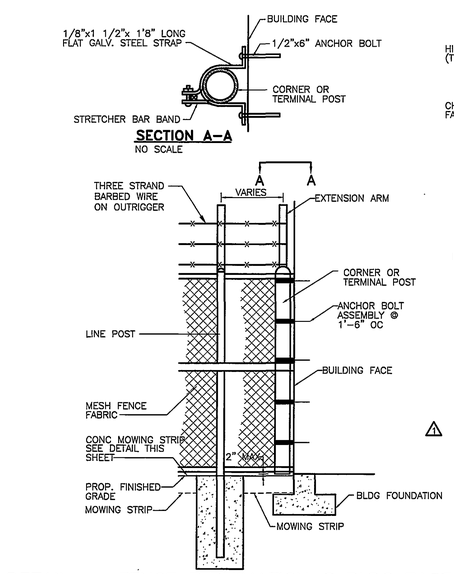
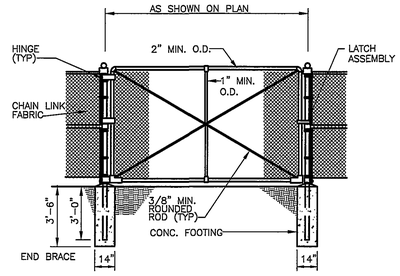


DETAIL – FENCE TERMINATION @ BLDG FACE

NO SCALE



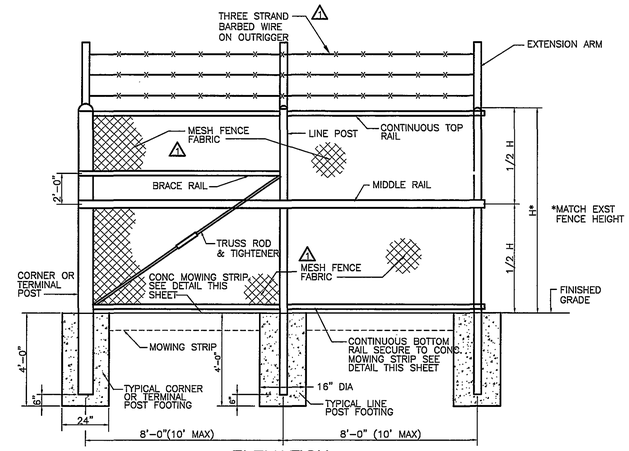
SINGLE SWING GATE

NOTES

1. PROVIDE A MOISTURE–EXCLUDING CAP FOR EACH POST.
2. FOR GATES EXCEEDING 6'–0" WIDTH ROLLED FORMED STEEL POST WILL NOT BE ALLOWED.
3. IN LIEU OF SETTING POSTS IN CONCRETE, MANUFACTURER'S ANCHORING DEVICES MEEETING THE SPECIFICATION REQUIREMENTS MAY BE USED WHEN APPROVED BY THE ENGINEER.
4. CHAIN LINK FENCE TO BE GROUNDED IN ACCORDANCE WITH DETAILS SHOWN WHERE REQUIRED.

