

LIGHT DUTY CONCRETE
NOT TO SCALE

CG-2 CURB
NOT TO SCALE

CG-6 CURB & GUTTER
NOT TO SCALE

DETAIL DUCT BANK
NOT TO SCALE

COORDINATE INSTALLATION DEPTH WITH DEPTH OF MANHOLES. IN NO CASE SHOULD DEPTH BE LESS THAN 24" OR GREATER THAN 42". USE MINIMUM MH-2 BASE HEIGHT PRACTICAL WITH FLAT TOP SLAB TO MEET DEPTH REQUIREMENTS.

BOLLARD DETAIL
NOT TO SCALE

~~MODIFIED JB-1 SCHEMATIC DESIGN~~
~~NOT TO SCALE~~

NOTE: INSTALL VDOT SL-1
AT 9'-0" FROM RIM
ELEVATION.

FENCE POSTS

1. LOCATION OF CORNER POSTS SHALL BE DETERMINED FROM STAKES AND PROPERTY PINS INSTALLED BY A REGISTERED LAND SURVEYOR. IF THE STAKES ARE NOT PRESENT OR DO NOT CONFORM TO THE SITE PLAN, CONSULT WITH THE OWNER.
2. CORNERS AND GATE POSTS FOR SITE SHALL BE 4" (INSIDE DIA.) GALVANIZED PIPE. LINE POSTS SHALL BE 2" (INSIDE DIA.) GALVANIZED PIPE.
3. CORNER POSTS SHALL BE SET WITHIN ONE INCH OF DIMENSIONS INDICATED ON THE SITE PLAN.
4. FENCE POSTS SHALL BE VERTICALLY PLUMB IN ALL PLANES WITHIN 1/2" INCH.
5. CORNER POST FOUNDATIONS SHALL BE A MINIMUM THREE FEET DEEP OR SIX INCHES BELOW THE FROST LINE, WHICHEVER IS GREATER, WITH MINIMUM THREE INCH CLEARANCE BETWEEN BOTTOM OF POST AND BOTTOM OF THE FOUNDATION.
6. CONCRETE SHALL COMPLY WITH THE STANDARDS OF THE AMERICAN CONCRETE INSTITUTE, THE CONCRETE REINFORCING STEEL INSTITUTE, AND APPLICABLE ASTM REQUIREMENTS.
7. FOUNDATION FOR LINE POSTS SHALL BE 12 INCHES IN DIAMETER. FOUNDATION FOR GATE AND CORNER POSTS SHALL BE 18 INCHES IN DIAMETER.
8. CORNER POSTS AND GATE POSTS SPACING SHALL BE EQUAL WITH A TWELVE FOOT MAXIMUM SPACING. GATE POST SPACING AND SPECIFIC LOCATIONS SHALL BE IN ACCORDANCE WITH SITE PLAN AND SHALL BE VERIFIED WITH PROJECT MANAGER.
9. ALL POSTS EXCEPT GATE POSTS SHALL BE CAPPED WITH A COMBINATION CAP AND BARB WIRE SPACING 48". GATE POSTS SHALL BE TWELVE INCHES HIGHER THAN CORNER OR LINE POSTS TO PROVIDE FOR TERMINATION OF BARBED WIRE. GATE POSTS SHALL BE CAPPED WITH STANDARD CAP.
10. ALL TURNER, GATE AND CORNER POSTS SHALL BE MINIMUM 3/8" DIAMETER DISCIVAL TRUSS RODS WITH TURNBUCKLES. HORIZONTAL BRACE RODS, 1-1/2" INSIDE DIMENSION PIPE, SHALL BE INSTALLED BETWEEN POSTS.
11. A TOP RAIL (1-3/8" I.D.) GALVANIZED PIPE SHALL BE INSTALLED BETWEEN POSTS.

GENERAL REQUIREMENTS

1. ALL WIRE, FABRIC, FITTINGS, HARDWARE AND STEEL MEMBERS USED FOR SITE AREA FENCING, GUY ANCHOR FENCING AND ACCESS ROAD GATES SHALL BE HOT DIPPED GALVANIZED OR OTHER APPROVED NON-CORROSIVE MATERIAL.
2. ALL NON-CORROSIVE MATERIAL SHALL BE APPROVED BY THE OWNER.
3. ANY DAMAGE TO GALVANIZING OR NON-CORROSIVE COATING DURING CONSTRUCTION SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S RECOMMENDED METHODS.
4. IF FINAL GRADE IS APPLIED PRIOR TO FENCE INSTALLATION, ALL SPOILS REQUIRED TO INSTALL THE FENCE POSTS AND FENCE ACCESSORIES SHALL BE REMOVED FROM SITE OR APPROPRIATELY BLENDED INTO SURROUNDING GRADE TO PREVENT DEBRIS FROM BLEMISHING SITE AESTHETICS.
5. EXCESS FENCE MATERIAL SHALL BE REMOVED FROM SITE BY THE MONITOR.
6. ACTUATORS FOR SECURITY GATES BY MASTER HALCO AND SECURITY ACCESS SYSTEM BY RICHMOND ALARM COMPANY. COORDINATE WITH SUPPLIERS.
7. SEE SITE ELECTRICAL PLANS FOR GROUNDING DETAILS.

