

PROPOSED NOVICE LIFT BASE TERMINAL

PROPOSED DISCOVERY LIFT BASE TERMINAL

PROPOSED LODGE EXPANSION PROJECT

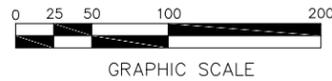
EXISTING BUS PARKING

EXISTING DISCOVERY LODGE

EXISTING PARKING

PROPOSED DISCOVERY LODGE EXPANSION STORMWATER MANAGEMENT

COUNTY ROUTE 49A



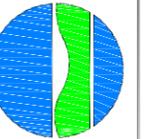
PROPOSED DISCOVERY BASE AREA TREE CUTTING



PROPOSED TREELINE



NOTE:
 THIS DRAWING SHOWS THREE SEPARATE GRADING AREAS THAT ARE PART OF PROPOSED PROJECTS INCLUDING; DISCOVERY LODGE EXPANSION, NOVICE LIFT REPLACEMENT, & DISCOVERY LIFT. SEE ADDITIONAL PROJECT SPECIFIC DRAWINGS FOR MORE DETAILED GRADING, DRAINAGE, EROSION & SEDIMENT CONTROL DETAILS.

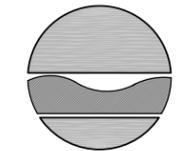


LEGEND

-  PAVEMENT REMOVALS
-  UTILITY REMOVALS
-  CLEARING/GRUBBING
-  PAVEMENT REMOVALS-PHASE II
-  REMOVALS BY OTHERS

WASTE MANAGEMENT NOTES

1. Clean Demolition Debris comprised of broken asphalt or concrete shall be retained on site and re-used as deep structural fill (e.g. hardfill). All other demolition waste streams shall be managed, transported, and disposed offsite pursuant to 6NYCRR Part 360 Solid Waste Regulations and as approved by the Engineer.
2. Contractor shall implement a program of construction waste management, including recycling of paper and cardboard; plastic; wood products; and metals, as approved by the Engineer. Daily cleanup of construction waste shall be conducted to prevent contamination of surrounding areas. Do not allow waste to accumulate.
3. Underground storage tank associated waste products shall be classified and disposed in conformance with the specifications.
4. Asbestos waste shall be managed in conformance with the Asbestos Abatement plans, herein.
5. Keep all dumpsters and roll-off containers covered to prevent stormwater entry.
6. Concrete washout of trucks and equipment shall be conducted at the approved concrete discharge area, as depicted in the SWPPP and sediment and erosion control plans.
7. All spills shall be immediately stopped, and reported to the Engineer in conformance with the SWPPP.



DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONSULTANT

SHUMAKER
 Consulting Engineering & Land Surveying, P.C.
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 Telephone (315) 724-0100/ Fax (315) 724-3715

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CONTRACT:	CONSTRUCTION
TITLE:	DISCOVERY LODGE AT BELLEAYRE MOUNTAIN SKI CENTER REHABILITATION & ADDITION
LOCATION:	BELLEAYRE MOUNTAIN PO BOX 313 HIGHMOUNT, NY 12441
CLIENT:	D.E.C. (518) 402-9084

100 %
FINAL PLANS
 4-25-08

MARK	DATE	DESCRIPTION
PROJECT NUMBER:	03-2118	
DESIGNED BY:		
DRAWN BY:		
FIELD CHECK:		
APPROVED:		
SHEET TITLE:	SITE REMOVALS PLAN	
DRAWING NUMBER:	C-1 UMP BS2	
SHEET	OF	

GENERAL NOTES:

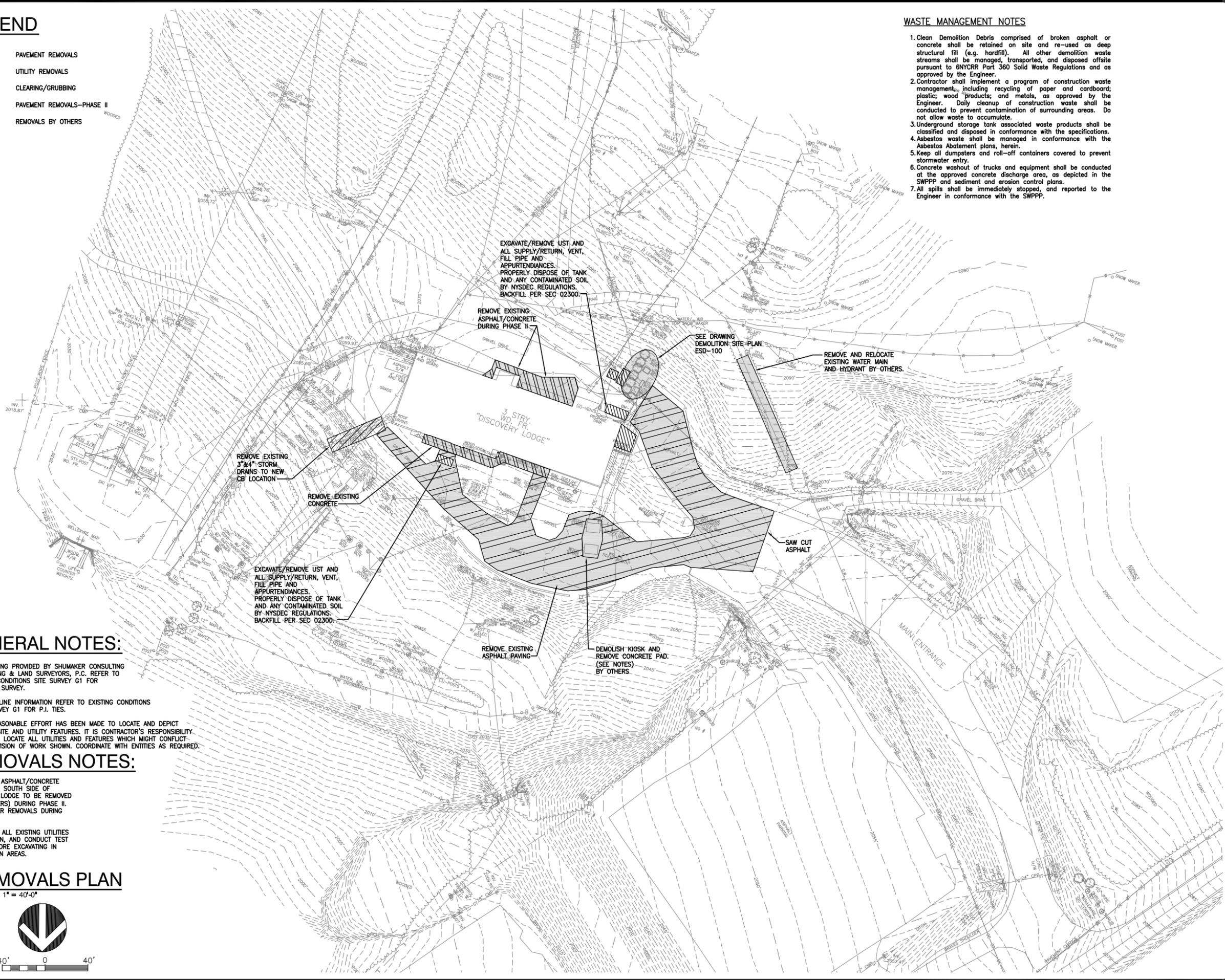
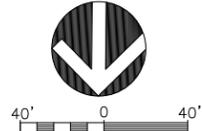
1. BASEMAPMING PROVIDED BY SHUMAKER CONSULTING ENGINEERING & LAND SURVEYORS, P.C. REFER TO EXISTING CONDITIONS SITE SURVEY G1 FOR COMPLETE SURVEY.
2. FOR BASELINE INFORMATION REFER TO EXISTING CONDITIONS SITE SUREVEY G1 FOR P.J. TIES.
3. EVERY REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DEPICT EXISTING SITE AND UTILITY FEATURES. IT IS CONTRACTOR'S RESPONSIBILITY TO VERIFY, LOCATE ALL UTILITIES AND FEATURES WHICH MIGHT CONFLICT WITH PROVISION OF WORK SHOWN. COORDINATE WITH ENTITIES AS REQUIRED.

