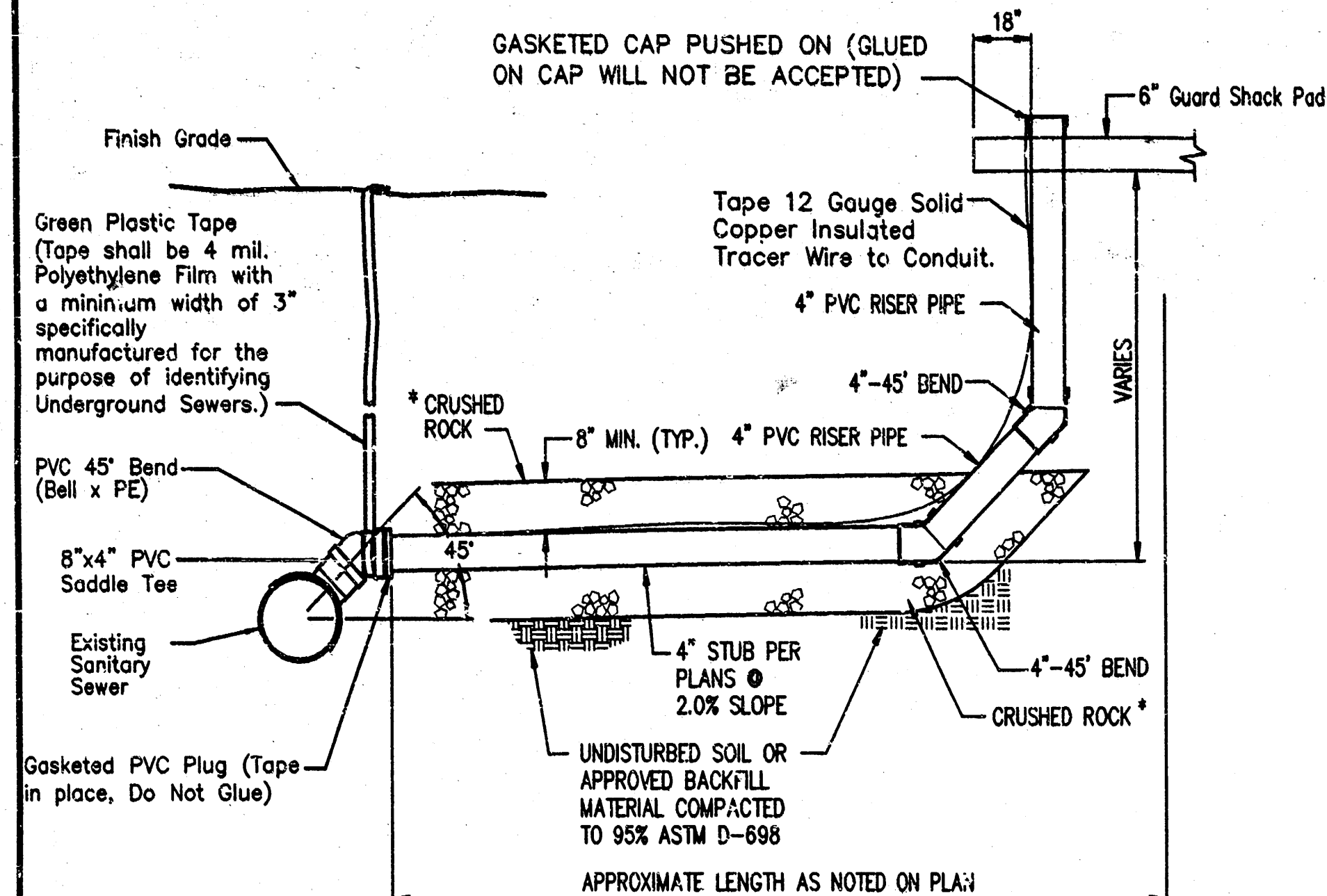
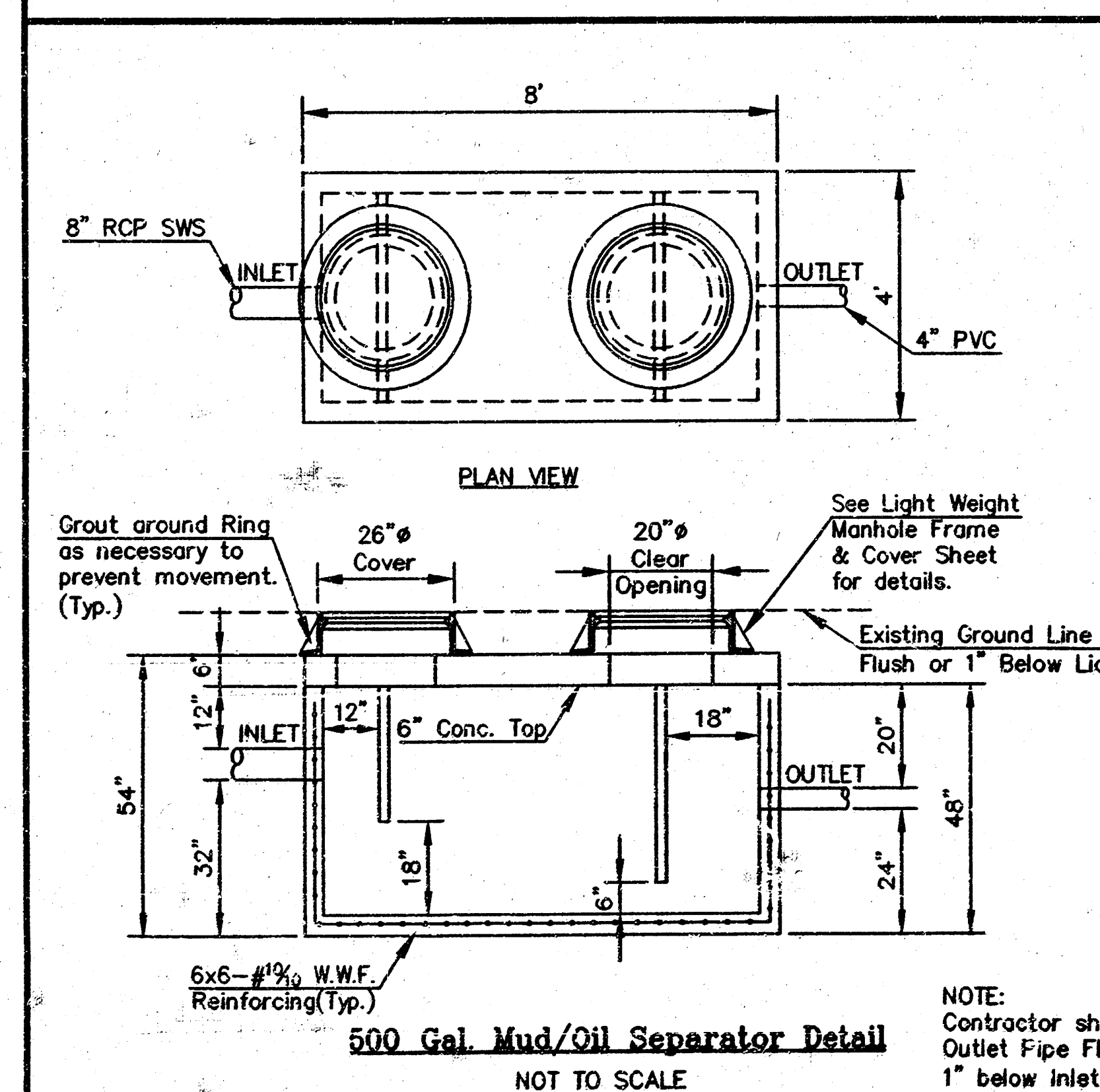


