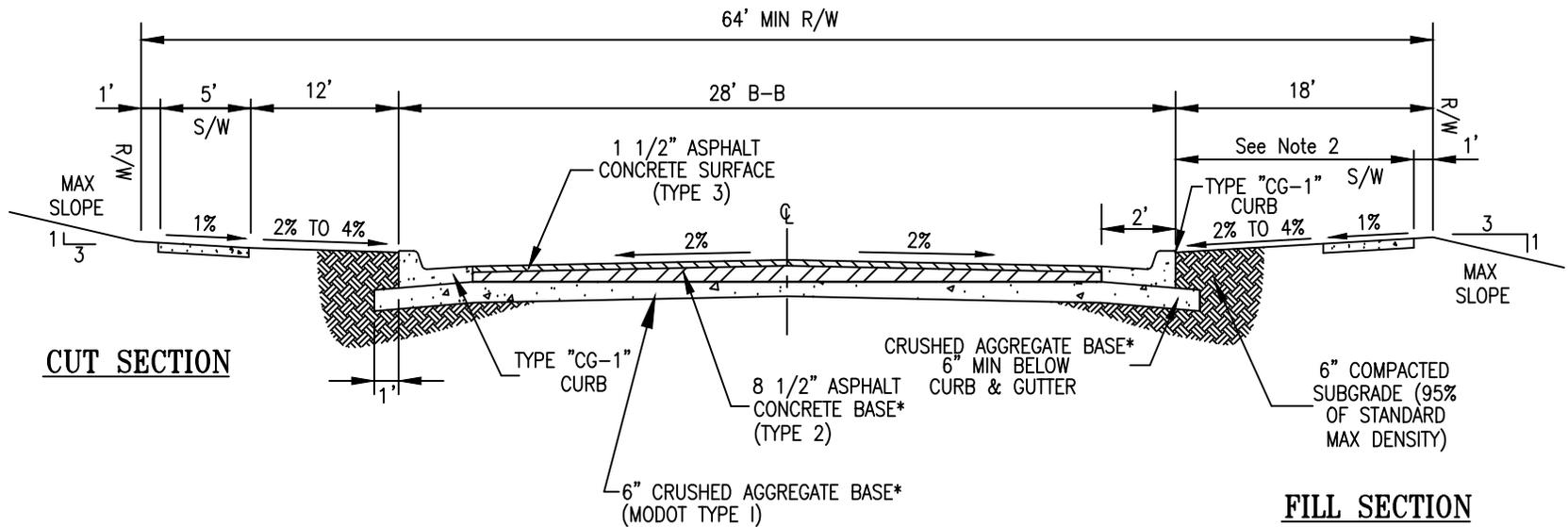


NOTE:

UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER, BASE MIX SHALL BE TYPE 2.

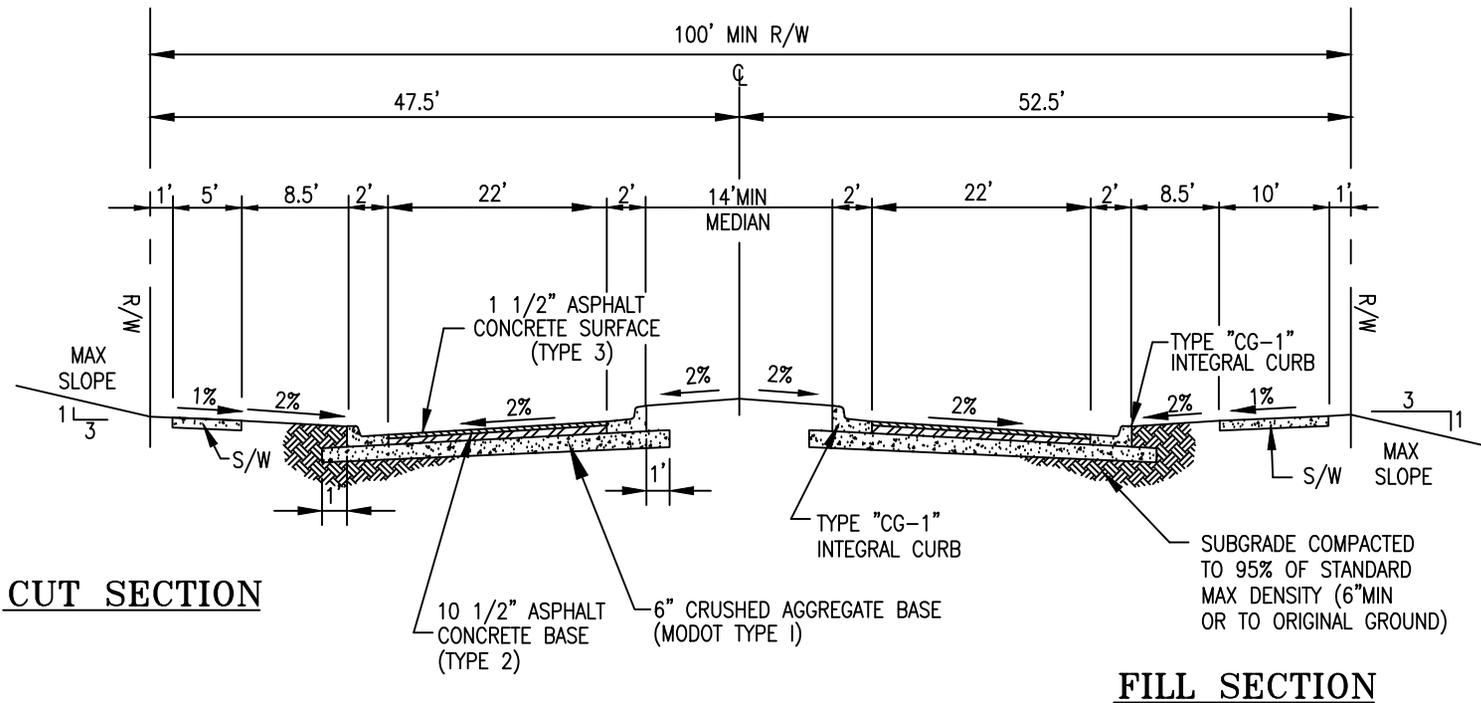
* WIDTH MAY VARY BASED ON APPROVED SUBDIVISION DESIGN.



