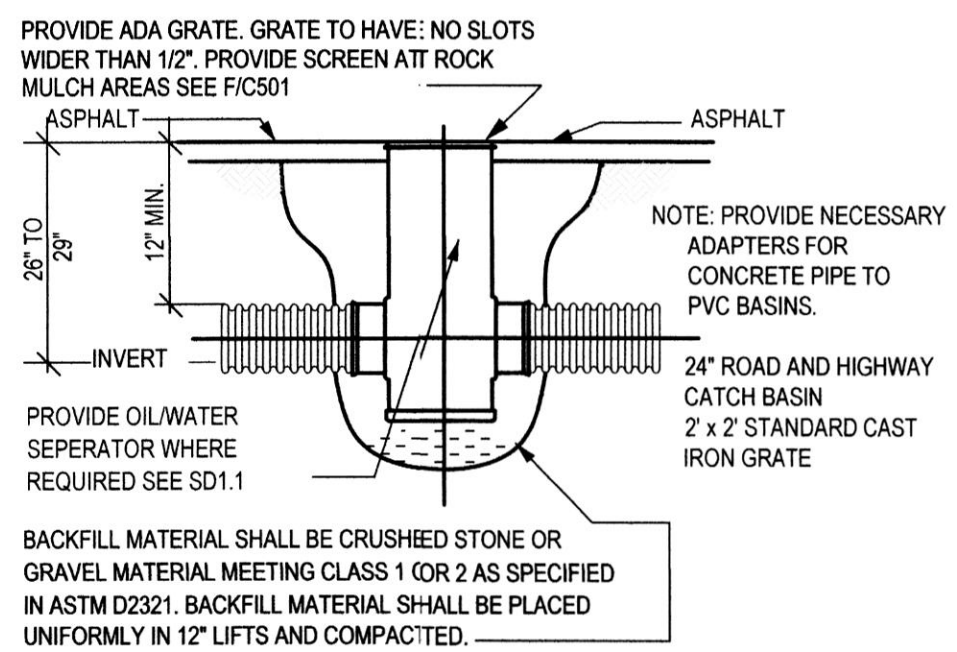


A SIDEWALK AREA POLE BASE

SCALE: N.T.S.



