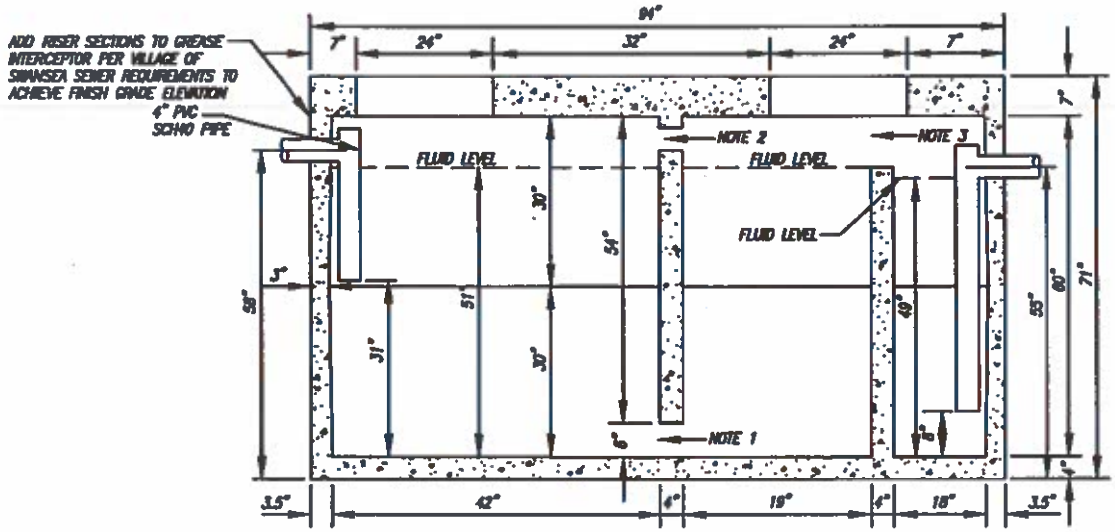
Illustrations

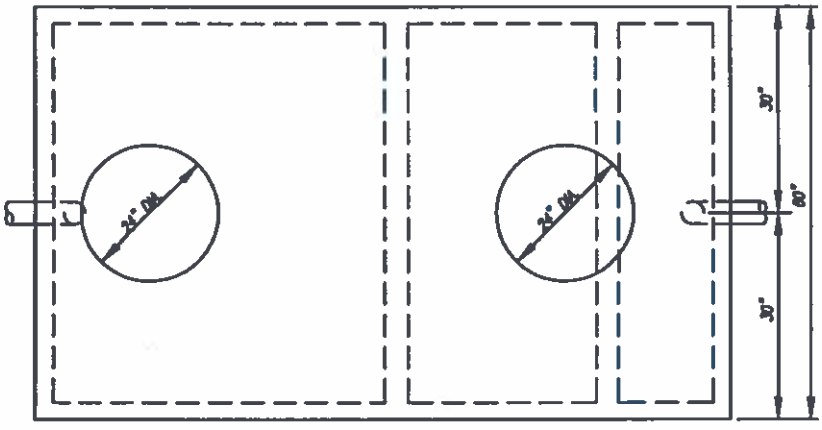
1000 Gallon Reinforced Concrete Grease Interceptor

EXCAVATION SIZE: 9'L x 6'W



SIDE SECTION

NOTE 1: 6"H x 32"W OPENING AT BOTTOM CENTERED
NOTE 2: 2-4" DIAMETER HOLES - 2" DOWN - 4" OFF CENTER - 8" BETWEEN HOLES
NOTE 3: 9"H x 24"W OPENING AT TOP CENTERED



TOP VIEW

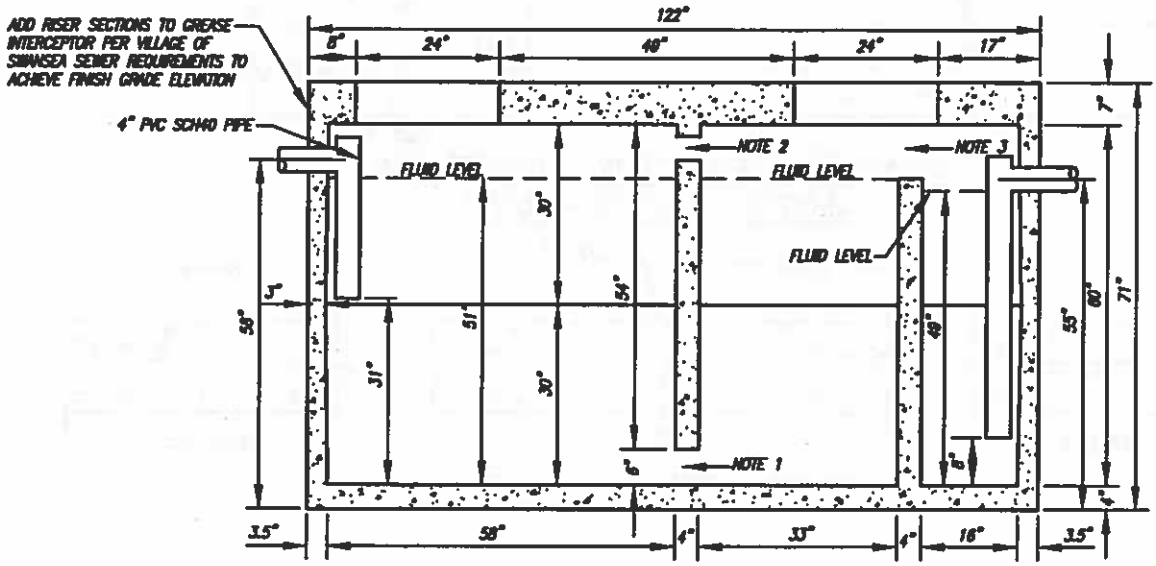
WEIGHT: 14,670 LBS

NOTE:
THIS TANK IS NOT DESIGNED FOR VEHICULAR TRAFFIC. IF USED IN TRAFFIC AREAS A REINFORCED CONCRETE SLAB MUST SPAN THE TANK AND OVERDIG TO PROTECT THE TANK.

