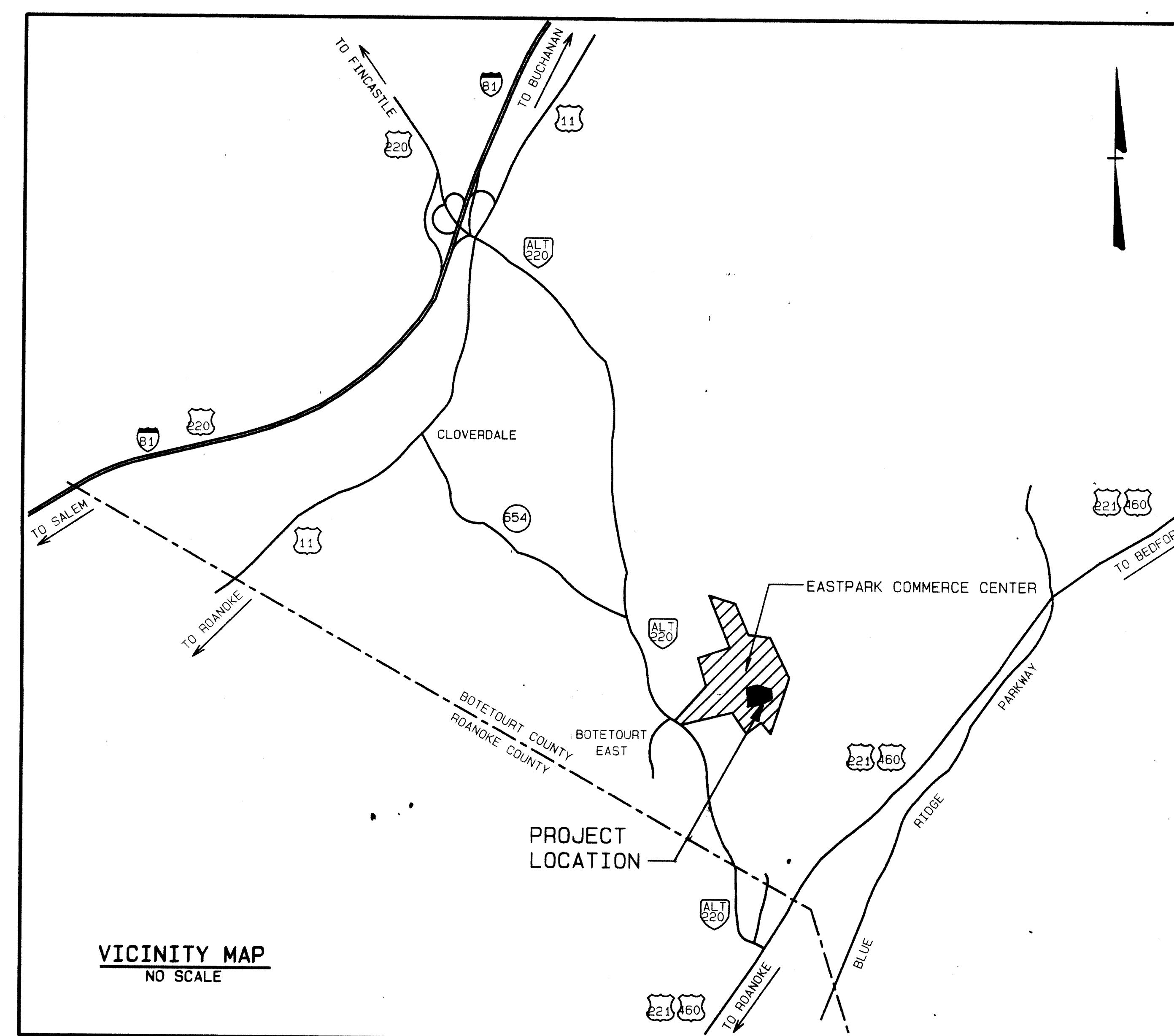
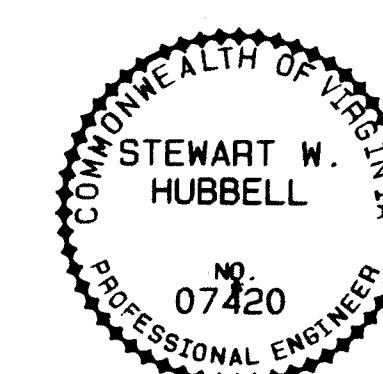


ARKAY PACKAGING CORPORATION LOT 8 EASTPARK COMMERCE CENTER BOTETOURT COUNTY, VIRGINIA



SHEET	TITLE
1.	COVER SHEET
2.	ABBREVIATIONS AND LEGEND
3.	EROSION CONTROL PLAN
4.	GRADING PLAN
5.	DIMENSIONAL LAYOUT AND UTILITIES
6.	LOT 7 - BORROW AREA
7.	PROFILES

Mattern & Craig
CONSULTING ENGINEERS - SURVEYORS
ROANOKE, VIRGINIA



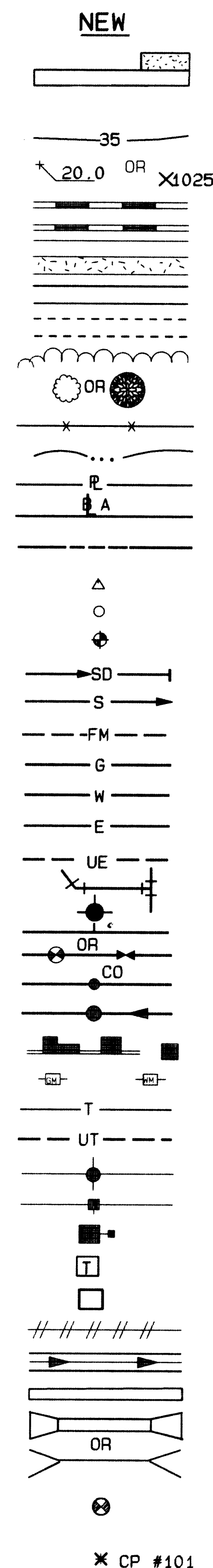
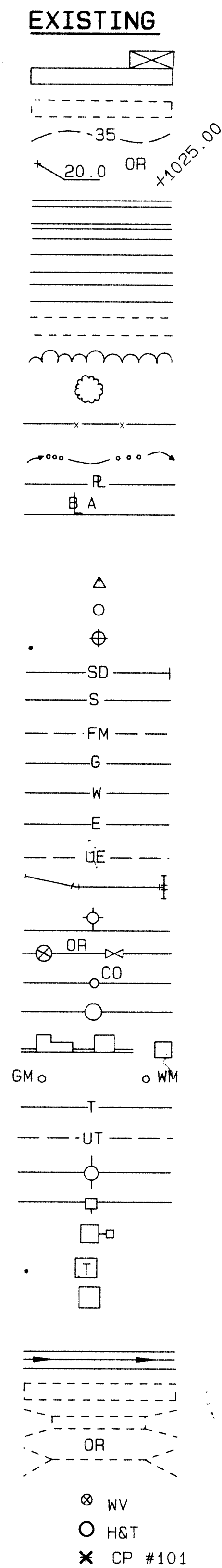
COMM. NO. 1413

