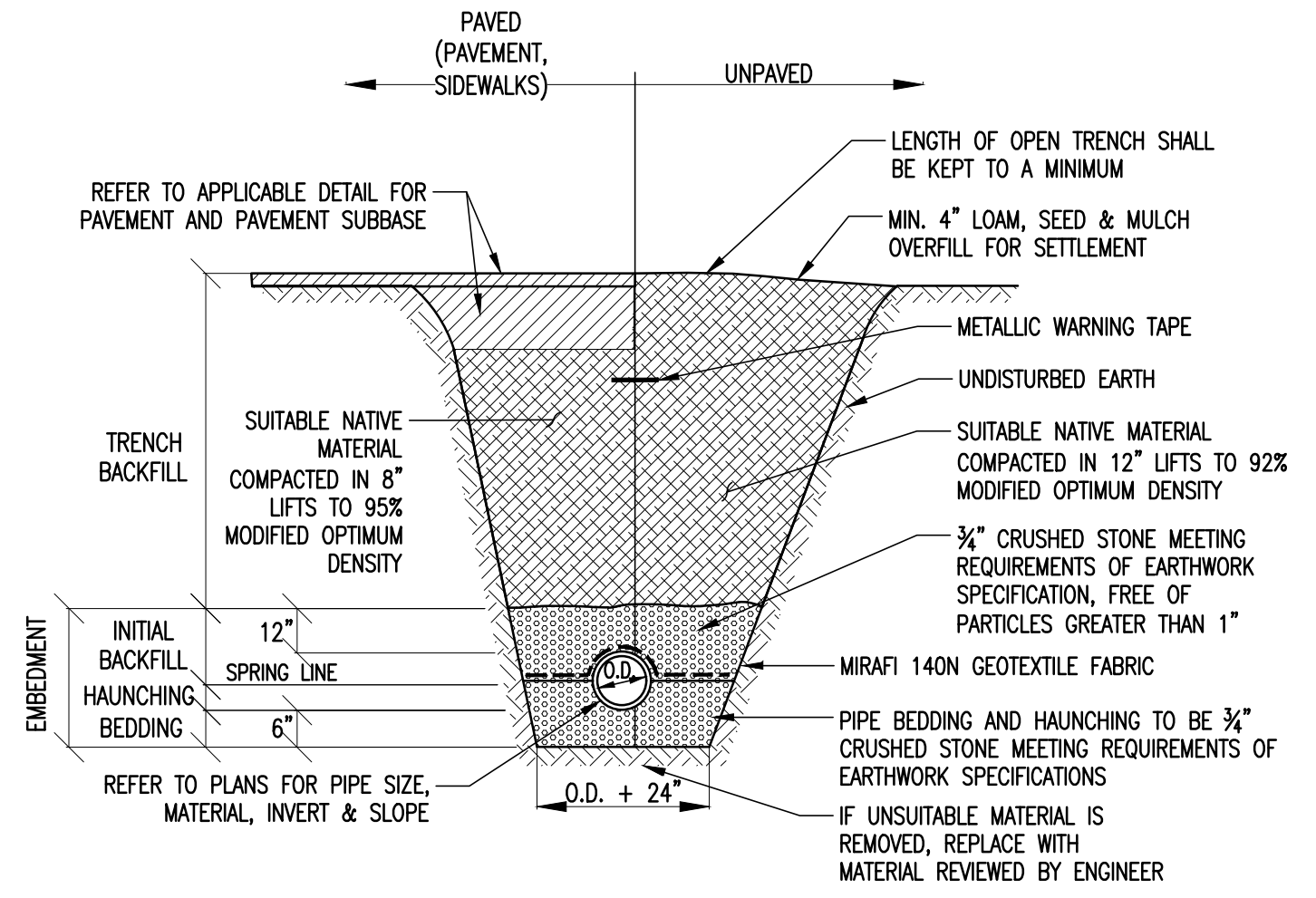


THICKENED EDGE SIDEWALK DETAIL

- NOTES:
1. PLACE A TOOLED JOINT 1/8" WIDE AND AT LEAST 1/3 OF THE DEPTH, TYPICALLY AT INTERVALS MATCHING THE SIDEWALK WIDTH, OR AS NOTED ON PLANS (NOT TO EXCEED 10'-0").
 2. PLACE EXPANSION JOINT AS INDICATED ON PLANS, NOT TO EXCEED 20'-0" MAX.
 3. BROOM FINISH WITH SMOOTH TROWELED EDGES. TREAT WITH SILANE-SILOXANE OR EQUAL.
 4. CAST-IN-PLACE CONCRETE TO BE 4000 PSI CONCRETE, 5%-% AIR ENTRAINMENT WITH 6x6-W4-DxW4-0 REINFORCING CENTERED IN SIDEWALK.
 5. WHERE SIDEWALK IS ADJACENT TO ENTRY/EXIT DOOR PADS WITH FROST WALL FOUNDATIONS, SIDEWALK SHALL BE DOWELED TO PAD WITH 24" LONG #4 DOWELS (CENTERED) AT 1'-6" OC (PORTION OF DOWEL IN SIDEWALK TO BE GREASED).
 6. WHERE SIDEWALK IS ADJACENT TO CURB, BOLLARD OR OTHER HARD FEATURE, INSTALL 1/2" EXPANSION MATERIAL (FULL DEPTH OF SIDEWALK), BETWEEN FEATURE AND SIDEWALK.
 7. COORDINATE WITH STRUCTURAL DETAILS.