NOTE:

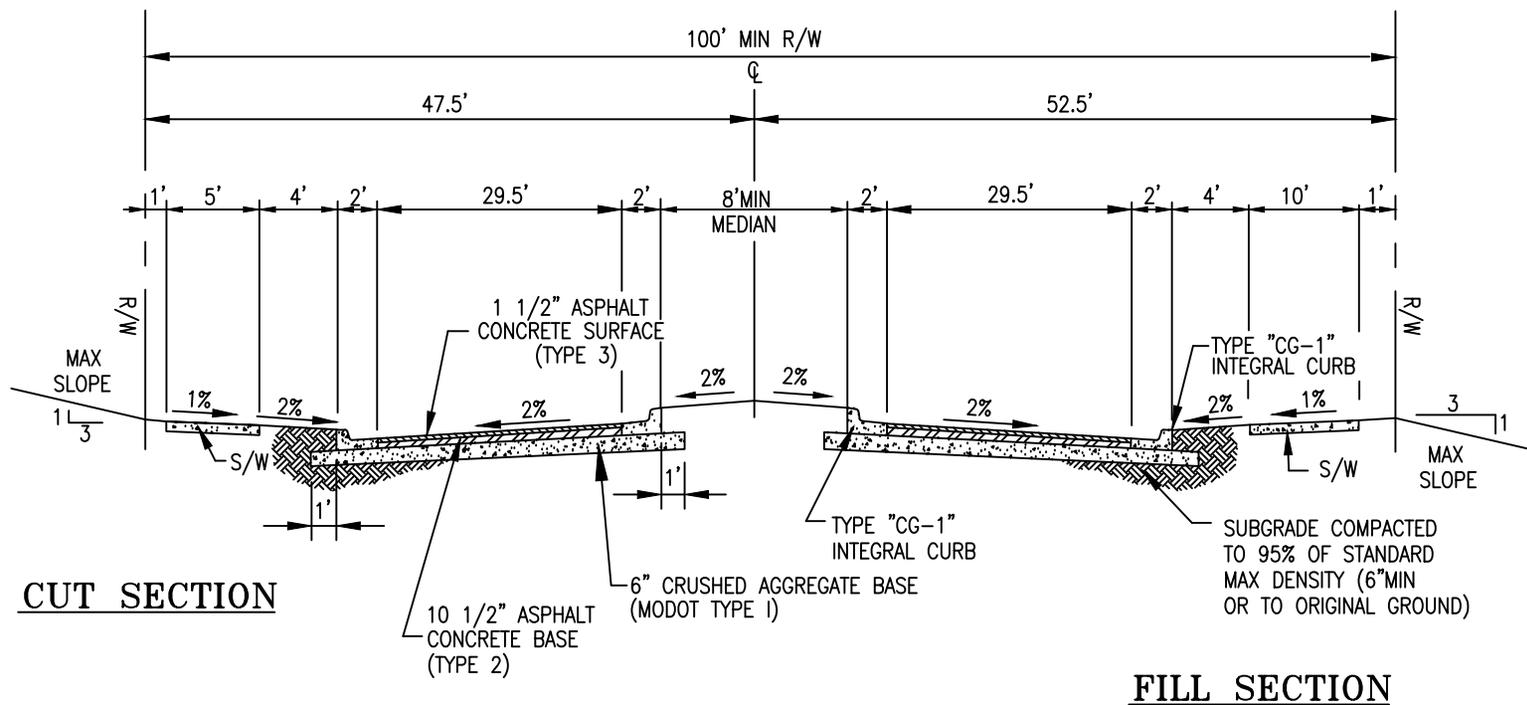
1. UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER, BASE MIX SHALL BE TYPE 2.
2. 5' WIDE SIDEWALK TO INCLUDE 12' GREENSPACE.
10' WIDE SIDEWALK TO INCLUDE 7' GREENSPACE.
3. CITY PLANTING REQUIREMENTS TO BE MET WITHIN ALL DESIGNATED GREENSPACES. SEE CITY CODE OF ORDINANCE CHAPTER 28A AND CHAPTER 30, ARTICLES XV AND XVI.

* MINIMUM THICKNESS. IF HEAVY COMMERCIAL/INDUSTRIAL USE TRAFFIC IS ANTICIPATED AS PART OF THE TRAFFIC IMPACT STUDY, A DEDICATED PAVEMENT DESIGN WILL BE REQUIRED.

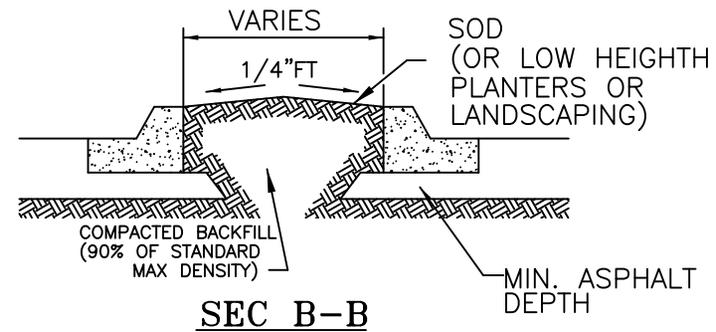
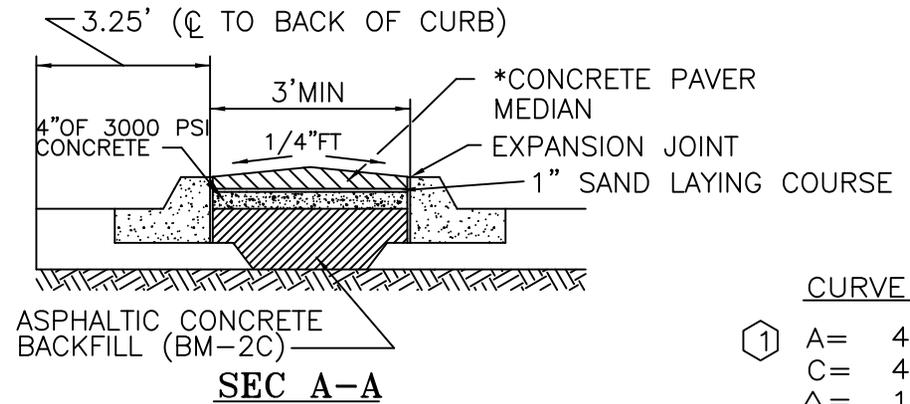
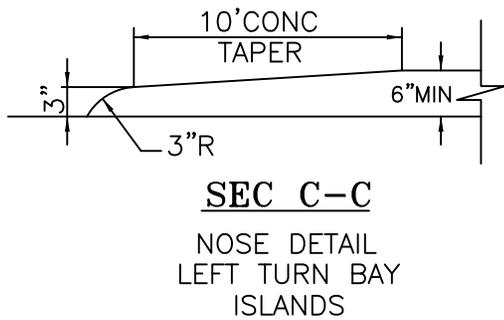
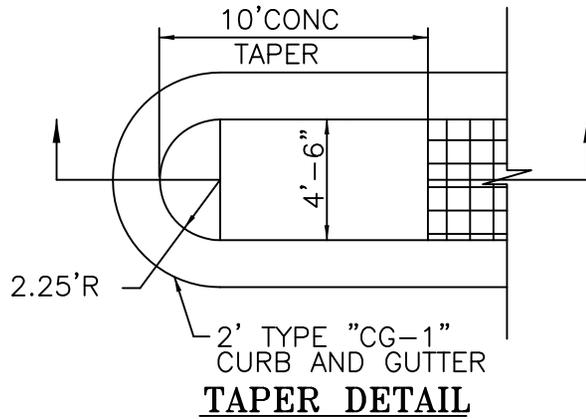
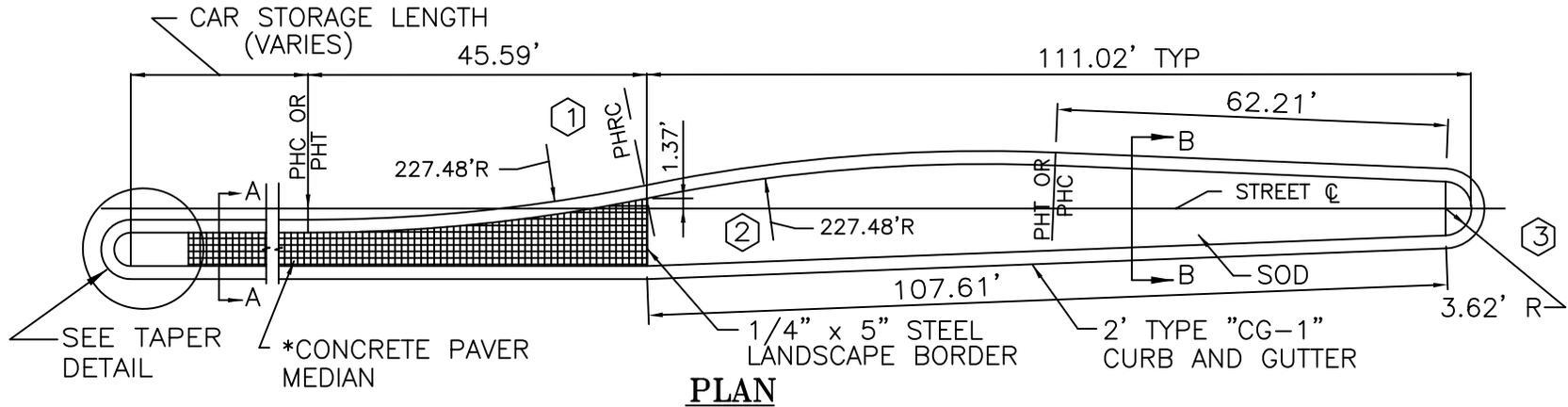


