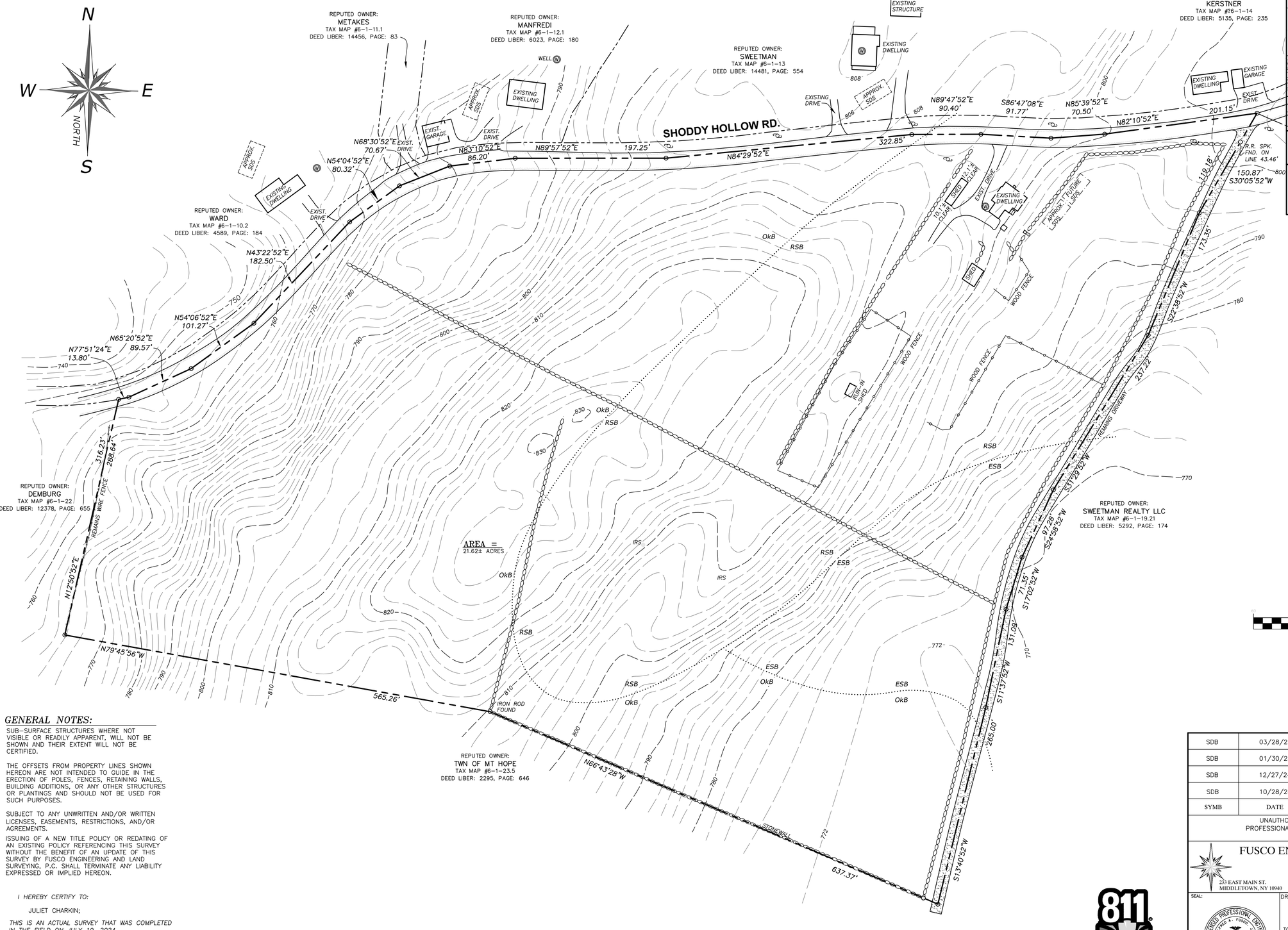

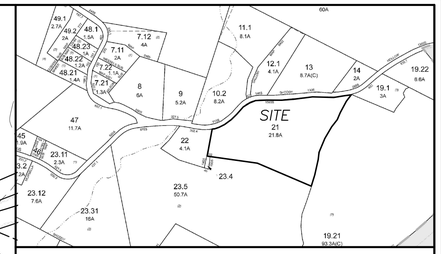

LOCATION MAP
N.T.S.

REFERENCE
TAX MAP DATA: SECTION 6 BLOCK 1 LOT 21
DEED LIBER: 2716, PAGE: 173

LEGEND

- PROPERTY LINE
- ADJOINING PROPERTY LINE
- PROPERTY CORNER
- 10' CONTOUR LINE
- 2' CONTOUR LINE
- RSB / OkB — SOILS LINE & TYPE
- UTILITY POLE
- STONE WALL

GRAPHIC SCALE

(IN FEET)
1 inch = 60 ft.

GENERAL NOTES:

SUB-SURFACE STRUCTURES WHERE NOT VISIBLE OR READILY APPARENT, WILL NOT BE SHOWN AND THEIR EXTENT WILL NOT BE CERTIFIED.

THE OFFSETS FROM PROPERTY LINES SHOWN HEREON ARE NOT INTENDED TO GUIDE IN THE ERECTION OF POLES, FENCES, RETAINING WALLS, BUILDING ADDITIONS, OR ANY OTHER STRUCTURES OR PLANTINGS AND SHOULD NOT BE USED FOR SUCH PURPOSES.

SUBJECT TO ANY UNWRITTEN AND/OR WRITTEN LICENSES, EASEMENTS, RESTRICTIONS, AND/OR AGREEMENTS.

