

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:

Field Units

$f_c = 3,500$  p.s.i.

$f_y = 60,000$  p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specifications.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.

All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W\*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.

The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

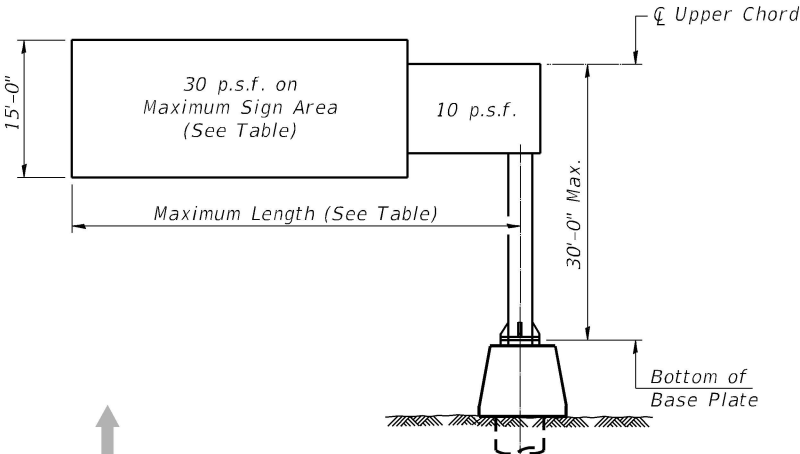
FOUNDATIONS: The contract unit price for Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE I-C-A	Foot	
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE II-C-A	Foot	
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE III-C-A	Foot	40
OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	Foot	
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	15.4

Structure Number	Station	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	Ds	Total Sign Area
1C022S064R000.0-002	1795+42	III	40'-0"	681.95	6'-2"	6'-0"	120 sf

Truss Type	Maximum Sign Area	Maximum Length
I-C-A	170 Sq. Ft.	25 Ft.
II-C-A	340 Sq. Ft.	30 Ft.
III-C-A	400 Sq. Ft.	40 Ft.



DESIGN WIND LOADING DIAGRAM

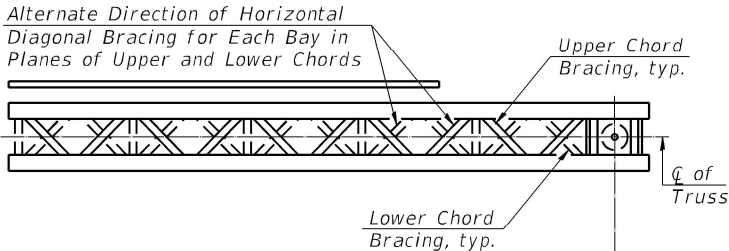
Parameters shown are basis for I.D.O.T. Standards  
Installations not within dimensional limits shown  
require special analysis for all components.

Note:

Trusses shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The contractor is responsible for maintaining the configuration and protection of the trusses.

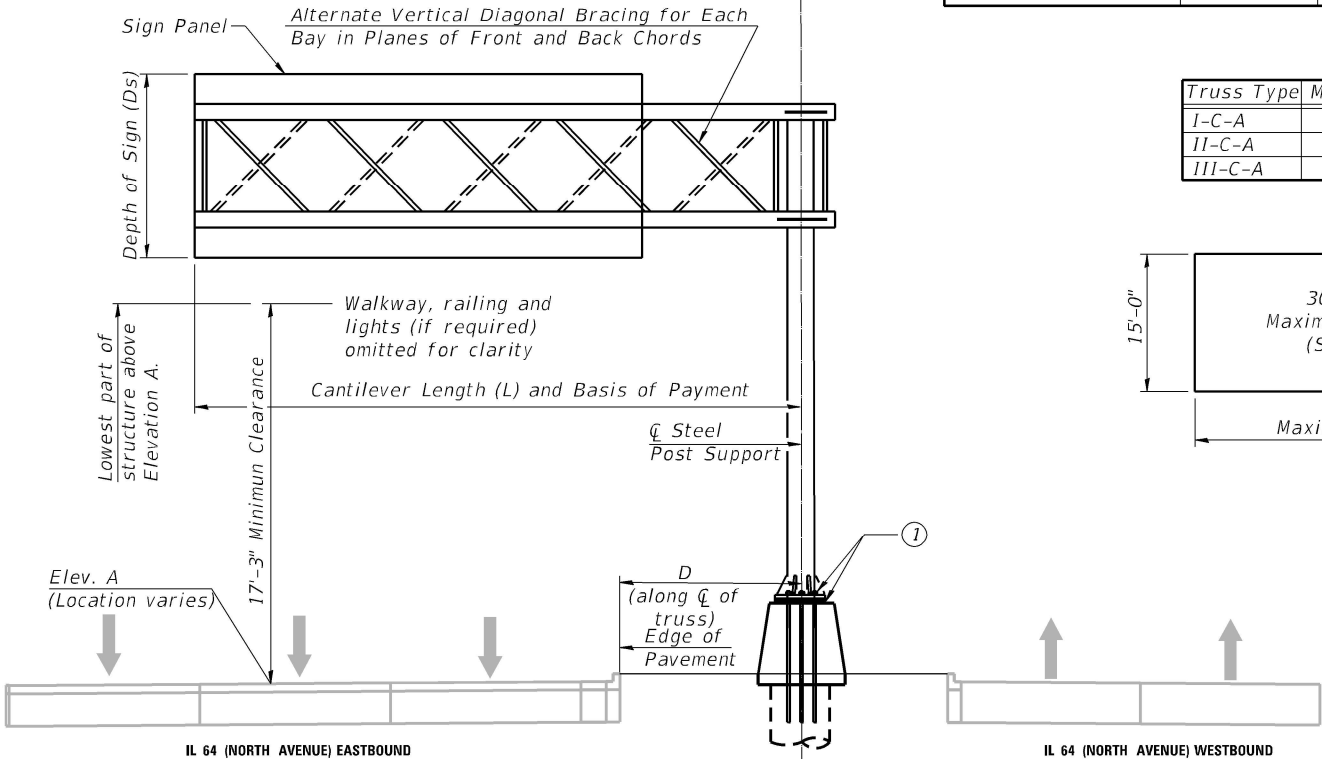
- ① After adjustments to level truss and insure adequate vertical clearance, all top and leveling nuts shall be tightened against the base plate with a minimum torque of 200 lb.-ft. Stainless steel mesh shall then be placed around the perimeter of the base plate. Secure to base plate with stainless steel banding.

\* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.



TYPICAL PLAN

(Walkway not shown)



Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

TYPICAL ELEVATION

Looking in Opposite Direction of Traffic

Sign support structures may be subject to damaging vibrations and oscillations when sign panels are not in place during erection or maintenance of the structure. To avoid these vibrations and oscillations, consideration should be given to attaching temporary blank sign panels to the structure.

MODEL: Default  
FILE: h:\bentley\project\p01\documents\01 Active Projects\MW-CIS-680950.00 - IL 64\Phase II\2 Design\CAD\Draw Sheets\ITSS\shp\DNS\West Corridor\010812141-r-and7 TSM.dgn

**TranSmart**  
100 S. Wacker Drive Suite 400  
Chicago, Illinois 60606

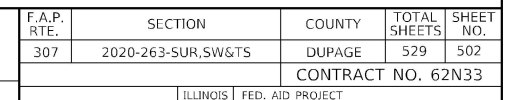
USER NAME = dmeier	DESIGNED - ZC	REVISED -
	DRAWN - ZC	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED - AS	REVISED -
PLOT DATE = 1/24/2025	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

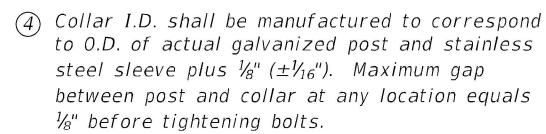
CANTILEVER SIGN STRUCTURE-GENERAL PLAN & ELEVATION  
IL 64 (NORTH AVE) SMART CORRIDOR

SCALE: N.T.S. SHEET 1 OF 7 SHEETS STA. N/A TO STA. N/A

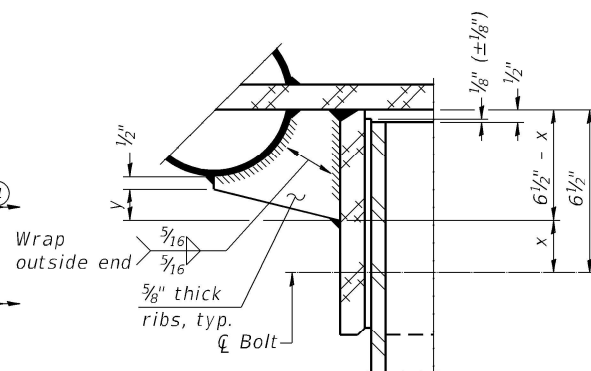
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR, SW&TS	DUPAGE	529	501
CONTRACT NO. 62N33				
ILLINOIS FED. AID PROJECT				



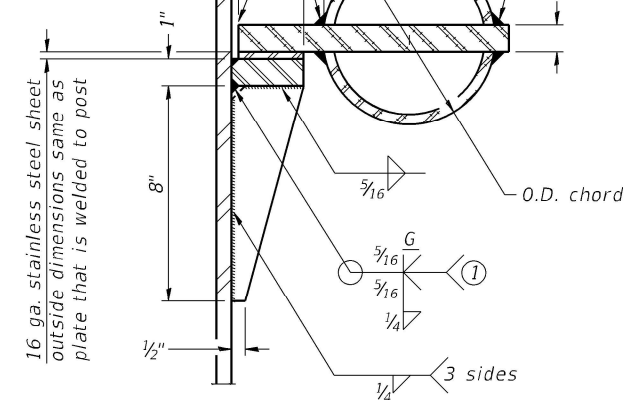
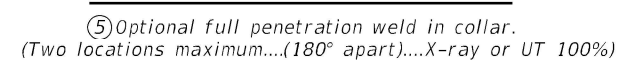




*Bolts, washers (including contoured washers), and locknuts shall be stainless steel.*



Two locations  
(For details not shown, see Detail C)



DETAIL C



Bolt Size	Contoured Washers	
	Hole Dia.	B
$\frac{7}{8}$ "	1"	$2\frac{1}{2}$ "
1"	$1\frac{1}{8}$ "	3"
$1\frac{1}{4}$ "	$1\frac{3}{8}$ "	$3\frac{1}{4}$ "

Weld to post after galvanizing.  
(Prepare post surface to insure  
tight, uniform fit and allow welding.)  
Welds to be  $1\frac{1}{2}$ " long at 6" cts.  
along top edge and at  $\frac{1}{4}$ " opening.

Truss Type	Post Size	Upper & Lower Connection Bolt Diameter ③	Lower Juncture Bolt Spacing Dimension "c" ③	Opening in Cap Plate "HH"	Collar Thickness (t)	Side Ribs	
						x	y
I-C-A	16" Ø (83#')'	7/8"	3 1/4"	8"	5/8"	1 3/4"	2 1/4"
II-C-A	24" Ø (125#')'	1"	3 1/2"	12"	7/8"	2"	1 1/4"
III-C-A (35' max.)	24" Ø (125#')'	1 1/4"	3 1/2"	12"	7/8"	2"	1"
III-C-A (>35' to 40')	24" Ø (171#')'	1 1/4"	3 1/2"	12"	7/8"	2"	1"

- ① Grind top if required to fully seat aluminum plate and stainless steel sheet.
- ② After tightening lower connection bolts, fill gap with non-hardening, silicone caulk suitable for exterior exposure and acceptable to the Engineer. Cost is included in Overhead Sign Structure Cantilever.
- ③ Upper and lower connection bolts in collar and bolts at lower chord connection shall be high strength with matching locknuts. Connection bolts shall have 2 stainless steel flat washers each.

SECTION A-A

SECTION B-B

DETAIL B

(Typical rib)

FRONT ELEVATION

For Foundation Details  
see Base Sheet OSC-A-9.

DETAIL A

✧ Bent bars may be butt welded top and bottom or bottom only. In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500µ in or less.

\* Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

[illegible]

Note: "H" based on 15'-0" or actual sign height, whichever is greater.

*SIDE ELEVATION*

For UT, grind top of  
rod square and smooth  
before galvanizing.

Utilize positioning plate and temporary nuts with leveling nuts or other Engineer approved methods to maintain anchor bolts' alignment during concrete placement. Plate, extra nuts and other positioning aids become Contractor's property. Cost included in Drilled Shaft Concrete Foundations.

\*\*\* 18" is minimum to be galvanized.  
Entire rod may be galvanized at  
Contractor's option.

*All Thread = NC  
(National Coarse)*

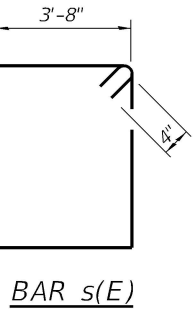
*Provide 1 nut per rod.  
Deform thread or use chemical  
thread lock to secure.*

ANCHOR ROD DETAIL

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize the upper 18" (minimum\*\*\*) and associated AASHTO M291, Grade A, C or DH heavy hex nuts and hardened washers per AASHTO M232. No welding shall be permitted on rods. Provide a nut at bottom, a hexagon locknut and washer above base plate and a leveling nut and washer below base plate. Nuts shall each be tightened with 200 lb.-ft. minimum torque against base plate. Before or after threading, but before galvanizing, each anchor rod shall be ultrasonically tested (UT) by a Level II or III inspector, qualified in accord with ANSI guidelines, to insure no rejectable flaws exist in the upper 18" (tension criteria). Cost of testing included in Drilled Shaft Concrete Foundations.

[illegible]

MODEL: Default



Pipe Support Frames	cc	M
24" Ø	2'-6"	5'-0"

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength ( $Q_u$ ) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

*If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.*

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

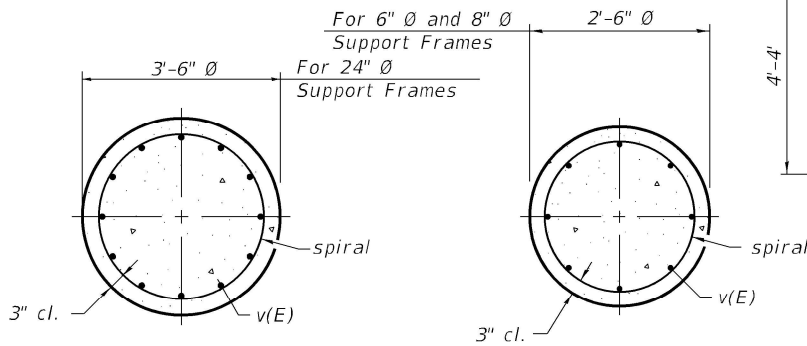
Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

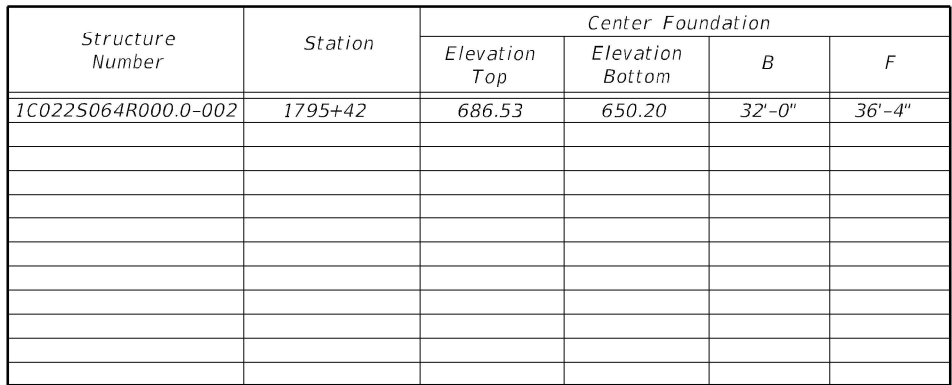
A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.

Bar	Number	Size	Length	Shape
h(E)	14	#4	4'-8"	—
s(E)	6	#5	15'-10"	□
v(E)	12	#9	35'-11"	—
#5(E) bar spiral. See Side Elevation				

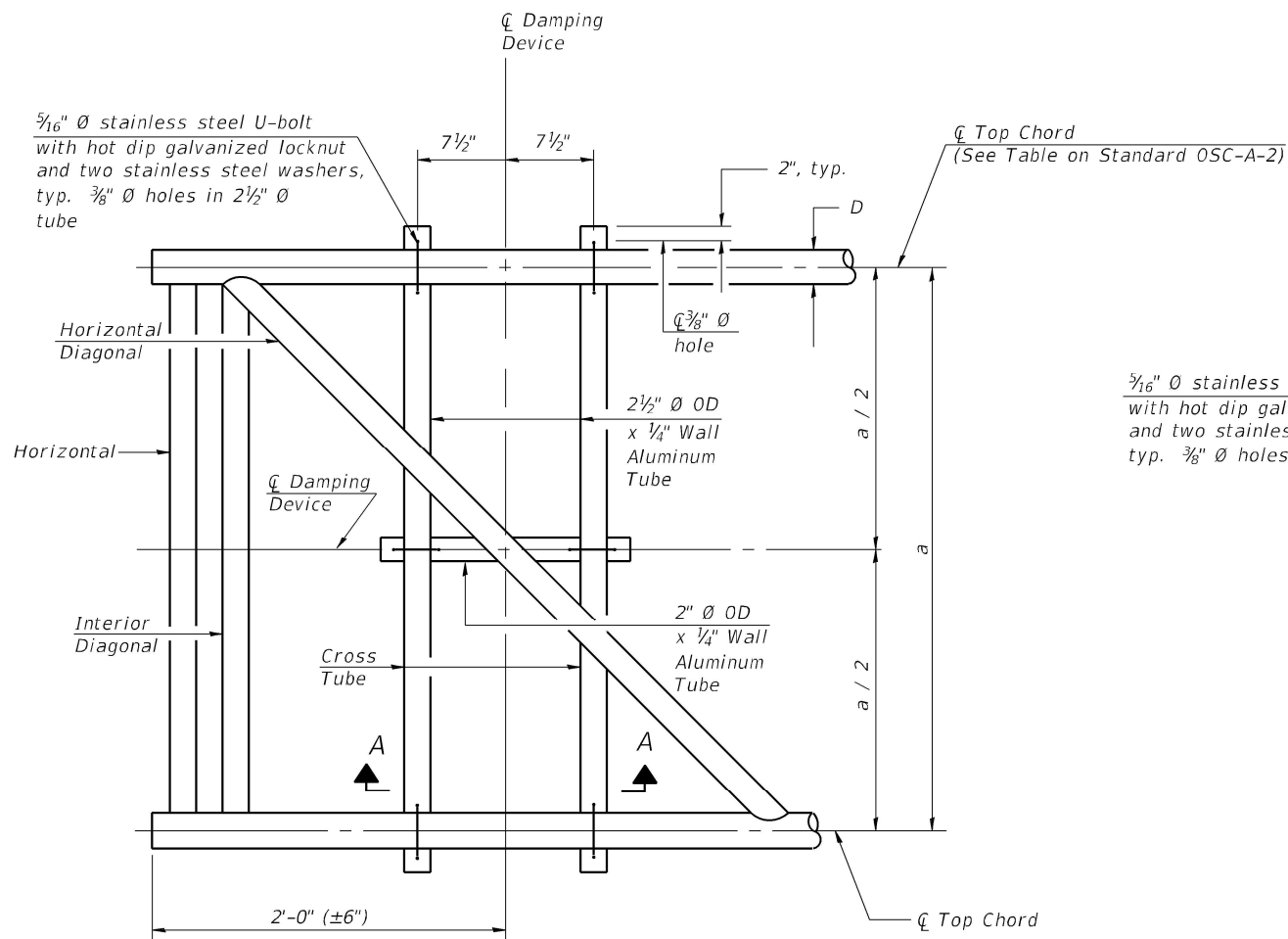
24" Ø  
Support Frame



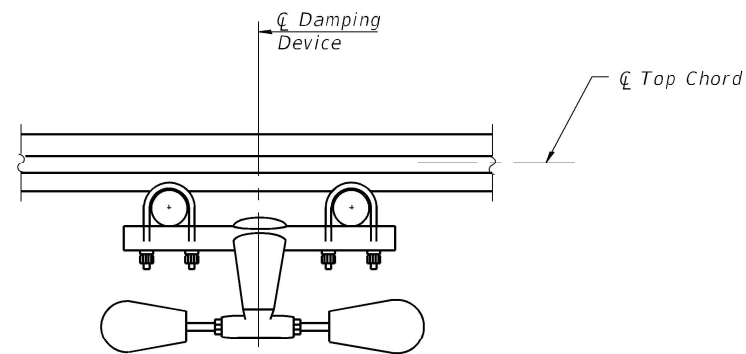
SECTION B-B



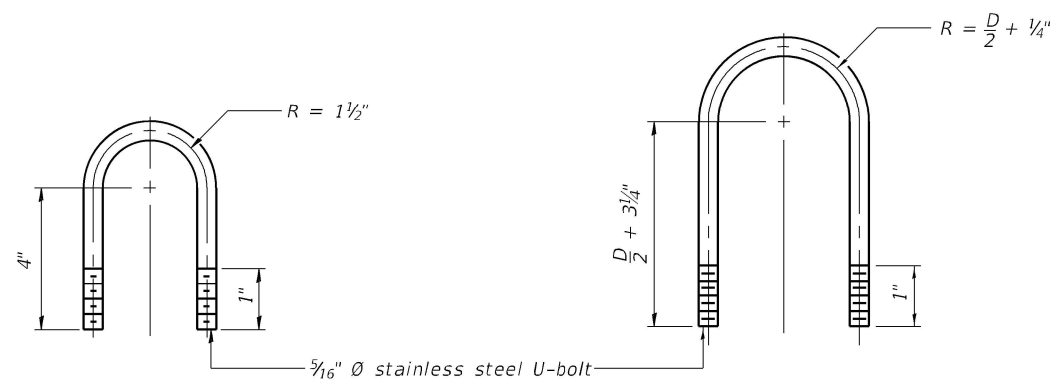
MODEL: Default  
FILE: SmartSign-2020-263-SUR-SW&TS-60606.dgn  
PROJECT: SmartSign-2020-263-SUR-SW&TS-60606.dgn  
ACTIVE: SmartSign-2020-263-SUR-SW&TS-60606.dgn  
SHEET: 7 OF 7  
DATE: 1/24/2025



