

NOTE:

PLANS WERE PREPARED BASED ON:

AERIAL TOPOGRAPHY MAPPING PREPARED BY UNIVERSAL ENGINEERING, ROCKVILLE, MARYLAND FLOWN AND MAPPED 1979, AS CONTRACTED BY THE BOTETOURT COUNTY SERVICE AUTHORITY AND SUPPLIED TO CLEAN WATER ENGINEERS, INC.

HORIZONTAL AND VERTICAL GROUND CONTROL BY CHARLES R. McMURRAY, C.L.S., 1979, AS CONTRACTED BY THE BOTETOURT COUNTY SERVICE AUTHORITY AND SUPPLIED TO CLEAN WATER ENGINEERS, INC.

"AS-BUILT" INFORMATION WAS BASED ON EXISTING GROUND CONDITIONS AT COMPLETION OF CONSTRUCTION

PLAN VIEWS, SEWERLINE GRADES, MANHOLE INVERTS ARE ALL CORRECT BASED ON APPROVED "CUT-SHEET" DATA AS SUPPLIED TO CLEAN WATER ENGINEERS, INC., BY THE CONTRACTOR. THE GROUND PROFILE WAS NOT ADJUSTED TO REFLECT AS-BUILT CONDITIONS, THEREFORE THE PROFILES MAY NOT BE TO SCALE HORIZONTALLY OR VERTICALLY. REFER TO THE NUMERICAL NOTES FOR HORIZONTAL DISTANCE AND SEWERLINE GRADES, DO NOT SCALE.

SANITARY SEWER EASEMENTS

LOT	BLK	PARCEL	DB	PG.	PROPERTY OWNER
12	(2) 3	INS. 107C	290	404	FRUITWOOD DEVELOPERS, INC.
13	"	"	"	"	"
14	"	"	"	"	"
15	"	"	307	499	RAYMOND & JOAN W. WORKS, III
16	"	"	240	404	FRUITWOOD DEVELOPERS, INC.
17	"	"	"	"	"
18	"	"	"	"	"
19	"	"	"	"	"
20	"	"	"	"	"
		107(4) 63	206	254	READ MOUNTAIN ASSOCIATES

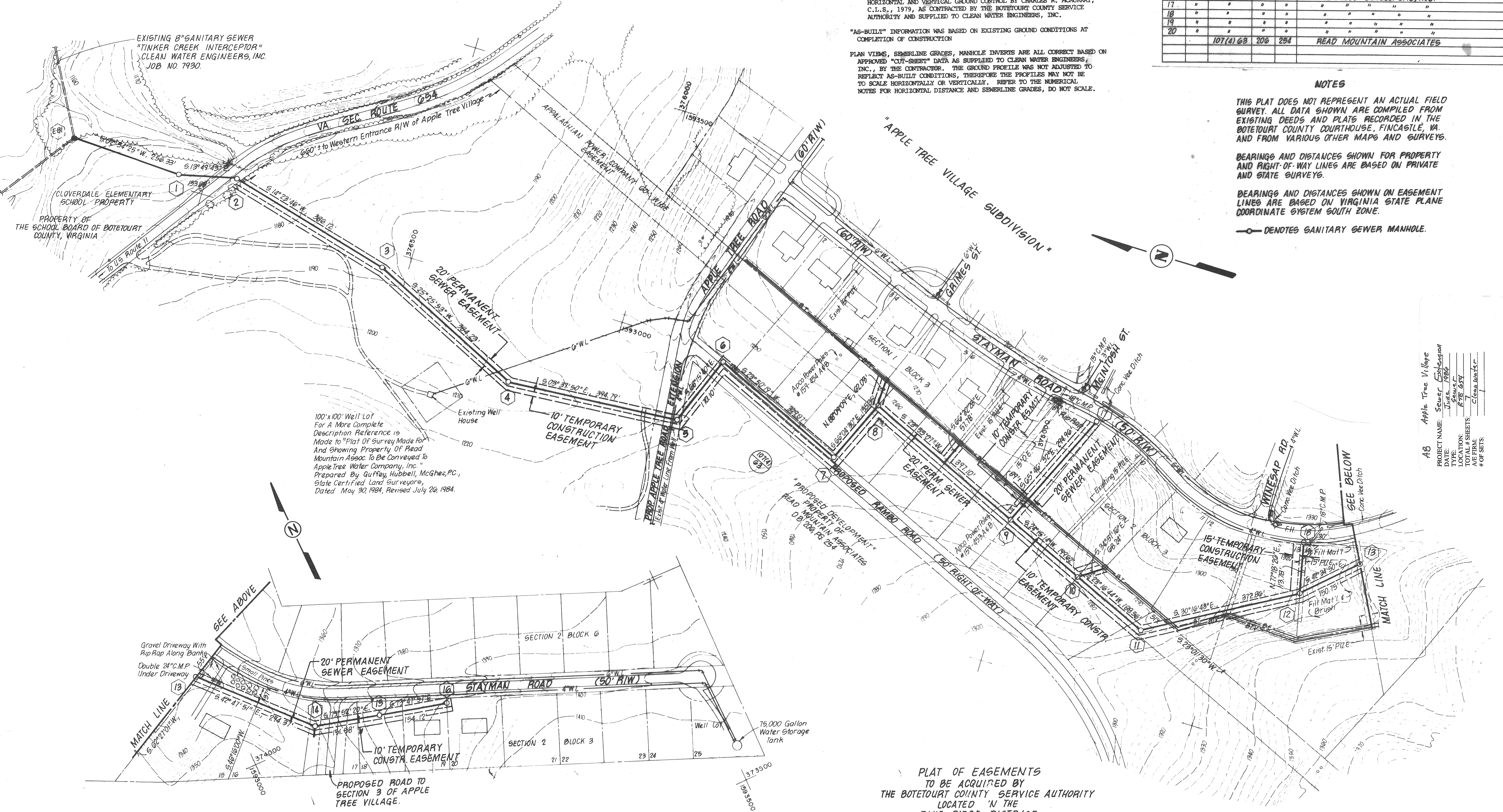
NOTES

THIS PLAT DOES NOT REPRESENT AN ACTUAL FIELD SURVEY. ALL DATA SHOWN ARE COMPILED FROM EXISTING DEEDS AND PLATS RECORDED IN THE BOTETOURT COUNTY COURTHOUSE, FINCASTLE, VA. AND FROM VARIOUS OTHER MAPS AND SURVEYS.

BEARINGS AND DISTANCES SHOWN FOR PROPERTY AND RIGHT-OF-WAY LINES ARE BASED ON PRIVATE AND STATE SURVEYS.

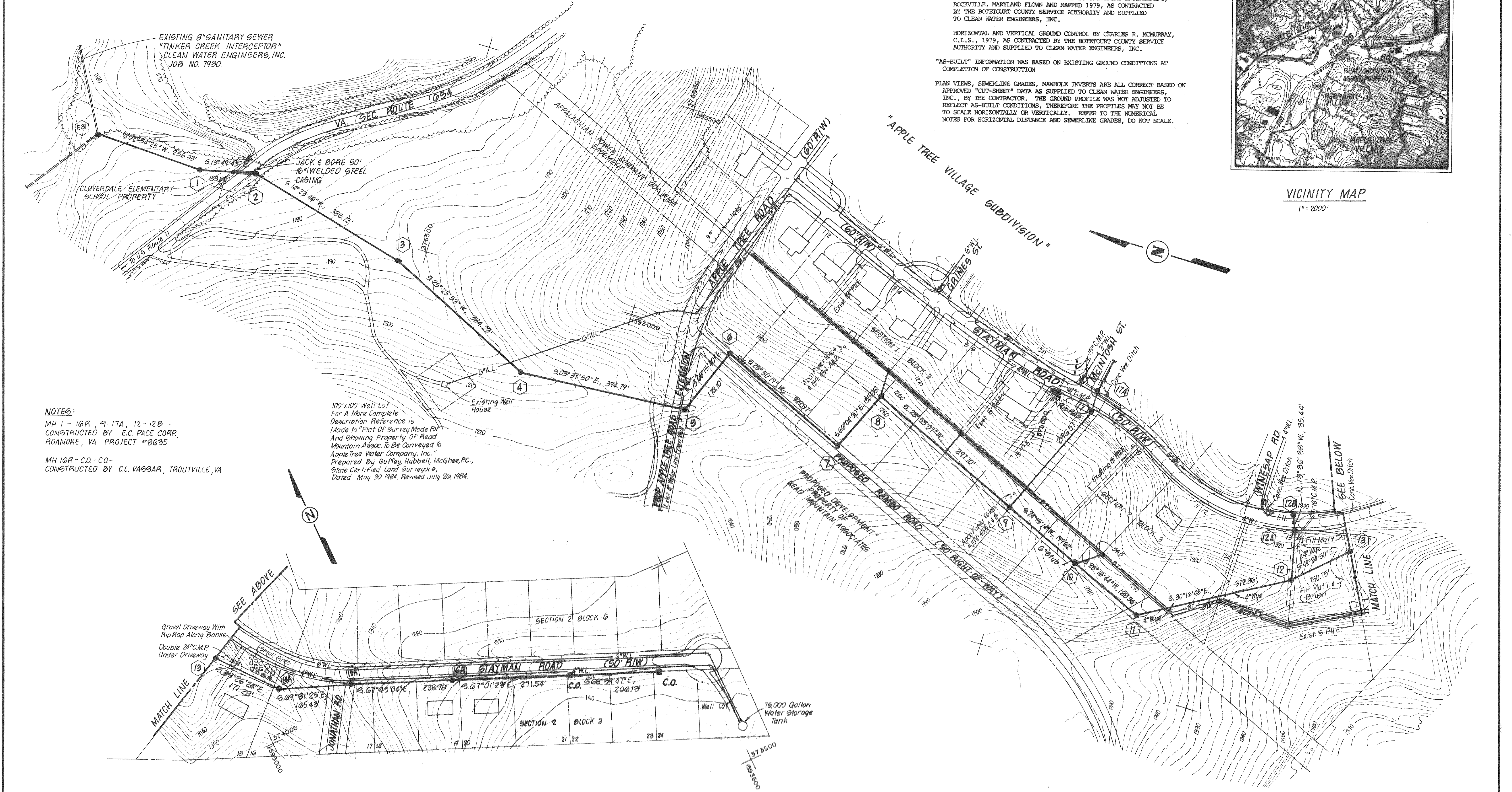
BEARINGS AND DISTANCES SHOWN ON EASEMENT LINES ARE BASED ON VIRGINIA STATE PLANE COORDINATE SYSTEM SOUTH ZONE.

