

PLANS AND SPECIFICATIONS

JOB 100571

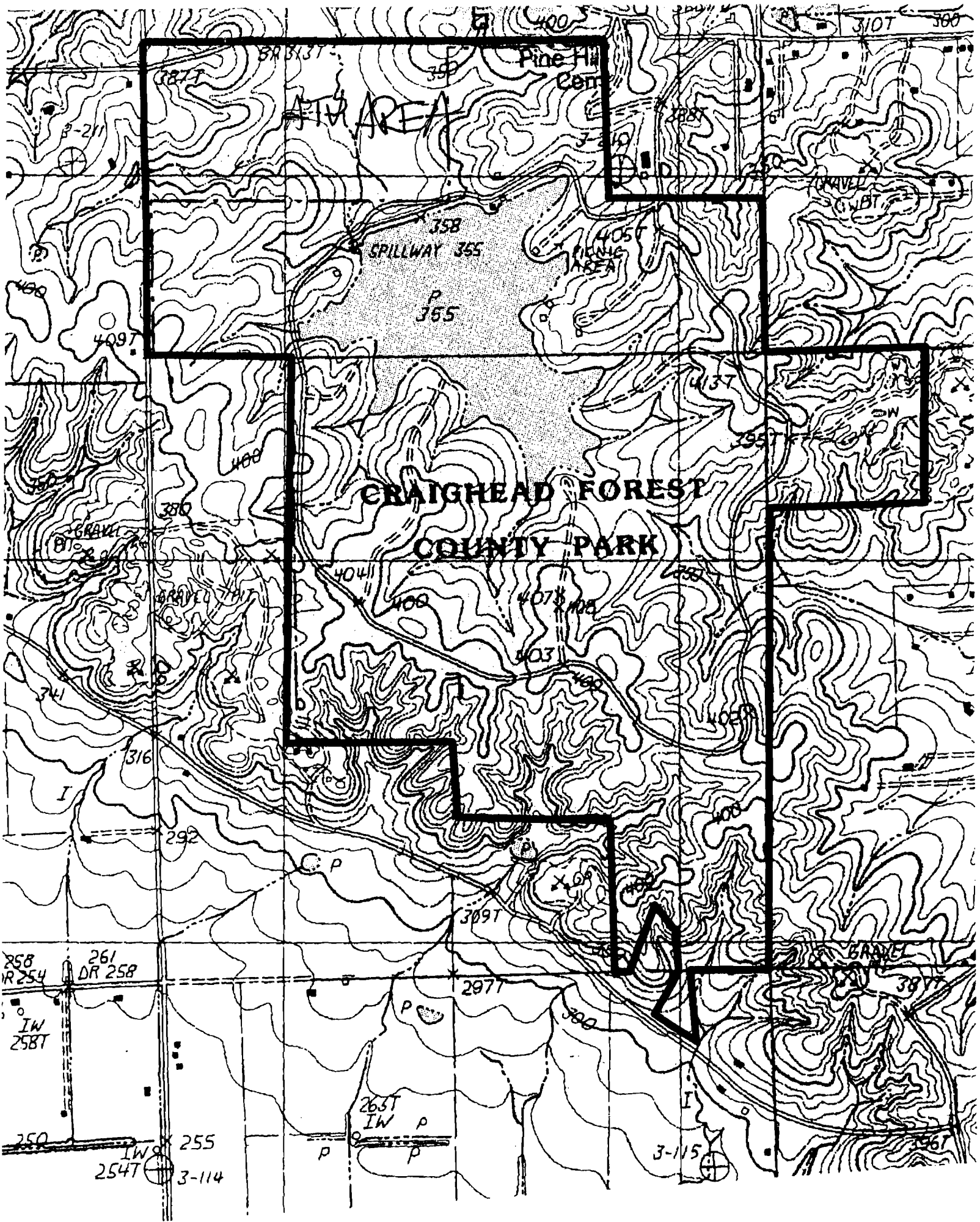
Craighead Forest ATV Trail (S)

Prepared by the Sponsor,

The City of Jonesboro

and Approved by

The Arkansas State Highway and Transportation Department



ATV AREA

Pine Hill Camp

CRAIGHEAD FOREST
COUNTY PARK

SPILLWAY 355

P
355

258
DR 254

IW
258T

250
IW
254T

255
3-114

265T
IW
p

3-115

310T 300

380T

387T

3-211

388T

GRAVEL
DR 258T

GRAVEL
DR 258T

GRAVEL
DR 258T

GRAVEL

309T

297T

387T

496T

Genesis 2-Rail or 3-Rail Specifications

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Download Specifications

(Microsoft Word Format)

ORNAMENTAL METAL FENCING SYSTEM
Aegis II™ - Genesis 2-Rail or 3-Rail Style
Construction Specifications
Section 02830

AEGIS II - GENESIS 2-RAIL OR 3-RAIL STYLE

PART 1 - GENERAL

1.01 WORK INCLUDED

The contractor shall provide all labor, materials, and appurtenances necessary for installation of the ornamental metal fencing system defined herein at (specify project site).

1.02 RELATED WORK

Section _____ - Earthwork

Section _____ - Concrete

1.03 SYSTEM DESCRIPTION

The manufacturer shall supply a total ornamental metal fencing system of the Genesis design. The system shall include all components (i.e., pickets, rails, posts, gates and hardware) required.

