

1. CONTRACTOR SHALL MODIFY STORMWATER MANAGEMENT BASIN AS DEPICTED ON THIS SHEET AS A TEMPORARY SEDIMENT BASIN UNTIL CONSTRUCTION IS COMPLETED AND UPLAND AREAS ARE STABILIZED. 2. FAIRCLOTH SKIMMER SHALL BE INSTALLED AND MAINTAINED WHILE SITE IS UNDER CONSTRUCTION.

3. SEDIMENT BUILD UP SHALL BE REMOVED ONCE THE SEDIMENT REACHES

ELEVATION 1062.00 IN THE SEDIMENT BASIN. 4. ESTABLISH VEGETATIVE COVER AND FERTILIZE AS NECESSARY TO

MAINTAIN A VIGOROUS COVER IN AND AROUND THE SEDIMENT BASIN. 5. REMOVE UNDESIRABLE VEGETATION PERIODICALLY TO PREVENT GROWTH

OF TREES AND SHRUBS ON THE EMBANKMENT AND SPILLWAY AREAS. 6. PROMPTLY REPAIR ERODED AREAS. REESTABLISH VEGETATIVE COVER IMMEDIATELY WHERE SCOUR EROSION HAS REMOVED ESTABLISHED SEEDING. 7. PROMPTLY REMOVE ANY BURROWING RODENTS THAT MAY INVADE AREAS

OF THE EMBANKMENT. 8. REMOVE TRASH AND DEBRIS THAT MAY BLOCK SPILLWAYS AND ACCUMULATE IN THE POND.

9. REMOVE SEDIMENT FROM BASIN WHEN IT FILLS TO THE DESIGN DEPTH OF THE SEDIMENT STORAGE ZONE. THIS ELEVATION SHALL BE MARKED ON A CLEANOUT STAKE NEAR THE CENTER OF THE BASIN. 10. CHECK SPILLWAY OUTLETS AND POINTS OF INFLOW TO ENSURE DRAINAGE IS NOT CAUSING EROSION AND THAT OUTLETS ARE NOT CLOGGED. REPLACE DISPLACED RIP-RAP IMMEDIATELY.

## SEDIMENT BASIN COMMENTS

1. SEDIMENT BASIN AND SKIMMER DESIGN IS BASED ON THE FAIRCLOTH BRAND SKIMMER. IF ALTERNATE SKIMMER IS CHOSEN, CONTRACTOR SHALL RE-SUBMIT DESIGN CALCULATIONS FOR APPROVAL, STAMPED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER.

2. SKIMMER SHALL BE MAINTAINED WHILE SITE IS UNDER CONSTRUCTION. 3. SEDIMENT BUILD UP SHALL BE REMOVED ONCE THE SEDIMENT REACHES ELEVATION 1062.00 IN THE SEDIMENT BASIN.

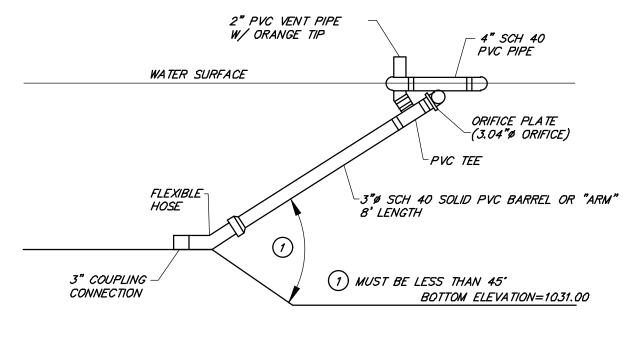
WEIGHT MAY HAVE TO BE ADDED TO INLET TO COUNTER THE INCREASED BUOYANCY.

2. INLET TAPERS DOWN FROM 4" MAXIMUM INLET TO A 3" BARREL AND HOSE. BARREL IS SMALLER TO REDUCE BUOYANCY AND TENDENCY TO LIFT INLET BUT IS SUFFICIENT FOR FLOW THROUGH INLET BECAUSE OF SLOPE. THE INLET ORIFICE CAN BE REDUCED USING THE PLUG AND CUTTER PROVIDED TO CONTROL THE OUTFLOW RATE.