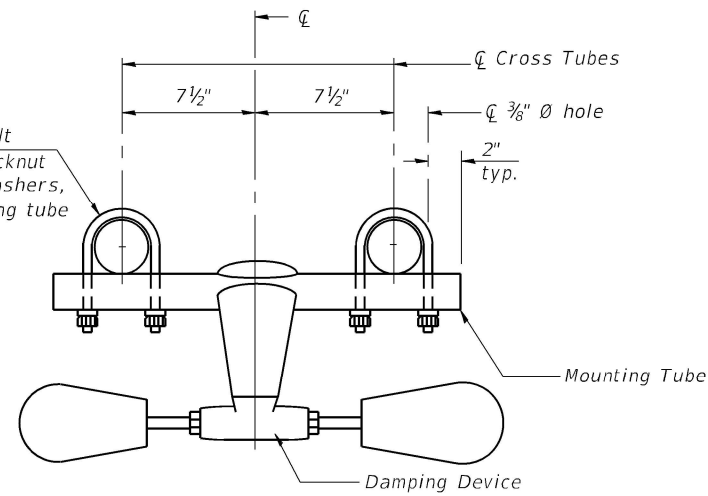
PLAN DETAIL



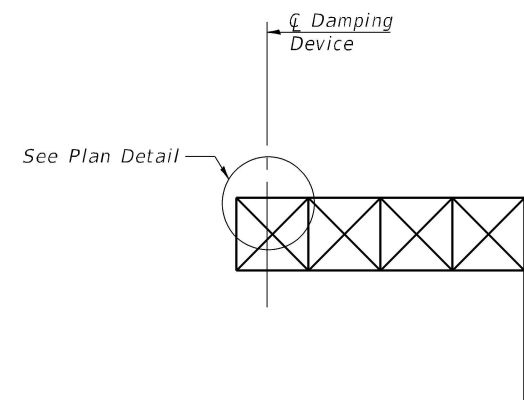
SECTION A-A



DAMPING DEVICE MOUNTING  
TUBE U-BOLT DETAIL  
(Typical)



TRUSS DAMPING  
DEVICE CONNECTION DETAIL



ELEVATION  
Aluminum Cantilever  
Sign Structure

GENERAL NOTES

- Damper: One damper per truss. (31 lbs. Stockbridge-Type Aluminum-29" minimum between ends of weights)
- Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6

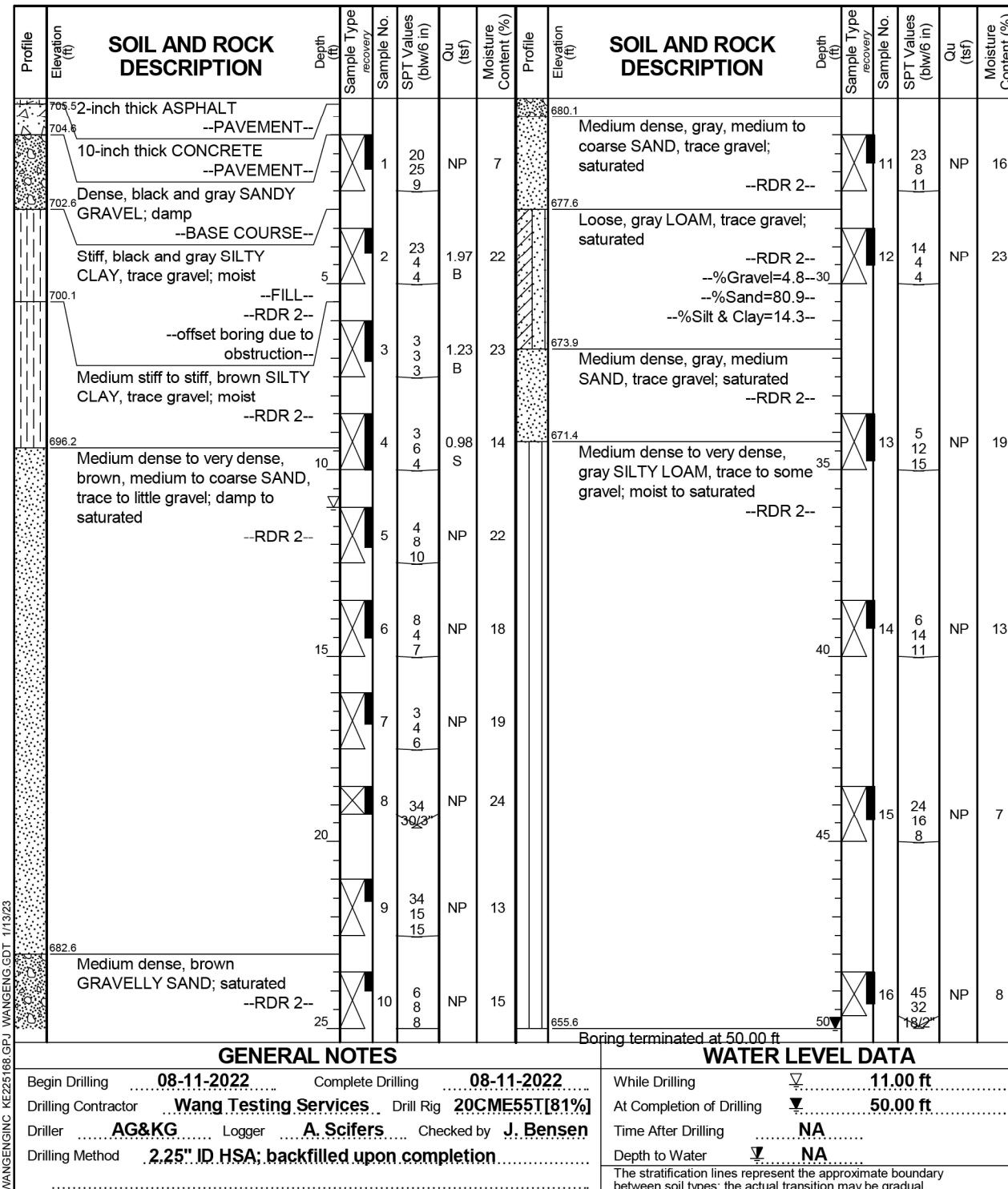


wangeng@wangeng.com  
1145 N Main Street  
Lombard, IL 60148  
Telephone: 630-953-9928  
Fax: 630-953-9928

**WEI Job No.: KE225168**

Client **Kimley-Horn and Associates, Inc.**  
Project **PTB 192-002, IL 64 Smart Corridor Implementation**  
Location **DuPage and Cook Counties, Illinois**

Datum: NAVD 88  
Elevation: 705.65 ft  
North: 1907649.18 ft  
East: 1062554.51 ft  
Station: NA  
Offset: NA



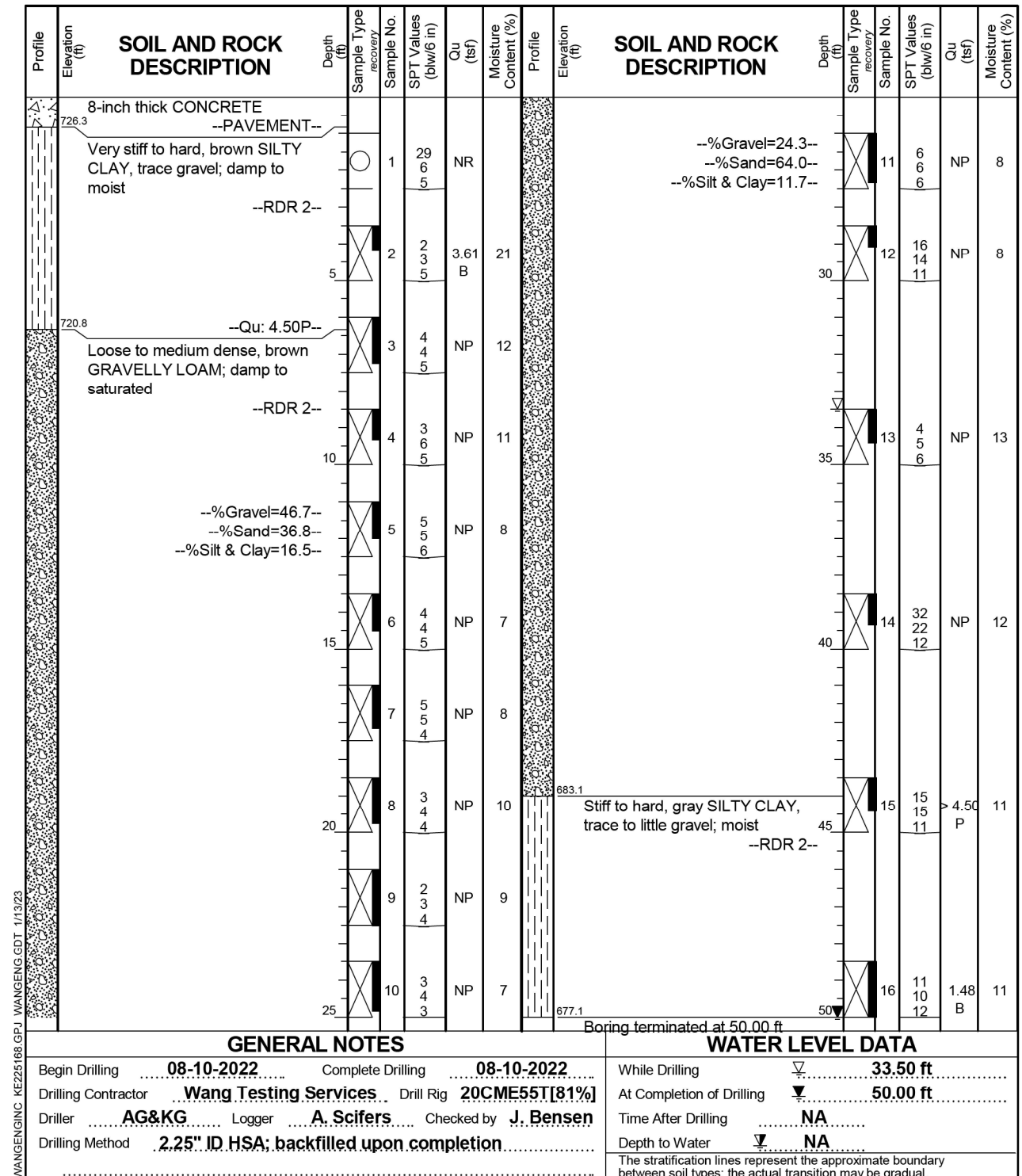
# BORING LOG DMS-02

wangeng@wangeng.com  
1145 N Main Street  
Lombard, IL 60148  
Telephone: 630-953-9928  
Fax: 630-953-9928

**WEI Job No.: KE225168**

Client **Kimley-Horn and Associates, Inc.**  
 Project **PTB 192-002, IL 64 Smart Corridor Implementation**  
 Location **DuPage and Cook Counties, Illinois**

Datum: NAVD 88  
Elevation: 727.12 ft  
North: 1907961.56 ft  
East: 1066762.22 ft  
Station: NA  
Offset: NA





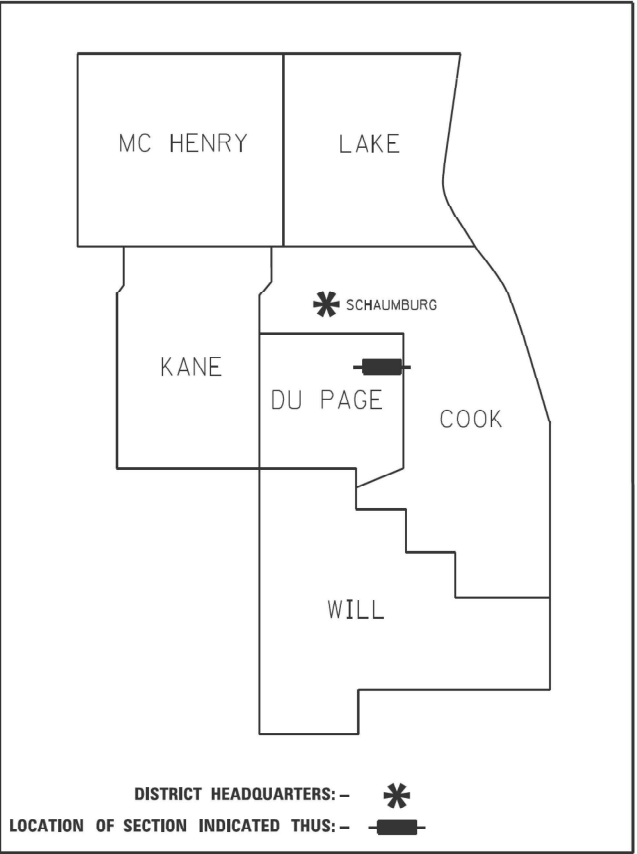
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR, SW&TS	DUPAGE	529	510
		ILLINOIS	CONTRACT NO. 62N33	

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
1NS0001	MOSAIC VILLA PARK, LLC.	2	I.D.O.T.
1NS0002	OXFORD BANK AND TRUST COMPANY AS TRUSTEE UNDER TRUST AGREEMENT DATED AUGUST 20, 1996 KNOWN AS TRUST NO. 493	3	I.D.O.T.

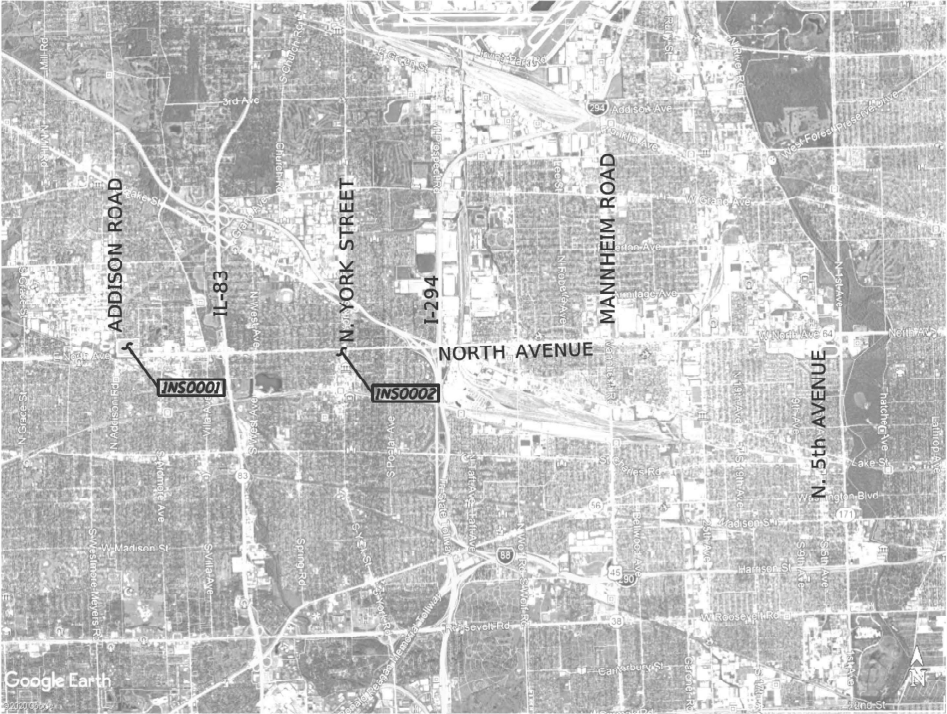
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

PLAT OF HIGHWAYS

ROUTE: IL 64 (NORTH AVENUE)  
SECTION:  
COUNTY: DUPAGE  
LIMITS: ADDISON RD. TO YORK ROAD  
JOB NO.: R-91-027-19



PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS



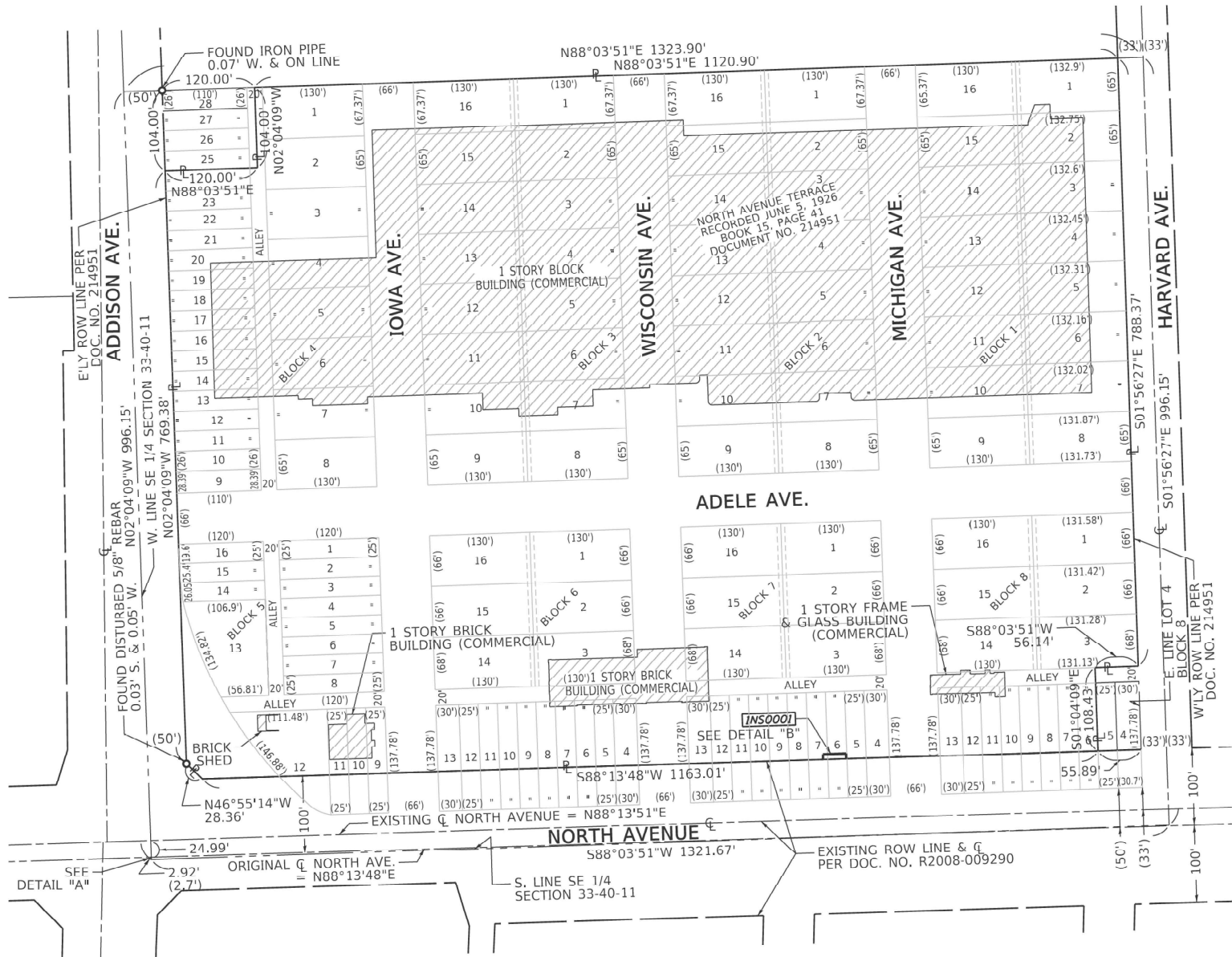
LOCATION MAP

RETURN ORIGINAL TO:  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER COURT  
SHAUMBURG ILLINOIS, 60169  
ATTN: BUREAU OF LAND ACQUISITION

APPROVED  
By William Wright at 1:35 pm, Apr 29, 2022

IDOT USE ONLY

PART OF THE SE 1/4 OF SECTION 33, TWP. 40 N., R. 11 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.



