

TOWN OF CLINTON, CONNECTICUT

STANDARD PROFILES DETAILS & PERMITS MANUAL



TOWN OF CLINTON
54 EAST MAIN STREET
CLINTON, CONNECTICUT 06413



William Stanton Andrews Memorial Town Hall

TOWN OF CLINTON

INSPECTION REQUIREMENTS & GUIDELINES FOR ROAD, DRAINAGE AND OTHER PUBLIC IMPROVEMENTS

GENERAL

All road, drainage and other public improvements required as part of the subdivision or site plan approval process requires periodic inspections to be conducted by the Town of Clinton to monitor compliance with the approved construction plans, Town Regulations and Standards, and good construction practice. However, it is the owner's sole responsibility to ensure that all construction conforms with applicable requirements and approved plans.

FAILURE TO PROPERLY EXECUTE REQUIRED IMPROVEMENTS

Failure to follow these Inspection Requirements & Guidelines may result in a rejection of that portion of the work completed without required inspections, resulting in delays and added costs to the owner in demonstrating compliance, to the Town's satisfaction, with applicable regulations and standards. Failure to construct road, drainage and other public improvements in accordance with approved construction plans, Town Regulations and Standards, and good construction practice may result in the Town's refusal to accept any such improvements.

PRECONSTRUCTION MEETING

Prior to the start of any construction, it is the owner's responsibility to schedule a preconstruction meeting with the Town. Scheduling of this meeting shall be made with the Director of Public Works, who shall be responsible for notification of the Public Works Commission, Town Zoning Enforcement Officer, Town Inspectors and other appropriate Town Staff. The owner shall be responsible for ensuring that the contractor is in attendance. The general purpose of the preconstruction meeting is to introduce all parties, exchange telephone numbers, to review the construction schedule, and discuss any additional requirements or concerns specific to the proposed project.

BONDING & BOND REDUCTIONS

Prior to the start of any construction, a performance bond shall be filed with the Town of Clinton. An outline of bonding requirements and bond reduction procedures can be obtained from the Town Zoning Enforcement Officer.



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Following is a general outline of key construction stages requiring inspections by the Town. At the discretion of the Town, the contractor may be notified of additional inspections that may be required. Unannounced spot inspections may also be made at anytime. It is the contractor's sole responsibility to schedule and coordinate all required inspections with the Town Inspector. At a minimum, twenty-four hours advance notification shall be required for all inspections.

1. After cutting of trees and brush, and the installation of sediment and erosion control measures, but prior to any stumping and/or grading.
2. After stumping and stripping of topsoil and organic material from earth cut and fill areas, but prior to the placement of any fill material.
3. After earth cuts and fills and the formation of the road subgrade. Proof rolling of the subgrade must be observed by the Town after installation of storm drainage improvements and prior to the placement of any gravel subbase materials. In roadway fills, the town may require the owner of perform compaction tests.
4. After the installation of underdrains, but prior to backfilling.
5. After the installation of storm drainage pipe and catch basins, but prior to backfilling.
6. After the placement of gravel subbase. Prior to the placement of gravel subbase, the owner shall be responsible for obtaining, and submitting to the Town for approval, a gradation analysis of a representative sample of material to be used, so as to confirm that the gravel material meets specifications (CONNDOT M.02.06A).
7. After the placement of processed aggregate base. Prior to the placement of processed aggregate base, the owner shall be responsible for obtaining, and submitting to the Town for approval, a gradation analysis of a representative sample of material to be used, so as to confirm that the process aggregate base material meets specifications (CONNDOT M.05.01).

8. Prior to the placement of bituminous concrete paving, the owner shall be responsible for the excavation of shallow test holes for the purpose of confirming that the actual compacted depth of road base and subbase materials conform to Town Standards. Test holes will be required at a minimum interval of 100 feet at locations designated by the Town of Clinton. In addition, proof rolling of the road base must be observed by the Town.
9. During the placement of bituminous concrete paving. All weight slips for bituminous concrete material delivered to the site must be provided to the Town of Clinton.
10. After placement of bituminous concrete lip curbs, but prior to any backfilling of curbs.
11. After backfilling of curbs and final grading of shoulder areas.
12. After restoration of all disturbed areas, placement of road monuments, traffic control/street name signs and street trees.

PERMITS

Driveway and Excavation

Permits are required when encroaching/excavating into Town property or a Town ROW (street). Permits are also required when installing a new driveway or replacing a driveway which attaches to a Town road.

Permit applications are available online through the Town website (clintonct.org) on the Public Works Page (<http://clintonct.org/168/Public-Works>). Please follow the directions when submitting. If you have any questions, please feel free to contact the Department of Public Works

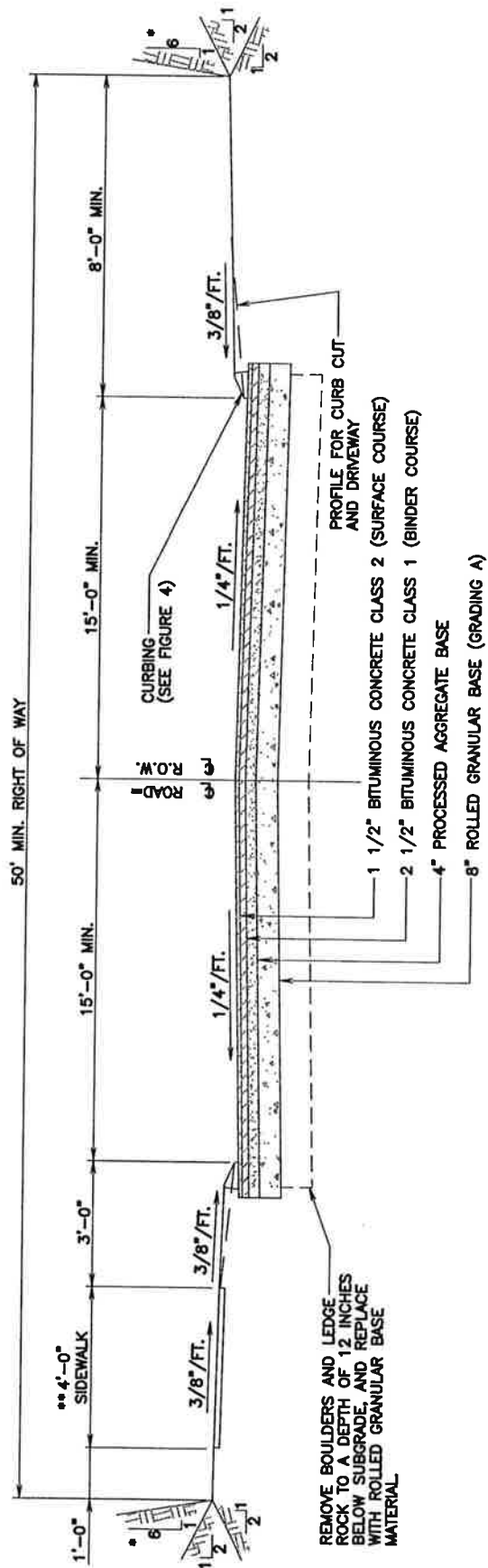
Office: 860-664-1100

Email: clintondpw@clintonct.net



*** SIDEWALK WIDTH SHALL BE 5'-0" IN THE VILLAGE ZONE (V-Z) LOCATED ON EAST MAIN STREET FROM THE INDIAN RIVER EAST TO THE INTERSECTION WITH CONNECTICUT ROUTE 145.

FIGURE 1



(TYPICAL HALF SECTION WHERE NO SIDEWALKS ARE REQUIRED)

* MAXIMUM SLOPE PERMITTED IN ROCK CUTS ONLY.

** SIDEWALK WIDTH SHALL BE 5'-0" IN THE VILLAGE ZONE (V-2) LOCATED ON EAST MAIN STREET FROM THE INDIAN RIVER EAST TO THE INTERSECTION WITH CONNECTICUT ROUTE 145.

(TYPICAL HALF SECTION WHERE SIDEWALKS ARE REQUIRED)

STANDARD DETAIL DRAWING
TYPICAL ROAD SECTION
COLLECTOR STREET

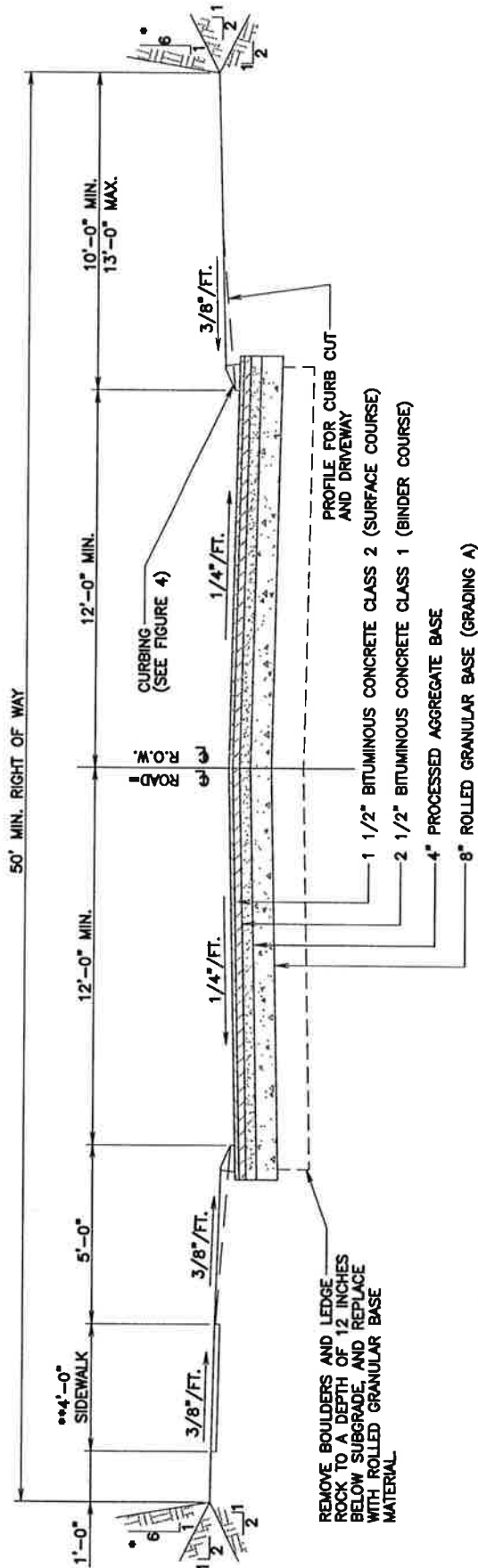
SCALE: NONE

TOWN OF CLINTON
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FIGURE 2



(TYPICAL HALF SECTION WHERE NO SIDEWALKS ARE REQUIRED)

- * MAXIMUM SLOPE PERMITTED IN ROCK CUTS ONLY.
- ** SIDEWALK WIDTH SHALL BE 5'-0" IN THE VILLAGE ZONE (V-2) LOCATED ON EAST MAIN STREET FROM THE INDIAN RIVER EAST TO THE INTERSECTION WITH CONNECTICUT ROUTE 145.

