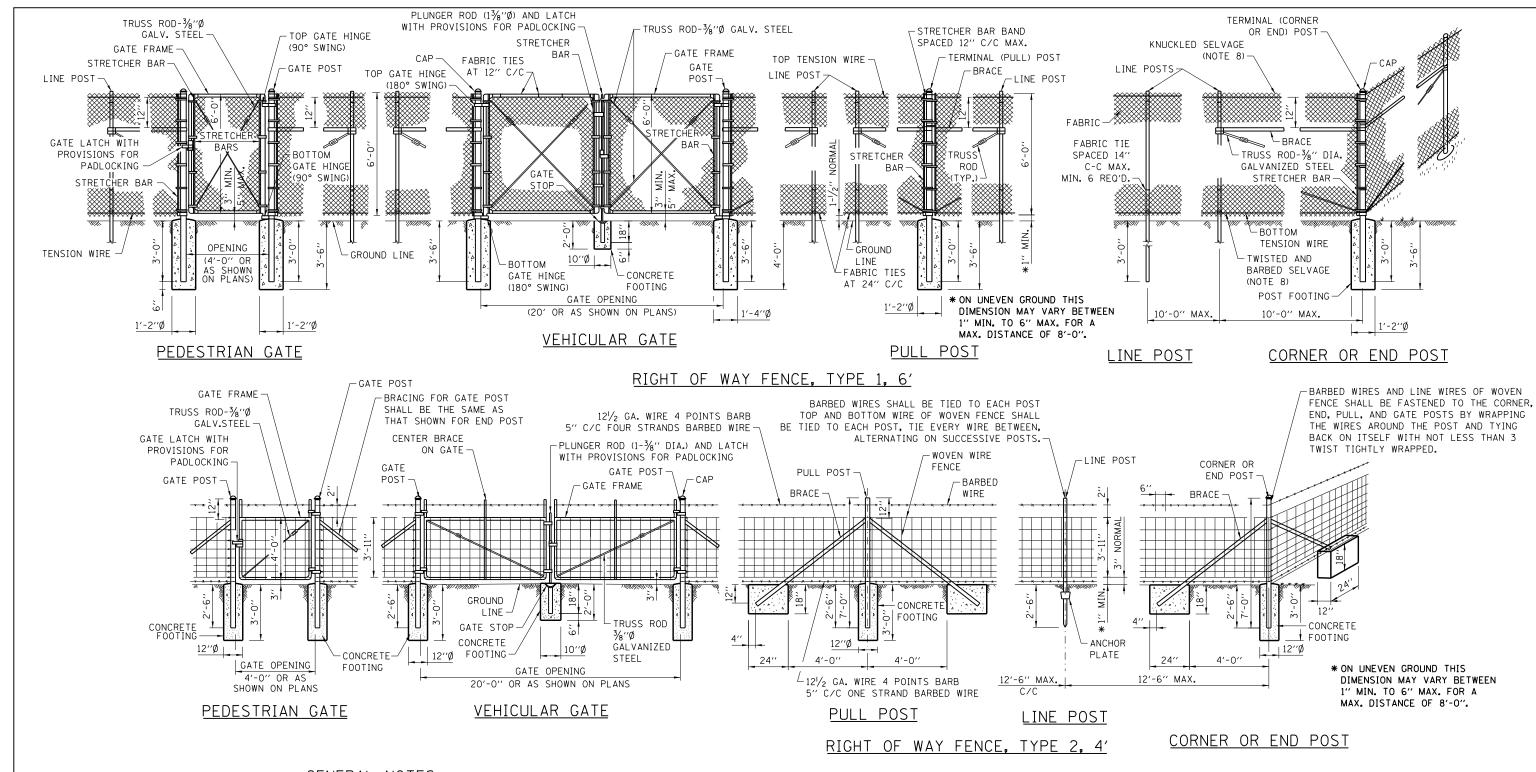
Illinois Tollway Standard Drawing Revisions

Section D	Roadway App	ourtenances
	Standard	Modification Summary Effective: 03-01-2018
	D7-03	Landscape Planting Details
		Deleted deciduous tree planting detail for trees 4.5" caliper and larger
		Revised deciduous tree planting detail and title for trees 4" ht and less than 4.5" caliper. The detail now applies to all deciduous
		tree sizes.
		Revised evergreen tree planting detail
		Revised steep slope planting detail
		Revised shrub planting detail
		Added shrub and groundcover spacing detail
		Revised planting notes 1 and 2
		Added new planting note 3
		Combined planting notes 3 and 6 and modified clearance distance.
		Revised planting notes 5 through 7, 9 though 11, 15 and 16.
		Added planting notes 17, 18 and 19
	•	-



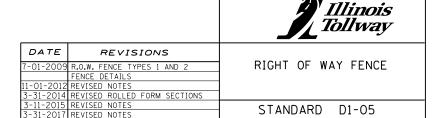




GENERAL NOTES

- ON STRAIGHT RUNS OF FENCE, PULL POSTS SHALL BE USED AT 500' CENTERS FOR TYPE 1 AND 330' CENTERS FOR TYPE 2.
- WHERE R.O.W. FENCE FOLLOWS R.O.W. LINE IT SHALL BE INSTALLED PARALLEL TO AND 6" INSIDE THE R.O.W. LINE ON ILLINOIS TOLLWAY PROPERTY.
- LINE POSTS AND BRACES SHALL BE ON ILLINOIS TOLLWAY SIDE OF FENCE FABRIC.
- 4. WHEN THE TENSION OF THE FENCE TENDS TO PULL THE POSTS FROM THE GROUND, THE LINE POSTS SHALL BE ANCHORED WITH ANCHORAGE SPECIFIED FOR CORNER POSTS.
- 5. WHEN THE FENCE LINE HAS A CHANGE IN DIRECTION OF 10° OR MORE, A CORNER POST SHALL BE PLACED AT THE POINT OF CHANGE. WHERE THE ANGLE OF CHANGE IS LESS THAN 10° A PULL POST SHALL BE USED.
- 6. WHERE GRADE LINE HAS A CHANGE IN SLOPE OF 10° OR MORE, A CORNER POST WITH BRACING AS REQUIRED SHALL BE PLACED. WHERE ANGLE IS LESS THAN 10° LINE POST MAY BE USED.
- 7. WHERE RIGHT-OF-WAY FENCE, TYPE 1 IS USED, THE FABRIC SHALL BE KNUCKLED SELVAGE ON TOP AND TWISTED AND BARBED SELVAGE ON BOTTOM.
- 8. PLACEMENT OF BRACED END POSTS OR CORNER POSTS WITHIN THE CLEAR ZONE SHALL BE AVOIDED.

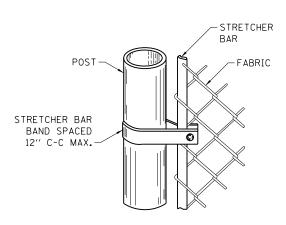
SHEET 1 OF 3



Poul Koracs

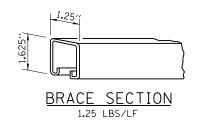
APPROVED. CHIEF ENGINEER

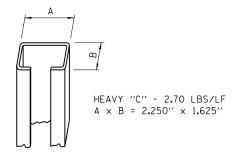
DATE 7-1-2009



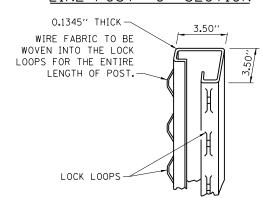
STRETCHER BARS SHALL BE GALVANIZED FLAT STEEL BAR NOT LESS THAN 1/4" × 3/4" AND THE STRETCHER BAR BANDS SHALL BE GALVANIZED FLAT STEEL BAR NOT LESS THAN 1/8" × 1" WITH A 3/8" GALVANIZED CARRIAGE BOLT.

METHOD OF FASTENING STRETCHER BAR TO POST



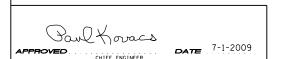


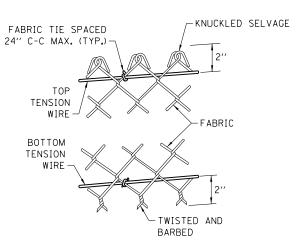
LINE POST "C" SECTION



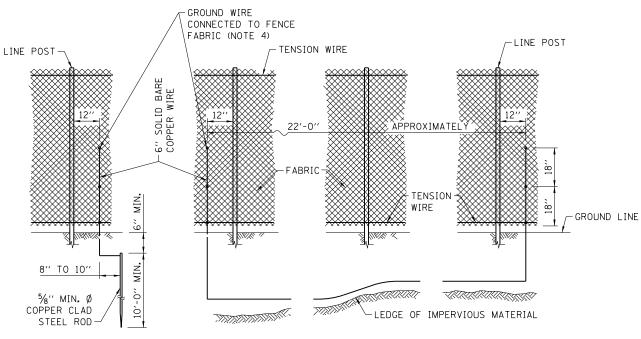
TERMINAL POST SECTION
5.10 LBS/LF

DETAILS OF ROLL FORMED SECTIONS





METHOD OF TYING FABRIC TO TENSION WIRES



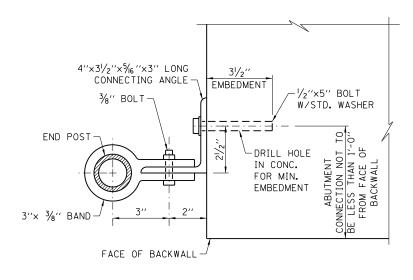
STANDARD GROUND

COUNTERPOISE GROUND (ALTERNATE)

