

# HILLSIDE COMMONS STUDENT HOUSING PRELIMINARY SITE PLAN

## BLODGETT DRIVE



CITY OF ONEONTA

COUNTY OF OTSEGO

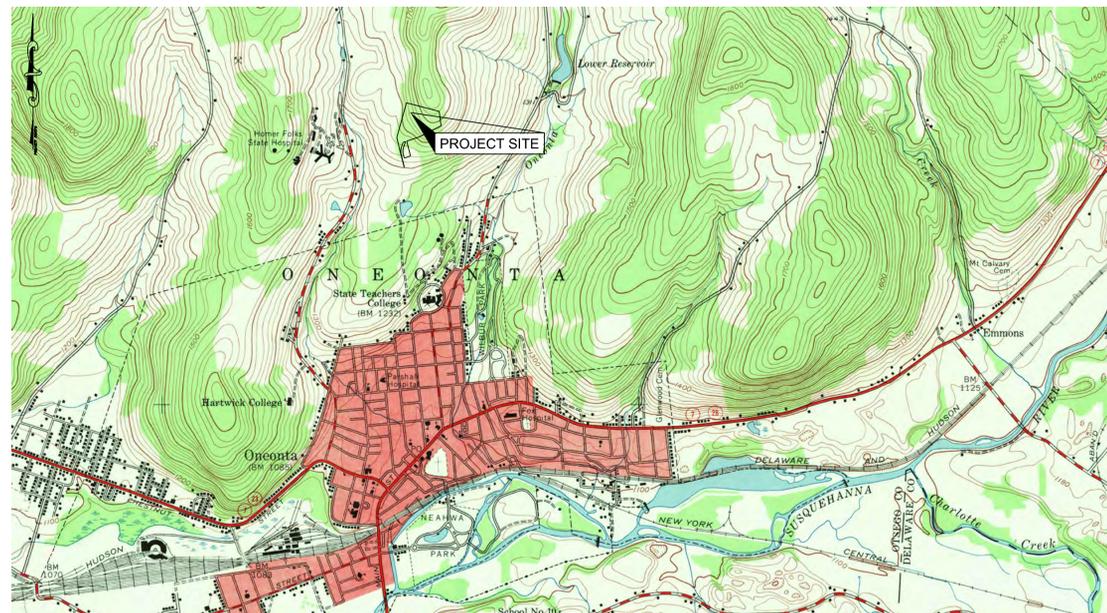
STATE OF NEW YORK

### OWNER

NEWMAN DEVELOPMENT GROUP, LLC  
300 PLAZA DRIVE  
VESTAL, NEW YORK 13851  
(607) 770-0155

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LOCATION MAP  
NOT TO SCALE

### DRAWINGS PREPARED BY

  
**KEYSTONE  
ASSOCIATES**  
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Binghamton, New York 13901  
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PROJECT NO. 200.26412

FEBRUARY 20, 2013  
REVISED APRIL 12, 2013  
REVISED APRIL 26, 2013



**NOTES**

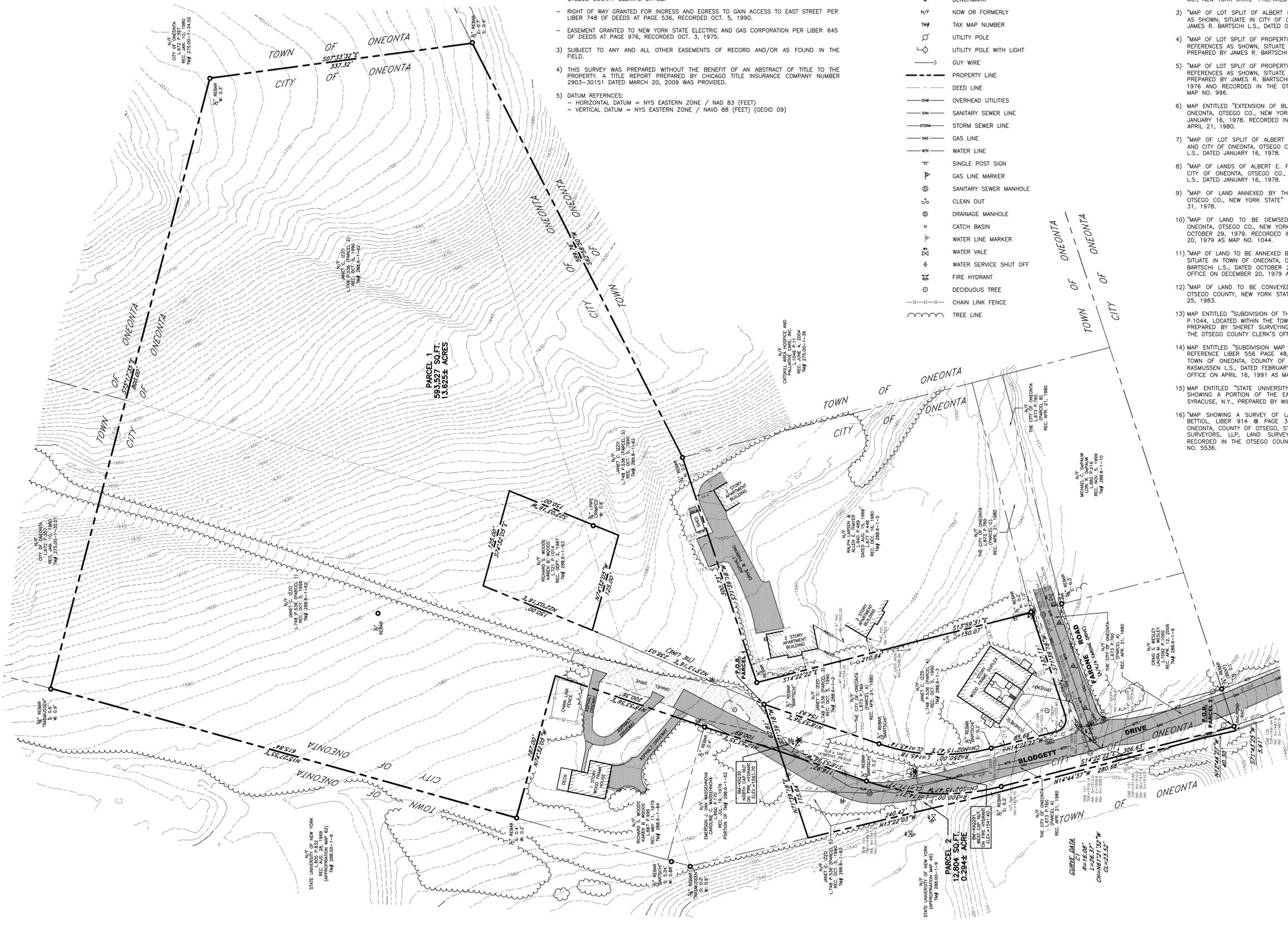
- 1) PREMISES SOURCE OF TITLE BEING L.748 P.536, RECORDED IN THE OTSEGO COUNTY CLERK'S OFFICE OCT. 5, 1990, BEING TAX MAP NUMBERS 288.6-1-2, 3 & 62.
- 2) SUBJECT TO THE FOLLOWING EASEMENTS AND/OR RIGHT OF WAYS AS RECORDED IN THE OTSEGO COUNTY CLERK'S OFFICE:
  - RIGHT OF WAY GRANTED FOR INGRESS AND EGRESS TO GAIN ACCESS TO EAST STREET PER LIBER 748 OF DEEDS AT PAGE 536, RECORDED OCT. 5, 1990.
  - EASEMENT GRANTED TO NEW YORK STATE ELECTRIC AND GAS CORPORATION PER LIBER 645 OF DEEDS AT PAGE 976, RECORDED OCT. 3, 1975.
- 3) SUBJECT TO ANY AND ALL OTHER EASEMENTS OF RECORD AND/OR AS FOUND IN THE FIELD.
- 4) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OF TITLE TO THE PROPERTY. A TITLE REPORT PREPARED BY CHICAGO TITLE INSURANCE COMPANY NUMBER 2903-30151 DATED MARCH 20, 2009 WAS PROVIDED.
- 5) DATUM REFERENCES:
  - HORIZONTAL DATUM = NYS EASTERN ZONE / NAD 83 (FEET)
  - VERTICAL DATUM = NYS EASTERN ZONE / NAVD 88 (FEET) (GEOID 09)

**LEGEND**

- MONUMENT FOUND AND NOTED
- ◆ BENCHMARK
- N/F NOW OR FORMERLY
- T/MF TAX MAP NUMBER
- UTILITY POLE
- UTILITY POLE WITH LIGHT
- GUY WIRE
- PROPERTY LINE
- DEED LINE
- OVERHEAD UTILITIES
- SANITARY SEWER LINE
- STORM SEWER LINE
- GAS LINE
- WATER LINE
- ♣ SINGLE POST SIGN
- GAS LINE MARKER
- SANITARY SEWER MANHOLE
- CLEAN OUT
- DRAINAGE MANHOLE
- CATCH BASIN
- WATER LINE MARKER
- WATER VALE
- WATER SERVICE SHUT OFF
- FIRE HYDRANT
- DECIDUOUS TREE
- CHAIN LINK FENCE
- TREE LINE

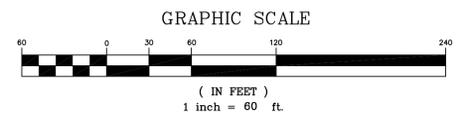
**REFERENCE DATA**

- 1) MAP ENTITLED "STATE UNIVERSITY OF NEW YORK, STATE UNIVERSITY COLLEGE AT ONEONTA, OTSEGO COUNTY, MAP NO. 62" PREPARED BY LEON KALMUS, L.S., DATED APRIL 7, 1969, RECORDED IN THE OTSEGO COUNTY CLERK'S OFFICE IN L.605 P.832, AUGUST 28, 1969.
- 2) MAP ENTITLED "EXTENSION OF BLODGETT DRIVE, SITUATE IN CITY OF ONEONTA, OTSEGO CO., NEW YORK STATE" PREPARED BY JAMES R. BARTSCHI L.S., DATED OCTOBER 7, 1975.
- 3) "MAP OF LOT SPLIT OF ALBERT E. FARONE AND ANGELA T. FARONE, DEED REFERENCES AS SHOWN, SITUATE IN TOWN OF ONEONTA, OTSEGO CO., NEW YORK STATE" PREPARED BY JAMES R. BARTSCHI L.S., DATED OCTOBER 7, 1975.
- 4) "MAP OF LOT SPLIT OF PROPERTY OF ALBERT E. FARONE AND ANGELA T. FARONE, DEED REFERENCES AS SHOWN, SITUATE IN TOWN OF ONEONTA, OTSEGO CO., NEW YORK STATE" PREPARED BY JAMES R. BARTSCHI L.S., DATED OCTOBER 7, 1975.
- 5) "MAP OF LOT SPLIT OF PROPERTY OF ALBERT E. FARONE AND ANGELA T. FARONE, DEED REFERENCES AS SHOWN, SITUATE IN TOWN OF ONEONTA, OTSEGO CO., NEW YORK STATE" PREPARED BY JAMES R. BARTSCHI L.S., DATED OCTOBER 7, 1975 AND REVISED JULY 13, 1976 AND RECORDED IN THE OTSEGO COUNTY CLERK'S OFFICE ON MAY 11, 1976 AS MAP NO. 996.
- 6) MAP ENTITLED "EXTENSION OF BLODGETT DRIVE AND FARONE DRIVE, SITUATE IN CITY OF ONEONTA, OTSEGO CO., NEW YORK STATE" PREPARED BY JAMES R. BARTSCHI L.S., DATED JANUARY 16, 1978, RECORDED IN THE OTSEGO COUNTY CLERK'S OFFICE IN L.673 P.760, APRIL 21, 1980.
- 7) "MAP OF LOT SPLIT OF ALBERT E. FARONE AND ANGELA T. FARONE, SITUATE IN TOWN AND CITY OF ONEONTA, OTSEGO CO., NEW YORK STATE" PREPARED BY JAMES R. BARTSCHI L.S., DATED JANUARY 16, 1978.
- 8) "MAP OF LANDS OF ALBERT E. FARONE AND ANGELA T. FARONE, SITUATE IN TOWN AND CITY OF ONEONTA, OTSEGO CO., NEW YORK STATE" PREPARED BY JAMES R. BARTSCHI L.S., DATED JANUARY 16, 1978.
- 9) "MAP OF LAND ANNEXED BY THE CITY OF ONEONTA, SITUATE IN TOWN OF ONEONTA, OTSEGO CO., NEW YORK STATE" PREPARED BY JAMES R. BARTSCHI L.S., DATED AUGUST 31, 1978.
- 10) "MAP OF LAND TO BE DEMISED BY THE TOWN OF ONEONTA, SITUATE IN TOWN OF ONEONTA, OTSEGO CO., NEW YORK STATE" PREPARED BY JAMES R. BARTSCHI L.S., DATED OCTOBER 29, 1979, RECORDED IN THE OTSEGO COUNTY CLERK'S OFFICE ON DECEMBER 20, 1979 AS MAP NO. 1044.
- 11) "MAP OF LAND TO BE ANNEXED BY THE CITY OF ONEONTA FROM THE TOWN OF ONEONTA, SITUATE IN TOWN OF ONEONTA, OTSEGO CO., NEW YORK STATE" PREPARED BY JAMES R. BARTSCHI L.S., DATED OCTOBER 29, 1979, RECORDED IN THE OTSEGO COUNTY CLERK'S OFFICE ON DECEMBER 20, 1979 AS MAP NO. 1045.
- 12) "MAP OF LAND TO BE CONVEYED TO LYNN PARSONS, SITUATE IN TOWN OF ONEONTA, OTSEGO COUNTY, NEW YORK STATE" PREPARED BY JAMES R. BARTSCHI L.S., DATED MAY 25, 1983.
- 13) MAP ENTITLED "SUBDIVISION OF THE LANDS OF KENNETH D. HUNT & LENA K. HUNT L.621 P.1044, LOCATED WITHIN THE TOWN OF ONEONTA, OTSEGO COUNTY, STATE OF NEW YORK" PREPARED BY SHERET SURVEYING & ENGINEERING DATED JANUARY 1988, RECORDED IN THE OTSEGO COUNTY CLERK'S OFFICE JANUARY 1988 AS MAP NO. 2106.
- 14) MAP ENTITLED "SUBDIVISION MAP DIVISION OF PREMISES OF CAROLYN A. COLLINS, DEED REFERENCE LIBER 556 PAGE 48, TAX MAP REFERENCE 275.00-1-12, SITUATE IN THE TOWN OF ONEONTA, COUNTY OF OTSEGO, STATE OF NEW YORK" PREPARED BY WILLIAM RASMUSSEN L.S., DATED FEBRUARY 5, 1991, RECORDED IN THE OTSEGO COUNTY CLERK'S OFFICE ON APRIL 16, 1991 AS MAP NO. 2876(1) AND 2876(2).
- 15) MAP ENTITLED "STATE UNIVERSITY COLLEGE AT ONEONTA, ONEONTA, N.Y., SURVEY MAP SHOWING A PORTION OF THE EAST BOUNDARY, PREPARED FOR KOTZ AND ASSOCIATES SYRACUSE, N.Y., PREPARED BY WILLIAM RASMUSSEN P.L.S." DATED MAY 19, 1998
- 16) "MAP SHOWING A SURVEY OF LANDS OF EUGENE A. BETTIOL, SR. AND ELIZABETH A. BETTIOL, LIBER 914 @ PAGE 306, LIBER 922 @ PAGE 231, SITUATE IN TOWN OF ONEONTA, COUNTY OF OTSEGO, STATE OF NEW YORK" PREPARED BY KAATSKILL MOUNTAIN SURVEYORS, LLP, LAND SURVEYORS & GPS SPECIALISTS, DATED JUNE 20, 2001, RECORDED IN THE OTSEGO COUNTY CLERK'S OFFICE ON SEPTEMBER 15, 2005 AS MAP NO. 5536.



THE USER OF THIS MAP IS CAUTIONED THAT THE UNDERGROUND UTILITY LOCATIONS ARE NOT GUARANTEED, NOR IS THERE ANY GUARANTEE THAT ALL EXISTING UTILITIES WHETHER FUNCTIONAL OR ABANDONED WITHIN THE PROJECT AREA ARE SHOWN ON THIS DRAWING.

THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES BEFORE STARTING WORK & SHALL BE RESPONSIBLE FOR ALL DAMAGE RESULTING FROM HIS WORK. CONTRACTOR SHALL NOTIFY DIG SAFELY NY (FORMERLY UFPO) 1-800-962-7962 IN ACCORDANCE WITH 16 NYCRR PART 753.



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**HILLSIDE COMMONS**  
**STUDENT HOUSING**  
CITY OF ONEONTA  
OTSEGO COUNTY, NY

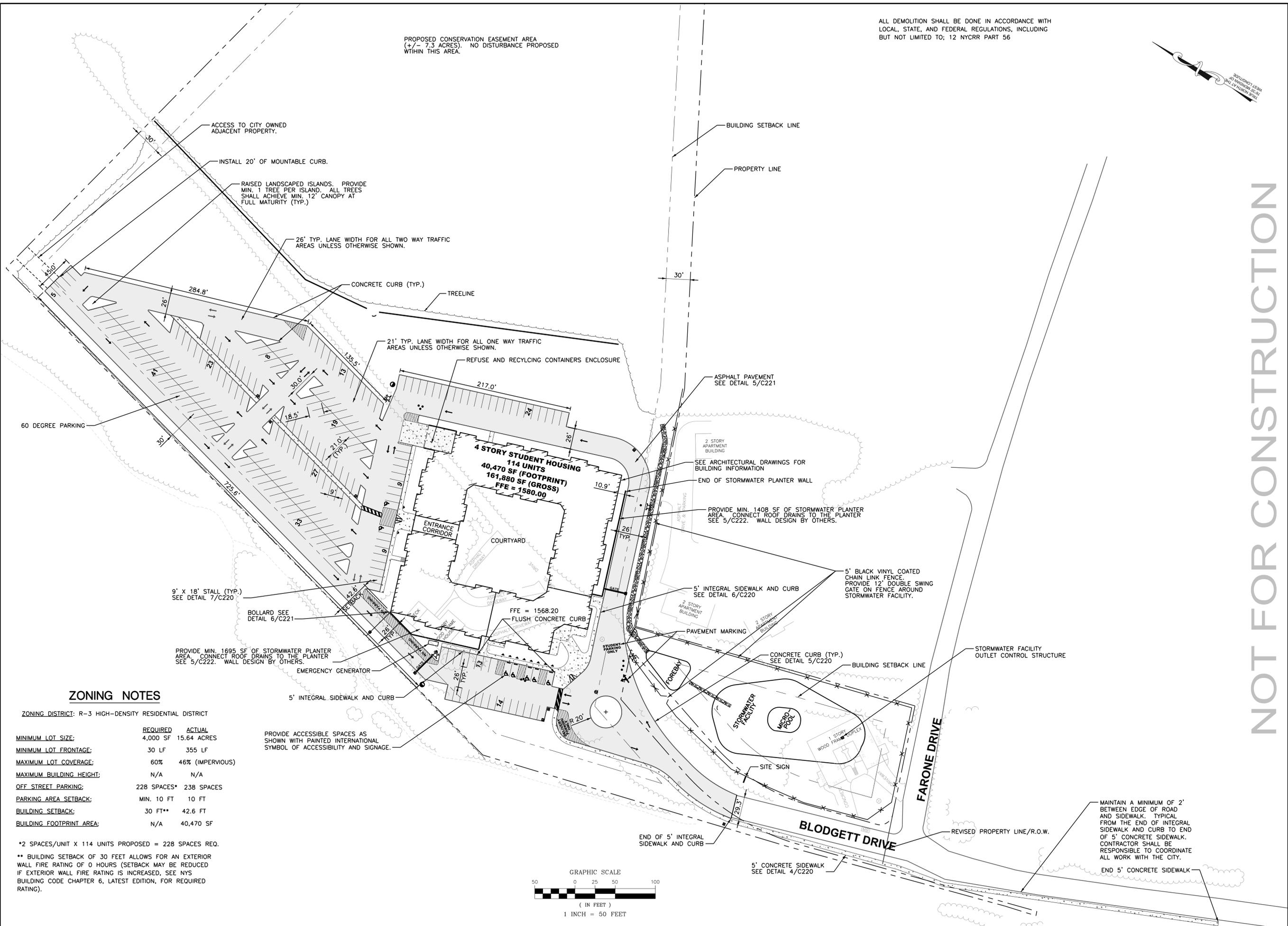
**EXISTING SITE CONDITIONS**

SHEET NO.  
**ESC-1**  
PROJECT NO.  
200.26412  
DATE: 02/22/13  
CAD FILE NO.: EYSREC.DWG



PROPOSED CONSERVATION EASEMENT AREA  
(+/- 7.3 ACRES). NO DISTURBANCE PROPOSED  
WITHIN THIS AREA.

ALL DEMOLITION SHALL BE DONE IN ACCORDANCE WITH  
LOCAL, STATE, AND FEDERAL REGULATIONS, INCLUDING  
BUT NOT LIMITED TO; 12 NYCRR PART 56



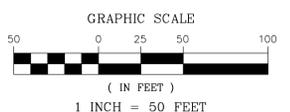
**ZONING NOTES**

ZONING DISTRICT: R-3 HIGH-DENSITY RESIDENTIAL DISTRICT

	REQUIRED	ACTUAL
MINIMUM LOT SIZE:	4,000 SF	15.64 ACRES
MINIMUM LOT FRONTAGE:	30 LF	355 LF
MAXIMUM LOT COVERAGE:	60%	46% (IMPERVIOUS)
MAXIMUM BUILDING HEIGHT:	N/A	N/A
OFF STREET PARKING:	228 SPACES*	238 SPACES
PARKING AREA SETBACK:	MIN. 10 FT	10 FT
BUILDING SETBACK:	30 FT**	42.6 FT
BUILDING FOOTPRINT AREA:	N/A	40,470 SF

\*2 SPACES/UNIT X 114 UNITS PROPOSED = 228 SPACES REQ.  
\*\* BUILDING SETBACK OF 30 FEET ALLOWS FOR AN EXTERIOR WALL FIRE RATING OF 0 HOURS (SETBACK MAY BE REDUCED IF EXTERIOR WALL FIRE RATING IS INCREASED. SEE NYS BUILDING CODE CHAPTER 6, LATEST EDITION, FOR REQUIRED RATING).

PROVIDE ACCESSIBLE SPACES AS SHOWN WITH PAINTED INTERNATIONAL SYMBOL OF ACCESSIBILITY AND SIGNAGE.



NOT FOR CONSTRUCTION

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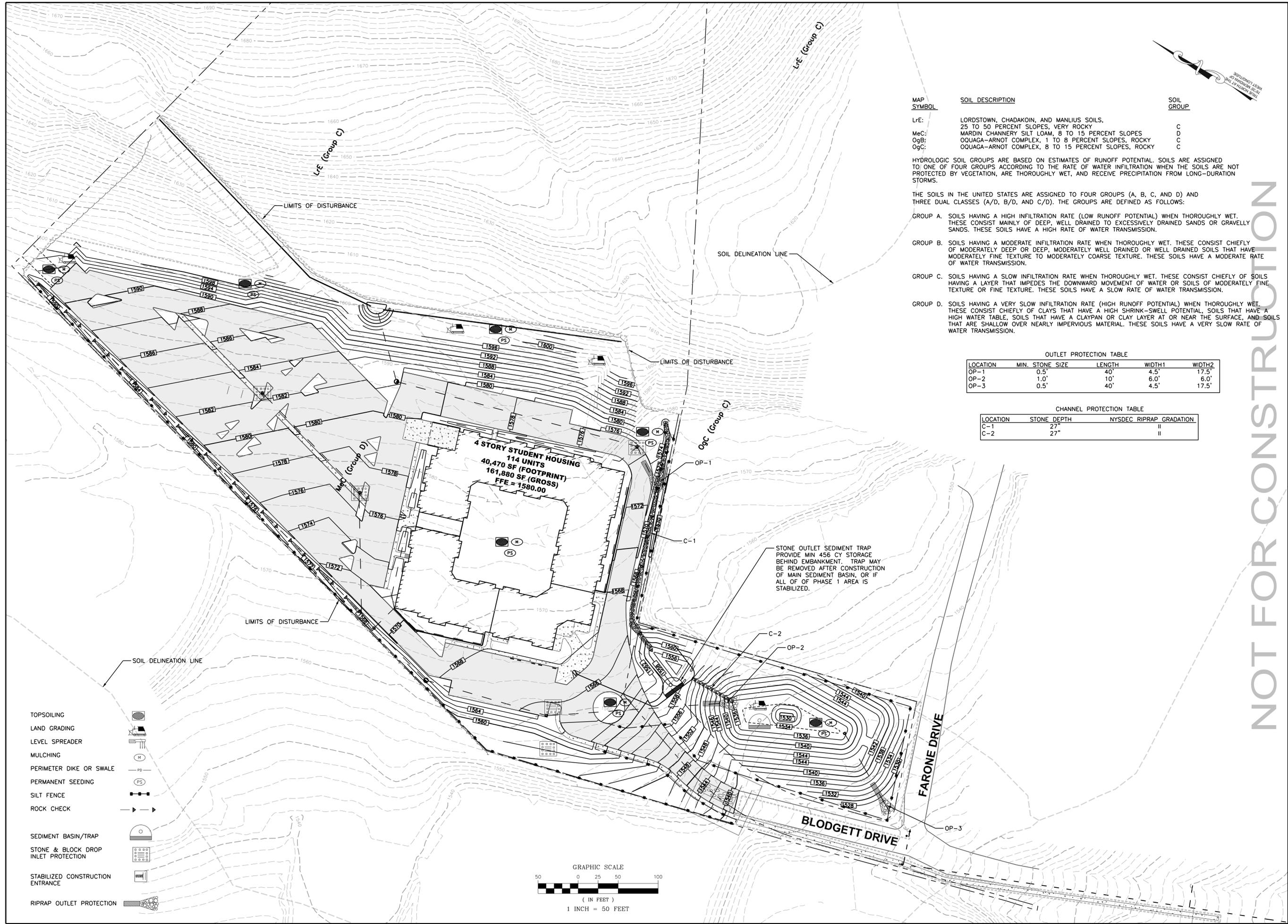
**HILLSIDE COMMONS STUDENT HOUSING**  
OTSEGO COUNTY, NY  
CITY OF ONEONTA  
LAYOUT & DIMENSION PLAN

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SHEET NO. **C100**  
PROJECT NO. 200.26412  
DATE: 02/20/13  
CAD FILE NO. 20026412.SITE.DGN

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NO.	REVISIONS AND DESCRIPTIONS	DATE
1	REV. 3/29/13 CITY LETTER	4/12/13
2	REV. 3/29/13 CITY LETTER	4/12/13
3	RE-SCHEMATIC PRELIM	4/26/13



MAP SYMBOL	SOIL DESCRIPTION	SOIL GROUP
LrE:	LORDSTOWN, CHADAKOIN, AND MANLIUS SOILS, 25 TO 50 PERCENT SLOPES, VERY ROCKY	C
MeC:	MARDIN CHANNERY SILT LOAM, 8 TO 15 PERCENT SLOPES	D
OgB:	OQUAGA-ARNOT COMPLEX, 1 TO 8 PERCENT SLOPES, ROCKY	C
OgC:	OQUAGA-ARNOT COMPLEX, 8 TO 15 PERCENT SLOPES, ROCKY	C

HYDROLOGIC SOIL GROUPS ARE BASED ON ESTIMATES OF RUNOFF POTENTIAL. SOILS ARE ASSIGNED TO ONE OF FOUR GROUPS ACCORDING TO THE RATE OF WATER INFILTRATION WHEN THE SOILS ARE NOT PROTECTED BY VEGETATION, ARE THOROUGHLY WET, AND RECEIVE PRECIPITATION FROM LONG-DURATION STORMS.

THE SOILS IN THE UNITED STATES ARE ASSIGNED TO FOUR GROUPS (A, B, C, AND D) AND THREE DUAL CLASSES (A/D, B/D, AND C/D). THE GROUPS ARE DEFINED AS FOLLOWS:

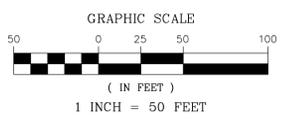
- GROUP A. SOILS HAVING A HIGH INFILTRATION RATE (LOW RUNOFF POTENTIAL) WHEN THOROUGHLY WET. THESE CONSIST MAINLY OF DEEP, WELL DRAINED TO EXCESSIVELY DRAINED SANDS OR GRAVELLY SANDS. THESE SOILS HAVE A HIGH RATE OF WATER TRANSMISSION.
- GROUP B. SOILS HAVING A MODERATE INFILTRATION RATE WHEN THOROUGHLY WET. THESE CONSIST CHIEFLY OF MODERATELY DEEP OR DEEP, MODERATELY WELL DRAINED OR WELL DRAINED SOILS THAT HAVE MODERATELY FINE TEXTURE TO MODERATELY COARSE TEXTURE. THESE SOILS HAVE A MODERATE RATE OF WATER TRANSMISSION.
- GROUP C. SOILS HAVING A SLOW INFILTRATION RATE WHEN THOROUGHLY WET. THESE CONSIST CHIEFLY OF SOILS HAVING A LAYER THAT IMPEDES THE DOWNWARD MOVEMENT OF WATER OR SOILS OF MODERATELY FINE TEXTURE OR FINE TEXTURE. THESE SOILS HAVE A SLOW RATE OF WATER TRANSMISSION.
- GROUP D. SOILS HAVING A VERY SLOW INFILTRATION RATE (HIGH RUNOFF POTENTIAL) WHEN THOROUGHLY WET. THESE CONSIST CHIEFLY OF CLAYS THAT HAVE A HIGH SHRINK-SWELL POTENTIAL, SOILS THAT HAVE A HIGH WATER TABLE, SOILS THAT HAVE A CLAYPAN OR CLAY LAYER AT OR NEAR THE SURFACE, AND SOILS THAT ARE SHALLOW OVER NEARLY IMPERVIOUS MATERIAL. THESE SOILS HAVE A VERY SLOW RATE OF WATER TRANSMISSION.

LOCATION	MIN. STONE SIZE	LENGTH	WIDTH1	WIDTH2
OP-1	0.5'	40'	4.5'	17.5'
OP-2	1.0'	10'	6.0'	6.0'
OP-3	0.5'	40'	4.5'	17.5'

LOCATION	STONE DEPTH	NYSDEC RIPRAP GRADATION
C-1	27"	II
C-2	27"	II

STONE OUTLET SEDIMENT TRAP PROVIDE MIN 456 CY STORAGE BEHIND EMBANKMENT. TRAP MAY BE REMOVED AFTER CONSTRUCTION OF MAIN SEDIMENT BASIN, OR IF ALL OF OF PHASE 1 AREA IS STABILIZED.