—○— DENOTES SANITARY SEWER MANHOLE.



A8 Apple Tree Village
PROJECT NAME: Sewer Extension
DATE: June, 1986
TYPE: Final
LOCATION: Fincastle, VA
TOTAL SHEETS: 15
SHEET NO.: 15
SCALE: AS SHOWN
BY: JMD
CHECKED: JMD
APPROVED: JMD

PLAT OF EASEMENTS
TO BE ACQUIRED BY
THE BOTETOURT COUNTY SERVICE AUTHORITY
LOCATED IN THE
BLUE RIDGE DISTRICT
BOTETOURT COUNTY, VIRGINIA



EXISTING 8" SANITARY SEWER
"TINKER CREEK INTERCEPTOR"
CLEAN WATER ENGINEERS, INC.
JOB NO. 7930.

CLOVERDALE ELEMENTARY
SCHOOL PROPERTY

NOTES:
MH 1 - 16R, 9-17A, 12-12B -
CONSTRUCTED BY E.C. PACE CORP.,
ROANOKE, VA PROJECT #8635

MH 16R-C.O.-C.O.-
CONSTRUCTED BY CL. VASSAR, TROUTVILLE, VA

100'x100' Well Lot
For A More Complete
Description Reference is
Made to "Plat of Survey Made For
And Showing Property of Read
Mountain Assoc. To Be Conveyed To
Apple Tree Water Company, Inc."
Prepared By Guffey, Hubbell, McGhee, P.C.,
State Certified Land Surveyors,
Dated May 30, 1984, Revised July 26, 1984.

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VICINITY MAP
1" = 2000'



FOR CONTINUATION THIS AREA
SEE SHEET 18 OF 41 OF THE "TINKER
CREEK COLLECTOR" PLANS PREPARED
BY CLEAN WATER ENGINEERS, INC.
PROJECT NO.7949 AND DATED
DECEMBER 1981.

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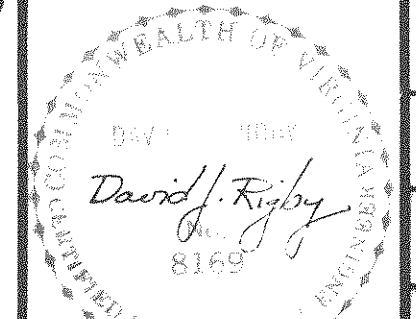
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CONSTRUCTED BY E.C. PACE CORP., ROANOKE, VA PROJECT #8635

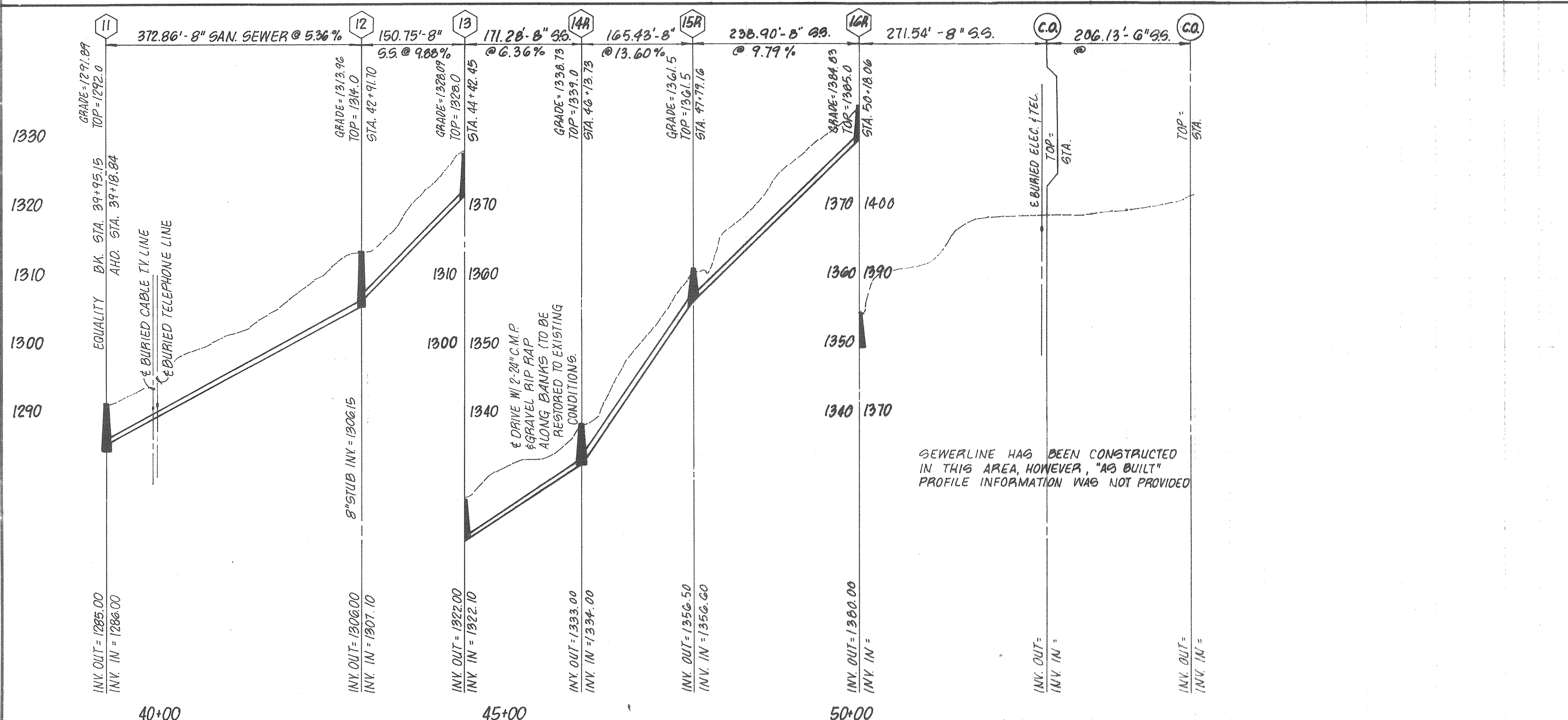
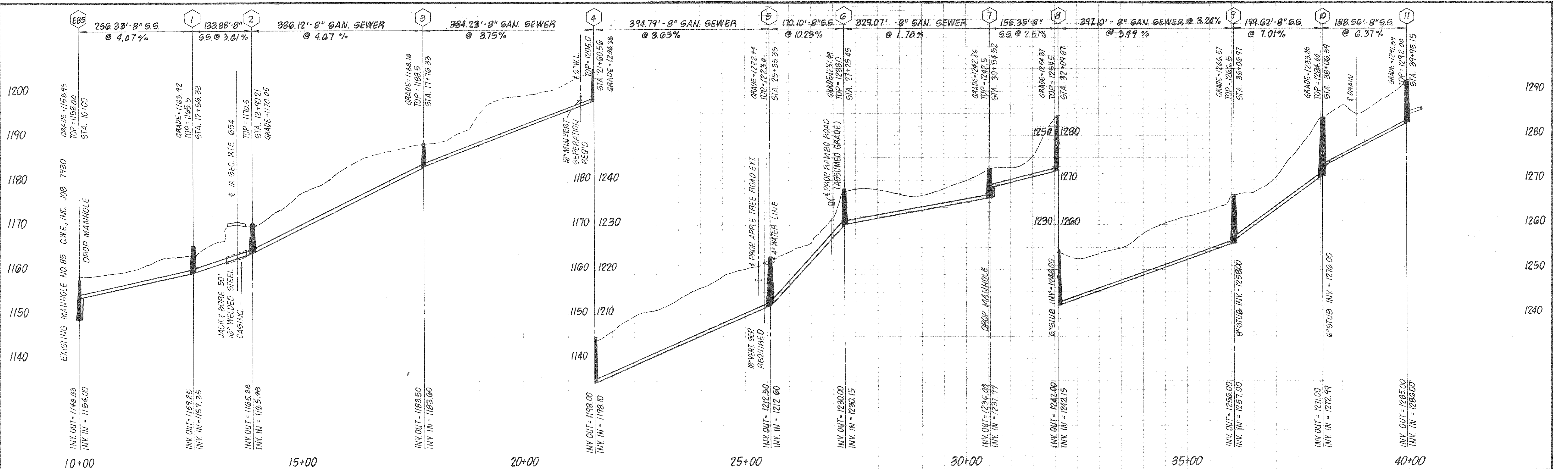
MH 16R - C.O. - C.O -
CONSTRUCTED BY C.L. VASSAR, TROUTVILLE, VA

