

I. PRECONSTRUCTION/PRELIMINARY

1.0 PERMITS AND LICENSES

- 1.1 THE CONTRACTOR SHALL OBTAIN ALL REQUIRED LOCAL, COUNTY AND/OR STATE PERMITS AND LICENSES.
- 1.2 ALL APPLICABLE FEDERAL, STATE AND LOCAL TAXES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 1.3 THE COSTS PAID FOR THE PERMITS BY THE CONTRACTOR ARE TO BE INCLUDED IN THE CONTRACTOR'S BID PRICE.
- 1.4 LEGIBLE COPIES OF ALL PERMITS ARE TO BE INCLUDED IN THE PROJECT CLOSEOUT DOCUMENTATION PACKAGE.

2.0 COMPLIANCE

- 2.1 ALL WORK IS TO BE COMPLETED IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND ALL APPLICABLE LOCAL, STATE AND FEDERAL STANDARDS & REGULATIONS.

3.0 GEOTECHNICAL INFORMATION

- 3.1 IF AVAILABLE, A PROFESSIONAL GEOTECHNICAL INVESTIGATION OF THE SITE WILL BE FURNISHED TO THE CONTRACTOR AS PART OF THE PROPOSAL PACKAGE FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN INTERPRETATION, AND THE LIABILITY THEROF, OF THE SUBSURFACE CONDITIONS DOCUMENTED IN THE GEOTECHNICAL REPORT. IF HE CONSIDERS THIS INFORMATION AND/OR SAMPLES TO BE LACKING OR INADEQUATE, HE SHALL CARRY OUT FURTHER INVESTIGATIONS, AT HIS OWN OPTION AND EXPENSE, TO SATISFY HIMSELF OF THE SUBSURFACE CONDITIONS.

4.0 SURVEYING AND LAYOUT

- 4.1 IF AVAILABLE, A SURVEY OF THE SITE SHALL BE FURNISHED TO THE CONTRACTOR AS PART OF THE PROPOSAL PACKAGE. THE CONTRACTOR SHALL USE A REGISTERED LAND SURVEYOR, AT HIS OWN EXPENSE, FOR ALL CONSTRUCTION SURVEYING THAT MAY BE REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS AND MASTER SPECIFICATIONS.
- 4.2 WHERE THE CONTRACTOR BELIEVES THAT NECESSARY DIMENSIONS ARE NOT SHOWN ON THE CONSTRUCTION DRAWINGS, HE MUST REQUEST THESE DIMENSIONS FROM THE PM IN WRITING BEFORE STARTING WORK. HE SHALL MAKE ADEQUATE PROVISION IN TIME FOR THE PM TO DETERMINE SUCH DIMENSIONS WITHOUT CAUSING DELAY IN THE WORK.

5.0 NOTICES UNDER THE CONTRACT

- 5.1 ALL NOTICES, APPLICATIONS, INSTRUCTIONS AND REQUESTS TO BE GIVEN TO THE CONTRACTOR UNDER THE CONTRACT WILL BE GIVEN VIA E-MAIL, FAX OR VERBALLY. AT HIS OWN DISCRETION, THE CONTRACTOR SHALL FOWARD TO THE PM WRITTEN CONFIRMATION OF ANY VERBAL DISCUSSION.

6.0 SUBSTITUTIONS AND VARIATIONS

- 6.1 THE CONTRACTOR SHALL FURNISH MATERIALS AS SHOWN OR APPROVED EQUAL, AND WORK IN PLACE IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS. NO DEVIATIONS SHALL BE MADE FROM THE CONSTRUCTION DRAWINGS WITHOUT PRIOR WRITTEN APPROVAL FROM THE PM.

- 6.1.1 EQUAL SUBSTITUTES SHALL BE SUBMITTED TO THE PM FOR WRITTEN APPROVAL PRIOR TO USE.

7.0 TEMPORARY WATER, POWER AND SANITARY FACILITIES

- 7.1 THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, AT HIS OWN EXPENSE, ANY REQUIRED TEMPORARY WATER, CONSTRUCTION POWER AND SANITARY FACILITIES NEEDED FOR THE COMPLETION OF THE CONSTRUCTION OF THE PROJECT.