- TOPSOILING
- LAND GRADING
- LEVEL SPREADER
- MULCHING
- PERIMETER DIKE OR SWALE
- PERMANENT SEEDING
- SILT FENCE
- ROCK CHECK
- SEDIMENT BASIN/TRAP
- STONE & BLOCK DROP INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE
- RIPRAP OUTLET PROTECTION



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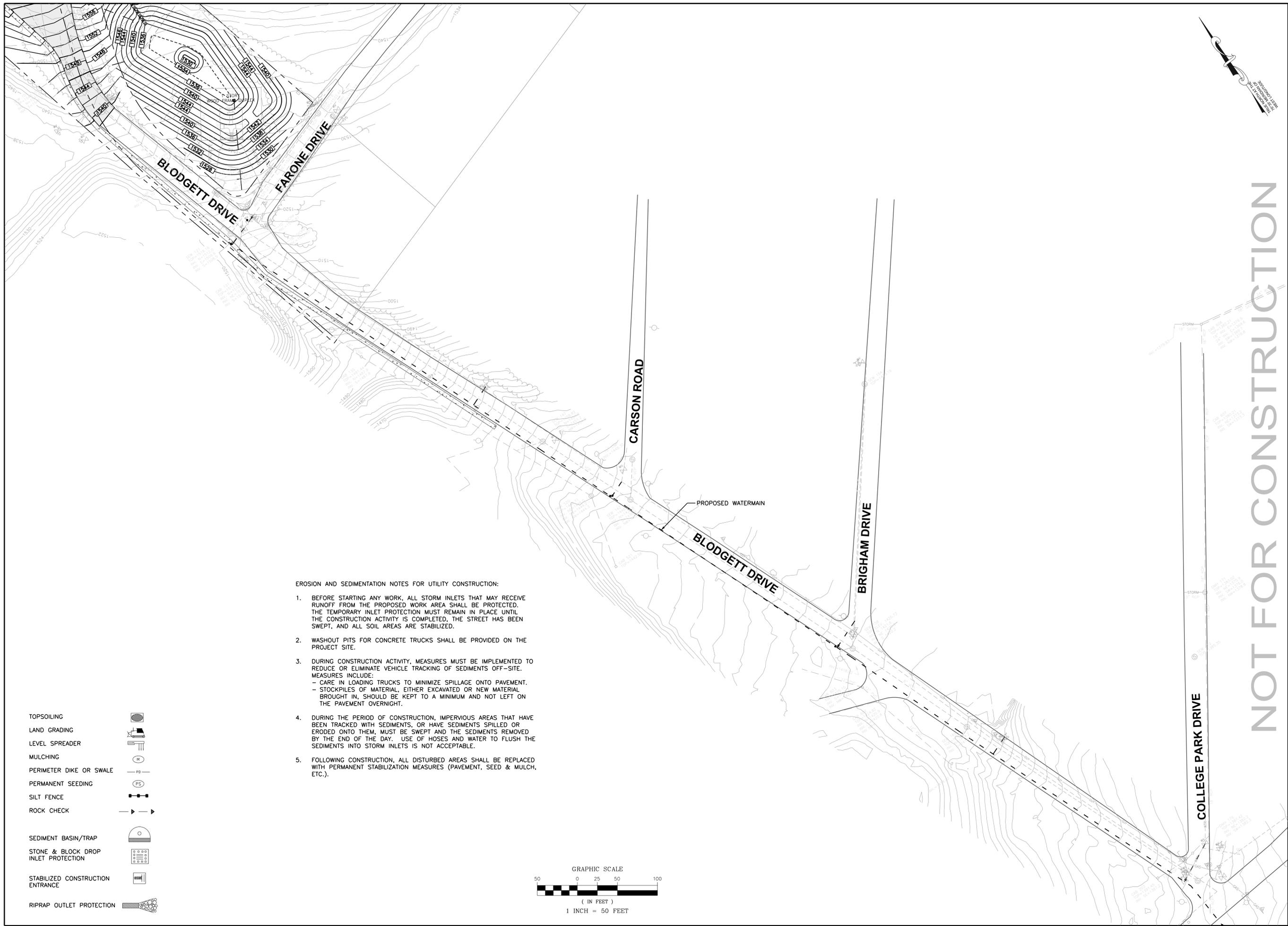
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**HILLSIDE COMMONS STUDENT HOUSING**  
OTSEGO COUNTY, NY  
CITY OF ONEONTA  
**EROSION & SEDIMENT CONTROL PLAN**

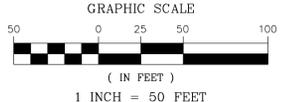
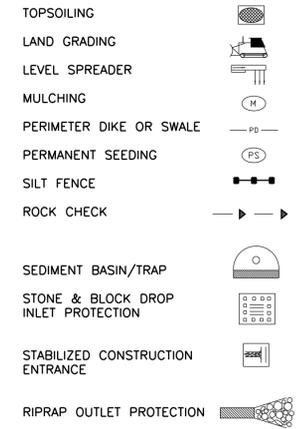
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SHEET NO. **C110**  
PROJECT NO. 200.26412  
DATE: 02/20/13  
CAD FILE NO. 20026412.SITE.DGN



**EROSION AND SEDIMENTATION NOTES FOR UTILITY CONSTRUCTION:**

1. BEFORE STARTING ANY WORK, ALL STORM INLETS THAT MAY RECEIVE RUNOFF FROM THE PROPOSED WORK AREA SHALL BE PROTECTED. THE TEMPORARY INLET PROTECTION MUST REMAIN IN PLACE UNTIL THE CONSTRUCTION ACTIVITY IS COMPLETED, THE STREET HAS BEEN SWEEPED, AND ALL SOIL AREAS ARE STABILIZED.
2. WASHOUT PITS FOR CONCRETE TRUCKS SHALL BE PROVIDED ON THE PROJECT SITE.
3. DURING CONSTRUCTION ACTIVITY, MEASURES MUST BE IMPLEMENTED TO REDUCE OR ELIMINATE VEHICLE TRACKING OF SEDIMENTS OFF-SITE. MEASURES INCLUDE:
  - CARE IN LOADING TRUCKS TO MINIMIZE SPILLAGE ONTO PAVEMENT.
  - STOCKPILES OF MATERIAL, EITHER EXCAVATED OR NEW MATERIAL BROUGHT IN, SHOULD BE KEPT TO A MINIMUM AND NOT LEFT ON THE PAVEMENT OVERNIGHT.
4. DURING THE PERIOD OF CONSTRUCTION, IMPERVIOUS AREAS THAT HAVE BEEN TRACKED WITH SEDIMENTS, OR HAVE SEDIMENTS SPILLED OR ERODED ONTO THEM, MUST BE SWEEPED AND THE SEDIMENTS REMOVED BY THE END OF THE DAY. USE OF HOSES AND WATER TO FLUSH THE SEDIMENTS INTO STORM INLETS IS NOT ACCEPTABLE.
5. FOLLOWING CONSTRUCTION, ALL DISTURBED AREAS SHALL BE REPLACED WITH PERMANENT STABILIZATION MEASURES (PAVEMENT, SEED & MULCH, ETC.).



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NO.	REVISIONS AND DESCRIPTIONS	DATE
1	REV. 3/29/13 CITY LETTER	4/12/13
2	REV. 3/29/13 CITY LETTER	4/12/13
3	RE-CORRECTED PERMITS	02/20/13

**HILLSIDE COMMONS  
STUDENT HOUSING**

CITY OF ONEONTA  
OTSEGO COUNTY, NY

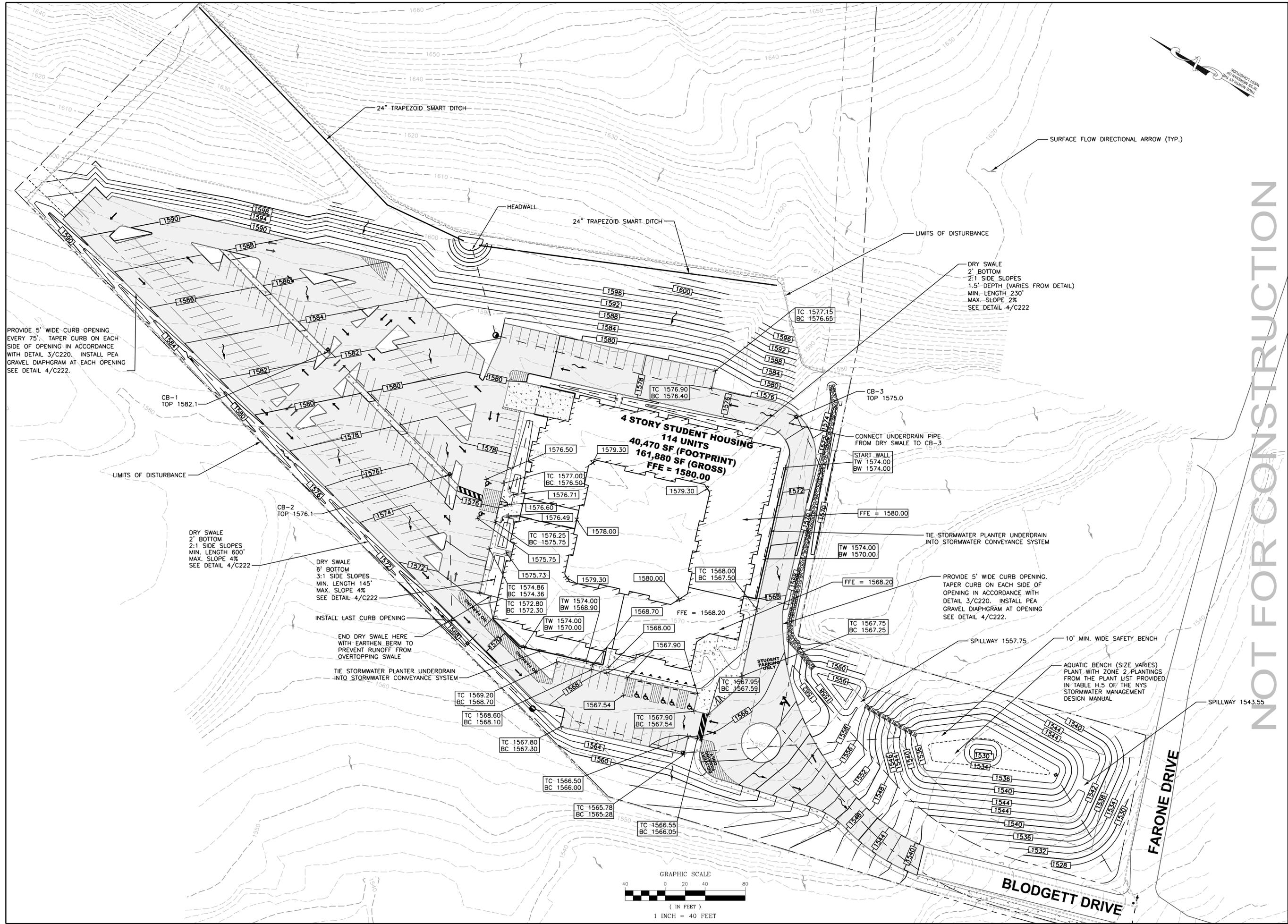
**EROSION & SEDIMENT CONTROL PLAN**

SHEET NO.  
**C111**

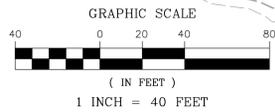
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NO.	REVISION	DATE

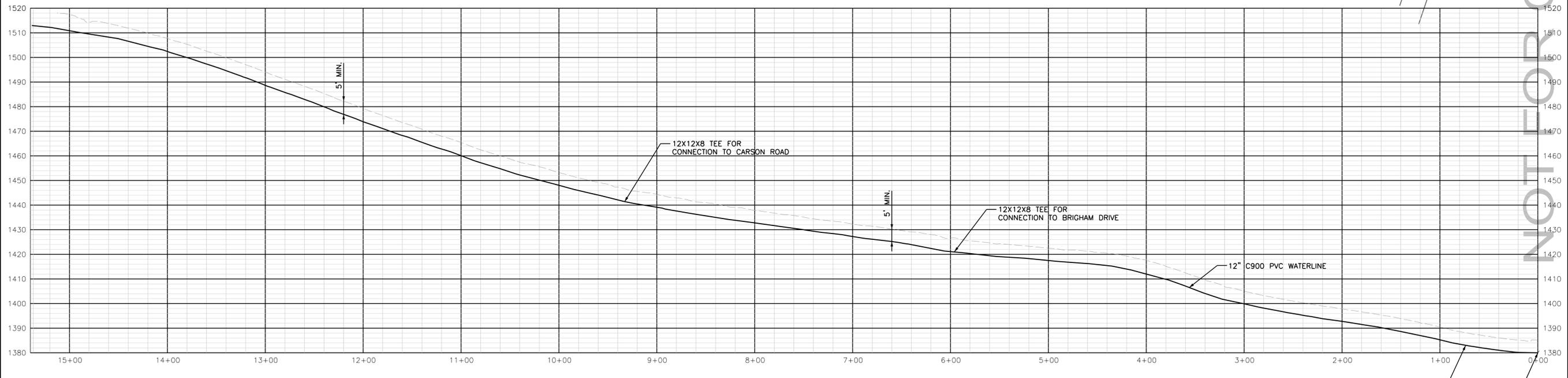
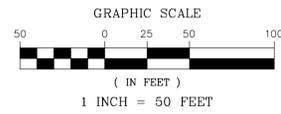
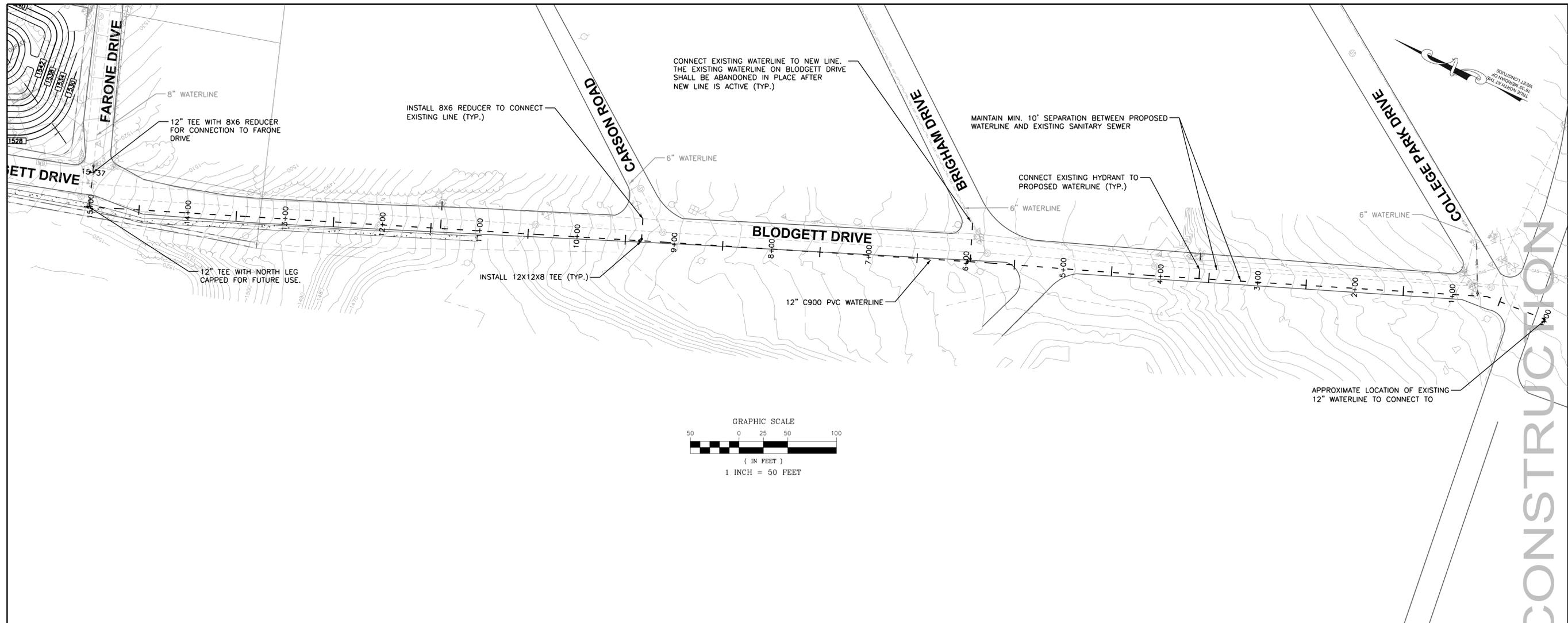
**HILLSIDE COMMONS  
 STUDENT HOUSING**  
 OTSEGO COUNTY, NY  
 CITY OF ONEONTA

**GRADING PLAN**

SHEET NO.  
**C120**  
 PROJECT NO.  
 200.26412

DATE: 02/20/13  
 CAD FILE NO.: 20026412.SITE.DGN





OFFSITE WATERLINE PROFILE  
 SCALE: HORIZONTAL 1" = 50'  
 VERTICAL 1" = 20'

INSTALL 12" TAPPING SLEEVE WITH VALVE  
 IN ACCORDANCE WITH CITY REQUIREMENTS.  
 COORDINATE ALL WORK WITH THE CITY  
 PRIOR TO STARTING WORK.

