

PLANTING PLAN
SCALE: 1"=50'

GRADING PLAN
SCALE: 1"=50'

WETLAND NOTES:

- 1) THE WETLAND BOUNDARY AS REPRESENTED ON THESE PLANS, INCLUDING WETLAND DELINEATION AND WETLAND IMPACT ANALYSIS, DEPICTS THE LIMITS OF FEDERAL JURISDICTIONAL WETLANDS. NO CONSTRUCTION, GRADING, FILLING, EXCAVATING, CLEARING, STOCKPILING, STAGING OR OTHER RELATED ACTIVITY SHALL BE PERMITTED WITHIN THE WETLANDS, EXCEPT AS DESCRIBED IN THESE PLANS AND AUTHORIZED IN THE PERMIT DOCUMENT. SILT FENCE AND HAY BALE DYKES FOR TEMPORARY EROSION CONTROL SHALL BE UTILIZED AS NECESSARY. ANY ADDITIONAL WORK IN THE WETLAND AREA NOT SHOWN ON THESE PLANS AND NOT AUTHORIZED IN THE PERMIT SHALL NOT BE DONE WITHOUT FIRST CONTACTING THE ENGINEER OR ARMY CORPS OF ENGINEERS (ACEC). WETLAND AREAS SHALL BE PROTECTED FROM DISTURBANCE BY A DEED RESTRICTION OVER ALL PROTECTED WETLANDS AND UPLANDS AS SHOWN ON FUTURE PRESERVATION PLAN TO BE PREPARED AND FILED WITH THE COUNTY CLERK'S OFFICE.
- 2) WETLAND MITIGATION AREAS ARE TO BE FORMED THROUGH EXCAVATION, PLACEMENT OF TOPSOIL, AND WETLAND PLANTINGS.

PERMIT NOTES:

- 1) THE CONTRACTOR IS ADVISED THAT THEIR PERFORMANCE IS SUBJECT TO ALL THE TERMS AND CONDITIONS CONTAINED IN THE PERMIT ISSUED BY THE ARMY CORPS OF ENGINEERS & NYSDCE.
- 2) COMPLIANCE IS ABSOLUTELY MANDATORY, AND FAILURE TO COMPLY OR ENSURE THAT ITS CONTRACTORS COMPLY MAY RESULT IN SANCTIONS AGAINST THE OWNER/DEVELOPER INCLUDING BUT NOT LIMITED TO, A SUSPENSION OR REVOCATION OF THE PERMIT. SUSPENSION OR REVOCATION OF THE PERMIT WILL REQUIRE CESSATION OF ANY WORK SUBJECT TO THE REVOCATION OR SUSPENSION ORDERS.

GENERAL NOTES:

- 1) PRIOR TO THE START OF THE CLEARING AND GRUBBING AND/OR ANY CONSTRUCTION ADJACENT TO THE WETLAND, THE ENGINEER SHALL MARK OUT THE WETLAND AREAS AND AREAS TO BE PRESERVED. THE TREES TO BE SAVED, AND THE LOCATION OF SILT FENCES FOR TEMPORARY EROSION CONTROL & PROTECTIVE BARRIERS, NO CONSTRUCTION EQUIPMENT SHALL BE ALLOWED WITHIN THE BOUNDARIES OF THE WETLAND AREAS TO BE PRESERVED AS SHOWN ON THE PLANS BY THE BARRIER AND THE SILT FENCE. NO REMOVAL OF ANY TREES OR PLANT MATERIAL SHALL BE ALLOWED WITHIN THESE AREAS WITHOUT THE APPROVAL OF THE ENGINEER.
- 2) IF APPLICABLE, CONSTRUCTION ACCESS SHALL BE CONSTRUCTED OF NON-FILL TYPE WETLAND MAT. ACCESS AREA TO BE RESTORED TO PRE-CONSTRUCTION CONDITIONS.
- 3) THE WETLAND AREAS TO BE CREATED ARE GENERALLY SHOWN ON THESE PLANS AND DETAILS. THE FINAL SHAPE AND LOCATION OF THE WETLAND AREAS WILL BE DETERMINED BY THE ENGINEER PRIOR TO THE START OF ANY CLEARING OR GRUBBING. THE INTENT IS TO CREATE NEW WETLAND BY WETLAND PLANTINGS/SEED AND CREATE A NATURAL EDGE. CARE SHOULD BE TAKEN SO AS NOT TO DISTURB THE BOUNDARY OF THE EXISTING WETLANDS. THIS COMMON INTERFACE SHALL BE GRADED TO MATCH THE EXISTING WETLAND ELEVATION WITH A SMOOTH TRANSITION TO THE WETLAND CREATION AREA.
- 4) IT IS ANTICIPATED THAT GROUNDWATER WILL BE INTERCEPTED WITHIN THE EXISTING SANDY SOILS. HOWEVER IF CLAY SOILS ARE PRESENT EXCAVATION SHALL NOT EXTEND BELOW CLAYEY SUBSTRATUM SOILS NECESSARY TO POND WATER. A TEST PIT SHALL BE PERFORMED WITHIN THE PROPOSED MITIGATION AREA TO ALLOW OBSERVATION OF THE REPRESENTATIVE SOIL PROFILES BY THE ENGINEER.
- 5) WETLAND TOPSOIL PROPOSED FOR RE-USE SHALL BE PROTECTED FROM DEHYDRATION AND NO MATERIAL SHALL BE STOCKPILED WITHIN THE BOUNDARIES OF ANY WETLANDS.
- 6) ALL WETLAND PLANTINGS SHALL BE LAID OUT IN A RANDOM MANNER AS WOULD THEY OCCUR IN THE NATURAL ENVIRONMENT.