CONCRETE SIDEWALK DETAIL

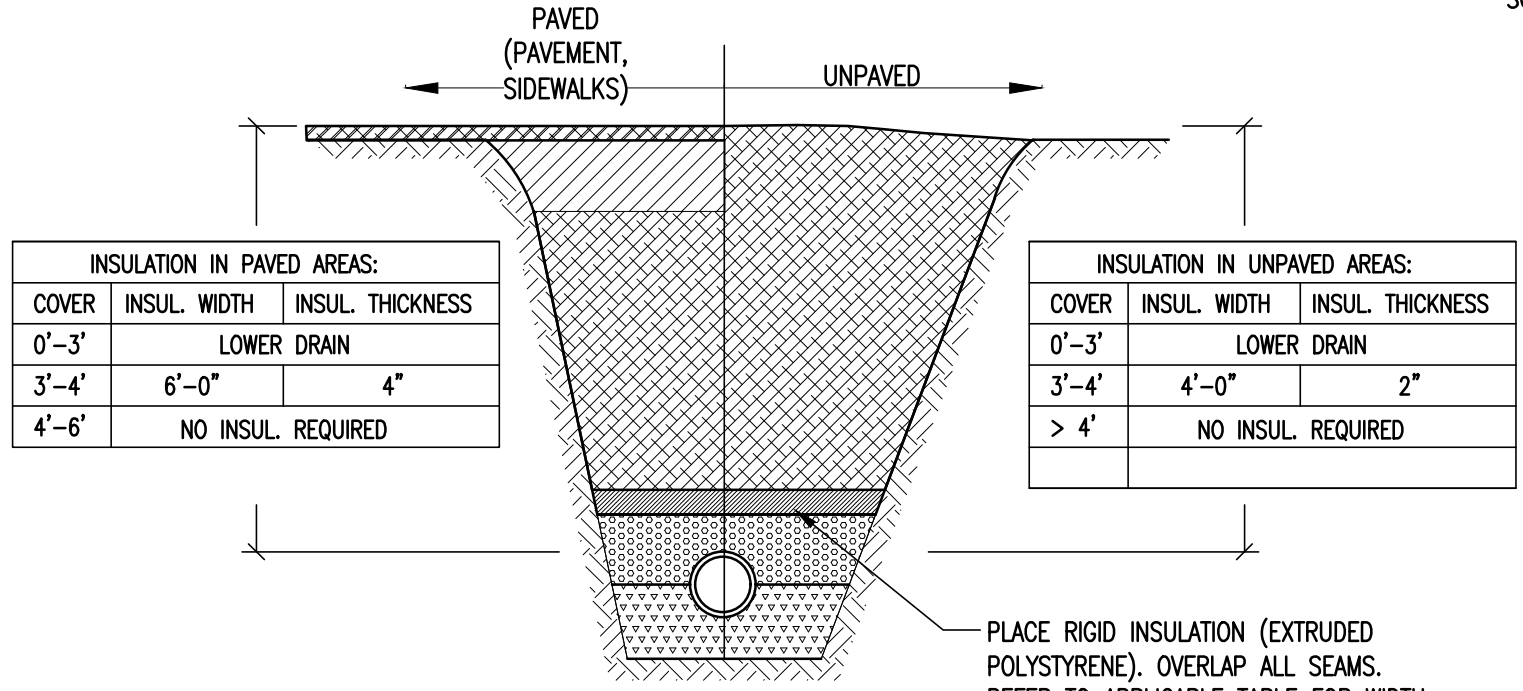
SCALE: NONE



TYPICAL STORM DRAIN TRENCH

SCALE: NONE

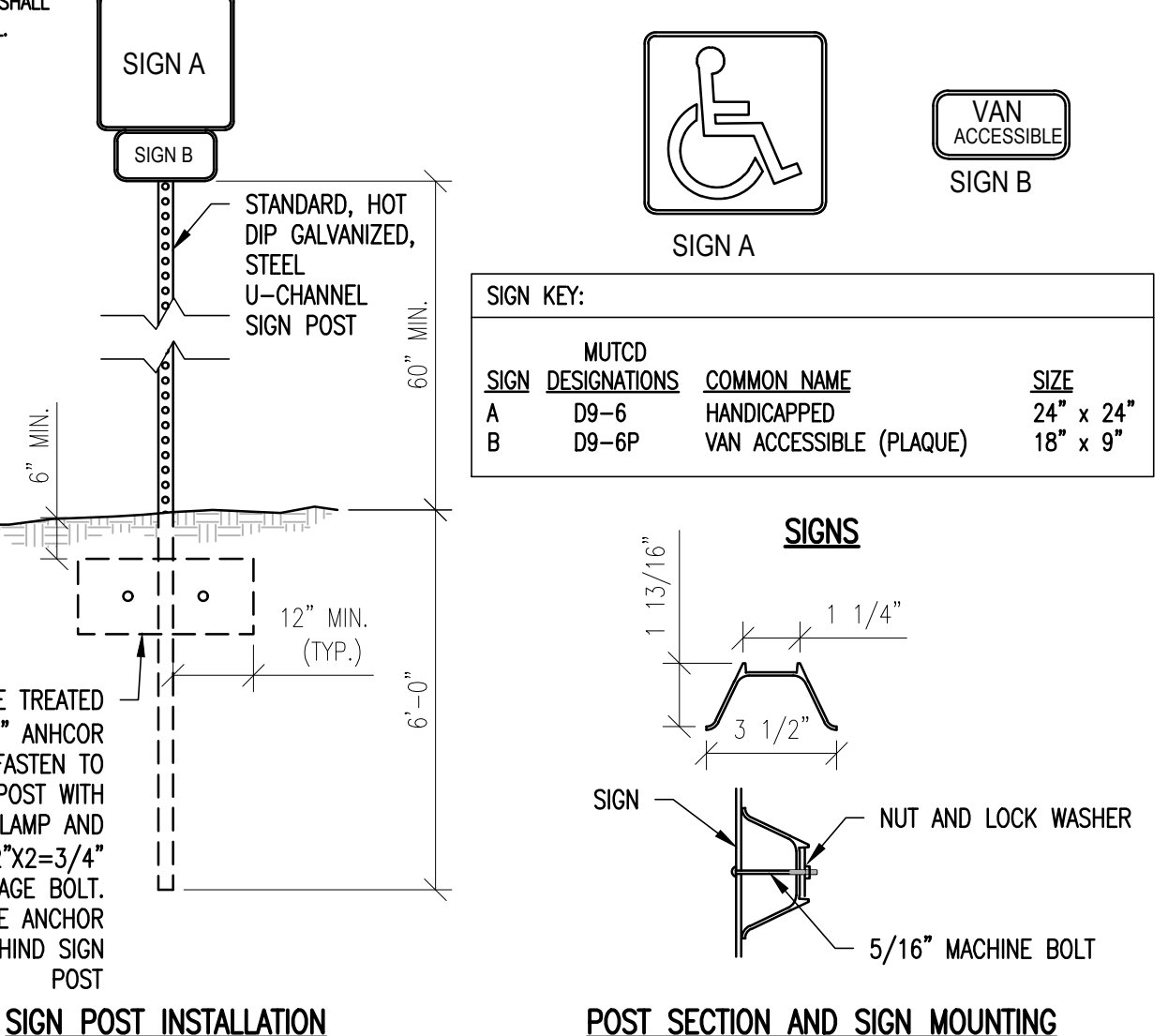
- STORM TRENCH NOTES:
1. UNLESS OTHERWISE NOTED, ASSUME CLASS "C" SOILS. PERFORM ALL EXCAVATIONS TO OSHA REQUIREMENTS.
 2. BEDDING TO PROVIDE A FIRM, STABLE, CONTINUOUS AND UNIFORM SUPPORT FOR THE FULL LENGTH OF PIPE.
 3. WHEN APPLICABLE INSTALL PIPE WITH BELL ENDS DOWN SLOPE. PREVENT SEDIMENT FROM ENTERING NEW STORM DRAIN SYSTEM DURING CONSTRUCTION.
 4. NO MECHANICAL TAMPERS SHALL BE USED DIRECTLY OVER PIPE TO INSURE PIPE IS NOT DAMAGED. REFER TO INSULATION DETAIL FOR AREAS WHERE PROPER COVER CAN NOT BE ACHIEVED.
 5. BACKFILL SHALL BE OF A SUITABLE NATIVE MATERIAL REMOVED FROM EXCAVATION EXCEPT WHERE OTHER MATERIAL IS SPECIFIED, DEBRIS, FROZEN MATERIAL, LARGE CLODS OR STONES, ORGANIC MATTER OR OTHER UNSUITABLE MATERIAL SHALL NOT BE USED FOR BACKFILL.



INSULATION OVER SHALLOW DRAIN DETAIL

SCALE: NONE

- INSULATION IN PAVED AREAS:
- | COVER | INSUL. WIDTH | INSUL. THICKNESS |
|-------|--------------|--------------------|
| 0'-3" | | LOWER DRAIN |
| 3'-4" | 6'-0" | 4" |
| 4'-6" | | NO INSUL. REQUIRED |
- INSULATION IN UNPAVED AREAS:
- | COVER | INSUL. WIDTH | INSUL. THICKNESS |
|-------|--------------|--------------------|
| 0'-3" | | LOWER DRAIN |
| 3'-4" | 4'-0" | 2" |
| > 4' | | NO INSUL. REQUIRED |
- STORM DRAIN INSULATION NOTES:
1. REFER TO APPLICABLE TRENCH DETAIL FOR SPECIFIC BACKFILL INFORMATION.
 2. RIGID EXTRUDED POLYSTYRENE INSULATION SHALL CONFORM WITH ASTM C578 - STANDARD SPECIFICATION FOR RIGID CELLULAR POLYSTYRENE THERMAL INSULATION AND SHALL BE DOW STYROFOAM HIGH LOAD 40 OR EQUIVALENT.

