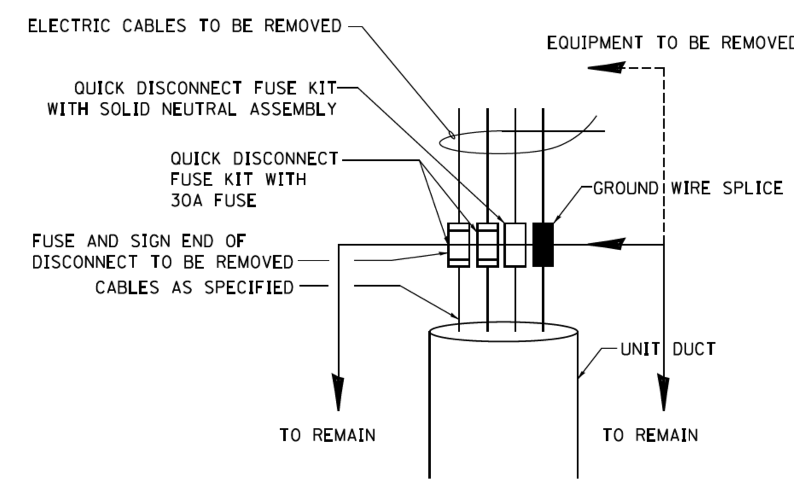
SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	955
	BE-511	CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		





WIRING DIAGRAM



DETAIL A

WIRING MODIFICATIONS:

A) IF SIGN IS NOT A FED THRU:
  1) REMOVE ALL WIRING FROM LOWER HANDHOLE OR JUNCTION BOX TO LUMINAIRES. (LOAD SIDE)
  2) CAP LINE SIDE OF WIRES.

B) IF SIGN IS USED AS A MID CIRCUIT TAP:
  1) REMOVE ALL WIRING FROM LOWER HANDHOLE OR JUNCTION BOX TO LUMINAIRES. (LOAD SIDE)
  2) RESPLICE LINE SIDE CABLES TO MAINTAIN CIRCUIT CONTINUITY.

NOTE:

1. CONTRACTOR TO COORDINATE WITH IDOT ELECTRIC MAINTENANCE CONTRACTOR PRIOR TO PERFORMING ANY WORK.

• 90/94/290

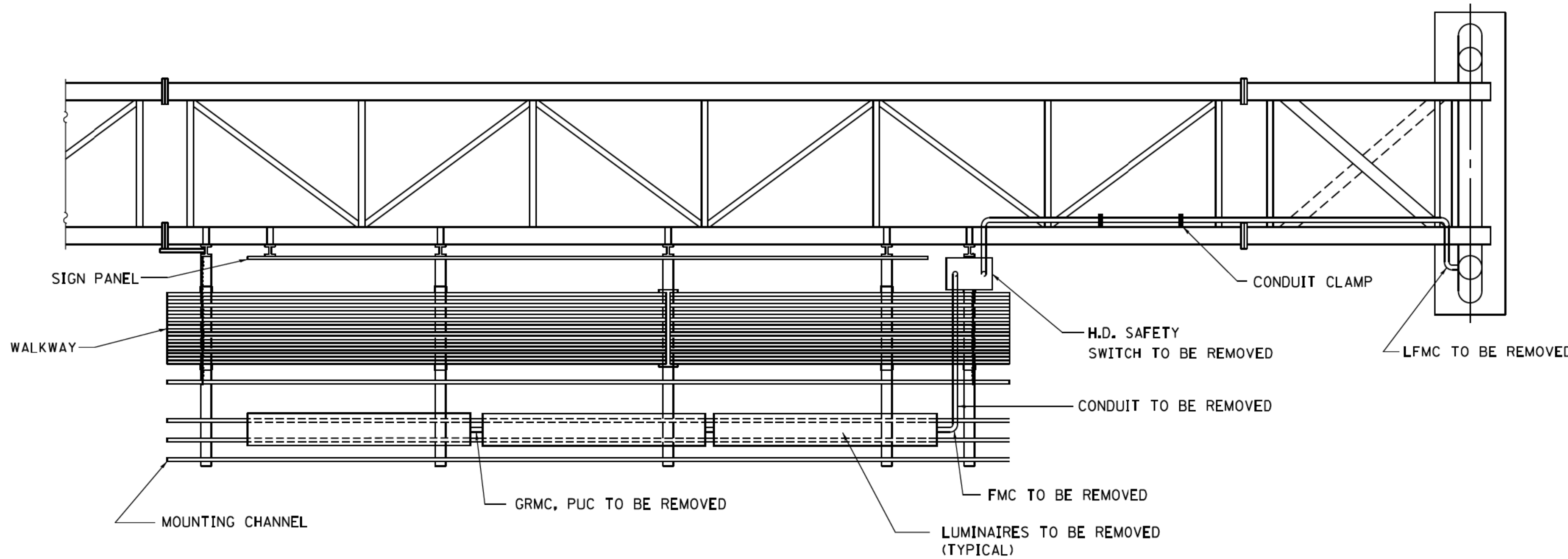
FILE NAME = W:\diststd\22x34\be610.dgn	USER NAME = liszekrf	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/16/2014	DATE - 10-16-14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

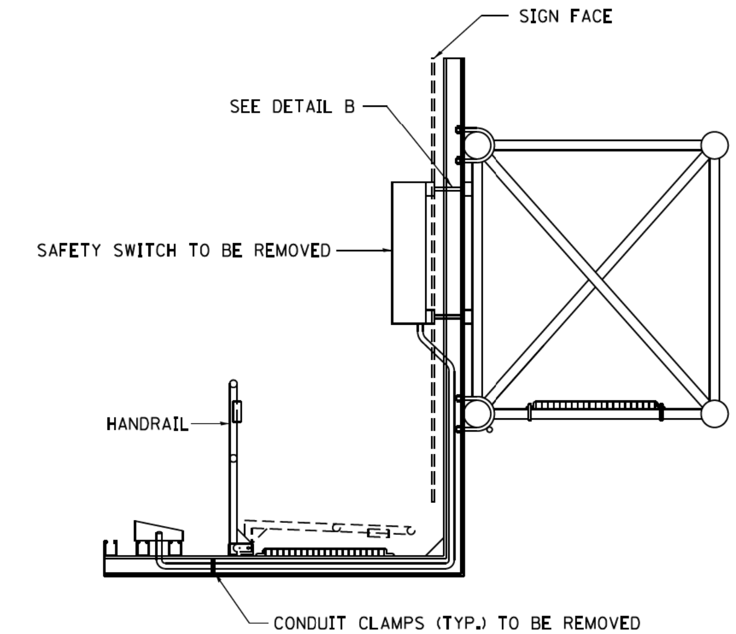
REMOVAL OF ELECTRICAL LIGHTING FROM SIGN STRUCTURE SHEET 1 OF 2
SPAN TYPE

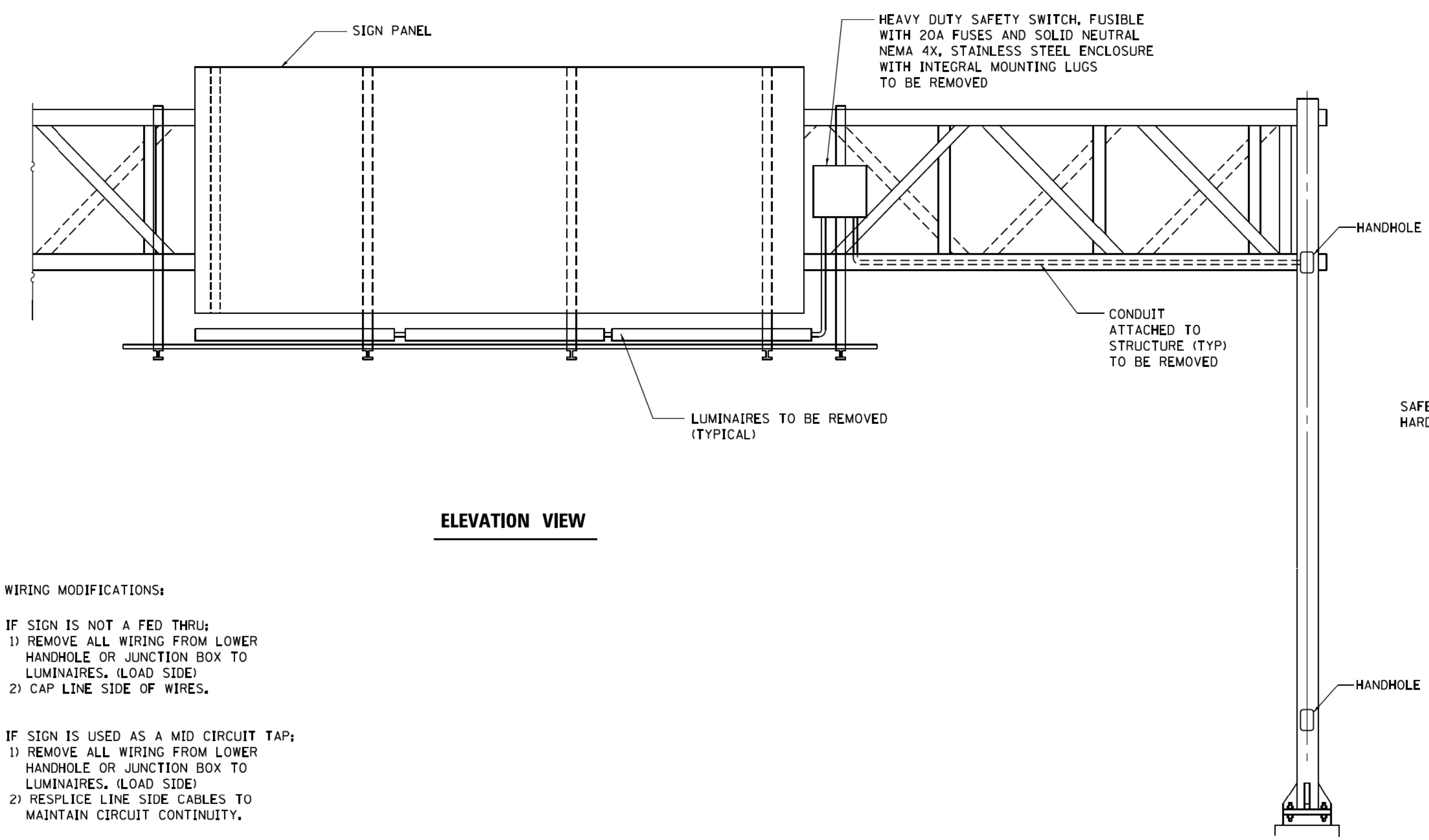
SCALE: NONE | SHEET NO. 1 OF 2 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	956
	BE-610	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

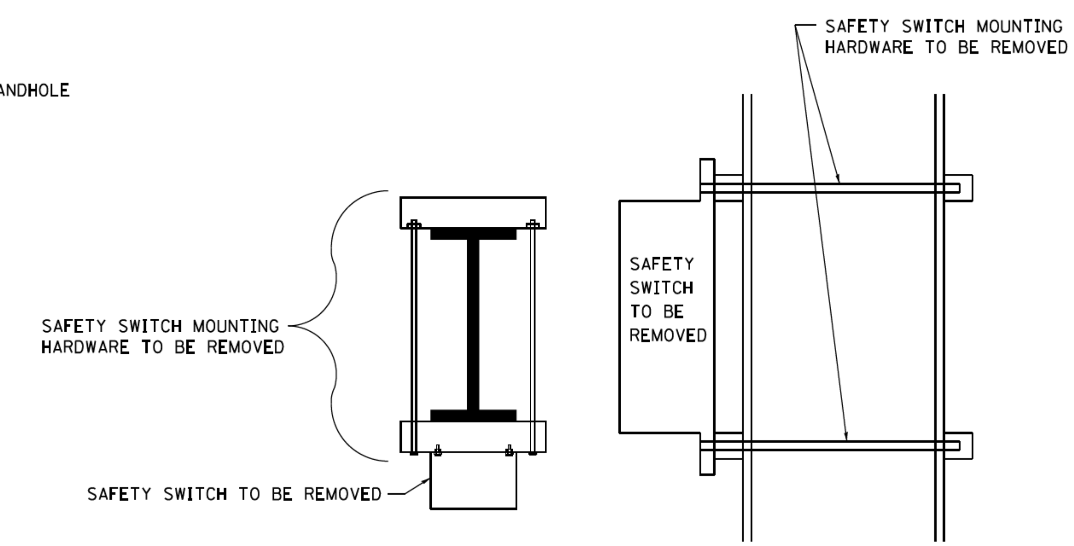


TOP VIEW





ELEVATION VIEW



TOP VIEW **SIDE VIEW**

DETAIL B

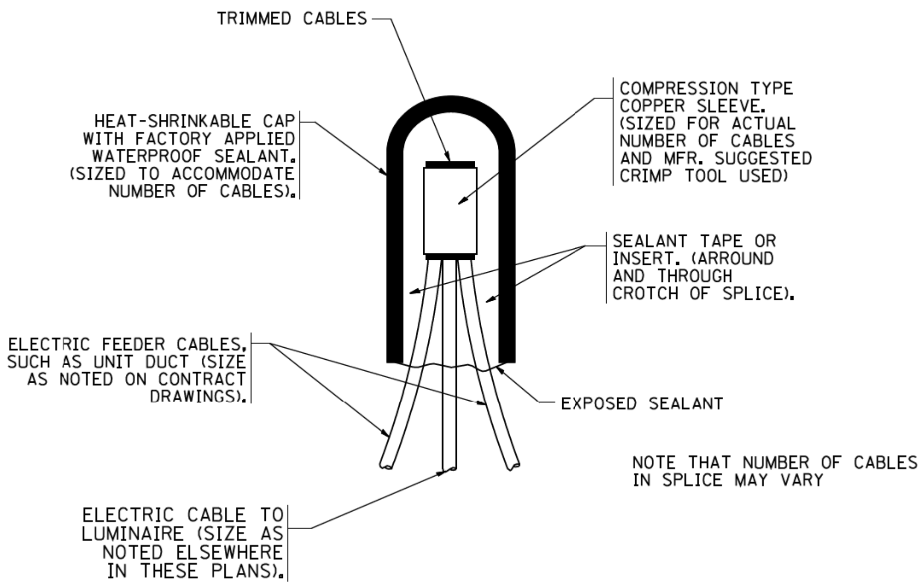
WIRING MODIFICATIONS:

A) IF SIGN IS NOT A FED THRU:
1) REMOVE ALL WIRING FROM LOWER HANDHOLE OR JUNCTION BOX TO LUMINAIRES. (LOAD SIDE)
2) CAP LINE SIDE OF WIRES.

B) IF SIGN IS USED AS A MID CIRCUIT TAP:
1) REMOVE ALL WIRING FROM LOWER HANDHOLE OR JUNCTION BOX TO LUMINAIRES. (LOAD SIDE)
2) RESPLICE LINE SIDE CABLES TO MAINTAIN CIRCUIT CONTINUITY.

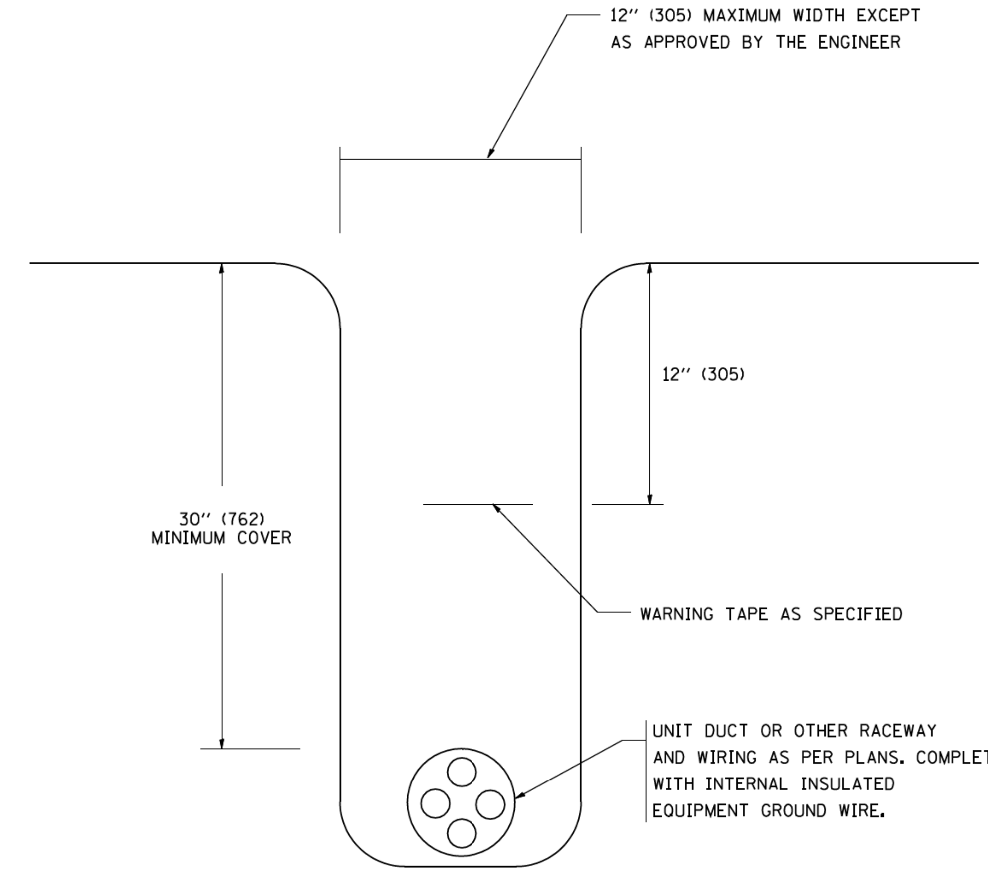
• 90/94/290

FILE NAME = W:\diststd\22x34\be610.dgn	USER NAME = liszekrf	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REMOVAL OF ELECTRICAL LIGHTING FROM SIGN STRUCTURE SHEET 2 OF 2 SPAN TYPE	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			•	2015-018R	COOK	1360 / 957
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -			BE-610		CONTRACT NO.	
	PLOT DATE = 10/16/2014	DATE - 10-16-14	REVISED -		SCALE: NONE / SHEET NO. 2 OF 2 SHEETS / STA. / TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	



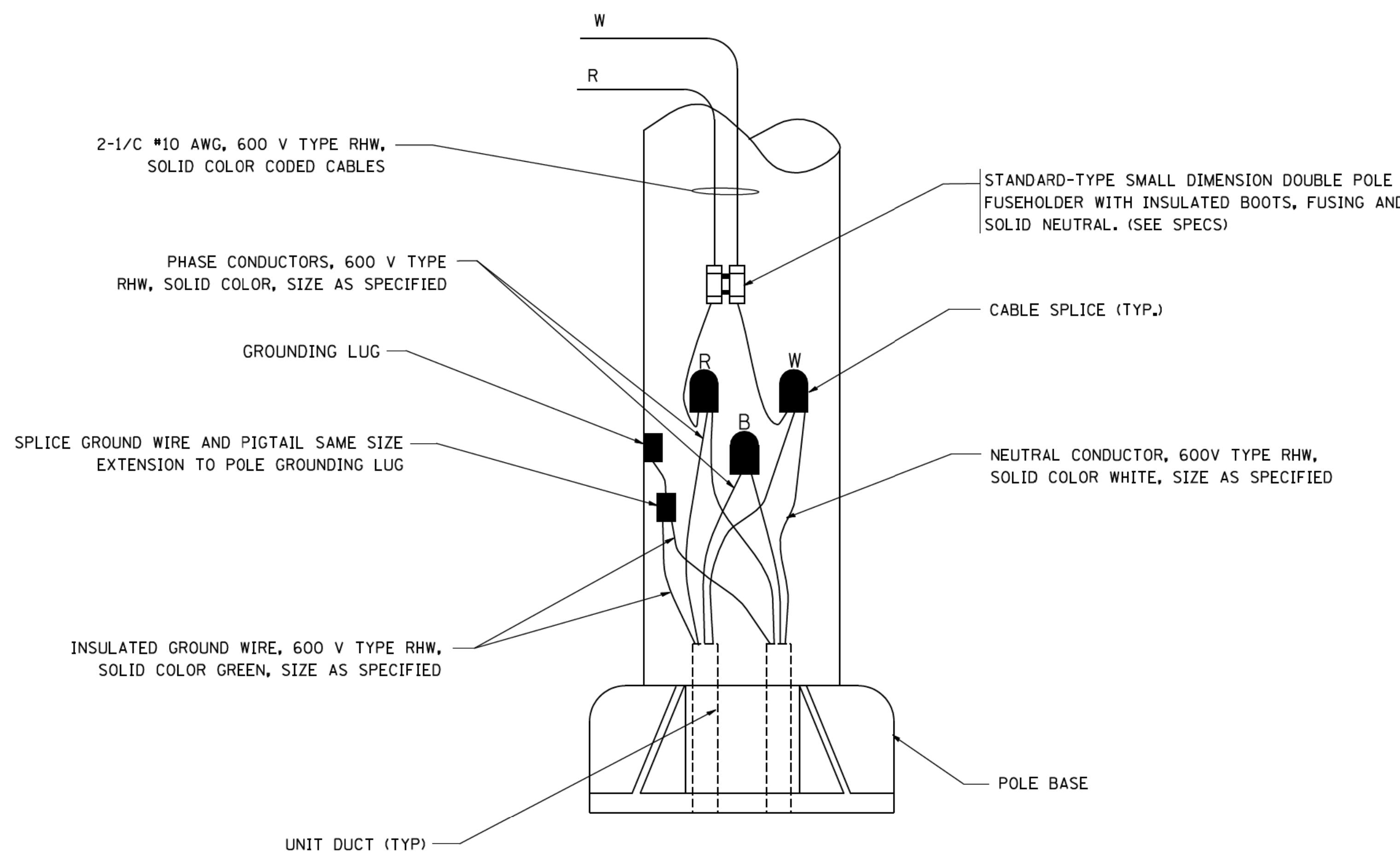
TYPICAL SPLICE DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



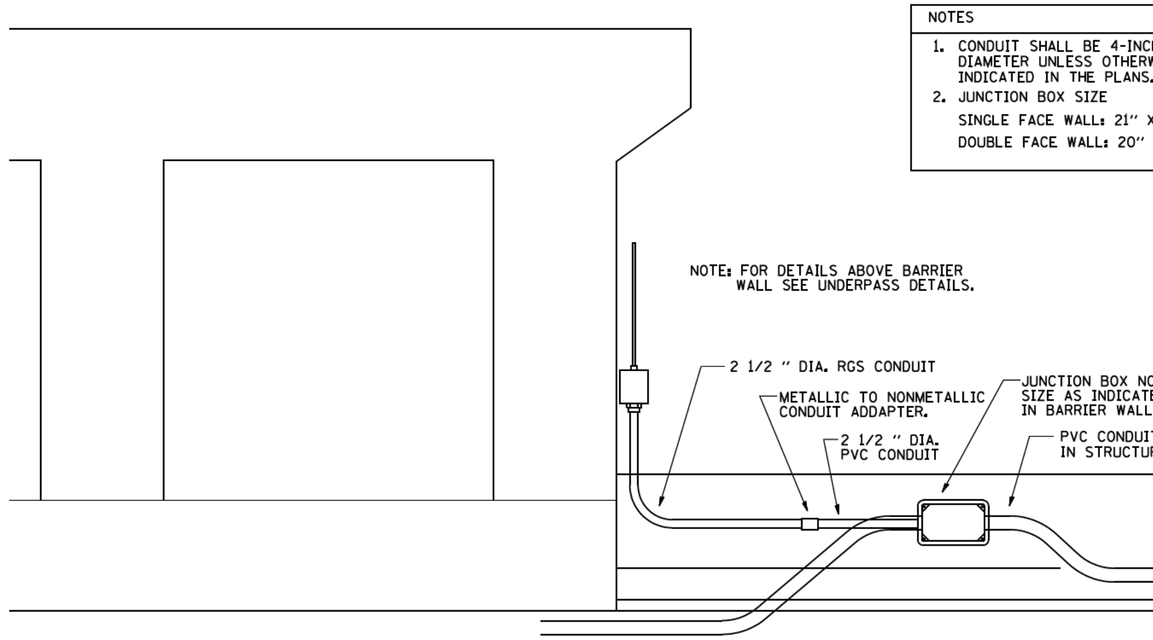
POLE WIRING DETAIL

N.T.S.

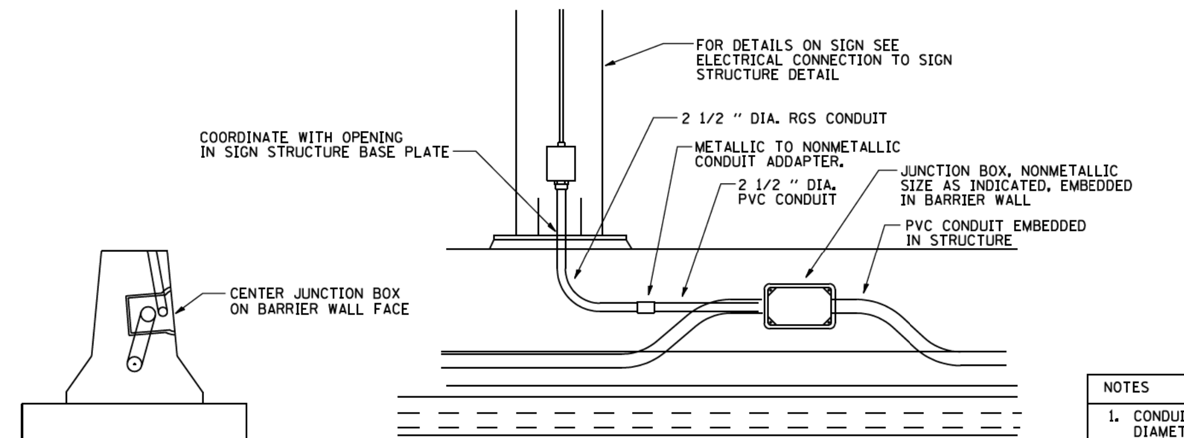
• 90/94/290

FILE NAME = W:\diststd\22x34\be702.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - 08-08-03	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**MISC. ELECTRICAL DETAILS SHEET A**	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			•	2015-018R	COOK	1360 / 958
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -			**BE-702**		CONTRACT NO.	
	PLOT DATE = 1/4/2008	DATE -	REVISED -		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. / TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	

NOTES
1. CONDUIT SHALL BE 4-INCH DIAMETER UNLESS OTHERWISE INDICATED IN THE PLANS.
2. JUNCTION BOX SIZE
SINGLE FACE WALL: 21" X 11" X 8"
DOUBLE FACE WALL: 20" X 13" X 12"

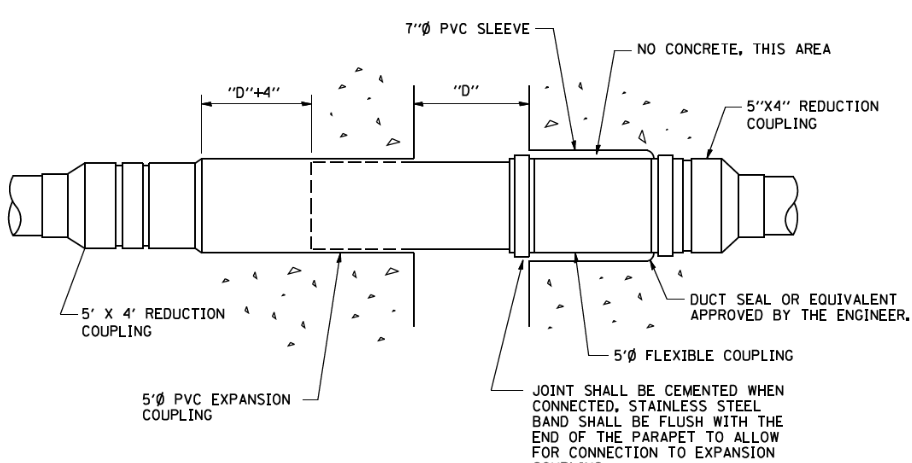


ED - BWD
ELECTRIC CONNECTION TO UNDERPASS LIGHTING

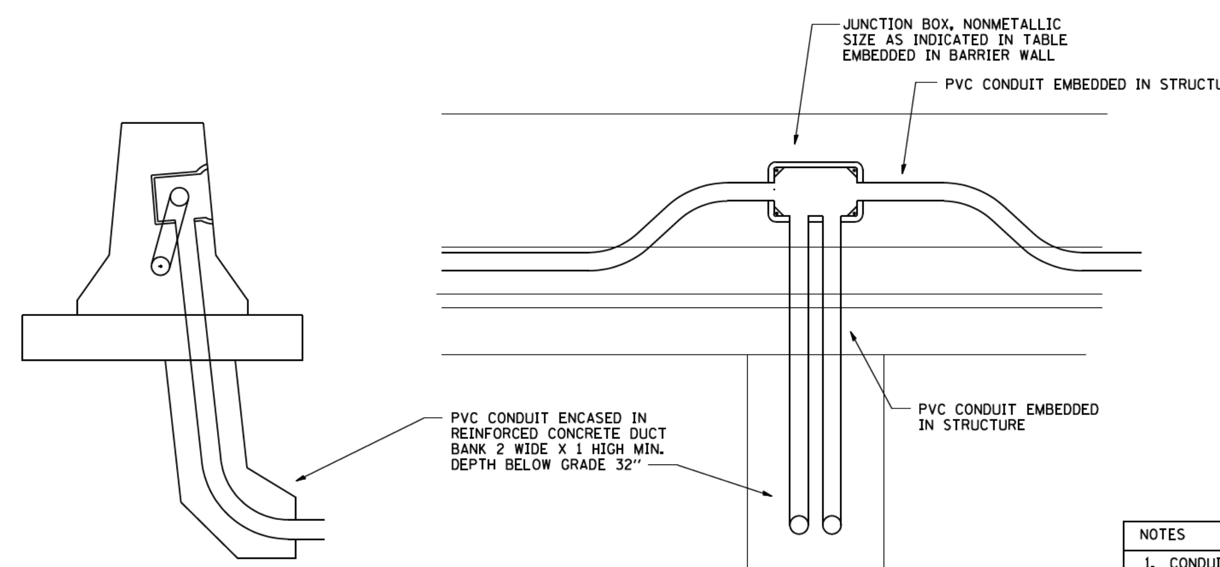


NOTES
1. CONDUIT SHALL BE 4-INCH DIAMETER UNLESS OTHERWISE INDICATED IN THE PLANS.
2. JUNCTION BOX SIZE
SINGLE FACE WALL: 21" X 11" X 8"
DOUBLE FACE WALL: 20" X 13" X 12"

ED - SGN
JUNCTION BOX EMBEDDED IN BARRIER WALL FOR SIGN LIGHTING



INSTALLATION OF CONDUIT
IN BRIDGE PARAPET EXPANSION JOINT
(N.T.S.)

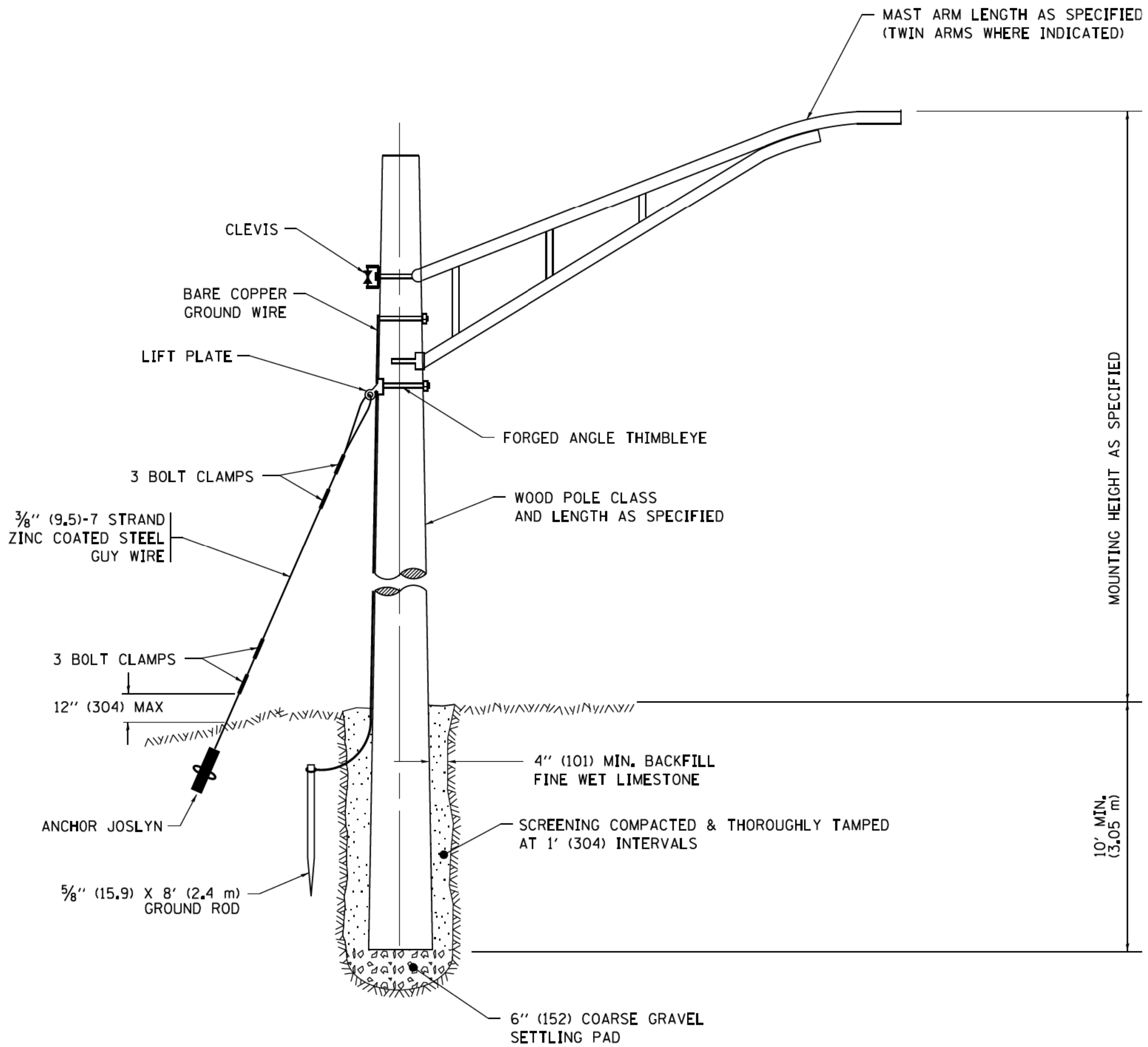


NOTES
1. CONDUIT SHALL BE 4-INCH DIAMETER UNLESS OTHERWISE INDICATED IN THE PLANS.
2. JUNCTION BOX SIZE
SINGLE FACE WALL: 21" X 11" X 8"
DOUBLE FACE WALL: 20" X 13" X 12"

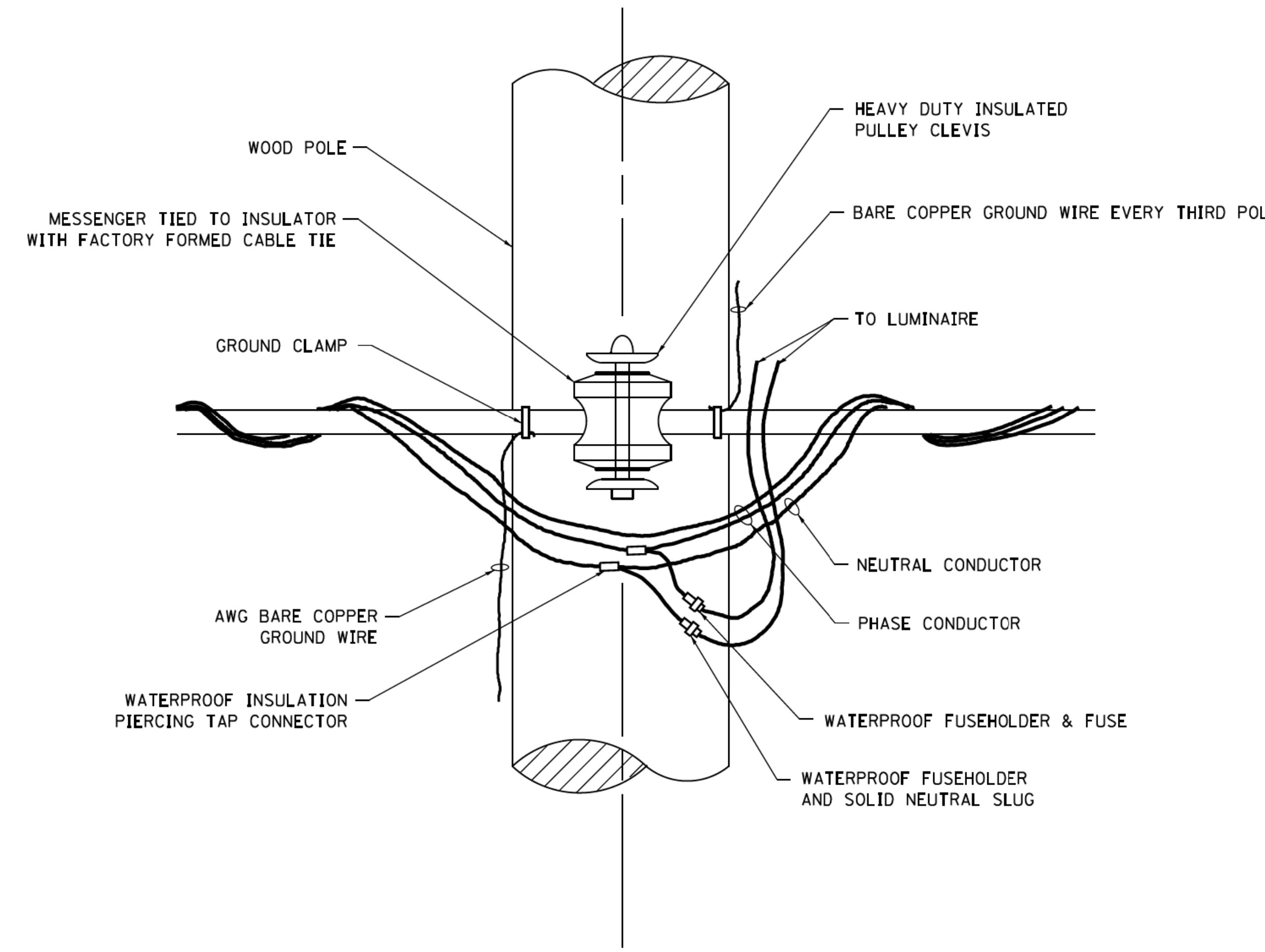
ED - BW
JUNCTION BOX EMBEDDED IN BARRIER WALL

• 90/94/290

FILE NAME = be703.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**MISCELLANEOUS ELECTRICAL DETAILS, SHEET B J BOX EMBEDDED IN BARRIER WALL – INSTALLATION OF CONDUIT IN BRIDGE PARAPET EXPANSION JOINT – ELECTRIC CONNECTION TO UNDERPASS LIGHTING**	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			•	2015-018R	COOK	1360 / 959
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -			**BE-703**		CONTRACT NO.	
	PLOT DATE = 2/5/2009	DATE - 01-20-2009	REVISED -		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	



TEMPORARY LIGHT POLE DETAIL



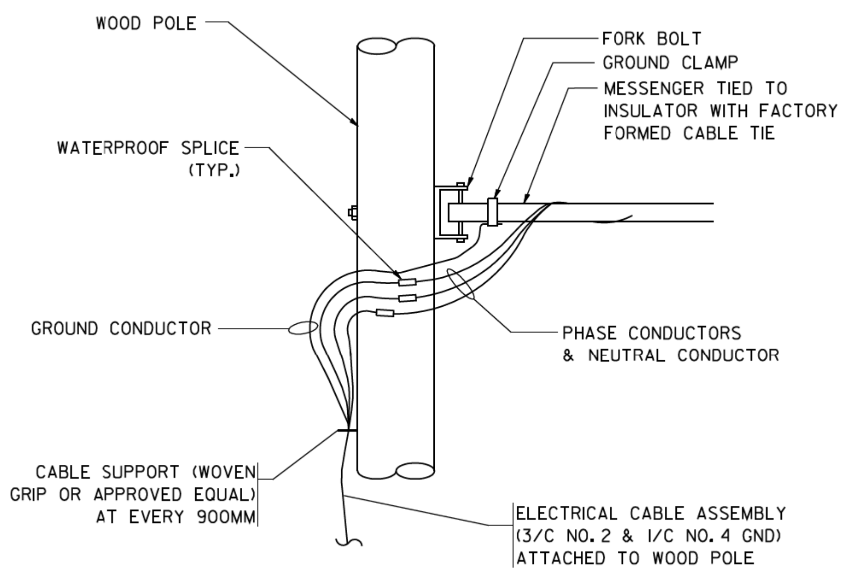
TEMPORARY LIGHT POLE ATTACHMENT DETAIL

NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.

