PEPSI-COLA COMPANY

ROANOKE-LYNCHBURG FLAGSHIP CONSOLIDATION

PLANT EXPANSION PROJECT

HOLLINS, VA

(CIVIL DRAWINGS ONLY THIS SET)

COMMISSION NO. 190206.00

DECEMBER 13, 1990

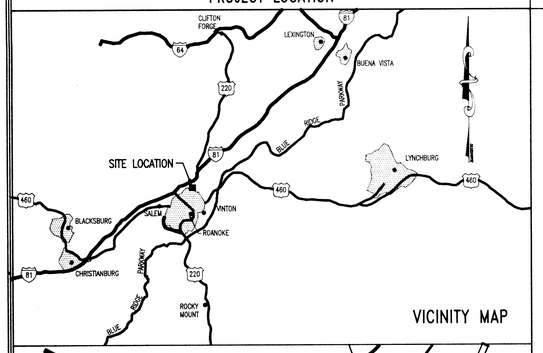
CIVIL DRAWINGS ONLY
PROJECT NAME: Pepsi-Cola Expansion
DATE: 12-96
TYPE:
LOCATION:
TOTAL # SHEETS: 5
A/E FIRM: Smithey & Boynton
OF SETS: 1

Smithey & Boynton

Architecture Engineering Planning

ROANOKE, RICHMOND, FREDERICKSBURG, VIRGINIA
HIGH POINT, NORTH CAROLINA

PROJECT LOCATION



DRAWING INDEX

MATERIALS LEGEND

CONCRETE
PRECAST CONCRETE
FACE OR COMMON BRICK
FIRE BRICK
CMU - CONCRETE MASONRY UNITS
LIMESTONE, PLASTER, GROUT, GYPSUM WALLBOARD AND CEMENTITIOUS MATERIALS (LARGE SCALE DETAIL ONLY)
POROUS FILL / GRAVEL
MARBLE
STEEL, METAL
ALUMINUM
SLATE
RIGID INSULATION
BATT, BLANKET, OR SOUND INSULATION
WOOD OR STEEL STUD WALL (PLAN @ 1/8" OR 1/4")
ROUGH WOOD
FINISHED WOOD
PLYWOOD (SMALL & LARGE SCALE)
EARTH
GLASS
CARPET
ROCK

REFERENCING CONVENTIONS

NORTH ARROW

SECTION BUTTONS
1/8" & 1/4" SCALE SECTIONS ONLY.
SECTION NUMBER DESIGNATION
SHEET ON WHICH SECTION IS DRAWN
SHEET ON WHICH SECTION IS CUT

ELEVATION BUTTONS
ELEVATION LETTER DESIGNATION
SHEET ON WHICH ELEVATION IS DRAWN
SHEET ON WHICH ELEVATION IS CUT

DETAIL BUTTONS
DETAIL LETTER DESIGNATION
SHEET ON WHICH DETAIL IS DRAWN
SHEET ON WHICH DETAIL IS CUT
DETAIL LOCATION

DOOR DESIGNATION BUTTON
NUMBER INDICATES DOOR NUMBER

ROOM DESIGNATION BUTTON
SPACE NAME
SPACE NUMBER

WINDOW DESIGNATION BUTTON
LETTER INDICATES WINDOW TYPE

REVISION DESIGNATION BUTTON
NUMBER INDICATES REVISION NUMBER

WORK OR CONTROL POINT

SHEET NOTE DESIGNATION
CN1 CIVIL NOTE #1
SN2 STRUCTURAL NOTE #2
AN3 ARCHITECTURAL NOTE #3
MN4 MECHANICAL NOTE #4
PN5 PLUMBING NOTE #5
EN6 ELECTRICAL NOTE #6

SECTION/ELEVATION/DETAIL DESIGNATION
NUMERICAL FOR SECTIONS, ALPHABETICAL FOR ELEVATIONS AND DETAILS
SECTION
1/4"=1'-0"
TAIL FOR ADDITIONAL REFERENCES (WHERE REQUIRED) → P2-5,P2-6

CODE SUMMARY

APPLICABLE CODES
VIRGINIA UNIFORM STATEWIDE BUILDING CODE 1987
BOCA BUILDING CODE 1987
BOCA PLUMBING CODE 1987
BOCA MECHANICAL CODE 1987
NFPA ELECTRICAL CODE 1987
ANSI A117.1-1980, HANDICAPPED CODE

OCCUPANCY: F-1/S-1/B: FACTORY/STORAGE/BUSINESS
MODERATE HAZARD

TYPE OF CONSTRUCTION: TYPE 2C, UNPROTECTED

FIRE PROTECTION: COMPLETE FIRE SUPPRESSION SYSTEM/ NFPA 13

BUILDING AREA:

EXISTING MAIN LEVEL	–	85,150 GSF
NEW MAIN LEVEL	–	25,690 GSF
SUBTOTAL MAIN LEVEL	–	110,840 GSF
EXISTING MEZZANINE LEVEL	–	10,600 GSF
NEW MEZZANINE LEVEL	–	1,130 GSF
SUBTOTAL MEZZANINE LEVEL	–	11,730 GSF
TOTAL BUILDING AREA		122,570 GSF

BUILDING HEIGHT: ONE STORY W/ 10.6% MEZZANINE AREA
HIGHEST PT. OF BUILDING APPROX. +31'-0"

ALLOWABLE AREA: UNLIMITED AREA PER BOCA SECTION 504.0

ALLOWABLE HEIGHT: 85' PER BOCA SECTION 504.0
45' PER LOCAL ZONING RESTRICTIONS

ZONING: INDUSTRIAL DISTRICT M-2

OCCUPANT LOAD: 953 PERSONS FOR ENTIRE FACILITY

OCCUPANT LOAD CALCULATION BASIS: 1/100 FOR "F-1" AREAS
1/300 FOR "S-1" AREAS
1/100 FOR "B" AREAS

SEPARATIONS BETWEEN USE GROUP CLASSIFICATIONS:
NON SEPARATED USE PER BOCA SECTION 313.1.1

SEALS

COMMONWEALTH OF VIRGINIA
BARRY G. HALL
CERTIFICATE No. 3918
CERTIFIED ARCHITECT

COMMONWEALTH OF VIRGINIA
ROBERT E. MORRELL
CERTIFICATE No. 2571
CERTIFIED PROFESSIONAL ENGINEER

GENERAL BUILDNG RELOCATION NOTE:

WITH RESPECT TO NOTES 4, 6, 22 AND 23 ON THIS SHEET, RECEIVING BUILDING AND GUARD HOUSE SHALL BE RELOCATED CAREFULLY AND IN A MANNER TO AVOID DAMAGE TO THE STRUCTURES, FINISHES, AND OTHER FEATURES OF THE BUILDINGS. IF NECESSARY, BUILDINGS SHALL BE DISMANTLED INTO MANAGEABLE SECTIONS AND REASSEMBLED IN THEIR NEW LOCATIONS. ALL EXISTING UTILITIES SERVING THESE TWO BUILDINGS, INCLUDING, BUT NOT NECESSARILY LIMITED TO, ELECTRICAL POWER AND COMMUNICATION LINES, SHALL BE DISCONNECTED AND RELOCATED TO THE NEW BUILDING LOCATIONS BY THE APPROPRIATE TRADES AS INDICATED AND AS REQUIRED. EXISTING RECEIVING BUILDING SHALL BE PLACED ON NEW FOUNDATION AS DETAILED. EXISTING GUARD HOUSE SHALL BE PLACED ON NEW 5" THICK CONCRETE SLAB OVER 4" OF CRUSHED STONE WITH ALL SLAB EDGES TURNED DOWN A MINIMUM OF 18" BELOW GRADE. REINFORCE SLAB WITH 6 X 6/W1.4 X W1.4 WWF AND EXTEND WIRE FABRIC DOWN INTO TURNED DOWN EDGES. PROVIDE ONE #5 ROD CONTINUOUS AROUND BOTTOM OF TURNED DOWN EDGES.

SURVEY PROVIDED BY SHANKS ASSOCIATES, P.C.

SURVEY PROVIDED BY LUMSDEN & ASSOCIATES

1' DEEP DIVERSION DITCH

PROVIDE 2' VEGETATION FREE VERMIN BARRIER AT FENCE LINE (TYP)

NEW EMPLOYEE PARKING

CHAIN LINK FENCE (Typ.)

NEW LOADING DOCK ON

REMOVE EXISTING GUARDRAIL

FINISH FLOOR 1104.41

EXISTING WAREHOUSE FACILITIES

U.S. HIGHWAY # 11 & # 220
LEE HIGHWAY

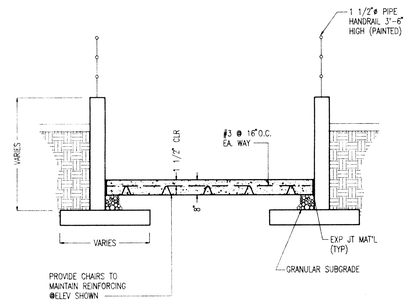
U.S. HIGHWAY # 11 & # 220
LEE HIGHWAY

GENERAL REMARKS

1. SURVEY INFORMATION OBTAINED FROM 2 PLATS PREPARED BY BUFORD LUMSDEN & ASSOCIATES AND BY SHANKS ASSOCIATES,P.C.
2. DRAINAGE STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH VIRGINIA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND LICENSES REQUIRED BY THE STATE OF VIRGINIA, THE COUNTY OF BOTETOURT OR OTHER GOVERNING AGENCIES INVOLED UNDER THIS CONTRACT.
4. UNDERGROUND FACILITES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE, THEIR LOCATION MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES AT HIS OWN INITIATIVE AND EXPENSE.
5. PAVING CONTRACTOR SHALL COORDINATE FINISHED PAVEMENT GRADES WITH ELEVATIONS AND LOCATIONS OF EXISTING ROADS AND PARKING AREAS.
6. LENGTHS OF LINE INDICATE ON THE DRAWINGS FOR UTILITY SYSTEMS ARE APPROXIMATE ONLY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR DETERMINING THE EXACT AMOUNT OF PIPING REQUIRED TO FURNISH A COMPLETE WORKING SYSTEM IN ACCORDANCE WITH THE INTENT OF THE DRAWINGS.
7. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK." THE CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH ALL APPLICABLE MEASURES CONTAINED THEREIN WHICH MAY BE PERTINENT TO THIS PROJECT.
8. TOP OF MANHOLES AND INLETS SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY EXACT ELEVATION REQUIRED TO ASSURE STRUCTURE HEIGHT COMPLIES WITH THE PURPOSE OF THE STRUCTURE AND CONFORMS WITH ADJACENT FINISHED GRADES.
9. THE CONTRACTOR SHALL VERIFY ALL LINES, LEVELS, GRADES, ELEVATIONS AND DIMENSIONS SHOWN ON THESE PLANS. ANY ERRORS, OMISSIONS, OR DISCREPANCIES DISCOVERED SHALL BE IMMEDIATELY REPORTED TO THE ENGINEER FOR RESOLUTION. WORK ON THE AFFECTED PORTION OF THE PROJECT SHALL BE STOPPED UNTIL SUCH ERRORS, OMISSIONS OR DISCREPANCIES HAVE BEEN RESOLVED TO THE SATISFACTION OF THE ARCHITECT.

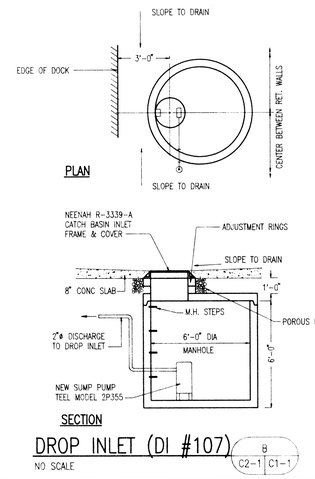
NOTES

1. REMOVE SEWAGE TREATMENT FACILITY EXCAVATE AREAS AND GRADE TO DRAIN
2. REMOVE EXIST STORM DRAIN
3. EXISTING U.G. TANKS (REMOVED BY OTHERS) NIC
4. RELOCATE METAL RECEIVING BUILDING
5. REMOVE FENCE
6. RELOCATE GUARD HOUSE
7. NEW 30' ELECTRIC GATE (2 LOCATIONS)
8. PAVED DITCH (CONC) VDOT
9. NEW CONC PAD FOR TURNING (2 LOCATIONS)
10. NEW RETAINING WALL
11. NEW 6' CHAIN LINK FENCE
12. NEW FENCE
13. NEW 6' SIDEWALK
14. NEW GUARDRAIL (VDOT GR-2)
15. DETENTION BASIN
16. RE-SEED THIS AREA
17. NEW CURB & GUTTER
18. VISITOR PARKING
19. NEW SANITARY SEWER
20. ADJUST TOP OF EXIST STRUCTURE AS REQUIRED
21. RELOCATE EXISTING INLET PROVIDE NEW 15" CONC PIPE AS REQUIRED
22. NEW LOCATION OF METAL RECEIVING BUILDING
23. NEW LOCATION OF GUARD HOUSE
24. CONNECT EXISTING PIPE TO NEW CONC DITCH
25. PROVIDE SWALE ALONG TOP OF CUT