NOTES FOR STANDARD AND COUNTERPOISE GROUND:

- 1. THE INTERVALS FOR GROUNDING CONTINUOUS FENCING SHALL NOT EXCEED 500 FEET IN URBAN AREAS AND 1000 FEET IN RURAL AREAS. FENCE ADJACENT TO A GATE SHALL BE GROUNDED A MAXIMUM DISTANCE 100 FEET EACH SIDE OF THE GATE.
- 2. FENCE CROSSING UNDER A POWER LINE SHALL BE GROUNDED, ONCE DIRECTLY UNDER THE CROSSING AND ONE ON EACH SIDE AT 25 TO 50 FEET AWAY. FENCE LOCATED DIRECTLY UNDER A TELEPHONE WIRE OR CABLE CROSSING SHALL HAVE A SINGLE GROUND.
- 3. COUNTERPOISE GROUNDS SHALL BE USED AT LOCATIONS WHERE GROUND RODS CAN NOT BE DRIVEN DUE TO IMPERVIOUS EARTH MATERIALS.
- 4. THE GROUND WIRES SHALL BE CONNECTED TO FENCE FABRIC AND GROUND ROD BY STAINLESS STEEL BOLTS AND WASHERS. THE LOWER CONNECTION OF THE GROUND WIRE SHALL BE MADE TO THE BOTTOM TENSION WIRE.

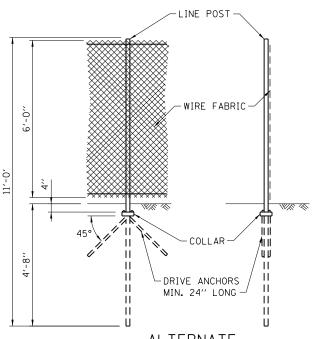
ELECTRICAL GROUNDING DETAILS



ABUTMENT CONNECTION DETAIL

NOTES FOR ABUTMENT CONNECTION:

1. WHEN ROLL FORMED SECTION IS USED IN LIEU OF PIPE AS END POST, THE POST SHALL BE BOLTED DIRECTLY TO THE ABUTMENT WALL WITH $2^1\!/_2$ " x 5" BOLTS WITH STANDARD WASHERS MEETING THE APPROVAL OF THE ENGINEER.



ALTERNATE

DRIVEN LINE POST ANCHORAGE
WITH OR WITHOUT DRIVE ANCHORS

NOTE FOR FENCE POST:

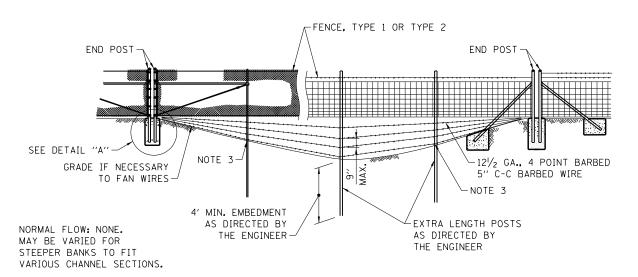
ALTERNATE DRIVEN LINE POST ANCHORAGE IS OPTIONAL. DRIVEN LINE POST ANCHORAGE WITHOUT DRIVE ANCHORS MAY BE USED IN AVERAGE TO GOOD SOIL CONDITIONS. WHEN SOIL IS WEAKER (OU < 1.25 TONS/ SO. FT.) AND STABILITY OF THE POST IS QUESTIONABLE, DRIVE ANCHORS SHALL BE USED. TYPES, SHAPES, DIMENSIONS AND COATING REQUIREMENTS OF DRIVE ANCHORS (ANCHOR BLADES AND COLLARS) FOR DIFFERENT TYPE OF POSTS SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

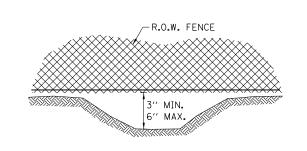
SHEET 2 OF 3



RIGHT OF WAY FENCE

STANDARD D1-05







-Ø SAME AS REGULAR FOOTING

— GROUND

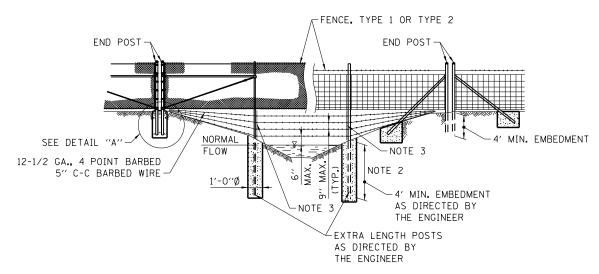
NOTE:

LINE

<u>FOOTING FOR POST WHEN</u> <u>ROCK LEDGE IS ENCOUNTERED</u>

FENCE INSTALLATION OVER DITCH

STREAM CROSSING, TYPE 1



STREAM CROSSING, TYPE 2

END POST 4" MAX. END POST NOT CENTERED IN CONCRETE

NOTES FOR STREAM CROSSING TYPE 1 AND TYPE 2:

- 1. THESE INSTALLATION CONDITIONS ARE TYPICAL AND ARE NOT TO BE CONSTRUCT AS REPRESENTATIVE OF ALL CONDITIONS WHICH WILL BE ENCOUNTERED. CONSTRUCTION WILL BE VARIED AS REQUIRED OR DIRECTED TO MEET FIELD CONDITIONS.
- 2. FOR STREAM CROSSING OF THE TYPE REQUIRED THE BOTTOM BARBED WIRE SHALL BE ANCHORED TO CONCRETE FOOTING OR TO HOLES DRILLED IN POSTS, AND INTERMEDIATE WIRES SHALL BE TIED TO THE BOTTOM WIRE AND TO POSTS IN AN EVENLY SPACED FASHION TO PREVENT SLIPPAGE.
- CONCRETE AND FITTINGS FOR ALL TYPES OF FENCE SHALL BE AS DETAILED FOR SIMILAR CONDITIONS PER STANDARD DRAWING.

THE FENCE FABRIC SHALL BE REPLACED BY BARBED WIRE STRANDS AT 12" MAXIMUM CENTERS BETWEEN THE END POSTS.

DETAIL A

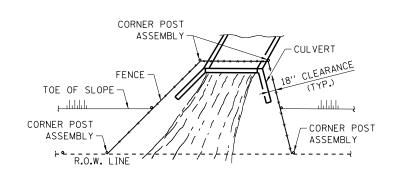


 THIS TYPE OF INSTALLATION IS TO BE USED ONLY WHEN SPECIFICALLY CALLED FOR IN THE CONTRACT PLANS.

NOTES FOR INSTALLATION AROUND HEADWALL:

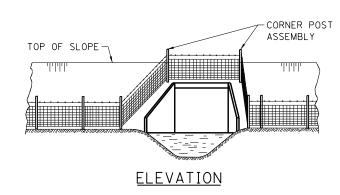
2. WHEN THE WIDTH OF THE CULVERT MAKES NECESSARY TO ANCHOR A POST TO THE TOP OF THE CULVERT, A CAST IRON SHOE OR OTHER DEVICE APPROVED BY THE ENGINEER SHALL BE USED.

INSTALLATION AROUND HEADWALL



CONCRETE FOOTING -

PLAN AT HEADWALL



SHEET 3 OF 3



RIGHT OF WAY FENCE

STANDARD D1-05

SURVEY AND ROADWAY ITEMS EROSION & SEDIMENT CONTROL, LANDSCAPING ITEMS EXIST<u>ING</u> **PROPOSED EXISTING** PROPOSED **PROPOSED** EXISTING CLEARING & GRADING LIMITS CONSTRUCTION JOINT W/DOWEL BARS (LIMITS OF CONSTRUCTION) DIVERSION DIKE \bowtie \boxtimes EROSION CONTROL BLANKET BENCHMARK DRAINAGE DIVIDE DRAINAGE PATH CANTILEVER SIGN STRUCTURE OVER SEEDING CLASS B1 BUTTERFLY SIGN STRUCTURE SEDIMENT BASIN OVER SEEDING CLASS B2 • • DOUBLE COLUMN GROUND MOUNTED SIGN AGGREGATE BERM CULVERT INLET SINGLE COLUMN GROUND MOUNTED SIGN PROTECTION-STONE SEEDING CLASS A1 CULVERT INLET ∇ SPAN TYPE SIGN STRUCTURE PROTECTION-FENCE DB SEEDING CLASS A2 DEWATERING BASIN TRIPLE COLUMN GROUND MOUNTED SIGN $\begin{bmatrix} 0 & 0 & 0 \end{bmatrix}$ - FIPB -FILTER FABRIC SEEDING CLASS A3 000000000 INLET PROTECTION, BASKET TYPE RUMBLE STRIP FILTER FABRIC DRAINAGE AND UTILITY ITEMS; ROADWAY LIGHTING AND SIGNS INLET PROTECTION, COVER TYPE SEEDING CLASS A4 — FB —— FB — FLOTATION BOOM PROPOSED EXISTING (C) INITIAL CONSTRUCTION ITEM SEEDING CLASS A5 -RIP-BOX CULVERT WITH HEADWALL RECTANGULAR INLET PROTECTION CABLE IN DUCT W/O GROUND SEEDING CLASS A6 LOW POINT TEMPORARY ROCK CHECK DAM OVERHEAD ELECTRICAL SEEDING CLASS D1 TEMPORARY DITCH CHECK OVERHEAD TELEPHONE PIPE CULVERT SODDING (SALT TOLERANT) Œ LAKE OR POND **(1)** QUARRY SEDIMENT BASIN TEMPORARY GROUND COVER STREAM SWAMP * * * * * * * SILT FENCE $\langle A \rangle$ CABLE OR CONDUIT TAG _____SSF____ SUPER SILT FENCE TURF REINFORCEMENT MAT [E] $[\mathsf{E}]$ ELECTRICAL MANHOLE STABILIZED CONSTRUCTION ENTRANCE []LD LIGHT-DUTY BOX STONE OUTLET STRUCTURE SEDIMENT TRAP ROADWAY LUMINAIRE STREAM DIVERSION <u>_____</u> TEMPORARY PIPE SLOPE DRAIN M TEMPORARY RIPRAP STEEL TOWER -**√-**TS-**√-**[T]T TEMPORARY SWALE TELEPHONE MANHOLE 0 TREES AND STUMP UNDERPASS LUMINAIRE TREE PROTECTION SHEET 1 OF 3 0 WATER POINT [W] W WATERMAIN VALVE VAULT Illinois TEMPORARY STREAM CROSSING \bigcirc W *Tollway* WATER WELL \otimes WOOD POLE DATFREVISIONS SYMBOLS AND PATTERNS REVISED SYMBOL & PATTERNS ADDED NEW SYMBOLS Paul Koracs 3-11-2015 ADDED NEW SYMBOL 3-31-2016 UPDATED DITCH CHECK SYMBO