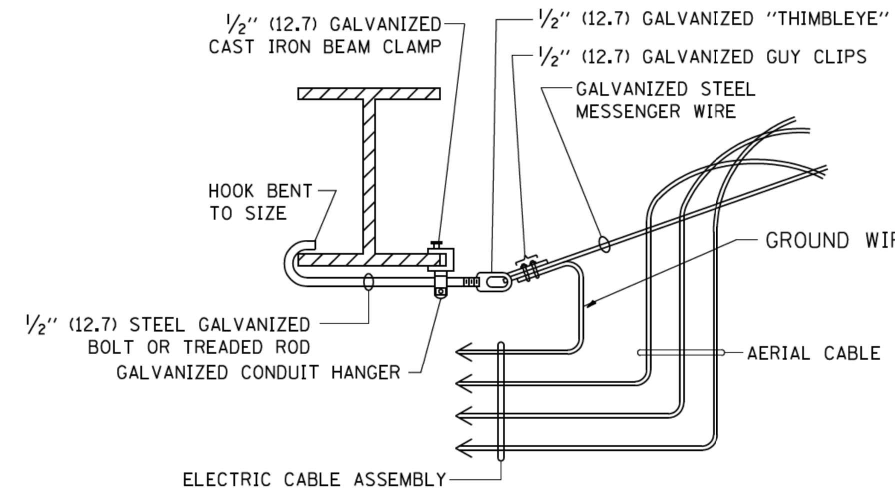
• 90/94/290

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\District\CADData\CADsheets\be800.dgn	USER NAME = footemj	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY LIGHT POLE DETAILS	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED - R.T. 07-26-16			•	2015-018R	COOK	1360 / 960
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED -			BE-800		CONTRACT NO.	
Default	PLOT DATE = 9/1/2016	DATE -	REVISED -		SCALE: NONE / SHEET 1 OF 1 SHEETS / STA. / TO STA.			ILLINOIS FED. AID PROJECT	



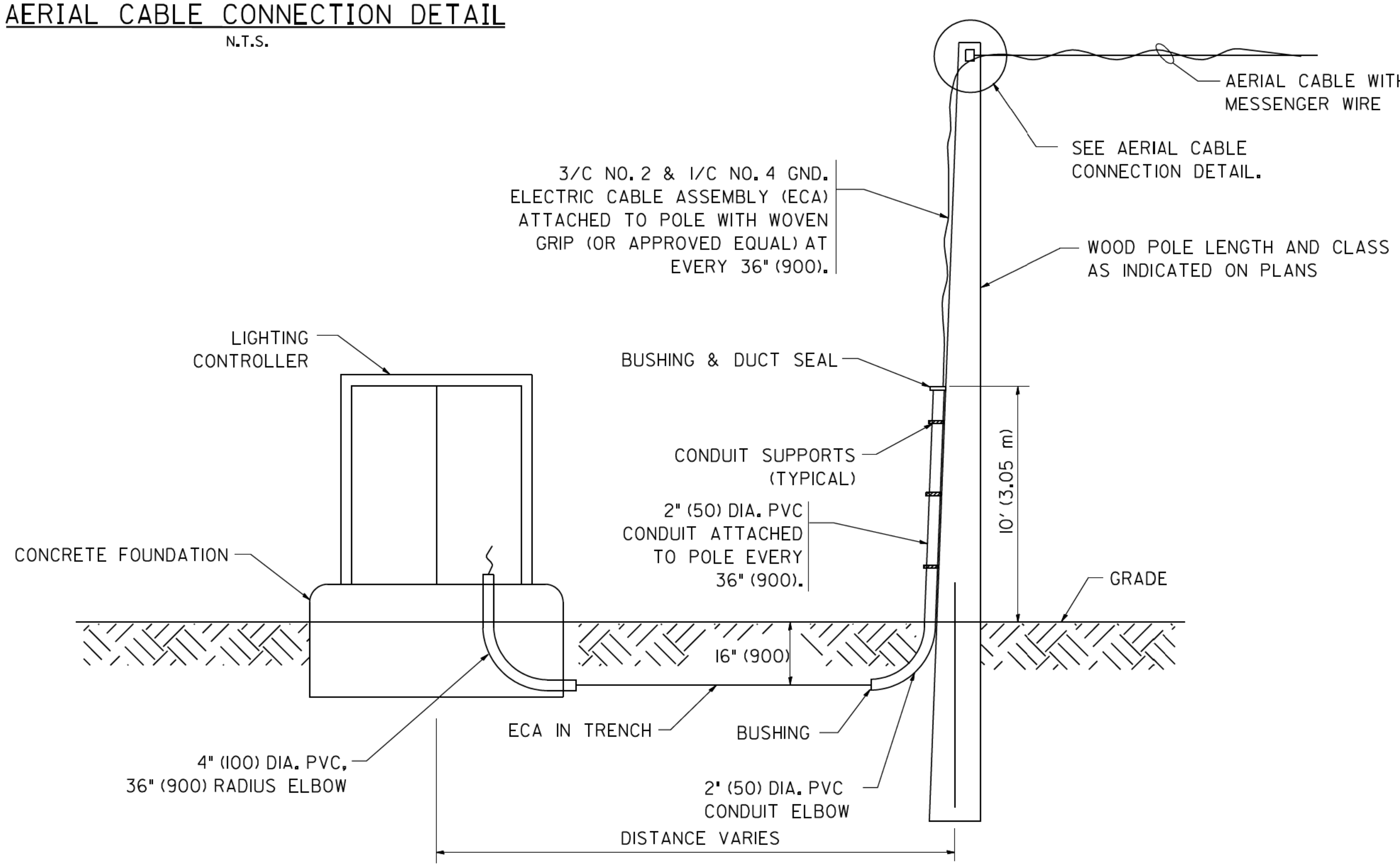
AERIAL CABLE CONNECTION DETAIL

N.T.S.



AERIAL CABLE ATTACHED TO STRUCTURE

NOT TO SCALE



WOOD POLE TO LIGHTING CONTROLLER WIRING CONNECTION DETAIL

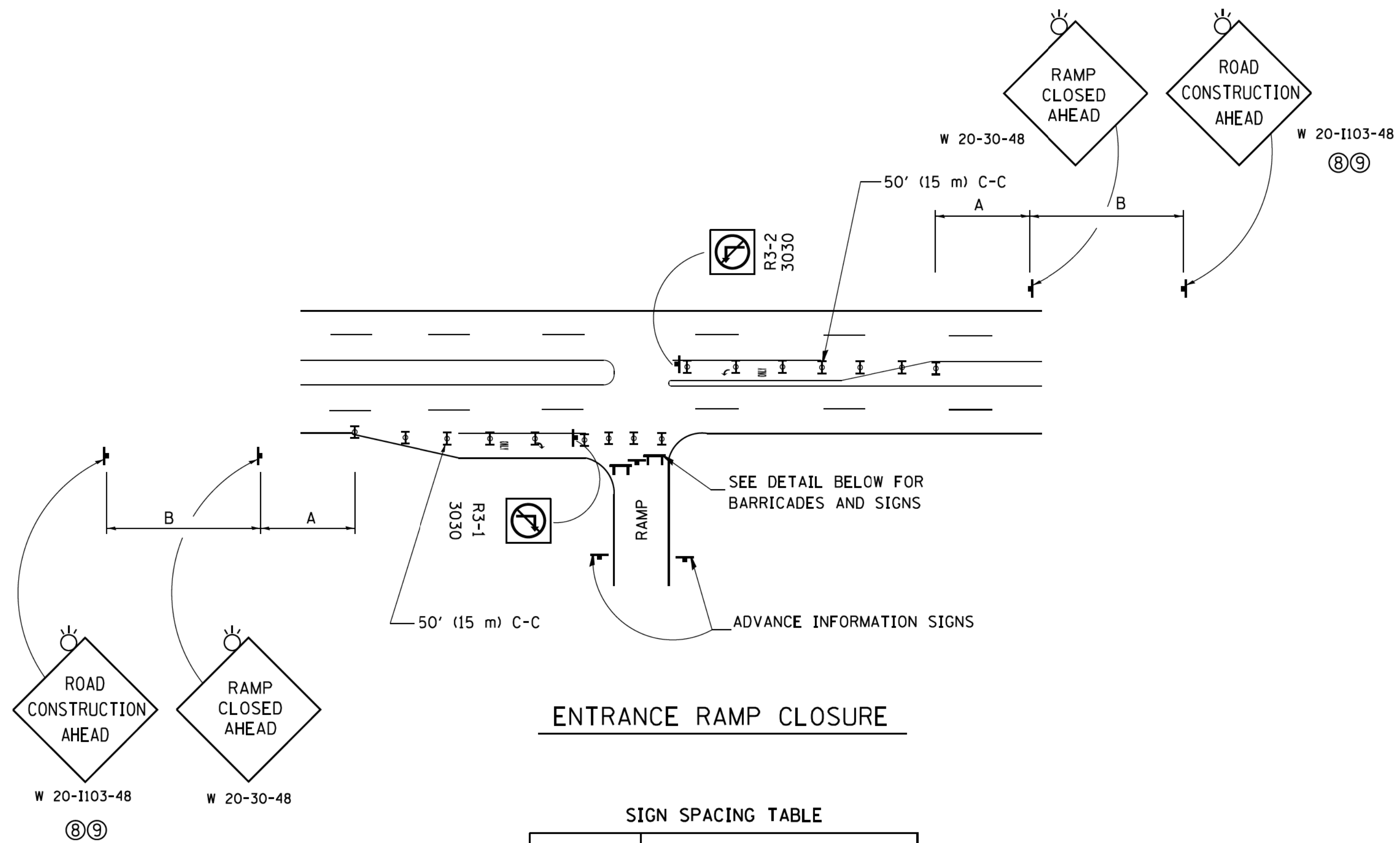
N.T.S.

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. SEE PROPOSED LIGHTING PLAN FOR CONDUIT, CABLE AND ROUTING.
3. THE CONTRACTOR SHALL PROVIDE INTERMEDIATE SUPPORTS TO MAINTAIN MINIMUM CLEARANCES. REFER TO AERIAL AERIAL CABLE ATTACHED TO STRUCTURE DETAIL.
4. COST OF SPLICES AND MOUNTING HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR AERIAL CABLE.

• 90/94/290

FILE NAME = W:\diststd\22x34\be801.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY AERIAL CABLE INSTALLATION	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			•	2015-018R	COOK	1360 / 961
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -			BE-801		CONTRACT NO.	
	PLOT DATE = 1/4/2008	DATE -	REVISED -		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	

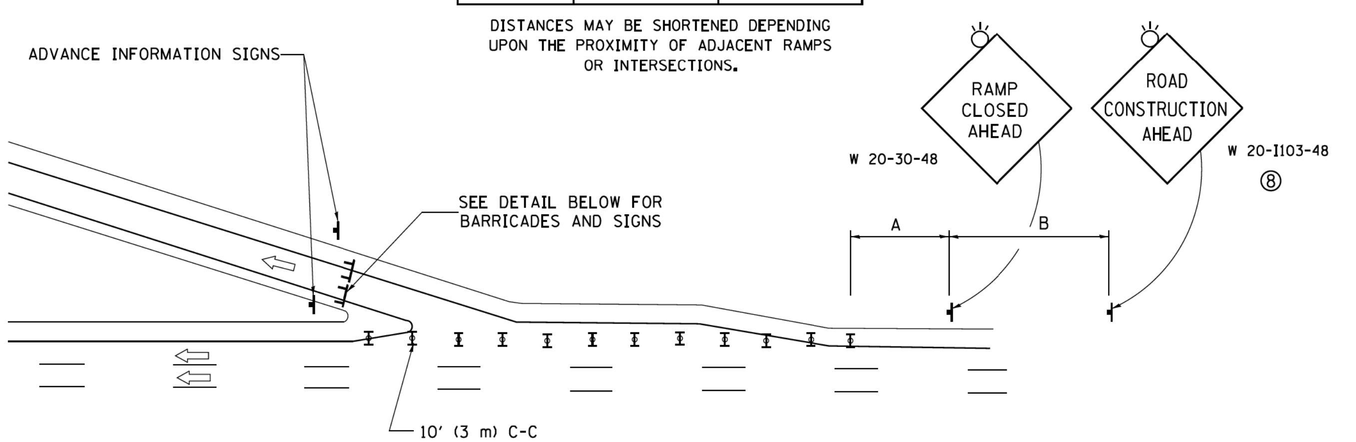


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS A	DISTANCE BETWEEN SIGNS B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

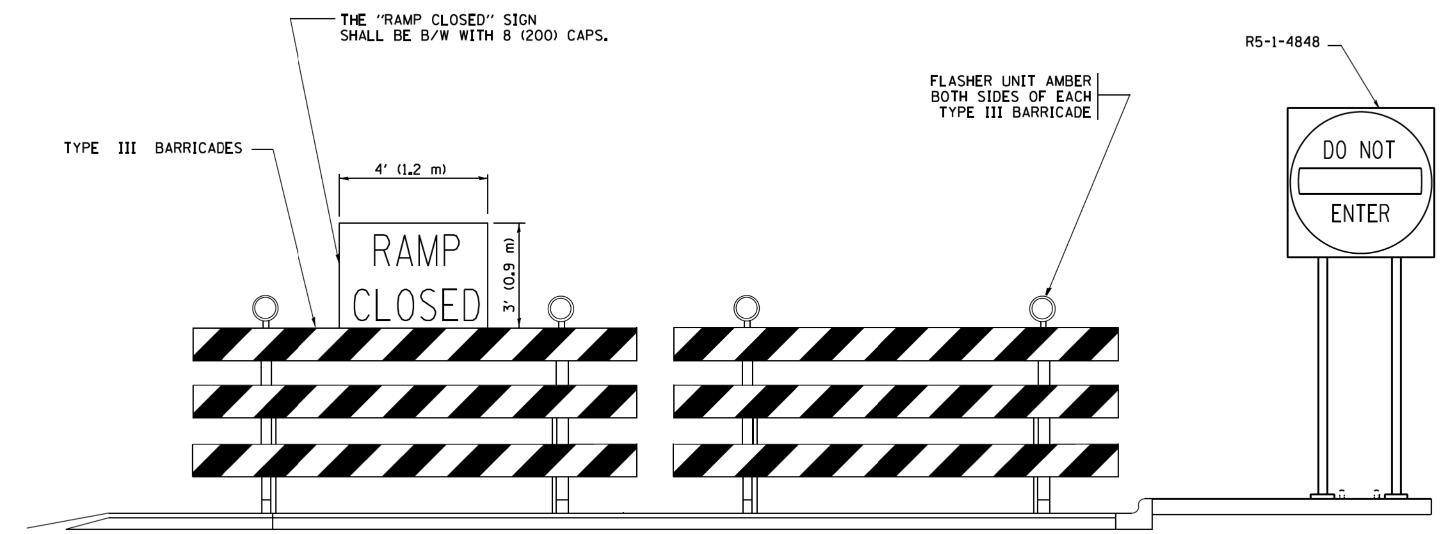
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

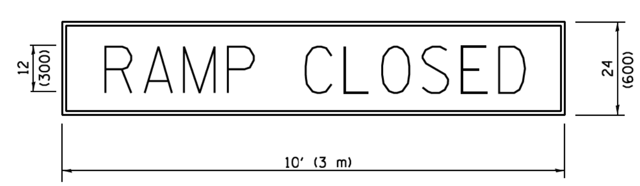
SYMBOLS

- TYPE II BARRICADE OR DRUM
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS



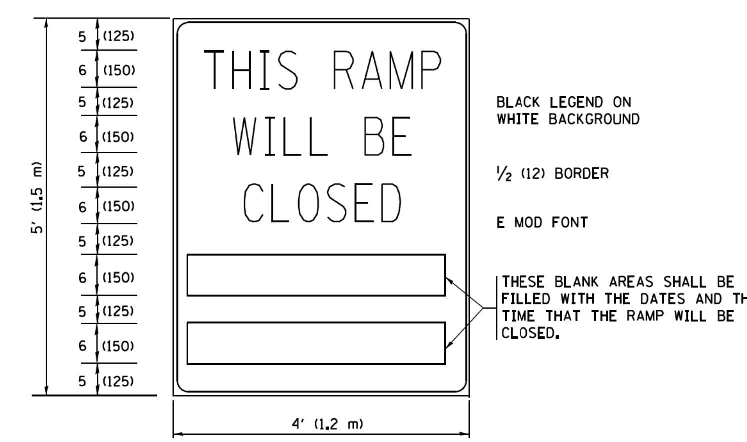
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE
BACKGROUND MOUNTED
DIAGONALLY
E MOD FONT
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND

½ (12) BORDER

E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

1. CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
2. VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
3. A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEEDED BY A W20-7 FLAGGER WARNING SIGN.
4. ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
5. THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
7. THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
8. ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
9. ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

• 90/94/290

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist...	USER NAME = footemj	DESIGNED - D.W.S.	REVISED - S.P.B. 01-07
		DRAWN ...\CADData\CADsheets\tc08.dgn	REVISED - S.P.B. 12-09
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - M.D. 06-13
Default	PLOT DATE = 11/27/2017	DATE - 02-83	REVISED - M.D. 01-18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

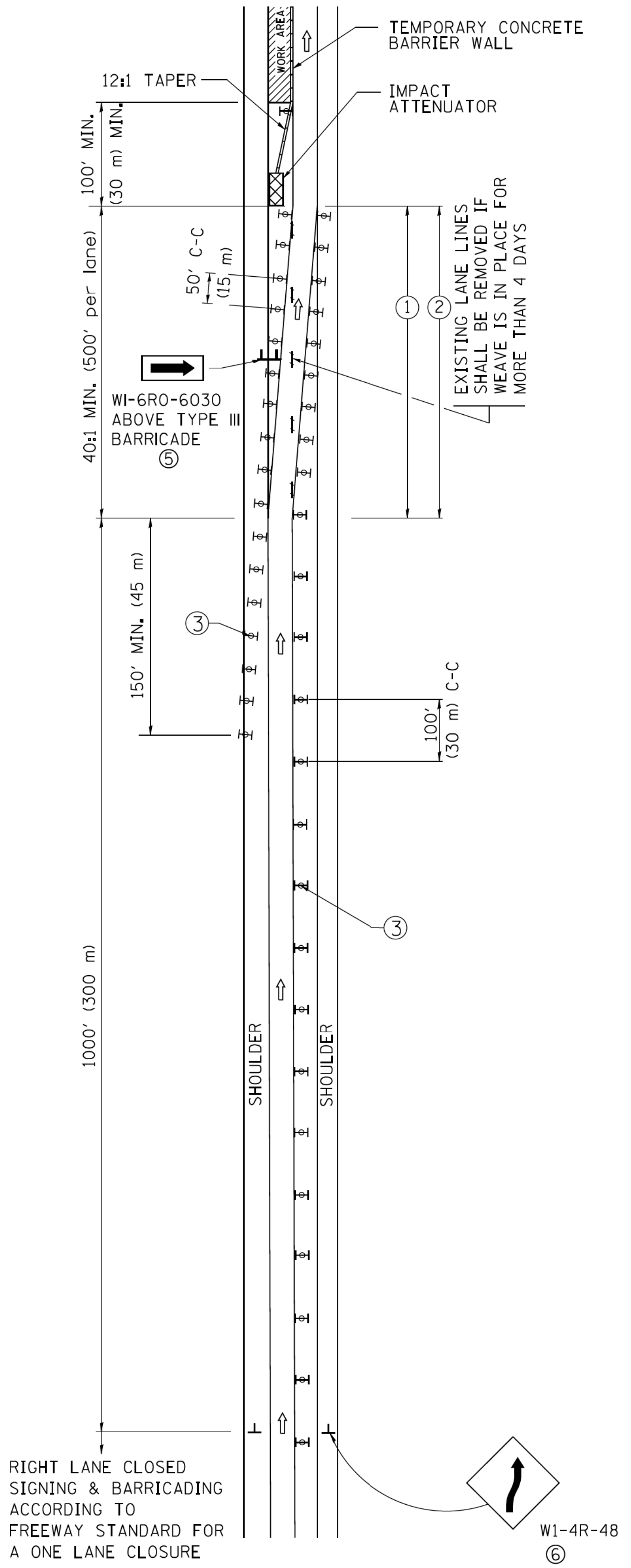
ENTRANCE AND EXIT RAMP CLOSURE DETAILS

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

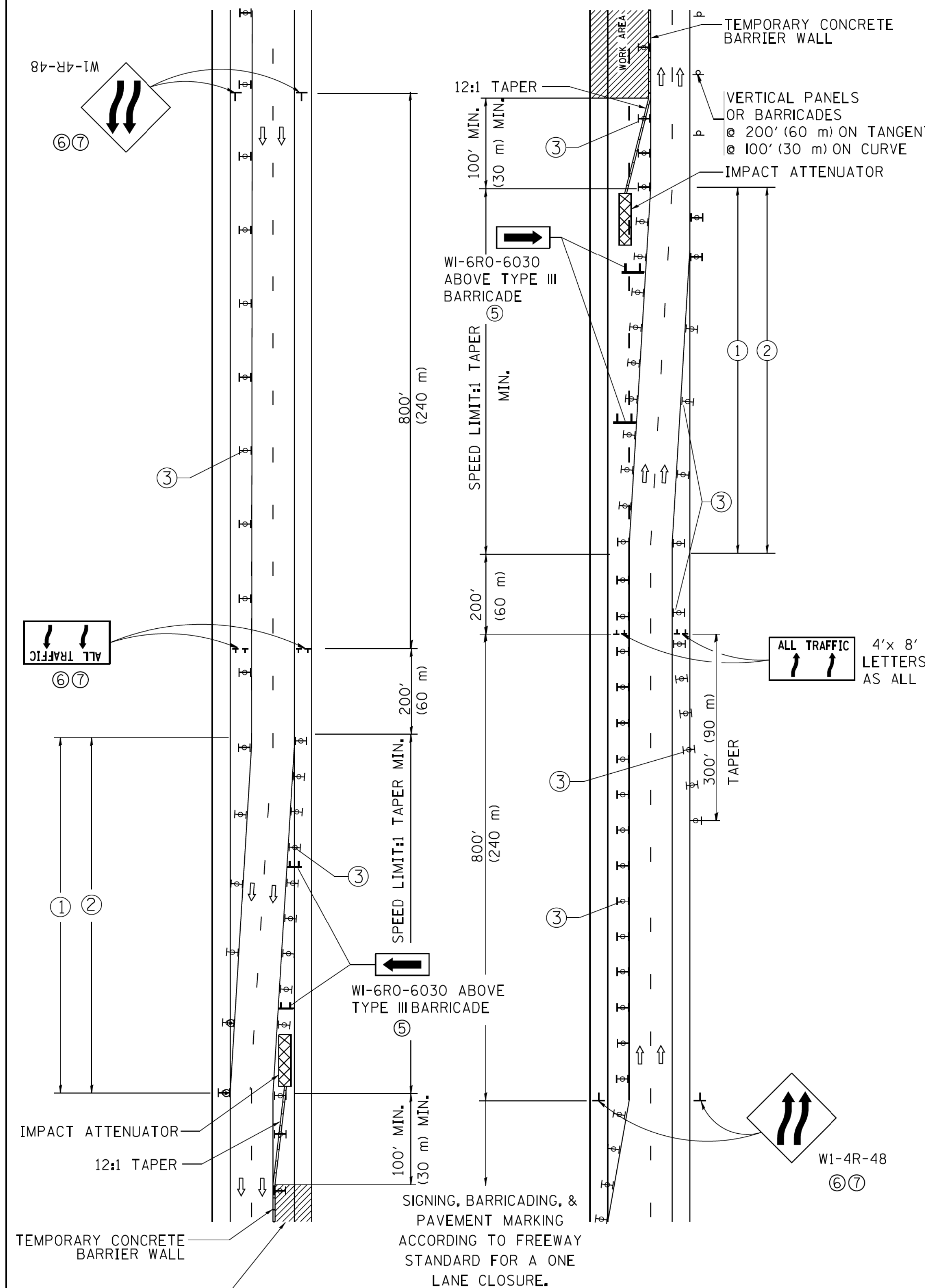
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	962
	TC-08	CONTRACT NO.		

ILLINOIS FED. AID PROJECT

SINGLE LANE WEAVE



MULTI-LANE WEAVE



ALL TRAFFIC 4'x 8' (1.2 m x 2.4 m); 1 (25) BORDER; 10 (250) CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS.

GENERAL NOTES

① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.

② CONTINOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.

③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.

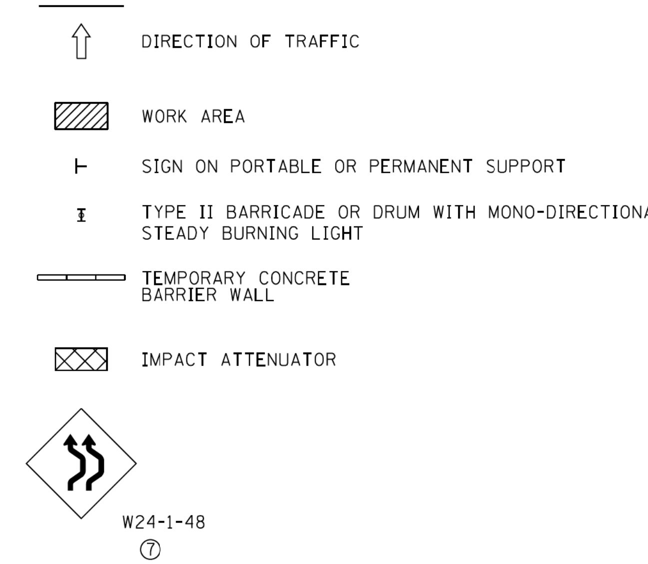
④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.

⑤ TYPE III BARRICADES MAY BE OMMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.

⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.

⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

SYMBOLS



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

• 90/94/290

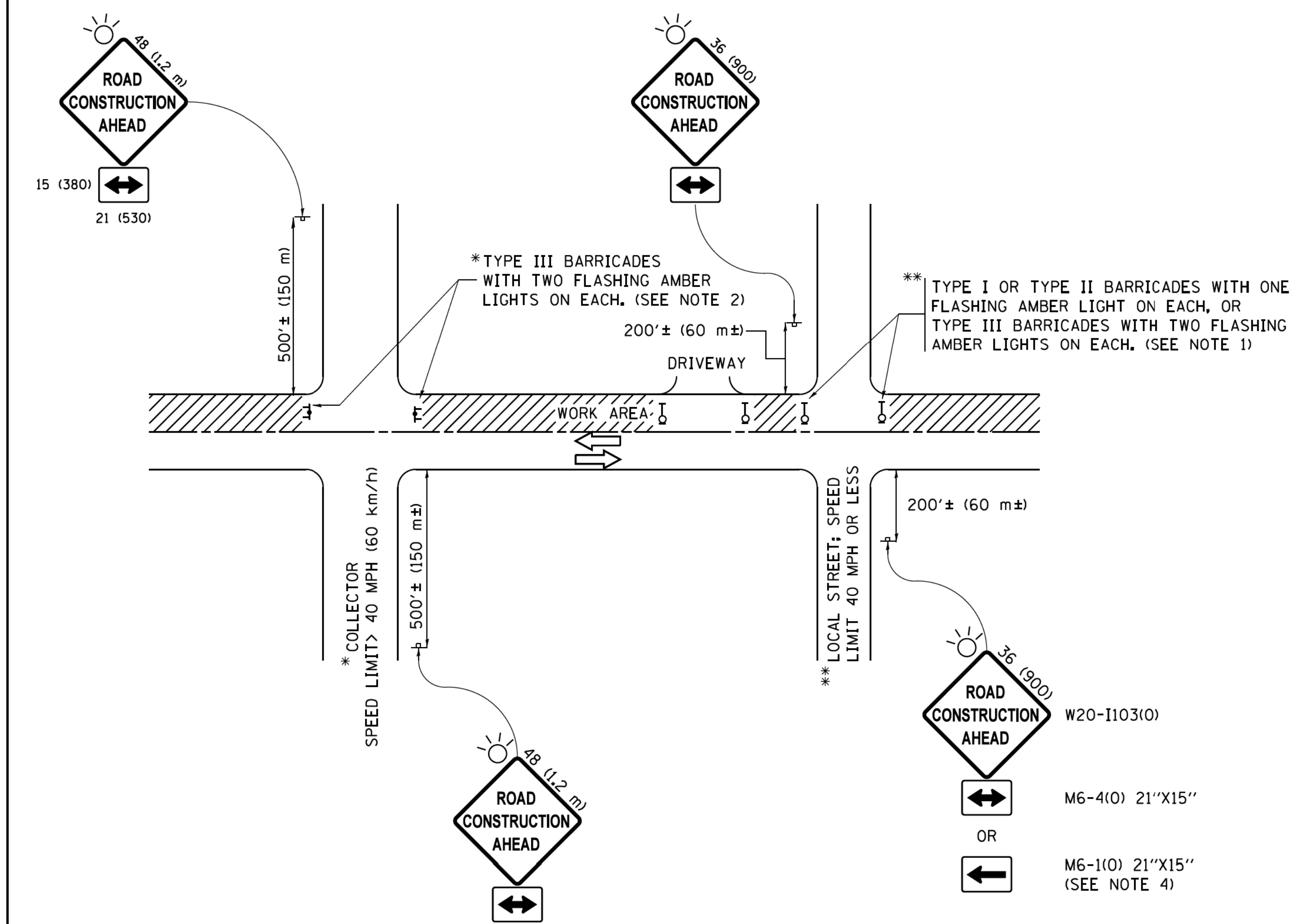
FILE NAME = c:\pw_work\pwidot\footemj\d0108315\tc09.dgn	USER NAME = footemj	DESIGNED - DWS	REVISED - JAF 02-06
	PLOT SCALE = 50.000 ' / in.	DRAWN -	REVISED - SPB 01-07
	PLOT DATE = 7/1/2013	CHECKED -	REVISED - SPB 12-09
		DATE - 02-87	REVISED - MD 06-13

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	963
TC-09		CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



NOTES:

1. 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:

   a) 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.

   b) 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.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) 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.

   b) 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.

3. 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.

4. 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).

5. 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.

6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.

7. 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.

• 90/94/290

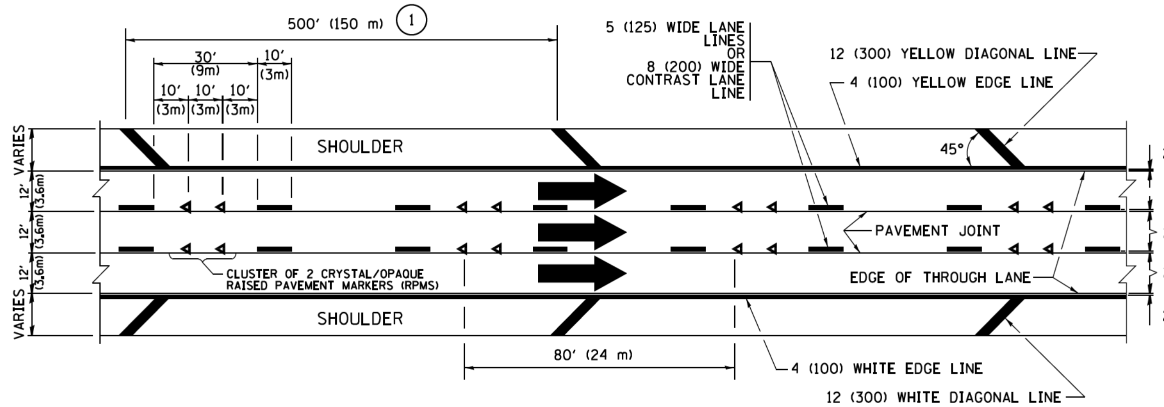
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist... \CADData\CADsheets\tc10.dgn	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
		DRAWN	REVISED - T. RAMMACHER 01-06-00
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
Default	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.

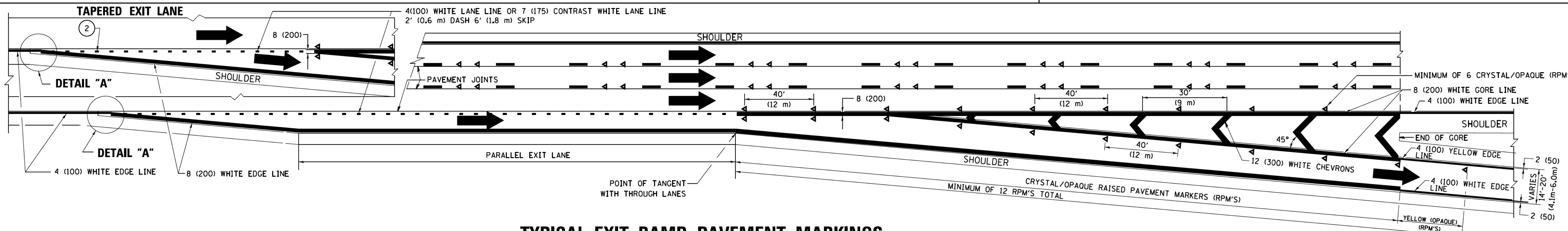
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	964
	TC-10	CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			



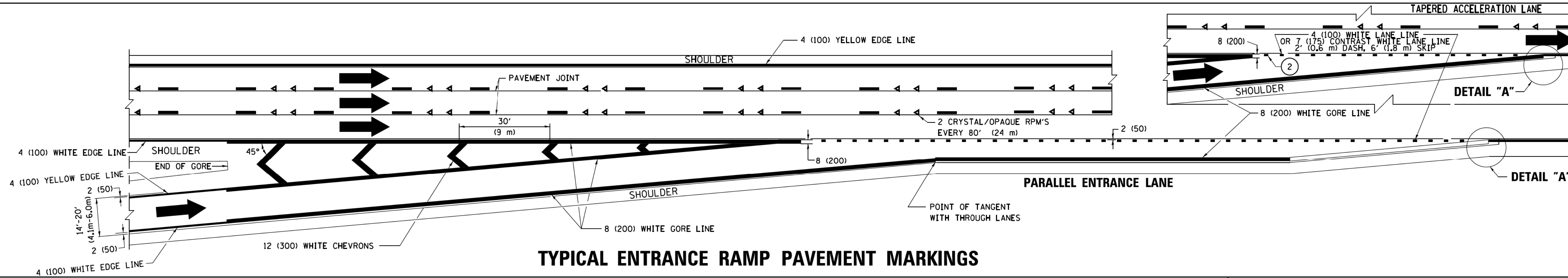
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

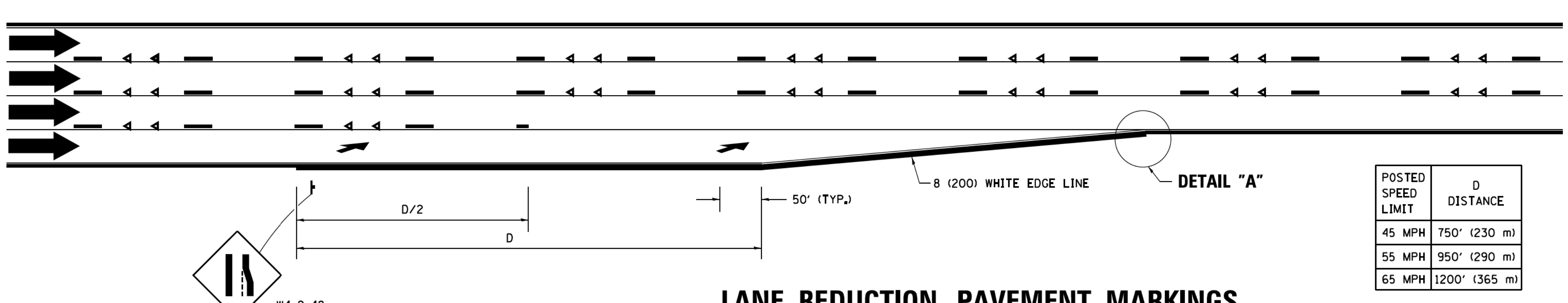
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



TYPICAL EXIT RAMP PAVEMENT MARKINGS

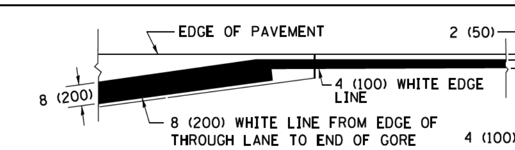


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)

LANE REDUCTION PAVEMENT MARKINGS



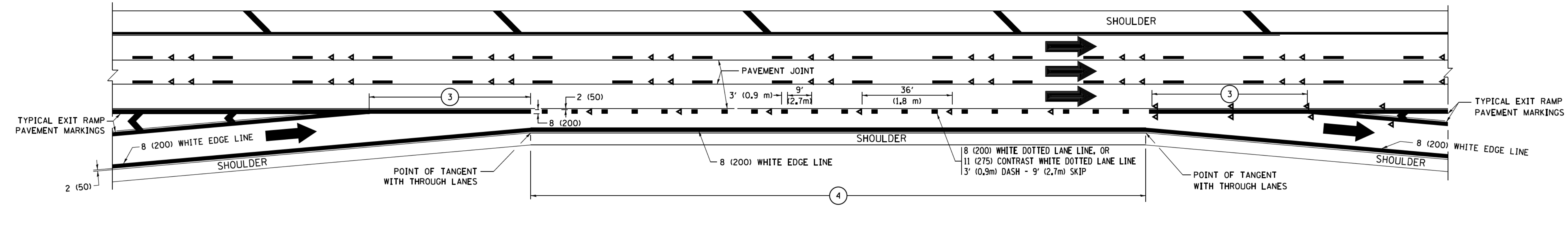
DETAIL "A"

NOTES:

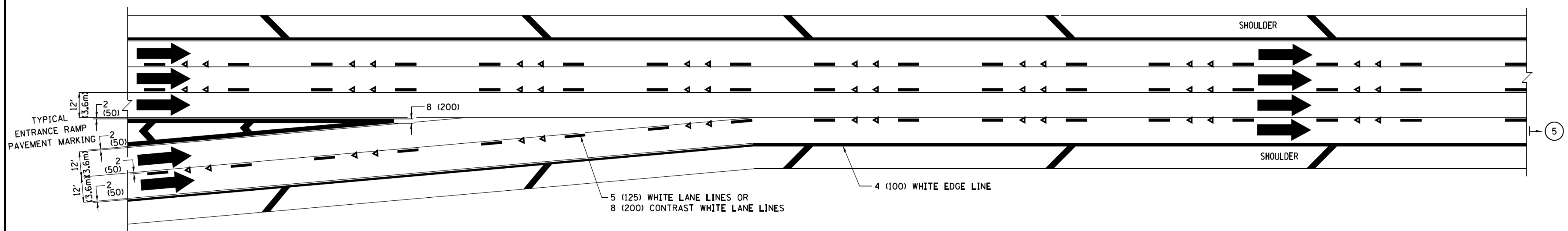
1. THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
2. 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

• 90/94/290

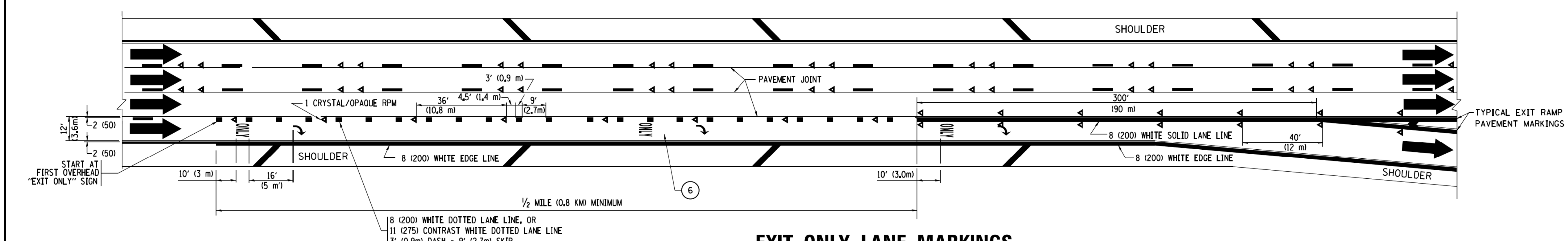
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist...\CADData\CADsheets\tc12.dgn	USER NAME = footemj	DESIGNED - D.W.S.	REVISED - S.P.B. 01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - S.P.B. 01-10			•	2015-018R	COOK	1360	965
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - M.D. 05-13			TC-12		CONTRACT NO.		
Default	PLOT DATE = 9/6/2017	DATE - 01-90	REVISED - M.D. 09-17		SCALE: NONE / SHEET 1 OF 2 SHEETS / STA. TO STA.		ILLINOIS FED. AID PROJECT			



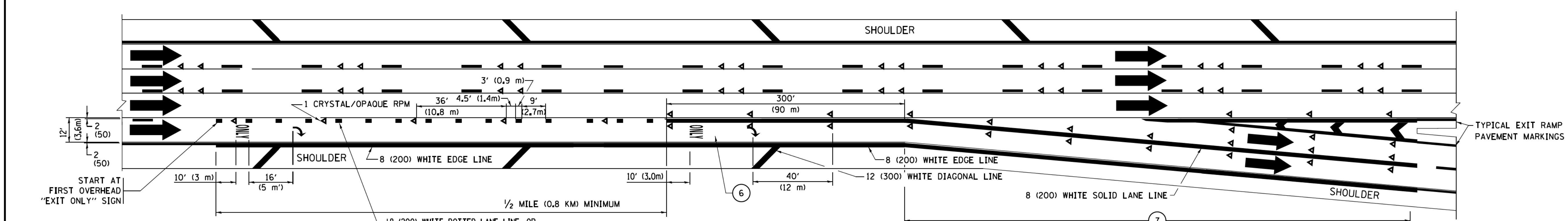
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

NOTES:

3. OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
4. 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
5. FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
6. ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING. FULL SIZE LETTERS AND ARROW SHALL BE USED.
7. CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

• 90/94/290

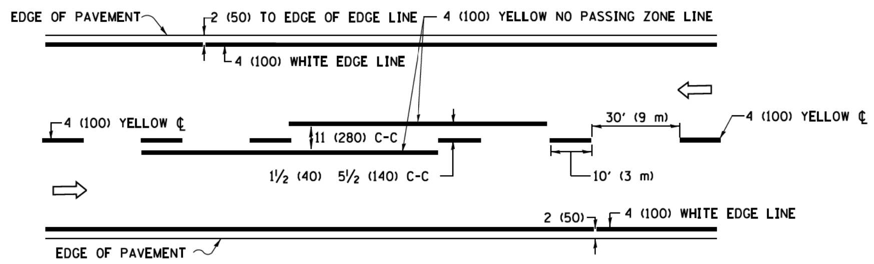
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist...\CADData\CADsheets\tc12.dgn	USER NAME = footemj	DESIGNED - D.W.S.	REVISED - J.A.F. 02-06
	PLOT SCALE = 50.000 ' / in.	DRAWN -	REVISED - S.P.B. 01-07
		CHECKED -	REVISED - S.P.B. 01-10
Default	PLOT DATE = 9/6/2017	DATE - 01-90	REVISED - M.D. 09-17

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

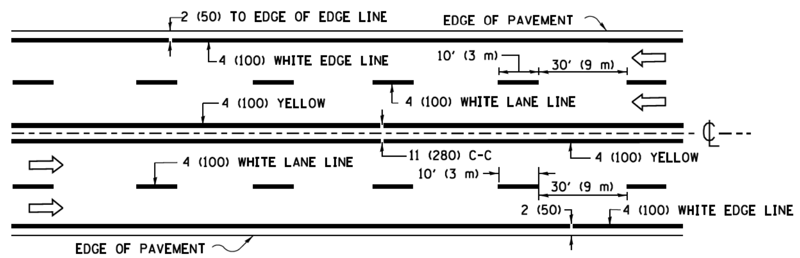
MULTI-LANE FREEWAY
PAVEMENT MARKING DETAILS

SCALE: NONE | SHEET 2 OF 2 SHEETS | STA. | TO STA.