PROJECT COORDINATES  
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)

POINT NUMBER	NORTHING	EASTING
274	1,908,386.5214	1,079,092.3438
275	1,908,393.5180	1,079,092.1276
276	1,908,394.4446	1,079,122.1133
277	1,908,387.4480	1,079,122.3295

**LEGEND**

SECTION CORNER

QUARTER SECTION CORNER

N

GRAPHIC SCALE  
FEET  
0 100  
SCALE: 1" = 100'

	SECTION / QUARTER SECTION LINE
	PLATTED LOT LINES
	PROPERTY (DEED) LINE
	APPARENT PROPERTY LINE
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	EXISTING EASEMENT
	PROPOSED EASEMENT
	EXISTING ACCESS CONTROL LINE
	PROPOSED ACCESS CONTROL LINE
	MEASURED DIMENSION
	COMPUTED DIMENSION
	RECORDED DIMENSION
	EXISTING BUILDING

- BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.
- IRON PIPE OR ROD FOUND
  - ⊕ \*MAG\* NAIL SET
  - + CUT CROSS FOUND OR SET
  - 5/8" REBAR SET
  - STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
  - M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
  - ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
  - RIGHT OF WAY STAKING PROPOSED TO BE SET

**SURVEY NOTES:**

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99995569.
- AREAS SHOWN ON THIS PLAT ARE "GROUND".
- FIELD SURVEY COMPLETED ON FEBRUARY 2020.

STATE OF ILLINOIS )  
COUNTY OF )

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 33, TOWNSHIP 40 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF. THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT \_\_\_\_\_, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2022 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



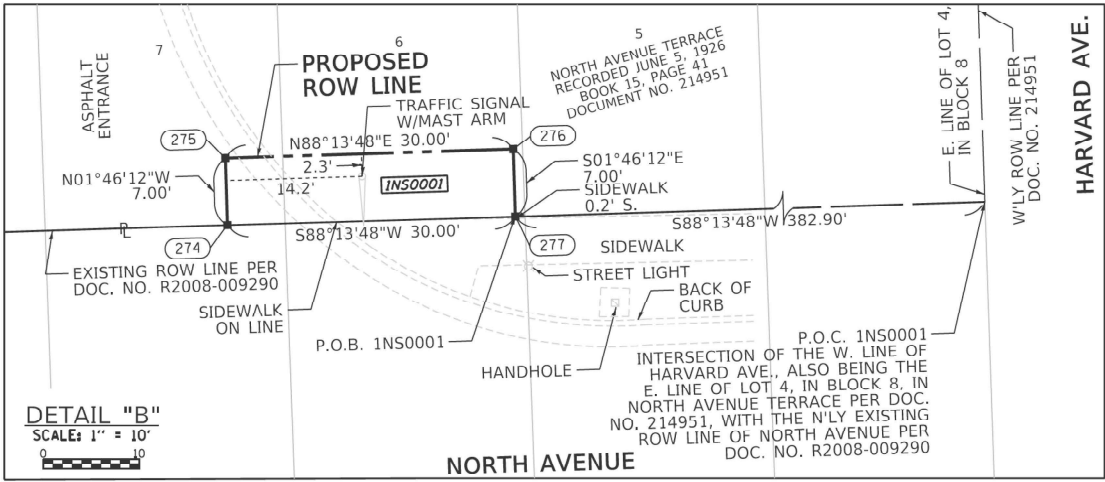
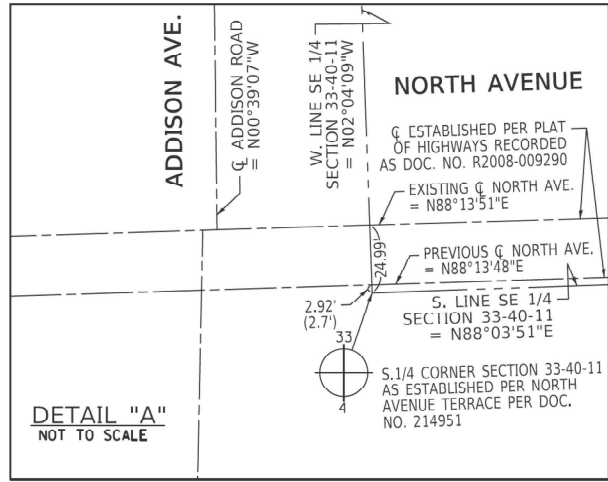
**CLAASSEN, WHITE & ASSOCIATES, P.C.**  
LAND SURVEYORS  
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431  
(815) 744-3720 claassenwhite@cwalandsurvey.com  
CWA Job #7199

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
NORTH AVENUE

LIMITS: ADDISON RD. TO YORK RD. COUNTY: DUPAGE  
SECTION: STA. TO STA. JOB NO: R-91-027-19  
SCALE: 1" = 100' SHEET 2 OF 3 SHEETS

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PARCEL INDEX NUMBER
INS0001	25.050	0.005 (210 SQ.FT.)		25.045		03-33-418-018



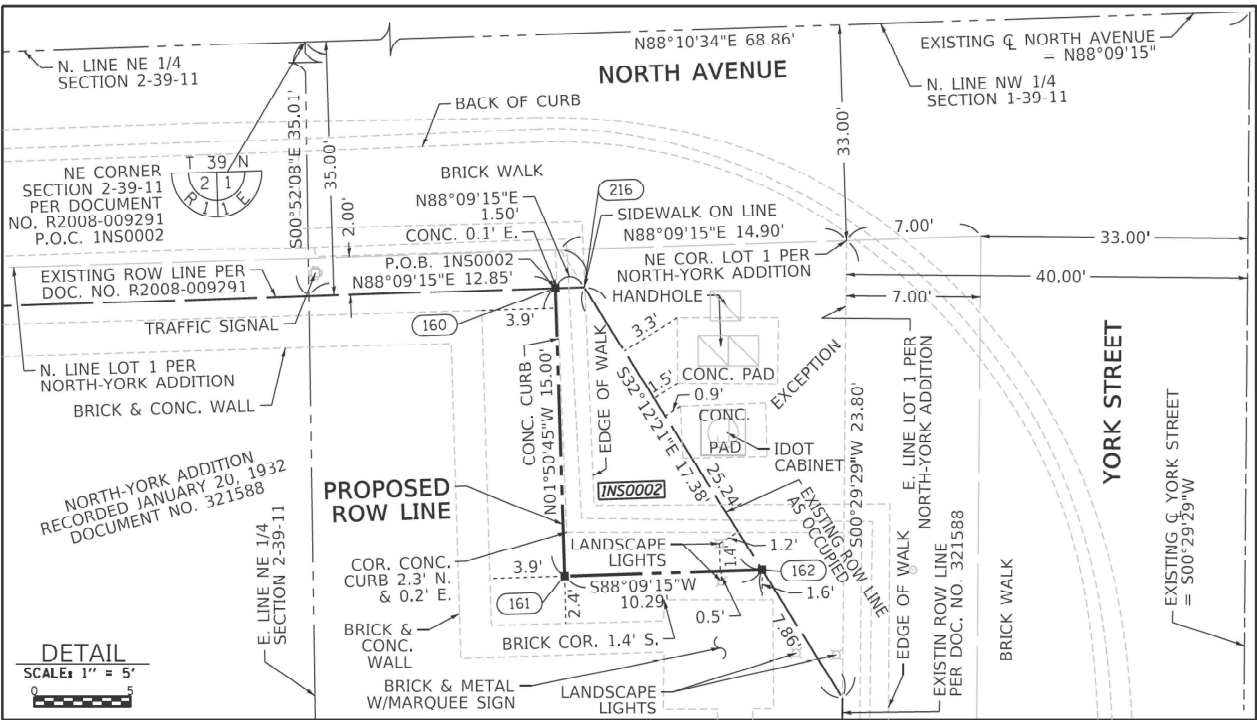
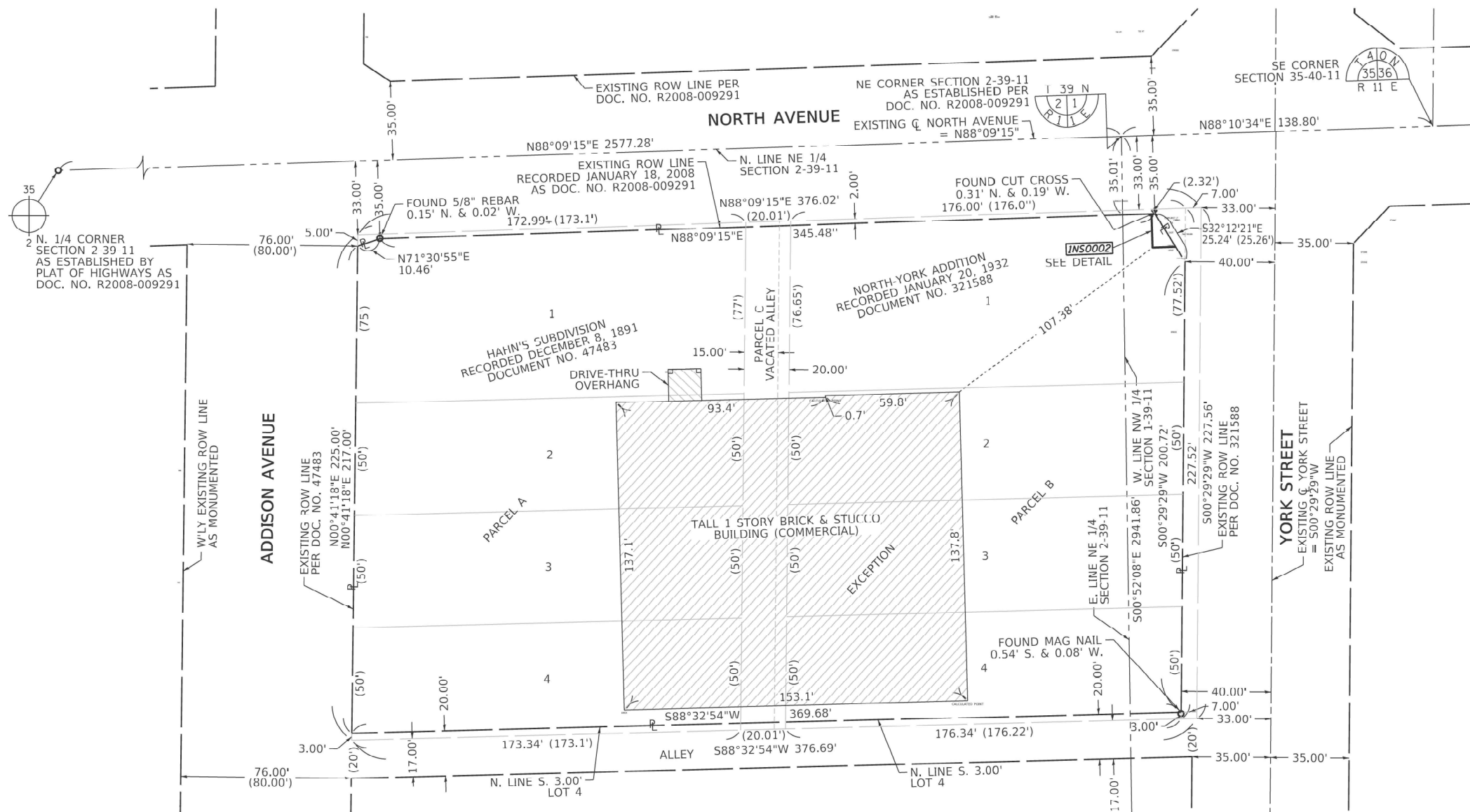
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-284-SUR, SW&TS	DUPAGE	529	511
ILLINOIS CONTRACT NO. 62N33				

REVISION DATE: / / REVISION MADE BY:

**APPROVED**  
By William Wright at 1:35 pm, Apr 29, 2022



PART OF THE NE 1/4 OF SECTION 2 & THE NW 1/4 OF SECTION 1, TWP. 39 N., R. 11 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.



E. 1/4 CORNER SECTION 2-39-11 ESTABLISHED PER DOC. NO. R2011-037099

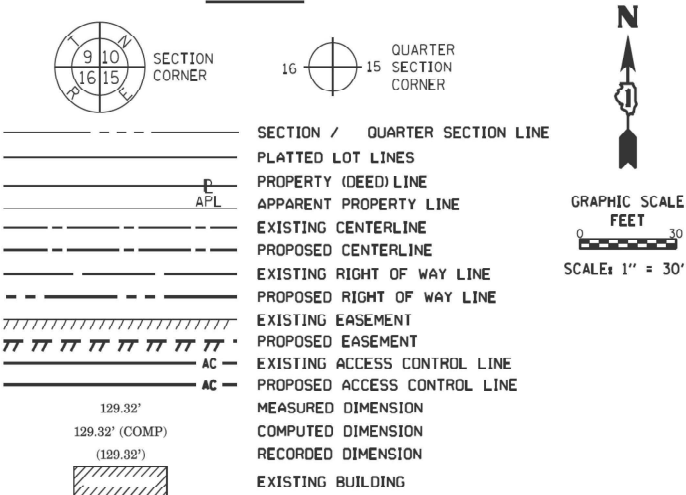
PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	PARCEL INDEX NUMBER
1NS0002	1.388	0.002 (88 SQ.FT.)		1.386		06-02-206-017(P)

PROJECT COORDINATES		
ILLINOIS STATE PLANE, EAST ZONE, NAD83 (2011)		
POINT NUMBER	NORTHING	EASTING
160	1,908,634.6996	1,091,302.2989
161	1,908,619.7073	1,091,302.7821
162	1,908,620.0387	1,091,313.0631
216	1,908,634.7479	1,091,303.7981

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-264-SUR,SW&TS	DUPAGE	529	512
	ILLINOIS	CONTRACT NO. 62N33		

APPROVED  
By William Wright at 1:35 pm, Apr 29, 2022

LEGEND



BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:

- ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
- BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
- ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99995857.
- AREAS SHOWN ON THIS PLAT ARE "GROUND".
- FIELD SURVEY COMPLETED ON FEBRUARY 2020.

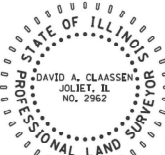
STATE OF ILLINOIS )  
COUNTY OF )

THIS IS TO CERTIFY THAT I, DAVID A. CLAASSEN, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, CLAASSEN, WHITE & ASSOCIATES, P.C., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-004039,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 39 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT \_\_\_\_\_, ILLINOIS THIS \_\_\_\_ DAY OF \_\_\_\_\_, 2022 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-002962  
LICENSE EXPIRATION DATE: NOVEMBER 30, 2020

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



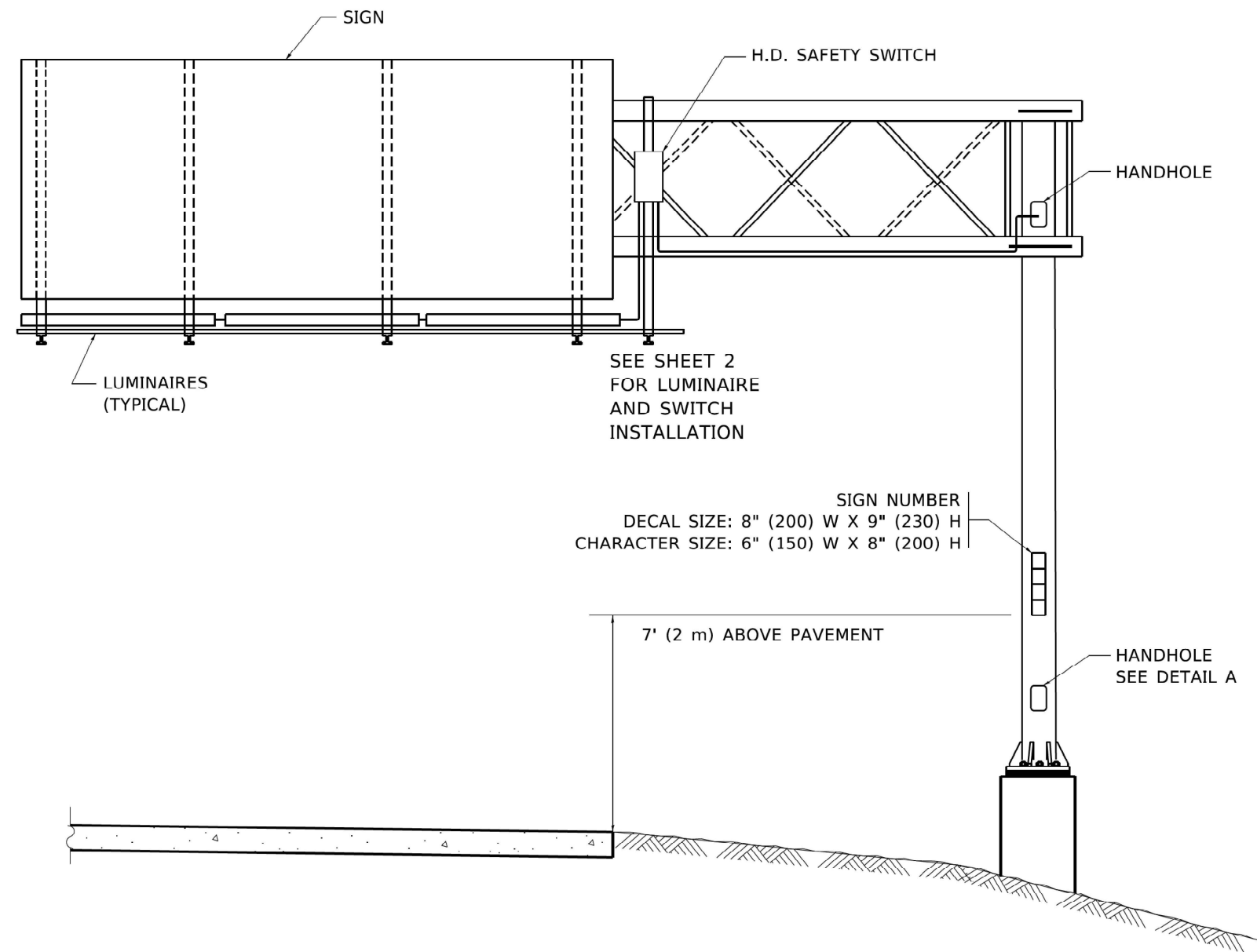
CLAASSEN, WHITE & ASSOCIATES, P.C.  
LAND SURVEYORS  
121 AIRPORT DRIVE, UNIT 1, JOLIET, ILLINOIS 60431  
(815) 744-3720 claassenwhite@cwasurevey.com  
CWA Job #7199

PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
NORTH AVENUE

LIMITS: ADDISON RD. TO 5th AVE. COUNTY: DUPAGE  
SECTION: TO STA. JOB NO: R-91-027-19  
SCALE: 1" = 30' SHEET 3 OF 3 SHEETS

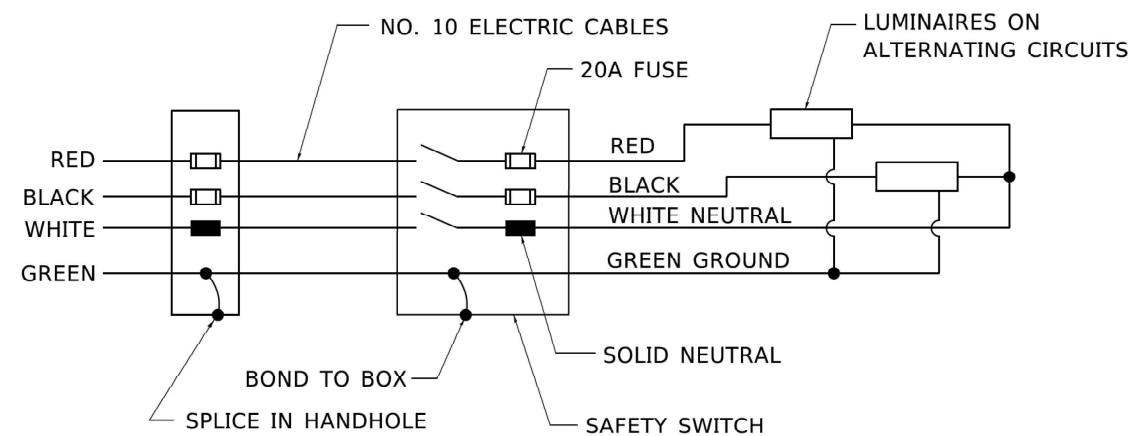
BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196



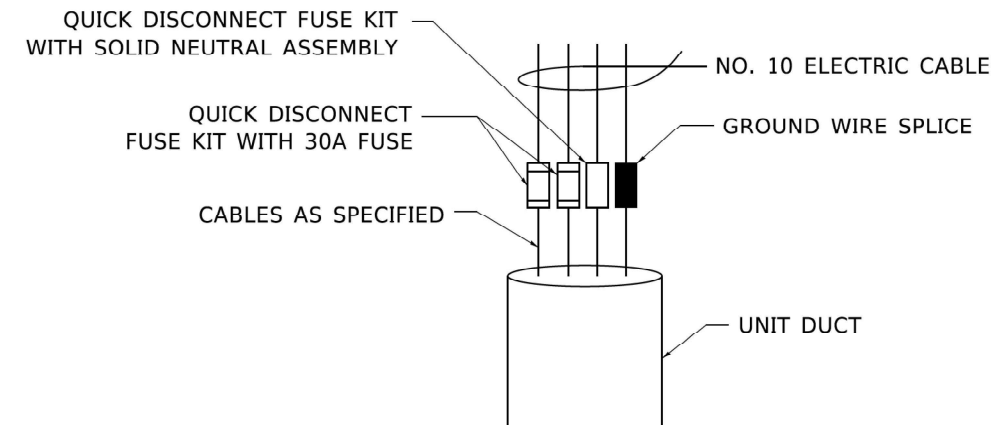


NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN
2. ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE GALVANIZED RIGID METALIC CONDUIT, PVC COATED (GRMC, PVC)
3. THE USE OF LIQUID TIGHT METAL CONDUIT (TYPE LFMC) SHALL BE LIMITED TO LOCATIONS WHERE MOVEMENT IS ANTICIPATED AND SHALL NOT EXCEED 5' (1.5M) IN LENGTH
4. ALL WORK INDICATED SHALL BE INCLUDED IN THE PAY ITEM FOR ELECTRIC CONNECTION TO SIGN STRUCTURE
5. THE SAFETY SWITCH SHALL BE LOCATED ON THE SIDE OF THE SIGN STRUCTURE WHICH IS CLOSEST TO THE SHOULDER, OR EDGE OF PAVEMENT.

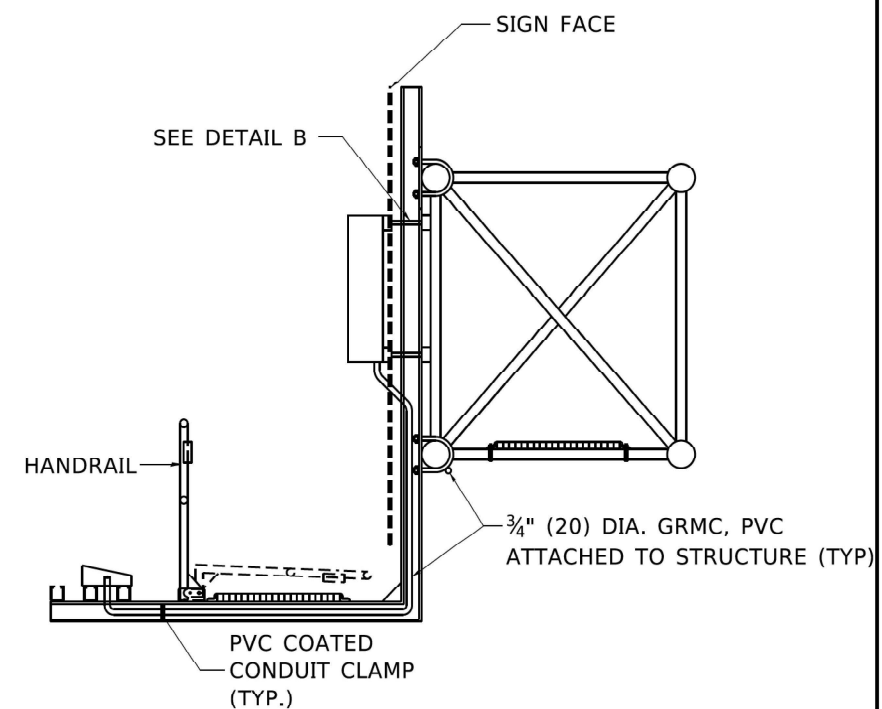


WIRING DIAGRAM

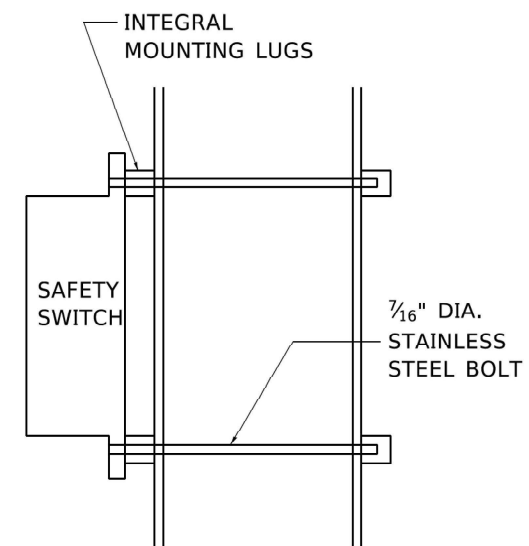


DETAIL A

Model: Default  
File Name: p:\11th-pw-bentley.com\khpw\01\Documents\01 Active Projects\WW-GHS-168953\100 - IL 6A\Phase 1112 Design\CA\Plan Sheets\West Corridor General Sheet\0106171-sh-detailed-01.dwg  
© 2003 KIMLEY-HORN AND ASSOCIATES, P.A.C.  
2005 WILSON BLVD., SUITE 400  
WARRENVILLE, IL 60089  
PHONE: 630-487-5500  
WWW.KIMLEY-HORN.COM



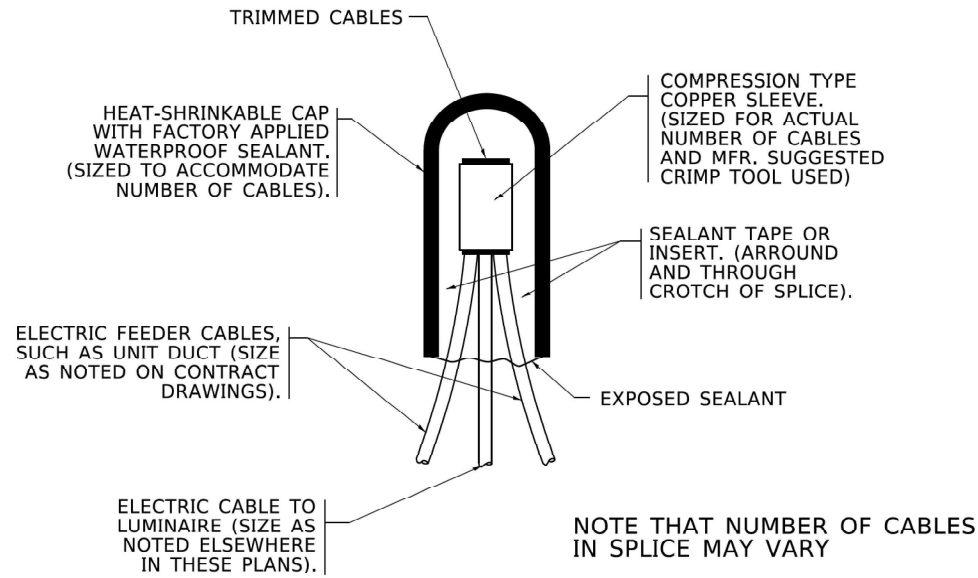
### TOP VIEW



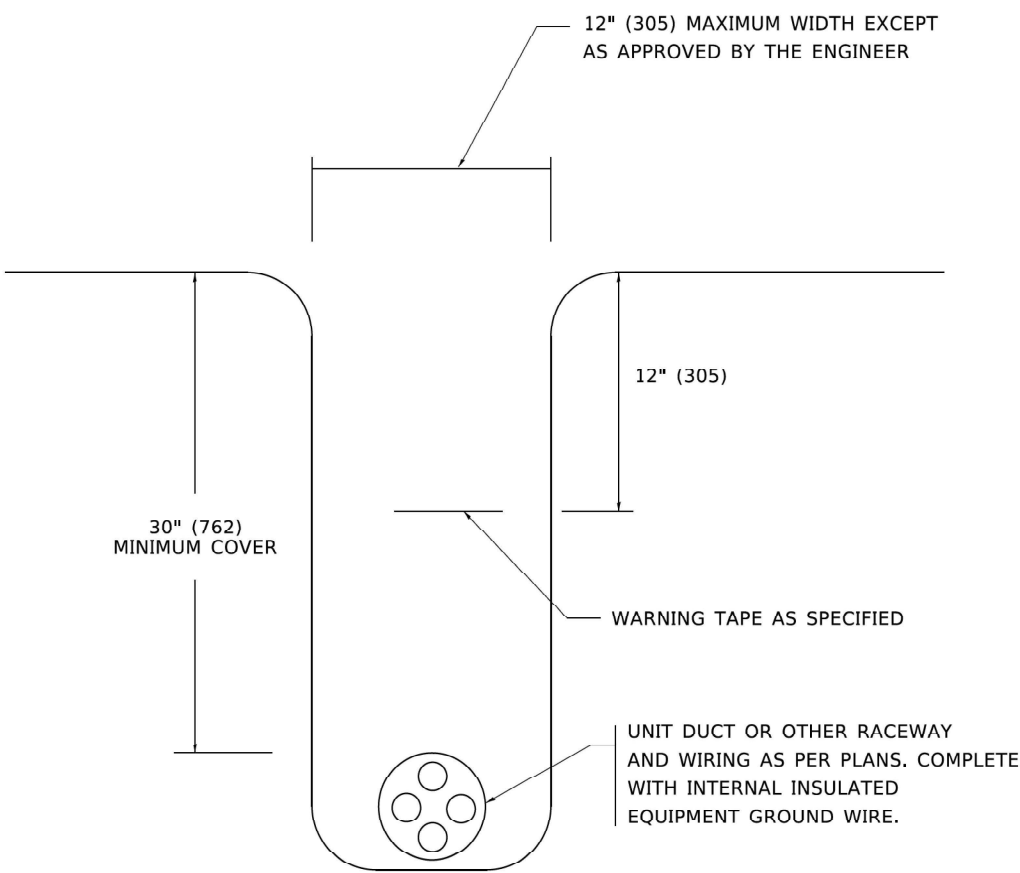
### SIDE VIEW

## ELEVATION VIEW

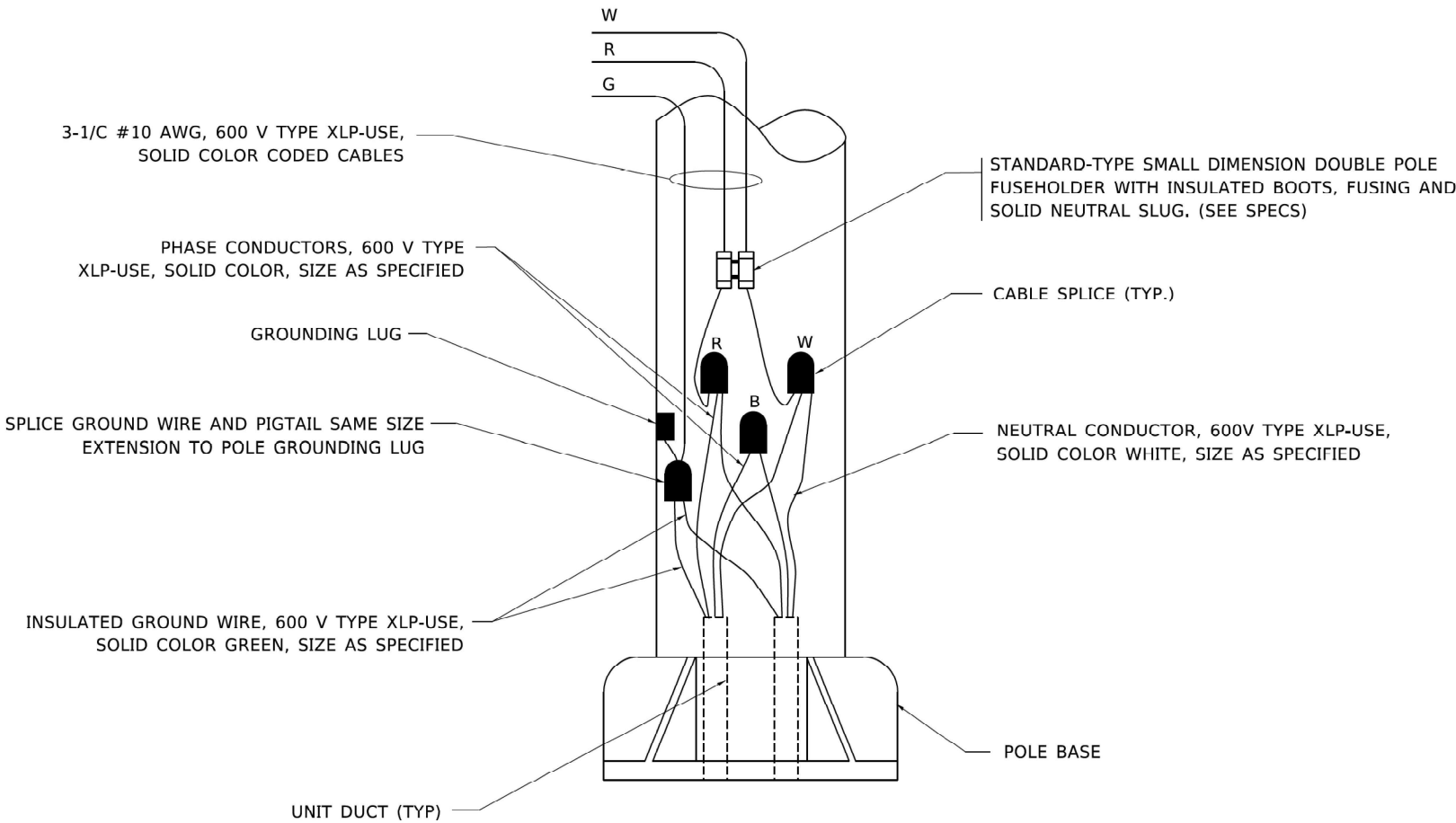
### DETAIL B



**TYPICAL SPLICE DETAIL**  
**N.T.S.**



**TYPICAL WIRING IN TRENCH DETAIL**  
**N.T.S.**



**POLE WIRING DETAIL**  
**N.T.S.**

Model: Default  
File Name: p:\h-pw-bentley.com\h-pw-01\documents\01 Active Projects\WW-GHS-168953\100 - IL 6A\Phase 11\2 Design\CA\Plan Sheets\West Corridor General Sheet\0168171-sh-detailed-03.dwg



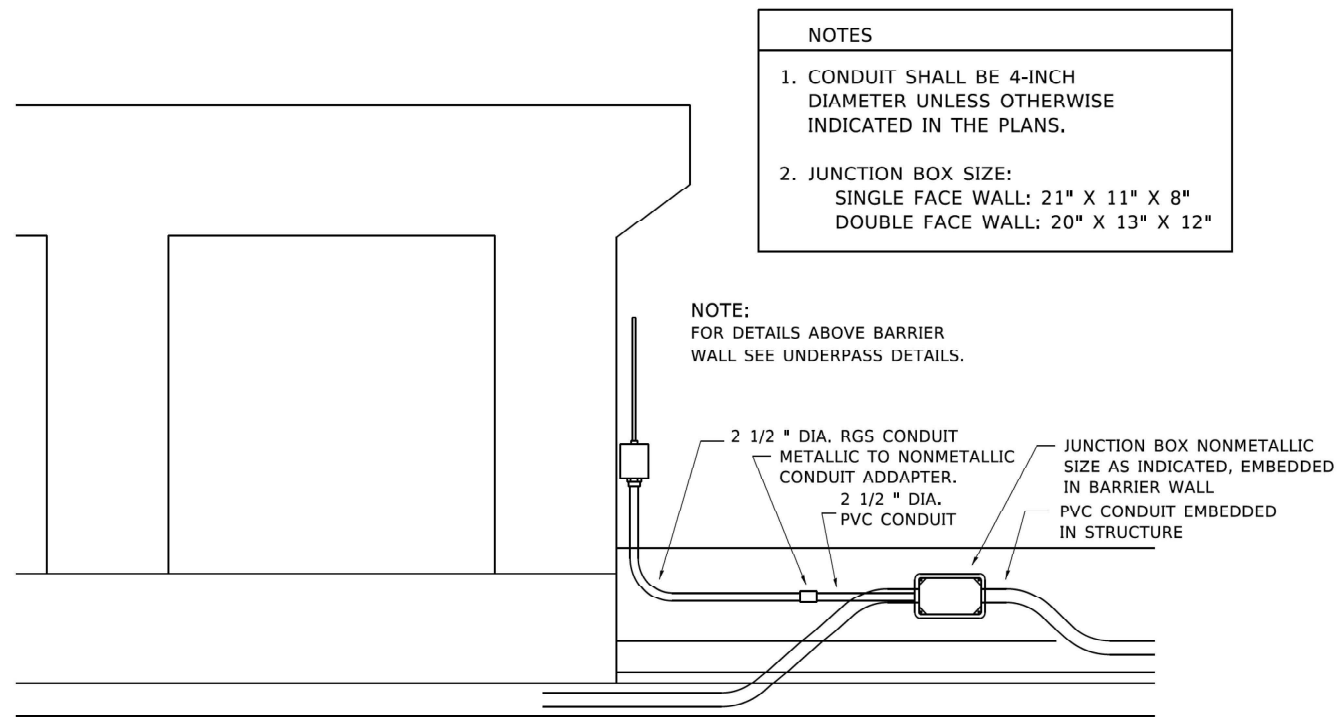
USER NAME	= leysa	DESIGNED	-	REVISED	-	02/04/2020
		DRAWN	-	REVISED	-	
PLOT SCALE	= 50.0000' / 1" =	CHECKED	-	REVISED	-	
PLOT DATE	= 3/2/2020	DATE	-	REVISED	-	08/08/2003

