

GENERAL NOTES

1. AGGREGATE FOR GRAVEL BASE

AGGREGATE FOR GRAVEL BASE SHALL BE SCREENED OR CRUSHED GRAVEL OF HARD DURABLE PARTICLES FREE FROM VEGETABLE MATTER, LUMPS OR BALLS OF CLAY AND OTHER DELETERIOUS SUBSTANCES. THE GRADATION OF THE PART THAT PASSES A 3 INCH SIEVE SHALL MEET THE GRADING REQUIREMENTS OF THE FOLLOWING TABLE:

SIEVE DESIGNATION	PERCENTAGE BY WEIGHT PASSING SQUARE MESH SIEVES			
	TYPE "D" AGGREGATE	TYPE "A" AGGREGATE	STRUCTURAL FILL	
2" / 3" / 4"	100 (2")	100 (3")	100 (4")	
1/2 INCH	45-70	35-80	90-100	
1/4 INCH	30-55	25-65	25-90	
No. 40	0-20	0-30	0-30	
No. 200	0-6	0-7	0-5	

TYPE "A" AGGREGATE SHALL NOT CONTAIN PARTICLES WHICH WILL NOT PASS THE 2 INCH SQUARE MESH SIEVE.

TYPE "D" AGGREGATE SHALL NOT CONTAIN PARTICLES WHICH WILL NOT PASS THE 6 INCH SQUARE MESH SIEVE.

EACH LAYER AS APPLIED SHALL BE ROLLED WITH A 20 TON ROLLER. THE MATERIAL AS SPREAD SHALL BE WELL MIXED WITH NO POCKETS OF EITHER FINE OR COARSE MATERIAL. OVER SIZED STONES SHALL BE REMOVED FROM THE AGGREGATE.

EACH LAYER OF AGGREGATE SHALL BE PLACED OVER THE FULL WIDTH OF THE SECTION. AGGREGATE BASE AND SUB-BASE COURSES MAY BE PLACED UPON FROZEN SURFACES WHEN SUCH SURFACES HAVE BEEN PROPERLY CONSTRUCTED.

THE SURFACE OF EACH LAYER SHALL BE MAINTAINED DURING COMPACTION OPERATIONS IN SUCH A MANNER THAT A UNIFORM TEXTURE IS PRODUCED AND THE AGGREGATE IS FIRMLY KEYS. THE MOISTURE CONTENT OF THE MATERIAL SHALL BE MAINTAINED AT THE PROPER PERCENT TO ATTAIN THE REQUIRED COMPACTION AND STABILITY. COMPACTION OF EACH LAYER SHALL BE CONTINUED UNTIL DENSITY OF NOT LESS THAN 95 PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557 MODIFIED PROCTOR DENSITY HAS BEEN ACHIEVED FOR THE FULL WIDTH AND DEPTH OF EACH LAYER AS APPLIED.

THE SURFACE TOLERANCE OF EACH BASE COURSE AS APPLIED SHALL BE 3/8 INCHES ABOVE OR BELOW THE REQUIRED TEMPLATE LINES.

2. AGGREGATE FOR SUB-BASE

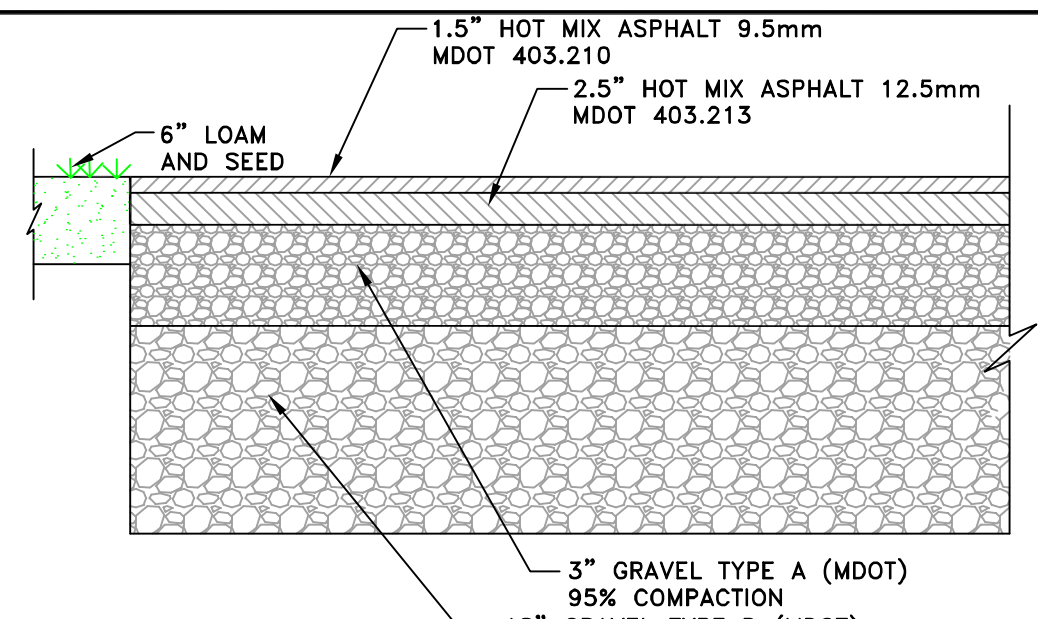
AGGREGATE FOR SUB-BASE SHALL BE TYPE "D" (MDOT). IT SHALL BE FREE FROM VEGETABLE MATTER, LUMPS OR BALLS OF CLAY AND OTHER DELETERIOUS SUBSTANCES.