DATE 7-1-2009

CHIEF ENGINEER

STANDARD D2-04

ELECTRICAL AND MECHANICAL ITEMS

				EXISTING	PROPOSED	
	HOME RUN TO PANEL AS NOTED	G	STANDBY GENERATOR	——— А ———	A	COMPRESSED AIR (A)
⊗ ⊚	INDICATES CIRCUIT TURNING DOWN INDICATES CIRCUIT TURNING UP	A -P	PANEL CIRCUIT BREAKER	AR	AR	ACID RESISTANT WASTE OR DRAIN
•	GROUND ROD	С	MECHANICALLY HELD LIGHTING COIL	ARV	ARV	ACID RESISTANT VENT
	GROUNDING TRIAD	CR	CONTROL RELAY COIL	DS	DS	STORM SEWER (DOWNSPOUT)
(€) (€)		\$	SINGLE-POLE SWITCH	G	G	GAS LINE
V/V	TRANSFORMER	\ominus	DUPLEX RECEPTACLE	——— нс ———	——— нс ———	HOT GAS BYPASS LINE (HG)
	MOTOR	© c	4P, 4W, WEATHERPROOF RECEPTACLE WITH SPRING DOOR, BACK BOX, & ANGLE ADAPTER	HHWR	——— нн w r ———	HEATING HOT WATER RETURN (HHWR)
O O ATSA -P,-W	AUTOMATIC TRANSFER SWITCH (ATS)	\bigcirc B	4P, 4W, WEATHERPROOF RECEPTACLE WITH SPRING DOOR & BACK BOX	HHWS	HHWS	HEATING HOT WATER SUPPLY (HHWS)
JB OR J	JUNCTION BOX	GFI	DUPLEX RECEPTACLE WITH GROUND FAULT PROTECTION	IA	IA	DRY COMPRESSED AIR (IA-INSTRUMENT AIR)
	DISCONNECT SWITCH	А	CONTROL BUILDING LIGHTING 1' X 4' INDUSTRIAL FLUORESCENT FIXTURE, PORCELAIN REFLECTOR, ELECTRONIC BALLAST.	——— Р ———	P	PROCESS WATER ("P" WATER) LINE
A		В	COMPACT WALL-MOUNTED LOW WATTAGE HPS FIXTURE WITH WIRE GUARD & SINGLE FACTORY INSTALLED FUSE	PW	—— РW ———	PROTECTED WATER OR PLANT WATER (PW)
A	CIRCUIT BREAKER	c T	EMERGENCY LIGHT UNIT WITH 2-6 VOLT, 12 WATT SEALED BEAM HALOGEN LAMPS WITH WALL MOUNTING BRACKET	RD	RD	REFRIGERANT DISCHARGE LINE (RD)
A	MANUAL TRANSFER SWITCH	D	LANE LIGHTING - HEAVY DUTY ALUMINUM HOUSING WITH ENCLOSED REFLECTOR & TEMPERED GLASS LENS W/AUTO	RS	RS	REFRIGERANT SUCTION LINE (RS)
sw.		\\-	REGULATOR BALLAST. ASYMMETRIC PATTERN WIRE	v	v	VENT LINE (V)
wh	SELF CONTAINED UTILITY METERING	<u> </u>	CONDUIT			

SHEET 2 OF 3



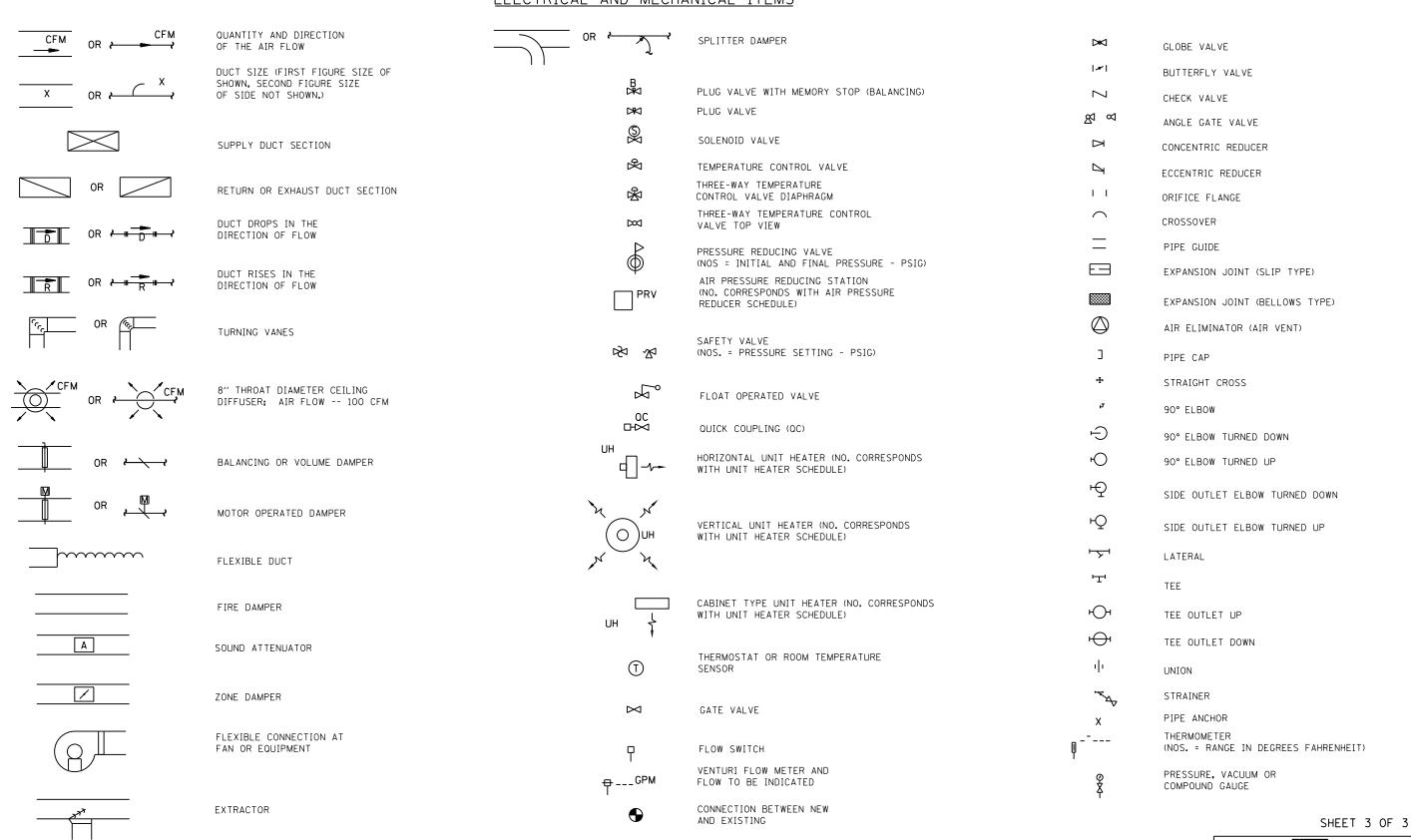
NOTE:

ALL SYMBOLS AND PATTERNS ON THIS DRAWING ARE PROPOSED UNLESS OTHERWISE NOTED.