(TYPICAL HALF SECTION WHERE SIDEWALKS ARE REQUIRED)

STANDARD DETAIL DRAWING
TYPICAL ROAD SECTION
LOCAL RESIDENTIAL STREET

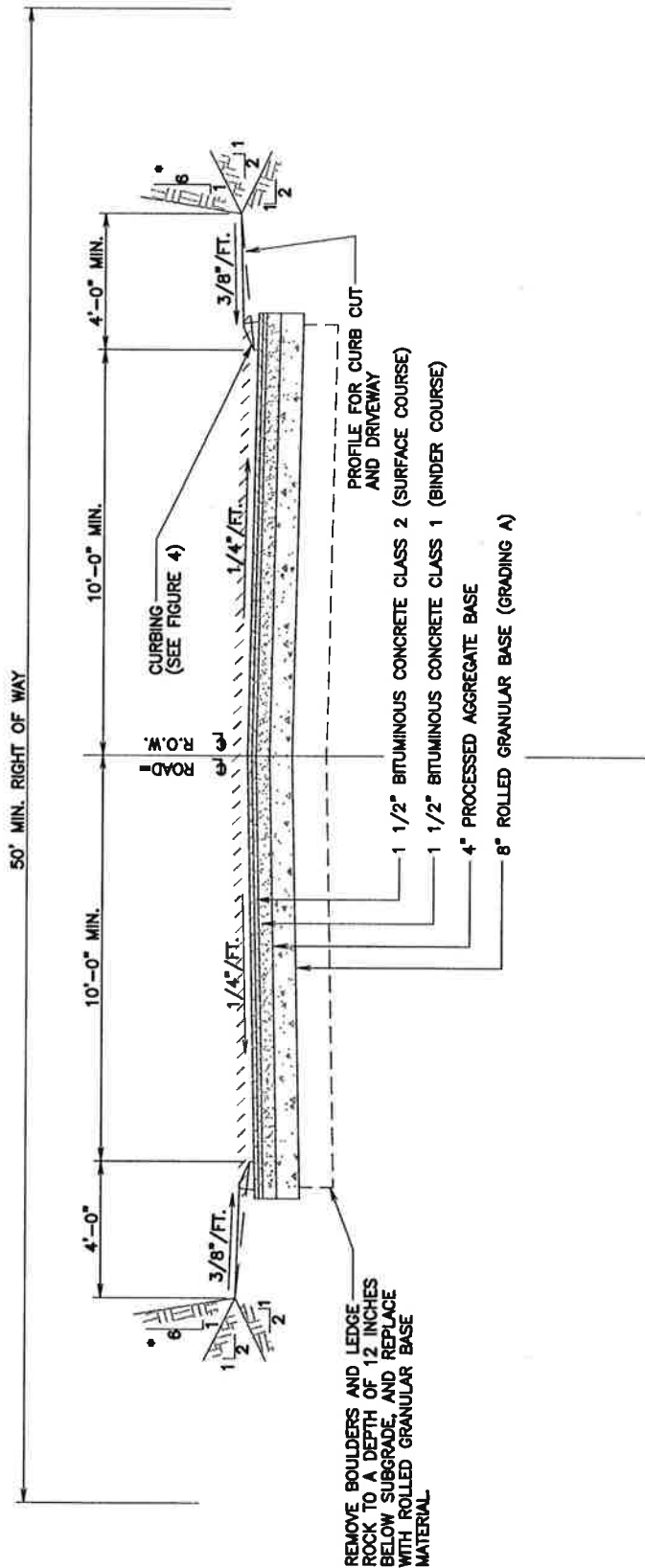
SCALE: NONE

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FIGURE 3



- MAXIMUM SLOPE PERMITTED IN ROCK CUTS ONLY.

STANDARD DETAIL DRAWING
TYPICAL ROAD SECTION
PERMANENT DEAD END STREET
SERVING UP TO 20 LOTS

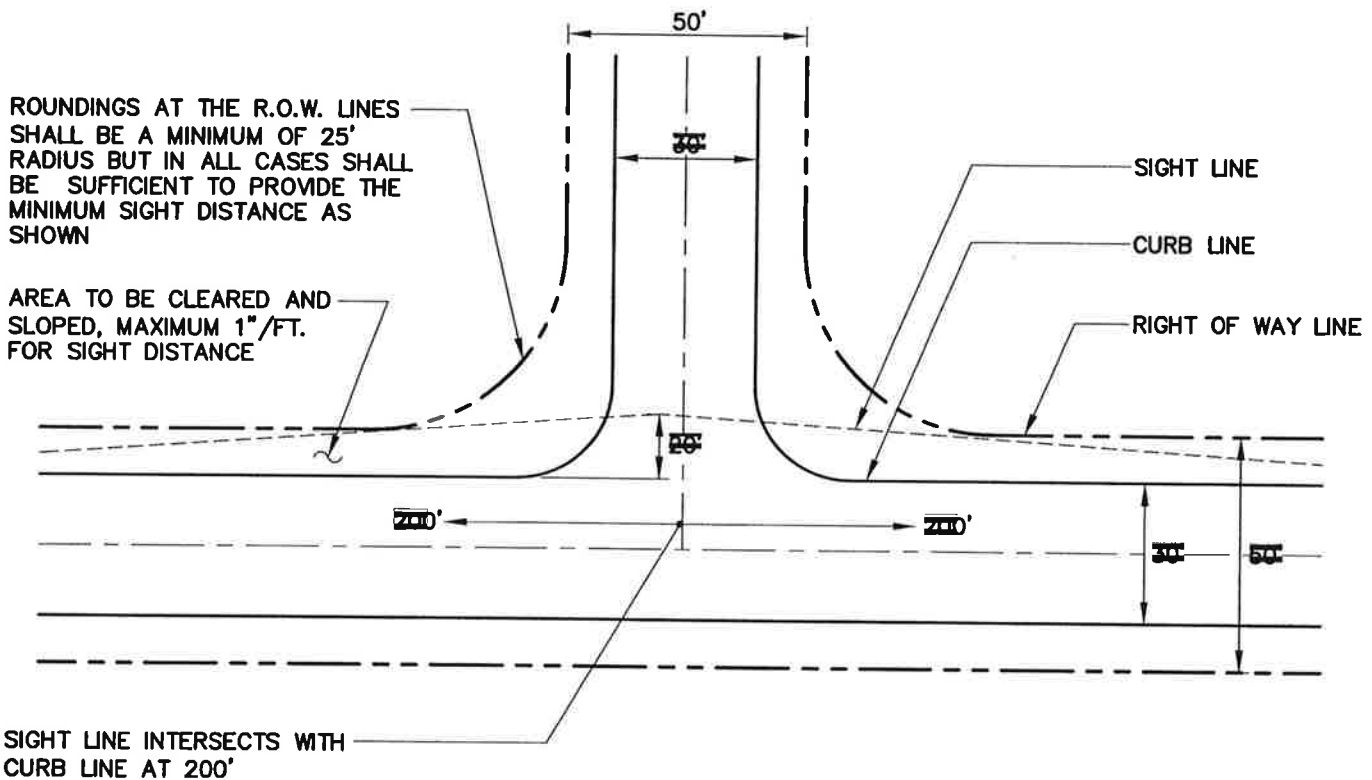
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SCALE: NONE