ISSUING OF A NEW TITLE POLICY OR REDATING OF AN EXISTING POLICY REFERENCING THIS SURVEY WITHOUT THE BENEFIT OF AN UPDATE OF THIS SURVEY BY FUSCO ENGINEERING AND LAND SURVEYING, P.C. SHALL TERMINATE ANY LIABILITY EXPRESSED OR IMPLIED HEREON.

I HEREBY CERTIFY TO:

JULIET CHARKIN;

THIS IS AN ACTUAL SURVEY THAT WAS COMPLETED IN THE FIELD ON JULY 19, 2024.

ERNEST JOHNSON, P.L.S.
NEW YORK LICENSE, NO. 50041

Know what's below.
Call before you dig.

THESE PLANS ARE INCOMPLETE/INVALID UNLESS THEY CONTAIN THE ENGINEER'S SIGNATURE AND SEAL WHERE APPLICABLE AND SHEETS 1 THROUGH 8 OF 8.

SDB	03/28/25	MET ON SITE W/TN. ENG. DRV. ESMT.
SDB	01/30/25	REVISED FOR COMMENTS
SDB	12/27/24	REVISED FOR COMMENTS
SDB	10/28/24	PRELIMINARY PLAN
SYMB	DATE	ISSUED FOR

FUSCO ENGINEERING & LAND SURVEYING, D. P.C.
CONSULTING ENGINEERS
233 EAST MAIN ST.
MIDDLETOWN, NY 10940
PHONE: (845) 344-5863
FAX (845) 956-5865

SEAL: LICENSED PROFESSIONAL ENGINEER — ALFRED A. FUSCO JR. — NO. 054426 — STATE OF NEW YORK

DRAWING TITLE: EXISTING CONDITIONS

SUBDIVISION OF PROPERTY FOR CHARKIN

TOWN OF MOUNT HOPE — STATE OF NEW YORK — COUNTY OF ORANGE

RECORD OWNER:
JOAN & JULIET CHARKIN
234 SHODDY HOLLOW RD.
OTISVILLE, N.Y. 10963

APPROVED BY: AAF	SCALE: 1"=60'	REFERENCE NUMBER: 24-101
DESIGNED BY: EJ	REVISION DATE: 3/28/25	SHEET NUMBER: 1
DRAWN BY: SDB	DATE: 8/27/24	PAGE 1 OF 8

TREE CLEARING:

NOTES:
TREE CUTTING RESTRICTION FROM NOVEMBER 1 AND MARCH 31 OF ANY GIVEN YEAR TO PROTECT THE NORTHERN LONG-EARED BAT AND ALL NEW GROUND DISTURBANCE IS ALSO RESTRICTED TO THIS TIME PERIOD TO PROTECT THE INDIANA BAT.

NO CUTTING OF ANY TREES MAY OCCUR WITHIN THE ¼ MILE BUFFER AROUND A HIBERNATION SITE. NO ACTIVITIES THAT MAY RESULT IN DISTURBANCE TO A HIBERNATION SITE INCLUDING, BUT NOT LIMITED TO, ACTIONS THAT WOULD ALTER THE HYDROLOGY, INCREASE NOISE OR INTRODUCE FILL MAY OCCUR.

PLEASE NOTE THAT IF YOU PLAN ANY DEVELOPMENT OR TREE CLEARING ACTIVITIES WITHIN ¼ MILE OF A HIBERNATION AREA FOR NLEB, YOU MAY BE REQUIRED TO OBTAIN A PERMIT FROM THE US FISH AND WILDLIFE SERVICE AND THE DEC.

FOR CUTTING OF TREES OUTSIDE OF THE ¼ MILE BUFFER AROUND HIBERNACULA:

NO RESTRICTIONS, WITH THE FOLLOWING VOLUNTARY MEASURES RECOMMENDED:

LEAVE UNCUT ALL KNOWN AND DOCUMENTED ROOST TREES, AND ANY TREES WITHIN A 150 FOOT RADIUS OF A DOCUMENTED SUMMER OCCURRENCE.

LEAVE UNCUT ALL SNAG AND CAVITY TREES UNLESS THEIR REMOVAL IS NECESSARY FOR PROTECTION OF HUMAN LIFE AND PROPERTY. FOR THE PURPOSES OF THIS GUIDANCE, PROTECTION OF HUMAN LIFE AND PROPERTY INCLUDES REMOVAL OF TREES THAT, IF NOT REMOVED, COULD RESULT IN THE LOSS OF ELECTRIC SERVICE. SNAG AND CAVITY TREES ARE DEFINED UNDER:
DEC PROGRAM POLICY ONR-DLF-2 RETENTION ON STATE FORESTS.

ROAD DEDICATION NOTE
THE OWNER IRREVOCABLY AND GRATUITOUSLY DEDICATES TO THE TOWN OF MOUNT HOPE 25' FROM DEED CENTERLINE OF ROAD FOR HIGHWAY PURPOSES 0.92± ACRES.

REPUTED OWNER:
METAKES
TAX MAP #6-1-11.1
DEED LIBER: 14456, PAGE: 83

REPUTED OWNER:
MANFREDI
TAX MAP #6-1-12.1
DEED LIBER: 6023, PAGE: 180

REPUTED OWNER:
SWEETMAN
TAX MAP #6-1-13
DEED LIBER: 14481, PAGE: 554

REPUTED OWNER:
KERSTNER
TAX MAP #76-1-14
DEED LIBER: 5135, PAGE: 235

REPUTED OWNER:
WARD
TAX MAP #6-1-10.2
DEED LIBER: 4589, PAGE: 184

REPUTED OWNER:
DEMBURG
TAX MAP #6-1-22
DEED LIBER: 12378, PAGE: 655

REPUTED OWNER:
SWEETMAN REALTY LLC
TAX MAP #6-1-19.21
DEED LIBER: 5292, PAGE: 174

REPUTED OWNER:
TWN OF MT HOPE
TAX MAP #6-1-23.5
DEED LIBER: 2295, PAGE: 646

SHODDY HOLLOW RD.