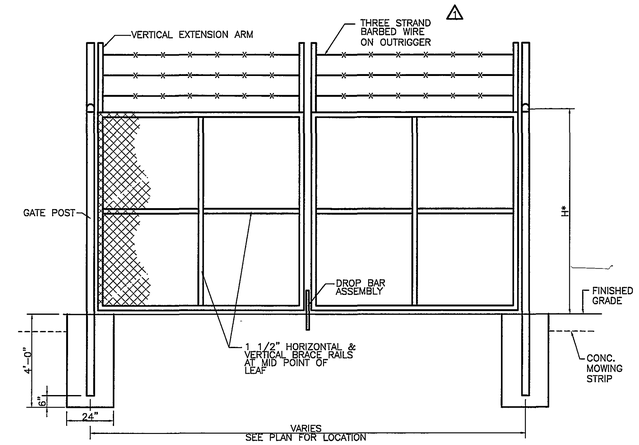
CHAIN LINK FENCE

NO SCALE



ELEVATION

NO SCALE



DETAIL – DOUBLE SWING GATE

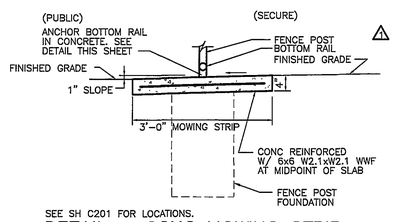
NO SCALE

NOTES

1. PROVIDE A MOISTURE–EXCLUDING CAP FOR EACH POST.
2. FOR GATES EXCEEDING 6'–0" WIDTH ROLLED FORMED STEEL POST WILL NOT BE ALLOWED.
3. IN LIEU OF SETTING POSTS IN CONCRETE, MANUFACTURER'S ANCHORING DEVICES MEETING THE SPECIFICATION REQUIREMENTS MAY BE USED WHEN APPROVED BY THE ENGINEER.

CHAIN LINK FENCE

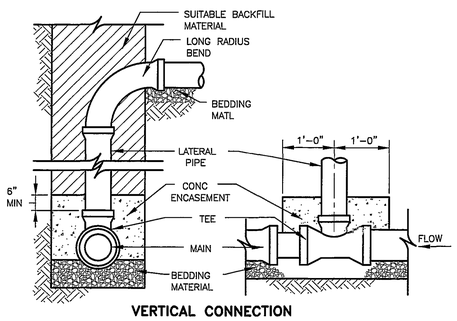
NO SCALE



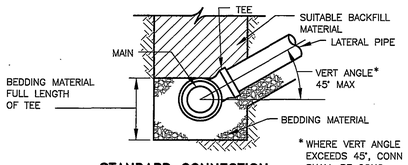
SEE SH C201 FOR LOCATIONS.

DETAIL – CONC MOWING STRIP

NO SCALE



VERTICAL CONNECTION

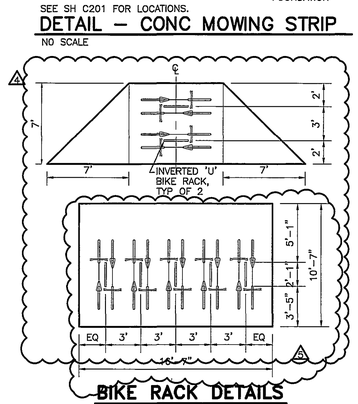


* WHERE VERT ANGLE EXCEEDS 45°, CONN SHALL BE CONC ENCASED.

STANDARD CONNECTION VERTICAL ANGLE 45° MAX

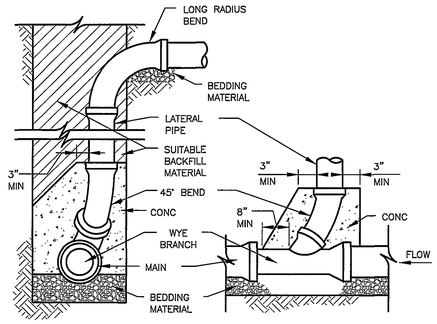
GRAVITY TEE CONNECTION

NO SCALE

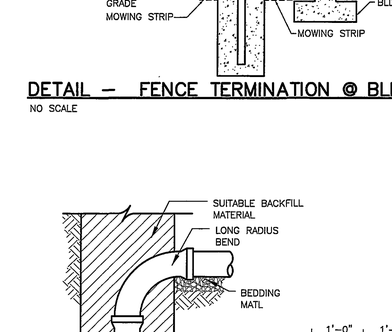


BIKE RACK DETAILS

SCALE: 3/16"=1'-0"



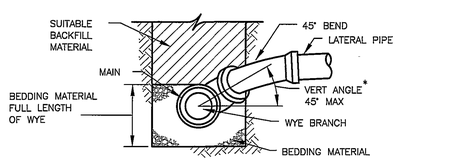
VERTICAL CONNECTION



COUPLING EQUAL TO FERNCO:

TYPICAL WATER/SEWER LINE COUPLING DETAIL

NO SCALE

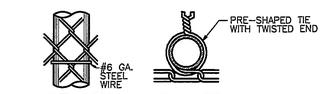


STANDARD CONNECTION VERTICAL ANGLE 45° MAX.

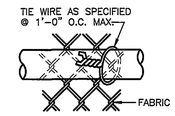
* WHERE VERT ANGLE EXCEEDS 45°, CONN SHALL BE CONC ENCASED.