OPTIONS:
GRADE RISERS (DONUTS) FRAME & COVERS LARGER INLET & OUTLET
BIO-GEM ENZYME ADDITIVE SEALANT

1500 Gallon Reinforced Concrete Grease Interceptor

EXCAVATION SIZE: 11'L x 7'W



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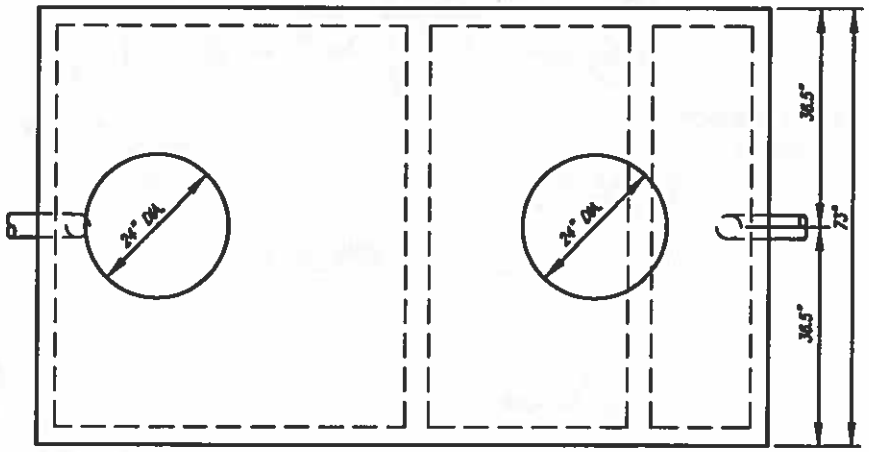

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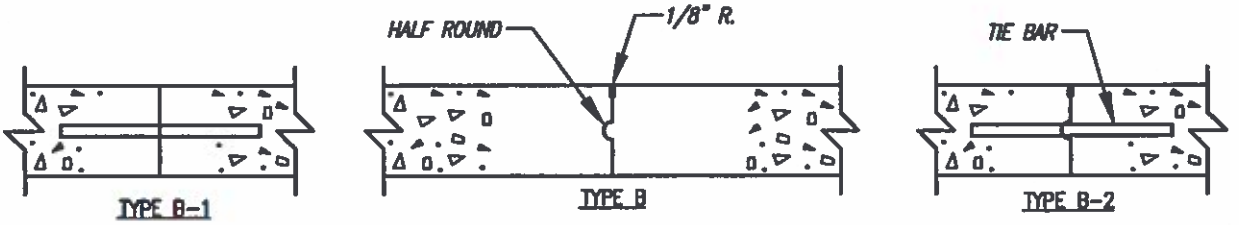
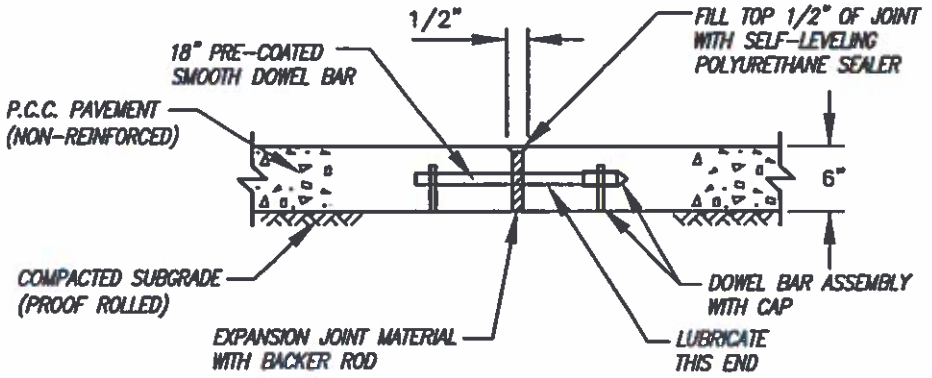
OPTIONS:
GRADE RISERS (DONUTS) FRAME & COVERS
LARGER INLET & OUTLET BIO-GEM ENZYME ADDITIVE
SEALANT

Pavement Joints

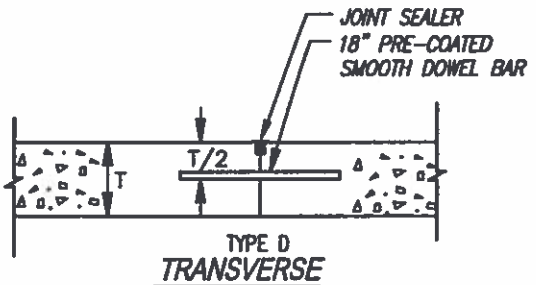
TRANSVERSE CONTRACTION OR LONGITUDINAL JOINT; SAWED OR PREMOLDED



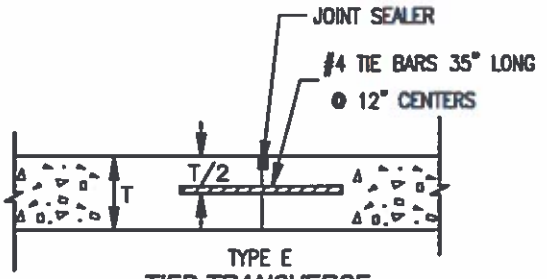
LONGITUDINAL CONSTRUCTION JOINT



EXPANSION JOINT DETAIL



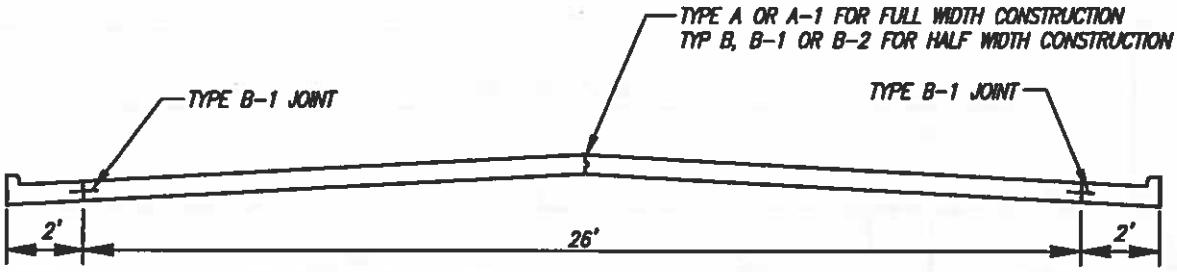
TRANSVERSE CONSTRUCTION JOINT



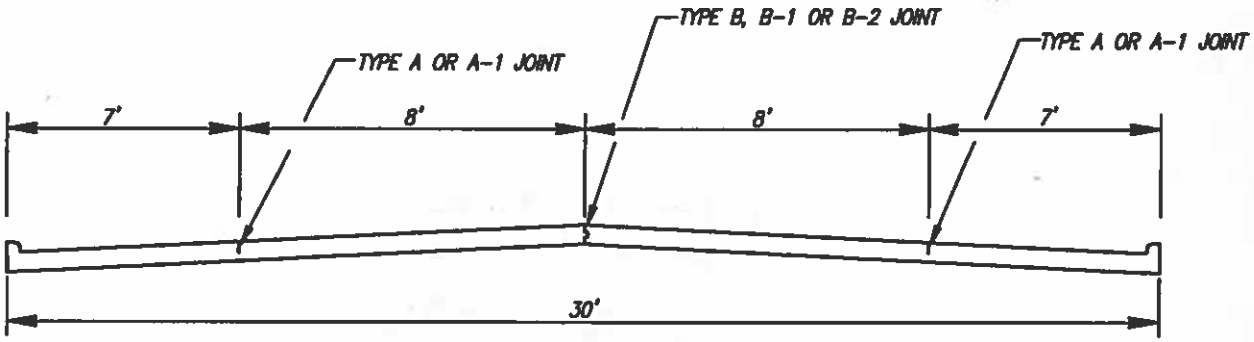
TIED TRANSVERSE CONSTRUCTION JOINT

(USE WHEN NOT AT JOINT LOCATION)