SET NO. _____

AB ANCHOR BOLT
ABAN ABANDON OR ABANDONED
ABUT ABUTMENT
ABV ABOVE
ACT ACOUSTICAL
ADD ADDITIONAL
ADJ ADJACENT
AFF ABOVE FINISH FLOOR
AGGR AGGREGATE
ALUM ALUMINUM
ALT ALTERNATE
ANC ANCHOR
APPROX APPROXIMATE
ARCH ARCHITECTURAL
AWWA AMERICAN WATER WORKS ASSOCIATION
AVG AVERAGE
BIT BITUMINOUS
BJ BELL JOINT
BL BASE LINE
BEG BEGIN OR BEGINNING
BLDG BUILDING
BLKG BLOCKING
BM BENCH MARK, BEAM
BOTT BOTTOM
BP BYPASS
BRG BEARING
BSMT BASEMENT
BV BUTTERFLY VALVE
C CHANNEL, COLD
C/C, C TO C CENTER TO CENTER
CAB CABINET
CAP CAPACITY
CF CUBIC FEET
CG CHANGE OF GRADE
C & G CURB AND GUTTER
CI CAST IRON
CIRC CIRCULAR
CKT CIRCUIT
CL CENTER LINE
CLR CLEAR
CONST CONSTRUCTION
COR CORNER
CMP CORRUGATED METAL PIPE
CMU CONCRETE MASONRY UNITS
CND CONDUIT
CO CLEAN OUT
COMB COMBINATION
CONC CONCRETE
CONN CONNECT, CONNECTION
CONT CONTINUOUS, CONTROL
CONTR CONTRACTOR
CONV CONVEYOR
CP COORDINATE POINT
CR STONE CRUSHED STONE
CTR CENTER
CULV CULVERT
CY CUBIC YARD
D DEPTH OR DEGREE OF CURVE
DEPT DEPARTMENT
DF DRINKING FOUNTAIN
DI DROP INLET, DUCTILE IRON
DIA DIAMETER
DIM DIMENSION
DISC DISCONNECT
DMH DROP MANHOLE
DN DOWN
DR DRIVE
DS DOWN SPOUT
DTL DETAIL
DW, D/W DRIVEWAY
DWL DWELLING
DWG DRAWING
E EAST
EA EACH
E.B.L. EASTBOUND LANE
EF EACH FACE
EJ EXPANSION JOINT
EL, ELEV ELEVATION
ELEC ELECTRICAL
ENGR ENGINEER
ENTR ENTRANCE
EOL END OF LINE
EP EDGE OF PAVEMENT
EQ EQUAL
EQPT EQUIPMENT
EW EACH WAY, ENDWALL
EXIST EXISTING
EXP EXPANSION
EXT EXTERIOR
FR FRAME
FD FLOOR DRAIN
FDN FOUNDATION
FES FLARED END SECTION
FF FINISH FLOOR
FFE FINISHED FLOOR ELEVATION

FH FIRE HYDRANT
FIG FIGURE
FIN FINISH
FIXT FIXTURE
FL FLOOR
FLEX FLEXIBLE
FLG FLANGE
FT FOOT
FTG FOOTING
FUT FUTURE
GAL GALLON
GALV GALVANIZED
GAR GARAGE
GND GROUND
GR GRAVEL
GOVT GOVERNMENT
GPM GALLONS PER MINUTE
GRTG GRATING
GV GAS VALVE
GW GRAY WATER
H HOT
HB HOSE BIBB
HK HOOK
HM HOLLOW METAL
HORZ, HORIZ HORIZONTAL
HP HORSE POWER
HPT HIGH POINT
HYD HYDRANT
ID INSIDE DIAMETER
IN INCH
INSUL INSULATION
INV INVERT
IP IRON PIN
JT JOINT
JB JUNCTION BOX
L LENGTH, LONG
LF LINEAL FOOT
LG LONG
LP LIGHT POLE
LR LONG RADIUS
LT LEFT
LTG LIGHTING
MACH MACHINERY
MAS MASONRY
MATL MATERIAL
MAX MAXIMUM
MB MAILBOX
MECH MECHANICAL
MFR MANUFACTURER
MH MANHOLE, MOUNTING HEIGHT
MIN MINIMUM
MISC MISCELLANEOUS
MJ MECHANICAL JOINT
MO MASONRY OPENING
MON MONUMENT
MTD MOUNTED
MTG MOUNTING
MTL METAL
MV MUD VALVE
N & C NAIL AND CAP
NIC NOT IN CONTRACT
NO NUMBER
NTS NOT TO SCALE
OC ON CENTERS
OD OUTSIDE DIAMETER
OPER OPERATOR
OPNG OPENING
OPP OPPOSITE
PB PAPER BOX
PC POINT OF CURVE
PCC POINT OF COMPOUND
PER PERIMETER
PERF PERFORATED
PERP PERPENDICULAR
PI POINT OF INTERSECTION
PIV POST INDICATOR VALVE
PL PLATE, PROPERTY LINE
PLYWD PLYWOOD
POL POINT ON LINE
PP POWER POLE
POT POINT ON TANGENT
PRC POINT OF REVERSE CURVE
PSI POUNDS PER SQUARE INCH
PT POINT OF TANGENT
PVC POLYVINYL CHLORIDE
PVI POINT OF VERTICAL INTERSECTION
PVT PAVEMENT
R RADIUS, RISER
RAS RETURN ACTIVATED SLUDGE
RR RAIL ROAD
RCP REINFORCED CONCRETE PIPE
RD ROOF DRAIN, ROAD
RDCR REDUCER

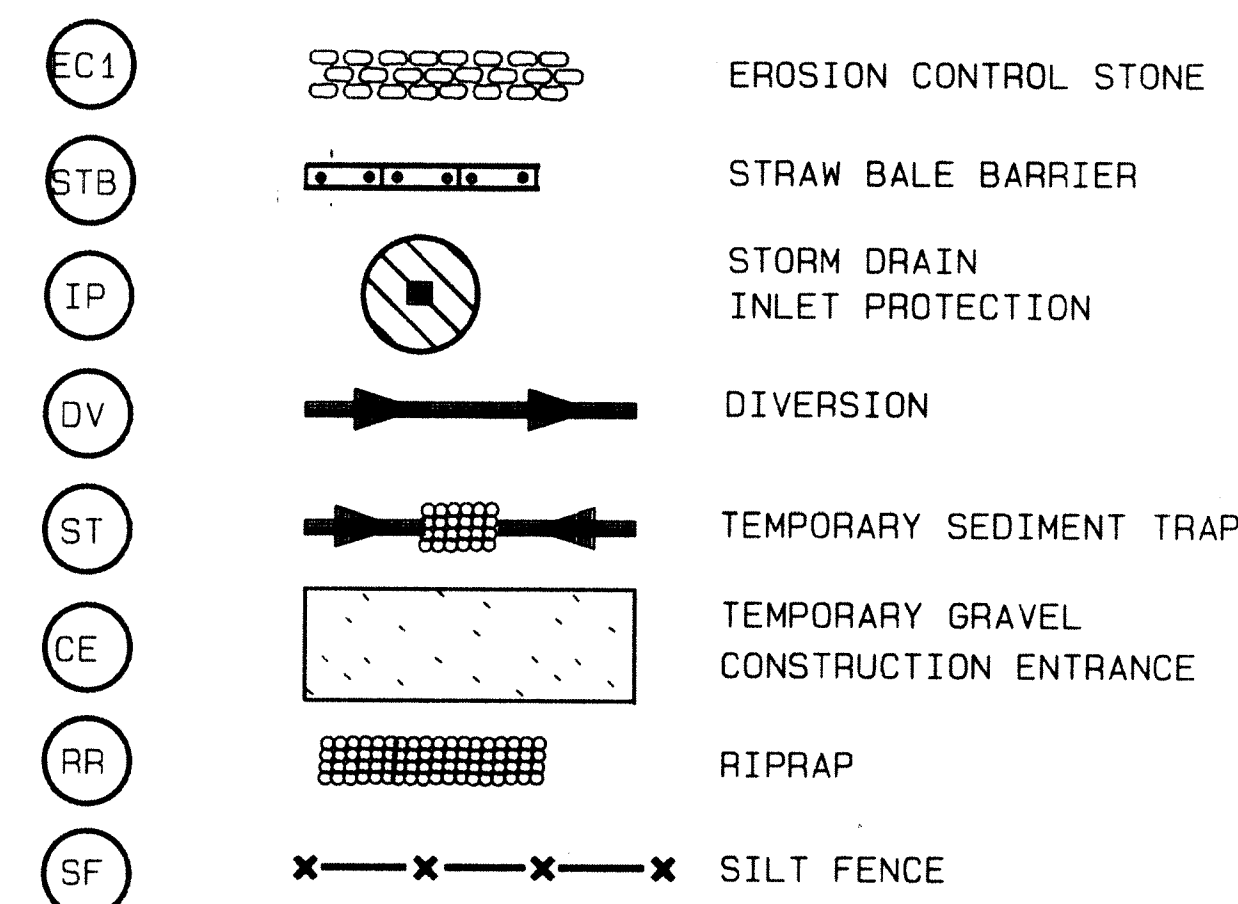
RECPT RECEPTACLE
RECT RECTANGULAR
REINF REINFORCE, REINFORCEMENT
REF REFERENCE
REL RELOCATED
REQD REQUIRED
REV REVISION
RTE ROUTE
RT RIGHT
R/W RIGHT OF WAY
S SANITARY SEWER, SOUTH, SWITCH
SAN SANITARY
SCH SCHEDULE
SD STORM DRAIN
SECT SECTION
SER SERVICE
SH SHEET
SHTG SHEETING
SIM SIMILAR
SPEC SPECIFICATION
SQ SQUARE
SS STAINLESS STEEL
ST STREET
STA STATION
STD STANDARD
STL STEEL
STRUCT STRUCTURAL
STY STORY
SUR SURVEY
SURF SURFACE
S/W SIDEWALK
SYMM SYMMETRICAL
T TREAD, TOP
T & B TOP AND BOTTOM
TDC TURNED DOWN CURB
TELE TELEPHONE
TEMP TEMPORARY
THK THICK
TP TELEPHONE POLE
TRTD TREATED
TS TOP OF SLAB
TV TELEVISION
TW TOP OF WALL
TYP TYPICAL
UG UNDERGROUND
UON UNLESS OTHERWISE NOTED
U.S.C. & G.S. UNITED STATES COAST AND GEODETIC SURVEY
USGS UNITED STATES GEOLOGICAL SURVEY
V, VAL VALVE
VAP BAR VAPOR BARRIER
VC VERTICAL CURVE
VERT VERTICAL
VOL VOLUME
VDOT VIRGINIA DEPARTMENT OF TRANSPORTATION
V.S.D. VERTICAL SIGHT DISTANCE
W.B.L. WEST BOUND LANE
W WIDE FLANGE, WIDE
W/ WITH
WD WOOD
WL WATER LINE
W/O WITHOUT
WS WATER SURFACE
WT WATERTIGHT, WEIGHT
WVDH WEST VIRGINIA DEPARTMENT OF HIGHWAYS
WNF WELDED WIRE FABRIC