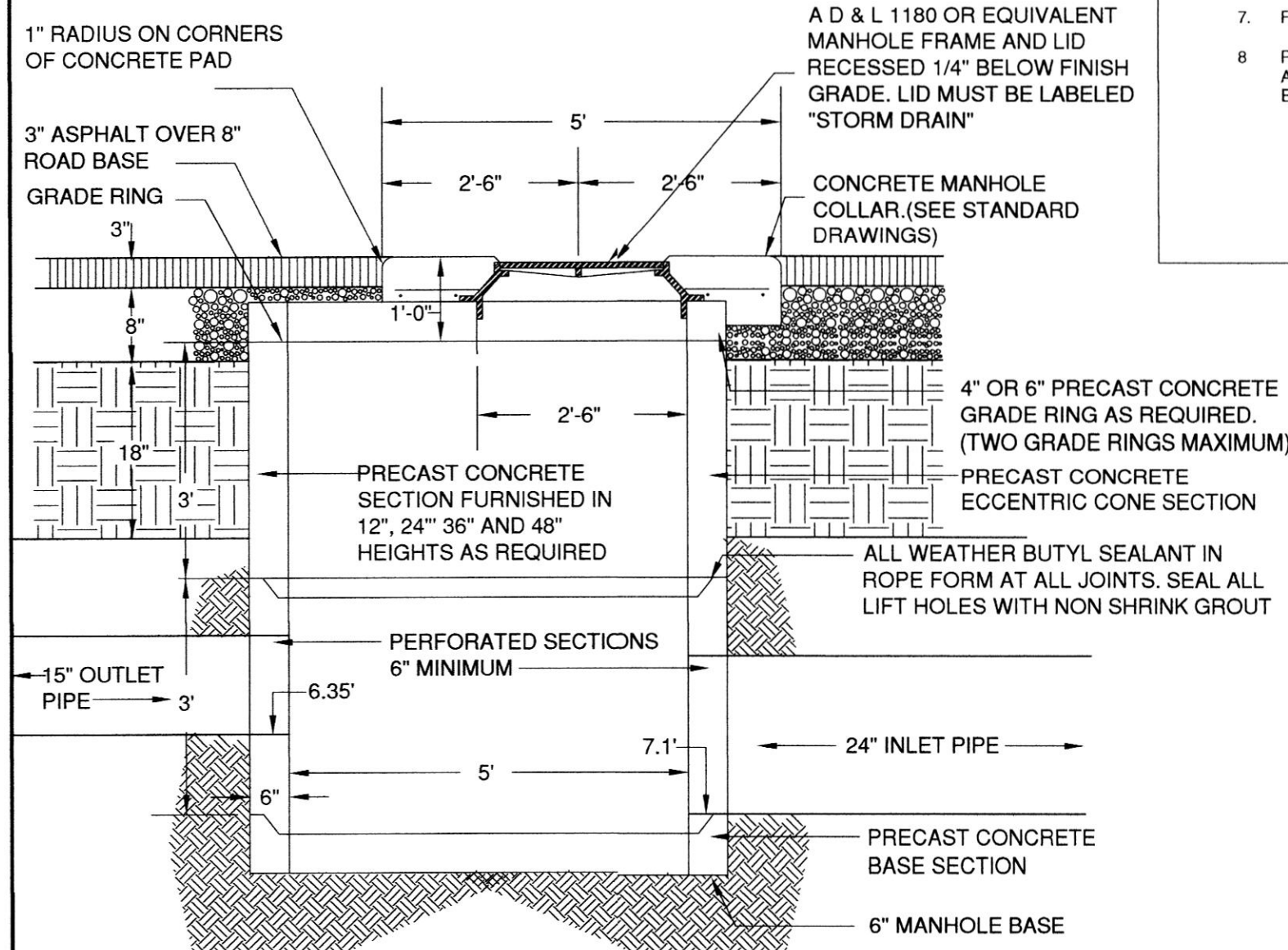
B INLET BOX IN LANDSCAPE

SCALE: N.T.S.

F 24" AREA NYLOPLAST DRAIN BOX

SCALE: N.T.S.

NOTE: (DIAMETER OF BASIN DETERMINED BY NUMBER OF PIPES IN AND OUT) PER MANUFACTURER'S REQUIREMENT.



