

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.

SEDIMENT BASIN COMMENTS

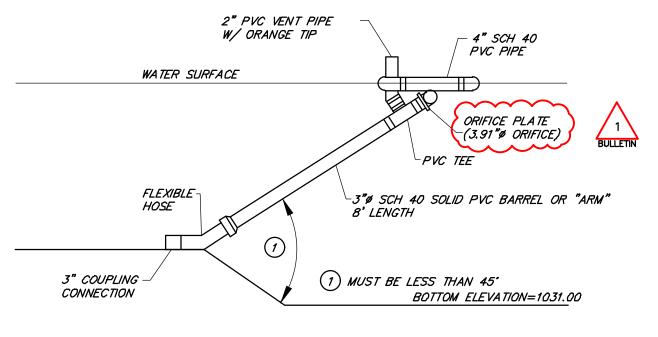
REPLACE DISPLACED RIP-RAP IMMEDIATELY.

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.

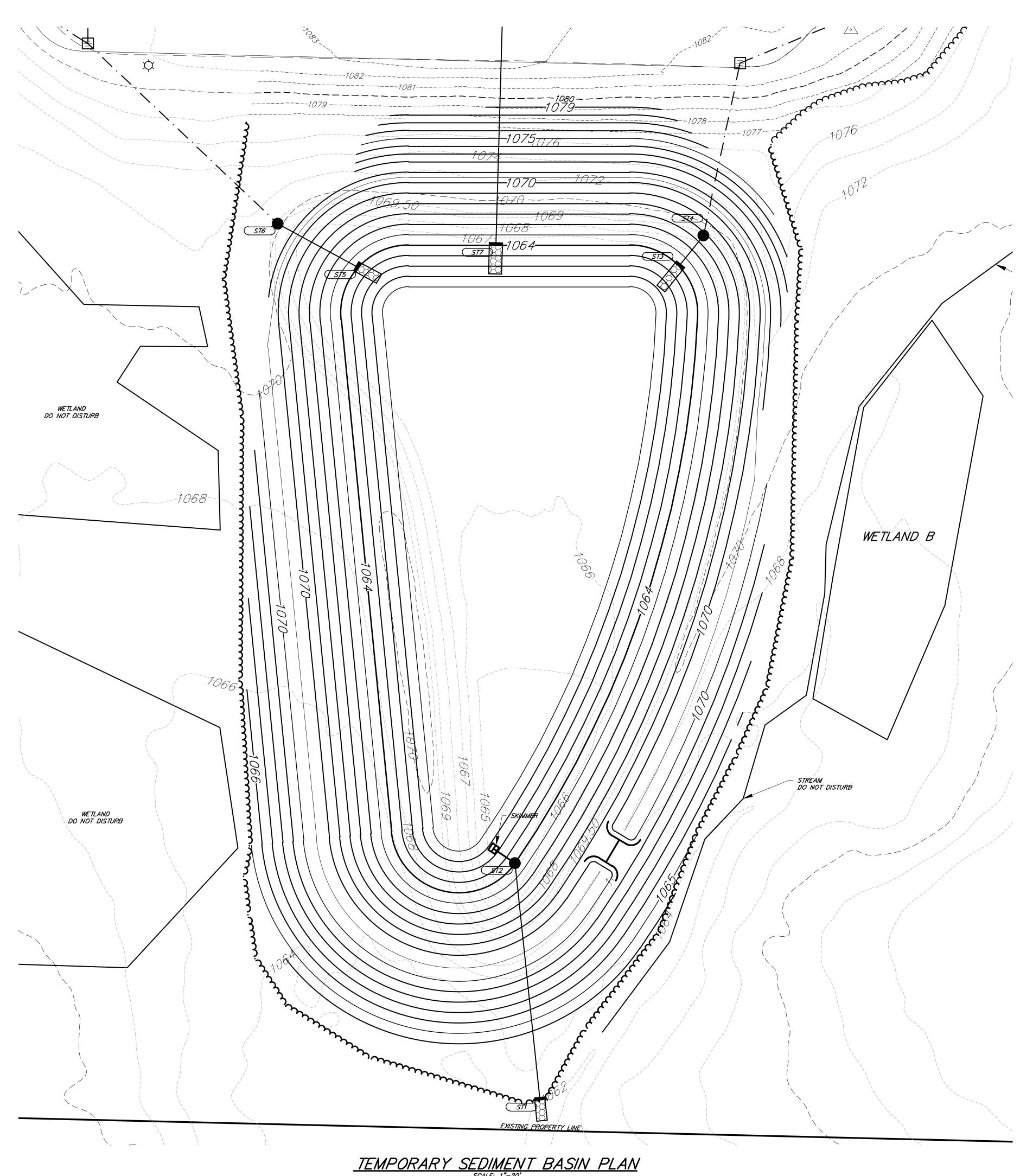
4. CAPACITY 20,109 CUBIC FEET PER DAY MAXIMUM WITH 4" INLET AND 4" HEAD. INLET CAN BE REDUCED BY INSTALLING A SMALLER ORIFICE USING THE PLUG AND CUTTER PROVIDED TO ADJUST FLOW RATE FOR THE PARTICULAR BASIN VOLUME AND DRAWDOWN TIME REQUIRED.

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.



DEWATERING ZONE 1065.53 TO 1064.00 38,448 C.F. REQUIRED 42,185 C.F. PROVIDED

SEDIMENT STORAGE ZONE 1064.00 TO 1060.00 13,600 C.F. REQUIRED 81,273 C.F. PROVIDED

91' - 24" N12 HDPE STM. SEW. @ 1.91%

TEMPORARY SEDIMENT BASIN OUTLET PROFILE

SCALE: HORIZ. 1"=30', VERT. 1"=5'

The "Basis of Bearings" for this survey is **Grid North** of the Ohio State Plane Coordinate System,

NAD83(2011), North Zone as established by GPS Observations. EX. SAN. M.H. C

BENCHMARK #2: EX. SAN. M.G. J

GRAPHIC SCALE

(IN FEET) 1 inch = 20 ft.

RIM = 1081.83

2203-1

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DRAWN BY

CHECKED BY

SCALE: 1" = 20'

TEMPORARY

SEDIMENT BASIN

SHEET NO

– PLAN PREPARED BY – LEWIS LAND PROFESSIONALS INC.

CIVIL ENGINEERING LAND SURVEYING

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