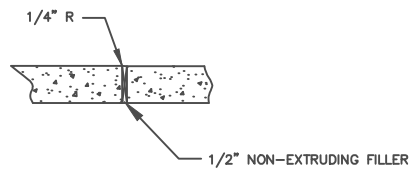
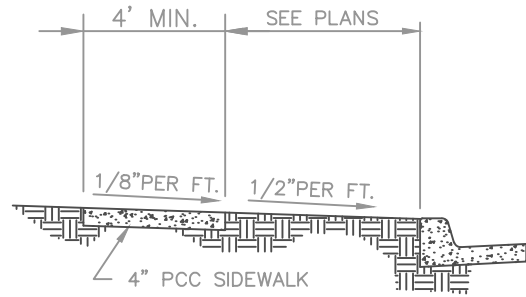


CONTRACTION JOINT

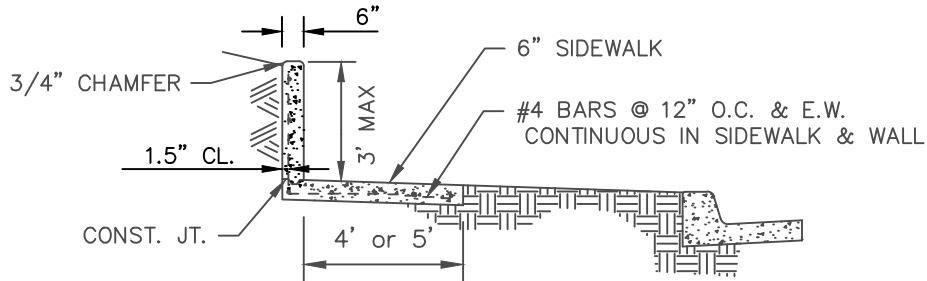


EXPANSION JOINT

SIDEWALK JOINT DETAILS



TYPICAL SIDEWALK SECTION



SIDEWALK WITH INTEGRAL RETAINING WALL

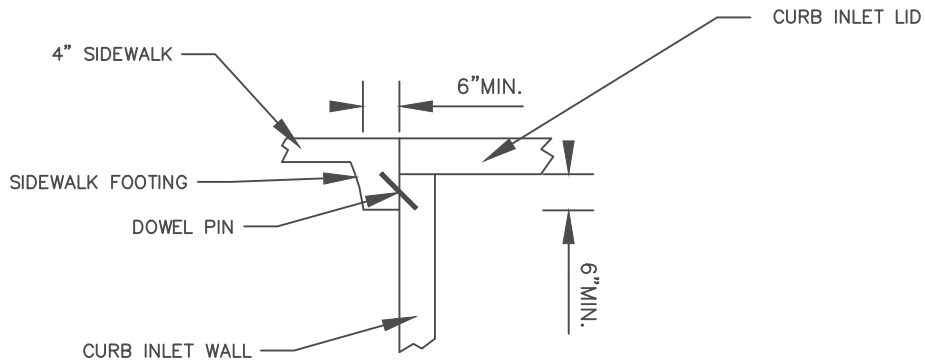
- NOTES:
1. CONTRACTION JOINTS 4' O.C. OR EQUAL TO THE WIDTH OF SIDEWALK.
 2. EXPANSION JOINTS SHALL ABUT EXISTING WALKS, CURBS, DRIVEWAYS, SIMILAR STRUCTURES AND 150' CTRS. MAXIMUM.
 3. SIDEWALK SHALL BE PLACED ON 6" OF COMPACTED SUBGRADE PER APWA SPECIFICATIONS.
 4. KEY ALL CONSTRUCTION JOINTS.
 5. SIDEWALK THICKNESS SHALL BE INCREASED TO 6" MINIMUM WHEN CROSSING A RESIDENTIAL DRIVEWAY AND SHALL MATCH THE THICKNESS OF THE CONCRETE WHEN CROSSING A COMMERCIAL DRIVEWAY.
 6. ALL CONCRETE SHALL BE KCMMB 4K MIX.
 7. FOR ALL ADA RAMPS AND SIDEWALKS, REFER TO MODOT PROWAG SPECIFICATIONS. EXCEPTIONS: REFER TO NOTE #6 FOR CONCRETE SPECIFICATIONS AND NOTE #8 FOR TRUNCATED DOME PANELS ALLOWED.
 8. TRUNCATED DOME PANELS SHALL BE ARMOR TILE CAST IN PLACE OR ADA SOLUTIONS CAST IN PLACE SYSTEMS OR APPROVED EQUAL. PANELS SHALL BE BRICK RED IN COLOR. PANEL SHALL BE 2' X WIDTH OF SIDEWALK.
 9. WHENEVER ANY PORTION OF A CURB INLET LID IS UTILIZED FOR SIDEWALK, A FOOTING SHALL BE INSTALLED. SEE STANDARD DETAIL MIS-02.
 10. ALL SIDEWALK SHALL MEET MoDOT AND PROWAG ADA REQUIREMENTS.
 11. ANY SIDEWALK INSTALLED PARALLEL TO THE STREET WITH A GREEN SPACE LESS THAN 3' WIDE BETWEEN THE BACK OF THE CURB AND THE SIDEWALK, THE SIDEWALK THICKNESS SHALL BE INCREASED TO 6" AND THE SIDEWALK WIDTH INCREASED BY 1'.
 12. SIDEWALK SHALL BE 6" THICK AT STREET INTERSECTIONS FROM THE BACK OF CURB FOR THE FIRST 8 LINEAL FEET AND SHALL BE A MINIMUM OF 5' WIDE FROM THE BACK OF CURB THROUGH THE LANDING.
 13. SIDEWALK SHALL BE INSTALLED AT THE WIDTH SHOWN ON THE CONSTRUCTION PLANS.