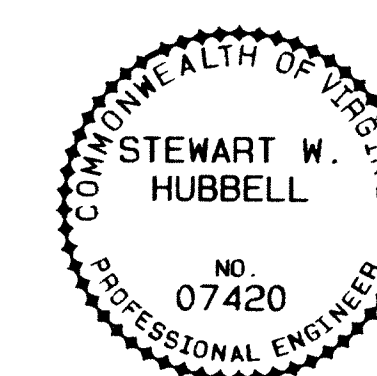
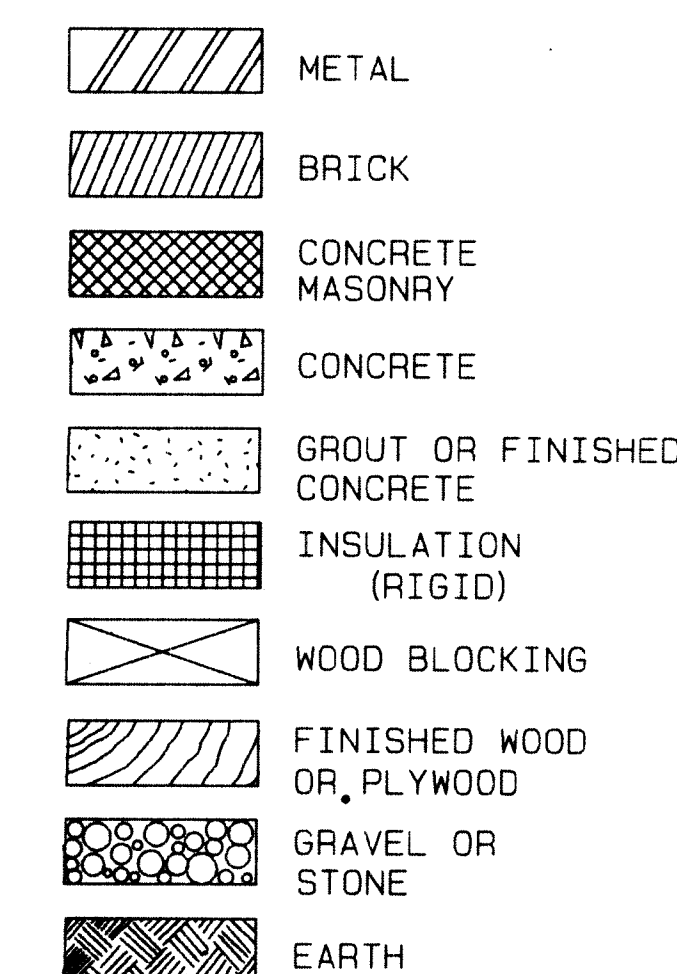
DESCRIPTION

BUILDING WITH PORCH OR STOOP
FOUNDATION ONLY
CONTOUR, CONTOUR WITH ELEVATION
SPOT ELEVATION
CONCRETE CURB
CONCRETE CURB & GUTTER
CONCRETE WALK OR SLAB
PAVEMENT
UNPAVED OR GRAVEL ROAD
TREE LINE
TREE OR SHRUB
FENCE
CENTERLINE CREEK, SWALE OR DITCH
PROPERTY LINE
BASELINE
LIMIT OF WORK LINE
FIELD SURVEY TRAVERSE POINT
P.C. OR P.T.
GEOLOGIC BORE HOLE
STORM DRAIN AND ENDWALL
SANITARY SEWER
FORCE MAIN
GAS MAIN OR SERVICE LINE
WATER MAIN OR SERVICE LINE
ELECTRICAL LINE
UNDERGROUND ELECTRICAL LINE
PIPE FITTINGS
FIRE HYDRANT
GATE VALVE
CLEANOUT
MANHOLE
DROP INLET (CURB AND GRATING TYPES)
G.M. - GAS METER, W.M. - WATER METER
TELEPHONE LINE
UNDERGROUND TELEPHONE LINE
TELEPHONE POLE, GUY AND ANCHOR
POWER POLE, GUY AND ANCHOR
LIGHT POLE
TELEPHONE PEDESTAL
BURIED TELEPHONE VAULT
ABANDON OR REMOVE
PAVED DITCH
DRIVEWAY CULVERT
CULVERT WITH FLARED END SECTION
WATER VALVE
HUB AND TACK
COORDINATE POINT