LOT #1 1.03± ACRES
LOT #2 1.03± ACRES
LOT #3 1.22± ACRES
LOT #4 2.01± ACRES
LOT #5 15.39± ACRES
LOT #5 15.56± ACRES

NOTE: AREA TO BE CLEARED OR GRADED FOR SIGHT DISTANCE

POSTED SPEED LIMIT: 35 MPH

SIGHT DISTANCE CHART

LOT NO. (DRIVEWAY)	LOOKING WEST	LOOKING EAST
1	480'	325'
2	350'	425'
3	385'	400'
4	450'	470'
5	400'	450'

SOILS CALCULATIONS PER LOT

LOT NUMBER	SOILS GROUP	SOILS NAME	SOIL AREA	ENVIRO. FACTOR	LOT COUNT PER GROUP	LOT COUNT
LOT 1	I	OkB	1.06 AC.	2.0	2.12	2.12
LOT 2	I	OkB	1.03 AC.	2.0	2.06	2.06
LOT 3	VIII	RSB	0.38 AC.	0.33	0.13	1.81
	I	OkB	0.84 AC.	2.0	1.68	
LOT 4	VIII	RSB	1.76 AC.	0.33	0.58	1.08
	I	OkB	0.25 AC.	2.0	0.50	
LOT 5	VIII	ESB	1.81 AC.	0.33	0.60	16.84
	VIII	RSB	5.75 AC.	0.33	0.58	
	I	OkB	7.83 AC.	2.0	15.66	
TOTAL LOT COUNT						23.91

SR-1 DISTRICT

TABLE OF ZONING REQUIREMENTS

MINIMUM REQUIREMENTS	LOT AREA	LOT WIDTH	LOT DEPTH	FRONT YARD	ONE SIDE YARD	BOTH SIDE YARDS	REAR YARD
EACH LOT	40,000 SF	150'	200'	40'	30'	60'	50'

LOTS AND BUILDINGS AS SHOWN

LOT NO. (AS SHOWN)	LOT AREA	LOT WIDTH	LOT DEPTH	FRONT YARD	ONE SIDE YARD	BOTH SIDE YARDS	REAR YARD
1	1.06± ACRES	310'	254'	78'	40'	N/A	112'
2	1.03± ACRES	150'	280'	107'	52'	115'	146'
3	1.22± ACRES	150'	346'	158'	37'	88'	170'
4	2.01± ACRES	237'	525'	164'	31'	104'	352'
5	15.39± ACRES	725'	990'	35' *	59'	274'	855'

* INDICATES PRE-EXISTING NON-CONFORMING
TOTAL AREA OF ROAD DEDICATION IS 0.92± ACRES.

LEGEND

- PROPERTY LINE
- ADJOINING PROPERTY LINE
- IRS ● IRON ROD TO BE SET
- ⊠ CONCRETE MON. TO BE SET
- 10' CONTOUR LINE
- 2' CONTOUR LINE
- RSB / OkB SOILS LINE & TYPE
- UTILITY POLE
- BUILDING SETBACK LINE
- (W) PROPOSED WELL
- PROP. SDS PROPOSED SEPTIC DISPOSAL
- PROP. DWELL. PROPOSED 26' x 50' DWELLING

N
W E
NORTH
S

GENERAL NOTES:

SUB-SURFACE STRUCTURES WHERE NOT VISIBLE OR READILY APPARENT, WILL NOT BE SHOWN AND THEIR EXTENT WILL NOT BE CERTIFIED.

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ISSUING OF A NEW TITLE POLICY OR REDATING OF AN EXISTING POLICY REFERENCING THIS SURVEY WITHOUT THE BENEFIT OF AN UPDATE OF THIS SURVEY BY FUSCO ENGINEERING AND LAND SURVEYING, P.C. SHALL TERMINATE ANY LIABILITY EXPRESSED OR IMPLIED HEREON.

NO LOT IS TO BE FURTHER SUBDIVIDED WITHOUT TOWN OF MOUNT HOPE PLANNING BOARD APPROVAL.

IF THE LOCATION OF ANY OF ANY PROPOSED DWELLINGS IS ALTERED UPON APPLICATION FOR A BUILDING PERMIT, AT LEAST 30% OF THE PROPOSED FOOTPRINT SHALL FALL WITHIN THE FOOTPRINT REPRESENTED ON THE SUBDIVISION PLAN OR THE APPLICANT SHALL APPEAR BEFORE THE PLANNING FOR ALTERED LOCATION.

LIMITS OF DISTURBANCE SHALL BE DELINEATED IN THE FIELD PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY.

ANY FEDERAL WETLANDS DISTURBANCE GREATER THAN 0.1 ACRES WILL REQUIRE A USACE PERMIT.

THERE ARE NO FEDERAL WETLANDS WITHIN THE AREA OF DISTURBANCE ON LOTS 1 THROUGH 4.

I HEREBY CERTIFY TO:

JULIET CHARKIN;

THIS IS AN ACTUAL SURVEY THAT WAS COMPLETED IN THE FIELD ON JULY 19, 2024.

ERNEST JOHNSON, P.L.S.
NEW YORK LICENSE, NO. 50041

GRAPHIC SCALE
(IN FEET)
1 inch = 60 ft.

