



CONSTRUCTION PHASE SEQUENCING		
(SEE PLAN & PROPOSED SHEETS 581-587 FOR ADDITIONAL UTILITY, GRADING, & ROADWAY INFORMATION)		
THIS PLAN AND THE ACCOMPANYING SWPPP PREPARED BY THE CHAZEN COMPANIES & SUBMITTED ON FEB. 6, 2008 ARE CONSIDERED AN INTEGRAL PART OF THE PHASING PLAN. THEREFORE THE PLAN IS NOT CONSIDERED COMPLETE WITHOUT THE SWPPP. SEE SWPPP SECTION 7 "SEQUENCE OF MAJOR OPERATIONS" FOR ADDITIONAL INFORMATION.		
PHASE	AREA	DESCRIPTION
A	4.80 ACRES: (217,700 SF±)	INSTALL TEMPORARY ORANGE CONSTRUCTION FENCE ADJACENT TO THE WETLANDS, WHERE REQUIRED. INSTALL EROSION CONTROL MEASURES, AS REQUIRED. CLEAR & GRUB AREA WITHIN PROPOSED 50' ROW. ROUGH GRADE ROADWAY & INSTALL WATER MAINS, SANITARY SEWERS, STORM SEWERS, ROADWAY UNDER DRAINS, CATCH BASINS, HYDRANTS, VALVES, SANITARY MANHOLES, STORM MANHOLES, WATER SERVICES, SUMP PUMP LATERALS, & SANITARY SEWER LATERALS TO THE ROW. PLACE 6" OF SUBBASE COURSE MATERIAL. SEED & MULCH ALL DISTURBED ADJACENT SURFACES OUTSIDE THE ROADWAY SUBBASE SURFACE. MAKE CONNECTION TO EXISTING SANITARY SEWER MANHOLES. PROVIDE STUBS & TEMPORARY CAPS FOR ALL SEWER LATERALS. PROVIDE TEMPORARY DEAD END CAPS & THRUST BLOCKS ON WATER MAINS. CLEAR & GRUB WITHIN STORMWATER MANAGEMENT AREA. EXCAVATE THE BASIN TO THE FINAL DEPTHS & CROSS SECTIONS. INSTALL ALL FLARED END SECTIONS WITH RIP RAP APRONS. OUTLET CONTROL STRUCTURES, & ASSOCIATED STORM PIPING. INSTALL MAINTENANCE ACCESS ROADS. SEED & MULCH ALL DISTURBED AREAS.
B	4.82 ACRES: (210,168 SF±)	INSTALL TEMPORARY ORANGE CONSTRUCTION FENCE ADJACENT TO THE WETLANDS, WHERE REQUIRED. INSTALL EROSION CONTROL MEASURES, AS REQUIRED. CLEAR & GRUB WITHIN THE BUILDING LOTS TO THE WORK LIMIT LINE (CLEARING & GRADING LIMIT LINE). PERFORM FINAL GRADING & CONSTRUCTION OF GRASS SWALES. SEED & MULCH ALL DISTURBED AREAS.
C	3.67 ACRES: (158,657 SF±)	INSTALL TEMPORARY ORANGE CONSTRUCTION FENCE ADJACENT TO THE WETLANDS, WHERE REQUIRED. INSTALL EROSION CONTROL MEASURES, AS REQUIRED. CLEAR & GRUB AREA WITHIN PROPOSED 50' ROW. ROUGH GRADE ROADWAY & INSTALL WATER MAINS, SANITARY SEWERS, STORM SEWERS, ROADWAY UNDER DRAINS, CATCH BASINS, HYDRANTS, VALVES, SANITARY MANHOLES, STORM MANHOLES, WATER SERVICES, SUMP PUMP LATERALS, & SANITARY SEWER LATERALS TO THE ROW. PLACE 6" OF SUBBASE COURSE MATERIAL. SEED & MULCH ALL DISTURBED ADJACENT SURFACES OUTSIDE THE ROADWAY SUBBASE SURFACE. MAKE CONNECTION TO EXISTING SANITARY SEWER MANHOLES. PROVIDE STUBS & TEMPORARY CAPS FOR ALL SEWER LATERALS. PROVIDE TEMPORARY DEAD END CAPS & THRUST BLOCKS ON WATER MAINS. CLEAR & GRUB WITHIN STORMWATER MANAGEMENT AREA. EXCAVATE THE BASIN TO THE FINAL DEPTHS & CROSS SECTIONS. INSTALL ALL FLARED END SECTIONS WITH RIP RAP APRONS. OUTLET CONTROL STRUCTURES, & ASSOCIATED STORM PIPING. INSTALL MAINTENANCE ACCESS ROADS. SEED & MULCH ALL DISTURBED AREAS.
D	4.17 ACRES: (181,641 SF±)	INSTALL TEMPORARY ORANGE CONSTRUCTION FENCE ADJACENT TO THE WETLANDS, WHERE REQUIRED. INSTALL EROSION CONTROL MEASURES, AS REQUIRED. CLEAR & GRUB WITHIN THE BUILDING LOTS TO THE WORK LIMIT LINE (CLEARING & GRADING LIMIT LINE). INSTALL STORM SEWER PIPING, CATCH BASINS, STORM MANHOLES, FLARED END SECTIONS WITH RIP RAP APRONS FOR DRAINAGE EASEMENTS. PERFORM FINAL GRADING & CONSTRUCTION OF GRASS SWALES. SEED & MULCH ALL DISTURBED AREAS.