EROSION AND SEDIMENT CONTROL SYMBOLS



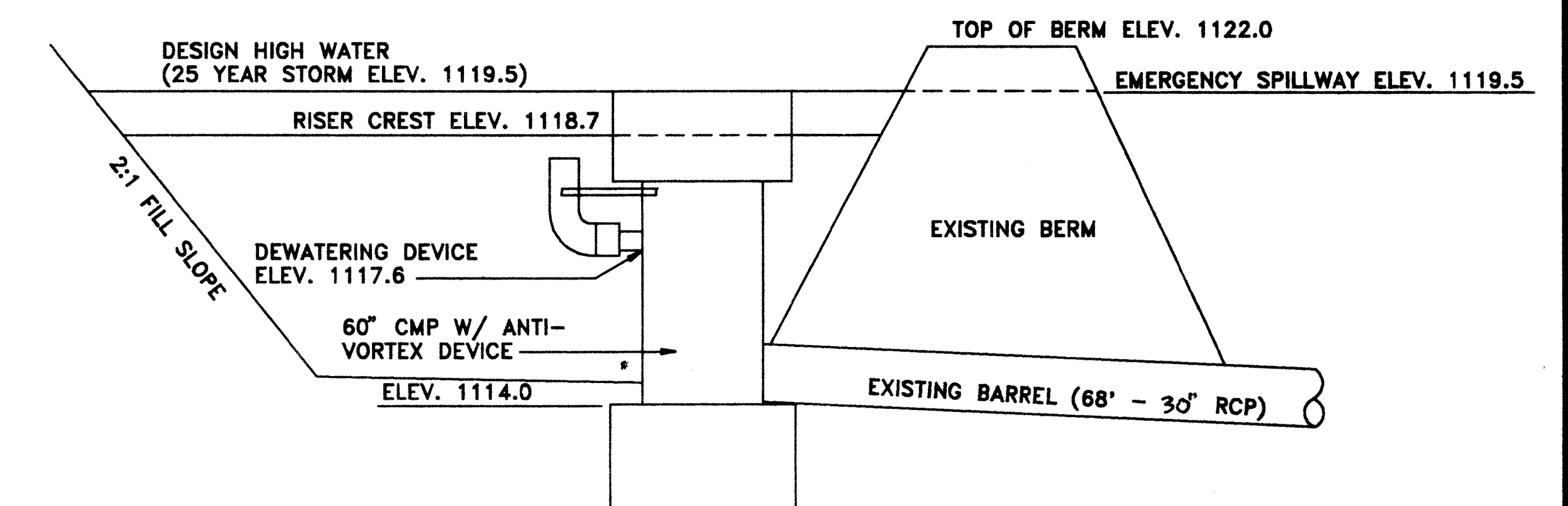
MATERIALS SYMBOLS



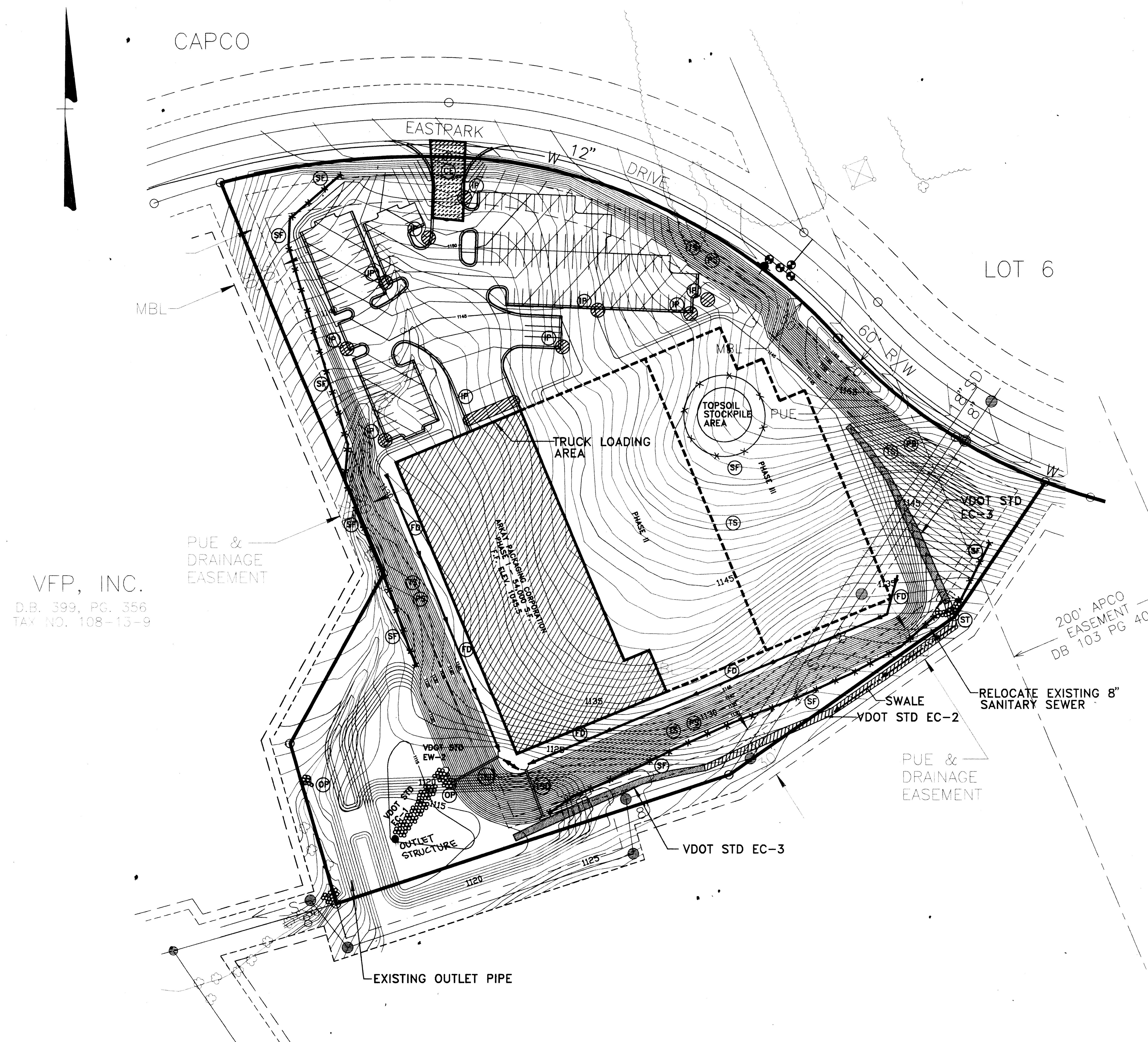
REV	DATE	DESCRIPTION	BY	APP
DSGN	TAM	ARKAY PACKAGING CORPORATION		
DRAWN	TAM	ABBREVIATIONS AND LEGEND		
CHKD	SWH	LOT 8 EASTPARK CORPORATE CENTER BOTETOURT COUNTY, VIRGINIA		
SCALE: NONE		COMM. NO. 1413		
DATE: MAY, 1995		SHEET 2		

GENERAL NOTES FOR EROSION AND SEDIMENT CONTROL MEASURES

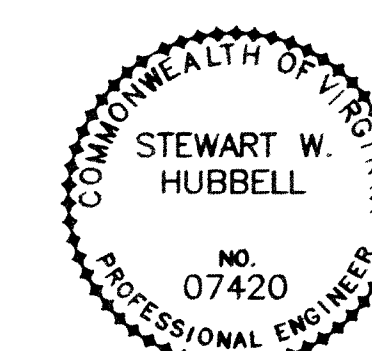
1. TEMPORARY SEDIMENT BASIN IS SIZED TO HANDLE THE SEDIMENT-LADEN RUNOFF FROM AN AREA OF APPROXIMATELY 8.0 ACRES. THE CONTRACTOR SHALL TAKE ALL MEASURES TO DIVERT THE RUNOFF FROM THIS AREA TO THE BASIN DURING FILL ACTIVITIES.
2. EACH TEMPORARY SEDIMENT TRAP IS DESIGNED TO CONTAIN THE RUNOFF FROM A MAXIMUM AREA OF 3 ACRES.
3. THIS DRAWING MAY NOT SHOW ALL EROSION AND SEDIMENT CONTROL MEASURES NECESSARY TO COMPLETE EACH PHASE OF THE PROJECT. DEPENDING ON HOW FILL ACTIVITIES ARE PERFORMED, THE CONTRACTOR SHALL TAKE ALL INTERMEDIATE MEASURES NECESSARY TO COMPLY WITH THE THE "VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK".
4. THE RISER PIPE SHALL BE REMOVED AFTER COMPLETION OF THE STORM DRAIN SYSTEM IN ORDER TO ALLOW THE BASIN TO SERVE AS A DETENTION POND.
5. AS THE LAST PHSE OF WORK THE CONTRACTOR SHALL REMOVE THE 42" TEMPORARY BYPASS LINE AND CONNECT THE PERMANENT 42" PIPE TO ADJACENT MANHOLE.
6. THE EXISTING SANITARY SEWER PIPE AND MANHOLE UNDER THE FILL AREA SHALL BE REMOVED.