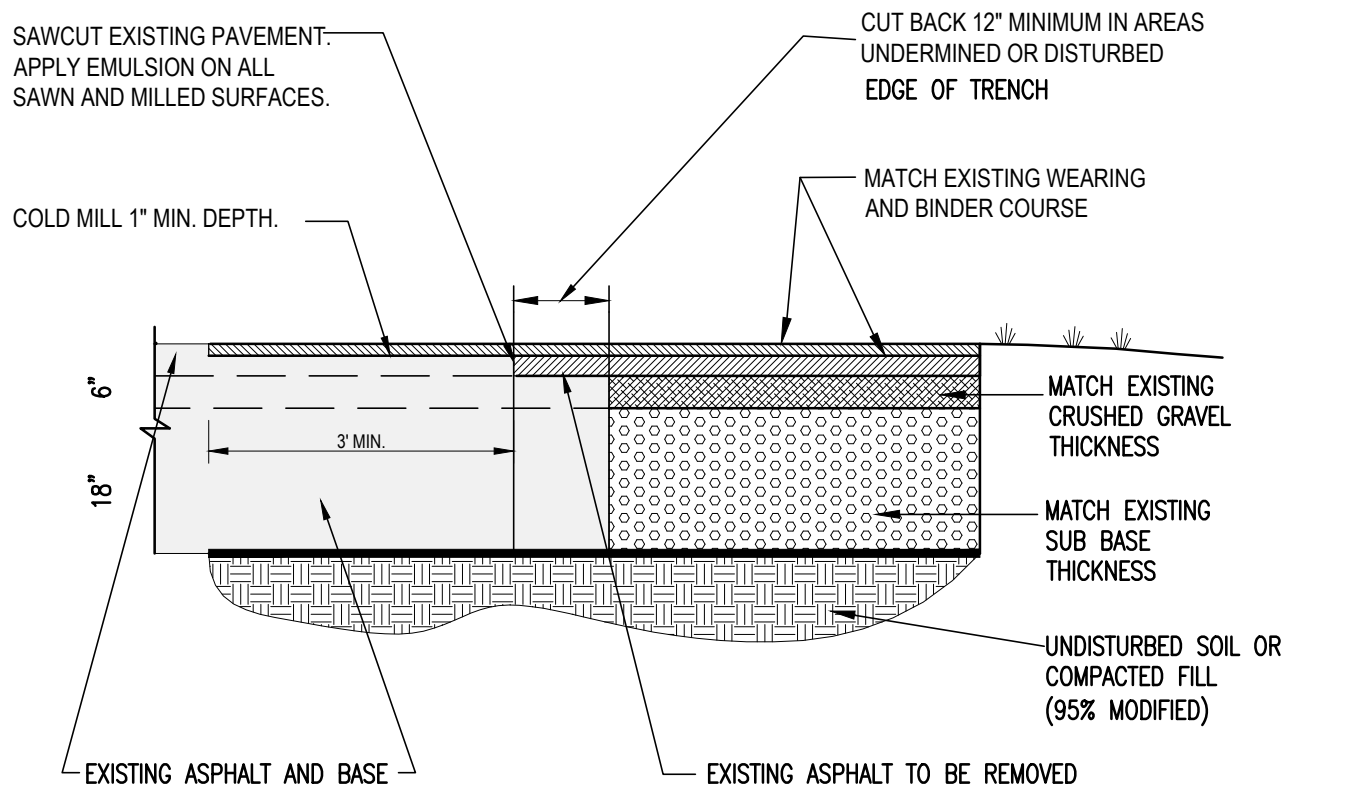


ADA SIGN AND POST DETAILS

SCALE: NONE

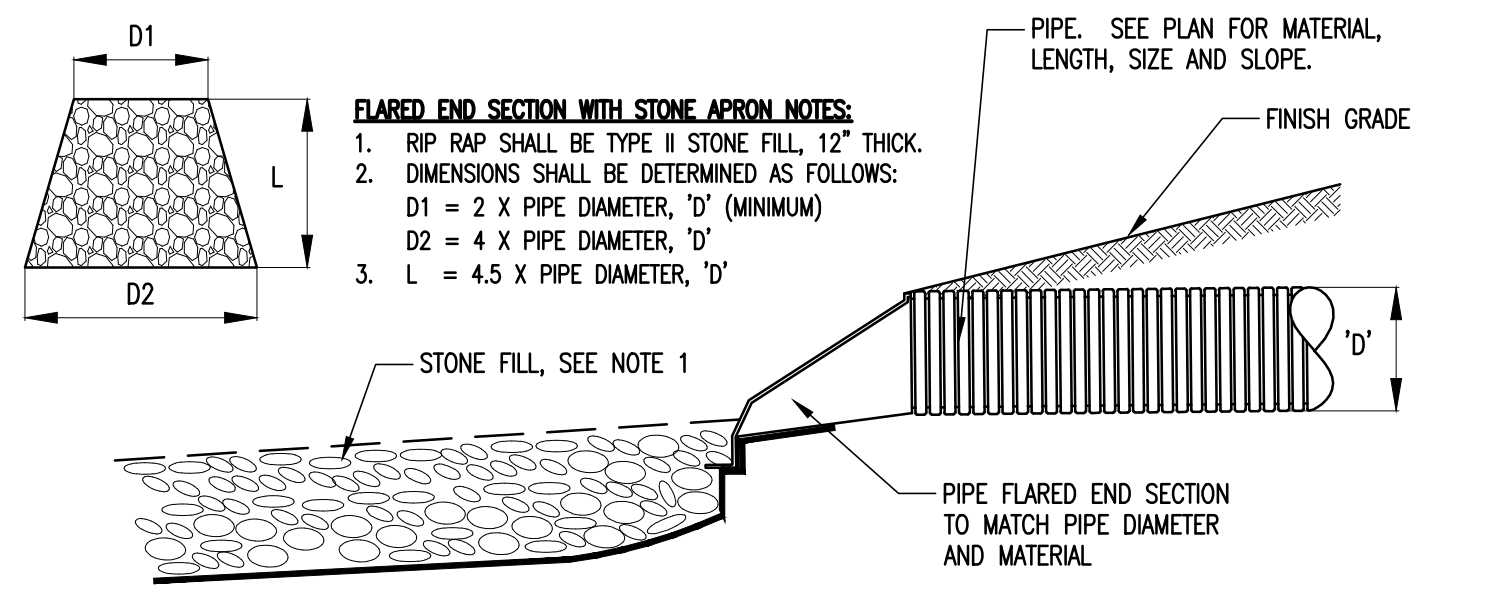
SIGN KEY:

SIGN DESIGNATIONS	MUTCD	COMMON NAME	SIZE
A	D9-6	HANDICAPPED	24" x 24"
B	D9-6P	VAN ACCESSIBLE (PLAQUE)	18" x 9"



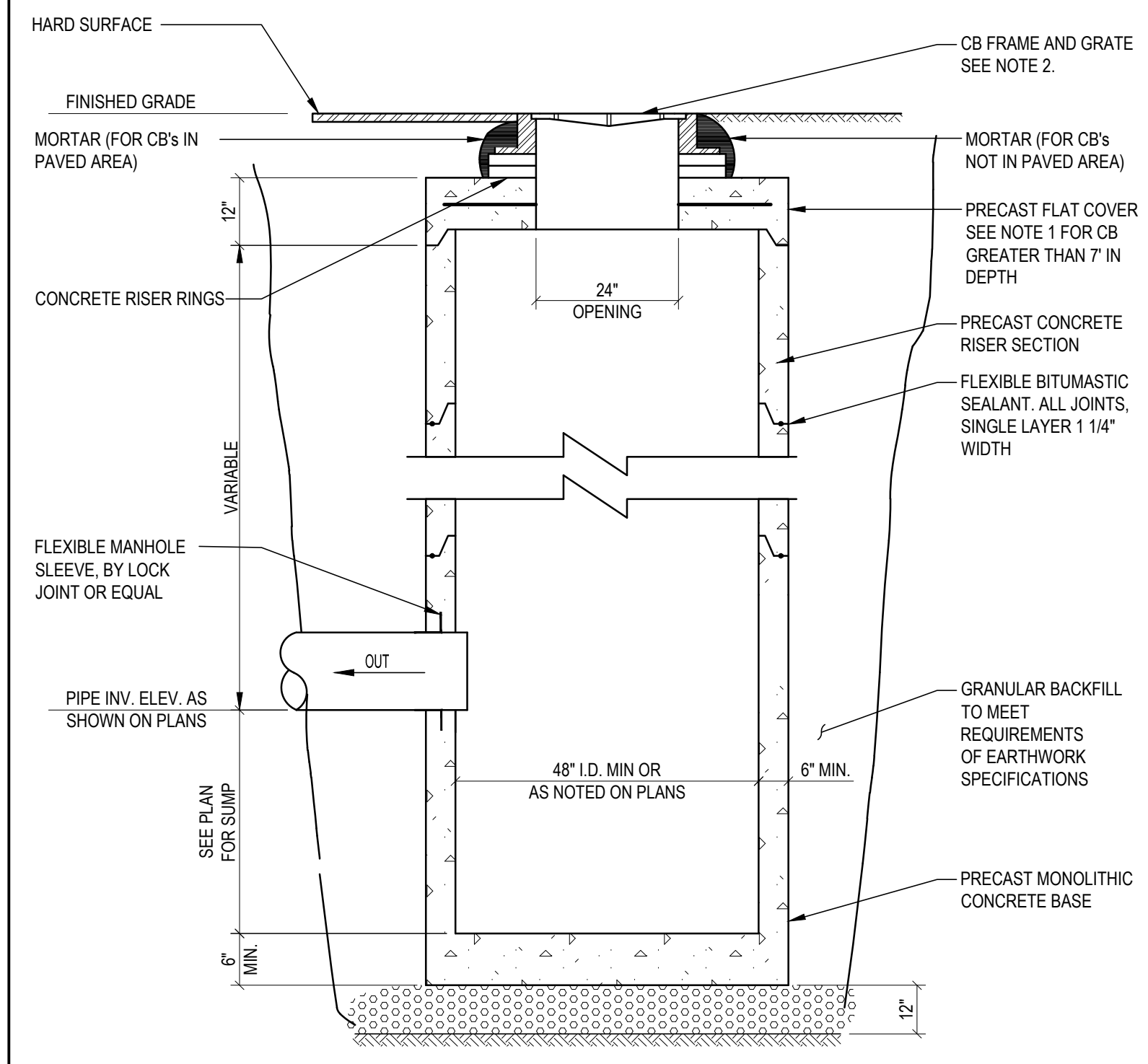
ASPHALT PAVEMENT TRENCH PATCH DETAIL

SCALE: NONE



STONE DISPERSAL PAD DETAIL

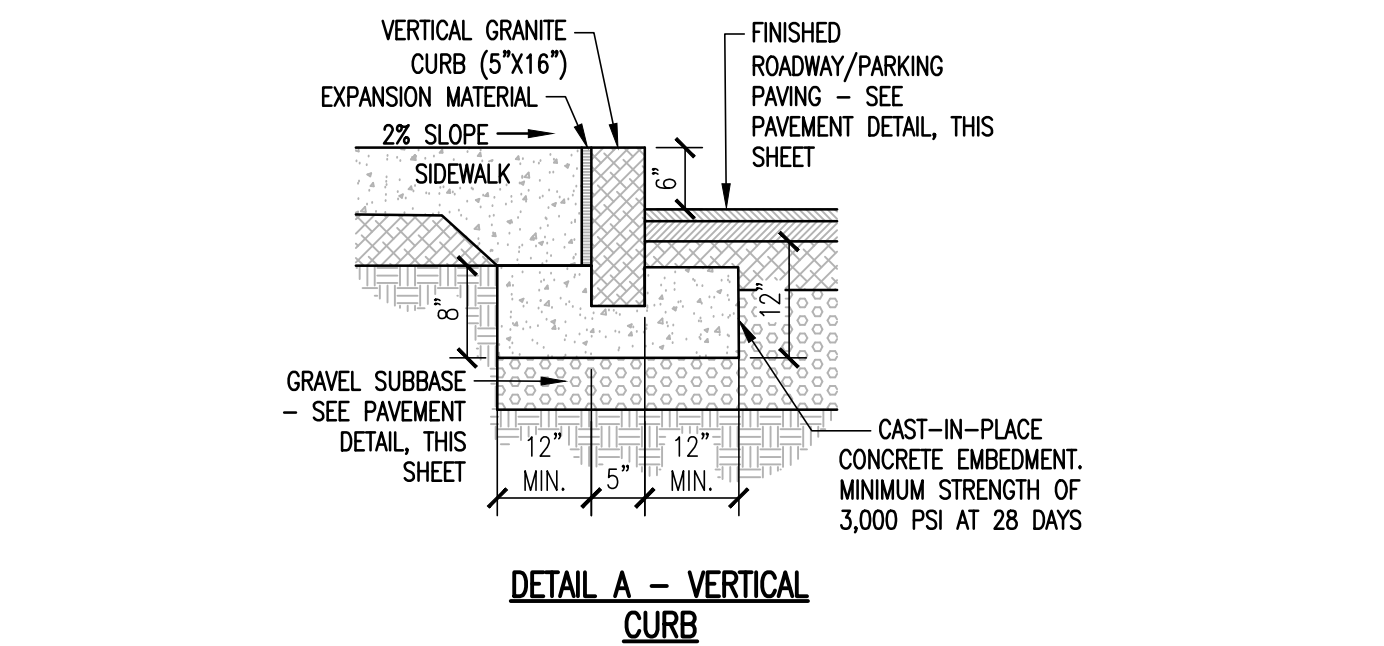
SCALE: NONE



STORM CATCH BASIN DETAIL

SCALE: NONE

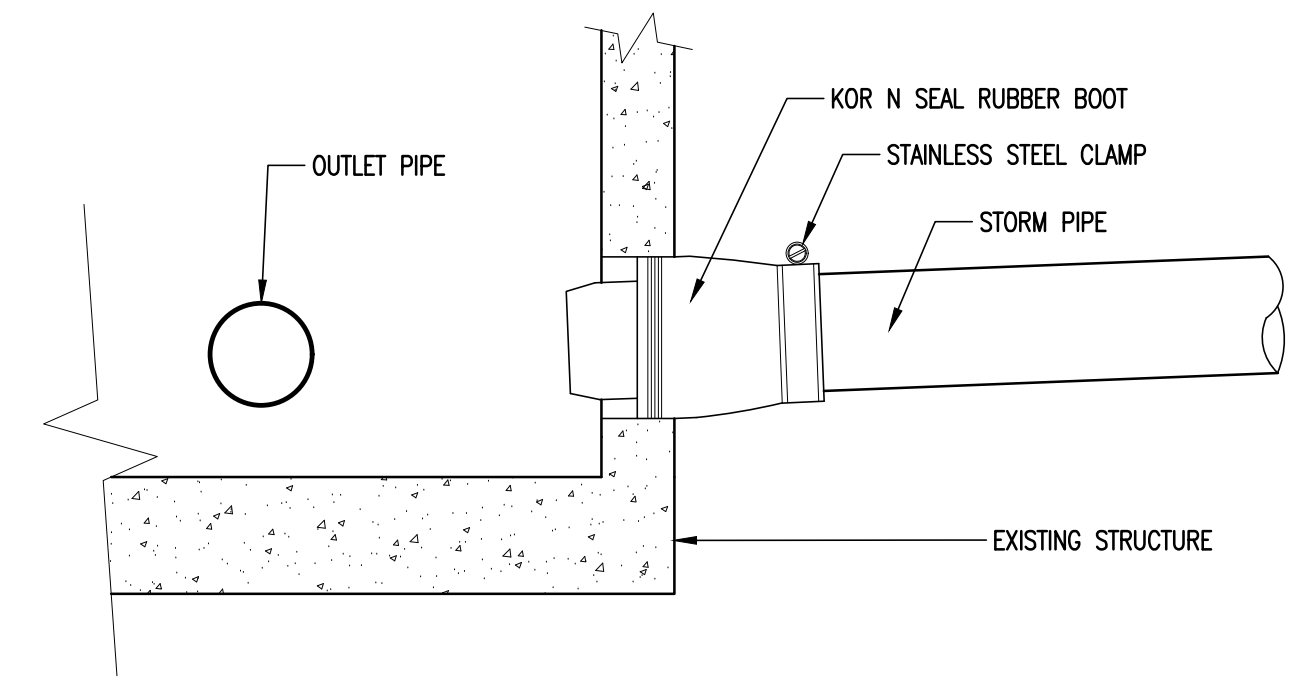
- CATCH BASIN NOTES:
1. IF DEPTH OF CATCH BASIN IS 7 FEET OR LESS FROM RIM TO CENTERLINE INVERT THEN A FLAT TOP WILL BE INSTALLED. IF DEPTH OF CATCH BASIN FROM RIM TO CENTERLINE INVERT IS MORE THAN 7 FEET THEN A CONICAL TOP WILL BE INSTALLED.
 2. PROVIDE A LEBARON 24"x24" TYPE E OR APPROVED EQUIVALENT, 3 FLANGE GRATE AND FRAME NEXT TO CURBS AND 4 FLANGE GRATE AND FRAME AT ALL OTHER LOCATIONS.
 3. CATCH BASIN AND GRATE SHALL BE DESIGNED FOR H20 LOADING.
 4. CATCH BASIN SHALL BE PRECAST CONCRETE SUPPLIED BY AN APPROVED MANUFACTURER.