CONSTRUCTION SEQUENCE:

- 1) STAKEOUT MITIGATION AREA BOUNDARY.
- 2) INSTALL EROSION & SEDIMENT CONTROL DEVICES.
- 3) IF APPLICABLE, INSTALL NON-FILL TYPE ACCESS TO SITE.
- 4) CLEAR & GRUB & STOCKPILE OF EXISTING TOPSOIL FOR LATER USE.
- 5) PERFORM ROUGH EXCAVATION & GRADING. EXCESS SOIL MATERIAL TO BE DISPOSED OF UPLAND AREA APPROVED BY THE ENGINEER & A.C.E.C.
- 6) PLACE TOPSOIL.
- 7) CONSTRUCT PITS & MOUNDS.
- 8) STABILIZE AREA WITH WETLAND SEED MIX.
- 9) PLANT SHRUBS & TREE PLANTINGS. (CONTACT NURSERY FOR APPROPRIATE TIME OF YEAR FOR PLANTING).

CONSTRUCTION INSPECTIONS:

- ENGINEER TO INSPECT THE MITIGATION SITE AT THE FOLLOWING POINTS:
1. COMPLETION OF CLEAR & GRUB
 2. COMPLETION OF ROUGH GRADING
 3. DURING PLANTING OF SHRUBS & TREES (CONTACT NURSERY FOR APPROPRIATE TIME OF YEAR FOR PLANTING).

LEGEND

- EXISTING PROPERTY LINE
- ADJACENT PROPERTY LINE
- EXISTING CONTOUR
- EXISTING TREELINE
- EXISTING HYDRANT
- EXISTING UTILITY POLE
- EXISTING SIGN
- EXISTING CATCH BASIN
- EXISTING SANITARY MANHOLE
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING WATERMAIN
- EXISTING OVERHEAD WIRE
- WETLAND BOUNDARY
- WETLAND MITIGATION AREA/PRESERVATION AREA

MITIGATION TABLE

SYMBOL	TYPE	AREA	PROJECT
[Symbol]	SCRUB SHRUB	0.50 ACRES	STONEFIELD

WHM - WETLAND HUMMOCK SEED MIX
(SOUTHERN TIER CONSULTING, INC.)

CAREX VULPINOIDEA	FOX SEDGE	20%
LEERSIA ORYZOIDES	RICE CUT GRASS	15%
CAREX LURIDA/CRINITA	SEDEGE	15%
JUNCUS EFFUSUS	SOFT RUSH	20%
SCRIPUS ATROVIRENS/CYPERINUS	BULRUSH	15%
CAREX OMOOSA/INTUMESCENS	SEDEGE	15%

UNDERSEED SCRUB SHRUB AND FORESTED WETLANDS AT 4LBS/ACRE

SCRUB SHRUB WETLAND PLANTINGS (0.50± ACRES)
UNDERSEED WITH WETLAND HUMMOCK SEED MIX

SYMBOL	CLASS	BOT. NAME	COMMON NAME	REG. IND. STATUS	SIZE	SPACING	QUANTITY	COND.
Cs	PSS	CORNUS SERICA	RED-OSIER DOGWOOD	FAC W+	18"-24"	6'-8"	100	BR
Cf	PSS	CORNUS FOEIMIA RACEMOSA	GRAY DOGWOOD	FAC	18"-24"	6'-8"	100	BR
Ca	PSS	CORNUS AMOMUM	SILKY DOGWOOD	FAC W	18"-24"	6'-8"	100	BR
lv	PSS	ILEX VERTICILLATA	WINTERBERRY	FAC W+	18"-24"	6'-8"	100	BR
Ar	PSS	ALNUS RUOOSA	SPECKLED ALDER	FAC W+	18"-24"	6'-8"	100	BR
Vd	PSS	VRBURNUM DENTATUM	ARROW-WOOD	FAC	18"-24"	6'-8"	100	BR

WETLAND MITIGATION AREAS (CREATION) ARE TO BE FORMED THROUGH EXCAVATION, PLACEMENT OF TOPSOIL, AND WETLAND PLANTINGS.