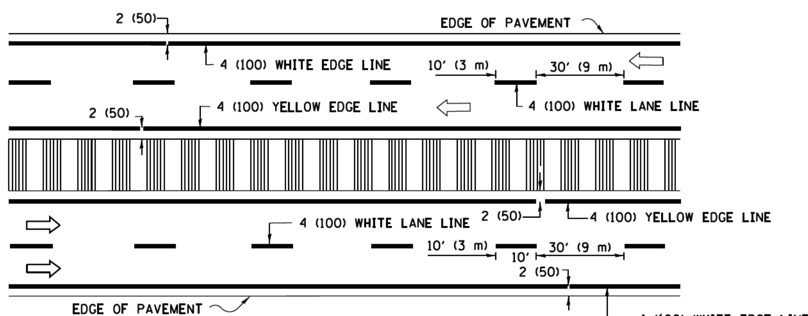
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	966
TC-12		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		



2–LANE ROADWAY

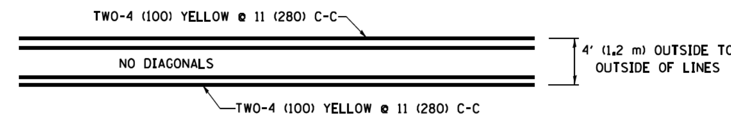


MULTI–LANE UNDIVIDED

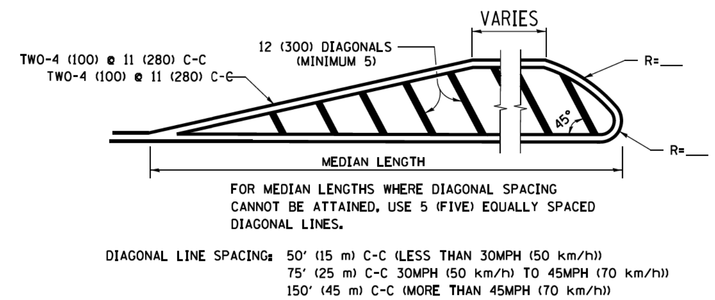


MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING



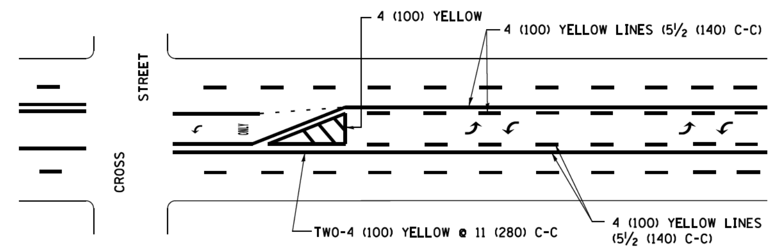
4' (1.2 m) WIDE MEDIANS ONLY



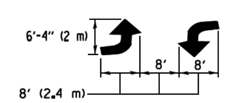
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

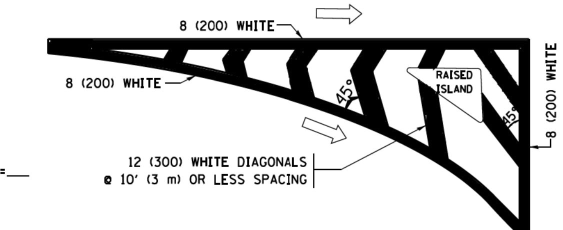


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

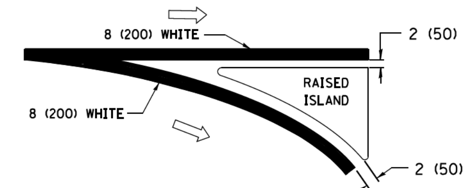


MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

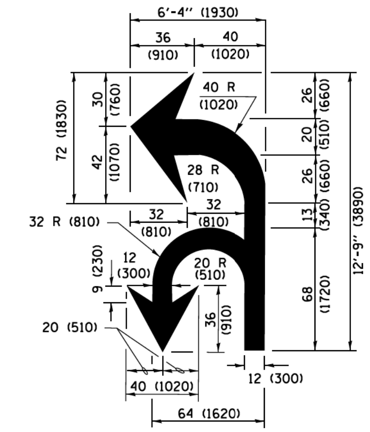


ISLAND OFFSET FROM PAVEMENT EDGE

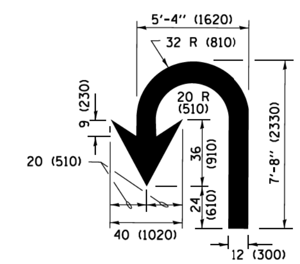


ISLAND AT PAVEMENT EDGE

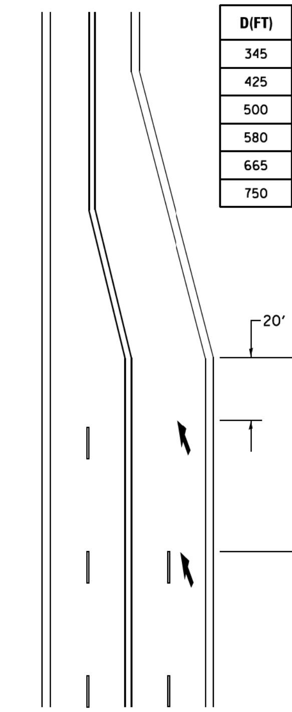
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

LANE REDUCTION TRANSITION

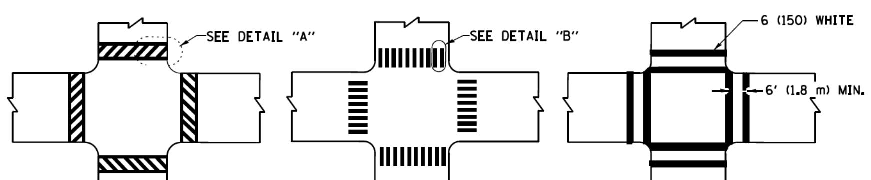
✳ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS $\geq$ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

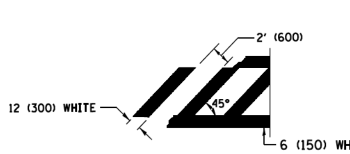
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

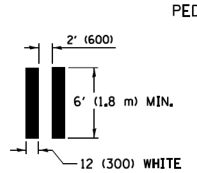
• 90/94/290



BICYCLE & EQUESTRIAN SCHOOL PEDESTRIAN



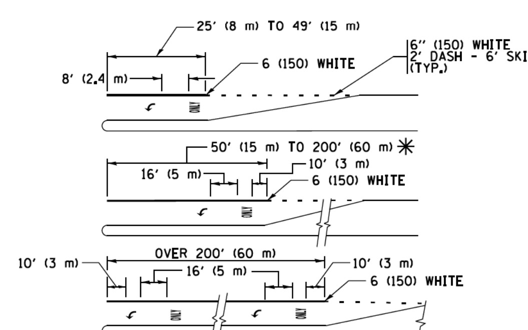
DETAIL "A"



DETAIL "B"

TYPICAL CROSSWALK MARKING

✳ MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) ONLY AREA = 20.8 SQ. FT. (1.9 m^2)

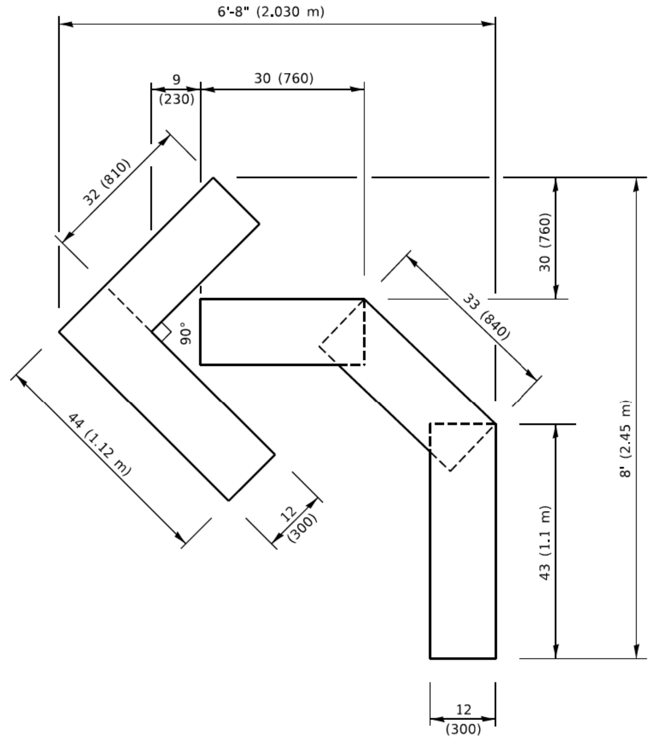
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

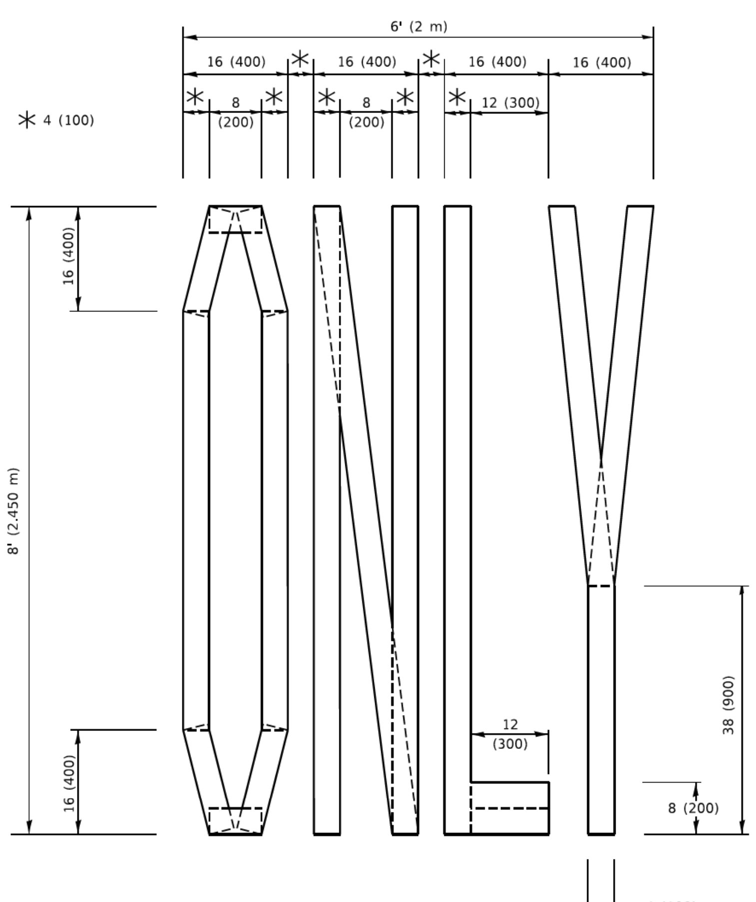
FILE NAME = W:\diststd\22x34\tc13.dgn Default	USER NAME = leyso PLOT SCALE = 50.000 ' / in. PLOT DATE = 6/23/2017	DESIGNED - EVERS DRAWN - CHECKED - DATE - 03-19-90	REVISED - C. JUCIUS 09-09-09 REVISED - C. JUCIUS 07-01-13 REVISED - C. JUCIUS 12-21-15 REVISED - C. JUCIUS 04-12-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE TYPICAL PAVEMENT MARKINGS SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	967
	TC-13	CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		



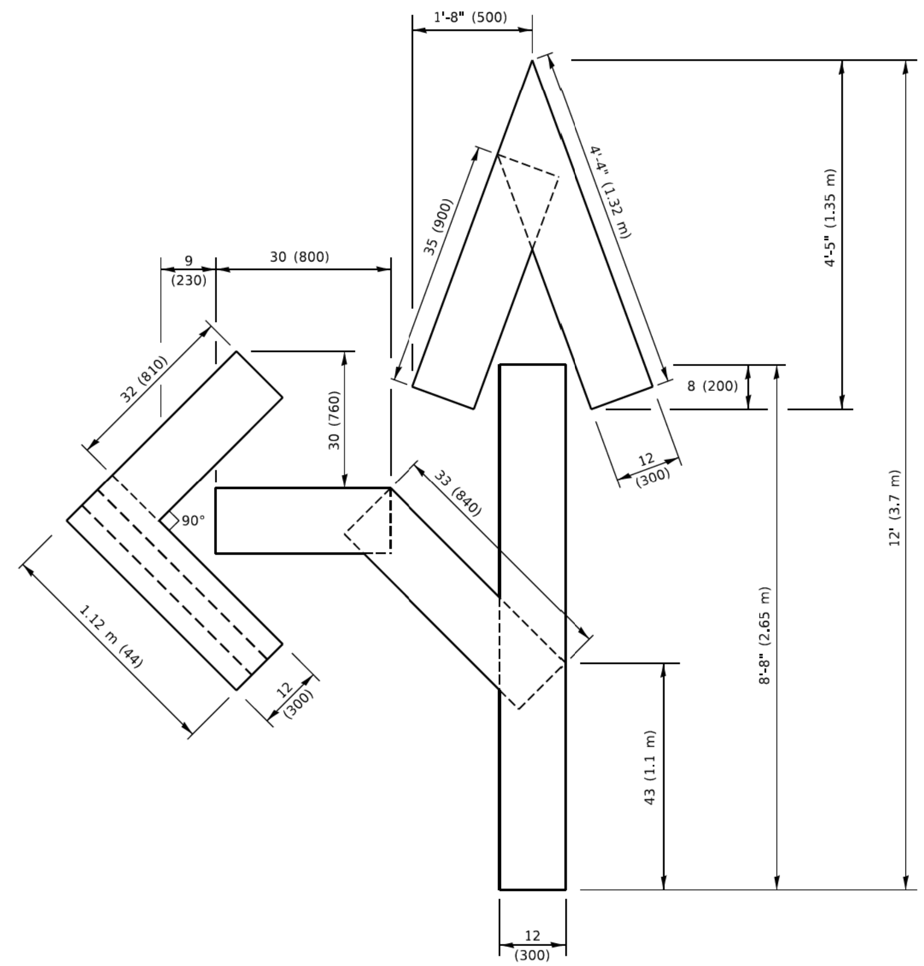
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

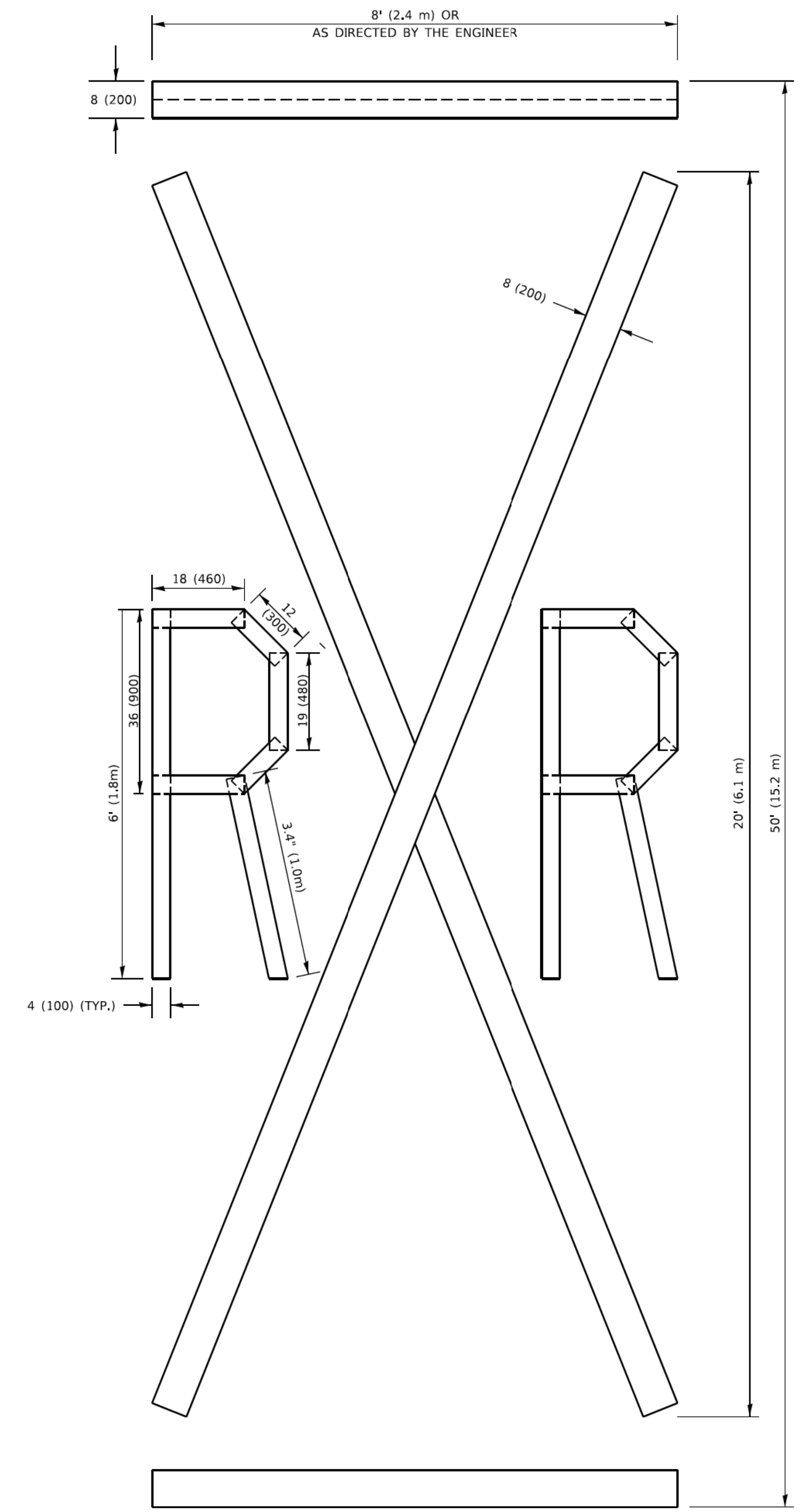


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

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

• 90/94/290

USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98	
	DRAWN -	REVISED - E. GOMEZ 08-28-00	
PLOT SCALE = 50.0068 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00	
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16	

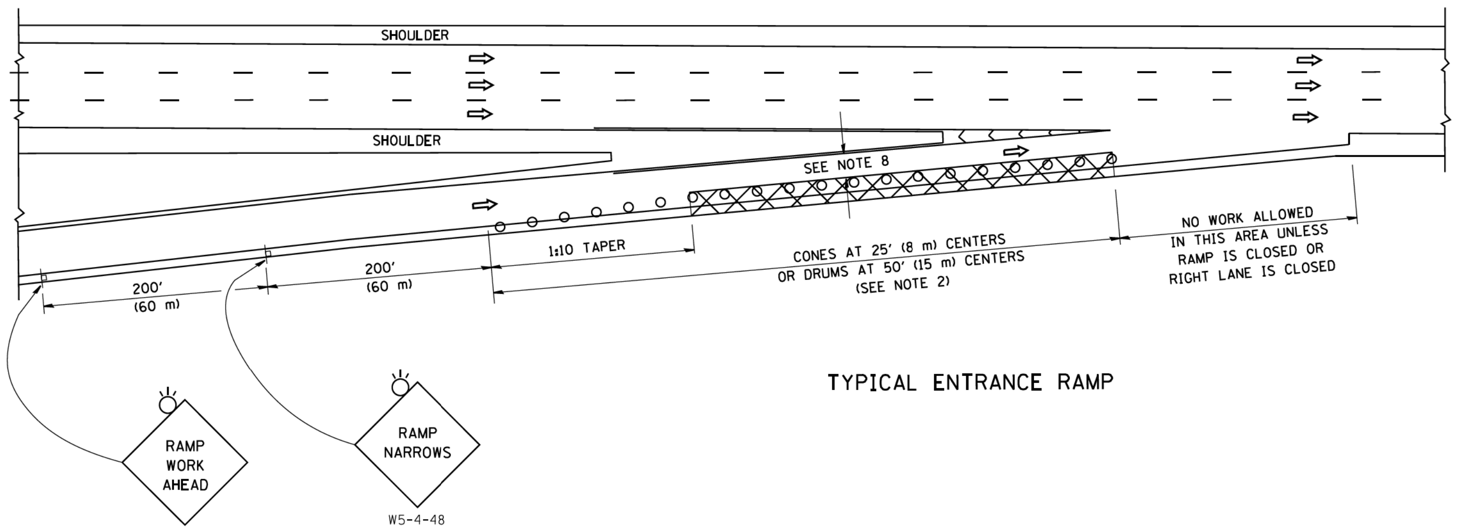
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

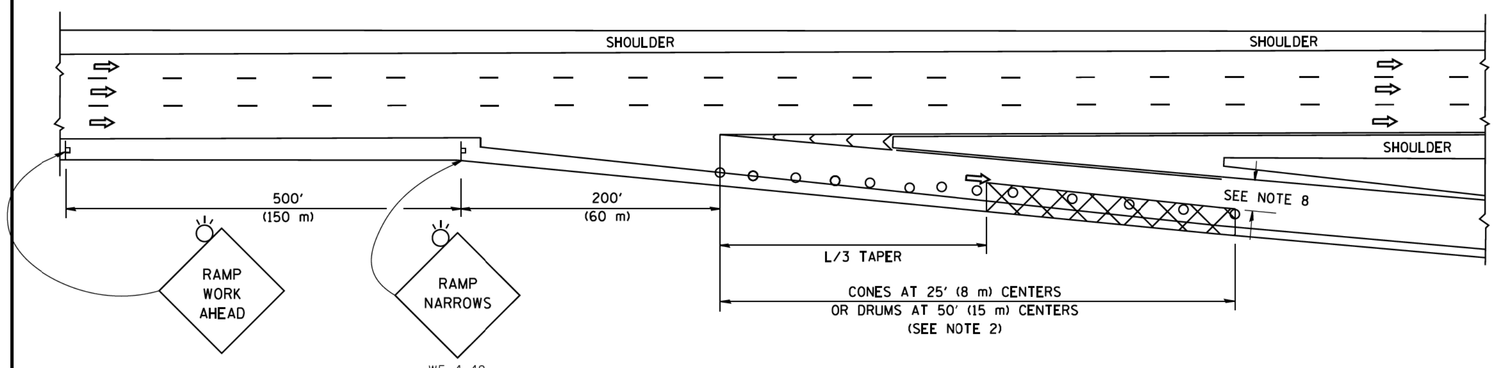
SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	967A
	TC-16	CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

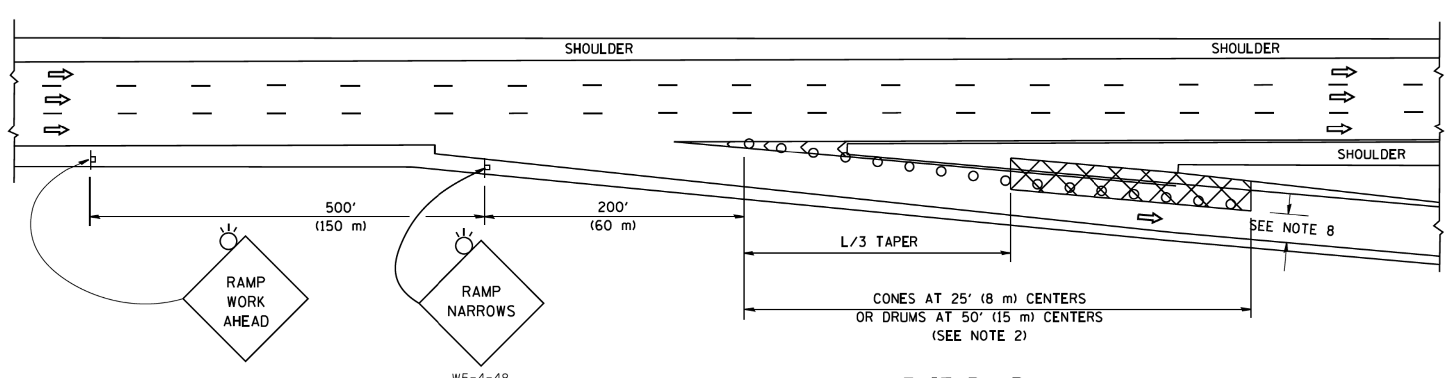
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP

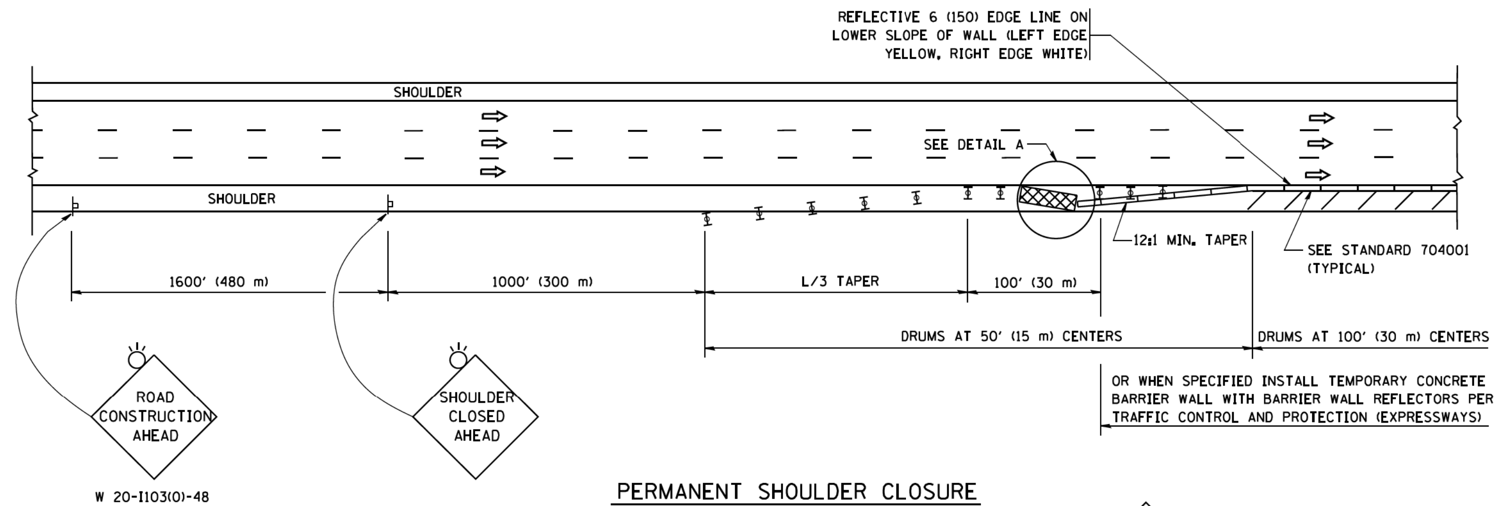


TYPICAL EXIT RAMP

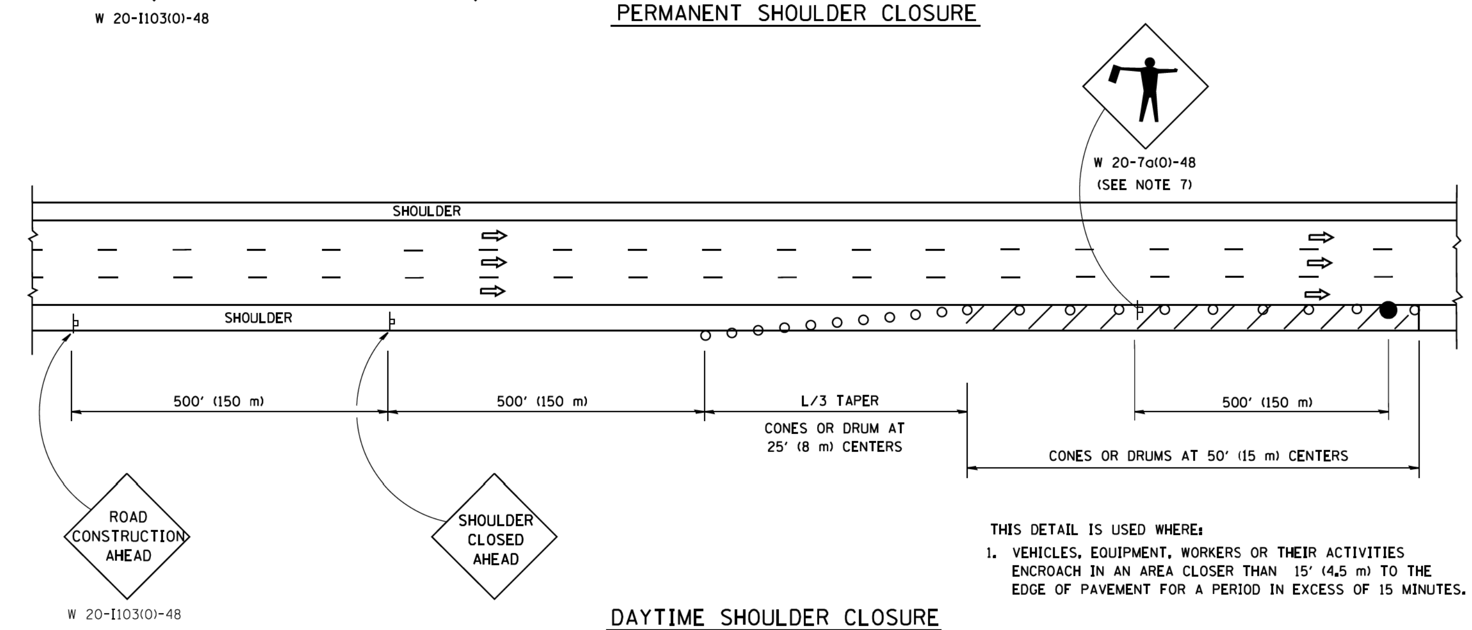


TYPICAL EXIT RAMP

SHOULDER CLOSURE DETAILS



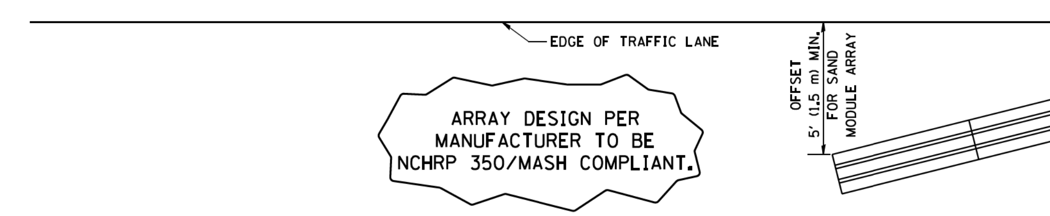
PERMANENT SHOULDER CLOSURE



THIS DETAIL IS USED WHERE:

1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

DAYTIME SHOULDER CLOSURE



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS METRIC	FORMULAS ENGLISH
45 mph (80 km/h) OR GREATER:	L=0.65(W)(S)	L=(W)(S)

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)

2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTICLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
   a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
   b. THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
   THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
   16' MIN. WIDTH CURVE SECTION.

