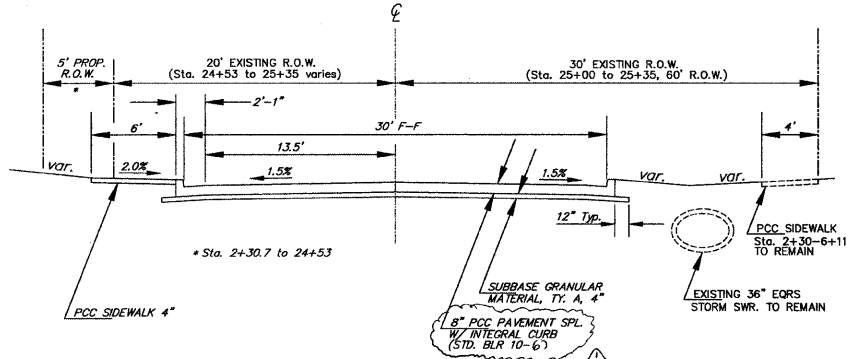
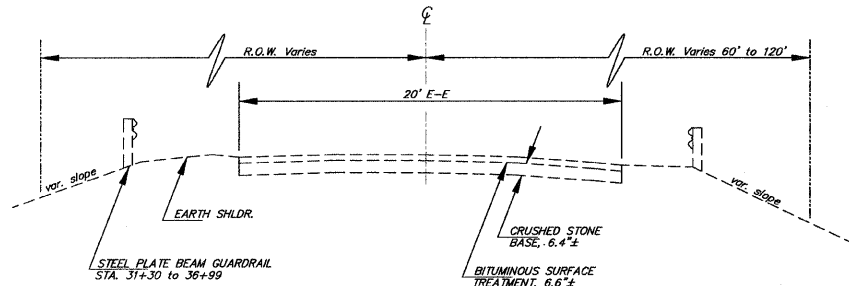


EXISTING TYPICAL SECTION TO BE REMOVED:
Sta. 2+20 to 25+35

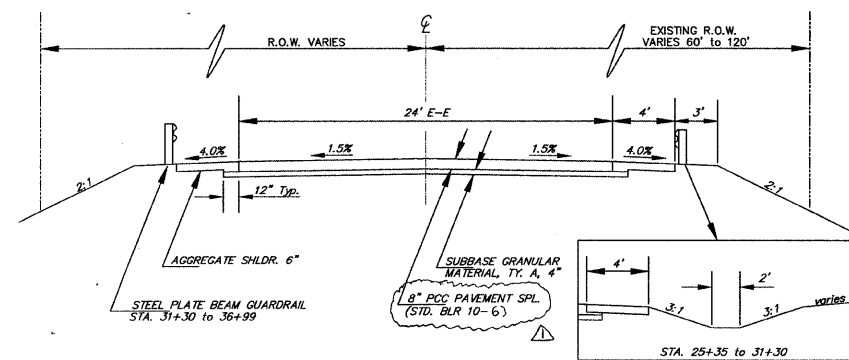


PROPOSED TYPICAL SECTION:
Sta. 2+20 to 25+35

STRUCTURAL DESIGN
CLASS IV STREET
DESIGN PERIOD, 20 YEARS
STRUCTURAL DESIGN TRAFFIC (S.D.T.) YEAR 2030 - 1,300
P.V. 1,235 S.U. 50 M.U. 15
SOIL SUPPORT VALUE I.B.R. - 3.1
TRAFFIC FACTOR (T.F.) - 0.5
PAVEMENT STRUCTURE MATERIALS
BLR 10-6, P.C.C. PAVEMENT, SPECIAL 8.00" w/P.C.C. CURB & GUTTER
SUB-BASE --- GRANULAR MATERIAL TYPE A, 4"



