City of Rexburg

STATE OF IDAHO

P.O. Box 280
12 North Center Street
Rexburg, Idaho 83440
Phone (208) 359-3020
Fax (208) 359-3022
e-mail rexburg@srv.net

March 6, 2001

RECEIVED
MAR - 8 2001
U.S. EPA REGION 10
OFFICE OF WATER

Kelly Huynh
U.S. Environmental Protection Agency
1200 6th Ave.
Mailstop OW-130
Seattle, WA. 98101

Re: City of Rexburg
Sludge Application Permit No. ID-002381-7

Dear Kelly:

Accompanying this letter is our application Form 2-S for biosolids disposal. Also included is a copy of the overall plant layout and a copy of our Sludge Management Plan.

Currently we are storing our biosolids and land applying the treated solids to agriculture land in the fall of the year. Due to a significant increase in biosolids production we are possibly needing to increase sludge storage capacity or to apply biosolids more than once per year.

I hope this information will allow you to begin the process for our biosolids permit. If you have questions or need further information please contact me during normal business hours at 1-208-359-3020 ext. 329 or at johnm@ci.rexburg.id.us.

John W. Millar P.E./L.S.

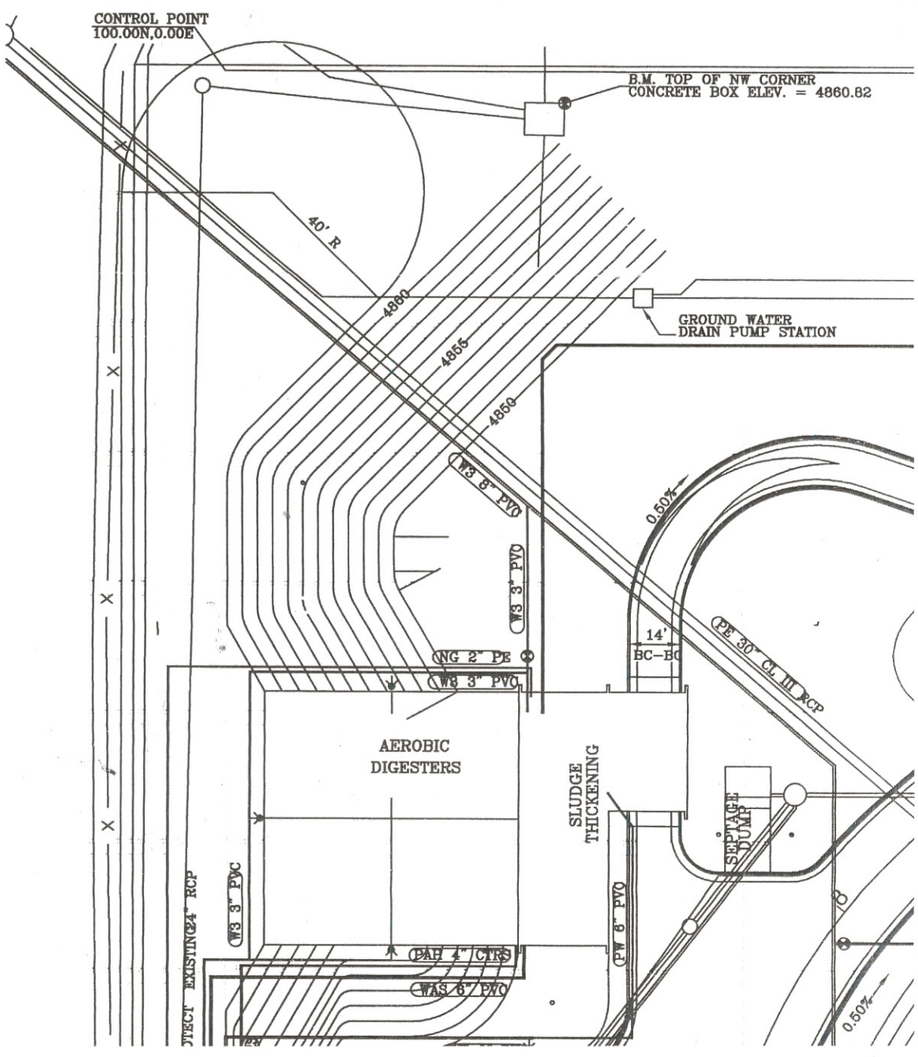
Public Facilities Coordinator
City of Rexburg