1.04 QUALITY ASSURANCE

The contractor shall provide laborers and supervisors who are thoroughly familiar with the type of construction involved and materials and techniques specified.

1.05 REFERENCES

ASTM A526-Steel Sheet Zinc-Coated (Galvanized by the Hot Dip Process)

ASTM B117-Salt Spray Testing

1.06 SUBMITTAL

The manufacturer's literature shall be submitted prior to installation.

1.07 PRODUCT HANDLING AND STORAGE

Upon receipt at the job site, all materials shall be checked to ensure that no damage occurred during shipping or handling. Materials shall be stored in such a manner to ensure proper ventilation and drainage, and to protect against damage, weather, vandalism, and theft.

PART 2 - MATERIALS

2.01 MANUFACTURER

The ornamental metal fencing system shall conform to AEGIS II, Genesis 2-Rail or 3-Rail style manufactured by Ameristar Fence Products, Inc., in Tulsa, Oklahoma.

2.02 MATERIAL

A. The materials for fence framework (i.e., pickets, rails, and posts) shall be manufactured from coil steel having a minimum yield strength of 50,000 psi. The steel shall be galvanized to meet the requirements of ASTM A526 with a minimum zinc coating weight of .90 ounces per square foot (coating Designation G-90), hot-dip process. Galvanized framework shall be subject to a six stage pretreatment/wash (with zinc phosphate) followed by "**PERMACOAT™**", an electrostatic spray application of a two coat powder system. The base coat is a thermosetting epoxy powder coating (gray in color) with a minimum thickness of 2-4 mils. The top coat is a "no-mar" TGIC polyester powder coat finish with a minimum thickness of 2-4 mils. The color shall be (specify black, brown, white, or desert sand). Coated galvanized framework shall have a salt spray resistance of 3,500 hours using ASTM B117 without loss of adhesion.

B. Material for fence pickets shall be 1" square x 16ga. tubing. The cross-sectional shape of the rails shall conform to the manufacturer's **Forerunner™** design with outside cross-section dimensions of 1.75" square and a minimum thickness of 14ga. Post spacing shall be (specify 71-1/4" for 6' o.c. nominal or 96" for 8' o.c. nominal with 2-1/2" square posts). Picket holes in the **Forerunner** rail shall be spaced 4.98" o.c. Picket retaining rods shall be 0.125" dia. galvanized steel. Posts shall be a minimum of 2-1/2" square x 12ga. Rubber grommets shall be supplied to seal all picket-to-rail intersections.

2.03 FABRICATION

A. Pickets, rails, and posts shall be pre-cut to specified lengths. **Forerunner** rails shall be pre-punched to accept pickets.

B. Grommets shall be inserted into the pre-punched holes in the rails and pickets shall be inserted through the grommets so that pre-drilled picket holes align with the internal upper raceway of the **Forerunner** rails (Note: This can best be accomplished by making an alignment jig). Retaining rods shall be inserted into each **Forerunner** rail so that they pass through the predrilled holes in each picket.

C. Completed sections (i.e., panels) shall be capable of supporting a 600 lb. load applied at midspan without permanent deformation. Panels shall be biasable to a 25% change in grade.

D. Gates shall be fabricated using **AEGIS II** panel material and gate ends having the same outside cross-section dimensions as the **Forerunner** rail. Each upright and rail intersection shall be joined by welding. Each picket and rail intersection shall also be joined by welding.

PART 3 - EXECUTION

3.01 PREPARATION

All new installation shall be laid out by the contractor in accordance with the construction plans.

3.02 INSTALLATION

Fence posts shall be set at spacings of either 71-1/4" or 8' o.c. plus or minus 1/2", depending on the span specified. Gate posts shall be spaced according to the gate openings specified in the construction plans. The "Earthwork" and "Concrete" sections of this specification shall govern post base placement and material requirements. **AEGIS II** panels shall be attached to posts using panel brackets supplied by the bolt-on hardware supplied by manufacturer.

3.03 CLEANING

The contractor shall clean the jobsite of excess materials; post hole excavations shall be scattered uniformly away from posts.

