

The Contractor shall verify and be responsible for all dimensions. Do not scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Contractor is to be responsible for all dimensions shown on the drawing. Stantec is not responsible for any errors or omissions other than those specifically noted on this drawing.

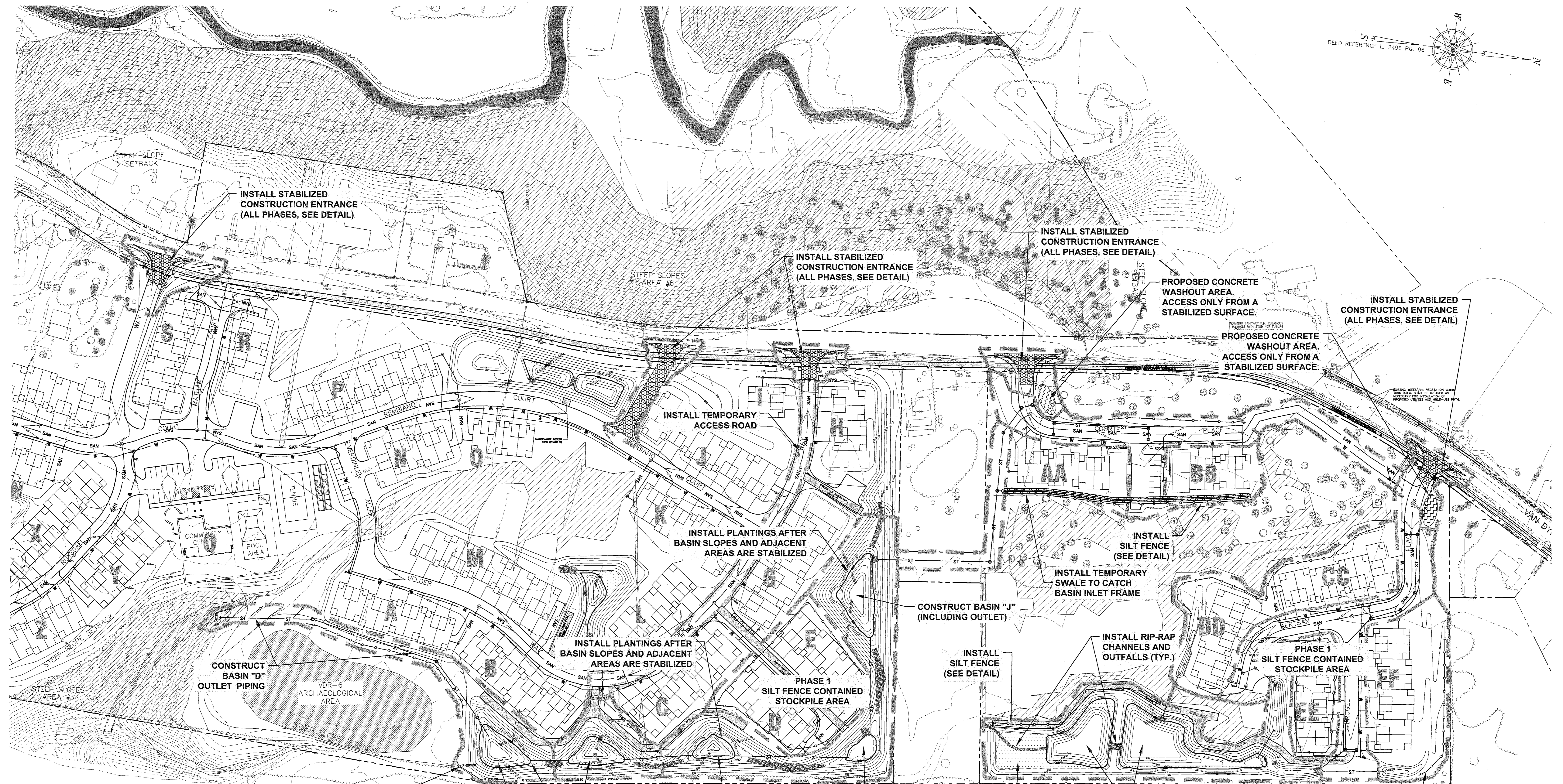
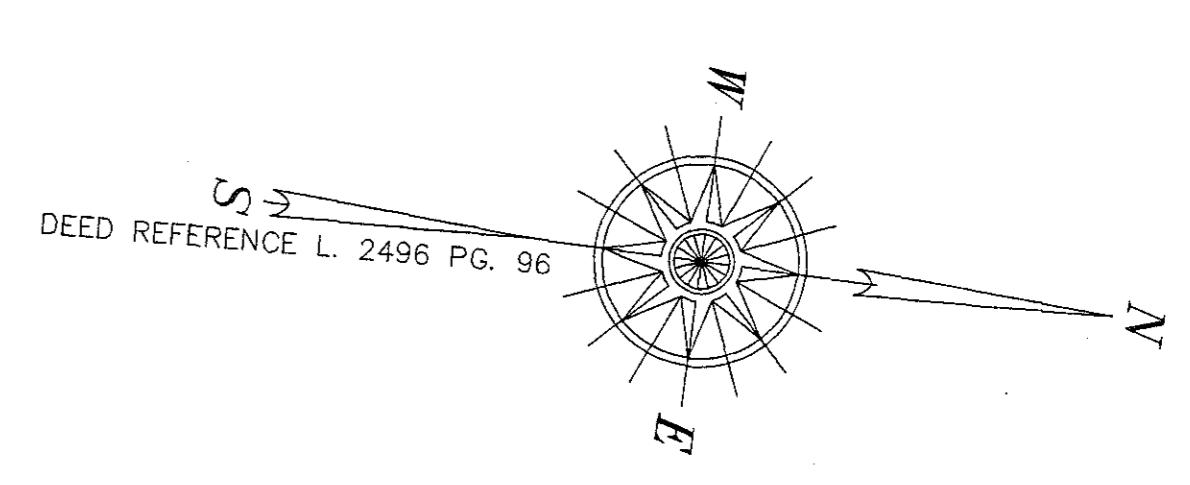
Unauthorized alteration of this drawing is prohibited. Any alteration shall be the responsibility of the preparer and shall be noted on the drawing. The preparer shall be considered to be the true and valid copy.