REMOVALS NOTES:

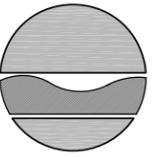
1. EXISTING ASPHALT/CONCRETE PATIO ON SOUTH SIDE OF EXISTING LODGE TO BE REMOVED (BY OTHERS) DURING PHASE II. ALL OTHER REMOVALS DURING PHASE I
2. PROTECT ALL EXISTING UTILITIES TO REMAIN, AND CONDUCT TEST PITS BEFORE EXCAVATING IN UNCERTAIN AREAS.

REMOVALS PLAN

SCALE: 1" = 40'-0"



Sep 15, 2008 - 4:11pm
 J:\2008\06124\00_belleayre ski area\CADD\Design\revised lds\revised lds\dwg\012401removals.dwg
 36x24 PLOT SHEET



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CONTRACT:

CONSTRUCTION

TITLE:

DISCOVERY LODGE AT BELLEAYRE MOUNTAIN SKI CENTER REHABILITATION & ADDITION

LOCATION:

BELLEAYRE MOUNTAIN
PO BOX 313
HIGHMOUNT, NY 12441

CLIENT:

D.E.C.
(518) 402-9084

REVISED
STORMWATER
MANAGEMENT PLANS
2-7-11

MARK	DATE	DESCRIPTION
PROJECT NUMBER:	03-2118	
DESIGNED BY:	TMK	
DRAWN BY:	SRR	
FIELD CHECK:		
APPROVED:	WCN	
SHEET TITLE:		

GRADING PLAN

DRAWING NUMBER:

C-3 UMP BS3

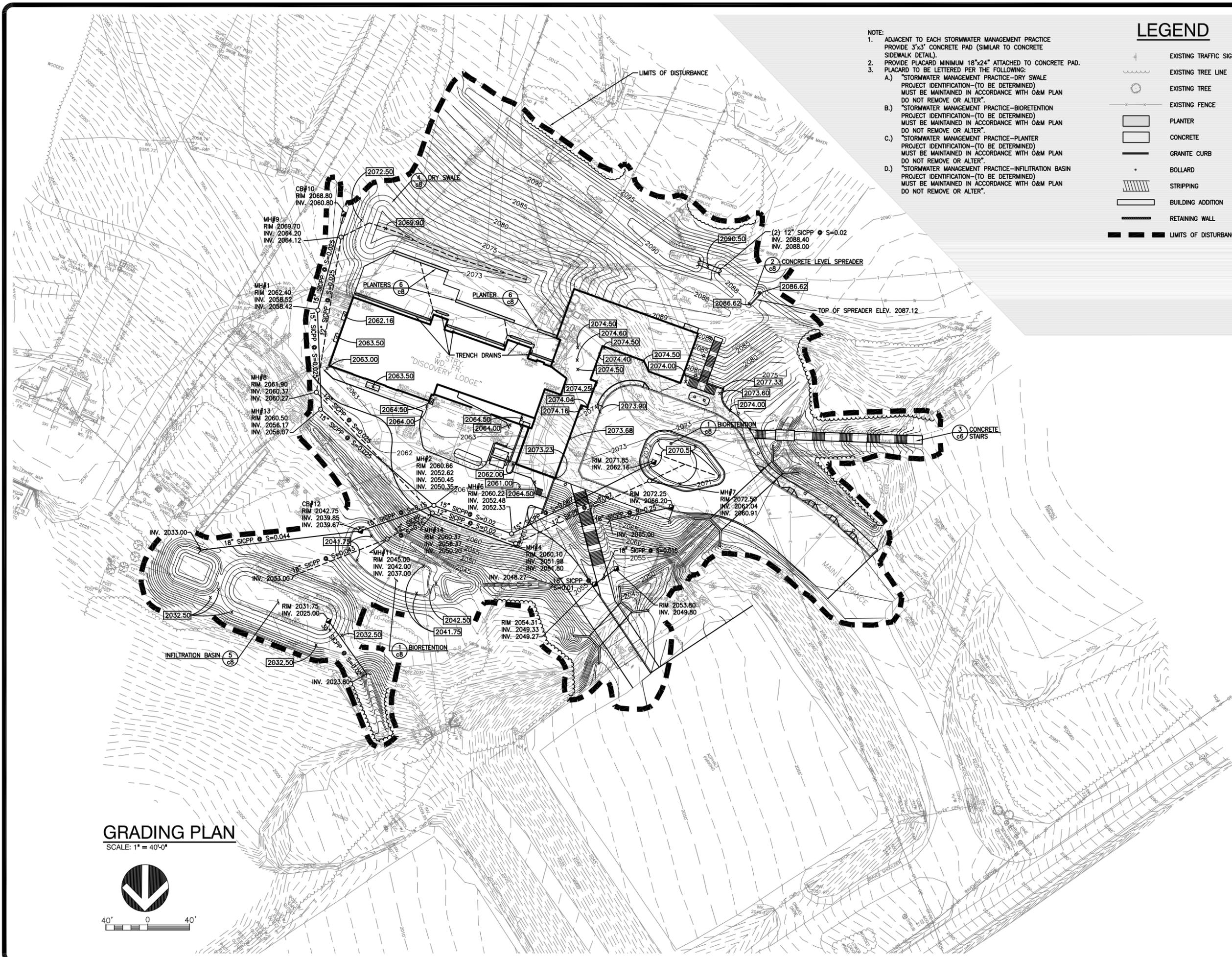
SHEET OF

LEGEND

- 4 EXISTING TRAFFIC SIGN
- EXISTING TREE LINE
- EXISTING TREE
- EXISTING FENCE
- PLANTER
- CONCRETE
- GRANITE CURB
- BOLLARD
- STRIPPING
- BUILDING ADDITION
- RETAINING WALL
- LIMITS OF DISTURBANCE