SYMBOLS AND PATTERNS

STANDARD D2-04

ELECTRICAL AND MECHANICAL ITEMS



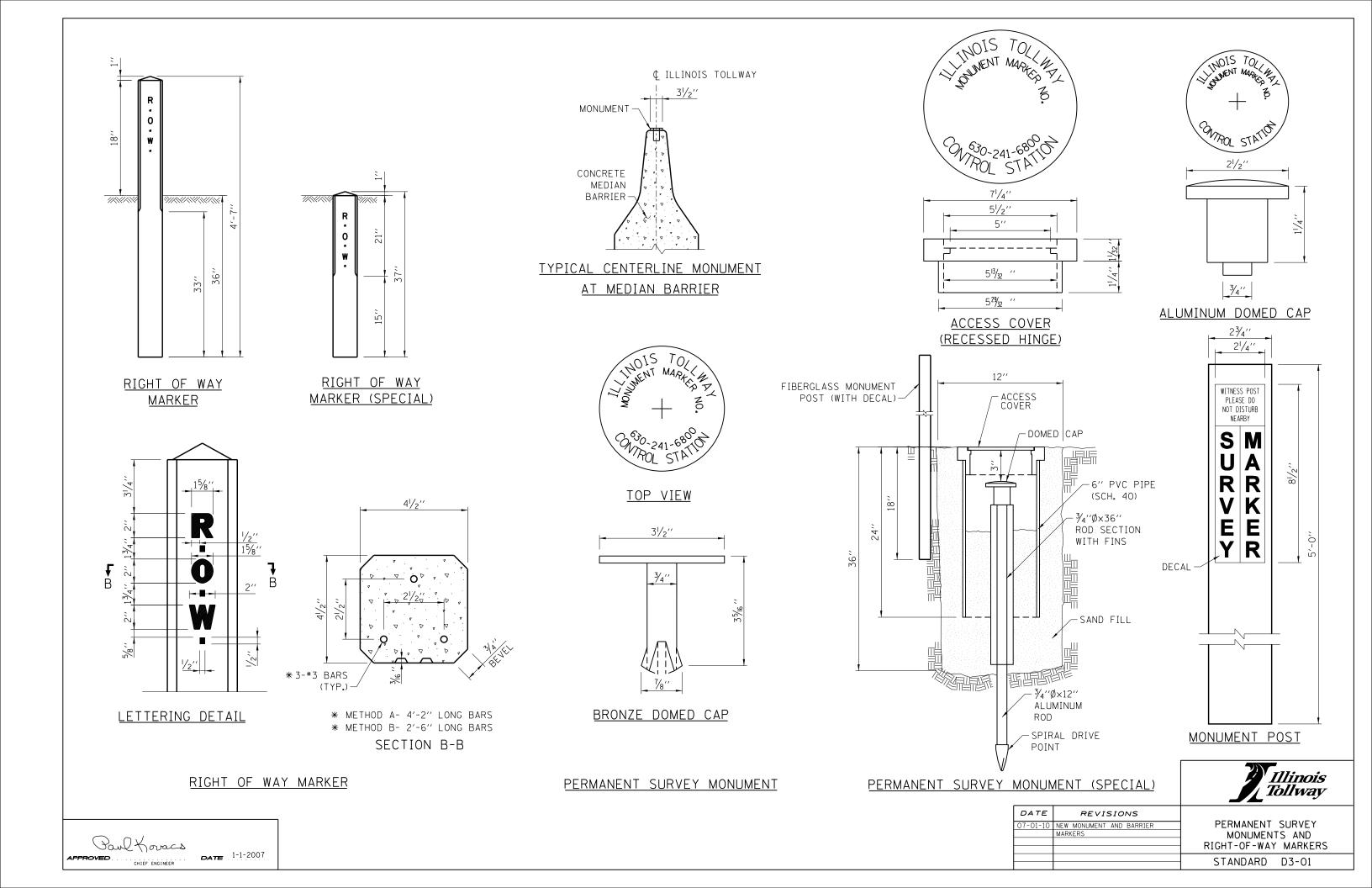


NOTE:

ALL SYMBOLS AND PATTERNS ON THIS DRAWING ARE PROPOSED UNLESS OTHERWISE NOTED.

SYMBOLS AND PATTERNS

STANDARD D2-04



	PEF	RMANENT DELINEATIO	N SPACING		
		IIAM	MAINLINE		AMP
	REFLECTORS	TANGENT	CURVE	TANGENT	CURVE
*	GUARDRAIL	100′	100′	100′	100' (R >= 1,050') 50' (R < 1,050')
*	BARRIER WALL (DOUBLE FACE)	100′	100′	100′	100' (R >= 1,050') 50' (R < 1,050')
*	BARRIER WALL (SINGLE FACE)	100′	100′	100′	100' (R >= 1,050') 50' (R < 1,050')
	SHOULDER NARROWING	3 @ 15′	3 @ 15′	3 @ 15′	3 e 15′
	BRIDGE APPROACHES	3 @ 15′	3 @ 15′	3 @ 15′	3 @ 15′
*	BRIDGE PARAPET	50′	50′	50′	50′
*	NOISE ABATEMENT WALL (CRASH WORTHY)	100′	100′	100′	100' (R >= 1,050') 50' (R < 1,050')
	ROADWAY DELINEATORS	MAIN	ILINE	RA	AMP
		TANGENT	CURVE	TANGENT	CURVE
	POST MOUNTED DELINEATOR	200′	200′	200′	TABLE A

TE	MPORARY DELINE	ATION SPACING		
	TANGENT	REVERSE CURVE	SHIFT	TAPER
TEMPORARY CONCRETE BARRIER	50′	25′	25′	25′

100'

NΑ

NA

100'

* WHEN ADJACENT SHOULDER IS USED AS A TRAVELED LANE, USE SPACING REQUIREMENTS AS SHOWN FOR TEMPORARY DELINEATION.

TABLE A		
REFLECTOR SPACING	ON RAMP-CURVES	
RADIUS OF CURVE (FT.)	SPACING ALONG CURVE (FT.)	
LESS THAN 1050	50	
1050-1299	100	
1300-1999	125	
2000-2999	150	
3000-3999	175	
MORE THAN 3999	200	

GENERAL NOTES:

EMERGENCY TURNAROUNDS DELINEATION-THE FOLLOWING DELINEATION SHOULD BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT APPROACHING EMERGENCY TURNAROUNDS.

- A. ONE-HALF OF A MILE IN ADVANCE OF THE EMERGENCY TURNAROUNDS ONE WHITE REFECTOR UNIT OVER THREE AMBER REFLECTOR UNITS.
- B. ONE-FOURTH OF A MILE IN ADVANCE OF THE EMERGENCY TURNAROUNDS ONE WHITE REFLECTOR UNIT OVER TWO AMBER REFLECTOR UNITS.
- C. AT A POINT NEAR THE INTERSECTION OF THE EDGE OF THE LEFT SHOULDER AND NEAR EDGE OF THE EMERGENCY TURNAROUNDS ONE WHITE REFLECTOR UNIT OVER ONE AMBER REFLECTOR UNIT.

NOTES FOR ROADWAY DELINEATORS, POST MOUNTED INSTALLATION:

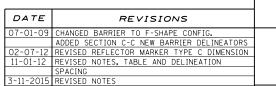
- 1. A. MAINLINE-SINGLE WHITE REFECTOR UNITS SHALL BE PLACED CONTINUOUSLY
 ON THE RIGHT AND SINGLE AMBER REFLECTOR UNITS SHALL BE PLACED ON
 THE LEFT ON MAIN LINE SECTIONS WITHOUT BARRIER WALL.
 - B. RAMPS-SINGLE REFLECTOR UNITS SHALL BE PLACED ON THE OUTSIDE OF ALL CURVED SECTIONS OF RAMPS, SINGLE WHITE SHALL BE PLACED ON THE RIGHT SIDE AND AMBER ON THE LEFT SIDE. THE DELINEATORS SHALL BE OVERLAPPED FOR A SHORT DISTANCE TO CLEARLY INDICATE WHERE DELINEATION ON ONE SIDE OF THE RAMP ENDS AND DELINEATION ON THE OTHER SIDE APPEARS.
 - C. DOUBLE WHITE REFLECTOR UNITS SHALL BE PLACED ON THE RIGHT AT ALL ACCELERATION AND DECELERATION LANES.
- 2. REFLECTORS SHALL BE MOUNTED ON SUPPORTS SUCH THAT THE TOP OF REFLECTORS IS FOUR FEET ABOVE THE ROADWAY EDGE AND TWO FEET OUTSIDE THE OUTER EDGE OF THE PAVED SHOULDER OR TWO FEET MINIMUM AND SIX FEET MAXIMUM OUTSIDE THE BACKS OF CURBS OR GUTTERS.
- 3. IN ALL CASES, THE COLOR OF THE REFLECTORS SHALL BE THE SAME AS THE ADJACENT EDGE LINE EXCEPT AS SPECIFIED IN GENERAL NOTES.
- 4. POST MOUNTED REFLECTORS SHALL BE PLACED CONTINUOUSLY AS NOTED ABOVE IN CONJUNCTION WITH GUARDRAIL INSTALLED.
- 5. THE PLACEMENT OF ROADWAY DELINEATOR "CIRCULAR REFLECTORS" SHALL BE USED FOR ALL MINOR PROJECTS WHICH HAVE A LENGTH OF LESS THAN 5 MILES. THE PLACEMENT OF ROADWAY DELINEATOR "RECTANGULAR REFLECTORS" SHALL BE USED FOR ALL MAJOR PROJECTS WHICH HAVE A LENGTH GREATER THAN 5 MILES. ALL ROADWAY DELINEATORS WITHIN A ROADWAY SEGMENT SHALL BE OF THE SAME TYPE.