FIGURE 4



STANDARD DETAIL DRAWING
MINIMUM SIGHT DISTANCE AT INTERSECTION

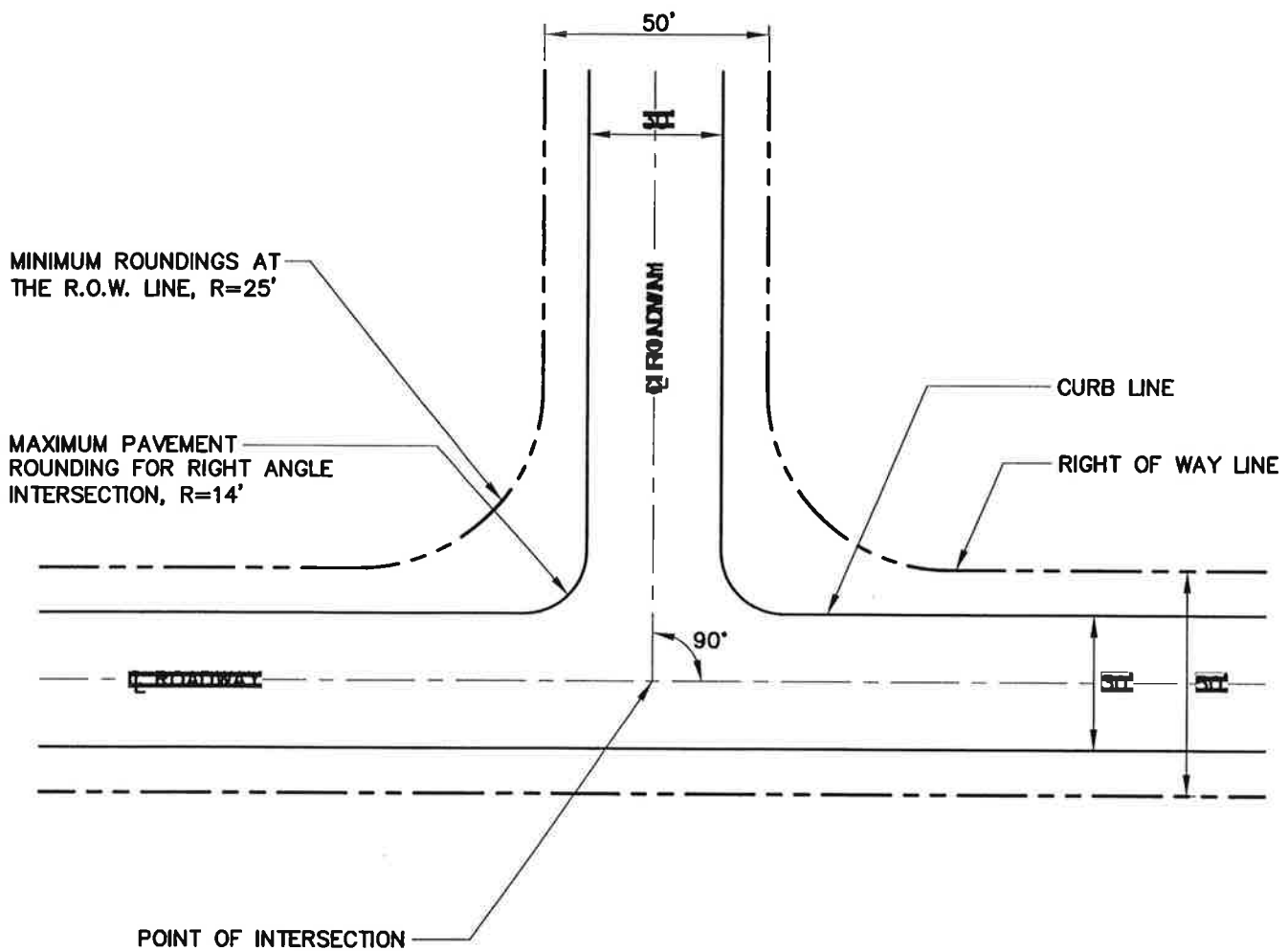
SCALE: NONE

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FIGURE 5



STANDARD DETAIL DRAWING
TYPICAL RIGHT ANGLE INTERSECTION

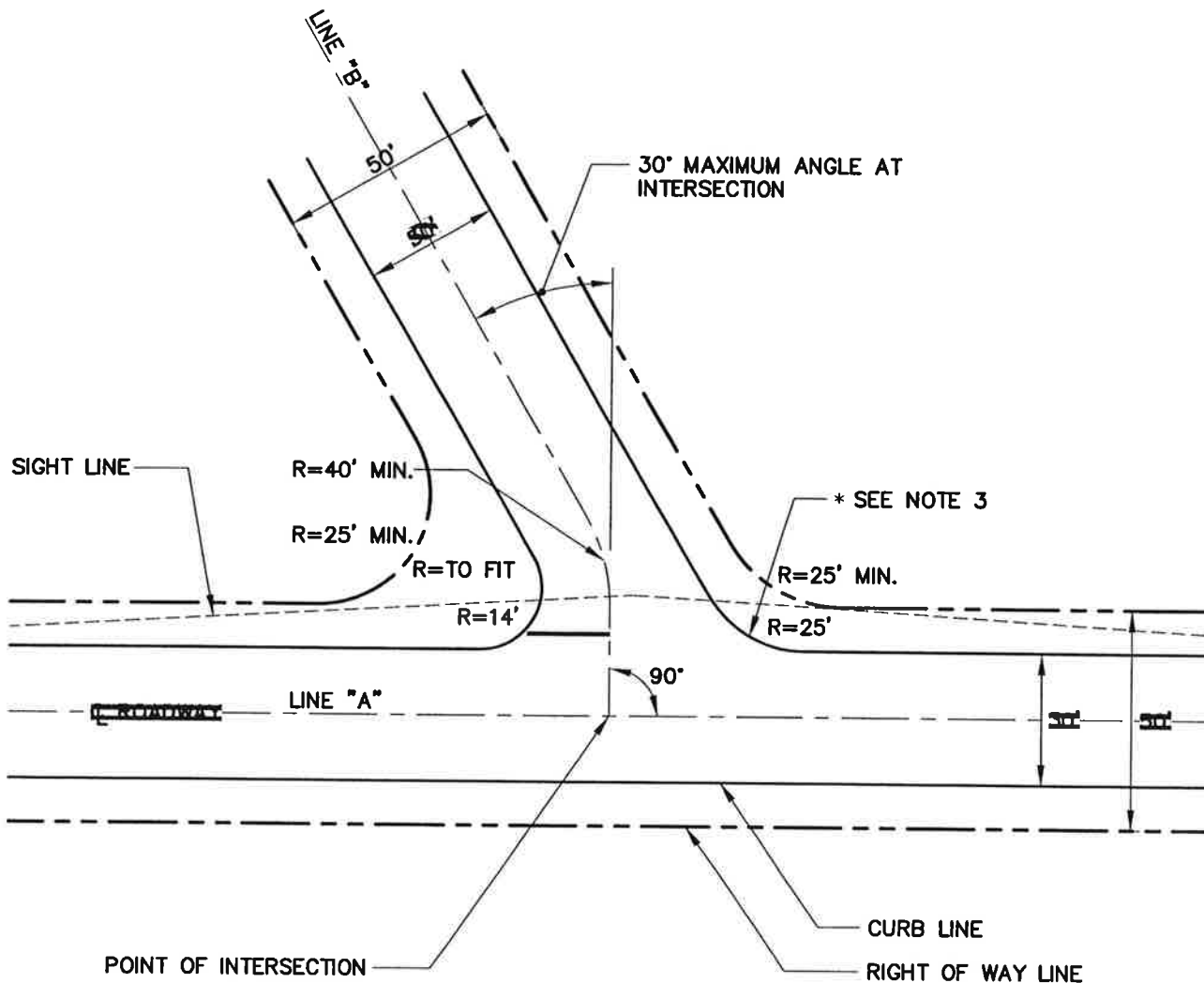
SCALE: NONE

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FIGURE 6



INTERSECTIONS AT ANGLES BETWEEN 0° AND 30° SHALL BE DESIGNED SO THAT
 (1) PROPER SIGHT DISTANCE IS ATTAINED. (2) TRAFFIC ONTO LINE "A" CAN
 STOP PERPENDICULAR TO LINE "A". (3) THE RADIUS WITH THE * DESIGNATION
 IS SUFFICIENT TO PROVIDE SMOOTH TURNING FROM LINE "A" TO LINE "B" BUT
 NOT GREAT ENOUGH TO ENCOURAGE EXCESSIVE SPEEDS.

STANDARD DETAIL DRAWING
MAXIMUM ANGLE INTERSECTION - CASE I

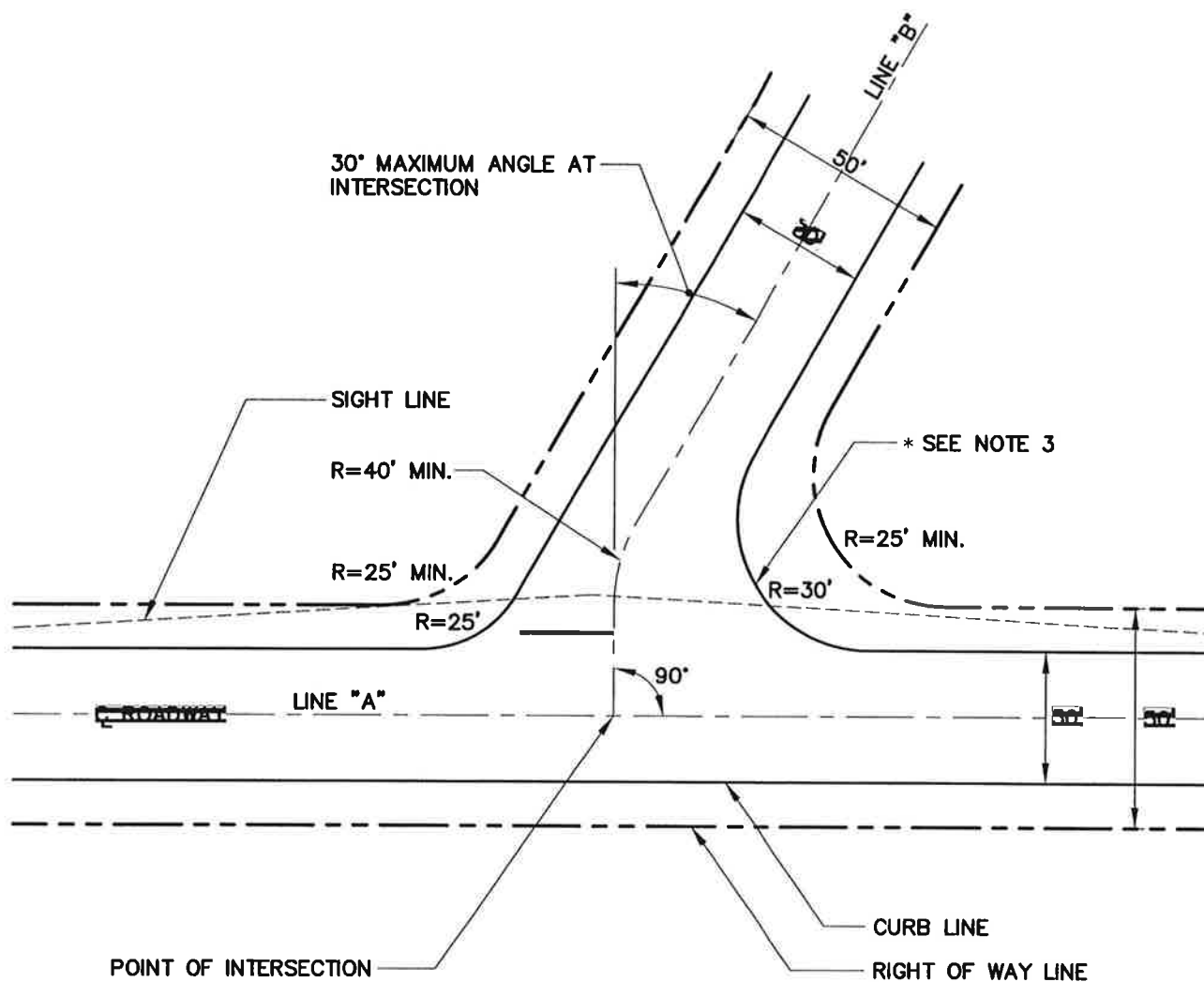
SCALE: NONE

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FIGURE 7



SEE NOTES 1, 2, AND 3
PERTAINING TO MAXIMUM ANGLE
INTERSECTION - CASE I

STANDARD DETAIL DRAWING
MAXIMUM ANGLE INTERSECTION - CASE II

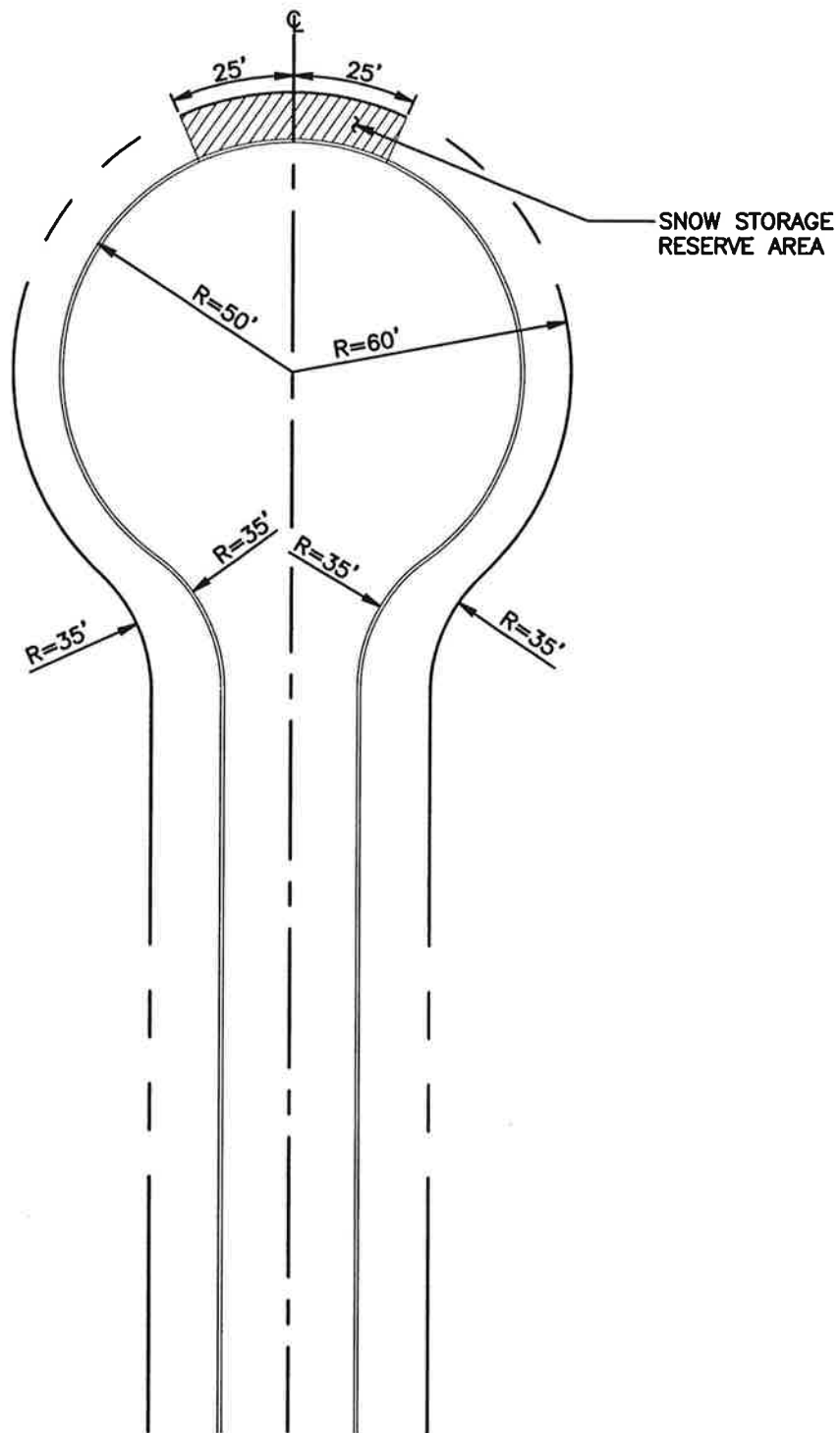
SCALE: NONE

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FIGURE 8



STANDARD DETAIL DRAWING
PERMANENT TURNAROUND (CIRCULAR)