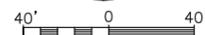
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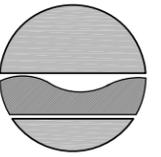
1. ADJACENT TO EACH STORMWATER MANAGEMENT PRACTICE PROVIDE 3'x3' CONCRETE PAD (SIMILAR TO CONCRETE SIDEWALK DETAIL).
2. PROVIDE PLACARD MINIMUM 18"x24" ATTACHED TO CONCRETE PAD. PLACARD TO BE LETTERED PER THE FOLLOWING:
3. PLACARD TO BE LETTERED PER THE FOLLOWING:
 - A.) "STORMWATER MANAGEMENT PRACTICE-DRY SWALE PROJECT IDENTIFICATION-(TO BE DETERMINED) MUST BE MAINTAINED IN ACCORDANCE WITH O&M PLAN DO NOT REMOVE OR ALTER"
 - B.) "STORMWATER MANAGEMENT PRACTICE-BIORETENTION PROJECT IDENTIFICATION-(TO BE DETERMINED) MUST BE MAINTAINED IN ACCORDANCE WITH O&M PLAN DO NOT REMOVE OR ALTER"
 - C.) "STORMWATER MANAGEMENT PRACTICE-PLANTER PROJECT IDENTIFICATION-(TO BE DETERMINED) MUST BE MAINTAINED IN ACCORDANCE WITH O&M PLAN DO NOT REMOVE OR ALTER"
 - D.) "STORMWATER MANAGEMENT PRACTICE-INFILTRATION BASIN PROJECT IDENTIFICATION-(TO BE DETERMINED) MUST BE MAINTAINED IN ACCORDANCE WITH O&M PLAN DO NOT REMOVE OR ALTER"



GRADING PLAN

SCALE: 1" = 40'-0"





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LOCATION:
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PO BOX 313
HIGHMOUNT, NY 12441

CLIENT:
D.E.C.
(518) 402-9084

REVISED
STORMWATER MANAGEMENT PLANS
2-7-11

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DRAWN BY:	SRR	
FIELD CHECK:		
APPROVED:	WCN	

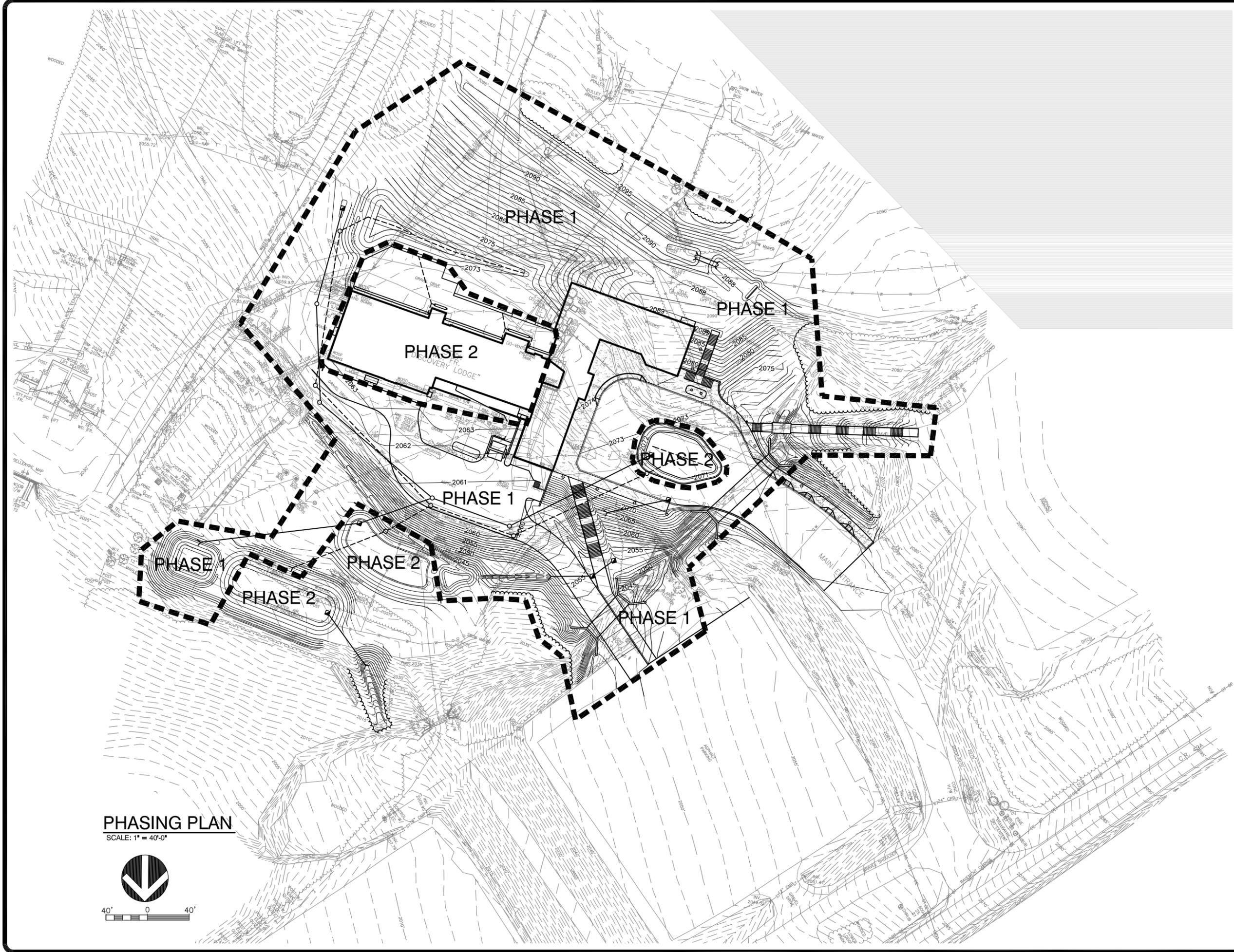
SHEET TITLE:

PHASING PLAN

DRAWING NUMBER:

FIGURE - 3
UMP BS4

SHEET OF



PHASING PLAN

SCALE: 1" = 40'-0"