NOT FOR CONSTRUCTION

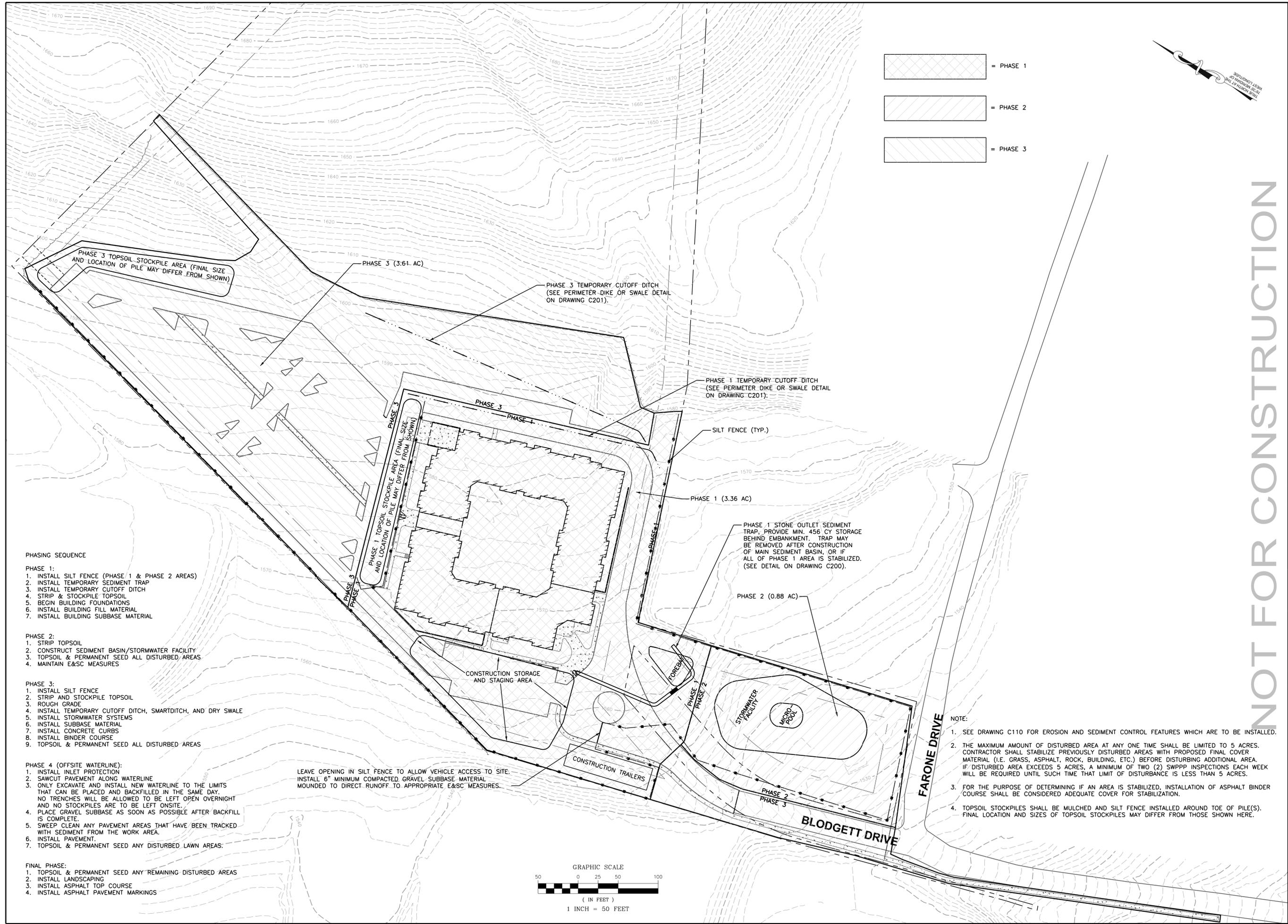
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<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DESCRIPTION AND REVISIONS</th> <th>DATE</th> </tr> <tr> <td>1</td> <td>ISSUED TO PRELIMINARY PLAN</td> <td>1/12/13</td> </tr> <tr> <td>2</td> <td>REV. 3/7/13 CITY LETTER</td> <td>4/12/13</td> </tr> <tr> <td>3</td> <td>RE-CORRECTIVE PROFILE</td> <td>02/20/13</td> </tr> </table>	NO.	DESCRIPTION AND REVISIONS	DATE	1	ISSUED TO PRELIMINARY PLAN	1/12/13	2	REV. 3/7/13 CITY LETTER	4/12/13	3	RE-CORRECTIVE PROFILE	02/20/13	<p>© Copyright 2012          Keystone Associates          Architects, Engineers          and Surveyors, LLC</p>
NO.	DESCRIPTION AND REVISIONS	DATE											
1	ISSUED TO PRELIMINARY PLAN	1/12/13											
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3	RE-CORRECTIVE PROFILE	02/20/13											

**HILLSIDE COMMONS**  
**STUDENT HOUSING**  
 CITY OF ONEONTA  
 OTSEGO COUNTY, NY  
**OFFSITE WATERLINE PLAN & PROFILE**

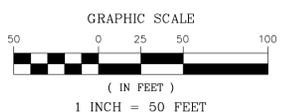
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**C131**  
 PROJECT NO.  
 200.26412  
 DATE: 02/20/13  
 CAD FILE NO. 20026412.SITE.DGN



- = PHASE 1
- = PHASE 2
- = PHASE 3

- PHASING SEQUENCE**
- PHASE 1:**
1. INSTALL SILT FENCE (PHASE 1 & PHASE 2 AREAS)
  2. INSTALL TEMPORARY SEDIMENT TRAP
  3. INSTALL TEMPORARY CUTOFF DITCH
  4. STRIP & STOCKPILE TOPSOIL
  5. BEGIN BUILDING FOUNDATIONS
  6. INSTALL BUILDING FILL MATERIAL
  7. INSTALL BUILDING SUBBASE MATERIAL
- PHASE 2:**
1. STRIP TOPSOIL
  2. CONSTRUCT SEDIMENT BASIN/STORMWATER FACILITY
  3. TOPSOIL & PERMANENT SEED ALL DISTURBED AREAS
  4. MAINTAIN E&SC MEASURES
- PHASE 3:**
1. INSTALL SILT FENCE
  2. STRIP AND STOCKPILE TOPSOIL
  3. ROUGH GRADE
  4. INSTALL TEMPORARY CUTOFF DITCH, SMARTDITCH, AND DRY SWALE
  5. INSTALL STORMWATER SYSTEMS
  6. INSTALL SUBBASE MATERIAL
  7. INSTALL CONCRETE CURBS
  8. INSTALL BINDER COURSE
  9. TOPSOIL & PERMANENT SEED ALL DISTURBED AREAS
- PHASE 4 (OFFSITE WATERLINE):**
1. INSTALL INLET PROTECTION
  2. SAWCUT PAVEMENT ALONG WATERLINE
  3. ONLY EXCAVATE AND INSTALL NEW WATERLINE TO THE LIMITS THAT CAN BE PLACED AND BACKFILLED IN THE SAME DAY. NO TRENCHES WILL BE ALLOWED TO BE LEFT OPEN OVERNIGHT AND NO STOCKPILES ARE TO BE LEFT ONSITE.
  4. PLACE GRAVEL SUBBASE AS SOON AS POSSIBLE AFTER BACKFILL IS COMPLETE.
  5. SWEEP CLEAN ANY PAVEMENT AREAS THAT HAVE BEEN TRACKED WITH SEDIMENT FROM THE WORK AREA.
  6. INSTALL PAVEMENT.
  7. TOPSOIL & PERMANENT SEED ANY DISTURBED LAWN AREAS.

LEAVE OPENING IN SILT FENCE TO ALLOW VEHICLE ACCESS TO SITE.  
 INSTALL 6" MINIMUM COMPACTED GRAVEL SUBBASE MATERIAL MOUNDED TO DIRECT RUNOFF TO APPROPRIATE E&SC MEASURES.



- NOTE:**
1. SEE DRAWING C110 FOR EROSION AND SEDIMENT CONTROL FEATURES WHICH ARE TO BE INSTALLED.
  2. THE MAXIMUM AMOUNT OF DISTURBED AREA AT ANY ONE TIME SHALL BE LIMITED TO 5 ACRES. CONTRACTOR SHALL STABILIZE PREVIOUSLY DISTURBED AREAS WITH PROPOSED FINAL COVER MATERIAL (I.E. GRASS, ASPHALT, ROCK, BUILDING, ETC.) BEFORE DISTURBING ADDITIONAL AREA. IF DISTURBED AREA EXCEEDS 5 ACRES, A MINIMUM OF TWO (2) SWPPP INSPECTIONS EACH WEEK WILL BE REQUIRED UNTIL SUCH TIME THAT LIMIT OF DISTURBANCE IS LESS THAN 5 ACRES.
  3. FOR THE PURPOSE OF DETERMINING IF AN AREA IS STABILIZED, INSTALLATION OF ASPHALT BINDER COURSE SHALL BE CONSIDERED ADEQUATE COVER FOR STABILIZATION.
  4. TOPSOIL STOCKPILES SHALL BE MULCHED AND SILT FENCE INSTALLED AROUND TOE OF PILE(S). FINAL LOCATION AND SIZES OF TOPSOIL STOCKPILES MAY DIFFER FROM THOSE SHOWN HERE.

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 STUDENT HOUSING**

CITY OF ONEONTA  
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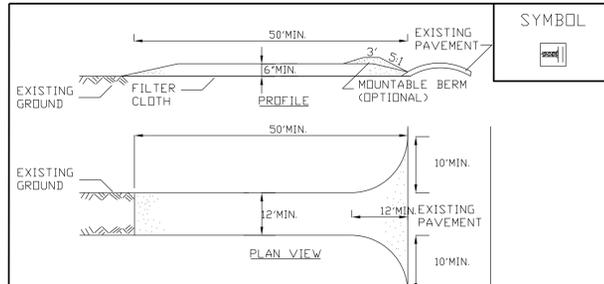
**CONSTRUCTION STAGING PLAN**

SHEET NO.  
**C140**

PROJECT NO.  
 200.26412

DATE: 02/20/13

3D FILE NO.: 20026412.SITE.DGN

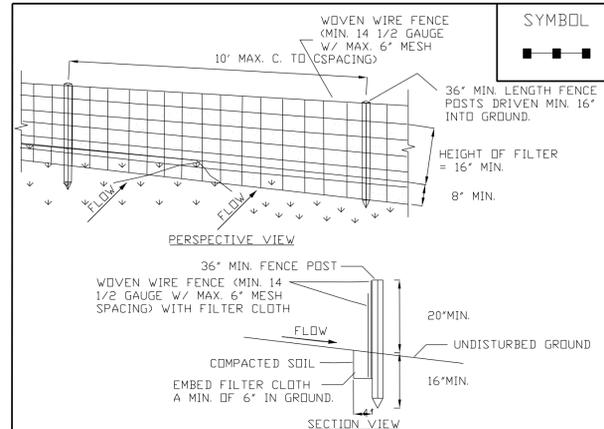


**CONSTRUCTION SPECIFICATIONS**

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. 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.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY, ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACTED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

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STABILIZED  
CONSTRUCTION  
ENTRANCE

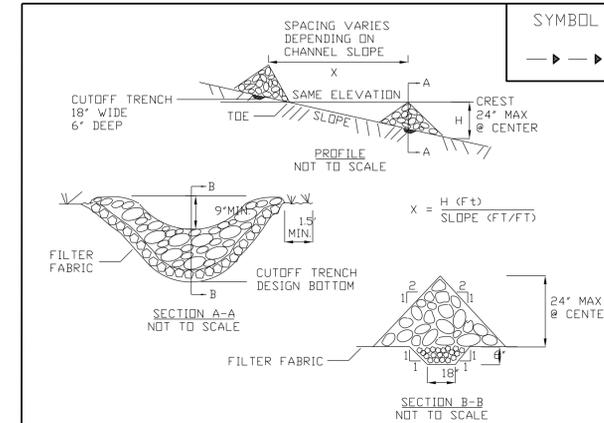


**CONSTRUCTION SPECIFICATIONS**

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 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 OVERLAPPED 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, ENVIRDFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

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SILT FENCE

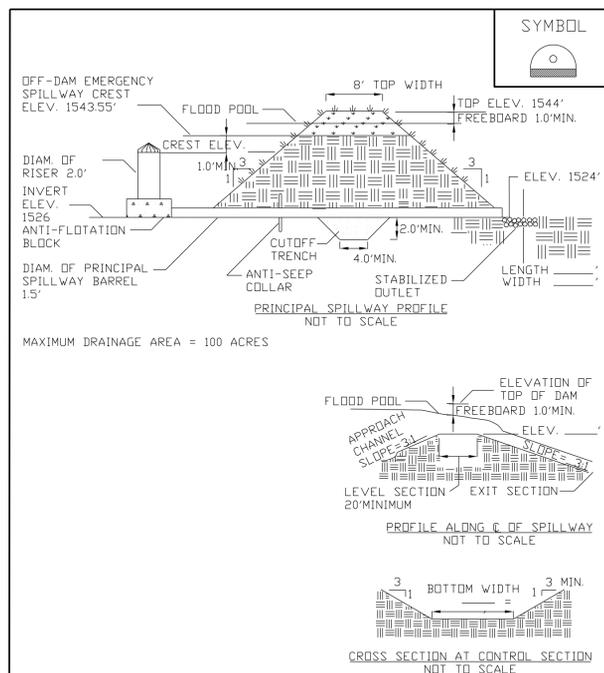


**CONSTRUCTION SPECIFICATIONS**

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 ASSUME THAT THE ELEVATIONS 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 STONE. MAXIMUM DRAINAGE AREA 2 ACRES.

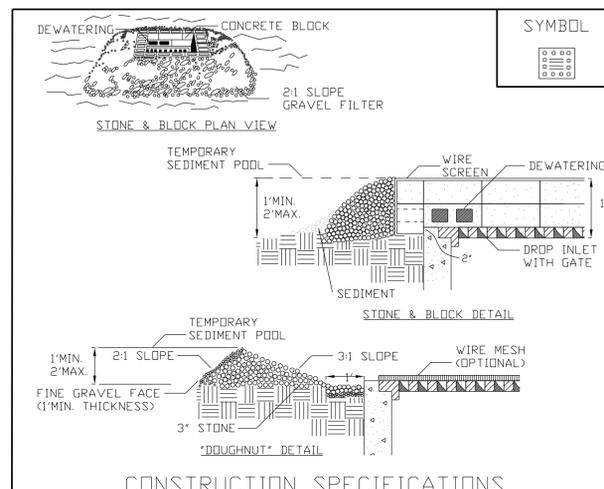
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CHECK DAM



**SEDIMENT BASIN  
DETAILS**

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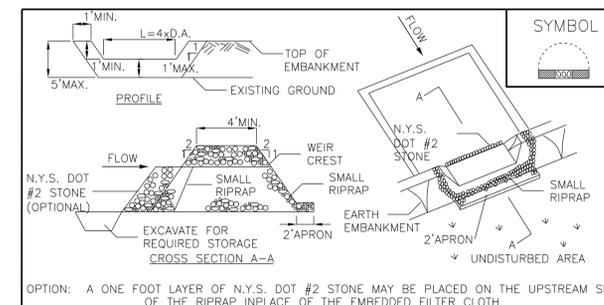


**CONSTRUCTION SPECIFICATIONS**

1. LAY ONE BLOCK ON EACH SIDE OF THE STRUCTURE ON ITS SIDE FOR DEWATERING. FOUNDATION SHALL BE 2 INCHES MINIMUM BELOW REST OF INLET AND BLOCKS SHALL BE PLACED AGAINST INLET FOR SUPPORT.
2. HARDWARE CLOTH OR 1/2" WIRE MESH SHALL BE PLACED OVER BLOCK OPENINGS TO SUPPORT STONE.
3. USE CLEAN STONE OR GRAVEL 1/2-3/4 INCH IN DIAMETER PLACED 2 INCHES BELOW TOP OF THE BLOCK ON A 2:1 SLOPE OR FLATTER.
4. FOR STONE STRUCTURES ONLY, A 1 FOOT THICK LAYER OF THE FILTER STONE WILL BE PLACED AGAINST THE 3 INCH STONE AS SHOWN ON THE DRAWINGS.