3. COMMON BORROW

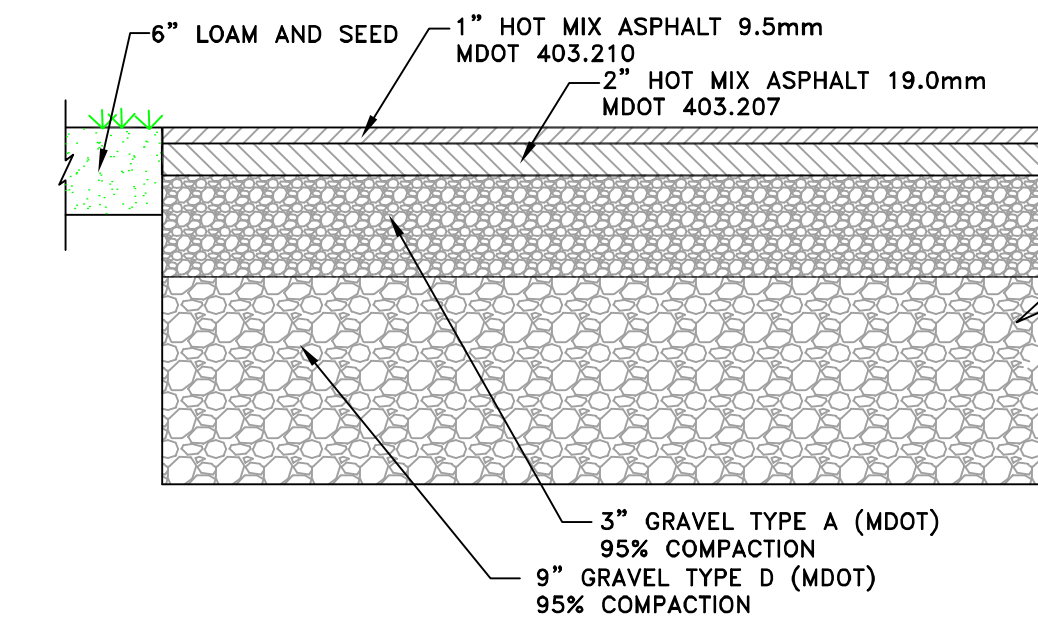
COMMON BORROW SHALL CONSIST OF EARTH, SUITABLE FOR EMBANKMENT CONSTRUCTION. IT SHALL BE FREE FROM FROZEN MATERIAL, PERISHABLE RUBBISH, FEAT AND OTHER UNSUITABLE MATERIAL.

THE MOISTURE CONTENT SHALL BE SUFFICIENT TO PROVIDE THE REQUIRED COMPACTION AND STABLE EMBANKMENT. IN NO CASE SHALL THE MOISTURE CONTENT EXCEED 4 PERCENT ABOVE OPTIMUM.

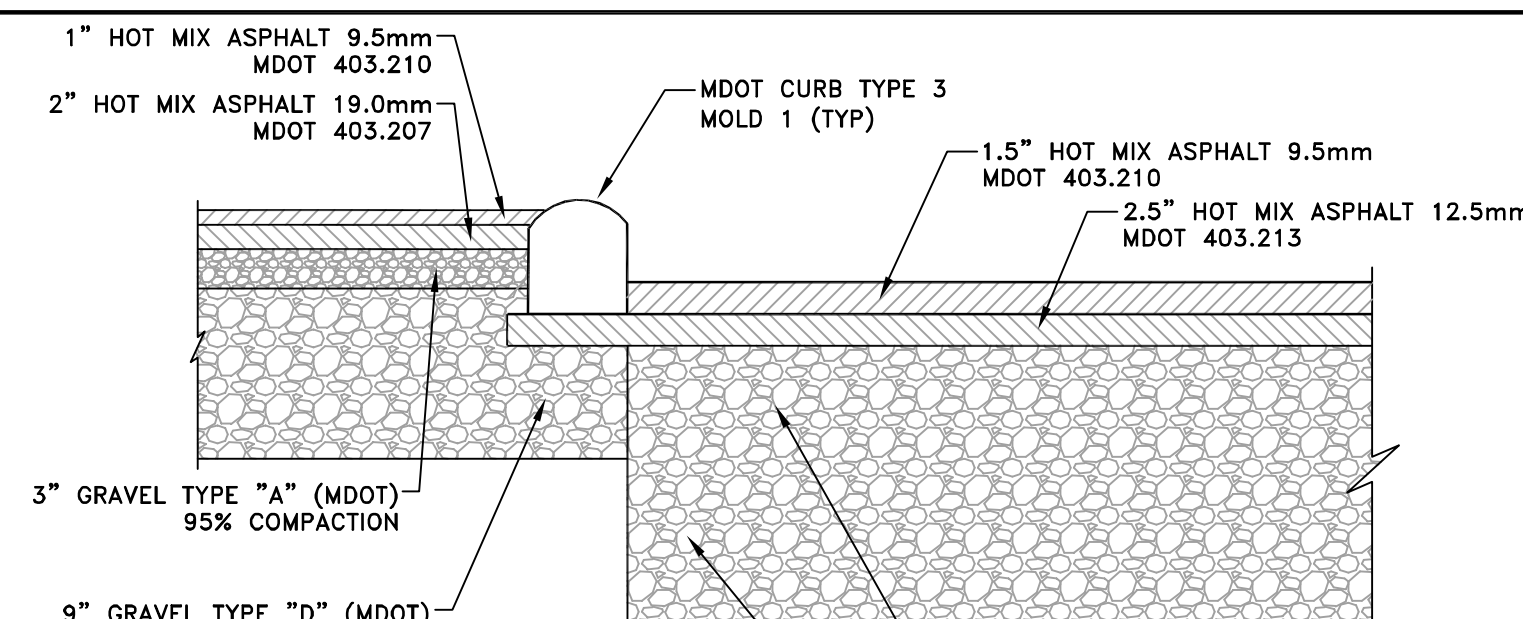
ALL COMMON BORROW AND GRAVEL AREAS TO BE COMPACTED TO 95% OF ITS MAX. DRY DENSITY AS DETERMINED BY ASTM D-1557 "MODIFIED PROCTOR DENSITY". PLACE IN 9" TO 12" LIFTS.



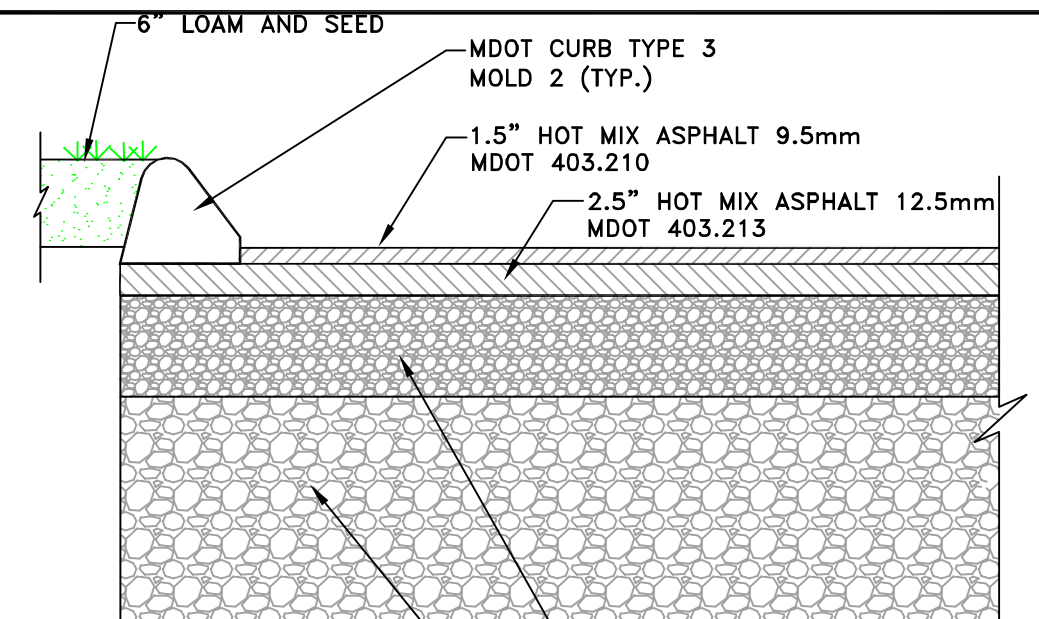
PAVED PARKING AND DRIVE DETAIL
NOT TO SCALE