PROJECT PHASING

A. PHASE I ACTIVITIES INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO THE FOLLOWING:

1. INSTALLATION OF SEDIMENT AND EROSION CONTROL MEASURES FOR PHASE I ACTIVITIES
2. SELECTED DEMOLITION OF SITE ROADWAYS AND PARKING SURFACES
3. REMOVAL OF UNDERGROUND FUEL STORAGE TANKS AND INSTALLATION OF NEW FUEL OIL TANK AND UNDERGROUND LIQUID PROPANE TANK
4. EARTHWORK REQUIRED FOR NEW SERVICE AND EMERGENCY VEHICLE ACCESS ROAD, INCLUDING NEW CULVERT AND STABILIZATION OF EXISTING CULVERT
5. SELECTED DEMOLITION AND RECONSTRUCTION OF ELECTRICAL POWER DISTRIBUTION COMPONENTS
6. CONSTRUCTION OF SITE EXTERIOR LIGHTING
7. SELECTED DEMOLITION AND RECONSTRUCTION OF WATER DISTRIBUTION COMPONENTS (BY OTHERS)
8. COMPLETE PUMP-DOWN OF EXISTING SEPTIC TANK AND INTERIOR SANITARY FACILITIES. PROPERLY TRANSPORT AND DISPOSE CONTENTS AS APPROVED BY STATE AND LOCAL WASTE MANAGEMENT REGULATIONS.
9. CONSTRUCTION OF NEW GREAS

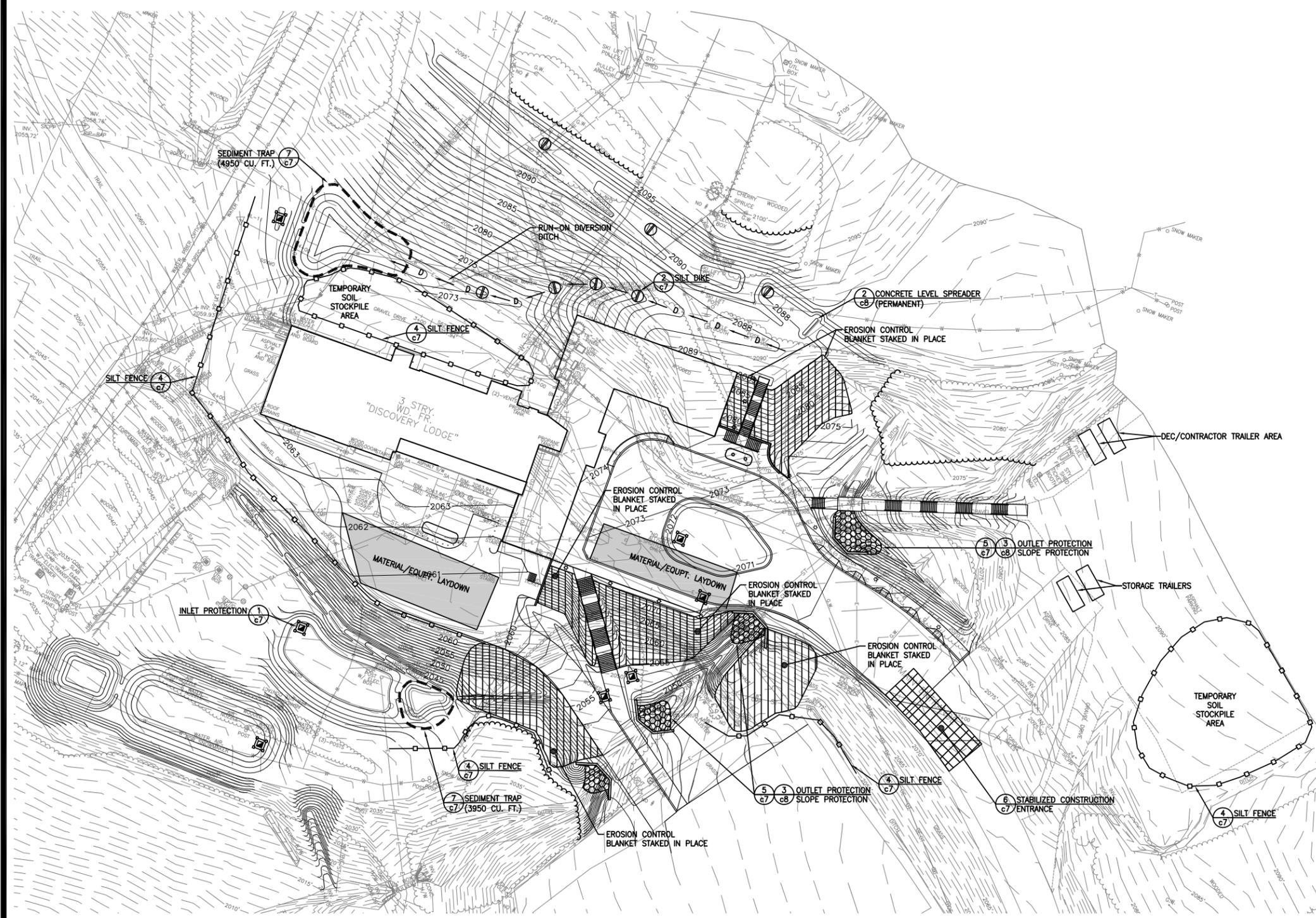
- JRBS AND OTHER EXTERIOR SURFACES (NOT INCLUDING NEW PATIO)
12. CONSTRUCTION OF NEW ADDITION, RENTAL SHOP AND OFFICE BUILDING.
 13. PAVING OF RE-GRADED AND NEW ROADWAY SURFACES (BINDER COURSE ONLY)
 14. FINAL SITE GRADING
 15. SEEDING, MULCHING, AND STABILIZATION
 16. SIGNAGE FOR PARKING, AND OTHER DIRECTIONAL MARKERS.

B. PHASE II ACTIVITIES INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO THE FOLLOWING:

1. INSTALLATION OF PHASE II SEDIMENT AND EROSION CONTROL MEASURES
2. PARTIAL DEMOLITION AND RECONSTRUCTION OF THE EXISTING BASE LODGE STRUCTURE
3. INTERIOR WORK IN ALL NEW STRUCTURES
4. CONSTRUCTION OF NEW CONCRETE PATIO ON SOUTH SIDE OF LODGE (BY OTHERS)
5. FINAL PAVING AND PAVEMENT REPAIRS (TOP COURSE)
6. FINAL SIGNAGE AND TRAFFIC ROUTING
7. CONTRACTOR CLEANUP AND DEMOBILIZATION
8. BUILDING COMMISSIONING
9. FINAL SITE SEEDING, MULCHING, AND STABILIZATION
10. REMOVAL OF SEDIMENT AND EROSION CONTROL MEASURES, AS APPROVED BY ENGINEER.

