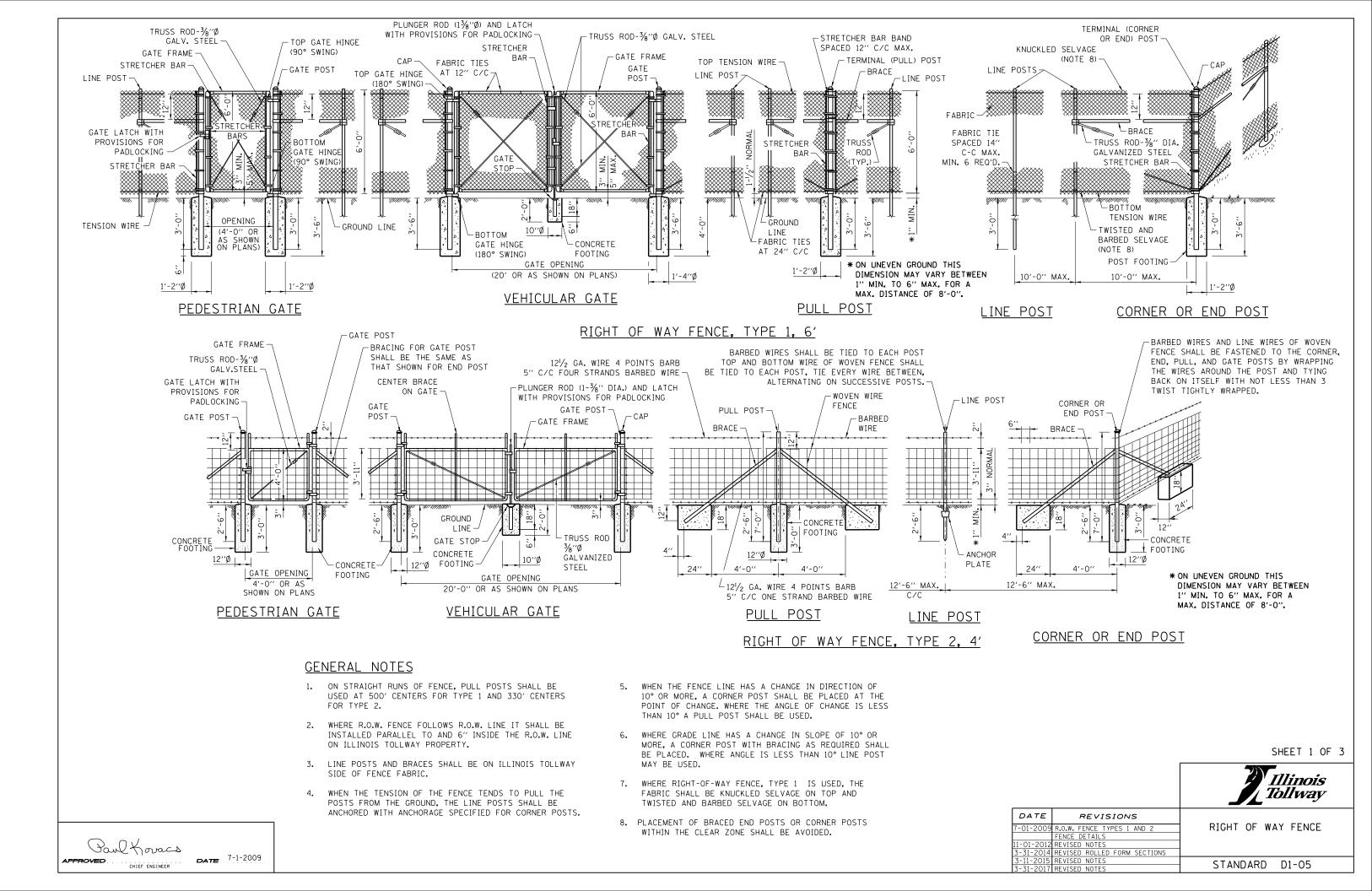
## Illinois Tollway Standard Drawing Revisions

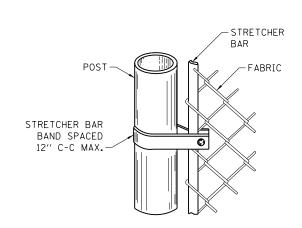
Section D	Roadway App	Nurtonancos
Section D	Standard	Modification Summary Effective: 3/1/2019
	Stanuaru	Modification Summary Effective. 3/1/2019
	<b>D</b> 0	
	D3	PERMANENT SURVEY MONUMENTS AND RIGHT-OF-WAY MARKERS
	Sheet 1	Changed to constant-slope median barrier for centerline monument
	D4	ROADWAY DELINEATORS AND REFLECTORS
	Sheet 1 & 2	No changes
	Sheet 3	Modified Section A-A and Barrier or Parapet Reflector Installation section to show constant-slope barrier.
	D6	PAVEMENT MARKING AND SHOULDER RUMBLE STRIP DETAILS
	Sheet 1	Added Single Exit Lane with Aux Lane - Taper Type Detail
	Sheet 2	Changed dimension of ramp width to match RDC on Single Lane Entrance - Parallel Type
	Sheet 3	No changes
	D7	LANDSCAPE PLANTING DETAILS
	Sheet 1	Revised most Planting Notes. Added Notes 2, 21 & 22. Revised Deciduous, Steep Slope and Shrub Planting Details.
	D8	RAISED PAVEMENT LANE MARKER
	Sheet 1	new Note

New Sheet

Re

Retired Standard





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

LINE POST

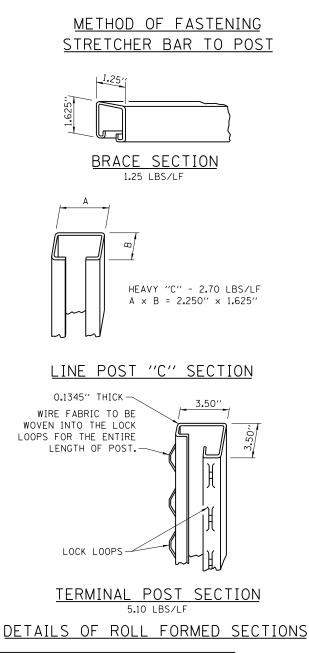
8" TO 10"

5%″ MIN. Ø COPPER CLAD

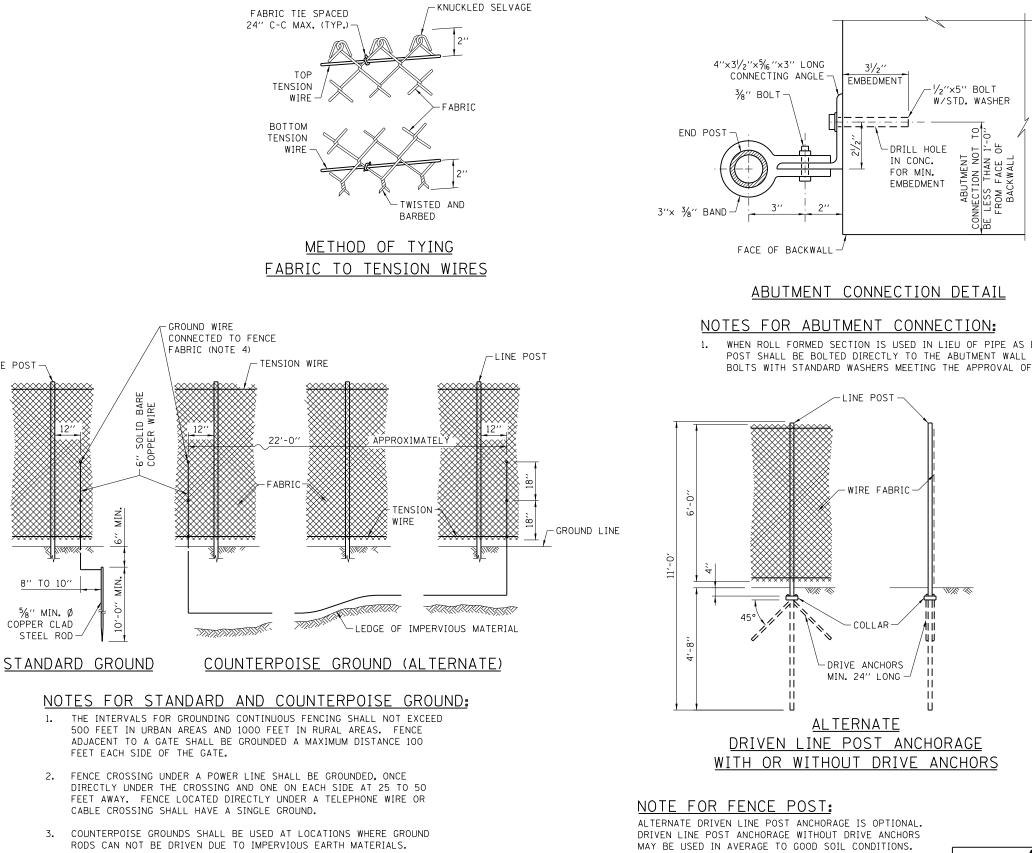
STEEL ROD-

1.

3.







THE GROUND WIRES SHALL BE CONNECTED TO FENCE FABRIC AND GROUND 4. 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

WHEN SOIL IS WEAKER (Qu < 1.25 TONS/ SQ. 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.