STANDARD DETAILS

SIDEWALK SECTION

REVISIONS				DRAWN BY: SPJ	DATE: 2-3-93
NO.	DATE	BY	REMARKS	DETAIL NO.: MIS-01	SCALE: NO SCALE
1	01/14	BM	GENERAL UPDATE	APPROVED BY:	
2	04/18	TSD	GENERAL UPDATE		



NOTES:

1. DOWEL PINS SHALL BE #4 BARS, 7" LONG, INSERTED A MINIMUM OF 3" AND A MAXIMUM OF 4" INTO CURB INLET WALL.
2. EXPANSION JOINTS SHALL BE PLACED AROUND THE LID WHERE THE SIDEWALK ABUTS AND SHALL ISOLATE THE SIDEWALK FROM THE FULL DEPTH OF THE LID. THESE SHALL NOT BE COUNTED TOWARDS THE EXPANSION REQUIRED.
3. DOWEL PINS SHALL BE PLACED ON 18" CENTERS WITH A MINIMUM OF ONE PER EVERY SIDE AFFECTED.
4. FOOTING SHALL BE USED WHENEVER ANY PORTION OF THE CURB INLET LID IS UTILIZED FOR SIDEWALK AND TOP OF CURB INLET AND SIDEWALK SHALL BE FLUSH. IF CURB INLET LID IS USED IT MUST MEET ADA CROSS SLOPE REQUIREMENTS.
5. COST OF FOOTING IS SUBSIDAIARY TO THE SIDEWALK BID.

