

TEST PIT	SOIL PROFILE
TP 1	0-12" BR. SANDY LOAM TOPSOIL 12-36" BR. SILTY SAND 36-78" BR. SILTY CLAY 78" BEDROCK NO GROUNDWATER
TP 1A	72" BEDROCK NO GROUNDWATER
TP 2	0-12" BR. LOAMY TOPSOIL 12-24" BR. SAND 24-144" BR. CLAY NO GROUNDWATER ENCOUNTERED
TP 3	0-6" DK. BR. LOAMY SILT TOPSOIL 6-24" BR. SILT WITH MOTTLING 24-84" BR. SILTY CLAY INFILTRATION RATE @ 48" = 1 IN/HR MOIST AT BOTTOM
TP 4	0-6" DK. BR. LOAMY TOPSOIL 6-36" BR. SAND 36-54" BROKEN ROCK LEDGE STONE 54" BEDROCK NO GROUNDWATER ENCOUNTERED
TP 5	0-6" DK. BR. LOAMY TOPSOIL 6-48" BR. SAND 48-138" BR. SILTY CLAY NO GROUNDWATER ENCOUNTERED
TP 6	0-8" DK. BR. LOAMY TOPSOIL 8-30" BR. SAND MOTTLED AT BOTTOM 30-84" BR. SILTY CLAY 84" BEDROCK NO GROUNDWATER ENCOUNTERED
TP 7	0-4" DK. BR. LOAMY TOPSOIL 4-84" BR. SAND 84-108" BR. SILTY CLAY 108" BEDROCK (60" ON SOUTH SIDE) NO GROUNDWATER ENCOUNTERED
TP 8	0-12" DK. BR. LOAMY TOPSOIL 12-36" GR. BR. SAND MOTTLED 36-60" BR. SILTY CLAY 60" BEDROCK NO GROUNDWATER ENCOUNTERED
TP 9	0-12" BR. LOAMY TOPSOIL 12-24" BR. SAND 24-48" BROKEN ROCK LEDGE STONE 48" BEDROCK NO GROUNDWATER ENCOUNTERED
TP 10	0-12" DK. BR. LOAMY SAND TOPSOIL 12-60" BR. SAND 60-108" BR. SILTY CLAY 108-132" GR. CLAY INFILTRATION RATE @ 84" = 1 IN/HR MOIST AT BOTTOM
TP 11	0-6" DK. BR. LOAMY SAND TOPSOIL 6-66" BR. SAND 66-108" BR. SILTY CLAY 108-120" GR. CLAY INFILTRATION RATE @ 84" = 1 IN/HR NO GROUNDWATER ENCOUNTERED
TP 12	0-6" DK. BR. LOAMY TOPSOIL 6-54" BR. SAND MOTTLED AT BOTTOM 54-90" BR. SILTY CLAY 90-120" GR. CLAY NO GROUNDWATER ENCOUNTERED
TP 13	9" BEDROCK
TP 14	2" BROKEN BEDROCK 4" BEDROCK
TP 15	8" BEDROCK
TP 16	10" GR. CLAY NO BEDROCK
TP 17	11" BEDROCK
TP 18	12" GR. BR. CLAY NO BEDROCK
TP 19	13" GR. BR. CLAY NO BEDROCK
TP 20	7" BEDROCK
TP 20A	8" BEDROCK
TP 21	10" BEDROCK
TP 22	14" BEDROCK
TP 23	2" BEDROCK
TP 24	10" BEDROCK
TP 25	1" BROKEN BEDROCK 4" BEDROCK
TP 26	14" BEDROCK
TP 27	2" BEDROCK (WEST SIDE) 2" BEDROCK (EAST SIDE)
TP 28	15" DEPTH NO BEDROCK ENCOUNTERED
TP 29	14" DEPTH NO BEDROCK ENCOUNTERED
TP 30	12" DEPTH NO BEDROCK ENCOUNTERED
B-1	3" DRILL DEPTH NO BEDROCK ENCOUNTERED
B-2	9" DRILL DEPTH NO BEDROCK ENCOUNTERED
B-3	21" DRILL DEPTH NO BEDROCK ENCOUNTERED

*TEST PITS 1-12 PERFORMED BY C. LONGO OF INGALLS & ASSOCIATES, LLP
ON AUGUST 7, 2015.
**TEST PITS 13-27 PERFORMED FOR ROCK PROBING ONLY BY C. LONGO ON
SEPTEMBER 9, 2015.
***BORES 1-3 AND TP 28-30 PERFORMED FOR ROCK PROBING ONLY BY J.
HENS ON MARCH 24, 2017.