8.0 COORDINATION WITH PUBLIC AUTHORITIES

- 8.1 THE CONTRACTOR SHALL COORDINATE WITH RELEVANT AUTHORITIES THE WORK THEY ARE TO CARRY OUT. HE SHALL CONDUCT HIS OPERATIONS SO AS NOT TO INTERFERE WITH THE OPERATIONS OF PUBLIC AND/OR PRIVATE UTILITY AUTHORITIES INSTALLING SERVICES AT THE SITE. COORDINATION OF UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.

- 8.1.1 THE CONTRACTOR WILL BE RESPONSABLE FOR THE PROTECTION OF UTILITIES AND ASSOCIATED STRUCTURES DURING CONSTRUCTION OF THE SITE.

- 8.1.2 THE CONTRACTOR IS RESPONSIBLE FOR HAVING ALL UTILITIES LOCATED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.

- 8.1.3 THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH DAMAGED EXISTING UTILITIES, INCLUDING BUT NOT LIMITED TO FINES AND REPAIR COSTS.

- 8.1.4 DO NOT INTERRUPT EXISTING UTILITIES WITHOUT PERMISSION FROM THE UTILITY AND THE APPROVAL OF THE PM. CONTRACTOR SHALL PROVIDE 48-HOUR NOTIFICATION TO THE PM AND CUSTOMERS AFFECTED BY THE INTERRUPTION.

- 8.1.5 WHERE INACTIVE/ABANDONED UTILITIES ARE ENCOUNTERED WITHIN THE SITE THAT INTERFERE WITH THE EXECUTION OF THE CONSTRUCTION WORK, THE CONTRACTOR SHALL REMOVE AND/OR TERMINATE SUCH UTILITIES IN ACCORDANCE WITH THE UTILITY COMPANY'S RECOMMENDATION.

9.0 USE OF PUBLIC ROADS AND TRAFFIC CONTROL

- 9.1 THE CONTRACTOR SHALL MAINTAIN ALL ROADS FREE OF ANY DEBRIS OR OTHER MATERIAL THAT MAY FALL FROM HIS EQUIPMENT OR OTHERWISE BE DEPOSITED ON THE ROADS. ALL SUCH MATERIAL SHALL BE PROMPTLY REMOVED AND THE ROAD CLEANED TO THE SATISFACTION OF THE GOVERNING AUTHORITIES.

- 9.1.1 THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL REPAIR ANY DAMAGE TO PUBLIC ROADS CAUSED BY THE CONTRACTOR TO THE SATISFACTION OF THE GOVERNING AUTHORITIES.

- 9.2 THE CONTRACTOR IS TO ARRANGE HIS USE OF PUBLIC AND PRIVATE ROADS IN ACCORDANCE WITH THE RELEVANT AUTHORITY'S REQUIREMENTS.

10.0 INSPECTIONS

- 10.1 THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ENSURING THAT ALL RELEVANT AUTHORITY INSPECTIONS ARE CARRIED OUT IN A TIMELY MANNER.

- 10.2 THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF ALL INSPECTIONS.

11.0 EXPLOSIVES

- 11.1 THE USE OF EXPLOSIVES WILL BE PERMITTED ONLY WITH THE WRITTEN PERMISSION OF THE PROPERTY OWNER AND THE PM. WHEN APPROVED, BLASTING SHALL BE CARRIED OUT IN STRICT ACCORDANCE WITH THE REGULATIONS OF ALL AUTHORITIES HAVING JURISDICTION OVER THE WORK.

- 11.2 ADJOINING PROPERTY OWNERS LIKELY AFFECTED BY THE BLASTING SHALL BE NOTIFIED IN ADVANCE, IN WRITING. ALL SUCH NOTIFICATIONS SHALL BE COPIED TO THE PM.

- 11.3 THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CLAIMS AS A RESULT OF HIS BLASTING ACTIVITY.

12.0 NOISE LEVELS

- 12.1 THE CONTRACTOR SHALL ENSURE THAT STATE AND LOCAL REGULATIONS ARE COMPLIED WITH IN REGARD TO NOISE LEVELS PRODUCED BY HIS OR HER SUBCONTRACTOR'S EQUIPMENT OR METHODS OF CONSTRUCTION.

13.0 DUST CONTROL

- 13.1 THE CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO LIMIT THE CREATION OF ANY DUST NUISANCE THAT MIGHT ARISE DURING CONSTRUCTION, TO THE SATISFACTION OF THE LOCAL AUTHORITIES AND THE PROPERTY OWNER.