3. INLET IS 8" PIPE BETWEEN THE STRAPS WITH ALUMINUM SCREEN DOOR FOR ACCESS TO THE 4" INLET AND ORIFICE INSIDE.

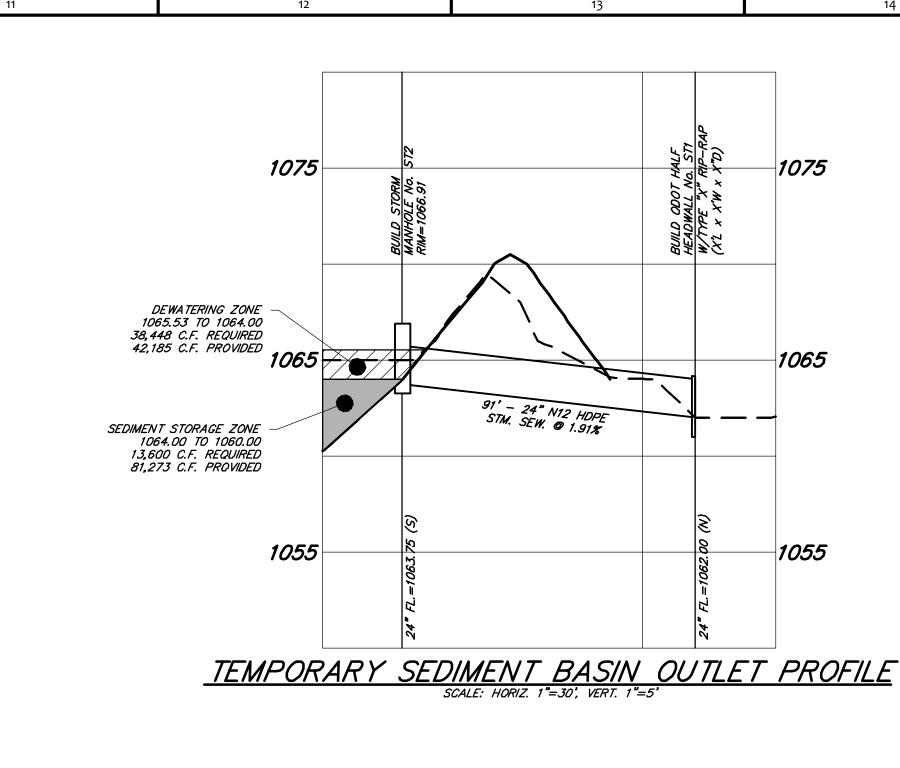
4. CAPACITY 20,109 CUBIC FEET PER DAY MAXIMUM WITH 4" INLET AND 4" HEAD. INLET CAN BE REDUCED BY INSTALLING A SMALLER ORIFICE USING THE PLUG AND CUTTER PROVIDED TO ADJUST FLOW RATE FOR THE PARTICULAR BASIN VOLUME AND DRAWDOWN TIME REQUIRED.

