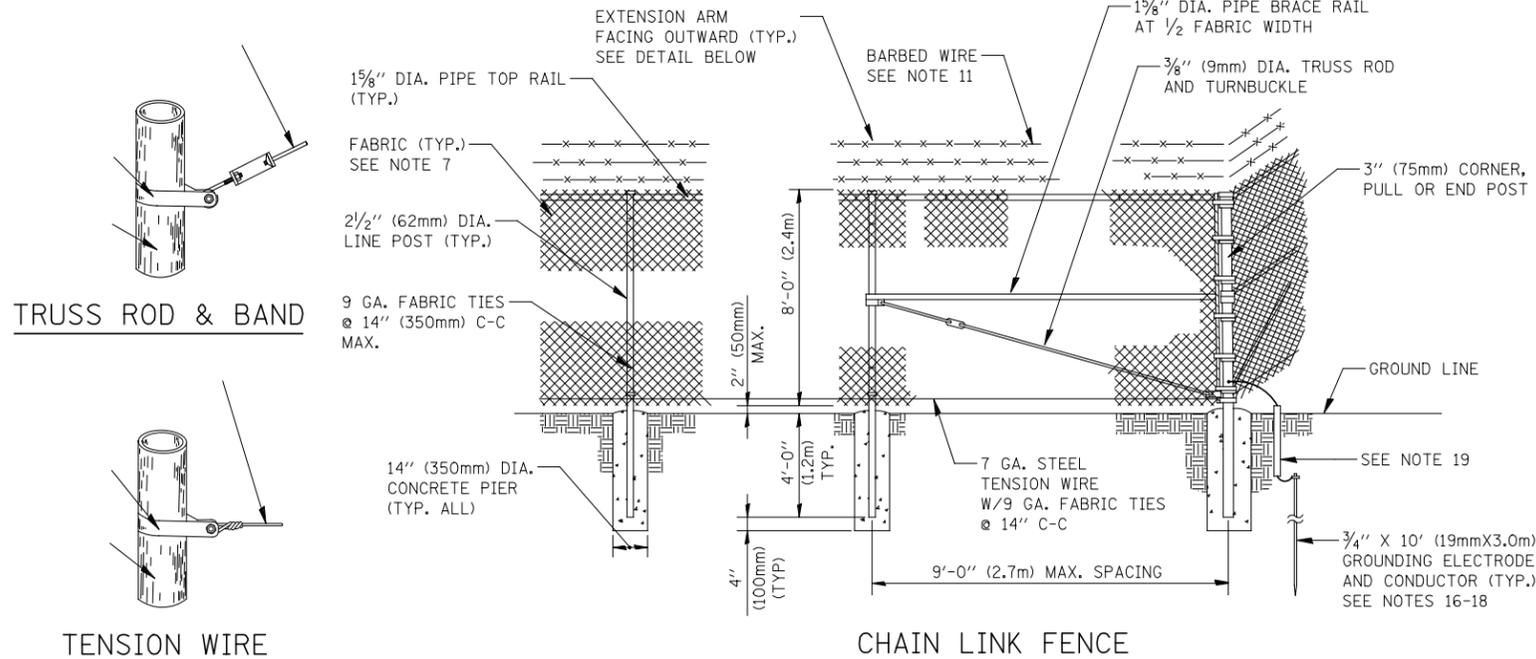
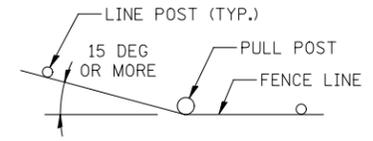


NOTES:

- ALL POSTS, RAILS, AND WALK GATE FRAMES ARE SCHEDULE 40 GALVANIZED STEEL PIPE. SEE NOTES 2 AND 3. ALL POSTS HAVE SLOTS, LUGS, BANDS, CLIPS OR OTHER APPROVED NON-SLIPPING DEVICE FOR ATTACHING WIRE.
- ROUND SHAPED POST CROSS SECTIONS ARE SHOWN. OTHER CROSS SECTIONS OF EQUAL OR LARGER WEIGHT MAY BE USED.
- ANY PROPOSED SUBSTITUTIONS FOR FENCING MATERIALS SHALL BE CERTIFIED TO COMPLY IDOT SPECIFICATIONS, SECTION 664.
- TERMINAL POSTS (END, CORNER AND PULL) ARE 3" DIA. SCHEDULE 40 STEEL PIPE. MAXIMUM SPACING FOR INTERMEDIATE POSTS IS 9'-0".
- TOP RAILS & BRACE RAILS ARE 1 1/8" DIA. GALVANIZED STEEL PIPE.
- ALL POSTS, BRACES, PARTS AND WIRE ARE GALVANIZED AFTER CUTTING OR FORMING.
- FABRIC IS TO BE WOVEN 9 GA. ALUMINUM-COATED WIRE IN A 2"X2" MESH, CONFORMING TO IDOT SPECIFICATIONS, SECTION 664. FENCE FABRIC SHALL BE ATTACHED TO EXTERIOR SIDE OF POSTS.
- ALL END AND CORNER EXTENSION ARMS ARE HEAVY MALLEABLE IRON. ALL INTERMEDIATE EXTENSION ARMS ARE MADE OF PRESSED GALVANIZED STEEL. EACH ARM CARRIES THREE (3) BARBED WIRES, SECURELY FASTENED.
- ALL FITTINGS ARE MALLEABLE WROUGHT IRON OR GALVANIZED PRESSED STEEL.
- EXTENSION ARMS ON EACH POST ARE INSTALLED WITH OVERHANG ON THE EXTERIOR SIDE OF FENCE.
- INSTALL THREE (3) STRANDS OF BARBED WIRE CONSISTING OF TWO (2) TWISTED STRANDS OF 12 GA. ALUMINIUM-COATED STEEL WIRE WITH 4 POINT BARBS APPROXIMATELY 4" APART, CONFORMING TO IDOT SPECIFICATIONS, SECTION 664.
- WALK GATE FRAME IS MADE OF 2" DIA. GALVANIZED TUBULAR STEEL COMPLETE WITH PIVOT TYPE HINGES, CATCH, AND STOPS.
- CHAIN LINK FABRIC TO BE SECURELY FASTENED TO TERMINAL POSTS WITH 1/4" X 3/4" TENSION BAR AND 11 GA. PRESSED STEEL TENSION BANDS SPACED APPROX. 14" APART. FABRIC IS TO BE FASTENED TO THE LINE POST, TOP RAIL, BRACE RAIL, AND TENSION WIRE WITH 9 GA. STEEL TIE WIRES SPACED APPROX. 14" C-C.
- BOTTOM OF FENCING MATERIAL IS TO BE INSTALLED AT A MAXIMUM OF 2" ABOVE THE FINISHED GRADE, EXCEPT AT GATES WHICH MAY REQUIRE A GREATER CLEARANCE.
- GROUND EACH WALK GATE AND AUTOMATIC GATE POST WITH NO. 6 BARE COPPER GROUND WIRE, BY EXOTHERMIC WELDING PROCESS, TO 3/4" X 10' LONG GROUNDING ELECTRODE. CONNECTION TO POSTS IS BY EXOTHERMIC WELDING PROCESS OR MECHANICALLY CLAMPING AN ADEQUATE LENGTH OF COPPER BRAID BETWEEN GATE POST AND GATE SECTION. PIPE GROUNDING CLAMPS BURNDY TYPE GG, GAR, MEET CLAMP SPECIFICATIONS.
- A 3/4" X 10' LONG GROUNDING ELECTRODE IS INSTALLED AND CONNECTED TO FENCE POST AT EACH CORNER OF PLOT FENCING AS DESCRIBED IN NOTE 15.
- A 3/4" X 10' LONG GROUNDING ELECTRODE IS INSTALLED AND CONNECTED, AS DESCRIBED IN NOTE 15, TO THE NEAREST FENCE POST WHERE THE FENCE IS CROSSED BY OVERHEAD POWER FEEDERS.
- MAXIMUM DISTANCE BETWEEN GROUNDING ELECTRODES ALONG FENCELINE IS 150'. WHERE ADDITIONAL ELECTRODES ARE REQUIRED, INSTALL AND CONNECT AS DESCRIBED IN NOTE 15. FOR FENCE RUNS OF MORE THAN 150' BUT LESS THAN 300', INSTALL ELECTRODE AT MID-POINT OF RUN.
- 1/2" DIA. X 15" LONG RIGID PVC CONDUIT FOR MECHANICAL PROTECTION OF GROUNDING CONDUCTORS WHERE THEY EXTEND 3" ABOVE GRADE, AND IS INSTALLED ADJACENT TO THE FENCELINE AND CONCRETE PIER.
- CONCRETE IS THOROUGHLY COMPACTED BY THE HAND-TAMP METHOD, AND FINISHED IN A DOME INSIDE A FULL DEPTH FIBER FORM, NO MUSHROOMING IS PERMITTED.