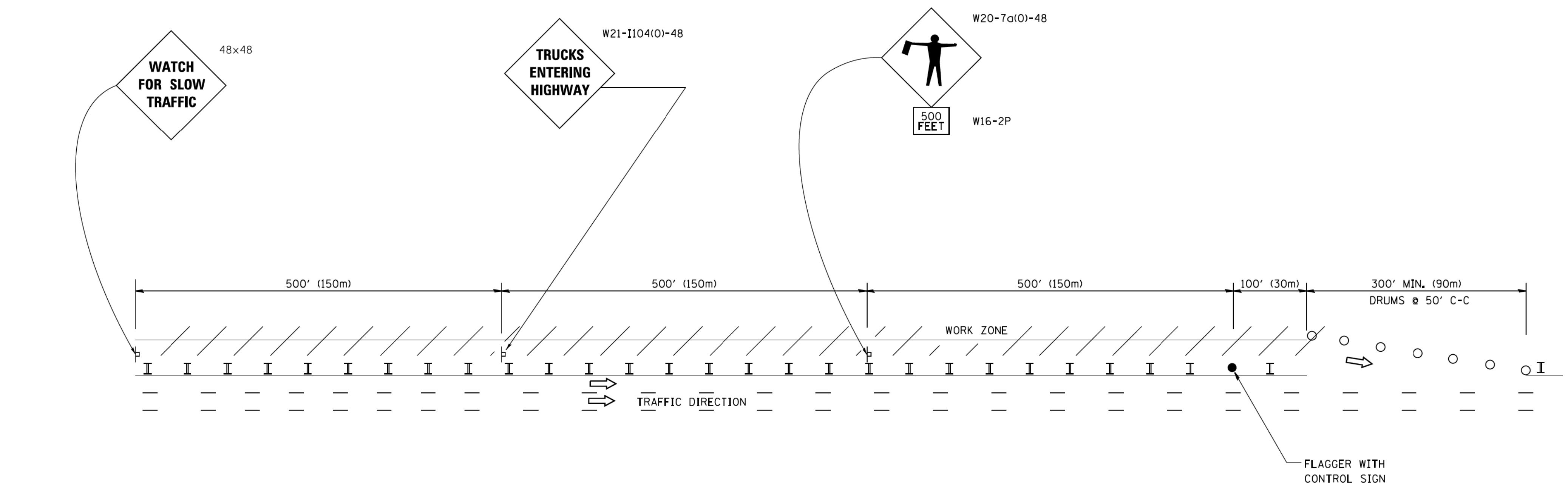
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

• 90/94/290

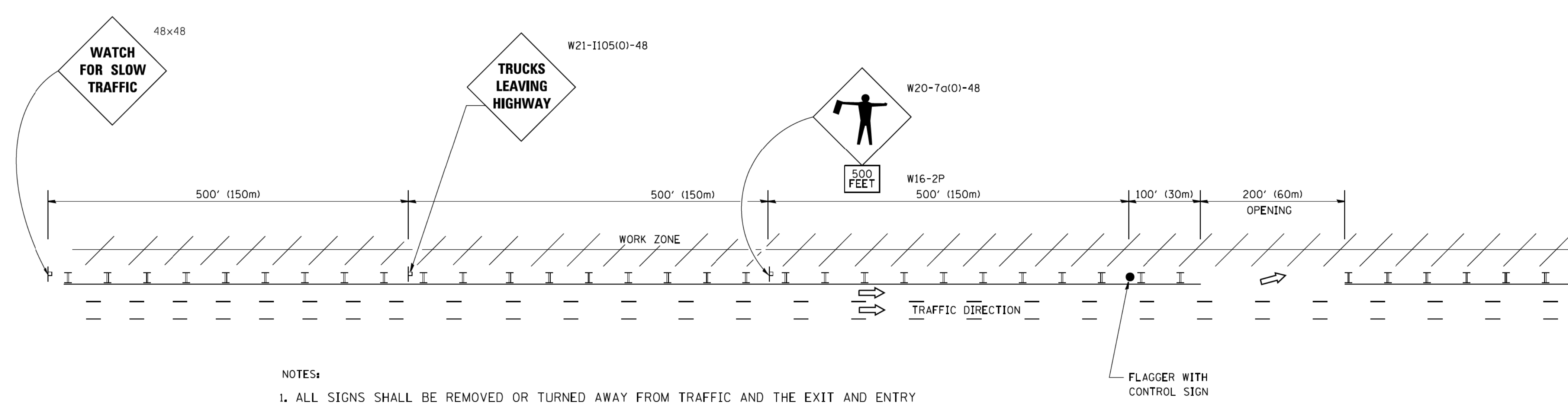
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist...\CADData\...\tc17.dgn	USER NAME = footemj	DESIGNED -	REVISED - S.P.B. 01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A.I. RTE. •	SECTION 2015-018R	COUNTY COOK	TOTAL SHEETS 1360	SHEET NO. 968
		DRAWN - D.W.S.	REVISED - S.P.B. 12-09			TC-17		CONTRACT NO.		
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - M.D. 06-13		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		
Default	PLOT DATE = 11/27/2017	DATE - 11-96	REVISED - M.D. 01-18							

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

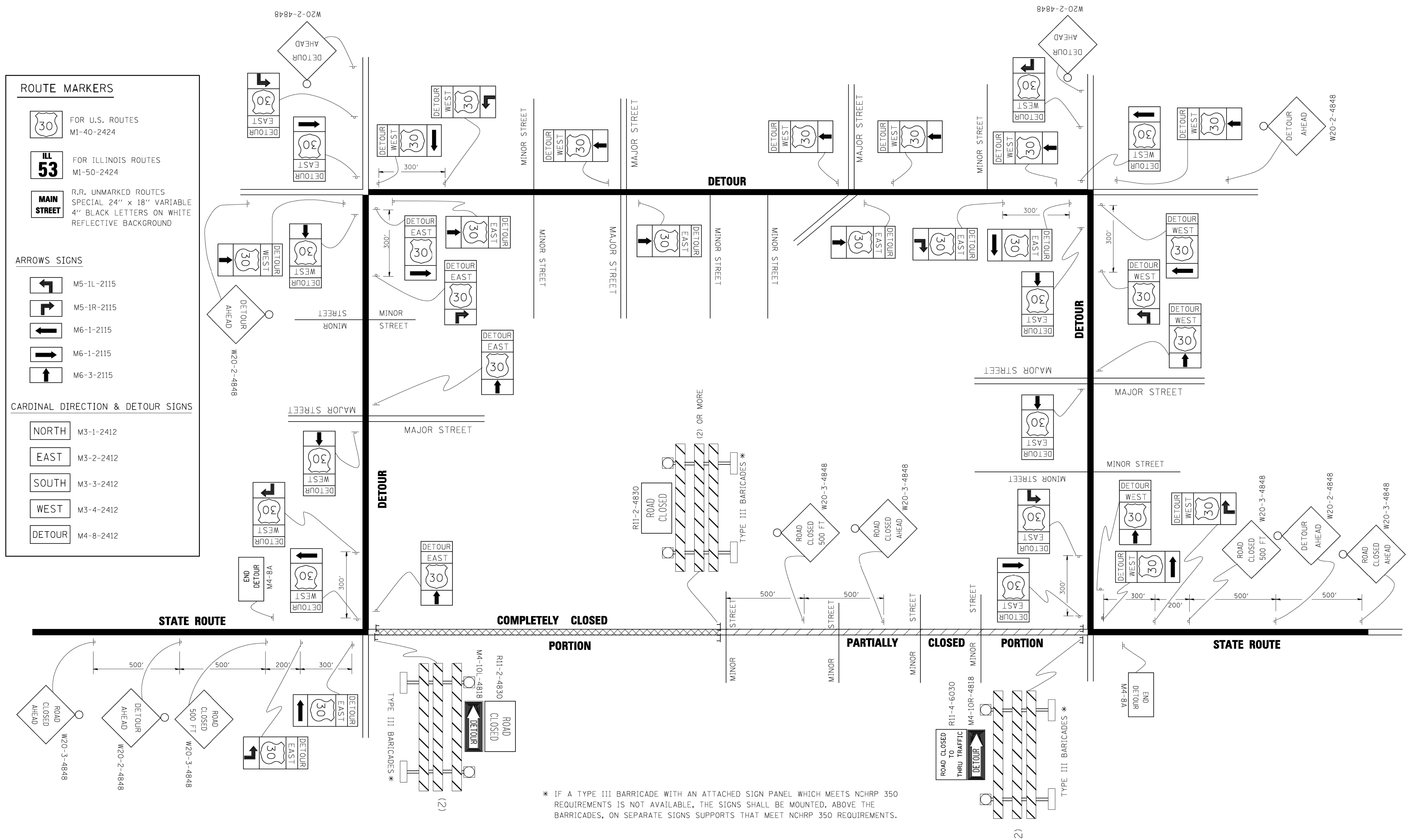
1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMPS.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN

• 90/94/290

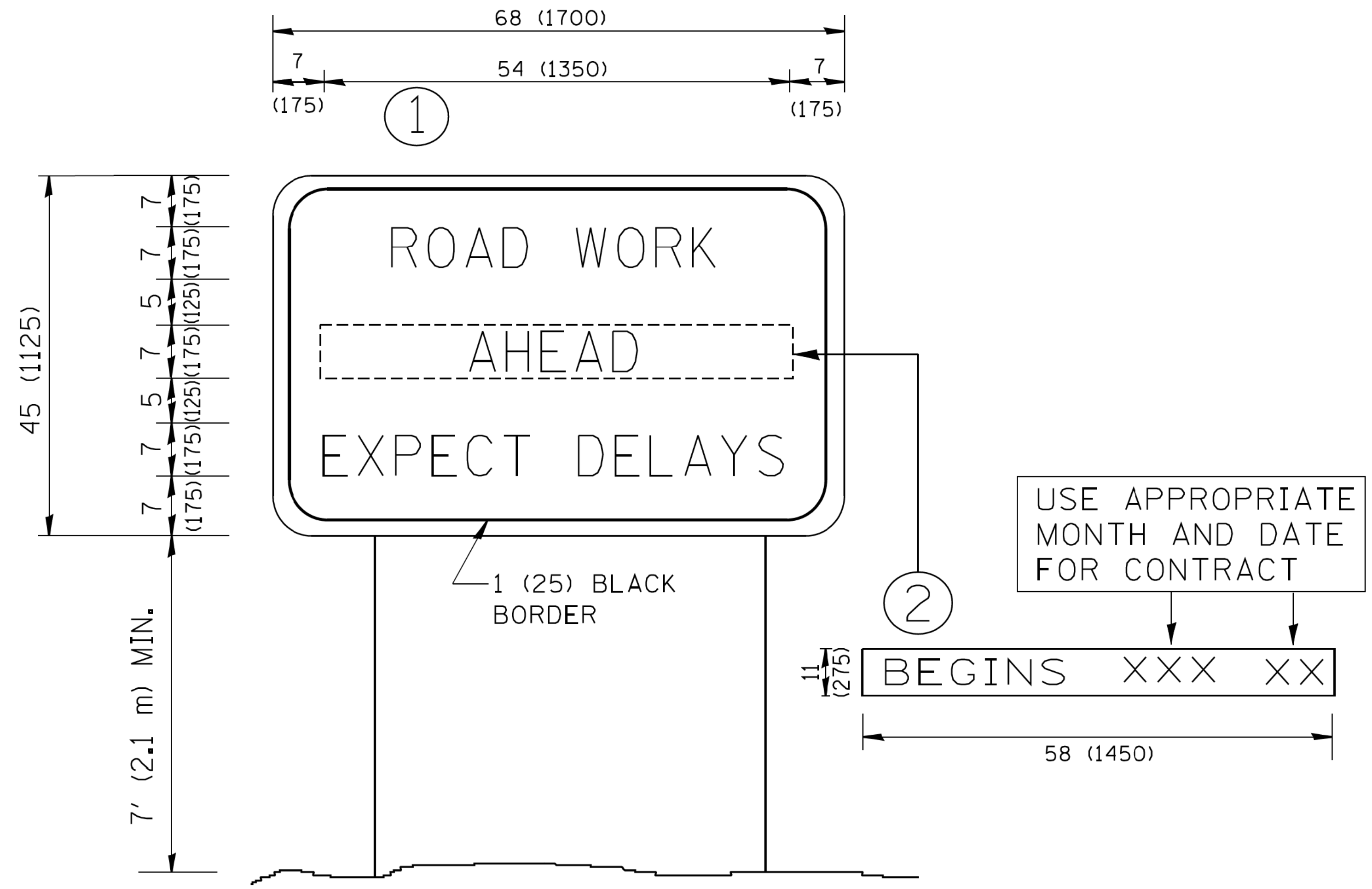
FILE NAME = c:\pw_work\pwidot\footemj\d0108315\tc18.dgn	USER NAME = footemj	DESIGNED -	REVISED - J.A.F. 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS
		DRAWN -	REVISED - S.P.B. 01-07		
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - S.P.B. 12-09		
	PLOT DATE = 7/8/2013	DATE -	REVISED - M.D. 06-13		SCALE: NONE · SHEET NO. 1 OF 1 SHEETS · STA. · TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	969
	TC-18	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



• 90/94/290

FILE NAME = c:\pw_work\PWIDOT\DRIVAKOSGN\d0108315\tc21.dgn	USER NAME = drivakosgn	DESIGNED -	REVISED - 10-18-02	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS	F.A.I. RTE. •	SECTION 2015-018R	COUNTY COOK	TOTAL SHEETS 1360 / SHEET NO. 970
	PLOT SCALE = 49.9999 ' / IN.	DRAWN -	REVISED - R. BORO 09-14-09				TC-21	CONTRACT NO.	
	PLOT DATE = 9/14/2009	CHECKED -	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	
		DATE -	REVISED -						



NOTES:

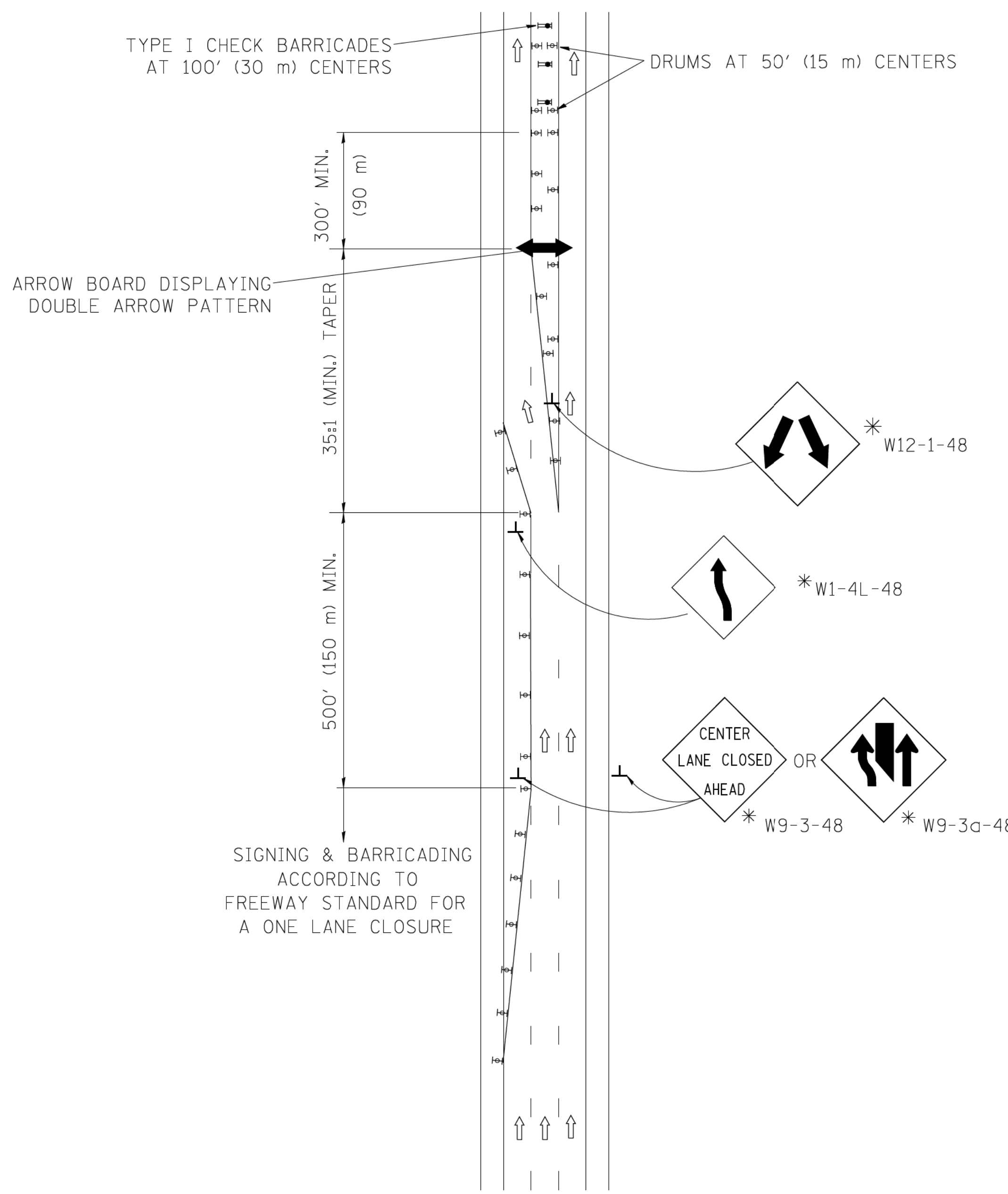
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN 1 WITH INSTALLED PANEL 2 ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL 2 SOON AFTER THE START OF CONSTRUCTION.
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.

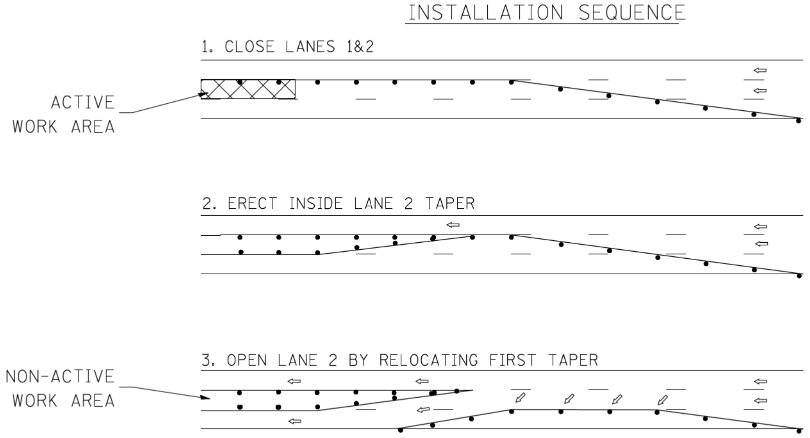
• 90/94/290

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED - R. MIRS 12-11-97			•	2015-018R	COOK	1360 / 971
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99				TC-22	CONTRACT NO.	
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. / TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	

CENTER LANE CLOSURE



INSTALLATION SEQUENCE



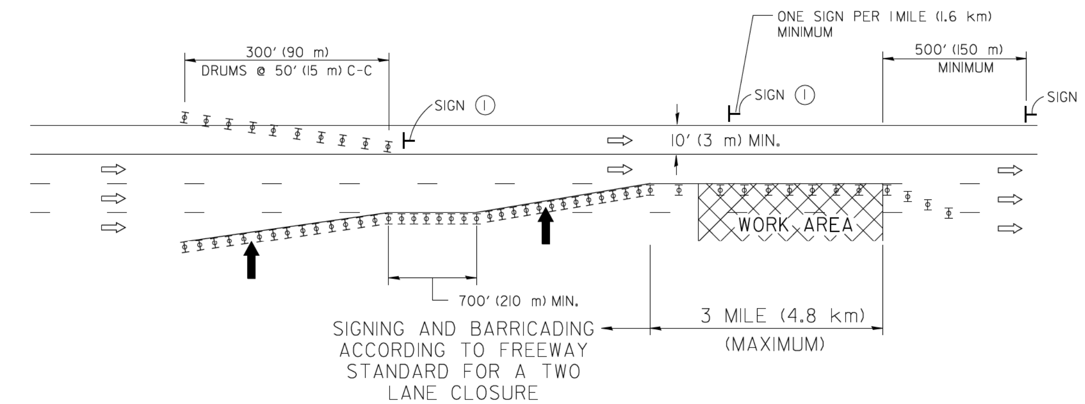
4. REMOVE CLOSURE IN REVERSE ORDER

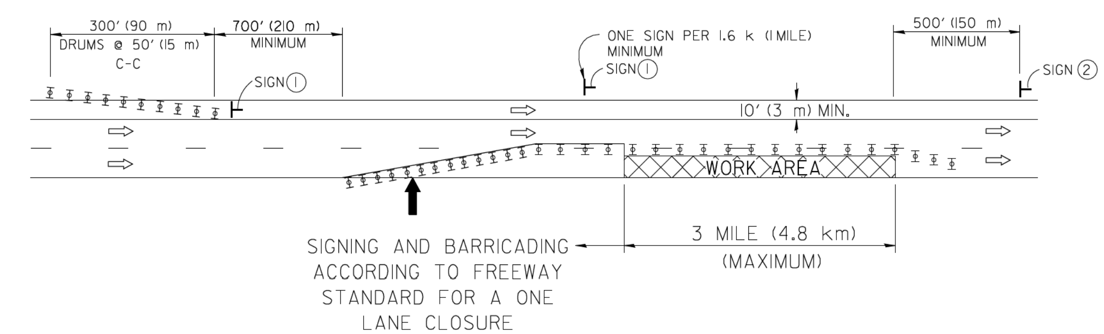
NOTES

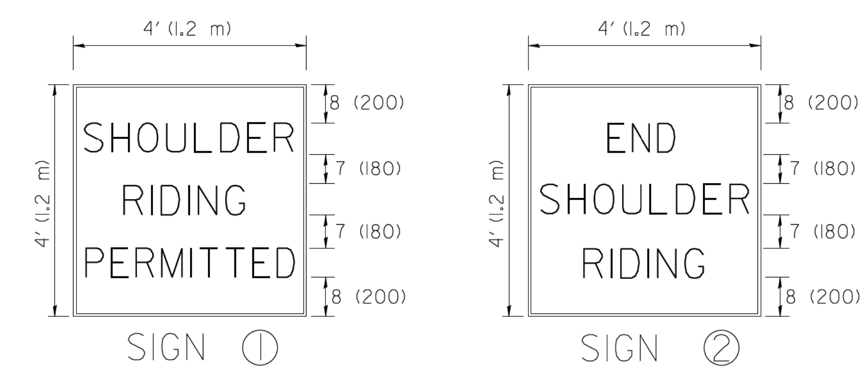
1. DRUMS WITH STEADY BURN LIGHTS SHALL BE USED AT 50' (15 m) CENTERS ON ALL TAPERS AND TANGENTS IN ADVANCE OF WORK AREA.
2. CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.
3. CENTER LANE CLOSURE CONFIGURATION IS NOT TO BE USED WITH WORKERS PRESENT.

SHOULDER LANE

NOTE: CLOSURE SHALL BE USED ONLY FOR OPERATIONS LASTING 72 HOURS OR LESS.







6 (150) SERIES "C" LEGEND
BLACK LEGEND
WHITE REFLECT. BACKGROUND
1 (25) BORDER

SYMBOLS

- DIRECTION OF TRAFFIC
- ARROWBOARD
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT ✳
- TYPE II BARRICADE, OR DRUM WITH MONO-DIRECTIONAL STEADY BURN LIGHT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

✳ ALL SIGNS SHALL BE MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).

• 90/94/290

FILE NAME = W:\diststd\22x34\tc25.dgn	USER NAME = leysa	DESIGNED -	REVISED - J.A.F. 04-03
		DRAWN -	REVISED - S.P.B. 01-07
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - S.P.B. 12-09
	PLOT DATE = 1/26/2010	DATE -	REVISED -

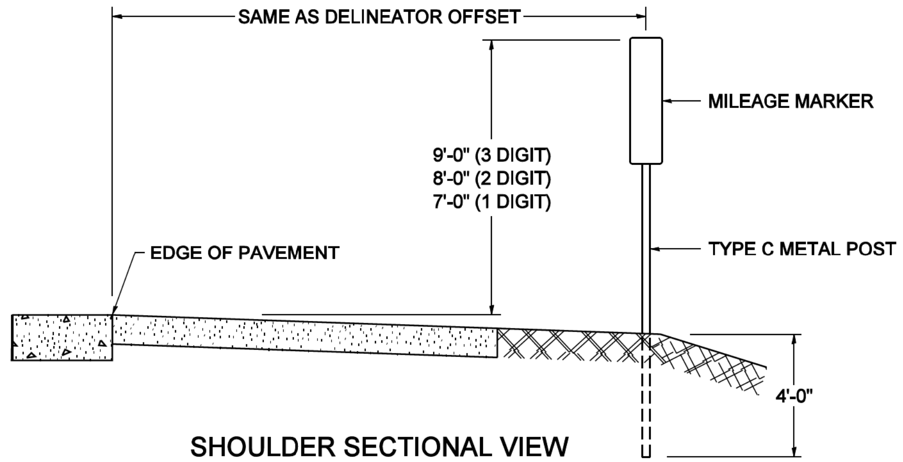
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
CENTER LANE CLOSURE SHOULDER LANE

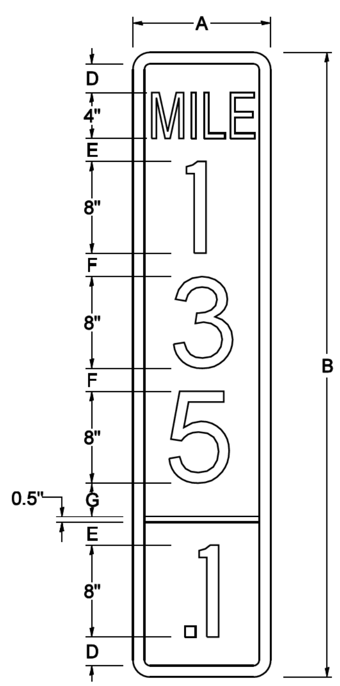
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

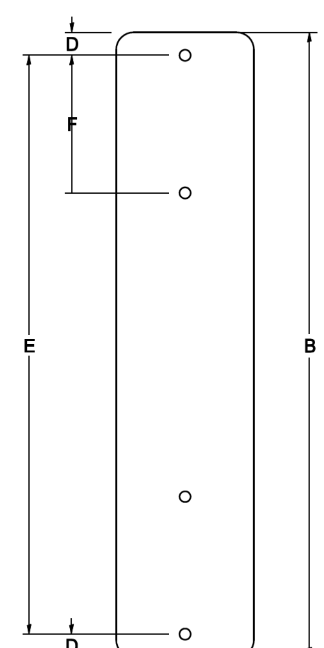
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	972
	TC-25	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

STANDARD DESIGN FOR MILE POST



SHOULDER SECTIONAL VIEW



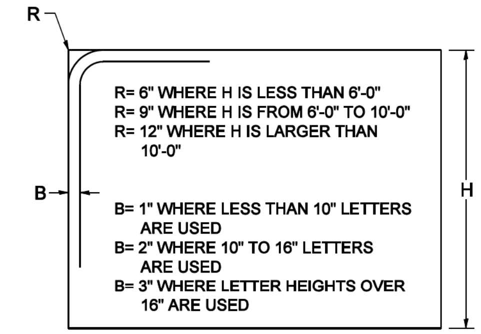


SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	DIGIT
12 x 24	12.0	24.0	1.5	1.5	1.5	N/A	1.5	1
12 x 36	12.0	36.0	1.5	2.0	2.0	2.0	1.5	2
12 x 48	12.0	48.0	1.5	2.5	2.0	2.0	2.5	3

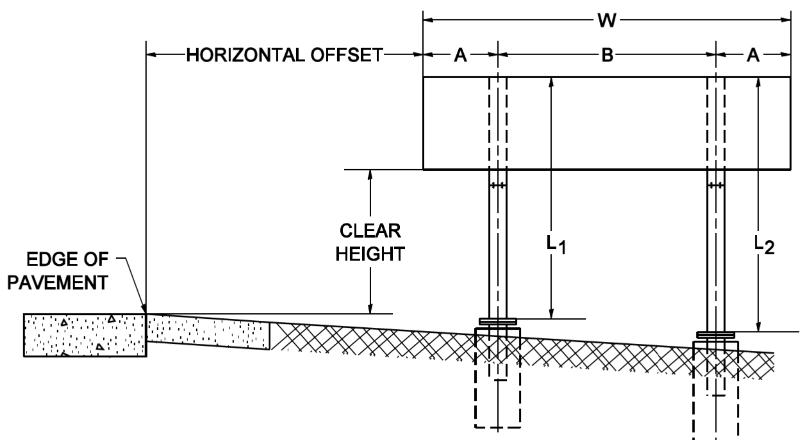
BLANK	A	B	C	D	E	F
B9-1224	12.0	24.0	1.5	2.0	20.0	N/A
B9-1236	12.0	36.0	1.5	2.0	32.0	12.0
B9-1248	12.0	48.0	1.5	2.0	44.0	12.0

SIGN SIZE	SERIES					BORDER	BLANK STD.
	LINES						
	1	2	3	4	5		
12 x 24	4C	8D	4C	N/A	N/A	0.5	B9-1224
12 x 36	4C	8D	8D	4C	N/A	0.5	B9-1236
12 x 48	4C	8D	8D	8D	4C	0.5	B9-1248

BORDER AND RADIUS LAYOUT



MAJOR GUIDE SIGN LAYOUT

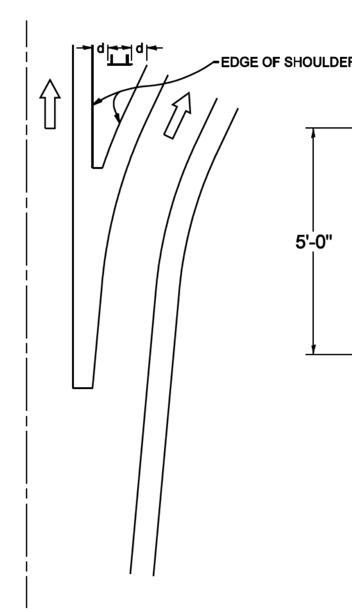


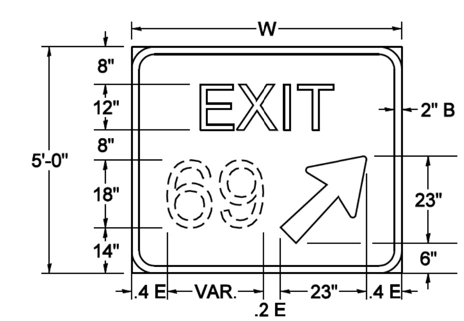
NUMBER OF STEEL SUPPORTS	A	B
2	.2 W	.6 W
3	.15 W	.35 W
4	.125 W	.25 W
5	.1 W	.2 W

"L_1" IS THE LENGTH OF SUPPORT, NOT INCLUDING THE STUB PROJECTION, CLOSEST TO THE EDGE OF THE PAVEMENT.

"A" IS THE DISTANCE FROM THE SIGN EDGE TO THE CENTERLINE OF THE NEAREST SUPPORT. "B" IS THE DISTANCE BETWEEN CENTERLINES OF SUPPORTS.

GORE SIGNS

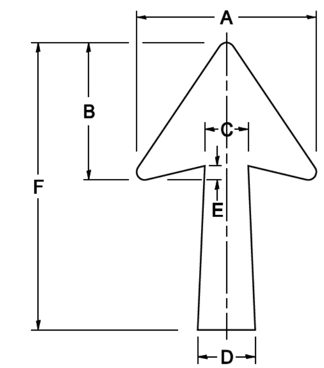




DIGITS	W	d
1 OR 2	6'-0"	2'-0"
3	7'-6"	1'-3"
4 OR 5	9'-0"	1'-0"

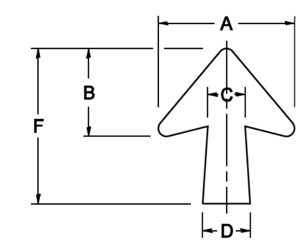
E= WIDTH - VAR. - 23"

STANDARD ARROWS FOR INTERSTATE GUIDE SIGNS



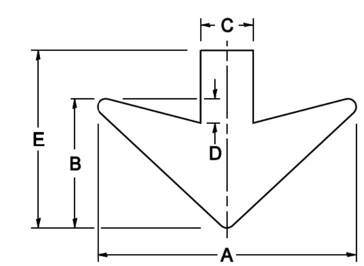
ARROW SYMBOL	A	B	C	D	E	F	R
24 1/4 x 15 1/8	15 1/8	11 9/16	3 3/4	5	1 5/16	24 1/4	13/16
29 1/4 x 18 1/4	18 1/4	14	4 1/2	6	1 1/2	29 1/4	3/4
35 5/8 x 22 1/4	22 1/4	17	5 3/8	7 1/8	1 3/4	35 5/8	1
18 1/4 x 11 1/4	11 1/4	8 3/4	3 1/8	3 7/8		18 1/4	

NOTE: D & F ARE RECOMMENDED DIMENSIONS. TAPER SHOULD BE HELD CONSTANT FOR LONGER OR SHORTER SHAFT LENGTHS



ARROW SYMBOL	A	B	C	D	E	F	R
17 1/4 x 14 1/4	14 1/4	9 13/16	3 3/8	4 1/2	15/16	17 1/4	3/4
20 1/4 x 17 1/4	17 1/4	11 3/4	4 3/8	5 5/8	1 1/2	20 1/4	
25 x 21 7/8	21 7/8	14 1/4	5	6 3/4	1 3/4	25	1
9 9/16 x 8 7/16	8 7/16	5 7/16	2 5/16	2 15/16		9 9/16	1/2

DOWN ARROWS



ARROW SYMBOL	A	B	C	D	E	R
16 1/2 x 24	24	12	5	1 1/2	16 1/2	3/4
22 x 32	32	16	6 1/2	3	22	1

• 90/94/290

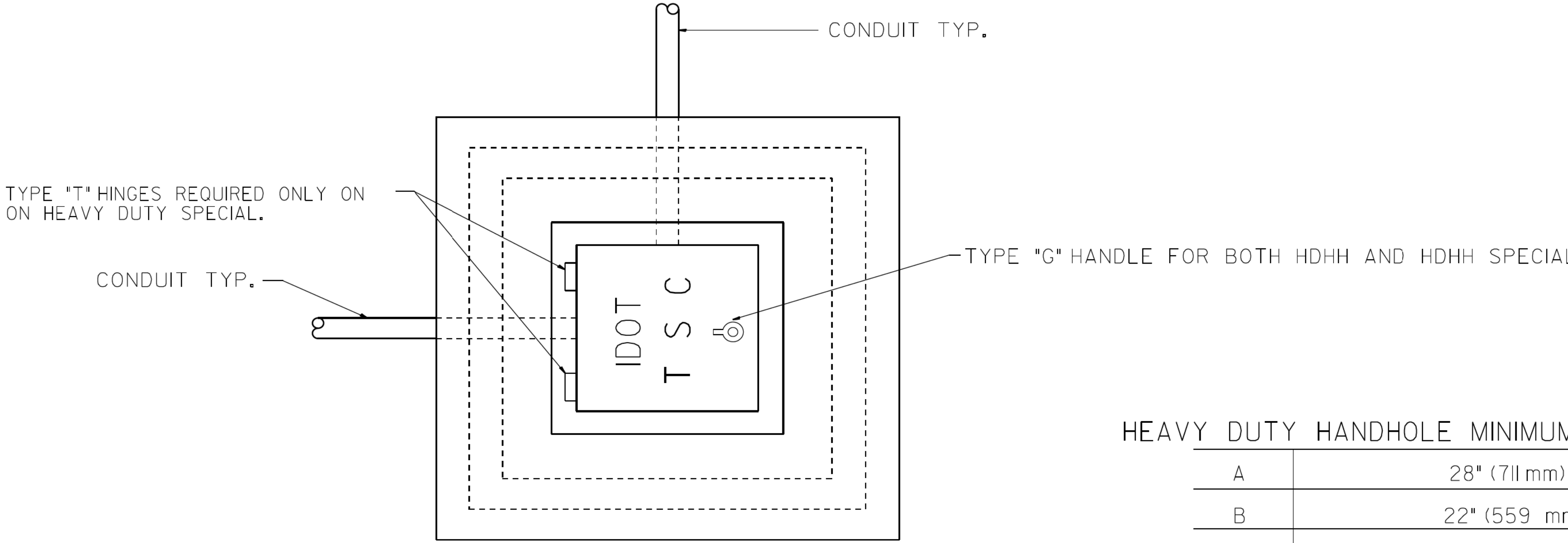
FILE NAME = tc27.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - 02-04-2009
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/4/2009	DATE - 03-08-1984	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

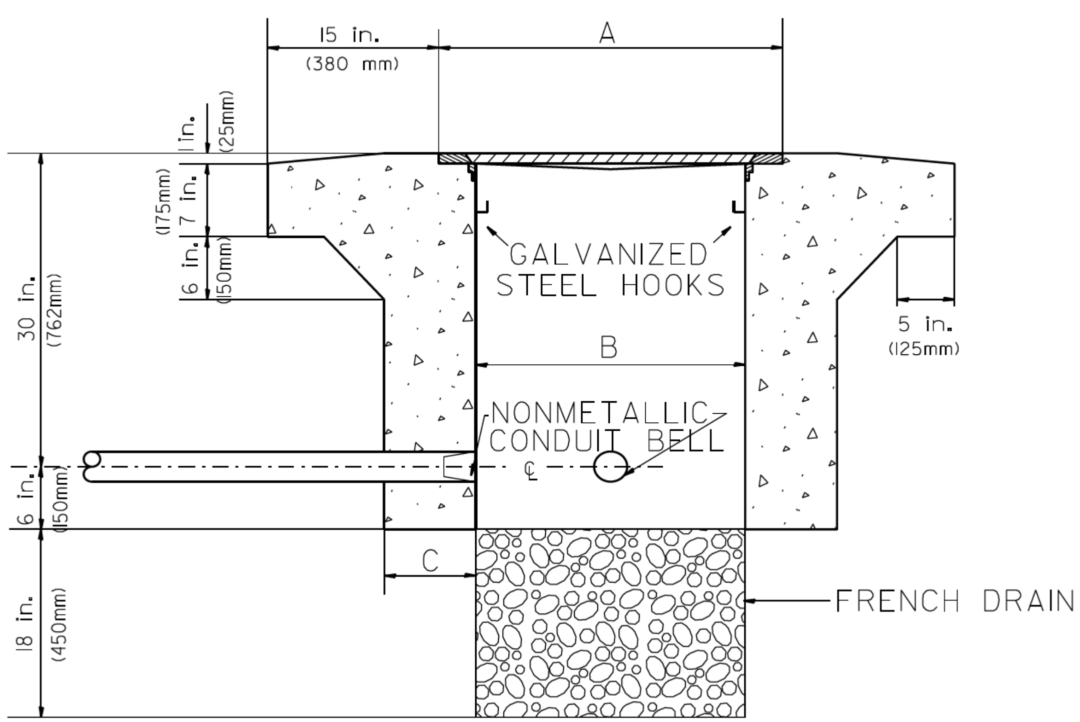
MILE POST MARKERS – GORE SIGNS
MAJOR GUIDE SIGN LAYOUT – ARROWS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2015-018R	COOK	1360	973
	TC–27 (TS–2341–1)	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



PLAN



ELEVATION

HEAVY DUTY HANDHOLE MINIMUM DIMENSIONS (UNHINGED)

A	28" (711 mm)
B	22" (559 mm)
C	8" (200 mm)

(FRAME AND COVER 260 LBS. (118 Kg.) MIN.)

HEAVY DUTY HANDHOLE SPECIAL MINIMUM DIMENSIONS

A	31.5" (800 mm)
B	30.0" (762 mm)
C	10.0" (250 mm)

(FRAME AND COVER 405 LBS. (184 Kg. (405))

PC CONCRETE - HEAVY DUTY HAND HOLE

FILE NAME =	USER NAME = $USER$	DESIGNED - R.L.	REVISED - 04/97
$FILEL$		DRAWN - G.M.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - R.L.	REVISED -
$MODELNAME$	PLOT DATE = $DATE$	DATE - 09/11/96	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

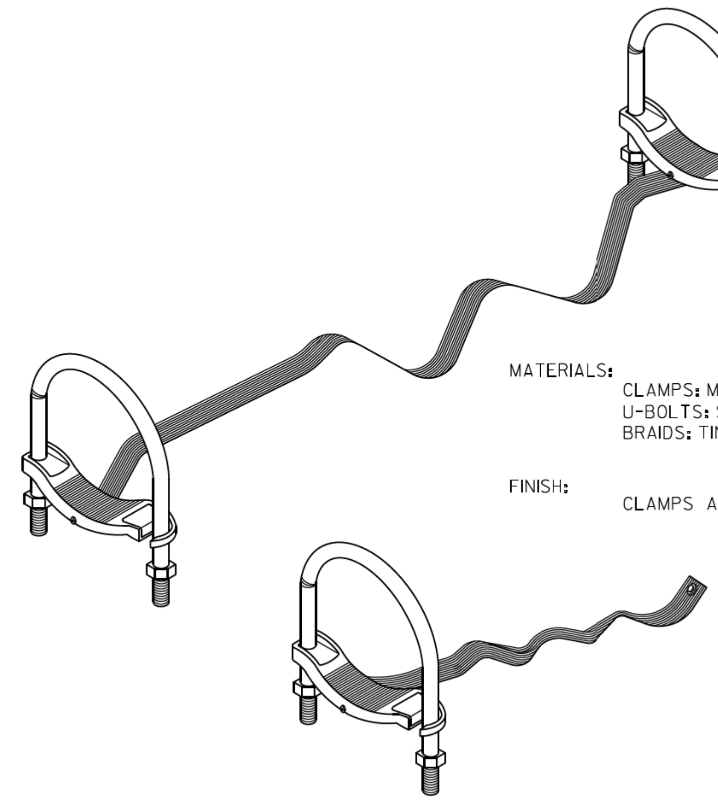
PC CONCRETE - HEAVY DUTY
HAND HOLE

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1360	974
		CONTRACT NO.		