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STONE & BLOCK  
DROP INLET  
PROTECTION



**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.

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STONE OUTLET  
SEDIMENT TRAP ST-IV

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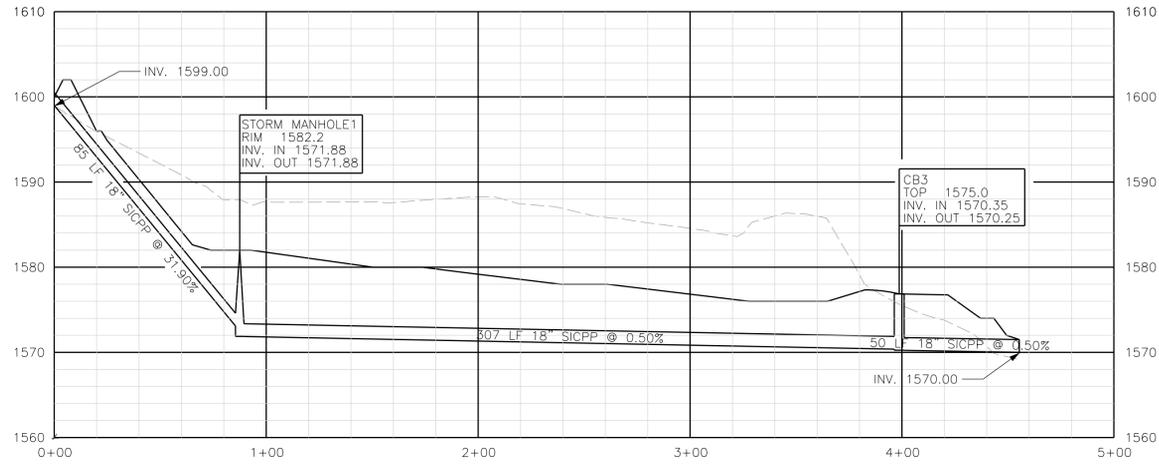
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1	REV. 3/28/13 CITY LETTER	4/12/13
2	REV. 3/28/13 CITY LETTER	4/12/13
3	REV. 3/28/13 CITY LETTER	4/12/13

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EROSION & SEDIMENT CONTROL DETAILS

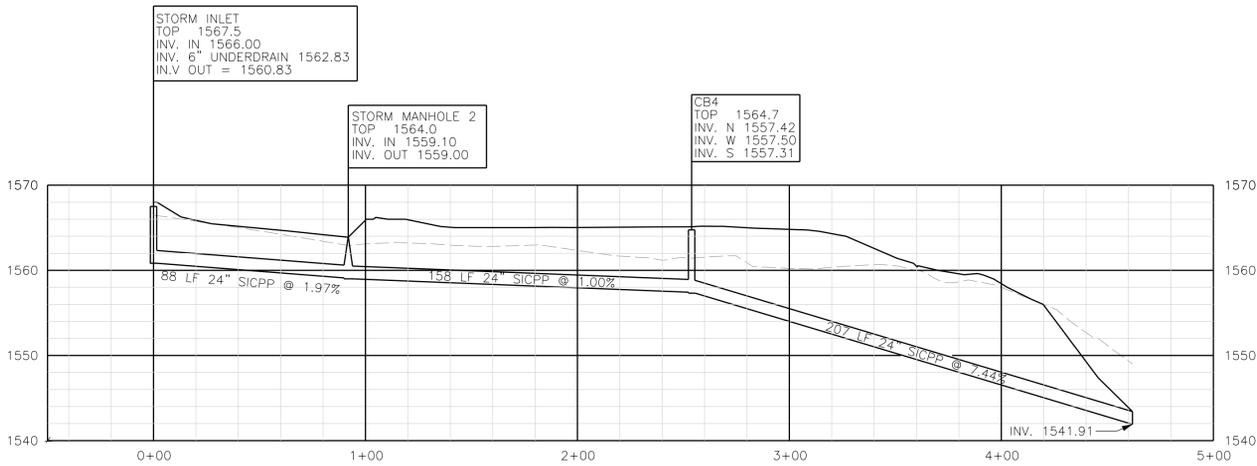
SHEET NO.  
**C200**  
PROJECT NO.  
200.26412  
DATE: 02/20/13  
CAD FILE NO. 20026412.SITE.DGN





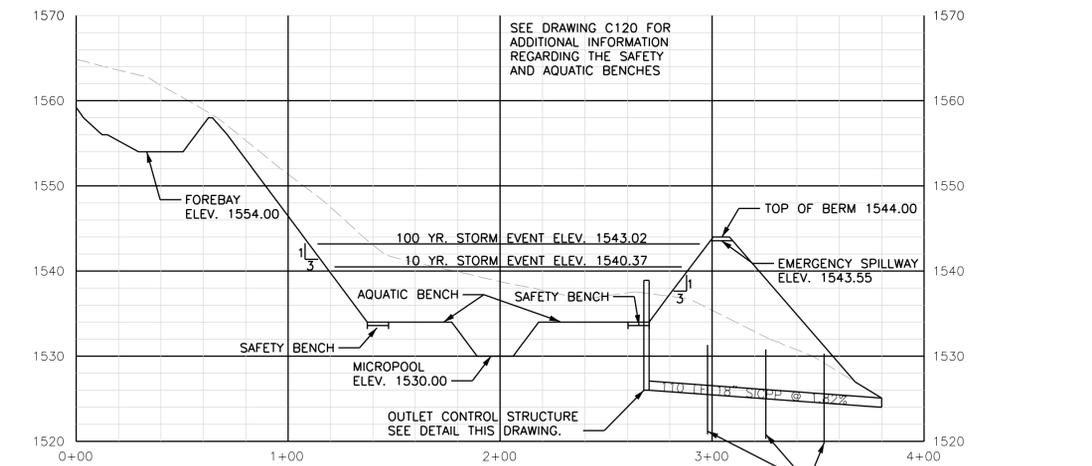
**STORM DRAINAGE SYSTEM SECTION**

SCALE: HORIZONTAL 1" = 40'  
VERTICAL 1" = 10'



**STORM DRAINAGE SYSTEM SECTION**

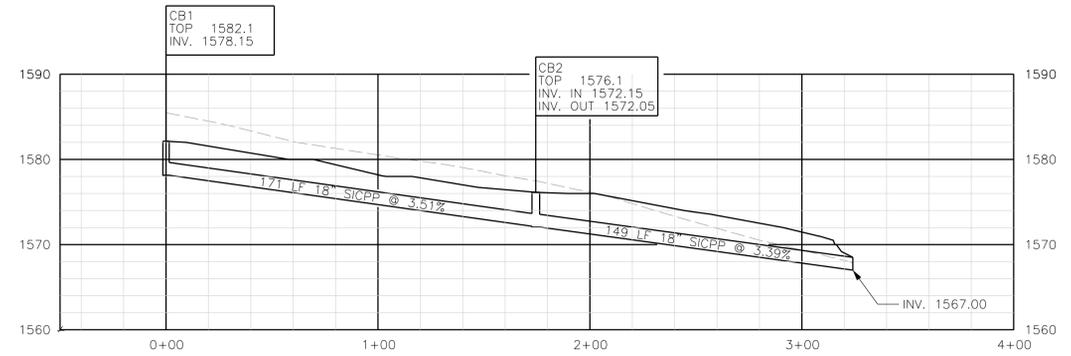
SCALE: HORIZONTAL 1" = 40'  
VERTICAL 1" = 10'



**STORMWATER FACILITY SECTION**

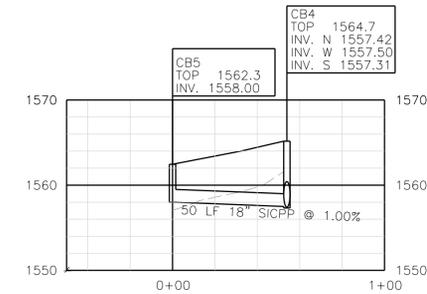
SCALE: HORIZONTAL 1" = 40'  
VERTICAL 1" = 10'

NOTE:  
DO NOT INSTALL MICROPOOL WHILE STORMWATER FACILITY IS BEING USED AS A SEDIMENT BASIN. UPON STABILIZATION OF ALL UPSLOPE AREAS, REMOVE THE DEWATERING DEVICE, EXCAVATE THE MICROPOOL, AND STABILIZE ALL DISTURBED AREAS ASSOCIATED WITH THIS WORK.



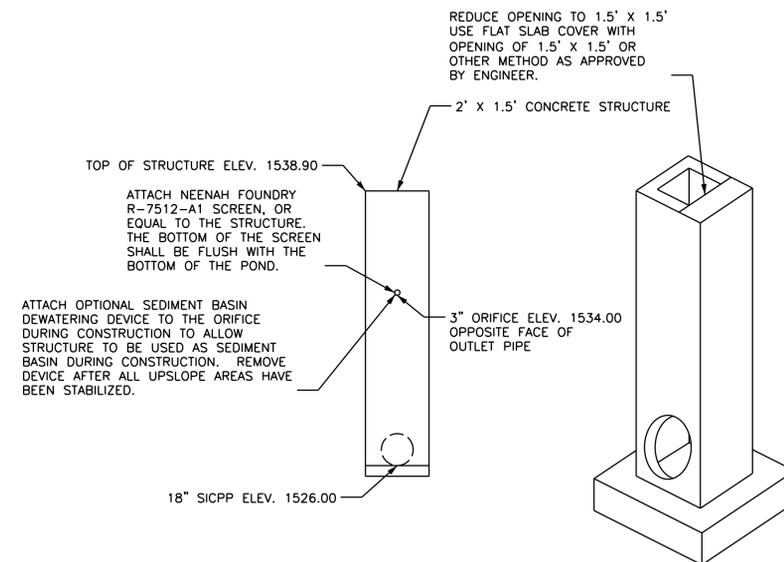
**STORM DRAINAGE SYSTEM SECTION**

SCALE: HORIZONTAL 1" = 40'  
VERTICAL 1" = 10'



**STORM DRAINAGE SYSTEM SECTION**

SCALE: HORIZONTAL 1" = 40'  
VERTICAL 1" = 10'



PROVIDE TRASH RACK (NOT SHOWN FOR CLARITY)  
MODEL #127 BY LANE ENTERPRISES, OR EQUAL.

**OUTLET CONTROL STRUCTURE**  
NOT TO SCALE

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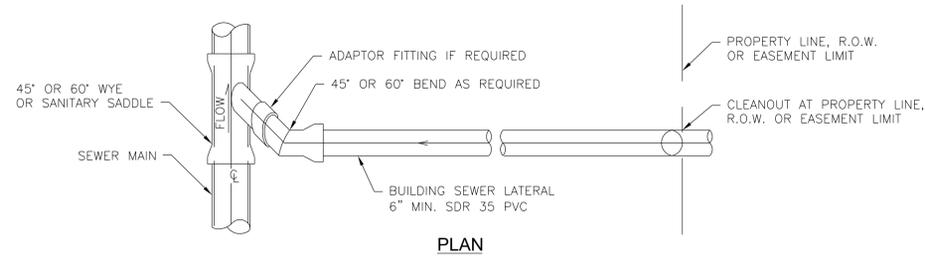
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1	REV. 3/28/13 CITY LETTER	4/12/13
2	REV. 3/28/13 CITY LETTER	4/12/13
3	RE-CONSTRUCTION PROPOSE	02/20/13

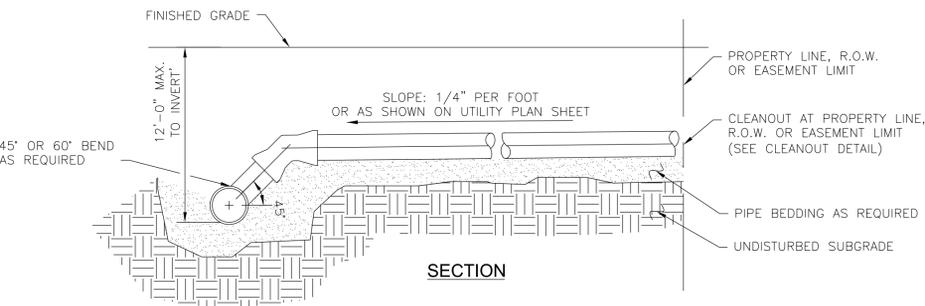
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**STORMWATER SECTIONS & DETAILS**

SHEET NO.  
**C210**  
PROJECT NO.  
200.26412  
DATE: 02/20/13  
CAD FILE NO. 20026412.SITE.DGN

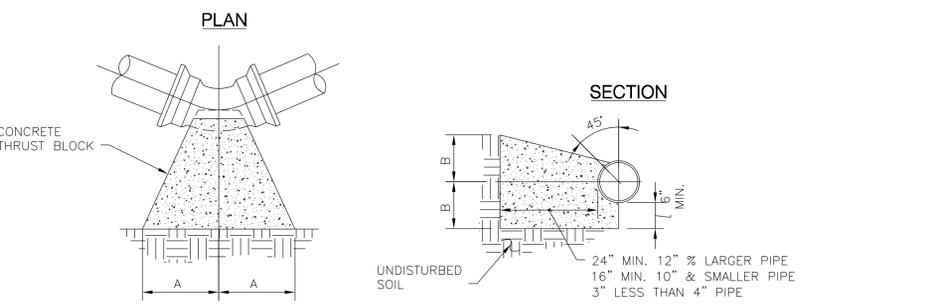




**1 SEWER SERVICE CONNECTION DETAIL**  
C221 N.T.S.

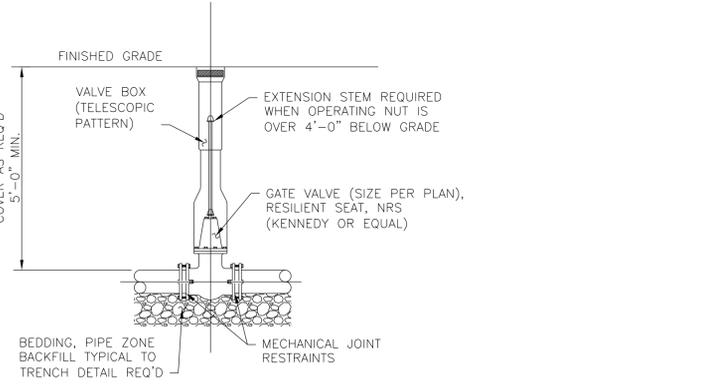


**1 SEWER SERVICE CONNECTION DETAIL**  
C221 N.T.S.

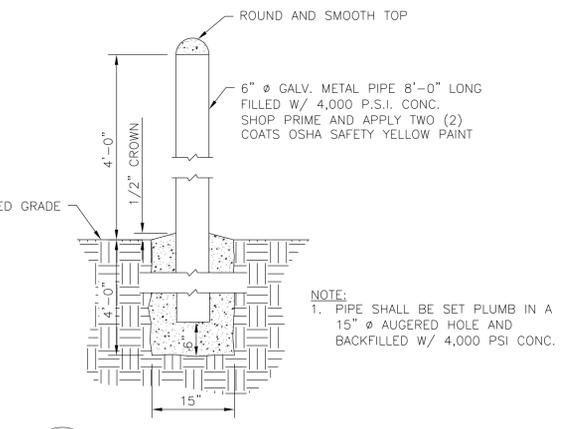


SIZE OF WATER MAIN	90° BEND		45° BEND		22 1/2° BEND		11 1/4° BEND	
	A	B	A	B	A	B	A	B
6"	16"	10"	9"	10"	6"	8"	6"	8"
8"	22"	13"	12"	13"	8"	10"	8"	10"
10"	26"	17"	14"	17"	10"	13"	10"	13"
12"	29"	21"	16"	21"	11"	16"	11"	16"
16"	31"	26"	18"	25"	12"	19"	12"	19"

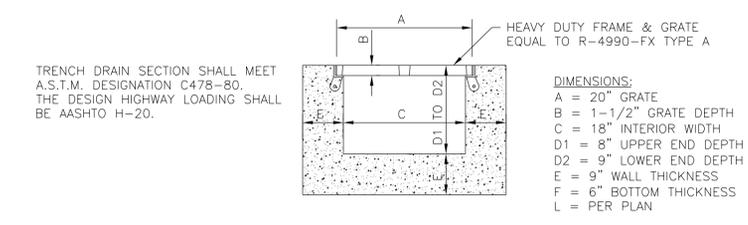
**2 11-1/4 DEG THRU 90 DEG BEND THRUST BLOCK DETAIL**  
C221 N.T.S.



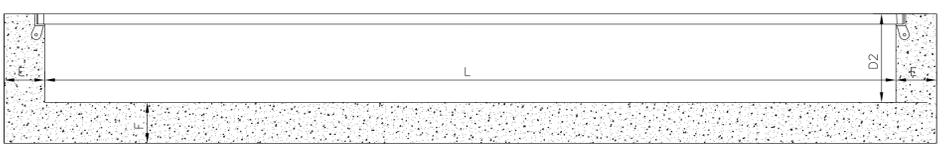
**3 VALVE BOX DETAIL**  
C221 N.T.S.



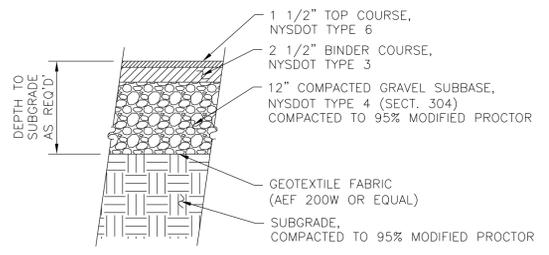
**6 BOLLARD DETAIL**  
C221 N.T.S.