EROSION & SEDIMENT CONTROL PLAN - PHASE 1

VAN DYKE SPINNEY
 AT DELMAR, NEW YORK
 VAN DYKE ROAD
 TOWN OF BETHLEHEM, COUNTY OF ALBANY, STATE OF NEW YORK

DATE	REVISIONS
8/24/10	REVISED PER LAND CONSERVANCY MEETING
9/2/10	REVISED PER TOWN COMMENTS - RESUBMIT TO ENG. DEPT.
1/29/11	REVISED PER TOWN COMMENTS - RESUBMIT TO PLAN BOARD
2/23/11	REVISED PER TOWN COMMENTS - RESUBMIT TO PLAN BOARD
7/2/11	REVISED PER TOWN COMMENTS - RESUBMIT
10/20/11	REVISED PER LAND CONSERVANCY MEETING
9/17/11	REVISED PER TOWN COMMENTS - RESUBMIT
9/22/11	REVISED PER TOWN AND LANDSCAPE COMMENTS

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PHASE 1 (64 LOTS)

A. ESTABLISH A TEMPORARY STONE CONSTRUCTION ENTRANCE PER THE LATEST EDITION OF THE NEW YORK STATE STANDARDS AND SPECIFICATION FOR EROSION AND SEDIMENT CONTROL (BLUE BOOK), TO CAPTURE MUD AND DEBRIS FROM THE TIRES OF CONSTRUCTION VEHICLES (SEE CONSTRUCTION DETAILS). ALL CONSTRUCTION ENTRANCES OFF OF VAN DYKE ROAD ARE INSTALLED IN PHASE 1.