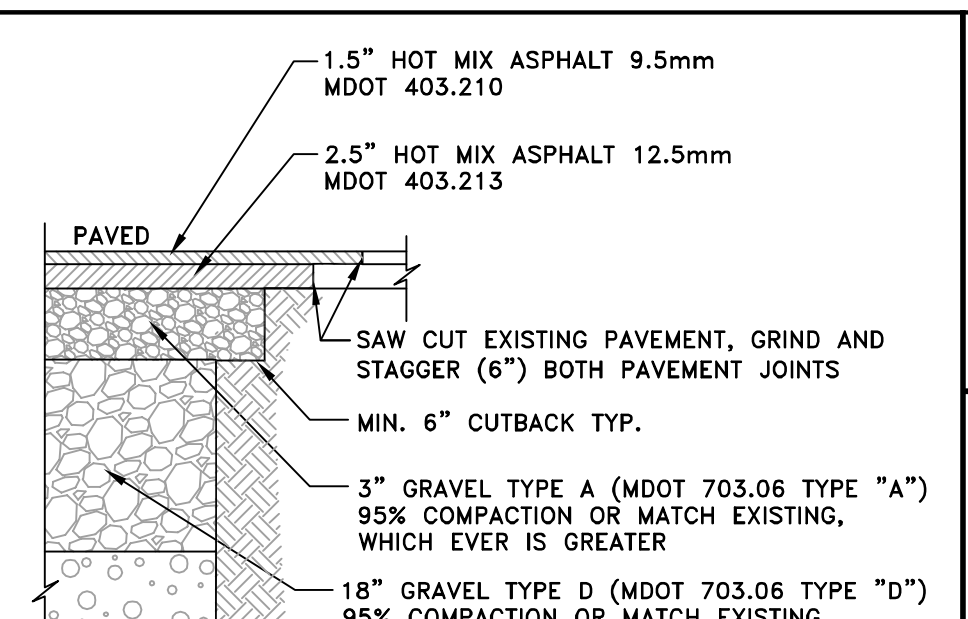
PAVED SIDEWALK DETAIL
NOT TO SCALE



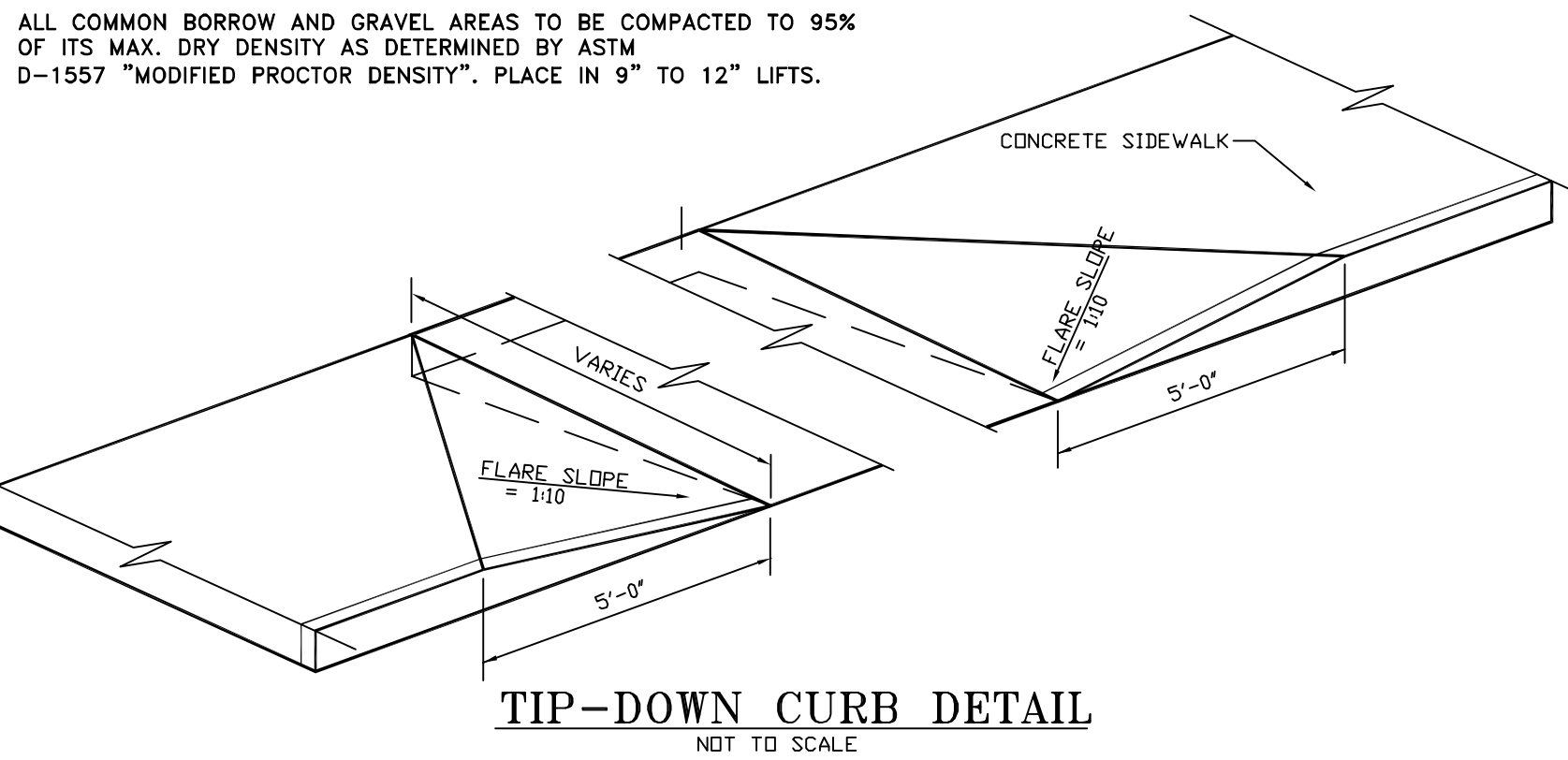
PAVED SIDEWALK & PAVED CURB DETAIL
NOT TO SCALE