SEDIMENT AND EROSION CONTROL NOTES

1. CONTRACTOR SHALL INSTALL AND MAINTAIN ALL SEDIMENT AND EROSION CONTROLS IN CONFORMANCE WITH THESE PLANS, AND ANY CONTRACTOR CONDUCTING EARTHWORK SHALL SIGN AND COMPLY WITH ALL ELEMENTS OF THE PROJECT STORMWATER POLLUTION PREVENTION PLAN.
2. ALL SOIL STOCKPILES OR OTHER AREAS OF DISTURBED SOIL SHALL BE STABILIZED WITH MULCH AND A FAST EMERGING GRASS SEED MIX WITHIN 2 WEEKS OF DISTURBANCE. PROTECT AND MONITOR UNTIL STABILIZED.
3. DISTURBED SLOPES GREATER THAN 1:3 SHALL BE SEEDED THEN STABILIZED WITH JUTE MESH, OR STRAW AND/OR EXCELSION MATTING. MESH OR MATTING SHALL BE INSTALLED AND STAKED IN CONFORMANCE WITH THE MANUFACTURER'S REQUIREMENTS.
4. MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES UNTIL THE SITE IS RESTORED AND STABILIZED AND AS AUTHORIZED BY THE ENGINEER.
5. PROTECT NEWLY INSTALLED BIO-RETENTION BASIN FROM SEDIMENTATION UNTIL TURF ESTABLISHMENT AND LANDSCAPING HAVE ADEQUATELY STABILIZED THE DISTURBED SURFACE.
6. TOPSOIL AND EARTH FILL SHALL BE STRIPPED AND STOCKPILED ON SITE, IN A LOCATION APPROVED BY THE ENGINEER, AND SHOWN ON THE DRAWINGS. RE-USE ALL TOPSOIL AND EARTH FILL AS MUCH AS PRACTICAL. STABILIZE SOIL STOCKPILES WITH MULCH AND SILT FENCE.



LEGEND

- DROP INLET PROTECTION
- SILT FENCE
- EROSION CONTROL BLANKET STAKED IN PLACE
- STABILIZED CONSTRUCTION ENTRANCE
- STONE FILLING SLOPE PROTECTION
- TRAILERS
- TRIANGULAR SILT DIKE
- DIVERSION SWALE
- STONE FILLING SLOPE PROTECTION
- MATERIAL/EQUIP. LAYDOWN
- TREE LINE

SITE PLAN

SCALE: 1" = 40'-0"



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CONTRACT: CONSTRUCTION

TITLE: DISCOVERY LODGE AT BELLEAYRE MOUNTAIN SKI CENTER REHABILITATION & ADDITION

LOCATION: BELLEAYRE MOUNTAIN PO BOX 313 HIGHMOUNT, NY 12441

CLIENT: D.E.C. (518) 402-9084

REVISED
STORMWATER MANAGEMENT PLANS
2-7-11

MARK	DATE	DESCRIPTION
PROJECT NUMBER:	03-2118	
DESIGNED BY:	TMK	
DRAWN BY:	SRR	
FIELD CHECK:		
APPROVED:	WCN	
SHEET TITLE:		

PHASE I SEDIMENT AND EROSION CONTROL PLAN

DRAWING NUMBER: G-2 UMP BS5

SHEET OF

Feb 07 2011 - 10:33am
A:\2005\0612400 Belleayre Ski Area\CADD\Design\Redesign of stormwater-2010\061240-erosion phase 1.dwg
36x24 PLOT SHEET

SEDIMENT AND EROSION CONTROL NOTES

1. CONTRACTOR SHALL INSTALL AND MAINTAIN ALL SEDIMENT AND EROSION CONTROLS IN CONFORMANCE WITH THESE PLANS, AND ANY CONTRACTOR CONDUCTING EARTHWORK SHALL SIGN AND COMPLY WITH ALL ELEMENTS OF THE PROJECT STORMWATER POLLUTION PREVENTION PLAN.
2. ALL SOIL STOCKPILES OR OTHER AREAS OF DISTURBED SOIL SHALL BE STABILIZED WITH MULCH AND A FAST EMERGING GRASS SEED MIX WITHIN 2 WEEKS OF DISTURBANCE. PROTECT AND MONITOR UNTIL STABILIZED.
3. DISTURBED SLOPES GREATER THAN 1:3 SHALL BE SEEDED THEN STABILIZED WITH JUTE MESH, OR STRAW AND/OR EXCELSDOR MATTING. MESH OR MATTING SHALL BE INSTALLED AND STAKED IN CONFORMANCE WITH THE MANUFACTURER'S REQUIREMENTS.
4. MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES UNTIL THE SITE IS RESTORED AND STABILIZED AND AS AUTHORIZED BY THE ENGINEER.
5. PROTECT NEWLY INSTALLED BIO-RETENTION BASIN FROM SEDIMENTATION UNTIL TURF ESTABLISHMENT AND LANDSCAPING HAVE ADEQUATELY STABILIZED THE DISTURBED SURFACE.
6. TOPSOIL AND EARTH FILL SHALL BE STRIPPED AND STOCKPILED ON SITE, IN A LOCATION APPROVED BY THE ENGINEER, AND SHOWN ON THE DRAWINGS. RE-USE ALL TOPSOIL AND EARTH FILL AS MUCH AS PRACTICAL. STABILIZE SOIL STOCKPILES WITH MULCH AND SILT FENCE.
7. PERMANENT STORMWATER DETENTION BASIN COMPLETELY CONSTRUCTED, TO BE MAINTAINED, FOREBAY TO BE CLEANED PER O&M IN SWPPP.