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SDB	01/30/25	REVISED FOR COMMENTS
SDB	12/27/24	REVISED FOR COMMENTS
SDB	10/28/24	PRELIMINARY PLAN
SYMB	DATE	ISSUED FOR

FUSCO ENGINEERING & LAND SURVEYING, D.P.C.
CONSULTING ENGINEERS
233 EAST MAIN ST.
MIDDLETOWN, NY 10940
PHONE: (845) 344-5863
FAX (845) 956-5865

SEAL: LICENSED PROFESSIONAL ENGINEER ERNEST A. FUSCO, JR. LIC. NO. 054404 STATE OF NEW YORK

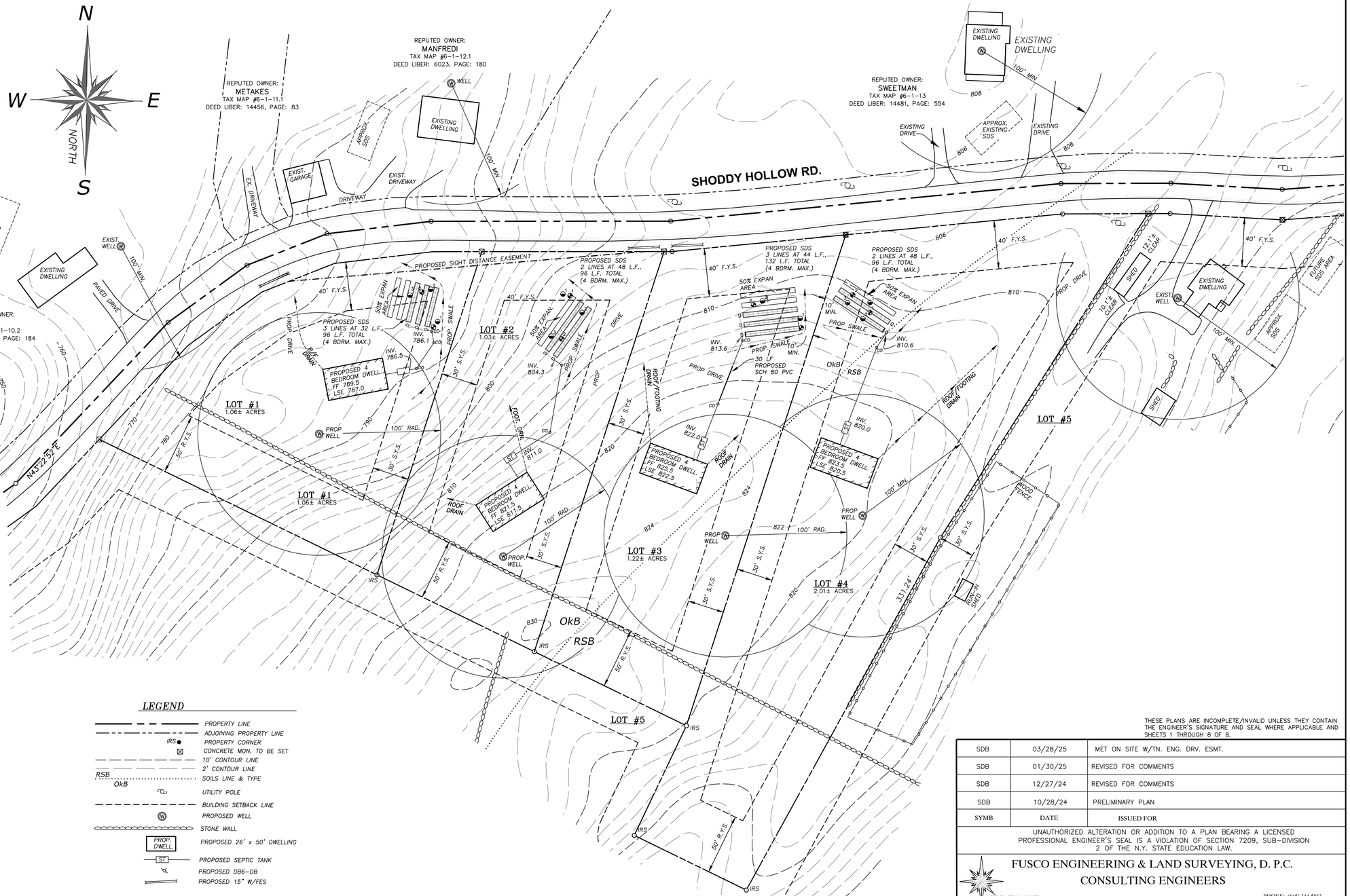
DRAWING TITLE: OVERALL SUBDIVISION PLAN
SUBDIVISION OF PROPERTY FOR CHARKIN
TOWN OF MOUNT HOPE
STATE OF NEW YORK
COUNTY OF ORANGE

RECORD OWNER:
JOAN & JULIET CHARKIN
234 SHODDY HOLLOW RD.
OTISVILLE, N.Y. 10963

APPROVED BY:	SCALE:	REFERENCE NUMBER:
AAF	1"=60'	24-101
DESIGNED BY:	REVISION DATE:	SHEET NUMBER:
EJ	1/30/25	2
DRAWN BY:	DATE:	PAGE 2 OF 8
SDB	8/27/24	

SEPTIC SYSTEM NOTES:

1. ALL SEWAGE DISPOSAL SYSTEMS ARE TO BE LOCATED AT LEAST 100 FEET FROM STREAMS AND AT LEAST 35 FEET FROM DRAINAGE EASEMENTS.
2. NO MORE THAN ONE (1) SINGLE FAMILY DWELLING PER LOT.
3. NO DRIVEWAYS OR PARKING AREAS ARE TO BE LOCATED OVER THE SEWAGE DISPOSAL SYSTEM.
4. ALL TREES ARE TO BE CUT AND REMOVED FROM THE AREA OF THE SEWAGE DISPOSAL SYSTEM IN A MANNER THAT WILL NOT SIGNIFICANTLY DISTURB THE VIRGIN SOIL. NO REPLACEMENT TREES MAY BE INSTALLED WITHIN 10' OF THE SEPTIC DISPOSAL SYSTEM.
5. NO ROOF, CELLAR, OR FOOTING DRAINS ARE TO BE DISCHARGED INTO THE AREA OF THE SEWAGE DISPOSAL SYSTEM, OR TOWARD THE WELL.
6. WATER SAVING DEVICES ARE TO BE USED ON ALL WATER FIXTURES.
7. SEPTIC TANKS SHALL BE PRECAST CONCRETE AND SHALL BE MANUFACTURED TO WOODARDS CONCRETE PRODUCTS SPECIFICATIONS, OR AN APPROVED EQUAL.
8. SEWAGE DISPOSAL SYSTEMS MUST BE DESIGNED BY, LAID OUT IN THE FIELD, SUPERVISED AND INSPECTED DURING CONSTRUCTION AND CERTIFIED AS COMPLETE IN ACCORDANCE WITH THE APPROVED PLANS AND NEW YORK STATE STANDARDS BY A PROFESSIONAL ENGINEER LICENSED IN NEW YORK STATE.
9. THIS SEPTIC DISPOSAL SYSTEM WAS NOT DESIGNED TO ACCOMMODATE GARBAGE GRINDERS, JACUZZI TYPE SPA TUBS (OVER 100 GAL.) OR WATER SOFTENERS, AS SUCH THESE ITEMS SHALL NOT BE INSTALLED UNLESS THE SEPTIC DISPOSAL SYSTEM IS REDESIGNED AND RE-APPROVED NY THE ORANGE COUNTY HEALTH DEPART TO ACCOUNT FOR THEM.
10. NO GRADING CUTS ARE TO BE MADE IN THE AREA OF THE SEWAGE DISPOSAL SYSTEM. NO FILL IS TO BE PLACED IN THE AREA OF THE SEWAGE DISPOSAL SYSTEM, UNLESS SO INDICATED ON THE PLANS.
11. PROPOSED SEWER LATERALS ARE TO BE LAID OUT AND CONSTRUCTED PARALLEL WITH EXISTING GROUND CONTOURS.
12. HEAVY EQUIPMENT SHALL BE KEPT OFF THE AREA OF THE ABSORPTION FIELD EXCEPT DURING THE ACTUAL CONSTRUCTION. THERE SHALL BE NO UNNECESSARY MOVEMENT OF THE CONSTRUCTION EQUIPMENT IN THE ABSORPTION FIELD AREA BEFORE, DURING, OR AFTER CONSTRUCTION SO AS TO AVOID ANY UNDUE COMPACTION THAT COULD RESULT IN A CHANGE OF THE ABSORPTION CAPACITY OF THE SOIL ON WHICH THE DESIGN WAS BASED.
13. THE DESIGN OF THE SANITARY FACILITIES (WELL AND SEPTIC SYSTEM) SHALL NOT BE CHANGED OR RELOCATED FROM THE APPROVED PLAN WITHOUT PRIOR APPROVAL FROM THE TOWN OF BUILDING DEPARTMENT BOARD AND A RE-DESIGN BY A N.Y.S. LICENSED ENGINEER.
14. SEPTIC SYSTEMS SHALL NOT BE LOCATED IN AREAS THAT EXCEED 15% IN SLOPE.
15. THE PURCHASER OF THE LOT SHALL BE SUPPLIED WITH A COPY OF THE APPROVED PLANS AND AN ACCURATE AS-BUILT PLAN OF ALL EXISTING SANITARY FACILITIES.
16. NO SWIMMING POOLS, DRIVEWAYS, OR ANY OTHER STRUCTURE THAT CAN COMPACT THE SOIL SHALL NOT BE LOCATED OVER ANY PORTION OF ABSORPTION FIELD.
17. THERE MUST BE AN UNINTERRUPTED POSITIVE SLOPE FROM THE SEPTIC TANK (OR ANY PUMPING OR DOSING CHAMBER) TO THE HOUSE, ALLOWING SEPTIC GASES TO DISCHARGE THROUGH THE STACK VENT.
18. A NEW YORK STATE LICENSED PROFESSIONAL ENGINEER SHALL INSPECT THE SANITARY FACILITIES (WATER SUPPLY AND WATER TREATMENT, AND SEWAGE DISPOSAL FACILITIES) AT THE TIME OF CONSTRUCTION. PRIOR TO OCCUPANCY OF THE HOUSE, THE ENGINEER SHALL CERTIFY TO THE ORANGE COUNTY HEALTH DEPARTMENT AND THE LOCAL CODE ENFORCEMENT OFFICER THAT THE FACILITIES ARE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND THAT ALL SEPTIC TANK JOINTS ARE SEALED AND TESTED FOR WATER TIGHTNESS.
19. INDIVIDUAL WELLS AND SEWAGE DISPOSAL SYSTEMS SHALL NO LONGER BE CONSTRUCTED OR USED FOR HOUSEHOLD DOMESTIC PURPOSES WHEN PUBLIC FACILITIES BECOME AVAILABLE. CONNECTION TO THE PUBLIC SEWAGE SYSTEM IS REQUIRED WITHIN ONE YEAR OF THE SYSTEM BECOMING AVAILABLE.
20. THIS PROPERTY IS NOT LOCATED WITHIN A PUBLIC WATER SUPPLY WATERSHED.
21. SEPTIC TANKS SHOULD BE INSPECTED ANNUALLY AND PUMPED EVERY 2-3 YEARS.
22. DISTRIBUTION BOXES SHOULD BE INSPECTED ANNUALLY TO ENSURE THAT THEY ARE LEVEL AND OPERATING PROPERLY. ALL UNUSED OUTLETS WILL BE PLUGGED AND SEALED WITH NON-SHRINK GROUT.
23. THIS SHEET IS INCOMPLETE AND INVALID UNLESS ACCOMPANIED BY EACH OTHER SHEET OF THIS SET.
24. PLANS ARE INCOMPLETE/INVALID WITHOUT THE ENGINEER'S SEAL AND SIGNATURE.