NOTES FOR GUARDRAIL AND BARRIER WALL REFLECTOR:

1. REFLECTORS TYPE B AND TYPE C SHALL HAVE REFLECTIVE SURFACE ON ONE SIDE ONLY.

SHEET 1 OF 3

' Illinois Tollway



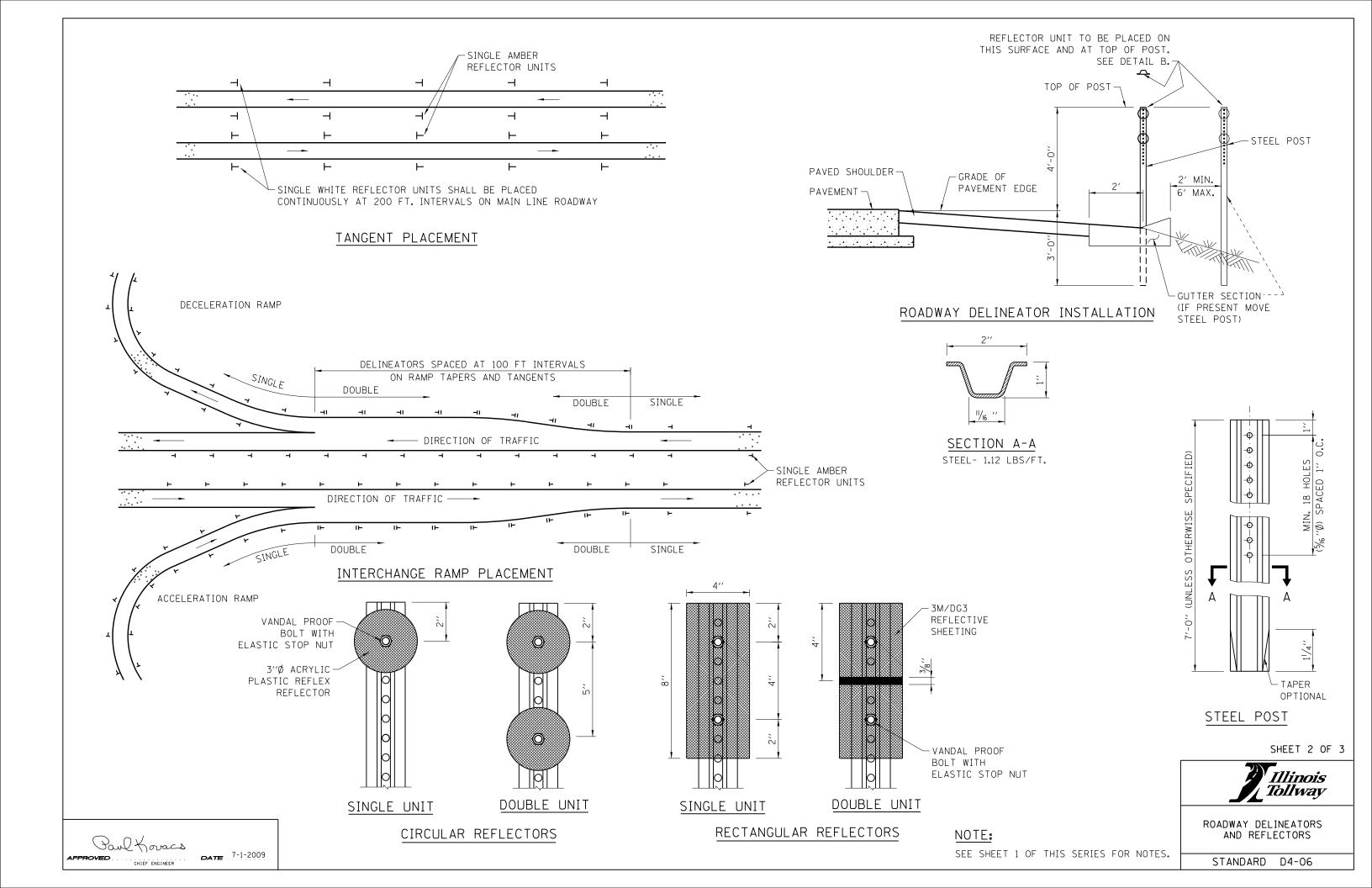
REVISED DELINEATOR ATTACHMENT TO POST REVISED PERM. DELINEATION SPACING TABLE ROADWAY DELINEATORS AND REFLECTORS

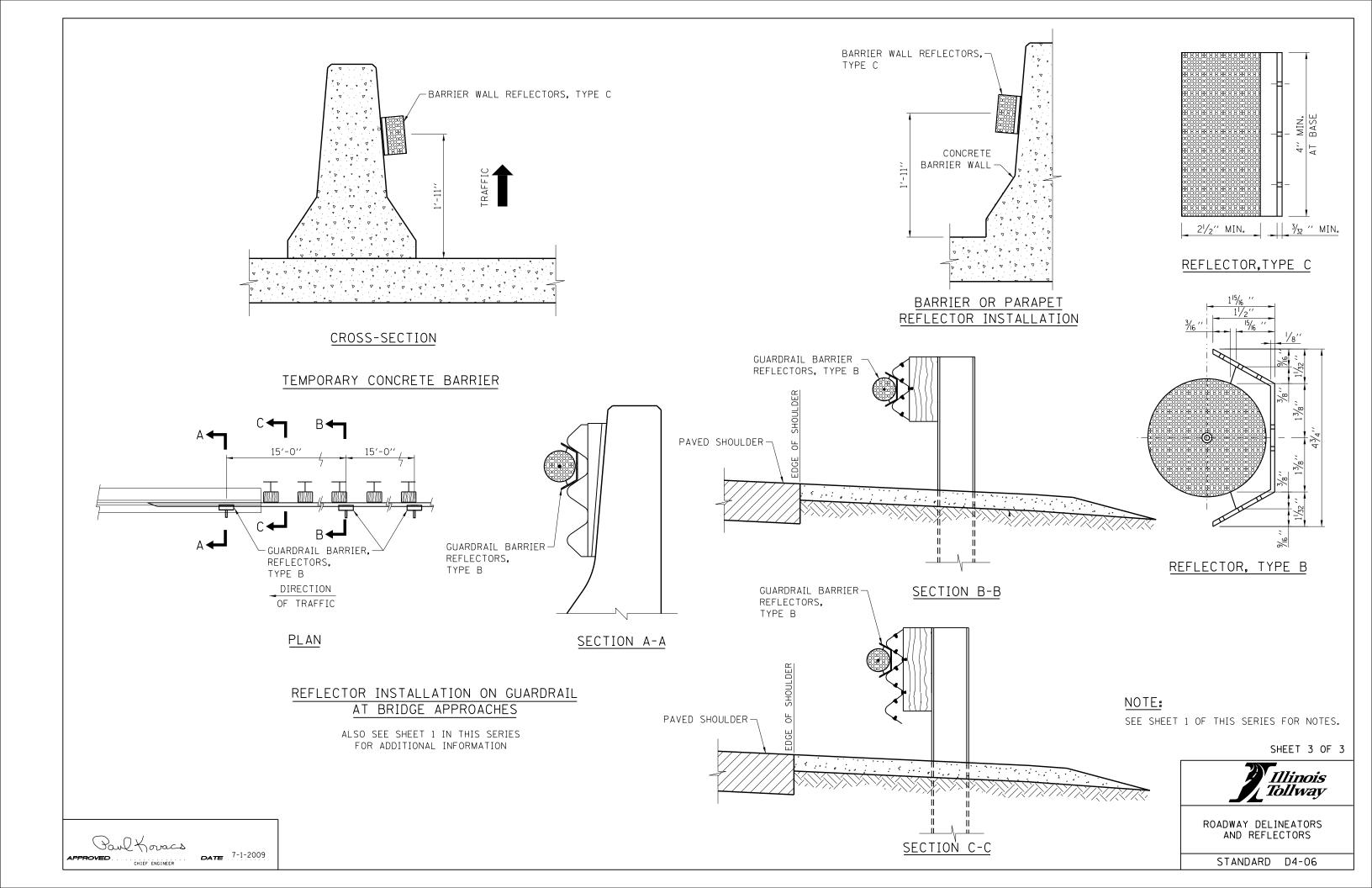
STANDARD D4-06

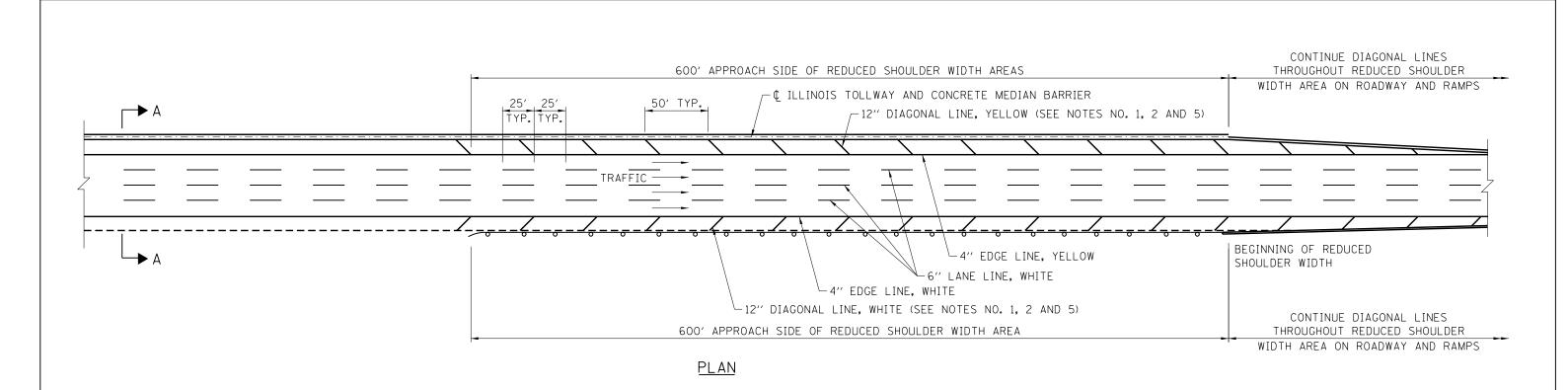


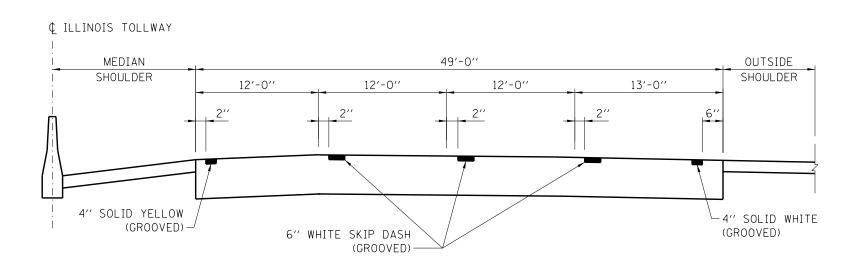
POST MOUNTED DELINEATOR

(RAMP TAPERS AND TANGENTS)