SECTION THRU LOADING DOCK RAMP (A C2-1 C1-1)

NO SCALE



DROP INLET (DI #107) (B C2-1 C1-1)

NO SCALE

Smithey & Boynton
Architecture Engineering Planning

4818 Starkey Rd. S.W.
P.O. Box 20969
Roanoke, VA 24018
(703) 774-4493

COMMONWEALTH OF VIRGINIA
JAMES H. McNAMARA
No. 18109
PROFESSIONAL ENGINEER

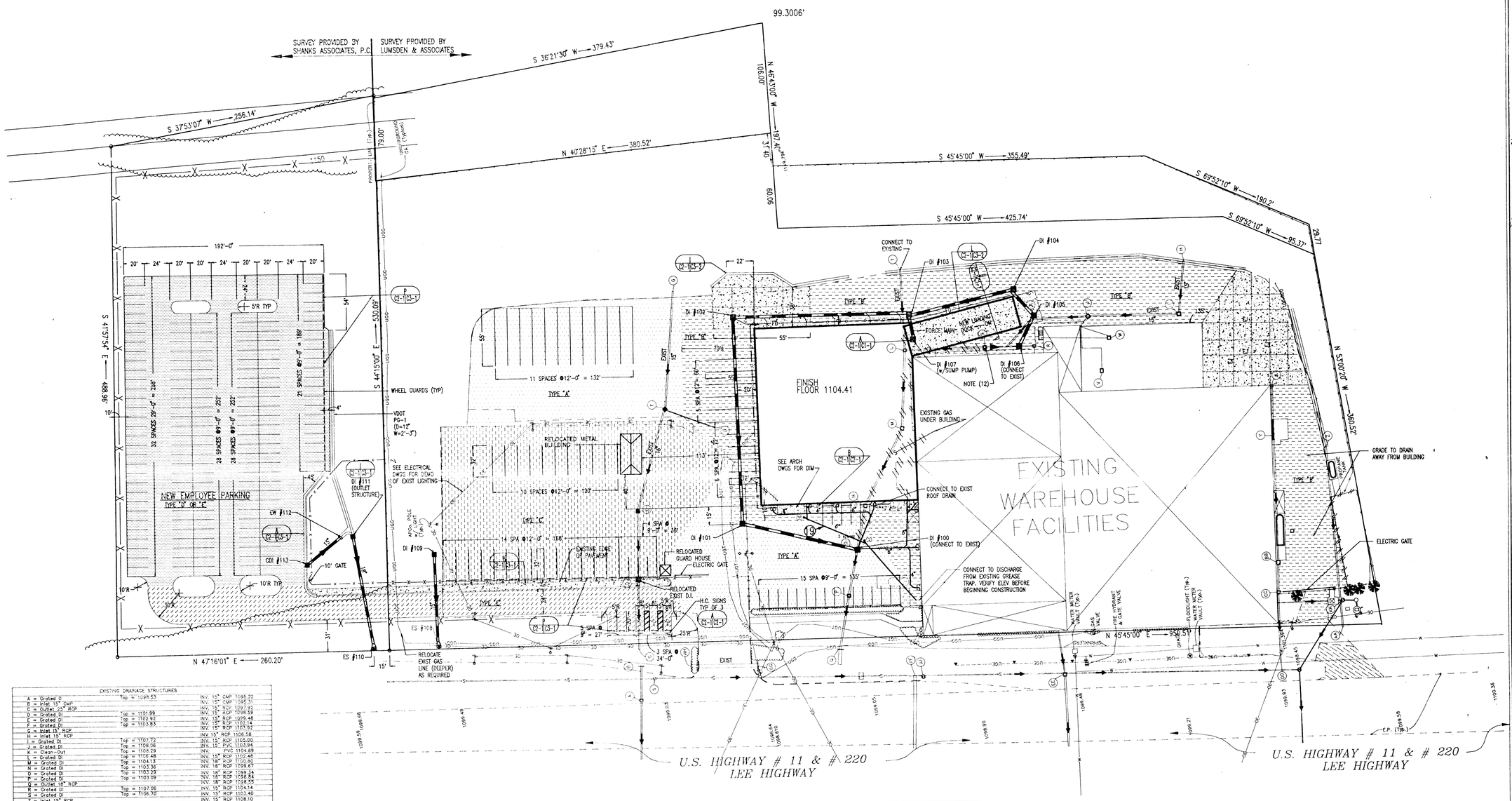
Date DEC 13,1990
Drawn By PDO
Checked By CAT

Revision	Date	By

PEPSI-COLA COMPANY
ROANOKE-LYNCHBURG FLAGSHIP CONSOLIDATION
PLANT EXPANSION PROJECT
Hollins, Virginia

CIVIL GRADING, DRAINAGE, DEMOLITION AND EROSION CONTROL

Commission No. 190206.00
Sheet No. C1-1
Scale 1" = 40'