LEGEND

- PROPERTY LINE
- ADJOINING PROPERTY LINE
- IRS ● PROPERTY CORNER
- ⊠ CONCRETE MON. TO BE SET
- 10' CONTOUR LINE
- 2' CONTOUR LINE
- RSB / OkB SOILS LINE & TYPE
- UTILITY POLE
- BUILDING SETBACK LINE
- Ⓦ PROPOSED WELL
- STONE WALL
- PROP. DWELL. PROPOSED 26' x 50' DWELLING
- ST PROPOSED SEPTIC TANK
- PROPOSED DB6-DB
- PROPOSED 15" W/FES

GRAPHIC SCALE

0 20 40 80 120 160

(IN FEET)
1 inch = 40 ft.

811 Know what's below. Call before you dig.

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SYMB	DATE	ISSUED FOR
SDB	03/28/25	MET ON SITE W/TN. ENG. DRV. ESMT.
SDB	01/30/25	REVISED FOR COMMENTS
SDB	12/27/24	REVISED FOR COMMENTS
SDB	10/28/24	PRELIMINARY PLAN

FUSCO ENGINEERING & LAND SURVEYING, D. P.C.
CONSULTING ENGINEERS
233 EAST MAIN ST.
MIDDLETOWN, NY 10940
PHONE: (845) 344-5863
FAX (845) 956-5865

SEAL: LICENSED PROFESSIONAL ENGINEER ALFRED A. FUSCO JR. 050408 STATE OF NEW YORK

DRAWING TITLE: SEPTIC SYSTEM DESIGN

SUBDIVISION OF PROPERTY FOR CHARKIN

TOWN OF MOUNT HOPE — STATE OF NEW YORK COUNTY OF ORANGE

PREPARED FOR: JULIET CHARKIN

APPROVED BY:	SCALE:	REFERENCE NUMBER:
AAF	1"=40'	24-101
DESIGNED BY: EJ	REVISION DATE: 3/28/25	SHEET NUMBER: 3
DRAWN BY: SDB	DATE: 7/1/24	PAGE 3 OF 8

TABLE 2
SEPARATION DISTANCES FROM WASTEWATER SOURCES

SYSTEM COMPONENTS	WELL OR SUCTION LINE(a)	TO STREAM, LAKE OR WATER COURSE (c) (b) OR WETLAND	DWELLING	PROPERTY LINE	DRAINAGE DITCH OR RAIN GARDENS (H)
HOUSE SEWER (WATERTIGHT JOINTS)	25' IF CAST IRON PIPE 50' OTHERWISE	25'	3'	10'	10'
SEPTIC TANK, DOSING TANK OR WATERTIGHT ETU	50'	50'	10'	10'	10'
EFFLUENT LINE TO DISTRIBUTION/DROP BOX	50'	50'	10'	10'	10'
DISTRIBUTION/DROP BOX	100'	100'	20'	10'	20'
ABSORPTION FIELD (C)(D)	100' (A)	100'	20'	10'	50'
SEEPAGE PIT (D)	150' (A)	100'	20'	10'	20'
RAISED SYSTEM OR MOUND (C)(D)	100' (a)	100'	20'	10'	20'
INTERMITTENT SAND FILTER (D)	100' (A)(F)	100' (F)	20'	10'	20'
NON-WATERBORNE SYSTEMS WITH OFFSITE RESIDUAL DISPOSAL	50'	50'	20'	10'	10'
NON-WATERBORNE SYSTEMS WITH OFFSITE DISCHARGE	100'	50'	20'	10'	20'