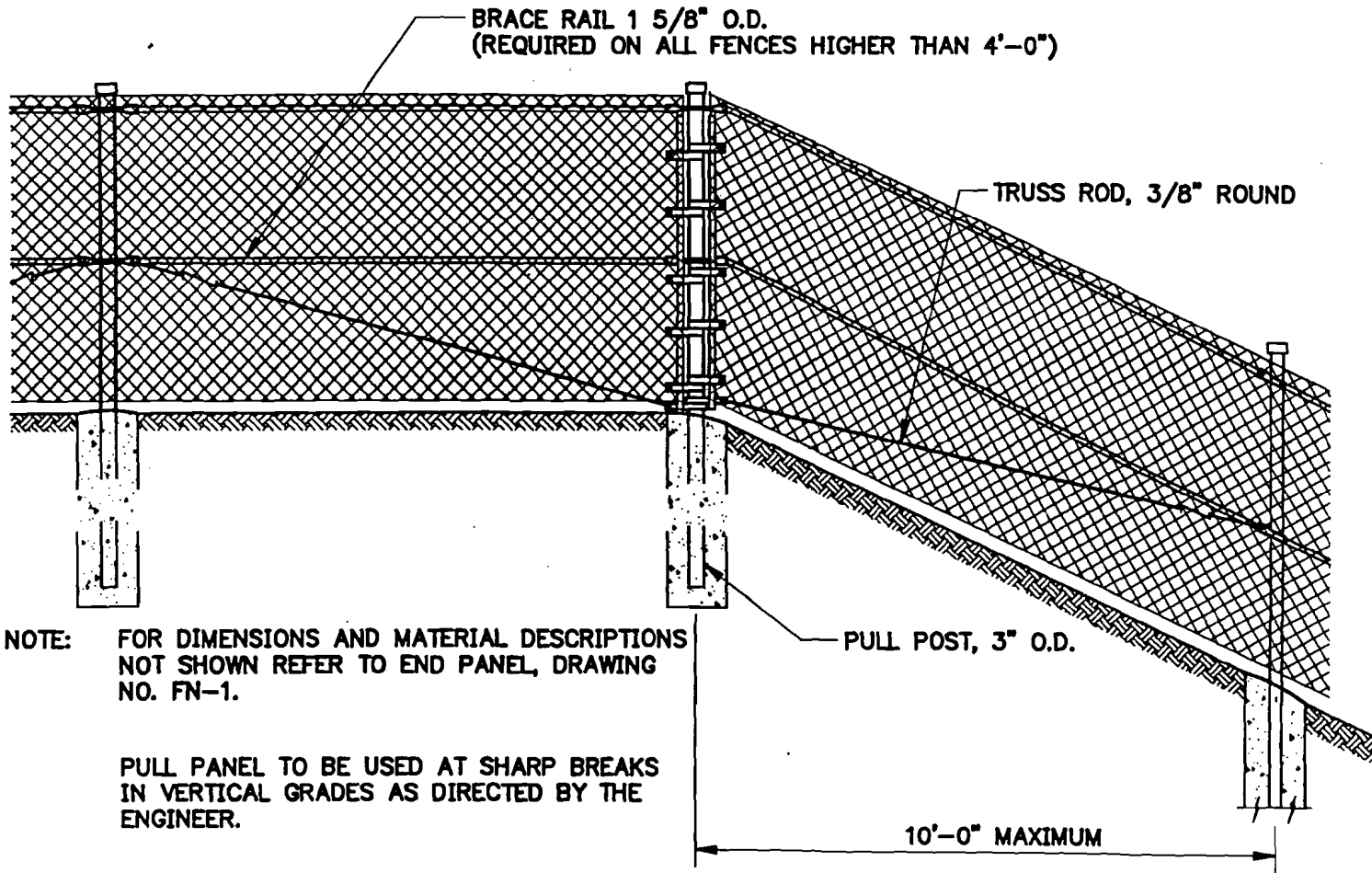
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APPROVED BY:

CITY ENGINEER

ISSUED: AUGUST, 1995
REVISED:



NOTE: FOR DIMENSIONS AND MATERIAL DESCRIPTIONS NOT SHOWN REFER TO END PANEL, DRAWING NO. FN-1.