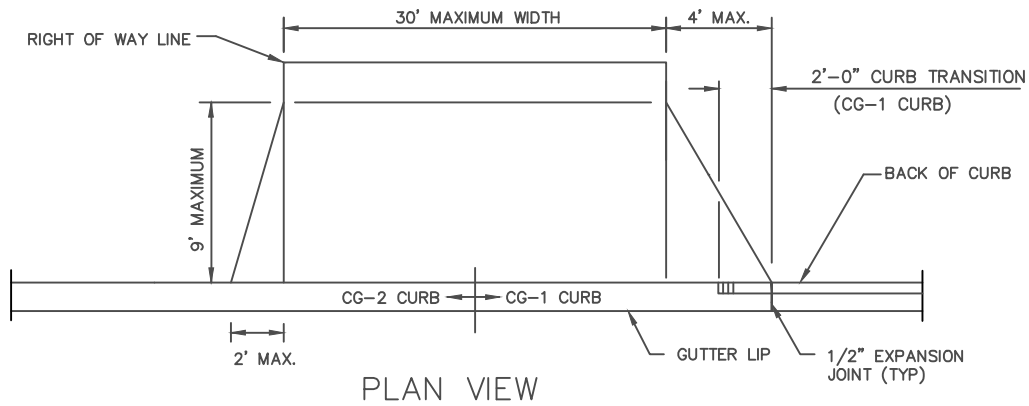
SIDEWALK FOOTING AT CURB INLET DETAIL



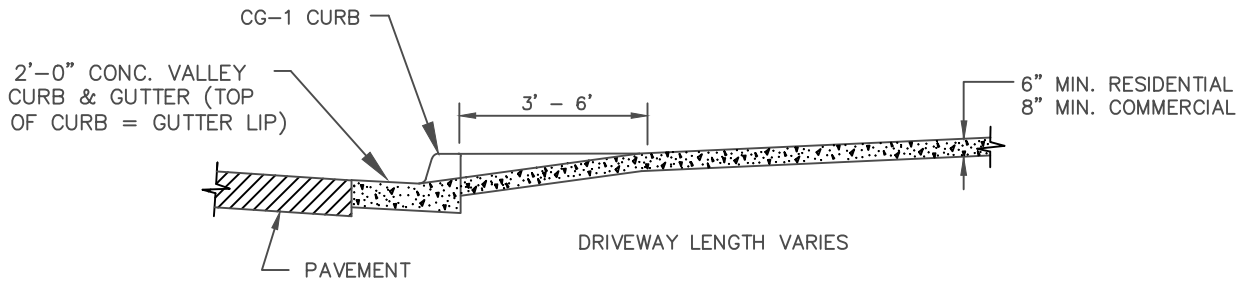
STANDARD DETAILS

SIDEWALK FOOTING AT C.I.

REVISIONS				DRAWN BY:	PWC	DATE:	03-20-14
NO.	DATE	BY	REMARKS	DETAIL NO.:	MIS-02	SCALE:	NO SCALE
1	04/18	TSD	GENERAL UPDATE	APPROVED BY:			



PLAN VIEW



SECTION WITH STRAIGHT BACK CURB (CG-1)

DRIVEWAY DETAIL WITH CURB TRANSITION



SECTION WITH ROLL BACK CURB (CG-2)

