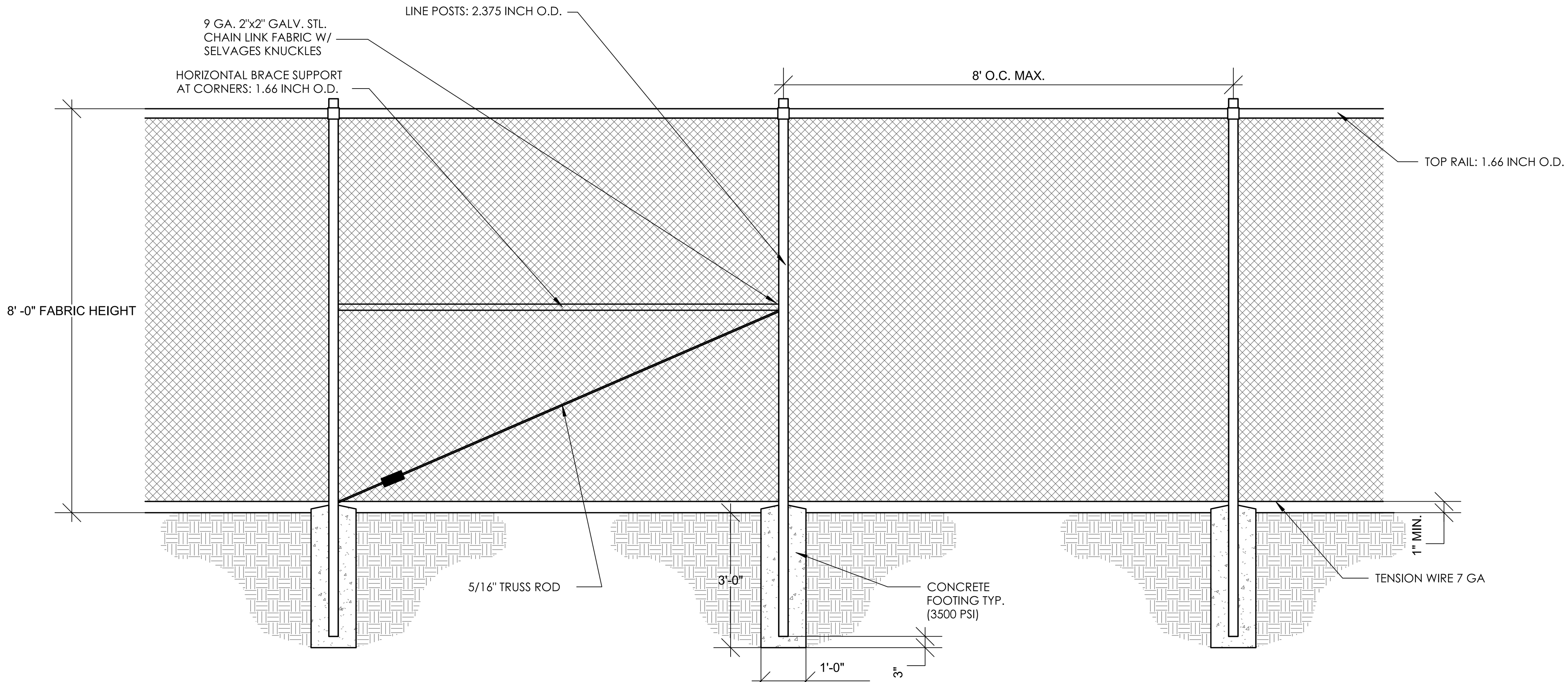


12 CHAIN LINK FENCE DETAIL

N.T.S. P-2-OFA-112

CHAIN LINK FENCE SPECIFICATIONS:
QUALITY ASSURANCE
A. MANUFACTURER: COMPANY HAVING MANUFACTURING FACILITIES IN THE UNITED STATES WITH A MINIMUM 5 YEARS EXPERIENCE SPECIALIZING IN MANUFACTURING OF CHAIN LINK FENCE PRODUCTS.
B. FENCE CONTRACTOR: CONTRACTOR HAVING 5 YEARS EXPERIENCE INSTALLING SIMILAR PROJECTS IN ACCORDANCE WITH ASTM F567.
C. TOLERANCES: ASTM CURRENT SPECIFICATION AND TOLERANCES APPLY AND SUPERSEDE ANY CONFLICTING TOLERANCE.
D. SUBSTITUTIONS: ALTERNATE CHAIN LINK PRODUCTS MAY BE ACCEPTABLE BY THE ARCHITECT AS EQUAL IF APPROVED IN WRITING TEN DAYS PRIOR TO BIDDING PROVIDED THAT THE ITEMS SUBMITTED MEET THE SPECIFICATIONS CONTAINED IN THIS DOCUMENT.
E. SINGLE SOURCE: TO ENSURE SYSTEM INTEGRITY OBTAIN THE CHAIN LINK SYSTEM, FRAMEWORK, FABRIC, FITTINGS, GATES AND ACCESSORIES FROM A SINGLE SOURCE.

PART 2 - PRODUCTS
2.1 MANUFACTURERS
A. SUBJECT TO COMPLIANCE WITH SPECIFICATIONS, USE PRODUCTS OF ONE OF THE FOLLOWING:
1. ALLIED TUBE AND CONDUIT CORP.
2. MASTER HALCO, INC.
3. UNITED STATES STEEL.
4. APPROVED ALTERNATE MANUFACTURER.

