

**GENERAL**

**CONSTRUCTION INTERIM COMPLETION DATE:**

CONSTRUCTION OF THIS PROJECT (EXCEPT STEEL PAINTING) SHALL BE COMPLETED AND THE BRIDGE SHALL BE FULLY OPEN TO TRAFFIC BY 10/31/2022. CONSTRUCTION OF THE STEEL PAINTING SHALL BE COMPLETED BY 6/30/2023.

**UTILITIES**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

**SEWERS:** CITY OF INDEPENDENCE  
6800 BRECKSVILLE ROAD  
INDEPENDENCE, OHIO 44131  
ATTN.: DONALD RAMM  
PHONE: (216) 524-1374  
rammdo@independenceohio.org

**WATER:** CITY OF CLEVELAND DIVISION OF WATER  
1201 LAKESIDE AVENUE  
CLEVELAND, OHIO 44114  
ATTN.: FRED ROBERTS  
PHONE: (216) 664-2444 x75590  
fred.roberts@clevelandwater.com

**TELEPHONE:** AT&T LOCAL  
13630 LORAIN AVENUE - 2ND FLOOR  
CLEVELAND, OHIO 44111  
ATTN.: JAMES JANIS  
PHONE: (216) 476-6142  
FAX: (216) 476-6013  
pj8191@att.com

AT&T TRANSMISSION/LONG LINES  
755 EAST PLEASANT VALLEY ROAD, SUITE 140  
INDEPENDENCE, OHIO 44131  
ATTN.: MIKE DIEDERICH  
PHONE: (216) 750-0135  
md4145@att.com

AT&T LNS/METRO  
THAYER POWER AND COMMUNICATION, LLC  
12345 WORTHINGTON ROAD NW  
PATASKALA, OHIO 43062  
ATTN.: CHRIS MCCLOSKEY  
PHONE: (614) 379-6419  
ChrisMcCloskey@thayerpc.com

CENTURYLINK  
400 CHESTER AVENUE  
CLEVELAND, OHIO 44103  
ATTN.: DOUG HOLLOWAY  
PHONE: (440) 906-6284  
doug.holloway@centurylink.com

CHARTER COMMUNICATIONS  
7 SEVERENCE CIRCLE  
CLEVELAND HEIGHTS, OHIO 44118  
ATTN.: PAT SANTOIERMO  
PHONE: (216) 575-8016 EXT. 12165554202  
FAX: (216) 581-3262  
Pat.Santoiermo@charter.com

CROWN CASTLE  
15565 NEO PKWY  
GARFIELD HEIGHTS, OHIO 44128  
ATTN.: JON TARNOWSKI  
PHONE: (585) 445-5813  
Jon.Tarnowski@crowncastle.com

WINDSTREAM  
ATTN.: LEON TAYLOR  
50 EXECUTIVE PKWY  
HUDSON, OHIO 44236  
PHONE: (330) 650-7663  
Leon.Taylor@windstream.com

MARK MILLS  
102 EAST SHAFER STREET  
FORSYTH, ILLINOIS 62535  
PHONE: (217) 460-0002  
Mark.Mills@windstream.com

WOWI CABLE  
105 BLAZE INDUSTRIAL PARKWAY  
BEREA, OHIO 44017  
ATTN.: JOSEPH AULT  
PHONE: (216) 904-6476  
joseph.ault@wowinc.com

ZAYO FIBER SOLUTIONS  
4199 KINROSS LAKES PARKWAY  
RICHFIELD, OHIO 44286  
ATTN.: COLTON WOODRUFF  
PHONE: (419) 631-1303  
colton.woodruff@zayo.com

**ELECTRIC:** CEI FIRST ENERGY  
6896 MILLER ROAD, SUITE 101  
BRECKSVILLE, OHIO 44141  
ATTN.: JOHN ZASSICK  
PHONE: (440) 546-8706  
jmzassick@firstenergycorp.com

**GAS:** DOMINION ENERGY OHIO  
320 SPRINGSIDE DRIVE, SUITE 320  
AKRON, OHIO 44333  
ATTN.: AARON CONANT  
PHONE: (330) 664-2451  
k.aaron.conant@dominionenergy.com

ODOT LIGHTING: ODOT DISTRICT 12  
25609 EMERY ROAD  
WARRENSVILLE HEIGHTS, OHIO 44128  
ATTN.: DAVID NIMRICHTER SR.  
PHONE: (216) 584-2296  
david.nimrichter@dot.ohio.gov