NOTE:

1. UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER, BASE MIX SHALL BE TYPE 2.
2. CITY PLANTING REQUIREMENTS TO BE MET WITHIN ALL DESIGNATED GREENSPACES. SEE CITY CODE OF ORDINANCE CHAPTER 28A AND CHAPTER 30, ARTICLES XV AND XVI.
3. CONFIRM ROADWAY STRIPING WITH CITY ENGINEER; THE 22-FOOT WIDTH MAY BE REQUIRED TO INCLUDE BIKE LANES.



- NOTE:
1. UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER, BASE MIX SHALL BE TYPE 2.
 2. CITY PLANTING REQUIREMENTS TO BE MET WITHIN ALL DESIGNATED GREENSPACES. SEE CITY CODE OF ORDINANCE CHAPTER 28A AND CHAPTER 30, ARTICLES XV AND XVI.
 3. CONFIRM ROADWAY STRIPING WITH CITY ENGINEER; TYPICAL DIMENSIONS INCLUDE TWO 11-FOOT TRAVEL LANES, A 5-FOOT BIKE LANE, AND A 2.5 FOOT-BUFFER - IN EACH DIRECTION.



CURVE INFO

| | | |
|---|------------|--------|
| ① | A= | 45.67 |
| | C= | 45.59 |
| | Δ = | 11.50 |
| | R= | 227.48 |
| | T= | 22.91 |

| | | |
|---|------------|--------|
| ② | A= | 45.67 |
| | C= | 45.59 |
| | Δ = | 11.50 |
| | R= | 227.48 |
| | T= | 22.91 |

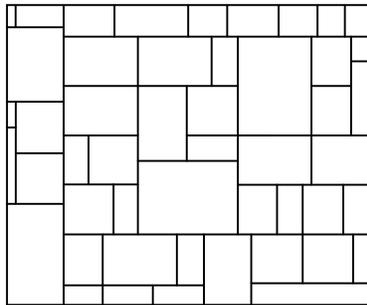
| | | |
|---|------------|--------|
| ③ | A= | 11.65 |
| | C= | 7.23 |
| | Δ = | 175.69 |
| | R= | 3.62 |
| | T= | 96.16 |

* SEE SPEC DRAWING D14-4a FOR PAVER DETAILS

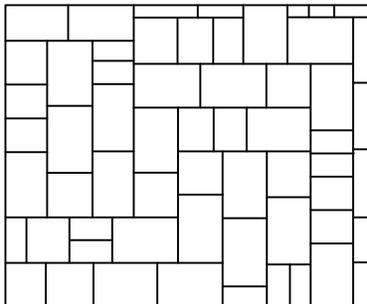
ALL PAVERS SHALL BE MANUFACTURED BY PAVESTONE AND SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

THE PATTERN SHALL BE MADE UP AND LAID CONFORMING TO EITHER OF THE FOLLOWING:

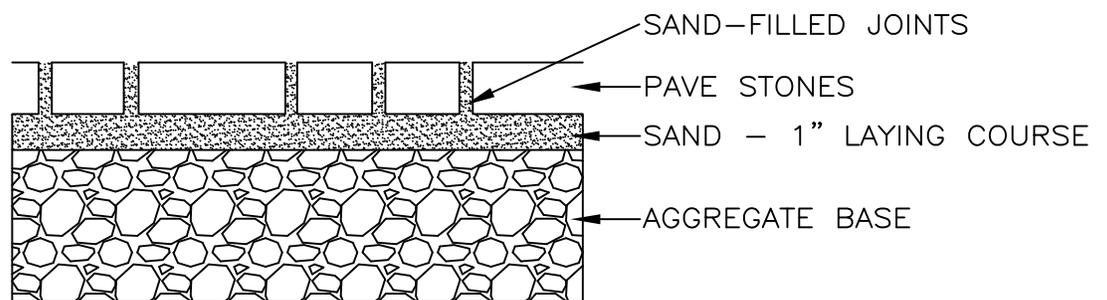
1. PLAZA I (40%), PLAZA II (40%) AND GIANT HERITAGE (10%)