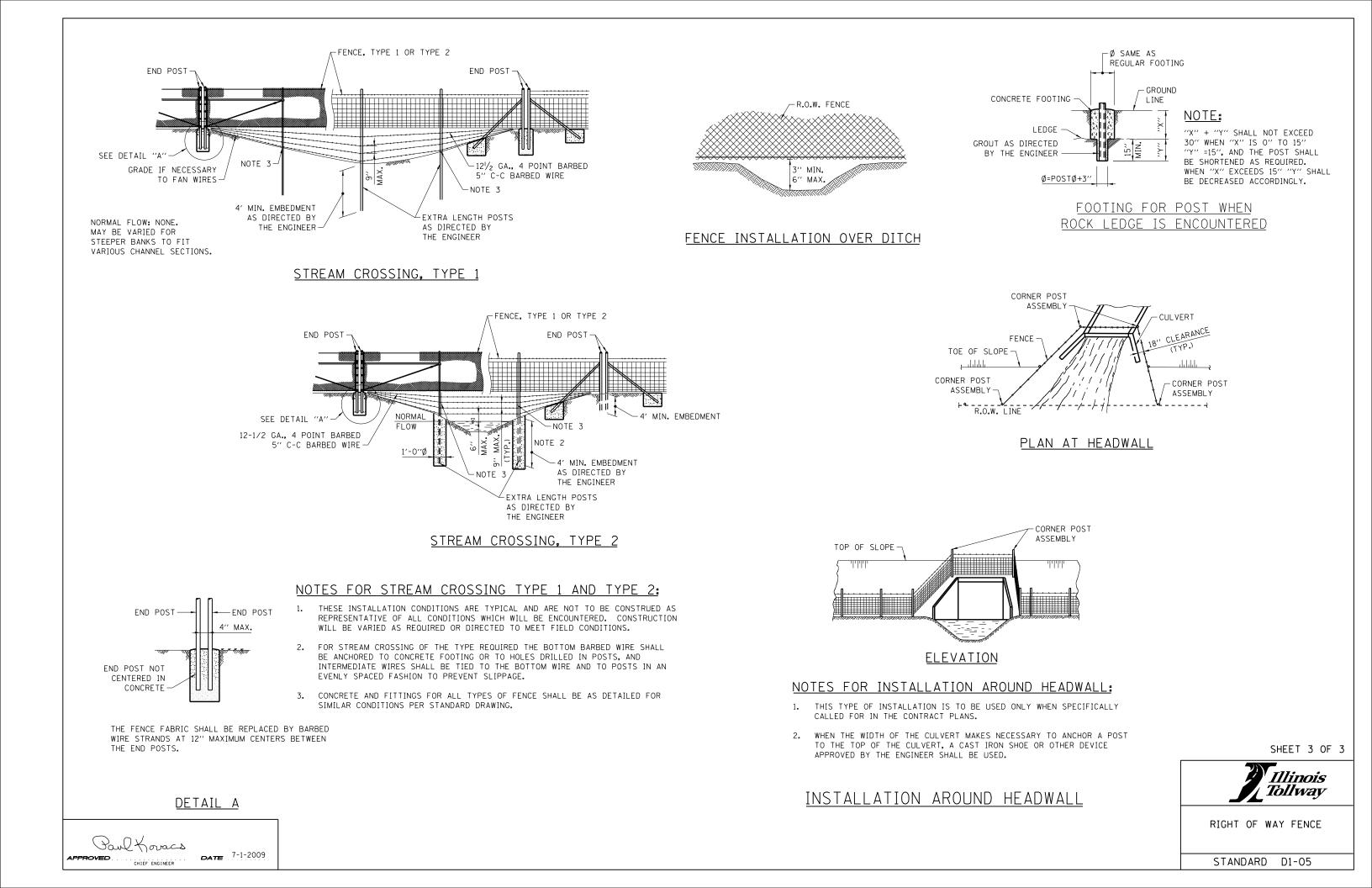
WHEN ROLL FORMED SECTION IS USED IN LIEU OF PIPE AS END POST, THE POST SHALL BE BOLTED DIRECTLY TO THE ABUTMENT WALL WITH  $2^{1}/_{2}$ " x 5" BOLTS WITH STANDARD WASHERS MEETING THE APPROVAL OF THE ENGINEER.

SHEET 2 OF 3

Illinois Tollway

RIGHT OF WAY FENCE

STANDARD D1-05



CLEARNO & GACANO LIMITS CONSTRUCTION JOINT #/2004EL BARS. CONSTRUCTION JOINT #/2004EL BARS. CONSTRUCTION JOINT #/2004EL BARS. CATILEVER SIDA STRUCTURE CONSTRUCTION FOR TRUCTURE CONSTRUCTION FOR TRUCTURE		<u>EXISTING</u>	PROPOSED		EXISTING	PROPOSED	
Image: State	=	+	_ <del></del>	CONSTRUCTION JOINT W/DOWEL BARS			
Image: Intervent sites and sector a		$\boxtimes$	$\boxtimes$	BENCHMARK			DIVERSION DIKE
Import       Import       COURSE COLUMN CROWNER MOUNTED SIGN       Import       Server trade could with count mounted sign       Import		0	0	CANTILEVER SIGN STRUCTURE	~~~~	<b>→→</b>	DRAINAGE PATH
IT TO DECIDE COLUME				BUTTERFLY SIGN STRUCTURE			
BODECTION-STORE     BODECTION-STORECTION-STORE     BODECTION-STORE     BODECTION-STORE     BODECTION-				DOUBLE COLUMN GROUND MOUNTED SIGN			
Image: And Dutling in the sign should be an intervention of the sign of				SINGLE COLUMN GROUND MOUNTED SIGN			
CETT     CETT     CETT     FILLER       UIDICIU     IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				SPAN TYPE SIGN STRUCTURE		$\bigotimes$	
D000000000000000000000000000000000000		$[0 \ 0 \ 0]$		TRIPLE COLUMN GROUND MOUNTED SIGN		DB	DEWATERING BASIN
DRAINAGE AND UTILITY ITEMS: ROADWAY LIGHTING AND SIGNS       Image: the table of ta				RUMBLE STRIP			FILTER FABRIC INLET PROTECTION, BASKET TYPE
EXISTING       PROPOSED       -FB       FLOTATION BOOM         Image: Construction of the Academic of the	DRAINAGE	AND UTILITY	ITEMS: ROADW	AY LIGHTING AND SIGNS			
Image: Construction item         Image: Co						— FB —— FB —	FLOTATION BOOM
CABLE IN DUCT W/O GROUND     Image: Cable in Duct w/o GROUND       CABLE IN DUCT W/O GROUND     Image: Cable in Duct w/o GROUND       Image: Cable in Duct w/o GROUND     Image: Cable in Duct w/o GROUND       Image: Cable in Duct w/o GROUND     Image: Cable in Duct w/o GROUND       Image: Cable in Duct w/o GROUND     Image: Cable in Duct w/o GROUND       Image: Cable in Duct w/o GROUND     Image: Cable in Duct w/o GROUND       Image: Cable in Duct w/o GROUND     Image: Cable in Duct w/o GROUND       Image: Cable in Duct w/o GROUND     Image: Cable in Duct w/o GROUND       Image: Cable in Duct w/o GROUND     Image: Cable in Duct w/o GROUND       Image: Cable in Conduit TaG     Image: Cable in Conduit TaG       Image: Cable in Conduit TaG     Image: Cable in Conduit TaG       Image: Cable in Conduit TaG     Image: Cable in Conduit TaG       Image: Cable in Conduit TaG     Image: Cable in Conduit TaG       Image: Cable in Conduit TaG     Image: Cable in Conduit TaG       Image: Cable in Conduit TaG     Image: Cable in Conduit TaG       Image: Cable in Conduit TaG     Image: Cable in Conduit TaG       Image: Cable in Conduit TaG     Image: Cable in Conduit TaG       Image: Cable in Conduit TaG     Image: Cable in Conduit TaG       Image: Cable in Conduit TaG     Image: Cable in Conduit TaG       Image: Cable in Conduit TaG     Image: Cable in Conduit TaG       Image: Cable in Conduit TaG <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>INITIAL CONSTRUCTION ITEM</td>							INITIAL CONSTRUCTION ITEM
Image: Construction of the construc	_						
Image: Construction of the constru		_\_ <b>&gt;</b>   <b>-</b> \	_\_ <del>= =</del> \	LOW POINT		+	TEMPORARY ROCK CHECK DAM
Pipe cultures       Pipe cultures       Pipe cultures       Duarry       Duarry       Stream       SWAMP       Cable or conduit tag       SWAMP       Cable or conduit tag       Stream       Stream       SWAMP       Cable or conduit tag       Stream       Stream <td>-</td> <td>P</td> <td></td> <td>OVERHEAD ELECTRICAL</td> <td></td> <td></td> <td></td>	-	P		OVERHEAD ELECTRICAL			
LAKE OR POND       OUARRY       SEDIMENT BASIN         STREAM       STREAM       SILT FENCE         SWAMP       SILT FENCE       STREAM         CABLE OR CONDULT TAG       STABILIZED CONSTRUCTION ENTR         Image: Comparing the stabilized construction entre       STABILIZED CONSTRUCTION ENTR         Image: Comparing the stabilized construction entre       STORE OUTLET STRUCTURE         Image: Comparing the stabilized construction entre       STORE OUTLET STRUCTURE         Image: Comparing the stabilized construction entre       STORE OUTLET STRUCTURE         Image: Comparing the stabilized construction entre       STORE OUTLET STRUCTURE         Image: Comparing the stabilized construction entre       STORE OUTLET STRUCTURE         Image: Comparing the stabilized construction entre       STORE OUTLET STRUCTURE         Image: Comparing the stabilized construction entre       STORE OUTLET STRUCTURE         Image: Comparing the stabilized construction entre       STORE OUTLET STRUCTURE         Image: Comparing the stabilized construction entre       STORE OUTLET STRUCTURE         Image: Comparing the stabilized construction entre       STORE OUTLET STRUCTURE         Image: Comparing the stabilized construction entre       STORE OUTLET STRUCTURE         Image: Comparing the stabilized construction entre       STORE OUTLET STRUCTURE         Image: Comparing the stabilized con	-						TEMPORARY DITCH CHECK
Image: Construction of the construc	-						
STREAM     STREAM     SEDIMENT BASIN       SWAMP     SILT FENCE       A     CABLE OR CONDUIT TAG       CABLE OR CONDUIT TAG     STABILIZED CONSTRUCTION ENTR       CD     LD     LIGHT-DUTY BOX       CD     LD     LIGHT-DUTY BOX       CO     ROADWAY LUMINAIRE     STREAM DIVERSION       STREAM     STREAM DIVERSION       STREAM     STREAM DIVERSION       TEMPORARY PIPE SLOPE DRAIN     TEMPORARY PIPE SLOPE DRAIN       TEMPORARY STREAM DIVERSION     TEMPORARY STREAM DIVERSION       TEMPORARY STREAM DIVERSION     TEMPORARY STREAM CROSSING       CO     WATER POINT       W     WATER MAIN VALVE VAULT       W     WATER WELL							
A       CABLE OR CONDUIT TAG       SSF-       SUPER SILT FENCE         E       ELECTRICAL MANHOLE       Image: Stabilized construction entrest structure         CLD       LD       LIGHT-DUTY BOX       STONE OUTLET STRUCTURE         A       A       Steel Tower       Stream Diversion         Image: Stream Diversion       Stream Diversion       Stream Diversion         Image: Stream Diversion       Stream Crossing       Image: Stream Crossing         Image: Stream Version       Image: Stream Crossing       Image: Stream Crossing         Image: Stream Version       Image							SEDIMENT BASIN
Image: State Production of the		* * * * * * *	$\frown$	SWAMP		<del></del>	SILT FENCE
Image: Description of the second s		<b>5 -</b> 1		CABLE OR CONDUIT TAG		SSF-	SUPER SILT FENCE
SEDIMENT TRAP   STREAM DIVERSION   STREAM DIVERSION   TEMPORARY PIPE SLOPE DRAIN   TEMPORARY RIPRAP   TEMPORARY RIPRAP   TEMPORARY SWALE   TEMPORARY SWALE   Image: Stream diversion   Image: Stream dive		ιEj	E	ELECTRICAL MANHOLE			STABILIZED CONSTRUCTION ENTRA
Image: Construction       Image: Construction<		[]LD	LD	LIGHT-DUTY BOX			
Image: Constraint of the second o		$\sim \sim \times$	•	ROADWAY LUMINAIRE			
Image:			$\bowtie$	STEEL TOWER			TEMPORARY RIPRAP
Image: Constraint of the point     Image: Constraint of the point     Image: Constraint of the point       Image: Constraint of the point     Image: Constraint of the point     Image: Constraint of the point       Image: Constraint of the point     Image: Constraint of the point     Image: Constraint of the point       Image: Constraint of the point     Image: Constraint of the point     Image: Constraint of the point       Image: Constraint of the point     Image: Constraint of the point     Image: Constraint of the point       Image: Constraint of the point of		ĒĒ	T	TELEPHONE MANHOLE	$\frown$	- <del>/~</del> TS-/ <del>~</del>	
WATER POINT     WATERMAIN VALVE VAULT       W     WATERMAIN VALVE VAULT       W     WATER WELL				UNDERPASS LUMINAIRE	$(\mathbf{C})$	,TR,	
W     WATER WELL			_	WATER POINT		$\bigcirc$	TREE PROTECTION
			W	WATERMAIN VALVE VAULT			TEMPORARY STREAM CROSSING
WOOD POLE		$\bigcirc$ <sup>w</sup>	•"	WATER WELL			
		$\otimes$	•	WOOD POLE			