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS  
SHEET A

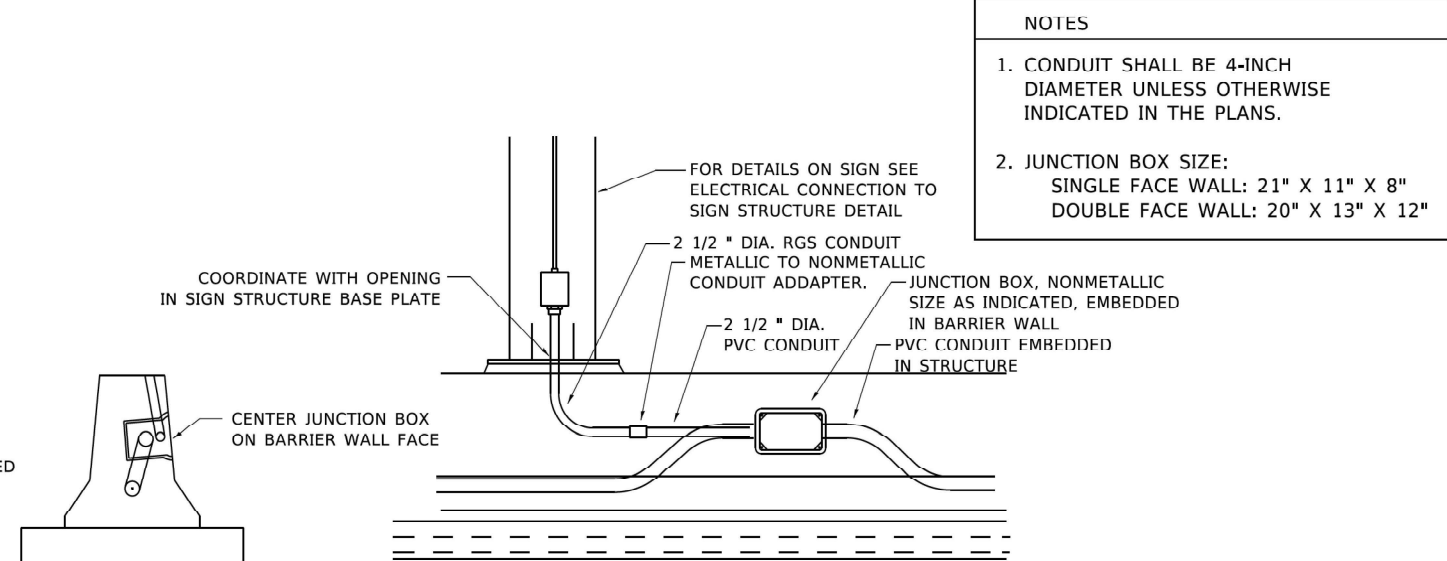
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR.SW&TS	DUPAGE	529	515
BE-702		CONTRACT NO. 62N33		
ILLINOIS		FED. AID PROJECT		



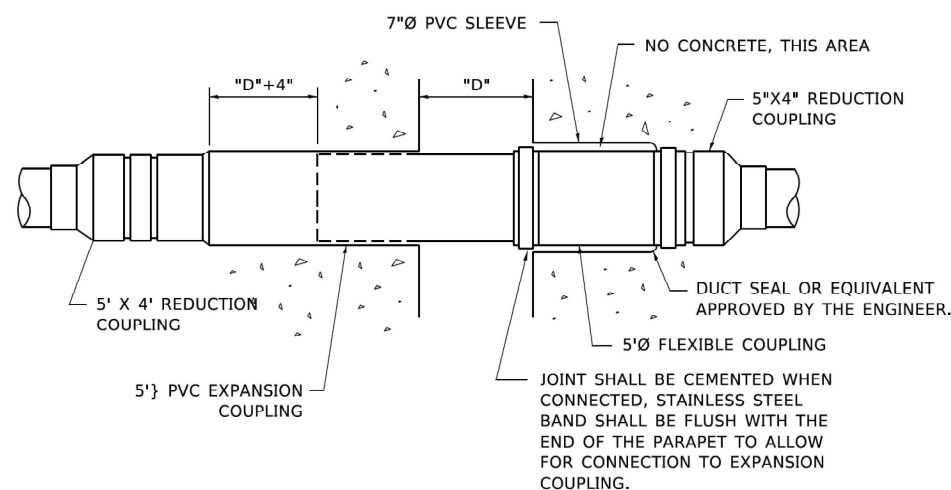
ED - BWD

**ELECTRIC CONNECTION TO UNDERPASS LIGHTING**



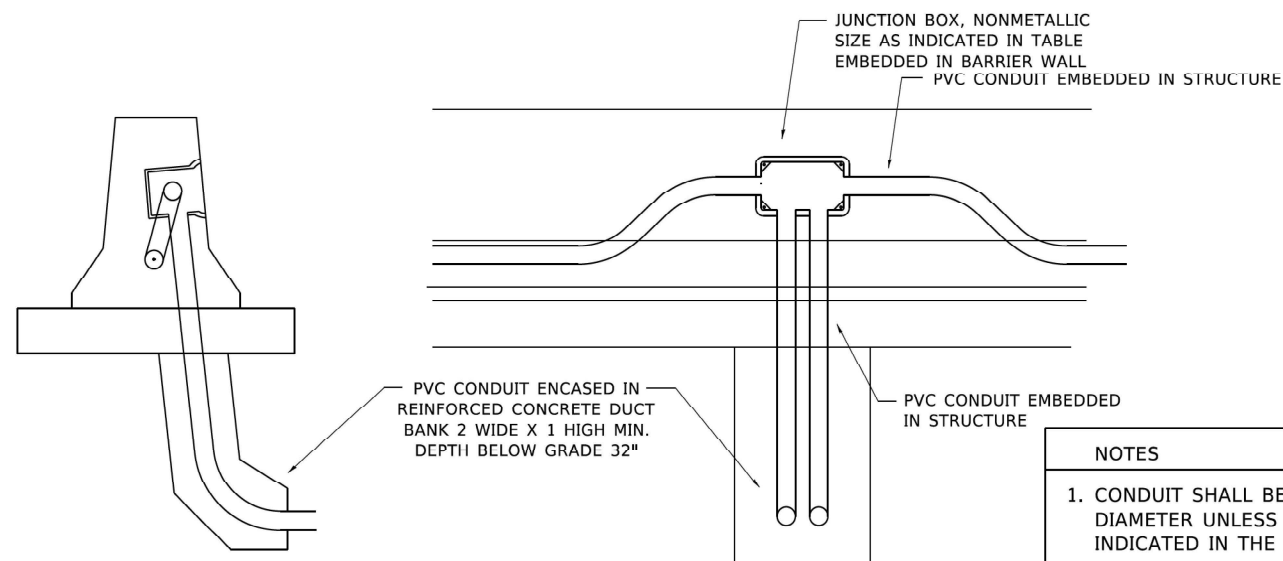
ED - SGN

**JUNCTION BOX EMBEDDED IN BARRIER WALL FOR SIGN LIGHTING**



**INSTALLATION OF CONDUIT  
IN BRIDGE PARAPET EXPANSION JOINT**

(N.T.S.)



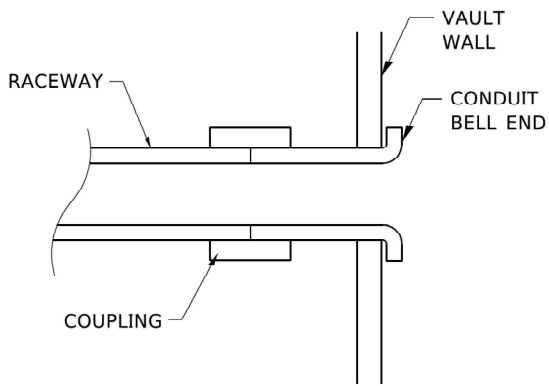
ED - BW

**JUNCTION BOX EMBEDDED IN BARRIER WALL**

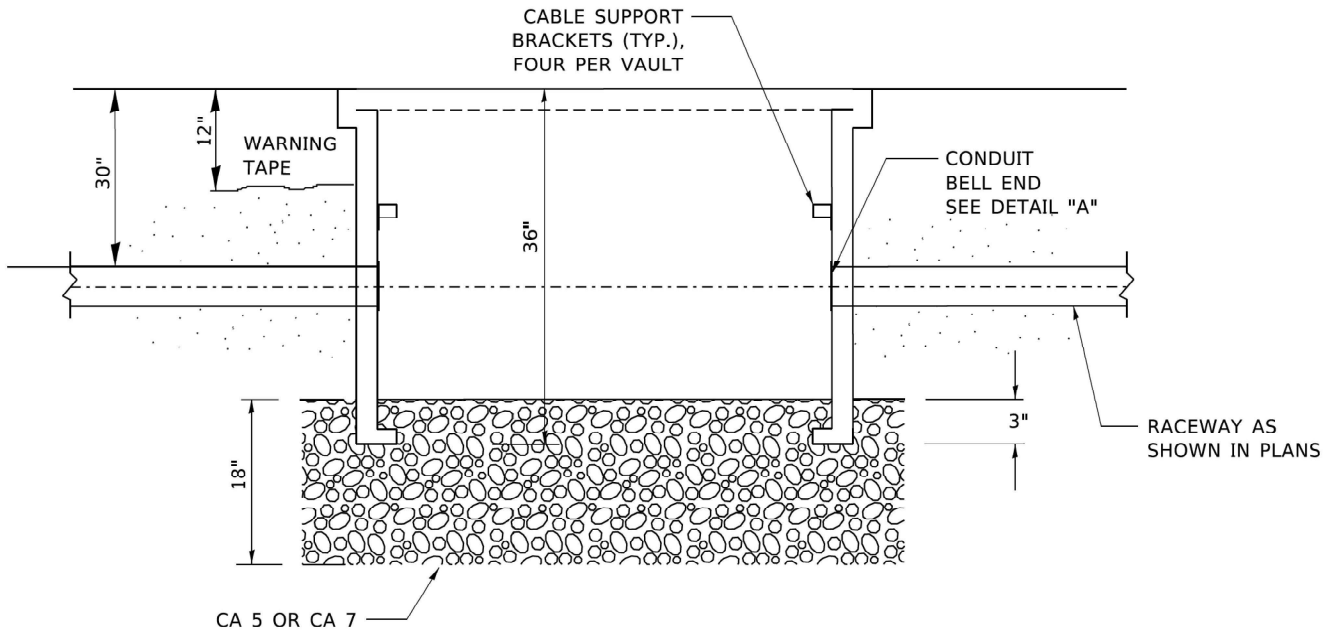
- NOTES**
1. CONDUIT SHALL BE 4-INCH DIAMETER UNLESS OTHERWISE INDICATED IN THE PLANS.
  2. JUNCTION BOX SIZE:  
SINGLE FACE WALL: 21" X 11" X 8"  
DOUBLE FACE WALL: 20" X 13" X 12"

Model: Default  
File Name: p:\h-pw-bentley.com\h-pw-01\Documents\01 Active Projects\WW\CHS-160955100 - IL 6A\Phase 1112 Design\CA\Plan Sheets\West Corridor General Sheet\016171-shd-details-04\_CHA.dgn

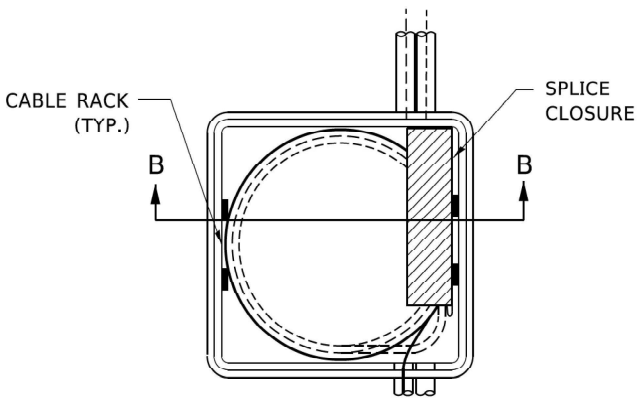
COMMUNICATIONS VAULT LOAD RATINGS			
COMPONENT	ANSI TIER	LOADING	
		DESIGN	TEST
BOX	22	22,500 lbs.	37,750 lbs.
COVER	22	22,500 lbs.	37,750 lbs.



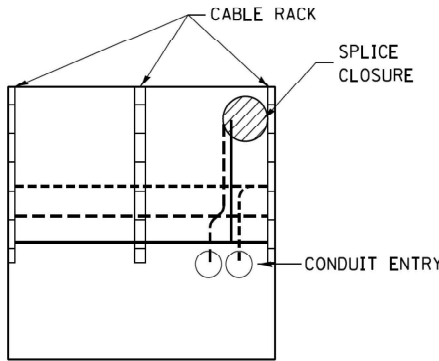
DETAIL A



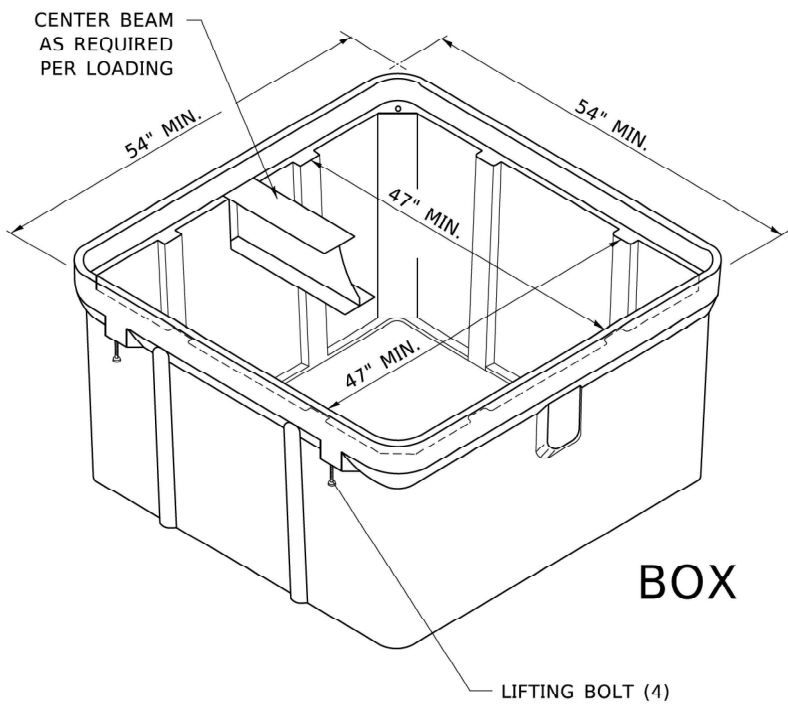
SECTION A-A



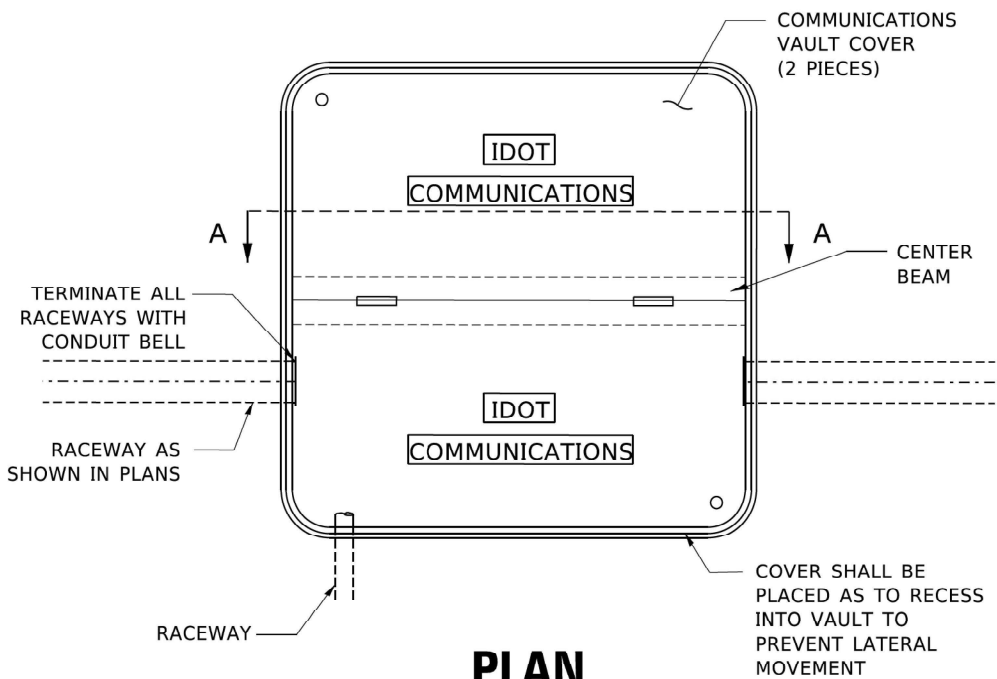
TOP VIEW



SECTION B-B



ISOMETRIC



PLAN

- NOTES:
- BOX SHALL HAVE AN OPEN BASE.
  - ALL OPENINGS IN STRUCTURE MUST BE MACHINED AT TIME OF FABRICATION OR PUNCH DRIVEN AT TIME OF PLACEMENT, IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
  - FIELD PLACEMENT OF COMMUNICATIONS VAULT SHALL BE AS DIRECTED BY THE ENGINEER.
  - ALL DIMENSIONS ARE MINIMUM AND A LARGER SIZE HANDHOLE MAY BE USED, WITH THE APPROVAL OF THE ENGINEER, TO FACILITATE USING A MANUFACTURER'S STANDARD PRODUCT.