Rigid Pavement Cross-Section

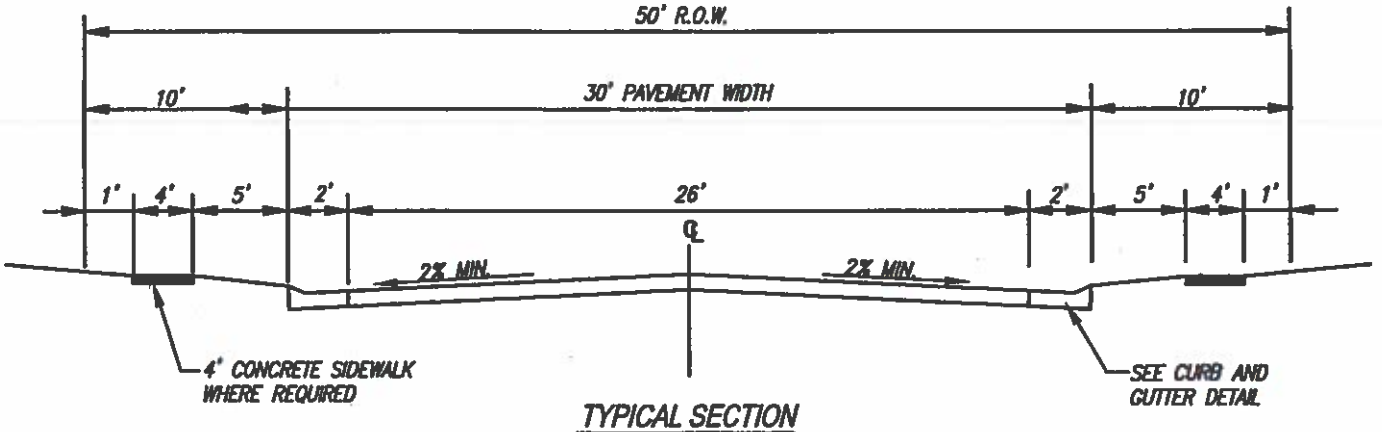


CURB & GUTTER CONSTRUCTED SEPARATELY FROM PAVEMENT

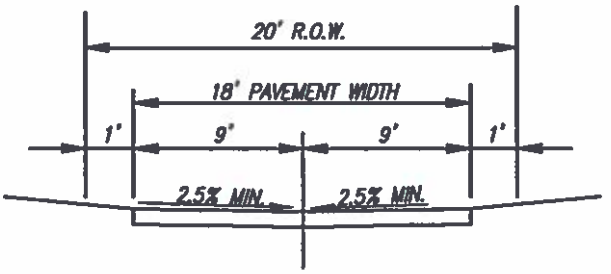


CURB & GUTTER CONSTRUCTED INTEGRALLY WITH PAVEMENT

Typical Street Section

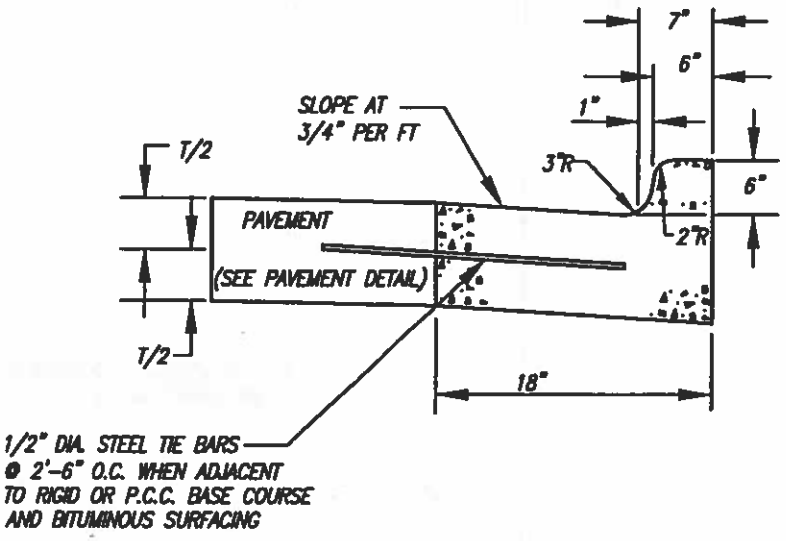


TYPICAL SECTION
LAND ACCESS STREET

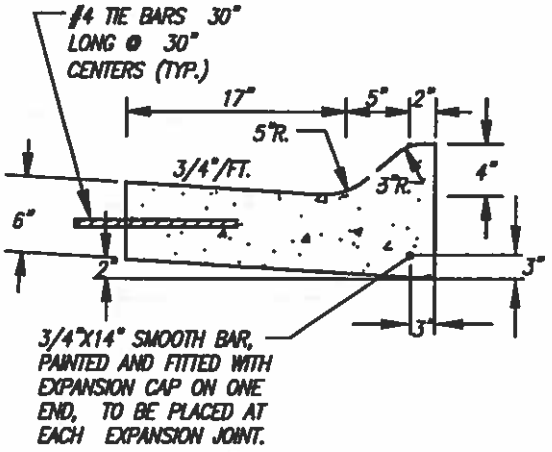


TYPICAL SECTION
ALLEY

Typical Curb & Gutter



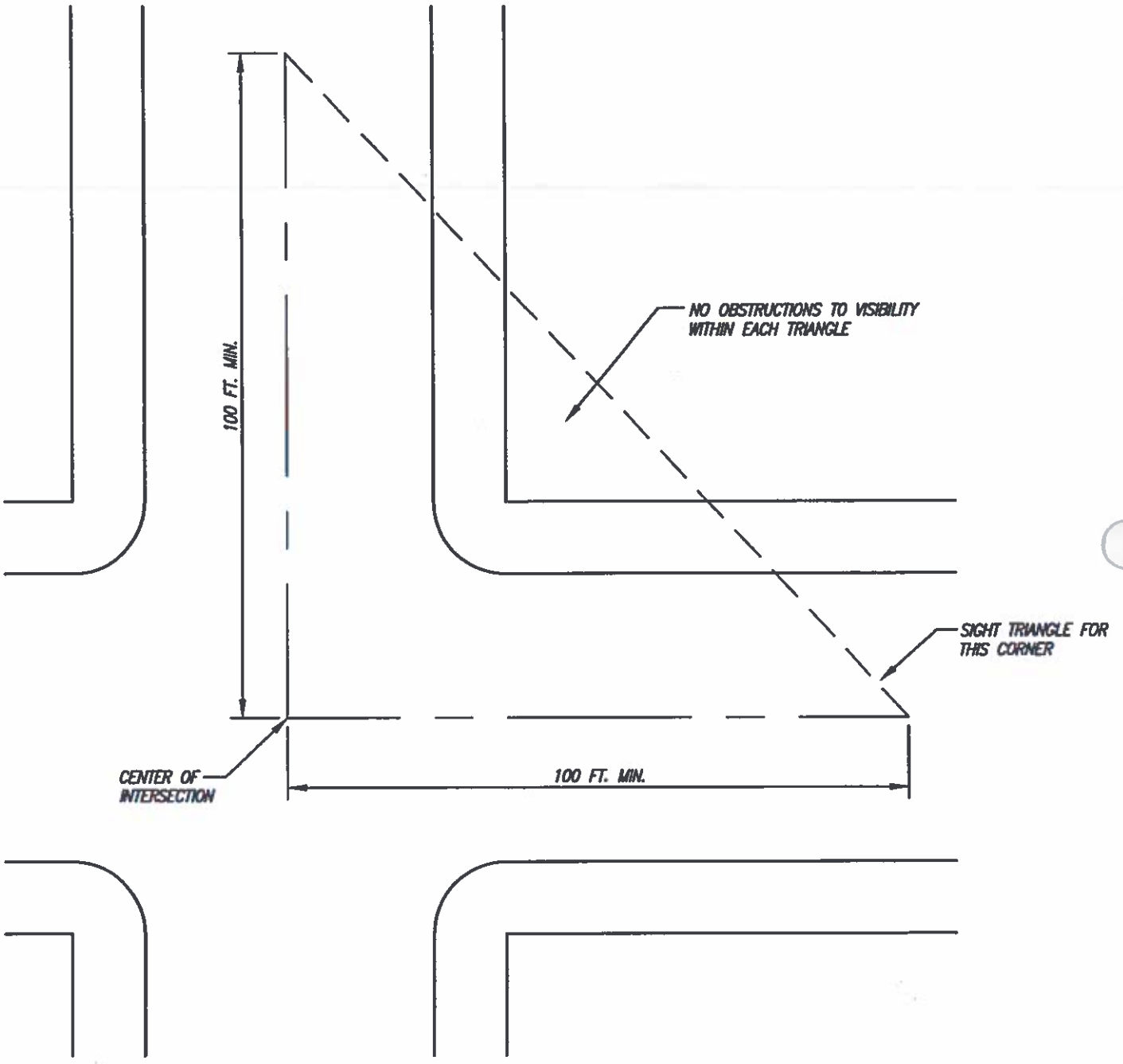