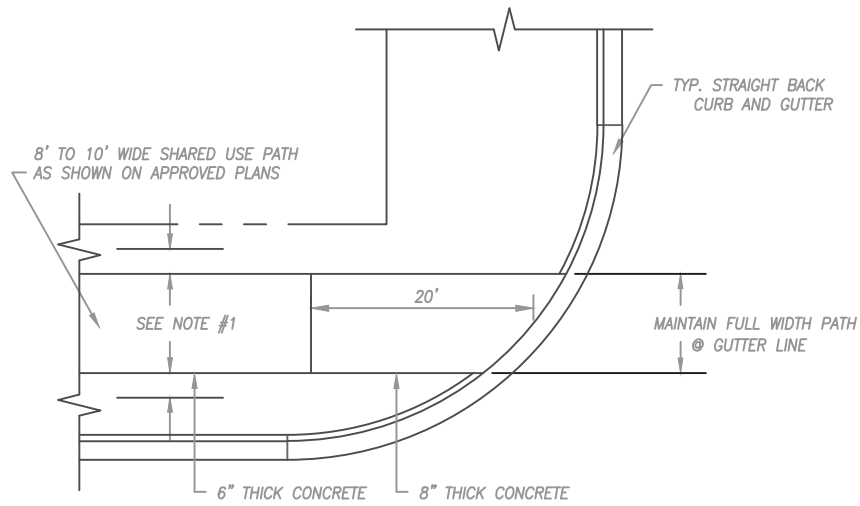
DRIVEWAY DETAIL

- NOTE: 1. WINGS NOT REQUIRED FOR DRIVEWAY WITH NO TRANSITION.
 2. GUTTER FLOW LINE SHALL BE MAINTAINED.
 3. ALL CONCRETE WITHIN THE RIGHT OF WAY SHALL BE KCM MB 4K MIX. EXCEPTION: DRIVEWAYS LOCATED ON THE NON SIDEWALK SIDE OF THE STREET ARE NOT REQUIRED TO USE KCM MB FOR DRIVEWAY CONSTRUCTION.
 4. DRIVEWAY WIDTH IN THE RIGHT OF WAY SHALL MATCH WHAT IS SHOWN ON THE APPROVED PLOT PLAN. WINGS THAT DO NOT EXCEED THE PLAN VIEW SHOWN ABOVE DO NOT COUNT TOWARDS THE DRIVEWAY WIDTH.
 5. ON DRIVEWAYS WHERE A SIDEWALK CROSSES, ADA CROSS SLOPE (2% MAXIMUM) REQUIREMENTS SHALL BE MET. THE CITY RECOMMENDS A 1% CROSS SLOPE.
 6. REFER TO THE DESIGN AND CONSTRUCTION MANUAL FOR FURTHER REQUIREMENTS.

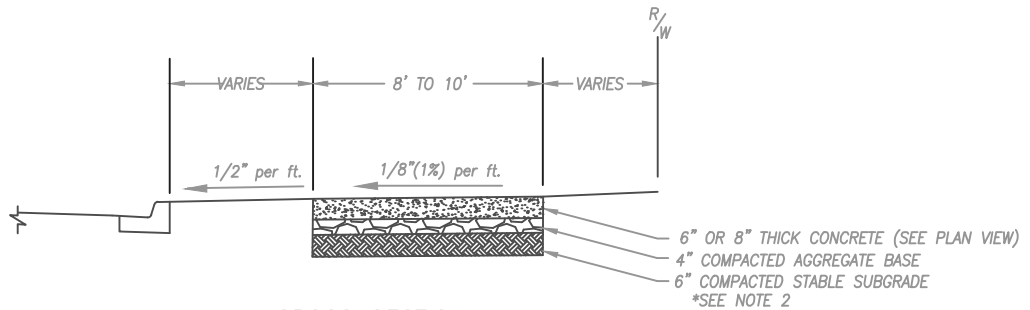


STANDARD DETAILS
RESIDENTIAL DRIVEWAY

REVISIONS				DRAWN BY: SPJ	DATE: 2-22-95
NO.	DATE	BY	REMARKS	DETAIL NO.: MIS-03	SCALE: NO SCALE
1	01/14	BM	GENERAL UPDATE	APPROVED BY:	
2	04/18	TSD	GENERAL UPDATE		



PLAN VIEW



CROSS SECTION

CONCRETE SHARED USE PATH

- NOTES: 1. MAINTAIN 2' WIDE ZONE CLEAR OF SIGNS, POSTS, RAILINGS, ETC.
 2. SHARED USE PATH SHALL BE PLACED ON 6" OF COMPACTED SUBGRADE PER APWA SPECIFICATIONS.
 3. EXPANSION JOINTS SHALL BE PLACED EVERY 150' AND CONTRACTION JOINTS SHALL BE SAW CUT EVERY 10'. PICTURE FRAMING (JOINTING AND EDGING) IS NOT ALLOWED.
 4. ALL CONCRETE SHALL BE KCMMB 4K MIX.
 5. FOR ADA RAMPS, REFER TO MODOT PROWAG SPECIFICATIONS. EXCEPTIONS: REFER TO NOTE #4 FOR CONCRETE SPECIFICATIONS AND NOTE #6 FOR TRUNCATED DOME PANELS ALLOWED.
 6. TRUNCATED DOME PANELS SHALL BE ARMOR TILE CAST IN PLACE OR ADA SOLUTIONS CAST IN PLACE SYSTEMS OR APPROVED EQUAL. PANELS SHALL BE BRICK RED IN COLOR. PANEL SHALL BE 2' X WIDTH OF SHARED USE PATH.
 7. WHENEVER ANY PORTION OF A CURB INLET TOP SLAB IS UTILIZED FOR A SHARED USE PATH, A FOOTING SHALL BE INSTALLED. SEE STANDARD DETAIL MIS-02. IF A TOP SLAB IS USED FOR A PORTION OF THE SIDEWALK, IT MUST MEET ADA CROSS SLOPE REQUIREMENTS.
 8. SHARED USE PATH SHALL MEET MoDOT AND PROWAG ADA REQUIREMENTS.