MH 17A - 17B - C.O.'s -
CONSTRUCTED BY MERLIN, INC., FINCASTLE, VA PROJECT #87045

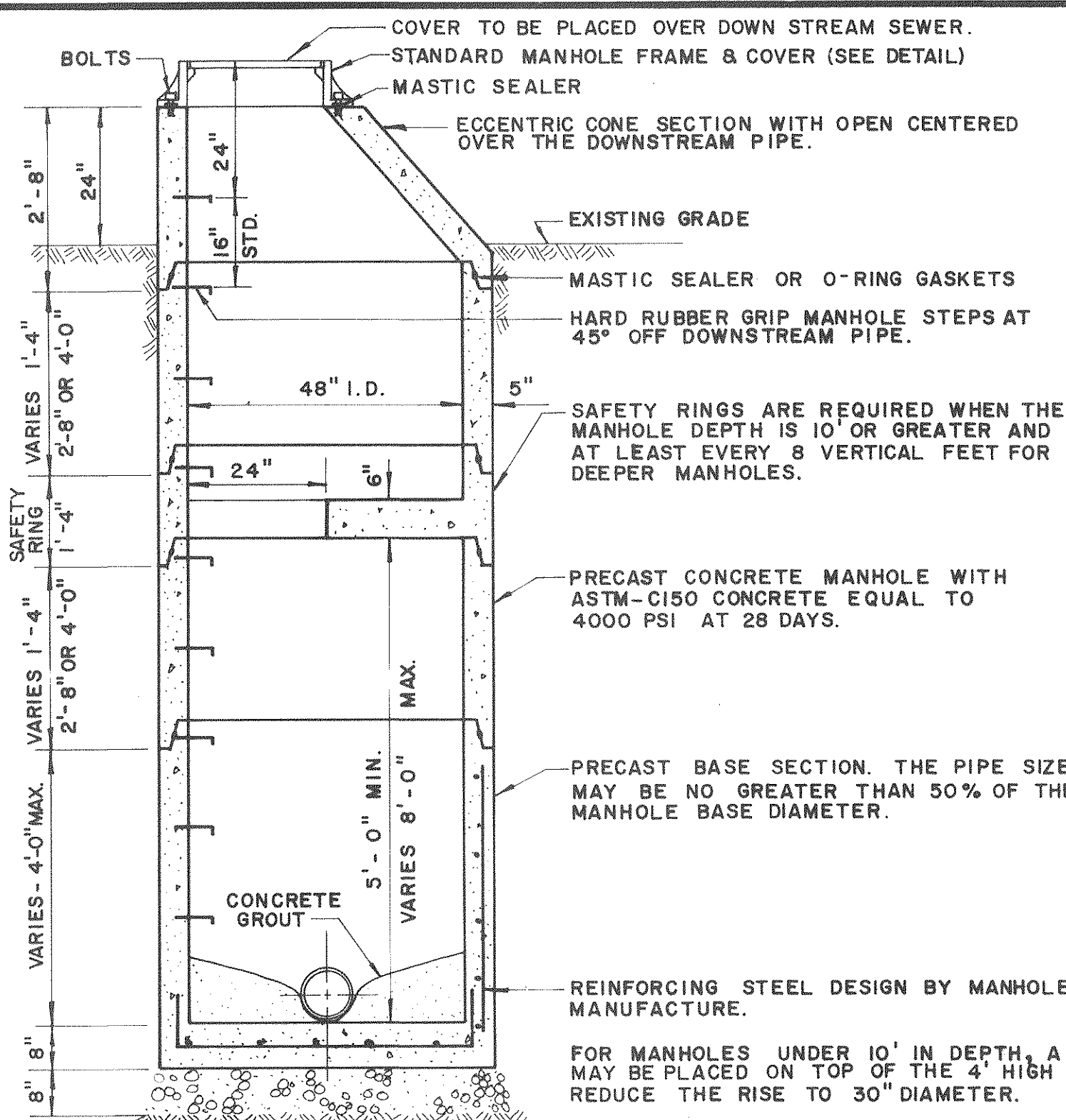
LEGEND

- DENOTES PROPOSED SEWER LINE
- DENOTES EXISTING SEWER LINE

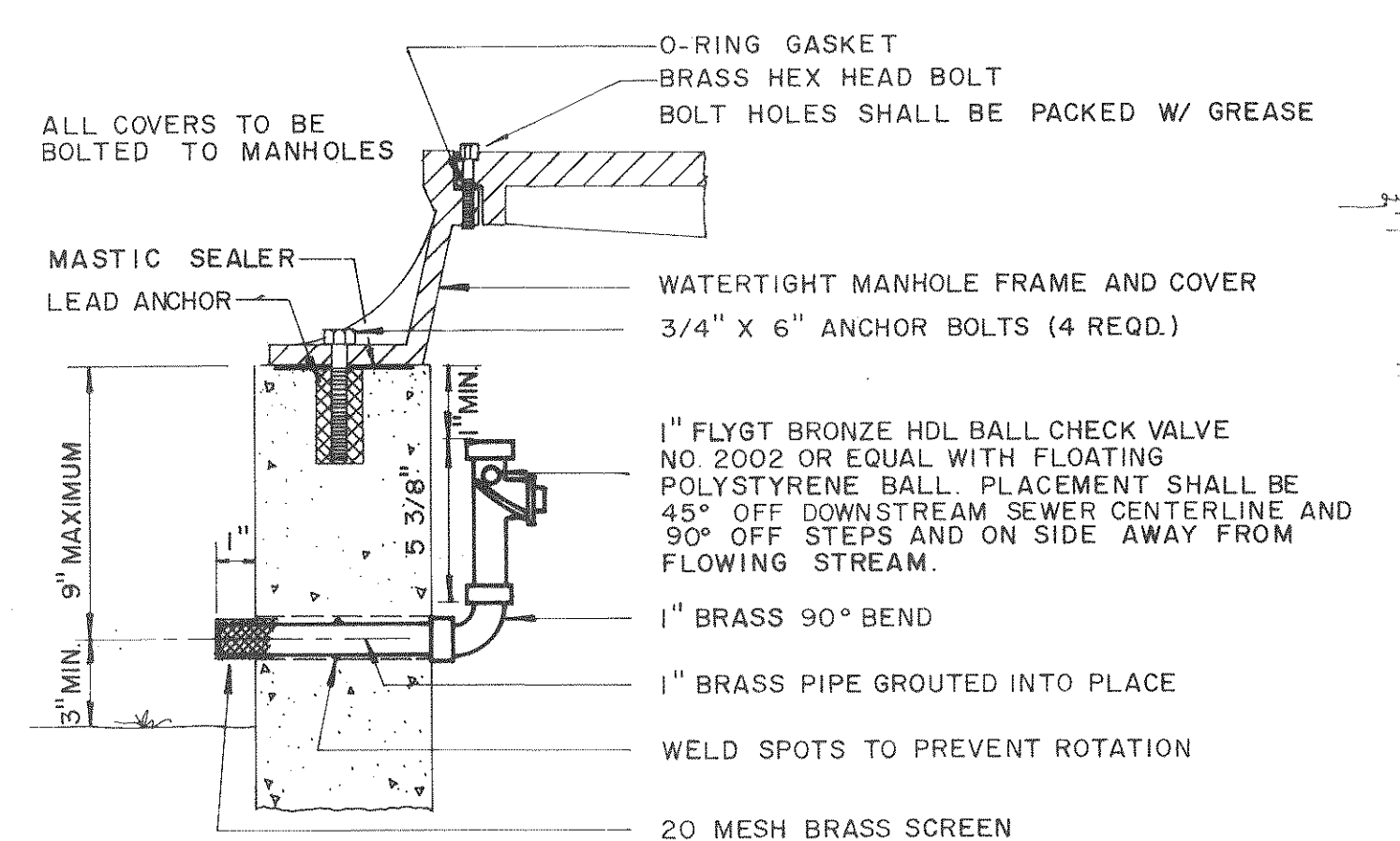
Designed: DJR	Clean Water Engineers, Inc. Fincastle, Virginia	APPLE TREE VILLAGE SEWER EXTENSION	"AS BUILTS"		Sheet: 1A of 3
Drafted: CFA		FOR THE			Scale: 1" = 100'
Checked: JMD		BOTETOURT COUNTY SERVICE AUTHORITY			Date: NOV. 1986
Approved: DJR					Project: 86035