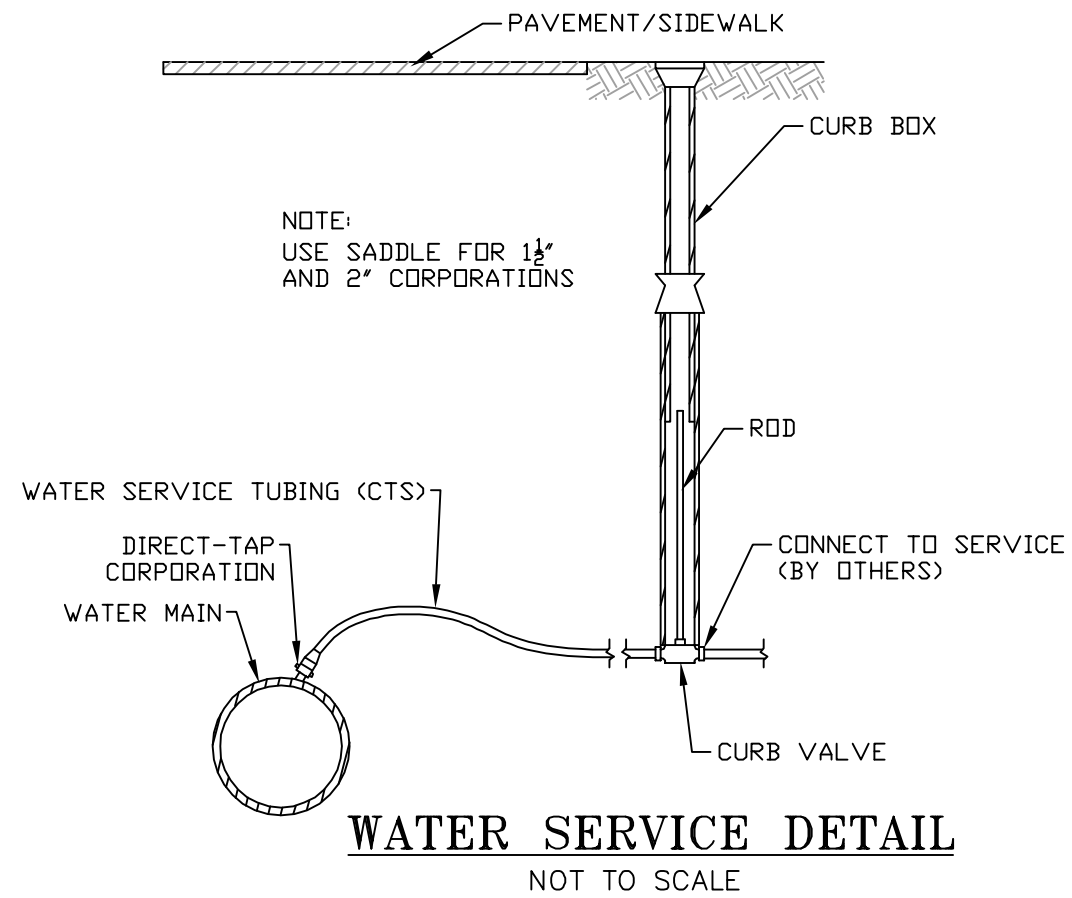
BITUMINOUS CAPE COD CURB DETAIL (IN AREAS WITH NO SIDEWALK)
NOT TO SCALE



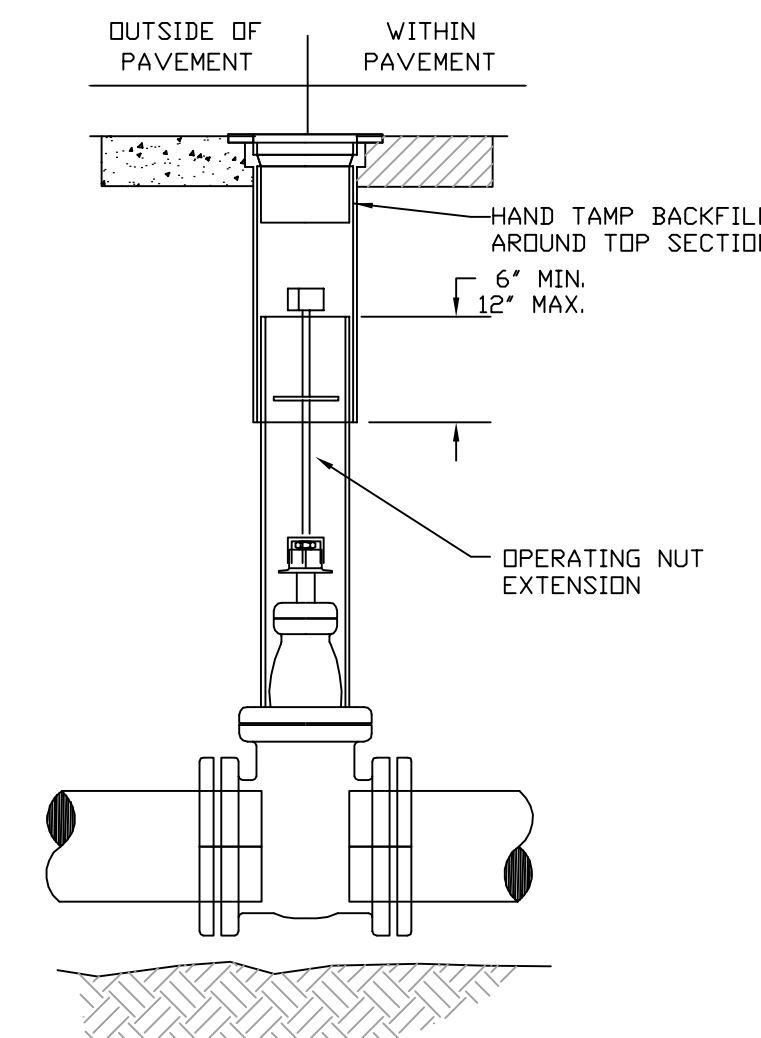
BUTT JOINT DETAIL
NOT TO SCALE



TIP-DOWN CURB DETAIL
NOT TO SCALE

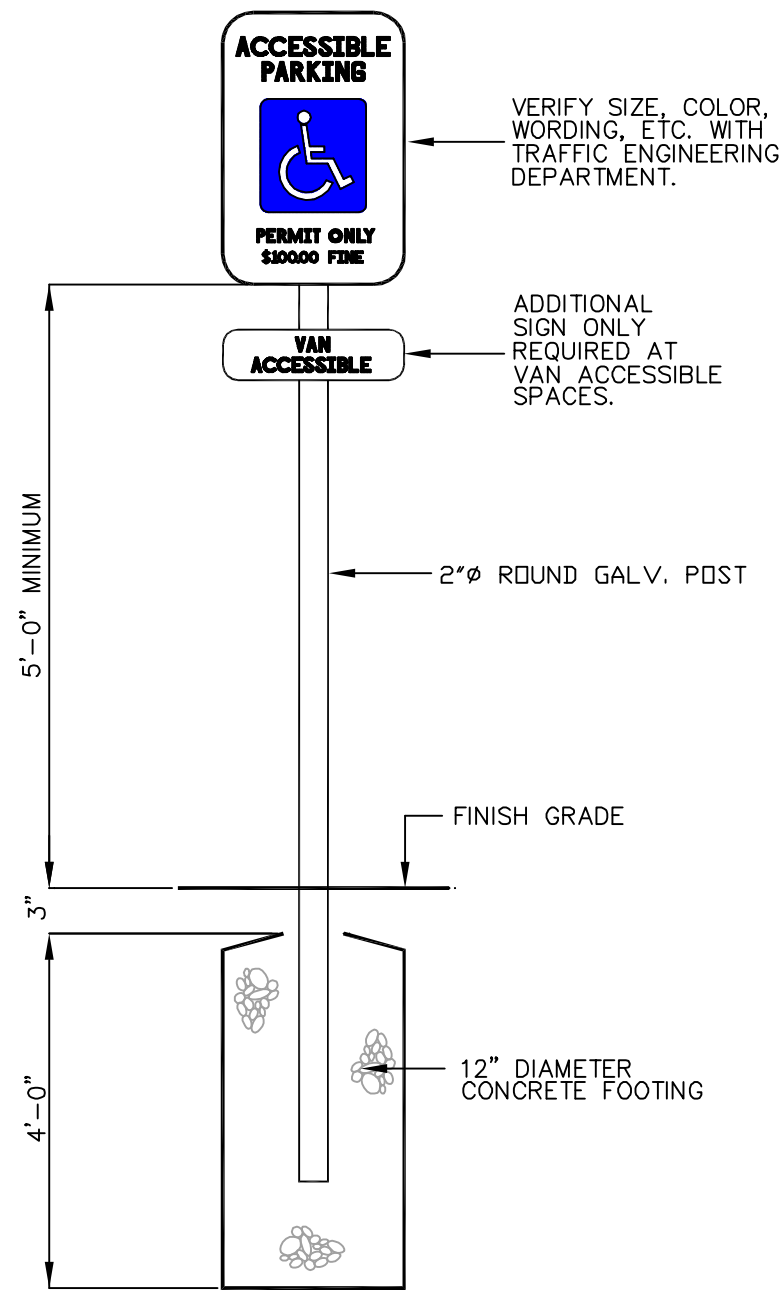


WATER SERVICE DETAIL
NOT TO SCALE



NOTES:
1) VALVE BOX NOT TO REST ON OPERATING ASSEMBLY.
2) A PERMANENTLY ATTACHED VALVE EXTENSION STEM SHALL BE REQUIRED FOR ANY VALVE WITH AN OPERATING NUT LOCATED IN EXCESS OF 4 FEET BELOW THE TOP OF THE VALVE BOX. THIS EXTENSION SHALL BE SUFFICIENT LENGTH TO ENSURE THAT ITS TOP IS WITHIN 4 FEET OF THE VALVE BOX LID.