14.0 PRESERVATION OF TREES AND SHRUBS

- 14.1 THE CONTRACTOR AND HIS EMPLOYEES AND SUBCONTRACTORS SHALL REFRAIN FROM DESTROYING, REMOVING OR CLEARING TREES AND SHRUBS UNLESS SPECIFICALLY REQUIRED ON THE CONSTRUCTION DRAWINGS OR APPROVED BY THE PM.

II. ROAD LAYOUT

1.0 MINIMUM WIDTH - 12' (UNLESS OTHERWISE NOTED).

2.0 ROAD BED COMPACTION - REFER TO SITE DETAILS

3.0 EROSION CONTROL AT ROAD

- 3.1 THE CONTRACTOR SHALL INSTALL AND MAINTAIN AT ALL TIMES SUFFICIENT MEASURES TO PREVENT SOIL AND DEBRIS FROM CONTAMINATING ADJACENT PROPERTIES, ROADS, WALKWAYS, STORM DRAINAGE SYSTEMS AND WATERWAYS. SEE DRAWINGS.

4.0 PUBLIC ROADS

- 4.1 THE CONNECTION OF ACCESS ROADS TO PUBLIC THOROUGHFARES SHALL CONFORM TO THE STANDARDS OF THE DEPARTMENT OF TRANSPORTATION HAVING JURISDICTION IN THAT AREA.

5.0 CLEARING AND GRUBBING OF ROADWAY

- 5.1 THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL ROAD CENTERLINES, CURB CUTS, ETC.

- 5.2 WITHIN THE STANDARD ROAD AREA, THE CONTRACTOR SHALL REMOVE ALL TREES, STUMPS, LOGS, ROOTS, BRUSH, SURFACE BOULDERS, EXISTING FOUNDATIONS, FENCES AND STRUCTURES OF ALL DESCRIPTIONS. ALL GRUB HOLES OR OTHER DEPRESSIONS RESULTING FROM THE CLEARING AND/OR GRUBBING WORK SHALL BE BACKFILLED AND COMPACTED WITH APPROVED MATERIAL.

- 5.2.1 BURIAL OF MATERIAL ON SITE CAN ONLY BE DONE WITH WRITTEN PERMISSION FROM THE LANDOWNER, THE PM AND MEETING ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.

6.0 FILL & BORROW MATERIAL - REFER TO SITE DETAILS

III. SITE WORK

1.0 EROSION CONTROL

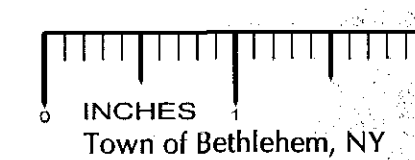
- 1.1 THE CONTRACTOR SHALL INSTALL AND MAINTAIN AT ALL TIMES SUFFICIENT MEASURES TO PREVENT SOIL AND DEBRIS FROM CONTAMINATING ADJACENT PROPERTIES, ROADS, WALKWAYS, STORM DRAINAGE SYSTEMS AND WATERWAYS.

- 1.2 ONCE GRADING OPERATIONS ARE COMPLETE, ALL DISTURBED AREAS THAT ARE NOT PAVED OR GRAVEL OR HAVE STRUCTURES, SHALL BE PLANTED WITH SEED AND MULCH OR SOD, AS INDICATED ON THE CONSTRUCTION DRAWINGS.

2.0 CLEARING AND GRUBBING OF SITE

- 2.1 THE CONTRACTOR SHALL PROPERLY IDENTIFY THE AREAS TO BE CLEARED AS SHOWN ON THE CONSTRUCTION DRAWINGS.