GRAVITY WYE CONNECTION

NO SCALE

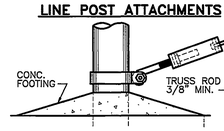


LINE POST ATTACHMENTS

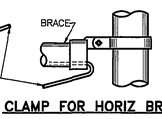


WIRE TIES @ HORIZ BRACE

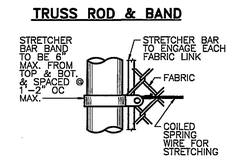
TIE TO OCCUR ON PUBLIC SIDE ONLY, OR SIDE AWAY FROM INMATES.



TRUSS ROD & BAND



CLAMP FOR HORIZ BRACE

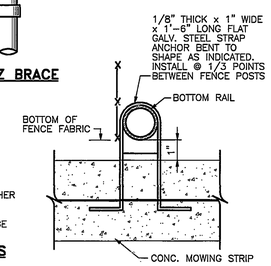


ELEV TERMINAL OR GATE POST

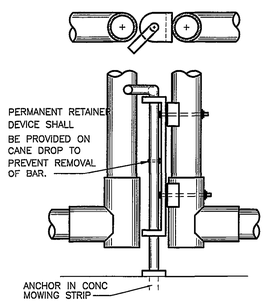
PLAN @ BANDS

FENCE FASTENING DETAILS

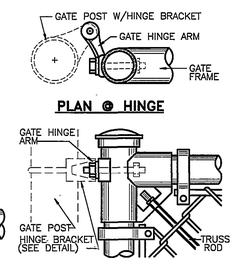
NO SCALE



BOTTOM RAIL ANCHOR DETAIL



DROP BAR ASSEMBLY

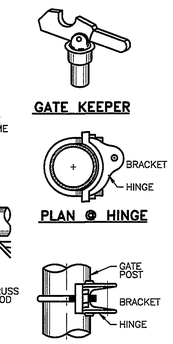


PLAN @ HINGE

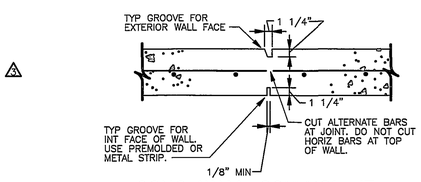
GATE FRAME

SWING GATE DETAILS

NO SCALE

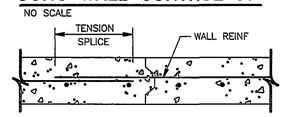


GATE POST



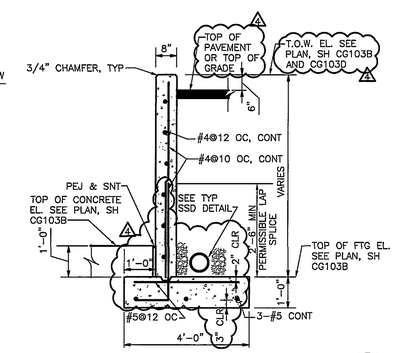
CONC WALL CONTROL JT

NO SCALE



CONC WALL CONSTRUCTION JT

NO SCALE



WALL SECTION

SCALE: 1/2"=1'-0"

CG103B CG103D C502

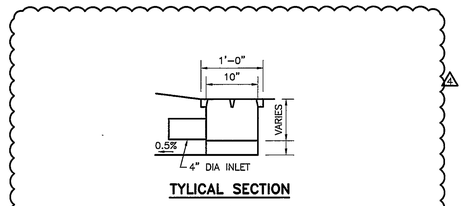
RETAINING WALL NOTES:

FOUNDATIONS

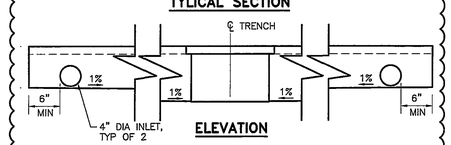
1. XXX.XX —— INDICATES ELEVATION OF TOP OF FOOTING. FOOTING ELEVATIONS SHOWN REPRESENT THE MINIMUM DEPTH TO WHICH FOOTINGS SHALL BE PLACED. FOOTINGS SHALL BE LOWERED AS REQUIRED TO OBTAIN SUITABLE BEARING. ALL UNSUITABLE FOUNDATION MATERIAL SHALL BE REMOVED WITH FOOTINGS RESTING ON UNDISTURBED SOIL WITH A MINIMUM BEARING CAPACITY OF 1500 PSF UNLESS OTHERWISE INDICATED.
2. NO FOUNDATION CONCRETE SHALL BE INSTALLED UNTIL ALL FOUNDATION WORK HAS BEEN COORDINATED WITH UNDERGROUND UTILITIES. FOOTINGS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES.
3. TO MINIMIZE WEATHERING, THE LAST 6 INCHES OF EXCAVATION FOR ALL FOOTINGS SHALL BE MADE IMMEDIATELY PRIOR TO PLACEMENT OF FOOTINGS.
4. WHERE ROCK OUTCROPPINGS ARE ENCOUNTERED IN ANY FOOTING EXCAVATION, UNDERCUT TO A DEPTH OF NOT LESS THAN 6 INCHES BELOW ELEVATION OF BOTTOM OF FOOTING AND BACKFILL WITH THOROUGHLY COMPACTED #10 FINES.

CONCRETE

1. CONCRETE STRENGTH: FOOTINGS, f'c = 3000 psi; WALLS, f'c = 4000 psi
2. REINFORCING BARS ASTM A 615 GRADE 60, DEFORMED fy = 60 KSI
3. DETAIL AND PLACE REINFORCEMENT IN ACCORDANCE WITH ACI 315–92 UNLESS NOTED OTHERWISE. TENSION DEVELOPMENT LENGTHS SHALL BE 23 INCHES. TENSION LAP SPLICES SHALL BE 30 INCHES.
4. CONTINUOUS REINFORCING IN WALLS AND FOOTINGS MAY BE SPLICED, AS REQUIRED, PROVIDING BARS ARE OF THE LONGEST PRACTICABLE LENGTH AND SPLICES ARE SHOWN ON REINFORCING SHOP DRAWINGS. WHEREVER POSSIBLE, SPLICES SHALL BE STAGGERED. FIELD CUTTING OF REINFORCEMENT WILL NOT BE PERMITTED.
5. PROVIDE CONCRETE COVER FOR REINFORCING AS SPECIFIED IN TABLE 3.3.2.3 OF ACI 301–96, UNLESS OTHERWISE INDICATED. SECURELY PLACE REINFORCEMENT TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT.
6. MAJOR CONSTRUCTION JOINTS ARE SHOWN ON THE DRAWINGS. INTERMEDIATE JOINTS IN WALLS ARE NOT SHOWN. CONSTRUCTION JOINTS MAY BE ADDED, OMITTED OR RELOCATED IF PROPERLY DETAILED ON SHOP DRAWINGS AND APPROVED BY THE OWNER'S REPRESENTATIVE.
7. SEE ELECTRICAL AND CIVIL DRAWINGS FOR LOCATIONS OF OPENINGS AND SLEEVES IN CONCRETE WALLS. SPREAD REINFORCEMENT AT OPENINGS AND SLEEVES UNLESS OTHERWISE SHOWN. DO NOT CUT REINFORCEMENT.
8. PROVIDE CONTROL JOINTS IN CONCRETE CANTILEVERED RETAINING WALLS AT EQUAL INTERVALS NOT TO EXCEED 25 FEET.
9. CHAMFER EDGES OF PERMANENTLY EXPOSED CONCRETE SURFACES 3/4 INCH, UNO.



TYLICAL SECTION



ELEVATION

TRENCH DRAIN DETAIL

NO SCALE

HSMM

ARCHITECTS ENGINEERS PLANNERS

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(540) 857–3100 WWW.HSMM.COM

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WESTERN VIRGINIA REGIONAL JAIL

WESTERN VIRGINIA REGIONAL JAIL AUTHORITY

ROANOKE COUNTY, VIRGINIA

REV	DATE	DESCRIPTION	APP
1	10/02/06	ADDENDUM 1	JMC
3	10/24/06	ADDENDUM 3	JMC
4	11/14/06	REVIEW COMMENTS	JMC
5	01/29/07	GENERAL REVISIONS	JMC

COMM NO: 10075
ISSUE DATE: FEBRUARY 1, 2007
DESIGNED BY: SMS DRAWN BY: SMS
CHECKED BY: MLC SUBMITTED BY: JMC

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CIVIL

SITE AND UTILITY DETAILS

C502