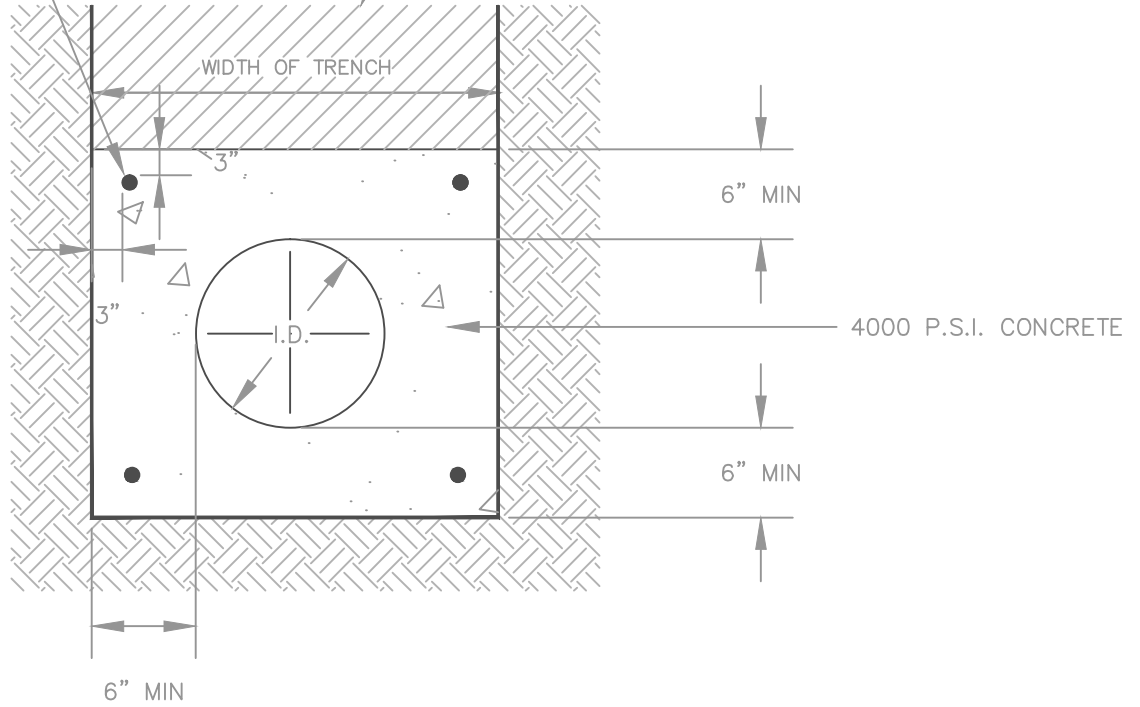
STANDARD DETAILS

CONCRETE SHARED USE PATH

REVISIONS				DRAWN BY: PWC	DATE: 04-11-06
NO.	DATE	BY	REMARKS	DETAIL NO.: MIS-04	SCALE: NO SCALE
1	04/18	TSD	REPLACED ASPHALT SHARED USE PATH	APPROVED BY:	

#4 CONTINUOUS FOR PIPES 36" I.D. AND SMALLER
 #6 CONTINUOUS FOR PIPES LARGER THAN 36" I.D.