2. PLAZA I (50%), PLAZA II (50%)



TYPICAL CROSS SECTION OF CONCRETE PAVE STONE INSTALLATION



INSTALLATION SHALL CONFORM TO MANUFACTURE'S SPECIFICATIONS

THE COLOR SHALL BE 50% AUTUMN BLEND AND 50% WINTER BLEND

ALL PAVERS SHALL BE SWEEPED WITH SAND AND THOROUGHLY VIBRATED UPON COMPLETION OF LAYING

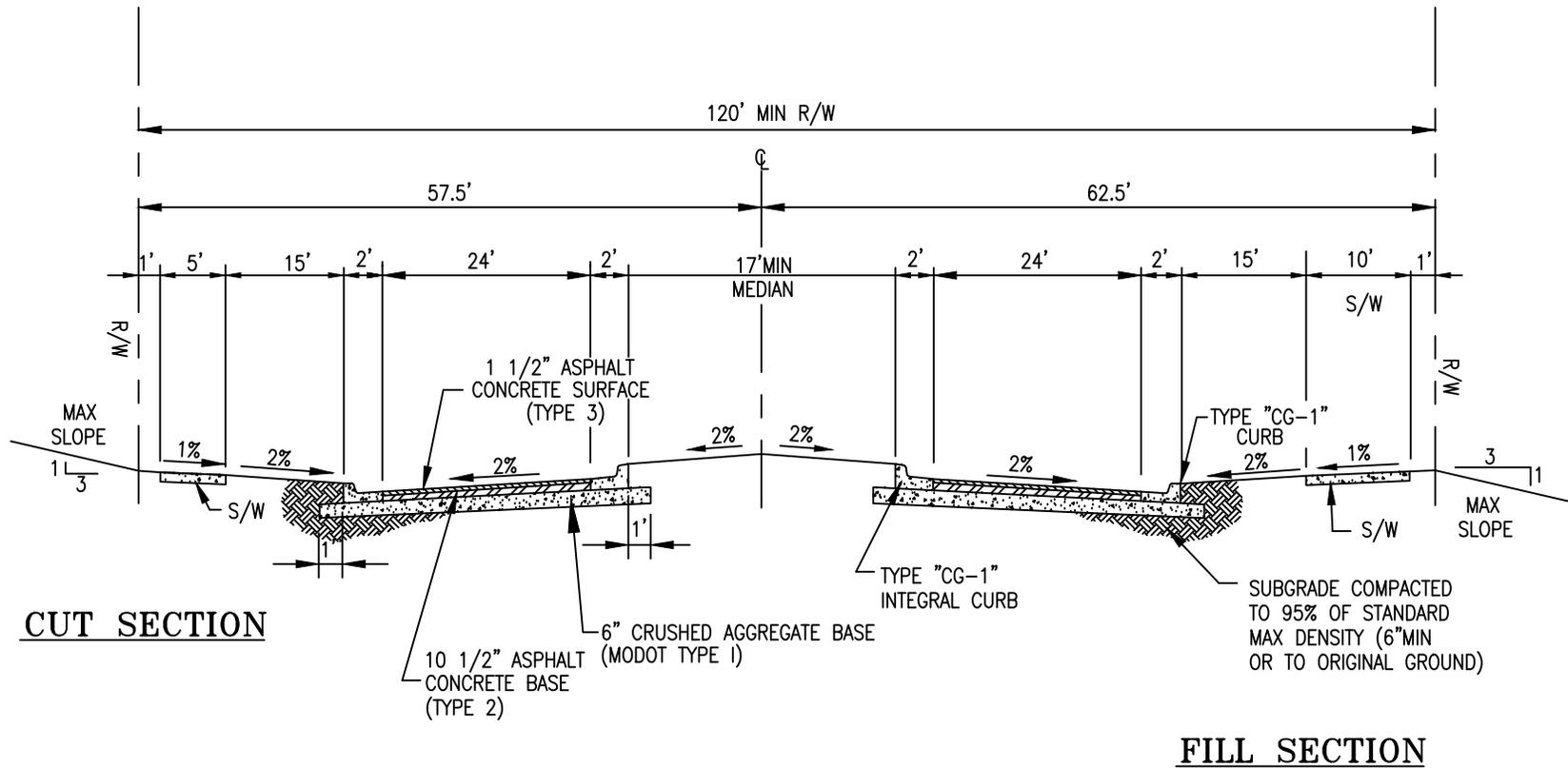
REV 2009



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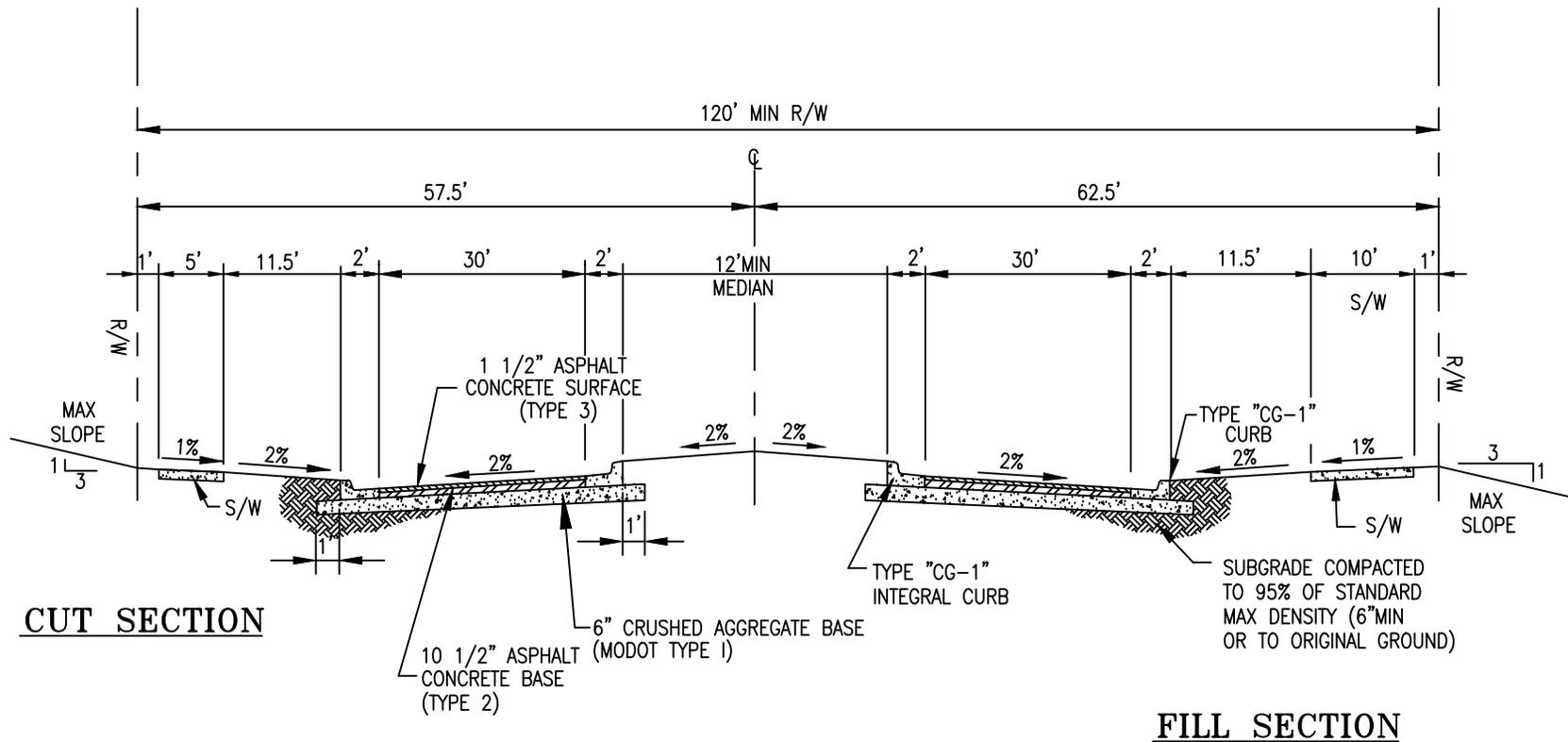
TYPICAL
PAVER
INSTALLATION