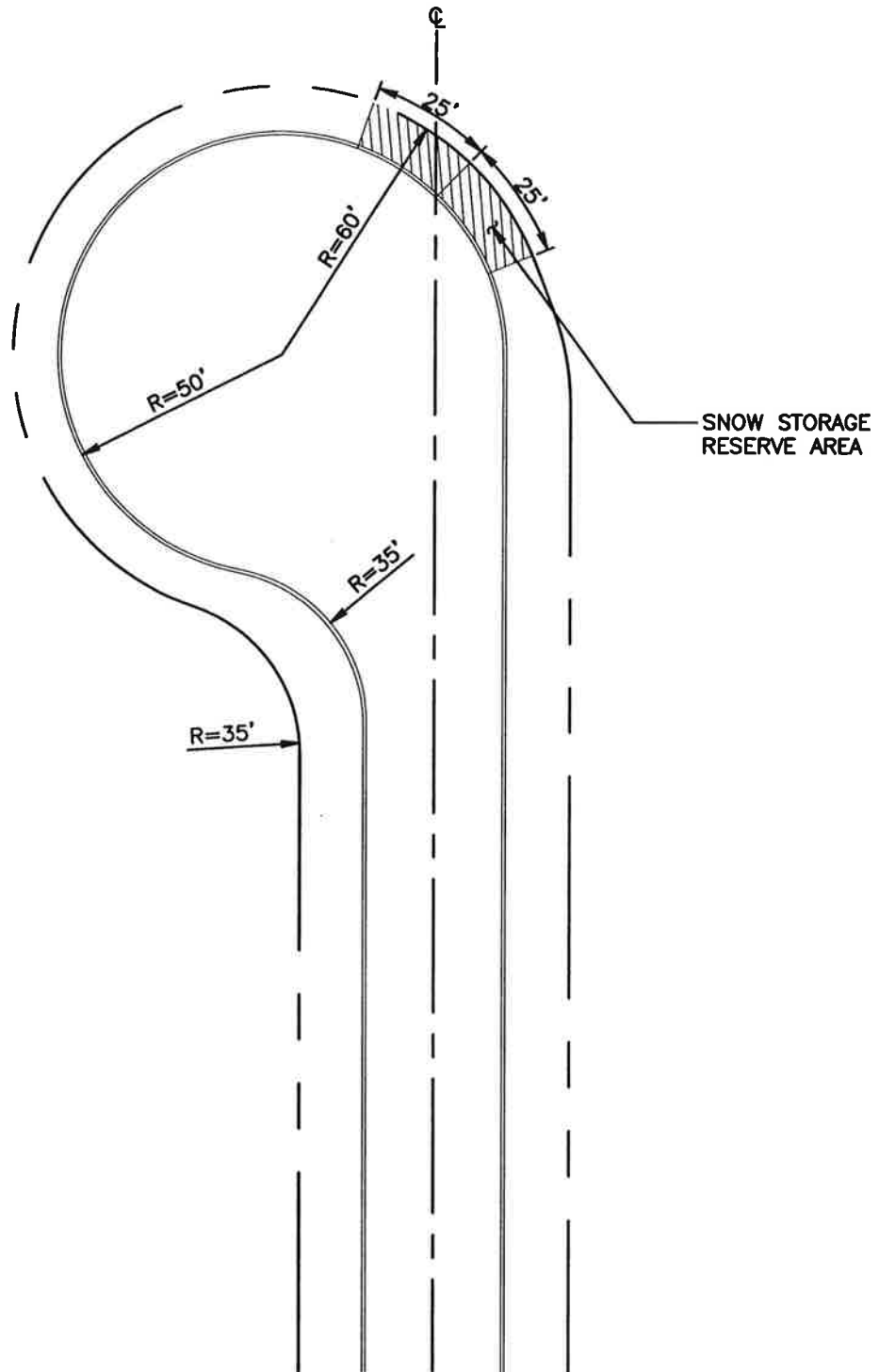
SCALE: 1"=40'

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FIGURE 9



STANDARD DETAIL DRAWING
PERMANENT TURNAROUND
(OFFSET)

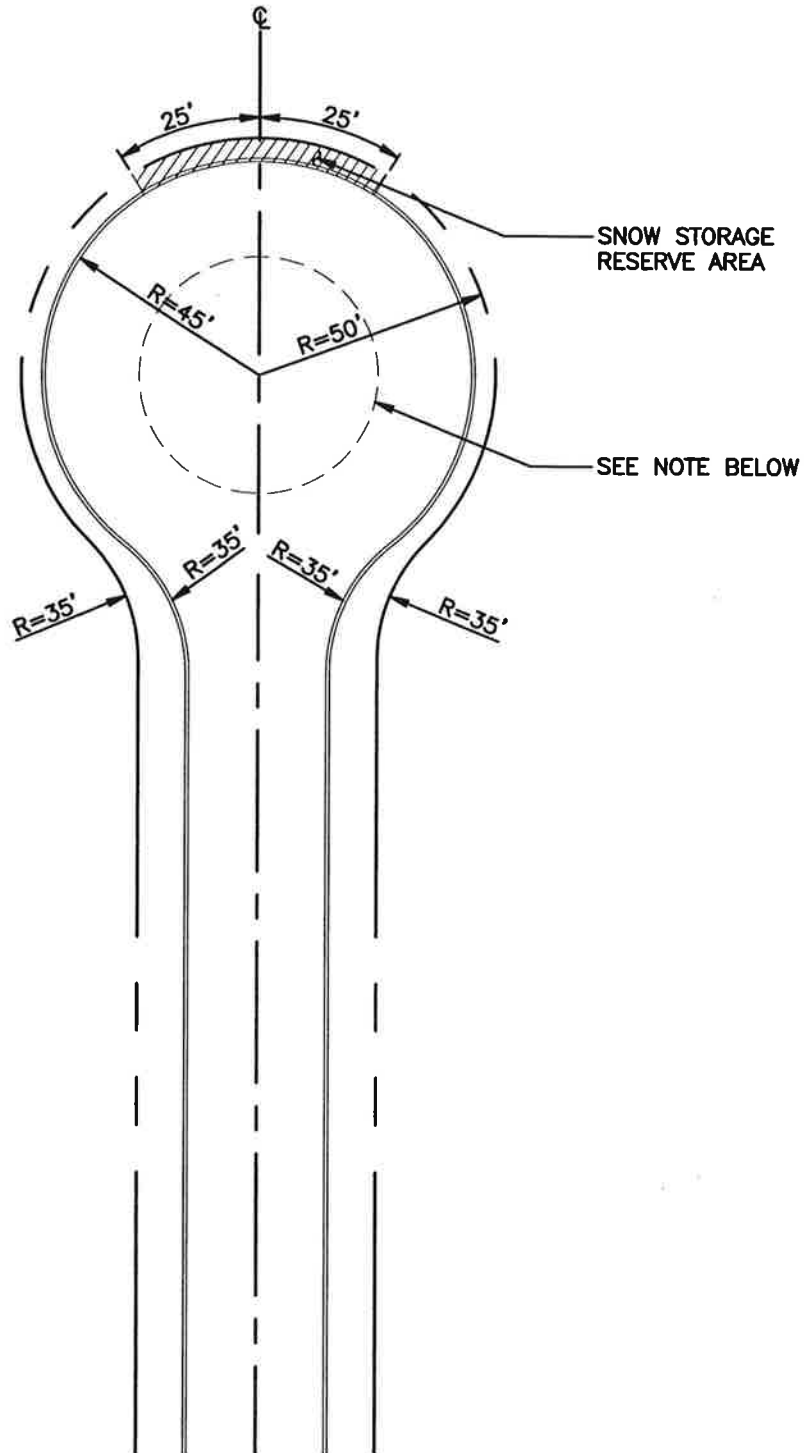
SCALE: 1"=40'

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FIGURE 10



NOTE: THE PLANNING AND ZONING COMMISSION MAY REQUIRE A CENTER ISLAND CIRCLED BY A STREET AT LEAST 20' WIDE.

STANDARD DETAIL DRAWING
TEMPORARY TURNAROUND (CIRCULAR)

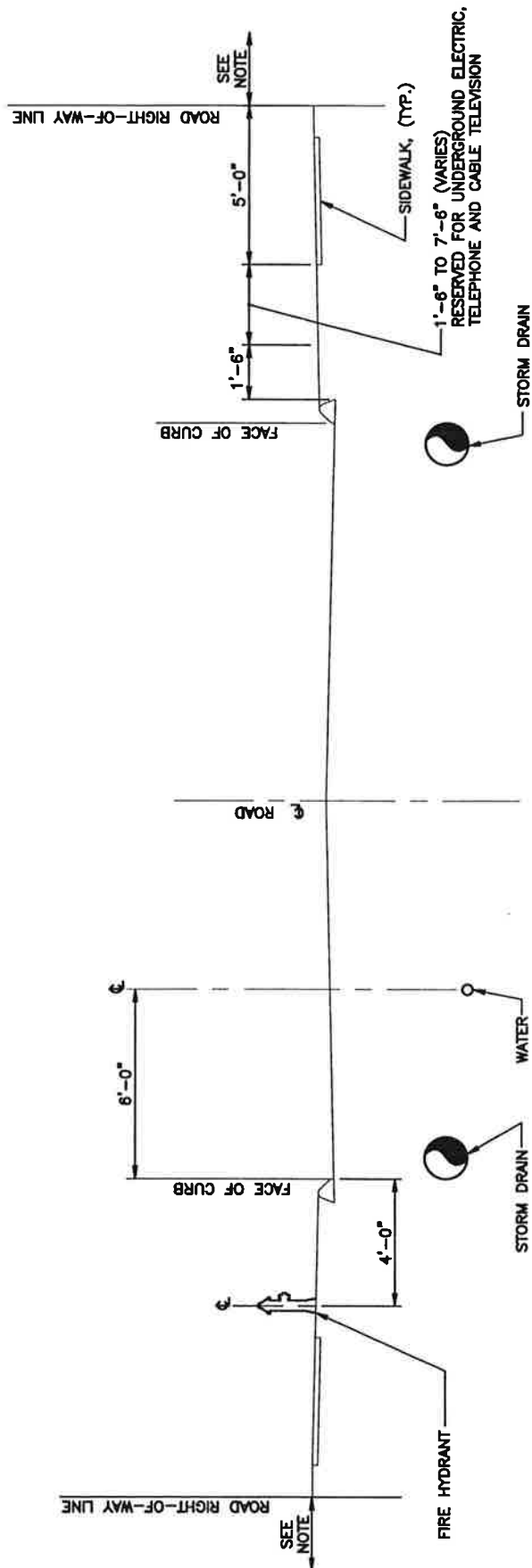
SCALE: 1"=40'

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FIGURE 11



NOTE:
ELECTRICAL TRANSFORMERS SHALL BE LOCATED OUTSIDE
OF THE ROAD RIGHT-OF-WAY.