FOR MUNICIPAL APPROVAL ONLY
NOT FOR CONSTRUCTION

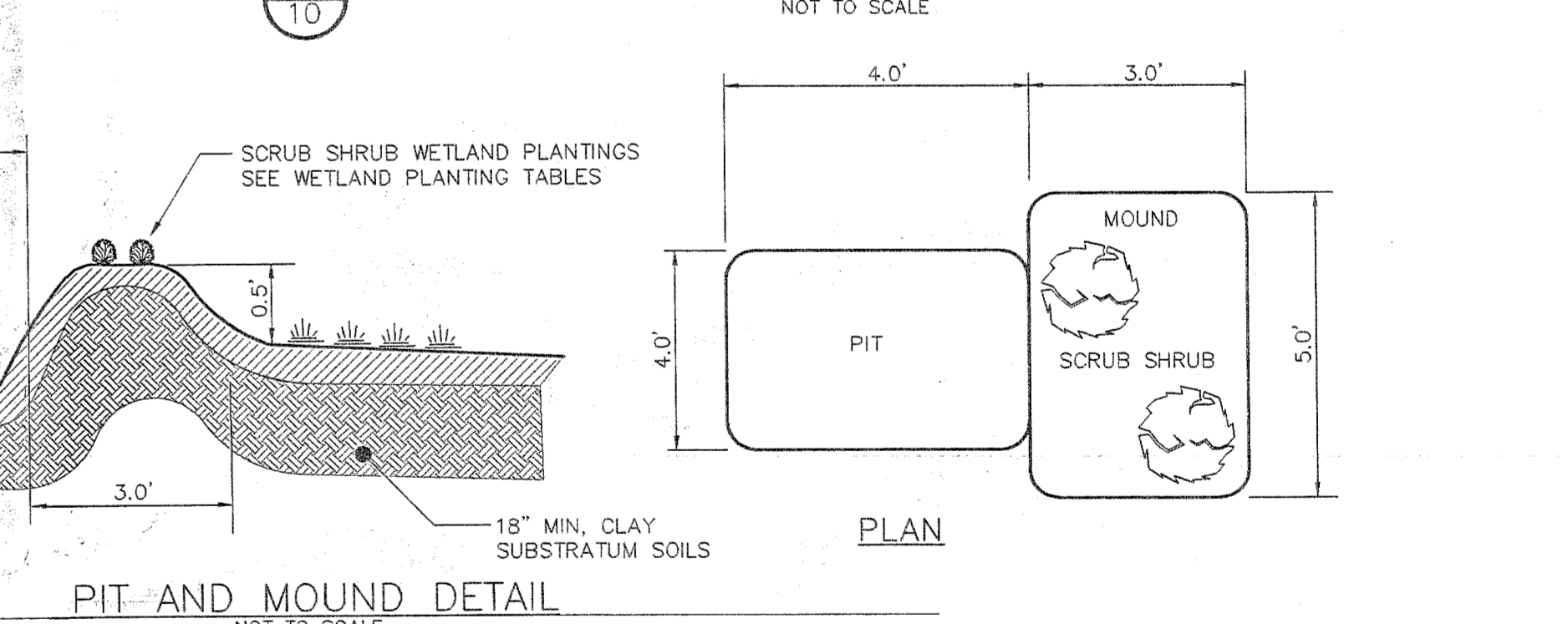
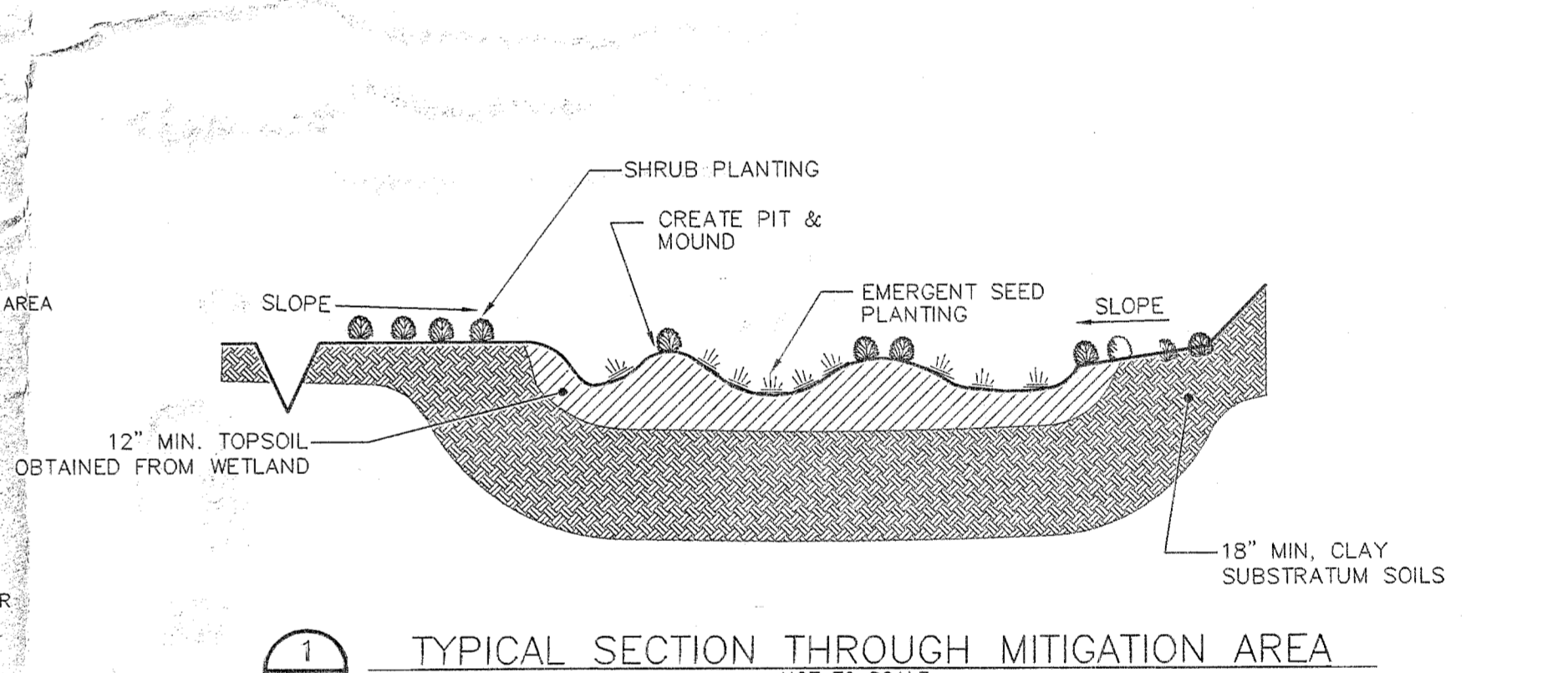
STONEFIELD SUBDIVISION
IMPACTS TO WATERS OF THE UNITED STATES