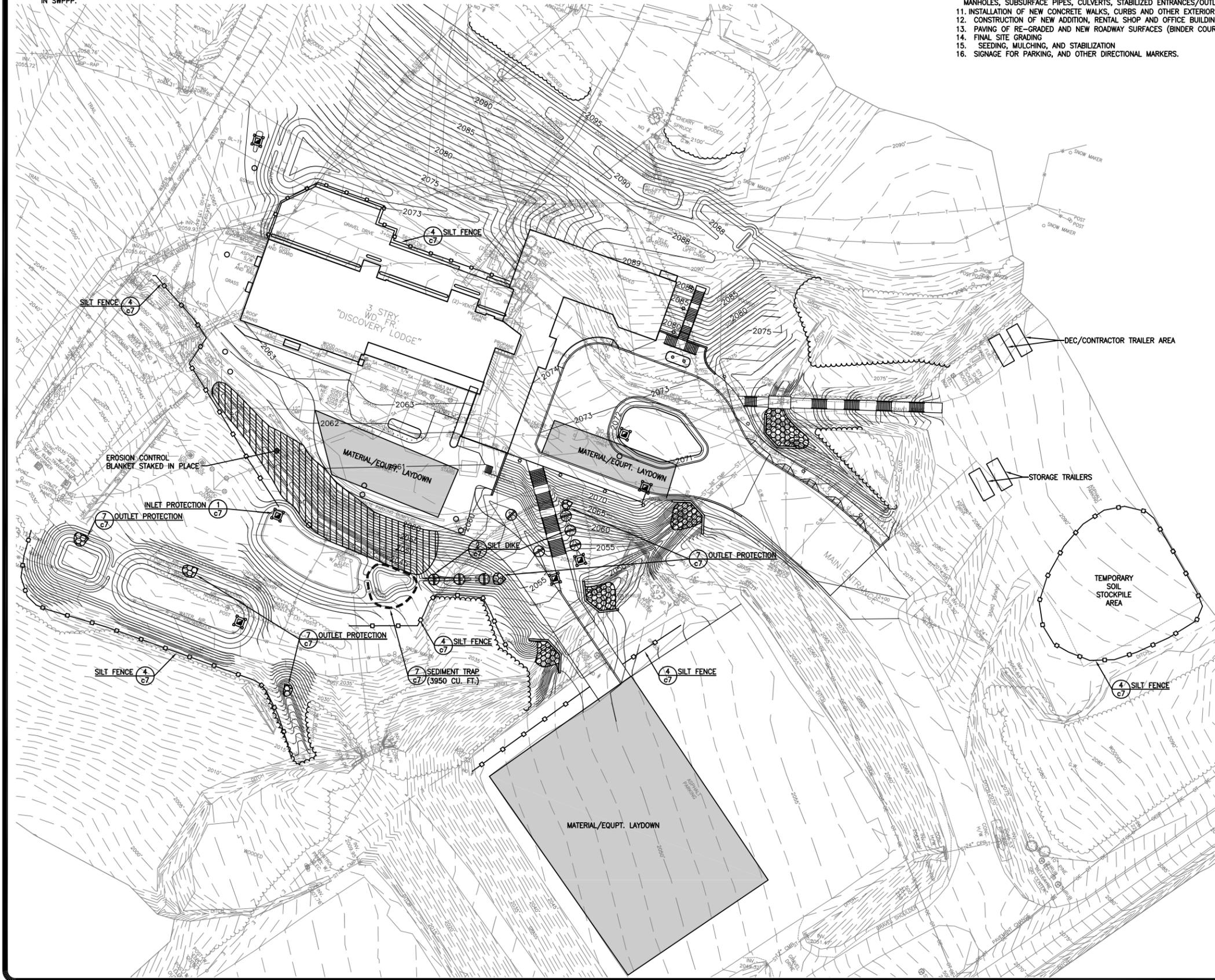
B. PHASE II ACTIVITIES INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO THE FOLLOWING:

1. INSTALLATION OF PHASE II SEDIMENT AND EROSION CONTROL MEASURES
2. PARTIAL DEMOLITION AND RECONSTRUCTION OF THE EXISTING BASE LODGE STRUCTURE
3. INTERIOR WORK IN ALL NEW STRUCTURES
4. CONSTRUCTION OF NEW CONCRETE PATIO ON SOUTH SIDE OF LODGE (BY OTHERS)
5. FINAL PAVING AND PAVEMENT REPAIRS (TOP COURSE)
6. FINAL SIGNAGE AND TRAFFIC ROUTING
7. CONTRACTOR CLEANUP AND DEMOBILIZATION
8. BUILDING COMMISSIONING
9. FINAL SITE SEEDING, MULCHING, AND STABILIZATION
10. REMOVAL OF SEDIMENT AND EROSION CONTROL MEASURES, AS APPROVED BY ENGINEER.

PROJECT PHASING

A. PHASE I ACTIVITIES INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO THE FOLLOWING:

1. INSTALLATION OF SEDIMENT AND EROSION CONTROL MEASURES FOR PHASE I ACTIVITIES
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3. REMOVAL OF UNDERGROUND FUEL STORAGE TANKS AND INSTALLATION OF NEW FUEL OIL TANK AND UNDERGROUND LIQUID PROPANE TANK.
4. EARTHWORK REQUIRED FOR NEW SERVICE AND EMERGENCY VEHICLE ACCESS ROAD, INCLUDING NEW CULVERT AND STABILIZATION OF EXISTING CULVERT.
5. SELECTED DEMOLITION AND RECONSTRUCTION OF ELECTRICAL POWER DISTRIBUTION COMPONENTS
6. CONSTRUCTION OF SITE EXTERIOR LIGHTING
7. SELECTED DEMOLITION AND RECONSTRUCTION OF WATER DISTRIBUTION COMPONENTS (BY OTHERS)
8. COMPLETE PUMP-DOWN OF EXISTING SEPTIC TANK AND INTERIOR SANITARY FACILITIES. PROPERLY TRANSPORT AND DISPOSE CONTENTS AS APPROVED BY STATE AND LOCAL WASTE MANAGEMENT REGULATIONS.
9. CONSTRUCTION OF NEW GREASE INTERCEPTORS AND MODIFICATIONS TO EXTERIOR SANITARY SEWER CONNECTIONS
10. INSTALLATION OF NEW STORMWATER MANAGEMENT SYSTEM, INCLUDING STORMWATER TREATMENT MEASURES, CATCH BASINS, MANHOLES, SUBSURFACE PIPES, CULVERTS, STABILIZED ENTRANCES/OUTLETS, AND DETENTION BASIN.
11. INSTALLATION OF NEW CONCRETE WALKS, CURBS AND OTHER EXTERIOR SURFACES (NOT INCLUDING NEW PATIO)
12. CONSTRUCTION OF NEW ADDITION, RENTAL SHOP AND OFFICE BUILDING.
13. PAVING OF RE-GRADED AND NEW ROADWAY SURFACES (BINDER COURSE ONLY)
14. FINAL SITE GRADING
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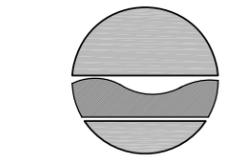


LEGEND

- DROP INLET PROTECTION
- SILT FENCE
- TRAILERS
- TRIANGULAR SILT DIKE
- MATERIAL/EQUIPT. LAYDOWN
- STONE FILLING SLOPE PROTECTION
- EROSION CONTROL BLANKET STAKED IN PLACE

SITE PLAN

SCALE: 1" = 40'-0"



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LOCATION:	BELLEAYRE MOUNTAIN PO BOX 313 HIGHMOUNT, NY 12441
CLIENT:	D.E.C. (518) 402-9084

REVISED
STORMWATER
MANAGEMENT PLANS
 2-7-11

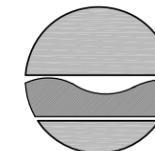
MARK	DATE	DESCRIPTION
PROJECT NUMBER:	03-2118	
DESIGNED BY:	TMK	
DRAWN BY:	SRR	
FIELD CHECK:		
APPROVED:	WCN	
SHEET TITLE:		

