

ASSUMED
NORTH

CAP PIPES FROM
STEEL STD. TANKS
AT BACK OF CURB

EXISTING STEEL STORAGE
TANKS - 50,000 GAL. EACH
REMOVE TANKS & PIPING
PIER SUPPORTS & FOUNDATION

10" DRAIN TO INTERCEPTER

REMOVE 48" FLAP
GATE VALVE &
REPLACE WITH 48"
VERTICAL SLIDE GATE
WITH ELECTRIC
ACTUATOR WITH 10'
EXTENSION.

48" WASH
WATER DRAIN

BENCH MARK
TOP OF EXIST.
WALL = 899.25

6" CHLORINE
SOLUTION LINE

6" CURB 10' WALL

OLD CHLORINE CONTACT
BASINS

GENERAL NOTES:

1. 6" FILL PIPE WITH FILL CAP & BACKFLOW PREVENTER.
EXTEND FILL PIPE 3'-6" ABOVE TOP OF CURB & SECURE.
2. 4" PIPE FROM PUMP TO STORAGE TANKS WITH GATE
VALVES AND BACKFLOW PREVENTER.
3. CHEMICAL TRANSFER PUMP. SEE SPECS.
CONTROL PANEL ON WALL.
4. 2" CHEMICAL PIPE
5. CHEMICAL PUMPS. SEE SPECS.
6. NEW BUILDING TO HOUSE PUMPS, ETC. SEE SH. 2
7. CONDUIT TO 48" VALVE ACTUATOR.
8. EXISTING SITE LAMP POST. MOVE TO
NEW LOCATION BEHIND NEW CURB AS
SHOWN.
9. 4" DRAIN LINE AT BOTTOM OF TANK WITH GATE
VALVE. FORM GUTTER IN CONCRETE SLAB
10. REMOVE AND DISPOSE OF METAL SHED BUILDING.
11. MOVE EXISTING STORM WATER CATCH BASIN
AS INDICATED.
12. EXISTING ELECTRIC MANHOLES. SEE SLIDE GATE
VALVE SPECS.

PLAN
SCALE: 1/8" = 1'-0"

EXISTING ELECTRIC
PANEL WITH SPARE
BREAKER TO PANEL
IN PUMP HOUSE.

FOOTING: 11' W X 1'-6" D X 37'-0" L

ELEV. LOOKING EAST FROM OLD BASIN

TOP ELEV. = 896.0

AUGERING
MED. TO STIFF

WATER EL. = 887.5

BOT. EL. = 886.0

ENCOUNTERED COBBLES
AND BOULDERS.
BORING TERMINATED.

PROFILE - CORE BORING #9
NOT TO SCALE

CORE BORING #9

ROAD
EL. = 902.66 ±

REMOVE EXIST.
TANKS & EPN

EXISTING CHLORINE
CONTACT BASIN

NOTE 12
EMH 1

PRESENT PRIMARY
SETTLING BASINS

EXISTING ELECTRIC
PANEL ON SIDE OF BLDG.
CONNECT TO SPARE
40A, 3 PH. 480V BREAKER
AND EXTEND. SEE SPECS.

NOTE 12 - EMH 2

CHEMICAL FEED PIPE TO BE BURIED FROM PUMP
TO HERE (2") 2" CHEMICAL PIPE

EXIST. 1 1/2"

CONNECT TO EXISTING SEE 1/4" SCALE PLAN ALSO

PRESENT AERATION
BASINS

PRESENT FINAL
SETTLING BASINS

PARTIAL SITE PLAN
SCALE: 1" = 50'

NOTE: CHEMICAL PIPING SHOWN SHALL BE SCHEDULE
80 W.P. 470 PSI @ 73°F PVC 1120 ASTM D 1785

4" FILL PIPE. PROVIDE
PIPE ANCHORS AT NOT
OVER 10' O.C.

FRP SAFETY
CAGE ASSEMBLY

FRP LADDER

910 ONE HUNDRED
YEAR FLOOD

1/4" ALUMINUM HAND RAIL

STANDARD VDOT GUARDRAIL
& POST. SEE PLAN

902.59 ROADWAY

4" CHEMICAL PIPE
1" C SLEEVE UNDER STEPS

TYPICAL ANCHOR BOLT: 2-7/8"
X 18" G BEND-TEN (10) REQUIRED.
SEE TANK SHOP DRAWING FOR
RADIUS OF ANCHOR BOLTS.
USE A-325 STEEL.

GENERAL NOTE:
IT IS ASSUMED THAT TANK
EXCAVATION WILL EXTEND INTO
ROAD. REPAIR PAVING, CURB, ETC.
TO EXISTING CONDITION.
3" COMPACTED GRAVEL - 21-21A
4" BM 2
2" SM 2A

SECTION A-A
SCALE: 1/4" = 1'-0"

DOWELS:
PROVIDE AND INSTALL 20 DOWELS
PER TANK BASE, EQUALLY SPACED
AS SHOWN

RIVER LEVEL AT BRIDGE = 884.25'

CHEMICAL STORAGE TANKS @		L.B.C.
WATER POLLUTION CONTROL		
PLANT.		
1402 BENNINGTON STREET, SE		1-18-94
ROANOKE, VIRGINIA		19-94A
OFFICE OF CITY ENGINEER		1
CARDINAL UNIVERSITY ROOM 405		2
210 GORDON AVENUE, CANTON, OHIO 44705		