SECTION A-A ROADWAY AND SHOULDER STRIPING - NEW CONSTRUCTION

GENERAL NOTES:

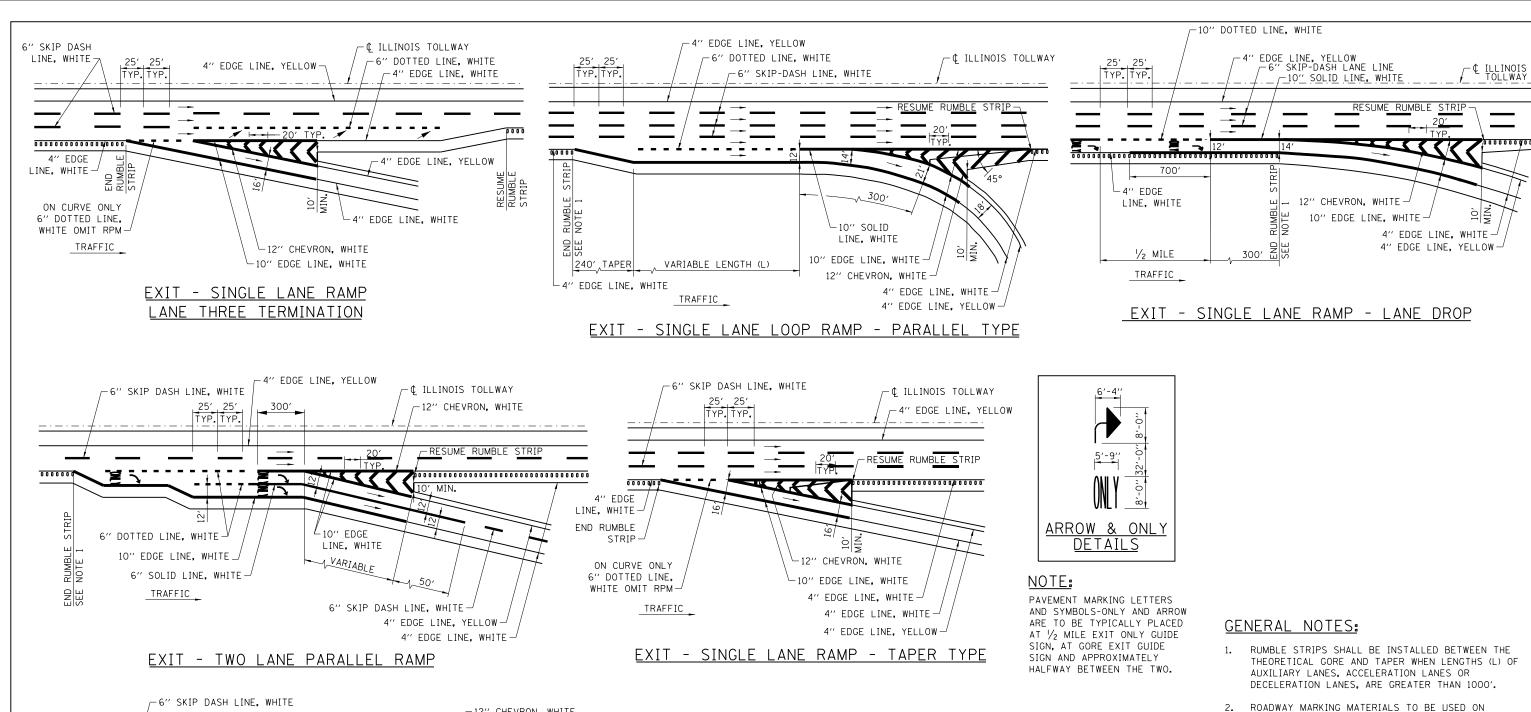
- 1. DIAGONAL SHOULDER STRIPING REQUIRED WHERE THE SHOULDER WIDTH IS LESS THAN STANDARD.
- 2. ROADWAY MARKING MATERIALS TO BE USED ON FINISHED CONCRETE SURFACE AND ASPHALT SURFACE SHALL BE AS SHOWN ON THE PLANS.
- 3. WHERE THE GUARDRAIL ENCROACHES ON THE SHOULDER THE DIAGONAL MARKINGS SHALL EXTEND AS CLOSE TO THE FACE OF THE RAIL AS POSSIBLE.
- 4. ALL PERMANENT LANE LINES AND EDGE LINES SHALL BE GROOVED, ON ROADWAY SURFACES, UNLESS OTHERWISE NOTED.
- 5. DIAGONAL STRIPING SHALL BE SURFACE APPLIED.
- 6. GORE STRIPING (CHEVRON) SHALL BE SURFACE APPLIED.
- 7. ALL LANE LINES AND EDGE LINES SHALL BE SURFACE APPLIED ON BRIDGES.
- 8. PAVEMENT MARKINGS SHALL NOT BE GROOVED AT THE CASH SIDE OF MAINLINE TOLL PLAZAS OR THE OPEN ROAD TOLLING (ORT), 100' CONTINUOUSLY REINFORCED CONCRETE (CRC) PAVEMENT SECTION OF MAINLINE UNDER MONOTUBES.

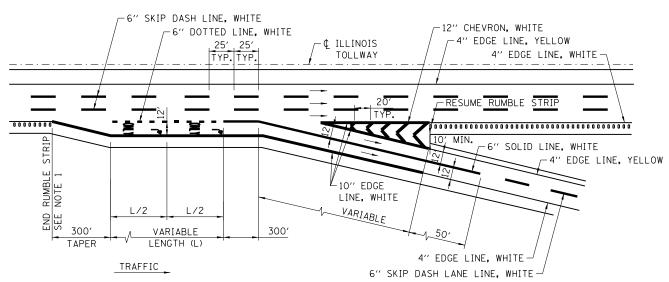
		Illinois Tollway
DATE	REVISIONS	
7-01-09	ADDED LINE GROOVING NOTES	PERMANENT PAVEMENT
2-07-12	REVISED NOTES	MARKINGS MARKINGS
11-01-12	REVISED EDGELINE OFFSET, REVISED NOTES	
3-31-14	REVISED NOTES	
3-31-16	REVISED NOTES	STANDARD D5-06
		31 ANDAND D3-06