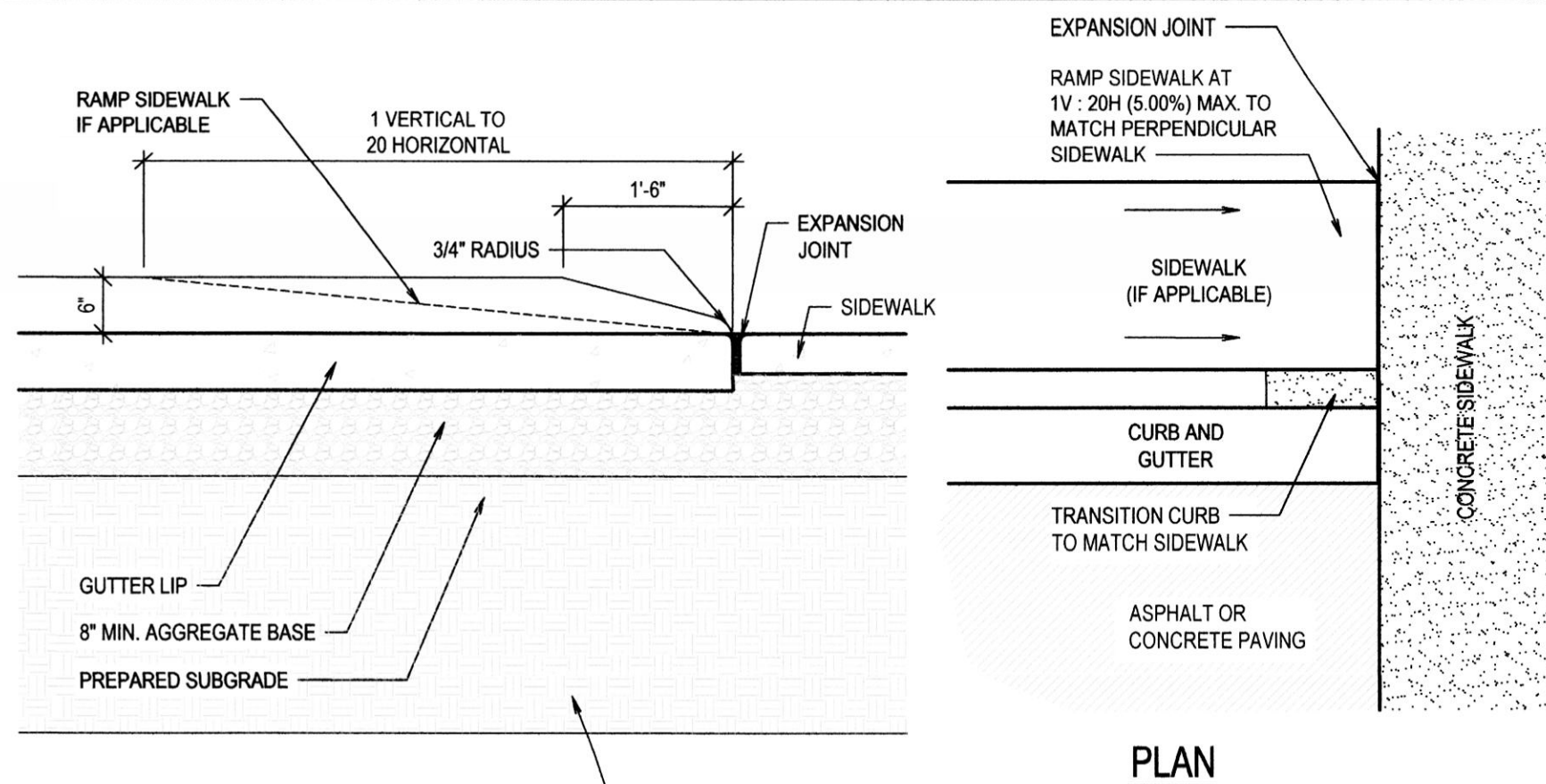
H STORM DRAIN MANHOLE

SCALE: N.T.S.

PERCENTAGE OF SNOOT OPEN AREA VS OUTLET PIPE OPEN AREA				
PIPE SIZE	5618AG0412	5624AG0418	5630AG0418	5630AG24
4"	551%	893%	1395%	2469%
6"	257%	417%	651%	1153%
8"	145%	235%	366%	649%
10"	93%	150%	235%	415%
12"	63%	102%	159%	281%
15"	N/A	67%	104%	184%
18"	N/A	46%	72%	127%
24"	N/A	N/A	N/A	72%

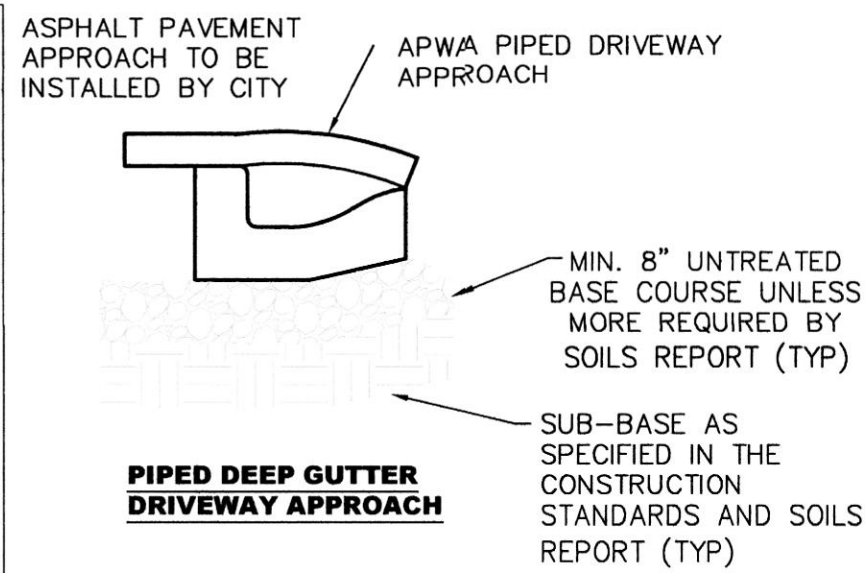
		B	B	B	
PIPE SIZE	A	18" BASIN	24" BASIN	30" BASIN	C
4"	7.51	24.18	30.05	36.87	12.00
6"	9.25	22.44	28.31	35.13	12.00
8"	11.29	24.40	30.27	37.09	16.00
10"	13.21	26.48	32.35	39.17	20.00
12"	15.05	28.64	34.51	41.33	24.00
15"	17.78	N/A	37.78	44.60	30.00
18"	20.98	N/A	40.58	47.40	36.00
24"	27.79	N/A	N/A	58.96	48.00