# CAPING ITEMS

# <u>EXISTING</u>



















OVER SEEDING CLASS B1 OVER SEEDING CLASS B2 SEEDING CLASS A1

EROSION CONTROL BLANKET

SEEDING CLASS A2

SEEDING CLASS A3

SEEDING CLASS A4

SEEDING CLASS A5

SEEDING CLASS A6

SEEDING CLASS D1

SODDING (SALT TOLERANT)

TEMPORARY GROUND COVER

TURF REINFORCEMENT MAT

SHEET 1 OF 3



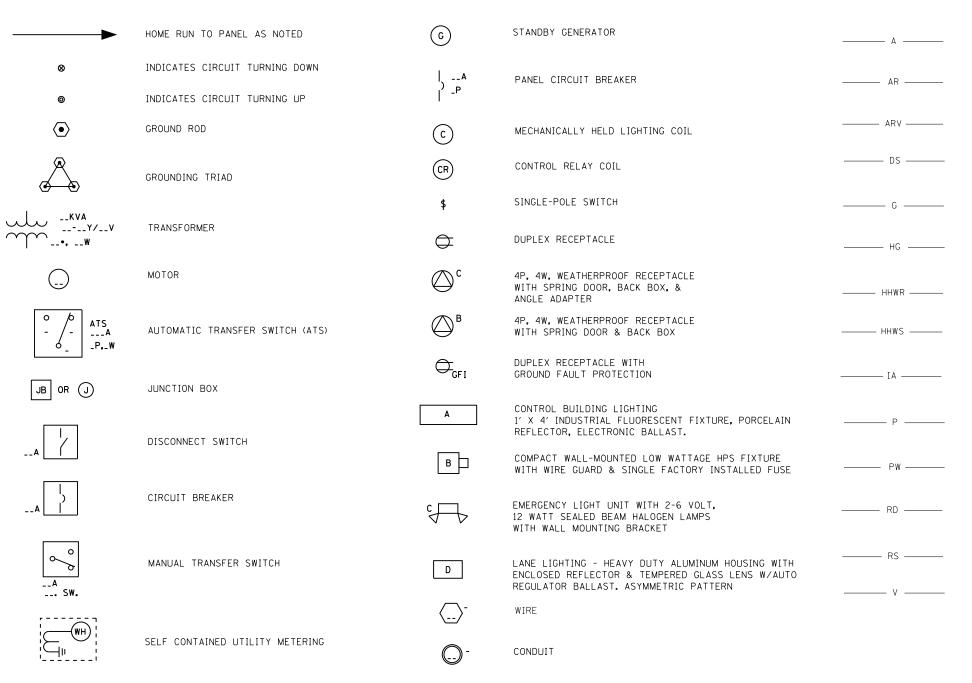
SYMBOLS AND PATTERNS

DATE	REVISIONS
7-01-2009	REVISED SYMBOL & PATTERNS
11-01-2012	ADDED NEW SYMBOLS
	ADDED NEW SYMBOL
3-31-2016	UPDATED DITCH CHECK SYMBOL

STANDARD D2-04

### ELECTRICAL AND MECHANICAL ITEMS

### <u>EXISTING</u>







## <u>PROPOSED</u>

A	COMPRESSED AIR (A)
AR	ACID RESISTANT WASTE OR DRAIN
ARV	ACID RESISTANT VENT
DS	STORM SEWER (DOWNSPOUT)
C	GAS LINE
——— нс ———	HOT GAS BYPASS LINE (HG)
——— ннwR ———	HEATING HOT WATER RETURN (HHWR)
———— HHWS ————	HEATING HOT WATER SUPPLY (HHWS)
IA	DRY COMPRESSED AIR (IA-INSTRUMENT AIR)
P	PROCESS WATER ("P" WATER) LINE
PW	PROTECTED WATER OR PLANT WATER (PW)
RD	REFRIGERANT DISCHARGE LINE (RD)
RS	REFRIGERANT SUCTION LINE (RS)
v	VENT LINE (V)

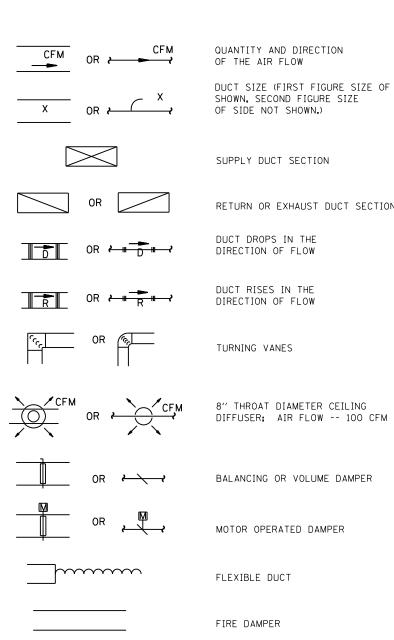
SHEET 2 OF 3

Illinois | Tollway

SYMBOLS AND PATTERNS

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

STANDARD D2-04









Paul Koracs

APPROVED CHIEF ENGINEER DATE 7-1-2009

RETURN OR EXHAUST DUCT SECTION

8" THROAT DIAMETER CEILING DIFFUSER; AIR FLOW -- 100 CFM

BALANCING OR VOLUME DAMPER

MOTOR OPERATED DAMPER

SOUND ATTENUATOR

ZONE DAMPER

FLEXIBLE CONNECTION AT FAN OR EQUIPMENT

EXTRACTOR

ELECTRICAL AND MECHANICAL ITEMS

<u> </u>	DR K T	SPLITTER DAMPER
	B	PLUG VALVE WITH MEMORY STOP (BALANCING)
	DR1	PLUG VALVE
	R	SOLENOID VALVE
	函	TEMPERATURE CONTROL VALVE
	密	THREE-WAY TEMPERATURE CONTROL VALVE DIAPHRAGM
		THREE-WAY TEMPERATURE CONTROL VALVE TOP VIEW
	<sup>∆</sup>	PRESSURE REDUCING VALVE (NOS = INITIAL AND FINAL PRESSURE - PSIG)
	PRV	AIR PRESSURE REDUCING STATION (NO. CORRESPONDS WITH AIR PRESSURE REDUCER SCHEDULE)
	₩ %	SAFETY VALVE (NOS. = PRESSURE SETTING - PSIG)
	Х <sub>ј</sub>	FLOAT OPERATED VALVE
	00 XH	QUICK COUPLING (QC)
		HORIZONTAL UNIT HEATER (NO. CORRESPONDS WITH UNIT HEATER SCHEDULE)
	X O UH X X	VERTICAL UNIT HEATER (NO. CORRESPONDS WITH UNIT HEATER SCHEDULE)
	UH ţ	CABINET TYPE UNIT HEATER (NO. CORRESPONDS WITH UNIT HEATER SCHEDULE)
	1	THERMOSTAT OR ROOM TEMPERATURE SENSOR
	$\bowtie$	GATE VALVE
	P	FLOW SWITCH
		VENTURI FLOW METER AND FLOW TO BE INDICATED
	守 <sup>СРМ</sup>	CONNECTION BETWEEN NEW AND EXISTING