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

FOR COORDINATION REGARDING THE TORNADO WARNING SIREN LOCATED AT THE SOUTHWEST BRIDGE CORNER, CONTACT:

CITY OF INDEPENDENCE  
6800 BRECKSVILLE ROAD  
INDEPENDENCE, OHIO 44131  
ATTN.: DONALD RAMM  
PHONE: (216) 524-1374  
rammdo@independenceohio.org

**DOMINION EAST OHIO GAS FACILITIES**

IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE LATERAL AND SUBJACENT SUPPORT OF DOMINION ENERGY'S PIPELINE(S), IN COMPLIANCE TO 29 CFR, PART 1926, SUBPART P, (SAFE EXCAVATION & SHORING). ONE-FOOT MINIMUM VERTICAL AND HORIZONTAL CLEARANCE MUST BE MAINTAINED BETWEEN DOMINION ENERGY OHIO'S (DEO) EXISTING PIPELINE(S) AND ALL OTHER IMPROVEMENTS. EXTREME CARE SHOULD BE TAKEN NOT TO HARM ANY DEO FACILITY (PIPELINES, ETC.) OR APPURTENANCE (PIPE COATING, TRACER WIRE, CATHODIC PROTECTION TEST STATION WIRES & DEVICES, VALVE BOXES, ETC.). DEO FACILITIES MUST BE PROTECTED WITH A TARP DURING BRIDGE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE AND LIABLE FOR ENSURING THAT ALL DEO EXISTING FACILITIES, ABOVE AND BELOW GROUND, REMAIN UNDAMAGED, ACCESSIBLE, AND IN WORKING ORDER. THE CROSSING OF DEO'S PIPELINE WITH ANOTHER STEEL FACILITY MAY CREATE A POTENTIAL CORROSION ISSUE FOR THE PROPOSED FACILITY AND THE EXISTING DEO FACILITY. PLEASE CONTACT DOMINION EAST OHIO'S CORROSION DEPARTMENT: DAVE CUTLIP (330-266-2121), RICK MCDONALD (330-266-2122), OR AL HUMRICHOUER (330-478-3757).

**COORDINATION WITH OTHER CONTRACTORS**

IN ADDITION TO THE REQUIREMENTS OF C&MS 105.08, THE FOLLOWING PROJECTS ARE KNOWN TO BE WORKING CONCURRENTLY:

"BRECKSVILLE ROAD IMPROVEMENTS" PROJECT FOR THE CITY OF INDEPENDENCE.

THE ODOT PROJECT CUY-480-18.42 (PID 90591), I.R. 480 BRIDGE OVER THE CUYAHOGA RIVER VALLEY, INCLUDING APPROACH ROADWAY WORK ON THE MAINLINE AND I.R. 77 INTERCHANGE RAMP.

ODOT PROJECT CUY-21-8.22 (PID 89257), RESURFACING OF BRECKSVILLE ROAD FROM ROCKSIDE ROAD TO GRANGER ROAD.

**GREATER CLEVELAND REGIONAL TRANSIT AUTHORITY (GCRTA)**

THE CONTRACTOR SHALL NOTIFY GCRTA FIVE (5) DAYS PRIOR TO THE IMPLEMENTATION OF MAINTENANCE OF TRAFFIC OPERATIONS.

**CONSTRUCTION NOISE**

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. A NOISE WAIVER HAS BEEN GRANTED BY THE CITY OF INDEPENDENCE FOR DEMOLITION AND DECK POURING ACTIVITIES ONLY. CONDUCT ALL OPERATIONS TO MINIMIZE THE NOISE AND COMPLY WITH SPECIFICATION 107.

**SURVEYING PARAMETERS**

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE THIS SHEET FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

**PROJECT CONTROL**

POSITIONING METHOD: RTK GPS  
MONUMENT TYPE: B

VERTICAL POSITIONING  
ORTHOMETRIC HEIGHT DATUM: NAVD88  
GEOID: ~~SE@1111~~ 12@ONE (3401)

HORIZONTAL POSITIONING  
REFERENCE FRAME: NAD83(2011)  
ELLIPSOID: GRS80  
MAP PROJECTION: LAMBERT CONFORMAL CONIC  
COORDINATE SYSTEM: OHIO STATE PLANE

COMBINED SCALE FACTOR: 0.99923526889  
ORIGIN OF COORDINATE SYSTEM: X=0, Y=0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