B. INSTALL TEMPORARY EROSION AND SEDIMENT CONTROLS, GENERALLY DESCRIBED AS:

1. INSTALLATION OF PERIMETER SEDIMENT CONTROL FENCE A MAXIMUM OF 5 FEET DOWN SLOPE OF AREAS TO BE DESTROYED.
2. EXCAVATE BASINS D, G (EAST OF GELDER WAY), H, I, J AND K TO PROPOSED CONTOURS OF FINISHED BMP'S, INSTALL OUTLET STRUCTURES AND INSTALL CONVEYANCE PIPING FROM NORTH SIDE OF SITE TO SOUTH SIDE OF SITE (BETWEEN COORTE COURT AND BASIN J).
3. INSTALL OUTLET STRUCTURES AND OUTLET PIPES.
4. CONSTRUCT PERIMETER SWALE BETWEEN BUILDING FF AND BASIN K. PLACE TEMPORARY ROCK CHECK DAMS PER NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
5. NOTIFY DESIGN ENGINEER FOR INSPECTION OF SEDIMENT BASINS/STORMWATER MANAGEMENT AREAS FOR APPROVAL BEFORE CONTINUING WITH EARTH DISTURBING ACTIVITIES.
6. STABILIZE SEDIMENT BASINS AND STORMWATER MANAGEMENT AREAS WITH SEED AND MULCH PER NEW YORK STATE STANDARDS AND SPECIFICATION FOR EROSION AND SEDIMENT CONTROL AND CONSTRUCTION PLANS (SEE CONSTRUCTION DETAILS).
7. STABILIZE STOCKPILE AREAS WITH SEED AND MULCH.

C. ESTABLISH ROADWAY CORRIDORS:

1. CONSTRUCT TEMPORARY MATERIAL STORAGE AND SOIL STOCKPILE AREAS.
2. CLEAR TREES AND BRUSH FROM WITHIN THE PROPOSED UTILITY CORRIDOR. SLOPE UTILITY CORRIDOR TOWARDS ROAD BED. INSTALL ANY RETAINING WALLS/SWALE CROSSINGS, ETC. FOR AN UNINTERRUPTED FLOW CHANNEL.
3. STRIP TOPSOIL AND BOX OUT ROADWAY AND UTILITY CORRIDOR. SLOPE UTILITY CORRIDOR TOWARDS ROAD BED. INSTALL ANY RETAINING WALLS/SWALE CROSSINGS, ETC. FOR AN UNINTERRUPTED FLOW CHANNEL.
4. STABILIZE TOPSOIL STOCKPILE AREAS WITH SEED AND MULCH.
5. INSTALL BURIED UTILITIES (STORMWATER, SANITARY SEWER, WATER, WATER LATERALS UNDER FUTURE ROAD).
6. INSTALL ROADWAY GEL-TYPE, SUB-BASE, AND ASPHALT FINISH COURSE. REMOVE TEMPORARY PIPE/SWALE CROSSINGS AND ROCK CHECK DAMS. REMOVE/GRADE TEMPORARY DRAINAGE SWALE AND STABILIZE WITH SEED AND MULCH.
7. STABILIZE UTILITY CORRIDOR WITH SEED AND MULCH.
8. CLEAN, RE-GRADE AND STABILIZE STORMWATER PRACTICES. INSTALL PLANTS AS SPECIFIED PER DETAIL SHEET.