EXISTING DRAINAGE STRUCTURES		
A = Grated D	Top = 1098.53	INV. 15" CMP 1095.22
B = Inlet 15" CMP		INV. 15" CMP 1095.31
C = Outlet 15" RCP		INV. 15" RCP 1097.92
D = Grated DI	Top = 1101.99	INV. 15" RCP 1098.59
E = Grated DI	Top = 1102.92	INV. 15" RCP 1099.48
F = Grated DI	Top = 1103.83	INV. 15" RCP 1102.14
		INV. 15" RCP 1102.92
G = Inlet 15" RCP		INV. 15" RCP 1106.58
H = Inlet 15" RCP		
I = Grated DI	Top = 1107.72	INV. 15" RCP 1105.00
J = Grated DI	Top = 1108.06	INV. 15" PVC 1103.94
K = Clean-Out	Top = 1108.29	INV. PVC 1104.89
L = Grated DI	Top = 1107.48	INV. 15" RCP 1102.48
M = Grated DI	Top = 1104.13	INV. 18" RCP 1100.80
N = Grated DI	Top = 1103.36	INV. 18" RCP 1099.67
O = Grated DI	Top = 1103.29	INV. 18" RCP 1099.34
P = Grated DI	Top = 1103.09	INV. 18" RCP 1098.84
Q = Grated DI		INV. 18" RCP 1098.55
R = Inlet 18" RCP		INV. 15" RCP 1104.14
S = Grated DI	Top = 1107.06	INV. 15" RCP 1103.40
T = Grated DI	Top = 1106.70	INV. 15" RCP 1103.10
U = Inlet 15" RCP		INV. 15" RCP 1101.79
V = Drop Inlet	Top = 1102.51	SUMP
W = Grated DI	Top = 1100.13	SUMP
X = Grated DI	Top = 1100.14	SUMP
Y = Grated DI	Top = 1104.75	INV. 15" RCP 1103.40
Z = Grated DI	Top = 1104.40	
Z = Inlet 15" RCP		INV. 15" RCP 1101.96
AA = Outlet 15" RCP		INV. 15" RCP 1099.24
BB = Grated DI	Top = 1104.30	INV. 15" RCP 1101.80
CC = Grated DI	Top = 1103.27	INV. 15" RCP 1101.88
DD = Outlet 15" CMP		INV. 12" RCP 1098.18
EE = Grated DI	Top = 1097.36	INV. 15" RCP 1095.17
FF = Inlet 30" Steel		INV. 30" STEEL 1093.69
GG = Inlet 30" x 38" CMP		INV. 1095.82
HH = Outlet 30" x 38" CMP		INV. 1095.22
II = SDMH	TOP 1098.21	INV. 8" STEEL 1098.60
JJ = SDMH	TOP 1098.60	INV. 8" STEEL 1098.21
KK = SDMH	Top 1103.91	INV. 8" & 10" PVC 1098.11

STORM DRAIN INLET SCHEDULE – NEW STRUCTURES					
STRUCTURE NO.	INVT IN	INVT OUT	GUTTER LINE OR TOP ELEV.	TYPE	REMARKS
DI #100	1099.34	1099.34	1103.24(EXIST) RAISE AS REQ'D	VDOT DI-1	EXIST. DI
DI #101	1099.89	1099.89	1102.8±	VDOT DI-1	VDOT DI-1
DI #102	1100.83	1100.83	1103.5±	VDOT DI-1	VDOT DI-1
DI #103	1101.64	1101.64	1103.5±	VDOT DI-1	VDOT DI-1
DI #104	1102.24	1101.74	1106.5±	VDOT DI-1	VDOT DI-1
DI #105	1102.86	1102.36	1106.9±	VDOT DI-1	VDOT DI-1
DI #106	1103.07	1103.07	1106.3±	VDOT DI-1	VDOT DI-1
DI #107	–	1100.00	1104.0±	VDOT DI-1	VDOT DI-1 w/TEEL EFFLUENT PUMP DAYTON ELEC MODEL 2P355
ES #108	–	1100.50	–	VDOT DI-3A	VDOT ES-1 w/OUTLET PROTECTION
DI #109	–	1101.10	1103.5±	VDOT DI-3A	VDOT DI-1
ES #110	–	1102.00	–	VDOT DI-1	VDOT ES-1 w/OUTLET PROTECTION
DI #111	1103.00	1103.00	1108.6±	VDOT DI-1	VDOT DI-7 w/TYPE 1 GRATE (OUTLET STRUCTURE)
EW #112	–	1104.00	–	VDOT DI-1	VDOT EW-1
CDI #113	–	1105.00	GUTTER LINE 1110.1	VDOT DI-3A	VDOT DI-3B L=4

NOTES:

1. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND THERE MAY EXIST ENCUMBRANCES NOT SHOWN HEREON.
2. THIS PLAT IS BASED ON A CURRENT FIELD SURVEY.
3. THIS SURVEY WAS PREPARED AS A TOPOGRAPHIC MAP ONLY AND THE BOUNDARY DEPICTED HEREON WAS DRAWN FROM EXISTING RECORDS AND IS APPROXIMATE.
4. DETERMINATION OF ALL ABOVE GROUND STRUCTURES ARE BASED ON ACTUAL FIELD LOCATIONS. ALL UNDERGROUND UTILITY LOCATIONS ARE APPROXIMATE AND ARE BASED ON FIELD LOCATIONS OF MARKINGS PROVIDED BY THE RESPECTIVE UTILITY COMPANIES AND SHOULD BE FIELD VERIFIED BEFORE CONSTRUCTION.
5. TAX I.D. FOR THIS PROPERTY IS BOTETOURT COUNTY TAX # 106147.
6. PORTIONS OF THIS PROPERTY FALLS WITHIN THE LIMITS OF A 100 YEAR FLOOD PLAIN AS DESIGNATED BY F.E.M.A.
7. BM Z-368 1959 DISC IN SE ABUTMENT OF BRIDGE OVER TINKER CREEK ON RT. 11 & 220 – 1st BRIDGE NORTH OF TRUCK SCALES. ELEV.=1102.31.
8. CHISELED "T"ON S.E. WINGWALL OF NEW BRIDGE OVER TINKER CREEK AT V.A. TRUCKING ENT. – 1/4 MI. ± N. OF ROANOKE–BOTETOURT COUNTY LINE ELEV. =1099.06
9. FINISH FLOOR AT MAIN ENT. OF EXISTING WAREHOUSE FACILITIES ASSUMED ELEV. = 100.00 = U.S.C.&G.S. ELEV. 1104.41.
10. CONTRACTOR SHALL COORDINATE CONSTRUCTION METHOD AND OPERATIONS WITH OWNER & ARCHITECT TO MINIMIZE DISRUPTION OF OWNERS PLANT PROCESSES. ONE TRAFFIC LANE AROUND THE PLANT SHALL REMAIN OPEN TO THE OWNERS TRUCKS. THIS LANE MAY BE BLOCKED UP TO 8 HRS AFTER 24 HRS ADVANCE NOTICE IS GIVEN TO THE OWNER.
11. IN AREAS WHERE EXISTING PAVEMENT IS TO BE REMOVED BEFORE NEW PAVEMENT IS INSTALLED USE THE FOLLOWING PROCEDURE.
   A)REMOVE EXISTING PAVEMENT FROM THE AREA
   B)REMOVE EXISTING STONE AND STOCKPILE
   C)EXCAVATE SUBGRADE TO ELEVATION NECESSARY TO PROVIDE FOR INSTALLTION OF SUB–BASE,BASE AND FINISH SURFACES. GRADE TO PROVIDE POSITIVE DRAINAGE FROM BUILDING.
   D)STOCKPILED STONE MAY BE USED ALONG WITH NEW VDOT #21A FOR REQUIRED STONE BASE.
   E)PROVIDE BASE, ASPHALT & SURFACE ASPHALT COURSE AS REQUIRED.
12. REMOVE EXISTING STORM DRAIN, PLUG EXIST OUTLET INSTALL NEW 12" FROM EXSIT DI TO DI #106 @ .5% SLOPE.
13. RAISE TOP OF ALL EXISTING STORM DRAIN STRUCTURES TO ALLOW FOR INCREASE IN PAVEMENT.