DESIGN ELEVATIONS FOR TEMPORARY SEDIMENT BASIN
N.T.S.



VFP, INC.
D.B. 399, PG. 356
TAX NO. 108-15-9



REV	DATE	DESCRIPTION	BY	APP
DSGN	TAM	ARKAY PACKAGING CORPORATION EROSION CONTROL PLAN LOT 8 EASTPARK CORPORATE CENTER BOTETOURT COUNTY, VIRGINIA		
DRAWN	TAM			
CHKD	SWH			
SCALE: 1" = 50' DATE: MAY, 1995		COMM. NO. 1413 SHEET 3		

Mattern & Craig
CONSULTING ENGINEERS
SURVEYORS

CAPCO

EASTPARK

W 12" DRIVE

LOT 6

MBL

MBL

PUE

PHASE II

PHASE II

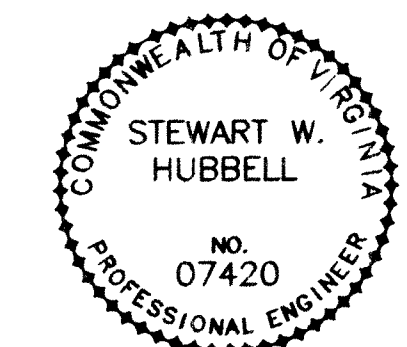
PUE & DRAINAGE EASEMENT

VFP, INC.

D.B. 399, PG. 356
TAX NO. 108-13-9

200' APCO EASEMENT
DB 103 PG 403

PUE & DRAINAGE EASEMENT



REV	DATE	DESCRIPTION	BY	APP
DSGN	TAM	LOT 8 EASTPARK CORPORATE CENTER		
DRAWN	TAM	GRADING PLAN		
CHKD	SWH	BOTETOURT COUNTY, VIRGINIA		
SCALE: 1" = 50'		DATE: MAY, 1995	COMM. NO. 1413	SHEET 4

CAPCO

DETECTOR
CHECK VAULT

EASTPARK

12" DRIVE

LOT 6

EXISTING 42" SD

MBL

CONNECT EXISTING
STORMDRAIN TO
NEW MANHOLE

SDMH

SD 201

DI-38

L=8'

SD 102

SDMH

PUE &
DRAINAGE
EASEMENT

VFP, INC.

D.B. 399, PG. 356
TAX NO. 108-13-9

CONTRACTOR SHALL INSTALL
42" TEMPORARY BYPASS
LINE TO BE LAID ON
GROUND SURFACE.