PULL PANEL TO BE USED AT SHARP BREAKS IN VERTICAL GRADES AS DIRECTED BY THE ENGINEER.

PULL PANEL

N.T.S.



City Of Jonesboro

FENCES
CHAIN LINK FENCE
PULL PANEL

PAGE
3 OF 3

DRAWING NO.
FN-1

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REVISED:

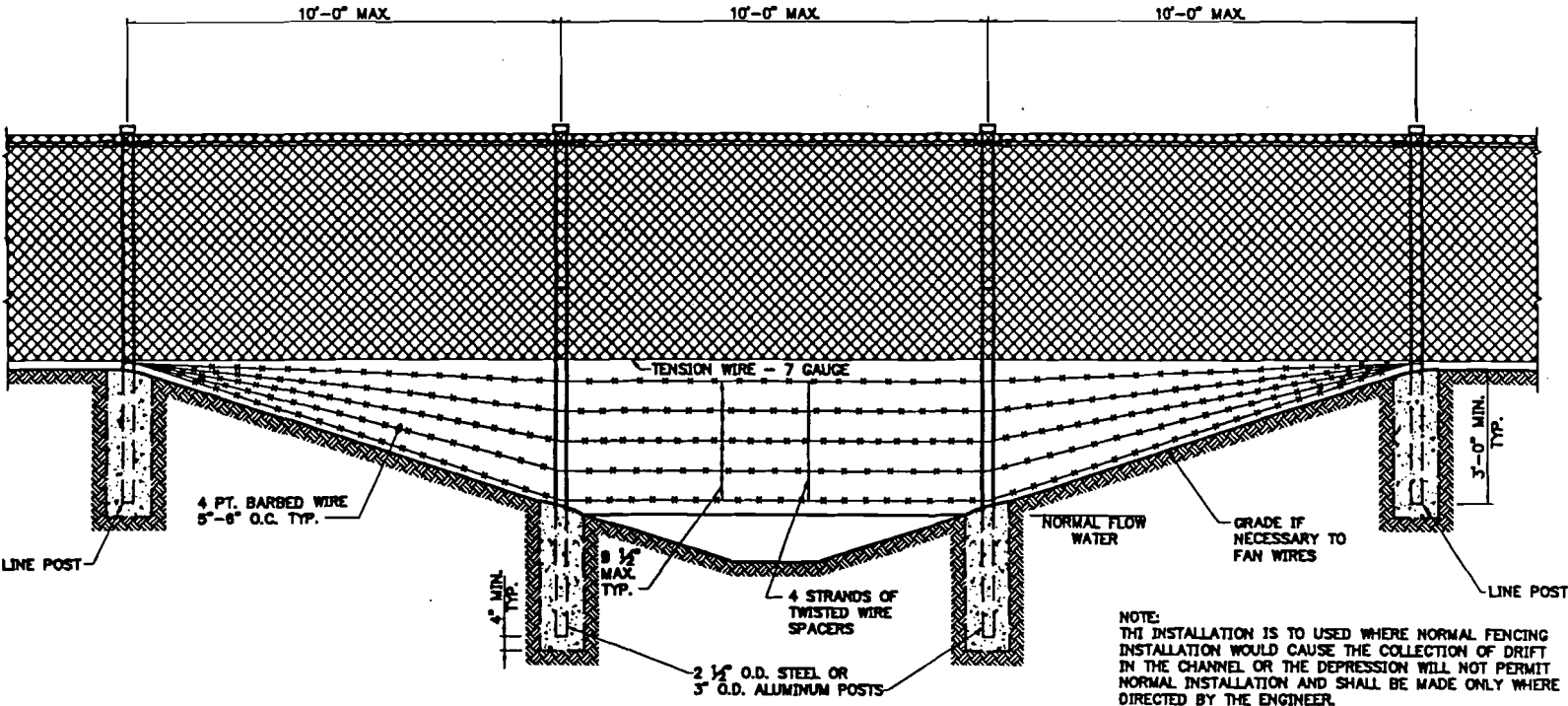
ISSUED:

AUGUST, 1995



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FENCES
WATER GAP DETAIL
CHAIN LINK FENCE

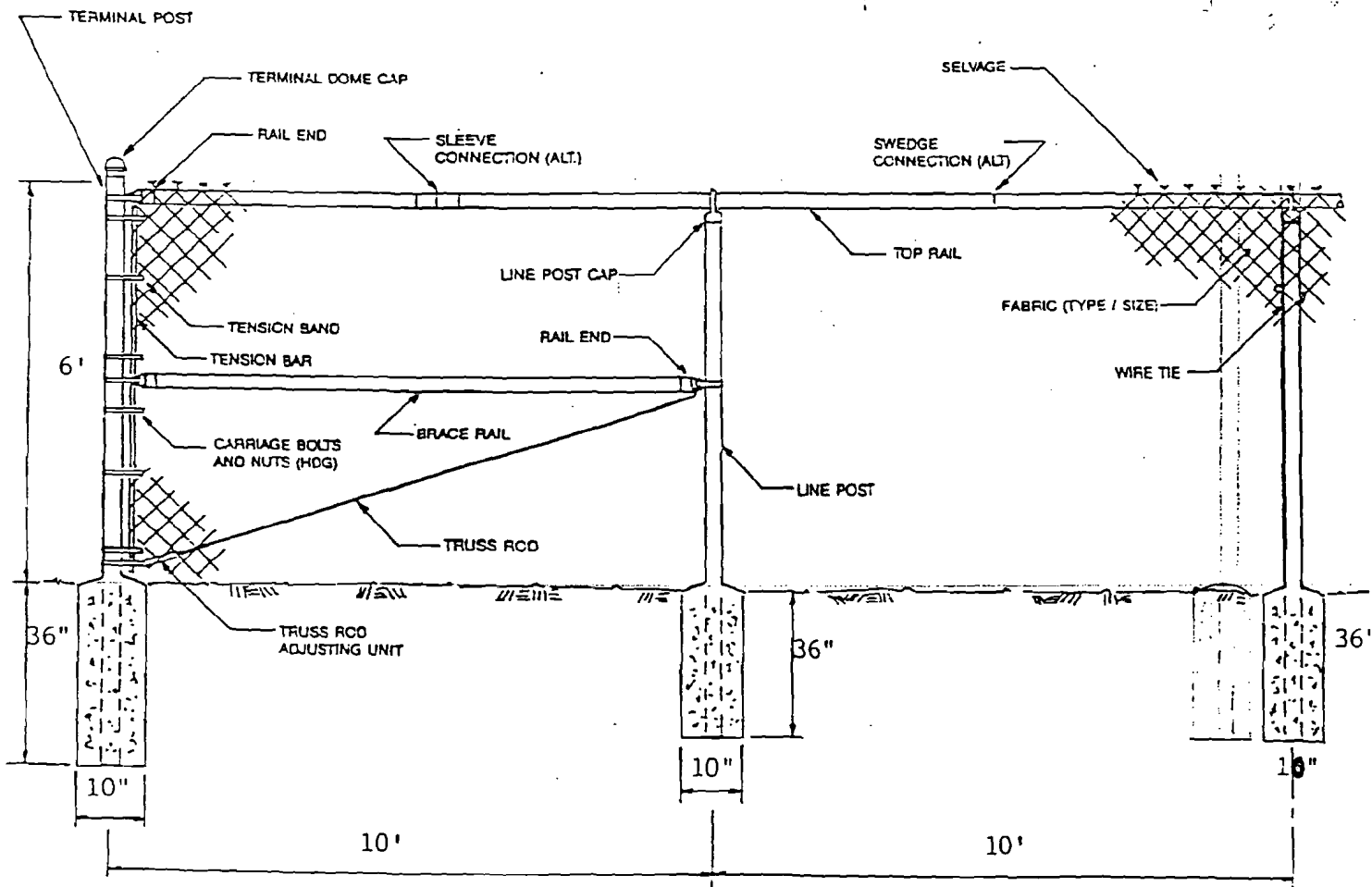


NOTE:
THIS INSTALLATION IS TO BE USED WHERE NORMAL FENCING INSTALLATION WOULD CAUSE THE COLLECTION OF DRIFT IN THE CHANNEL OR THE DEPRESSION WILL NOT PERMIT NORMAL INSTALLATION AND SHALL BE MADE ONLY WHERE DIRECTED BY THE ENGINEER.