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

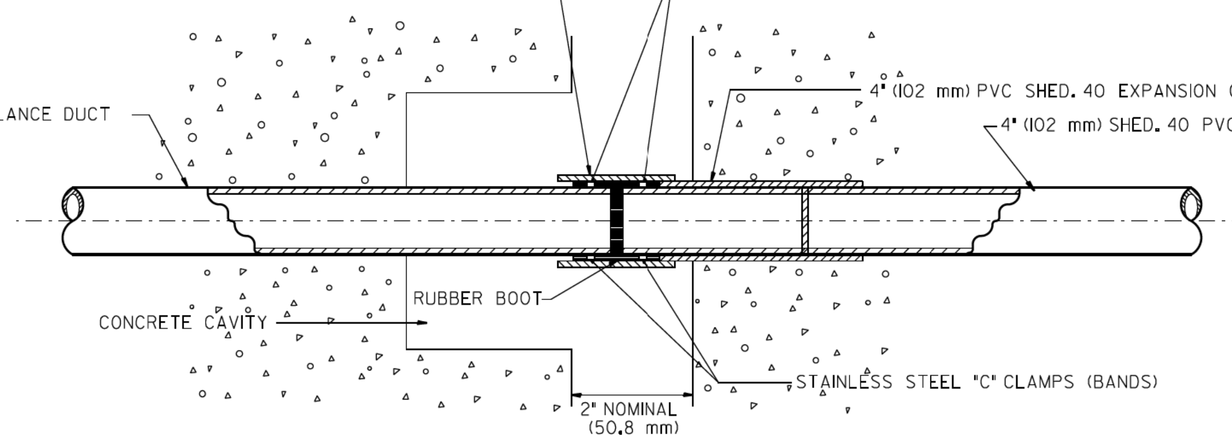
TRAFFIC SYSTEMS CENTER (TY-ITSC-400#15)



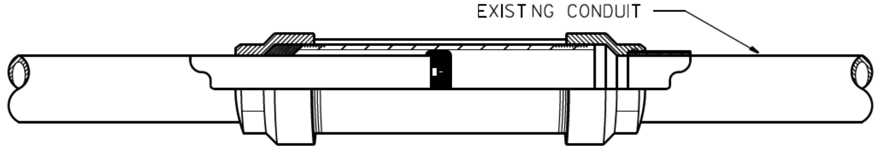
MATERIALS:
CLAMPS: MALLEABLE OR DUCTILE IRON.
U-BOLTS: STEEL.
BRAIDS: TINNED COPPER.

FINISH:
CLAMPS AND U-BOLTS ARE HOT DIP GALVANIZED.

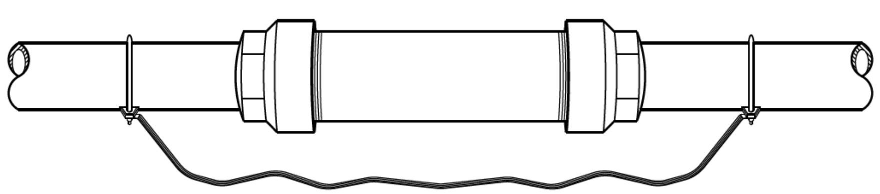
GROUNDING & BONDING JUMPERS FOR RIGID STEEL, IMC & EMT



EXPANSION/DEFLECTION FITTING



CROSS SECTION

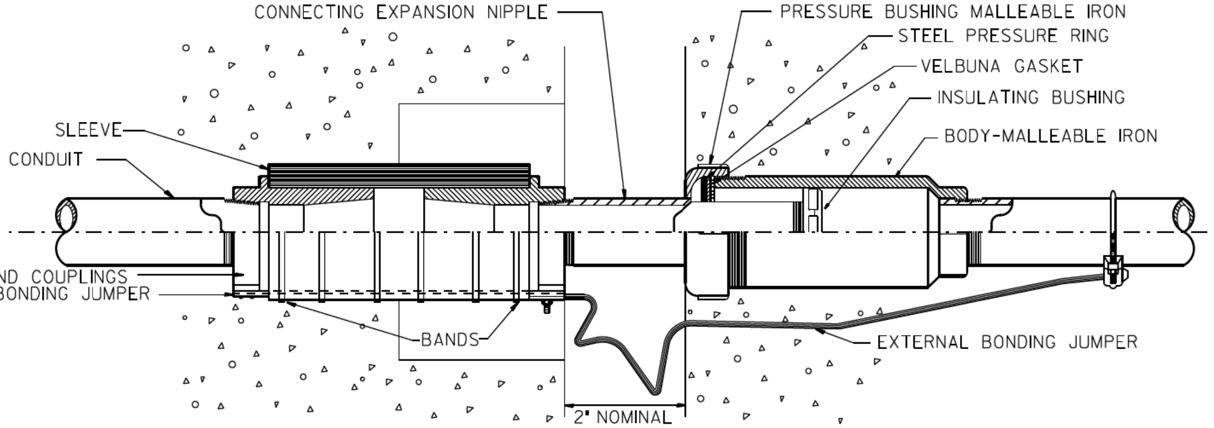


BONDING

EXPANSION FITTINGS

MATERIALS:
HEAD: MALLEABLE OR DUCTILE IRON.
SLEEVE: STEEL.
INSULATING BUSHING: PHENOLIC.

FINISH:
HOT DIP GALVANIZED.



COMBINATION DEFLECTION/EXPANSION FITTINGS FOR RIGID METAL CONDUIT & IMC

FITTING CAN BE USED EXPOSED OR EMBEDDED IN CONCRETE.

MATERIALS:
SLEEVE: NEOPRENE.
END COUPLINGS: BRONZE.
BONDING JUMPER: TINNED COPPER BRAIDS.
BANDS: STAINLESS STEEL.

FINISH:
ALL MALLEABLE, DUCTILE IRON OR STEEL PARTS
ARE HOT DIP GALVANIZED.

FILE NAME =	USER NAME = $USER$	DESIGNED - R.L.	REVISED - 03/99
$FILEL$		DRAWN - G.M.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - R.L.	REVISED -
$MODELNAME$	PLOT DATE = $DATE$	DATE - 01/22/98	REVISED -

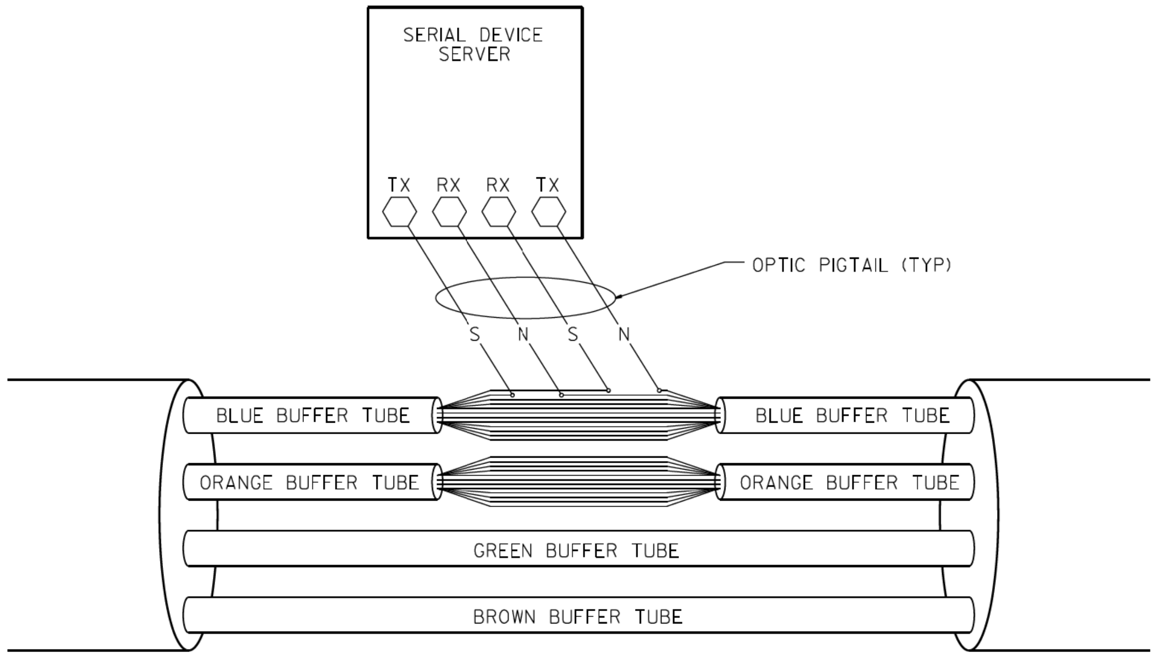
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

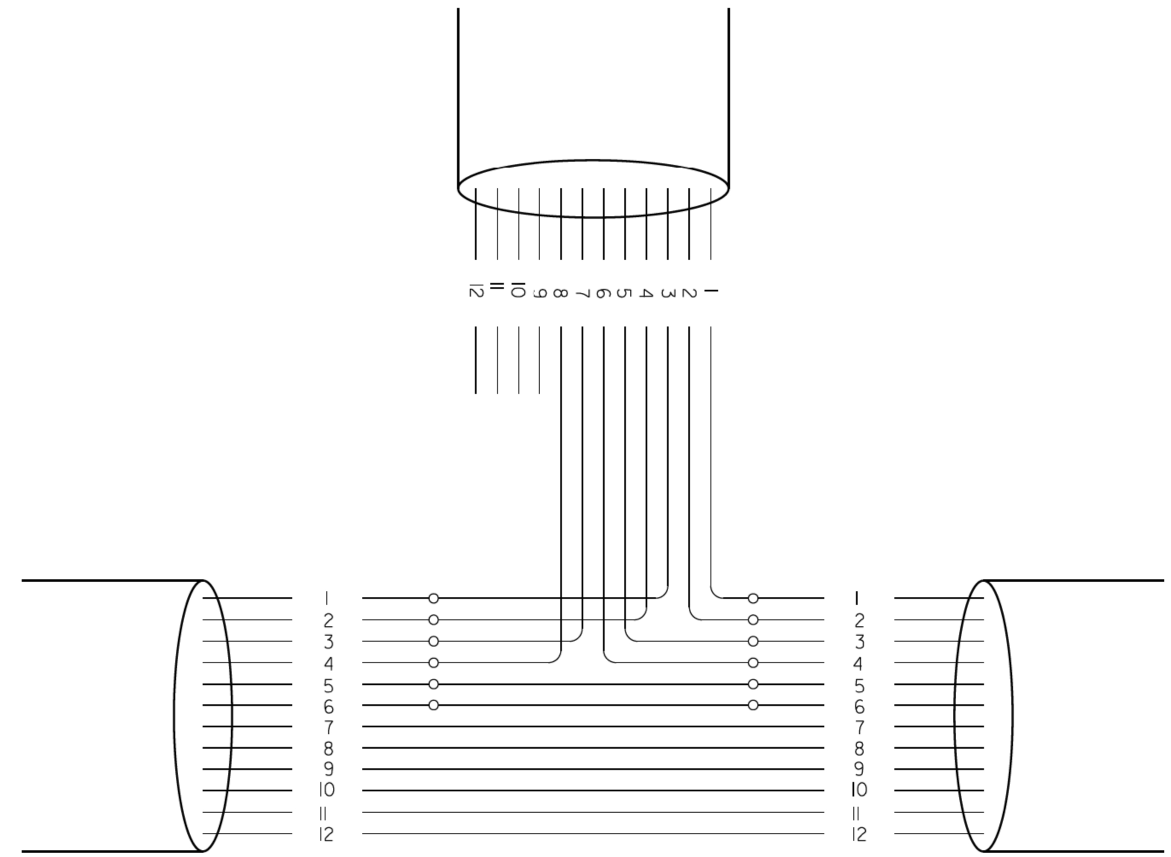
EXPANSION FITTING
DETAIL SHEET

SCALE: NONE	SHEET OF SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1360	975
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SYSTEMS CENTER (TY-ITSC-400#18)





PHYSICAL SPLICE DETAILS (TYP)

(NOT TO SCALE)

FIBERS		FUNCTION	APPLICATION DESCRIPTION
FIBER NO.	COLOR CODE		
1	BLUE	IN TX	DATA CIRCUIT
2	ORANGE	IN RX	
3	GREEN	OUT RX	
4	BROWN	OUT TX	
5	SLATE	IN TX	DMS
6	WHITE	IN RX	
7	RED	OUT RX	
8	BLACK	OUT TX	
9	YELLOW	IN TX	CCTV
10	VIOLET	IN TX	
11	ROSE	OUT RX	
12	AQUA	OUT TX	

NOTE:

1.- THIS DIAGRAM IS PROVIDED FOR ILLUSTRATION PURPOSES ONLY AND DEPICTS A TYPICAL FIBER OPTIC SPLICE.

FILE NAME = C:\d106010\I55TSCTYP.DGN	USER NAME = $USER$	DESIGNED - J.G.	REVISED - 03/04/2010
$FILEL$		DRAWN - G.M.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - J.G.	REVISED -
$MODELNAME$	PLOT DATE = $DATE$	DATE - 12/29/09	REVISED -

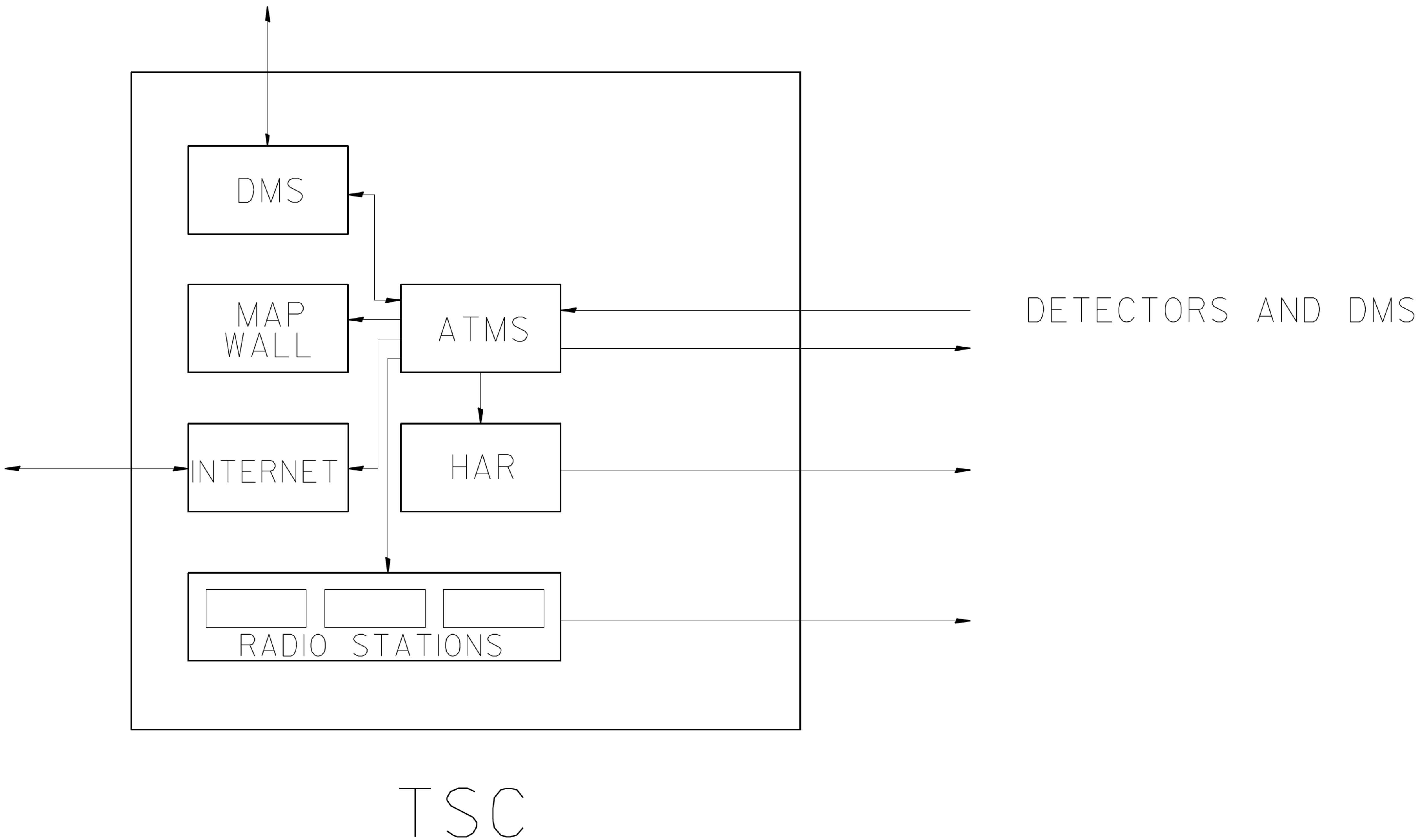
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

FIBER OPTIC
SPLICING TYPICAL

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1360	976
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

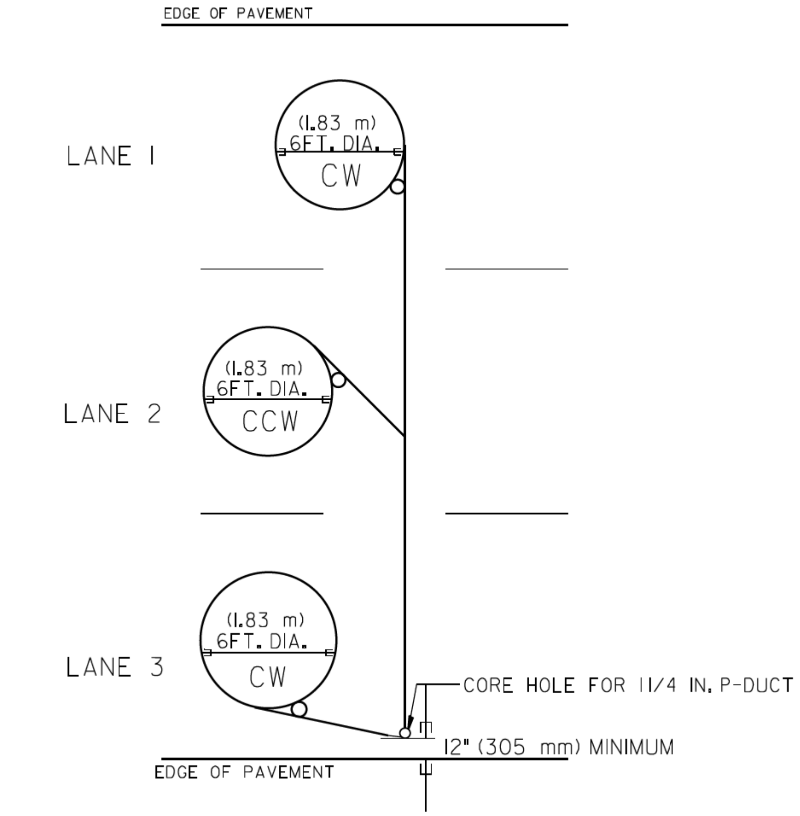
TRAFFIC SYSTEMS CENTER 4TY-ITSC-400#41)



FILE NAME = C:\d106010\I55TSCTYP.DGN	USER NAME = $USER$	DESIGNED - J.G.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	TSC ATMS	F.A. RTE.	SECTION	COUNTY
$FILEL$		DRAWN - G.M.	REVISED -					
	PLOT SCALE = $SCALE$	CHECKED - J.G.	REVISED -					CONTRACT NO.
$MODELNAME$	PLOT DATE = $DATE$	DATE - 01/07/2010	REVISED -		SCALE: NONE · SHEET OF SHEETS · STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT

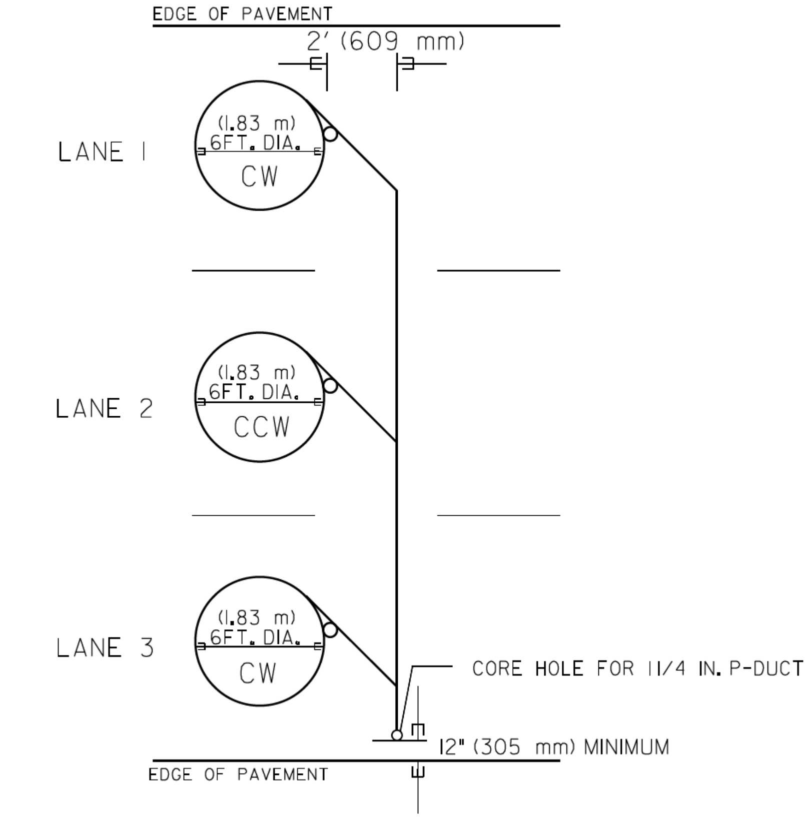
TOTAL SHEETS	SHEET NO.
1360	977

TRAFFIC SYSTEMS CENTER 4TY-ITSC-400#43)



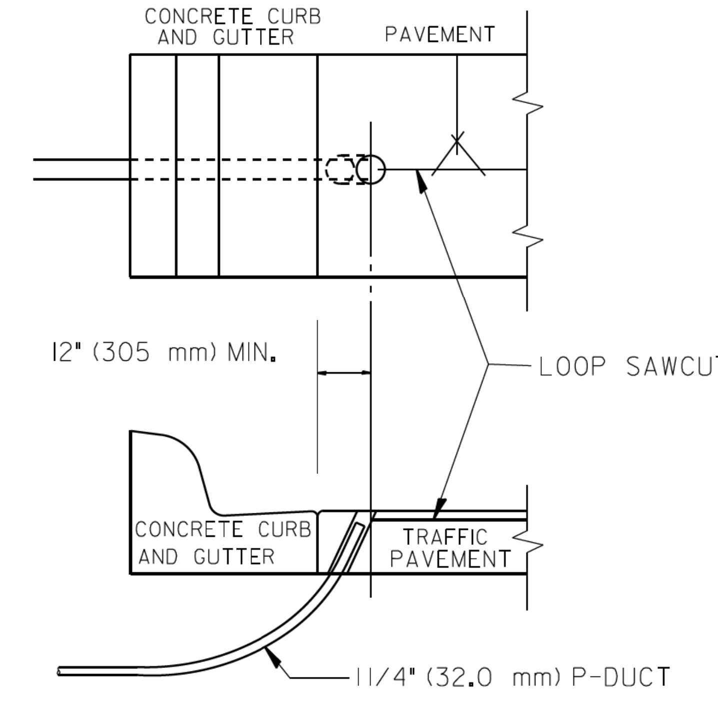
TYPICAL 6FT. (1.83 m) DIA. INDUCTION LOOP CORE DRILL

LAYOUT FOR MULTIPLE LANE ROADWAY



TYPICAL 6FT. (1.83 m) DIA. INDUCTION LOOP CORE DRILL

LAYOUT FOR MULTIPLE LANE ROADWAY

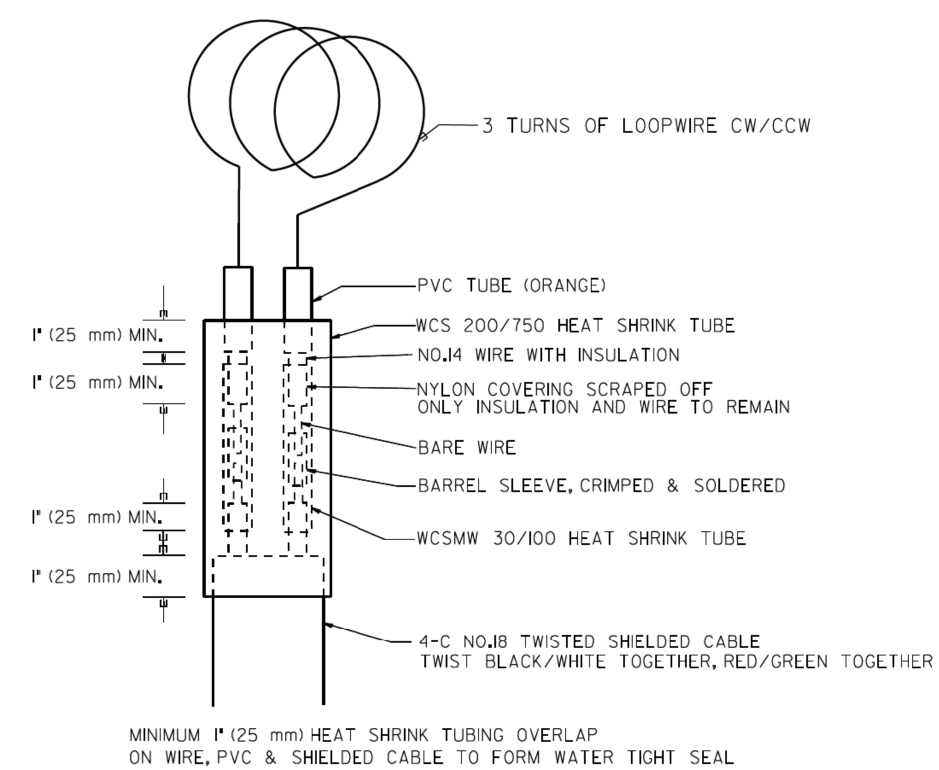


CURB AND GUTTER LOOP LEAD-IN

TRANSITION DETAIL

NOTES

1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 150FT. (45 m) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

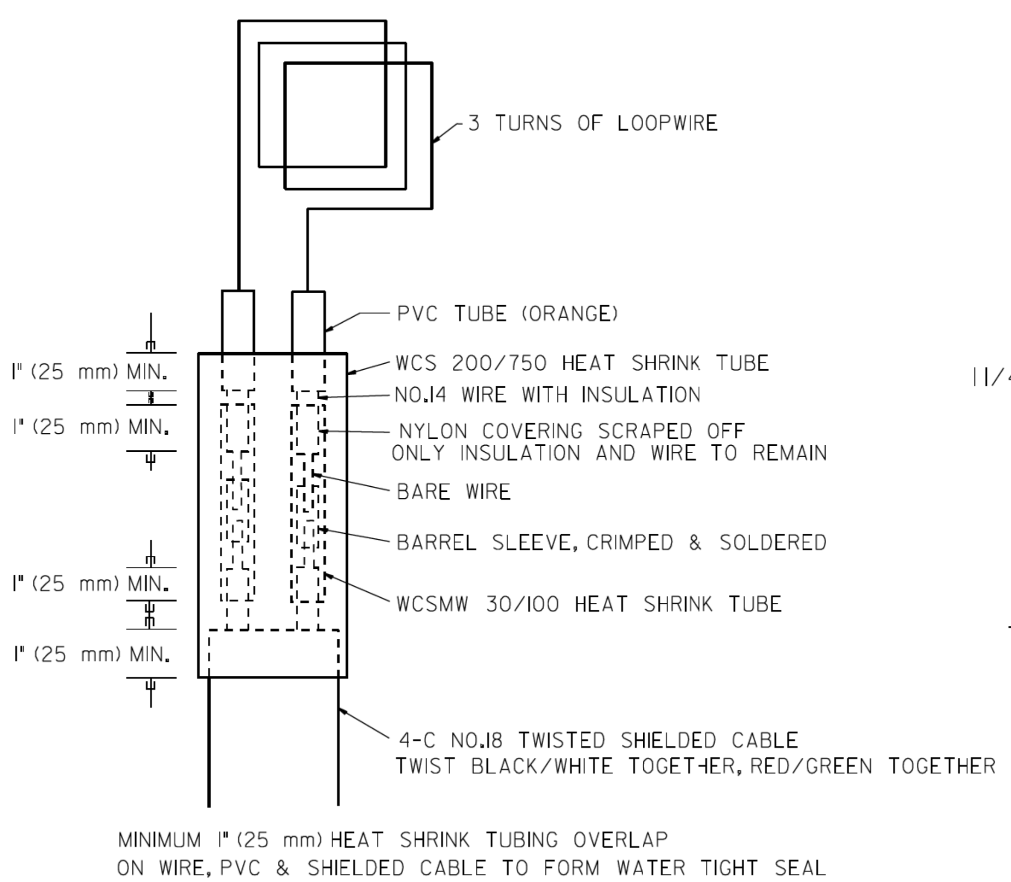


LOOP SPLICING REQUIREMENTS

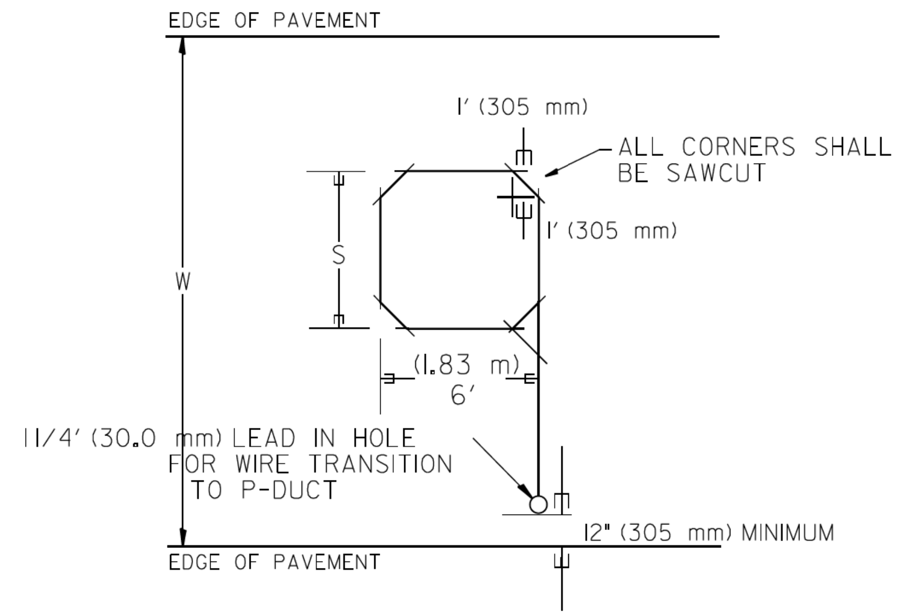
FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - R.L.	REVISED - 6/94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER
		DRAWN - G.M.	REVISED - 10/96	
	PLOT SCALE = $SCALE$	CHECKED - R.L.	REVISED - R.L. 03/2011	
$MODELNAME$	PLOT DATE = $DATE$	DATE - 6-22-94	REVISED -	

EXISTING ROUND INDUCTION LOOP TYPICALS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				1360	978
			CONTRACT NO.		
SCALE: NONE SHEET OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

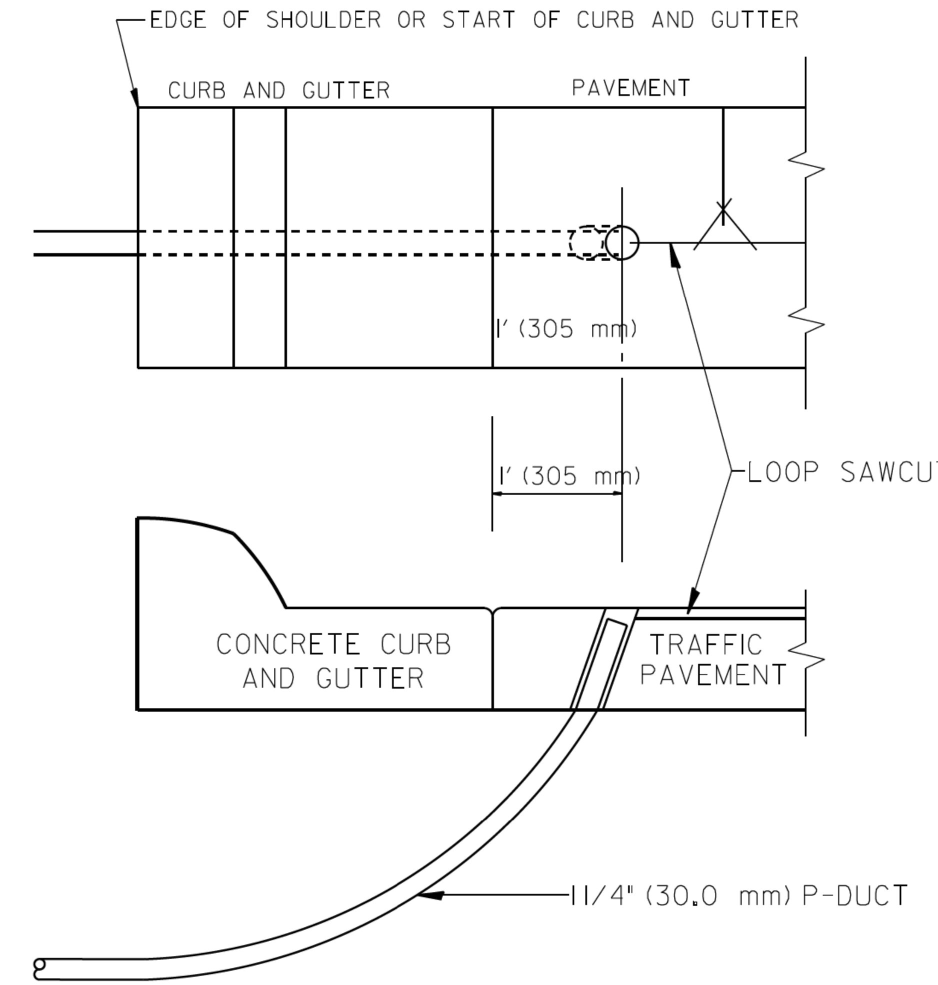
TRAFFIC SYSTEMS CENTER (TY-ITSC-418#2)



LOOP SPLICING REQUIREMENTS



TYPICAL "S" FT. BY 6' (1.83 m) INDUCTION LOOP
SAWCUT LAYOUT FOR RAMPS



CURB AND GUTTER LOOP LEAD-IN
TRANSITION DETAIL

TABLE 1	
WIDTH (W)	WIDTH (S)
12' (3.7 m)	8' (2.5 m)
13' (4.0 m)	9' (2.8 m)
14' (4.3 m)	10' (3.1 m)
15' (4.6 m)	11' (3.4 m)
16' (4.9 m)	12' (3.7 m)
17' (5.2 m)	13. (4.0 m)
18' (5.5 m)	14' (4.3 m)
19' (5.8 m)	15' (4.6 m)
20' (6.1 m)	18' (4.9 m)
21' (6.4 m)	17' (5.2 m)
22' (6.7 m)	18' (5.5 m)
23' (7.0 m)	19' (5.8 m)
24' (7.3 m)	20' (6.1 m)
25' (7.6 m)	21' (6.4 m)

NOTES

1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 150' (45 m) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - R.L.	REVISED - 6/94
		DRAWN - G.M.	REVISED - 11/95
	PLOT SCALE = $SCALE$	CHECKED - R.L.	REVISED - 05/96
$MODELNAME$	PLOT DATE = $DATE$	DATE - 6-22-94	REVISED - 10/96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

RECTANGULAR INDUCTION LOOP
TYPICAL

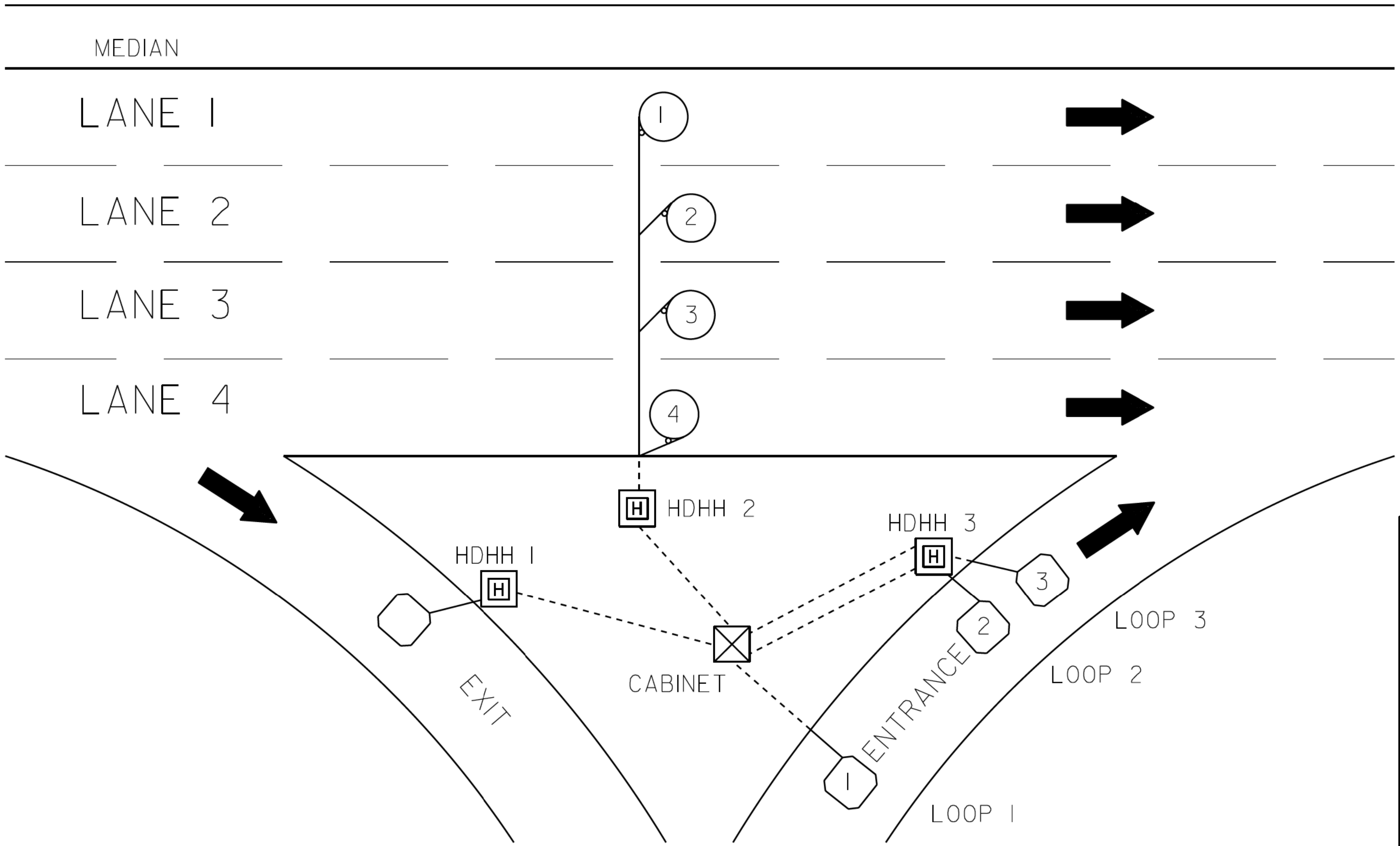
SCALE: NONE | SHEET OF SHEETS | STA. TO STA.

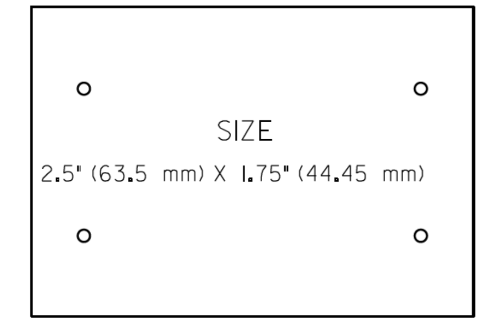
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1360	979

CONTRACT NO.