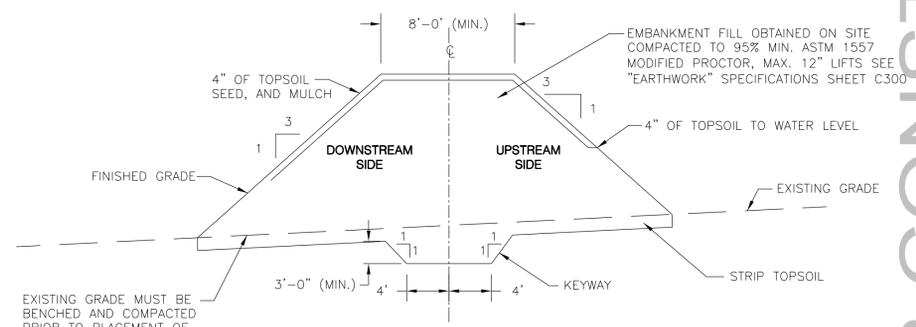
**4 TYPICAL TRENCH DRAIN DETAIL**  
C221 N.T.S.



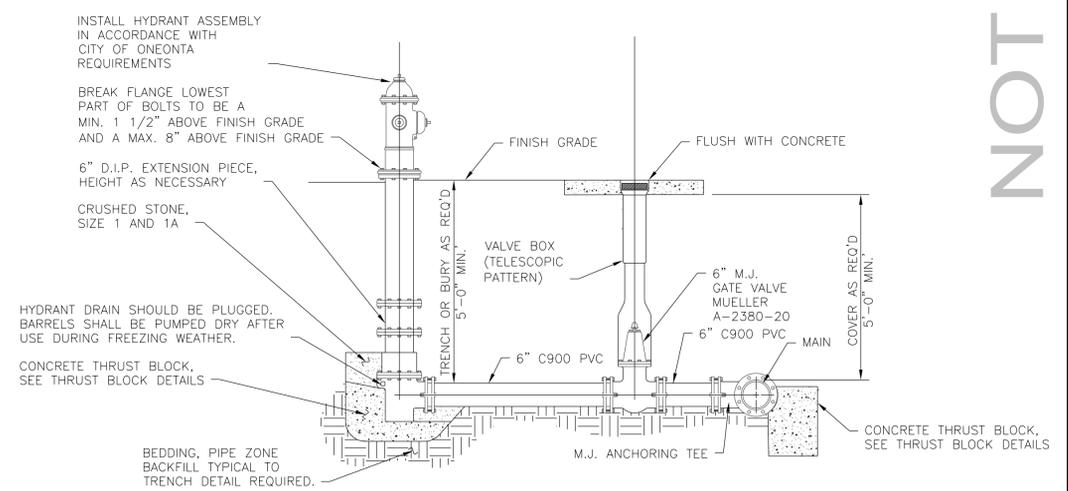
**LONGITUDINAL SECTION**



**5 ASPHALT PAVEMENT DETAIL**  
C221 N.T.S.



**7 TYPICAL BERM SECTION**  
C221 N.T.S.



**8 HYDRANT ASSEMBLY DETAIL**  
C221 N.T.S.

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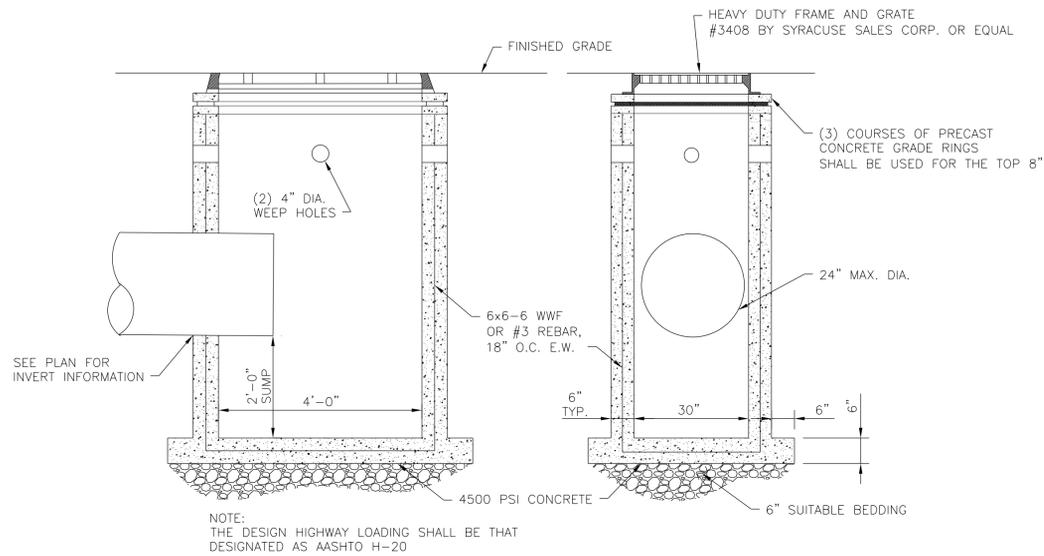
**SITE DETAILS**

SHEET NO. **C221**  
PROJECT NO. 200.26412  
DATE: 02/20/13  
CAD FILE NO. 20026412.SITE.DGN

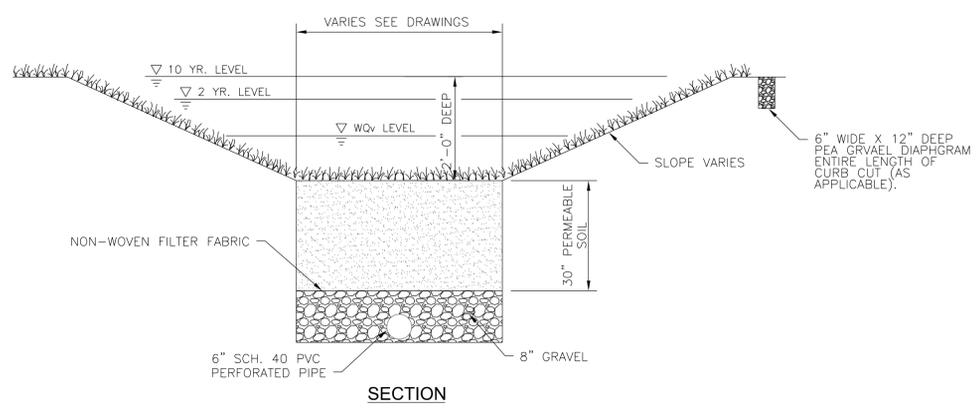
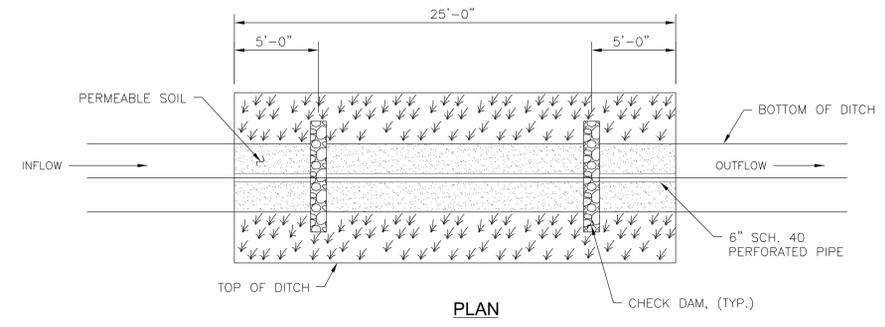
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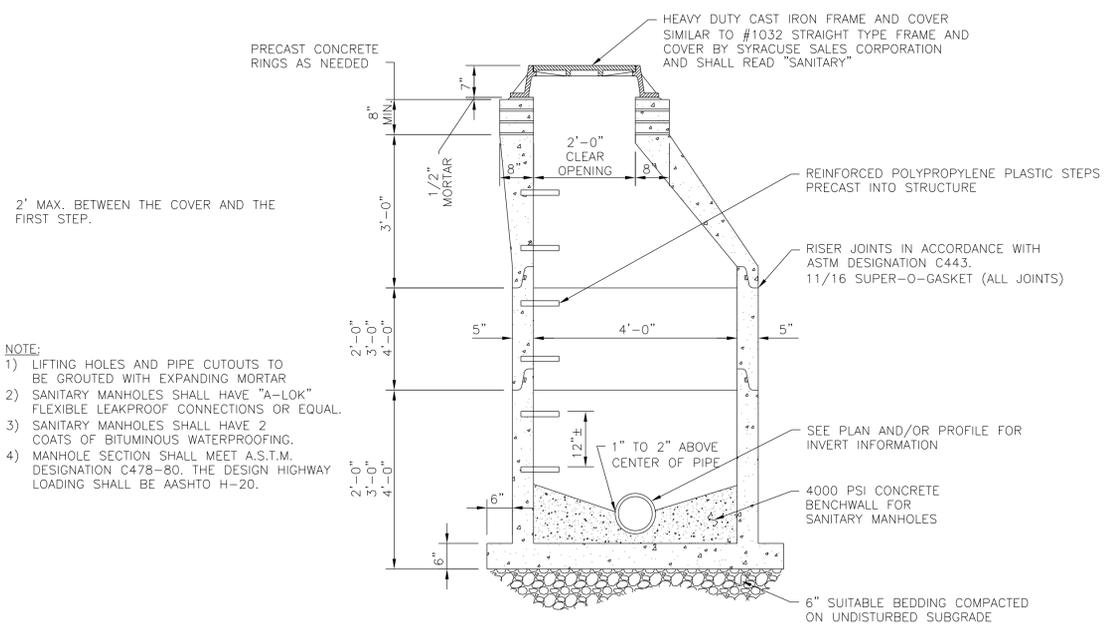
NO.	REVISIONS AND DESCRIPTIONS	DATE
1	ISSUED FOR PRELIMINARY PLAN	1/19/13
2	REV. 3/24/13 CITY LETTER	4/12/13
3	RE-CORRECTIVE REVISION	02/20/13



1 CATCH BASIN DETAIL - TYPE "A" C222 N.T.S.

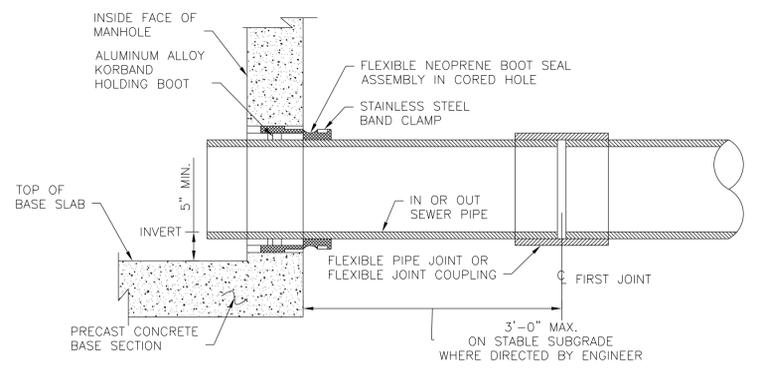


4 DRYSWALE DETAIL C222 N.T.S.

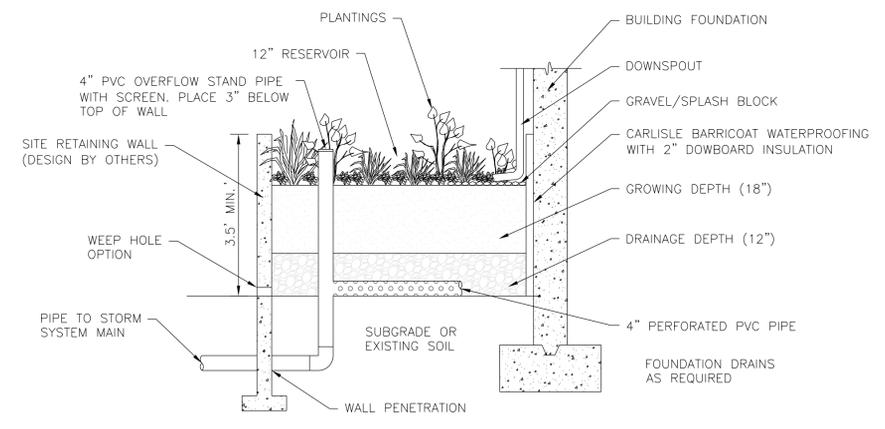


- NOTE:
- LIFTING HOLES AND PIPE CUTOUTS TO BE GROUTED WITH EXPANDING MORTAR
  - SANITARY MANHOLES SHALL HAVE "A-LOK" FLEXIBLE LEAKPROOF CONNECTIONS OR EQUAL.
  - SANITARY MANHOLES SHALL HAVE 2 COATS OF BITUMINOUS WATERPROOFING.
  - MANHOLE SECTION SHALL MEET A.S.T.M. DESIGNATION C478-80. THE DESIGN HIGHWAY LOADING SHALL BE AASHTO H-20.

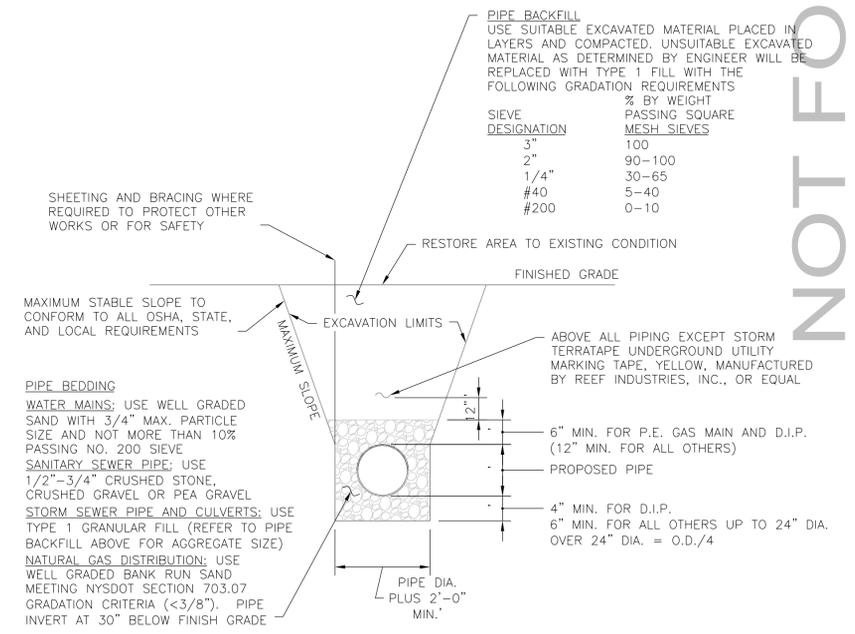
2 MANHOLE DETAIL C222 N.T.S.