CHAIN LINK FENCE WATER GAP

N.T.S.

Drawing III

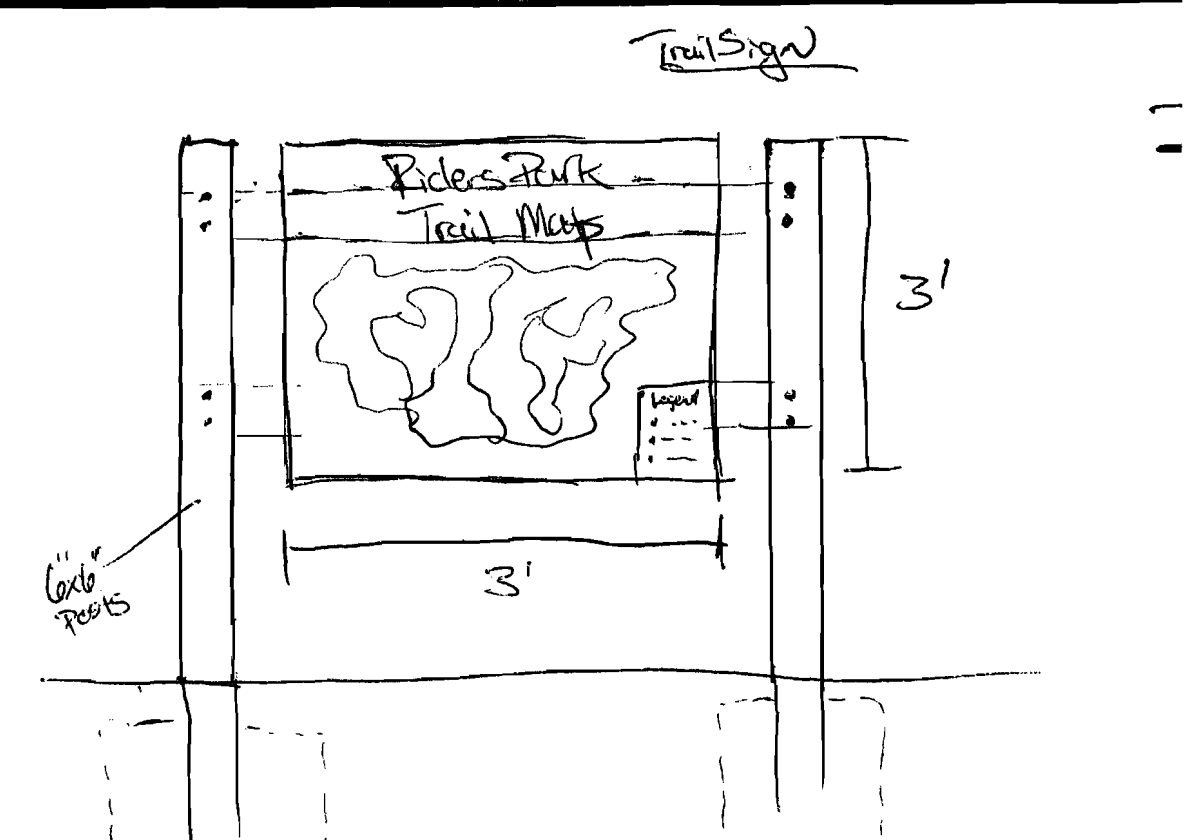
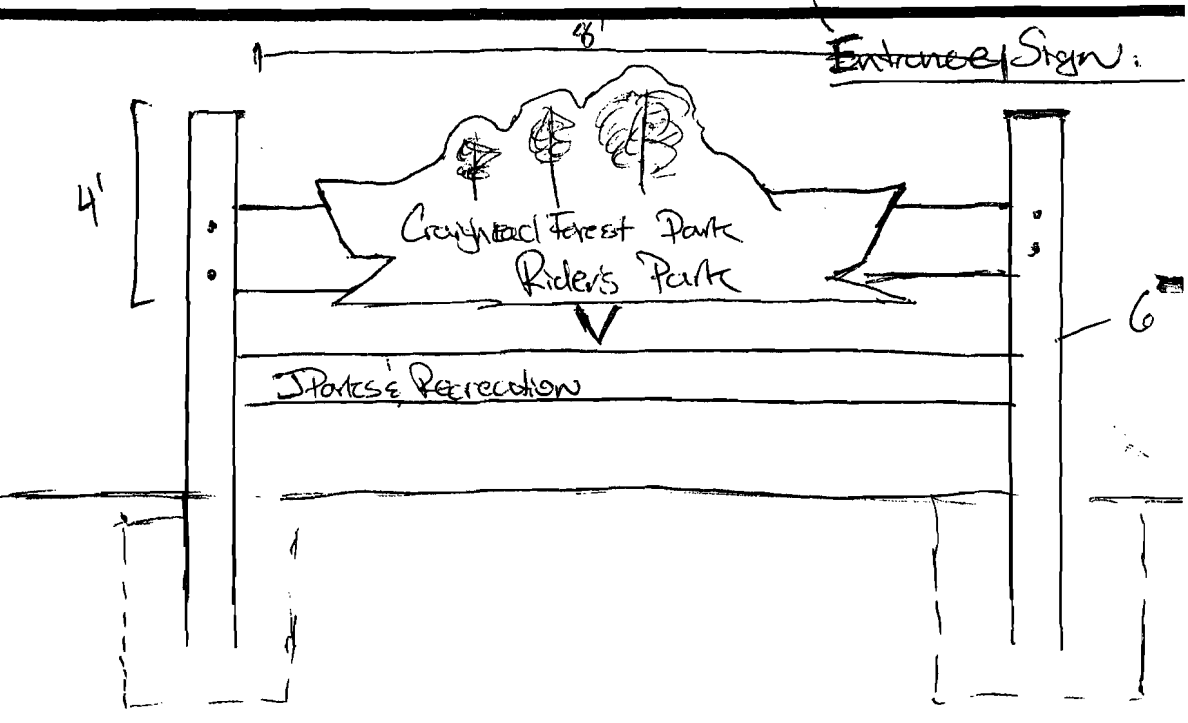
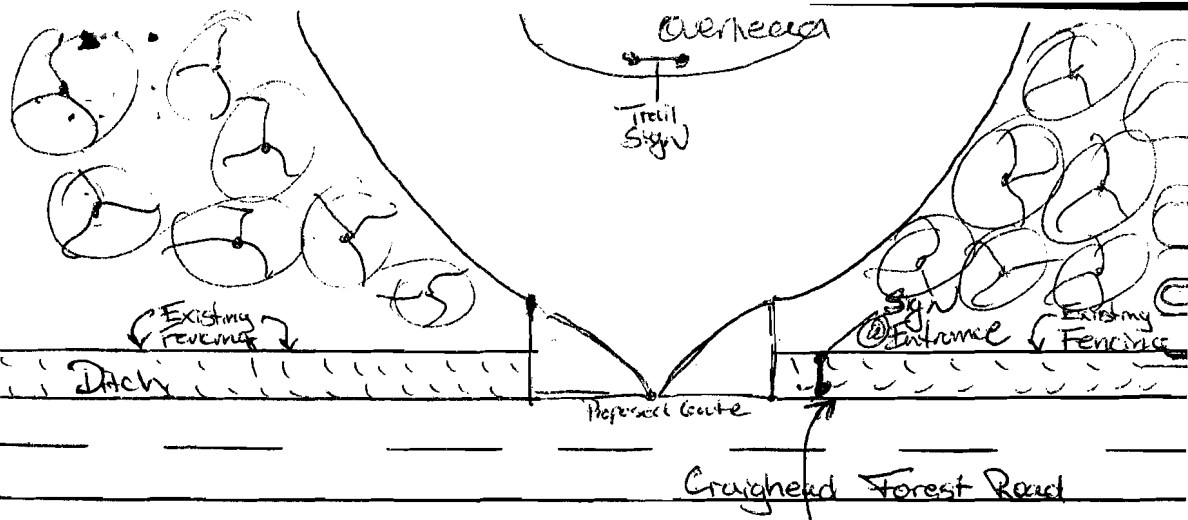