D14-4a



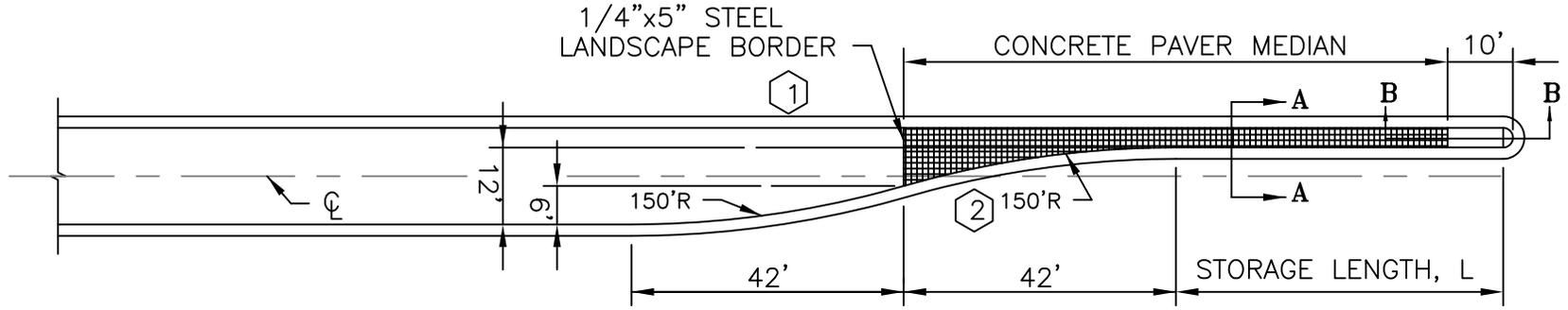
NOTE:

1. UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER, BASE MIX SHALL BE TYPE 2.
2. CITY PLANTING REQUIREMENTS TO BE MET WITHIN ALL DESIGNATED GREENSPACES. SEE CITY CODE OF ORDINANCE CHAPTER 28A AND CHAPTER 30, ARTICLES XV AND XVI.
3. CONFIRM ROADWAY STRIPING WITH CITY ENGINEER; TYPICAL DIMENSIONS INCLUDE TWO 12-FOOT TRAVEL LANES IN EACH DIRECTION.

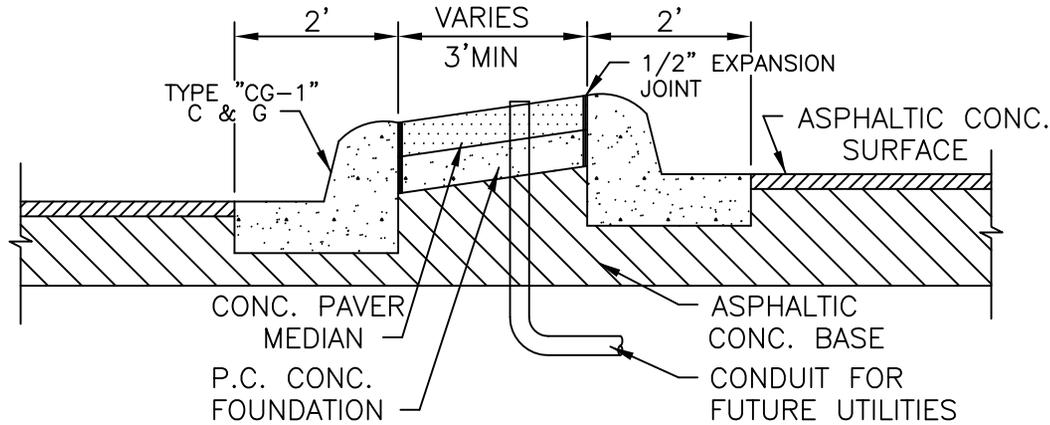


NOTE:

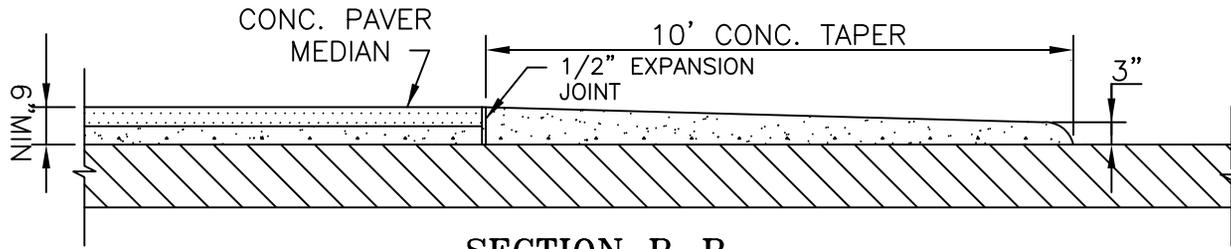
1. UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER, BASE MIX SHALL BE TYPE 2.
2. CITY PLANTING REQUIREMENTS TO BE MET WITHIN ALL DESIGNATED GREENSPACES. SEE CITY CODE OF ORDINANCE CHAPTER 28A AND CHAPTER 30, ARTICLES XV AND XVI.
3. CONFIRM ROADWAY STRIPING WITH CITY ENGINEER; TYPICAL DIMENSIONS INCLUDE TWO 11-FOOT TRAVEL LANES, A 5-FOOT BIKE LANE, AND A 3 FOOT-BUFFER - IN EACH DIRECTION.



TYPICAL LEFT TURN LANE



SECTION A-A

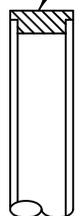


SECTION B-B

CURVE INFO

| | |
|---|-----------|
| ① | A= 42.14 |
| | C= 42.00 |
| | Δ= 16.10 |
| | R= 150.00 |
| | T= 21.21 |
| ② | A= 42.14 |
| | C= 42.00 |
| | Δ= 16.10 |
| | R= 150.00 |
| | T= 21.21 |