FLOW LEGEND

PE	PLANT EFFLUENT
SL	SLUDGE
SS	SECONDARY SCUM
CI	CLARIFIER INFLUENT
ODE	OXIDATION DITCH EFFLUENT
RAS	RETURN ACTIVATED SLUDGE
WAS	WASTE ACTIVATED SLUDGE
ODI	OXIDATION DITCH INFLUENT
PD	PLANT DRAIN
PR	PLANT RETURN
DR	MAIN LINE
PSD	PLANT SEWER DRAIN
PW	POTABLE WATER
PAL	PLANT AIR LOW PRESSURE
PAH	PLANT AIR HIGH PRESSURE
WS	PLANT WATER
NG	NATURAL GAS

MATERIAL LEGEND

PVC	POLYVINYL CHLORIDE
GI	GALVANIZED IRON
GL DI	GLASS LINED DUCTILE IRON
DI	DUCTILE IRON
RCP	REINFORCED CONCRETE PIPE
CTRS	COLD TAR WRAPPED STEEL
PE	POLYETHYLENE


CONTROL POINT
100.00N,0.00E
B.M. TOP OF NW CORNER
CONCRETE BOX ELEV. = 4860.82
40' R
4860
4855
4850
GROUND WATER
DRAIN PUMP STATION
W3 8" PVC
W3 3" PVC
0.50%
14'
BC-BC
PE 30" CL III RCP
NG 2" PE
W8 3" PVC
AEROBIC
DIGESTERS
SLUDGE
THICKENING
SEEPAGE
SUMP
W3 3" PVC
PW 8" PVC
PAH 4" CTRS
WAS 6" PVC
0.50%