COMPACTED TRENCH BACKFILL
 95% MINIMUM DENSITY WITHIN
 STREET RIGHT OF WAY,
 OTHER AREAS IN ACCORDANCE
 WITH SPECIFICATIONS



CONCRETE ENCASEMENT DETAIL

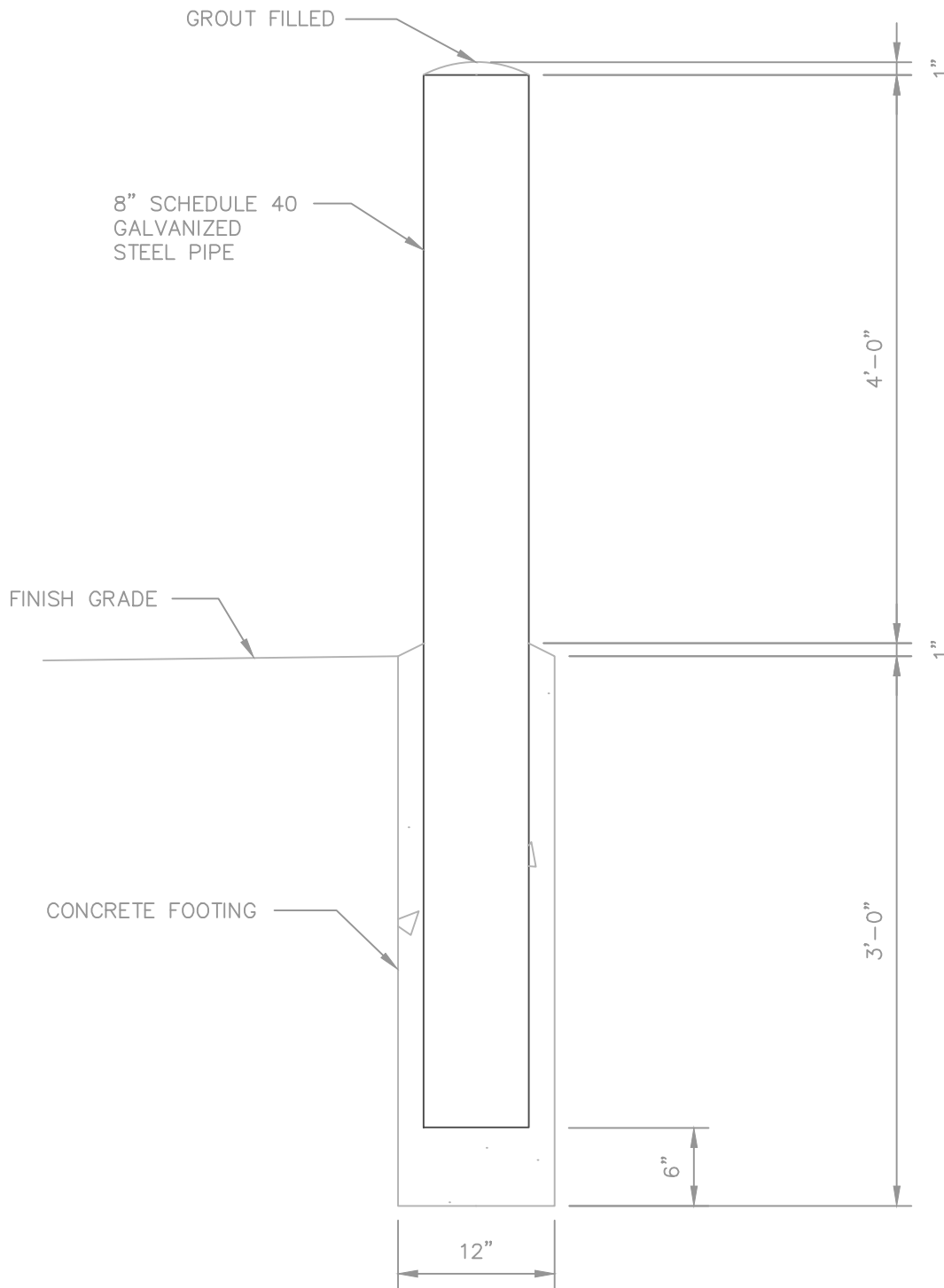
NOTES:

1. CONTRACTOR SHALL BLOCK UP PIPE WITH 8" X 8" X 16" SOLID CONCRETE BLOCKS TO GIVE MINIMUM PIPE CLEARANCE INDICATED.
2. CONTRACTOR SHALL PROVIDE PIPE TIE DOWNS AS NECESSARY TO PREVENT FLOATING.
3. ALLOW CONCRETE TO SET 4 HOURS MINIMUM PRIOR TO TRENCH BACKFILL.



STANDARD DETAILS CONCRETE ENCASEMENT

REVISIONS				DRAWN BY:	PWC	DATE:	09/16/98
NO.	DATE	BY	REMARKS	DETAIL NO.:	MIS-05	SCALE:	NO SCALE
1	04/18	TSD	GENERAL UPDATE	APPROVED BY:			



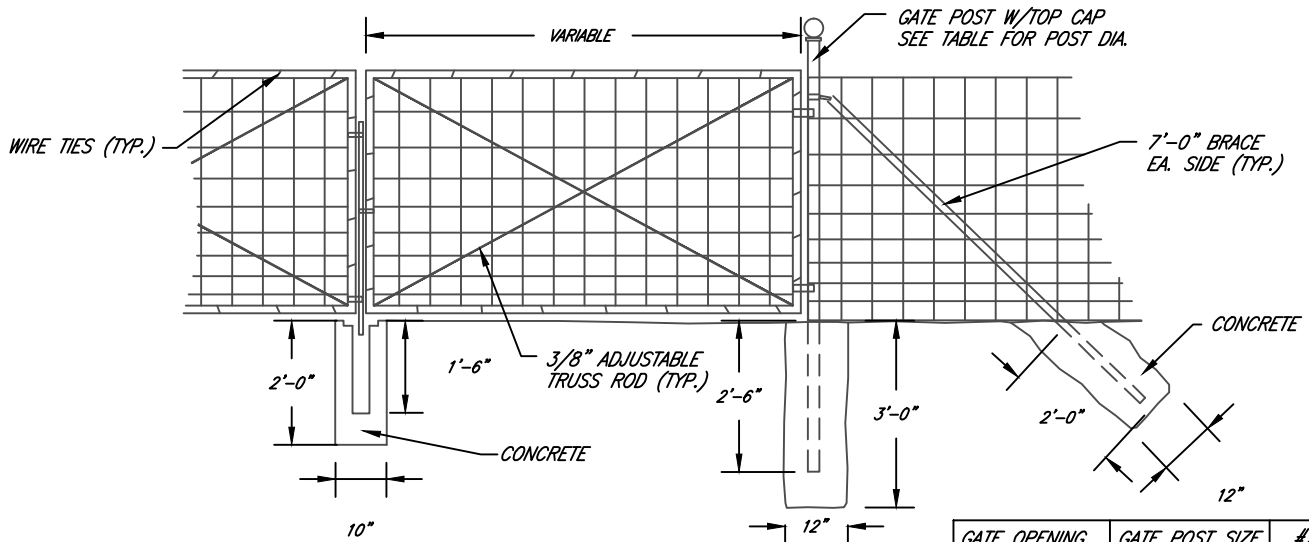
GUARD POST DETAIL



STANDARD DETAILS

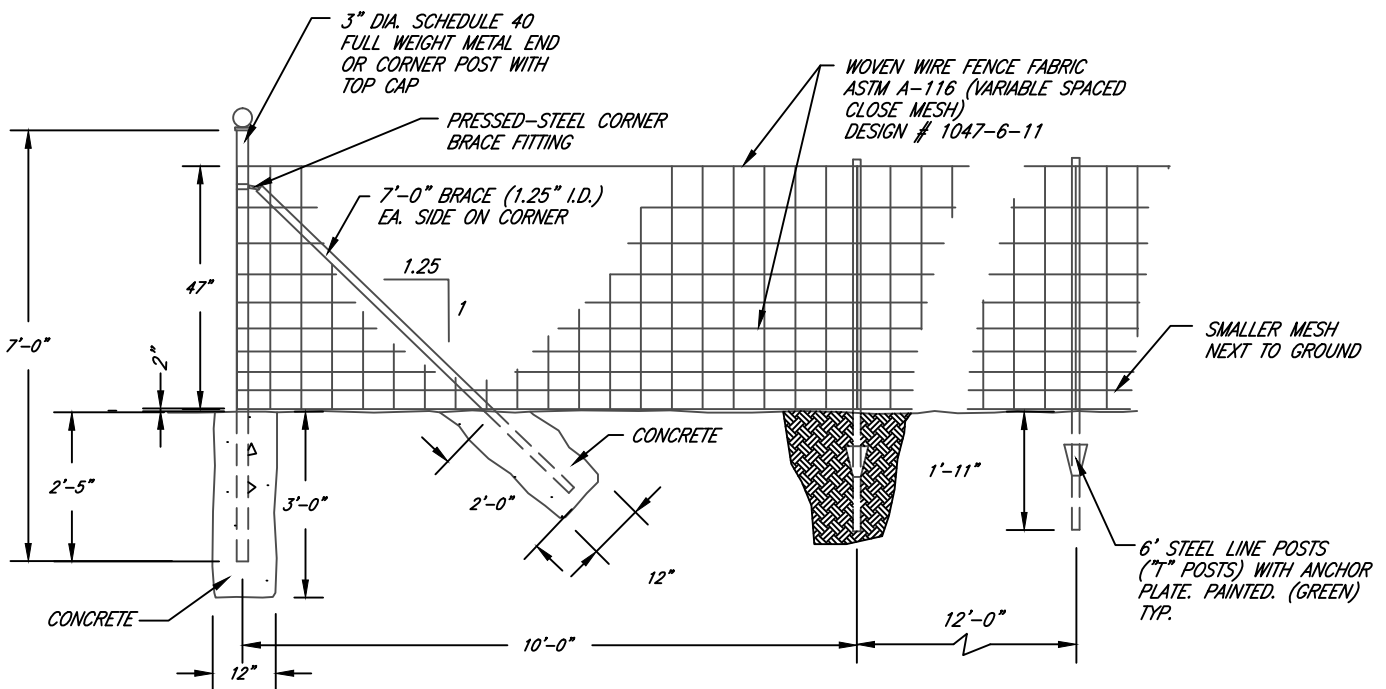
GUARD POST

REVISIONS				DRAWN BY: PWC	DATE: 09-11-98
NO.	DATE	BY	REMARKS	DETAIL NO.: MIS-06	SCALE: NO SCALE
				APPROVED BY:	



GATE ASSEMBLY

GATE OPENING	GATE POST SIZE	#/FT.
6'-0" & LESS	2" I.D.	3.65
13'-0" & LESS	2.5" I.D.	5.79
18'-0" & LESS	3.5" I.D.	9.10
OVER 18'-0"	6" I.D.	18.97
GATE FRAME	1.5 I.D.	2.72



FENCE DETAIL

NOTES:

1. ATTACHMENT OF FABRIC TO STEEL POSTS IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
2. DOUBLE GATES REQUIRED FOR ALL OPENINGS GREATER THAN 12'-0".
3. THIS TYPE OF FENCING ONLY ALLOWED FOR SPECIFIC APPLICATIONS AND MUST HAVE PRIOR APPROVAL FROM THE CITY OF BLUE SPRINGS.



STANDARD DETAILS WOVEN WIRE FENCE

REVISIONS				DRAWN BY:	PWC	DATE:	1/26/00
NO.	DATE	BY	REMARKS	DETAIL NO.:	MIS-07	SCALE:	NO SCALE
1	04/18	TSD	GENERAL UPDATE	APPROVED BY:			