2.2 MATERIALS
A. FENCE FRAMEWORK-STEEL PIPE TYPE II: COLD FORMED ELECTRIC RESISTANCE WELDED STEEL PIPE COMPLYING WITH ASTM F1043 GROUP IA HAVING MINIMUM STEEL YIELD STRENGTH OF 30,000 PSI. EXTERNAL PROTECTIVE COATING F1043 TYPE B, 0.9 OZ/FT² (270 G/M²) MINIMUM HOT-DIP ZINC COATING PLUS A CHROMATE CONVERSION AND A CLEAR POLYMER COATING. INTERNAL COATING F1043 TYPE D, 81% NOMINAL ZINC PIGMENTED COATING MINIMUM 3 MILS (0.0076 MM) THICK OR TYPE B, MINIMUM 0.9 OZ/FT² (275 G/M²) ZINC.
B. MATERIALS
1. END, CORNER, AND PULL POSTS: GALVANIZED STEEL; MINIMUM SIZES AND WEIGHTS AS FOLLOWS:
a. UP TO 6 FOOT FABRIC HEIGHT: 2.375 INCH OUTSIDE DIAMETER PIPE, 3.65 LBS/LIN FT OR 3.5 X 3.5 INCH ROLL FORMED SECTION, 4.85 LBS/LIN FT.
b. OVER 6 FOOT FABRIC HEIGHT: 4-INCH OUTSIDE DIAMETER PIPE, 5.79 LBS/LIN FT; OR 3.5 X 3.5 INCH ROLL FORMED SECTION, 4.85 LBS/LIN FT.
2. LINE POSTS: GALVANIZED STEEL; MINIMUM SIZES AND WEIGHTS AS FOLLOWS:
a. UP TO 6 FOOT FABRIC HEIGHT: 1.90 INCH OUTSIDE DIAMETER PIPE, 2.70 LBS/LIN FT; OR 1.875 X 1.625 INCH C-SECTION, 2.78 LBS/LIN FT.
b. 6 FOOT TO 8 FOOT FABRIC HEIGHT: 2.375 INCH OUTSIDE DIAMETER PIPE, 3.65 LBS/LIN FT; OR 2/25 X 1.875 INCH H-SECTION, 2.64 LBS/LIN FT.
c. OVER 8 FOOT FABRIC HEIGHT: 4-INCH OUTSIDE DIAMETER PIPE, 5.79 LBS/LIN FT; OR 2.25 X 1.875 H SECTION, 3.26 LBS/LIN FT.
3. GATE POSTS: GALVANIZED STEEL; FOR SINGLE GATE OR ONE LEAF OF DOUBLE GATE, AS FOLLOWS:
a. UP TO 6 FOOT HEIGHT; 2.875 INCH OUTSIDE DIAMETER PIPE, 5.79 LBS/LIN FT; OR 3.5 X 3.5 ROLL FORMED SECTION, 4.85 LBS/LIN FT.
b. 6 FOOT TO 13 FOOT HEIGHT: 4 INCH OUTSIDE DIAMETER PIPE, 9.11 LBS/LIN FT.
4. TOP RAIL AND INTERMEDIATE RAILS: GALVANIZED STEEL, MANUFACTURER'S LONGEST LENGTHS.
a. TYPICAL: 1.66 INCH OUTSIDE DIAMETER PIPE, 2.27 LBS/LIN FT; OR 1.625 X 1.25 INCH ROLL FORMED SECTION, 1.35 LBS/LIN FT.
b. COUPLINGS: EXPANSION TYPE, APPROXIMATELY 6 INCHES LONG.
c. ATTACHING DEVICES: MEANS OF ATTACHING TOP RAIL SECURELY TO EACH GATE, CORNER, PULL, AND END POST.
d. AT 18 FOOT TALL FENCE, PROVIDE BOTTOM RAIL, INTERMEDIATE RAILS AT 6' & 12', AND TOP RAIL.
C. FABRIC: TYPE II ZINC-COATED CLASS 4 WEIGHT OF ZINC COATING 1.2 OZ/SQUARE FOOT NO. 7 GAUGE GALVANIZED STEEL WIRE IN 2 INCH MESH, WITH BOTH TOP AND BOTTOM SELVAGES KNUCKLED.

2.3 FITTINGS
A. POST CAPS: ASTM F626 GALVANIZED PRESSED STEEL, MALLEABLE IRON, OR ALUMINUM ALLOY WEATHER TIGHT CLOSURE CAP FOR TUBULAR POSTS. PROVIDE ONE CAP FOR EACH POST. "C" SHAPED LINE POST WITHOUT TOP RAIL DO NOT REQUIRE POST CAPS. WHEN TOP RAIL IS SPECIFIED PROVIDE LINE POST LOOP TOPS TO SECURE TOP RAIL.
B. RAIL ENDS: GALVANIZED PRESSED STEEL PER ASTM F626, FOR CONNECTION OF RAILS TO POST USING A BRACE BAND.
C. TOP RAIL SLEEVES: 7" (178 MM) GALVANIZED STEEL SLEEVE PER ASTM F626.
D. WIRE TIES: 9 GAUGE (0.148") GALVANIZED STEEL WIRE FOR ATTACHMENT OF FABRIC TO LINE POSTS AND RAILS. PRE-FORMED HOG RING TIES TO BE 9 GAUGE (0.148") GALVANIZED STEEL OR ALUMINUM FOR ATTACHMENT OF FABRIC TO TENSION WIRE. TIE WIRE AND HOG RINGS PER ASTM F626.
E. BRACE AND TENSION (STRETCHER BAR) BANDS: ASTM F626 GALVANIZED 12 GAUGE (0.105") PRESSED STEEL BY 3/4" FORMED TO A MINIMUM 300 DEGREE PROFILE CURVATURE FOR POST ATTACHMENT. SECURE BANDS USING MINIMUM 5/16" GALVANIZED CARRIAGE BOLT AND NUT.
F. TENSION (STRETCHER) BARS: GALVANIZED STEEL ONE PIECE LENGTH EQUAL TO 2 INCHES (50 MM) LESS THAN FULL HEIGHT OF FABRIC WITH A MINIMUM CROSS-SECTION OF 3/16" X 3/4" PER ASTM F626. PROVIDE TENSION (STRETCHER) BARS WHERE CHAIN LINK FABRIC IS SECURED TO THE TERMINAL POST.
G. TRUSS ROD ASSEMBLY: GALVANIZED STEEL MINIMUM 5/16" DIAMETER TRUSS ROD WITH PRESSED STEEL TIGHTENER, IN ACCORDANCE WITH ASTM F626.
H. CARRIAGE BOLTS AND NUTS: GALVANIZED OF COMMERCIAL QUALITY.

