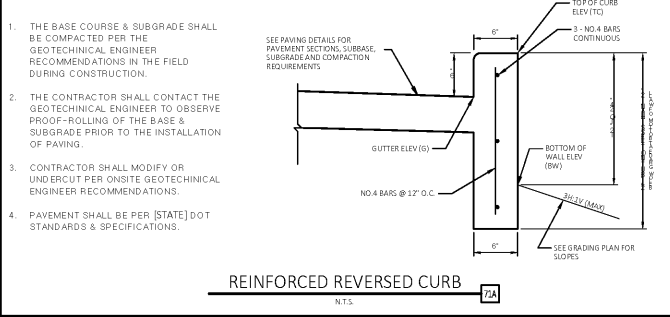


WATER LINE & FORCE MAIN
N.T.S.

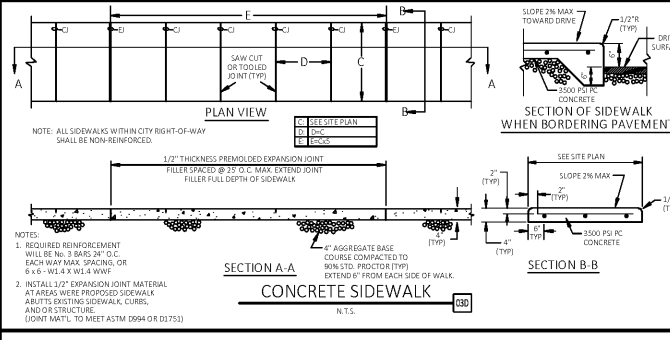
SANITARY SEWER
N.T.S.

- GENERAL NOTES**
1. BEDDING SHALL BE CLASS I-A WORKED BY HAND. IF GROUNDWATER IS ANTICIPATED, THEN BEDDING SHALL BE CLASS II-C COMPACTED TO 90% STANDARD PROCTOR. (SEE SPECIFICATIONS FOR GRAVATION)
 2. HAUNCHING SHALL BE WORKED AROUND THE PIPE BY HAND TO ELIMINATE Voids AND SHALL BE CLASS I-A OR CLASS II-C OR CLASS II-B COMPACTED TO 90% PROCTOR.
 3. INITIAL BACKFILL SHALL BE CLASS I-A WORKED BY HAND, OR CLASS II-B OR CLASS II-C COMPACTED TO 90% STANDARD PROCTOR.
 4. INITIAL BACKFILL NOT UNDER RAISED AREAS CAN BE CLASS II-C COMPACTED TO 90% STANDARD PROCTOR.
 5. FINAL BACKFILL SHALL BE CLASS I, II, OR III COMPACTED AS NOTED IN NOTES 3, AND 4.
 6. FINAL BACKFILL NOT UNDER RAISED AREAS CAN BE CLASS II-A COMPACTED TO 90% STANDARD PROCTOR.
 7. ALL MATERIALS ARE CLASSIFIED IN ACCORDANCE WITH ASTM D 2322, LATEST EDITION.
 8. ALL MATERIALS SHALL BE INSTALLED IN MAXIMUM 8" LAYER UNITS IN ACCORDANCE WITH ASTM D 988, CLASS II-B AND IV-A. MATERIALS SHALL BE COMPACTED NEAR OPTIMUM MOISTURE CONTENT.
 9. FILL SAVAGED FROM EXCAVATION SHALL BE FREE OF DEBRIS, ORGANICS AND ROCKS LARGER THAN 3".
 10. ALL TRENCH EXCAVATIONS SHALL BE SLOPED, SHORED, SHIELD, BRACED, OR OTHERWISE SUPPORTED IN ACCORDANCE WITH OSHA REGULATIONS AND LOCAL ORDINANCES. (SEE SPECIFICATIONS)

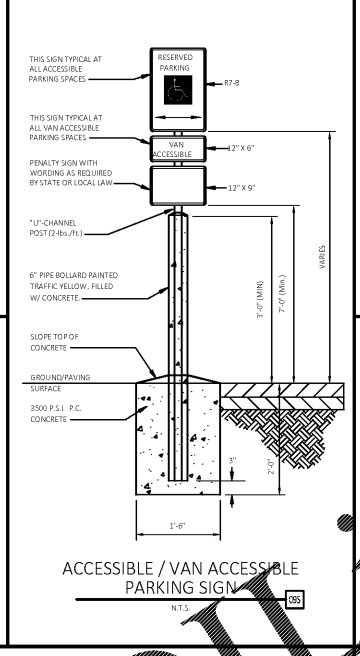
SANITARY SEWER AND WATER LINE TRENCHING AND BEDDING
N.T.S.