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

TRAFFIC SYSTEMS CENTER (TY-ITSC-418#3)





SUGGESTED TAG
PANDUIT
#MP250W175-C
OR EQUIVALENT

LOOP ANALYZER

LOCATION ____________________ DATE ________

LOOP LOCATION / LANE DIRECTION	LOOP WIRE MARKED AND CODED	LOOP SIZE	FREQ. INDUCTANCE	INSULATION	LOOP RESISTANCE

HDHH 1 EXAMPLE

IB-EB EXIT
CCW IN/
TO CABINET #____

HDHH 2 EXAMPLE

IB (OB) LANE #___
CCW /OUT
TO CABINET #____

HDHH 3 EXAMPLE

IB-EB ENT.
LOOP #2
CW IN/

NOTE:
EACH LOOP WIRE SHALL BE TAGGED AS "IN" OR "OUT" AND "CW" OR "CCW". SHIELDED CABLE WILL BE TAGGED IN EACH HANDHOLE AND CABINET TO MATCH THE CABLE LOG.

FILE NAME = $FILE$	USER NAME = $USER$	DESIGNED - R.L.	REVISED - 6/94
		DRAWN - G.M.	REVISED - 10/96
	PLOT SCALE = $SCALE$	CHECKED - R.L.	REVISED -
$MODELNAME$	PLOT DATE = $DATE$	DATE - 6-27-94	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

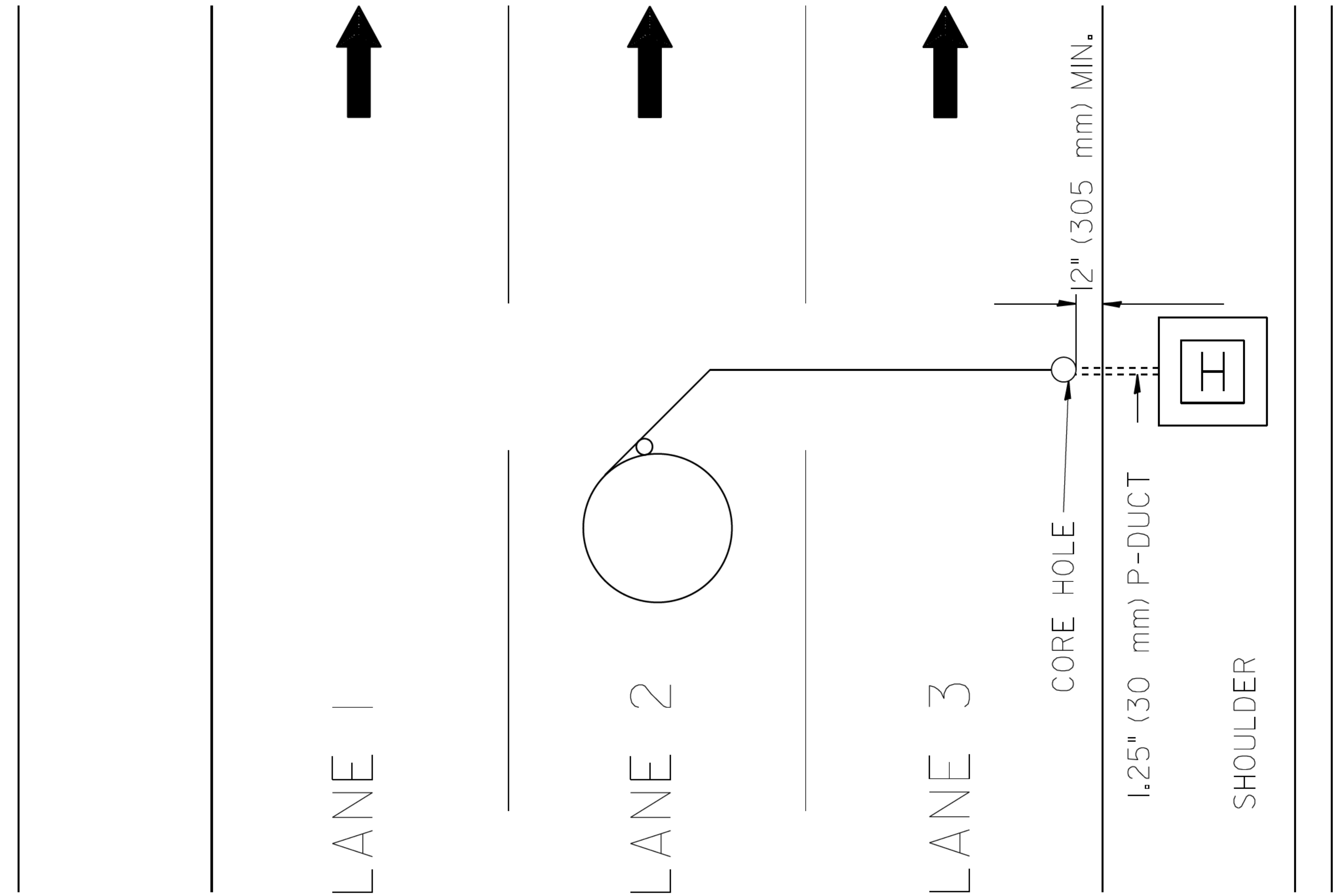
LOOP STATUS REPORT

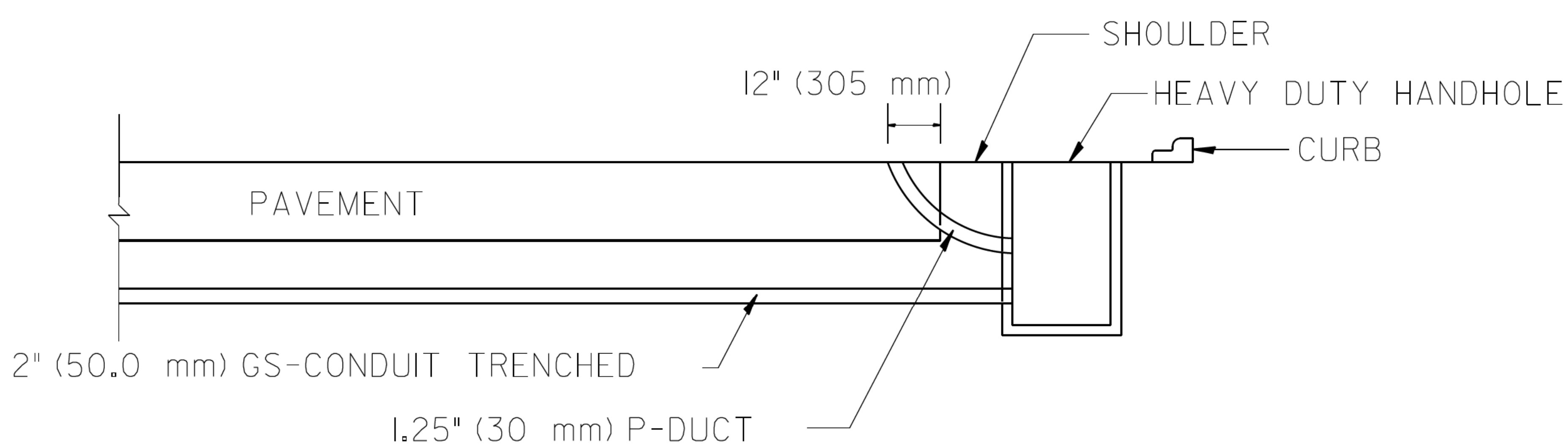
SCALE: NONE | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1360	980

CONTRACT NO.
FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

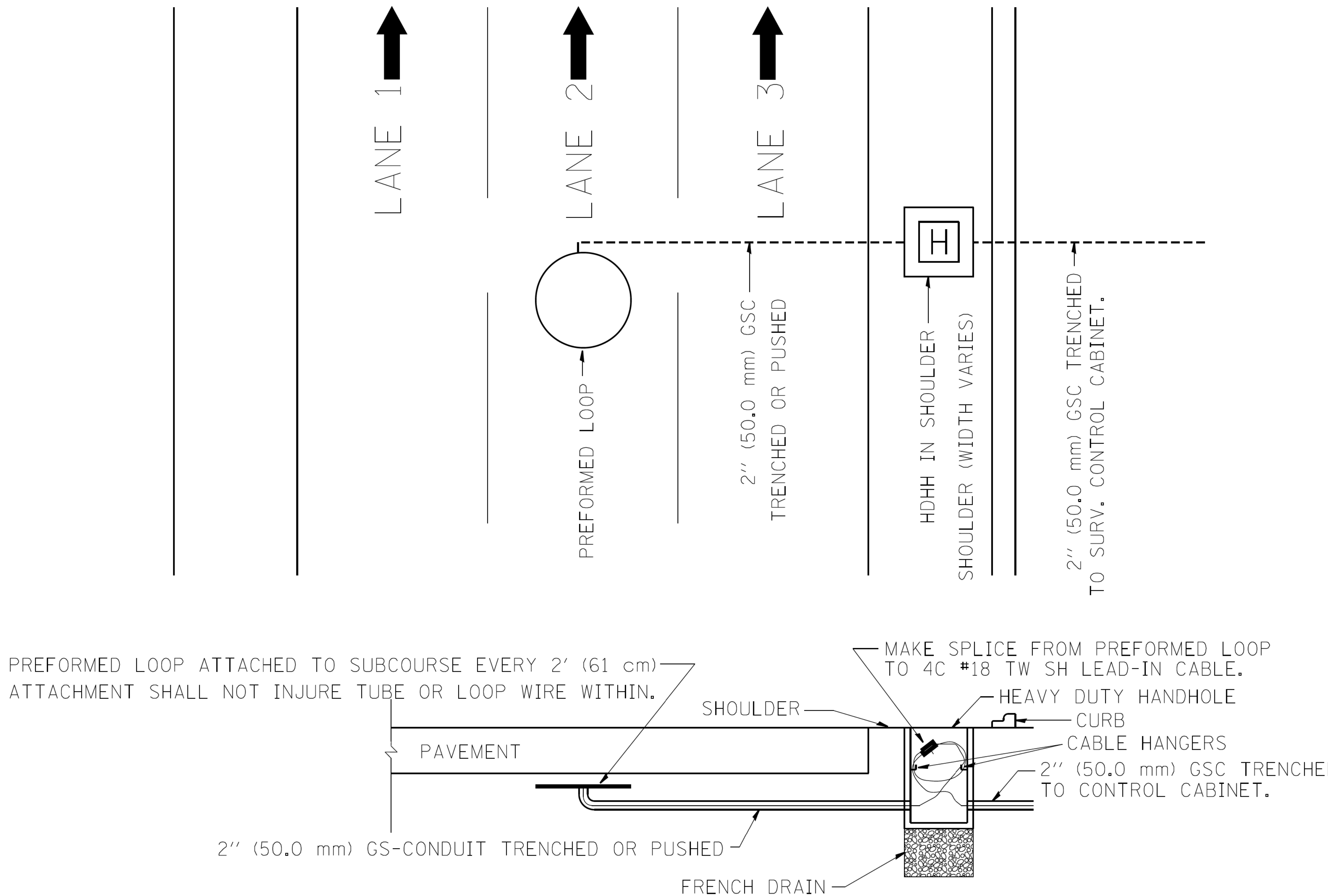
TRAFFIC SYSTEMS CENTER (TY-ITSC-418#7)





FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - R.L.	REVISED - R.L.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	DIVE HOLE DUCT SYSTEM	F.A. RTE. / SECTION / COUNTY / TOTAL SHEETS 1360 / SHEET NO. 981
		DRAWN - G.M.	REVISED - T.C.			CONTRACT NO.
	PLOT SCALE = $SCALE$	CHECKED - R.L.	REVISED -			
$MODELNAME$	PLOT DATE = $DATE$	DATE - 11/7/95	REVISED -		SCALE: NONE / SHEET OF SHEETS / STA. TO STA.	FED. ROAD DIST. NO. / ILLINOIS / FED. AID PROJECT

TRAFFIC SYSTEMS CENTER (TY-ITSC-418#8)



FILE NAME =	USER NAME = mezag	DESIGNED - R.L.	REVISED -
c:\pw_work\pwidot\mezag\d0287541\TSCTYP.dgn		DRAWN - G.M.	REVISED -
	PLOT SCALE = 100.0000 '/ in.	CHECKED - R.L.	REVISED -
	PLOT DATE = 2/7/2013	DATE - 03/18/02	REVISED -

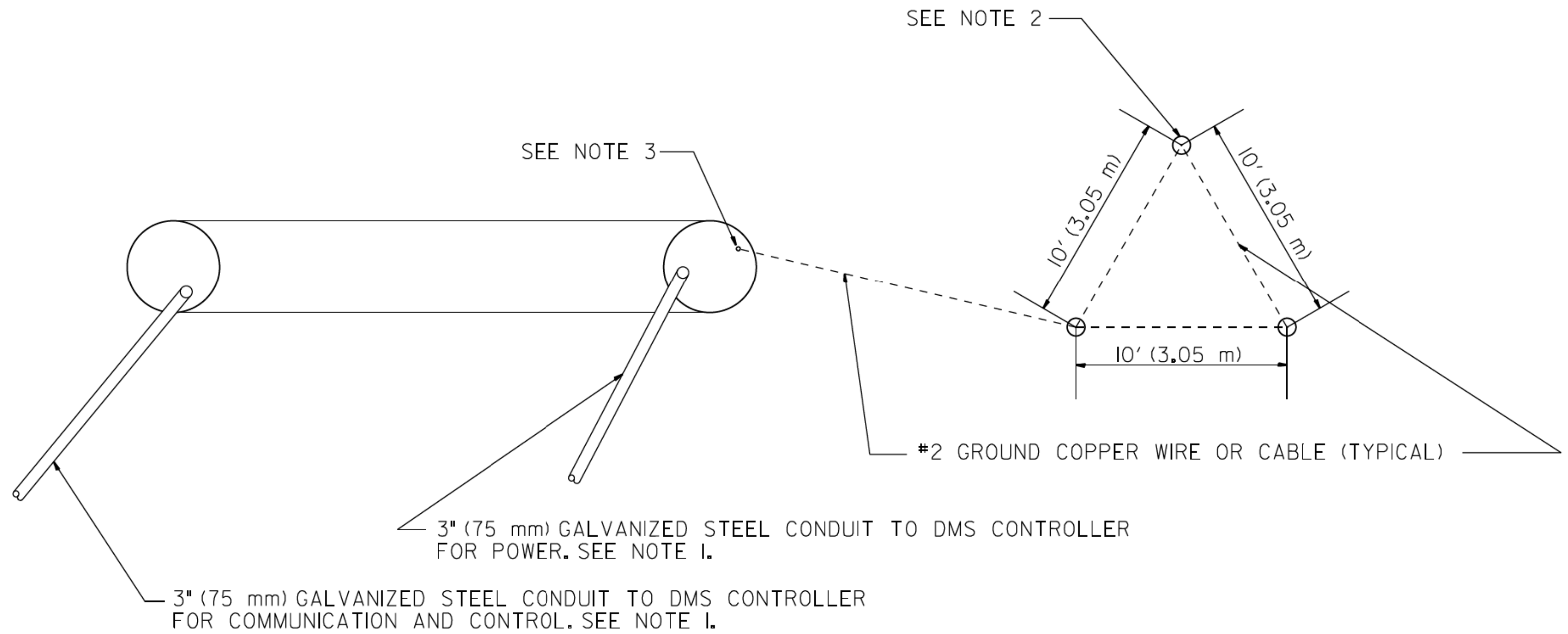
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

PREFORMED LOOP
TYPICAL INSTALLATION
NON-BRIDGE DECK APPLICATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1360	982
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

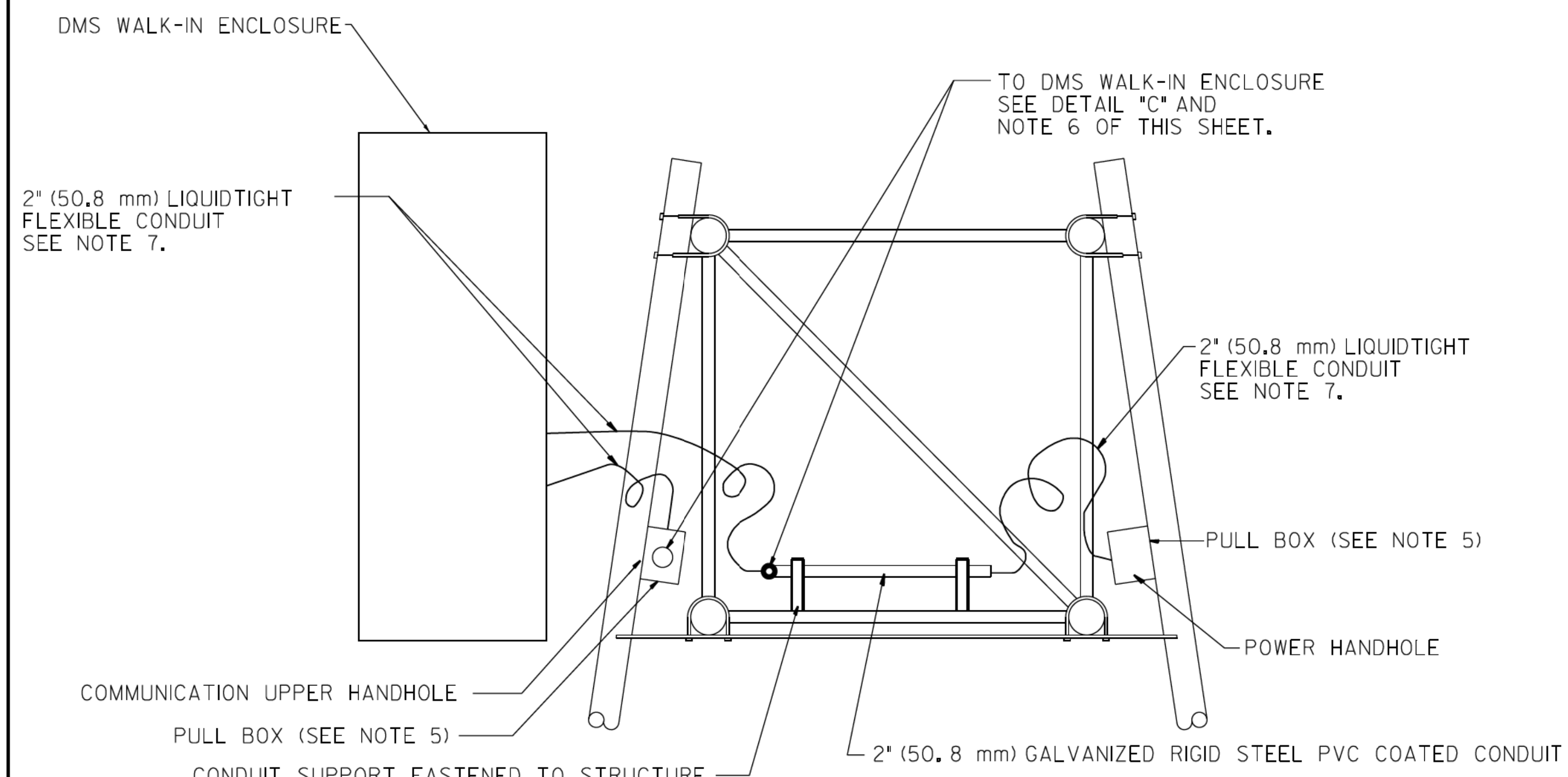
TRAFFIC SYSTEMS CENTER (TY-1TSC-418#10)



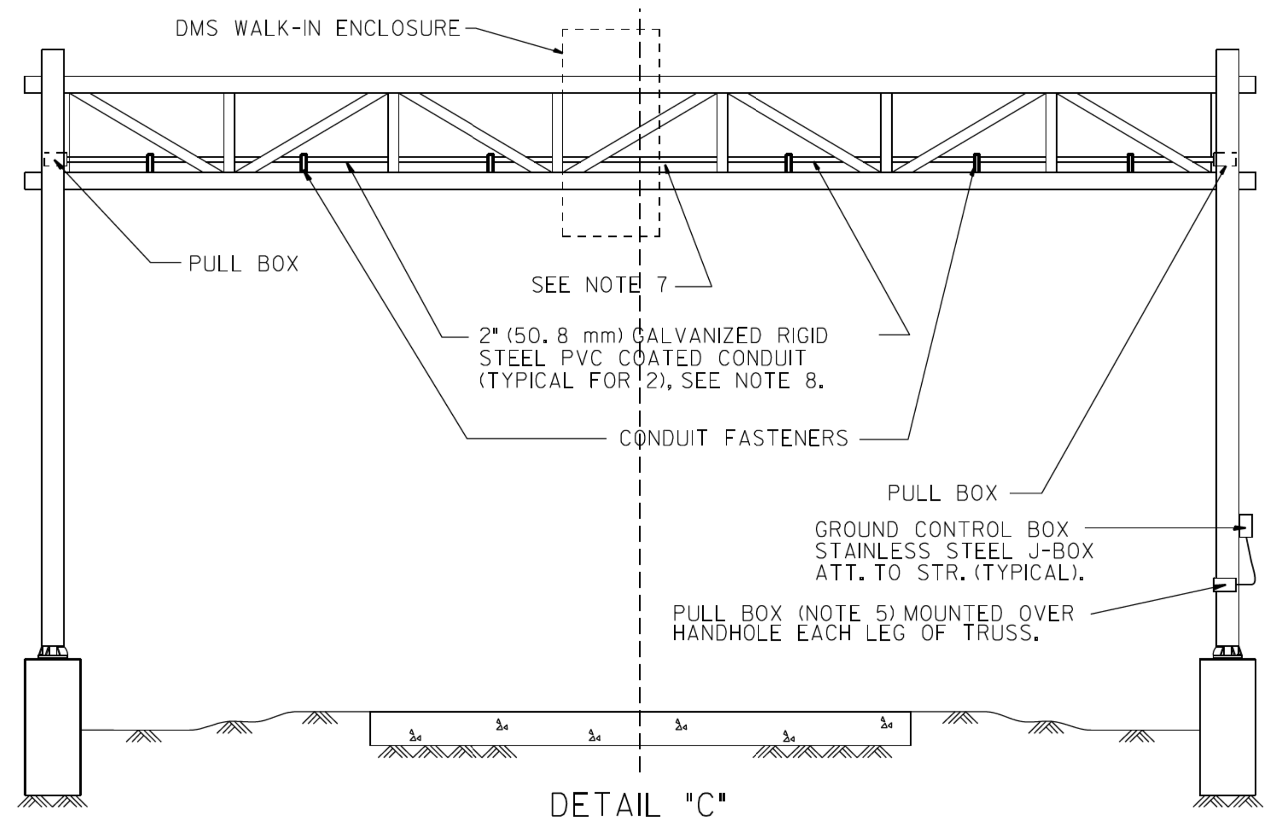
DETAIL "A"
CONDUIT STUB-UP AT DMS FOUNDATION

NOTES:

1. THE CONTRACTOR SHALL STUB-UP THE CONDUITS 6" (152.4 mm) INSIDE THE HOLLOW TRUSS SUPPORT. THE CONTRACTOR SHALL TAR COAT ALL GALVANIZED STEEL CONDUIT THAT IS IN TOUCH WITH EARTH. GROUNDING BUSHINGS SHALL BE INSTALLED ON EACH CONDUIT AND TIED TO THE GROUNDING SYSTEM AT THE TRUSS SUPPORT FOUNDATION. THE CONTRACTOR SHALL PULL THE CABLES TO THE TOP OF THE TRUSS SUPPORT THROUGH THE HOLLOW TRUSS. SEE DETAIL "B" OF THIS SHEET. THE CONTRACTOR SHALL INSTALL PULL WIRE IN EACH SPARE CONDUIT. SPARE CONDUIT SHALL BE CAPPED INSIDE THE TRUSS.
2.- 0.75" (19 mm) DIAMETER X 10' (3.05 m) LONG, COPPER WELD GROUND ROD DRIVEN INTO GROUND 9' (2.75 m) (TYPICAL FOR 3).
3.- THE CONTRACTOR SHALL TERMINATE THE GROUND COPPER WIRE TO THE ANCHOR ROD USING APPROVED CLAMPS FOR GROUNDING. THE ANCHOR ROD SHALL BE GROUND OR FILED TO BRIGHT METAL AT CLAMP AND CABLE CONNECTION LOCATION.
4.- THE COST OF FURNISHING AND INSTALLING ALL RODS, CABLES, CONDUITS, CAPS, AND CLAMPS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE "CONCRETE FOUNDATION".
5.- THE CONTRACTOR SHALL PROVIDE, INSTALL, AND WIRE A 6" (150 mm) X 6" (150 mm) X 4" (100 mm) STAINLESS STEEL PULL BOX, WITH CONTINUOUS HINGED COVER (TYPICAL).
6.- THE CONTRACTOR SHALL ROUTE AND FASTEN THE CONDUITS ALONG THE TRUSS SUPPORT, ON THE INSIDE, TO THE CMS ENCLOSURE.
7.- THE CONTRACTOR SHALL PENETRATE THE CHANGEABLE MESSAGE SIGN FROM THE BACK THROUGH THE OPENINGS PROVIDED BY THE CMS ENCLOSURE MANUFACTURER. CONNECTIONS BETWEEN THE CONDUIT AND THE CMS ENCLOSURE SHALL BE LIQUIDTIGHT FLEXIBLE CONDUIT.
8.- THE CONTRACTOR SHALL ROUTE THE CONDUITS FOR COMMUNICATIONS AND POWER LOW AND AS CLOSE AS POSSIBLE TO THE TRUSS SUPPORT.
9.- THE COST OF FURNISHING AND INSTALLING CONDUITS, CABLES, FASTENERS, PULL BOXES, AND LIQUIDTIGHT FLEXIBLE CONDUITS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF "CMS ENERGIZING, TESTING, AND COMMISSIONING".



DETAIL "B"
PARTIAL SIDE ELEVATION OF SIGN SUPPORT



DETAIL "C"
PARTIAL FRONT ELEVATION OF SIGN SUPPORT

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - R.L.	REVISED - 06/02
		DRAWN - G.M.	REVISED - 05/04
	PLOT SCALE = $SCALE$	CHECKED - R.L.	REVISED - 08/08
$MODELNAME$	PLOT DATE = $DATE$	DATE - 04/03/02	REVISED -

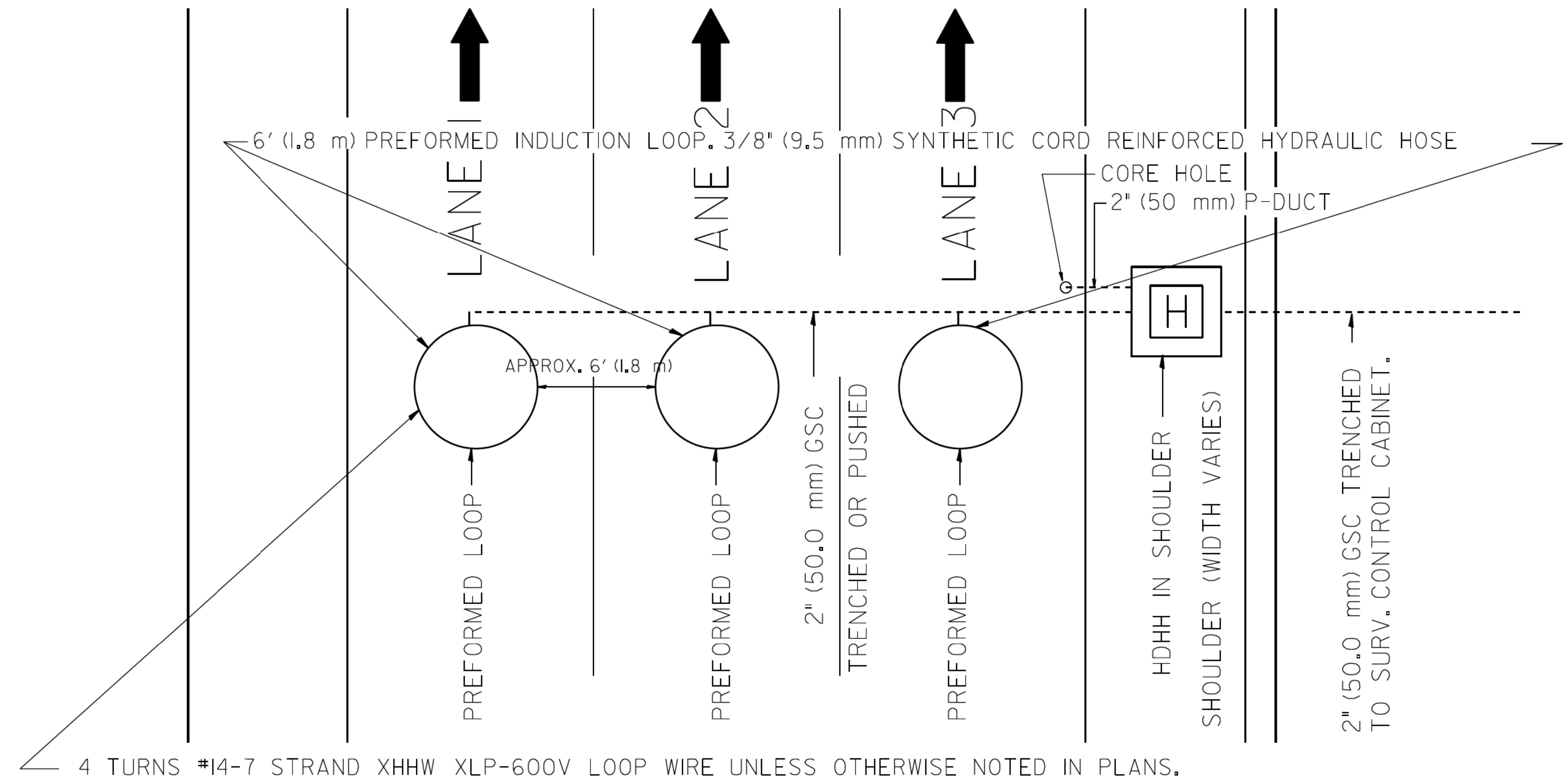
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

DMS CONDUIT
INSTALLATION DETAILS

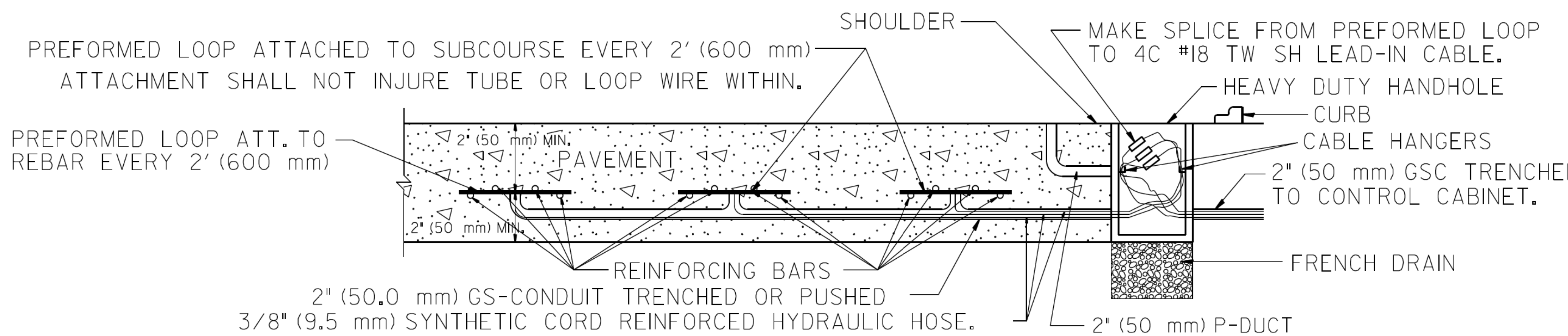
SCALE: NONE | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1360	983
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SYSTEMS CENTER (TY-ITSC-418#12)



TYPICAL 3 LANE COUNT STATION IN NEW CONCRETE PAVEMENT



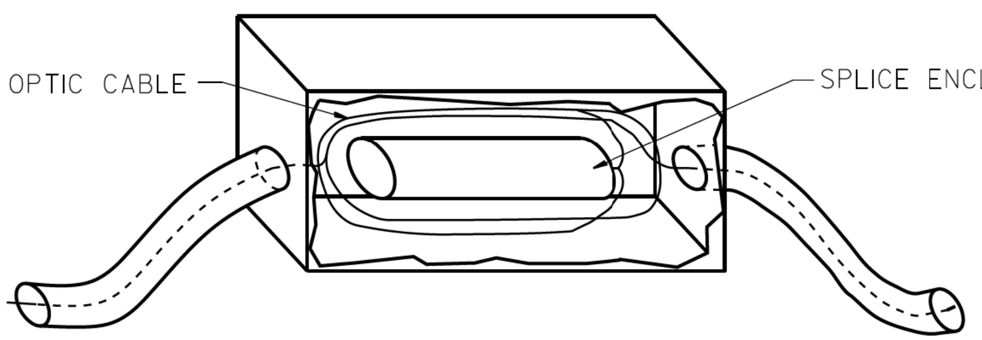
LOOP INSTALLATION IN NEW CONCRETE PAVEMENT

NOTES:

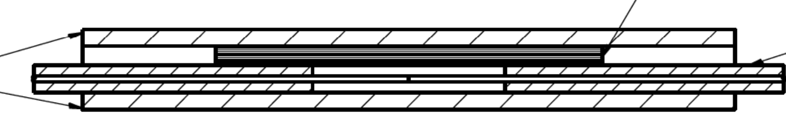
1.- EACH INDUCTION LOOP SHALL HAVE ITS OWN LEAD-IN CABLE TO CABINET.
2.- INDUCTION LOOPS SHALL NOT BE CONNECTED IN SERIES WITH OTHER LOOPS.
3.- LOOPS LOCATED OVER 1000' (300 m) FROM CABINET SHALL REQUIRE 5 TURNS OF #14 WIRE.
4.- FOR LANES 1 AND 3 WRAP LOOPS CLOCKWISE, FOR LANE 2 WRAP LOOP COUNTER CLOCKWISE.
5.- FOR COUNT STATIONS WHICH HAVE MORE THAN 3 LANES, A 3" (75 mm) GSC SHALL BE USED.
6.- COREHOLE SHALL BE FILLED WITH DUCT SEAL. JOINT SEALER (OZ GEDNEY DOZSEAL 230 OR BETTER) SHALL BE ADDED AFTER DUCT SEAL.