STANDARD DETAIL DRAWING
UNDERGROUND UTILITY ASSIGNMENTS

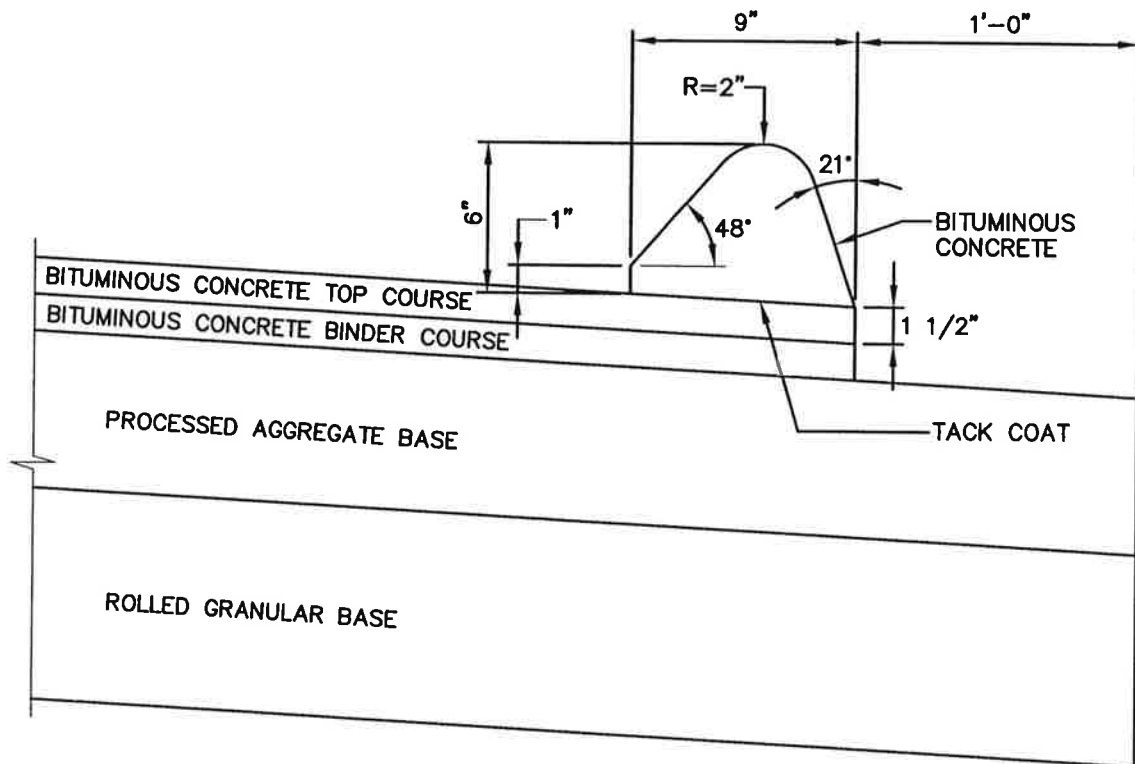
SCALE: NONE

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FIGURE 12



STANDARD DETAIL DRAWING
BITUMINOUS CONCRETE CURB

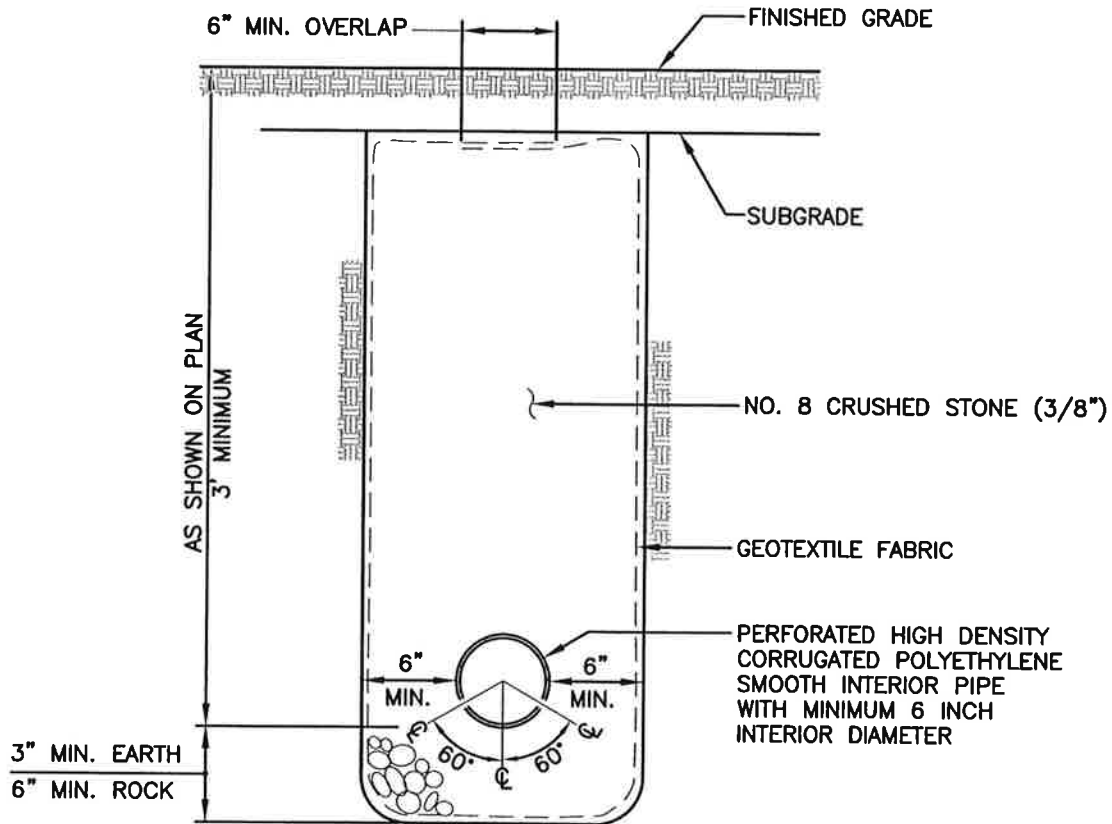
SCALE: NONE

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FIGURE 13



NOTES:

1. CONTRACTOR SHALL PROTECT EXCAVATIONS BY SHORING, BRACING, SHEET PILING, UNDERPINNING OR OTHER METHODS TO PREVENT CAVE-IN OR LOOSE SOIL FROM FALLING INTO THE EXCAVATION AND DAMAGING THE WORK OR ADJACENT STRUCTURES AND UTILITIES.

STANDARD DETAIL DRAWING

UNDERDRAIN

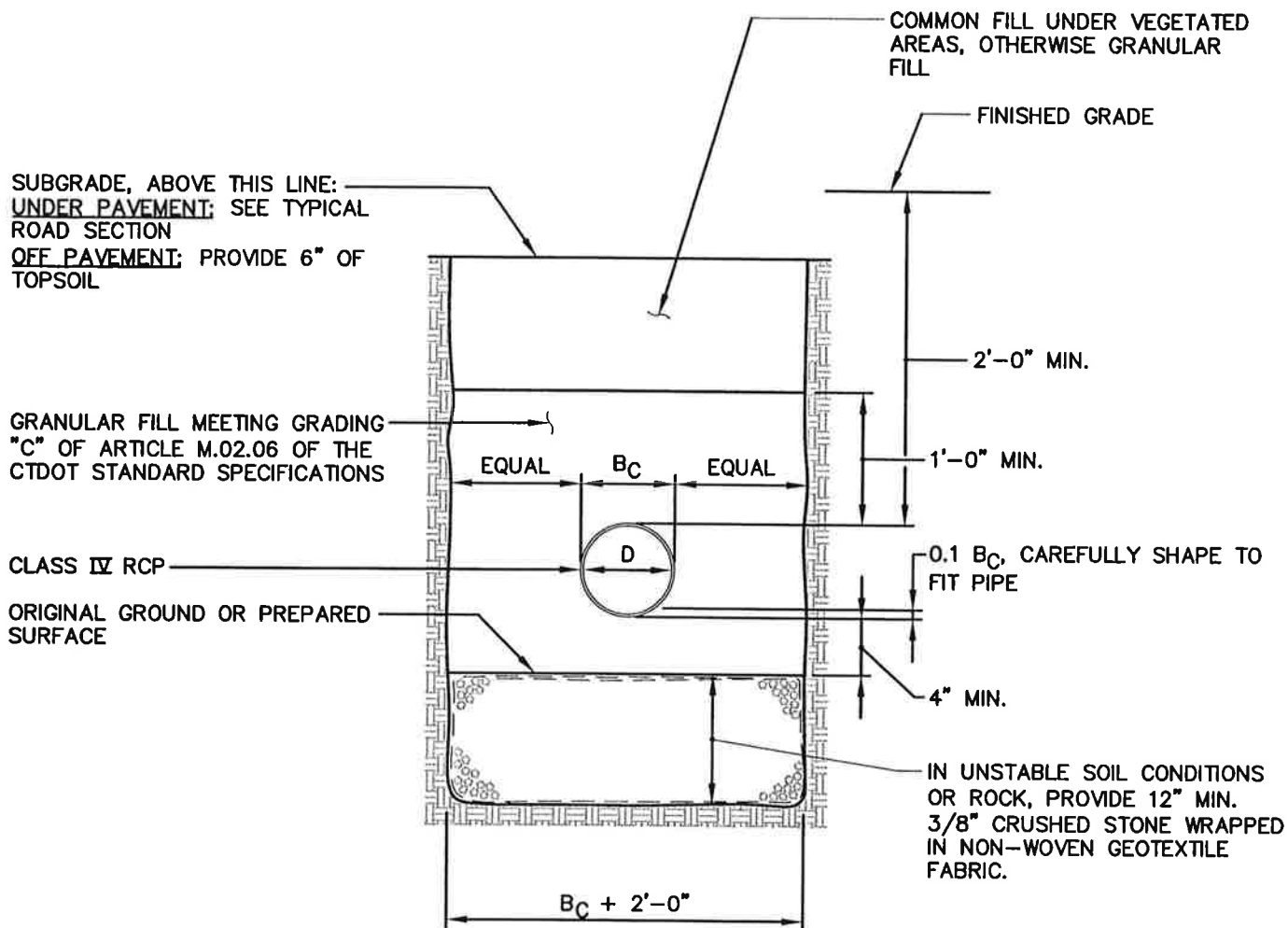
SCALE: NONE

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FIGURE 14



NOTES:

1. CONTRACTOR SHALL PROTECT EXCAVATIONS BY SHORING, BRACING, SHEET PILING, UNDERPINNING OR OTHER METHODS TO PREVENT CAVE-IN OR LOOSE SOIL FROM FALLING INTO THE EXCAVATION AND DAMAGING THE WORK OR ADJACENT STRUCTURES AND UTILITIES.