**PRIMARY PROJECT CONTROL INFORMATION**

POINT	NORTHING	EASTING	ELEV.	FEATURE
2	635144.314	2204572.204	726.82	CMONS
202	635632.070	2204454.412	715.90	CNPT-IPINS

**WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

**PROJECT PARTICIPATION SPLITS**

THE FOLLOWING PARTICIPATION SPLITS ARE PRESENT WITHIN THIS PROJECT:

01/BRO/BR	PROJECT
02/NFP/BR	CITY OF INDEPENDENCE
03/NFP/BR	CROWN CASTLE
04/NFP/BR	CENTURYLINK
05/NFP/BR	WINDSTREAM
06/NFP/BR	CHARTER COMMUNICATIONS

**ITEM 202 - PAVEMENT REMOVED, AS PER PLAN**

PAVEMENT REMOVAL SHALL INCLUDE THE REMOVAL OF CONCRETE BASE, WEARING COURSE AND INTEGRAL CONCRETE CURB. ALL OTHER REQUIREMENTS OF C&MS 202 SHALL STILL APPLY.

**CLEARING AND GRUBBING**

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

**ROADWAY**

**ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)**

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016), EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

2 REVISION - 10/01/2021

5 REVISION - 10/18/2021

CALCULATED  
DRP  
CHECKED  
MEP

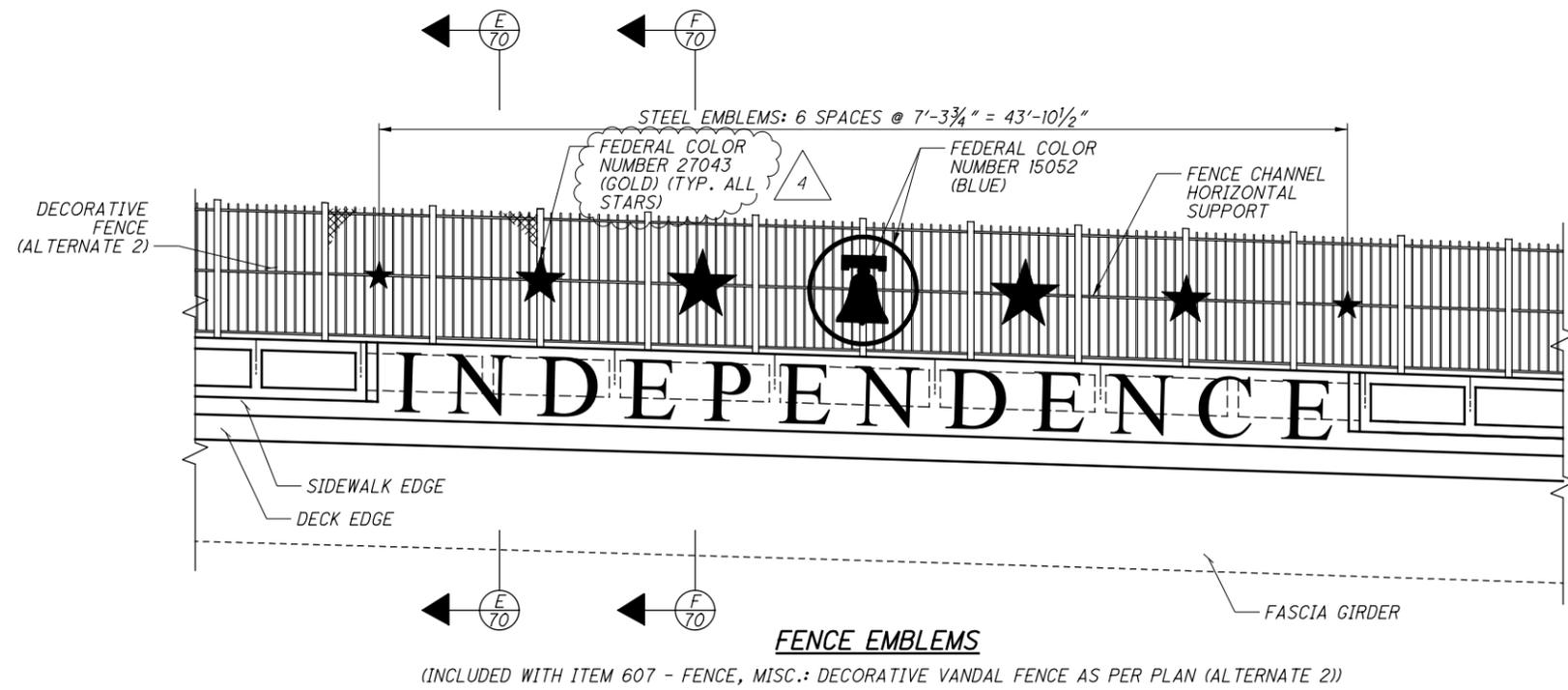
GENERAL NOTES

CUY - 021 - 09 . 09

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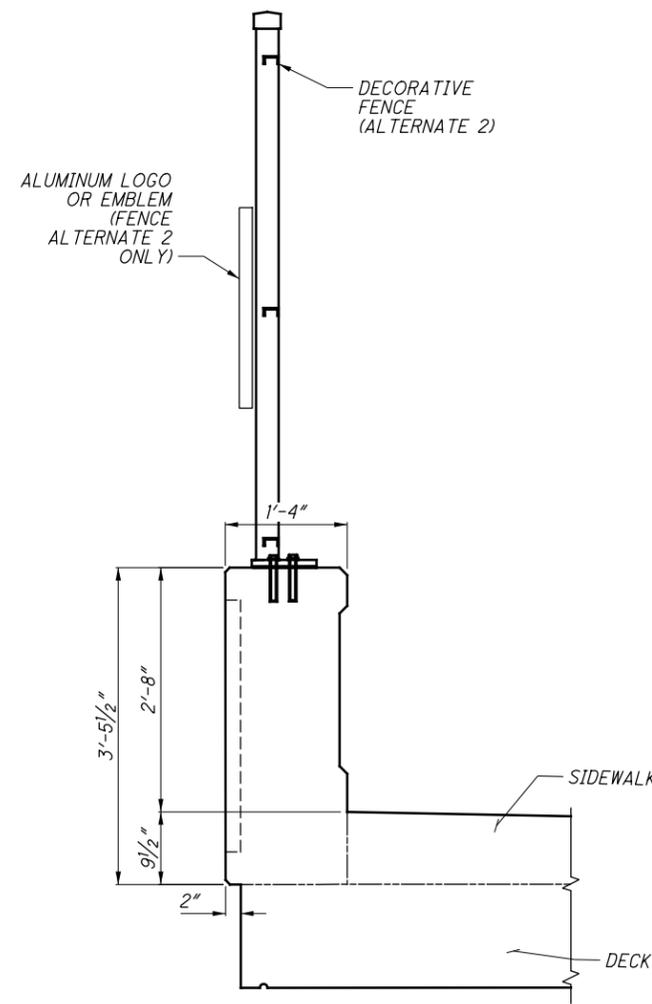


