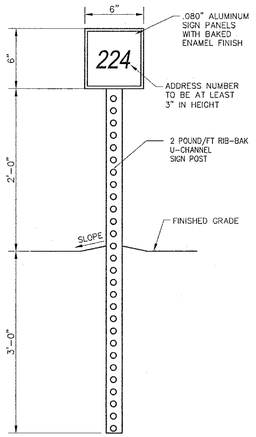

ADDRESS SIGN DETAIL

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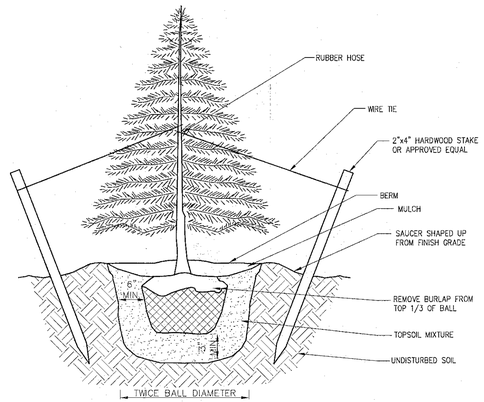
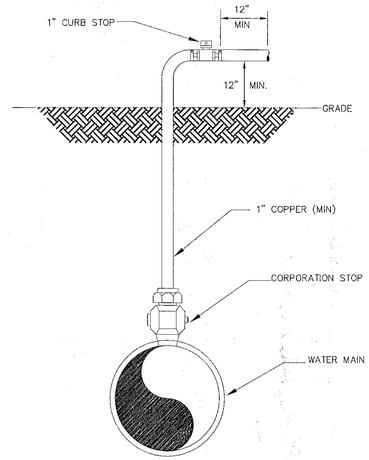


TYPICAL CONIFER PLANTING

N.T.S.



INVERT CHANNEL AND BENCHWALL

N.T.S.

CONSTRUCTION SPECIFICATIONS

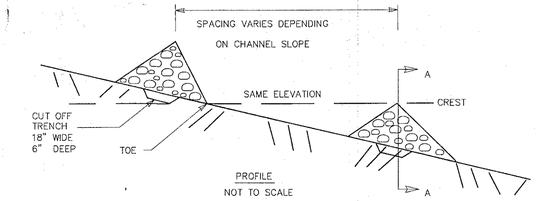
1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.

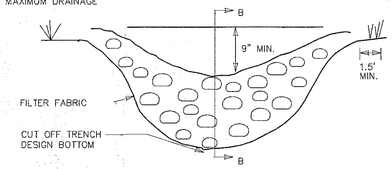
2. SET SPACING OF CHECK DAMS TO ASSURE THAT THE ELEVATION OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.

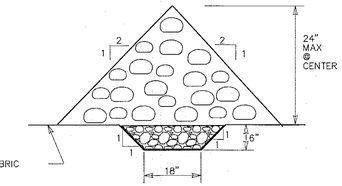
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.

4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.

5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES. MAXIMUM DRAINAGE AREA 2 ACRES.

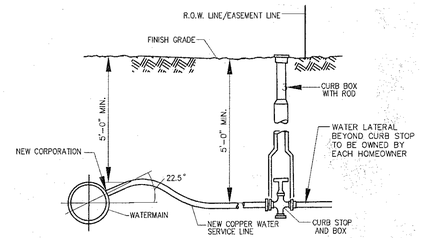






GRAVEL CHECK DAM DETAIL

N.T.S.

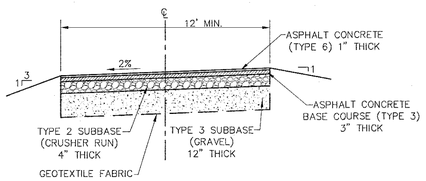


NOTES:

1. TYPE K VIRGIN COPPER-ASTM SPEC. 888 (LATEST REVISION) ANDAWWA C-800.

WATER SERVICE INSTALLATION DETAIL

N.T.S.