D. LOT BUILD-OUT:

1. CONTRACTOR IS TO COORDINATE WITH THE OWNER TO DETERMINE WHAT, IF ANY, VEGETATION/TREES ARE TO REMAIN. FENCING SHALL BE UTILIZED TO PROTECT DESIRED VEGETATION.
2. STAKEOUT/SURVEY PROPOSED BUILDING LOCATION.
3. PLACE TEMPORARY EROSION AND SEDIMENT CONTROL FOR BUILDINGS AS NEEDED. INSTALL CATCH BASIN BLOCK AND STONE INLET PROTECTION AT CATCH BASINS LOCATED DOWN GRADIENT OF DISTURBANCES.
4. CONSTRUCT TEMPORARY MATERIAL AND SOIL STOCKPILE AREAS.
5. CONSTRUCT AND IDENTIFY CONCRETE WASHOUT. AS CONCRETE IS DELIVERED AND PLACED ON SITE, A CENTRALLY LOCATED CONCRETE WASHOUT AREA APPROXIMATELY 15-FOOT SQUARE AND 2.5-FOOT DEEP SHALL BE PROVIDED. THIS WASHOUT AREA SHALL BE ENCLOSED BY SILT FENCE, LOCATED NEXT TO A PAVED ROAD AND SITUATED A MINIMUM OF 50-FEET FROM A WATERCOURSE. IF REQUIRED, TEMPORARY DIVERSION DICES SHALL BE INSTALLED AROUND WASHOUT AREA TO PREVENT STORMWATER FROM ENTERING WASHOUT LOCATION.
6. LOCATE FOR HOUSING FOUNDATIONS AND STABILIZE STOCKPILES.
7. POUR FOUNDATIONS.
8. BACKFILL AND ESTABLISH ROUGH GRADES.
9. INSTALL DRIVEWAY SUB-BASE (USE AS ACCESS FOR BUILDERS).
10. PLACE CURB ALONG ROAD, 15' WIDE AND STABILIZE ALL AREAS THAT WILL NOT SEE SOIL DISTURBING ACTIVITY FOR 14 FOURTEEN (14) DAYS.
11. BUILD FRAMING AND EXTERIOR SHELL, INCLUDING SIDING, ROOF AND SHINGLES.
12. COMPLETE BUILDING INTERIORS.
13. TOPSOIL, FINISH GRADE AND SEED.
14. PAVE DRIVEWAY.
15. REMOVE TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES ONCE PERMANENT STABILIZATION HAS BEEN ACHIEVED.

INSTALL SILT FENCE (SEE DETAIL)

CONSTRUCT BASIN "D" (INCLUDING OUTLET STRUCTURE)

INSTALL PLANTINGS AFTER BASIN SLOPES AND ADJACENT AREAS ARE STABILIZED

CONSTRUCT BASIN "G" (INCLUDING OUTLET)

CONSTRUCT BASIN "H" (INCLUDING OUTLET)

CONSTRUCT BASIN "I" (INCLUDING OUTLET)

INSTALL PLANTINGS AFTER BASIN SLOPES AND ADJACENT AREAS ARE STABILIZED

CONSTRUCT BASIN "J" (INCLUDING OUTLET)

INSTALL SILT FENCE (SEE DETAIL)

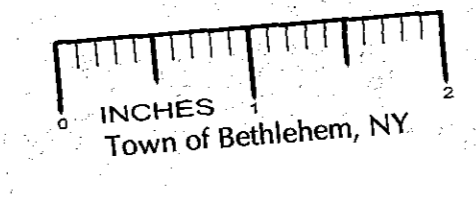
INSTALL TEMPORARY SWALE TO CATCH BASIN INLET FRAME

INSTALL SILT FENCE (SEE DETAIL)

INSTALL RIP-RAP CHANNELS AND OUTFALLS (TYP.)

CONSTRUCT BASIN "K" (INCLUDING OUTFALLS)

INSTALL SILT FENCE (SEE DETAIL)



NOTES:

1. PHASES 2 THRU 8 ARE SHOWN TO GIVE AN OVERALL PLAN OF DEVELOPMENT. MUNICIPAL APPROVAL IS SOUGHT FOR PHASE 1 AT THIS TIME.
2. NO MORE THAN 5 ACRES MAY BE DISTURBED AT ANY TIME.
3. ALL FEDERAL WETLAND BOUNDARIES WITHIN 50' OF ANY PROPOSED SOIL DISTURBANCE MUST BE FLAGGED PRIOR TO CONSTRUCTION ACTIVITY AND ORANGE CONSTRUCTION FENCE INSTALLED ALONG THESE BOUNDARIES.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION [Signature]	NEW YORK STATE DEPARTMENT OF HEALTH [Signature]	TOWN OF BETHLEHEM TOWN OF BETHLEHEM ALBANY COUNTY, NEW YORK This Site Plan Approved: [Signature] Title: [Signature]	ALBANY COUNTY HEALTH DEPARTMENT ALBANY COUNTY DEPARTMENT OF HEALTH DIVISION OF ENVIRONMENTAL HEALTH SERVICE By direction of the Commissioner of Health, these plans are hereby approved. See next sheet for date and signature.
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9