CAP OR PLUG CONDUIT



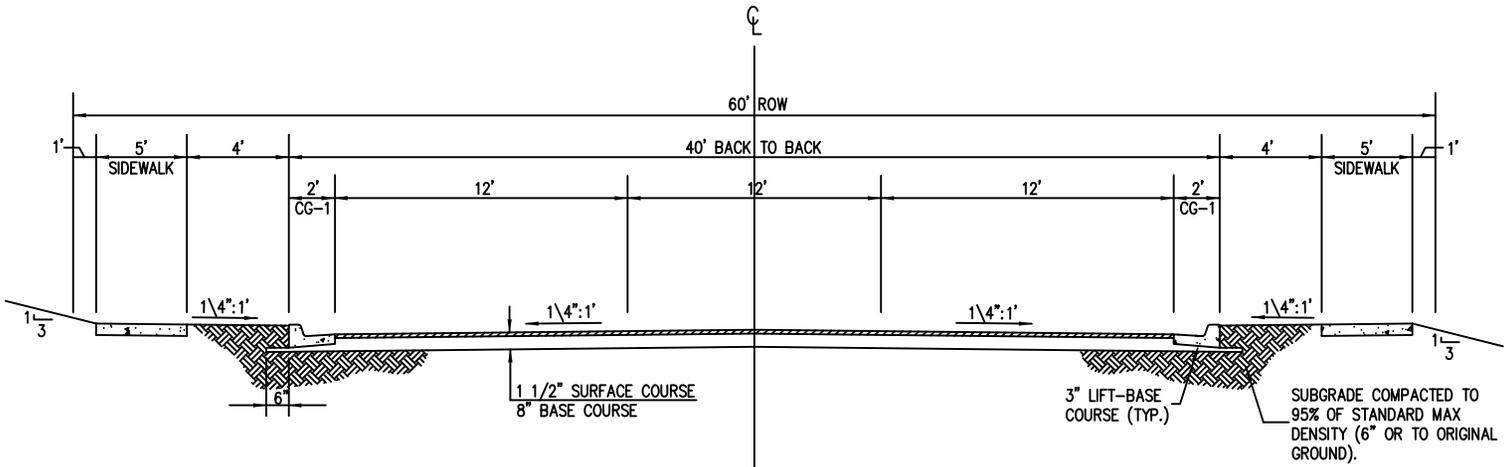
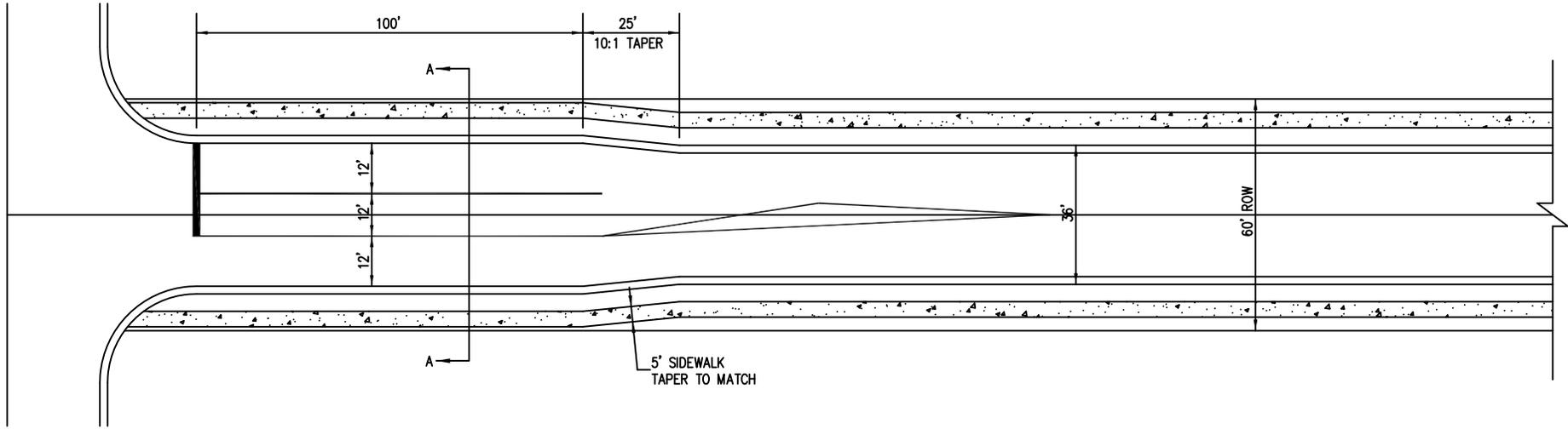


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COLLECTOR/COMMERCIAL
PLAN & PROFILE
TURN LANE

D14-7

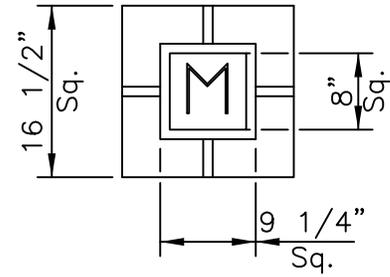
REV 2009



SECTION A-A

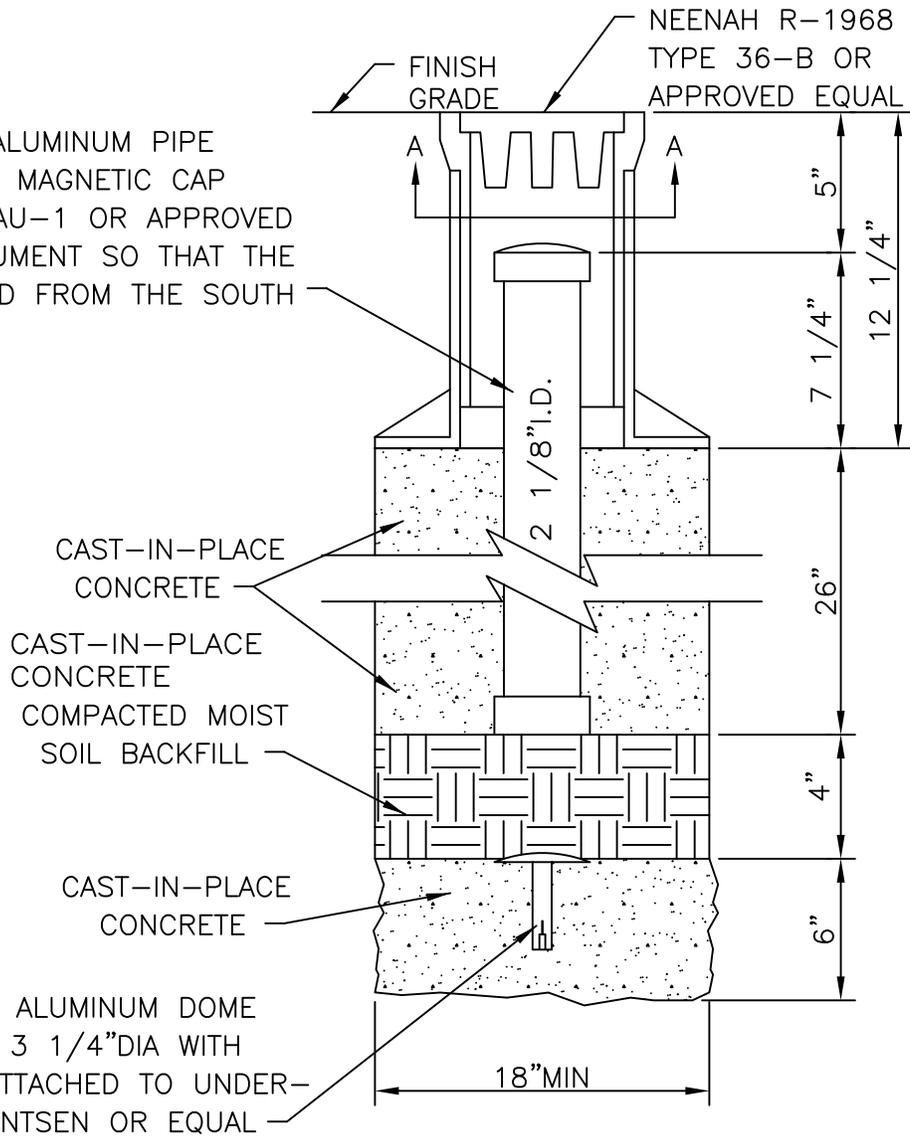
NOTE:

CAP FURNISHED BY CONTRACTOR.
SECTION MARKER TO HAVE
TOWNSHIP AND RANGE STAMPED
ON THE TOP WITH TRUE SECTION
CORNER ETCHED ON THE SURFACE
BY SURVEYOR LICENSED IN THE
STATE OF MISSOURI.