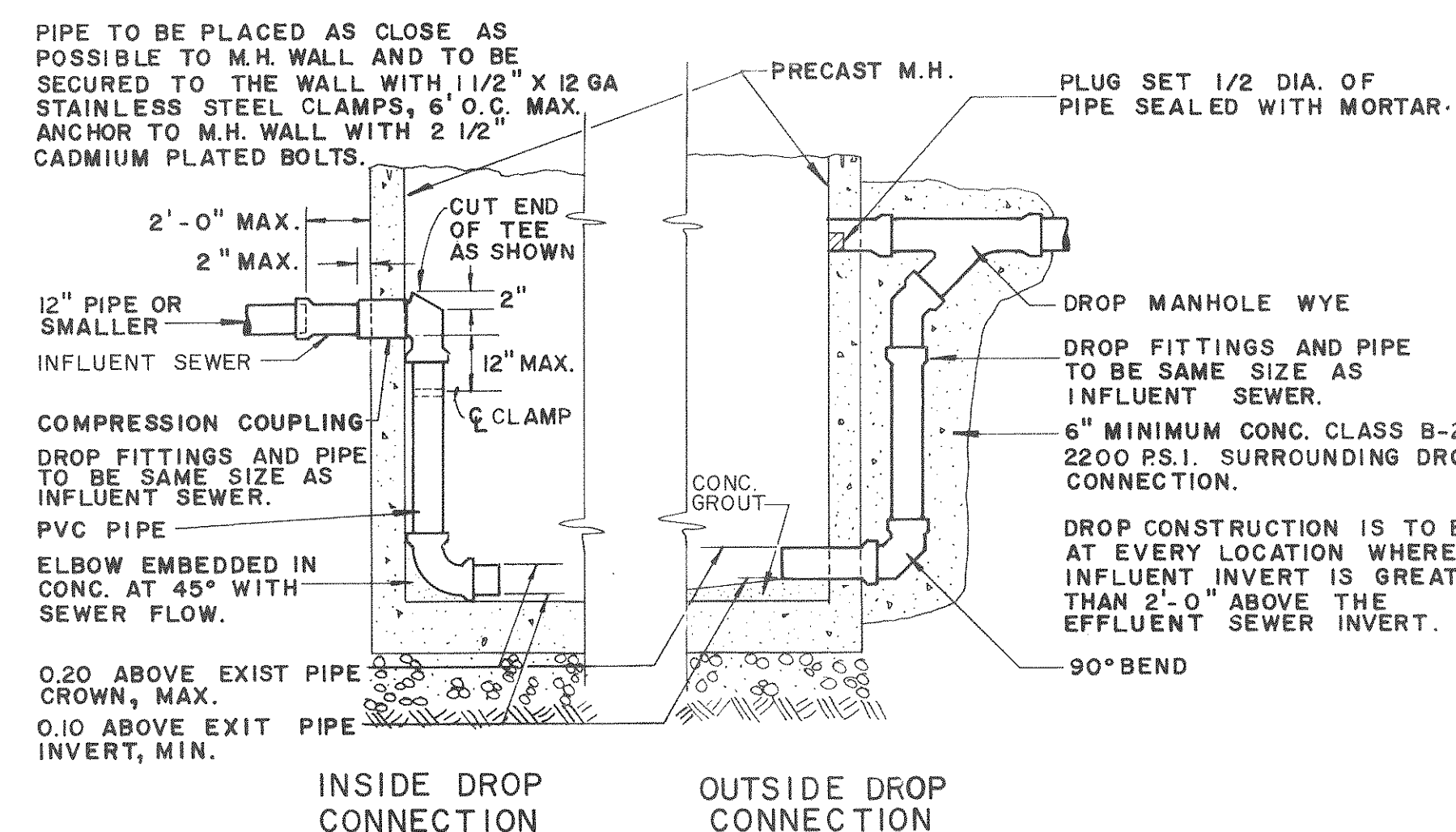
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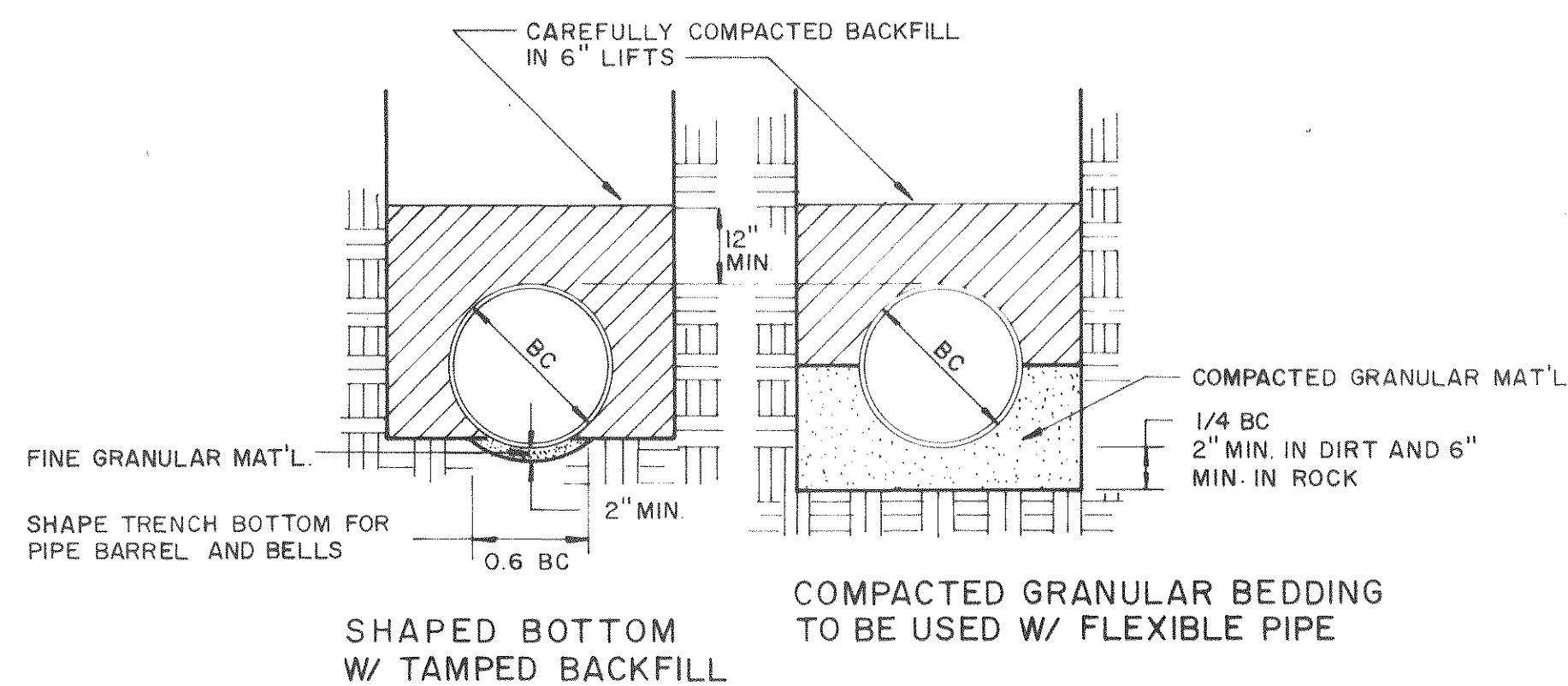
PRECAST ECCENTRIC MANHOLE