	GLOBE VALVE
20	BUTTERFLY VALVE
Ζ	CHECK VALVE
∞ ∞	ANGLE GATE VALVE
	CONCENTRIC REDUCER
Δ	ECCENTRIC REDUCER
1 1	ORIFICE FLANGE
$\frown$	CROSSOVER
Ξ	PIPE GUIDE
E	EXPANSION JOINT (SLIP TYPE)
	EXPANSION JOINT (BELLOWS TYPE)
$\bigcirc$	AIR ELIMINATOR (AIR VENT)
C	PIPE CAP
÷	STRAIGHT CROSS
ъ	90° ELBOW
Ð	90° ELBOW TURNED DOWN
Ю	90° ELBOW TURNED UP
ŀҾ	SIDE OUTLET ELBOW TURNED DOWN
ŀQ	SIDE OUTLET ELBOW TURNED UP
5	LATERAL
Ϋ́	TEE
ю	TEE OUTLET UP
Ψ	TEE OUTLET DOWN
վե	UNION
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	STRAINER
X	PIPE ANCHOR
	THERMOMETER (NOS. = RANGE IN DEGREES FAHRENHEIT)
Ø X	PRESSURE, VACUUM OR COMPOUND GAUGE
	SHEET 3 OF 3

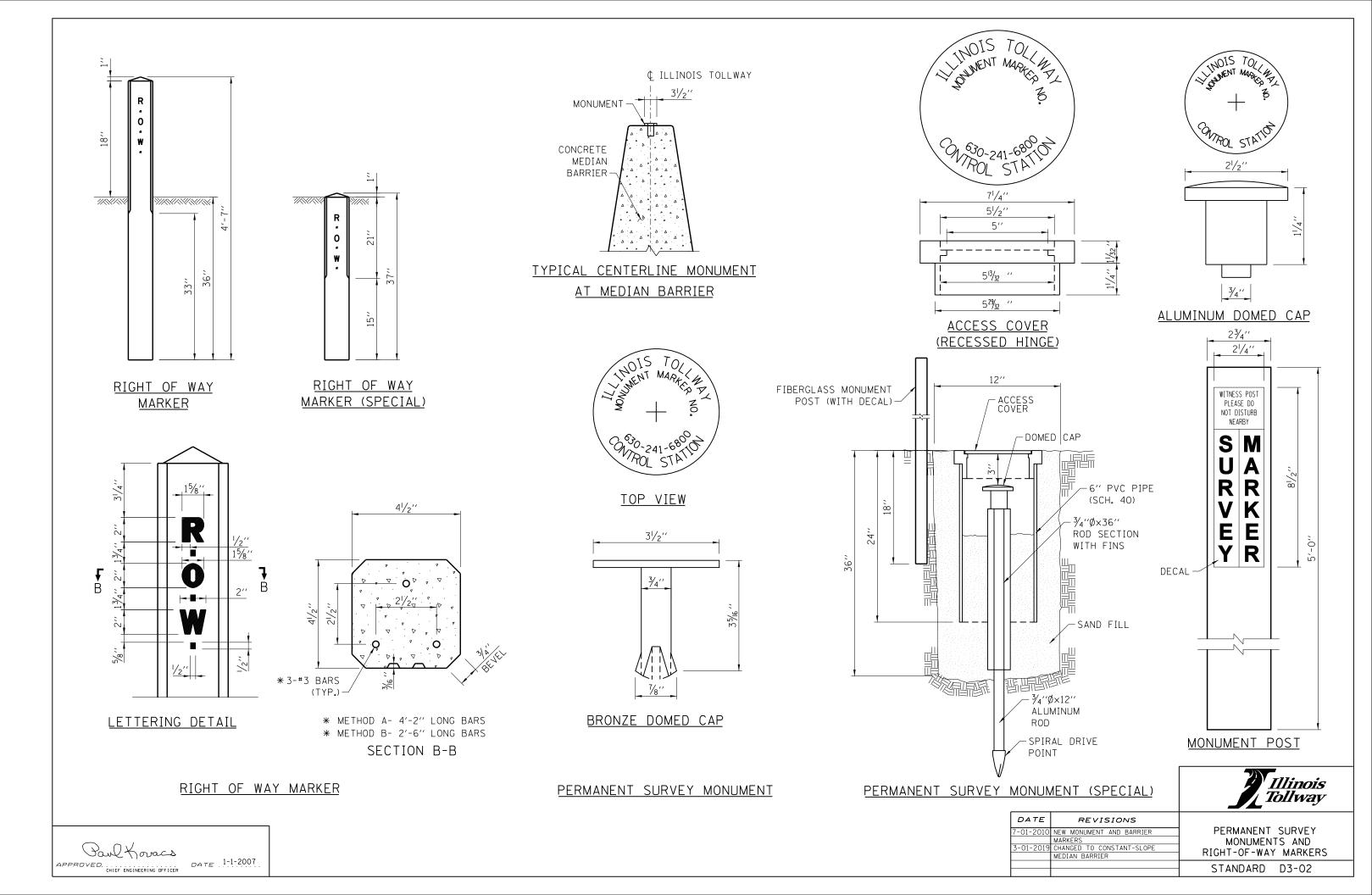
SHEET 3 OF 3

Illinois Tollway

SYMBOLS AND PATTERNS

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

STANDARD D2-04



		MAI	INLINE	RAMP	
	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 @ 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	MAII	NLINE	R.	AMP
		TANGENT	CURVE	TANGENT	CURVE
	POST MOUNTED DELINEATOR	200′	200′	200′	TABLE A
	POST MOUNTED DELINEATOR	100′	100′	NA	NA
	(RAMP TAPERS AND TANGENTS)				
		TEMPORARY DELINE	TATION SPACING		
		TEMPORARY DELINE	ATION SPACING	SHIFT	TAPER

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		

Paul Koracs APPROVED. CHIEF ENGINEERING OFFICER

### GENERAL NOTES:

TURNAROUNDS.

- UNIT OVER ONE AMBER REFLECTOR UNIT.

## NOTES FOR ROADWAY DELINEATORS. POST MOUNTED INSTALLATION:

- - OTHER SIDE APPEARS.

- THE SAME TYPE.

#### NOTES FOR GUARDRAIL AND BARRIER WALL REFLECTOR:

SIDE ONLY.



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

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

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

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.

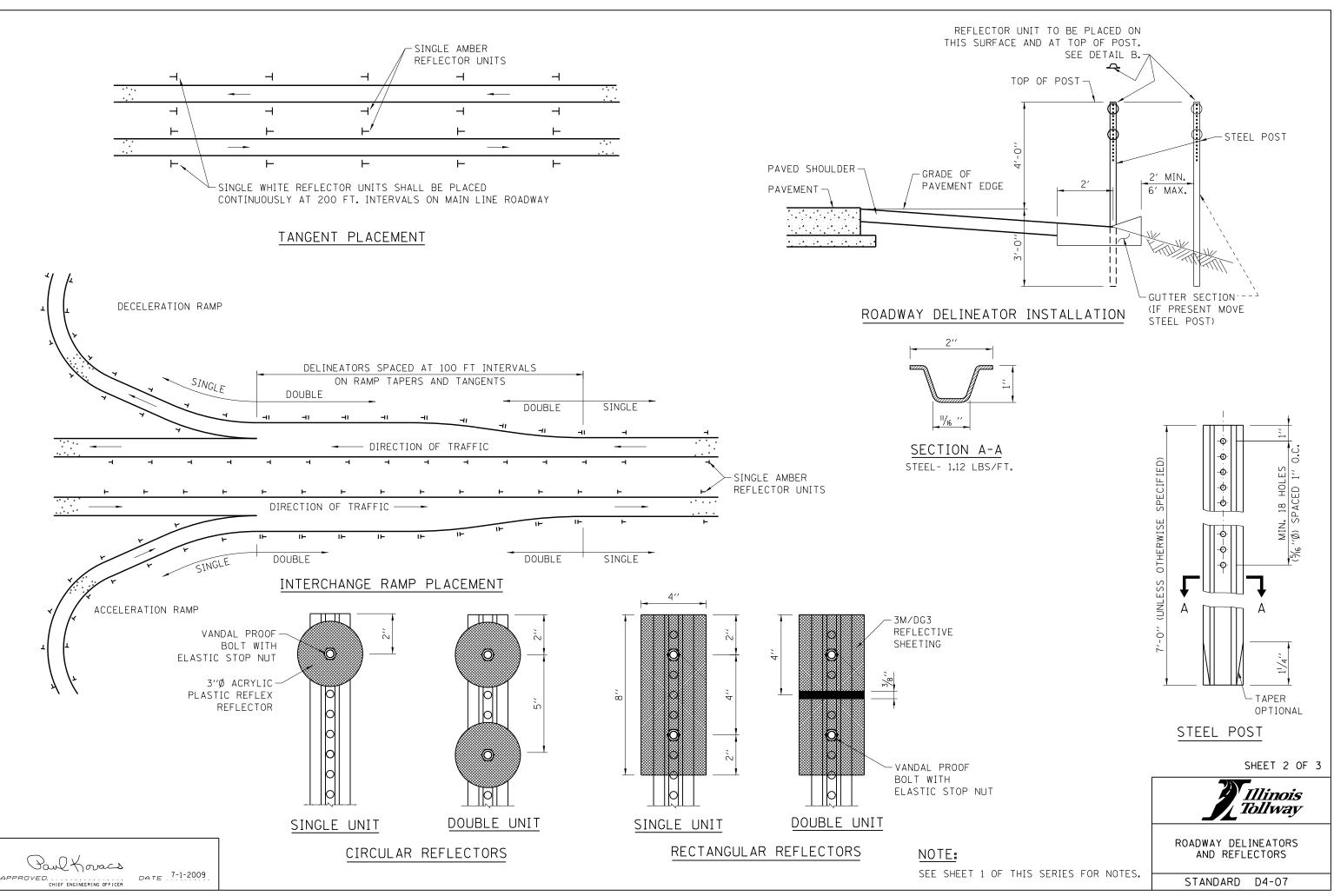
4. POST MOUNTED REFLECTORS SHALL BE PLACED CONTINUOUSLY AS NOTED ABOVE IN CONJUNCTION WITH GUARDRAIL INSTALLED.

