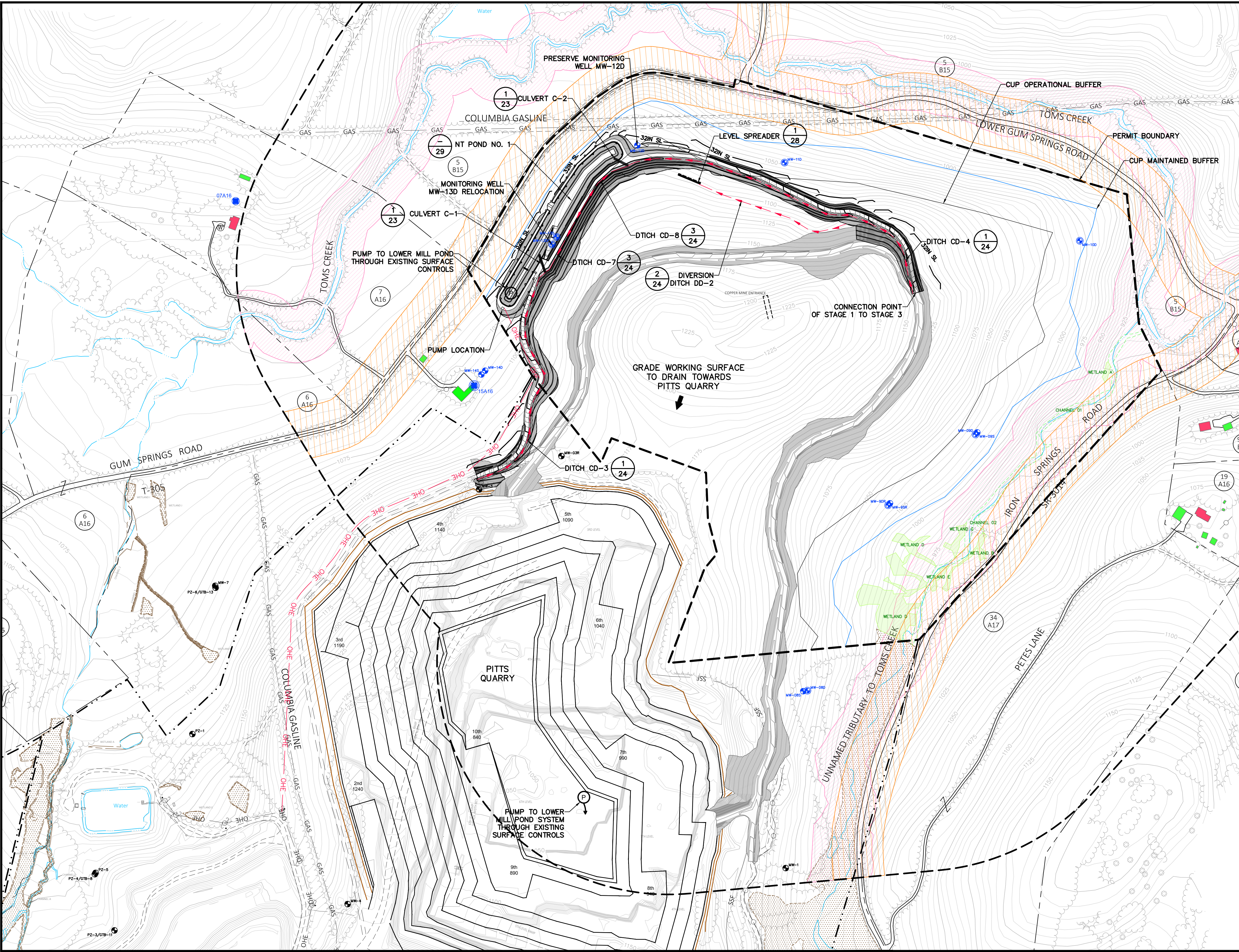
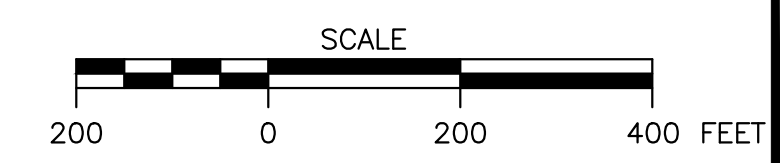