VDOT STD
EW-2

20' X 12' GROUTED EC-1

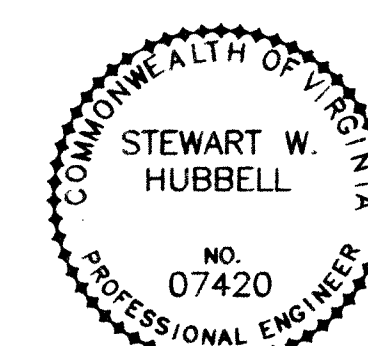
OUTLET
STRUCTURE

VDOT STD EC-3

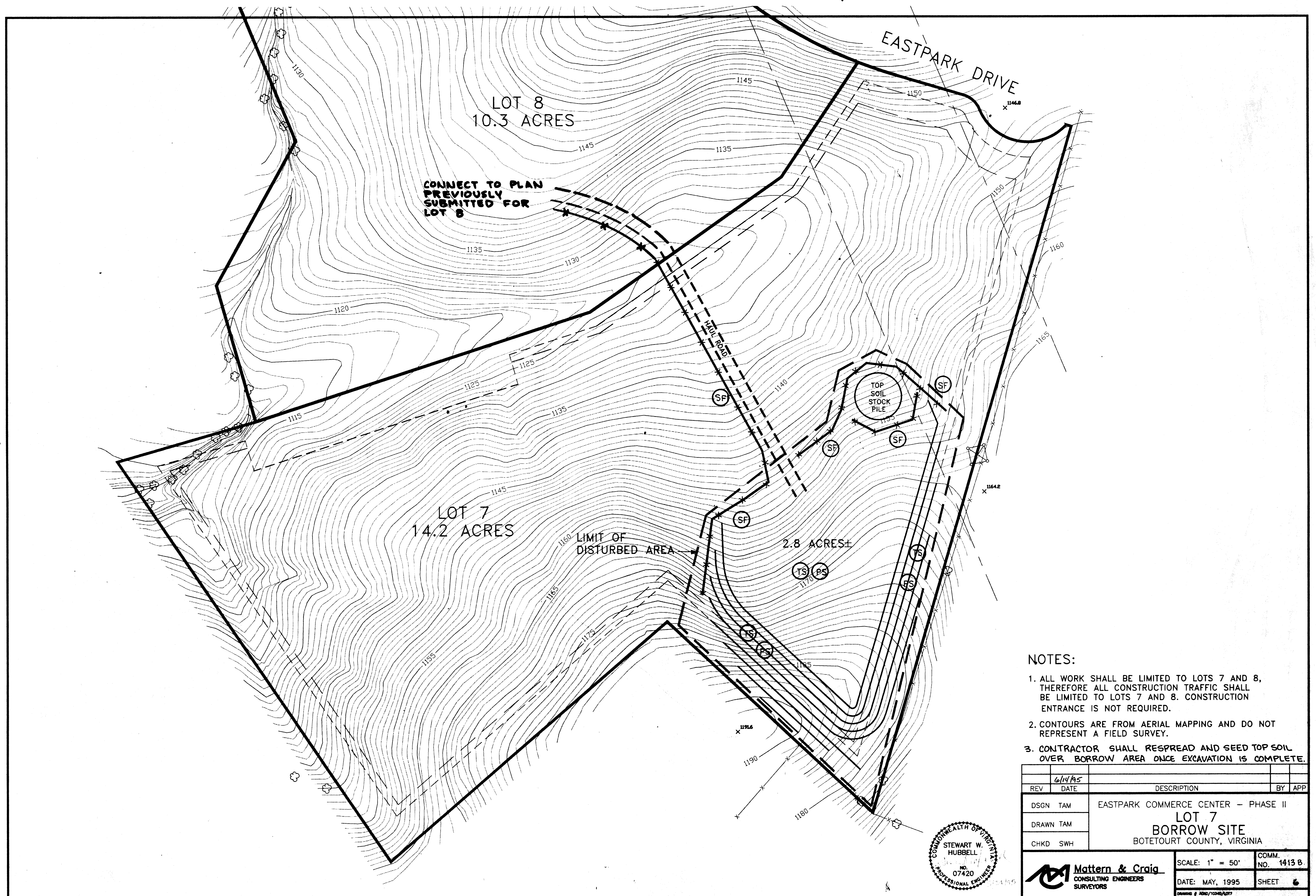
RELOCATE EXISTING 8"
SANITARY SEWER

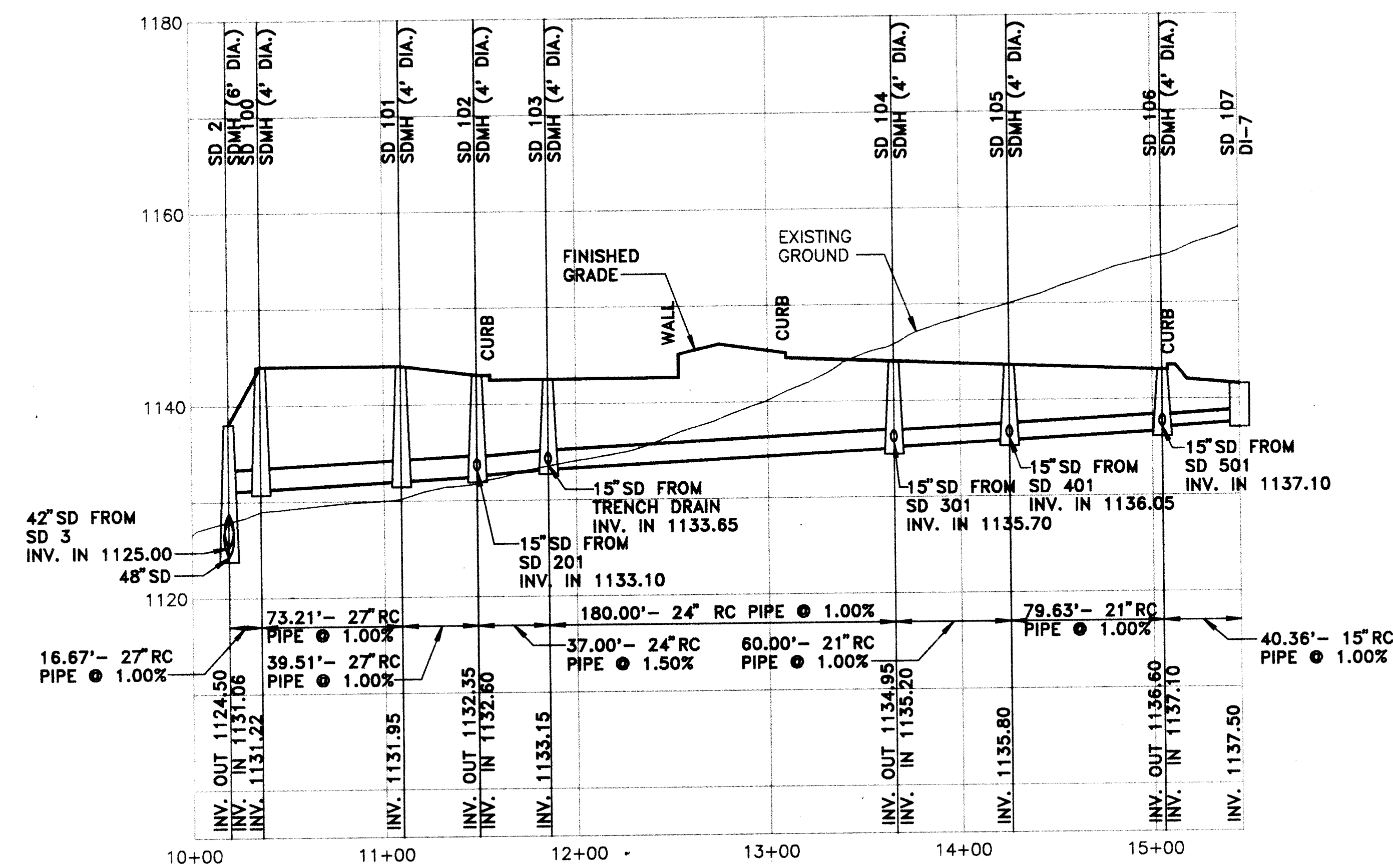
SWALE
VDOT STD EC-2
CONNECT TO
EXISTING
PUE &
DRAINAGE
EASEMENT

200' APCO
EASEMENT
DB 103 PG 403

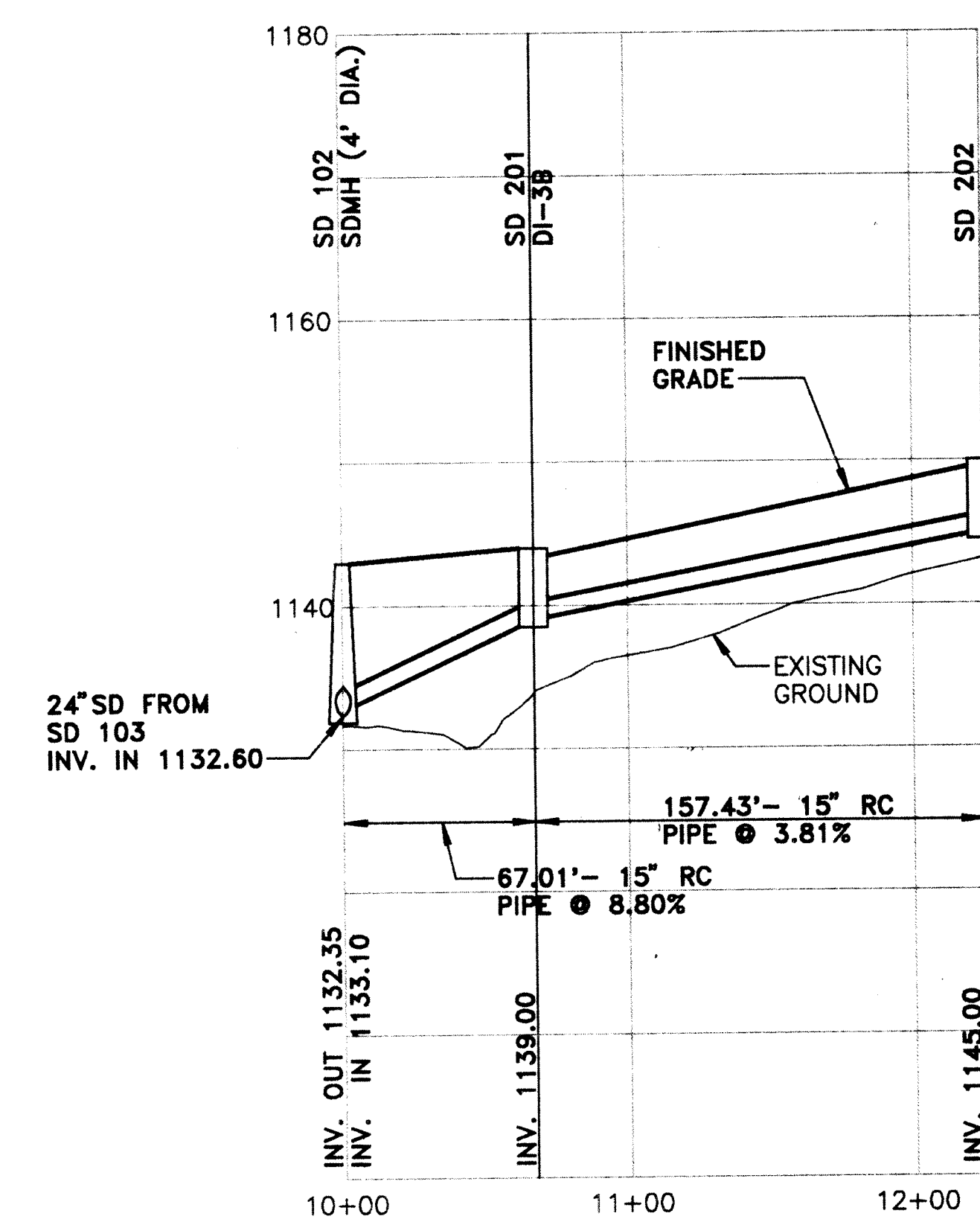


REV	DATE	DESCRIPTION	BY	APP
DSGN	TAM	LOT 8 EASTPARK CORPORATE CENTER UTILITY AND DIMENSIONAL LAYOUT BOTETOURT COUNTY, VIRGINIA		
DRAWN	TAM			
CHKD	SWH			
		SCALE: 1" = 50' DATE: MAY, 1995	COMM. NO. 1413 SHEET 5	