JOB SPECIFICATIONS

FABRIC	MESH	GAUGE	SELVAGE
6'	2"	9	KT
TENSION WIRE	GA. 7	TOP <input type="checkbox"/>	BCT. <input type="checkbox"/>
BARBED WIRE	TYPE	3 STR. <input type="checkbox"/>	6 STR. <input type="checkbox"/>
FRMWRK.	O.D.	WALL	LBS / LF
TOP RAIL	1 5/8"	sch. 40	2.27
LINE POSTS	2 1/2"	" "	3.65
BRACE RAIL	1 5/8"	" "	2.27
CORNER POSTS	3"		5.79
END POSTS	3"	" "	5.79
GATE POSTS	3"	" "	5.79
GATE FRAME	2"	" "	2.72
3/8"	Truss Rods		

NOTES:
 All parts & fittings to be steel
 Foul Pole on each Foul Line: "

SUBMITTED BY 1.2.6.	SUBMITTED TO	TYPICAL FENCE ELEVATION TOP RAIL / TRUSSED BRACE RAIL	CONTRACTOR
		JOB / PROJECT	ARCHITECT
			ENGINEER





City Of Jonesboro

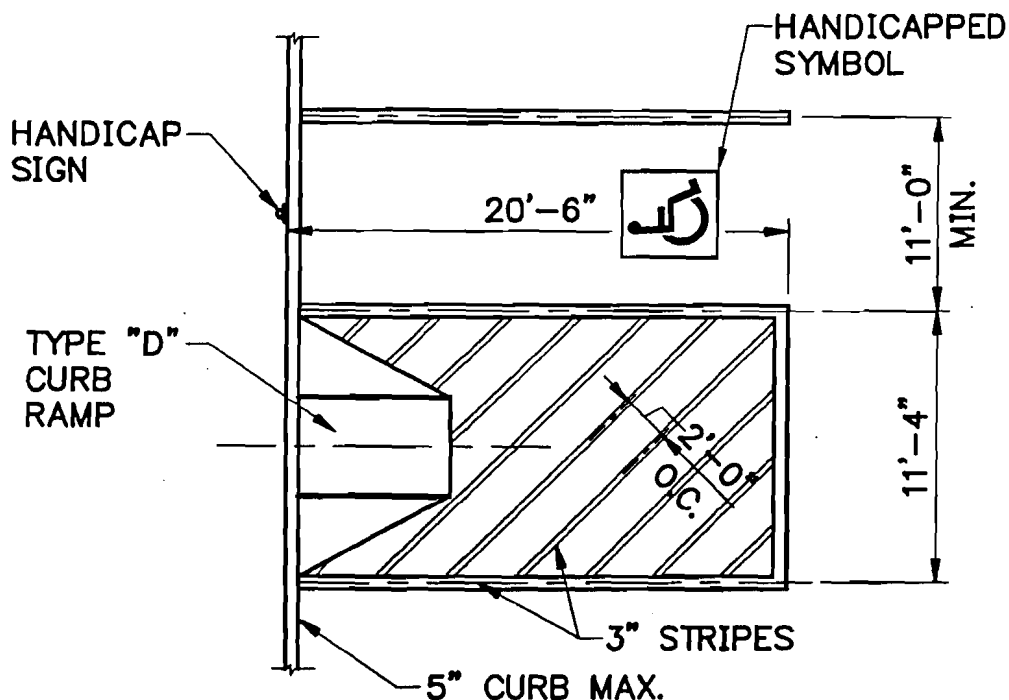
DISABILITY ACCESS
PARKING SPACE
MARKINGS

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DA-6

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TYP. DISABILITY ACCESS
PARKING SPACE

N.T.S.

NOTE:
UNIVERSAL PARKING SPACING DESIGN
(ACCOMODATES CARS OR VANS)

HEW/CFM PKLOT-B (REF=PK-B) 951941 9-14-95

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REVISED:



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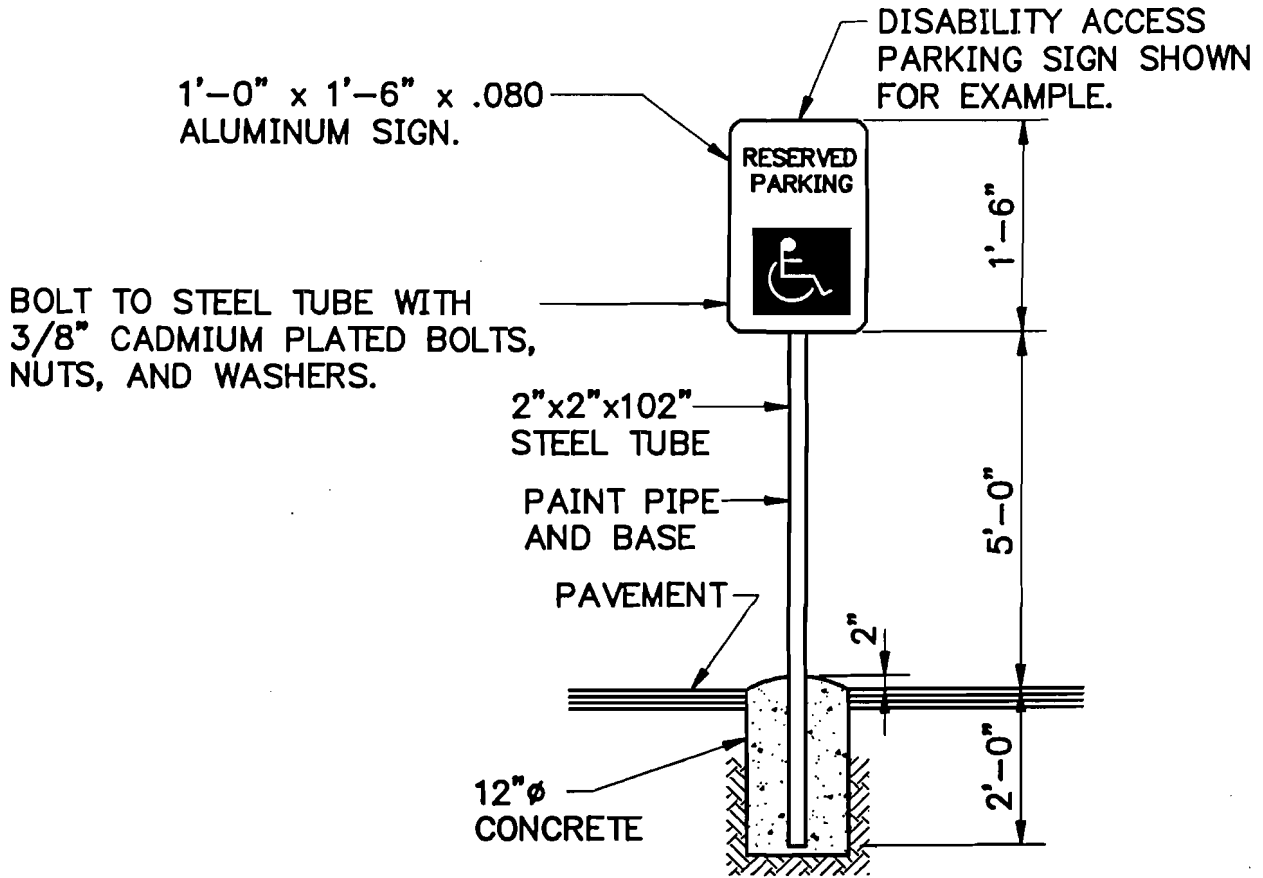
TYPICAL
SIGN DETAIL

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SIGN DETAIL

N.T.S.