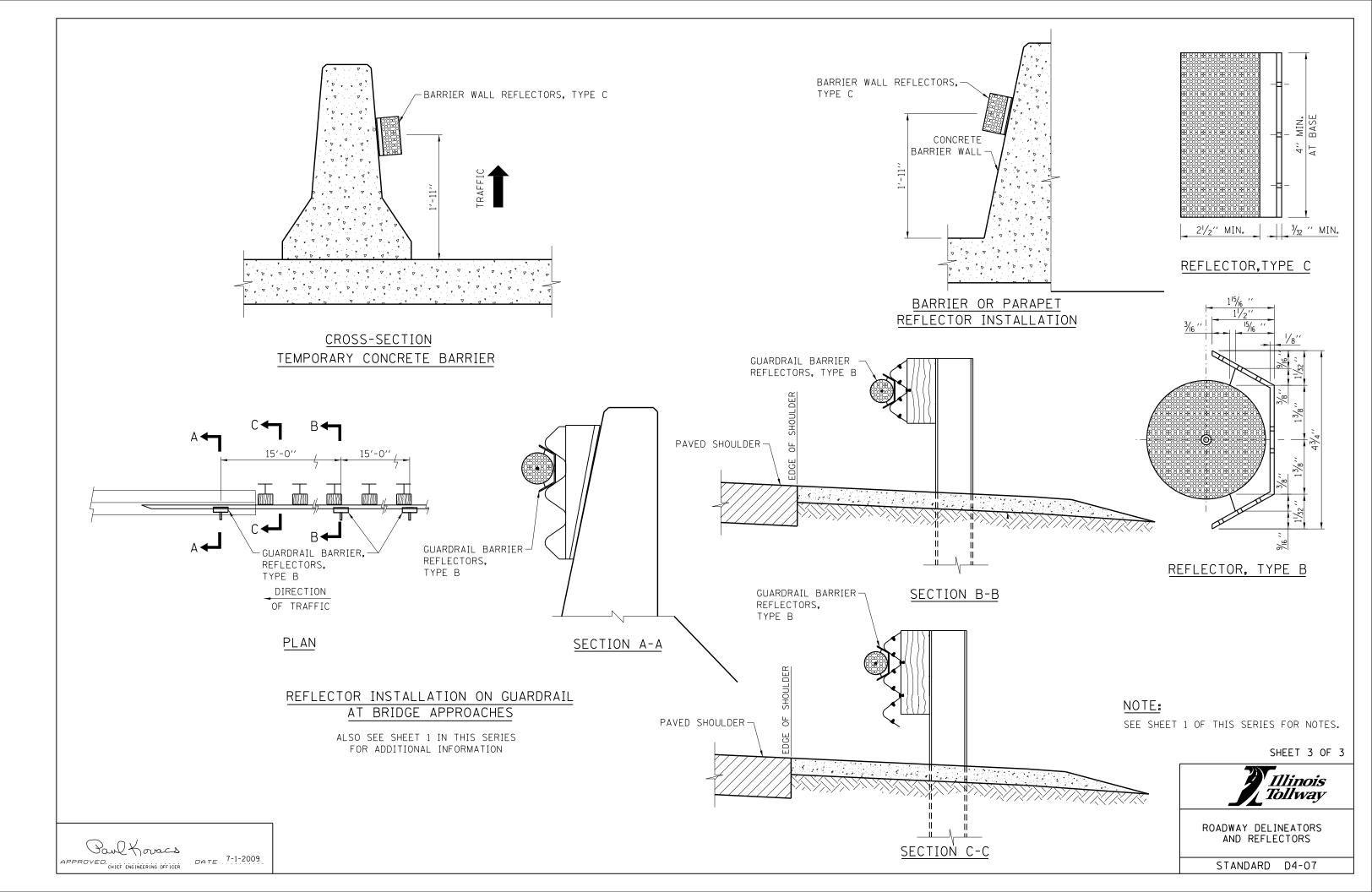
5. THE PLACEMENT OF ROADWAY DELINEATOR "CIRCULAR REFLECTORS" SHALL BE USED FOR ALL MINOR PROJECTS WHICH HAVE A LENGTH OF LESS THAN 5 MILES. THE PLACEMENT OF ROADWAY DELINEATOR "RECTANGULAR REFLECTORS" SHALL BE USED FOR ALL MAJOR PROJECTS WHICH HAVE A LENGTH GREATER THAN 5 MILES. ALL ROADWAY DELINEATORS WITHIN A ROADWAY SEGMENT SHALL BE OF

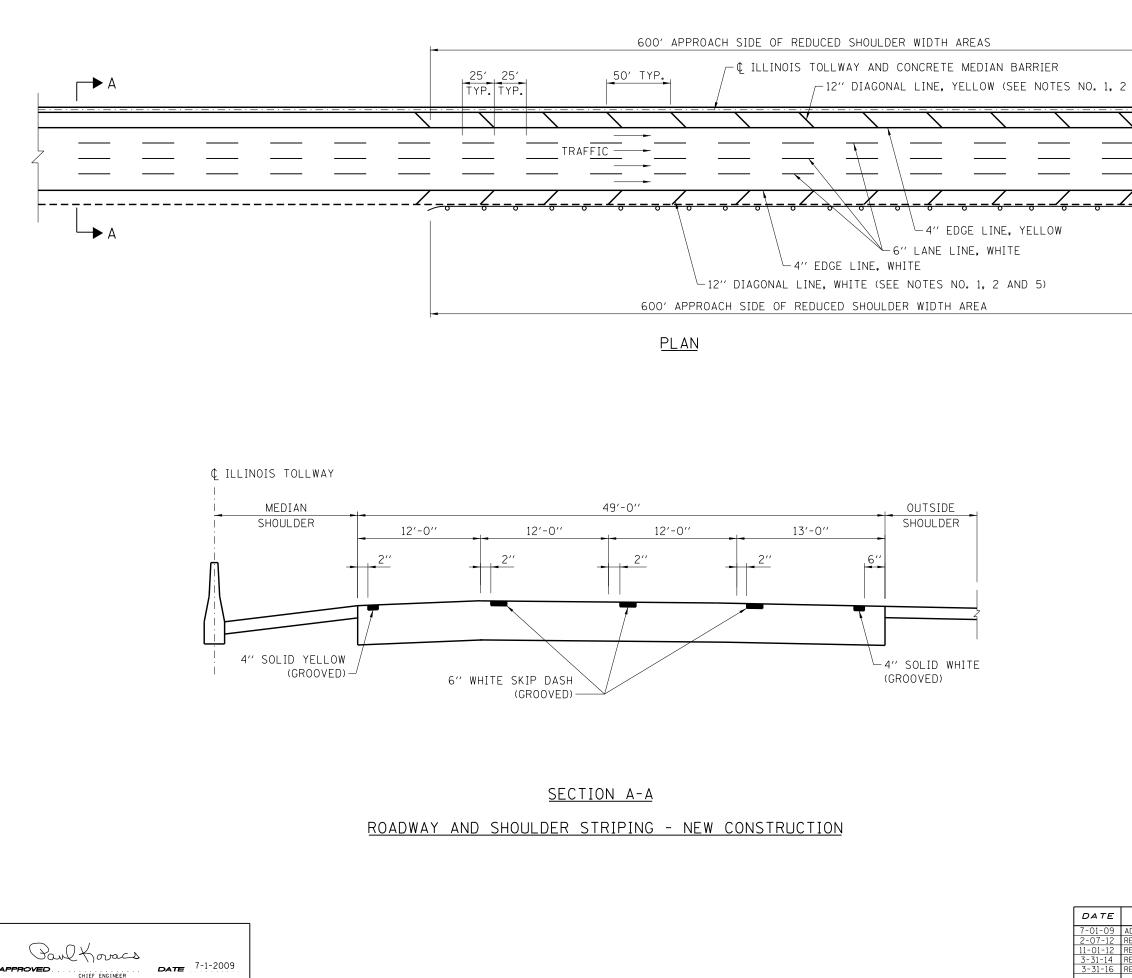
1. REFLECTORS TYPE B AND TYPE C SHALL HAVE REFLECTIVE SURFACE ON ONE

		0.122 1 0. 0
		Illinois Tollway
	REVISIONS	Ionway
2	REVISED REFLECTOR MARKER TYPE C DIMENSION	
)	REVISED NOTES, TABLE AND DELINEATION	
	SPACING	ROADWAY DELINEATORS
5	REVISED NOTES	AND REFLECTORS
6	REVISED DELINEATOR ATTACHMENT TO POST	
7	REVISED PERM. DELINEATION SPACING TABLE	
9	CHANGED BARRIER TO CONSTANT-SLOPE SHAPE	STANDARD D4-07
		STANDAND D4-01