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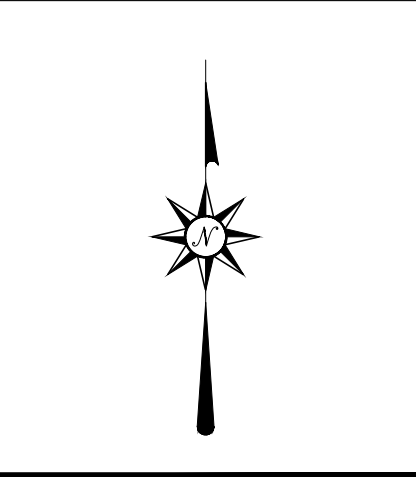
- E&SC STAGE 3**
- E&SC STAGE 3 MAY COMMENCE ONCE NT POND NO. 1 AND COLLECTION DITCH CD-3 FROM E&SC STAGE 2 IS COMPLETE.
  - REMOVE DIVERSION DITCH DD-1 AND COMPLETE ANY NECESSARY MAINTENANCE OF THE EXISTING LEVEL SPREADER.
  - COMPLETE INITIAL CLEARING OF TREES AS NEEDED TO FACILITATE EQUIPMENT ACCESS FOR INSTALLATION OF DIVERSION DITCH DD-2. INSTALL DIVERSION DITCH DD-2 TO DRAIN INTO THE LEVEL SPREADER ALONG THE ALIGNMENT SHOWN.
  - CLEAR TREES AS NEEDED TO FACILITATE EQUIPMENT ACCESS FOR COMPOST FILTER SOCK INSTALLATION. INSTALL FILTER SOCK AT LOCATIONS SHOWN ON THE PLAN.
  - COMPLETE GRUBBING AND TREE CLEARING AND STRIP OVERBURDEN SOIL FROM THE FOOTPRINT OF THE ACCESS ROAD AND COLLECTION DITCH CD-4. OVERBURDEN SOIL IS TO BE STOCKPILED AT A LOCATION SPECIFIED BY SGI, OR USED FOR NORTHERN TRACT RECLAMATION ACTIVITIES.
  - CONSTRUCT ACCESS ROAD AND COLLECTION DITCH CD-4 STARTING AT THE DOWNSTREAM END AND WORKING UPSTREAM.
  - ONCE COLLECTION DITCH CD-4 IS COMPLETE, REMOVE DIVERSION DITCH DD-2 AND THE STILLING BASIN.
- GENERAL NOTE**
- SHALLOW SURFACE BLASTING, IF NEEDED, MAY BE USED TO FACILITATE ROCK EXCAVATION FOR POND, ROAD, AND DITCH DEVELOPMENT. THIS BLASTING WILL BE APPROVED THROUGH COLUMBIA GAS, AS APPLICABLE, AND THE PADEP PRIOR TO INITIATING BLASTING ACTIVITIES.



**NOTES / REVISIONS**

REV.	DATE	ISSUED FOR	REVISION DESCRIPTION	MADE BY	CHKD BY	DATE
1						
2						
3						
4						

SEAL:



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 CONSULTANTS

**SGI**

PROJECT NUMBER: 152596A  
 FILE NAME: Exhibit 12-E&SC Stage 3-RO.dwg

DRAWN BY: AJM  
 CHECKED BY: RMS/MDW

DATE: 12/14/2017  
 DATE: 12/22/2017

**SPECIALTY GRANULES LLC**  
**CHARMIAN - NORTHERN TRACT QUARRY**

EXHIBIT 12  
 E&SC STAGE 3

SCALE: AS SHOWN  
 DRAWING NO. 15  
 REV 0