FABRIC

1. FENCE FABRIC SHALL BE EIGHT FOOT HIGH, UNLESS OTHERWISE SPECIFIED, 19 GAUGE, GALVANIZED CHAIN LINK FABRIC WITH TWISTED TOP SELVAGE AND KNUCKLED BOTTOM SELVAGE.
2. FABRIC SHALL BE SECURED AT MANUFACTURER'S RECOMMENDATIONS TO PRESENT A NEAT APPEARANCE. A MAXIMUM THREE INCH GAP SHALL BE FORMED BETWEEN FABRIC AND FINAL GRADE.
3. FABRIC SHALL BE SECURED AT CORNER AND GATE POSTS USING STRETCHER BARS AND TENSION BAND CLIPS.
4. FABRIC SHALL BE SECURED TO THE TOP RAIL AND BRUSH RODS USING THE FOLLOWING:
5. THREE RUNS OF 4-PUNT GALVANIZED BARBED WIRE SHALL BE INSTALLED ALONG TOP OF FENCE. BARBED WIRE SHALL BE TENSIONED PER MANUFACTURER'S RECOMMENDATIONS TO PRESENT A NEAT APPEARANCE.
6. INSTALL TENSION WIRE ALONG BOTTOM OF FABRIC.

GATE

1. ALL JOINTS BETWEEN TUBULAR GATE MEMBERS SHALL BE WELDED OR HEAVY FITTINGS PROVIDING RIGID AND WATER-IGHT CONNECTIONS.
2. GATE HINGES SHALL PROVIDE FOR 180 DEGREE RADIOUS GATE SWING. ALL HINGE NUTS SHALL BE ON THE INSIDE AND DOUBLE-NUT TO PREVENT UNAUTHORIZED ENTRY.
3. GATE STOPS SHALL BE INSTALLED AND SHALL HOLD GATE IN "OPEN" POSITION.
4. BARBED WIRE GUARD SHALL BE INSTALLED ON TOP OF GATES. ADEQUATE CLEARANCE SHALL BE MAINTAINED TO ALLOW GATE OPERATION.
5. GATE SHALL BE INSTALLED PLUMB AND SHALL OPEN AND CLOSE FREELY.
6. USE MINIMUM THREE FOOT SECTION BETWEEN GATE POST AND CORNER POST. GATE POST SHALL NOT BE SHARED AS A CORNER POST.

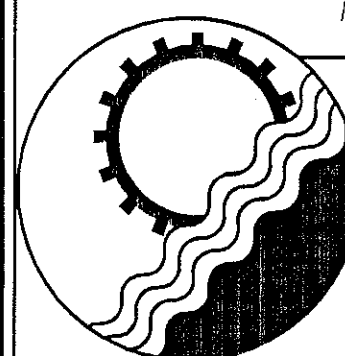
HEAVY DUTY CONCRETE - DUMPSTER PAD & APPROACH ARPN
NOT TO SCALE

TYPICAL PAVEMENT SECTION
NOT TO SCALE

BOARD ON BOARD FENCE
NOT TO SCALE

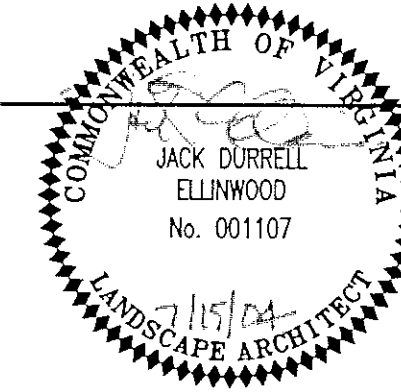
GATE DETENTION
NOT TO SCALE

SEE PLANS FOR SITE SPECIFIC LAYOUT



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No.	Revision	By	Appd	Date	Drawn
1	COUNTY COMMENTS OF MAY 18, 2004	DRB	JDE	6-02-04	JSC/WTR
2	COUNTY COMMENTS OF JUNE 22, 2004	MSJM	JDE	7-15-04	JDE
△	FIELD REV STORM DRAIN, OMITTED JB-1	DRB	JDE	2-17-05	JDE
					Approved

MISCELLANEOUS DETAILS SWITCHING STATION

VERIZON WIRELESS
ROANOKE COUNTY, VIRGINIA

SCALE: NONE

JULY 2004

PROJECT: 04016

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