LEGEND

EXISTING PROPERTY LINE	---
PROPOSED PROPERTY LINE	---
PROPOSED SETBACK	---
ADJACENT PROPERTY LINE	---
PROPOSED EASEMENT	---
EXISTING CONTOUR	---
EXISTING HYDRANT	⊙
EXISTING UTILITY POLE	⊙
EXISTING SANITARY MANHOLE	⊙
EXISTING SANITARY SEWER	---
EXISTING STORM SEWER	---
EXISTING WATERMAIN	---
WETLAND BOUNDARY	---
TREES TO BE PRESERVED (12" DBH OR GREATER)	⊙
WETLAND IMPACT	---
PROPOSED CONTOUR	---
PROPOSED SANITARY MANHOLE	⊙
PROPOSED SANITARY MAIN	---
PROPOSED HYDRANT	⊙
PROPOSED WATER MAIN	---
PROPOSED STORM SEWER	---
PROPOSED CATCH BASIN	⊙
PROPOSED WATER VALVE	⊙

GRADING NOTES:

1. A MINIMUM 18"x24" SIGN STATING "STORMWATER MANAGEMENT PRACTICE - NAME OF THE PRACTICE, DO NOT REMOVE OR ALTER" SHALL BE ERRECTED IN THE IMMEDIATE VICINITY OF ALL PRACTICES.
2. PROJECT IDENTIFICATION - (SPDES CONSTRUCTION PERMIT #, OTHER) MUST BE MAINTAINED IN ACCORDANCE WITH O&M PLAN.
3. SOIL RESTORATION SHALL BE COMPLETED IN ALL AREAS OF CUT OR FILL. THESE AREAS SHALL RECEIVE AERATION AND AN ADDITIONAL 6 INCHES OF TOPSOIL.
4. SOIL RESTORATION SHALL BE COMPLETED IN ALL AREAS WHERE TOPSOIL IS STRIPPED. THIS SHALL INCLUDE THE REPLACEMENT OF A MINIMUM 6 INCHES OF TOPSOIL.
5. ALL GRADING TO BE 3:1 (HORIZONTAL: VERTICAL) MAXIMUM SLOPE. GRADED LAWN/YARD AREAS SHALL HAVE A MINIMUM SLOPE OF 2%.
6. UNLESS OTHERWISE NOTED, THE LOCATIONS AND FOOTPRINT CONFIGURATIONS OF PROPOSED DWELLINGS, DRIVEWAYS AND ASSOCIATED LOT GRADING AS SHOWN ON THIS PLAN ARE CONCEPTUAL AND ARE INCLUDED FOR MUNICIPAL REVIEW PURPOSES. ACTUAL BUILDING LOCATIONS AND RELATED SITE GRADING MAY VARY FROM WHAT IS SHOWN. HOWEVER, ANY SUBSTANTIAL VARIATION FROM WHAT IS SHOWN ON ANY LOT, AS DETERMINED BY THE TOWN BUILDING INSPECTOR, SHALL BE SUBJECT TO FURTHER REVIEW BY THE TOWN DEPARTMENT OF PUBLIC WORKS (AND POSSIBLY OTHER TOWN ENTITIES) PRIOR TO THE ISSUANCE OF A BUILDING PERMIT FOR THAT LOT.
7. ALL CONTROLLED FILL SHALL BE CERTIFIED BY A LICENSED SOILS ENGINEER. THAT PLACEMENT OF THE MATERIAL WAS DONE IN A MANNER SUITABLE FOR THE CONSTRUCTION OF THE ROAD AND THE INSTALLATION OF WATER MAIN, STORM SEWERS, AND SANITARY SEWERS. TO THIS END, NO FILL SHALL BE PLACED IN AREAS IDENTIFIED ON THESE PLANS AS CONTROLLED FILL AREAS UNTIL THE CERTIFYING SOILS ENGINEER HAS BEEN CONSULTED.
8. ALL PIPES AND APPURTENANCES SHALL BE INSTALLED ACCORDING TO THE TOWN OF BETHLEHEM WATER AND SEWER AUTHORITY STANDARD SPECIFICATIONS.
9. THE CONTRACTOR SHALL VERIFY SIZE, TYPE, HORIZONTAL AND VERTICAL LOCATION OF THE MAIN AT THE PROPOSED CONNECTION POINTS PRIOR TO CONSTRUCTION. CONFLICTS WITH OTHER UTILITIES TO BE CONSTRUCTED ARE TO BE AVOIDED. DISCREPANCIES OR OTHER CONFLICTS WITH EXISTING UTILITIES SHALL BE REPORTED TO THE WATER SUPERINTENDENT IMMEDIATELY.
10. MINIMUM WATER MAIN DEPTH (TOP OF PIPE TO FINISH GRADE SHALL BE 5'-0").
11. ALL FILL BELOW WATER MAIN SHALL BE COMPACTED GRANULAR MATERIAL (MIN. 95% PROCTOR TYP.).
12. ALL TRENCH BACKFILL SHALL BE MECHANICALLY COMPACTED TO PREVENT SETTLEMENT. TOP TRENCH WITH 12" MIN. APPROVED GRAVEL IN PAVED AREAS AND ALONG SIDE OF EXISTING ROAD FOR SHOULDER BASE. REPLACE DAMAGED PAVEMENTS WITH LIKE KIND AND LIKE THICKNESS.
13. IN ANY DISTURBED AREAS TREES OVER 12" DBH & CLUSTERS OF LARGE TREES SHOULD BE PRESERVED TO THE GREATEST EXTENT POSSIBLE.