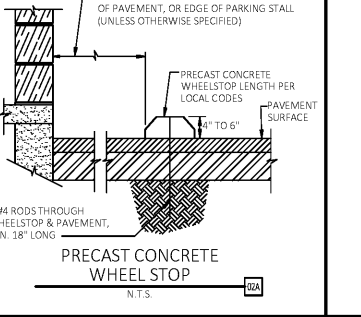
REINFORCED REVERSED CURB
N.T.S.



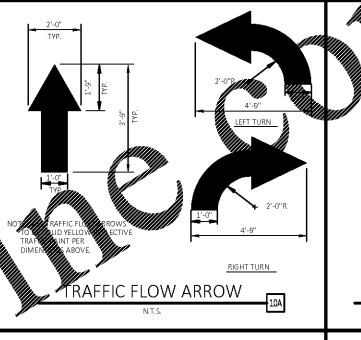
CONCRETE SIDEWALK
N.T.S.



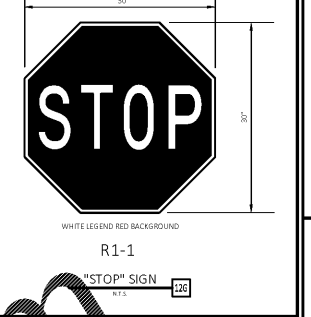
ACCESSIBLE / VAN ACCESSIBLE PARKING SIGN
N.T.S.



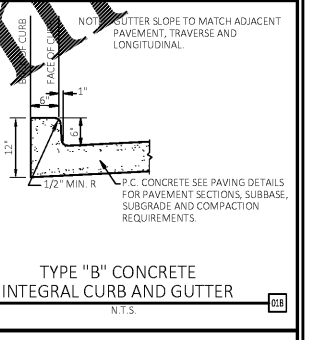
PRECAST CONCRETE WHEEL STOP
N.T.S.



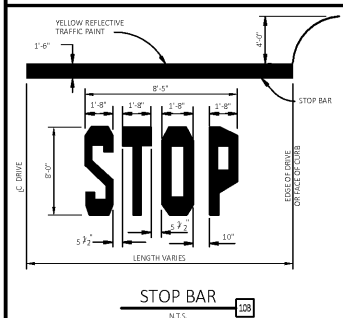
TRAFFIC FLOW ARROW
N.T.S.



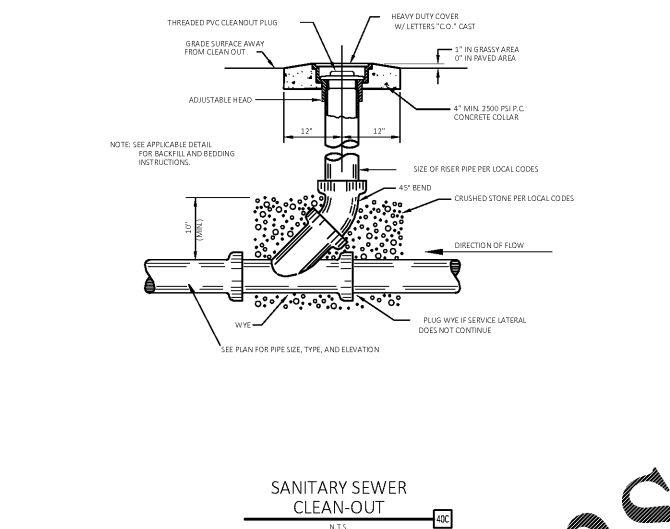
TYPE "B" CONCRETE INTEGRAL CURB AND GUTTER
N.T.S.



STOP SIGN
N.T.S.