E	4.37 ACRES: (190,504 SF±)	INSTALL TEMPORARY ORANGE CONSTRUCTION FENCE ADJACENT TO THE WETLANDS, WHERE REQUIRED. INSTALL EROSION CONTROL MEASURES, AS REQUIRED. CLEAR & GRUB WITHIN THE BUILDING LOTS TO THE WORK LIMIT LINE (CLEARING & GRADING LIMIT LINE). INSTALL STORM SEWER PIPING, CATCH BASINS, STORM MANHOLES, FLARED END SECTIONS WITH RIP RAP APRONS FOR DRAINAGE EASEMENTS. PERFORM FINAL GRADING & CONSTRUCTION OF GRASS SWALES. SEED & MULCH ALL DISTURBED AREAS.
F	4.82 ACRES: (214,285 SF±)	INSTALL TEMPORARY ORANGE CONSTRUCTION FENCE ADJACENT TO THE WETLANDS, WHERE REQUIRED. INSTALL EROSION CONTROL MEASURES, AS REQUIRED. CLEAR & GRUB AREA WITHIN PROPOSED 50' ROW. ROUGH GRADE ROADWAY & INSTALL WATER MAINS, SANITARY SEWERS, STORM SEWERS, ROADWAY UNDER DRAINS, CATCH BASINS, HYDRANTS, VALVES, SANITARY MANHOLES, STORM MANHOLES, WATER SERVICES, SUMP PUMP LATERALS, & SANITARY SEWER LATERALS TO THE ROW. PLACE 6" OF SUBBASE COURSE MATERIAL. SEED & MULCH ALL DISTURBED ADJACENT SURFACES OUTSIDE THE ROADWAY SUBBASE SURFACE. MAKE CONNECTION TO EXISTING SANITARY SEWER MANHOLES. PROVIDE STUBS & TEMPORARY CAPS FOR ALL SEWER LATERALS. PROVIDE TEMPORARY DEAD END CAPS & THRUST BLOCKS ON WATER MAINS. CLEAR & GRUB WITHIN THE BUILDING LOTS TO THE WORK LIMIT LINE (CLEARING & GRADING LIMIT LINE). PERFORM FINAL GRADING & CONSTRUCTION OF GRASS SWALES. SEED & MULCH ALL DISTURBED AREAS.
G	4.30 ACRES: (186,458 SF±)	INSTALL TEMPORARY ORANGE CONSTRUCTION FENCE ADJACENT TO THE WETLANDS, WHERE REQUIRED. INSTALL EROSION CONTROL MEASURES, AS REQUIRED. CLEAR & GRUB AREA WITHIN PROPOSED 50' ROW. ROUGH GRADE ROADWAY & INSTALL WATER MAINS, SANITARY SEWERS, STORM SEWERS, ROADWAY UNDER DRAINS, CATCH BASINS, HYDRANTS, VALVES, SANITARY MANHOLES, STORM MANHOLES, WATER SERVICES, SUMP PUMP LATERALS, & SANITARY SEWER LATERALS TO THE ROW. PLACE 6" OF SUBBASE COURSE MATERIAL. SEED & MULCH ALL DISTURBED ADJACENT SURFACES OUTSIDE THE ROADWAY SUBBASE SURFACE. MAKE CONNECTION TO EXISTING SANITARY SEWER MANHOLES. PROVIDE STUBS & TEMPORARY CAPS FOR ALL SEWER LATERALS. PROVIDE TEMPORARY DEAD END CAPS & THRUST BLOCKS ON WATER MAINS. CLEAR & GRUB WITHIN THE BUILDING LOTS TO THE WORK LIMIT LINE (CLEARING & GRADING LIMIT LINE). PERFORM FINAL GRADING & CONSTRUCTION OF GRASS SWALES. SEED & MULCH ALL DISTURBED AREAS.
H	4.24 ACRES: (184,740 SF±)	INSTALL TEMPORARY ORANGE CONSTRUCTION FENCE ADJACENT TO THE WETLANDS, WHERE REQUIRED. INSTALL EROSION CONTROL MEASURES, AS REQUIRED. CLEAR & GRUB AREA WITHIN PROPOSED 50' ROW. ROUGH GRADE ROADWAY & INSTALL WATER MAINS, SANITARY SEWERS, STORM SEWERS, ROADWAY UNDER DRAINS, CATCH BASINS, HYDRANTS, VALVES, SANITARY MANHOLES, STORM MANHOLES, WATER SERVICES, SUMP PUMP LATERALS, & SANITARY SEWER LATERALS TO THE ROW. PLACE 6" OF SUBBASE COURSE MATERIAL. SEED & MULCH ALL DISTURBED ADJACENT SURFACES OUTSIDE THE ROADWAY SUBBASE SURFACE. MAKE CONNECTION TO EXISTING SANITARY SEWER MANHOLES. PROVIDE STUBS & TEMPORARY CAPS FOR ALL SEWER LATERALS. PROVIDE TEMPORARY DEAD END CAPS & THRUST BLOCKS ON WATER MAINS. CLEAR & GRUB WITHIN THE BUILDING LOTS TO THE WORK LIMIT LINE (CLEARING & GRADING LIMIT LINE). PERFORM FINAL GRADING & CONSTRUCTION OF GRASS SWALES. SEED & MULCH ALL DISTURBED AREAS.