VERTICAL CURB & GUTTER



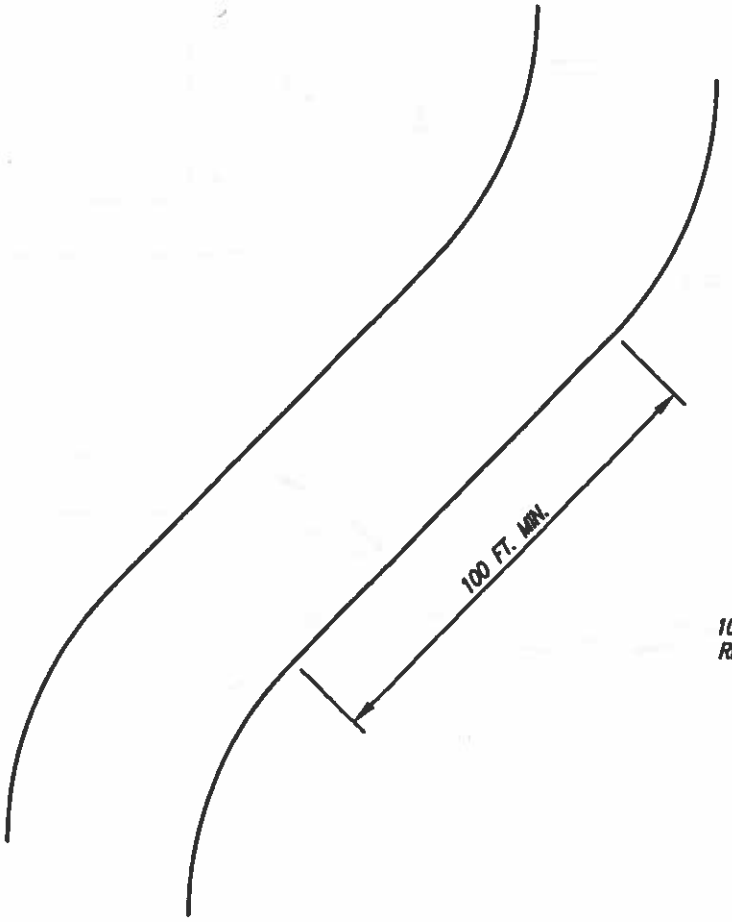
MOUNTABLE CURB & GUTTER

WITH MONOLITHIC POUR,
BARS NOT NEEDED

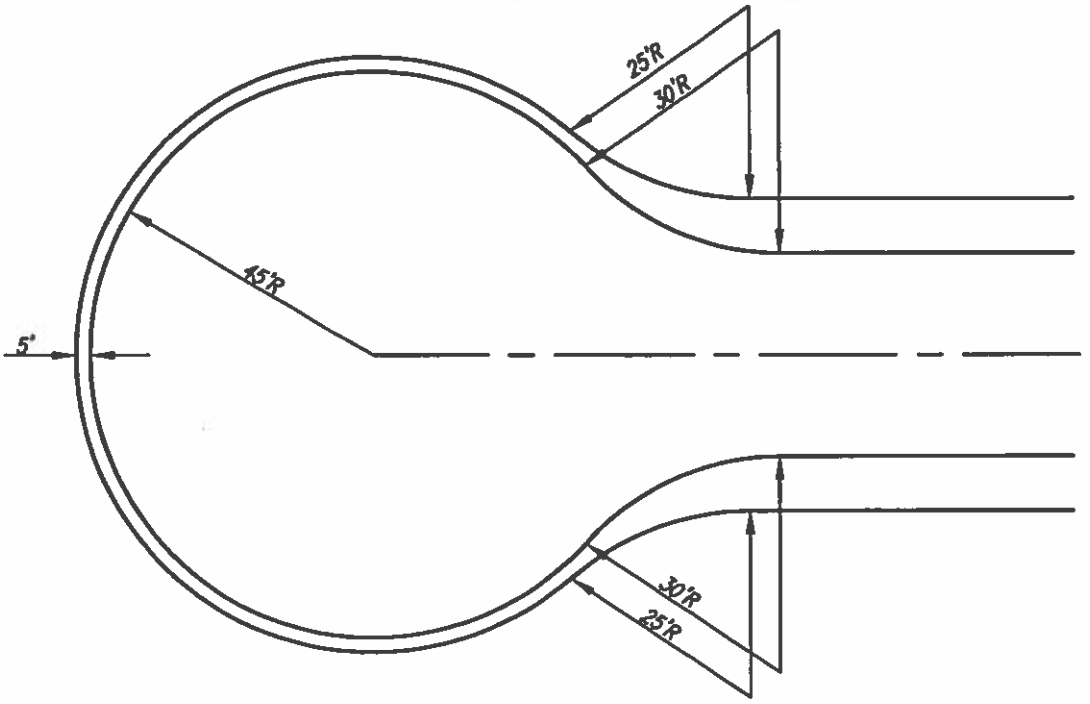
Minimum Sight Lines At Intersection



Minimum Reverse Curves

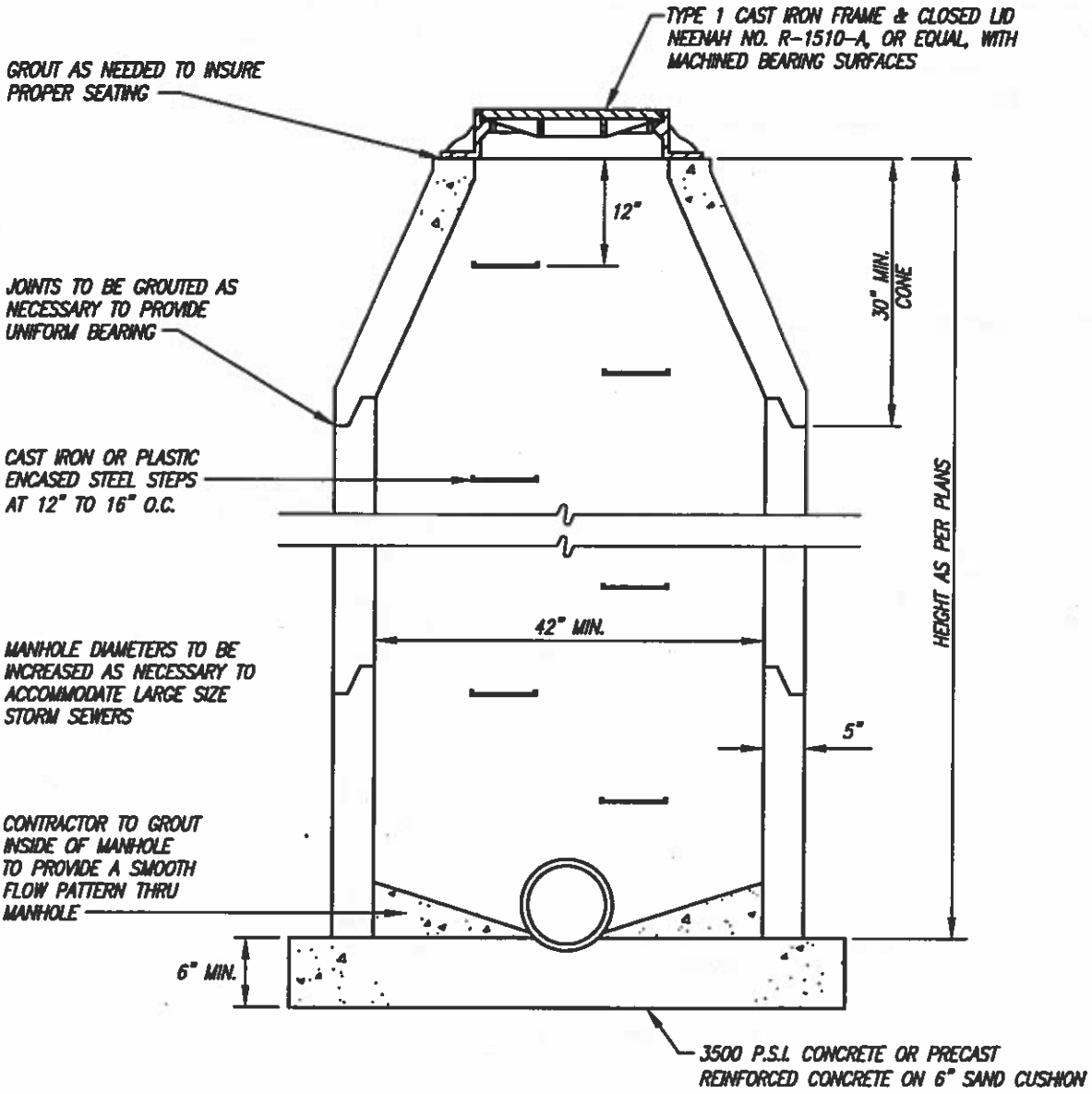


Typical Cul-De-Sac



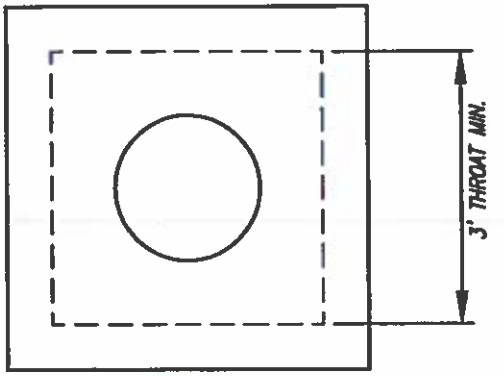
Type 1 Storm Sewer Manhole
for use with paved surfaces

NOTE:
THE TOP SECTION MAY BE EITHER THE CONCENTRIC TYPE SHOWN, OR THE ECCENTRIC TYPE, AS FIELD CONDITIONS WARRANT. AT LOCATIONS WHERE VERTICAL CLEARANCE DOES NOT PERMIT THE USE OF A CONE, A PROPERLY REINFORCED CONCRETE FLAT TOP LID MAY BE USED IN LIEU OF THE CONE.

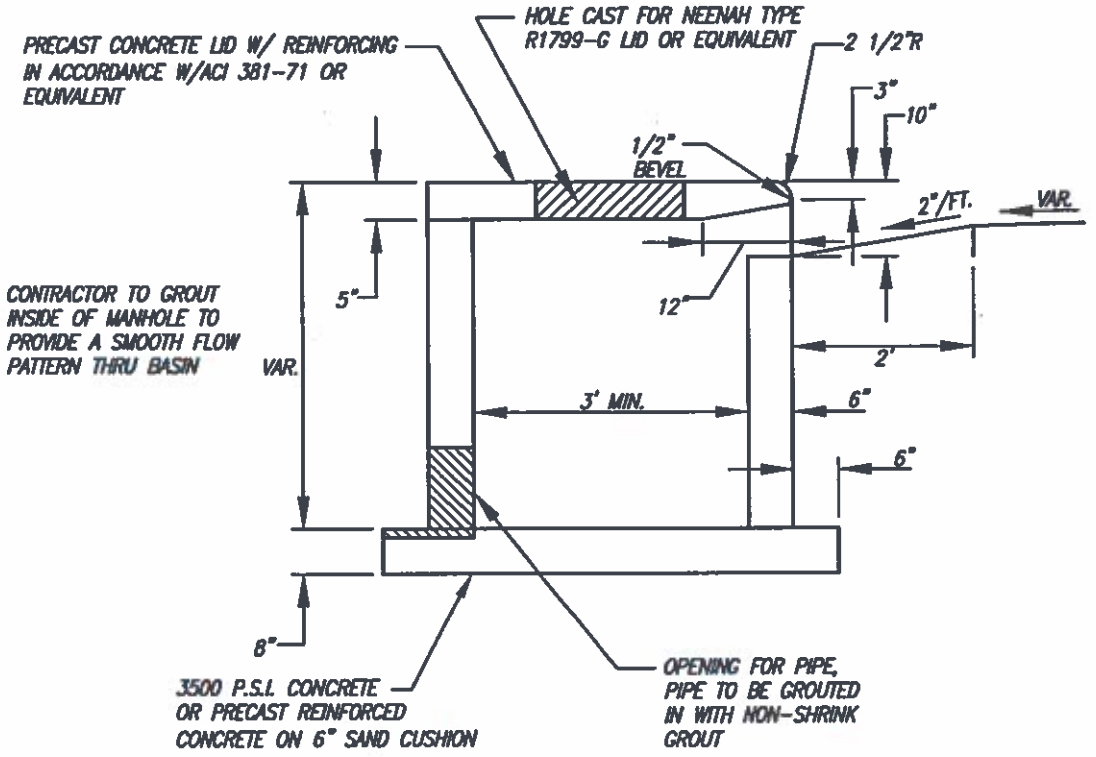


Standard Catch Basin

ALTERNATE MATERIALS FOR INLET WALLS	THICKNESS (T) (MINIMUM)
CONCRETE MASONRY	5"
BRICK MASONRY	8"
PRECAST CONCRETE	6"
CAST IN PLACE CONC.	6"