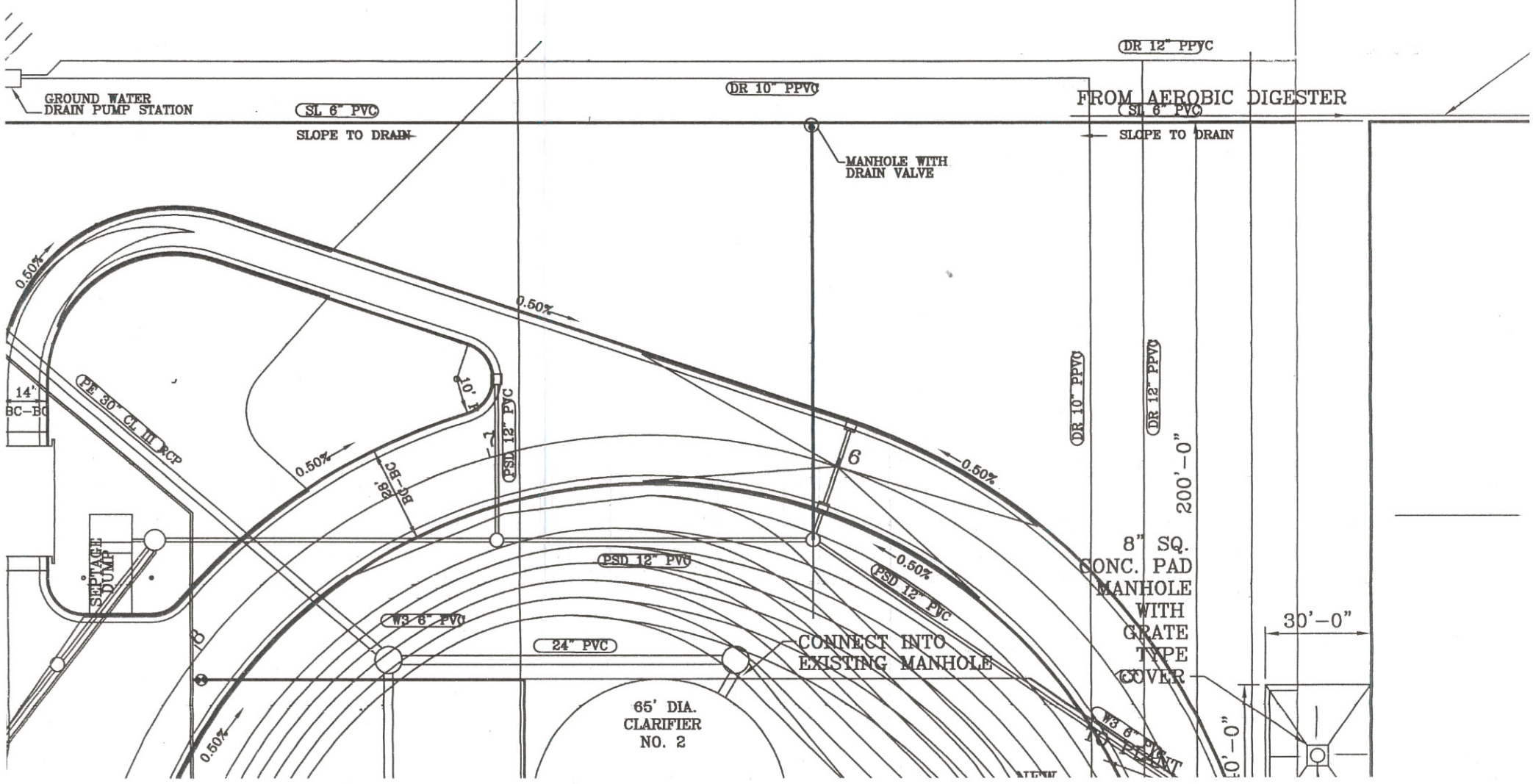
W3 PLANT WATER
NG NATURAL GAS

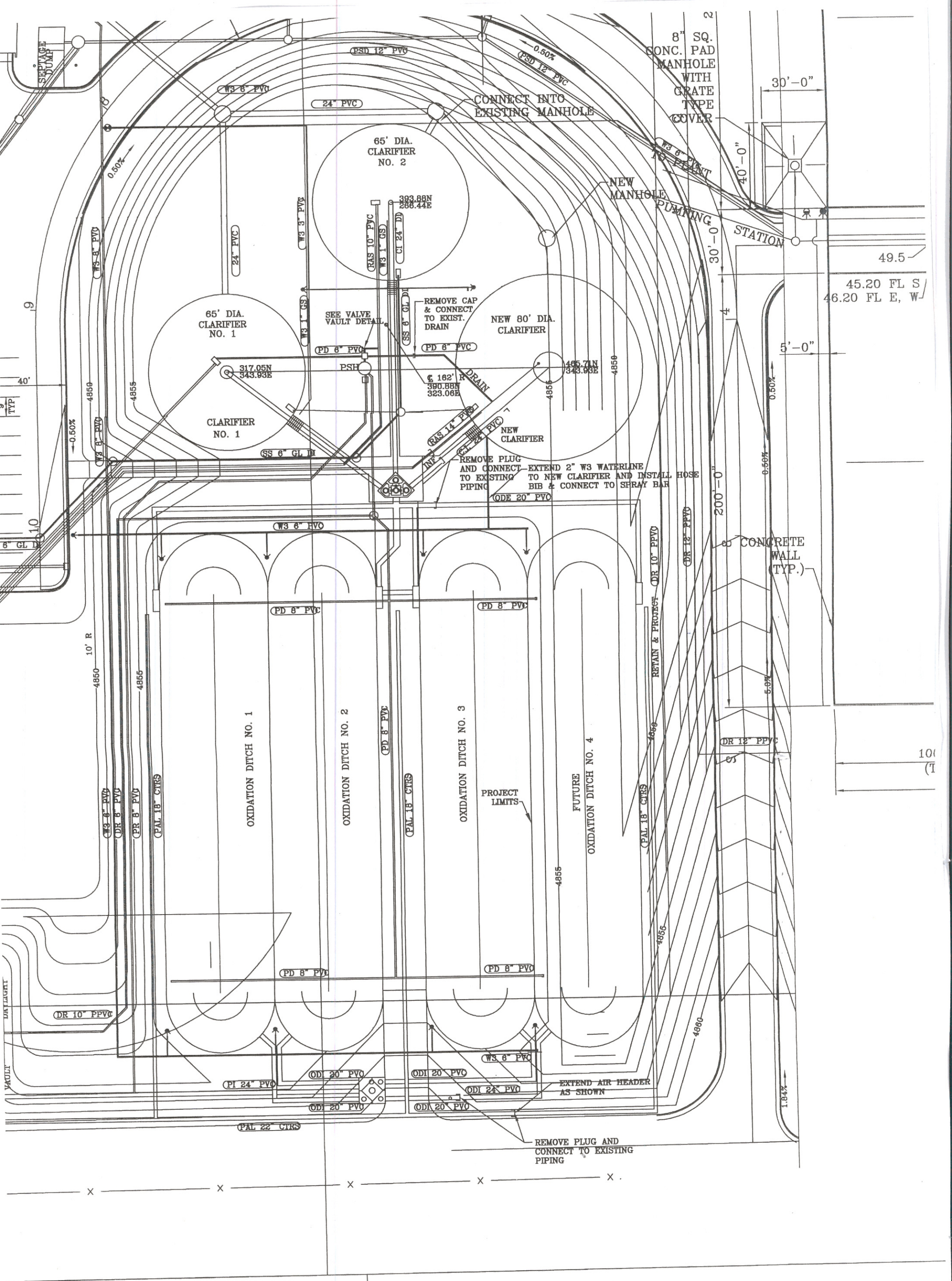
MATERIAL LEGEND

PVC POLYVINYL CHLORIDE
GI GALVANIZED IRON
GL DI GLASS LINED DUCTILE IRON
DI DUCTILE IRON
RCP REINFORCED CONCRETE PIPE
CTRS COLD TAR WRAPPED STEEL
PE POLYETHYLENE

.M. TOP OF NW CORNER
ONCRETE BOX ELEV. = 4860.82

BASE LINE PLANT NORTH




SEPTAGE DUMP
PSD 12" PVC
0.50%
W3 6" PVC
24" PVC
CONNECT INTO EXISTING MANHOLE
8" SQ. CONC. PAD MANHOLE WITH GRATE TYPE COVER
30'-0"
40'-0"
W3 6" PVC TO PLANT
NEW MANHOLE
PUMPING STATION
30'-0"
65' DIA. CLARIFIER NO. 2
393.88N 266.44E
RAS 10" PVC
W3 1" GS
CI 24" DI
W3 3" PVC
65' DIA. CLARIFIER NO. 1
W3 1" GS
SEE VALVE VAULT DETAIL
REMOVE CAP & CONNECT TO EXIST. DRAIN
SS 6" GL DI
NEW 80' DIA. CLARIFIER