P:\000T\20170709\_000 District 12 - CUY-021-09\09\Design\Structures\CUY021-0909C\Sheets\02L0909C\_SMO01.dgn Sheet4 10/13/2021 8:45:54 AM ewellman

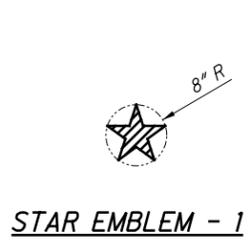


**NOTES**

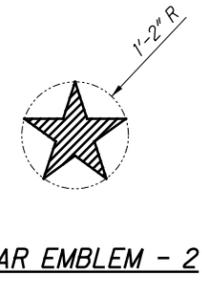
1. FENCE ALTERNATE 2 IS SHOWN IN ALL DETAILS ON THIS SHEET. FENCE ALTERNATE 2 INCLUDES LOGOS AND EMBLEMS AND IS PAID WITH ITEM 607 - FENCE, MISC.: DECORATIVE VANDAL PROTECTION FENCE, AS PER PLAN (ALTERNATE 2). FENCE ALTERNATE 1 INCLUDES THE STANDARD 6' STRAIGHT VANDAL PROTECTION FENCE PER VPF-1-90 WITHOUT LOGOS OR EMBLEMS PAID WITH ITEM 607 - VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC (ALTERNATE 1).
2. NO FIELD WELDING OR FIELD DRILLING OF HOLES WILL BE PERMITTED.
3. THE CITY OF INDEPENDENCE LOGO AND EMBLEMS SHALL BE ALUMINUM AND POWDER COATED PER THE GENERAL NOTES.
4. ALL LOGOS, EMBLEMS, AND SPACERS AND ATTACHMENTS FOR LOGO AND EMBLEMS TO BE INCLUDED WITH ITEM 607 - FENCE MISC.: DECORATIVE VANDAL PROTECTION FENCE AS PER PLAN (ALTERNATE 2) FOR PAYMENT.
5. SEE SHEET 34/40 FOR FENCE PANEL DETAILS.
6. THE EMBLEMS AND LOGOS SHALL BE FURNISHED BY THE FENCE FABRICATOR OR A FABRICATOR APPROVED BY THE ENGINEER.
7. EMBLEMS SHALL BE SUFFICIENTLY BOLTED AT MULTIPLE LOCATIONS TO RESIST DEFORMATION DUE TO WIND LOADS.