NOTE:

ALL SIGNS SHALL CONFORM TO MUTCD AND SHALL BE HIGH INTENSITY.

CFM SIGN-A (REF=SN-A) 951941 9-14-95

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ISSUED:

AUGUST, 1995

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City Of Jonesboro

BOLLARD

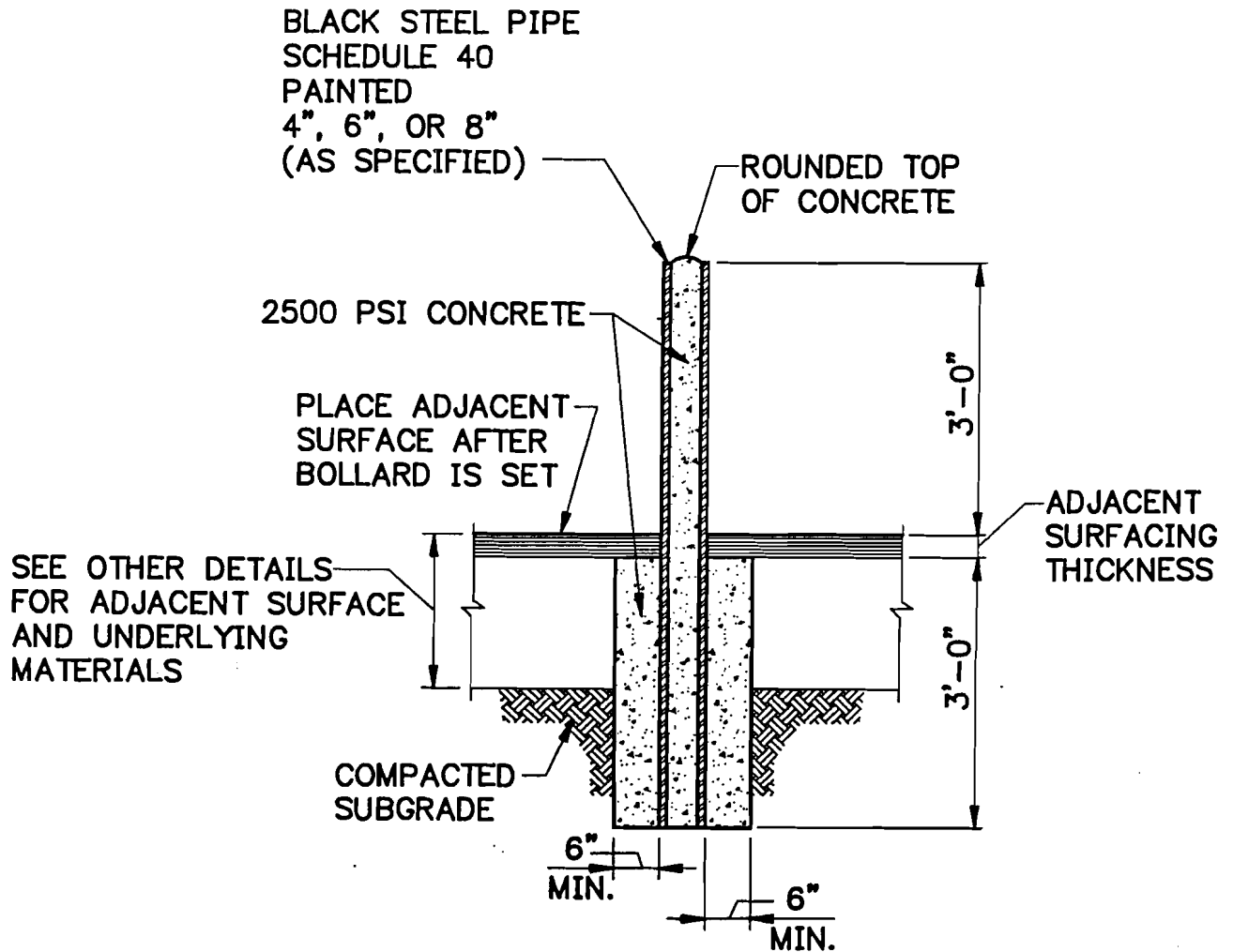
TYPICAL

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BO-1

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TYPICAL BOLLARD

1/2" = 1'-0"

NOTE:

1. SELECT PIPE DIAMETER AND PAINT COLOR AS CALLED FOR IN PLANS. USE 8" AS MAXIMUM UNLESS EXTREMELY HEAVY LOADINGS ARE ANTICIPATED. USE 4" ONLY WHERE VERY LIGHT LOADS ARE ANTICIPATED.
2. BOLLARDS NOT TO BE USED IN OR NEAR STREET AREAS.

CFM SIGN-B (REF=SN-B) 951941 9-14-95

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AUGUST, 1995

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