2.4 TENSION WIRE
A. TENSION WIRE: ASTM A824 TYPE II, ZINC COATED (GALVANIZED) STEEL WIRE, 7 GAUGE, (0.177") DIAMETER WIRE HAVING A TENSILE STRENGTH OF 75,000 PSI (517 MPA).
1. CLASS 4 1.20 OZ/FT² (366 G/M²)
2.5 CHAIN LINK SWING GATE
A. SWING GATES SIZE PER PLANS. FABRICATE CHAIN LINK SWING GATES IN ACCORDANCE WITH ASTM F900. GATE FRAME TO BE OF WELDED CONSTRUCTION. WELD AREAS TO BE PROTECTED WITH ZINC-RICH PAINT PER ASTM A780. THE GATE FRAME MEMBERS ARE TO BE SPACED NO GREATER THAN 8' 0" APART HORIZONTALLY OR VERTICALLY. EXTERIOR MEMBERS TO BE 1.900" OD PIPE, INTERIOR MEMBERS WHEN REQUIRED SHALL BE 1.660" OD PIPE. PIPE TO BE GRADE 1 ASTM F1083 PER SECTION 2.03. CHAIN LINK FABRIC TO MATCH SPECIFICATION OF FENCE SYSTEM. FABRIC TO BE STRETCHED TIGHTLY AND SECURED TO VERTICAL OUTER FRAME MEMBERS USING TENSION BAR AND TENSION BANDS SPACED 12" ON CENTER AND TIED TO THE HORIZONTAL AND INTERIOR MEMBERS 12" ON CENTER USING 9 GAUGE GALVANIZED STEEL TIES PER SECTION 2.04.
B. HINGES, HOT DIP GALVANIZED PRESSED STEEL OR MALLEABLE IRON, STRUCTURALLY CAPABLE OF SUPPORTING GATE LEAF AND ALLOW OPENING AND CLOSING WITHOUT BINDING. NON-LIFT-OFF TYPE HINGE DESIGN SHALL PERMIT GATE TO SWING 180° (3.14 RAD)
C. LATCH: SURFACE MOUNT PUNCH GATE LOCK EQUAL TO LOCKEY SUMO GL2 WITH CL2LINX ADAPTER FOR CHAIN LINK.
D. GATE POSTS: GRADE 1 PIPE ASTM F1083 PER SECTION 2.03, SIZE PER TABLE BELOW
E. GATE FABRIC HEIGHT OVER 6 FT. TO 12 FT. (1.2M TO 2.4M)GATE LEAF WIDTH OUTSIDE DIAMETER UP TO 6 FT.2.875 IN.OVER 6 FT. TO 12 FT.4.000 IN.OVER 12 FT. TO 18 FT.6.625 IN. OVER 18 FT. TO 24 FT.8.625 IN.

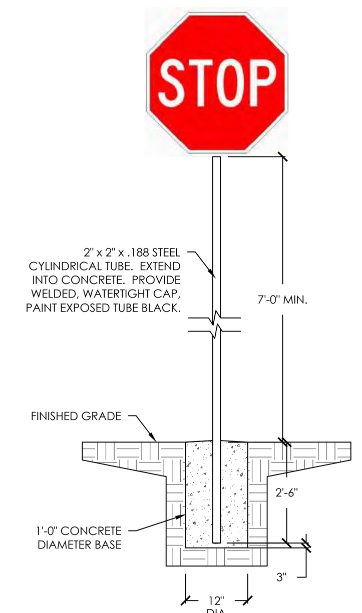
2.6 CHAIN LINK INTERNAL TRACK ALUMINUM CANTILEVER SLIDE GATE
A. ALUMINUM CANTILEVER SLIDE GATE SINGLE LEAF 7' HIGH X LENGTH PER PLAN SHALL BE OF THE INTERNAL ROLLER DESIGN PER ASTM F1184 TYPE II CLASS 2. CANTILEVER SLIDE GATE TO BE CONSTRUCTED OF ASTM B221 ALUMINUM MEMBERS WELDED AND DESIGNED FOR MAXIMUM STRUCTURAL INTEGRITY. VERTICAL EXTERNAL AND INTERNAL MEMBERS MINIMUM 4" SQUARE, SPACED MAXIMUM 8' 0" ON CENTER. GATES HAVING FABRIC GREATER THAN 8' 0" IN HEIGHT REQUIRE A HORIZONTAL MEMBER. THE TOP HORIZONTAL MEMBER SHALL BE A ONE-PIECE PRECISION EXTRUDED STRUCTURAL FRAMING MEMBER HAVING AN INTEGRAL ENCLOSED TRACK. BOTTOM HORIZONTAL MEMBER TO BE MINIMUM 2" X 4". ADJUSTABLE DIAGONAL X TRUSSES SHALL BE INSTALLED IN EACH GATE PANEL TO TRANSFER THE ALTERNATING FORCES AS THE GATE SLIDES. THE GATE OPENING PORTION SHALL BE FILLED WITH CHAIN LINK FABRIC STRETCHED TAUT AND SECURED TO THE FRAME MEMBERS. CHAIN LINK FABRIC SHALL MATCH THE FENCE SYSTEM SPECIFICATION. THE OVERALL GATE STRUCTURE SHALL BE A MINIMUM OF 40% LARGER THAN THE GATE OPENING TO SUPPORT THE CANTILEVERED PORTION OF THE GATE IN THE CLOSED POSITION WITH MINIMUM DEFLECTION PER ASTM F1184. ELECTRICALLY OPERATED GATES PER ASTM F2200 AND UL 325 REQUIRED THE BACK FRAME TO BE FILLED WITH FABRIC. SINGLE LEAF CANTILEVER DESIGN FOR OPENINGS LARGER THAN 30' 0" (9.15 M) UP TO 40' 0" SHALL BE FABRICATED BY WELDING TOGETHER TWO HORIZONTAL TOP STRUCTURAL/TRACK MEMBERS CREATING A DUAL TRACK SYSTEM. SINGLE TRACK GATES UP TO 30' 0" (9.15 M) OPENING REQUIRE TWO SUPPORT POSTS AND TWO INTERNAL TRUCK ASSEMBLIES. DUAL TRACK GATES OVER 30' 0" (9.15 M) UP TO 40' 0" (12.2 M) REQUIRE TWO SETS OF DUAL POSTS AND FOUR INTERNAL TRUCK ASSEMBLIES.
B. INTERNAL TRUCK ASSEMBLIES SHALL BE CAPABLE OF SWIVELING TO ACCOMMODATE GATE MOVEMENT AND ENSURE FULL CONTACT OF THE FOUR SUPPORT WHEELS AND TWO GUIDE WHEELS TO THE INTERNAL TRACK SURFACE. THE GALVANIZED STEEL TRUCK ASSEMBLY POST BRACKET, TRUCK ASSEMBLY VERTICAL SUPPORT AXLE AS WELL AS THE SUPPORT WHEELS SHALL BE DESIGNED TO HANDLE STATIC AND DYNAMIC FORCES REQUIRED TO SUPPORT AND OPERATE THE GATE. THE TRUCK ASSEMBLY, SUPPORT AXLE AND INTERNAL WHEELS SHALL BE COMPRISED OF STAINLESS STEEL OR GALVANIZED STEEL COMPONENTS.
C. GALVANIZED STEEL BOTTOM GUIDE ROLLER BRACKETS CONTAINING TWO 3" RUBBER WHEELS SHALL BE SUPPLIED TO KEEP THE BOTTOM OF THE GATE PLUMB AND IN PROPER ALIGNMENT.
D. (REMOVED)
E. CANTILEVER GATE POSTS SHALL BE 4" SQUARE SCH40. SINGLE LEAF CANTILEVERS UP TO 30' 0" REQUIRE THREE 4" SQUARE POSTS, DUAL TRACK SINGLE LEAF CANTILEVERS OVER 30' 0" UP TO 40' 0" REQUIRE TWO SETS OF PRE FABRICATED DUAL 4" SQUARE SUPPORT POSTS AND ONE 4" (101.6 MM) LATCH POST. (GATE IS SUPPORTED IN THE CENTER OF THE DUAL POSTS.)