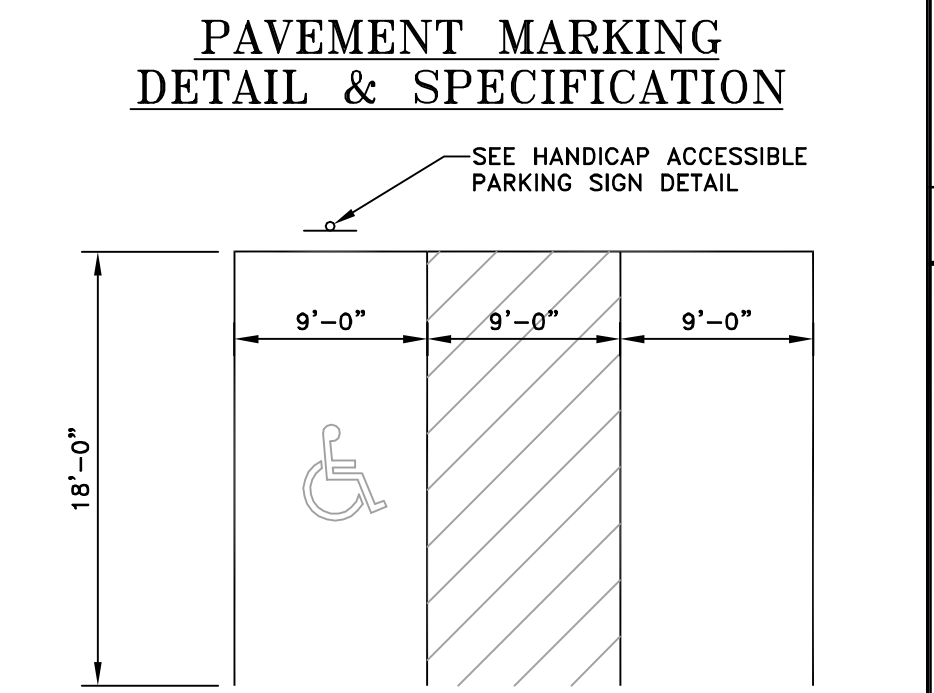
GATE VALVE DETAIL
NOT TO SCALE



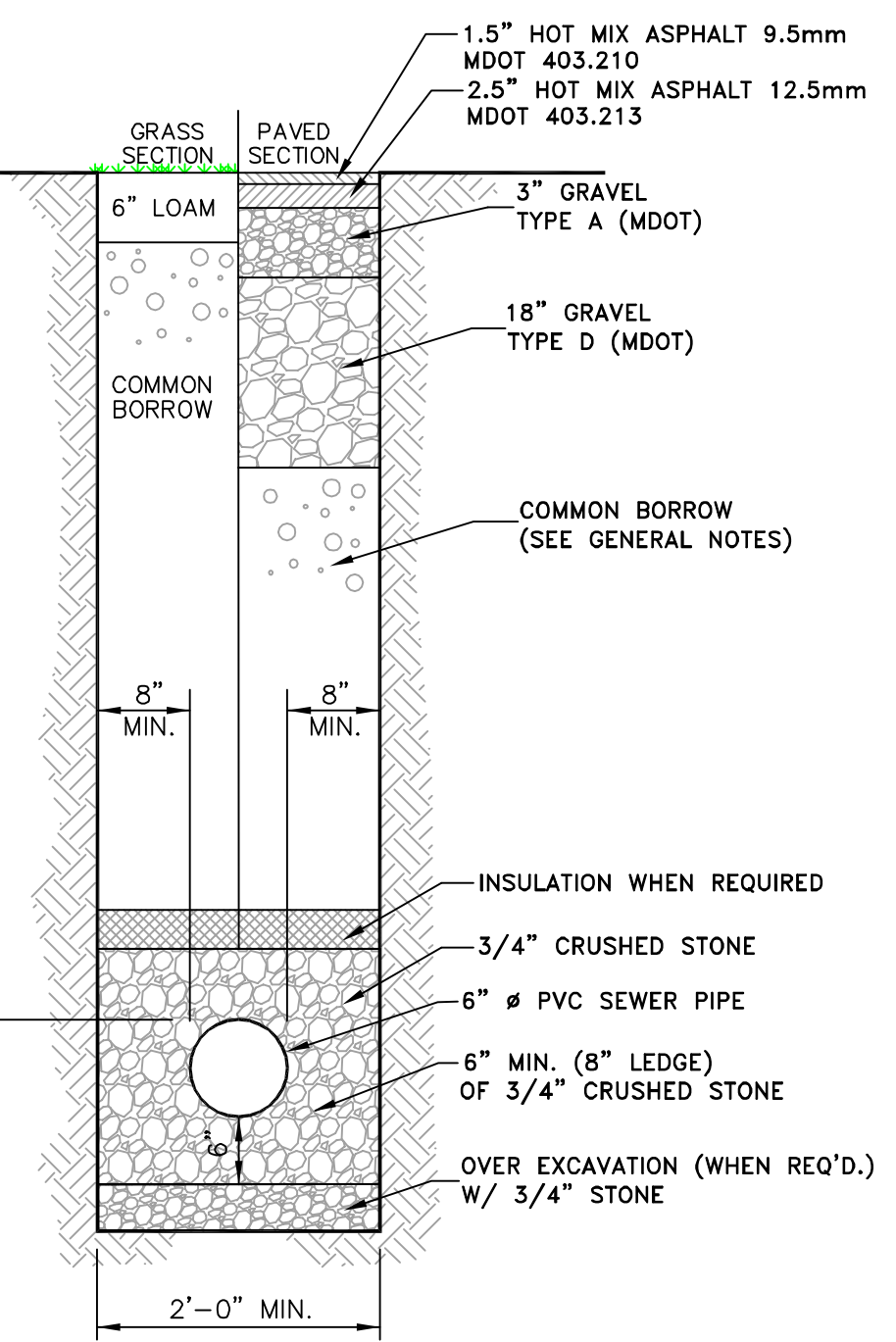
ACCESSIBLE PARKING SIGN DETAIL
NOT TO SCALE

TYPICAL PARKING STALL
9'-0" x 18'-0"

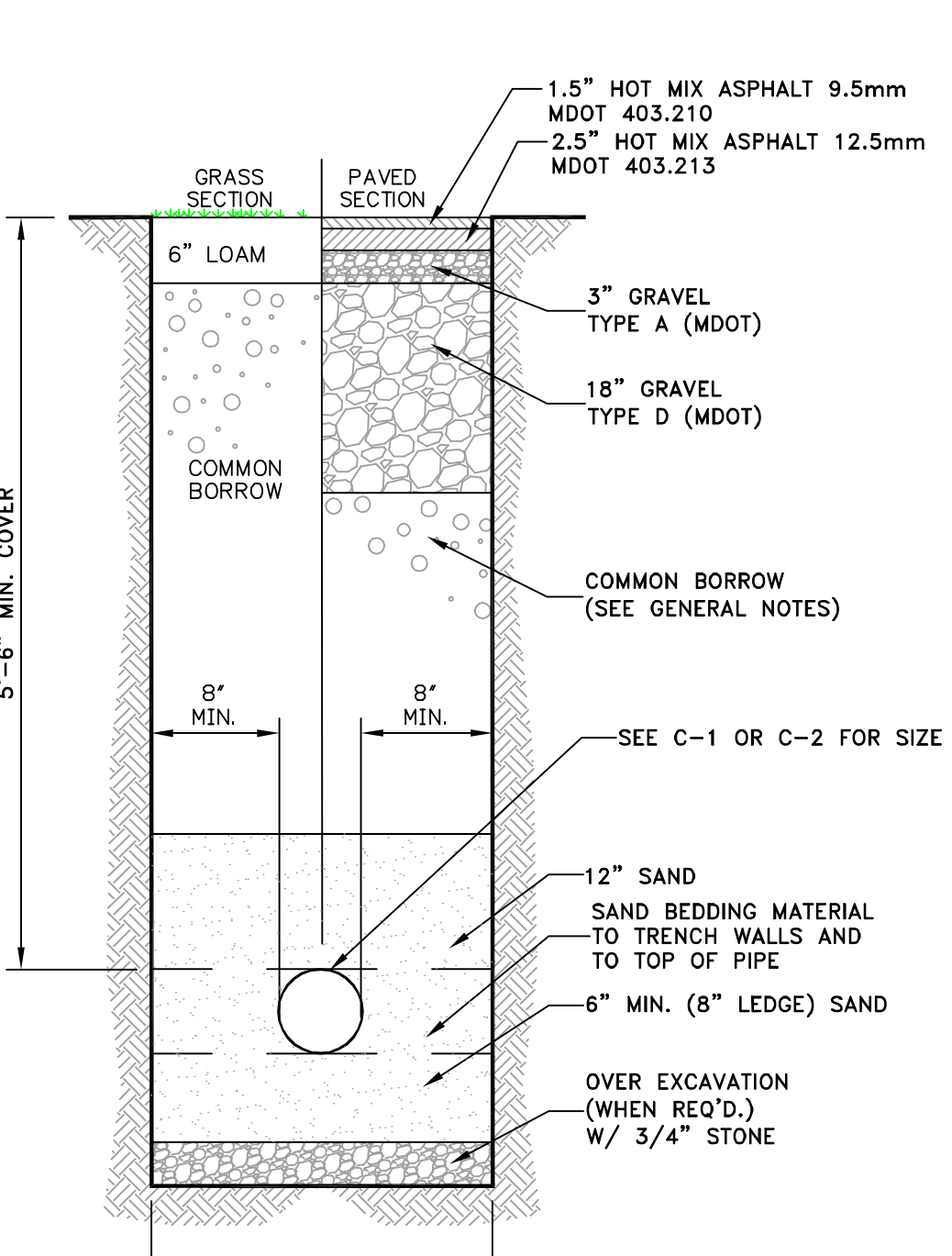
SPECIFICATIONS
PAVEMENT MARKING PAINT FOR FINAL AND TEMPORARY PAVEMENT MARKINGS SHALL MEET THE REQUIREMENTS OF AASHTO M248. EITHER TYPE N (REGULAR TRAFFIC PAINT) OR TYPE F (FAST DRY TRAFFIC PAINT) MAY BE USED.
ALL PAVEMENT LINES AND MARKINGS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
IMMEDIATELY BEFORE APPLYING THE PAVEMENT PAINT TO THE PAVEMENT OR CURB, THE SURFACE SHALL BE DRY AND ENTIRELY FREE FROM DIRT, GREASE, OIL OR OTHER FOREIGN MATTER.
ALL PAVEMENT MARKING LINES SHALL BE 4" SOLID WHITE.



