

## REFERENCE

1. EXISTING CONDITIONS COMPILED FROM:
  - 1.1. TOPOGRAPHY BY H&B SURVEYING AND MAPPING LLC, DATED SEPTEMBER 25, 2024.
  - 1.2. TOPOGRAPHY BY USGS DATABASE AND DOWNLOADED FROM VGIN (VIRGINIA GEOGRAPHIC INFORMATION NETWORK), DATED 2017.
  - 1.3. EXISTING FEATURES WITHIN THE PROJECT AREA BY H&B SURVEYING AND MAPPING LLC, DATED SEPTEMBER 25, 2024.
  - 1.4. EXISTING FEATURES OUTSIDE OF THE PROJECT AREA WAS COMPILED BY GEOSYNTEC (UNKNOWN DATE).
  - 1.5. INITIAL WETLAND DELINEATION AND IDENTIFICATION WAS PERFORMED BY GEOSYNTEC IN FEBRUARY 2024, THEN CONFIRMED WITHIN THE PROJECT AREA BY SCHNABEL WITH SITE VISIT IN AUGUST 2024 AND FEBRUARY 2025.

## NOTES

1. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL POTENTIAL OBSTRUCTIONS, EXISTING STRUCTURES, UTILITIES, AND ABANDONED ANY INFRASTRUCTURE THAT MAY CONFLICT WITH THIS PROPOSED PLAN. OWNER AND ENGINEER SHALL BE IMMEDIATELY NOTIFIED OF ANY SUCH OBSTRUCTIONS OR EXISTING SITE FEATURES PRIOR TO THE START OF CONSTRUCTION.

**ISSUED  
FOR BID  
ONLY**



SKIPPERS BIOSOLIDS  
COMPOSTING FACILITY  
SKIPPERS, VIRGINIA

EXISTING CONDITIONS AND PHASE 1  
EROSION & SEDIMENT CONTROL PLAN  
(INDEX SHEET)

PREPARED FOR:

**SYNAGRO®**

PROJECT: 24560007.090

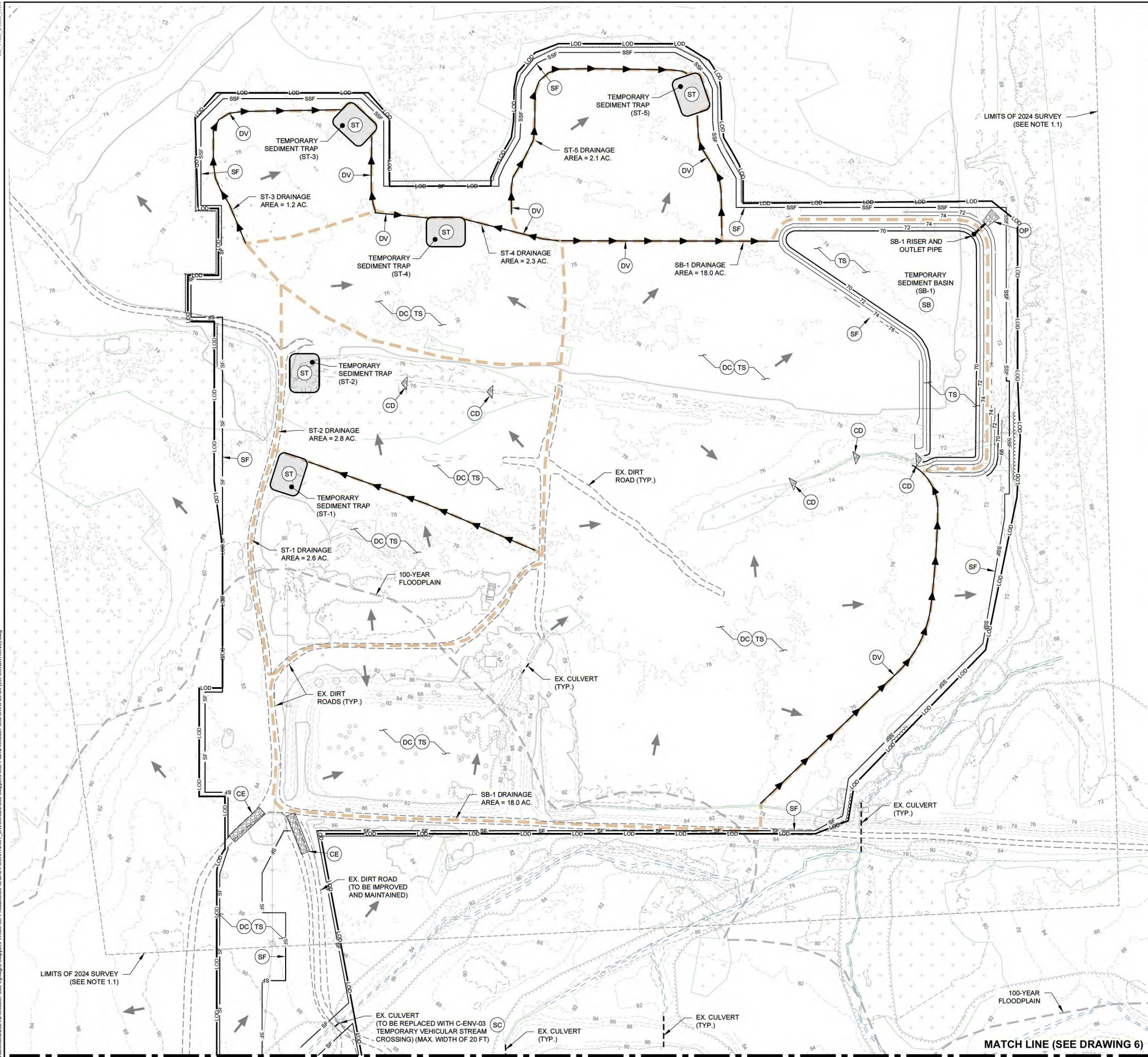
DATE: 04/25/25

DRAWING  
4

SHEET  
4 OF 40



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SYNAGRO  
Skipper's Biosolids Composting Facility  
Site Plan 2456007.dwg  
DWG 05-06 (EX. CONDITIONS)  
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LEGEND

- PROPERTY BOUNDARY
- EX. TOPOGRAPHIC CONTOURS (2' INTERVALS)
- PROP. TOPOGRAPHIC CONTOURS (2' INTERVALS)
- EX. DIRT ROAD
- EX. TREELINE
- EX. BRUSHLINE
- EX. WETLAND
- EX. STREAM
- EX. CULVERT / STORMWATER PIPE
- EX. STORMWATER RUNOFF FLOW DIRECTION
- PROP. LIMITS OF DISTURBANCE
- PROP. TREELINE
- PROP. SILT FENCE (C-PCM-04)
- PROP. SUPER SILT FENCE (C-PCM-04)
- PROP. CONSTRUCTION ENTRANCE (C-SCM-03)
- PROP. ROCK CHECK DAM (C-SCM-07)
- PROP. RIPRAP OUTLET PROTECTION (C-ECM-15)
- PROP. TEMPORARY DIVERSION (C-ECM-05)
- PROP. TEMPORARY SEDIMENT BASIN (C-SCM-12)
- PROP. TEMPORARY SEDIMENT TRAP (C-ECM-04)
- PROP. TEMPORARY SEEDING (C-SSM-09)
- PROP. DUST CONTROL (C-SCM-01)
- PROP. DRAINAGE AREA BOUNDARY

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ISSUED FOR BID ONLY

Schnabel ENGINEERING

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central@sch-nabel.com

PREPARED FOR:

SKIPPER'S BIOSOLIDS COMPOSTING FACILITY  
SKIPPER'S, VIRGINIA

EXISTING CONDITIONS AND PHASE 1  
EROSION & SEDIMENT CONTROL PLAN  
(1 of 2)