PHASE II SEDIMENT AND EROSION CONTROL PLAN

DRAWING NUMBER: G-3 UMP BS6

SHEET OF

Feb. 07.2011 10:35am
 A:\2008\09124.00 Belleayre Ski Area\CADD\Design\Belleayre Stormwater-2010\06124C EROSION phase II.dwg
 36x24 PLOT SHEET



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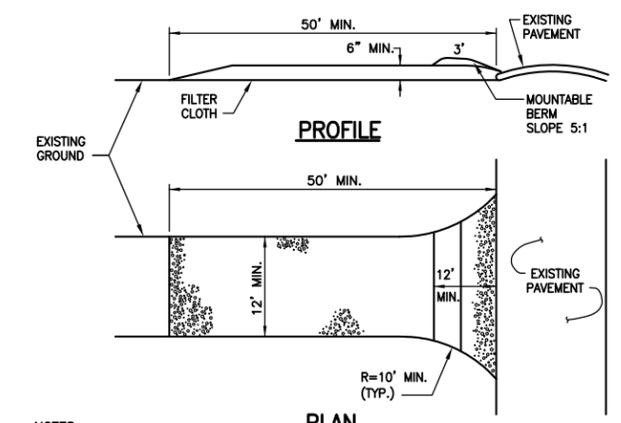
REVISED STORMWATER MANAGEMENT PLANS
2-7-11

MARK	DATE	DESCRIPTION
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DRAWN BY:	SRR	
FIELD CHECK:		
APPROVED:	WCN	

DETAILS

DRAWING NUMBER: C-7 UMP BS7

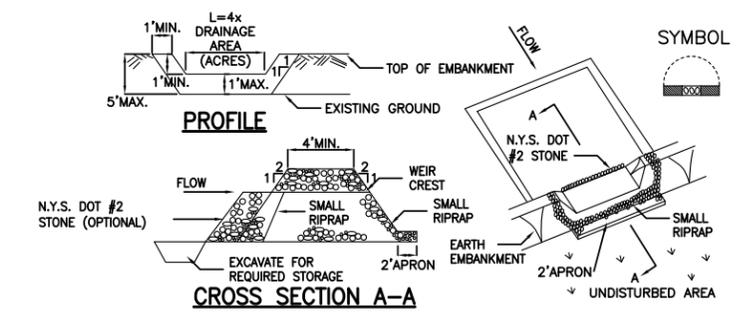
SHEET OF



- NOTES:
1. STABILIZED CONSTRUCTION ENTRANCE SHALL BE PLACED AT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS.
 2. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 3. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 4. FILTER FABRIC - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 5. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 7. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 8. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.
 9. AT THE CONCLUSION OF CONSTRUCTION, BEYOND WHICH LITTLE OR NO SEDIMENTS WILL BE TRACKED ONTO PUBLIC RIGHTS-OF-WAY, THE STABILIZED CONSTRUCTION ENTRANCE SHALL BE ABANDONED, AND IF NECESSARY, REMOVED.

6 STABILIZED CONSTRUCTION ENTRANCE

c7 NOT TO SCALE



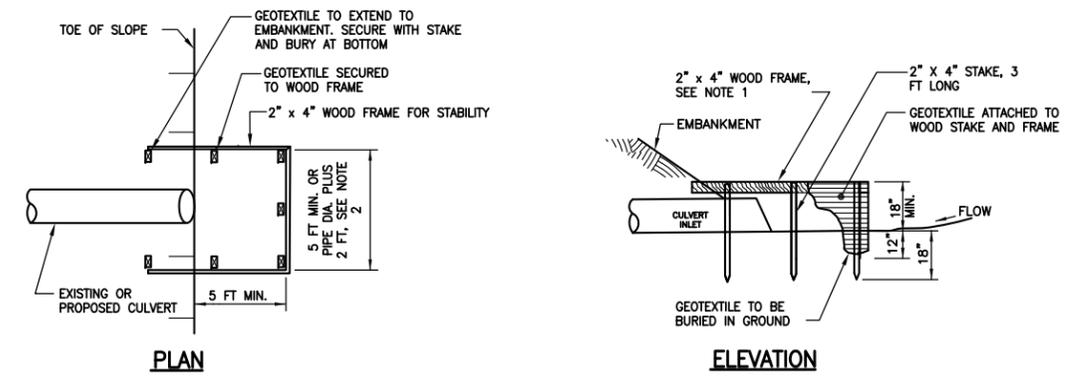
OPTION: A ONE FOOT LAYER OF N.Y.S. DOT #2 STONE MAY BE PLACED ON THE UPSTREAM SIDE OF THE RIPRAP IN PLACE OF THE EMBEDDED FILTER CLOTH.

CONSTRUCTION SPECIFICATIONS

1. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POOL AREA SHALL BE CLEARED.
2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
4. THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4"-8" ALONG WITH A 1" THICKNESS OF 2" AGGREGATE PLACED ON THE UP-GRADE SIDE ON THE SMALL RIPRAP OR EMBEDDED FILTER CLOTH IN THE RIPRAP.
5. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP.
6. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
7. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
8. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.
MAXIMUM DRAINAGE AREA 5 ACRES

7 STONE OUTLET SEDIMENT TRAP ST-IV

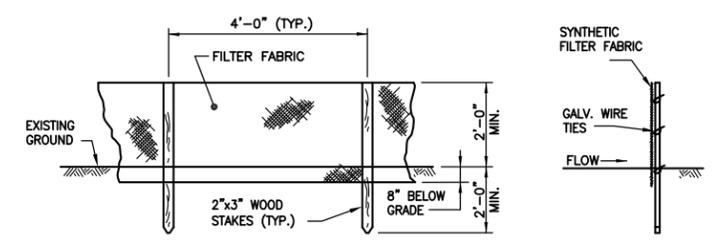
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- NOTES:
1. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE TOP OF THE STAKES OVER THE ATTACHED FABRIC FOR OVERFLOW STABILITY.
 2. SPACE STAKES EVENLY AROUND INLET TO A MAXIMUM OF 36" APART.