PLAN

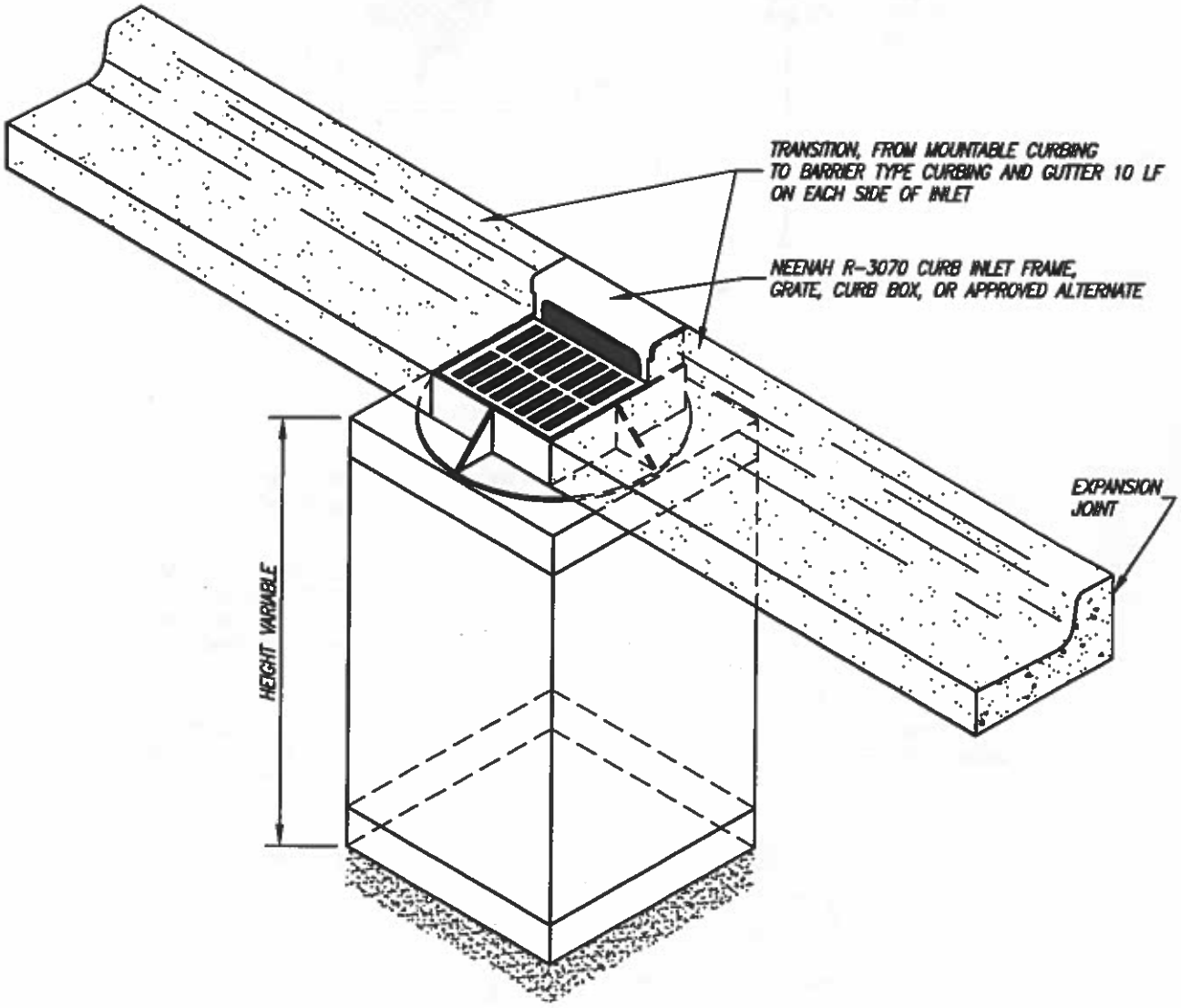


ELEVATION

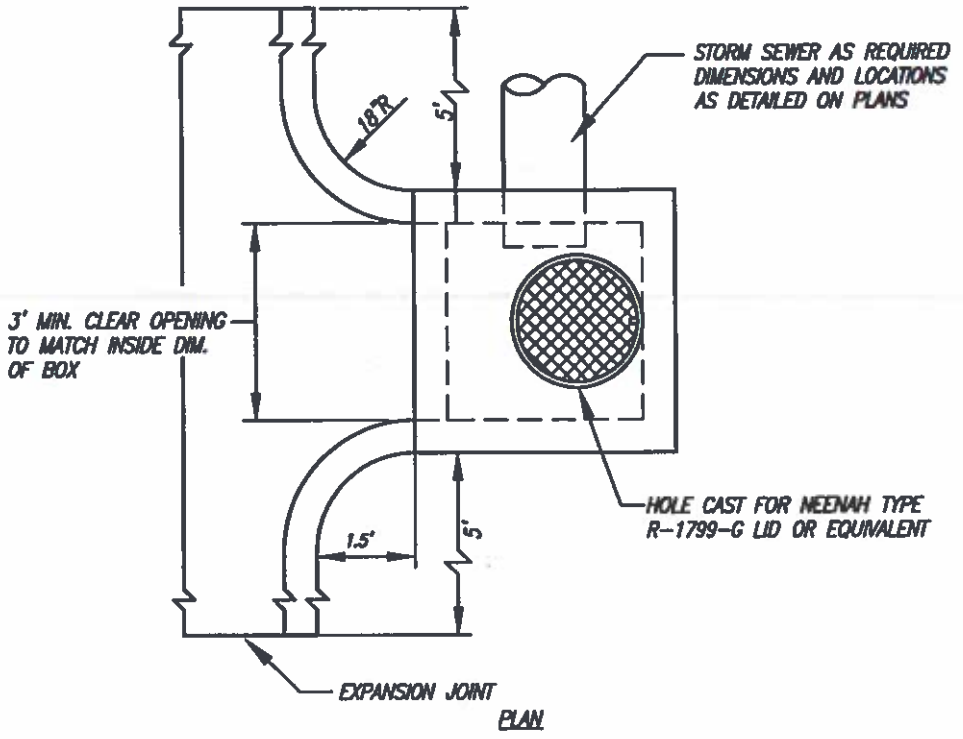
CAST IRON OR PLASTIC ENCASED STEEL STEPS TO BE PROVIDED IF HEIGHT IS GREATER THAN 3 FEET.

