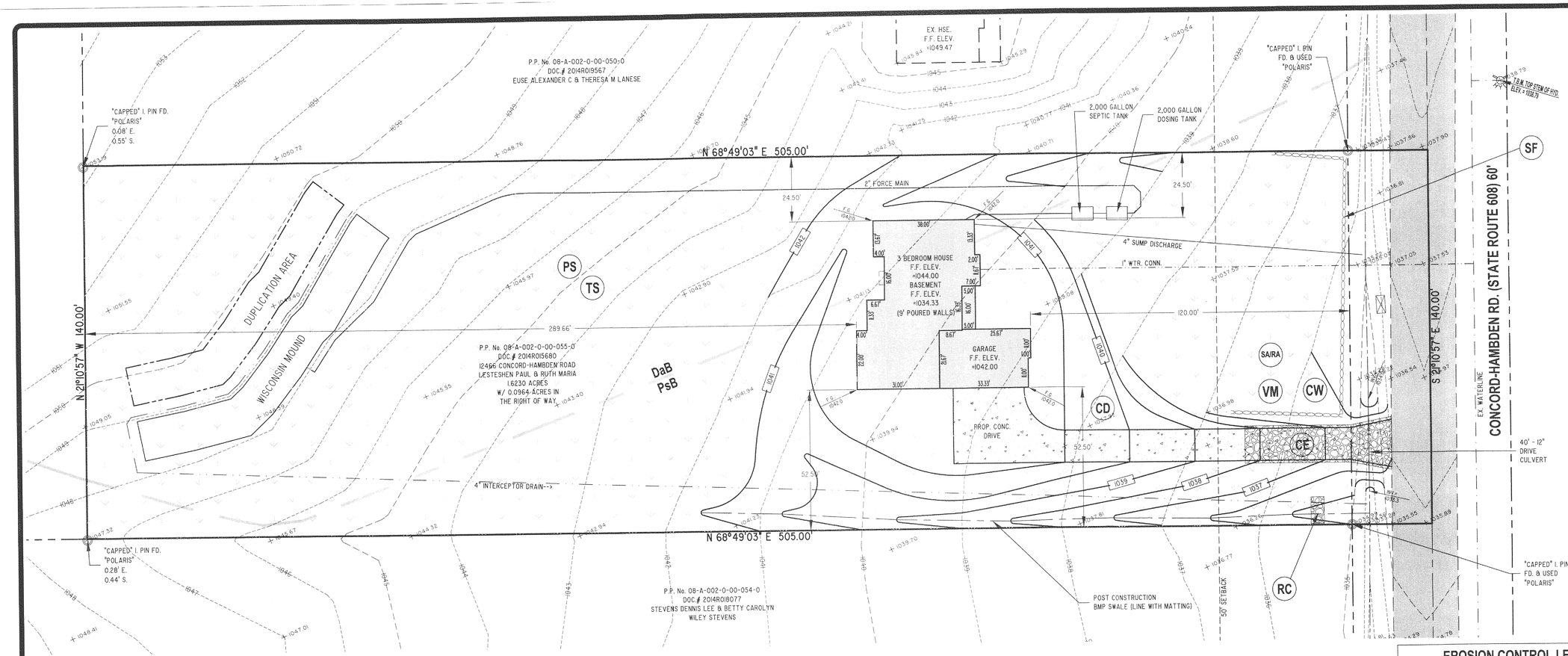

REVISIONS	BY
REVISED SWALE MAR. 4, 2015	WSO

Barrington
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9114 TYLER BLVD., MENTOR, OHIO 44060
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SWP3 PLAN

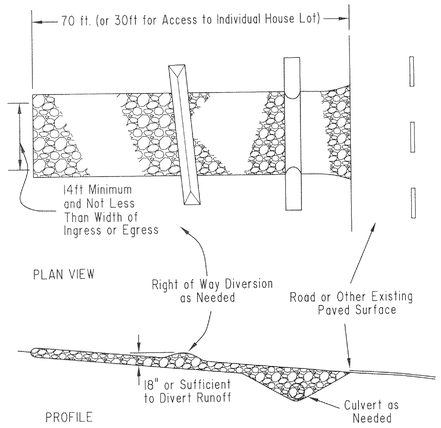
12466 CONCORD-HAMBDEN ROAD
CONCORD TWP., OHIO 44077

EROSION CONTROL LEGEND

- (VM) VEHICLE MAINTENANCE & REFUELING AREA
- (TS) TEMPORARY SEEDING
- (CW) CONCRETE WASHOUT
- (PS) PERMANENT SEEDING
- (SF) SILT FENCE
- (CD) COVERED DUMPSTER
- (CE) CONSTRUCTION ENTRANCE
- (RC) ROCK CHECK DAM
- (SA/RA) STAGGING AREA & AREA FOR RECYLING OF USED OR UNUSED HAZARDOUS MATERIAL AND AREA FOR MIXING AND STORAGE OF COMPOUNDS
- SOIL TYPE BOUNDARY

DRAWN	WSO
CHECKED	LKS
DATE	MAR. 2, 2015
SCALE	1" = 20'
JOB NO.	13093-006
SHEET	1/3
OF	SHEETS

Specifications for Construction Entrance



1. Stone Size-ODOT #2 (1.5-2.5 inch) stone shall be used, or recycled concrete equivalent.

2. Length-The Construction Entrance shall be as long as required to stabilize high traffic areas but not less than 70 ft. (exception: apply 30 ft. minimum to single residence lots).