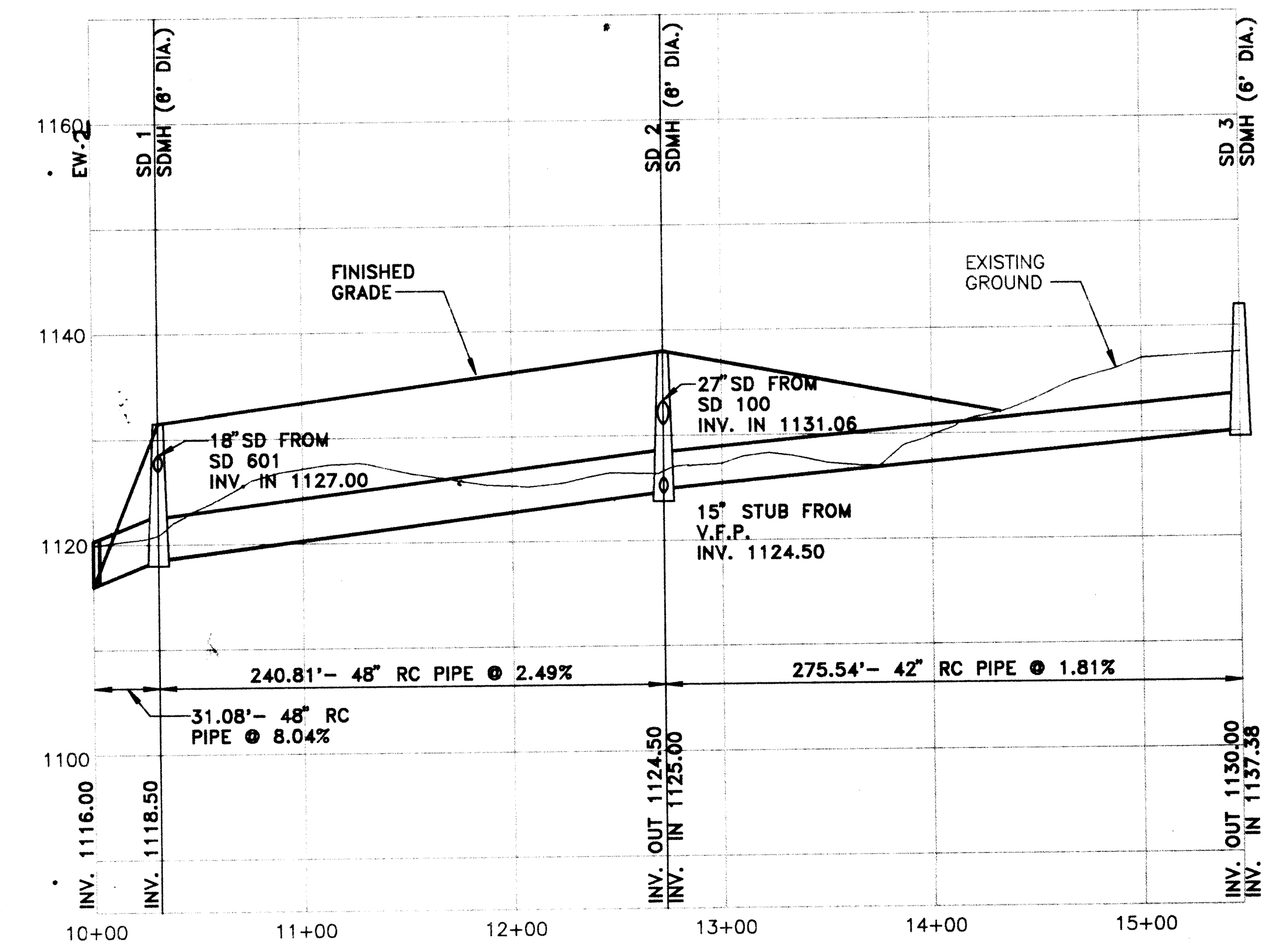




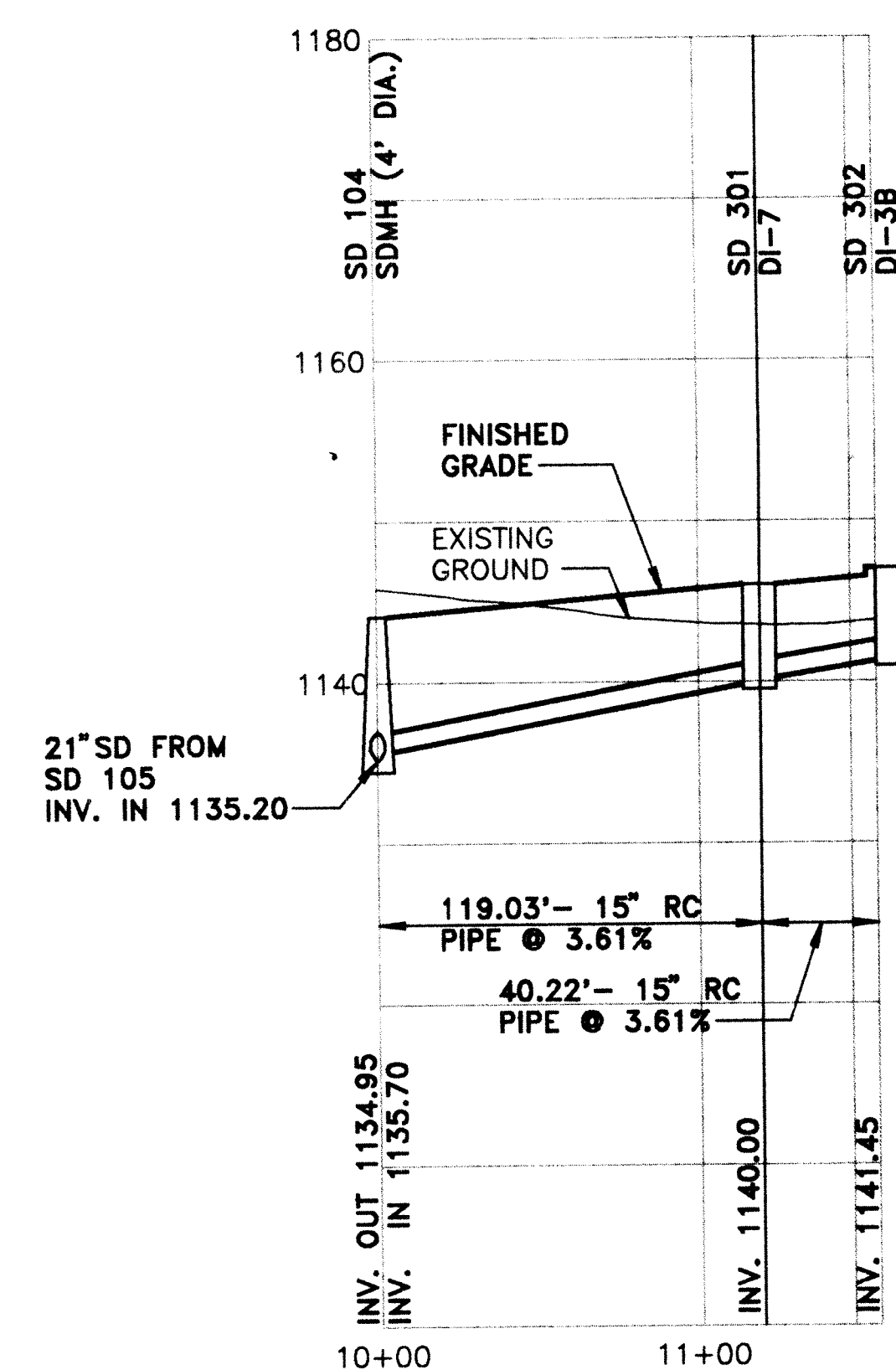
STORM DRAIN PROFILE



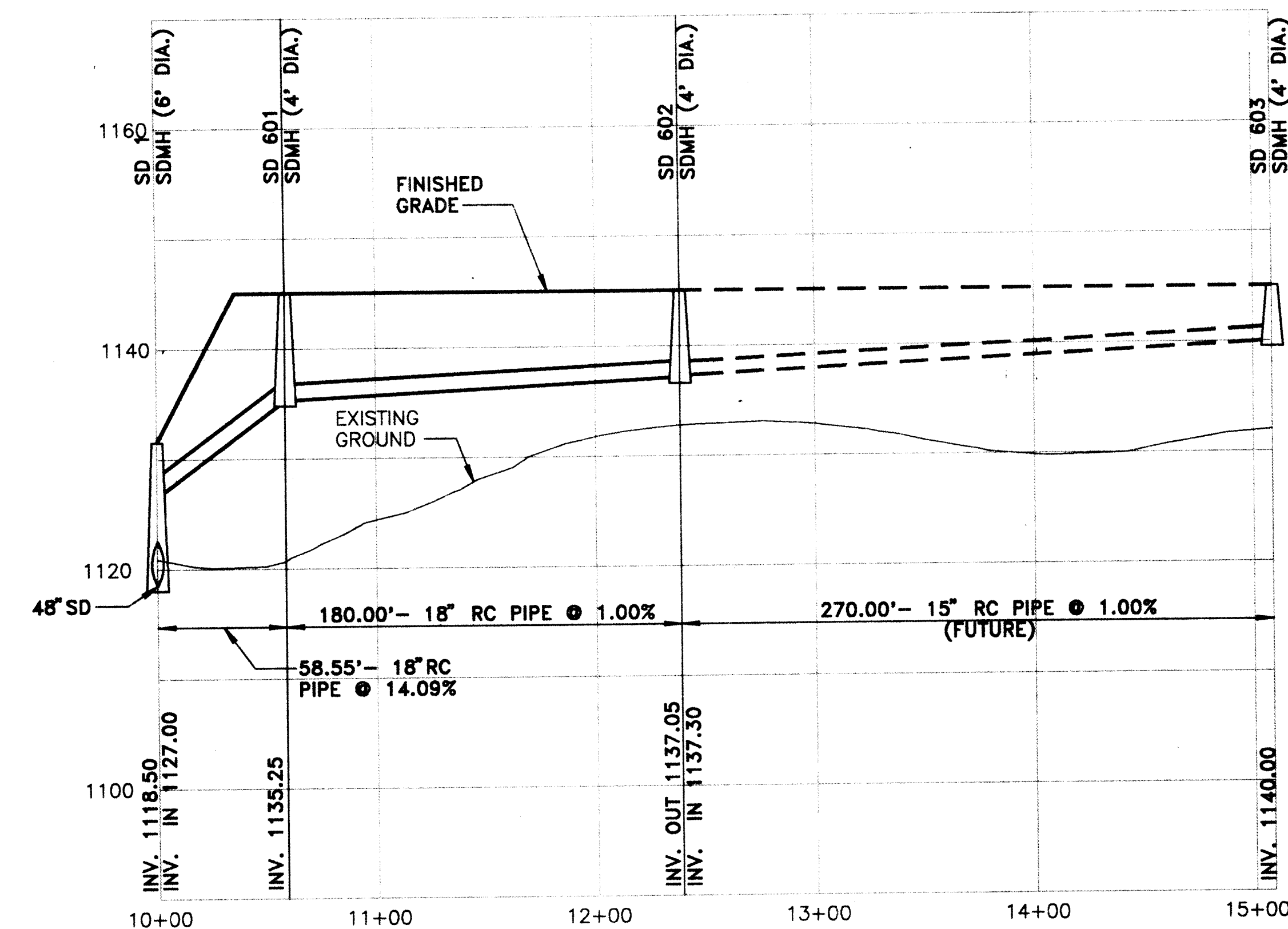
STORM DRAIN PROFILE



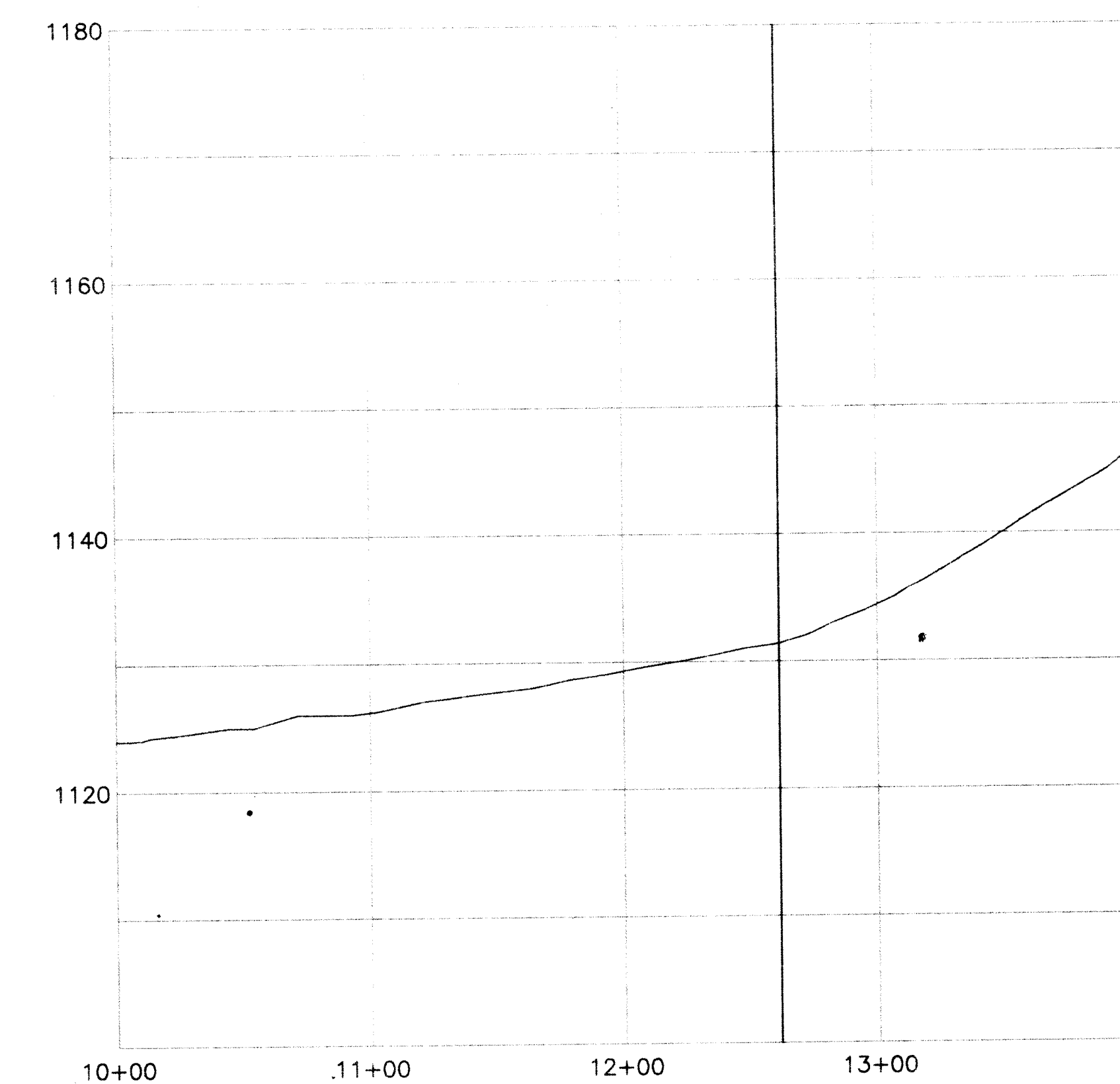
STORM DRAIN PROFILE



STORM DRAIN PROFILE



STORM DRAIN PROFILE



SANITARY SEWER PROFILE

REV	DATE	DESCRIPTION	BY	APP
1	6/14/95			
DSGN	ARKAY PACKAGING CORPORATION			
DRAWN	UTILITY PROFILES			
CHKD	LOT 8, EASTPARK COMMERCE CENTER BOTETOURT COUNTY, VIRGINIA			
Mattern & Craig CONSULTING ENGINEERS SURVEYORS		SCALE: H: 1" = 50' V: 1" = 10'	DATE: JUNE 13, 1995	COMM. NO. 1413 SHEET 7