SHEET 1 OF 3







	CONTINUE DIAGONAL LINES THROUGHOUT REDUCED SHOULDER
2 AND 5)	WIDTH AREA ON ROADWAY AND RAMPS
$\overline{\langle \ }$	
	BEGINNING OF REDUCED SHOULDER WIDTH CONTINUE DIAGONAL LINES THROUGHOUT REDUCED SHOULDER
	WIDTH AREA ON ROADWAY AND RAMPS

#### **GENERAL NOTES:**

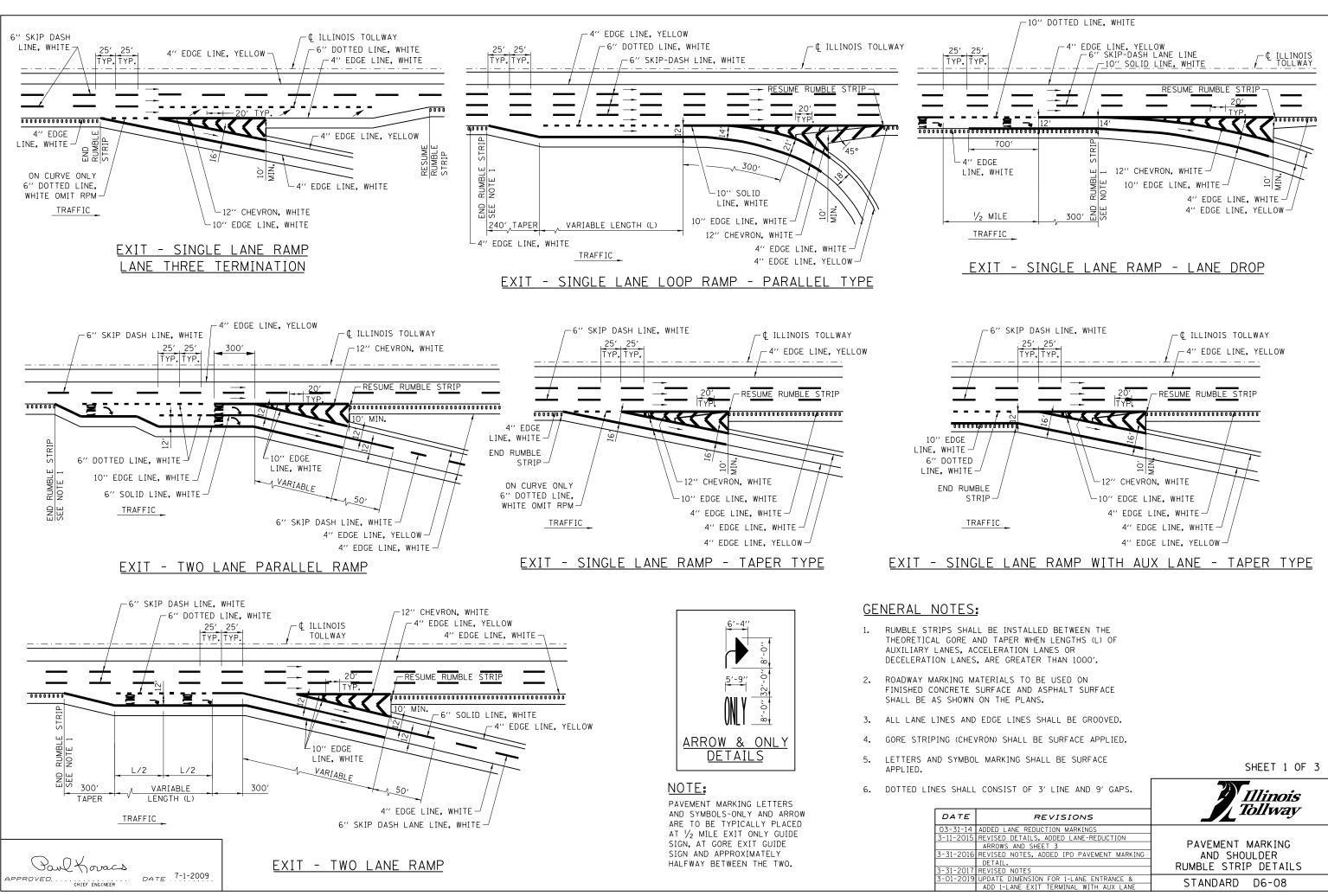
- 1. DIAGONAL SHOULDER STRIPING REQUIRED WHERE THE SHOULDER WIDTH IS LESS THAN STANDARD.
- 2. ROADWAY MARKING MATERIALS TO BE USED ON FINISHED CONCRETE SURFACE AND ASPHALT SURFACE SHALL BE AS SHOWN ON THE PLANS.
- 3. WHERE THE GUARDRAIL ENCROACHES ON THE SHOULDER THE DIAGONAL MARKINGS SHALL EXTEND AS 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.