SITE LEGEND								
DESCRIPTION	EXISTING	NEW	DESCRIPTION	EXISTING	NEW	DESCRIPTION	EXISTING	NEW
SANITARY SEWER	—S—	—S—	CLEANOUT	○	● CO	SILT FENCE		
STORM DRAIN	=SD=	=SD=	UTILITY POLE	ø	●	INLET PROTECTION		(IP)
WATER LINE	—W—	—W—	LIGHT STANDARD	☼	●	CONSTR. ENTRANCE		(CE)
ELECTRIC LINE	—E—	—E—	CURB			LIMIT OF CONSTR.		-LC-
TELEPHONE LINE	—T—	—T—	CURB & GUTTER			SOIL BORINGS		
GAS LINE	—G—	—G—	FIRE HYDRANT			TO BE REMOVED	PCC	
MAN HOLE	○	●MH	CONTOUR	1150	1150	SPOT ELEV		20.9
SAN. MANHOLE	○	●SMH	CONCRETE			DIRECTION OF FLOW		
DROP INLET	□	■DI	FENCE			PAVED GUTTER		
CURB DROP INLET	□	■CDI				TREE LINE		
						FOUND DRAIN		FD

TYPE "A" PAVEMENT (NEW PAVEMENT OVER EXIST)

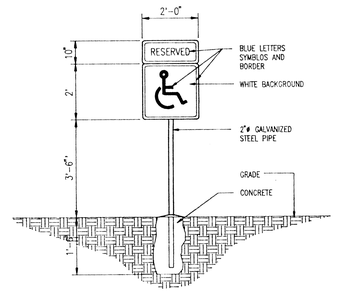
TYPE "B" PAVEMENT (NEW PAVEMENT WHERE EXIST TOTAL REMOVED)

TYPE "C" PAVEMENT (NEW PAVEMENT OVER EXSIT SURFACE TREATMENT)

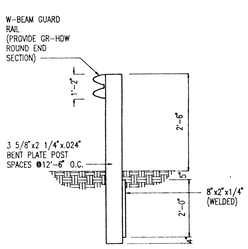
NEW EMPLOYEE PARKING TYPE "D" OR "E"

CONCRETE

TYPE "E" PAVEMENT



HANDICAPPED SIGN (A, C2-1 | C2-1)
NO SCALE



GUARD RAIL (B, C2-1 | C2-1)
NO SCALE

sbe
Smithey & Boynton
Architecture Engineering Planning
4818 Starkey Rd. S.W. Roanoke, VA 24018
P.O. Box 20989 (703) 774-4493

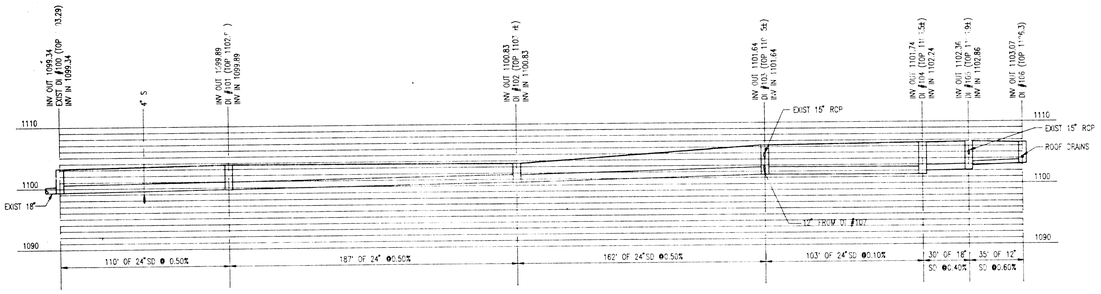
COMMONWEALTH OF VIRGINIA
JAMES H. McMANAMAY
No. 181109
PROFESSIONAL ENGINEER

Date DEC 13,1990
Drawn By PDO Checked By CAT
Revision Date By

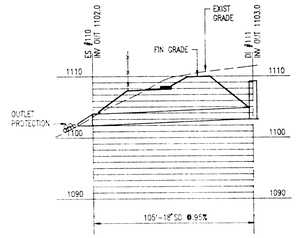
PEPSI–COLA COMPANY
ROANOKE–LYNCHBURG FLAGSHIP CONSOLIDATION
PLANT EXPANSION PROJECT
Hollins, Virginia

CIVIL DIMENSIONAL LAYOUT,UTILITES AND PAVING

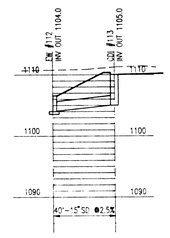
Commission No. 190206.00
Sheet No. C2-1
Scale 1" = 40'



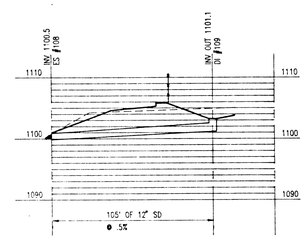
PROFILE–STORM DRAIN
1"=10'VERT 1"=40'HORZ