WATERTIGHT MANHOLE VENT DETAIL



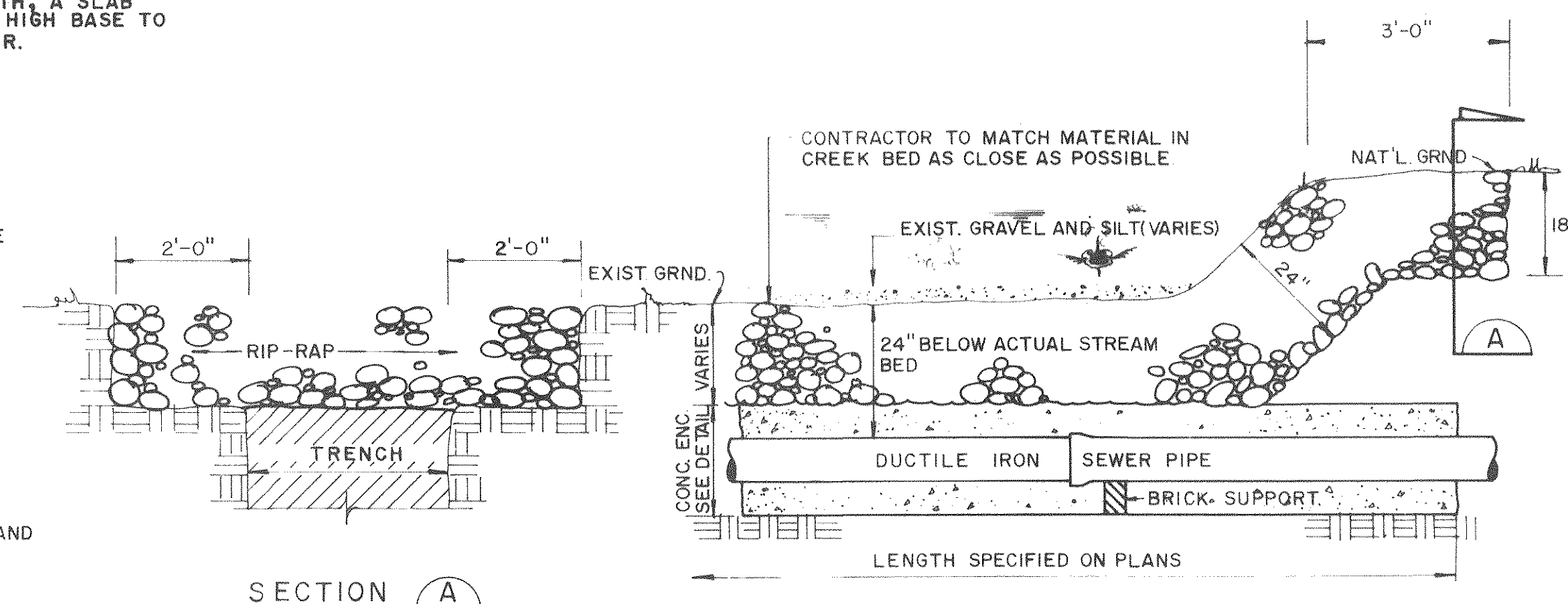
DROP CONSTRUCTION AT STANDARD MANHOLE



BEDDING DETAIL

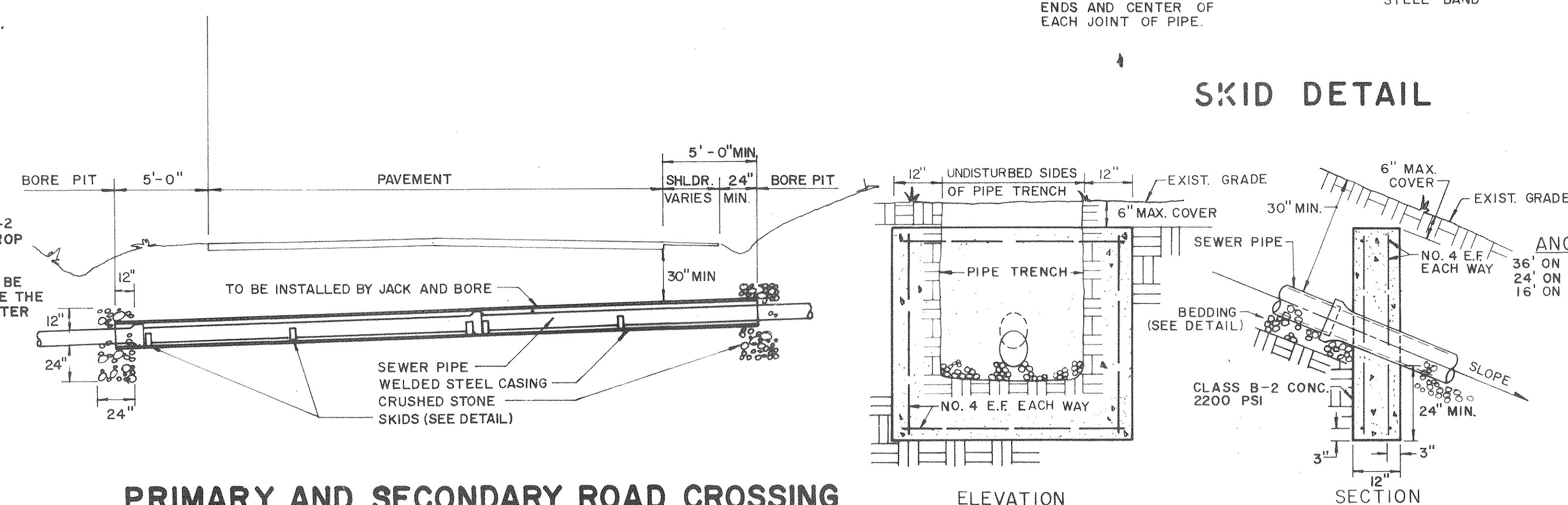
FIRST CLASS — CLASS B BEDDING

THE CONTRACTOR SHALL CHOOSE ONE OF THESE METHODS OF PIPE BEDDING UNLESS OTHERWISE DIRECTED BY THE ENGINEER

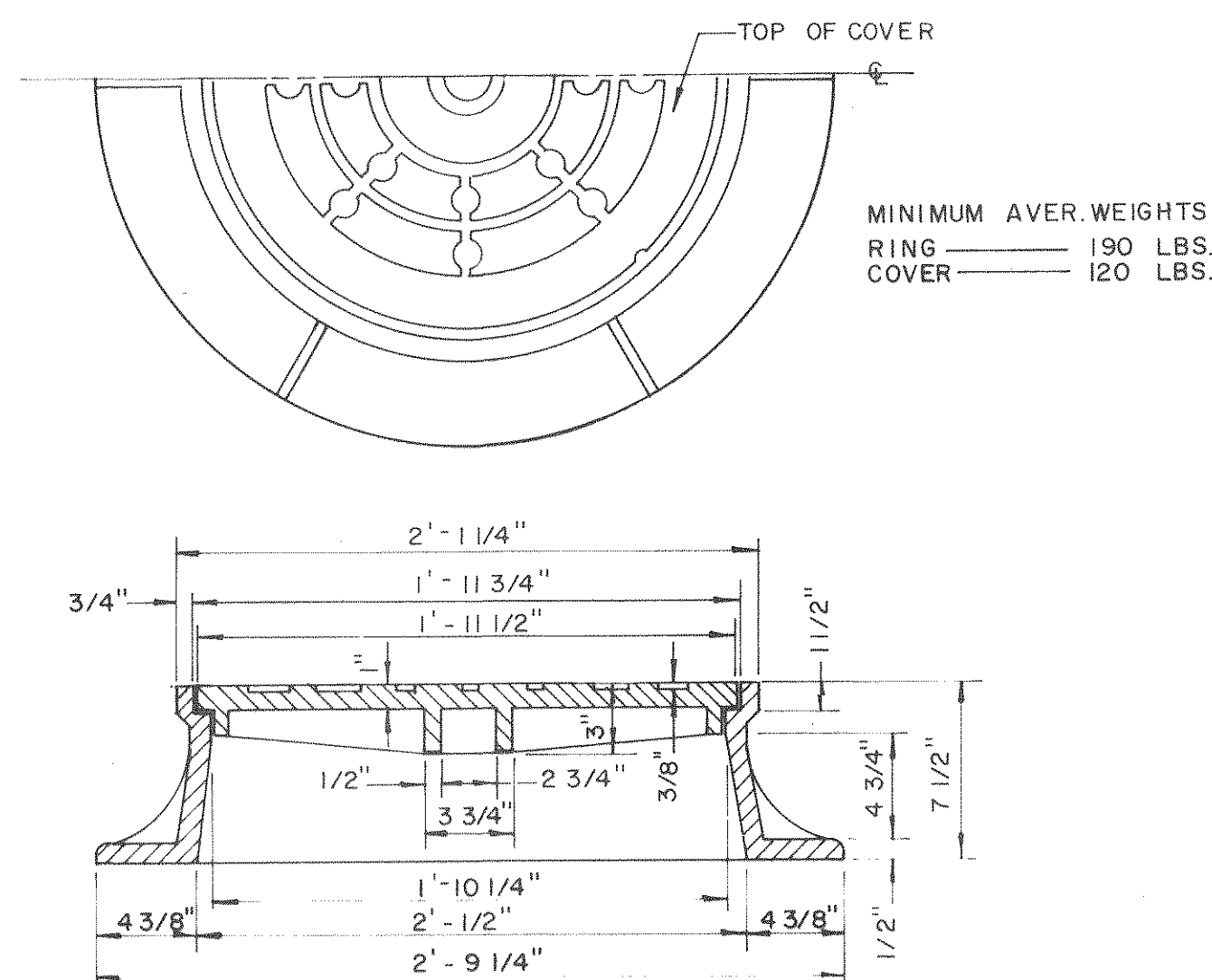


NOTE: AFTER CONSTR. OF EACH CREEK CROSSING THE LINES SHALL BE TESTED FOR INFILTRATION IN ACCORDANCE WITH THE SPECIFICATIONS WITH ZERO INFILTRATION. SHOULD INFILTRATION BE PRESENT, THE CONTRACTOR SHALL RECONSTRUCT THE CROSSING UNTIL ZERO INFILTRATION IS OBTAINED.