PROJECT: 24560007.090

DATE: 04/25/25

DRAWING 5

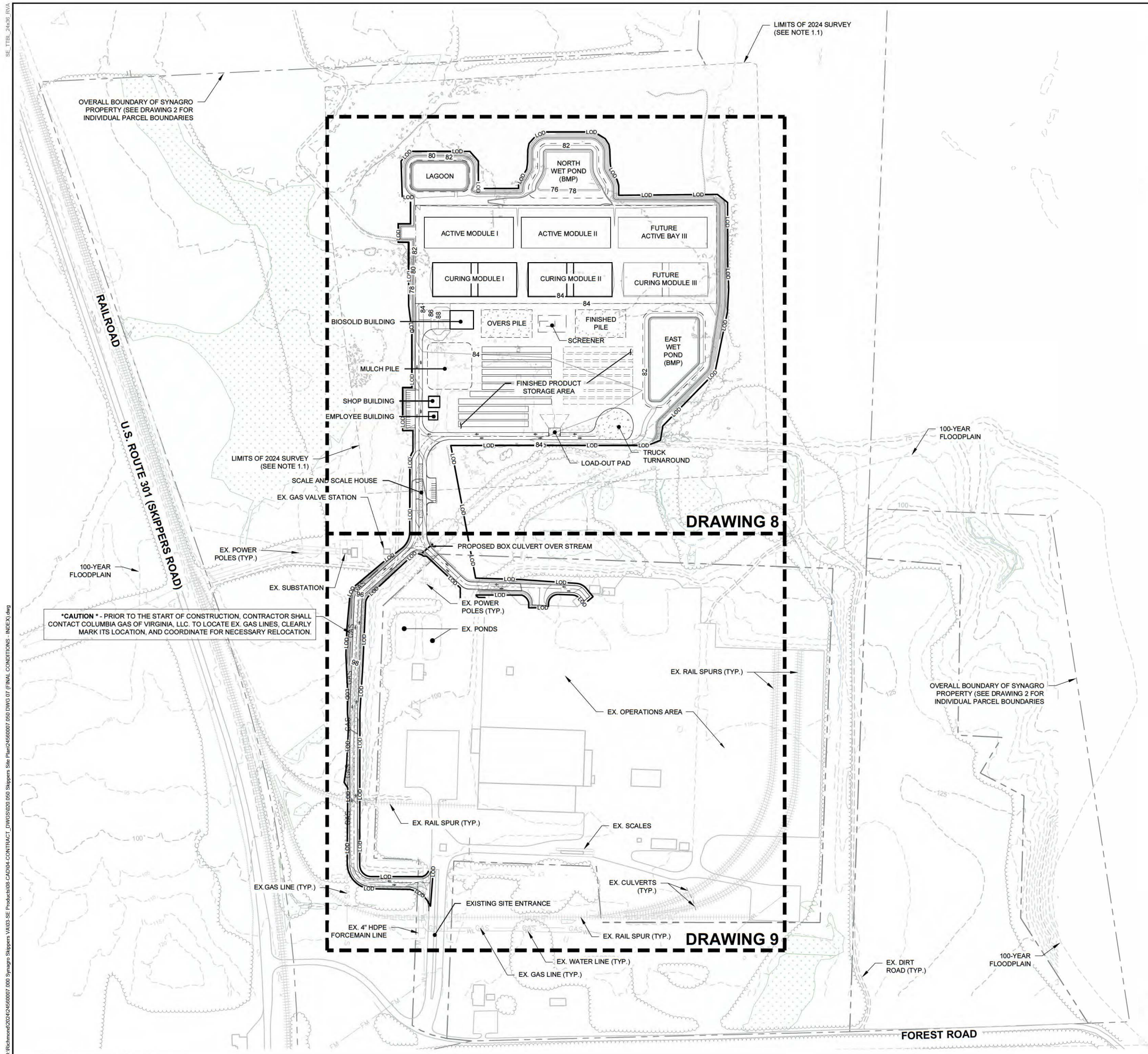
SHEET 5 OF 40

| REV | DESCRIPTION         | DES. BY | CHK. BY | DATE     |
|-----|---------------------|---------|---------|----------|
| 1   | ADDITIONAL 1        | ARD     | CPH     | 04/25/25 |
| 0   | ISSUED FOR BID ONLY | ARD     | CPH     | 03/21/25 |