2.7 POST SETTING MATERIALS
A. CONCRETE: MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI (20 MPA).

PART 3 - EXECUTION
3.1 SITE EXAMINATION
A. ENSURE PROPERTY LINES AND LEGAL BOUNDARIES OF WORK ARE CLEARLY ESTABLISHED.
B. SURVEY OF FENCE LOCATION TO BE PROVIDED BY GENERAL CONTRACTOR.
C. VERIFY AREAS TO RECEIVE FENCING ARE COMPLETED TO FINAL GRADE.

3.2 CHAIN LINK FRAMEWORK INSTALLATION
A. INSTALL CHAIN LINK FENCE SYSTEM IN ACCORDANCE WITH ASTM F567 AND MANUFACTURER'S INSTRUCTIONS.
B. LOCATE TERMINAL POST AT EACH FENCE TERMINATION AND CHANGE IN HORIZONTAL OR VERTICAL DIRECTION OF 30° OR MORE.
C. SPACE LINE POSTS UNIFORMLY 8' (2438 MM) ON CENTER
D. CONCRETE SET POSTS: EXCAVATE HOLES IN FIRM, UNDISTURBED OR COMPACTED SOIL. HOLES SHALL HAVE DIAMETER 4 TIMES GREATER THAN OUTSIDE DIMENSION OF POST, AND DEPTHS APPROXIMATELY 6" DEEPER THAN POST BOTTOM. EXCAVATE DEEPER AS REQUIRED FOR ADEQUATE SUPPORT IN SOFT AND LOOSE SOILS, AND FOR POSTS WITH HEAVY LATERAL LOADS. SET POST BOTTOM 36" BELOW SURFACE WHEN IN FIRM, UNDISTURBED SOIL. PLACE CONCRETE AROUND POSTS IN A CONTINUOUS POUR. TROWEL FINISH AROUND POST AND SLOPE TO DIRECT WATER AWAY FROM POSTS. DRIVE ANCHOR SET LINE POSTS: WITH PROTECTIVE CAP, DRIVE POST 36" INTO GROUND. EXCAVATE A 6" DIAMETER BY 6" DEEP SECTION AROUND POST TO ACCOMMODATE THE DRIVE ANCHOR SHOE CLAMP. DRIVE THE 2 DIAGONAL DRIVE ANCHOR ANGLE BLADES INTO THE SOIL AND SECURELY TIGHTEN THE ANGLE BLADES TO POST VIA THE SHOE CLAMP, BACKFILL HOLE.
E. CHECK EACH POST FOR VERTICAL AND TOP ALIGNMENT, AND MAINTAIN IN POSITION DURING PLACEMENT AND FINISHING OPERATIONS.
F. BRACING: INSTALL HORIZONTAL BRACE AND TRUSS ASSEMBLY AT MID-HEIGHT OR ABOVE FOR FENCES 6' AND OVER AT EACH FABRIC CONNECTION TO THE TERMINAL POST. THE DIAGONAL TRUSS ROD IS INSTALLED AT THE POINT WHERE THE BRACE RAIL IS ATTACHED TO THE TERMINAL POST AND DIAGONALLY DOWN TO THE BOTTOM OF THE ADJACENT LINE POST. PLACE THE TRUSS ROD IN TENSION BY ADJUSTING THE TURNBUCKLE.
G. TENSION WIRE: INSTALL TENSION WIRES SO THAT IT WILL BE LOCATED 4" UP FROM BOTTOM THE FABRIC. IF TOP RAIL IS NOT SPECIFIED, INSTALL THE TENSION WIRE SO THAT IT WILL BE LOCATED 4" DOWN FROM THE TOP OF THE FABRIC. STRETCH AND INSTALL TENSION WIRE BEFORE INSTALLING THE CHAIN LINK FABRIC AND ATTACH IT TO EACH POST USING WIRE TIES.
H. TOP RAIL: INSTALL IN LENGTHS OF 21'. CONNECT ENDS WITH SLEEVES FORMING A RIGID CONNECTION, ALLOW FOR EXPANSION AND CONTRACTION.
I. CENTER RAILS: INSTALL MID RAILS BETWEEN LINE POSTS AND ATTACH TO POST USING RAIL END OR LINE RAIL CLAMPS. A CENTER RAIL IS REQUIRED FOR FABRIC HEIGHT 12' AND OVER.
J. BOTTOM RAILS: INSTALL BOTTOM RAILS BETWEEN POSTS AND ATTACH TO POST USING RAIL END OR LINE RAIL CLAMPS.