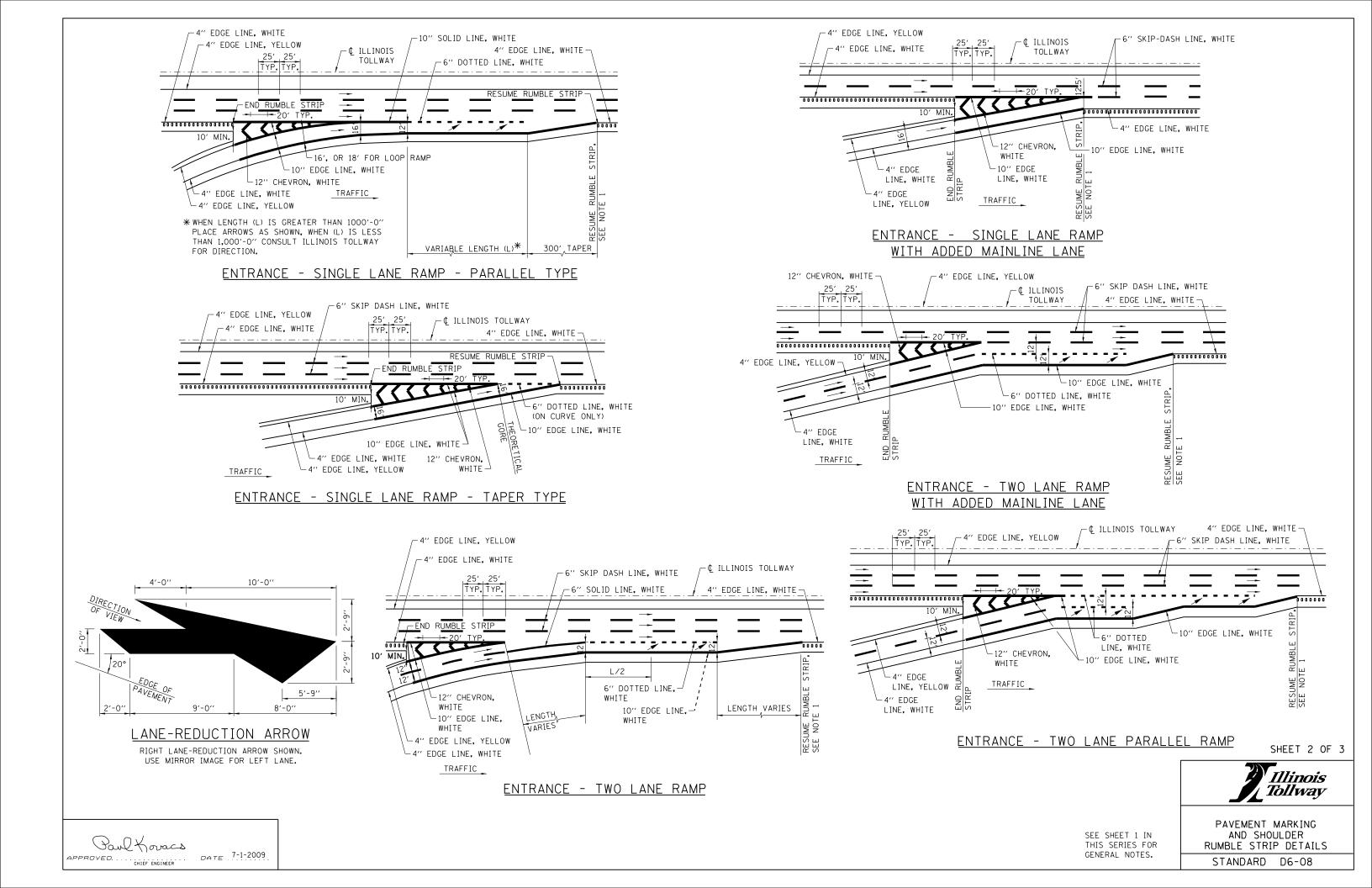


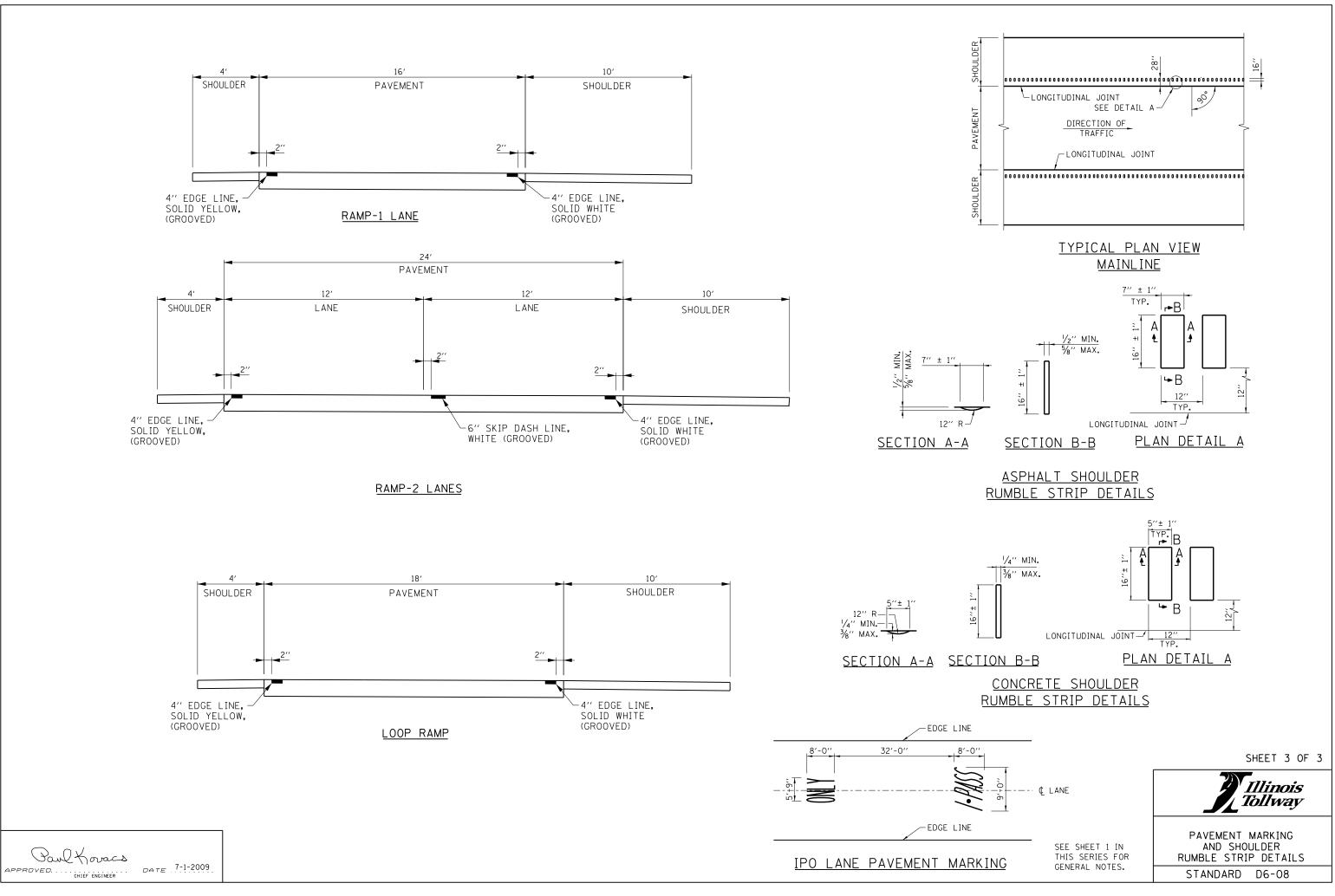
PERMANENT PAVEMENT MARKINGS

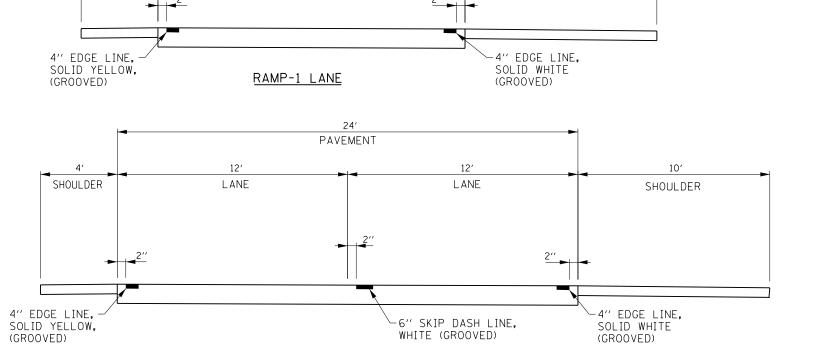
REVISIONS
ADDED LINE GROOVING NOTES
REVISED NOTES
REVISED EDGELINE OFFSET, REVISED NOTES
REVISED NOTES
REVISED NOTES

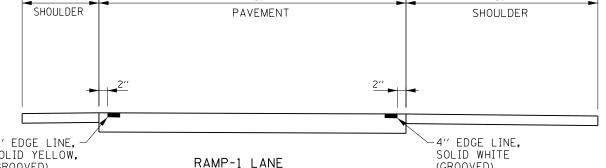
STANDARD D5-06

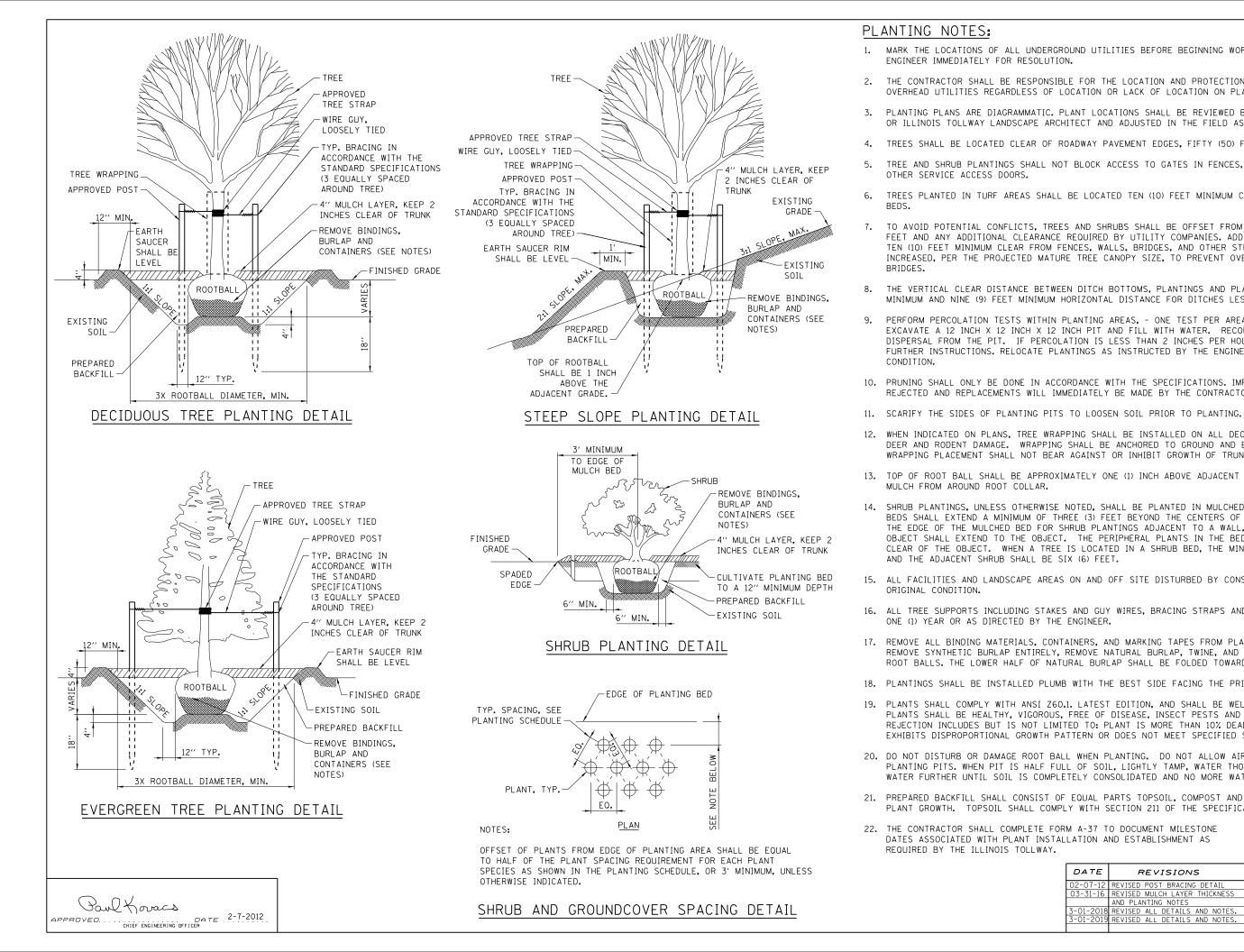












MARK THE LOCATIONS OF ALL UNDERGROUND UTILITIES BEFORE BEGINNING WORK. REPORT ANY CONFLICTS TO THE

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL UNDERGROUND, SURFACE AND OVERHEAD UTILITIES REGARDLESS OF LOCATION OR LACK OF LOCATION ON PLANS.

PLANTING PLANS ARE DIAGRAMMATIC. PLANT LOCATIONS SHALL BE REVIEWED BY THE CONTRACTOR AND ENGINEER AND OR ILLINOIS TOLLWAY LANDSCAPE ARCHITECT AND ADJUSTED IN THE FIELD AS NECESSARY PRIOR TO PLANTING.

TREES SHALL BE LOCATED CLEAR OF ROADWAY PAVEMENT EDGES. FIFTY (50) FEET MINIMUM.