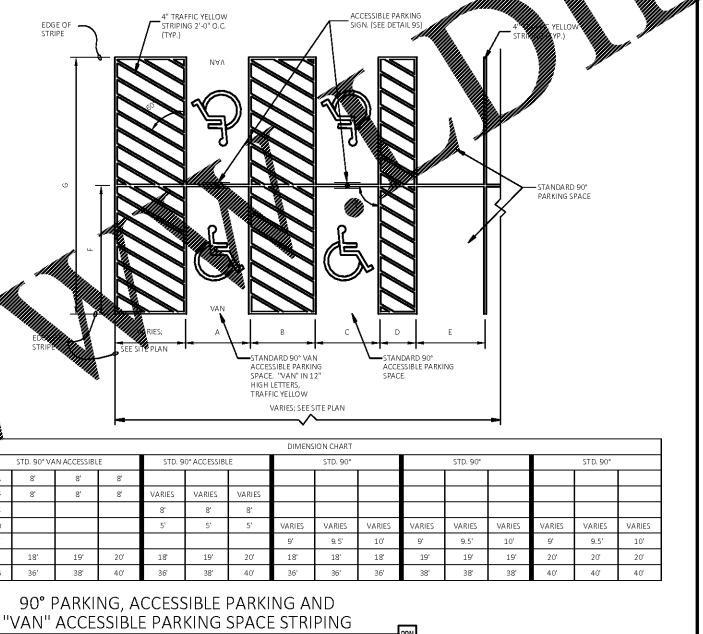
STOP BAR
N.T.S.



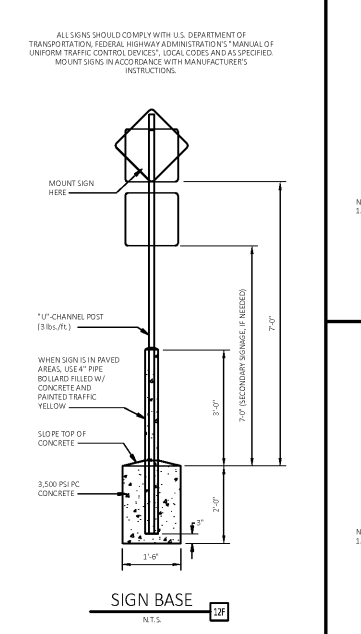
SANITARY SEWER CLEAN-OUT
N.T.S.



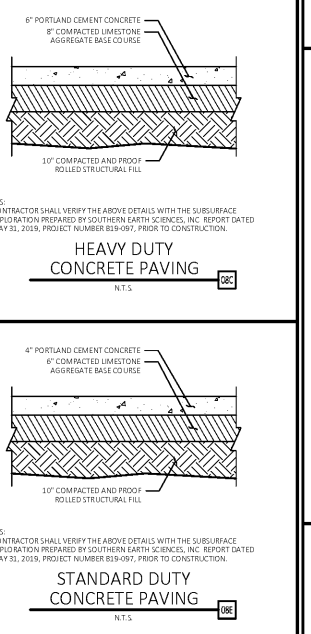
ACCESSIBLE PARKING SYMBOL
N.T.S.



90° PARKING, ACCESSIBLE PARKING AND "VAN" ACCESSIBLE PARKING SPACE STRIPING
N.T.S.

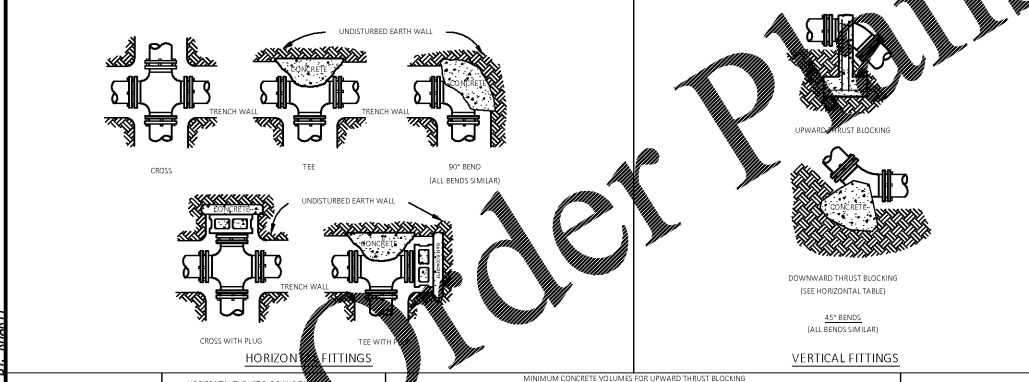


SIGN BASE
N.T.S.



HEAVY DUTY CONCRETE PAVING
N.T.S.

STANDARD DUTY CONCRETE PAVING
N.T.S.



HORIZONTAL THRUST BLOCKING
N.T.S.