1. EXISTING CONDITIONS COMPILED FROM:

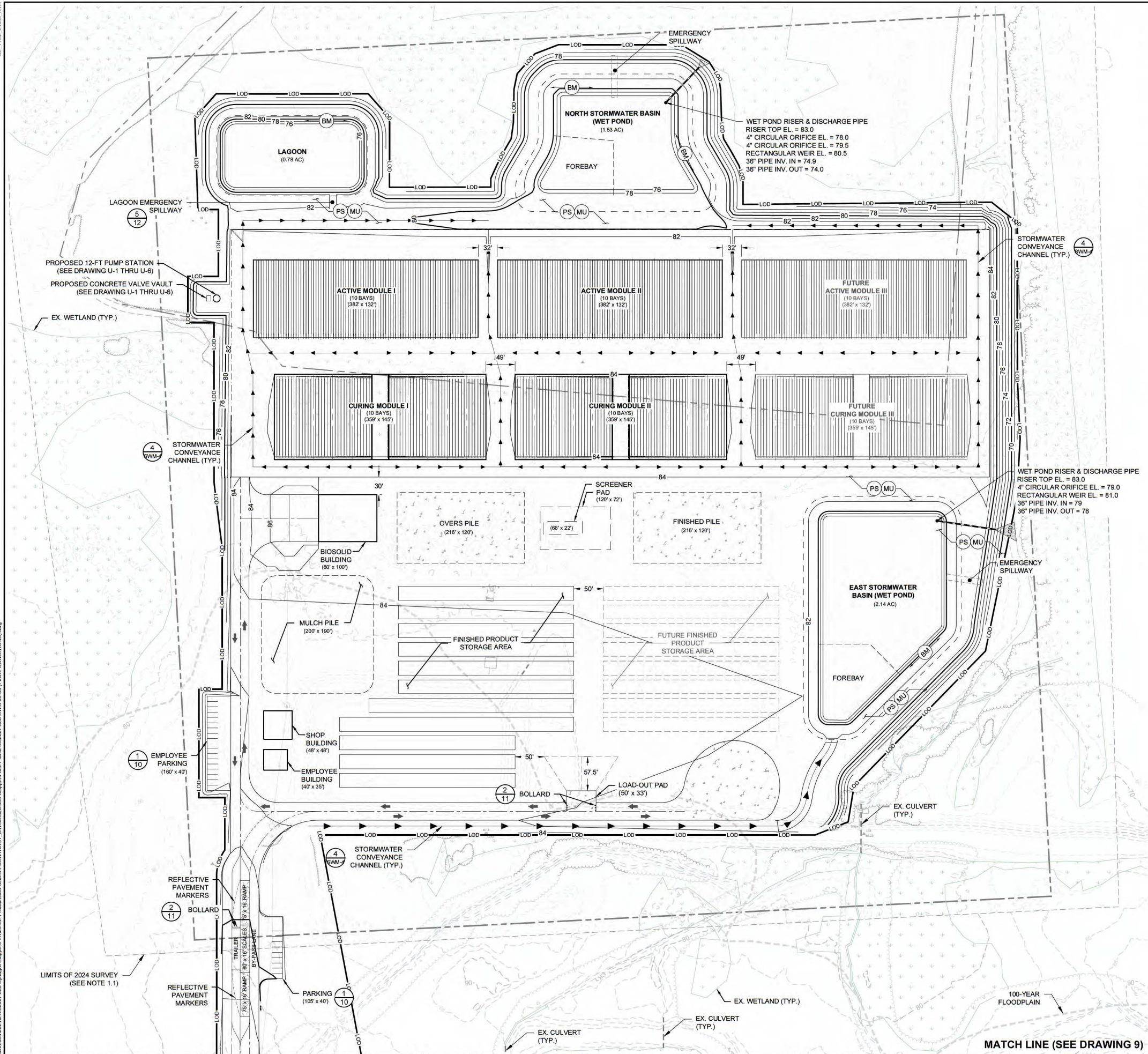
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|  |   |  |   |   |             |        |          |  |  |  |  |
|--|---|--|---|---|-------------|--------|----------|--|--|--|--|
| PREPARED FOR:<br><br> | SKIPPERS BIOSOLIDS<br>COMPOSTING FACILITY<br>SKIPPERS, VIRGINIA               |  |  <b>Schnabel</b><br>ENGINEERING<br><br>9800 EGB Street Parkway, Suite 100<br>Glen Allen, VA 23059<br>Phone: 804-546-7035<br>Fax: 804-546-7036<br><a href="http://www.schnabel-eng.com">schnabel-eng.com</a> | <div style="text-align: center; color: red; font-weight: bold; font-size: 1.2em;">             ISSUED<br/>FOR BID<br/>ONLY           </div> |             |        |          |  |  |  |  |
|  | FINAL GRADING AND PHASE 2<br>EROSION & SEDIMENT CONTROL PLAN<br>(INDEX SHEET) |  |   |   |             |        |          |  |  |  |  |
| PROJECT: 24560007.090  | DATE: 04/25/25  |  | JRD   |   | CPH         | JRD    | 04/25/25 |  |  |  |  |
| DRAWING<br>7   |   |  | JRD   |   | CPH         | JRD    | 03/31/25 |  |  |  |  |
| SHEET<br>7 OF 40   |   |  | ISSUED FOR BID ONLY   |   | DESCRIPTION | CHK BY | DATE     |  |  |  |  |



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| LEGEND |   |
|--------|---|
|        | PROPERTY BOUNDARY                         |
|        | EX. TOPOGRAPHIC CONTOURS (2' INTERVALS)   |
|        | PROP. TOPOGRAPHIC CONTOURS (2' INTERVALS) |
|        | EX. DIRT ROAD                             |
|        | EX. STREAM CENTERLINE                     |
|        | EX. TREELINE                              |
|        | EX. BRUSHLINE                             |
|        | EX. WETLAND                               |
|        | EX. STREAM                                |
|        | EX. CULVERT / STORMWATER PIPE             |
|        | PROP. ASPHALT PAVEMENT                    |
|        | PROP. CONCRETE                            |
|        | PROP. LIMITS OF DISTURBANCE               |
|        | PROP. TREELINE                            |
|        | PROP. SILT FENCE                          |
|        | PROP. CONSTRUCTION ENTRANCE (C-SCM-03-01) |
|        | PROP. RIPRAP OUTLET PROTECTION (C-ECM-15) |
|        | PROP. PERMANENT SEEDING (C-SSM-10)        |
|        | PROP. MULCHING (C-SSM-11)                 |
|        | SOIL STABILIZATION MATTING (C-SSM-05)     |