I	4.80 ACRES: (216,136 SF±)	INSTALL TEMPORARY ORANGE CONSTRUCTION FENCE ADJACENT TO THE WETLANDS, WHERE REQUIRED. INSTALL EROSION CONTROL MEASURES, AS REQUIRED. CLEAR & GRUB AREA WITHIN PROPOSED 50' ROW. ROUGH GRADE ROADWAY & INSTALL WATER MAINS, SANITARY SEWERS, STORM SEWERS, ROADWAY UNDER DRAINS, CATCH BASINS, HYDRANTS, VALVES, SANITARY MANHOLES, STORM MANHOLES, WATER SERVICES, SUMP PUMP LATERALS, & SANITARY SEWER LATERALS TO THE ROW. PLACE 6" OF SUBBASE COURSE MATERIAL. SEED & MULCH ALL DISTURBED ADJACENT SURFACES OUTSIDE THE ROADWAY SUBBASE SURFACE. MAKE CONNECTION TO EXISTING SANITARY SEWER MANHOLES. PROVIDE STUBS & TEMPORARY CAPS FOR ALL SEWER LATERALS. PROVIDE TEMPORARY DEAD END CAPS & THRUST BLOCKS ON WATER MAINS. CLEAR & GRUB WITHIN THE BUILDING LOTS TO THE WORK LIMIT LINE (CLEARING & GRADING LIMIT LINE). PERFORM FINAL GRADING & CONSTRUCTION OF GRASS SWALES. SEED & MULCH ALL DISTURBED AREAS.
J	4.74 ACRES: (206,474 SF±)	INSTALL TEMPORARY ORANGE CONSTRUCTION FENCE ADJACENT TO THE WETLANDS, WHERE REQUIRED. INSTALL EROSION CONTROL MEASURES, AS REQUIRED. CLEAR & GRUB AREA WITHIN PROPOSED 50' ROW. ROUGH GRADE ROADWAY & INSTALL WATER MAINS, SANITARY SEWERS, STORM SEWERS, ROADWAY UNDER DRAINS, CATCH BASINS, HYDRANTS, VALVES, SANITARY MANHOLES, STORM MANHOLES, WATER SERVICES, SUMP PUMP LATERALS, & SANITARY SEWER LATERALS TO THE ROW. PLACE 6" OF SUBBASE COURSE MATERIAL. SEED & MULCH ALL DISTURBED ADJACENT SURFACES OUTSIDE THE ROADWAY SUBBASE SURFACE. MAKE CONNECTION TO EXISTING SANITARY SEWER MANHOLES. PROVIDE STUBS & TEMPORARY CAPS FOR ALL SEWER LATERALS. PROVIDE TEMPORARY DEAD END CAPS & THRUST BLOCKS ON WATER MAINS. CLEAR & GRUB WITHIN THE BUILDING LOTS TO THE WORK LIMIT LINE (CLEARING & GRADING LIMIT LINE). PERFORM FINAL GRADING & CONSTRUCTION OF GRASS SWALES. SEED & MULCH ALL DISTURBED AREAS.
K	4.76 ACRES: (207,225 SF±)	INSTALL TEMPORARY ORANGE CONSTRUCTION FENCE ADJACENT TO THE WETLANDS, WHERE REQUIRED. INSTALL EROSION CONTROL MEASURES, AS REQUIRED. CLEAR & GRUB AREA WITHIN PROPOSED 50' ROW. ROUGH GRADE ROADWAY & INSTALL WATER MAINS, SANITARY SEWERS, STORM SEWERS, ROADWAY UNDER DRAINS, CATCH BASINS, HYDRANTS, VALVES, SANITARY MANHOLES, STORM MANHOLES, WATER SERVICES, SUMP PUMP LATERALS, & SANITARY SEWER LATERALS TO THE ROW. PLACE 6" OF SUBBASE COURSE MATERIAL. SEED & MULCH ALL DISTURBED ADJACENT SURFACES OUTSIDE THE ROADWAY SUBBASE SURFACE. MAKE CONNECTION TO EXISTING SANITARY SEWER MANHOLES. PROVIDE STUBS & TEMPORARY CAPS FOR ALL SEWER LATERALS. PROVIDE TEMPORARY DEAD END CAPS & THRUST BLOCKS ON WATER MAINS. CLEAR & GRUB WITHIN THE BUILDING LOTS TO THE WORK LIMIT LINE (CLEARING & GRADING LIMIT LINE). PERFORM FINAL GRADING & CONSTRUCTION OF GRASS SWALES. SEED & MULCH ALL DISTURBED AREAS.