STANDARD DETAIL DRAWING
STORM TRENCH SECTION
REINFORCED CONCRETE PIPE

SCALE: NONE

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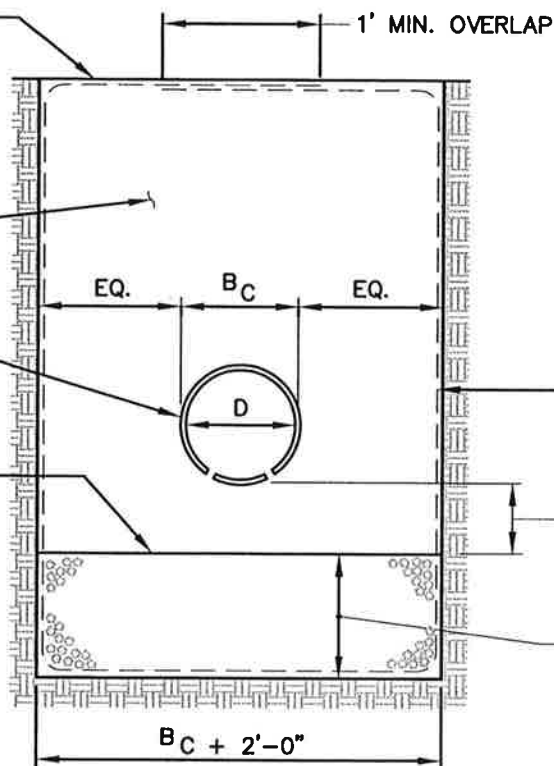
FIGURE 15

SUBGRADE, ABOVE THIS LINE:
 UNDER PAVEMENT: SEE TYPICAL
 ROAD SECTION
 OFF PAVEMENT: PROVIDE 6" OF
 TOPSOIL

NO. 8 CRUSHED STONE (3/8")

SLOTTED RCP OR
 PERFORATED HIGH DENSITY
 CORRUGATED POLYETHYLENE
 SMOOTH INTERIOR PIPE

ORIGINAL GROUND OR PREPARED
 SURFACE



NON-WOVEN GEOTEXTILE
 FABRIC

4" MIN.

IN UNSTABLE SOIL
 CONDITIONS OR ROCK,
 PROVIDE 12" MIN. 3/8"
 CRUSHED STONE
 WRAPPED IN NON-WOVEN
 GEOTEXTILE FABRIC

NOTES:

1. CONTRACTOR SHALL PROTECT EXCAVATIONS BY SHORING, BRACING, SHEET PILING, UNDERPINNING OR OTHER METHODS TO PREVENT CAVE-IN OR LOOSE SOIL FROM FALLING INTO THE EXCAVATION AND DAMAGING THE WORK OR ADJACENT STRUCTURES AND UTILITIES.

STANDARD DETAIL DRAWING
STORM TRENCH SECTION
SLOTTED PERFORATED STORM DRAIN

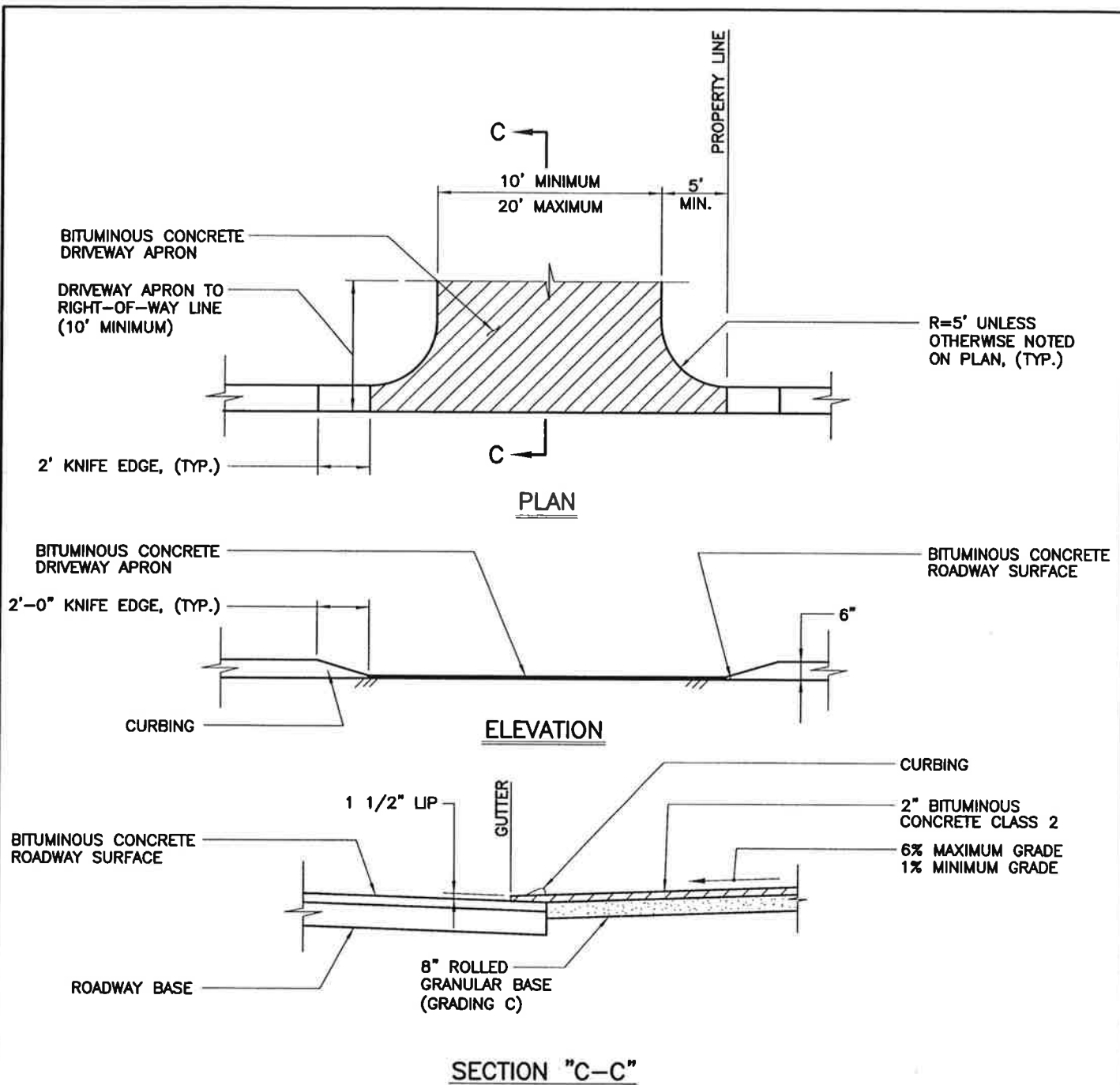
SCALE: NONE

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FIGURE 16



NOTE: FOR COMMON DRIVEWAYS THE MINIMUM PAVEMENT WIDTH SHALL BE EIGHTEEN (18) FEET AND THE ROAD SECTION SHALL CONFORM TO THE REQUIREMENTS FOR A LOCAL ROAD. (SEE FIGURE 3).