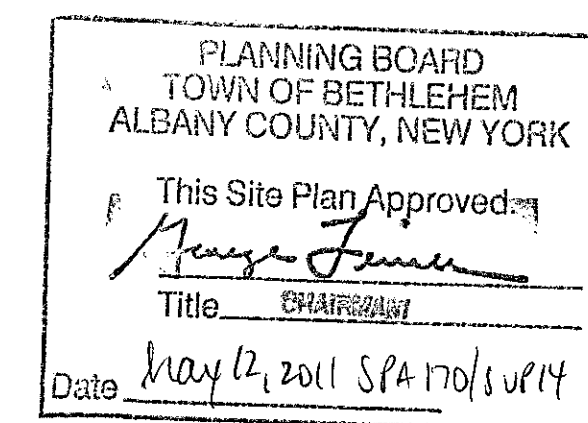
- 2.2 DRIVEWAY CONSTRUCTION: DRIVEWAY IMPROVEMENT WILL BE UNDERTAKEN AS PER TOWN CODE 128-66 DRIVEWAY CONSTRUCTION B) DRIVEWAYS OVER 200' IN LENGTH SHALL BE CONSTRUCTED IN ACCORDANCE WITH TOWN SPECIFICATIONS (HIGHWAY STANDARD SPECIFICATIONS (12/3/2009) PARAGRAPH 7)- NYSDOT APPROVED TYPE 4 GRAVEL, HAVING A MAXIMUM AGGREGATE SIZE OF 6". THE BASE GRAVEL SHALL BE WITHIN 8" OF FINISH PAVEMENT GRADE AFTER COMPACTION. GENERALLY, WHEN THE SUBGRADE IS SAND, THE ROAD GRAVEL SHALL BE A MINIMUM OF 14" DEEP. WHEN THE SUBGRADE IS CLAY, THE ROAD GRAVEL SHALL BE A MINIMUM OF 18" DEEP. THESE DEPTHS MAY INCREASE IF REQUIRED BY THE TOWN ENGINEER OR THE TOWN SUPERINTENDENT OF HIGHWAYS. THE SECOND COURSE SHALL BE "CRUSHER RUN" CRUSHED LIMESTONE, CONFORMING TO NYSDOT STANDARD SPECIFICATION 304-2.02 TYPE 2 AND SHALL BE PLACED TO WITHIN 4" OF FINISH PAVEMENT GRADE AFTER COMPACTION. ALL GRAVEL SHALL BE PLACED IN SUCH A MANNER TO MINIMIZE SEGREGATION. NO GRAVEL SHALL BE PLACED UNDER ADVERSE WEATHER CONDITION.



Town of Bethlehem, NY

CIVIL LEGEND

- △ CONTROL POINT
- x EXISTING SPOT ELEVATION
- x NEW SPOT ELEVATION
- WV WATER VALVE
- Ⓢ SANITARY SEWER MANHOLE
- EXISTING PROPERTY LINE (NON-SURVEYED)
- EXISTING RIGHT-OF-WAY LINE
- NEW LEASE PARCEL LINE
- 275----- EXISTING CONTOURS
- 275----- NEW CONTOURS
- EXISTING CHAINLINK FENCE
- NEW CHAINLINK FENCE
- EXISTING TREE LINE
- NEW TREE LINE
- NEW EASEMENT
- 8" SS EXISTING SANITARY SEWER
- G EXISTING NATURAL GAS LINE
- G- NEW SILT FENCE
- NEW CONSTRUCTION EXIT



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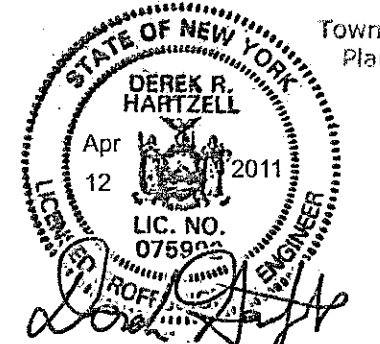
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|--------------|----------------|
| DESIGNED BY: | DATE: |
| DRB | 5/5/09 |
| APPROVED BY: | A&E PROJECT #: |
| DWC | 09-BV-172 |

| REVISIONS | | |
|-----------|---------|----------------------|
| 12. | 4/5/11 | ROTATED AT&T SHELTER |
| 11. | 4/1/11 | REVISED PER REDLINES |
| 10. | 3/30/11 | REVISED PER REDLINES |
| 9. | 3/3/11 | REVISED PER REDLINES |
| 8. | 2/7/11 | REVISED PER REDLINES |
| 7. | 2/3/11 | REVISED PER REDLINES |
| NO. | DATE | DESCRIPTION |

RECEIVED

MAY 2 2011

Town of Bethlehem
Planning Board



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|---------------|--|
| SITE NAME: | ESCO TOWER DELMAR-VAN DYKE ROAD |
| SITE NUMBER: | A-04-010 |
| SITE ADDRESS: | 75 VAN DYKE ROAD DELMAR, NEW YORK 12054 |
| SITE TYPE: | RAW LAND |

| | |
|------------------------|-----------|
| SHEET TITLE: | |
| LEGEND & GENERAL NOTES | |
| DRAWING #: | REVISION: |
| Z1 | 12 |