- NOTE:**
1. CLEARING, GRUBBING, & TOPSOIL REMOVAL OPERATIONS SHALL BE DONE ONLY IN AREAS WHERE EARTHWORK WILL BE PERFORMED & ONLY IN AREAS WHERE CONSTRUCTION ACTIVITIES ARE PLANNED TO COMMENCE WITHIN 14 DAYS AFTER CLEARING, GRUBBING, & TOPSOIL REMOVAL OPERATIONS.
  2. CONTRACTOR SHALL MINIMIZE DUST & DEBRIS. CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST BY SPRINKLING EXPOSED SOIL AREAS PERIODICALLY WITH WATER AS REQUIRED. THE CONTRACTOR IS TO SUPPLY ALL EQUIPMENT & WATER. ALL DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS SHALL BE TEMPORARILY SEED, MULCH & WATERED.
  3. THIS PROJECT WILL NOT BE REQUESTING WRITTEN APPROVAL FROM NYSDEC ALLOWING THE DISTURBANCE OF MORE THAN FIVE (5) ACRES OF LAND AT ANY ONE TIME. THEREFORE, THE CONTRACTOR SHALL NOT DISTURB MORE THAN FIVE (5) ACRES, UNLESS A WAIVER IS GRANTED & WRITTEN AUTHORIZATION IS RECEIVED FROM THE NYSDEC.
  4. ANY PROPOSED CLEARING, GRADING AND PIPE INSTALLATION WITHIN AN EASEMENT ADJOINING A LOT MUST BE COMPLETED BEFORE THE BUILDING PERMIT IS ISSUED FOR THAT LOT.

**APPLICANT:**  
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**THE**  
**Chazen**  
**COMPANIES**  
Engineers/Surveyors  
Planners  
Environmental Scientists

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Genee Falls, New York 12801  
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2

6/19/09

REMOVED ALL WETLAND IMPACTS

1

6/13/08

REVISED PER TOWN 5/13/08 COMMENTS

rev

date

description

ELM AVENUE EAST RESIDENTIAL DEVELOPMENT

**CONSTRUCTION PHASING PLAN**

TOWN OF BETHELEHEM, ALBANY COUNTY, NEW YORK

drawn  
MMF

checked  
JML

date  
02/28/08

scale  
1"=100'

project no.  
30337.00

sheet  
**\$4.4**

Drawing Name: S:\3\30300-30399\30337\_00\ENR\DWG\01\_24\_30337-00-PHASING.dwg  
User: Mmmf  
Date Printed: Aug 26, 2009, 10:26am

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