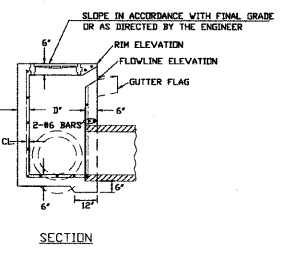
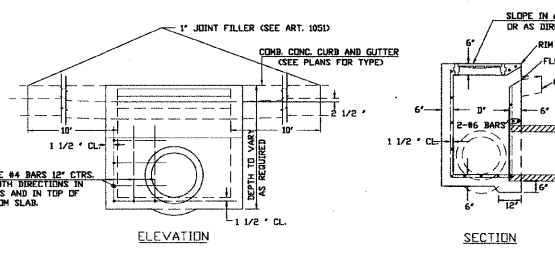
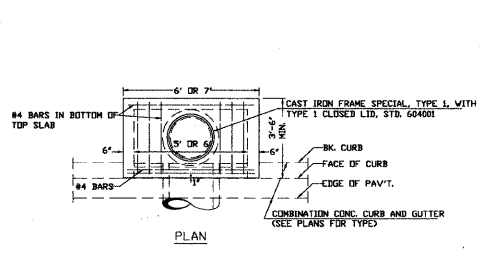
EXISTING TYPICAL SECTION TO BE REMOVED:
Sta. 25+35 to 36+99



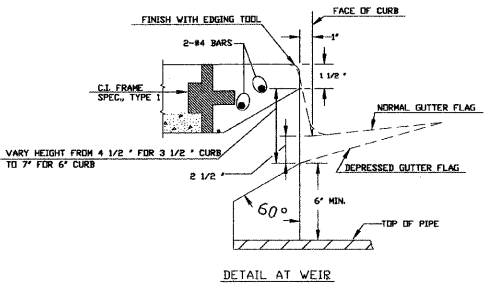
PROPOSED TYPICAL SECTION:
Sta. 25+35 to 36+99

STRUCTURAL DESIGN
CLASS IV STREET
DESIGN PERIOD, 20 YEARS
STRUCTURAL DESIGN TRAFFIC (S.D.T.) YEAR 2030 - 1,230
P.V. 1,165 S.U. 50 M.U. 15
SOIL SUPPORT VALUE I.B.R. - 3.1
TRAFFIC FACTOR (T.F.) - 0.5
PAVEMENT STRUCTURE MATERIALS
BLR 10-6, P.C.C. PAVEMENT, SPECIAL 8.00" w/P.C.C. CURB & GUTTER
SUB-BASE --- GRANULAR MATERIAL TYPE A, 4"

Revised 2-10-10

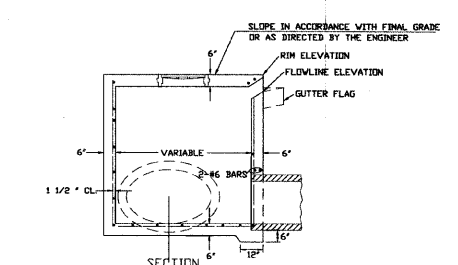
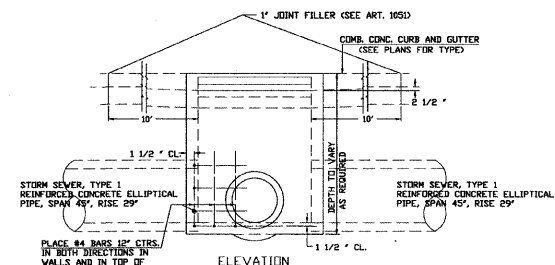
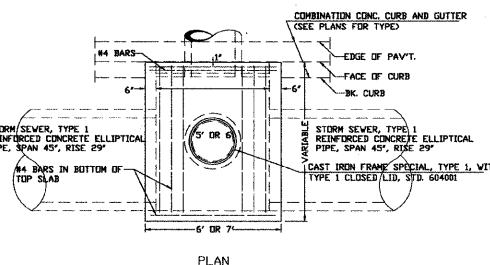


NOTES:
CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
SET FACE OF INLET 1" BEHIND FACE OF CURB. DEPRESS GUTTER FLOWLINE AT INLET 2 1/2" BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.
INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR INLET, SPECIAL, TYPE 3, 5 FEET WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME, SPECIAL, TYPE 1 WITH TYPE 1 CLOSED LID, THE REINFORCEMENT BARS, METAL STEPS AND JOINT FILLER.
WHERE GALV. IRON STEPS AS DETAIL HEREIN ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT WILL CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN, MAY BE USED WHEN APPROVED BY THE ENGINEER.
INLETS MAY BE PRECAST WHEN APPROVED BY THE ENGINEER.