DETAIL A-A

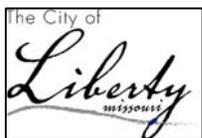
30" STANDARD ALUMINUM PIPE
MONUMENT WITH MAGNETIC CAP
BERNTSEN TYPE AU-1 OR APPROVED
EQUAL. SET MONUMENT SO THAT THE
CAP CAN BE READ FROM THE SOUTH



STANDARD LAND CORNER MONUMENT

(NO SCALE)

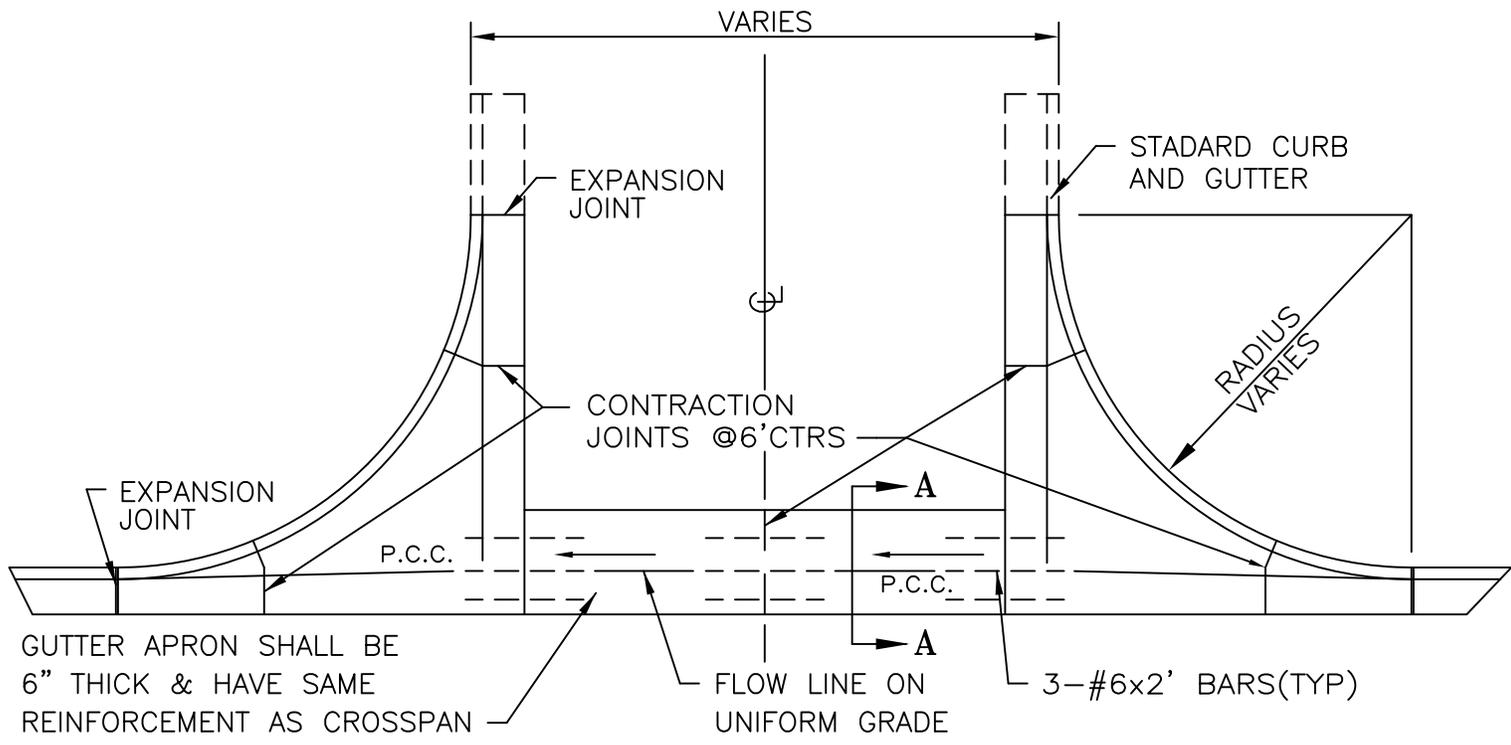
REV 2009



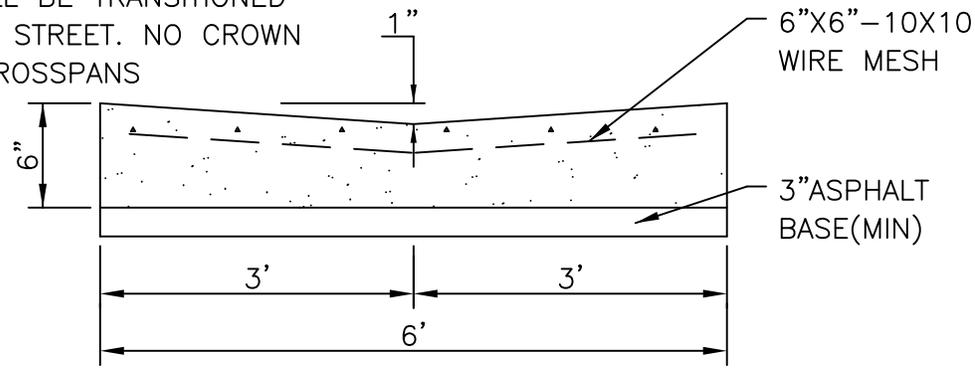
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MONUMENT BOX
DETAIL

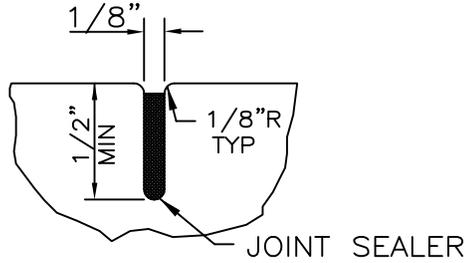
D14-8



CROWN SHALL BE TRANSITIONED OUT OF THE STREET. NO CROWN EXISTS IN CROSSPANS



SECTION A-A



CONTRACTION JOINT

NOTE:
 CROSS PAN DETAIL SHALL BE USED AT ALL LOCATIONS WHERE DRAINAGE TO BE TRANSPORTED ACROSS RETURN WITH LONGITUDINAL SLOPE OF ROADWAY BETWEEN .5% & 1% UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.