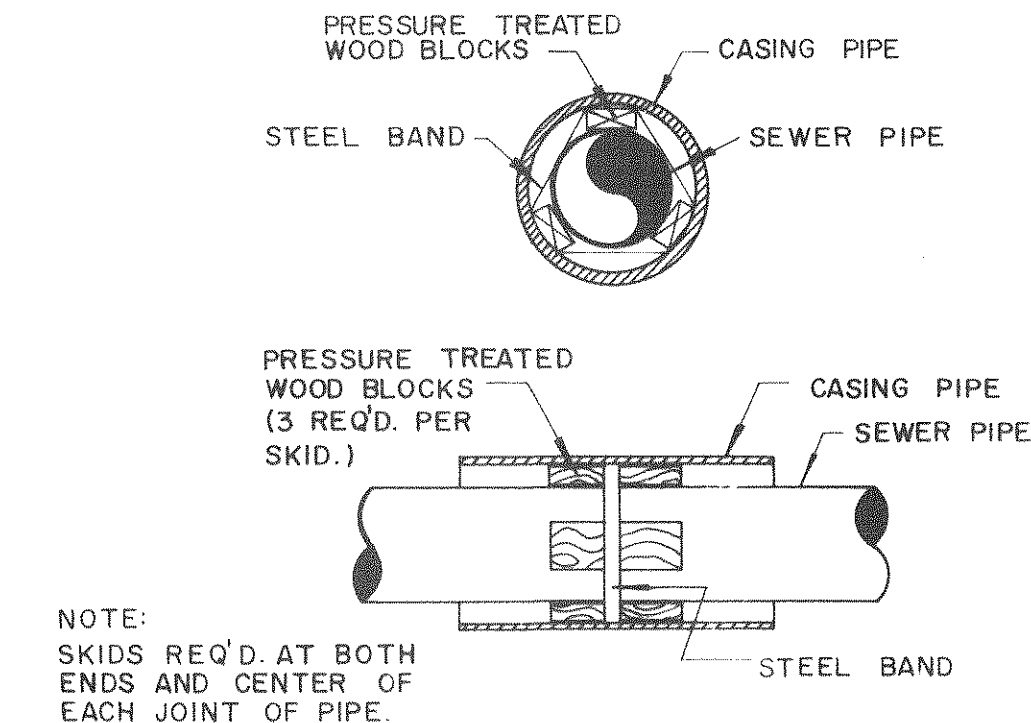
TYPICAL CREEK CROSSING AND BANK PROTECTION



STANDARD MANHOLE COVER

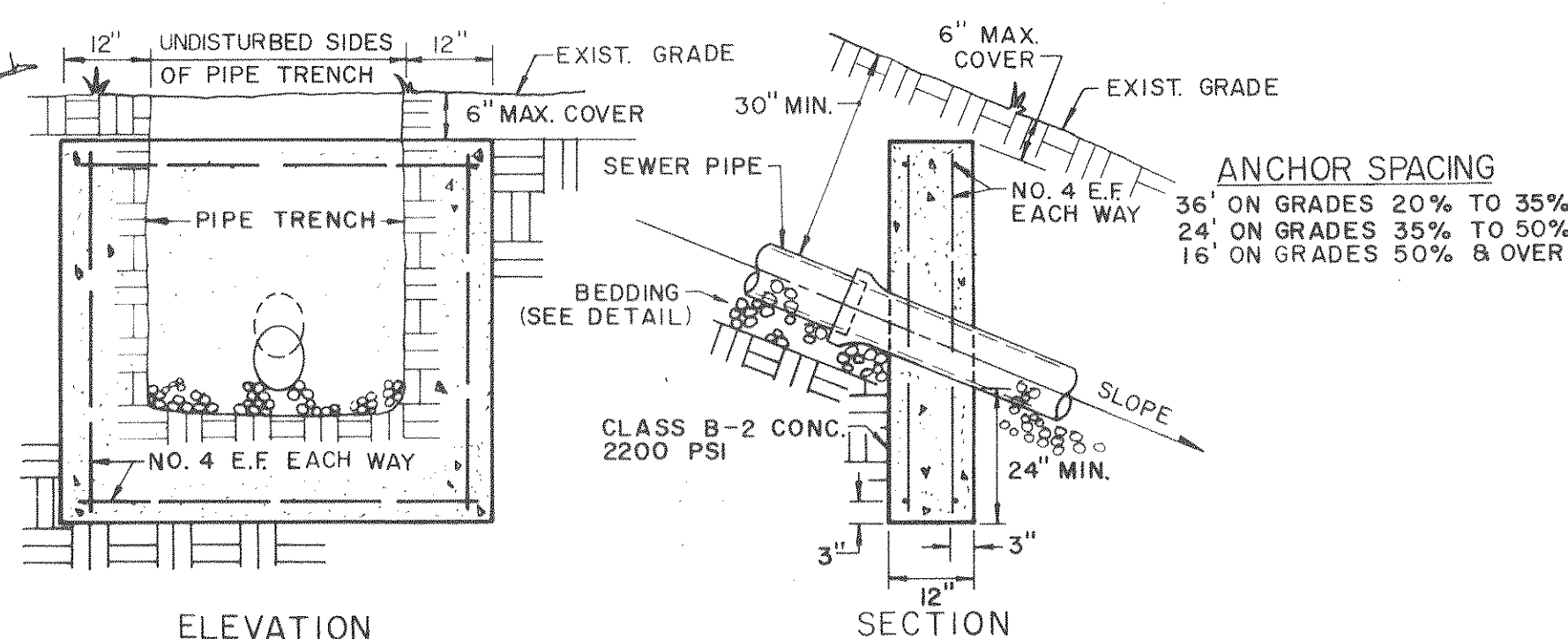


CONCRETE ENCASED PIPE

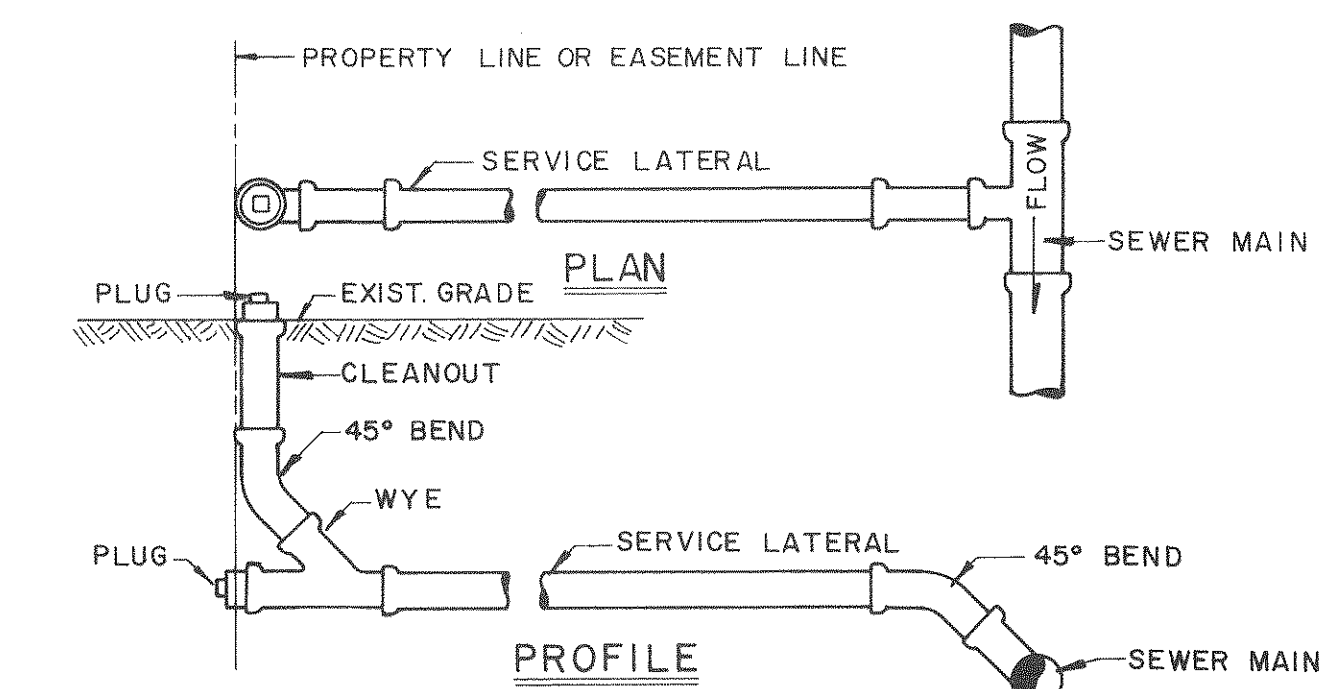


NOTE:
SKIDS REQ'D. AT BOTH
ENDS AND CENTER OF
EACH JOINT OF PIPE.