GATE F PARKING LOT UTILITIES PLAN



4" TEE SERVICE CONNECTION, STUB & RISER PIPE

*CRUSHED ROCK SHALL MEET THE REQUIREMENTS FOR GRANULAR BEDDING MATERIAL, AS OUTLINED IN THE SPECIFICATIONS.
*ALL PIPE AND FITTINGS LESS THAN 8" DIAMETER SHALL BE SCHEDULE 40 - SOLID WALL (ASTM D 2685)



NOTE: Contractor shall verify that Outlet Pipe FL is a min. of 1" below inlet Pipe FL.

Proposed 4" SS Connection
FL 8"=1312.53
See 4" Tee Service Connection Detail (This Sheet) for Connection Details.

Proposed Connection is Approx.
111.5' North of next Downstream MH.
Downstream MH Top=1321.00
Downstream MH Invert=1312.20

Contractor Shall Saw Cut Existing 8" RCP and Cap with Brick & Mortar. (Subsidiary to Mud/Oil Separator Installation)

Install Approx. 40 L.F. of 4" SS.

Install New Oil/Water Separator or approved equal. (See Detail)
Top Lid Elev.=1322.30
Top Box Elev.=1321.63
4" Outlet Elev.=1319.46

Remove Existing Mud/Oil Separator. Install same size of Drain Line Pipe in Place of Removed Separator (Subsidiary to Mud/Oil Separator Removal.)

See Demolition Plan for information on sidewalk removal.

Remove Existing Mud/Oil Separator. Install same size of Drain Line Pipe in Place of Removed Separator (Subsidiary to Mud/Oil Separator Removal.)

Install Approx. 40 L.F. of Electric Service from Hangar #3 to Concrete Pad.
Install 2-35 L.F. of 4" PVC (Sch. 40) Conduits a Minimum of 5 L.F. Beyond the Back of Curb. Install 1/2" Nylon Pull Strings & Cap Ends for Future Utilities. Install Conduits 48" deep from top of finished grade to top of Conduit. Install 25' West of East Face of Hangar #3.