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N

SCALE: 1"=80'

0 80 160

**SEE DRAWINGS U-1 THROUGH U-6 FOR PROPOSED UTILITIES LAYOUT, PROFILES, AND DETAILS.**

|               |  |  |                     |  |          |          |      |
|---------------|--|--|---------------------|--|----------|----------|------|
| PREPARED FOR: | SKIPPER'S BIOSOLIDS COMPOSTING FACILITY<br>SKIPPER'S, VIRGINIA           |  | ADENDUM 1           |  | 04/25/25 | 03/11/25 | DATE |
|               | FINAL GRADING AND PHASE 2<br>EROSION & SEDIMENT CONTROL PLAN<br>(1 of 2) |  | ISSUED FOR BID ONLY |  | 0        | 0        | REV  |
|               | SYNAGRO  |  | DESCRIPTION         |  | DES. BY  |          |      |
|               |  |  |                     |  | CHK. BY  |          |      |

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### **STORMWATER PERFORMANCE MINIMUM STANDARDS**

MS-15: BED AND BANK STABILIZATION - THE BED AND BANKS OF A WATERCOURSE SHALL BE STABILIZED IMMEDIATELY AFTER WORK IN THE WATERCOURSE HAS BEEN COMPLETED.

1. INSPECT TEMPORARY VEHICULAR STREAM CROSSINGS AFTER EVERY RAINFALL AND AT LEAST ONCE A WEEK, WHETHER IT HAS RAINED OR NOT, AND REPAIR ALL DAMAGE IMMEDIATELY.
2. INSPECT STREAM FOR BANK EROSION AND IN-STREAM DEGRADATION. IF BANK EROSION OCCURS, STABILIZE BANKS USING EROSION CONTROL PRACTICES SUCH AS EROSION CONTROL BLANKETS. IF IN-STREAM DEGRADATION IS OCCURRING, ARMOR THE CULVERT OUTLET(S) WITH RIPRAP TO DISSIPATE ENERGY. IF SEDIMENT IS ACCUMULATING UPSTREAM OF THE CROSSING, REMOVE EXCESS SEDIMENT AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE CROSSING.
3. REMOVE THE TEMPORARY CROSSING WHEN IT IS NO LONGER NEEDED FOR CONSTRUCTION. TAKE CARE TO MINIMIZE THE AMOUNT OF SEDIMENT LOST INTO THE STREAM UPON REMOVAL. ONCE THE CROSSING HAS BEEN REMOVED, STABILIZE THE STREAM BANKS WITH SEED AND EROSION CONTROL BLANKETS.

1. BECAUSE THE POTENTIAL FOR WASHOUT IS HIGH, MONITOR THE COFFERDAM DAILY AND DO NOT LEAVE THE COFFERDAM UNATTENDED FOR LONGER THAN 24 HOURS.
2. OBSERVE WEATHER REPORTS DAILY. IF A STORM EVENT IS EXPECTED, STABILIZE THE SITE AS APPROPRIATE. MAKE ALL REPAIRS IMMEDIATELY TO PREVENT FURTHER DAMAGE TO THE INSTALLATION.
3. REGULARLY INSPECT COFFERDAMS FOR LEAKS OR OTHER DEFICIENCIES. REMOVE SANDBAGS USED WITHIN THE COFFERDAM, IF APPLICABLE, BY HAND TO PREVENT BREAKAGE.
4. RETURN ALL DISTURBED SOIL WITHIN THE COFFERED AREA TO ORIGINAL CONDITION WITH ALL POSSIBLE EFFORTS MADE TO RETAIN THE EXISTING SOIL PROFILE BEFORE REMOVAL OF THE DAMS.
5. RESEED THE SIDESLOPES, STABILIZE WITH AN APPROPRIATE EROSION CONTROL BLANKET, AND RESTORE THE SUBSTRATE TO PRE-CONSTRUCTION CONDITIONS. INITIATE STABILIZATION OF ALL REMAINING DISTURBED AREAS IMMEDIATELY FOLLOWING THE REMOVAL OF THE COFFERDAMS. DO NOT LEAVE AREAS ADJACENT TO WATER FEATURES DISTURBED OVERNIGHT.

[illegible]