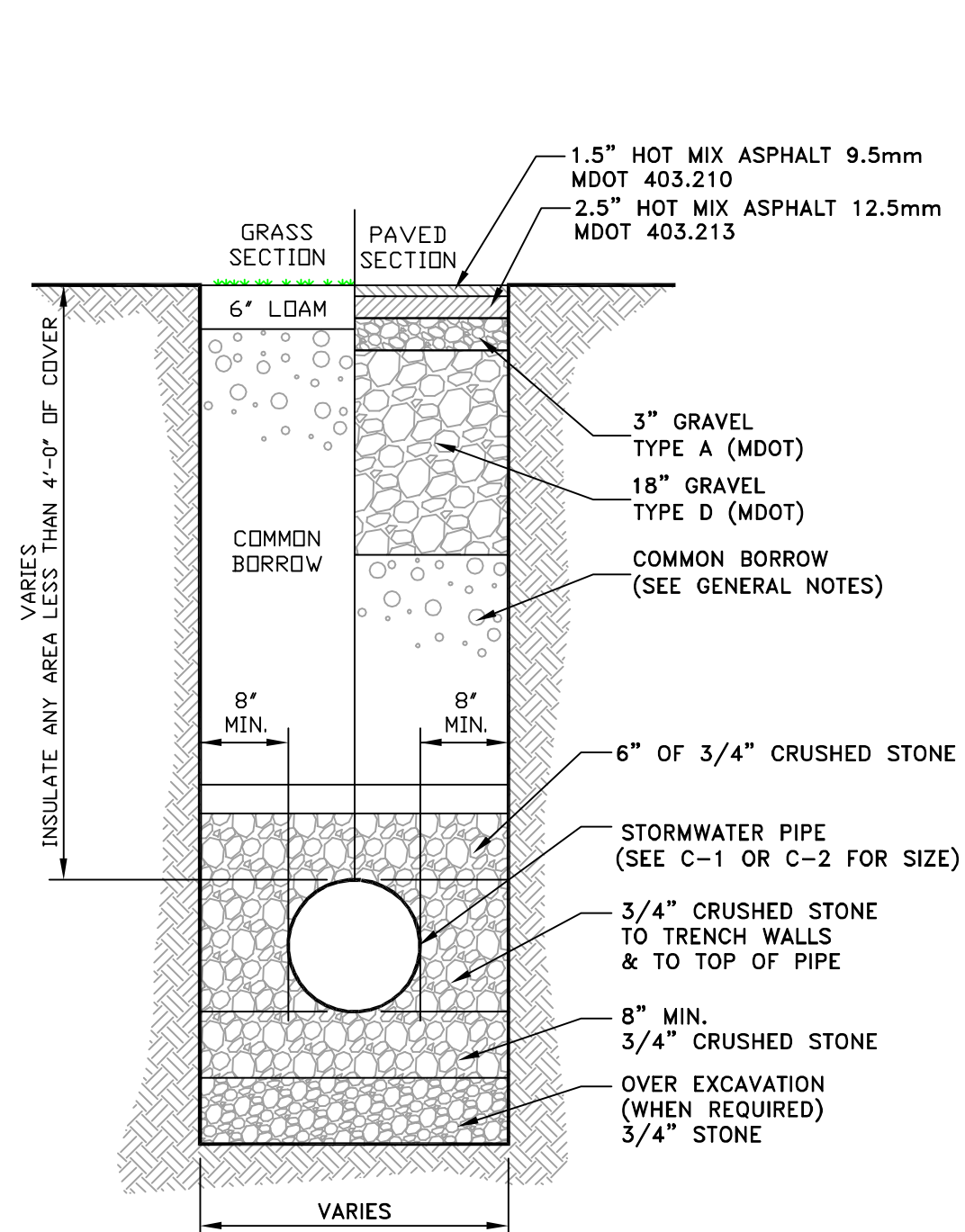
HANDICAP PARKING DETAIL
NOT TO SCALE



TYPICAL SANITARY TRENCH SECTION
NOT TO SCALE

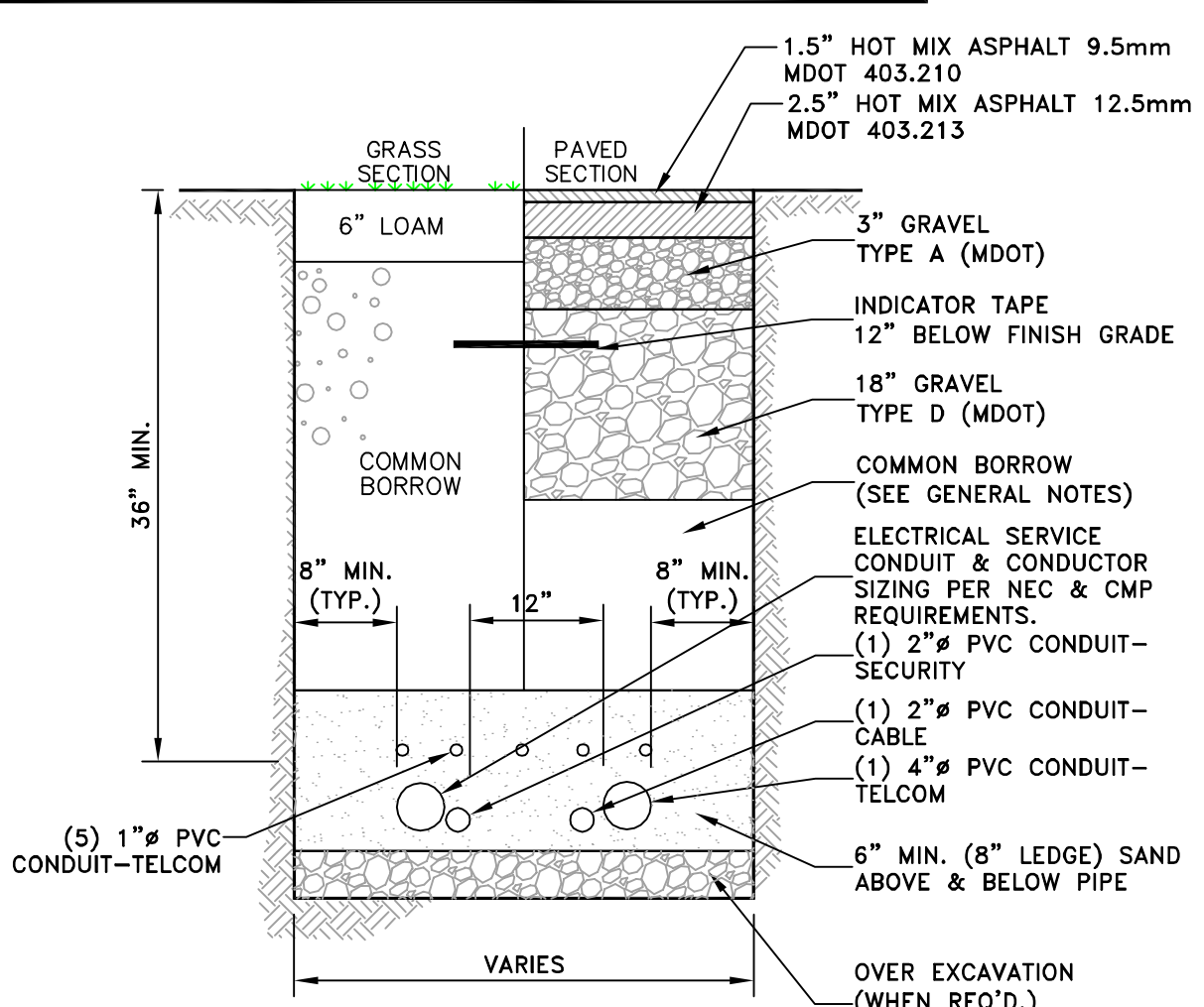


WATER SERVICE TRENCH SECTION
NOT TO SCALE

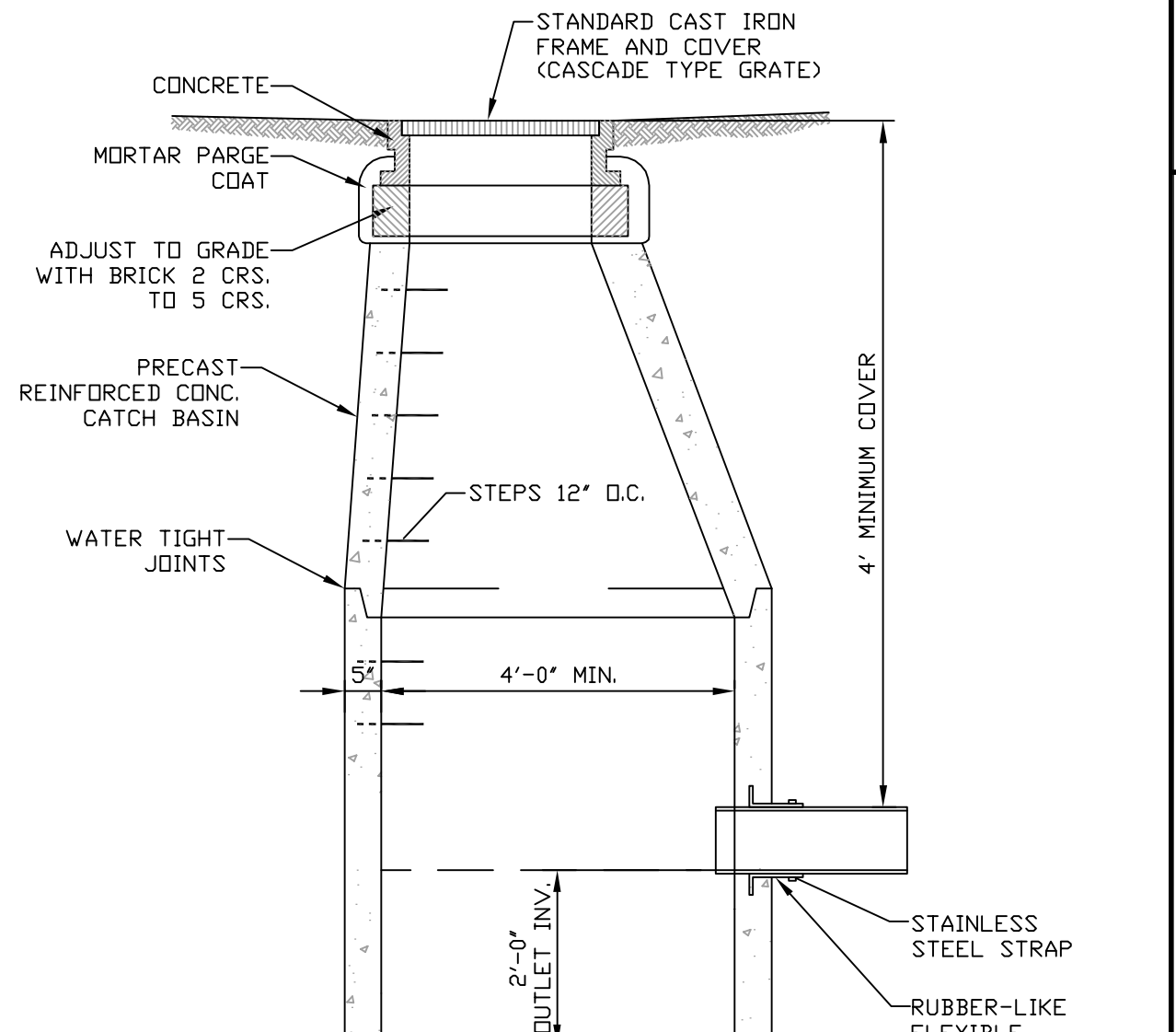


TYPICAL STORMWATER TRENCH SECTION
NOT TO SCALE

TRENCH NOTES:
1. CONTRACTOR SHALL COMPLY WITH OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION REGULATIONS PERTAINING TO THE EXCAVATION OF ALL TRENCHES. CONTRACTOR SHALL ALLOW FOR PAYMENT OF ADDITIONAL EXCAVATION, TRENCH BOXES AND BACKFILL WITH REGARD TO COMPLYING WITH ALL OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION STANDARDS. 2. ALL COMMON BORROW AND GRAVEL AREAS TO BE COMPACTED TO 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557 "MODIFIED PROCTOR DENSITY". PLACE IN 9" TO 12" LIFTS.



TYPICAL ELECTRICAL/SITE LIGHTING TRENCH SECTION
NOT TO SCALE



PRECAST CATCH BASIN
NOT TO SCALE

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NO.	REVISIONS	DATE

DETAILS III

CLIENT/PROJECT: HATHAWAY HOLDINGS, LLC
SCALE: AS SHOWN
DRAWN BY: TCH
CHECKED BY: JEC
DATE: SEPTEMBER 22, 2021
TOWN: GARDNER COUNTY: KENNEBEC STATE: MAINE
PROJ. NO. 2020-174