Model: Default  
File Name: p:\14th-pw-bentley.com\14th-pw\11\Documents\01 Active Projects\MM\CHS-168953\100 - IL 6A\Phase 1112 Design\CAD\Plan Sheets\West Corridor General Sheet\0168171-sh-detailed-03.dwg  
© 2020 KIMLEY-HORN AND ASSOCIATES, P.A.C.  
2005 REGISTERED IN ILLINOIS, LICENSE NO. 00178-000  
WARRENVILLE, IL 60558  
PHONE: 630-487-5500  
WWW.KIMLEY-HORN.COM

KimleyHorn

USER NAME	= footemj
PLOT SCALE	= 50.0000 ' / 1" =
PLOT DATE	= 4/19/2019

DESIGNED	- R. Tomsons
DRAWN	-
CHECKED	-
DATE	- 03-22-10

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

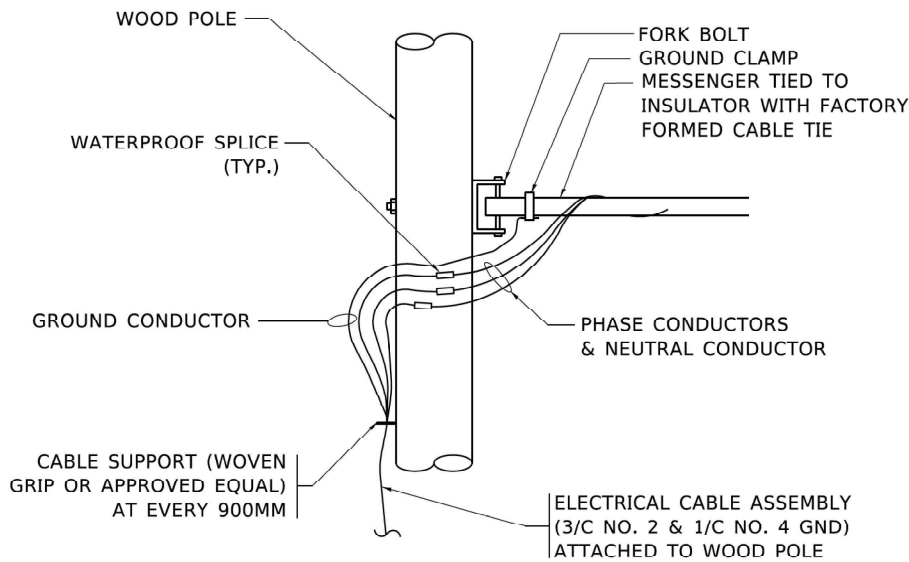
COMMUNICATIONS VAULT, COMPOSITE CONCRETE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR.SW&TS	DUPAGE	529	517
BE-705		CONTRACT NO. 62N33		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

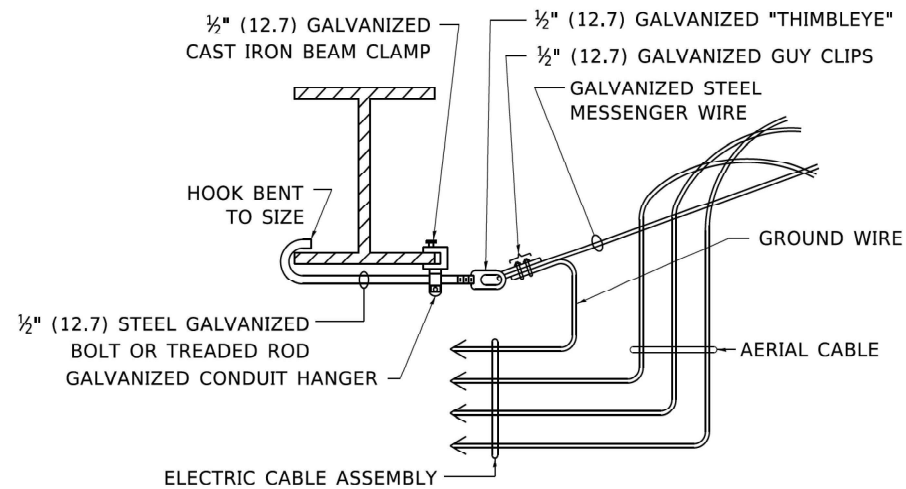


Model: Default  
File Name: p:\work\pw-bentley.com\khpw\01\Documents\01 Active Projects\WW\CHS-168953\100 - IL 6A\Phase 1112 Design\CAD\Plan Sheets\West Corridor General Sheet\0168171-shd-details-06\_KHA.dgn



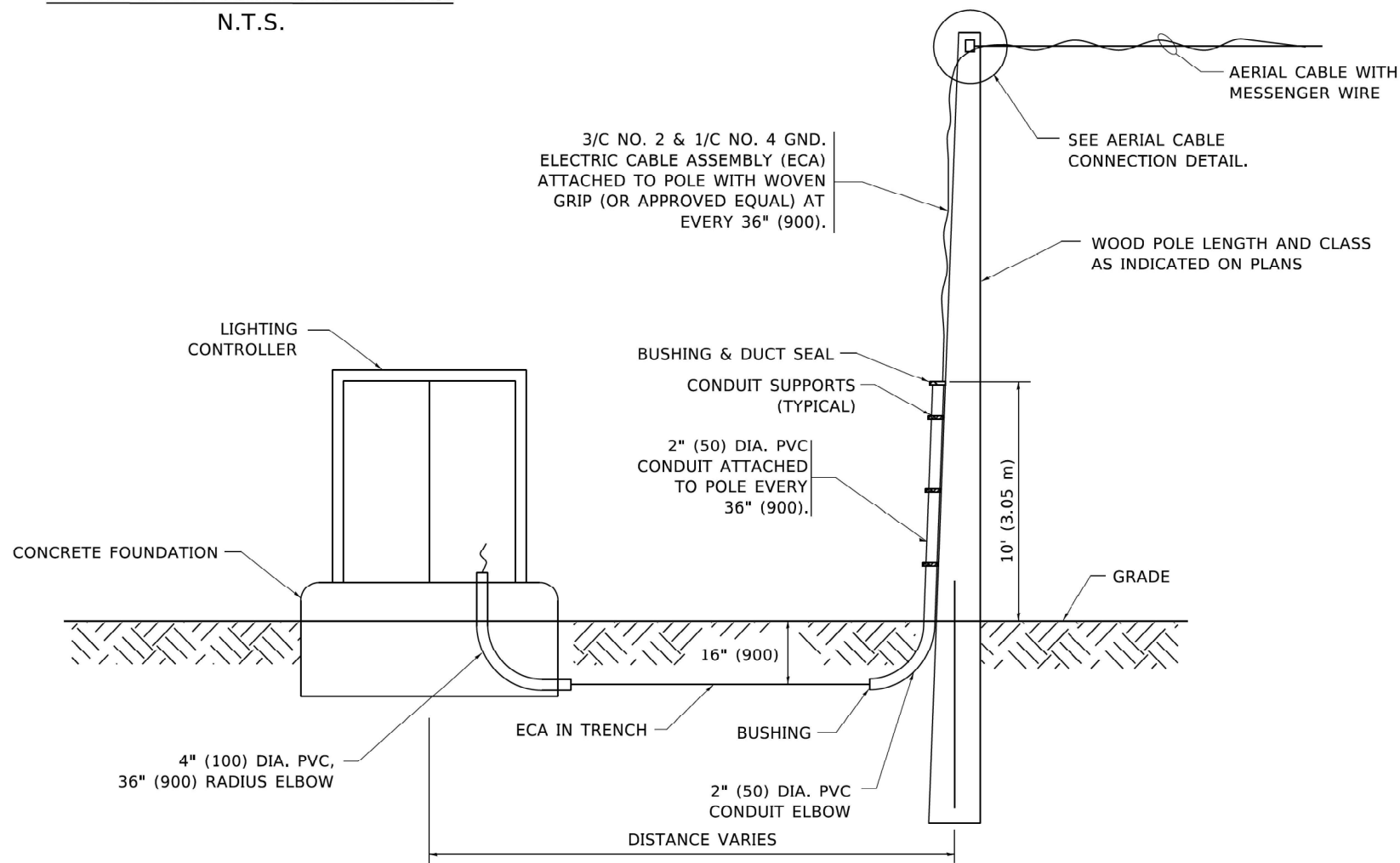
**AERIAL CABLE CONNECTION DETAIL**

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.

**KimleyHorn**

© 2020 KIMLEY-HORN AND ASSOCIATES, P.A.C.  
2005 INDEPENDENT AVENUE, SUITE 200  
WARRENVILLE, IL 60089  
PHONE: 630-487-5500  
WWW.KIMLEY-HORN.COM

USER NAME = footemj  
DESIGNED -  
DRAWN -  
PLOT SCALE = 50,0000 ' / 1" / 1  
CHECKED -  
DATE -  
PLOT DATE = 4/19/2019

DESIGNED -  
DRAWN -  
CHECKED -  
DATE -

REVISED - 08-08-03  
REVISED -  
REVISED -  
REVISED -

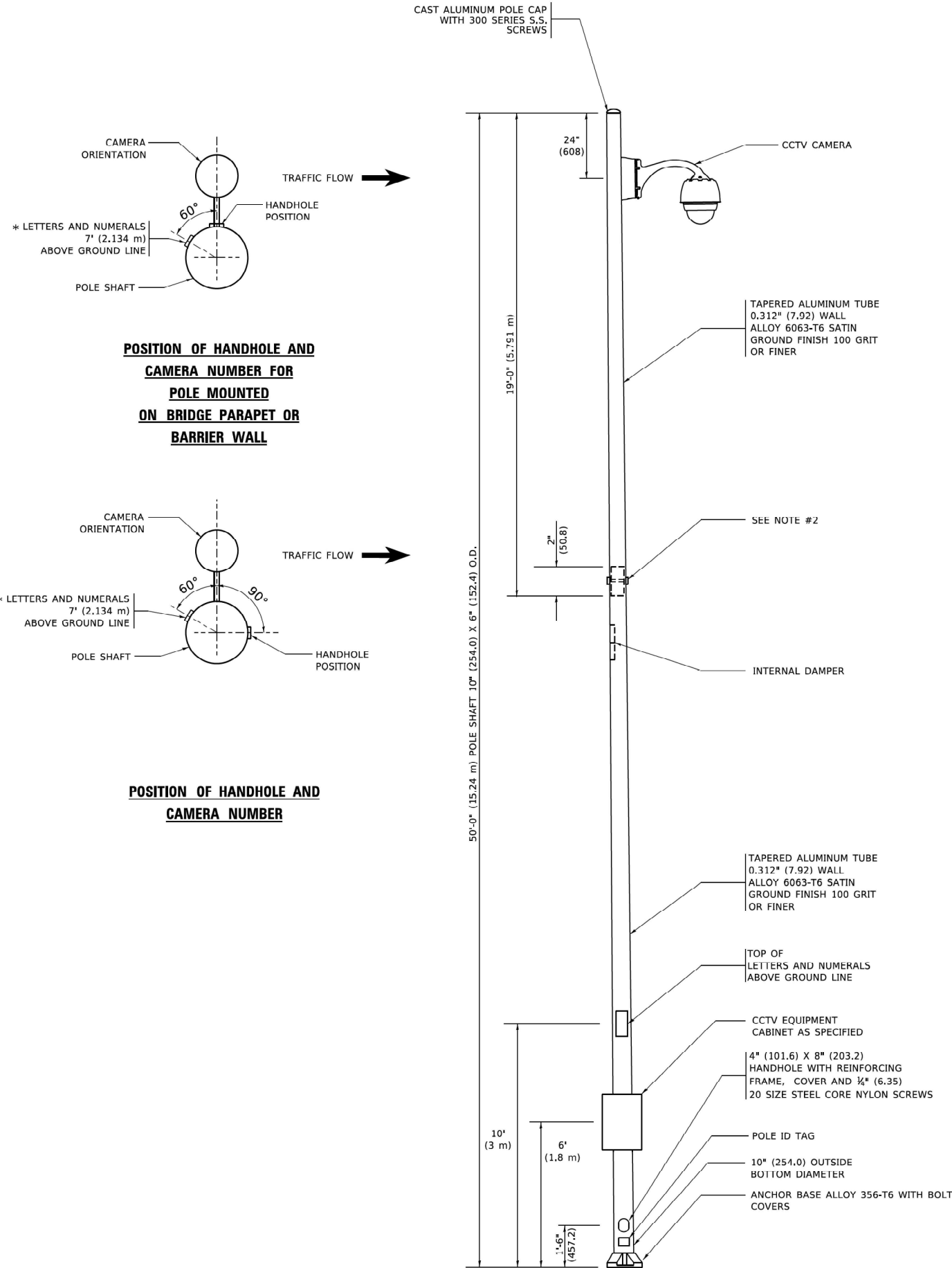
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY AERIAL CABLE INSTALLATION**

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

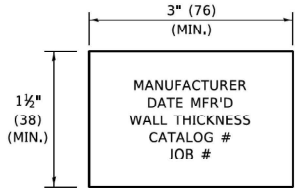
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR.SW&TS	DUPAGE	529	518
BE-801		CONTRACT NO. 62N33		
		ILLINOIS	FED. AID PROJECT	

Model: Default  
File Name: p:\work\paw.bentley.com\khpw\01\Documents\01 Active Projects\WW\CHS-168953\100 - IL 6A\Phase 1\12 Design\CA\Plan Sheets\West Corridor General Sheet\0106171-sh-details-06A-KHA.dgn

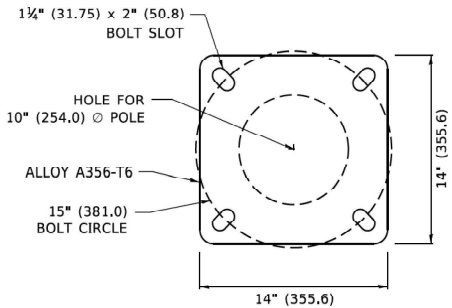


NOTES:

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
3. THE POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
5. POLES WILL BE INSTALLED IN ACCORDANCE TO MANUFACTURER'S INSTRUCTIONS.
6. POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.

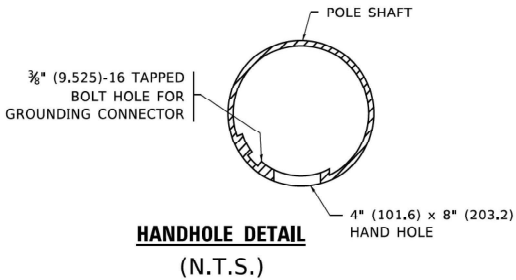


POLE ID TAG  
NTS



POLE BASE PLATE DETAIL

15 INCH (381.0) BOLT CIRCLE



Kimley»Horn

© 2020 KIMLEY-HORN AND ASSOCIATES, INC.  
2005 WILSON BLVD., SUITE 200  
WARRENVILLE, IL 60088  
PHONE: 800-487-5500  
WWW.KIMLEY-HORN.COM

USER NAME	= footemj
PLOT SCALE	= 50,000.0' / 1" /
PLOT DATE	= 4/22/2019

DESIGNED -	REVISED - R. TOMSONS 09-06-00
DRAWN -	REVISED - R. TOMSONS 09-03-03
CHECKED -	REVISED - R. TOMSONS 02-27-13
DATE -	REVISED - R. TOMSONS 05-04-14

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CCTV CAMERA STRUCTURE  
50' (15.24 m) MOUNTING HEIGHT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR.SW&TS	DUPAGE	529	519
BE-1000		CONTRACT NO. 62N33		
ILLINOIS		FED. AID PROJECT		

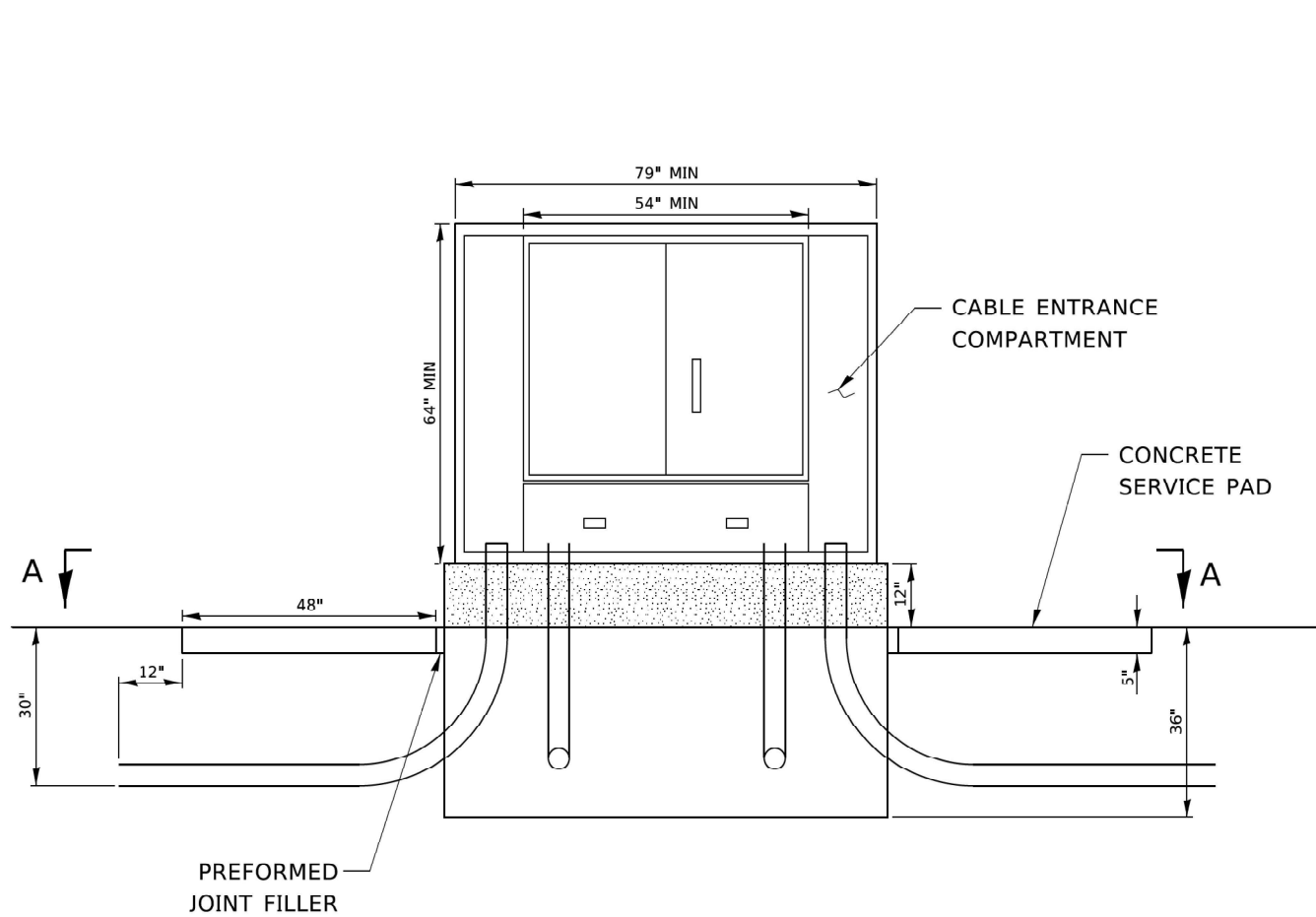
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION
SOFT CLAY Qu = 0.375 TON/SQ. FT.	13'-0" (3.96 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-6" (2.09 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-0" (2.13 m)
LOOSE SAND ϕ = 34°	9'-0" (2.74 m)
MEDIUM SAND ϕ = 37.5°	8'-3" (2.52 m)
DENSE SAND ϕ = 40°	7'-9" (2.36 m)