A) WHEN WASTEWATER TREATMENT SYSTEMS ARE LOCATED UPGRADE AND IN DIRECT PATH OF SURFACE WATER DRAINAGE TO A WELL, THE CLOSEST PART OF THE TREATMENT SYSTEM SHALL BE AT LEAST 200 FEET AWAY FROM THE WELL.
B) MEAN HIGH WATER MARK. WETLAND OR WATERCOURSE DETERMINATIONS SHOULD BE ADDRESSED WITH THE LHD OR OTHER AGENCY HAVING JURISDICTION AND THE APPLICABLE NYSDEC REGIONAL OFFICE.
C) FOR ALL SYSTEMS INVOLVING THE PLACEMENT OF FILL MATERIAL, SEPARATION DISTANCES ARE MEASURED FROM THE TOE OF THE SLOPE OF FILL, EXCEPT FOR SOME SHALLOW ABSORPTION TRENCH SYSTEMS AS DESCRIBED IN SECTION 9.12.2 OF THIS HANDBOOK.
D) SEPARATION DISTANCES SHALL ALSO BE MEASURED FROM THE EDGE OF THE DESIGNATED ADDITIONAL USABLE AREA (I.E., RESERVE AREA), WHEN AVAILABLE.
E) THE CLOSEST PART OF THE WASTEWATER TREATMENT SYSTEM SHALL BE LOCATED AT LEAST TEN (10) FEET FROM ANY WATER SERVICE LINE (E.G., PUBLIC WATER SUPPLY MAIN, PUBLIC WATER SERVICE LINE OR RESIDENTIAL WELL SERVICE LINE).
F) WHEN INTERMITTENT SAND FILTERS ARE DESIGNED TO BE WATERTIGHT AND COLLECT ALL EFFLUENT, THE SEPARATION DISTANCE CAN BE REDUCED TO 50 FEET.
G) THE LISTED WELL SEPARATION DISTANCES FROM CONTAMINANT SOURCES SHALL BE INCREASED BY 50% WHENEVER AQUIFER WATER ENTERS THE WELL AT LESS THEN 50 FEET BELOW GRADE. IF A 50% INCREASE CANNOT BE ACHIEVED, THEN THE GREATEST POSSIBLE INCREASE IN SEPARATION DISTANCE SHALL BE PROVIDED WITH SUCH ADDITIONAL MEASURES AS NEEDED TO PREVENT CONTAMINATION.
H) RECOMMENDED; USE SITE EVALUATION TO AVOID OWTS SHORT-CIRCUITING TO THE SURFACE OR GROUNDWATER AND TO MINIMIZE IMPACTS ON OWTS FUNCTIONALITY.
I) SEPARATION OF ABSORPTION FIELD TO INTERMITTENT STREAM, STORMWATER INFILTRATION MANAGEMENT PRACTICE, CULVERT OR STORM SEWER (NON-GASKET PIPE), OR CATCH BASIN 50'.
J) SEPARATION OF ABSORPTION FIELD TO CULVERT OR STORM SEWER (GASKET, TIGHT PIPE) 35'.
K) SEPARATION OF ABSORPTION FIELD TO SNOW STORAGE EASEMENT 10'.
L) DRAINAGE PIPES WITHIN 25' OF ANY WELL TO BE WATERTIGHT.
M) SEPARATION WELL TO SUBDIVISION BOUNDARY 50'.
N) SEPARATION ABSORPTION FIELD TO SUBDIVISION BOUNDARY 50'.
O) ABSORPTION FIELD TO HIGH-WATER LINE OF A WET POND 100'.
P) ABSORPTION FIELD TO STREAM, LAKE, WATERCOURSE (B), OR WETLAND 100'.OR WATERCOURSE DETERMINATIONS SHOULD BE ADDRESSED WITH LHD OR OTHER AGENCY HAVING JURISDICTION AND APPLICABLE NYSDEC REGIONAL OFFICE.

EMBANKMENT OR VERY STEEP SLOPE: IT IS RECOMMENDED THAT SYSTEM COMPONENTS BE LOCATED 25 FEET AND THE ABSORPTION FIELD BE LOCATED A MINIMUM OF 50 FEET FROM AN EMBANKMENT OR STEEP SLOPE. MAXIMIZE SEP[separation DISTANCES AND USE SITE EVALUATION TO AVOID SHORT-CIRCUITING TO SURFACE (BREAKOUT OR SEEPAGE).

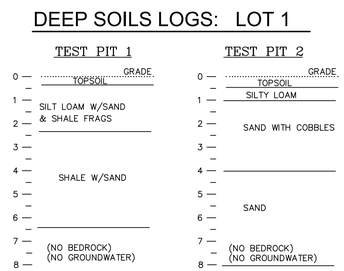
SWIMMING POOLS (ABOVE OR BELOW GROUND): IT IS RECOMMENDED THAT SYSTEM COMPONENTS BE LOCATED A MINIMUM OF 20 FEET AND THE ABSORPTION FIELD BE LOCATED A MINIMUM OF 35 FROM SWIMMING POOLS. MAXIMIZE SEPARATION DISTANCES AND USE SITE EVALUATION TO MINIMIZE IMPACTS ON THE OWTS ACCESSIBILITY AND FUNCTIONALITY.

* INDICATES PERCOLATION TESTING WITNESSED BY THE TOWN ENGINEERS OFFICE ON OCTOBER 1, 2024.

SEWAGE DISPOSAL DESIGN CRITERIA

LOT NUMBER	DATE	TEST NO.	RUN 1	RUN 2	RUN 3	RUN 4	RUN 5	DEPTH OF HOLE (IN.)	STABILIZED RATE (MIN.)	DESIGN RATE (MIN.)	DESIGN MINIMUM TRENCH LENGTH			
											3 BEDROOM HOUSE		4 BEDROOM HOUSE	
											MINIMUM	PROVIDED	MINIMUM	PROVIDED
1	5/16/24	1	6:05	7:43	9:25	9:56	N/A	26"	9:56	11-15	72 L.F.	72 L.F. (2 LINES AT 36 LF)	92 L.F.	96 L.F. (3 LINES AT 32 LF)
	10/1/24	2 *	02:33	3:03	3:19	N/A	N/A	24"	3:19					
2	5/16/24	1	:49	:55	1:07	1:23	N/A	28"	1:23	11-15	72 L.F.	72 L.F. (2 LINES AT 36 LF)	92 L.F.	96 L.F. (2 LINES AT 48 LF)
	5/16/24	2	2:56	3:52	3:55	N/A	N/A	24"	3:55					
	10/1/24	3 *	6:16	9:28	10:54	11:46	N/A	24"	11:46					
3	5/16/24	1	25:20	26:04	27:12	N/A	N/A	26"	27:12	21-30	92 L.F.	96 L.F. (3 LINES AT 32 LF)	124 L.F.	132 L.F. (3 LINES AT 44 LF)
		2 *	7:26	8:46	9:52	9:49	N/A	24"	9:49					
4	5/16/24	1	0:57	2:13	2:24	2:30	N/A	26"	2:30	11-15	72 L.F.	72 L.F. (2 LINES AT 36 LF)	92 L.F.	96 L.F. (2 LINES AT 48 LF)
	5/16/24	2	2:48	3:44	4:11	N/A	N/A	24"	4:11					
	10/01/24	3 *	6:35	8:15	9:07	N/A	N/A	24"	9:07					