POND KOVACS

CHIEF ENGINEER

DATE 7-1-2009





EXIT - TWO LANE RAMP

Paul Koracs

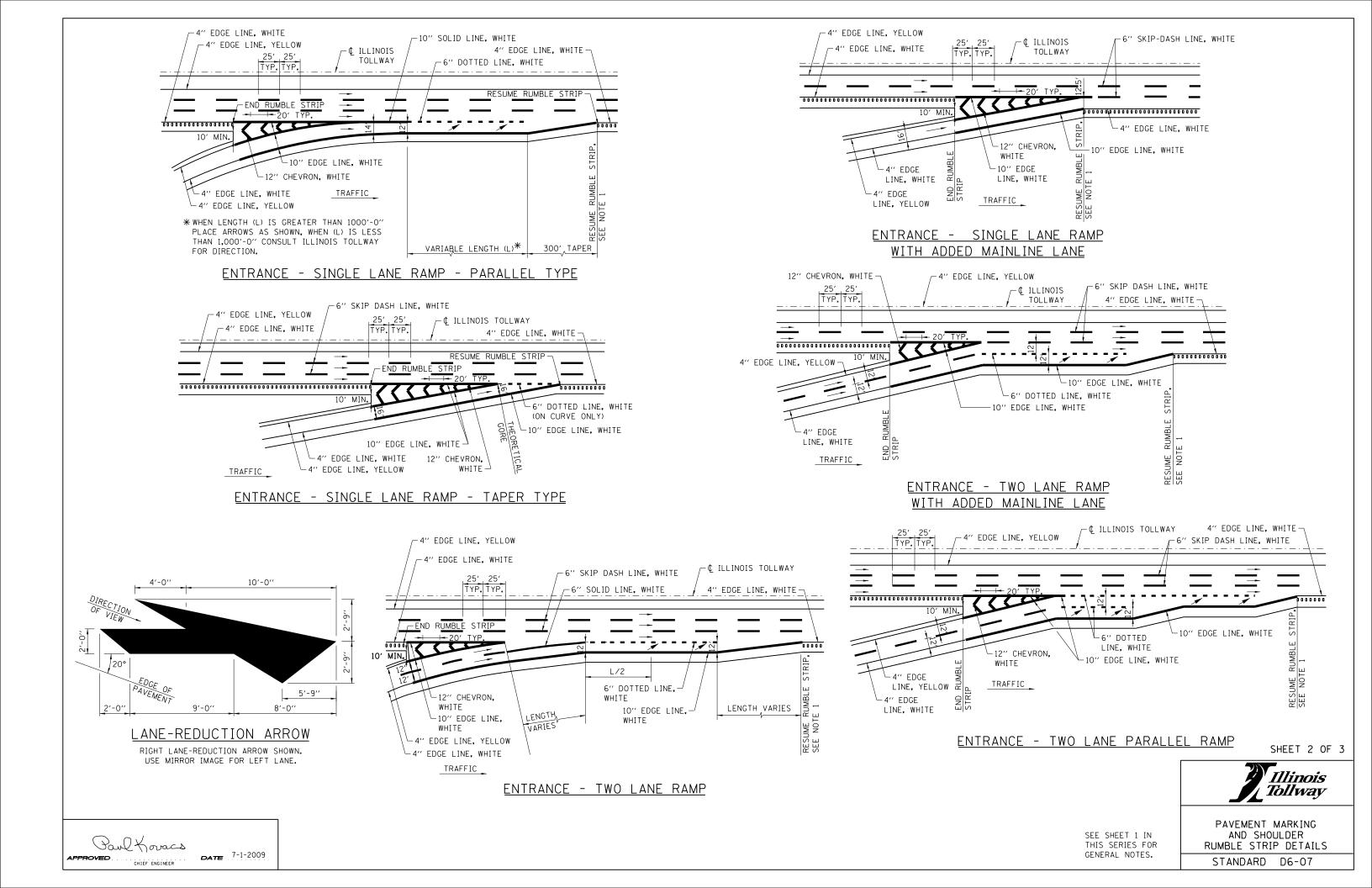
CHIEF ENGINEER

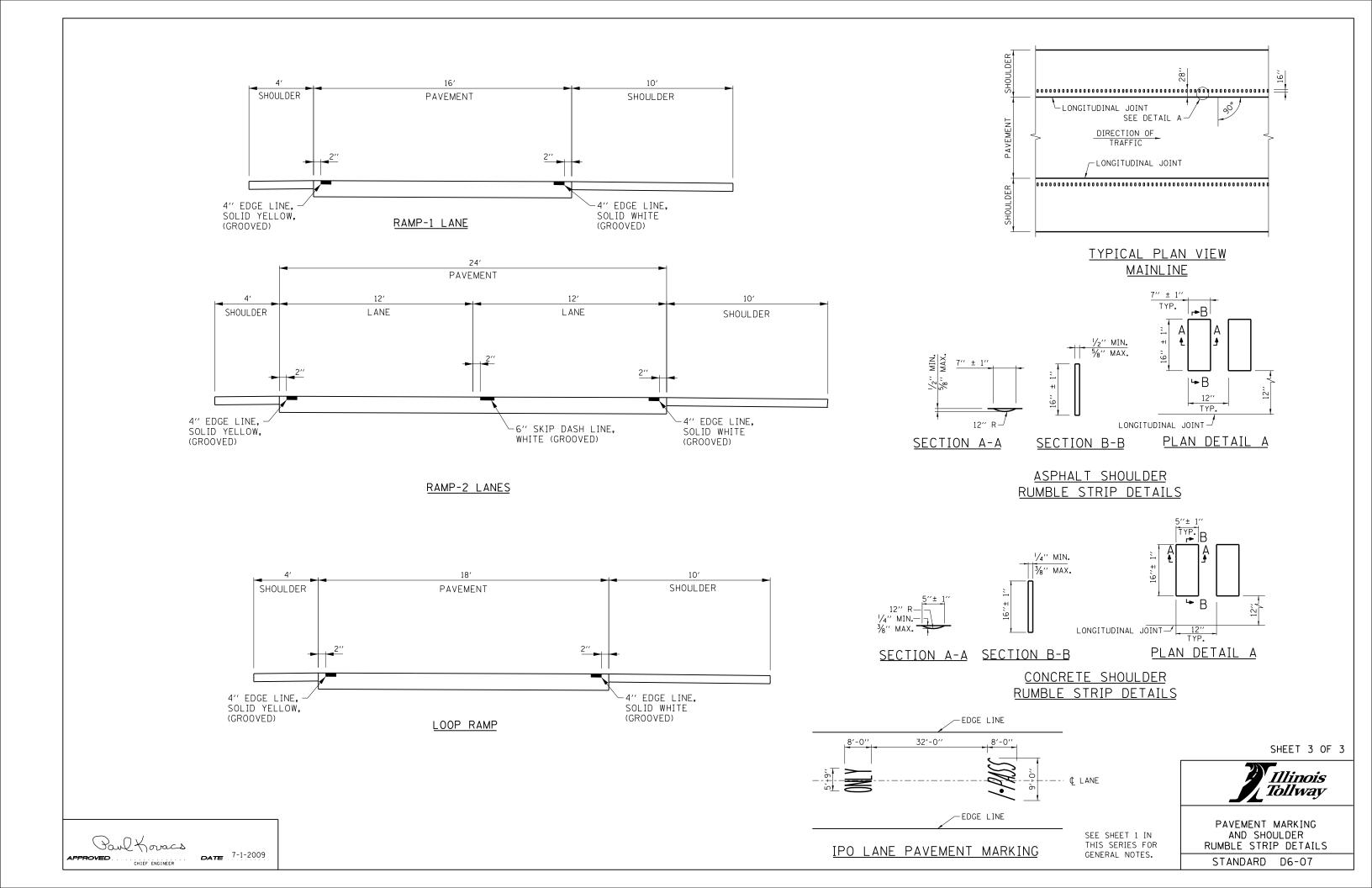
DATE 7-1-2009

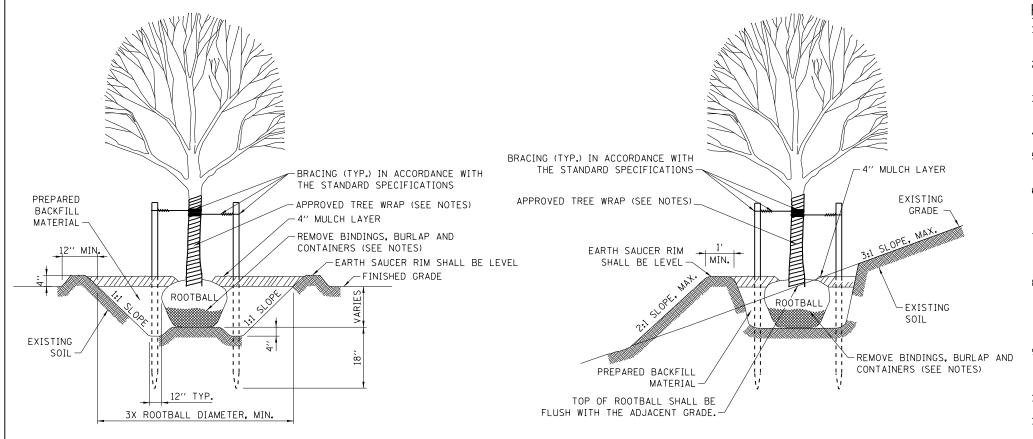
- THEORETICAL GORE AND TAPER WHEN LENGTHS (L) OF
- FINISHED CONCRETE SURFACE AND ASPHALT SURFACE SHALL BE AS SHOWN ON THE PLANS.
- 3. ALL LANE LINES AND EDGE LINES SHALL BE GROOVED.
- GORE STRIPING (CHEVRON) SHALL BE SURFACE APPLIED.
- LETTERS AND SYMBOL MARKING SHALL BE SURFACE APPLIED.
- 6. DOTTED LINES SHALL CONSIST OF 3' LINE AND 9' GAPS.

SHEET 1 OF 3

DATE	REVISIONS	Illinois Tollway
11-01-12	REVISED NOTES AND ADDED DOTTED LINE	
03-01-13	REVISED SINGLE LANE LOOP RAMP DETAILS	DAVENENT MARKING
03-31-14	ADDED LANE REDUCTION MARKINGS	PAVEMENT MARKING
3-11-2015	REVISED DETAILS, ADDED LANE-REDUCTION	AND SHOULDER
	ARROWS AND SHEET 3	RUMBLE STRIP DETAILS
3-31-2016	REVISED NOTES, ADDED IPO PAVEMENT MARKING	RUMBLE STRIP DETAILS
	DETAIL.	STANDARD D6-07
3-31-2017	REVISED NOTES	3 TANDARD D6-01







-4" MULCH LAYER

SHALL BE LEVEL

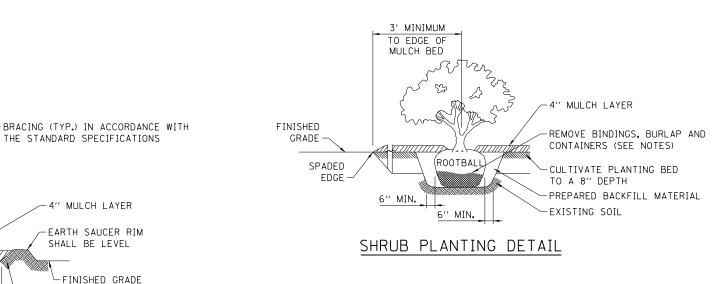
-REMOVE BINDINGS, BURLAP AND CONTAINERS (SEE NOTES)

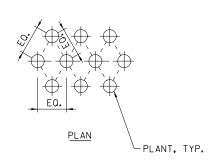
-EXISTING SOIL

MATERIAL

-PREPARED BACKFILL

STEEP SLOPE PLANTING DETAIL





SHRUB AND GROUNDCOVER SPACING DETAIL

PLANTING NOTES:

- MARK THE LOCATIONS OF ALL UNDERGROUND UTILITIES BEFORE BEGINNING WORK. REPORT ANY CONFLICTS TO THE ENGINEER IMMEDIATELY FOR RESOLUTION.
- PLANTING PLANS ARE DIAGRAMMATIC. PLANT LOCATIONS SHALL BE ADJUSTED IN THE FIELD, AS DIRECTED BY THE ENGINEER. TO AVOID CONFLICTS.
- TREE LOCATIONS SHALL NOT BE MOVED CLOSER TO PAVEMENT EDGES THAN SHOWN ON THE PLANS OR A MINIMUM OF FIFTY (50) FEET.
- TREE AND SHRUB PLANTINGS SHALL NOT BLOCK ACCESS TO GATES IN FENCES.
- TREES PLANTED IN TURF AREAS SHALL BE TEN (10) FEET MINIMUM CLEAR FROM THE EDGE OF PLANTING BEDS.
- TREES SHALL BE TEN (10) FEET MINIMUM CLEAR FROM FENCES, WALLS, BRIDGES AND OTHER STRUCTURES. THIS DISTANCE SHALL BE INCREASED, PER THE PROJECTED MATURE TREE CANOPY SIZE. TO PREVENT OVERHANGING LIMBS ON HIGHWAYS AND BRIDGES.
- 7. DITCHES SHALL BE KEPT CLEAR OF TREE AND SHRUB PLANTING. THE VERTICAL CLEAR DISTANCE BETWEEN DITCH BOTTOMS, PLANTINGS, AND PLANTING BEDS SHALL BE THREE (3) FEET MINIMUM TO MAINTAIN THE ROOTBALL ELEVATIONS ABOVE THE DITCH BOTTOM.
- IF, DURING EXCAVATION, A PLANT HOLE OR PLANTING BED SHOWS POOR DRAINAGE, STANDING WATER, OR AN IMPERVIOUS STRATUM OF SOIL, THE CONTRACTOR SHALL CEASE EXCAVATION AND SHALL NOTIFY THE ENGINEER. THE PLANT(S) SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER AND THE HOLE(S) OR BED SHALL BE FILLED IN AND RESTORED TO MATCH THE CONDITION AND VEGETATION OF THE ADJACENT AREA.
- PRUNING SHALL ONLY BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS. IMPROPERLY PRUNED PLANTS WILL BE REJECTED AND SHALL BE REPLACED BY THE
- 10. SCARIFY THE SIDES OF PLANTING PITS, PRIOR TO BACKFILLING, TO LOOSEN SOIL.
- 11. TREE WRAPPING, WHEN SPECIFIED, SHALL EXTEND TO THE LOWEST MAJOR BRANCH.
- 12. TOP OF ROOTBALL SHALL BE APPROXIMATELY TWO (2) INCHES ABOVE ADJACENT FINISHED GRADE. REMOVE DEBRIS FROM AROUND ROOT COLLAR.
- 13. SHRUB PLANTINGS: UNLESS NOTED OTHERWISE, ALL SHRUBS SHALL BE PLANTED IN MULCHED BEDS. THE EDGE OF THE MULCH BED SHALL EXTEND A MINIMUM OF THREE (3) FEET BEYOND THE CENTERS OF THE PERIPHERAL PLANTS IN THE BED. THE EDGE OF A MULCH BED FOR SHRUB PLANTINGS ADJACENT TO A WALL, FENCE, GUARDRAIL OR OTHER FIXED OBJECT SHALL EXTEND TO THE OBJECT. THE PERIPHERAL PLANTS IN THE BED SHALL BE PLANTED FIVE (5) FEET CLEAR OF THE OBJECT. WHEN A TREE IS LOCATED IN A SHRUB BED, THE MINIMUM DISTANCE BETWEEN THE TREE AND THE ADJACENT SHRUBS SHALL BE SIX (6) FEET.
- 14. THE CONTRACTOR SHALL RESTORE ALL AREAS, OBJECTS, AND VEGETATION DISTURBED BY THE LANDSCAPE OPERATIONS TO ORIGINAL CONDITIONS.
- 15. ALL TREE SUPPORTS INCLUDING STAKES AND GUY WIRES SHALL BE REMOVED AFTER ONE YEAR OR AS DIRECTED BY THE ENGINEER.
- 16. REMOVE ALL BINDING MATERIALS, CONTAINERS AND MARKING TAPES FROM PLANTINGS PRIOR TO BACKFILLING. REMOVE BURLAP, TWINE AND WIRE BASKETS FROM THE TOP HALF OF ROOT BALLS. THE LOWER HALF OF BURLAP SHALL BE FOLDED TOWARD THE BOTTOM OF THE ROOT
- 17. PLANTINGS SHALL BE INSTALLED PLUMB AND WITH THE BEST SIDE FACING THE PRIMARY VIEWING DIRECTION.
- 18. PLANTS SHALL COMPLY WITH CURRENT STANDARDS ADOPTED BY ANLA AND WITH ANSI Z60.1, LATEST EDITION.
- 19. TO AVOID AIR POCKETS FROM FORMING WHEN BACKFILLING PLANTING PITS, FILL PIT HALF FULL OF SOIL AND LIGHTLY TAMP, WATER THOROUGHLY, AND THEN ADD THE REMAINING SOIL AND THEN WATER FURTHER UNTIL NO MORE WATER IS ABSORBED.

	Illinois Tollway
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DATE REVISIONS LANDSCAPE PLANTING SED POST BRACING DETAIL REVISED MULCH LAYER THICKNESS DETAILS AND PLANTING NOTES 3-01-2018 REVISED ALL DETAILS AND NOTES. STANDARD D7-03



ROOTBALL

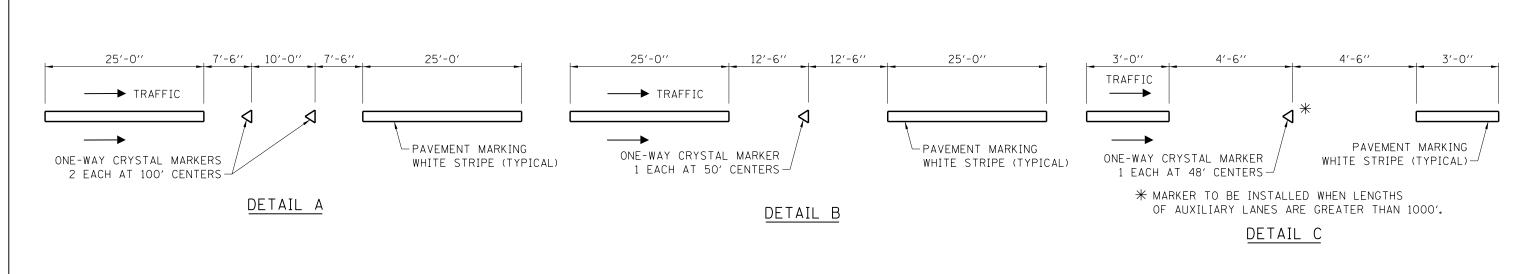
3X ROOTBALL DIAMETER, MIN.

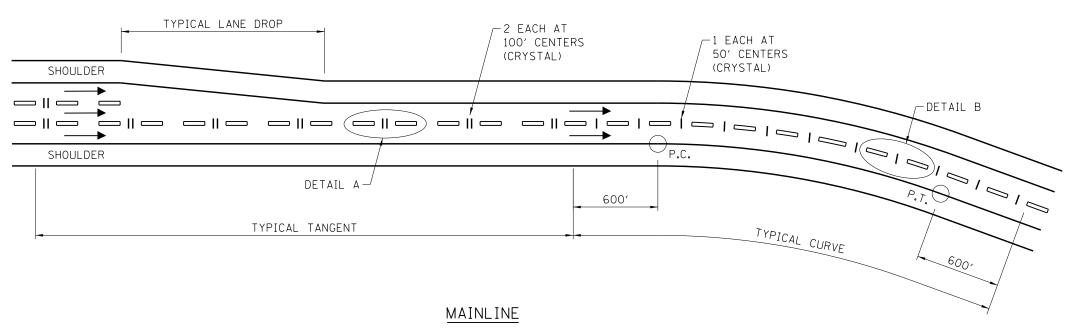
EVERGREEN TREE PLANTING DETAIL

DECIDUOUS TREE PLANTING DETAIL

CHIEF ENGINEERING OFFICER 2-7-2012

12" MIN.





RAISED PAVEMENT LANE MARKER DETAILS

NOTES:

- 1. FOR COLLECTOR-DISTRIBUTOR (C-D) ROADWAYS, PLACE ONE-WAY CRYSTAL MARKER, 2 EACH AT 100' CENTERS. USE DETAIL A.
- 2. FOR MULTI LANE DIRECTIONAL RAMPS, PLACE ONE-WAY CRYSTAL MARKER, 1 EACH AT 50' CENTERS. USE DETAIL B.
- 3. FOR AUXILIARY LANES, PLACE ONE-WAY CRYSTAL MARKER, 1 EACH AT 48' CENTERS. USE DETAIL C.

Illinois Tollway
RAISED PAVEMENT
LANE MARKER

STANDARD D8-02

DATE

1-01-2012 REVISED DETAIL C. 3-31-2016 REVISED NOTES 1.

REVISIONS

POVED CHIEF ENGINEER DATE 7-1-2009