3. Thickness-The stone layer shall be at least 6 inches thick for light duty entrances or at least 10 inches for heavy duty use.

4. Width-The entrance shall be at least 14 feet wide, but not less than the full width at points where ingress or egress occurs.

5. Geotextile-A geotextile shall be laid over the entire area prior to placing stone. It shall be composed of strong rot-proof polymeric fibers and meet the following specifications:

Figure 7.4.1

Geotextile Specification for Construction Entrance	
Minimum Tensile Strength	200 lbs.
Minimum Puncture Strength	80 psi.
Minimum Tear Strength	50 lbs.
Minimum Burst Strength	320 psi.
Minimum Elongation	20%
Equivalent Opening Size	EOS < 0.6 mm
Minimum Permittivity	1 x 10^{-3}cm/sec.

6. Timing-The construction entrance shall be installed as soon as practical before major grading activities.

7. Culvert-A pipe or culvert shall be constructed under the entrance if needed to prevent surface water from flowing across the entrance or to prevent runoff from being directed out onto paved surfaces.

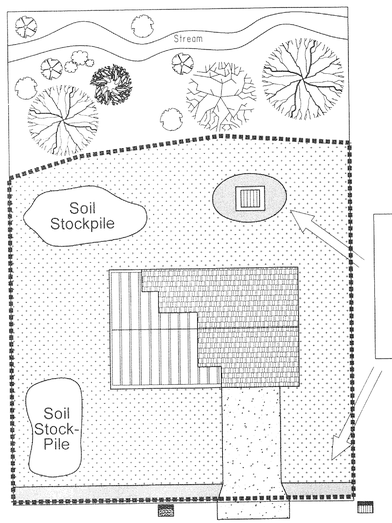
8. Water Bar-A water bar shall be constructed as part of the construction entrance if needed to prevent surface runoff from flowing the length of the construction entrance and out onto paved surfaces.

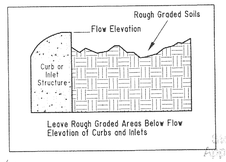
9. Maintenance-Top dressing of additional stone shall be applied as conditions demand. Mud spilled, dropped, washed or tracked onto public roads, or any other surface where runoff is not checked by sediment controls, shall be removed immediately. Removal shall be accomplished by scraping or sweeping.

10. Construction entrances shall not be relied upon to remove mud from vehicles and prevent off-site tracking. Vehicles that enter and leave the construction-site shall be restricted from muddy areas.

11. Removal-the entrance shall remain in place until the disturbed area is stabilized or replaced with a permanent roadway or entrance.

Small Construction Site Controls





PLAN VIEW

- Temporary seeding and/or mulch applied to rough graded areas
- Construction Entrance gravel
- Rough grade areas to allow settling below grade elevation
- Storm Drain w/inlet protection
- Storm Drain without inlet protection
- Yard Drain w/inlet protection
- Silt Fence
- Curb

Stormwater Management Plan
Approved as shown and/or noted
JAMES R. GILLS, P.E.
County Drainage Engineer
By: GH Date: 3/5/15

Small Construction Site Controls

1. Preexisting vegetation shall be retained on idle portions of the building lot for as long as construction operations allow. Clearing shall be done so only active work areas are bare.
2. Temporary seed and/or mulch shall be applied to areas, such as stockpiles and rough graded areas, that are bare and not actively being worked. This shall apply to areas that will not be reworked for 21 days or more.
3. Stockpiles created from basement excavation and grading shall be situated away from streets, swales, or other waterways and shall be seeded and/or mulched immediately.
4. Silt fence or their sediment barriers shall control sheet flow runoff from the building lot. These shall not be constructed in channels or areas of concentrated flow. Other sediment controls such as sediment traps and inlet protection shall also be used as needed to control sediment runoff. Sediment control practices shall be inspected weekly after storm events, and maintained in good working condition.
5. Construction vehicle access shall be limited to one route, to the greatest extent practical. The access shall be gravel or crushed rock underlain with geotextile.
6. Mud tracked onto streets or sediment settled around curb inlet protection shall be removed daily or as needed to prevent it from accumulating. It shall be removed by shoveling and scraping and it shall NOT be washed off paved surfaces or into storm drains. Sediment removed shall be placed where it will not be subject to erosion or concentrated runoff.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)
1 inch = 20 ft.

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION. THE INFORMATION IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

STATE OF OHIO
LAURA K. SCHWICKERATH
E-71389
REGISTERED
PROFESSIONAL ENGINEER

LAURA K. SCHWICKERATH, P.E. No. 71389 — 3/5/2015 DATE

13093-006

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