WETLAND NOTES:

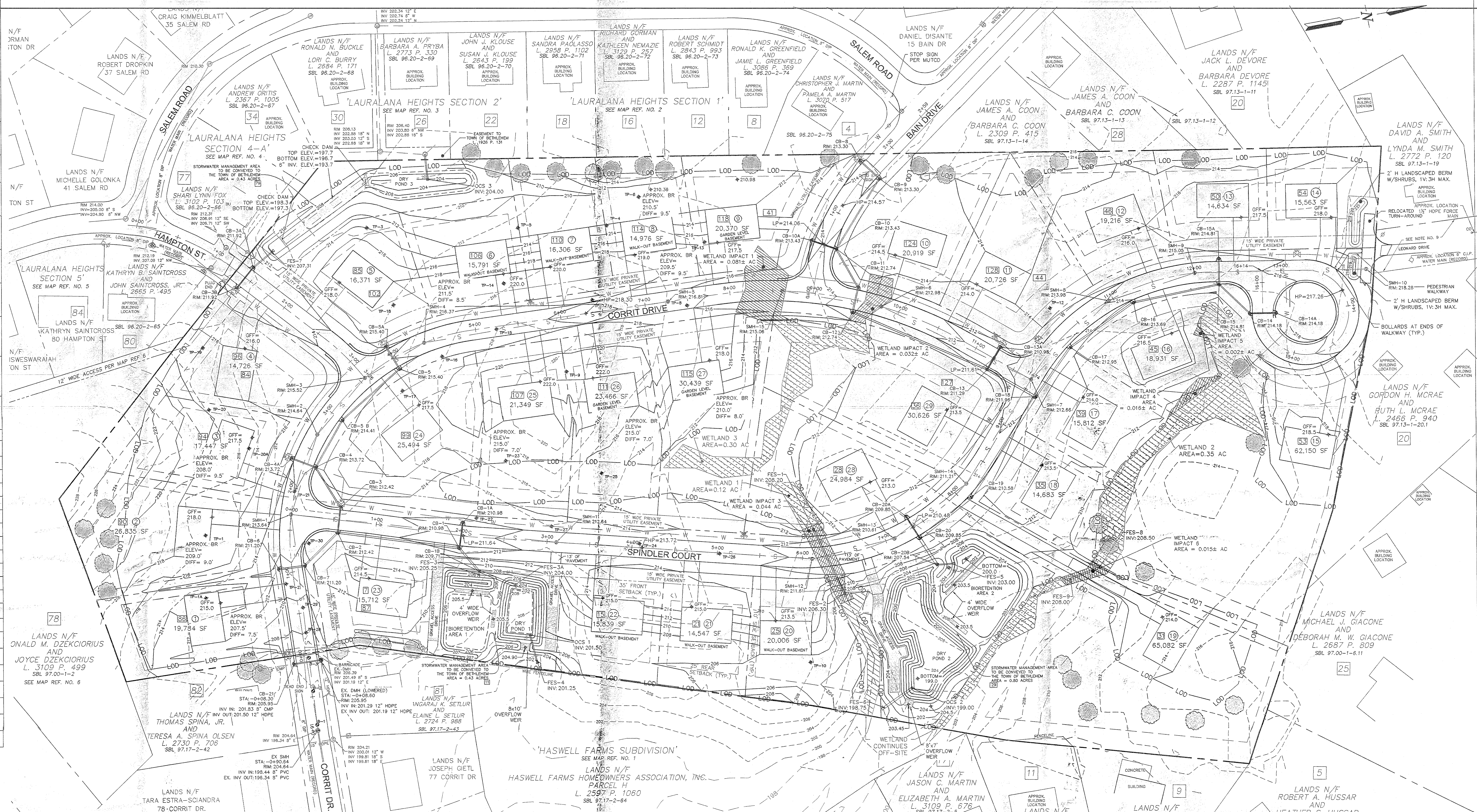
- 1) WETLAND LIMITS SHOWN HEREIN AREA FROM A JULY 14, 2014 FIELD DELINEATION BY GEOFF LAWTON OF INGALLS & ASSOCIATES, LLP.
- 2) NO WETLAND SURVEY SHALL BE DEEMED FINAL WITHOUT A JURISDICTIONAL DETERMINATION FROM THE UNITED STATES ARMY CORPS OF ENGINEERS (USACE) AND/OR THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC).