PD 6" PVC
PSH
317.05N 343.93E
℄ 162' R 390.88N 323.06E
465.71N 343.93E
DRAIN
4850
4855
CLARIFIER NO. 1
RAS 14" PVC
CI 24" PVC
NEW CLARIFIER
SS 6" GL DI
INF
REMOVE PLUG AND CONNECT TO EXISTING PIPING
EXTEND 2" W3 WATERLINE TO NEW CLARIFIER AND INSTALL HOSE BIB & CONNECT TO SPRAY BAR
ODE 20" PVC
W3 6" PVC
200'-0"
CONCRETE WALL (TYP.)
DR 10" PPVC
DR 12" PPVC
RETAIN & PROTECT
PD 8" PVC
OXIDATION DITCH NO. 1
OXIDATION DITCH NO. 2
OXIDATION DITCH NO. 3
FUTURE OXIDATION DITCH NO. 4
PROJECT LIMITS
PAL 18" CTRS
W3 8" PVC
DR 8" PVC
PR 8" PVC
DR 12" PPVC
49.5
45.20 FL S
46.20 FL E, W
5'-0"
0.50%
5.07%
1.84%
10' R
4860
4880
DAYLIGHT
VAULT
PI 24" PVC
ODI 20" PVC
ODI 24" PVC
EXTEND AIR HEADER AS SHOWN
PAL 22" CTRS
REMOVE PLUG AND CONNECT TO EXISTING PIPING