3 CONNECTION TO EXISTING MANHOLE DETAIL C222 N.T.S.



5 STORMWATER PLANTER DETAIL N.T.S.



6 PIPE TRENCH DETAIL N.T.S.

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**SITE DETAILS**

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NO.	REVISIONS AND DESCRIPTIONS	DATE
1	ISSUED FOR PERMITS	1/19/13
2	REV. 3/28/13 CITY LETTER	4/2/13
3	RE-SUBMITTAL PERMITS	4/26/13

GENERAL CONSTRUCTION CONDITIONS

- 1. THE TERM OF OWNER AS USED IN THESE SPECIFICATIONS AND NOTES SHALL INCLUDE THE OWNER OF THE PROPERTY, THE COMPANY OR PARTY THAT HIRED THE CONTRACTOR, THE COMPANY OR PARTY THAT SIGNED THE CONTRACT FOR THIS WORK AND THE AGENTS OF EACH. THE OWNER'S REPRESENTATIVE SHALL BE THE INDIVIDUAL OR PARTY ASSIGNED BY THE OWNER TO SUPPORT THE REPRESENTATIVE...
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY PERMITS, CONNECTION PERMITS, FEES, INSPECTIONS AND RECORD KEEPING REQUIRED BY ALL MUNICIPAL, UTILITY, HEALTH, ENVIRONMENTAL, STATE OR FEDERAL AGENCIES THAT MAY HAVE JURISDICTION...
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND MAINTAIN THE PROPERTY AND PROJECT LIMITS THROUGHOUT THE PROJECT...
4. UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE CONTRACT DOCUMENTS THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION SURVEY, LAYOUT AND RECORD DRAWINGS FOR THIS CONTRACT...
5. NO CHANGES TO THE DESIGN OR MATERIALS SPECIFIED MAY BE MADE WITHOUT WRITTEN AUTHORIZATION BY THE ENGINEER OR IN THE CASE OF UTILITIES OR ROAD WORK TO BE DEDICATED, THE AUTHORITY PROVIDING THE CONTRACT...
6. EROSION CONTROL IS NECESSARY WHEN SEDIMENT, DUST, EROSION, OR CONTAMINATED RUN-OFF MAY OCCUR...
7. THE CONTRACTOR SHALL BE FAMILIAR WITH THE PROJECT SITE AND ALL ADJACENT PEDESTRIAN, TRAFFIC AND BUSINESS USES...
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS AND DELAYS ASSOCIATED WITH WEATHER, GROUNDWATER, AND OTHER OCCURRENCES THAT COULD BE EXPECTED OR ARE COMMON WITH THIS TYPE WORK...
9. THE CONTRACTOR SHALL BE RESPONSIBLE TO SAVE AND PROTECT HIS WORK THROUGHOUT THE CONTRACT...
10. WHEN WORK IS DONE WITHIN A ROAD, UTILITY OR PRIVATE EASEMENT, RIGHT-OF-WAY, OR OTHER PROPERTY AGREEMENT THE CONTRACTOR SHALL DO ALL WORK WITHIN THAT AREA PER THE AUTHORITY HAVING JURISDICTION...
11. WHEN SEPARATE SITE AND BUILDING CONTRACTS ARE PERFORMED THE SITE CONTRACTOR SHALL BE RESPONSIBLE TO BRING UTILITIES TO WITHIN 5 FEET OF BUILDING FACE UNLESS NOTED OTHERWISE ON DRAWINGS OR CONTRACT DOCUMENTS...
12. ALL EXISTING UTILITIES ARE SHOWN PER SURFACE SURVEYS AND/OR RECORD MAPS AND MAY VARY FROM ACTUAL IN FIELD LOCATIONS...
13. CONTRACTOR SHALL FURNISH AND APPLY WATER AND/OR CALCIUM CHLORIDE AS NECESSARY TO CORRECT DUSTY CONDITIONS RESULTING FROM LOCAL TRAFFIC ON THE STREET OR CONTRACTORS OPERATIONS...
14. REFER TO PROJECT MANUAL, IF APPLICABLE, FOR ADDITIONAL CONTRACT REQUIREMENTS AND SPECIFICATIONS.

CLEAR AND GRUB

- 1. THE CONTRACTOR SHALL REVIEW PLANS AND IDENTIFY AND SAFELY MARK ALL PLANTS AND TREES TO BE SAVED...
2. ALL AREAS TO BE CLEARED AND GRUBBED SHALL BE SURVEYED IN THE FIELD TO ESTABLISH THE APPROPRIATE LIMITS OF WORK...
3. THE CONTRACTOR SHALL TAKE WHATEVER MEASURES NECESSARY TO LOCATE AND PROTECT EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES...
4. ALL TREES, SHRUBS, STUMPS, ROOTS AND OTHER DEBRIS SHALL BE REMOVED FROM SITE AND DISPOSED OF IN A LEGAL MANNER...
5. NO BURNING OR BURYING WILL BE ALLOWED ON SITE.

EARTHWORK

- 1. PRIOR TO STARTING ANY CUTS OR FILLS THE CONTRACTOR SHALL STRIP AND STOCKPILE ALL TOPSOIL...
2. THE GRADES SHOWN ON THE PLANS UNLESS OTHERWISE NOTED ARE FINISHED GRADES...
3. THE CONTRACTOR SHALL MAINTAIN A SURVEY GRID OF NOT LESS THAN 100' X 100' OR OTHER MEANS ACCORDING TO THE OWNER'S REPRESENTATIVE...
4. UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE CONTRACT DOCUMENTS THE CONTRACTOR SHALL RETAIN AND PAY ALL COST FOR SOIL COMPACTION TESTING...
5. COMPACTION REQUIREMENTS SHALL BE THOSE OUTLINED IN THE SOILS REPORT...
6. UNLESS OTHERWISE NOTED IN THE SOILS REPORT OR ON THE DRAWINGS THE ON SITE MATERIAL SHALL BE USED TO MAKE FILLS...
7. FILLS SHALL BE PLACED IN LIFTS NOT TO EXCEED 1 FOOT IN MASS FILLS AND 8 INCHES IN TRENCH OR RESTRICTED AREAS...
8. IF IMPORTED MATERIAL IS REQUIRED THE SOURCE AND A RANDOM COMPOSITE SAMPLE SHALL BE REVIEWED BY THE TESTING LABORATORY...
9. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EARTHWORK OPERATIONS FROM WEATHER AND GROUND WATER INCLUDING KEEPING POSITIVE DRAINAGE, DIVERT DRAINAGE, DEWATERING, AND SEALING DISTURBED AREAS WITH A STEEL DRUM ROLLER...

- 10. PRIOR TO PLACEMENT OF FILLS THE AREA SHALL BE PROOF ROLLED WITH A 10 TON ROLLER OR A LOADED 10 WHEEL DUMP TRUCK...
11. ALL FINAL SUBGRADE UNDER PROPOSED PAVEMENT, BUILDING OR OTHER STRUCTURE SHALL BE PROOF ROLLED AND RESPECTED FOR IDENTIFIED SOFT SPOTS...
12. TRENCH EXCAVATION REQUIRING SHEETING, SHORING, OR OTHER STABILIZING DEVICES SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER...
13. TRENCH EXCAVATIONS SHALL BE MADE UNIFORM AND STRAIGHT TO THE FOLLOWING WIDTHS...
14. IF ROCK IS ENCOUNTERED THAT WAS NOT INDICATED ON THE PLANS OR SOILS REPORT...
15. WHERE ROCK IS ADJACENT TO A STRUCTURE OR UTILITY THE ROCK SHALL BE REMOVED TO A MINIMUM OF 6 INCHES BELOW AND TIMES THE DIAMETER BUT NOT LESS THAN 1 FOOT OR GREATER THAN 3 FEET ON ANY SIDE...
16. NO EXPLOSIVES WILL BE ALLOWED UNTIL ALL PERMITS ARE GRANTED...
17. UNLESS OTHERWISE NOTED ON THE PLANS, THE CONTRACTOR SHALL REMOVE ALL EXCESS TOPSOIL, CUT MATERIAL OR WASTE FROM SITE AND DISPOSE OF IN A LEGAL MANNER.

EROSION CONTROL

- 1. PRIOR TO CONSTRUCTION EQUIPMENT ENTERING OR EXITING THE SITE, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE BUILT UNLESS EXISTING CONDITIONS PREVENT ANY TRACKING OF DIRT, MUD OR DEBRIS OFF THE SITE...
2. ALL EROSION CONTROL DEVICES SHALL BE PLACED AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH FEDERAL, STATE, LOCAL AND MANUFACTURERS RECOMMENDATIONS...
3. SILT FENCE SHALL HAVE HARD WOOD STAKES 2X2 INCH AND 4 FEET LONG WOVEN INTO THE FABRIC...
4. SILT FENCE SHALL BE PLACED WHEREVER SURFACE DRAINAGE CAN LEAVE THE SITE...
5. STONE FILTERS SHALL BE PLACED IN ALL DRAINAGE WAYS BUT NOT IN STREAMS, CREEKS OR RIVERS...
6. SEDIMENT TRAPS SHALL BE PLACED AND MAINTAINED AS NEEDED...
7. TEMPORARY SEEDING SHALL CONSIST OF LIME @ 1/2 TON PER ACRE, FERTILIZER 5-10-10 @ 600 POUNDS PER ACRE, RYEGRASS (ANNUAL OR PERENNIAL) @ 40 POUNDS PER ACRE AND STRAW MULCH @ 2 TON PER ACRE.

WATER SYSTEMS AND SERVICES

- 1. THE WATER SYSTEMS AND SERVICES SHALL BE SUPPLIED AND PLACED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS...
2. ALL WATER PIPING, FITTINGS AND APPURTENANCES SHALL BE PLACED A MINIMUM OF 6 INCHES BELOW FROST LINE OR 5 FEET WHICHEVER IS GREATER...
3. THE MINIMUM SEPARATION BETWEEN WATER SERVICES AND SEWER LINES SHALL BE 18 INCHES MEASURED INSIDE OF PIPE...
4. CURB STOPS SHALL HAVE A BRONZE BODY, GROUND KEY PLUG OR BALL WITH WIDE TEE HEAD...
5. ALL BEDDING AND ENCASEMENTS SHALL BE COMPACTED WITH CARE TO ACHIEVE PROPER COMPACTION WITHOUT DAMAGING THE PIPE, FITTINGS, OR APPURTENANCES...
6. THE CONTRACTOR WILL COORDINATE ALL TESTING AND DISINFECTING WITH THE HEALTH DEPARTMENT...
7. FAILURE OF ANY TESTING SHALL REQUIRE THE CONTRACTOR TO REPAIR OR REPLACE THE FAILED SECTION AT NO ADDITIONAL EXPENSE TO THE CONTRACT.

STORM WATER SYSTEM

- 1. THE STORM WATER SYSTEM SHALL BE SUPPLIED AND PLACED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS...
2. STORM DESIGN INCLUDES MANY VARIABLES SUCH AS PIPE ROUGHNESS COEFFICIENT THAT CAN AFFECT THE ACTUAL FINAL RUN-OFF...
3. ALL STORM MATERIAL SIZES, TYPES AND SPECIFICS ARE LISTED ON THE DRAWINGS...
4. CORRUGATED POLYETHYLENE PIPE (HDPE) SHALL BE IN ACCORDANCE WITH AASHTO M252 AND M294 AND ASTM F405 & F687 WITH A MINIMUM FRICTION NUMBER (N) OF 0.011 OR LESS...
5. CONCRETE PIPE SHALL BE REINFORCED, PIPE 18" IN DIAMETER OR LESS SHALL BE OF THE BELL AND SPIGOT TYPE...
6. END SECTIONS SHALL BE THE SAME MATERIAL AS THE PRECEDING PIPE WITH APPROPRIATE COLLAR, MANHOLES (MH) AND CATCH BASINS (CB) SHALL BE PROVIDED PER ASTM C478 WITH STEEL CORE POLYETHYLENE STEPS...

- 6. END SECTIONS SHALL BE THE SAME MATERIAL AS THE PRECEDING PIPE WITH APPROPRIATE COLLAR, MANHOLES (MH) AND CATCH BASINS (CB) SHALL BE PROVIDED PER ASTM C478 WITH STEEL CORE POLYETHYLENE STEPS...
7. ALL FINAL SUBGRADE UNDER PROPOSED PAVEMENT, BUILDING OR OTHER STRUCTURE SHALL BE PROOF ROLLED AND RESPECTED FOR IDENTIFIED SOFT SPOTS...
8. DROP INLETS SHALL BE PRECAST REINFORCED CONCRETE UNIT WITH INTEGRAL PRECAST BASE...
9. FRAME AND GASKETS ABOVE COVERS SHALL BE GRAY IRON MATERIAL MEETING ASTM A48-83 CLASS 30B WITH A TENSILE STRENGTH OF 30,000 PSI...
10. CLEANOUTS SHALL BE MADE OF THE SAME PIPE MATERIAL AS THE CARRIER PIPE...
11. PERFORATED STORM PIPE SHALL BE POLYETHYLENE PIPE WITH ALL THE REQUIREMENTS LISTED ABOVE EXCEPT THAT IT IS NOT REQUIRED TO BE SMOOTH-LINED...
12. DRY WELLS SHALL MEET THE SAME REQUIREMENTS AS THOSE LISTED FOR MANHOLES...
13. TRENCH DRAINS UNLESS OTHERWISE NOTED SHALL BE MADE WITH 4 INCH PERFORATED CORRUGATED POLYETHYLENE PIPE ENCASED IN CLEAN STONE SIZED BETWEEN 2 INCH AND 1/4 INCH AND THEN WRAPPED IN FILTER FABRIC...
14. RIP RAP SHALL BE PLACED AT THE END OF ALL OUTFALL STRUCTURES...
15. ALL JOINTS BETWEEN PIPES AND PRECAST STRUCTURES SHALL BE MORTARED TIGHT...
16. ALL PIPE SHALL BE PLACED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION AND TO THE LINES AND GRADES SHOWN ON THE DRAWINGS...
17. ALL SYSTEMS SHALL BE VISUALLY INSPECTED FOR ALIGNMENT AND WORKMANSHIP...
18. ANY PIPES FOUND WITH DIAMETER DEFLECTIONS GREATER THAN 5% OF THE SPECIFIED PIPE DIAMETER WILL BE REPAIRED OR REPLACED...
19. ANY CLEANING, REPAIRS OR REPLACEMENT REQUIRED DUE TO FAILURE OF TESTING OR POOR WORKMANSHIP SHALL BE DONE BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE CONTRACT.

SANITARY SEWER SYSTEMS

- 1. THE SANITARY SEWER SYSTEM SHALL BE SUPPLIED AND PLACED IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS...
2. ALL SANITARY SEWER MATERIAL SIZES, TYPES AND SPECIFICS ARE LISTED ON THE DRAWINGS...
3. UNLESS OTHERWISE NOTED SANITARY PIPE AND FITTINGS SHALL BE POLYVINYL CHLORIDE (PVC) PER ASTM D3034, SDR 35, WITH GASKETS PER ASTM D3212, ELASTOMERIC SEAL...
4. CLEANOUTS SHALL BE MADE OF THE SAME PIPE MATERIAL AS THE CARRIER PIPE...
5. ALL PIPE SHALL BE PLACED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION AND TO THE LINES AND GRADES SHOWN ON THE DRAWINGS...
6. ALL SYSTEMS SHALL BE VISUALLY INSPECTED FOR ALIGNMENT AND WORKMANSHIP...
7. ALL TAPS TO MAIN LINES SHALL BE MADE WITH SADDLES WHEN THE TAP IS 1/2 THE DIAMETER OR LESS...
8. THE CONTRACTOR SHALL PROVIDE ANY TESTING REQUIRED BY THE AUTHORITY HAVING JURISDICTION INCLUDING INSPECTION...
9. ANY WORK WITHIN THE NYSDOT RIGHT OF WAY SHALL BE DONE IN ACCORDANCE WITH THE PERMIT ISSUED BY NYSDOT.

PAVEMENT AND STRUCTURAL SUBBASE

- 1. THE TYPE OF SUBBASE REQUIRED FOR EACH USE SHALL BE CALLED OUT ON THE DRAWINGS...
2. SUBBASE SHALL BE PLACED IN LIFTS NOT TO EXCEED 12 INCHES AND COMPACTED TO THE REQUIREMENTS STATED IN THE LOCAL REPORT OF FUTURE ROADWAY...
3. FINAL GRADING OF SUBBASE SHALL BE TO ± 1/4 INCH OF THAT DESIGNATED ON THE DRAWINGS...
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS IN PREPARING THE SUBGRADE TO RECEIVE SUBBASE...
5. THE AMOUNT OF TESTING REQUIRED TO VERIFY THE COMPACTION SHALL BE THE SAME AS STATED UNDER EARTHWORK.

