

SEDIMENT BASIN NOTES: THE PROPOSED STORMWATER MANAGEMENT BASIN SHALL BE USED AS A SEDIMENT BASIN DURING CONSTRUCTION. DURING ITS USE AS A SEDIMENT BASIN THE FOLLOWING OPERATION AND MAINTENANCE SHALL BE ADHERED

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 1033.00 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.

SCALE: N.T.S. 2. SKIMMER SHALL BE MAINTAINED WHILE SITE IS UNDER CONSTRUCTION. 3. SEDIMENT BUILD UP SHALL BE REMOVED ONCE THE SEDIMENT REACHES ELEVATION 1033.00 IN THE SEDIMENT BASIN.

4" FAIRCLOTH SKIMMER NOTES

1. BARREL (SOLID, NOT FOAM CORE PIPE) SHOULD BE 1.4 TIMES THE DEPTH OF THE WATER WITH A MINIMUM LENGTH OF 8' SO THE INLET CAN BE PULLED TO THE SIDE FOR MAINTENANCE. IF MORE THAN 10' LONG 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.

2" PVC VENT PIPE W/ ORANGE TIP WATER SURFACE ORIFICE PLATE
(3.04"ø ORIFICE)

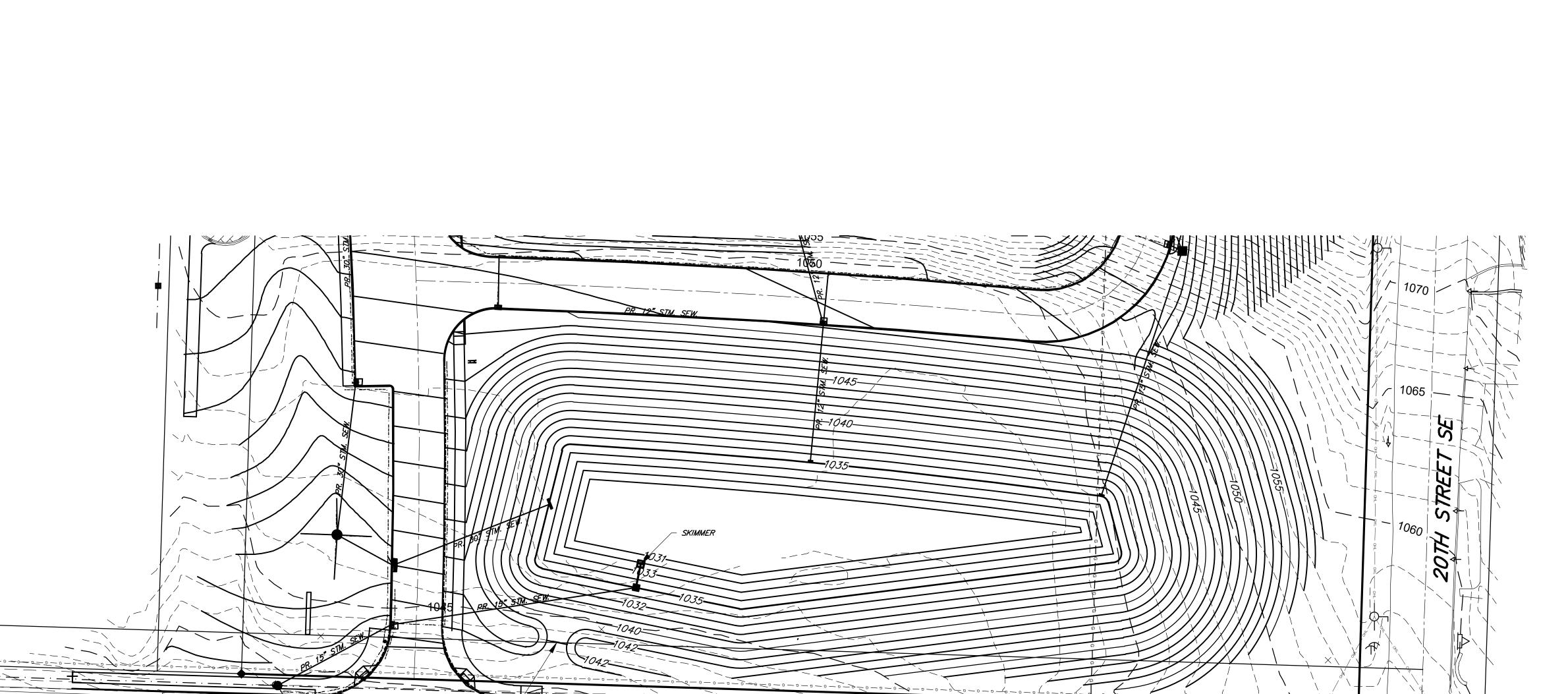
A 3.04 ORIFICE IS REQUIRED FOR THIS PROJECT.

FLEXIBLE -HOSE

3" COUPLING — CONNECTION 1) MUST BE LESS THAN 45° BOTTOM ELEVATION=1031.00 SEDIMENT BASIN SKIMMER DETAIL

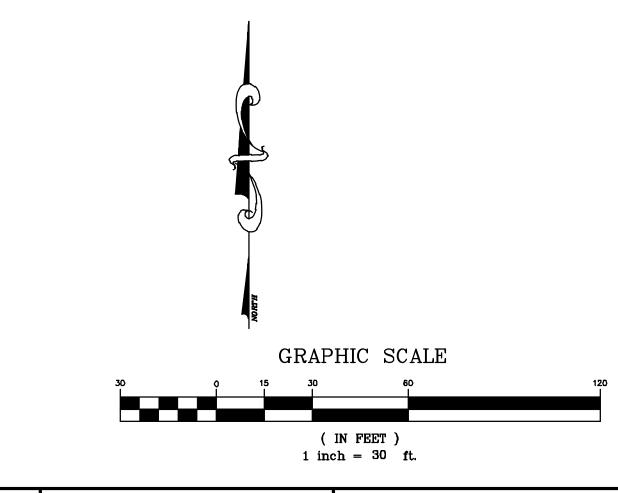
DEWATERING NOTES:
CONTRACTOR MUST USE GEOTEXTILE DEWATERING
BAGS TO FILTER OUT SEDIMENT DURING
DEWATERING ACTIVITIES. DIRECT DISCHARGE OF
SEDIMENT LADEN WATERS TO STORM SEWERS WILL
NOT BE PERMITTED.

3"ø SCH 40 SOLID PVC BARREL OR "ARM"



TEMPORARY SEDIMENT BASIN PLAN

EMERGENCY OVERFLOW WEIR



DEWATERING ZONE 1035.00 TO 1037.00 23,292 C.F. REQUIRED 35,827 C.F. PROVIDED

118' - 15" N12 HDPE STM. SFW. @ -0.67%

PR. 8" WATER LINE

TEMPORARY SEDIMENT BASIN OUTLET PROFILE

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

HARSH AVE SE

61' — 15" N12 HDPE STM. SFW. @ -0.72%

- SEDIMENT STORAGE ZONE 1031.00 TO 1035.00 12,940 C.F. REQUIRED 42,408 C.F. PROVIDED

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DRAWN BY CHECKED BY

TEMPORARY SEDIMENT BASIN

SCALE: 1" = 40' SHEET NO C-700

– PLAN PREPARED BY – LEWIS LAND PROFESSIONALS INC.

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PROFESSIONALS

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