TREE AND SHRUB PLANTINGS SHALL NOT BLOCK ACCESS TO GATES IN FENCES, HYDRANTS ON NOISE WALLS, OR

6. TREES PLANTED IN TURF AREAS SHALL BE LOCATED TEN (10) FEET MINIMUM CLEAR FROM THE EDGE OF PLANTINGS

TO AVOID POTENTIAL CONFLICTS, TREES AND SHRUBS SHALL BE OFFSET FROM UTILITIES A MINIMUM OF TEN (10) FEET AND ANY ADDITIONAL CLEARANCE REQUIRED BY UTILITY COMPANIES. ADDITIONALLY, TREES SHALL BE LOCATED 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

THE VERTICAL CLEAR DISTANCE BETWEEN DITCH BOTTOMS, PLANTINGS AND PLANTING BEDS SHALL BE THREE (3) FEET MINIMUM AND NINE (9) FEET MINIMUM HORIZONTAL DISTANCE FOR DITCHES LESS THAN THREE (3) FEET DEEP.

PERFORM PERCOLATION TESTS WITHIN PLANTING AREAS, - ONE TEST PER AREA OR 1000 SF OF PLANTING BED. MAX. EXCAVATE A 12 INCH X 12 INCH X 12 INCH PIT AND FILL WITH WATER. RECORD THE PER HOUR RATE OF WATER DISPERSAL FROM THE PIT. IF PERCOLATION IS LESS THAN 2 INCHES PER HOUR, CONTACT THE ENGINEER FOR FURTHER INSTRUCTIONS. RELOCATE PLANTINGS AS INSTRUCTED BY THE ENGINEER. RESTORE PIT TO SURROUNDING

10. PRUNING SHALL ONLY BE DONE IN ACCORDANCE WITH THE SPECIFICATIONS. IMPROPERLY PRUNED PLANTING WILL BE REJECTED AND REPLACEMENTS WILL IMMEDIATELY BE MADE BY THE CONTRACTOR.

12. WHEN INDICATED ON PLANS, TREE WRAPPING SHALL BE INSTALLED ON ALL DECIDUOUS TREES TO PROTECT FROM DEER AND RODENT DAMAGE. WRAPPING SHALL BE ANCHORED TO GROUND AND EXTEND UP TO LOWEST BRANCH. WRAPPING PLACEMENT SHALL NOT BEAR AGAINST OR INHIBIT GROWTH OF TRUNK OR LOWEST BRANCH.

13. TOP OF ROOT BALL SHALL BE APPROXIMATELY ONE (1) INCH ABOVE ADJACENT FINISHED GRADE. REMOVE DEBRIS AND

14. SHRUB PLANTINGS, UNLESS OTHERWISE NOTED, SHALL BE PLANTED IN MULCHED BEDS. THE EDGE OF THE MULCHED BEDS SHALL EXTEND A MINIMUM OF THREE (3) FEET BEYOND THE CENTERS OF THE PERIPHERAL PLANTS IN THE BED THE EDGE OF THE MULCHED 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

15. ALL FACILITIES AND LANDSCAPE AREAS ON AND OFF SITE DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO

16. ALL TREE SUPPORTS INCLUDING STAKES AND GUY WIRES, BRACING STRAPS AND ANCHORS SHALL BE REMOVED AFTER

17. REMOVE ALL BINDING MATERIALS, CONTAINERS, AND MARKING TAPES FROM PLANTINGS PRIOR TO BACKFILLING. REMOVE SYNTHETIC BURLAP ENTIRELY, REMOVE NATURAL BURLAP, TWINE, AND WIRE BASKETS FROM THE TOP HALF OF ROOT BALLS. THE LOWER HALF OF NATURAL BURLAP SHALL BE FOLDED TOWARD THE BOTTOM OF THE ROOT BALL.

18. PLANTINGS SHALL BE INSTALLED PLUMB WITH THE BEST SIDE FACING THE PRIMARY VIEWING DIRECTION.

19. PLANTS SHALL COMPLY WITH ANSI Z60.1. LATEST EDITION, AND SHALL BE WELL FORMED WITH FULL FOLIAGE MASS. PLANTS SHALL BE HEALTHY, VIGOROUS, FREE OF DISEASE, INSECT PESTS AND THEIR EGGS. BASIS OF PLANT REJECTION INCLUDES BUT IS NOT LIMITED TO: PLANT IS MORE THAN 10% DEAD, ROOT BOUND, IMPROPERLY PRUNED EXHIBITS DISPROPORTIONAL GROWTH PATTERN OR DOES NOT MEET SPECIFIED SIZE REQUIREMENTS.

20. DO NOT DISTURB OR DAMAGE ROOT BALL WHEN PLANTING. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING PLANTING PITS. WHEN PIT IS HALF FULL OF SOIL, LIGHTLY TAMP, WATER THOROUGHLY. ADD REMAINING SOIL AND WATER FURTHER UNTIL SOIL IS COMPLETELY CONSOLIDATED AND NO MORE WATER IS ABSORBED.

21. PREPARED BACKFILL SHALL CONSIST OF EQUAL PARTS TOPSOIL, COMPOST AND EXISTING SITE SOIL SUITABLE FOR PLANT GROWTH. TOPSOIL SHALL COMPLY WITH SECTION 211 OF THE SPECIFICATIONS.

AND PLANTING NOTES

REVISIONS

ED POST BRACING DETAIL

REVISED MULCH LAYER THICKNESS

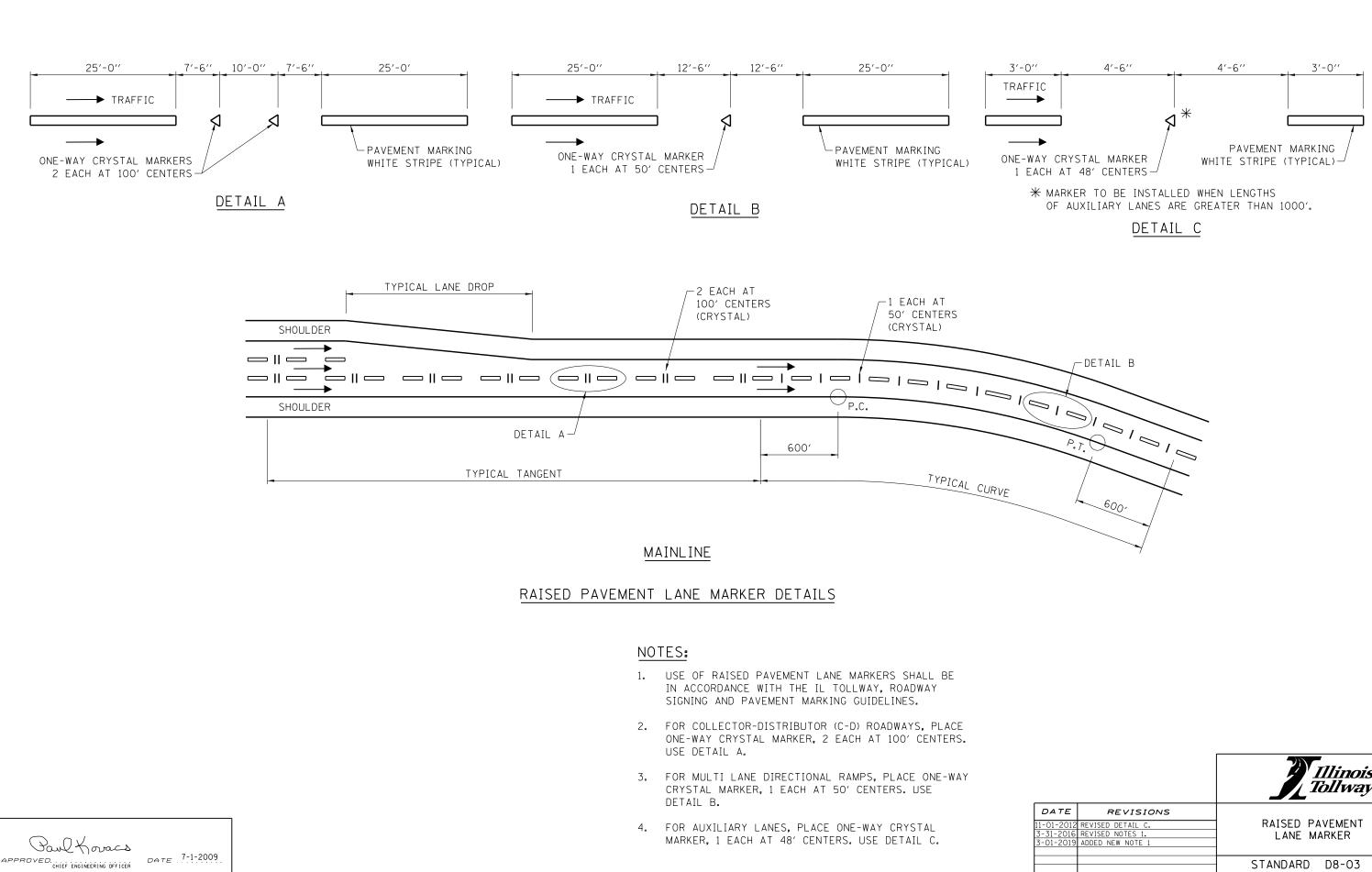
DATE

)<u>3-31-16</u>



LANDSCAPE PLANTING DETAILS

REVISED ALL DETAILS AND NOTES. REVISED ALL DETAILS AND NOTES. STANDARD D7-04



		Tollway
DATE	REVISIONS	
11-01-2012	REVISED DETAIL C.	RAISED PAVEMENT
	REVISED NOTES 1.	LANE MARKER
3-01-2019	ADDED NEW NOTE 1	
		STANDARD D8-03
3-31-2016		LANE MARKER