3.3 CHAIN LINK FABRIC INSTALLATION
A. FABRIC: INSTALL FABRIC ON SECURITY SIDE, PULL FABRIC TAUT; THREAD THE TENSION BAR THROUGH FABRIC AND ATTACH TO TERMINAL POSTS WITH TENSION BANDS SPACED MAXIMUM OF 15" ON CENTER AND ATTACH SO THAT FABRIC REMAINS IN TENSION AFTER PULLING FORCE IS RELEASED. INSTALL FABRIC SO THAT IT IS 2" +/- 1" ABOVE FINISH GRADE.
B. SECURE FABRIC USING WIRE TIES TO LINE POSTS AT 15" ON CENTER AND TO RAILS AND BRACES 24" ON CENTER, AND TO THE TENSION WIRE USING HOG RINGS 24" ON CENTER. TIE WIRE SHALL BE SECURED TO THE FABRIC BY WRAPPING IT TWO 360 DEGREE TURNS AROUND THE CHAIN LINK WIRE PICKETS. CUT OFF ANY EXCESS WIRE AND BEND BACK SO AS NOT TO PROTRUDE SO AS TO AVOID INJURY IF A PEDESTRIAN MAY COME IN CONTACT WITH THE FENCE.
3.4 CHAIN LINK INSTALLATION
A. SWING GATES: INSTALLATION OF SWING GATES AND GATE POSTS SHALL BE PER ASTM F567. DIRECTION OF SWING SHALL BE AS SHOWN ON DRAWINGS GATES SHALL BE HUNG PLUMB IN THE CLOSED POSITION WITH MINIMAL SPACE FROM GRADE TO BOTTOM OF GATE LEAF. DOUBLE GATE DROP BAR RECEIVER SHALL BE SET IN A MINIMUM CONCRETE FOOTING 6" DIAMETER BY 24" DEEP. GATE LEAF HOLDBACKS SHALL BE INSTALLED ON ALL DOUBLE GATES AND ALL GATE LEAFS GREATER THAN 5' IN WIDTH.
B. CANTILEVER SLIDE GATES: INSTALL CANTILEVER HORIZONTAL SLIDE GATES AND GATE POSTS IN ACCORDANCE WITH ASTM F567. CANTILEVER SLIDING GATES SHALL BE PLUMB IN THE CLOSED POSITION WITH MINIMAL GROUND CLEARANCE AND SLIDE WITH AN INITIAL FORCE OF 40 LBS. (18.14 KG). DOUBLE GATE DROP BAR RECEIVER SHALL BE SET IN A MINIMUM CONCRETE FOOTING 6" DIAMETER BY 24" DEEP. INSTALL TOP AND BOTTOM SAFETY ROLLER COVERS AND ADJACENT SAFETY GUIDE POSTS ON ASTM F1184 TYPE II CLASS 2 EXTERNAL ROLLER CANTILEVER SLIDE GATE APPLICATIONS
3.5 ELECTRICAL GROUNDING
A. GROUNDING WHEN REQUIRED SHALL BE THE RESPONSIBILITY OF A LICENSED ELECTRICAL CONTRACTOR AND INCLUDED IN CONTRACT SECTION 337900.
3.6 SITE CLEAN UP
A. CLEAN UP AREA ADJACENT TO FENCE LINE FROM DEBRIS AND UNUSED MATERIAL CREATED BY FENCE INSTALLATION.



11 SIGN POST DETAIL

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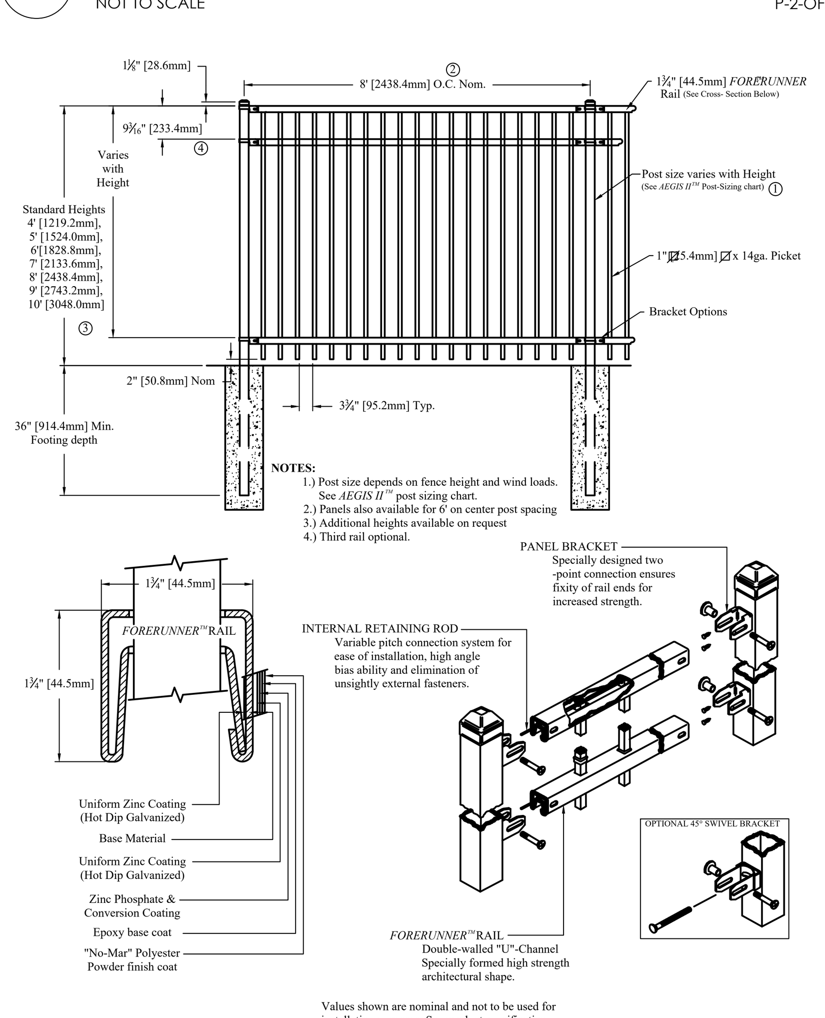
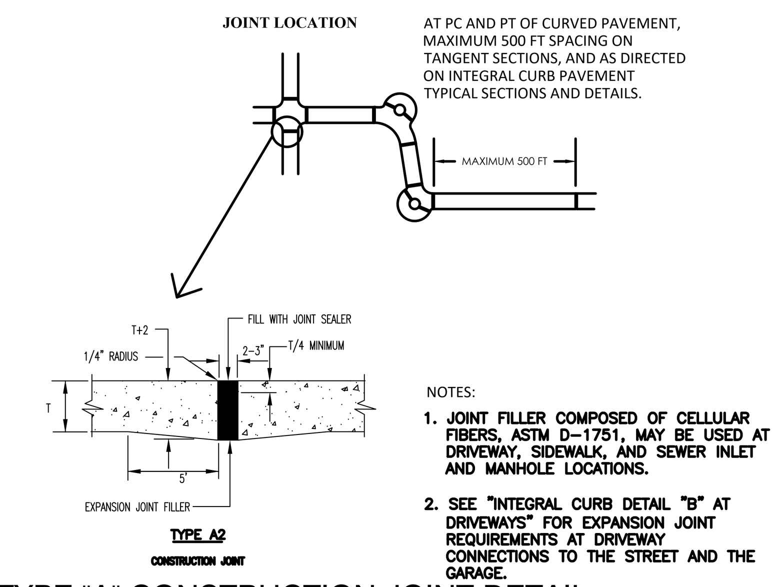