CONCRETE CURBS, SIDEWALKS AND GUTTERS

- 1. THE DIMENSIONS SHALL BE THOSE SHOWN ON THE DRAWINGS...
2. SIDEWALKS, GUTTERS AND CURBS SHALL BE PLACED ON COMPACTED SUBBASE...
3. ALL FORMING, PLACEMENT, MATERIALS AND CURING SHALL CONFORM TO THE LATEST ADDITION OF ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE"...
4. REINFORCING SHALL BE IN ACCORDANCE WITH THAT SPECIFIED ON THE DRAWINGS...
5. SIDEWALKS, AND GUTTERS SHALL HAVE A BROOM FINISH PERPENDICULAR TO FLOW...
6. EXPANSION JOINTS SHALL BE PLACED EVERY 50 FEET AND AT ADJOINING STRUCTURES SUCH AS WALLS, MANHOLES AND VAULTS...
7. SIDEWALKS, AND GUTTERS SHALL BE PLACED IN ACCORDANCE WITH THE DRAWINGS...
8. EXPANSION JOINTS SHALL BE PLACED EVERY 50 FEET AND AT ADJOINING STRUCTURES SUCH AS WALLS, MANHOLES AND VAULTS...
9. SIDEWALKS, AND GUTTERS SHALL BE PLACED IN ACCORDANCE WITH THE DRAWINGS...
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ASPHALT PAVEMENT

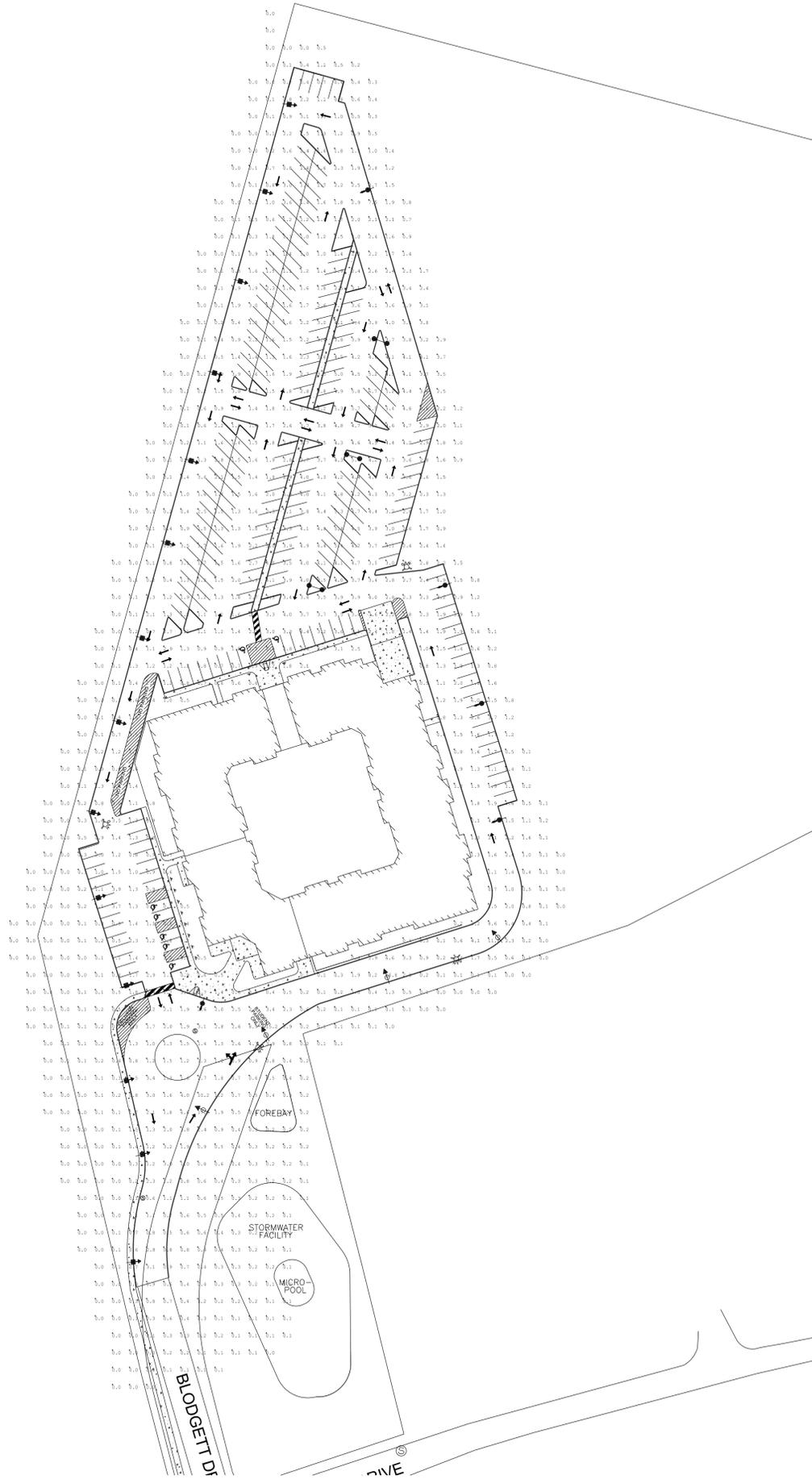
- 1. ASPHALT SHALL BE THE TYPE OR TYPES SPECIFIED ON THE DRAWINGS...
2. ASPHALT WILL NEVER BE PLACED WHEN THE OUTSIDE TEMPERATURE IS 45 DEGREES F AND RISING...
3. SURFACES THAT WILL ABUT THE NEW ASPHALT SHALL BE TACK COATED PRIOR PLACEMENT OF ASPHALT INCLUDING CURBS, GUTTER, EXISTING ASPHALT, AND STRUCTURES...
4. ASPHALT SHALL BE PLACED IN LAYERS EQUAL TO THOSE SPECIFIED ON THE PLANS...
5. PLACEMENT AND COMPACTION REQUIREMENTS SHALL BE THE SAME AS THOSE SPECIFIED BY THE STATE DEPARTMENT OF TRANSPORTATION...
6. WHEN MATCHING INTO EXISTING PAVEMENT ALL MATCH JOINTS SHALL BE SAW CUT TO PROVIDE A STRAIGHT SMOOTH JOINT...
7. PAVING EQUIPMENT SHALL BE OF GOOD CONDITION AND QUALITY...
8. WHEN PLACING BIT HYDROSEEDING APPLICATION SEED SHALL BE PLACED AT 80 POUNDS PER ACRE...
9. PLACING BY MECHANICAL MEANS FERTILIZER SHALL BE PLACED AT 25 POUNDS PER 1,000 SQUARE FEET...
10. WHEN PLACING BIT HYDROSEEDING APPLICATION SEED SHALL BE PLACED AT 80 POUNDS PER ACRE...
11. PAVEMENT MARKINGS SHALL BE THE TYPE, COLOR, SIZE AND LOCATIONS SHOWN ON THE PLANS...
12. THE SIGNAGE SHALL BE CLEAN AND FREE OF DIRT, DUST, MOISTURE, OILS AND OTHER FOREIGN MATERIALS...
13. THE SIGNAGE SHALL BE CLEAN AND FREE OF DIRT, DUST, MOISTURE, OILS AND OTHER FOREIGN MATERIALS...
14. POSTS, BRACKETS AND FRAMES SHALL BE STEEL PER ASTM A36, A242, A441, A572, A588, GRADE 50 AND HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123...
15. POST HOLES SHALL BE A MINIMUM OF FOUR FEET DEEP AND 12 INCHES IN DIAMETER...
16. CONTRACTOR CAN PLACE SIGNS ON POSTS AFTER CONCRETE HAS CURED FOR SEVEN DAYS OR 3/4 STRENGTH IS ACHIEVED...
17. ALL HANDICAP STRIPING AND SIGNAGE SHALL MEET AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS...
18. THE SEPARATION/STABILIZATION FABRIC SHALL BE A WOVEN GEOTEXTILE AND MEET THE FOLLOWING REQUIREMENTS:

SEEDING AND LANDSCAPING

- 1. ALL DISTURBED AREAS SHALL BE FINE GRADED REMOVING ALL ROOTS, STICKS, STONES AND DEBRIS GREATER THAN 2 INCHES IN ANY DIMENSION...
2. SEED, MULCH AND FERTILIZE AS NECESSARY TO RESTORE ALL DISTURBED AREAS TO ORIGINAL CONDITION OR BETTER...
3. LAWN FERTILIZER SHALL BE 55% NITROGEN, 10% PHOSPHORUS AND 10% POTASH WHERE 50% OF THE NUTRIENTS IS DERIVED FROM UREA-FORMIC SOURCE...
4. LAWN SEED WHEN NOT GIVEN ON THE PLANS SHALL BE 50% BY WEIGHT, 85% PURITY, 85% GERMINATION OF PENNINE PERENNIAL RYE, 30% BY WEIGHT, 97% PURITY, 85% GERMINATION OF PENNLAWN RED FESCUE, 20% BY WEIGHT, 85% PURITY, 80% GERMINATION OF COMMON KENTUCKY BLUEGRASS...
5. WHEN PLACING BIT HYDROSEEDING APPLICATION SEED SHALL BE PLACED AT 80 POUNDS PER ACRE...
6. IF PLACING BY MECHANICAL MEANS FERTILIZER SHALL BE PLACED AT 25 POUNDS PER 1,000 SQUARE FEET...
7. WATER LAWN AREAS AS NEEDED TO PROMOTE GROWTH...
8. LAWN FERTILIZER SHALL BE 55% NITROGEN, 10% PHOSPHORUS AND 10% POTASH WHERE 50% OF THE NUTRIENTS IS DERIVED FROM UREA-FORMIC SOURCE...
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**REVISIONS**

REV #	DATE	BY:
1	2/5/13	J.P.
2	2/14/13	J.P.
3	4/16/13	J.P.
4	4/24/13	J.P.



Label	Units	Avg	Max	Min	Avg/Min	Max/Min	FtSpcLx	FtSpcTb
OVERALL SUMMARY	Fc	2.36	17.2	0.1	23.60	172.00	15	15

Symbol	Qty	Label	Lumens	LLF	Description
	3	A	60000	0.850	WLS-RVS-L-5-575-NW-PSMH-FG-V 30' POLE 2'-6" BASE
	5	B	32000	0.800	WLS-RVS-M-3-320-NW-PSMH-FG-V 20' POLE 2'-6" BASE
	14	C	34000	0.900	WLS-RVS-M-FT-320-NW-PSMH-FG-V-GS 20' POLE 2'-6" BASE
	4	D	32000	0.800	WLS-RVS-M-3-320-NW-PSMH-FG-V-GS 20' POLE 2'-6" BASE

BASED ON THE INFORMATION PROVIDED, ALL DIMENSIONS AND LUMINAIRE LOCATIONS SHOWN REPRESENT RECOMMENDED POSITIONS. THE ENGINEER AND/OR ARCHITECT MUST DETERMINE APPLICABILITY OF THE LAYOUT TO EXISTING OR FUTURE FIELD CONDITIONS.

THIS LIGHTING PATTERN REPRESENTS ILLUMINATION LEVELS CALCULATED FROM LABORATORY DATA TAKEN UNDER CONTROLLED CONDITIONS UTILIZING CURRENT INDUSTRY STANDARD LAMP RATINGS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY APPROVED METHODS. ACTUAL PERFORMANCE OF ANY MANUFACTURER'S LUMINAIRE MAY VARY DUE TO VARIATION IN ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER VARIABLE FIELD CONDITIONS.

**HILLSIDE COMMONS  
ONEONTA, NY**

**WLS LIGHTING SYSTEMS**  
Consider the Impact!

1919 WINDSOR PLACE  
FORT WORTH, TX 76110  
WWW.WLSLIGHTING.COM

WLS-8905

DATE - 1/31/13

SCALE: 1"=60'

800-633-8711

PM: STEVE

BY: J.P.

SHEET 1 OF 1

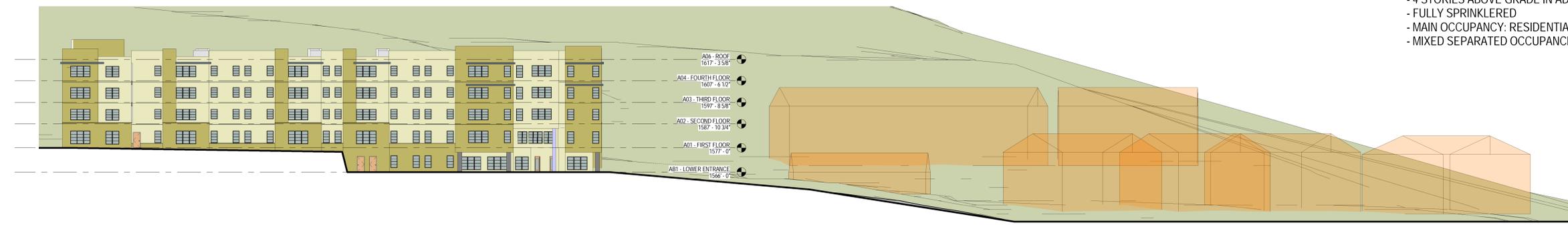


**SOUTH ELEVATION**



**WEST ELEVATION**

**BUILDING INFORMATION:**  
 - TYPE VA (LIGHT WOOD FRAME) CONSTRUCTION  
 - 4 STORIES ABOVE GRADE IN ADDITION TO BASEMENT LEVEL  
 - FULLY SPRINKLERED  
 - MAIN OCCUPANCY: RESIDENTIAL DWELLING UNITS - R2  
 - MIXED SEPARATED OCCUPANCIES (R, A, B)



**WEST ELEVATION / SITE SECTION**



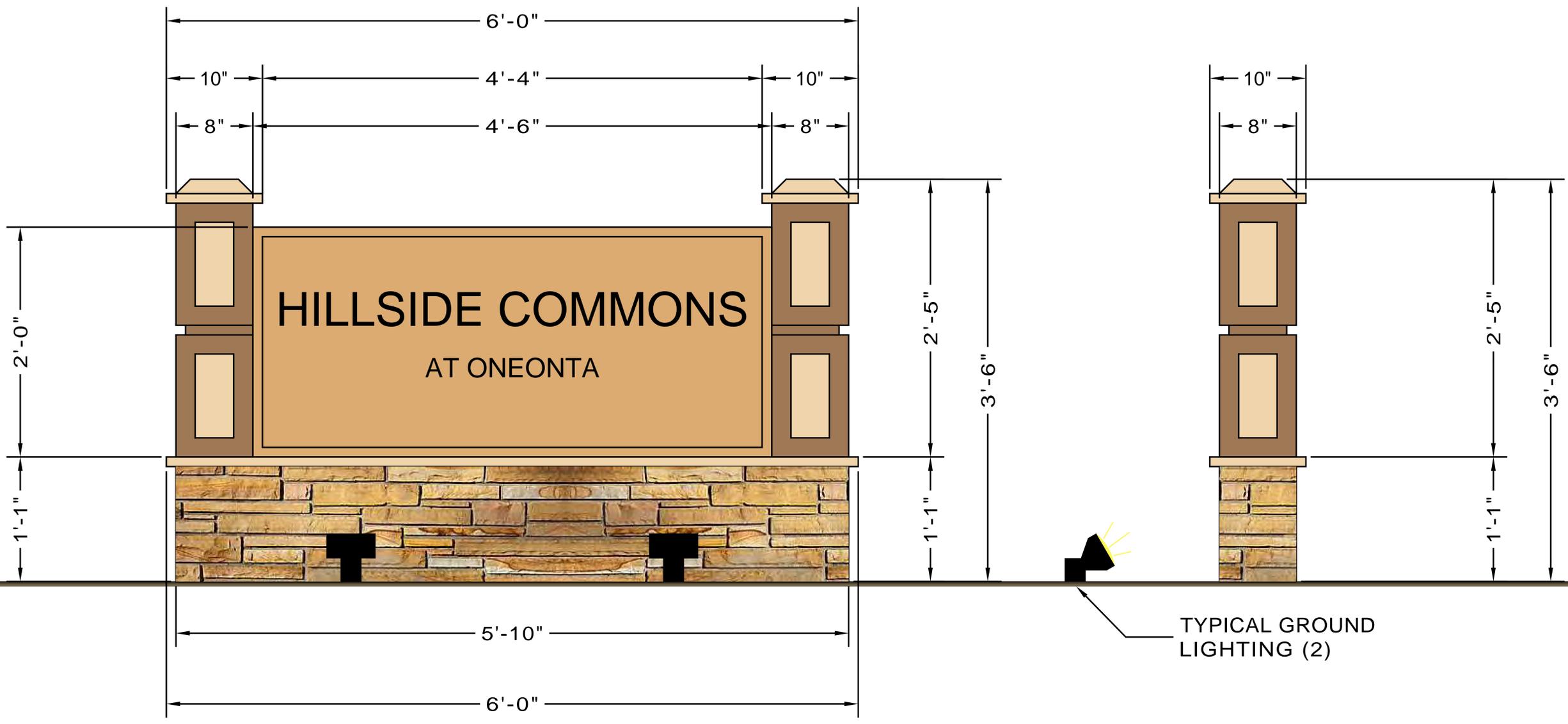
**NORTH ELEVATION**



**EAST ELEVATION**

No.	Revision/Issue	Date

HILLSIDE COMMONS  
 PROPOSED MONUMENT SIGN  
 150 BLODGETT DRIVE, ONEONTA, NY



**Proposed Monument Sign**  
 Elevation

**NEWMAN**  
 DEVELOPMENT GROUP LLC  
 P.O. Box 678  
 Vestal, New York 13851  
 Phone: (607) 770-0155  
 www.newmandevelopment.com

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Date	APRIL 29, 2013
Scale	3"=1'-0"
Sheet	