STANDARD DETAIL DRAWING

DRIVEWAY APRON

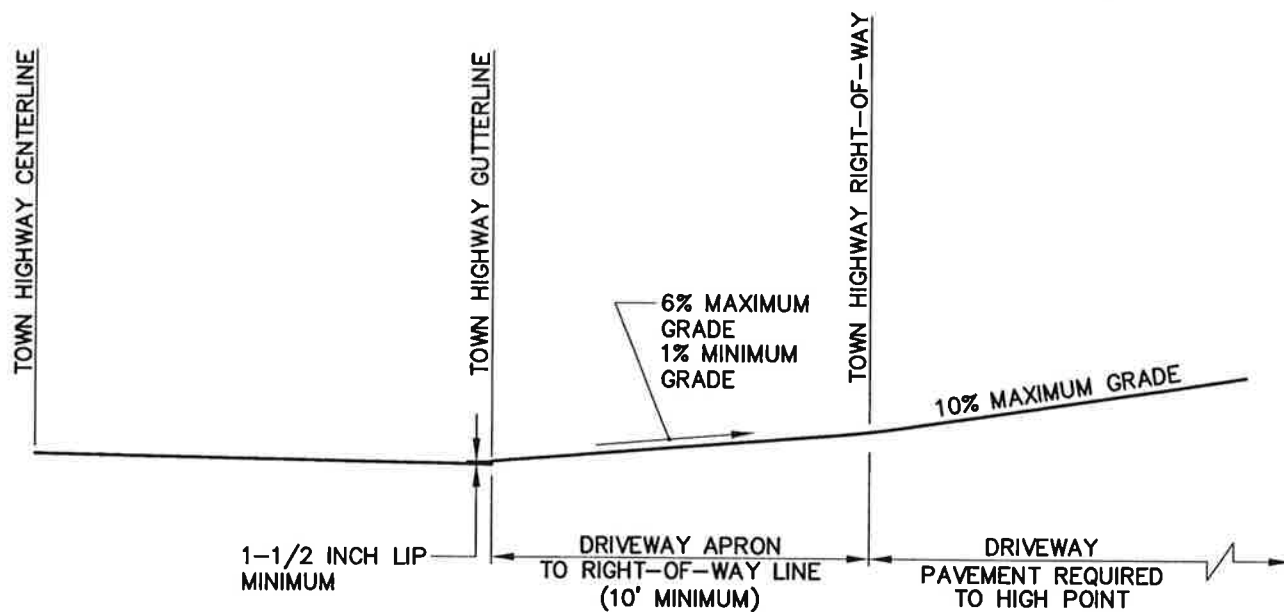
SCALE: NONE

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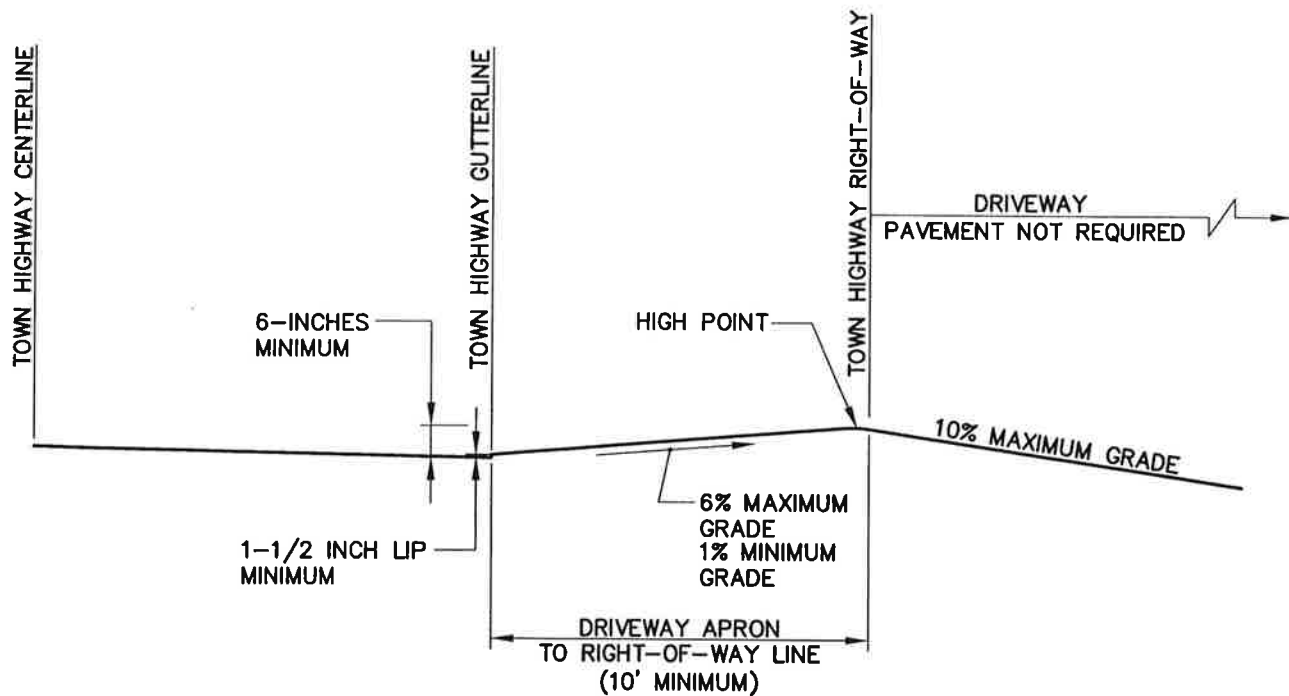
DATE: JULY 1, 2004

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FIGURE 17



ASCENDING DRIVEWAY



DESCENDING DRIVEWAY

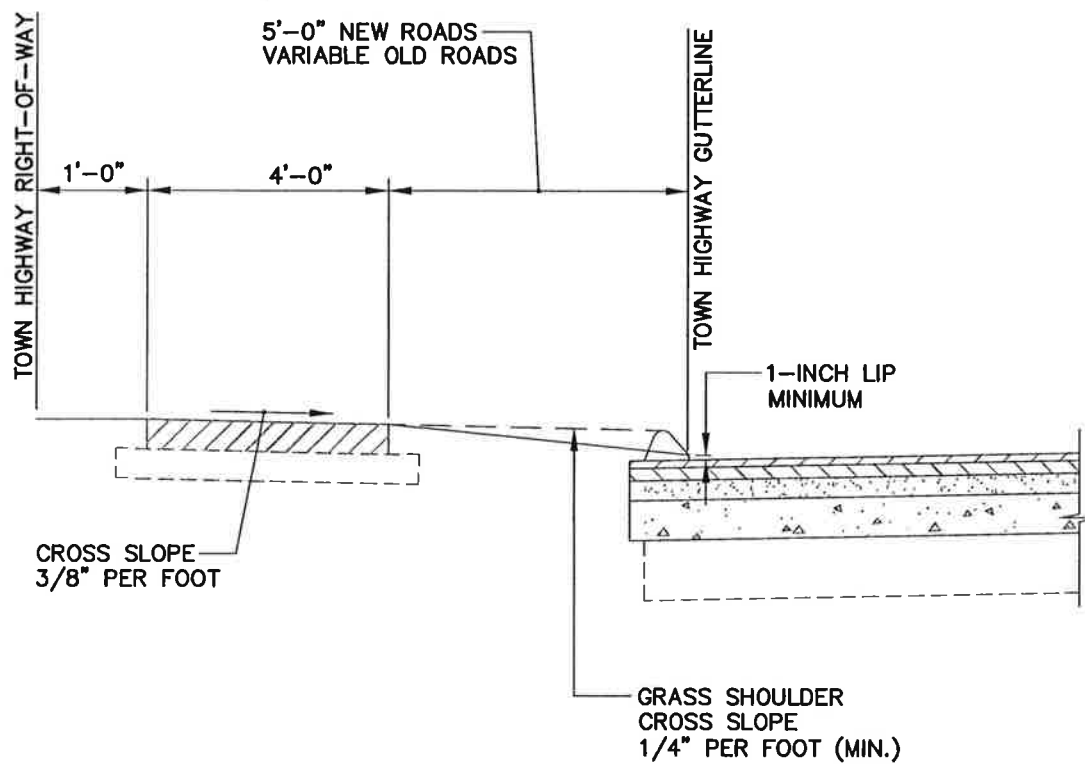
STANDARD DETAIL DRAWING
DRIVEWAY PROFILES

SCALE: NONE

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STANDARD DETAIL DRAWING
DRIVEWAY APRON WITH SIDEWALK

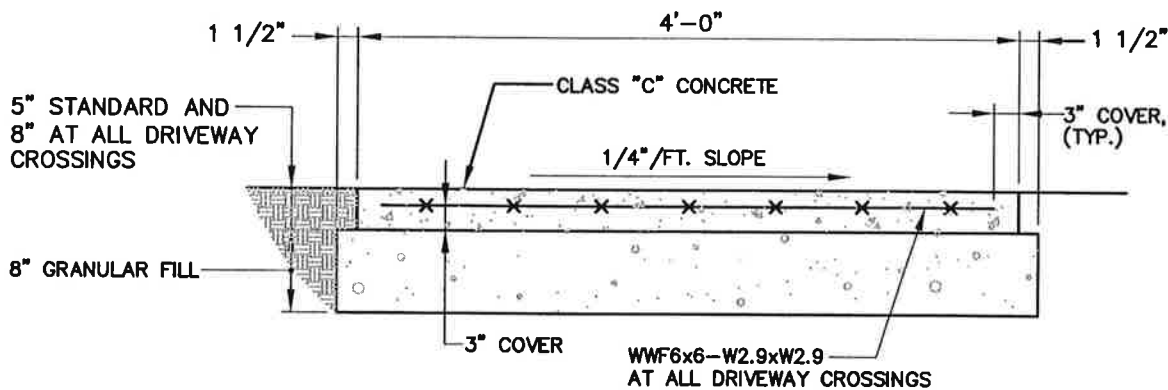
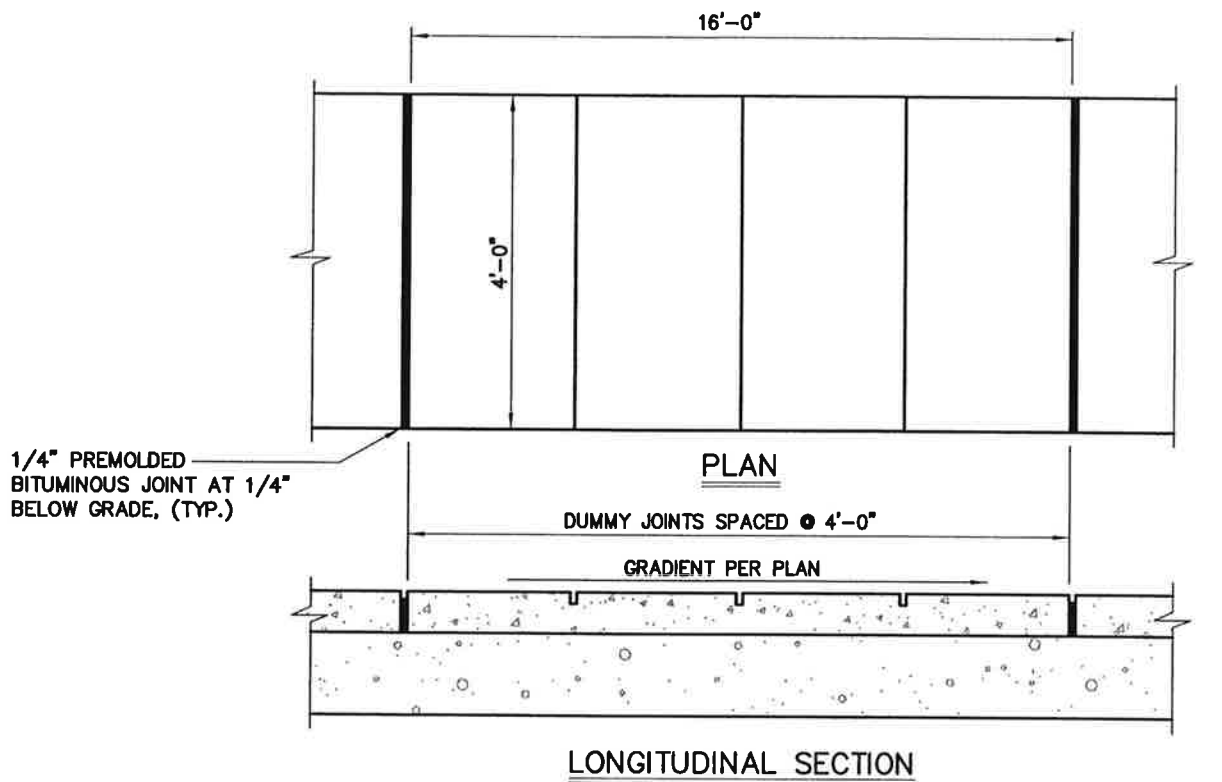
SCALE: NONE

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FIGURE 19



NOTES:

1. PROVIDE TRANSVERSE BROOM FINISH.
2. OUTSIDE EDGES OF SLAB AND ALL JOINTS TO BE EDGED WITH A 1/4" RADIUS EDGING TOOL.

STANDARD DETAIL DRAWING
CONCRETE SIDEWALK

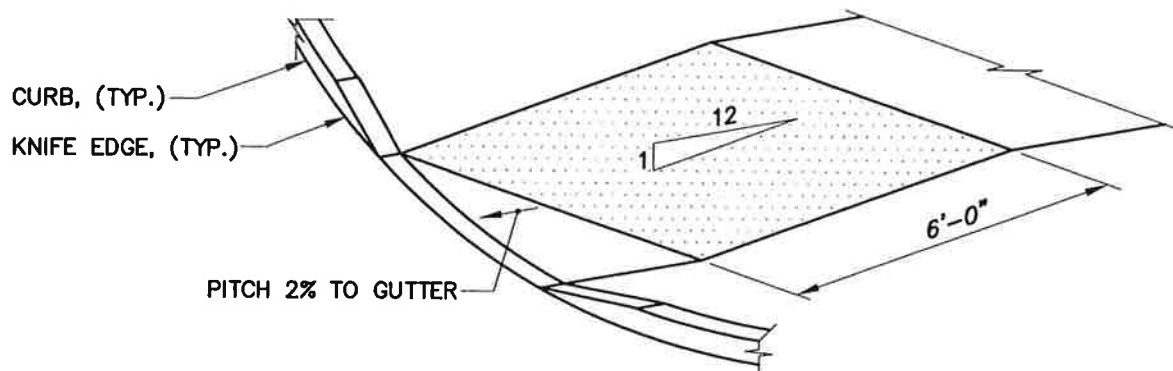
SCALE: NONE

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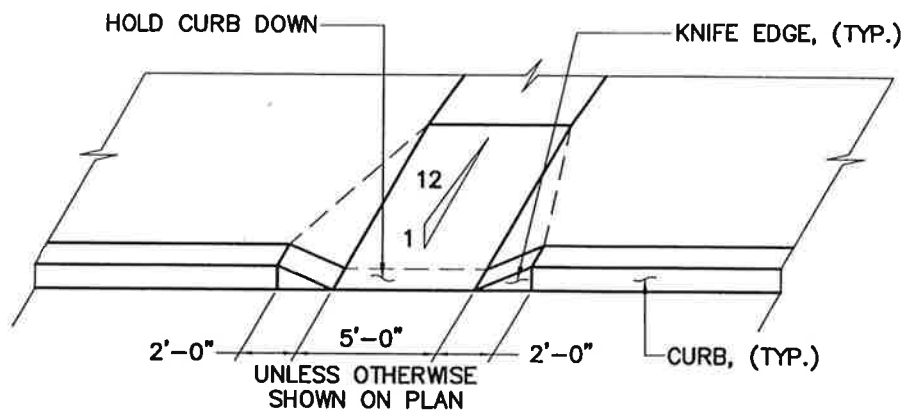
REVISIONS:

FIGURE 20



NOTES:

1. ORIENTATION OF RAMP SHALL BE AS SHOWN ON PLAN.



STANDARD DETAIL DRAWING

CURB RAMP-TYPE I

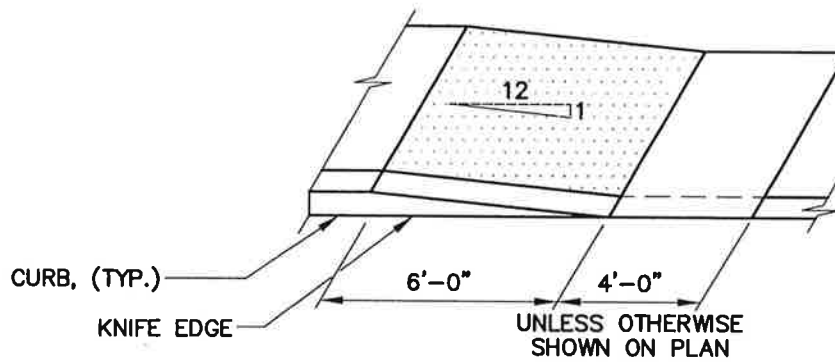
SCALE: NONE

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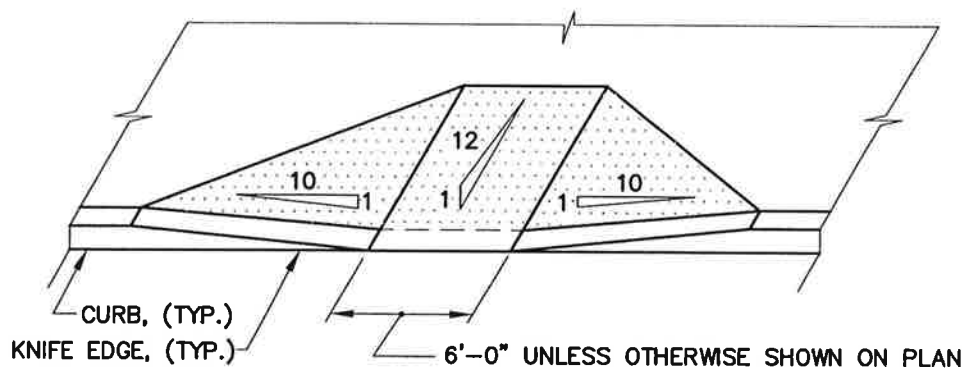
FIGURE 21



TYPE II

NOTES:

1. ORIENTATION OF RAMP SHALL BE AS SHOWN ON PLAN.



TYPE III

STANDARD DETAIL DRAWING **CURB RAMP-TYPE II & III**

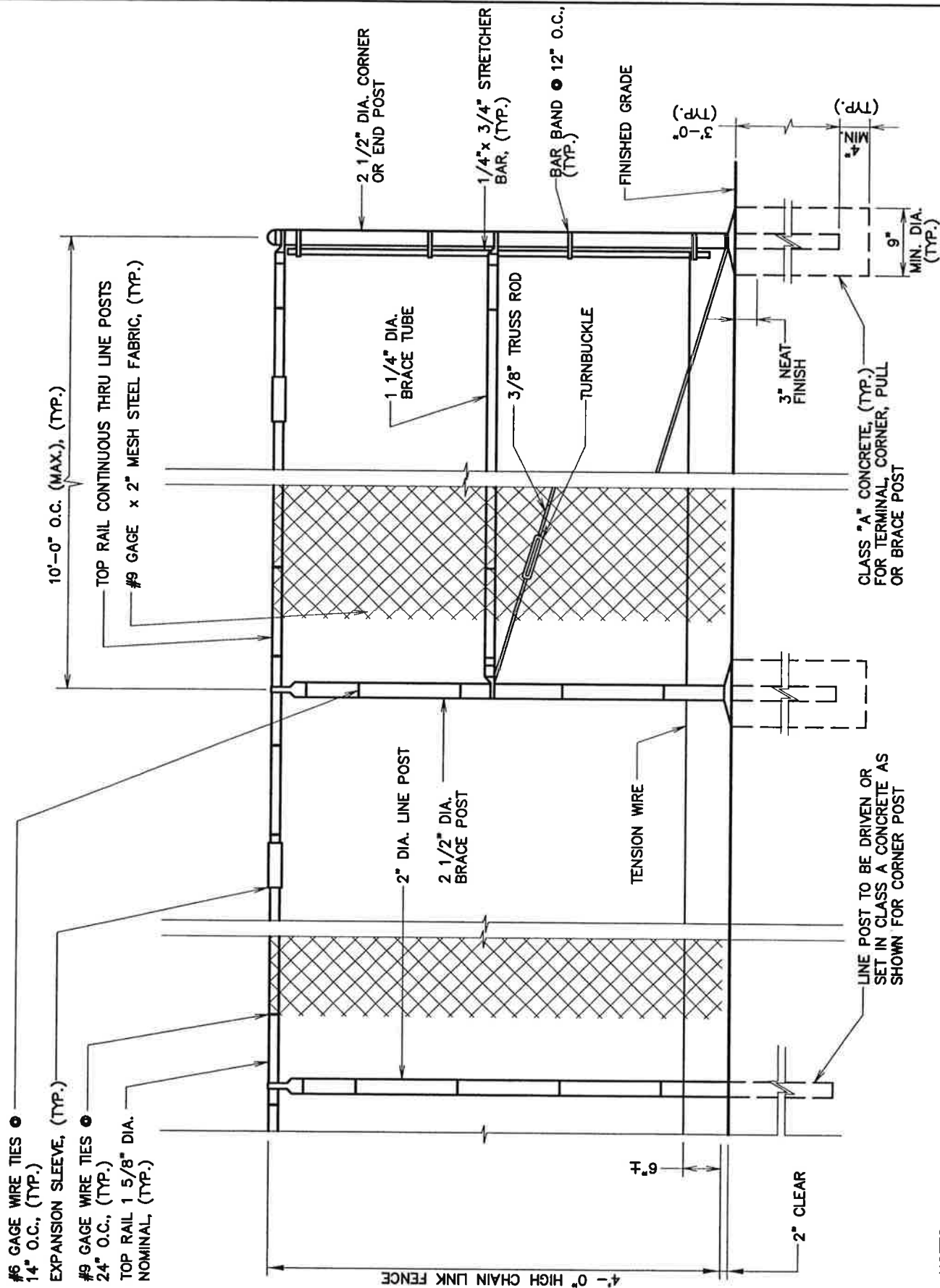
SCALE: NONE

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FIGURE 22



- NOTES:
- GRADE OF FENCE TO BE PARALLEL WITH THE GRADE OF PAVEMENT, CURBING OR GROUND.
 - LINE POSTS TO BE SPACED 10'-0" C TO C MAXIMUM.

STANDARD DETAIL DRAWING
CHAIN LINK FENCE

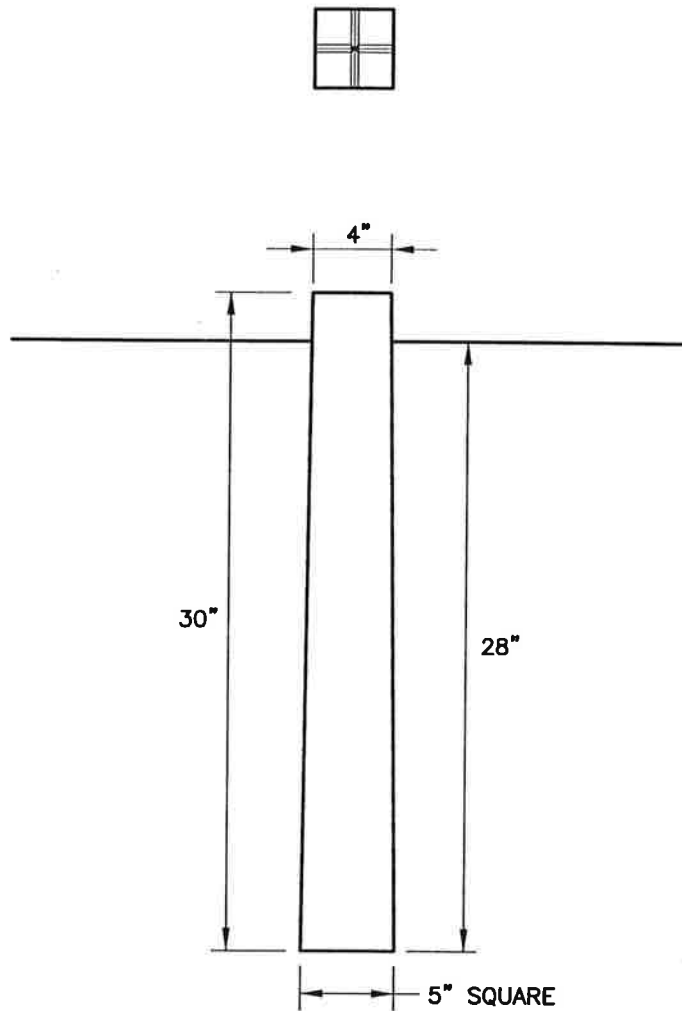
SCALE: NONE

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FIGURE 23



NOTE: IF LEDGE IS ENCOUNTERED, A BRASS PLUG 1/2" DIA. X 3" LONG SHALL BE SET IN THE LEDGE AND SECURED WITH PORTLAND CEMENT MORTAR.

STANDARD DETAIL DRAWING
CONCRETE MONUMENT

SCALE: NONE

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FIGURE 24