3 SILT FENCE FOR TEMPORARY SEDIMENT CONTROL AT CULVERT INLETS

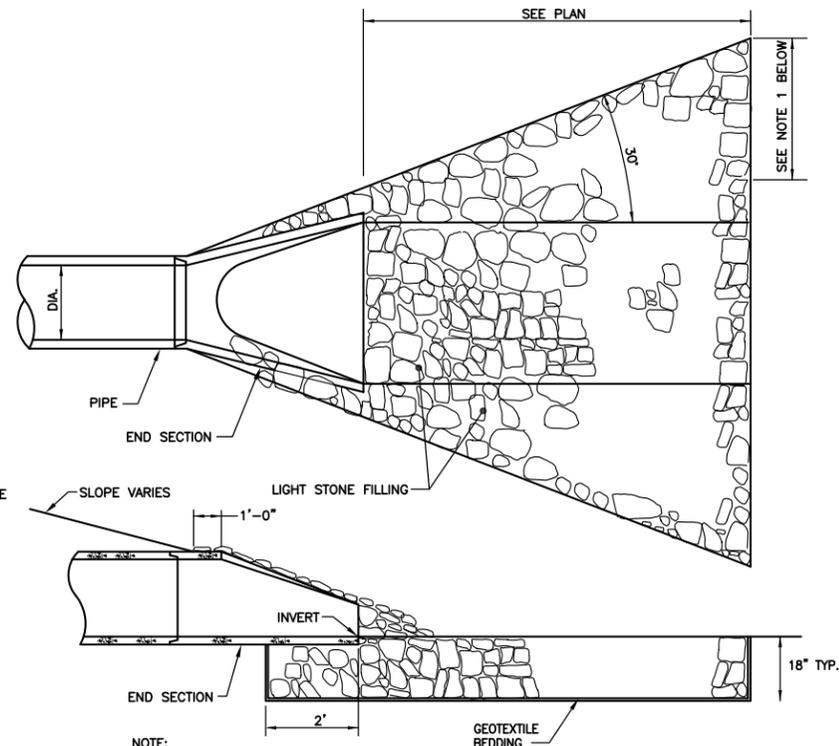
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- NOTES:
1. FENCE POSTS SHALL BE SPACED 4 FEET CENTER TO CENTER OR CLOSER. THEY SHALL EXTEND AT LEAST 2 FEET INTO THE GROUND. THEY SHALL EXTEND AT LEAST 2 FEET ABOVE GROUND.
 2. A FILTER FABRIC, RECOMMENDED FOR SUCH USE BY THE MANUFACTURER SHALL BE BURIED AT LEAST 8 INCHES DEEP IN THE GROUND. THE FILTER FABRIC SHALL EXTEND AT LEAST 2 FEET ABOVE GROUND.

4 SILT FENCE

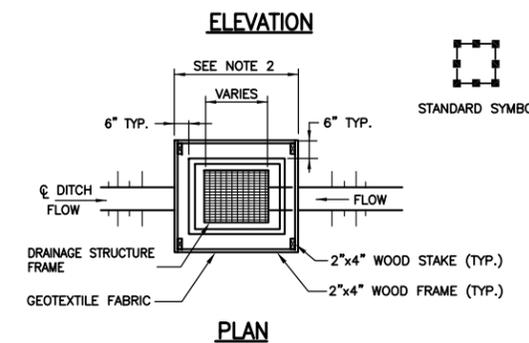
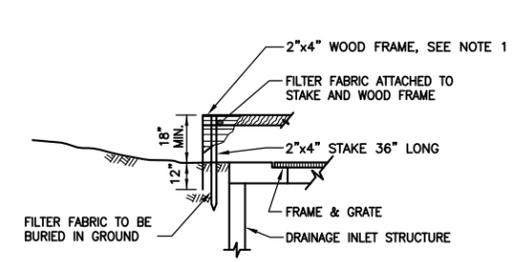
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- NOTE:
1. LATERAL APRON LIMITS SHOWN ABOVE ARE THE MAXIMUM LIMITS AND APPLY FOR A PIPE OUTLET INTO A WIDE OR SHALLOW CHANNEL. IN CASES WHERE THE CULVERT DISCHARGES INTO A NARROW WELL DEFINED CHANNEL THE APRON CAN BE DISCONTINUED AT THE TOP OF THE BANK CHANNEL, A.O.B.E.

5 OUTLET PROTECTION

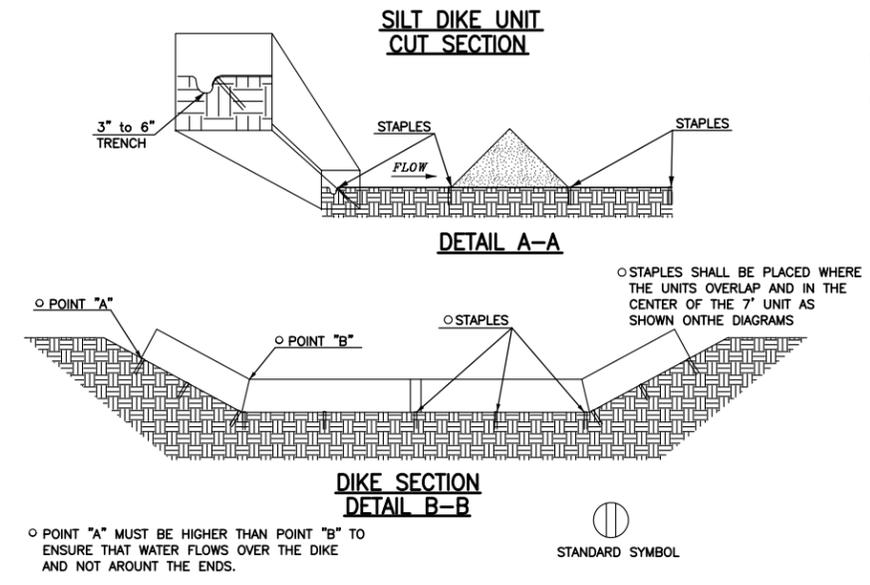
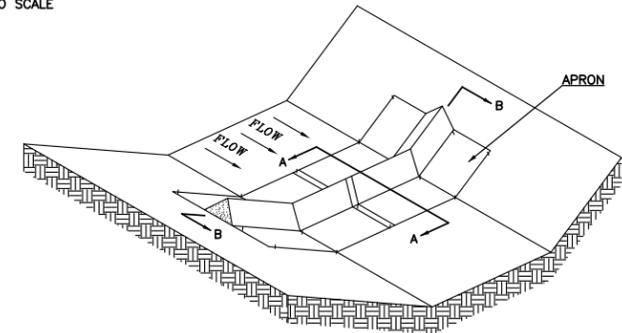
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- NOTES:
1. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE TOP OF THE STAKES OVER THE ATTACHED FABRIC FOR OVERFLOW STABILITY.
 2. SPACE STAKES EVENLY AROUND INLET MAXIMUM OF 3' SPACING AND DRIVE A MINIMUM 18" DEEP. SPANS GREATER THAN 3' MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
 3. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY SHALL BE OVERLAPPED TO THE NEXT SPLICE.

1 SILT FENCE FOR TEMPORARY SEDIMENT CONTROL AT DRAINAGE INLET STRUCTURES

c7 NOT TO SCALE



2 PRE-FAB TRIANGULAR SILT DIKE

c7 NOT TO SCALE