BASIN SIZE	D	E	OPEN AREA W/ SNOOT	SNOOT PART #	OPEN AREA W/O SNOOT
18"	9.45	8.52	181.34	5618AG0412	254.07
24"	12.24	11.59	290.50	5624AG0418	446.00
30"	15.25	15.50	509.95	5630AG0418	742.40
30"	21.75	8.99	354.63	5630AG24	742.40



C CURB TRANSITION

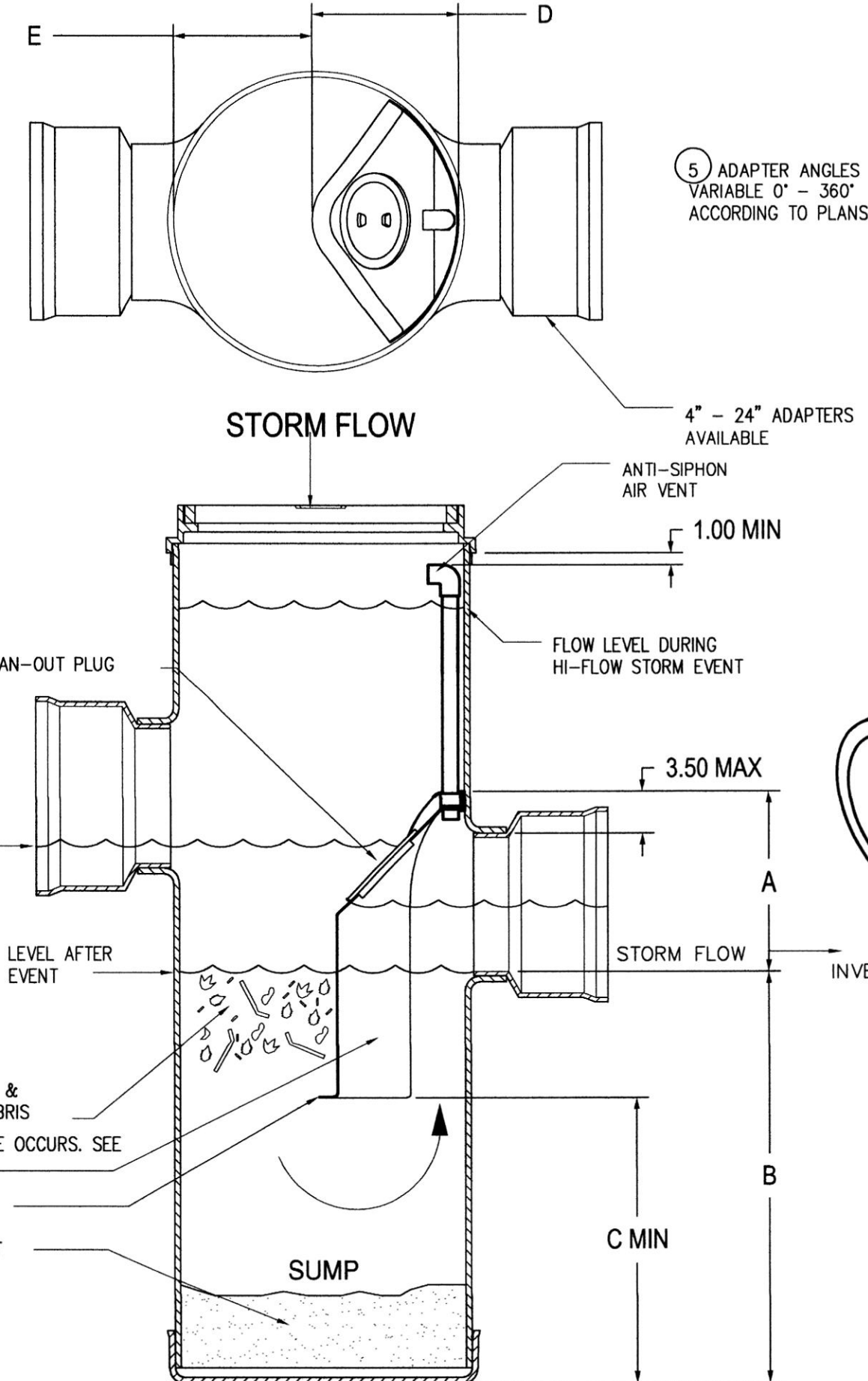
SCALE: N.T.S.



G PIPED DRIVEWAY APPROACH

SCALE: N.T.S.