WETLAND	AREA
WETLAND 1	0.12± AC
WETLAND 2	0.35± AC
WETLAND 3	0.30± AC
WETLAND TOTAL	0.77± AC

IMPACTS TO WATERS OF THE UNITED STATES	AREA
IMPACT 1	0.081± AC
IMPACT 2	0.032± AC
IMPACT 3	0.044± AC
IMPACT 4	0.016± AC
IMPACT 5	0.002± AC
IMPACT 6	0.015± AC
WETLAND TOTAL	0.190± AC

FOR MUNICIPAL APPROVAL ONLY
NOT FOR CONSTRUCTION

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



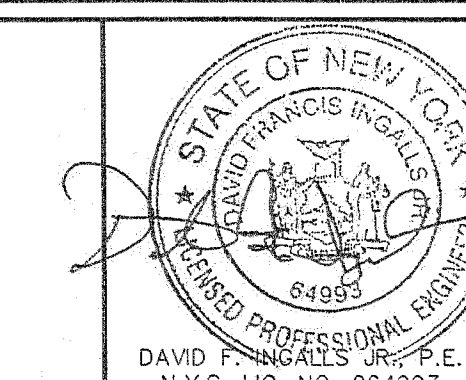
ALBANY COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH SERVICES
By direction of the Commissioner of Health, these
plans are hereby approved. See first sheet for
date and signature.

ALBANY COUNTY HEALTH DEPARTMENT APPROVAL

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

PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
By direction of the Chairman
These drawings were approved.
See sheet(s) 1-21-15
for date and signature

BETHLEHEM PLANNING BOARD APPROVAL



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ingalls & associates, LLP
engineering, environmental, surveying
3600 GULFSTREAM AVENUE
SCHECTYVILLE, NY 12150
PHONE: (518) 382-7772
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GRADING PLAN
STONEFIELD SUBDIVISION
CORRIT DRIVE, HAMPTON STREET &
SPINDLER COURT
TOWN OF BETHLEHEM
STATE OF NEW YORK
DATE: NOVEMBER 24, 2015 CHECKED BY: F.1
JOB NO. 13-062 SCALE: 1"=50'
DRAWN BY: C.D.L. CAD FILE: 13-062 Grading.dwg SHEET 4 OF 13

NO.	DATE	REVISIONS	BY
8	5/18/17	ISSUED FOR FINAL PLAT APPROVAL	PJY
7	5/17/17	REVISED LOT 2, 3 & 4	PJY
6	4/21/17	ISSUED FOR FINAL PLAT APPROVAL	JCH
5	1/19/17	REVISED PER TOWN COMMENTS	JCH
4	1/5/17	REVISED PER TOWN COMMENTS	JCH
3	12/2/16	REVISED TO INCLUDE BEDROCK IMPACTS	JCH
2	10/27/16	REVISED PER TOWN & TDC COMMENTS	PJY
1	3/29/16	REVISED PER ACOE COMMENTS	PJY
NO.	DATE	REVISIONS	BY

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