NOTE:
ANODIZED ALUMINUM FENCE SHALL MEET THE STRUCTURAL REQUIREMENTS OF IBC 2003 PARAGRAPH 1607.7.1, NON-CLIMABLE, ALL OPENINGS LESS THAN 4" IN WIDTH, ANCHOR WITH POST-INSTALLED FASTENERS BY FENCE VENDOR, COLOR AS SELECTED BY OWNER, AND INSTALL EXPANSION JOINTS AS REQUIRED IF PLACED IN CONCRETE.

10 48" ALUMINUM FENCE DETAIL

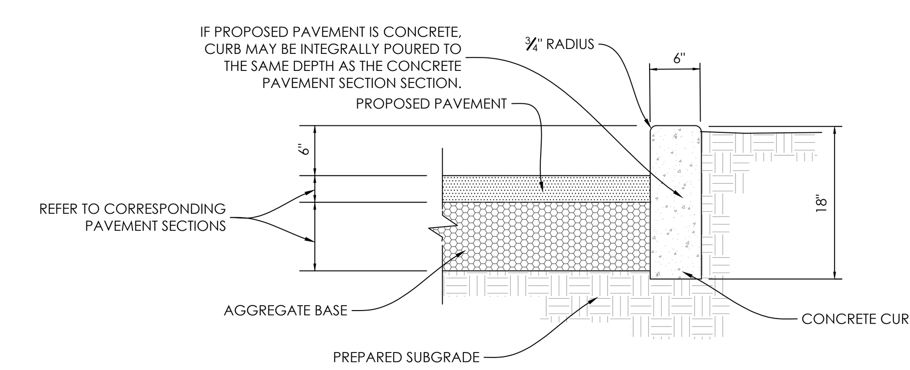
N.T.S. P-2-OFA-101



NOTES:
1. JOINT FILLER COMPOSED OF CELLULAR FIBERS, ASTM D-1751, MAY BE USED AT DRIVEWAY, SIDEWALK, AND SEWER INLET AND MANHOLE LOCATIONS.
2. SEE "INTEGRAL CURB DETAIL "B" AT DRIVEWAYS" FOR EXPANSION JOINT REQUIREMENTS AT DRIVEWAY CONNECTIONS TO THE STREET AND THE GARAGE.