DRIVEWAY CROSS SECTION

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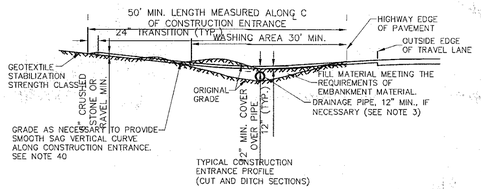


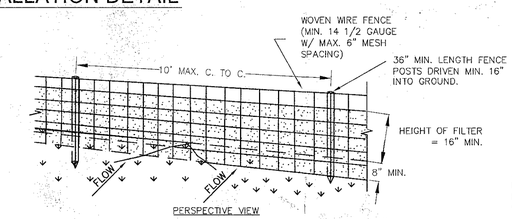
TYPICAL CONSTRUCTION ENTRANCE PROFILE (CUT AND DITCH SECTIONS)

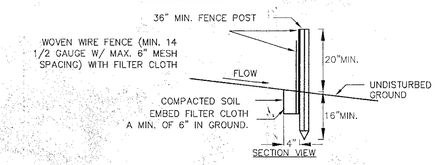
APPLICATION NOTES:

A. THE PRUPOSE OF A STABILIZED CONSTRUCTION ENTRANCE IS TO REDUCE OR ELIMINATE THE TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS OF WAY OR STREETS.

NOTES:

1. MODIFICATIONS MAY BE REQUIRED TO MATCH FIELD CONDITIONS.
2. A 30' WASH AREA SHALL BE PROVIDED. ADDITIONAL GRADING MAY BE REQUIRED TO PROVIDE WASHING AREAS.
3. PROPOSED DRAINAGE PIPES SHALL BE SIZED WITH SUFFICIENT CAPACITY TO CARRY DITCH FLOWS (12" MIN). ALTERNATIVE WAYS OF TRANSPORTING DITCH DRAINAGE ACROSS CONSTRUCTION ENTRANCES MAY BE PROPOSED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER.
4. THE CONTRACTOR SHALL GRADE TO PREPARE AND SMOOTH ORIGINAL GROUND FOR PLACEMENT OF 6" OF #3 CRUSHED STONE OR GRAVEL ENTRANCE MATERIAL UP TO THE EDGE OF PAVEMENT.
5. DRAINAGE PIPES OVER 20" DIA. THAT ARE NOT BEHIND ROADSIDE BARRIER SHALL INCLUDE SAFETY END SECTIONS OR GRATING TO ENSURE TRAVERSABILITY.
6. LAYOUT DRIVEWAY OPENINGS PER TAPER METHOD OF LAYOUT FOR A MINOR COMMERCIAL DRIVEWAY ON STANDARD SHEET TITLED "DRIVEWAY ENTRANCE LAYOUT"
7. DETERMINE DRIVEWAY WIDTH "N" FROM THE MINOR COMMERCIAL DRIVEWAY CLASSIFICATION OF TABLE 1 ON STANDARD SHEET TITLED "DRIVEWAY DESIGN GUIDELINES".
8. PERIODIC MAINTENANCE MAY BE REQUIRED AND COST OF THIS MAINTENANCE WILL BE INCLUDED IN THE UNIT PRICE BID.





1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.

2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.

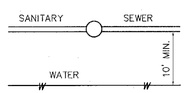
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X,MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.

4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.

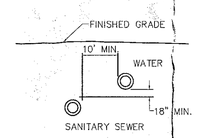
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE DETAIL

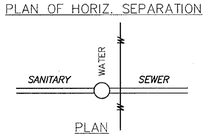
N.T.S.



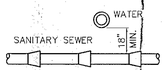
PLAN OF HORIZ. SEPARATION



SECTION OF VERTICAL SEPARATION



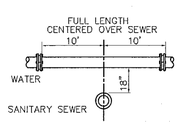
PLAN

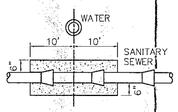


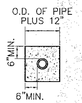
SECTION

WHEN CLEARANCE CAN NOT BE OBTAINED, WATER MAIN SHALL BE EITHER RAISED TO PROVIDE 18" CLEARANCE, OR RECONSTRUCTED WITH M.J. PIPE 10' ON EACH SIDE OF SEWER.

WHEREVER REQUIRED VERTICAL CLEARANCE CAN NOT BE OBTAINED, THE SANITARY SEWER SHALL BE ENCASED IN CONCRETE FOR A DISTANCE OF 10' BOTH SIDES OF THE INTERSECTION WITH THE WATER MAIN AS INSTRUCTED BY THE ENGINEER.

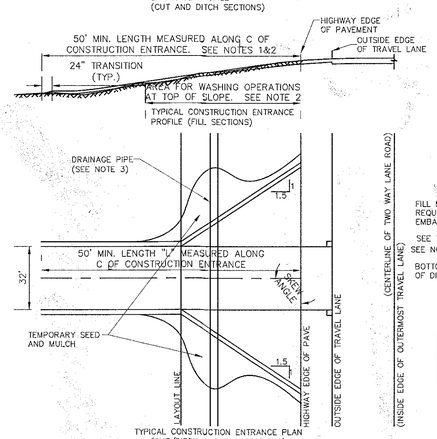


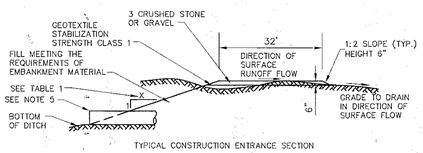




WATER AND SANITARY SEWER CROSSING

N.T.S.