CAUTION!!! SBC Telephone 21' Approx. Depth

Install 132 L.F. of 4" PVC Sanitary Sewer Line (See Detail)

Contractor Shall Install 209 L.F. of 1" PVC Water Service Line & Cap at Both Ends. Tape 12 Gauge Solid Copper Insulated Tracer Wire to Conduit up through Concrete Pad.

Install 140 L.F. of 15" RCP SWS @ 0.38%

CAUTION!!! SBC Telephone 10' Approx. Depth

Existing SS MH
Top Elev.=1321.00
Invert=1313.40

CAUTION! Underground Electric Duct Bank
Exist. Top of Curb Elev.=1320.93
Duct Probe Depth=53"
Duct Top=1316.51
Prop. FL 15" SWS RCP=1317.92
Bottom of 15" RCP=1317.73
Approx. Clearance=1.22' or 14.6"

Install Type 1 Curb Inlet
Top Elev.=1320.50
FL E(15" RCP)=1317.57
FL S(15" RCP)=1317.77
N 4070.54
E 5740.69

Install 2'x4' Area Inlet
Top Elev.=1320.90
FL N(18" RCP)=1315.85
FL S(15" RCP)=1315.85
FL E(21" RCP)=1315.50
FL W(15" RCP)=1315.70

Remove Exist. Curb Inlet
Top Elev.=1321.10
FL N(18" RCP)=1315.85
FL S(15" RCP)=1315.85
FL E(21" RCP)=1315.50

CAUTION! Underground Electric 2" Conduit
Exist. Top of Asphalt Elev.=1320.69
2" Conduit Probe Depth=25.8"
2" Conduit Top=1318.54
2" Conduit Bottom=1318.37
Prop. FL 15" SWS RCP=1315.73
Top of 15" RCP=1317.17
Approx. Clearance=1.2' or 14.4"

UTILITY LEGEND	
□	= Catv Box
○	= Fire Hydrant
□	= Guard Post
○	= Guy Anchor
○	= Guy Pole
○	= Light Pole
○	= Electric Riser
○	= Utility Pole
○	= Bore Location
○	= Sign
○	= San. Sewer Manhole
○	= Storm Sewer Manhole
○	= Telephone Riser
○	= Water Meter
○	= Water Valve
○	= Gas Meter
○	= Gas Valve
○	= Flight Safety(Fiber Optic Cable)
○	= Fiber Optic(Gate F Controller)
○	= Gas Line
○	= Overhead Electric
○	= Underground Electric
○	= SBC-Underground Telephone
○	= Underground Telephone
○	= Waterline
○	= Sanitary Sewer Line
○	= Construction Limits

NOTE: There was no response by SBC to Kansas One-Call Ticket #3449482 called in on December 17, 2003.

W.A.A. flagged SBC's Telephone Line while flagging their own utilities.

1" WATER METER RELOCATION NOTE:
Existing 1" Water Meter for Paint Hangar will be Relocated by the City of Wichita Water Dept. Contractor will be responsible for coordinating with City on Meter Relocation.

GAS VALVE NOTE:
Contractor Shall Construct Pavement over Gas Meter.
Contact Charlene Lawless w/ KGS Prior to Construction of Parking Lot (932-3121).

SUMMARY OF UTILITY QUANTITIES		
TYPE	UNITS	QUANTITY
15" RCP SWS	L.F.	245
Type 1 Curb Inlet	Each	1
2'x4' Area Inlet	Each	2
4" PVC Utility Conduit	L.F.	140
Oil-Water Separator(Remove)	Each	2
New Oil-Water Separator	Each	1
4" PVC SS Line	L.F.	172
4" Tee Service Connection	Each	2
1" PVC Water Service Line	L.F.	209
1" PVC Caps	Each	2
1" Water Meter Relocation	Each	1

UTILITIES SHOWN REPRESENT THE BEST INFORMATION AVAILABLE FOR DESIGN. ADDITIONAL UTILITIES MAY BE PRESENT ON THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH AND SIZE OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY THE FAILURE TO DO SO.

UTILITIES PLAN FOR
SECURITY GATE F PARKING LOT
WICHITA MID-CONTINENT AIRPORT, WICHITA, KANSAS
CED PROJ. NO.: 20031083
CERTIFIED ENGINEERING DESIGN, P.A.
810 WEST DOUGLAS, SUITE C
WICHITA, KANSAS 67203
PH.(316)262-8808 FAX.(316)262-1669

DESIGNED: HOF	SCALE: 1"=20'	SHEET
DRAWN: CKW	DATE: 4/04	12
CHECKED: HOF	CED FILE: Gate-F-Base	TOTAL 46