9 TYPE "A" CONSTRUCTION JOINT DETAIL

N.T.S. P-2-OFA-75

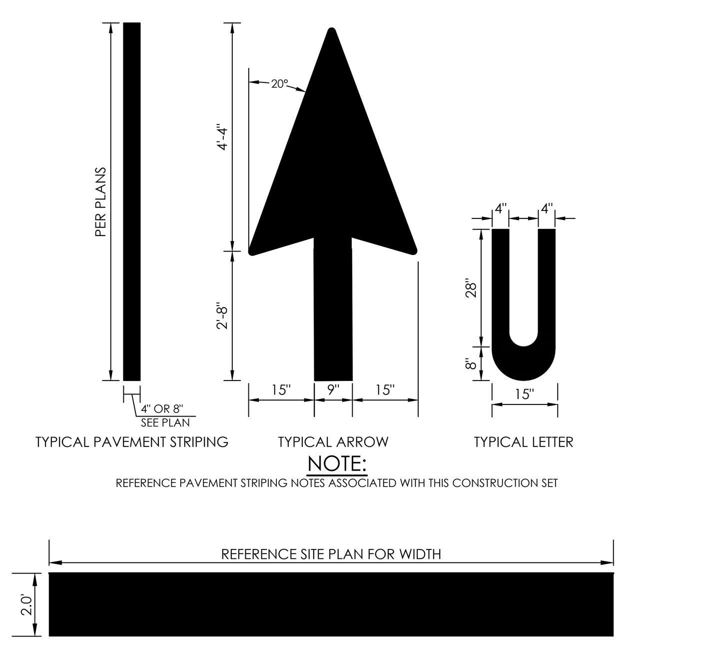


8 6" VERTICAL CONCRETE CURB

N.T.S. P-2-OFA-89

GENERAL NOTES

1. PAVEMENT-MARKING PAINT: ALKYD-RESIN TYPE, LEAD AND CHROMATE FREE, READY MIXED, COMPLYING WITH FS TT-P-115, TYPE I OR AASHTO M 248, TYPE N.
2. NEW ACCESSIBLE STRIPING FOR STALLS AND ACCESS AISLES SHALL BE OUTLINED IN BLUE PER LOCAL REQUIREMENTS. STRIPING VENDOR SHALL VERIFY LOCAL CODE. ALL OTHER NEW STRIPING SHOULD MATCH EXISTING SCHEME.
3. DO NOT APPLY PAVEMENT-MARKING PAINT UNTIL LAYOUT, COLORS, AND PLACEMENT HAVE BEEN VERIFIED WITH REGISTERED DESIGN PROFESSIONAL. A COLOR SAMPLE AND SKETCH IS TO BE PROVIDED TO DESIGN PROFESSIONAL.
4. SWEEP AND CLEAN SURFACE TO ELIMINATE LOOSE MATERIAL AND DUST DAILY.
5. APPLY PAINT WITH MECHANICAL EQUIPMENT TO PRODUCE PAVEMENT MARKINGS WITH UNIFORM STRAIGHT EDGES. APPLY AT MANUFACTURER'S RECOMMENDED RATES TO PROVIDE MINIMUM WET FILM THICKNESS OF 15 MILS (0.4 MM)
6. 4" WIDE STRIPES IN ACCESS AISLES SHALL BE 3' ON CENTER.



7 DIRECTIONAL PAVEMENT MARKINGS

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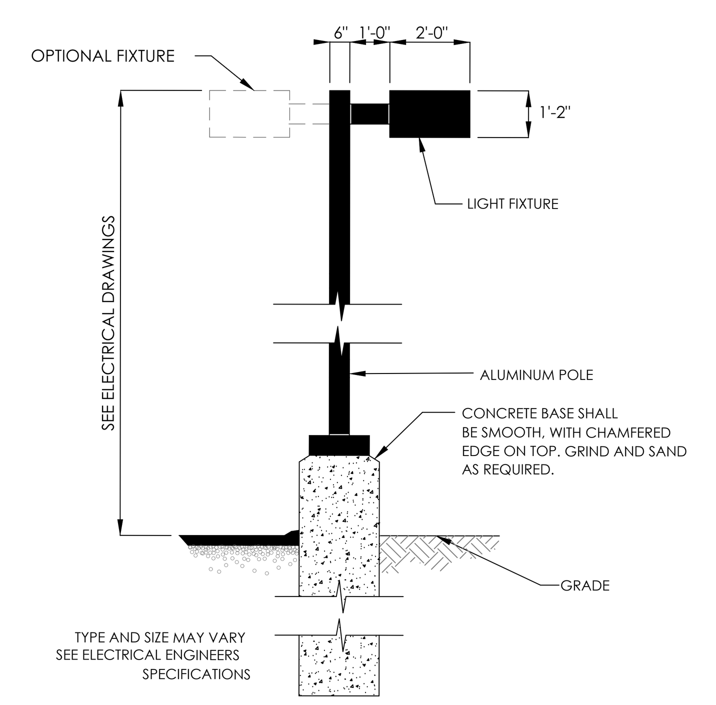
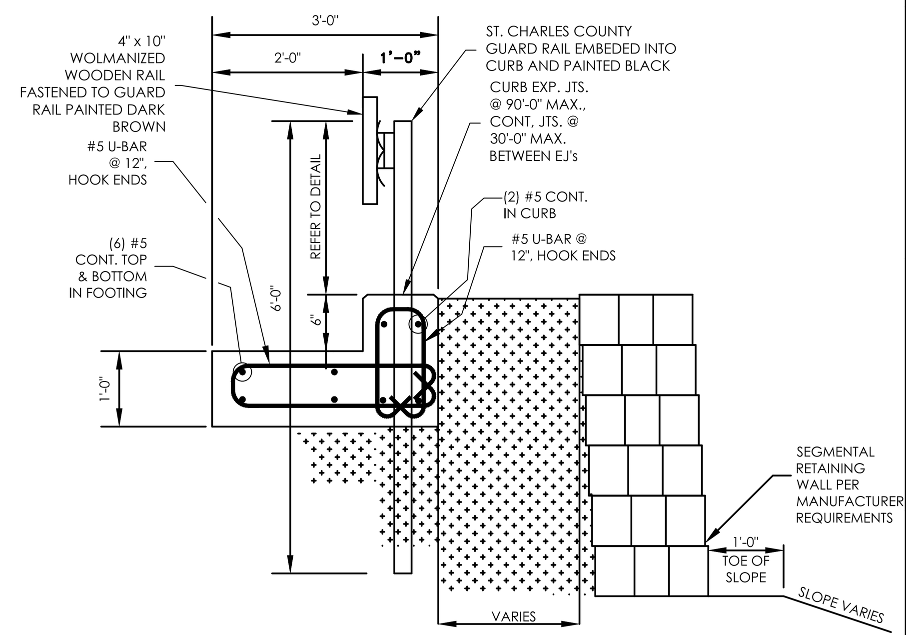


COORDINATE EXACT POLE BASE REQUIREMENTS WITH LIGHTING MANUFACTURER'S REPRESENTATIVE AND VERIFY DIAMETER OF POLE BASE WITH STRUCTURAL ENGINEER PRIOR TO INSTALLATION.