FLOW LEGEND

PE	PLANT EFFLUENT
SL	SLUDGE
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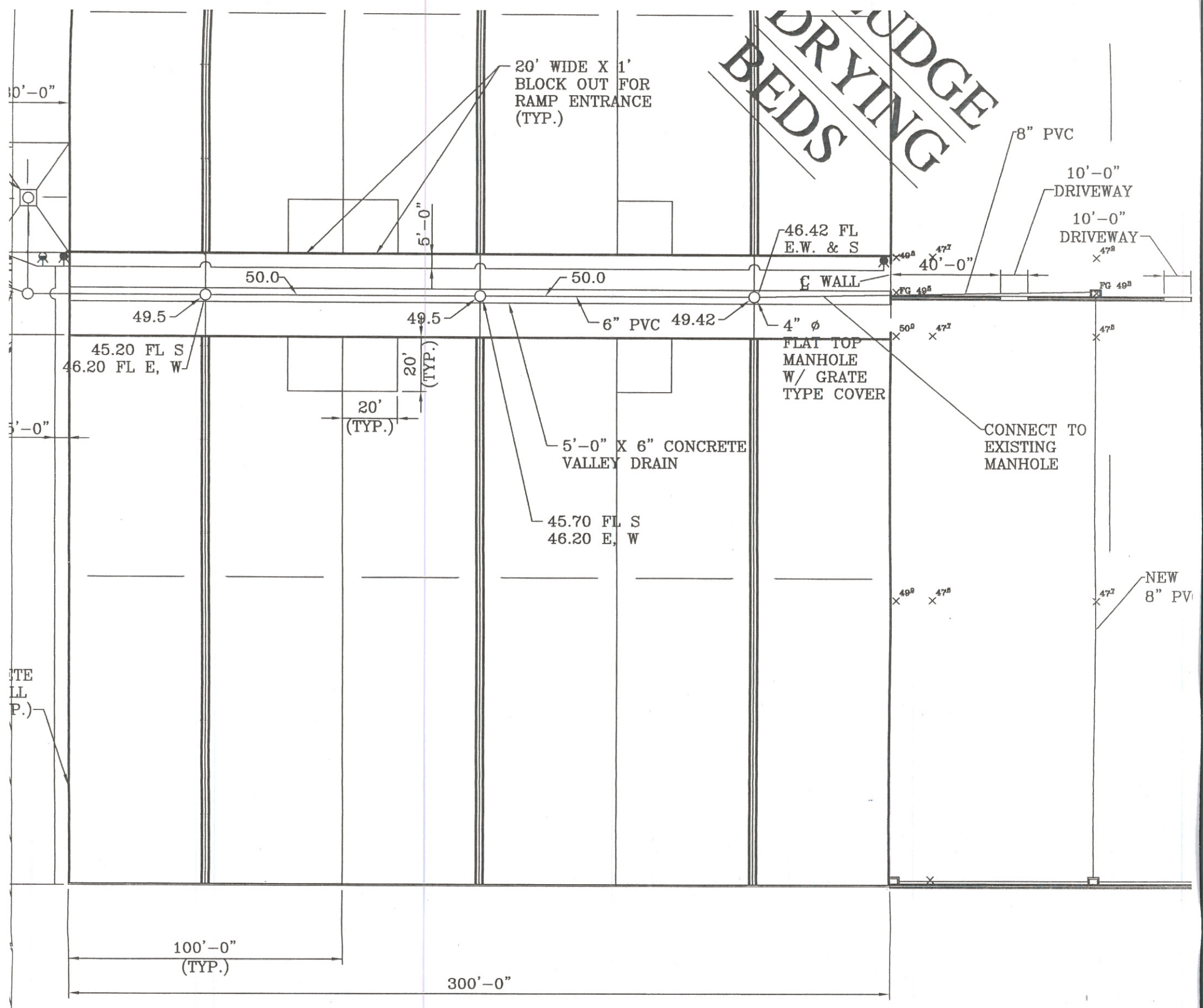
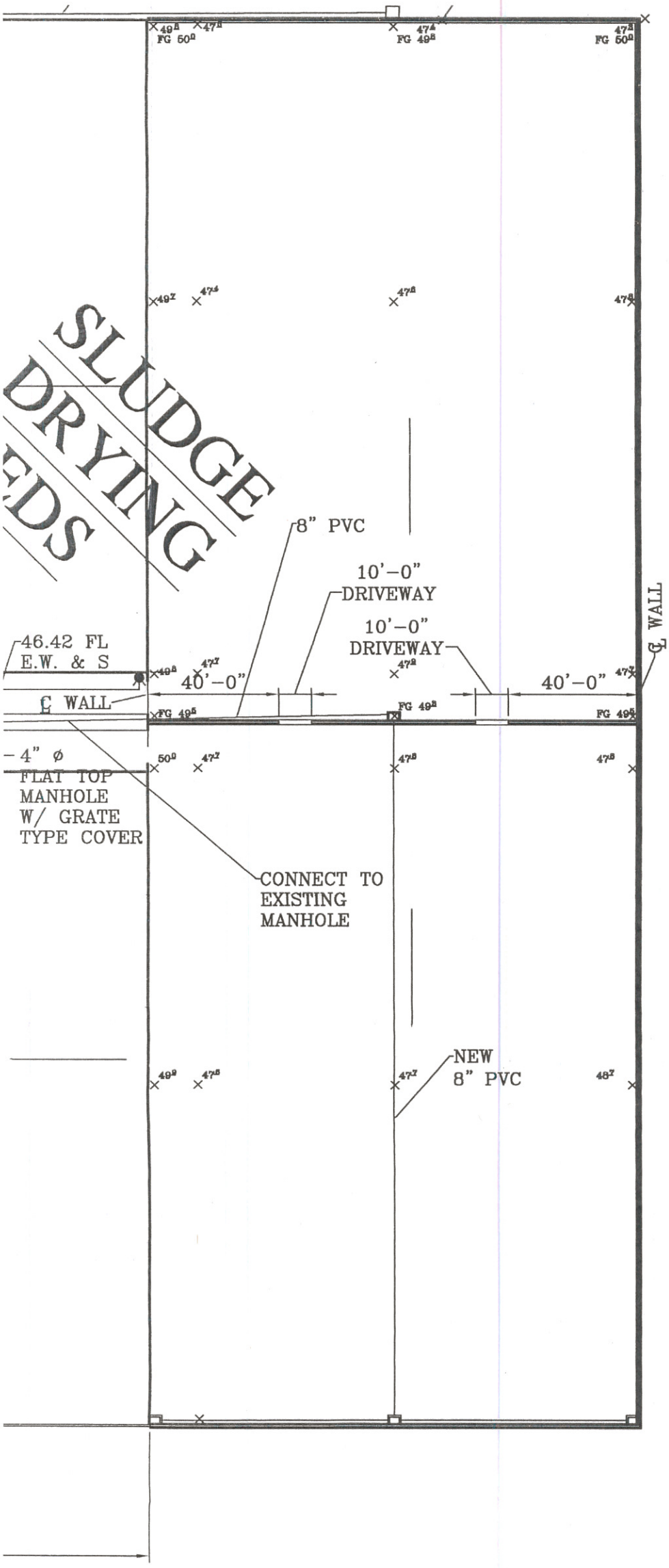