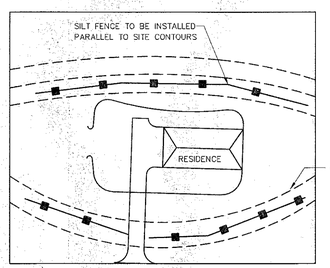


TYPICAL CONSTRUCTION ENTRANCE SECTION

TABLE 1	
X	HIGHWAY SPEED CONDITION
2	ALL SPEEDS - PROTECTED BY BARRIER
3	< 50 MPH
6	> 50 MPH

CONSTRUCTION ENTRANCES - PER NYSDOT 209-05

N.T.S.



GENERAL NOTES:

BUILDER(S) RESPONSIBLE FOR REMOVAL OF ANY EXCESS FILL.

BUILDER(S) MUST IMMEDIATELY SWEEP ALL MATERIAL TRACKED ON TO ROADWAYS.

BUILDER(S) TO STABILIZE ANY TOPSOIL OR FILL PILES.

CONSTRUCTION VEHICLES ARE TO ACCESS LOT FROM PRIVATE ALLEY.

BUILDER(S) TO STABILIZE LOT IN COMPLIANCE WITH "SPDES GENERAL PERMIT FOR STORMWATER RUNOFF FROM CONSTRUCTION ACTIVITY, GP-0-08-001"

ALL WORK SHALL CONFORM TO "NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL"

TYPICAL SINGLE FAMILY EROSION CONTROL DETAIL

N.T.S.

TOWN OF BETHLEHEM, NEW YORK
PLANNING DEPT. ORIGINAL
- SCANNED -
0 1 INCHES 2

ALBANY COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH SERVICES
By direction of the Commissioner of Health, these plans are hereby approved. See first sheet for date and signature.

TOWN OF BETHLEHEM PLANNING BOARD

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
By direction of the Chairman,
These drawings are hereby approved.
See sheet(s) 1-3
for date and signature.

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UNAUTHORIZED
DUPLICATION IS A
VIOLATION OF
APPLICABLE LAWS.

DATE	REVISIONS	BY
3/18/08	UPDATED PER COMMENTS FROM ROBERT LESLIE OF BETHLEHEM (3/17/08)	
12/4/08	UPDATED BORDER TO WSP-SELLS	
12/15/08	ADDED INVERT INFO ON STORM PIPE, UFPO NOTE, CURB STOPS, AND REGRADED AROUND OUTLET.	
2/05/09	ADDED CLARIFICATION TO TOTAL LOT ACREAGE AND FLAG LOT ACREAGE	
4/23/09	ADDED COLUMN TO ZONING REQUIREMENTS CHART, REVISED VALUES AS NECESSARY	
4/27/09	ADDED/REVISED DIMENSIONS BETWEEN PROPERTY LINES AND STRUCTURES	
4/27/09	ADDED/REVISED DIMENSIONS BETWEEN PROPERTY LINES AND STRUCTURES	
7/15/09	ADDED WETLAND BOUNDARIES FROM SURVEY	
4/16/14	REVISED PLANS PER TOWN OF BETHLEHEM COMMENT LETTER 2/11/14 AND 4/8/14	
1/28/15	REVISED PLANS PER TOWN OF BETHLEHEM COMMENT LETTER 5/21/14	
3/18/15	REVISED PLANS PER TOWN OF BETHLEHEM COMMENT LETTER 3/3/15 AND 3/18/15	
4/24/15	REVISED PLANS PER TOWN OF BETHLEHEM PLANNING BOARD COMMENTS	

WSP
Transportation & Infrastructure
1 Columbia Circle ▪ Albany, NY 12203 ▪ 518.452.3545
www.wspsells.com

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STATE OF NEW YORK · CHAS. H. SELLS · LICENSED PROFESSIONAL ENGINEER · NO. 070

CHAS. H. SELLS

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DETAILS

CROSSROADS SUBDIVISION - SECTION 3

TATE FAMILY LIMITED PARTNERSHIP
WEMPLE ROAD * TOWN OF BETHLEHEM * NEW YORK
TAX MAP ID: 109.00 - 1 - 36

Date: DECEMBER 4, 2008 | Scale: NTS | Cadd: FINAL.DWG

Sheet:

D-1