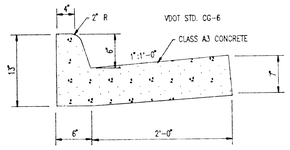
PROFILE–STORM DRAIN
1"=10'VERT 1"=40'HORZ



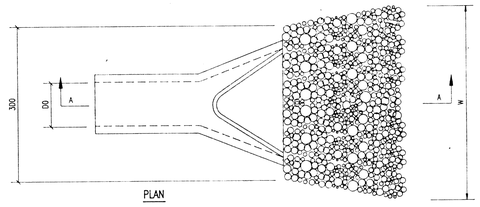
PROFILE–STORM DRAIN
1"=10'VERT 1"=40'HORZ



PROFILE–STORM DRAIN
1"=10'VERT 1"=40'HORZ



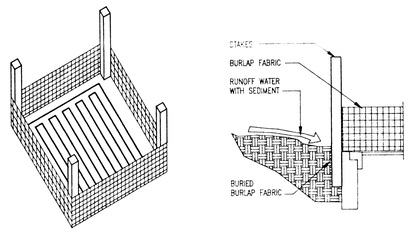
CONCRETE CURB AND GUTTER (A: C1-1 | C3-1)
NO SCALE



NOTES
1. APRON LINING MAY BE RIPRAP, GROUTED RIPRAP, OR CONCRETE.
2. LA IS THE LENGTH OF THE RIPRAP APRON AS CALCULATED USING PLATES 1.36d AND 1.36e
3. d=1.5 TIMES THE MAXIMUM STONE DIAMETER BUT NOT LESS THAN 6 INCHES

		LA	D	W	#57 STONE
CLASS	I	10'	6"	11'	3"
	II	11'	9"	12'-6"	3"

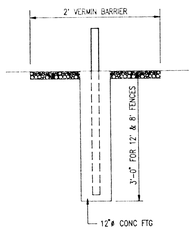
OUTLET PROTECTION (B: C1-1 | C3-1)
NO SCALE



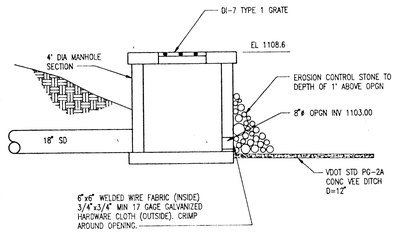
SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPES NO GREATER THAN 5 PERCENT) WHERE SHEET OR OVERLAND FLOWS (NOT EXCEEDING 0.5 CFS) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREET OR HIGHWAY MEDIANS.

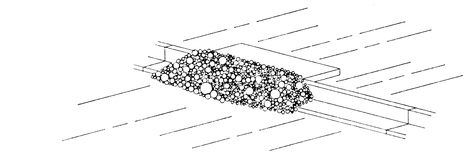
DROP INLET SEDIMENT FILTER (IP TYPE "1") (E: C1-1 | C3-1)



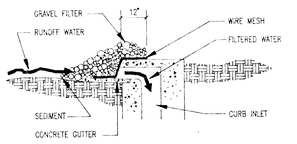
CHAIN LINK FENCE POST FTG (G: C1-1 | C3-1)
NO SCALE



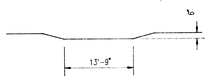
OUTLET STRUCTURE (I: C2-1 | C3-1)
NO SCALE



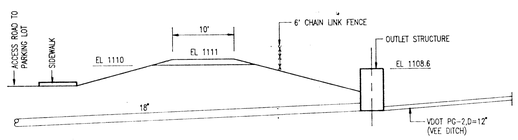
SPECIFIC APPLICATION
THIS METHOD OF INLET PROTECTION IS APPLICABLE AT CURB INLETS WHERE PONDING IN FRONT OF THE STRUCTURE IS NOT LIKELY TO CAUSE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.



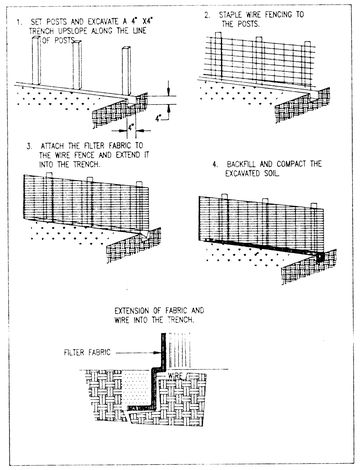
INLET PROTECTION TYPE "2" (F: C1-1 | C3-1)
NO SCALE



EMERGENCY OVERFLOW

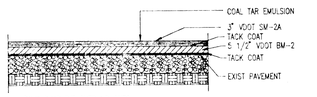


SECTION THRU DET BASIN (J: C1-1 | C3-1)
NO SCALE

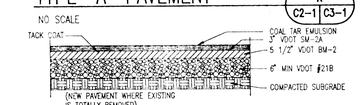


NOTE: THIS DETAIL IS FROM THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK–1980. THE CONTRACTOR SHALL COMPLY WITH THE DESIGN CRITERIA, THE CONSTRUCTION SPECIFICATION, THE MAINTENANCE REQUIREMENTS AND THE REMOVAL REQUIREMENTS CONTAINED THEREIN FOR THIS ITEM.

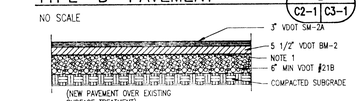
CONSTRUCTION OF A SILT FENCE (C: C1-1 | C3-1)
NO SCALE



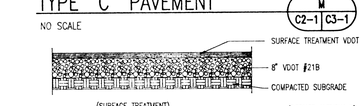
TYPE "A" PAVEMENT (K: C2-1 | C3-1)
NO SCALE



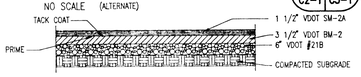
TYPE "B" PAVEMENT (L: C2-1 | C3-1)
NO SCALE