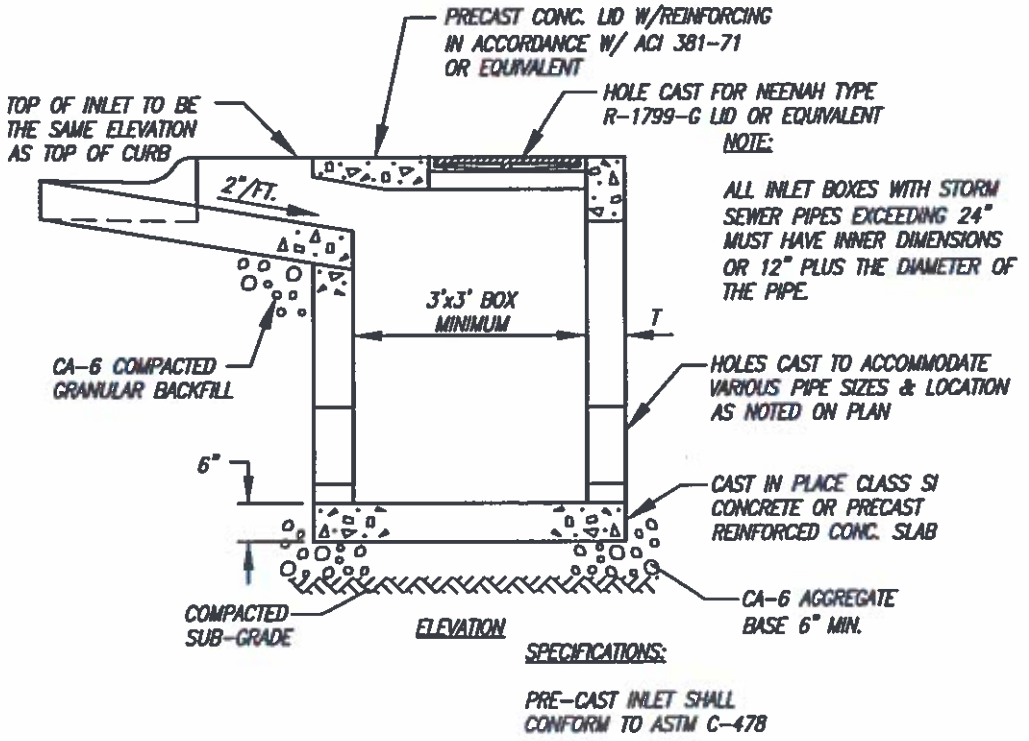
Combination Curb Inlet Box

* INLETS MAY BE ROUND OR SQUARE
* A 4" SAND CUSHION SHALL BE USED UNDER PRECAST BASES
* MINIMUM INSIDE DIMENSIONS TO BE INCREASED AS REQUIRED FOR LARGER PIPE OPENINGS. PIPE TO BE RECESSED SUCH THAT PIPE FLOWLINE IS FLUSH WITH FLOWLINE OF THE BASE.
* THE DESIGN ENGINEER SHALL DEMONSTRATE TO THE VILLAGE OF SWANSEA THE ABILITY OF THE GRATE SELECTED TO CARRY THE AVAILABLE STORM WATER FLOWS.
* ALL ALTERNATE FRAME AND GRATES ARE TO BE OF HEAVY DUTY CONSTRUCTION AND RATED BICYCLE SAFE.



Standard Open Throat Inlet





ENGINEER'S HYDRAULIC/HYDROLOGIC DRAINAGE SUMMARY AND CERTIFICATION

VILLAGE OF SWANSEA • 1400 N. ILLINOIS STREET • SWANSEA, IL 62226 • (618) 234-0044

Date Received: _____

IMPORTANT INSTRUCTIONS

This summary shall be submitted by the Subdivider's/Developer's Engineer at the time of submittal of drainage calculations and improvement plans for the subject development. The purpose of this drainage summary sheet is to assist the Village in the timely and accurate review of drainage design by the developer's engineer. Missing or incomplete data can cause delays in the review and approval process.

NAME OF SUBDIVISION: _____ DATE: _____

SUBDIVIDER/DEVELOPER NAME: _____

Contact Person: _____ Phone #: _____

Address: _____ City: _____ State: _____ Zip: _____

ENGINEER'S NAME: _____ Phone #: _____

Address: _____ City: _____ State: _____ Zip: _____

Detention Ponds/Basins

All detention ponds/basins proposed for the development shall have the following information provided: **Detention Basin No.** _____

Design Storm Event	2 year	100 year
Existing Tributary Drainage Area to Pond/Basin:	Acres	Acres
Proposed Tributary Drainage Area to Pond/Basin:	Acres	Acres
Existing Condition Composite Runoff Coefficient or SCS CN Number		
Proposed Condition Composite Runoff Coefficient or SCS CN Number		
Existing Condition Time of Concentration	Min.	Min.
Proposed Condition Time of Concentration	Min.	Min.
Existing Peak Runoff for Subject Watershed	Cfs.	Cfs.
Proposed Peak Discharge from Basin	Cfs.	Cfs.
Proposed Peak Discharge from Areas not Tributary to Basin but tributary to the subject watershed	Cfs.	Cfs.
Velocity of Discharge Pipe(s) into Detention Basin/Pond	Ft./Sec.	Ft./Sec.
Velocity of Discharge for Outfall Pipe from Pond/Basin	Ft./Sec.	Ft./Sec.
Computed Storage Required for each Storm Event	Ac-Ft.	Ac-Ft.
Storage Provided for each Storm Event	Ac-Ft.	Ac-Ft.
Max. Elevation of Water in Pond/Basin for each Storm Event	Ft.	Ft.

Storm Sewers

Storm sewers for the development shall have the following information provided:

(Note: If the Engineer has storm water computer software that summarizes this information, it will not be necessary to complete this form.)

Storm Sewer Identification	Required Capacity (CFS)	Actual Computed Capacity (CFS)	Slope, %	Velocity Ft./Sec.

Attachments (list)

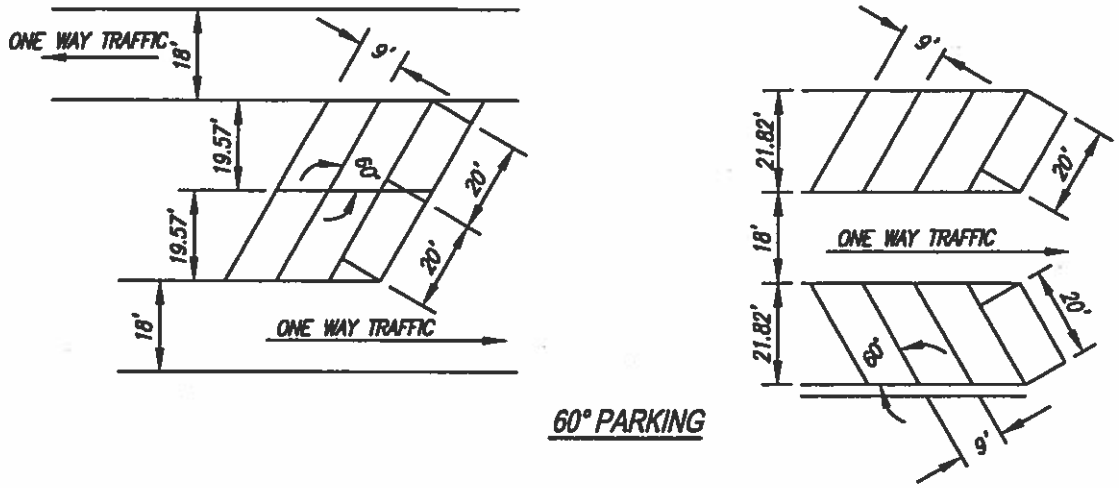
BY MY SIGNATURE BELOW, I CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, ALL OF THE ABOVE INFORMATION, AS WELL AS ANY INFORMATION CONTAINED IN ANY CALCULATIONS, DOCUMENT OR PLANS SUBMITTED HEREWITH, IS TRUE AND ACCURATE.