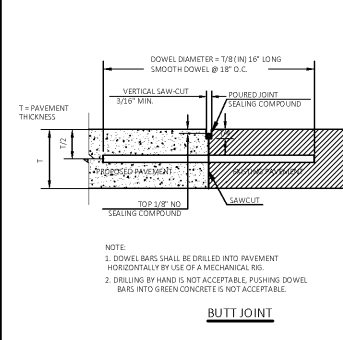
TEE FITTINGS
N.T.S.

45° BENDS
N.T.S.

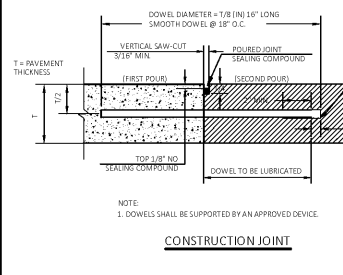
THRUST BLOCKING
N.T.S.

MINIMUM CONCRETE VOLUMES FOR UPWARD THRUST BLOCKING

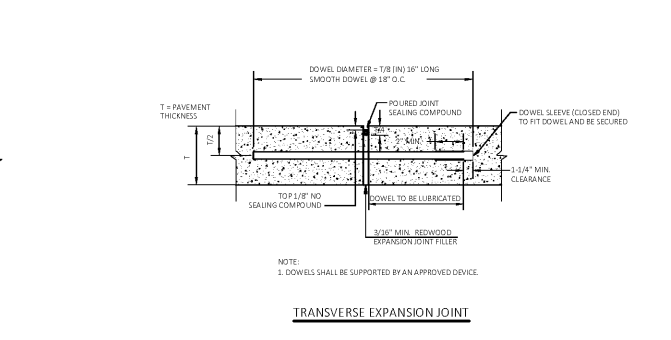
SIZE	11.25 DEGREE BEND		22.5 DEGREE BEND		45 DEGREE BEND		90 DEGREE BEND	
	ANCHOR STRIPS NO.	CONCRETE VOLUME cu. ft.	ANCHOR STRIPS NO.	CONCRETE VOLUME cu. ft.	ANCHOR STRIPS NO.	CONCRETE VOLUME cu. ft.	ANCHOR STRIPS NO.	CONCRETE VOLUME cu. ft.
12"	1	0.04	1	0.08	1	0.16	1	0.32
14"	1	0.05	1	0.10	1	0.20	1	0.40
16"	1	0.07	1	0.14	1	0.28	1	0.56
18"	1	0.09	1	0.18	1	0.36	1	0.72
20"	1	0.11	1	0.22	1	0.44	1	0.88
22"	1	0.13	1	0.26	1	0.52	1	1.04
24"	1	0.15	1	0.30	1	0.60	1	1.20
26"	1	0.17	1	0.34	1	0.68	1	1.36
28"	1	0.19	1	0.38	1	0.76	1	1.52
30"	1	0.21	1	0.42	1	0.84	1	1.68
32"	1	0.23	1	0.46	1	0.92	1	1.84
34"	1	0.25	1	0.50	1	1.00	1	2.00
36"	1	0.27	1	0.54	1	1.08	1	2.16
38"	1	0.29	1	0.58	1	1.16	1	2.32
40"	1	0.31	1	0.62	1	1.24	1	2.48
42"	1	0.33	1	0.66	1	1.32	1	2.64
44"	1	0.35	1	0.70	1	1.40	1	2.80
46"	1	0.37	1	0.74	1	1.48	1	2.96
48"	1	0.39	1	0.78	1	1.56	1	3.12
50"	1	0.41	1	0.82	1	1.64	1	3.28
52"	1	0.43	1	0.86	1	1.72	1	3.44
54"	1	0.45	1	0.90	1	1.80	1	3.60
56"	1	0.47	1	0.94	1	1.88	1	3.76
58"	1	0.49	1	0.98	1	1.96	1	3.92
60"	1	0.51	1	1.02	1	2.04	1	4.08
62"	1	0.53	1	1.06	1	2.12	1	4.24
64"	1	0.55	1	1.10	1	2.20	1	4.40
66"	1	0.57	1	1.14	1	2.28	1	4.56
68"	1	0.59	1	1.18	1	2.36	1	4.72
70"	1	0.61	1	1.22	1	2.44	1	4.88
72"	1	0.63	1	1.26	1	2.52	1	5.04
74"	1	0.65	1	1.30	1	2.60	1	5.20
76"	1	0.67	1	1.34	1	2.68	1	5.36
78"	1	0.69	1	1.38	1	2.76	1	5.52
80"	1	0.71	1	1.42	1	2.84	1	5.68
82"	1	0.73	1	1.46	1	2.92	1	5.84
84"	1	0.75	1	1.50	1	3.00	1	6.00
86"	1	0.77	1	1.54	1	3.08	1	6.16
88"	1	0.79	1	1.58	1	3.16	1	6.32
90"	1	0.81	1	1.62	1	3.24	1	6.48
92"	1	0.83	1	1.66	1	3.32	1	6.64
94"	1	0.85	1	1.70	1	3.40	1	6.80
96"	1	0.87	1	1.74	1	3.48	1	6.96
98"	1	0.89	1	1.78	1	3.56	1	7.12
100"	1	0.91	1	1.82	1	3.64	1	7.28