SKID DETAIL

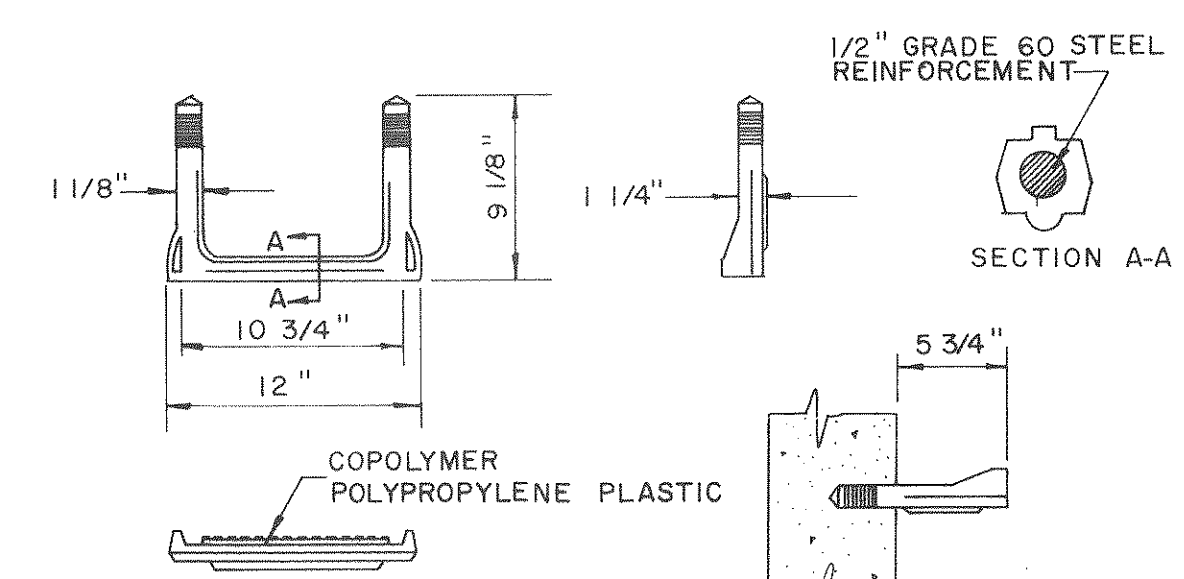


CONCRETE ANCHOR DETAIL



FOR RESIDENTIAL CONNECTIONS LATERAL PIPES SHALL BE 4" DIA. FOR COMMERCIAL CONNECTIONS THE LATERAL SIZE SHALL BE SPECIFIED ON THE PLANS BY THE ENGINEER.

TYPICAL SERVICE CONNECTION



MANHOLE STEP DETAIL

GENERAL NOTES

1. VERTICAL CONTROL: NATIONAL GEODETIC VERTICAL DATUM MEAN SEA LEVEL 1929
HORIZONTAL CONTROL: ASSUMED
2. SEWER LINES ARE LAID AT SUCH DEPTHS AS TO SERVE GROUND FLOOR PLUMBING ONLY AND TO PICK UP SEPTIC TANK DISCHARGE LINES.
3. ROCK QUANTITIES ARE THE ENGINEER'S ESTIMATE ONLY. THEY ARE TO BE USED BY THE CONTRACTOR AS AN AID TO PRICING THE LINE WORK AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SATISFY HIMSELF AS TO ALL CONDITIONS OF WORK BEFORE BIDDING.
4. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE APPROXIMATE AND SHOULD BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY "UNDERGROUND CABLE LOCATION," 1-703-982-2400, AT LEAST 48 HOURS IN ADVANCE OF EXCAVATION IN ORDER TO VERIFY LOCATION OF UNDERGROUND UTILITIES.
5. EXISTING SURFACES DISTURBED BY CONTRACTOR'S WORK SHALL BE RESTORED TO THEIR PRESENT CONDITION.
6. HIGHWAY TRAFFIC SHALL BE PROTECTED AT ALL TIMES BY ADEQUATE LIGHTS, BARRICADES, AND CONSTRUCTION SIGNS. SIGNS SHALL BE IN ACCORDANCE WITH "VIRGINIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND ARE TO BE LOCATED AS DIRECTED BY THE RESIDENT ENGINEER OF THE DEPARTMENT OF HIGHWAYS. CONTRACTOR SHALL PROVIDE FLAGPERSONS AS REQUIRED.
7. CONTRACTOR SHALL PERFORM WORK IN SUCH A MANNER AS TO MINIMIZE EROSION OF SOILS.
8. THERE SHALL BE 10' MINIMUM HORIZONTAL SEPARATION BETWEEN WATER AND SEWER LINES AND 18" MINIMUM VERTICAL SEPARATION WHERE SPECIFIED.
9. ALL CONSTRUCTION MATERIAL AND EQUIPMENT SHALL BE KEPT WITHIN STATE RIGHT OF WAY AND NOT ON ADJACENT PROPERTIES (WHERE APPLICABLE).

NOTE:

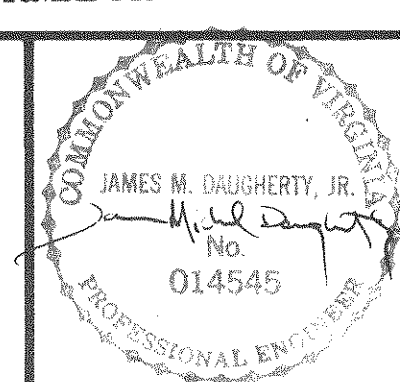
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Sheet: 3 of 3