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - J.G.	REVISED -	STATE OF ILLINOIS	PREFORMED LOOP	F.A. RTE. / SECTION / COUNTY / TOTAL SHEETS 1360 / SHEET NO. 984
		DRAWN - G.M.	REVISED -	DEPARTMENT OF TRANSPORTATION	TYPICAL INSTALLATION	
	PLOT SCALE = $SCALE$	CHECKED - J.G.	REVISED -	TRAFFIC SYSTEMS CENTER	NEW CONCRETE PAVEMENT	CONTRACT NO.
$MODELNAME$	PLOT DATE = $DATE$	DATE - 06/22/04	REVISED -		SCALE: NONE SHEET OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

TRAFFIC SYSTEMS CENTER (TY-ITSC-418#19)



JUNCTION BOX DETAIL



FIBER SPLICE DETAIL

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED – D.S.	REVISED –
		DRAWN – G.M.	REVISED –
	PLOT SCALE = $SCALE$	CHECKED – D.S.	REVISED –
$MODELNAME$	PLOT DATE = $DATE$	DATE – 04/26/93	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

FIBER OPTIC
WIRING DETAIL

SCALE: | SHEET | OF | SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1360	985
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SYSTEMS CENTER (TY-ITSC-663#13)

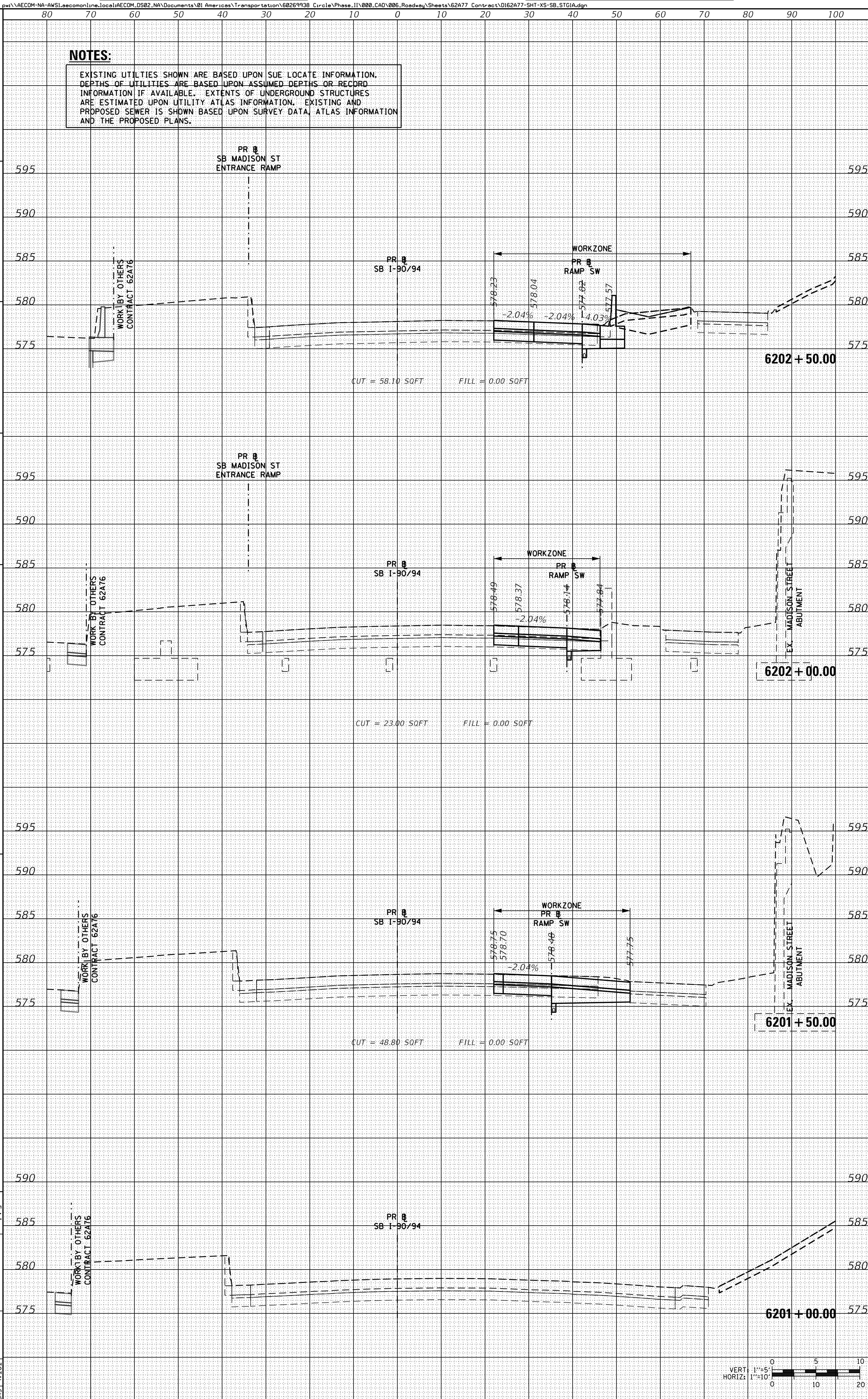
ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FILE PATH = pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\62A77 Contract\D162A77-SHT-XS-SB_STG1A.dgn

NOTES:

EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

USER NAME = andy.becker	DESIGNED - SDH
PLOT SCALE = 20.0000 ' / in.	DRAWN - SDH
PLOT DATE = 1/3/2020	CHECKED - MJE
D162A77-SHT-XS-SB_STG1A.dgn	DATE - 1/29/2019
	REVISED -
	REVISED -
	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SB I-90/94 MAINLINE - STAGE 1A

SCALE: 1:5V, 1:10H | SHEET 1 OF 49 SHEETS | STA. 6201+00.00 TO STA. 6202+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R		1360	986

CONTRACT NO. 62A77

ILLINOIS | FED. AID PROJECT

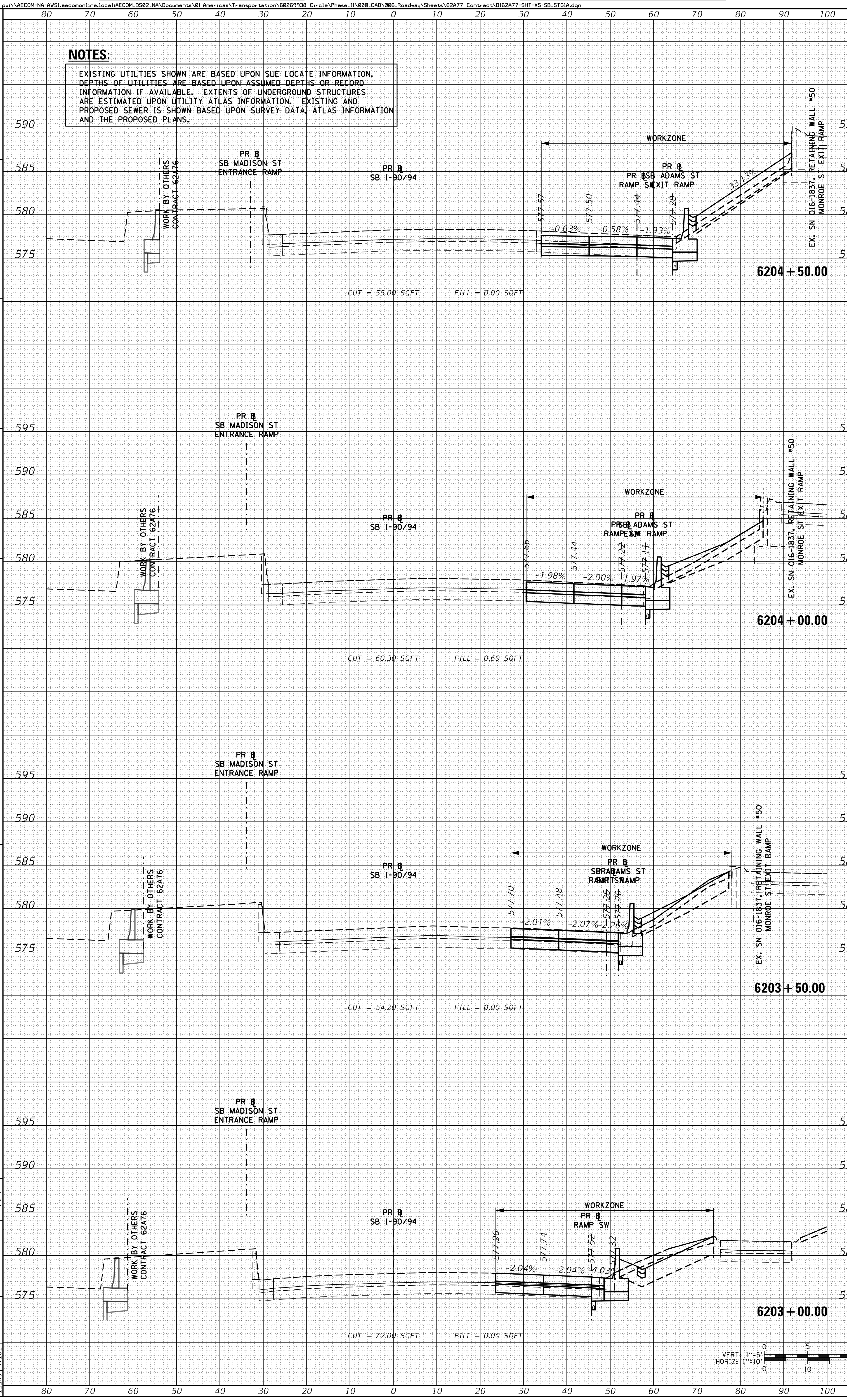
ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILE PATH = pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\62A77 Contract\D162A77-SHT-XS-SB_STG1A.dgn

NOTES:

EXISTING UTILTIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

D162A77-SHT-XS-SB_STG1A.dgn
USER NAME = andy.becker
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 1/3/2020

DESIGNED - SDH
DRAWN - SDH
CHECKED - MJE
DATE - 1/29/2019

REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SB I-90/94 MAINLINE - STAGE 1A

SCALE: 1:5V, 1:10H | SHEET 2 OF 49 SHEETS | STA. 6203+00.00 TO STA. 6204+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R		1360	987

CONTRACT NO. 62A77

ILLINOIS | FED. AID PROJECT

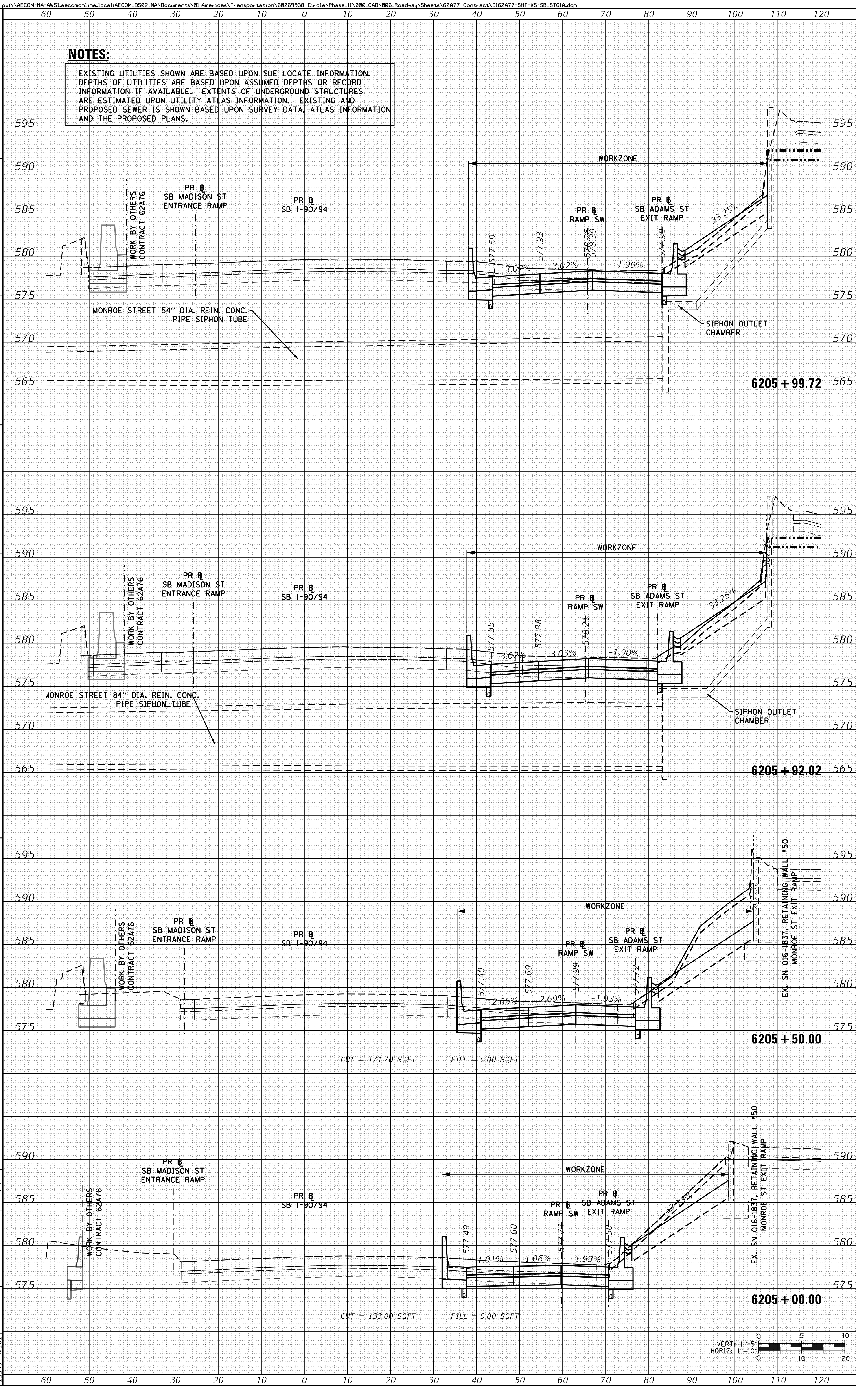
ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILE PATH = pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\62A77 Contract\D162A77-SHT-XS-SB_STG1A.dgn

NOTES:

EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

D162A77-SHT-XS-SB_STG1A.dgn
USER NAME = andy.becker
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 1/3/2020

DESIGNED - SDH
DRAWN - SDH
CHECKED - MJE
DATE - 1/29/2019

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SB I-90/94 MAINLINE - STAGE 1A

SCALE: 1:5V, 1:10H | SHEET 3 OF 49 SHEETS | STA. 6205+00.00 TO STA. 6205+99.72

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R		1360	988

CONTRACT NO. 62A77
ILLINOIS FED. AID PROJECT

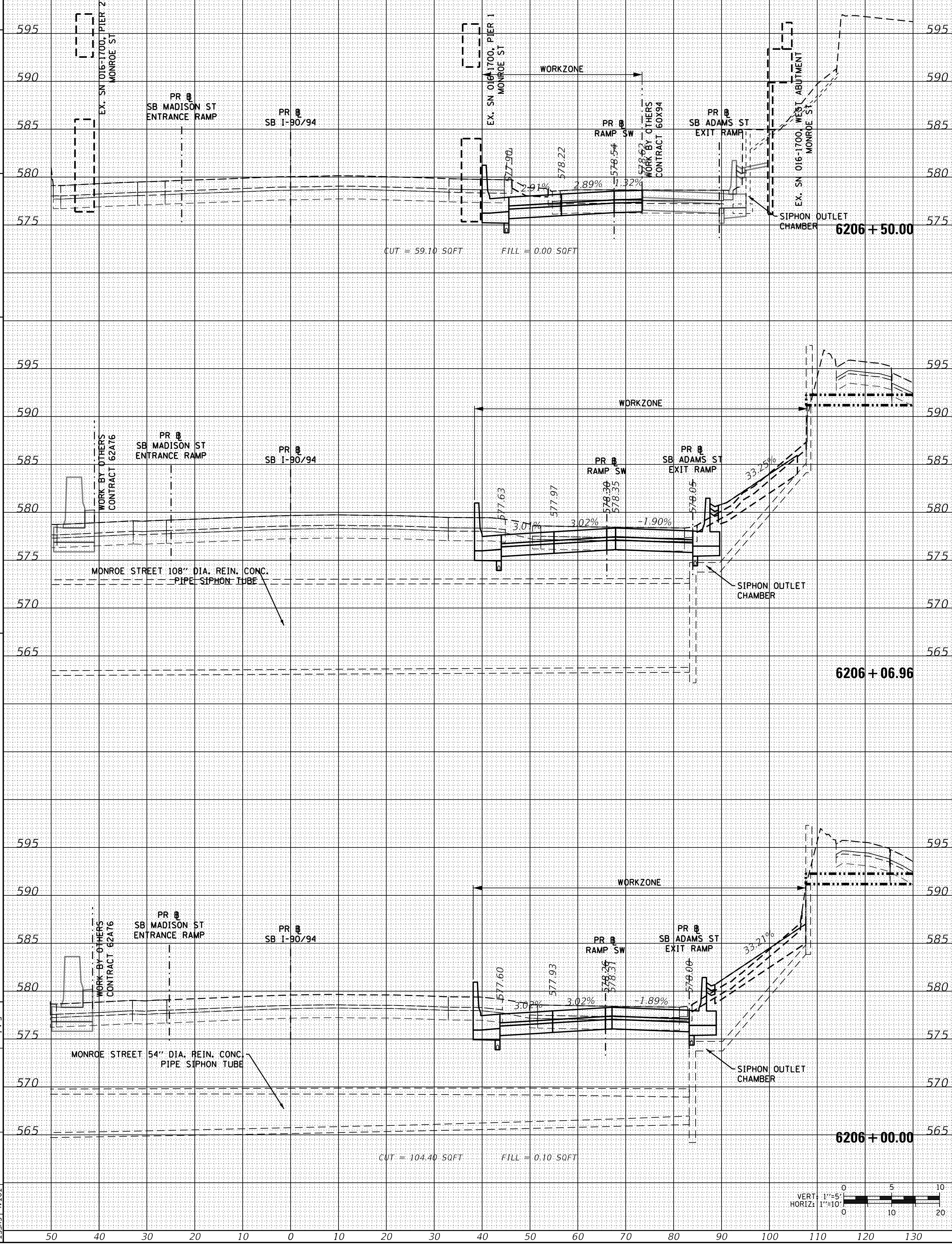
ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILE PATH = pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\62A77 Contract\D162A77-SHT-XS-SB_STG1A.dgn

NOTES:

EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



AECOM
303 EAST WACKER DRIVE SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

D162A77-SHT-XS-SB_STG1A.dgn
USER NAME = andy.becker
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 1/3/2020

DESIGNED - SDH
DRAWN - SDH
CHECKED - MJE
DATE - 1/29/2019
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SB I-90/94 MAINLINE – STAGE 1A

SCALE: 1:5V, 1:10H | SHEET 4 OF 49 SHEETS | STA. 6206+00.00 TO STA. 6206+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R		1360	989

ILLINOIS | FED. AID PROJECT

CONTRACT NO. 62A77

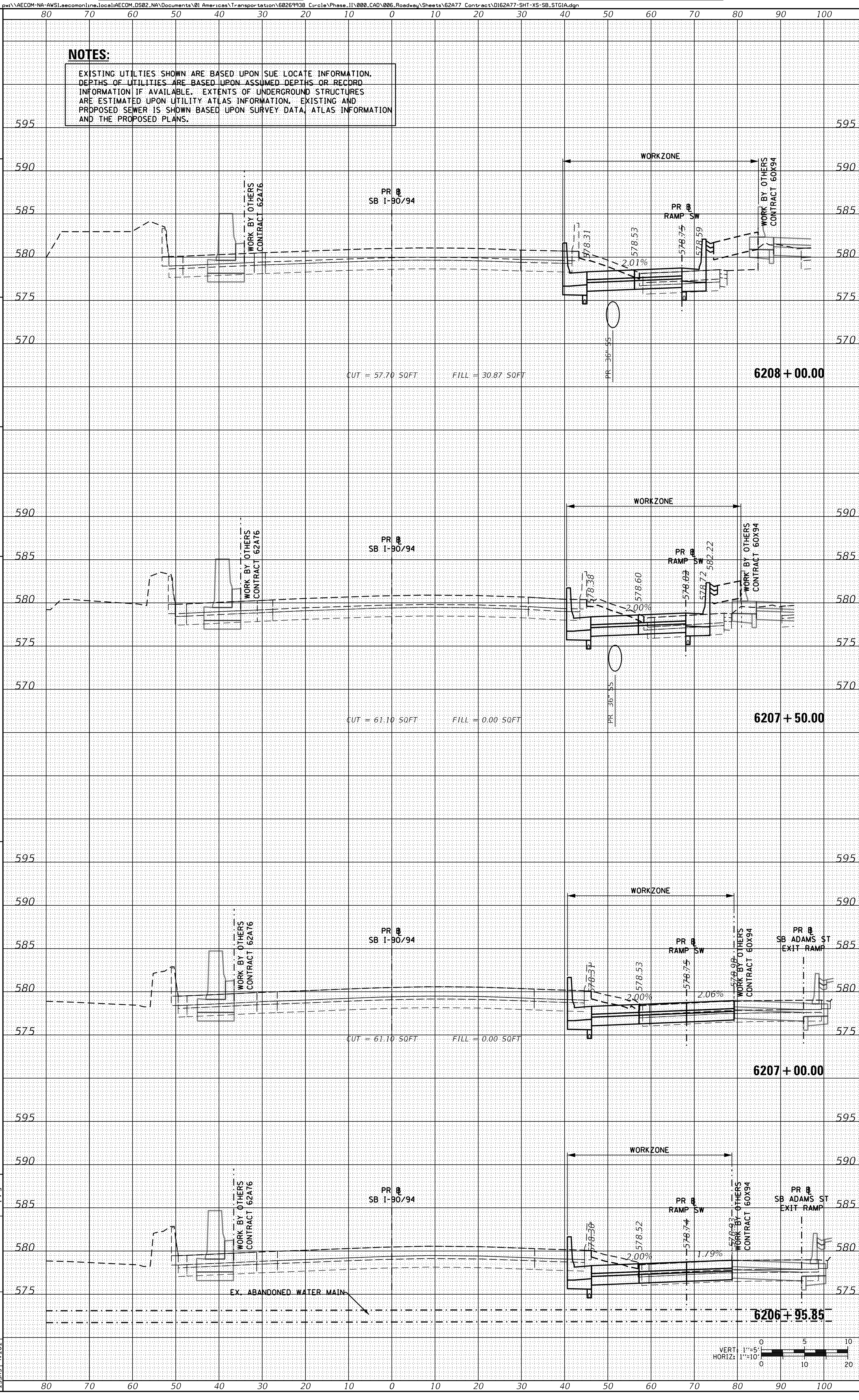
ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILE PATH = pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\62A77 Contract\D162A77-SHT-XS-SB_STG1A.dgn

NOTES:

EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

D162A77-SHT-XS-SB_STG1A.dgn
USER NAME = andy.becker
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 1/3/2020

DESIGNED - SDH
DRAWN - SDH
CHECKED - MJE
DATE - 1/29/2019

REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SB I-90/94 MAINLINE - STAGE 1A

SCALE: 1:5V, 1:10H | SHEET 5 OF 49 SHEETS | STA. 6206+95.85 TO STA. 6208+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R		1360	990

ILLINOIS | FED. AID PROJECT
CONTRACT NO. 62A77

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILE PATH = pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\62A77 Contract\D162A77-SHT-XS-SB_STG1A.dgn

AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

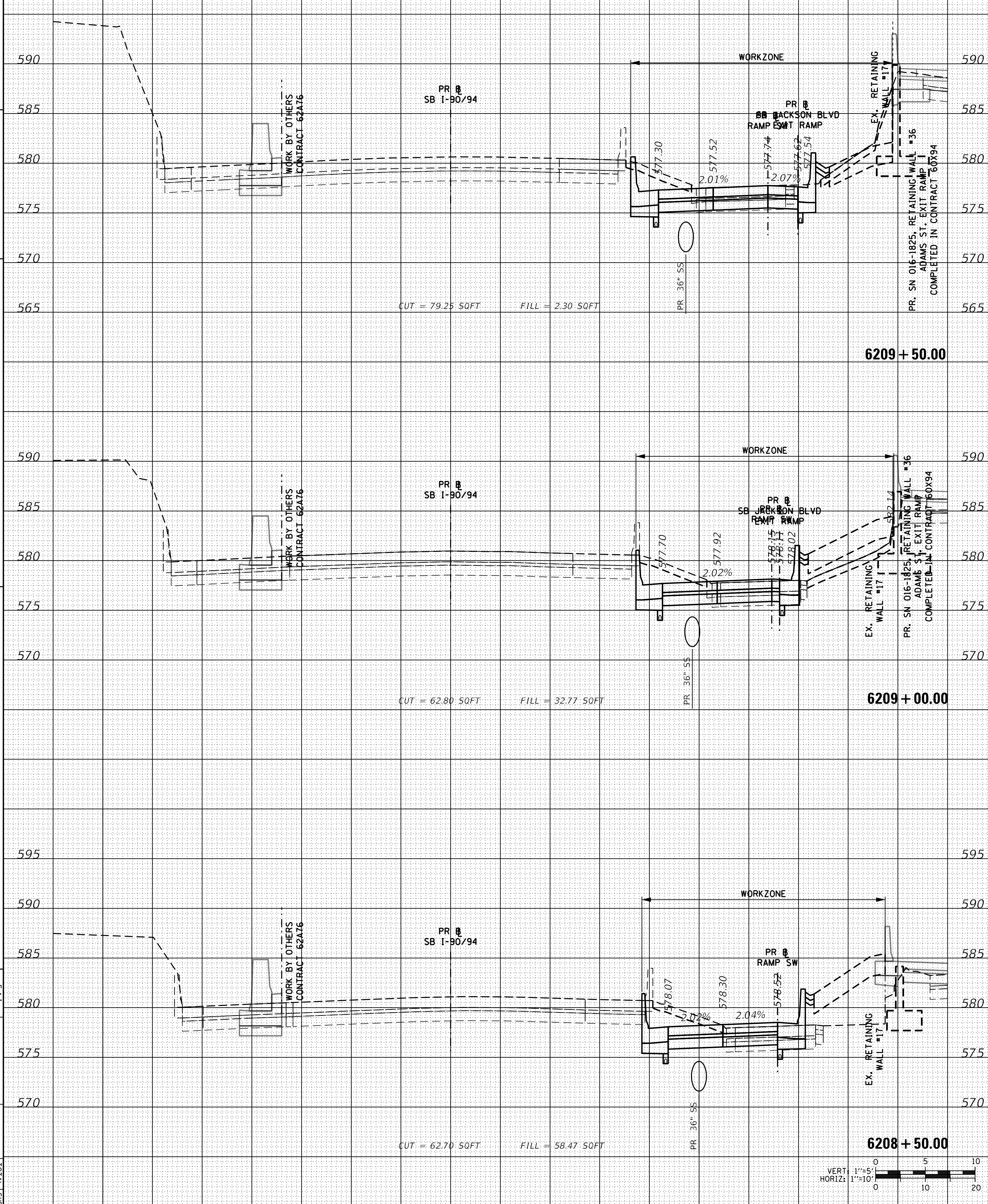
D162A77-SHT-XS-SB_STG1A.dgn
USER NAME = andy.becker
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 1/3/2020

DESIGNED - SDH
DRAWN - SDH
CHECKED - MJE
DATE - 1/29/2019

REVISED -
REVISED -
REVISED -

NOTES:

EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SB I-9094 MAINLINE – STAGE 1A

SCALE: 1:5V, 1:10H | SHEET 6 OF 49 SHEETS | STA. 6208+50.00 TO STA. 6209+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R		1360	991
			CONTRACT NO. 62A77	
ILLINOIS	FED. AID PROJECT			

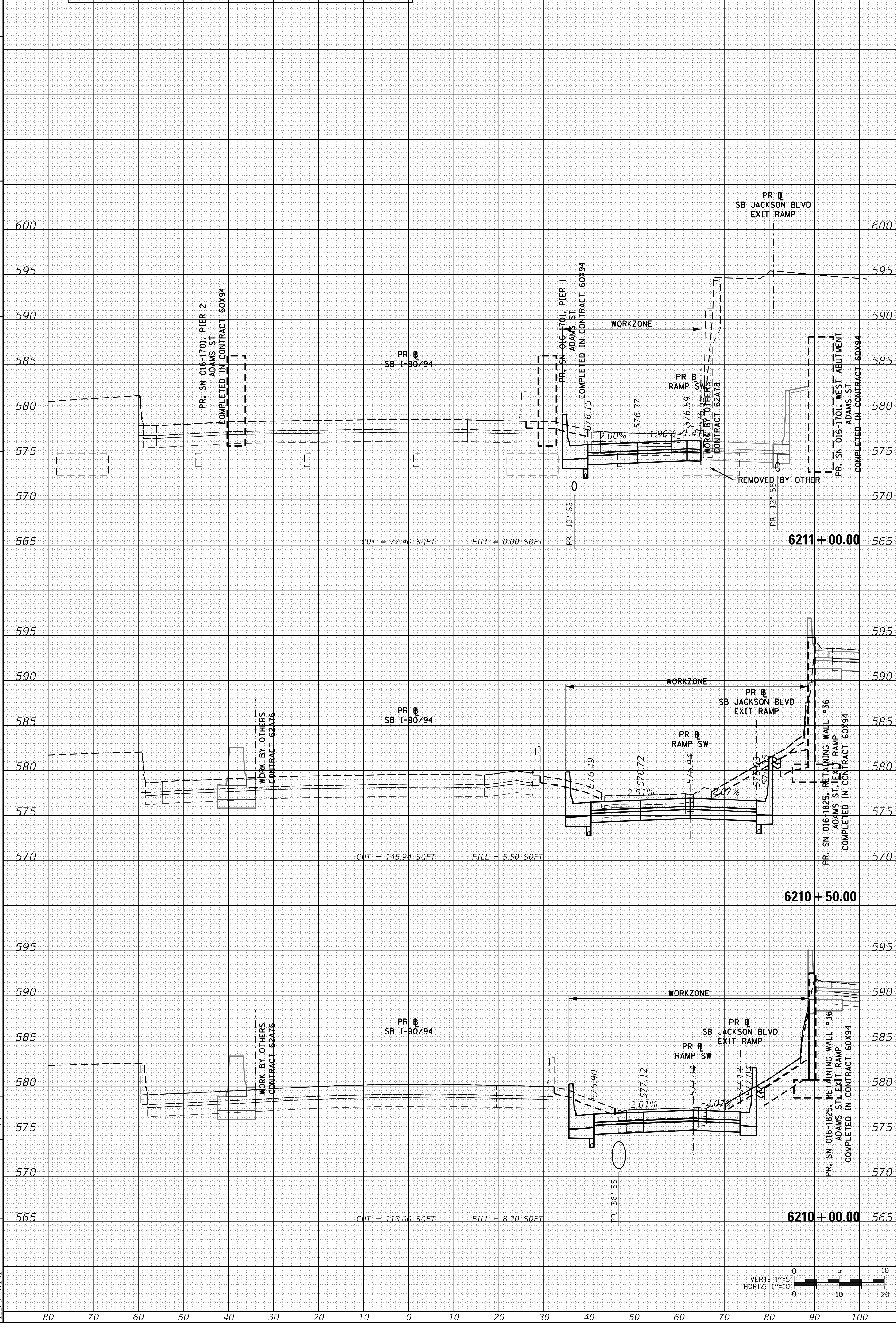
ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILE PATH = pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\62A77 Contract\D162A77-SHT-XS-SB_STG1A.dgn

NOTES:

EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

D162A77-SHT-XS-SB_STG1A.dgn
USER NAME = andy.becker
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 1/3/2020

DESIGNED	-	SDH	REVISED	-
DRAWN	-	SDH	REVISED	-
CHECKED	-	MJE	REVISED	-
DATE	-	1/29/2019	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SB I-90/94 MAINLINE - STAGE 1A

SCALE: 1:5V, 1:10H | SHEET 7 OF 49 SHEETS | STA. 6210+00.00 TO STA. 6211+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R		1360	992
		CONTRACT NO. 62A77		
ILLINOIS	FED. AID PROJECT			

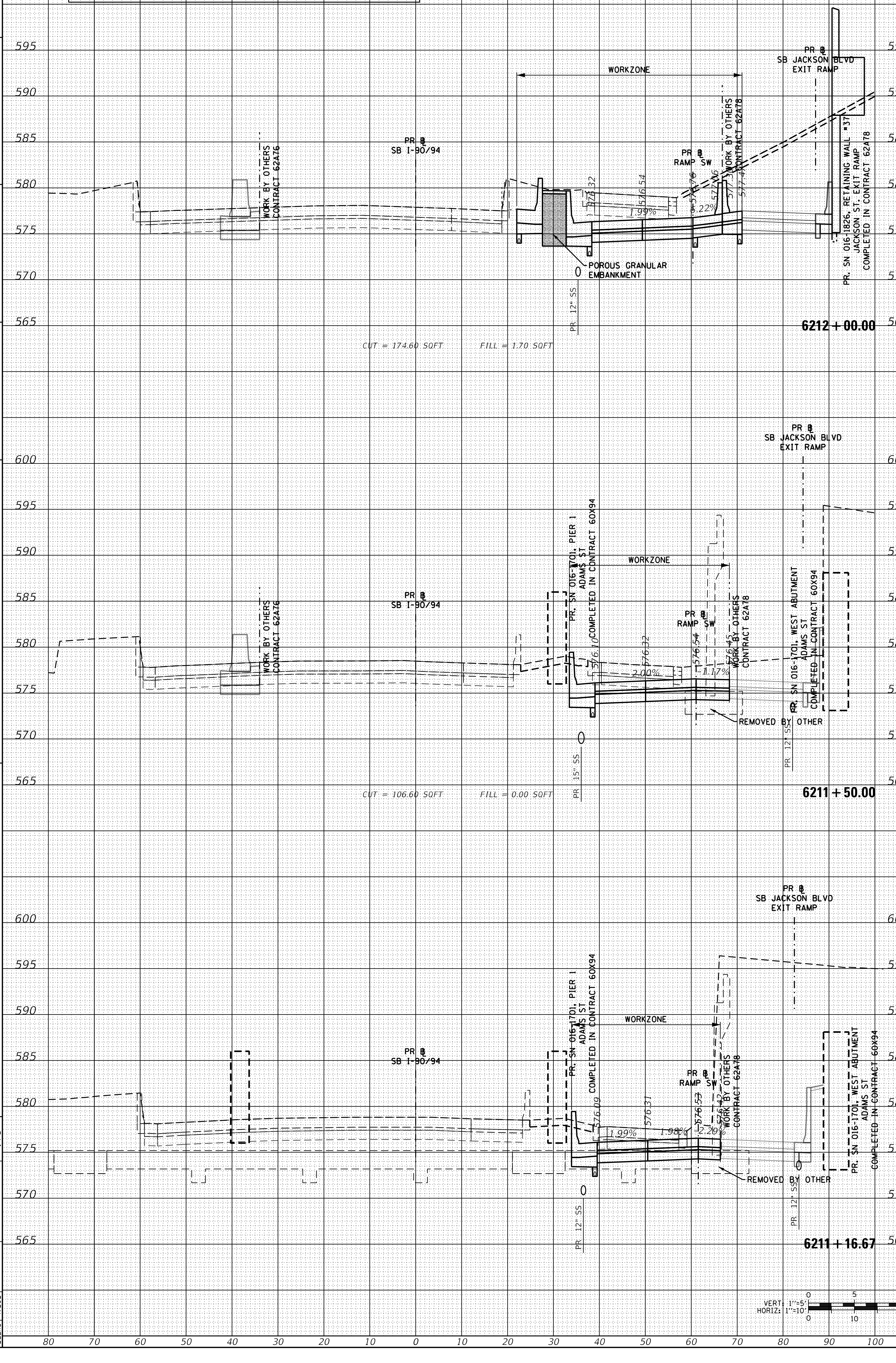
ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILE PATH = pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\62A77 Contract\D162A77-SHT-XS-SB_STG1A.dgn

NOTES:

EXISTING UTILTIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

D162A77-SHT-XS-SB_STG1A.dgn
USER NAME = andy.becker
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 1/31/2020

DESIGNED	-	SDH	REVISED	-
DRAWN	-	SDH	REVISED	-
CHECKED	-	MJE	REVISED	-
DATE	-	1/29/2019	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SB I-90/94 MAINLINE - STAGE 1A

SCALE: 1:5V, 1:10H | SHEET 8 OF 49 SHEETS | STA. 6211+16.67 TO STA. 6212+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R		1360	993
		CONTRACT NO. 62A77		
ILLINOIS	FED. AID PROJECT			

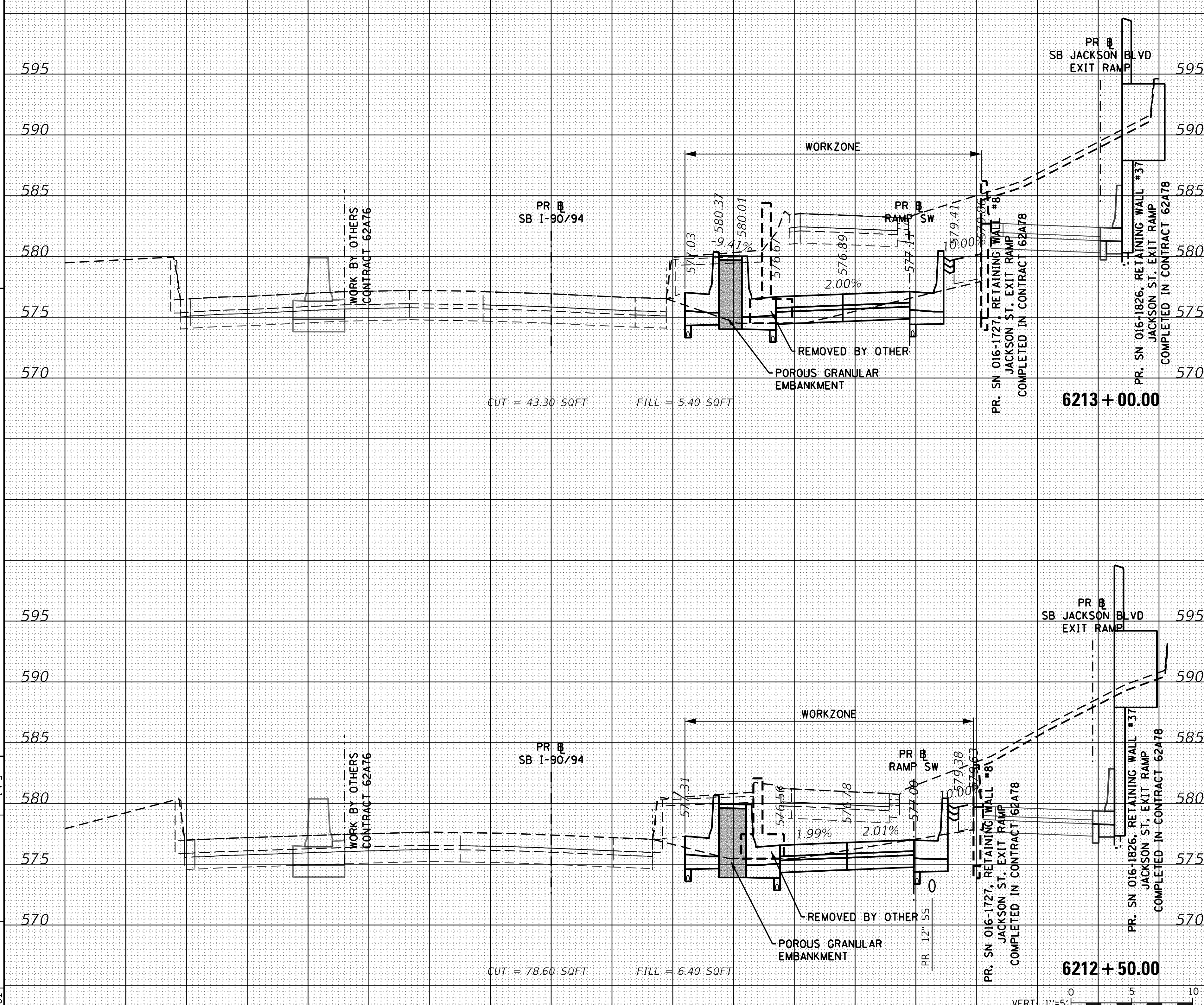
ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILE PATH = pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\62A77 Contract\D162A77-SHT-XS-SB_STG1A.dgn

NOTES:

EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

D162A77-SHT-XS-SB_STG1A.dgn
USER NAME = andy.becker
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 1/3/2020

DESIGNED - SDH
DRAWN - SDH
CHECKED - MJE
DATE - 1/29/2019

REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SB I-90/94 MAINLINE - STAGE 1A

SCALE: 1:5V, 1:10H | SHEET 9 OF 49 SHEETS | STA. 6212+50.00 TO STA. 6213+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	994

ILLINOIS FED. AID PROJECT
CONTRACT NO. 62A77

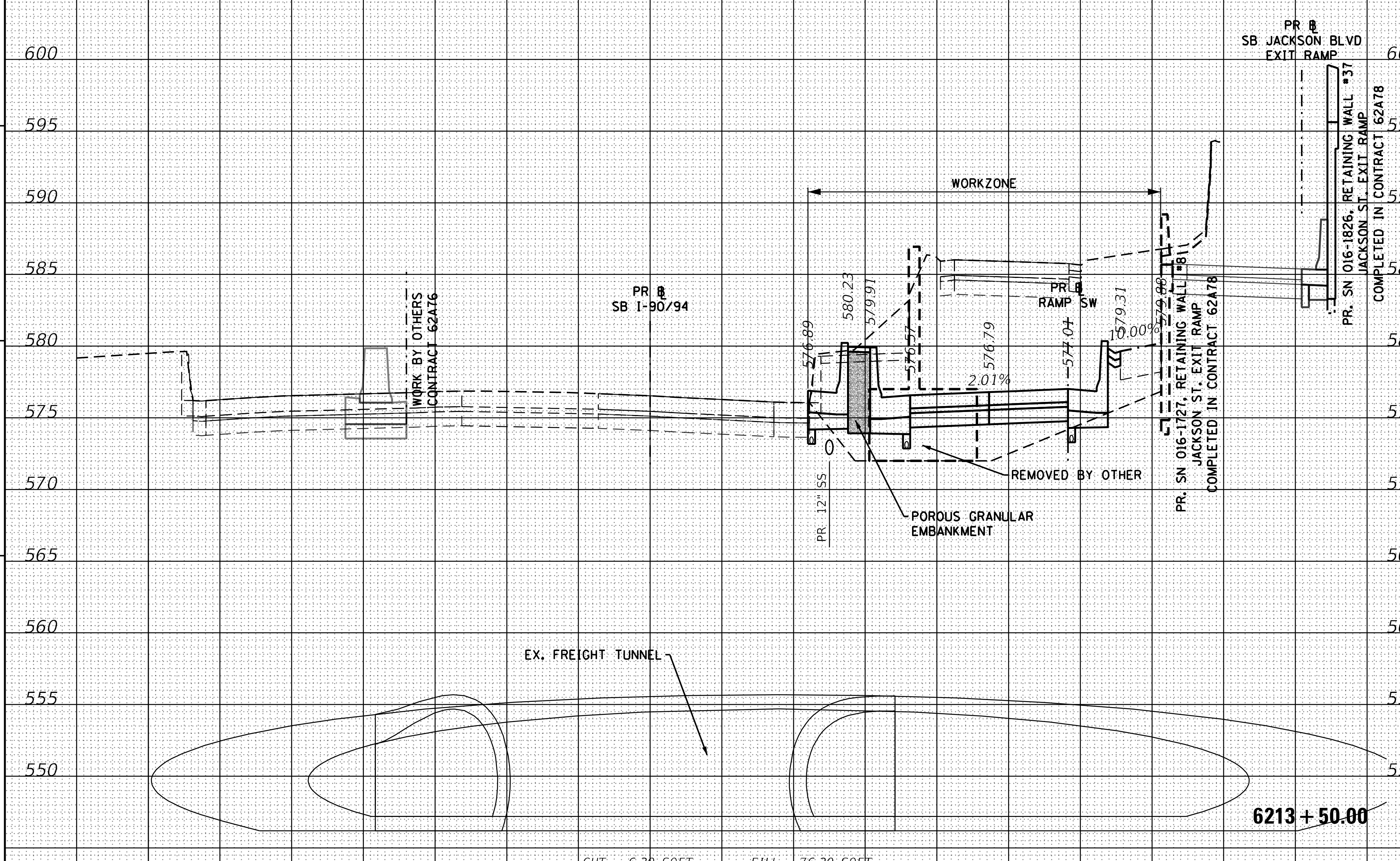
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

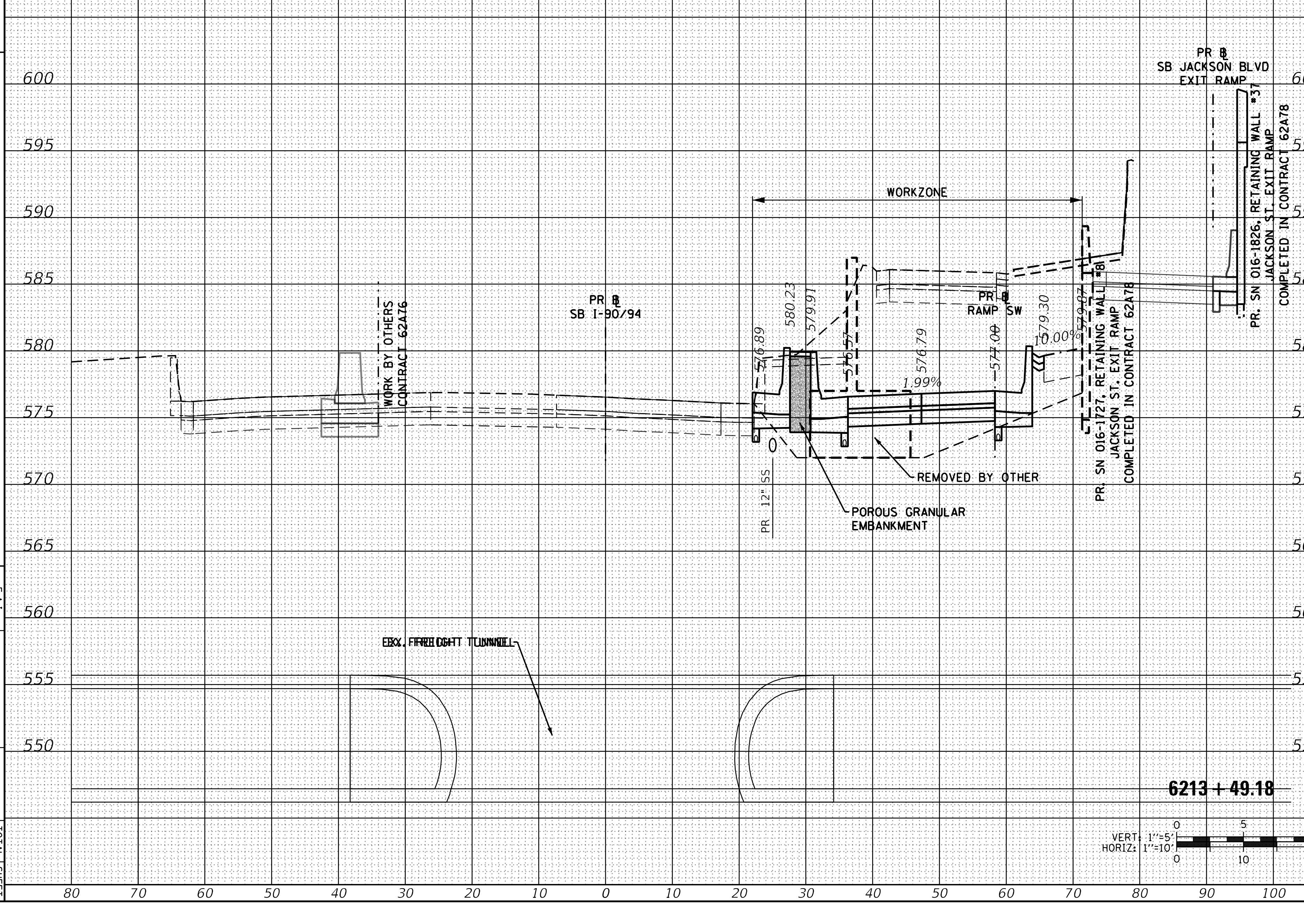
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

FILE PATH = pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\62A77 Contract\D162A77-SHT-XS-SB_STG1A.dgn

NOTES:

EXISTING UTILTIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.





AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

D162A77-SHT-XS-SB_STG1A.dgn
USER NAME = andy.becker
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 1/3/2020

DESIGNED - SDH	REVISED -
DRAWN -	REVISED -
CHECKED - MJE	REVISED -
DATE - 1/29/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SB I-90/94 MAINLINE - STAGE 1A

SCALE: 1:5V, 1:10H | SHEET 10 OF 49 SHEETS | STA. 6213+49.18 TO STA. 6213+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R		1360	995

CONTRACT NO. 62A77
ILLINOIS | FED. AID PROJECT

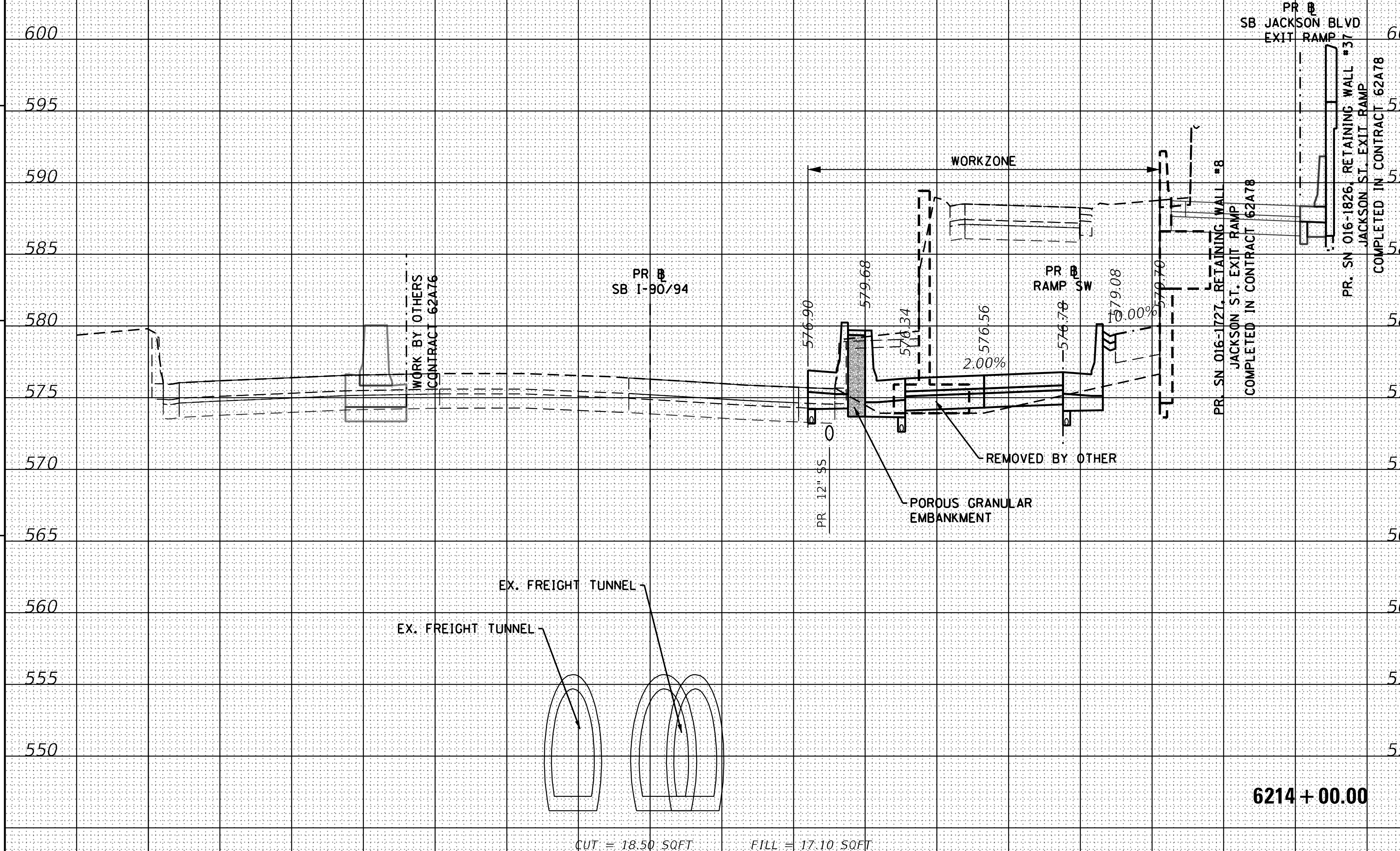
ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

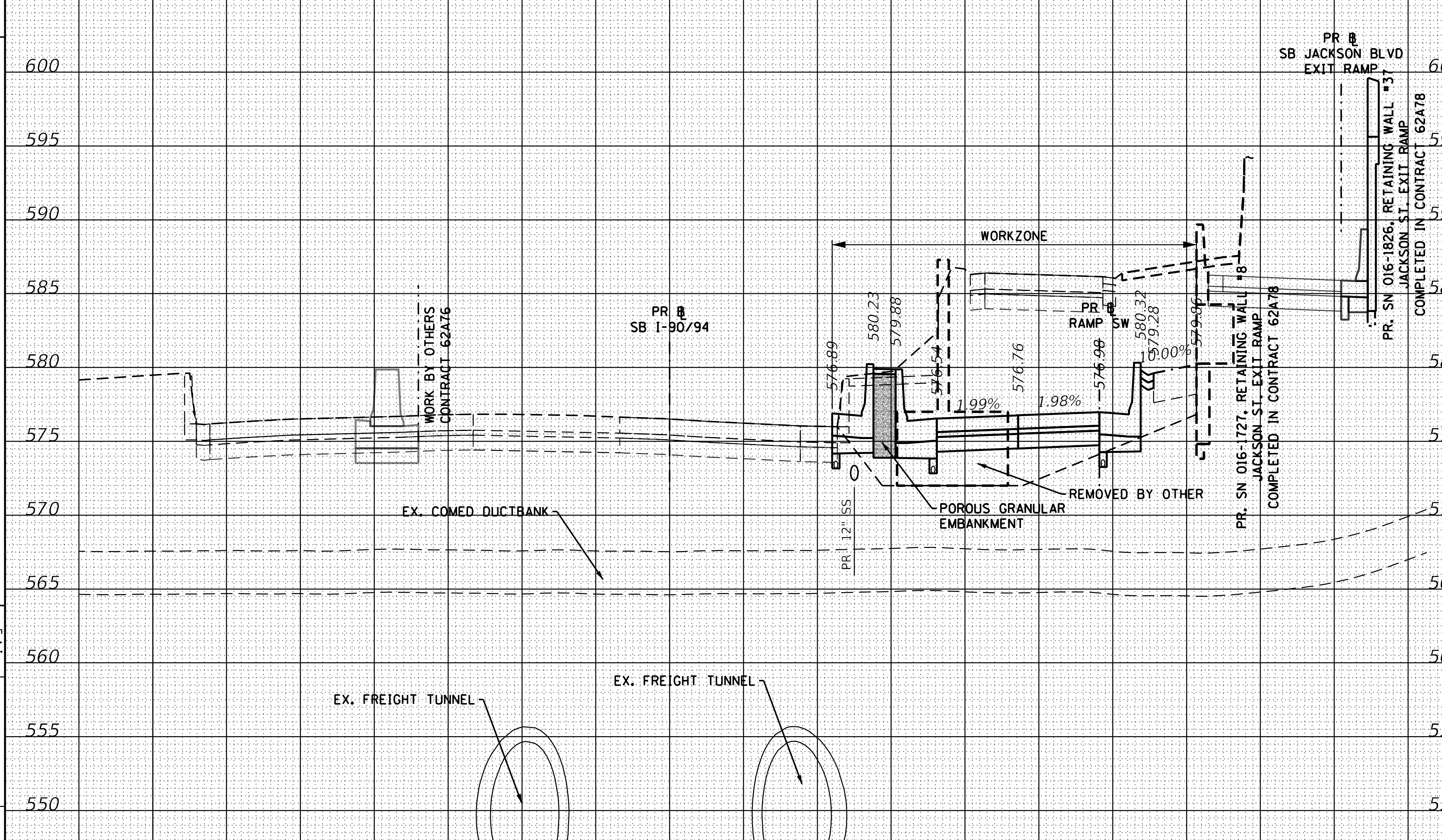
FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILE PATH = pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\62A77 Contract\D162A77-SHT-XS-SB_STG1A.dgn

NOTES:

EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.





AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

D162A77-SHT-XS-SB_STG1A.dgn
USER NAME = andy.becker
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 1/3/2020

DESIGNED - SDH
DRAWN - SDH
CHECKED - MJE
DATE - 1/29/2019

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SB I-90/94 MAINLINE - STAGE 1A

SCALE: 1:5V, 1:10H | SHEET 11 OF 49 SHEETS | STA. 6213+55.94 TO STA. 6214+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R		1360	996

ILLINOIS | FED. AID PROJECT

CONTRACT NO. 62A77

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILE PATH = pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\62A77 Contract\D162A77-SHT-XS-SB_STG1A.dgn

AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

D162A77-SHT-XS-SB_STG1A.dgn
USER NAME = andy.becker
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 1/3/2020

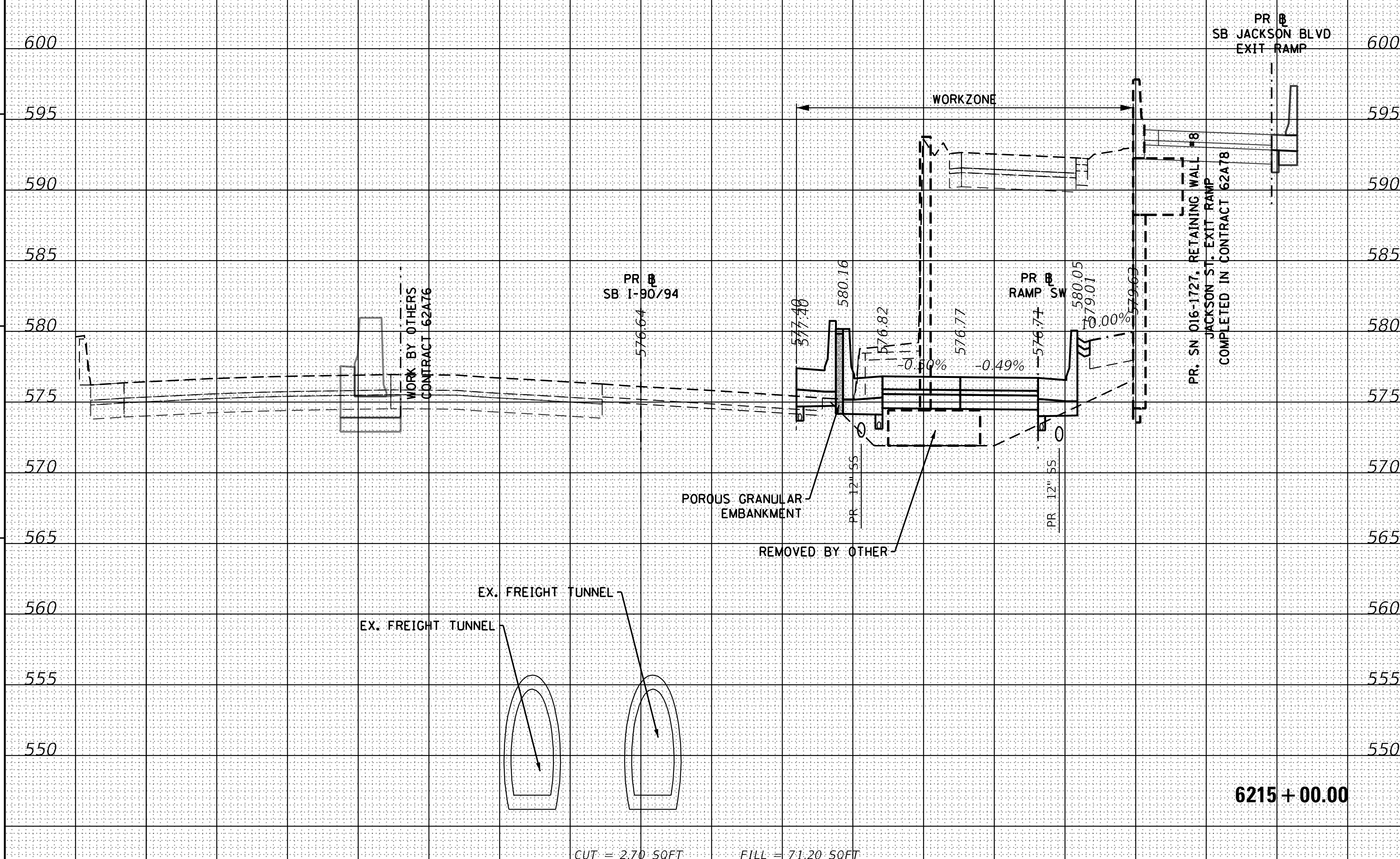
DESIGNED - SDH
DRAWN - SDH
CHECKED - MJE
DATE - 1/29/2019

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

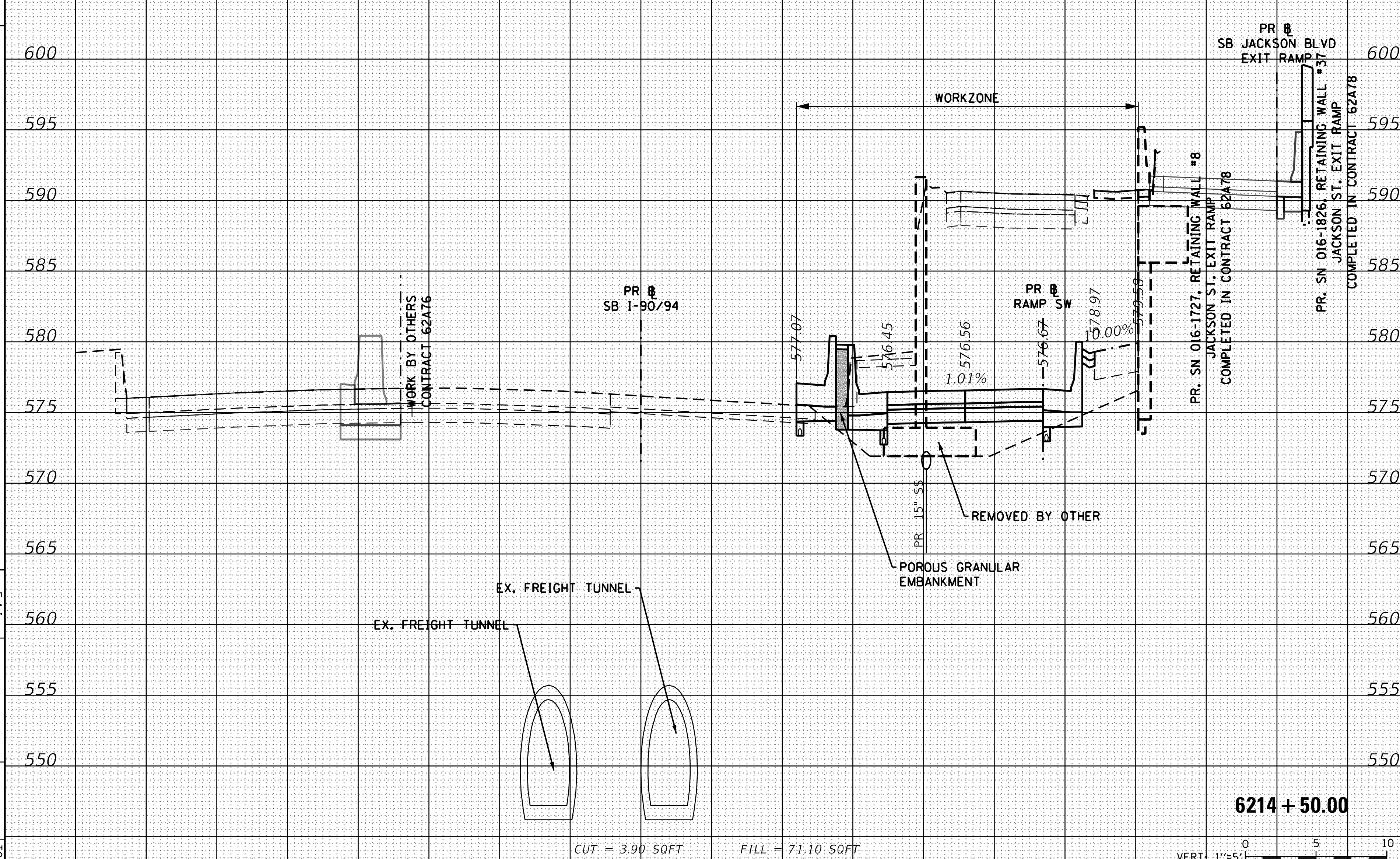
NOTES:

EXISTING UTILTIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



6215 + 00.00

CUT = 2.70 SQFT FILL = 71.20 SQFT



6214 + 50.00

CUT = 3.90 SQFT FILL = 71.10 SQFT

VERT: 1"=5' HORIZ: 1"=10'

CROSS SECTIONS
SB I-90/94 MAINLINE - STAGE 1A

SCALE: 1:5V, 1:10H | SHEET 12 OF 49 SHEETS | STA. 6214+50.00 TO STA. 6215+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R		1360	997
			CONTRACT NO. 62A77	
ILLINOIS	FED. AID PROJECT			

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
NO.	AREAS		
	AREAS CHECKED		

FILE PATH = pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\62A77 Contract\D162A77-SHT-XS-SB_STG1A.dgn

AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

D162A77-SHT-XS-SB_STG1A.dgn
USER NAME = andy.becker
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 1/3/2020

DESIGNED - SDH	REVISED -
DRAWN - SDH	REVISED -
CHECKED - MJE	REVISED -
DATE - 1/29/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

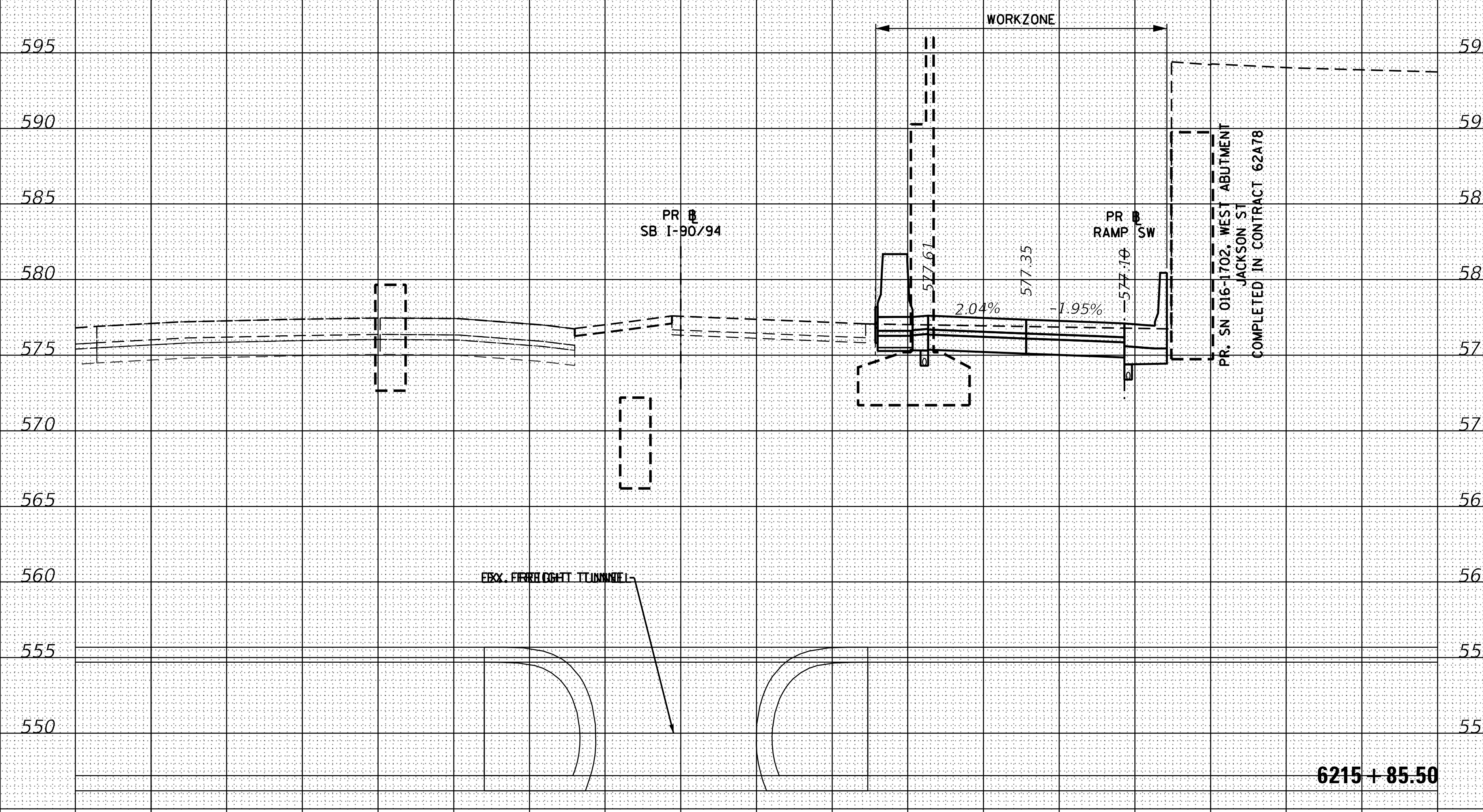
CROSS SECTIONS
SB I-90/94 MAINLINE - STAGE 1A

SCALE: 1:5V, 1:10H | SHEET 13 OF 49 SHEETS | STA. 6215+50.00 TO STA. 6215+85.50

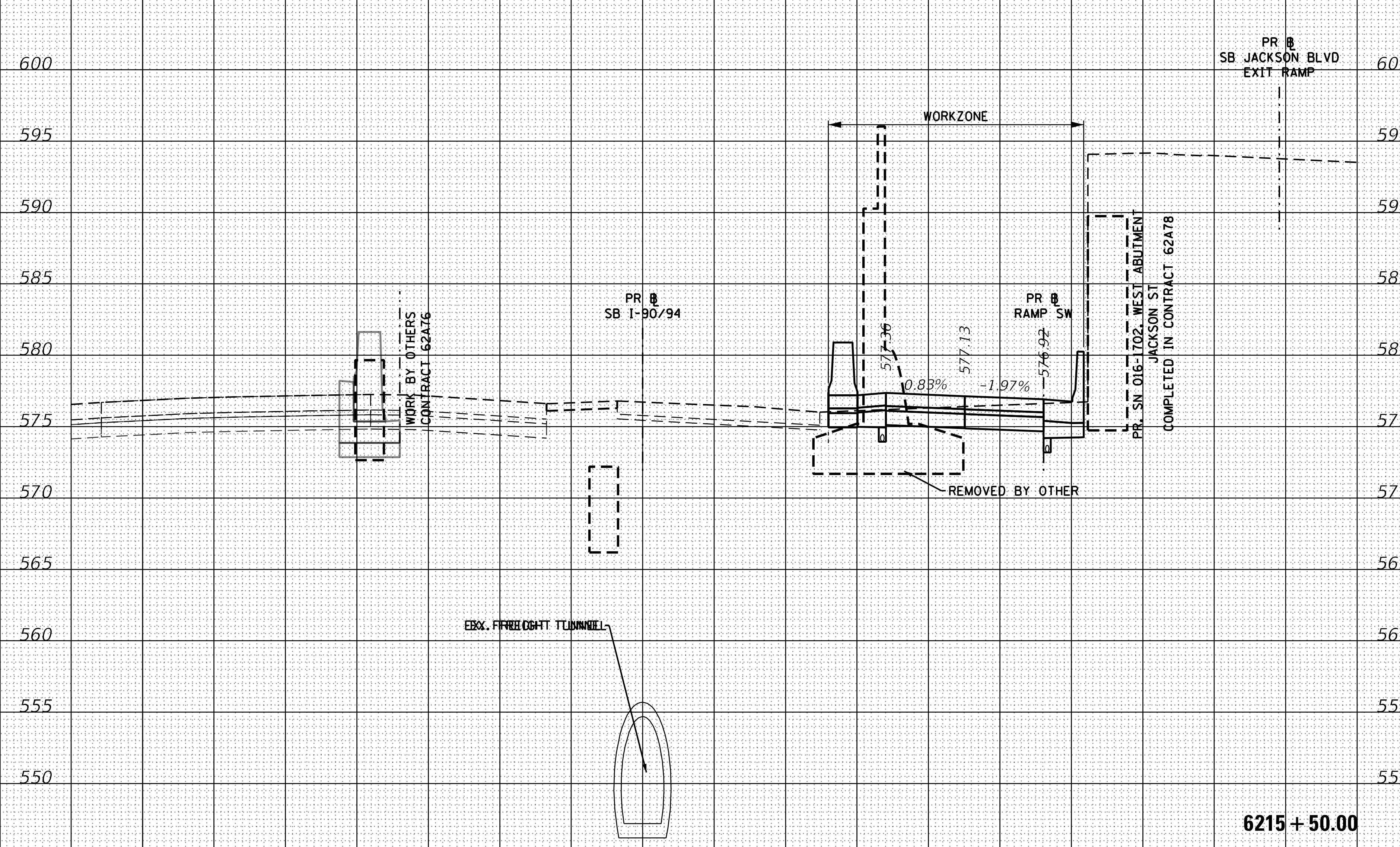
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R		1360	998
		CONTRACT NO. 62A77		
ILLINOIS	FED. AID PROJECT			

NOTES:

EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



6215 + 85.50



6215 + 50.00

CUT = 58.70 SQFT FILL = 0.00 SQFT

VERT: 1"=5' HORIZ: 1"=10' (0 5 10 / 0 10 20)

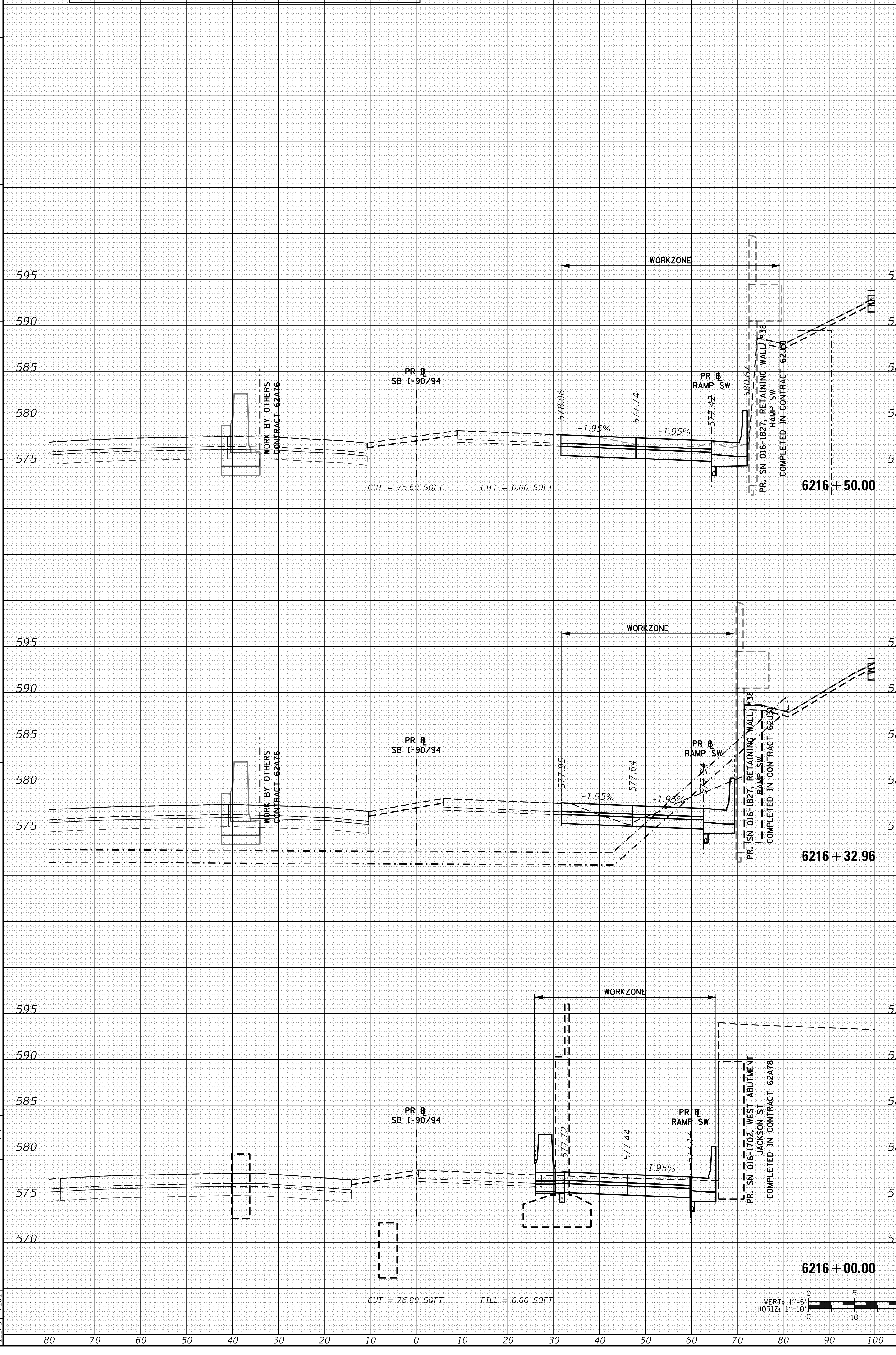
ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILE PATH = pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\62A77 Contract\D162A77-SHT-XS-SB_STG1A.dgn

NOTES:

EXISTING UTILITIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

D162A77-SHT-XS-SB_STG1A.dgn
USER NAME = andy.becker
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 1/3/2020

DESIGNED - SDH
DRAWN - SDH
CHECKED - MJE
DATE - 1/29/2019

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SB I-90/94 MAINLINE - STAGE 1A

SCALE: 1:5V, 1:10H | SHEET 14 OF 49 SHEETS | STA. 6216+00.00 TO STA. 6216+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R		1360	999

ILLINOIS FED. AID PROJECT
CONTRACT NO. 62A77

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

FILE PATH = pw:\\AECOM-NA-AWS1.aecomonline.local:AECOM_DS02_NA\Documents\01 Americas\Transportation\60269938 Circle\Phase_II\000_CAD\006_Roadway\Sheets\62A77 Contract\D162A77-SHT-XS-SB_STG1A.dgn

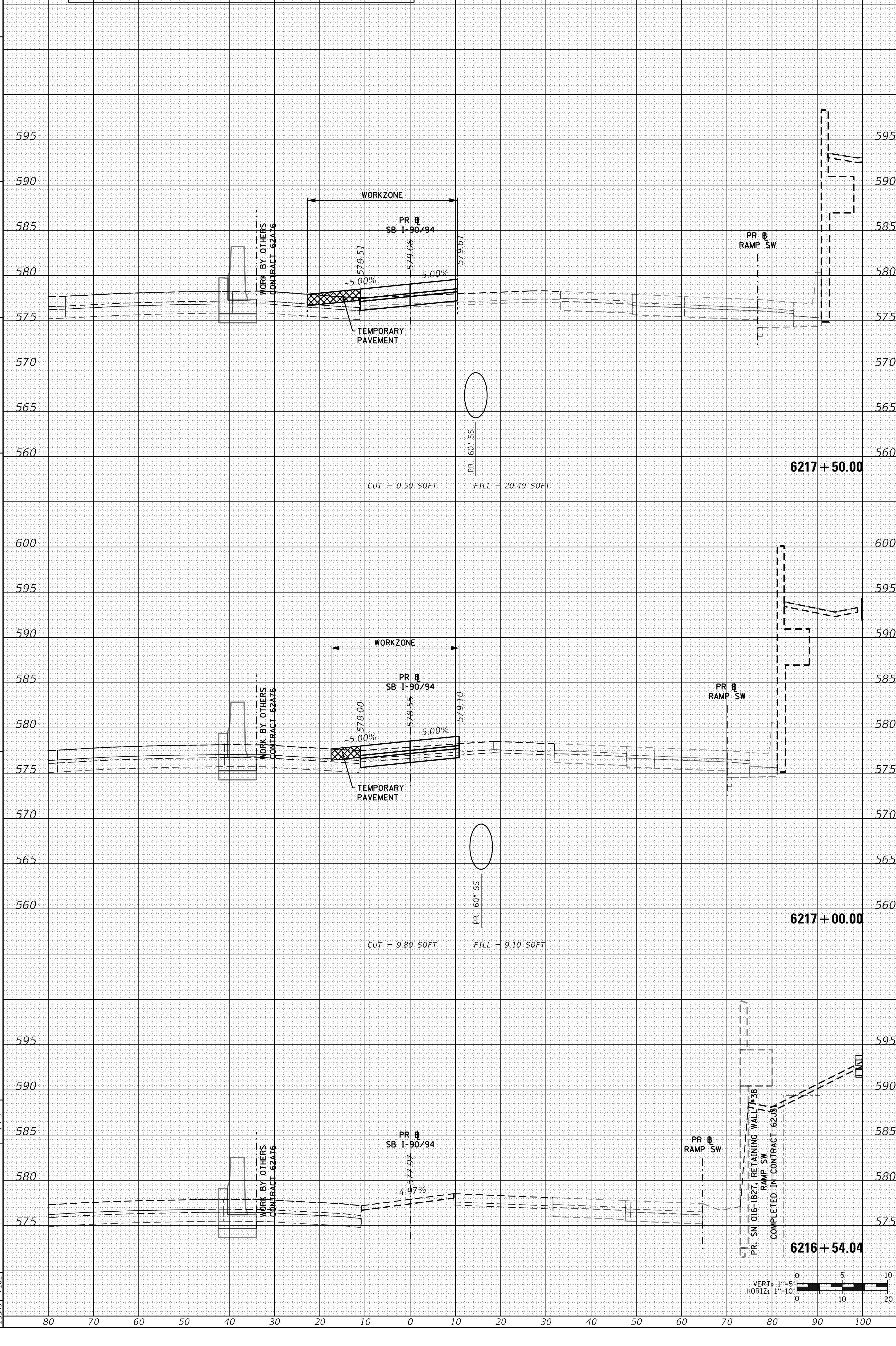
AECOM
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-7700 FAX: (312) 373-6800

D162A77-SHT-XS-SB_STG1A.dgn
USER NAME = andy.becker
PLOT SCALE = 20.0000 ' / in.
PLOT DATE = 1/3/2020

DESIGNED - SDH	REVISED -
DRAWN - SDH	REVISED -
CHECKED - MJE	REVISED -
DATE - 1/29/2019	REVISED -

NOTES:

EXISTING UTILTIES SHOWN ARE BASED UPON SUE LOCATE INFORMATION. DEPTHS OF UTILITIES ARE BASED UPON ASSUMED DEPTHS OR RECORD INFORMATION IF AVAILABLE. EXTENTS OF UNDERGROUND STRUCTURES ARE ESTIMATED UPON UTILITY ATLAS INFORMATION. EXISTING AND PROPOSED SEWER IS SHOWN BASED UPON SURVEY DATA, ATLAS INFORMATION AND THE PROPOSED PLANS.



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
SB I-90/94 MAINLINE - STAGE 1A

SCALE: 1:5V, 1:10H | SHEET 15 OF 49 SHEETS | STA. 6216+54.04 TO STA. 6217+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R		1360	1000
		CONTRACT NO. 62A77		
ILLINOIS	FED. AID PROJECT			