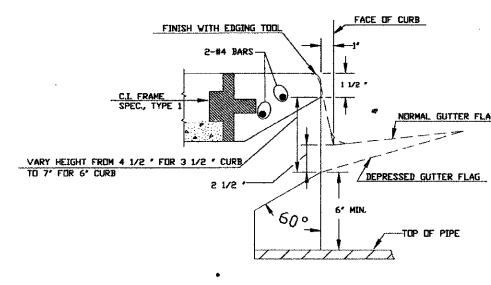


DETAILS OF INLET SPECIAL, TYPE 3, 5 FEET AND 6 FEET

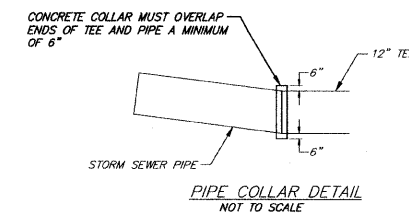
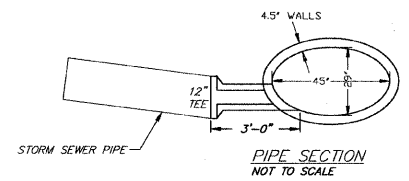
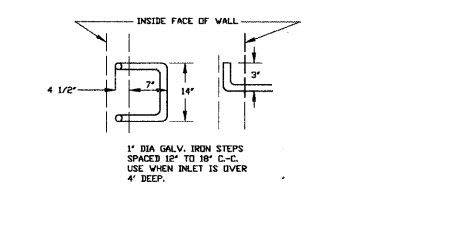
DESIGN	PIPE DIAM.	"D"
A	18" & LESS	2'-6"
B	21" & 24"	3'-0"
C	27" & 30"	3'-7"
D	33" & 36"	4'-2"
E	42"	4'-9"
F	48"	5'-0"
G	54"	6'-1"



NOTES:
CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
SET FACE OF INLET 1" BEHIND FACE OF CURB. DEPRESS GUTTER FLOWLINE AT INLET 2 1/2" BELOW NORMAL GUTTER FLOWLINE. CONSTRUCT TRANSITION IN FLOWLINE IN 10 FEET EACH SIDE OF INLET. PIPES TO BE CONNECTED TO INLET AS SHOWN ON STORM SEWER LAYOUT.
INLETS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR INLET, SPECIAL, TYPE 3, 5 FEET WHICH PRICE SHALL INCLUDE THE CAST IRON FRAME, SPECIAL, TYPE 1 WITH TYPE 1 CLOSED LID, THE REINFORCEMENT BARS, METAL STEPS AND JOINT FILLER.
WHERE GALV. IRON STEPS AS DETAIL HEREIN ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT WILL CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN, MAY BE USED WHEN APPROVED BY THE ENGINEER.
INLETS MAY BE PRECAST WHEN APPROVED BY THE ENGINEER.



DETAILS OF INLET, SPECIAL



LEGEND FOR PLAN SHEETS

- | | | |
|-------------------------------------|-------------------------|---------------------------------|
| --- PROP. COMBINATION CURB & GUTTER | ■ PROPOSED INLET | ○ MAIL BOX |
| --- PROP. DEPRESSED CURB | ● PROPOSED MANHOLE | ○ MANHOLE |
| --- EXISTING GAS LINE | △ SIGN | ■ FENCE POST |
| --- EXISTING WATER LINE | ● GAS VALVE | ⊕ POWER POLE |
| --- EXISTING SANITARY SEWER | ● TREE | ⊕ TELEPHONE POLE |
| --- EXISTING STORM SEWER | ● TREE TO BE REMOVED | ⊕ WATER VALVE |
| --- EXISTING FENCE | ▲ GAS METER | ⊕ FIRE HYDRANT |
| --- PROPOSED STORM SEWER | ⊙ VAPOR LIGHT | --- EXISTING DITCH FLOW LINE |
| --- EXISTING RIGHT-OF-WAY | ○ WATER METER | --- PROPOSED DITCH FLOW LINE |
| --- PROPOSED EASEMENT | • PROPERTY CORNER | --- PROPOSED SWALE |
| --- PROPOSED R.O.W. LINE | ● EXISTING SIGNAL LIGHT | --- PROPOSED FLARED END SECTION |
| --- CONSTRUCTION LIMITS | ○ GUY WIRE | --- C.P. GOLD PATCH |
| | □ TEL. PEDESTAL | |