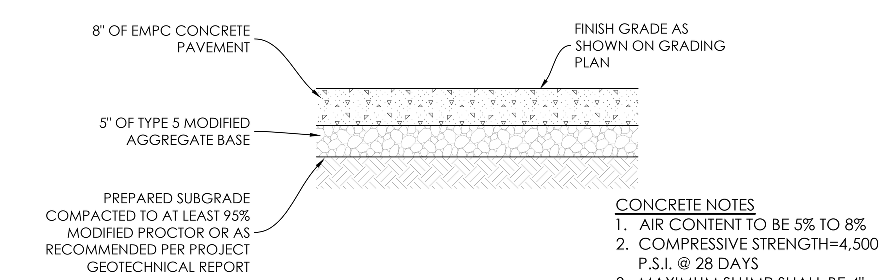
6 LIGHT STANDARD DETAIL

NOT TO SCALE P-2-OFA-73



5 3' WIDE CURB AND GUTTER WITH VEHICLE BARRIER DETAIL

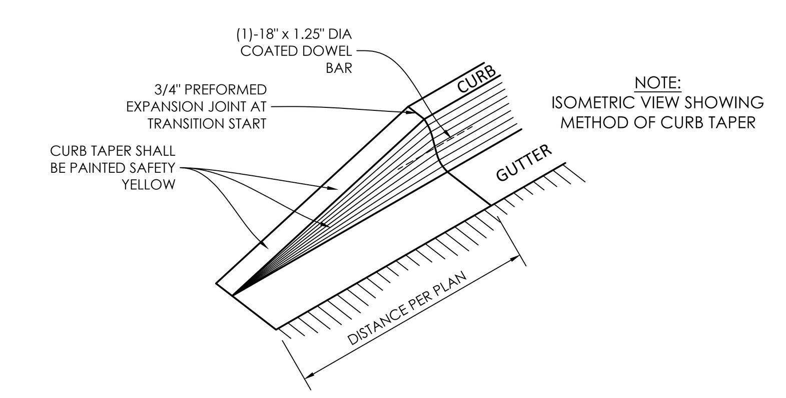
N.T.S. P-2-OFA-92



CONCRETE NOTES
1. AIR CONTENT TO BE 5% TO 8%
2. COMPRESSIVE STRENGTH=4,500 P.S.I. @ 28 DAYS
3. MAXIMUM SLUMP SHALL BE 4"
4. ALL CONCRETE SHALL BE PER THE LATEST EMPC STANDARDS AND SPECIFICATIONS

4 ROADWAY AND ENTRANCE CONCRETE PAVEMENT DETAIL

N.T.S. P-2-OFA-87



3 CURB TRANSITION

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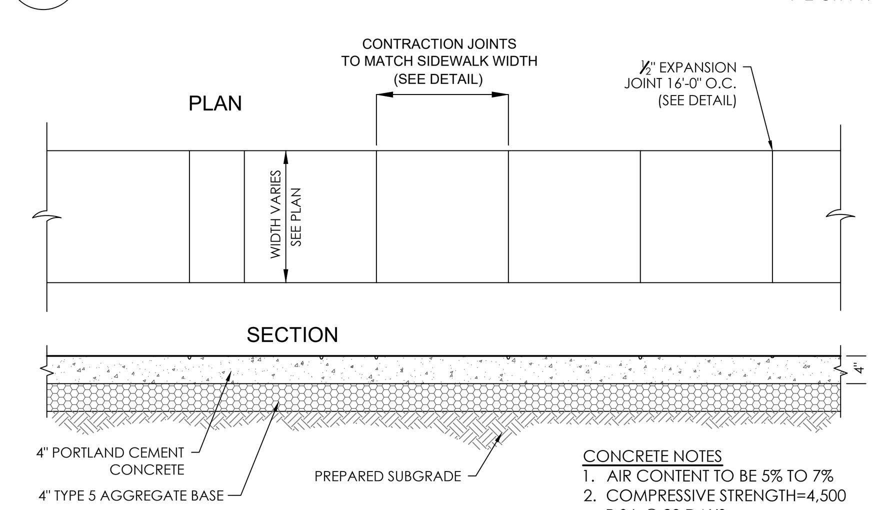
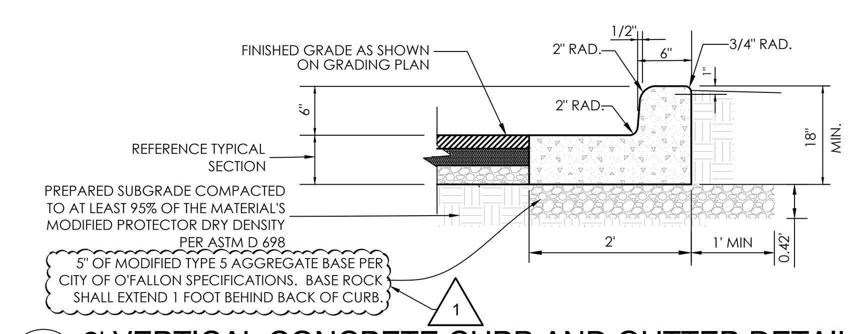


CONCRETE NOTES
1. AIR CONTENT TO BE 5% TO 7%
2. COMPRESSIVE STRENGTH=4,500 P.S.I. @ 28 DAYS
3. MAXIMUM SLUMP SHALL BE 4"
4. ALL CONCRETE SHALL BE PER THE LATEST EMPC STANDARDS AND SPECIFICATIONS

2 CONCRETE SIDEWALK DETAIL

N.T.S. P-2-OFA-29



1 2' VERTICAL CONCRETE CURB AND GUTTER DETAIL

N.T.S. P-2-OFA-17

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417.890.8002

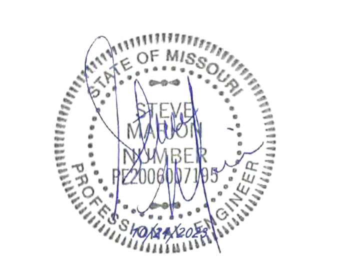
MEP ENGINEER
HENDERSON ENGINEERS, INC.
8345 LENEXA DR., #300
LENEXA, KS 66214
913.742.5000

REVISIONS

NO.	DESCRIPTION	DATE
1	ADDENDUM #01	10/5/2023

PROJECT NO.: 2207920 DRAWN BY: A. JONES
DATE: 9-15-2023 REVIEWED BY: M. FOGARTY

PROFESSIONAL SEAL



ENGINEERS AUTHENTICATION
The responsibility for professional engineering liability on this project is hereby limited to the set of plans authenticated by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after this date unless reauthenticated.
STEVEN D. MARION P.E.
PROFESSIONAL ENGINEER
PE 2006007195

PROJECT TITLE
O'FALLON PUBLIC WORKS FACILITY

PROJECT ADDRESS:
1101 OLD E TERRA LANE
O'FALLON, MO 63366

CONSTRUCTION DETAILS

SHEET
C-700

PERMIT SET

\\Vault-pc\vault\CIVIL 3D PROJECTS\2022\2207920_HDG_City of Ofallon MO Public Works\ENGINEERING\PHASE 1 CONSTRUCTION DOCUMENTS\C-700 CONSTRUCTION DETAILS.dwg