**CHAIN LINK FENCE
TERMINAL, CORNER, OR END POST**

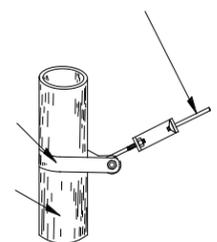


WHEN FENCE LINE HAS A CHANGE OF DIRECTION OF 15 DEGREES OR MORE, A PULL POST SHALL BE PLACED AS SHOWN.

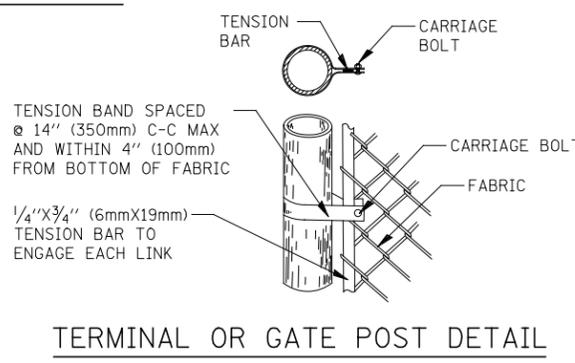
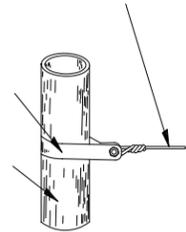
WHERE THE ANGLE IS LESS THAN 15 DEGREES AND EXISTING CONDITIONS REQUIRE A PULL POST, THEY SHALL BE PLACED AS DIRECTED BY THE ENGINEER.

INSTALLATION AT CORNERS

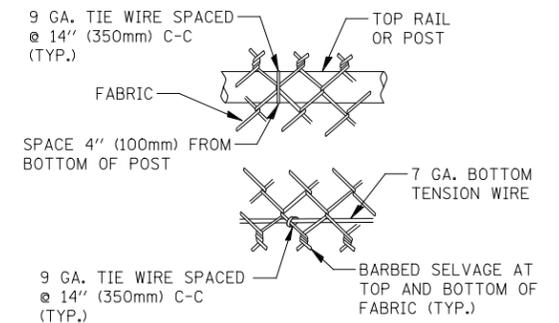
TRUSS ROD & BAND



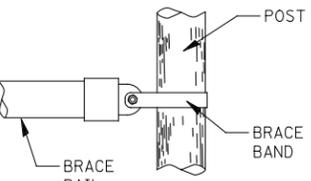
TENSION WIRE



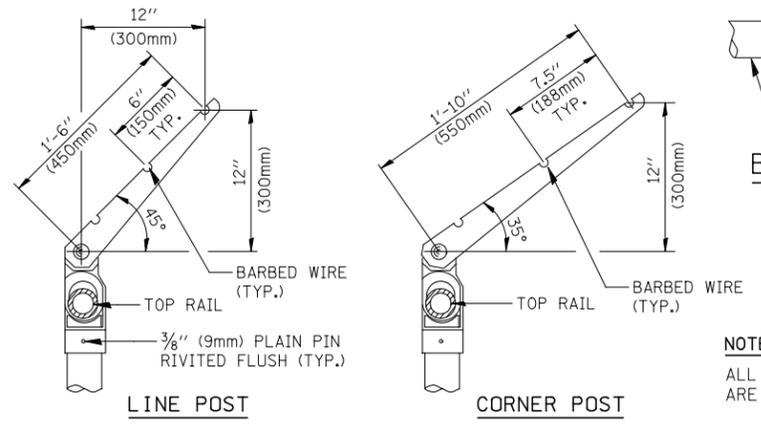
TERMINAL OR GATE POST DETAIL



**FABRIC TIES
LINE POST, TOP OR BRACE RAIL
ATTACHMENTS**



BRACE RAIL CLAMP



**LINE POST
CORNER POST
EXTENSION ARM DETAILS**

NOTE:
ALL DETAILS SHOWN ON THIS SHEET ARE NOT TO SCALE.

USER NAME : *USER*	DESIGNED - RTA	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SECURITY FENCE AND GATE DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - KEA	REVISOR -	338/IL 59					2011-035-I	DUPAGE	181	30	
PLOT SCALE : *SCALE*	CHECKED - PJO	REVISOR -		CONTRACT NO. 60P41			ILLINOIS FED. AID PROJECT				
PLOT DATE : *DATE*	DATE - 03-22-2012	REVISOR -		SCALE:	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.				