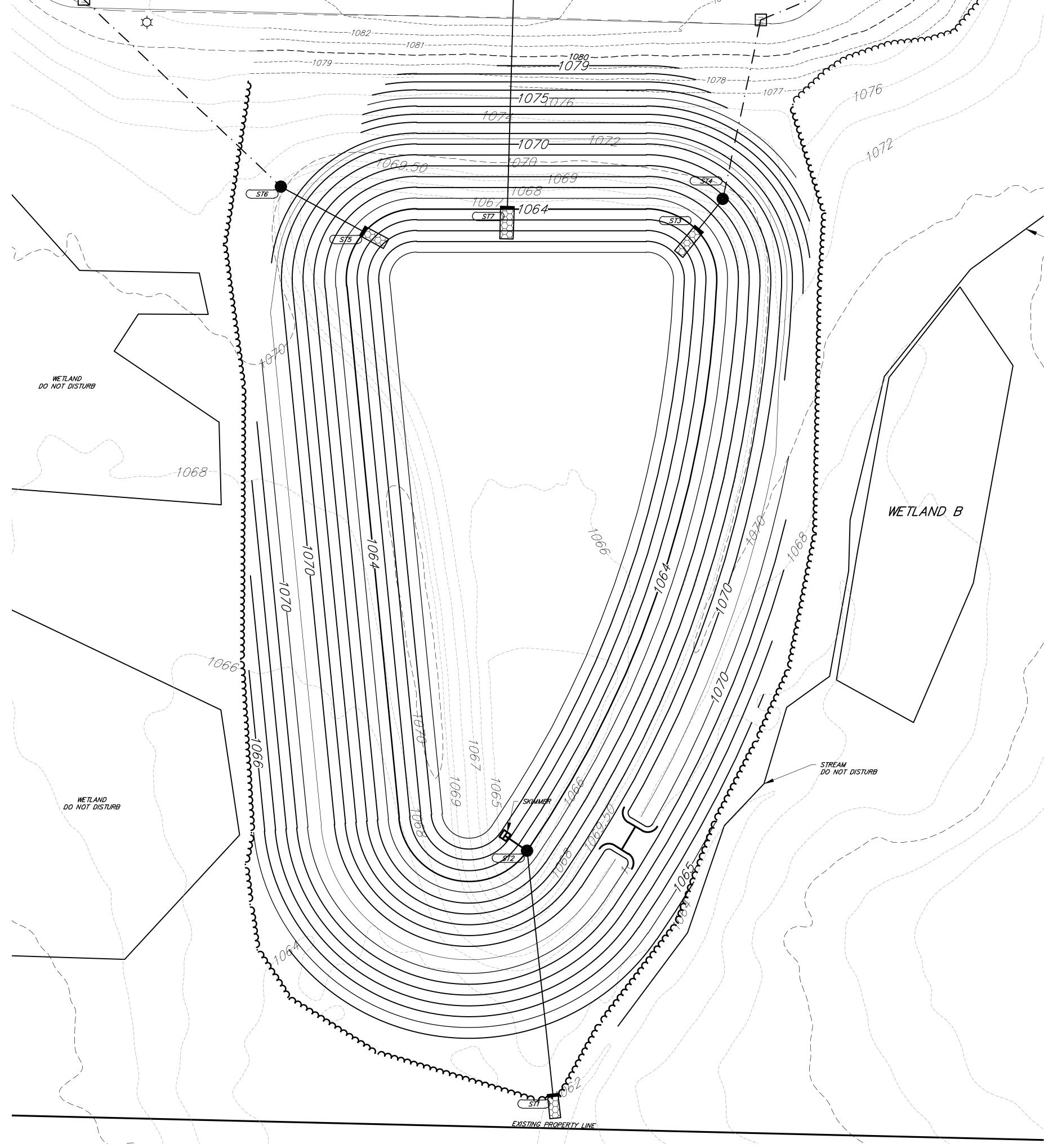
## A 3.91 ORIFICE IS REQUIRED FOR THIS PROJECT.



SEDIMENT BASIN SKIMMER DETAIL SCALE: N.T.S.

DEWATERING NOTES:
CONTRACTOR MUST USE GEOTEXTILE DEWATERING
BAGS TO FILTER OUT SEDIMENT DURING
DEWATERING ACTIVITIES. DIRECT DISCHARGE OF
SEDIMENT LADEN WATERS TO STORM SEWERS WILL
NOT BE PERMITTED.





TEMPORARY SEDIMENT BASIN PLAN

DRAWN BY CHECKED BY TEMPORARY SEDIMENT BASIN EX. SAN. M.H. C

The "Basis of Bearings" for this survey is **Grid North** of the Ohio State Plane Coordinate System, BENCHMARK #2: EX. SAN. M.G. J NAD83(2011), North Zone as established by GPS Observations. RIM = 1081.83 GRAPHIC SCALE SCALE: 1" = 20' ( IN FEET )

1 inch = 20 ft.

SHEET NO

2203-1

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– PLAN PREPARED BY – LEWIS LAND PROFESSIONALS INC.

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