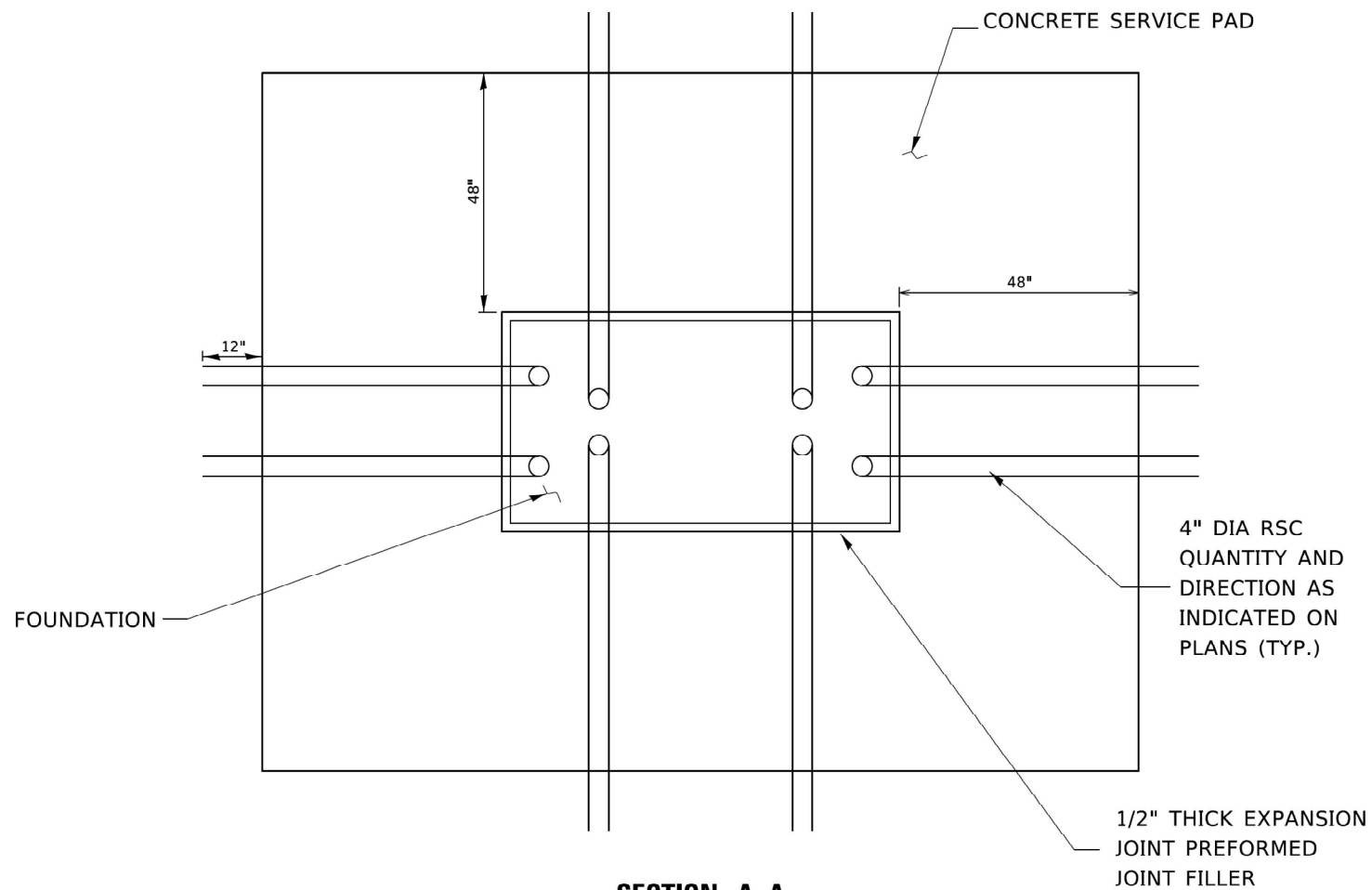
- ## NOTES:
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
  2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
  3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
  4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER. OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
  5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED  $\frac{3}{4}$ -IN. (20 mm).
  6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
  7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
  8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
  9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM (6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
  10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
  11. ANCHOR RODS SHALL PROJECT  $2\frac{3}{4}$ " (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
  12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
  13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
  14. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
  15. ANCHOR ROD BOLT CIRCLE TO BE COORDINATED WITH CAMERA STRUCTURE



Model: Default  
File Name: p:\work\pwr\kimley-horn\pwr\01\Documents\01 Active Projects\MW\CHS-168953\100 - IL 6A\Phase 1112 Design\CAD\Plan Sheets\West Corridor General Sheet\0106171-shh-details-01\_CHA.dgn



**ELEVATION VIEW**



**SECTION A-A**

**NOTES:**

CABINET:  
ALUMINUM 5052-H32

HARDWARE:  
TYPE 304 STAINLESS STEEL

FINISH:  
POLYESTER POWDER COATED GRAY

RACKS:  
3/16" STEEL E.I.A. / T.I.A. SPACING (10-32 THREADS)

DOORS:  
3 POINT LATCH, LATCH CONTROL SWITCH, PIANO HINGE, WIND STOP

CABLE ENTRANCE COMPARTMENT:  
FOUR SLACK STORAGE BRACKETS WITH HEAVY DUTY VELCRO STRAPS TO SECURE CABLES,  
TWO ENTRY HOLES FOR BRINGING CABLES INTO THE MAIN CABINET

MAIN CABINET:  
2-9"-23" ADJUSTABLE WIDTH RACKS, ADJUSTABLE FRONT TO REAR POSITION (43" TALL)  
2-19"-23" ADJUSTABLE WIDTH RACKS, SWING OUT (40" TALL)  
166" OF TOTAL INCHES OF RACK SPACE (95 RU)  
4-15" WATT SHATTER-SHIELD LIGHT FIXTURES

**Kimley»Horn**

© 2020 KIMLEY-HORN AND ASSOCIATES, INC.  
2000 WILSON ROAD, SUITE 200  
WARRENVILLE, IL 60089  
PHONE: 630-487-5500  
WWW.KIMLEY-HORN.COM

USER NAME	= footemj
PLOT SCALE	= 50.0000' / 1" =
PLOT DATE	= 4/22/2019

DESIGNED	- R. TOMSONS
DRAWN	-
CHECKED	-
DATE	- 05-02-16

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FIBER OPTIC INTERCONNECT CABINET**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR.SW&TS	DUPAGE	529	521
BE-1050		CONTRACT NO. 62N33		
ILLINOIS		FED. AID PROJECT		

Model: Default  
FILE NAME: p:\work\paw.bentley.com\khpw\01\Documents\01 Active Projects\WW\CHS-168953\100 - IL 6A\Phase III\2 Design\CAD\Plan Sheets\West Corridor General Sheet\106171-shd-details-06.dwg  
© 2009 KIMLEY-HORN AND ASSOCIATES, P.A.C.  
2009 REGISTERED IN ILLINOIS, LICENSE NO. 00178-000  
WARRENVILLE, IL 60089  
PHONE: 815-487-5500  
WWW.KIMLEY-HORN.COM

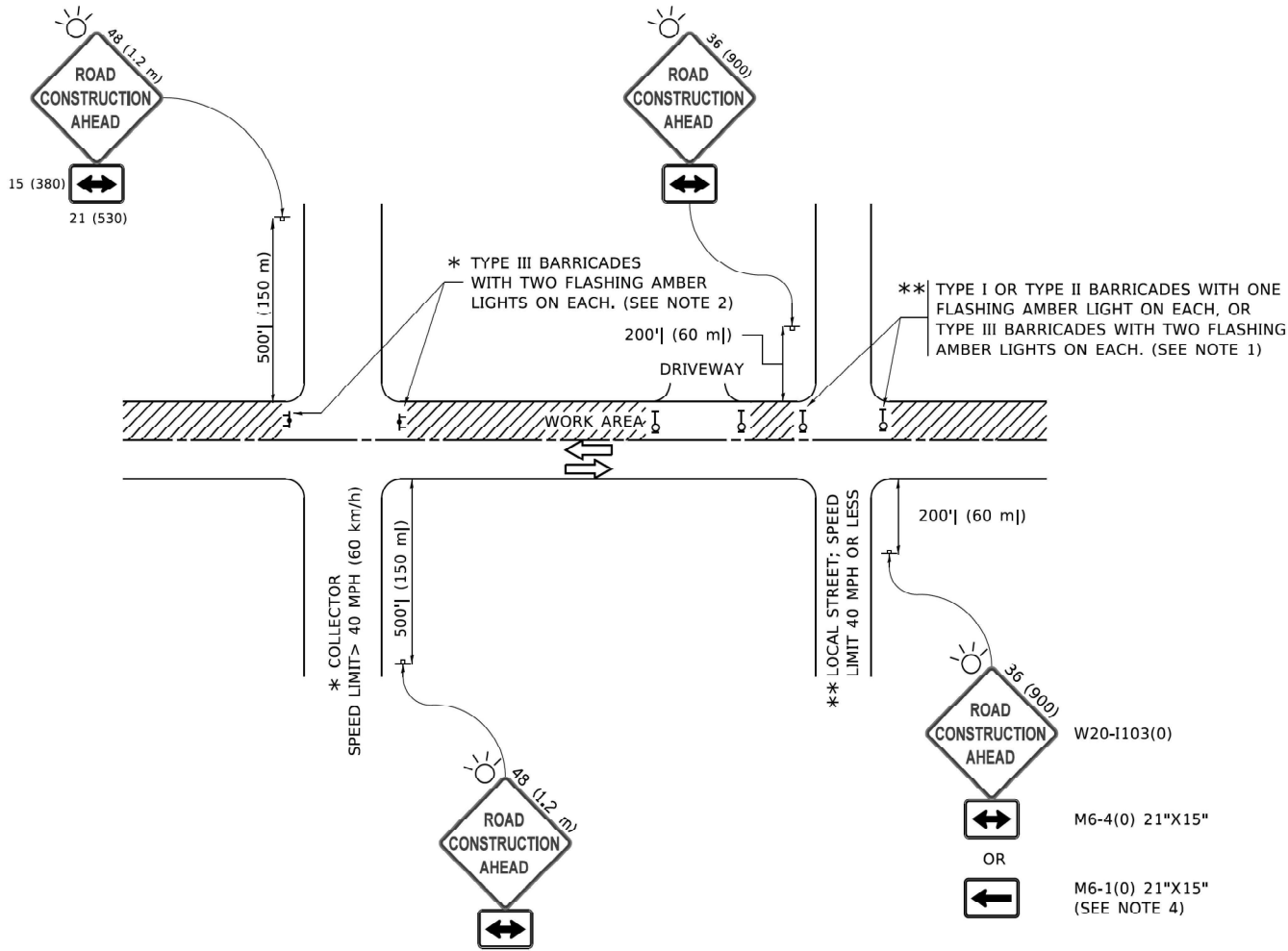


USER NAME	= [footen]	DESIGNED -	L.H.A.	REVISED -	A. HOUSEH 10-15-96
		DRAWN -		REVISED -	T. RAMMACHER 01-06-00
PLOT SCALE	= 50,0000 ' / 1" =	CHECKED -		REVISED -	A. SCHUETZE 07-01-13
PLOT DATE	= 3/4/2019	DATE -	06-89	REVISED -	A. SCHUETZE 09-15-16

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NONE	SHEET 1	OF 1	SHEETS
STA.	TO STA.		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR.SW&TS	DUPAGE	529	522
TC-10		CONTRACT NO. 62N33		
ILLINOIS		FED. AID PROJECT		

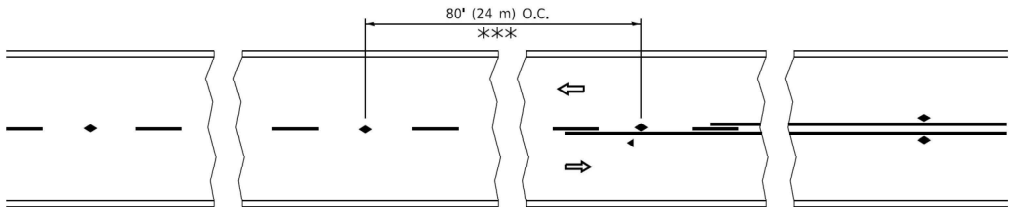


NOTES:

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

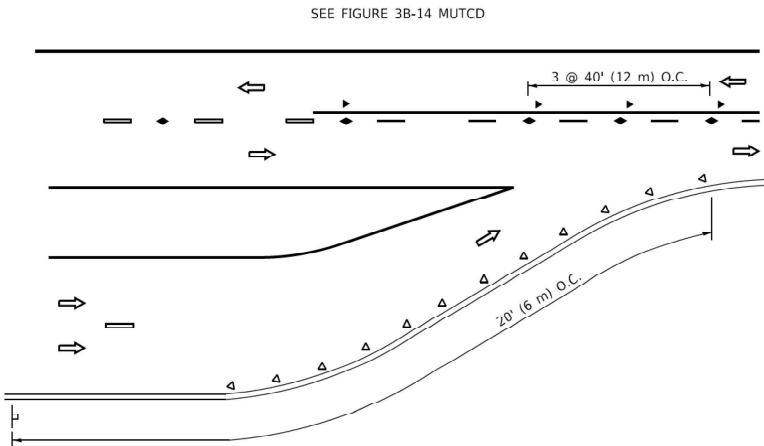
All dimensions are in inches (millimeters)  
unless otherwise shown.



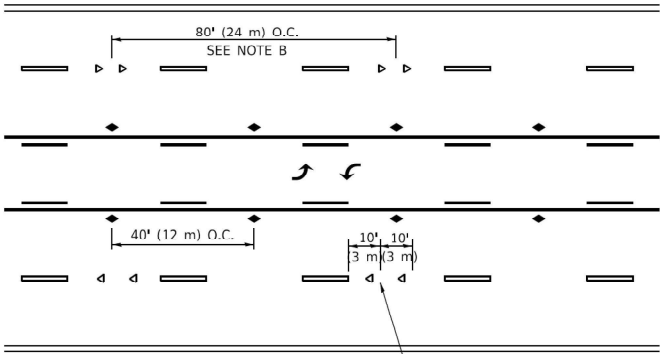


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

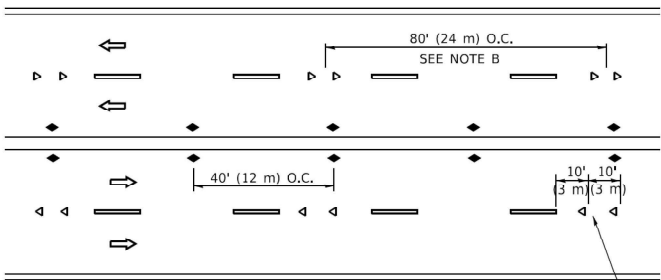
### TWO-LANE/TWO-WAY



### LANE REDUCTION TRANSITION

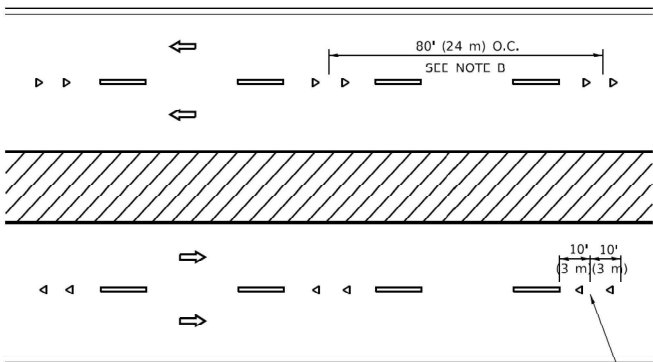


### TWO-WAY LEFT TURN



SEE NOTE A

### MULTI-LANE/UNDIVIDED



SEE NOTE A

### MULTI-LANE/DIVIDED

### GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

### LANE MARKER NOTES

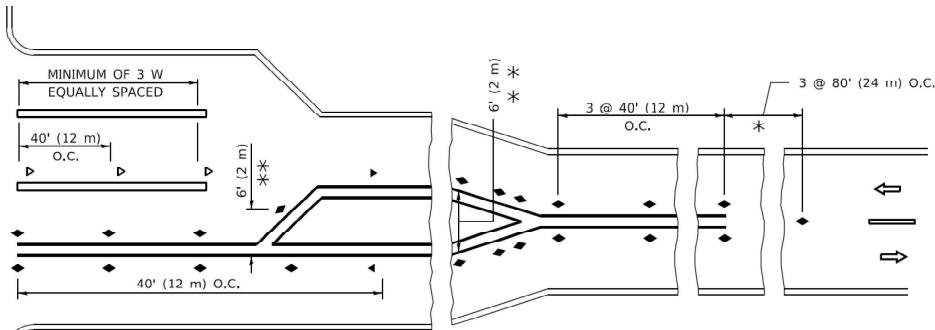
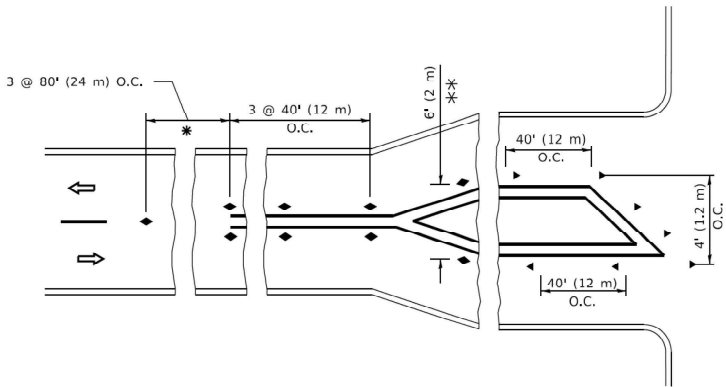
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

### SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

### DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
\*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS  
USE TWO-WAY MARKERS.

### TURN LANES

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

Model: Default  
File Name: p:\h-pw-bentley.com\h-pw-01\Documents\01 Active Projects\WW-GHS-68959100 - IL 6A\Phase 11\2 Design\CAD\Plan Sheets\West Corridor General Sheet\0106171-sh-details-09.dwg



USER NAME	= footemj
PLOT SCALE	= 50,0000 ' / in.
PLOT DATE	= 3/4/2019

DESIGNED -	
DRAWN -	
CHECKED -	
DATE -	

REVISED -	T. RAMMACHER 03-12-99
REVISED -	T. RAMMACHER 01-06-00
REVISED -	C. JUCIUS 09-09-09
REVISED -	C. JUCIUS 07-01-13

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS  
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR.SW&TS	DUPAGE	529	523
TC-11		CONTRACT NO. 62N33		
ILLINOIS		FED. AID PROJECT		

## 2-LANE ROADWAY

## MULTI-LANE UNDIVIDED

## TYPICAL LANE AND EDGE LINE MARKING

## TYPICAL CROSSWALK MARKING

**4' (1.2 m) WIDE MEDIANS ONLY**

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**

**MEDIAN WITH TWO-WAY LEFT TURN LANE**

## TYPICAL PAINTED MEDIAN MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.

\* 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

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 <sup>2</sup> EACH *X*=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 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.