ENGINEER: _____
Signature

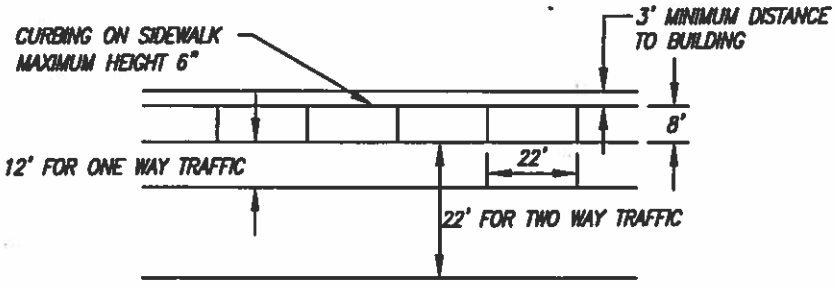
DATE: _____

SEAL

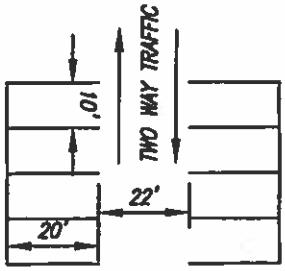
Parking Details



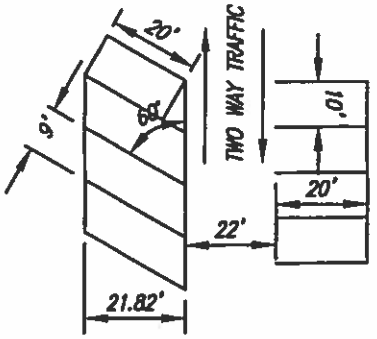
60° PARKING



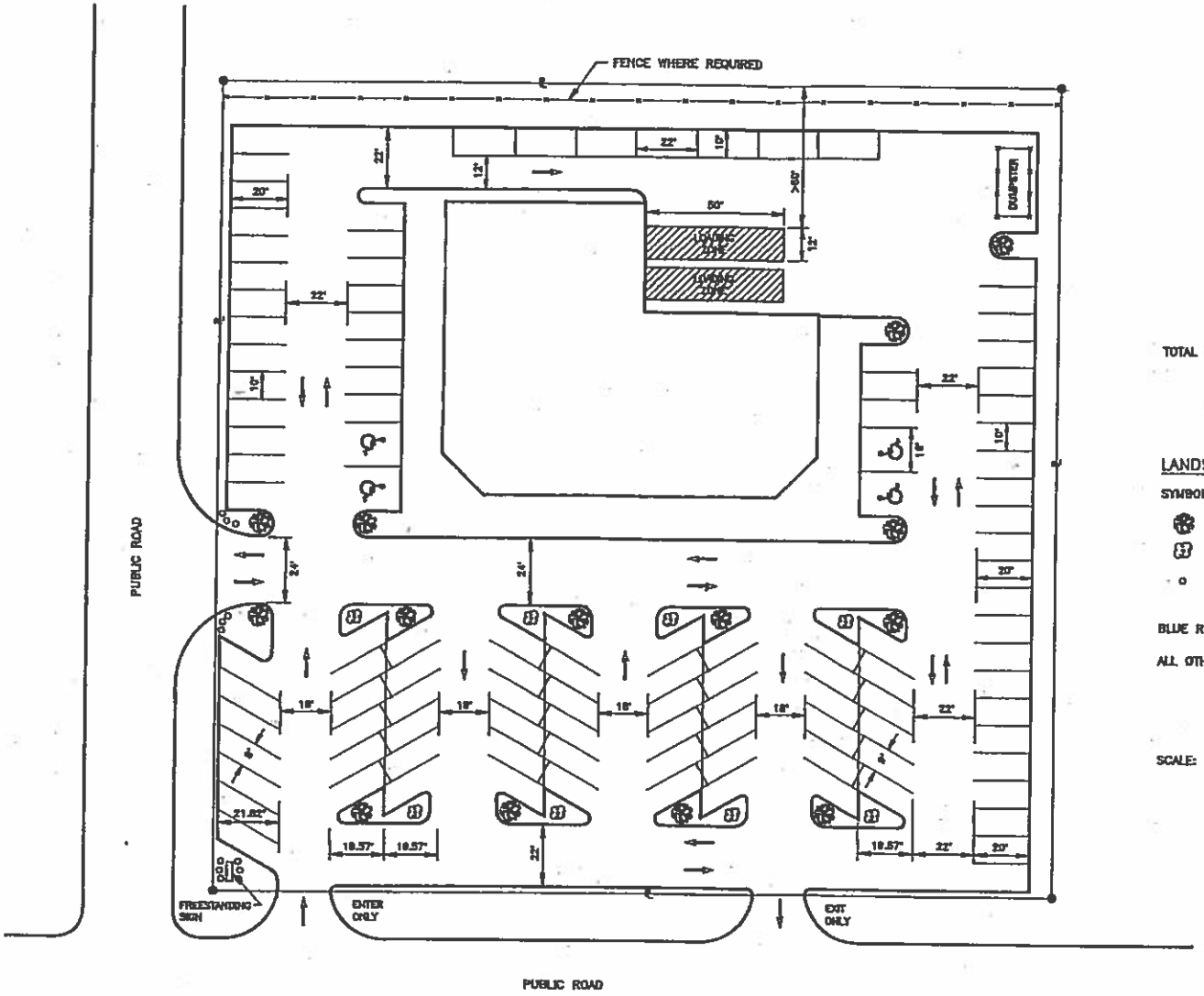
PARALLEL PARKING



90° PARKING



COMBINED PARKING



TYPICAL PARKING CONFIGURATIONS

TOTAL NUMBER OF STANDARD SPACES – 111
HANDICAPPED SPACES – 4
LOADING SPACES – 2

LANDSCAPING DETAILS

SYMBOL	QUANT.	COMMON NAME	LOCATION
	14	CAPITAL PEAR	AS SHOWN
	8	JAPANESE YEWS	AS SHOWN
	12	FLAME AZALEA	AS SHOWN

BLUE RUG JUNIPERS AS GROUND COVER IN PARKING ISLANDS

ALL OTHER DISTURBED AREAS SOWN WITH CROWNVETCH AND RED FESCUE

SCALE: 1"=40'