TYPE "C" PAVEMENT (M: C2-1 | C3-1)
NO SCALE

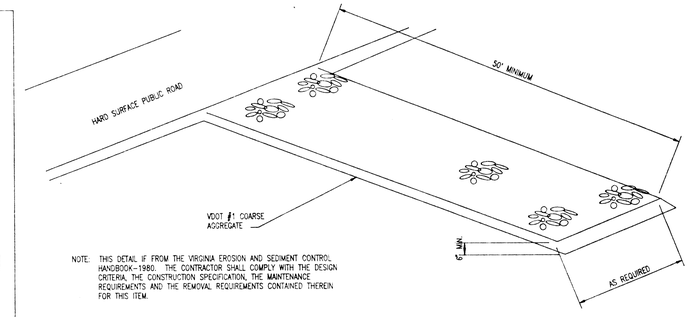


NEW EMPLOYEE PARKING "D" (DEDUCT ALTERNATE) (N: C2-1 | C3-1)
NO SCALE (ALTERNATE)



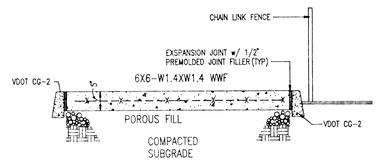
NEW EMPLOYEE PARKING "E" (BASE BID) (O: C2-1 | C3-1)
NO SCALE (BASE BID)

NOTE 1. THOROUGHLY BREAKUP EXISTING SURFACE TREATMENT AND BLEND INTO STONE BASE AS REQUIRED TO OBTAIN REQUIRED STONE BASE DEPTH



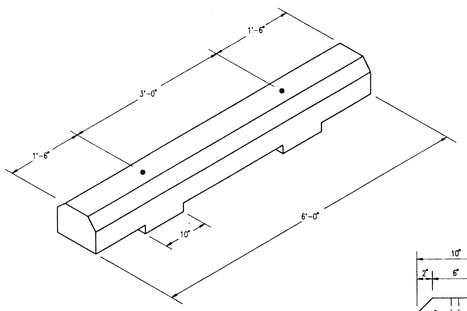
NOTE: THIS DETAIL IF FROM THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK–1980. THE CONTRACTOR SHALL COMPLY WITH THE DESIGN CRITERIA, THE CONSTRUCTION SPECIFICATION, THE MAINTENANCE REQUIREMENTS AND THE REMOVAL REQUIREMENTS CONTAINED THEREIN FOR THIS ITEM.

GRAVEL CONSTRUCTION ENTRANCE (D: C1-1 | C3-1)
NO SCALE



NOTES: CONTRACTION JOINT 1" DEEP SPACED 5' APART. EXPANSION JOINTS TO BE LOCATED EVERY 40' (MAX. SPACING)

SIDEWALK SECTION (H: C2-1 | C3-1)
NO SCALE



PRECAST CONC WHEEL GUARD (P: C2-1 | C3-1)
NO SCALE

Smithey & Boynton
Architecture Engineering Planning
4818 Starkey Rd. S.W. P.O. Box 29969
Roanoke, VA 24018 (703) 774-4483

COMMONWEALTH OF VIRGINIA
JAMES H. McMANAMAY
No. 18105
PROFESSIONAL ENGINEER

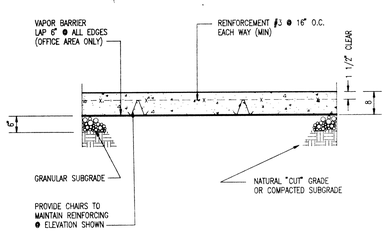
Date DEC 13,1990
Drawn By PDO
Checked By CAT

Revision	Date	By

PEPSI–COLA COMPANY
ROANOKE–LYNCHBURG FLAGSHIP CONSOLIDATION
PLANT EXPANSION PROJECT
Hollins, Virginia

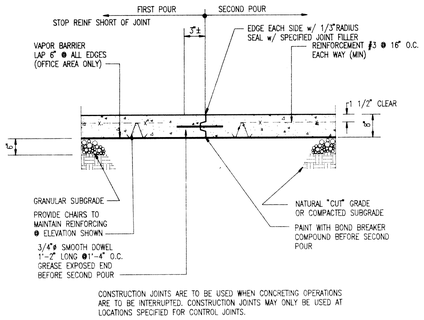
CIVIL DETAILS & PROFILES

Commission No. 19020600
Sheet No. C3–1
Scale AS SHOWN



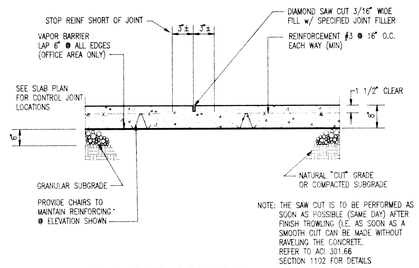
TYP SLAB ON GRADE (A)

NO SCALE



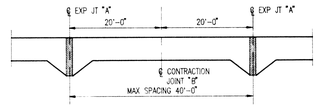
FORMED CONTROL JOINT (B)

NO SCALE



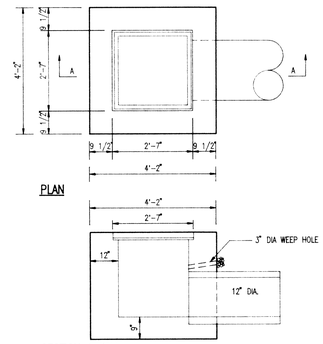
SAW CUT CONTROL JOINT (C)

NO SCALE



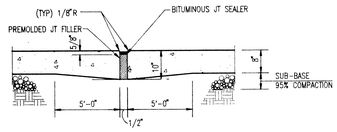
SCHEMATIC SECTION BETWEEN EXP JT (D)

NO SCALE



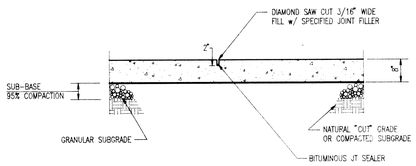
TYP VDOT DI-1 (P)

NO SCALE



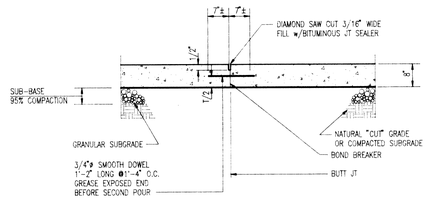
EXPANSION JOINT "-" (E)

NO SCALE



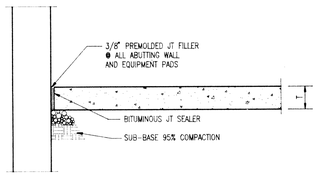
CONTRACTION JOINT "B" (F)