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6" TO 15" DIAMETER)	UNIT	75
20100210	TREE REMOVAL (OVER 15" DIAMETER)	UNIT	450
20200100	EARTH EXCAVATION	CU YD	3,600
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	625
20800150	TRENCH BACKFILL	CU YD	49
25000100	SEEDING, CLASS 1	ACRE	2
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	180
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	180
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	180
25000700	AGRICULTURAL GROUND LIMESTONE	TON	4
25002300	TEMPORARY SEEDING	ACRE	2
25100630	EROSION CONTROL BLANKET	SQ YD	9,680
28000305	TEMPORARY DITCH CHECKS	FOOT	200
28000400	PERIMETER EROSION BARRIER	FOOT	2,398
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A, 4"	SQ YD	11,742
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	595
LR420129	PORTLAND CEMENT CONCRETE PAVEMENT, 8" SPECIAL w/ INTEGRAL CURB	SQ YD	7,717
42001300	PROTECTIVE COAT	SQ YD	12,000
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY, 6"	SQ YD	674
42400800	DETECTABLE WARNINGS	SQ FT	72
42400100	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	SQ FT	13,232
44000100	PAVEMENT REMOVAL	SQ YD	8,696
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	654
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	398
44000600	SIDEWALK REMOVAL	SQ FT	1,294
48100100	AGGREGATE SHOULDERS, TYPE A	TON	325
50105220	PIPE CULVERT REMOVAL	FOOT	148
50901760	PIPE HANDRAIL	FOOT	30
54011005	PRECAST CONCRETE BOX CULVERT 10' X 5'	FOOT	8
550A0050	STORM SEWERS, CLASS A, TYPE 1, 12"	FOOT	372
60100935	PIPE DRAINS, 10"	FOOT	477
60100945	PIPE DRAINS, 12"	FOOT	45
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	15
60242400	INLETS, SPECIAL	EACH	7
60243300	INLETS, SPECIAL, TYPE 3, 5 FT.	EACH	20
60300350	MANHOLE FRAMES, TO BE ADJUSTED	EACH	6
60500060	REMOVING INLETS	EACH	3
60600095	CLASS SI CONCRETE OUTLET	CU YD	5.4
* 63000002	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6.75 FOOT POSTS	FOOT	1,125.0
63200305	STEEL PLATE BEAM GUARDRAIL REMOVAL	FOOT	1,130
67100100	MOBILIZATION	LSUM	1
70101700	TRAFFIC CONTROL AND PROTECTION	LSUM	1
72000100	SIGN PANEL, TYPE 1	SQ FT	24
72800100	TELES STL SIN SUPPORT	FOOT	90
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3,203
LR420029	PORTLAND CEMENT CONCRETE PAVEMENT 8" (SPECIAL)	SQ YD	3,104

* SPECIALTY ITEM

△ Revised 2-10-10

GENERAL NOTES

1. PROTECTIVE COAT SHALL BE APPLIED TO ALL P.C.C. PAVEMENT, P.C.C. DRIVEWAYS, GUTTER FLAGS AND FACE OF CURB, CONCRETE SIDEWALKS AND RETAINING WALLS AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS OF ARTICLE 420.21.
2. AT ALL LOCATIONS WHERE CONCRETE PAVEMENT JOINS AN EXISTING BITUMINOUS OR CONCRETE PAVEMENT, A SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE TYPE OF PAVEMENT BEING CONSTRUCTED.
3. THE REQUIREMENTS OF THE IEPA SHALL GOVERN THE HORIZONTAL AND VERTICAL SEPERATION OF THE WATER MAIN FROM THE STORM SEWER. IF REQUIRED THE STORM SEWER SHALL BE CONSTRUCTED USING WATER QUALITY P.V.C. PIPE. THIS WORK SHALL BE PAID FOR AS WATER QUALITY STORM SEWER OF THE SIZE AND TYPE SPECIFIED.
4. NOT ALL OF THE EXISTING WATER, SEWER, GAS, POWER AND/OR TELEPHONE LINES WHETHER ABOVE OR BELOW GROUND SURFACE HAVE BEEN SHOWN ON THE PLANS. THE LOCATION OF EXISTING UNDERGROUND UTILITIES HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR MUST ASSUME ALL RESPONSIBILITY FOR ALL UTILITIES WHETHER SHOWN OR NOT SHOWN, AND MUST REALIZE THAT THE ACTUAL LOCATION OF THE UTILITIES SHOWN ON THE PLANS MAY DIFFER FROM THE LOCATION INDICATED.