WETLAND	AREA	WETLAND TYPE
IMPACT 1	0.081± AC	SCRUB SHRUB
IMPACT 2	0.032± AC	SCRUB SHRUB
IMPACT 3	0.044± AC	SCRUB SHRUB
IMPACT 4	0.016± AC	SCRUB SHRUB
IMPACT 5	0.002± AC	SCRUB SHRUB
IMPACT 6	0.015± AC	SCRUB SHRUB
SITE IMPACT TOTAL	0.190± AC	SCRUB SHRUB

OWNER:
GEORGE H. WALDENMAIER, CHARLES J. WALDENMAIER, JR., TRUDIE J. WALDENMAIER & MICHAEL F. WALDENMAIER

APPLICANT:
CHARLEW BUILDERS, INC.
141 WEST CAMPBELL ROAD, SUITE 101
SCHENECTADY, NY 12306

NOTE: 48 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CONTACT DIG SAFELY NEW YORK TO LOCATE ALL UNDERGROUND UTILITIES. 1-800-962-7962



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.

ALBANY COUNTY HEALTH DEPARTMENT APPROVAL

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

BETHLEHEM PLANNING BOARD APPROVAL

OFFSITE MITIGATION PLAN & DETAILS
STONEFIELD SUBDIVISION
CORRIT DRIVE, HAMPTON STREET & SPINDLER COURT
TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK

ingalls
engineering, environmental, surveying
2300 GLENBURG AVENUE
ROCHESTER, NY 14620
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FAX: (716) 833-2224

ALBANY COUNTY STATE OF NEW YORK
DATE: NOVEMBER 24, 2015 CHECKED BY: D.F.L. JOB NO. 13-062
DRAWN BY: P.J.T. SCALE: 1"=50'
CADD FILE: 03-060 Env.dwg SHEET 10 OF 13

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NO. DATE REVISIONS BY:

7	5-18-17	ISSUED FOR FINAL PLAT APPROVAL	PJT
6	4-11-17	ISSUED FOR PLAT APPROVAL	JCH
5	1-19-17	REVISED PER TOWN COMMENTS	PJT
4	10-3-16	REVISED PER TOWN & TCE COMMENTS	PJT
3	6-23-16	MITIGATION BOUNDARIES UPDATED	COE
2	5-18-16	MITIGATION BOUNDARIES UPDATED	JRH
1	3-23-16	REVISED PER ACCE COMMENTS	PJT

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