SLUDGE DRYING BEDS
20' WIDE X 1' BLOCK OUT FOR RAMP ENTRANCE (TYP.)
8" PVC
10'-0" DRIVEWAY
10'-0" DRIVEWAY
46.42 FL E.W. & S
40'-0"
℄ WALL
5'-0"
50.0
50.0
49.5
49.5
6" PVC
49.42
4" ø FLAT TOP MANHOLE W/ GRATE TYPE COVER
45.20 FL S
46.20 FL E, W
20' (TYP.)
20' (TYP.)
5'-0" X 6" CONCRETE VALLEY DRAIN
CONNECT TO EXISTING MANHOLE
45.70 FL S
46.20 E, W
NEW 8" PV
100'-0" (TYP.)
300'-0"

N
W
E
S

ALL
TOW 61.0
NEW
6" PVC
8" PVC
10'-0"
DRIVEWAY
SLUDGE
DRYING
EDS


SLUDGE
DRYING
EDS
8" PVC
10'-0"
DRIVEWAY
10'-0"
DRIVEWAY
46.42 FL
E.W. & S
40'-0"
40'-0"
℄ WALL
℄ WALL
- 4" Ø
FLAT TOP
MANHOLE
W/ GRATE
TYPE COVER
CONNECT TO
EXISTING
MANHOLE
NEW
8" PVC