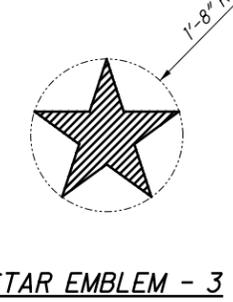
**E** 70 **STD. PARAPET SECTION**



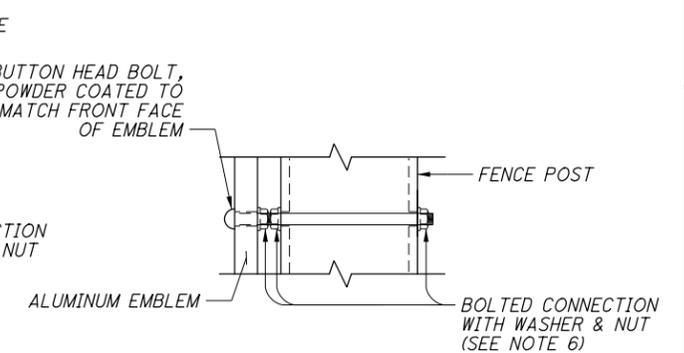
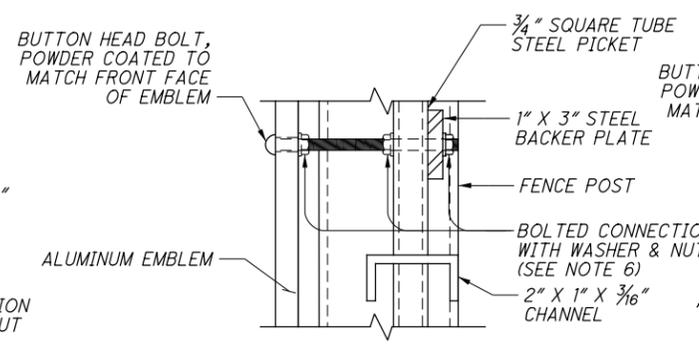
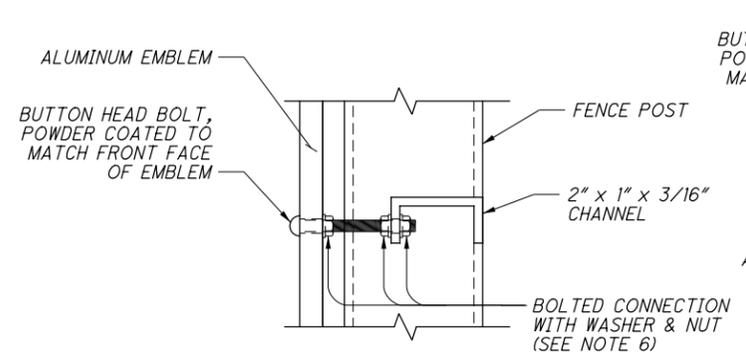
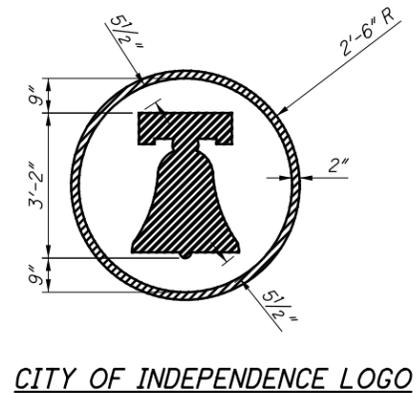
**F** 70 **EMBLEM-TO-CHANNEL CONNECTION**



**F** 70 **EMBLEM-TO-PICKET CONNECTION**



**E** 70 **EMBLEM-TO-POST CONNECTION**



DESIGN AGENCY	OSBORN ENGINEERING CLEVELAND, OHIO
DATE	10/28/19
REVIEWED	SMK
STRUCTURE FILE NUMBER	1813234
DRAWN	MJD
REVISOR	-
DESIGNED	MJD
CHECKED	PJW
<b>DECORATIVE FENCE (ALTERNATE 2) DETAILS - 1</b>	
BRIDGE NO. CUY-021-0909	
S.R. 21 (BRECKSVILLE ROAD) OVER I-480	
<b>CUY-021-09.09</b>	<b>PID No. 104000</b>
33/40	70/77