NO SCALE



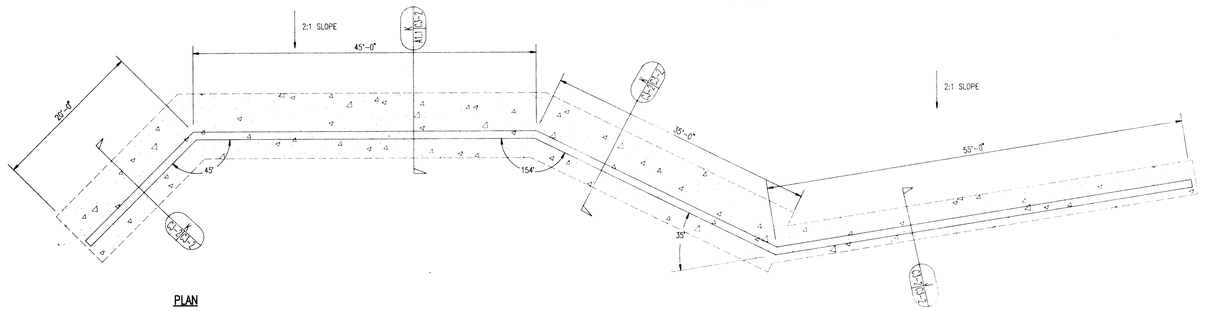
CONSTRUCTION JOINST "C" (G)

NO SCALE



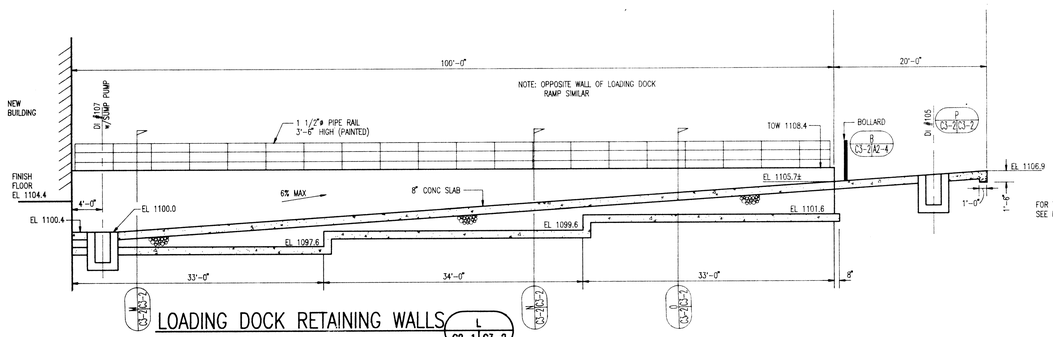
ISOLATION JOINT "C" (H)

NO SCALE



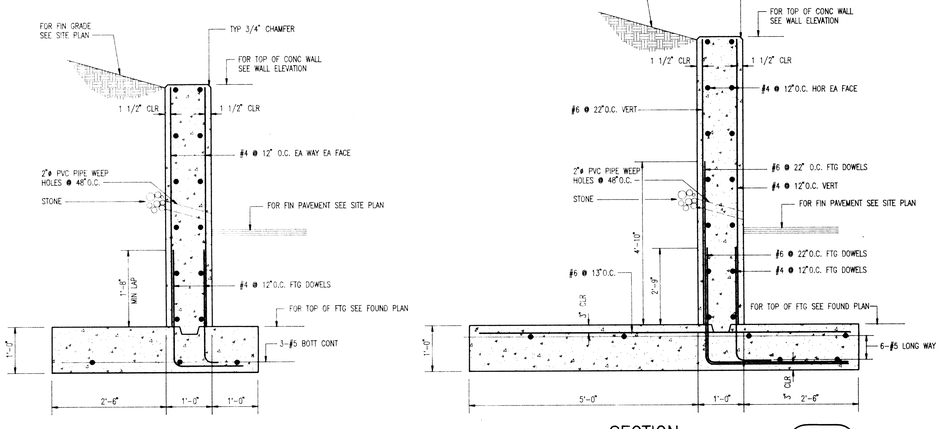
RETAINING WALL (I)

NO SCALE



LOADING DOCK RETAINING WALLS (L)

SCALE 1/8" = 1'-0"

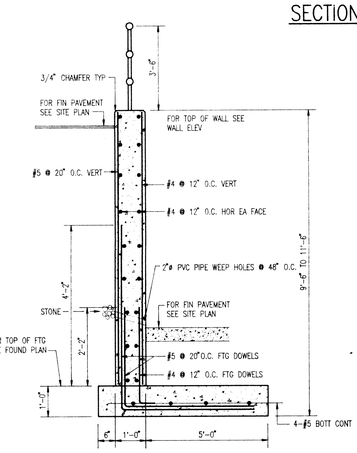


SECTION (J)

NO SCALE

SECTION (K)

NO SCALE



SECTION (M)

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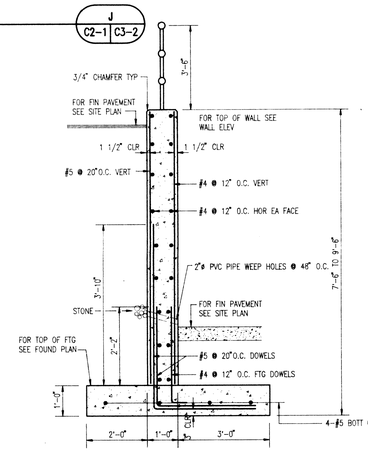

SECTION (N)

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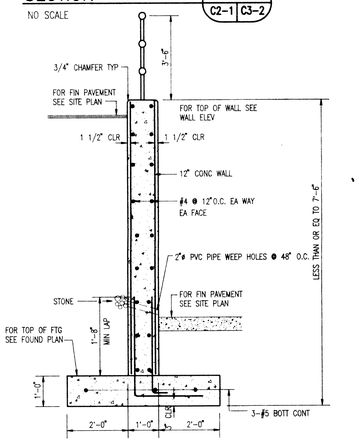

SECTION (O)

NO SCALE

Smithey & Boynton
Architecture Engineering Planning
4818 Starkey Rd. S.W.
P.O. Box 20969
Roanoke, VA 24018
(703) 774-4485

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