- NOTES:**
- SUB-BASE UNDER ALL CURBS AND GUTTERS SHALL MATCH WHAT IS IN THE ROAD WITH A MINIMUM OF 8" OF COMPACTED UNTREATED BASE COURSE.
 - IF CONCRETE IS TO BE POURED NEXT TO A CURB #4 REBAR SHALL BE DOWELED 3" INTO CURB AND 4" INTO SIDEWALK. REBAR SHALL BE INSTALLED A MINIMUM OF 2" FROM TOP OF THE SIDEWALK AND CURB 24" O.C.
 - TACK SHALL BE APPLIED TO LIP OF CURB AND EXTEND 1" ONTO GRAVEL ROAD BASE.
 - STEEL DRIVE APPROACH MAY ONLY BE USED WHEN AUTHORIZED BY THE CITY ENGINEER



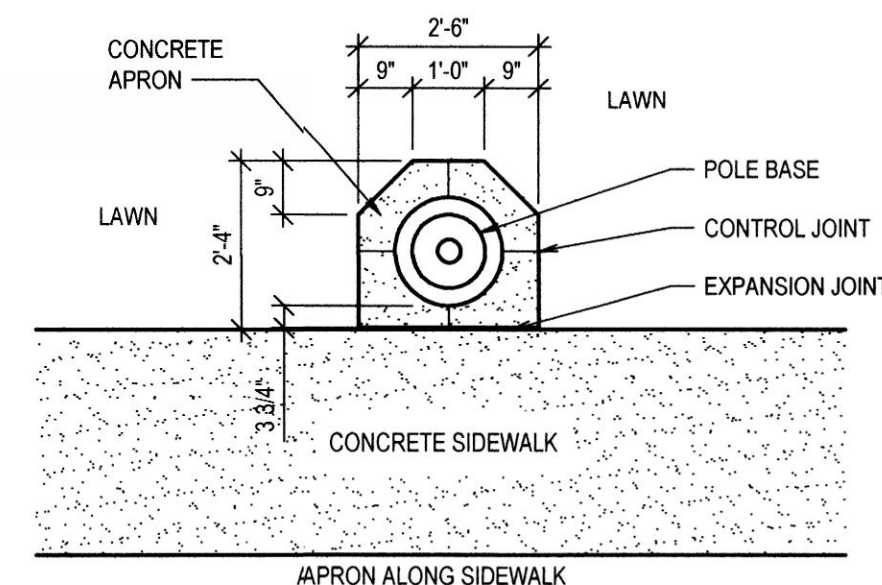
- SNOOT AVAILABLE WITH ALL 18" - 30" STRUCTURE OPTIONS (CUSTOM BASIN, ROAD & HIGHWAY, & CURB INLET)
- FRAMES, GRATES, HOODS, & BASE PLATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
- DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS SEE DRAWING NO. 7001-110-065
- DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCO DUAL WALL) & SDR 35 PVC
- ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°, TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7004-110-043, 7004-110-044, & 7004-110-045

- VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE: 4" - 24" FOR CORRUGATED HDPE (ADS N-12, ADS SINGLE WALL, HANCO DUAL WALL), SDR 35, SCH 40 DWV, CORRUGATED & RIBBED PVC

THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS II MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321.

D NYLOPLAST ROAD AND HIGHWAY STRUCTURE WITH SNOOT

NOT TO SCALE



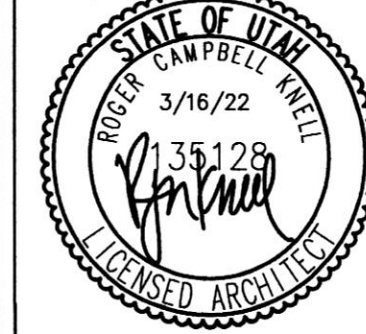
E POLE BASE PLAN VIEW

SCALE: N.T.S.

Architect / Engineer:

KNELL ARCHITECTS, P.C.
45 EAST 300 NORTH, PROVO, UTAH 84606
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Stamp:



SPANISH FORK 3
PARKING LOT EXPANSION

55 SOUTH 300 EAST
SPANISH FORK, UTAH

Project for:

**THE CHURCH OF
JESUS CHRIST
OF LATTER-DAY SAINTS**

Project Number:
5050715
Plan Series:
*
Property Number:
*

Sheet Title:

**SITE
DETAILS**

Sheet:

C502