Scale: NONE

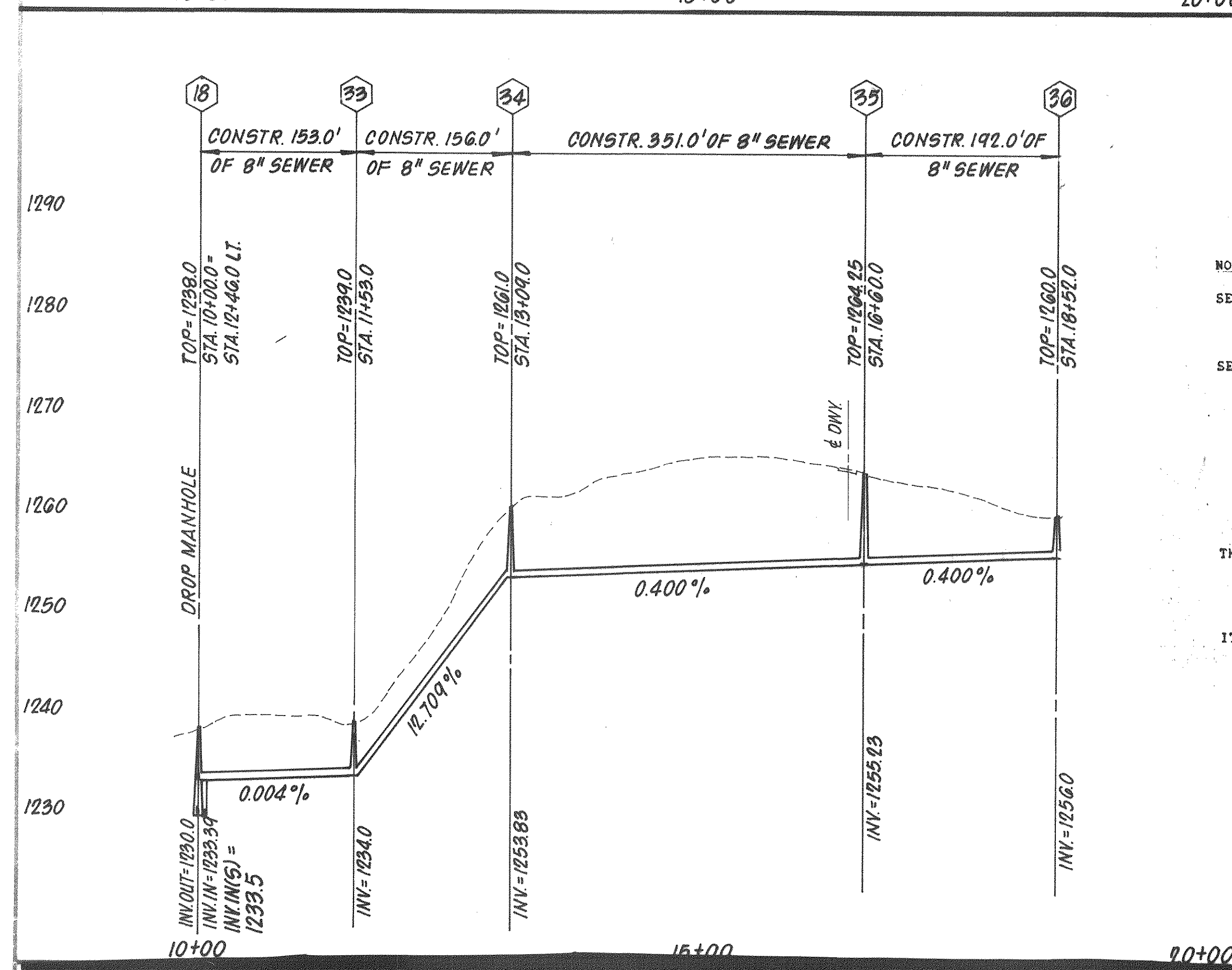
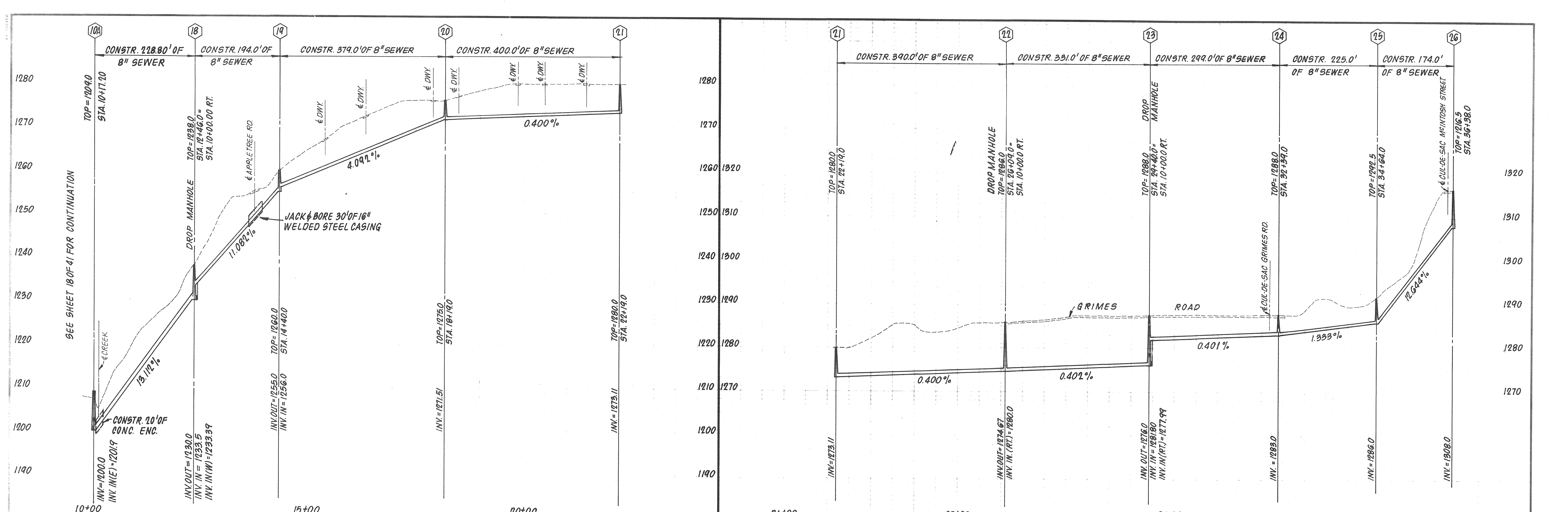
Date: JUNE, 1986

Project: 86035

Designed:	DJR
Drafted:	CFA
Checked:	JMD
Approved:	DJR

Clean Water Engineers, Inc.
Fincastle, Virginia

SEWER DETAILS
APPLE TREE VILLAGE SEWER EXTENSION
FOR THE
BOTETOURT COUNTY SERVICE AUTHORITY



NOTE: NOT FOR CONSTRUCTION

SEWERLINE DESIGN BASED ON EXISTING GROUND CONDITIONS AT THE TIME OF DESIGN. PRESENT DAY CONDITIONS MAY DIFFER FROM THE TOPO INFORMATION SHOWN ON THESE PLANS.

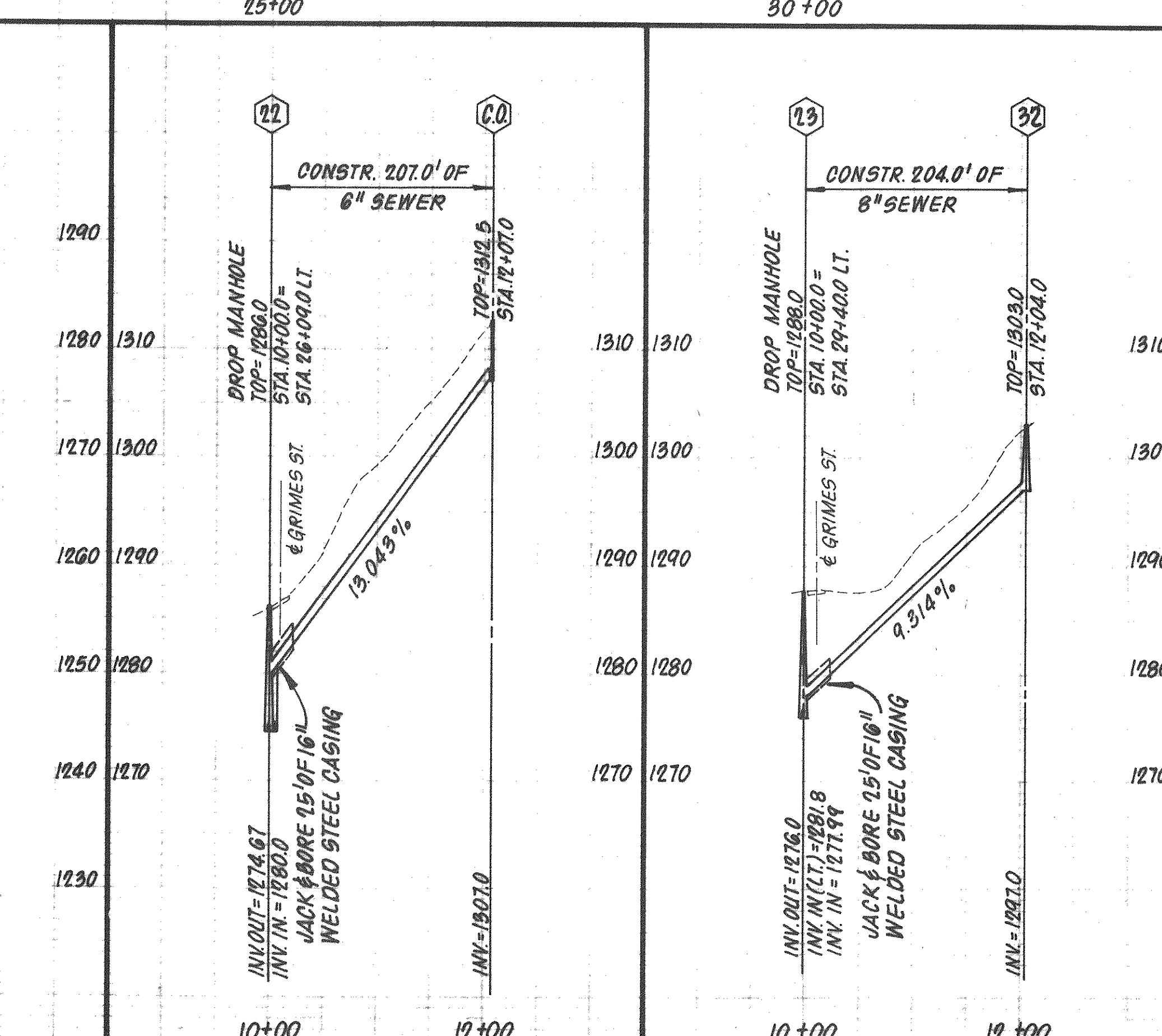
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THESE PLANS MAY BE USED AS A GUIDE FOR PROPOSED SEWER SERVICE DEVELOPMENT IN THE TINKER CREEK DRAINAGE BASIN OF BOTETOURT COUNTY. FURTHER FIELD INVESTIGATIONS MUST BE MADE FOR VERIFICATION OF EXISTING TOPOGRAPHY AND STRUCTURES PRIOR TO INCORPORATION INTO A SET OF CONSTRUCTION DRAWINGS.

IT HAS BEEN NOTED IN THE PAST THERE ARE DISCREPANCIES IN THE AERIAL TOPO VERTICAL DATUM TO THE APPROXIMATE LIMIT OF ONE CONTOUR INTERVAL PLUS OR MINUS.



"APPLETREE VILLAGE" FOR PLAN SEE SHEET 1A OF 3.