MATCH LINE AREA 'A'

MATCH LINE AREA 'B'

MATCH LINE AREA 'E'

MATCH LINE AREA 'F'

FIRST STAGE AERATION BASIN #4

FIRST STAGE CLARIFIER BASIN #5

BASIN #4

BASIN #5

BASIN #6

BASIN #7

BASIN #8

BASIN #9

BASIN #10

NITRIFICATION BASIN #1

NITRIFICATION BASIN #2

NITRIFICATION BASIN #3

NITRIFICATION BASIN #4

NITRIFICATION CLARIFIER BASIN #1

NITRIFICATION CLARIFIER BASIN #2

NITRIFICATION CLARIFIER BASIN #3

DIGESTER #1

DIGESTER #2

DIGESTER #3

NEW COVER, REFER TO SHEET M26 FOR ENLARGED PLAN AND DETAILS

DIGESTER #4

DIGESTER #5

NEW COVER, REFER TO SHEET M26 FOR ENLARGED PLAN AND DETAILS

DIGESTER #6

DIGESTER #7

DIGESTER #8

DISSOLVED AIR FLOTATION THICKENER BUILDING

MAINTENANCE BUILDING

REFER TO SHEET M29 FOR 10" WAS LINE TIE-IN PARTIAL PLAN FIRST STAGE CLARIFER

REFER TO SHEET M14 FOR 10" WAS LINE TIE-IN PARTIAL PLAN

NEW POLYMER STORAGE TANK AND FEED SYSTEM MODIFICATIONS, REFER TO SHEET M14 FOR DETAILS AND LAYOUT

NEW POLYMER FEED LINE 3" PVC TO NITRIFICATION BASIN EFFLUENT CHANNEL ROUTE LINE 3' BELOW GRADE

NITRIFICATION BASIN EFFLUENT CHANNEL

Conc. Walk

Gravel Drive

Asphalt Pavement

℄ ELEV 894.85

12" OUTFALL ℄ ELEV. 892.58

10" WASTE WATER TO THICKENER

18" DRAIN

18" RCP SD

10" COOLING

STEAM

8" WASTE COAGULATED SLUDGE

INV. 900.00

INV. 901.00

10" WAS ℄ 897.42

24" THICKENER EFF (℄ 896.00)

90" NITRIFICATION SETTLING BASIN EFF ℄ EL 893.25

6" T.S. ℄ EL 906.00±

6" THICKENED SLUDGE DISCH ℄ EL 900.50

8" WASTE COAGULATED SLUDGE ℄ EL 900.50

10" WAS

90" NITRIFICATION SETTLING BASIN EFF ℄ EL 893.25

8" SLUDGE DISCH & SUPERNATANT ℄ EL 888.25

12" 900.00

NEW 10" WAS ℄ EL. 898.59

90" NITRIF. BASIN INFL ℄ 892.58

10" COOLING ℄ ELEV. 902.50

6" DRAIN

18" INV. 883.25

6" INV. 886.50

℄ 887.00

10" WAS EL 898.59

20" RECYCLE ℄ EL 896.08

4" FLUSHING WATER ℄ EL 903.50

6" DRAIN ℄ 898.00

8" NITRIFICATION WASTE SLUDGE LINE ℄ EL 898.59

6" THICKENED SLUDGE ℄ EL 908.00

8" SLUDGE DISCH & SUPERNATANT

10" COOLING WATER ℄ 901.00±

24" THICKENER EFF. ℄ 900.50

E.P.

C.O.

UE

COMMONWEALTH OF VIRGINIA
STEWART W. HUBBELL
NO. 07420
PROFESSIONAL ENGINEER

Mattern & Craig, Inc.
CONSULTING ENGINEERS • SURVEYORS
701 FIRST STREET, S.W.
ROANOKE, VIRGINIA 24016
(540) 345-9840
(540) 345-7001 FAX

REVISIONS

NO.	BY	DATE	REMARKS
1	ARB	JAN. 2000	RECORD DRAWING

DES WTA
DWN LDL,ARB
CKD SWH

ROANOKE
VIRGINIA, CHARTERED 1882

CITY OF ROANOKE, VIRGINIA
WATER POLLUTION CONTROL PLANT UPGRADE AND EXPANSION

SITE PLAN
GRADING, STORM DRAINAGE, AND E&SC AREA 'D'
1"=20'

DATE MAY, 1997
G SHEET 13 OF 23
CAD REF. NO. G13.DWG

H:\MAPS\CDROM\G13.DWG FRI MAR 14 7:32:06 2000