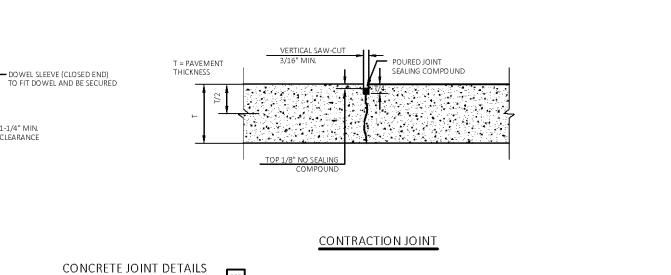
BUTT JOINT
N.T.S.



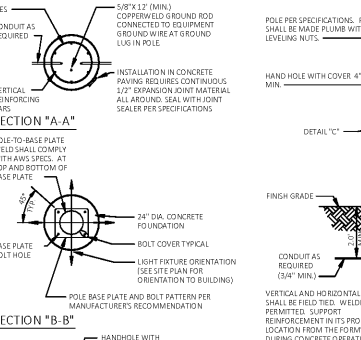
CONSTRUCTION JOINT
N.T.S.



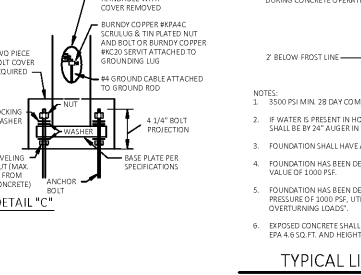
TRANSVERSE EXPANSION JOINT
N.T.S.



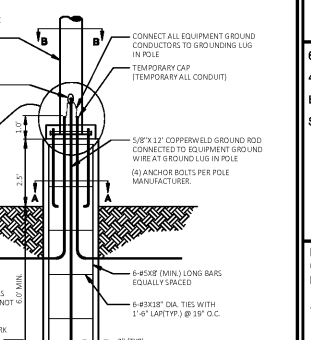
CONTRACTION JOINT
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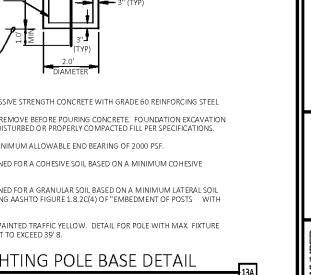
SECTION "A-A"
N.T.S.



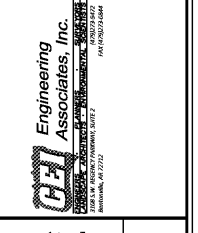
SECTION "B-B"
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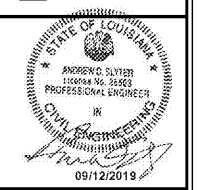
SECTION "C-C"
N.T.S.



TYPICAL LIGHTING POLE BASE DETAIL
N.T.S.



NEW FCAC STORE
8 BAY - FCAC - I-RIGHT
233 S. AIRLINES HWY
GONZALES, LA



6 DIGIT NO.: 902556
4 DIGIT NO.: 014W
ENTITY ID NO.: 1392476
SITE ID NO.: 2496

FILE NAME: 31214 CS.dwg
CEI PROJECT NUMBER: 31214
REVISION: REV-1 DATE: 9/11/19
REVISION #1 - 9/11/19

BID SET
11.18.19
TRCI

SHEET TITLE:
DETAIL SHEET I

SHEET NUMBER:
C7

DWG # 31214 DRAWING: 31214_CS.dwg LAST SAVED BY: RHARTY