TURN BAY ENTRANCE AT START  
OF LANE CLOSURE TAPER

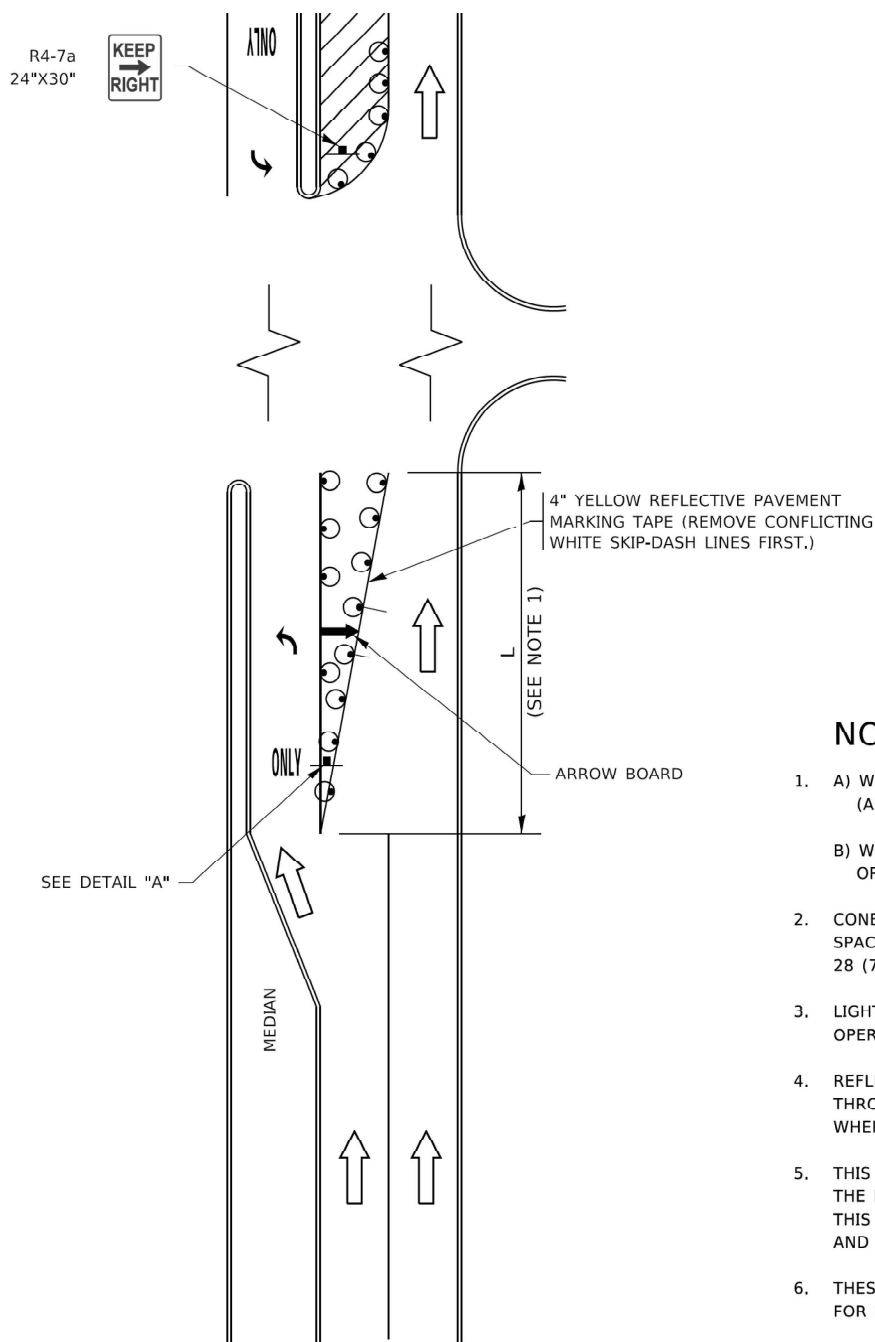


FIGURE 1

LEGEND

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

NOTES:

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

TURN BAY ENTRANCE  
WITHIN A LANE CLOSURE

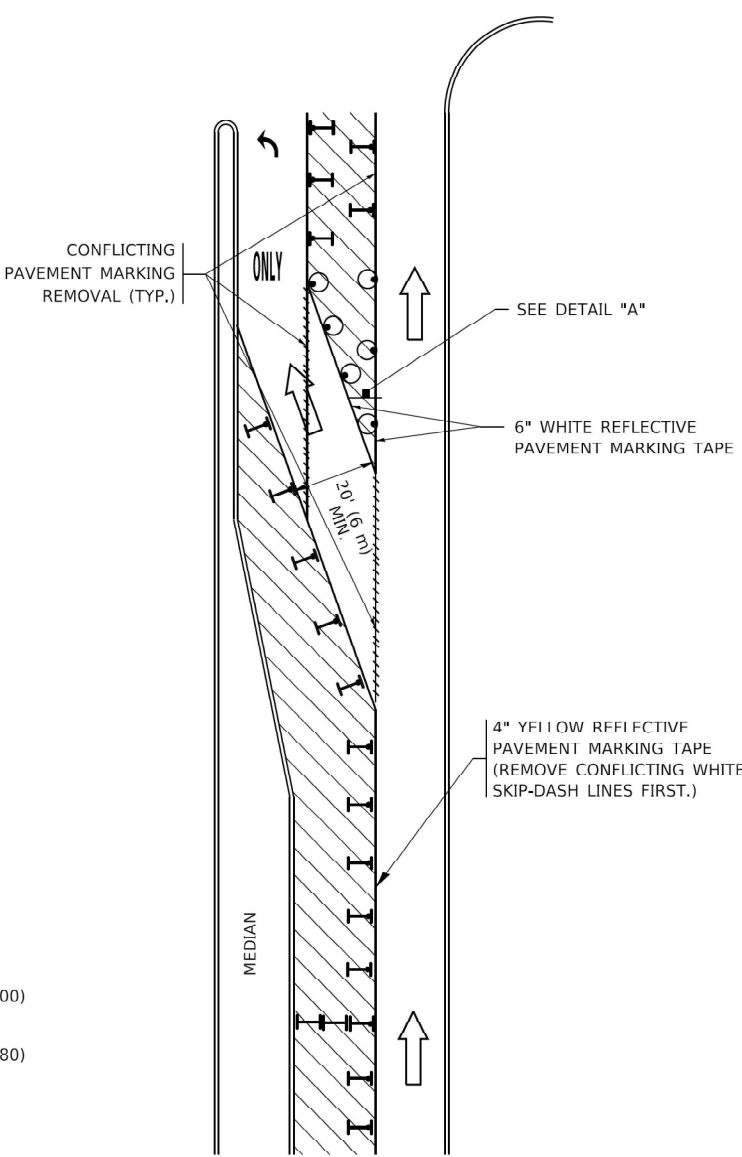
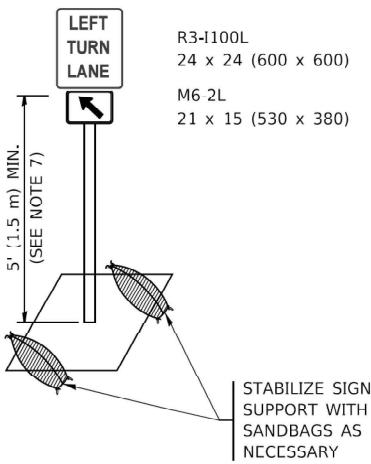


FIGURE 2



DETAIL A

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

Model: Default  
File Name: p:\work\paw.bentley.com\khpw\01\Documents\01 Active Projects\MM\CHS-160953\100 - IL 6A\Phase 1\12 Design\CA\Plan Sheets\West Corridor General Sheet\0106171-shd-details-1.dgn

Model: Default  
File Name: p:\work\pw\_bentley.com\khpw\01\Documents\01\_Active Projects\MM\CHS-168953\100 - IL 64\Phase 012 Design\CAD\Plan Sheets\West Corridor General Sheet\0168171-shd-details11\_CHA.dgn



© 2020 KIMLEY-HORN AND ASSOCIATES, P.A.C.  
2005 SHELTER D. ROAD, SUITE 400  
WARRENVILLE, IL 60089  
PHONE: 630-487-5500  
WWW.KIMLEY-HORN.COM

USER NAME = footejm

DESIGNED -

DRAWN -

PLOT SCALE = 50.0000 ' / 1" =

CHECKED -

DATE -

DESIGNED - R. MIRS 09-15-97

REVISOR - R. MIRS 12-11-97

REVISOR - T. RAMMACH 02-02-99

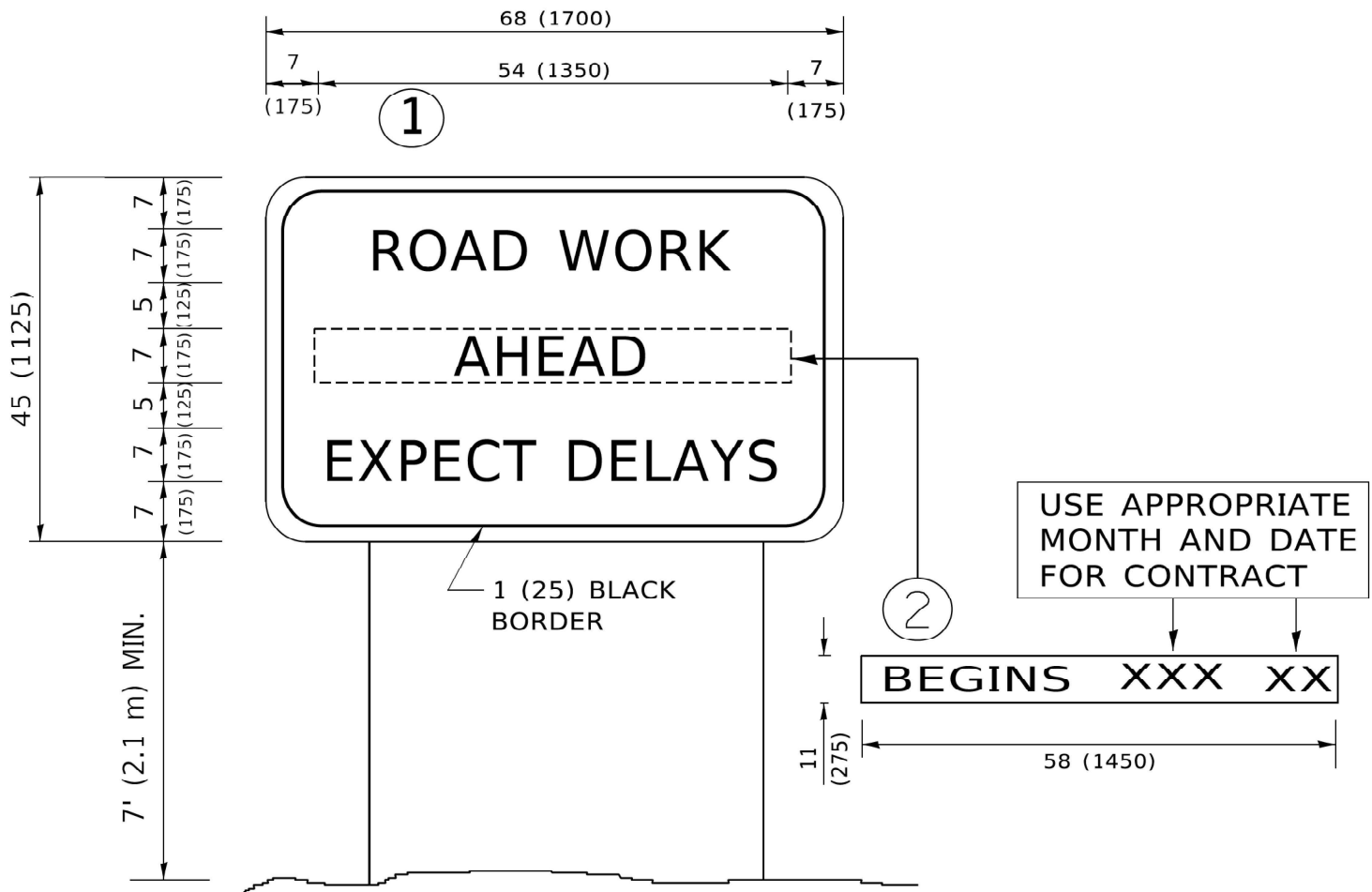
REVISOR - C. JUCIUS 01-31-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD  
INFORMATION SIGN

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

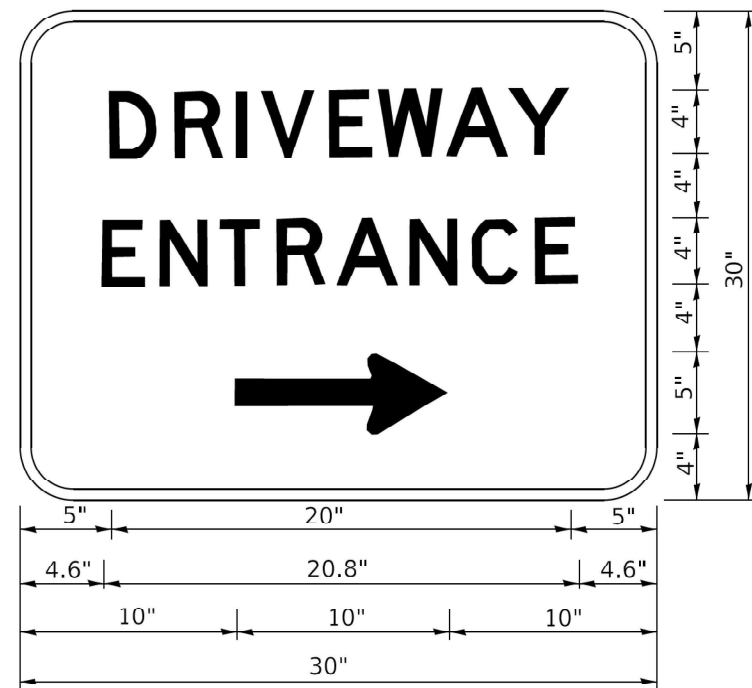
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR.SW&TS	DUPAGE	529	526
TC-22		CONTRACT NO. 62N33		
ILLINOIS		FED. AID PROJECT		



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.



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

- NOTES:
- 1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
  - 2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
  - 3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

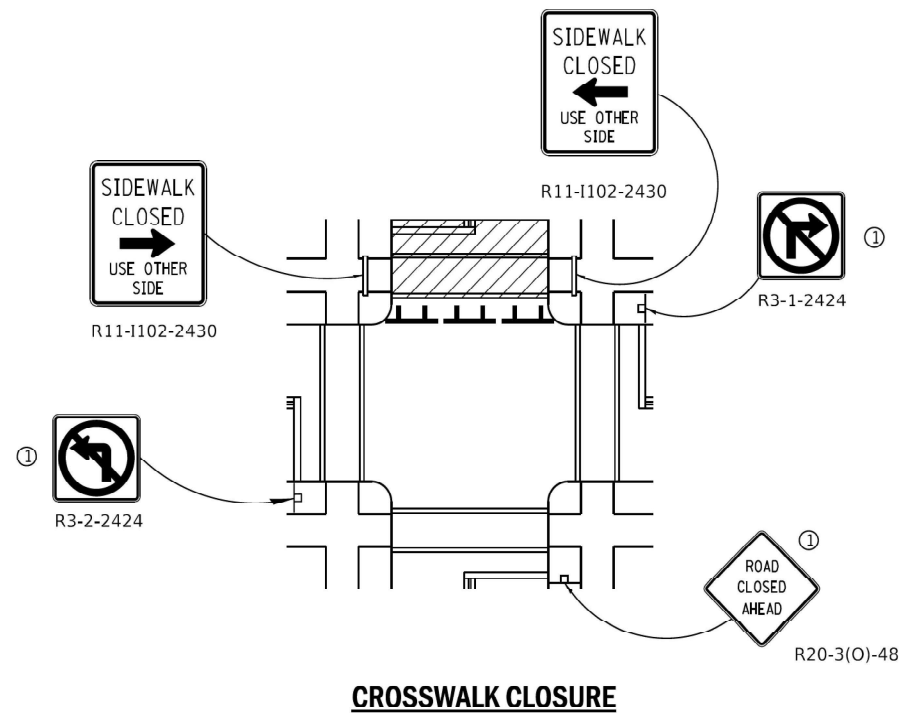
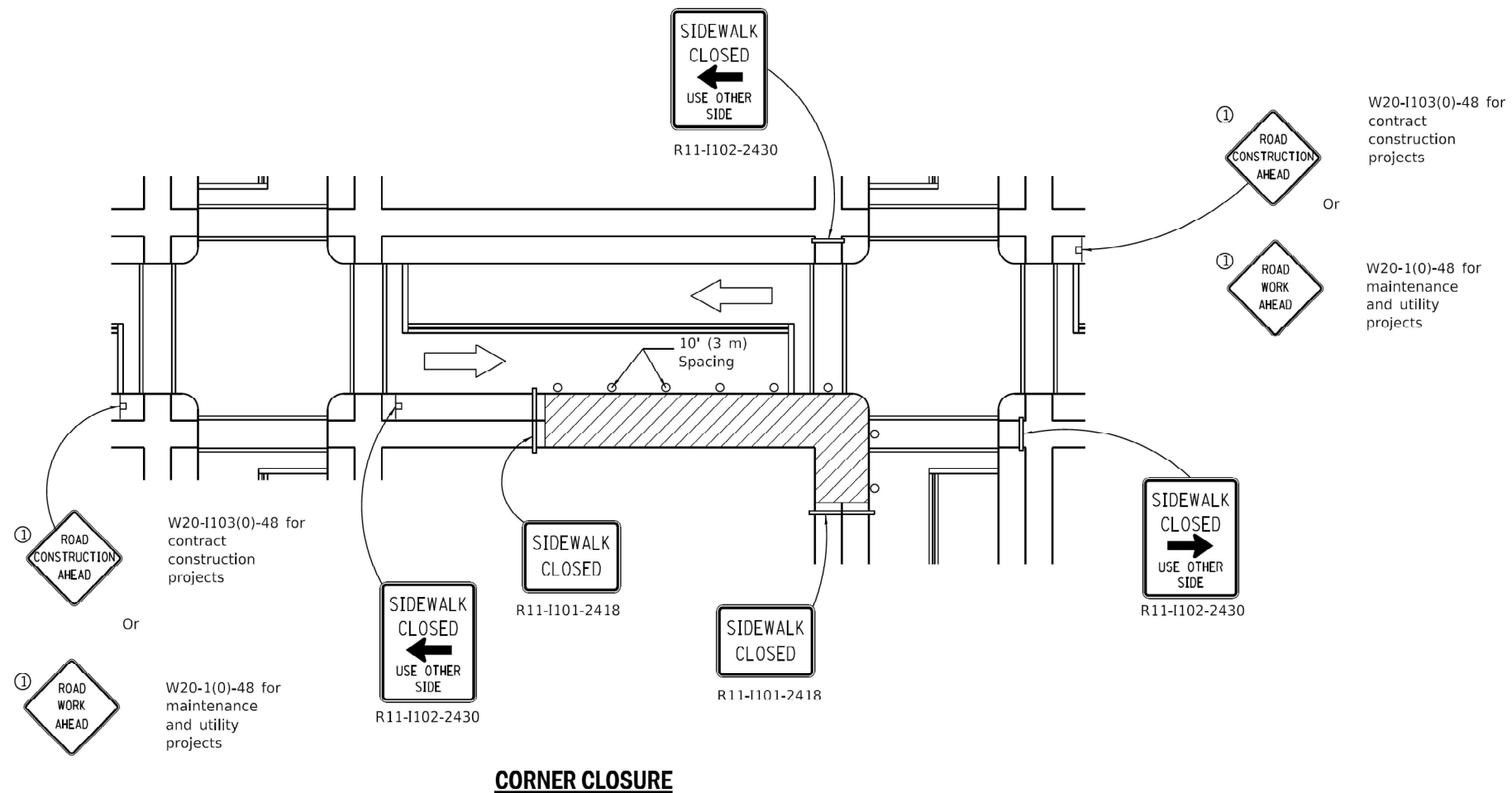
Model: Default  
File Name: p:\bentley.com\khpw\01\Documents\01 Active Projects\MM\CHS-160953\100 - IL 6NPhase 1112 Design\CAD\Plan Sheets\West Corridor General Sheet\0106171-shd-details13\_CHA.dgn

USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / 1" =	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	2020-263-SUR.SW&TS	DUPAGE	529	527
TC-26		CONTRACT NO. 62N33		
ILLINOIS		FED. AID PROJECT		



Model: Default  
File Name: C:\pwworkspace\Bentley\Drawings\Illinois\Highway\Standard\Sheet\701801-06.dgn  
Project: I-55/US-40 Corridor, General Sheet\701801-06.dgn  
Phase: 112 Design\CA\Plan Sheets\West Corridor General Sheet\701801-06.dgn



Illinois Department of Transportation	
PASSED	April 1, 2016
ENGINEER OF SAFETY ENGINEERING	
APPROVED	April 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT	

<b>SIDEWALK, CORNER OR CROSSWALK CLOSURE</b>	
(Sheet 2 of 2)	
<b>STANDARD 701801-06</b>	