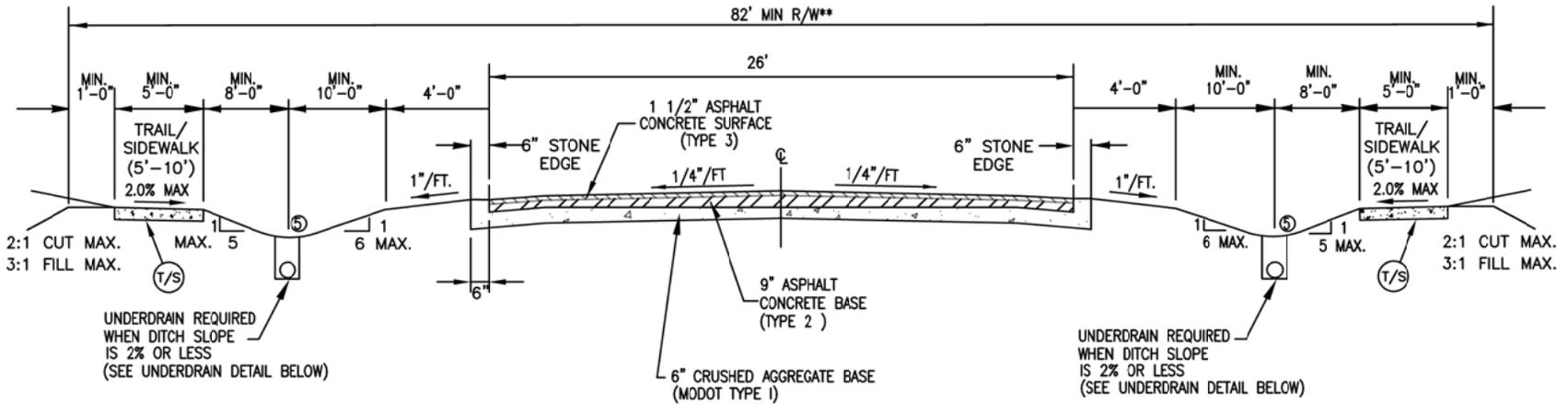
FOR USE WITH ASPH. CONC. END RETURNS REV 2009



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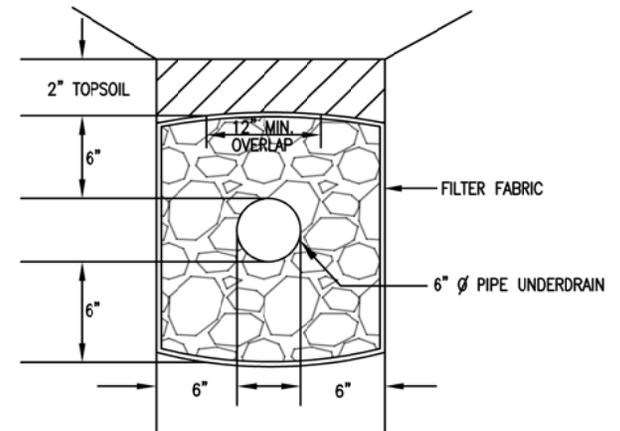
CROSS PAN DETAIL

D14-9



NOTES:

- DESIGN GEOMETRICS TO BE APPROVED BY THE CITY ENGINEER FOR EACH INDIVIDUAL PROJECT.
 - UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER BASE MIX SHALL BE TYPE 2.
 - SIDEWALKS TO BE CONSTRUCTED ALONG THE ROADWAY AS PART OF PROJECT.
 - APPLICABLE FOR THE FOLLOWING ROADWAYS ONLY:
 - * N LIGHTBURNE ST (FROM DONIPHAN ST NORTH TO CITY LIMITS)
 - * ROUTE H (FROM R.E. BOWLES/MILL EAST TO CITY LIMITS)
 - * ROUTE B (FROM ROUTE H/ROUTE B INTERSECTION NORTH TO CITY LIMITS)
 - * SOUTHVIEW DR (FROM CLAYWOODS DR SOUTH TO RUTH EWING RD)
 - * OLD 210 HWY (FROM 291 HWY EAST TO CITY LIMITS)
 - * N CHURCH RD (FROM CITY LIMITS SOUTH TO KANSAS ST)
 - * GLENN HENDREN DR (FROM N LIGHTBURNE ST SOUTH TO NASHUA RD)
 - * S STEWART RD (FROM SW PROPERTY LINE OF LIBERTY COMMONS SOUTH TO CITY LIMITS)
 - * EDGAR PETTY RD (FROM CITY LIMITS SOUTH TO 69 HWY)
 - ONCE DEPTH OF DITCH IS WITHIN 4" OF THE PAVEMENT EDGE DURING A 25-YEAR STORM EVENT, A MINIMUM 5' WIDE FLAT BOTTOM DITCH IS REQUIRED TO EXPAND CAPACITY.
 - MINIMUM STANDARDS AS ESTABLISHED FOR A MINOR ARTERIAL SHALL BE MET REGARDING VERTICAL AND HORIZONTAL GEOMETRY, DESIGN SPEED, DRIVE SPACING, PARKING AND PAVEMENT MARKING.
- (T/S) SIDEWALK OR TRAIL WHEN IDENTIFIED ON TRAIL MASTER PLAN.
- * ROAD WIDTH MAY VARY BASED ON APPROVED SUBDIVISION DESIGN. BUT SHALL BE 26' MINIMUM FROM EDGE TO EDGE.
- ** REQUIRED RIGHT-OF-WAY WIDTH SHALL BE DETERMINED ON A CASE BY CASE BASIS. BUT SHALL BE 82' MINIMUM.



UNDERDRAIN DETAIL

NOTES: UNDERDRAIN DETAIL

- UNDERDRAIN PIPE SHALL BE INSTALLED WITH THE PERFORATIONS PLACED DOWN.
- ALL FILTER FABRIC USED FOR PIPE UNDERDRAIN CONSTRUCTION SHALL CONFORM TO KCAPWA STANDARD SPECIFICATIONS SECTION 2203.6
- THE CONTRACTOR MAY, AT HIS OPTION, USE OTHER PIPE UNDERDRAIN, BUT SHALL NOT MIX UNDERDRAIN TYPES WITHIN ANY UNDERDRAIN SYSTEM.
- ALL EDGE UNDERDRAIN SHALL BE HELD IN THE CENTER OF THE TRENCH BY MECHANICAL METHODS WHILE PLACING GRANULAR BACKFILL. SEE DETAIL THIS SHEET. ALTERNATE METHODS MAY BE USED WITH PRIOR APPROVAL BY THE CITY ENGINEER.
- BLANKET UNDERDRAIN AGGREGATE, PIPE UNDERDRAIN AGGREGATE, PIPE UNDERDRAIN, EDGE UNDERDRAIN AND OUTLET PIPE SHALL CONFORM TO KCAPWA STANDARD SPECIFICATIONS SECTION 2203.6