GRANITE CURB DETAIL

SCALE: NONE

- VERTICAL GRANITE CURB NOTES:
1. GRANITE CURBS SHALL BE INSTALLED IN ACCORDANCE WITH PROJECT AND STATE SPECIFICATIONS.
 2. WHERE CURB IS ADJACENT TO ENTRY/EXIT DOOR PADS WITH FROST WALL FOUNDATIONS, CURB SHALL BE DOWELED TO PAD WITH 24" LONG #4 DOWELS (CENTERED) AT 1'-6" OC (PORTION OF DOWEL IN CURB TO BE GREASED).
 3. WHERE CURB IS ADJACENT TO SIDEWALK, BOLLARD OR OTHER HARD FEATURE, BACKSIDE OF CURB SHALL BE SAW CUT. 1/4" EXPANSION MATERIAL (FULL DEPTH OF CURB), SHALL BE INSTALLED BETWEEN FEATURE AND CURB.
 4. COORDINATE WITH STRUCTURAL DETAILS.



STORM STRUCTURE CONNECTION DETAIL

SCALE: NONE

- KOR N SEAL NOTES:
1. CORE HOLE SHALL BE SMOOTH, SYMMETRICAL, AND APPROPRIATELY SIZED FOR STORM PIPE INSTALLATION.
 2. NEW INLET INVERTS SHALL BE A MINIMUM OF 0.1' ABOVE EXISTING OUTLET INVERT.

EARTHWORK NOTES

1. PRIOR TO THE START OF WORK, A PRE-CONSTRUCTION MEETING WILL BE HELD WITH THE CONTRACTOR, OWNER, PROJECT ENGINEER AND TOWN DPW TO REVIEW PROCEDURES AND IDENTIFY RESPONSIBILITIES. 4 WEEKS NOTICE SHALL BE GIVEN TO THE TOWN PRIOR TO START OF CONSTRUCTION. UNLESS STATED OTHERWISE STATED, ALL MATERIALS AND METHODS SHALL BE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE VTRANS SPECIFICATIONS.
2. CLEARING AND GRUBBING- SITE TO BE RESTORED TO PRE-CONSTRUCTION CONDITIONS, INCLUDING DRIVEWAYS, STONE WALLS, AND GRASS AREAS. THE DRIVEWAY SUB-GRADE MATERIAL SHALL EXTEND ONE FOOT BEYOND THE EDGE OF PAVING.
3. COMPACTION OF ALL MATERIALS SHALL BE PERFORMED USING VIBRATORY ROLLERS AND WATER IN LIFTS OF NO GREATER THAN TWELVE INCHES. COMPACTION SHALL BE PERFORMED UNTIL THE REQUIRED DENSITY IS ACHIEVED. DENSITY SHALL BE DETERMINED BY ASTM D2922 AND SHALL NOT BE LESS THAN THE REQUIRED AMOUNT AS DETERMINED IN ACCORDANCE WITH ASTM D1557.
4. COMPACTION TESTING SHALL BE PERFORMED FOR EVERY LAYER OF MATERIAL PLACED AND FOR EVERY 2500 SQUARE FEET OF AREA.
5. PAVEMENT SHALL MEET THE LATEST EDITION OF THE 'STANDARD SPECIFICATIONS FOR CONSTRUCTION' AS PUBLISHED BY VTRANS.
6. PAVEMENT SHALL NOT BE INSTALLED WHEN THE OUTSIDE AIR TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT, NOR WHEN THE ROAD BASE TEMPERATURE IS BELOW 40 DEGREES FAHRENHEIT. PAVEMENT SHALL NOT FALL BELOW 185 DEGREES FAHRENHEIT PRIOR TO THE COMPLETION OF ROLLING. PAVEMENT SHALL NOT BE INSTALLED WHEN THE SUBGRADE IS FROZEN OR THE GRADES ARE INCORRECT.
7. ALL REMAINING DISTURBED AREAS SHALL BE FERTILIZED AND SEEDING IN ACCORDANCE WITH APPLICABLE STATE SPECIFICATIONS FOR EROSION CONTROL.
8. THE SEEDING OF 10% OR GREATER SLOPES SHALL REQUIRE THE USE OF EROSION CONTROL MATTING.
9. ALL EARTHWORK MATERIALS SHALL BE OBTAINED FROM APPROVED SOURCES. THEY SHALL CONSIST OF SATISFACTORILY GRADED, FREE DRAINING MATERIAL, REASONABLY FREE FROM LOAM, SILT, CLAY AND ORGANIC MATERIAL. EARTHWORK MATERIALS SHALL MEET THE REQUIREMENTS OF THE FOLLOWING TABLES:

A. SAND BLANKET/BEDDING:	SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
	2 INCHES	100
	1-1/2 INCHES	90 - 100
	1/2 INCH	70 - 100
	NO. 4	60 - 100
	NO. 100	0 - 20
	NO. 200	0 - 8

B. 3/4" CRUSHED STONE:	SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
	1 INCH	100
	3/4 INCHES	90 - 100
	3/8 INCH	20 - 55
	NO. 4	0 - 10
	NO. 8	0 - 5

C. 1 1/2" CRUSHED STONE:	SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
	1 3/4 INCH	100
	1 1/2 INCH	90 - 100
	1 INCH	20 - 55
	3/4 INCH	0 - 15
	3/8 INCH	0 - 5

D. COARSE CRUSHED GRAVEL:	SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
	4 INCHES	95 - 100
	NO. 4	25 - 50
	NO. 100	0 - 12
	NO. 200	0 - 6

E. FINE CRUSHED GRAVEL:	SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
	2 INCHES	100
	1-8 INCHES	90 - 100
	NO. 4	30 - 60
	NO. 10	0 - 12
	NO. 200	0 - 6

F. GRANULAR BACKFILL:	SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
	3 INCHES	100
	2 1/2 INCHES	90 - 100
	NO. 4	45 - 75
	NO. 10	0 - 12
	NO. 200	0 - 6

G. TYPE I STONE FOR STONE FILL	SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
	12 INCHES	100
	NO. 4	90 - 100
	NO. 10	0 - 12
	NO. 200	0 - 6

THE LONGEST DIMENSION OF THE STONE SHALL VARY FROM 1 INCH TO 12 INCHES, AND AT LEAST 50 PERCENT OF THE VOLUME OF THE STONE IN PLACE SHALL HAVE A LEAST DIMENSION OF FOUR INCHES.

H. TYPE II STONE FOR STONE FILL	SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
	36 INCHES	100
	NO. 4	90 - 100
	NO. 10	0 - 12
	NO. 200	0 - 6

THE LONGEST DIMENSION OF THE STONE SHALL VARY FROM TWO INCHES TO 36 INCHES, AND AT LEAST 50 PERCENT OF THE VOLUME OF THE STONE IN PLACE SHALL HAVE A LEAST DIMENSION OF 12 INCHES.

I. TOPSOIL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE SPECIFICALLY STATED IN THE CONTRACT DOCUMENTS:

1. THE PH OF THE MATERIAL SHALL BE BETWEEN 5.5 AND 7.6.
2. THE ORGANIC CONTENT SHALL BE NOT LESS THAN 2% NOR MORE THAN 20%.

3. GRADATION:	SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
	2 INCHES	100
	1 INCH	85 - 100
	1/4 INCH	65 - 100
	NO. 200	20 - 80

THE CONTRACTOR MAY AMEND NATURAL TOPSOIL WITH APPROVED MATERIALS AND BY APPROVED METHODS TO MEET THE ABOVE SPECIFICATIONS.

J. DRAINAGE AGGREGATE:	SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
	1 INCH	100
	3/4 INCH	90 - 100
	3/8 INCH	20 - 55
	NO. 4	60 - 100
	NO. 10	0 - 10
	NO. 200	0 - 5

K. AGGREGATE FOR EROSION PREVENTION AND SEDIMENT CONTROL	SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
	4 INCH	80 - 100
	3 INCH	40 - 60
	2 INCH	0 - 20

L. DENSE GRADED CRUSHED STONE FOR SUBBASE	SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
	3 1/2 INCH	100
	3 INCH	90 - 100
	2 INCH	75 - 100
	1 INCH	50 - 80
	1/2 INCH	30 - 80
	NO. 4	15 - 40
	NO. 200	0 - 6

M. 2" CRUSHED STONE	SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVES
	3 INCH	100
	2 INCH	75 - 100
	1 INCH	0 - 10
	1/4 INCH	0 - 5

Date	Description
9/29/2025	COORDINATION UPDATE

ENGINEERING VENTURES PC
 208 Flynn Avenue, Suite 2A, Burlington, VT 05401 • 802-863-6225
 85 Mechanic Street, Suite E2-3, Lebanon, NH 03766 • 603-442-3333
 414 Union Street, Schenectady, NY 12305 • 518-205-9141
 www.engineeringventures.com

TONI PIPPY
 TOWN OF STRAFFORD
 227 JUSTIN MORRILL MEMORIAL HWY
 STRAFFORD, VERMONT
 PHONE NUMBER

Site Details
 STRAFFORD TOWN OFFICE
 RENOVATIONS
 STRAFFORD, ORANGE COUNTY, VERMONT

EV Project #	24537
Drawn By:	LRL
Checked By:	PB
Scale:	1" = 5'
Date:	08/12/2025

C301