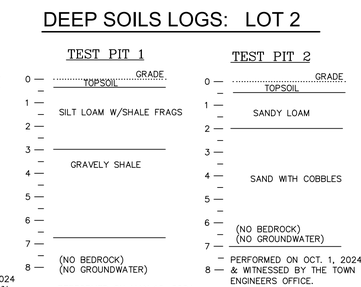
DEEP SOILS LOGS: LOT 1



PERFORMED ON MAY 16, 2024

PERFORMED ON OCT. 1, 2024 & WITNESSED BY THE TOWN ENGINEERS OFFICE.

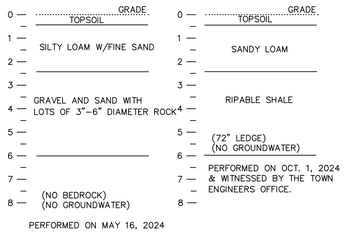
DEEP SOILS LOGS: LOT 2



PERFORMED ON MAY 16, 2024

PERFORMED ON OCT. 1, 2024 & WITNESSED BY THE TOWN ENGINEERS OFFICE.

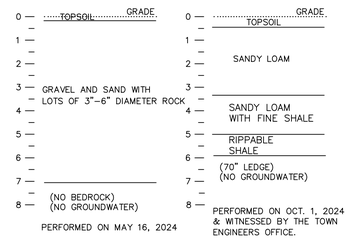
DEEP SOILS LOGS: LOT 3



PERFORMED ON MAY 16, 2024

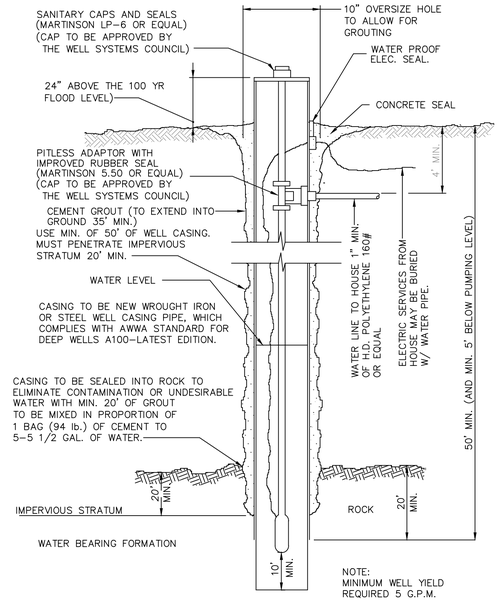
PERFORMED ON OCT. 1, 2024 & WITNESSED BY THE TOWN ENGINEERS OFFICE.

DEEP SOILS LOGS: LOT 4



PERFORMED ON MAY 16, 2024

PERFORMED ON OCT. 1, 2024 & WITNESSED BY THE TOWN ENGINEERS OFFICE.



TYPICAL 6" WELL NO SCALE

FOR SUBMERSIBLE PUMP (5 G.P.M. MIN.)

NOTE:

1.) CONSTRUCTION OF THE WELL SHALL BE IN CONFORMANCE WITH THE NYSDOH APPENDIX 5-B, STANDARDS FOR WATER WELLS - APPENDIX 5B.

2.) THE OVERSIZE DRILL HOLE FOR GROUT SHALL BE THE CASING SIZE PLUS 4"

3.) a. USE OF UNDERGROUND CABLE FROM THE WELL TO THE HOUSE, WHICH CAN BE BURIED DIRECTLY IN THE GROUND, AND BE PROTECTED AT THE WELL HEAD WITH EITHER METAL CONDUIT OR PLASTIC PIPE (PVC OR POLYETHYLENE) TO A MINIMUM DEPTH OF 24" BELOW GRADE.

b. IF THE DEPTH AT WHICH WATER ENTERS THE WELL IS LESS THAN 50' THAN THERE SHALL BE 50' OF PROPERLY GROUTED CASING INSTALLED OR SEPARATIONS MUST BE INCREASED BY 50% IN ACCORDANCE WITH APPENDIX 5-B, TABLE 1, NOTE 1.

THESE PLANS ARE INCOMPLETE/INVALID UNLESS THEY CONTAIN THE ENGINEER'S SIGNATURE AND SEAL WHERE APPLICABLE AND SHEETS 1 THROUGH 8 OF 8.

SYMB	DATE	ISSUED FOR
SDB	03/28/25	MET ON SITE W/TN. ENG. DRV. ESMT.
SDB	01/30/25	REVISED FOR COMMENTS
SDB	12/27/24	REVISED FOR COMMENTS
SDB	10/28/24	PRELIMINARY PLAN

FUSCO ENGINEERING & LAND SURVEYING, D. P.C.
CONSULTING ENGINEERS
233 EAST MAIN ST.
MIDDLETOWN, NY 10940
PHONE: (845) 344-5863
FAX (845) 956-5865

SEAL: LICENSED PROFESSIONAL ENGINEER ANTHONY A. FUSCO JR. NO. 054434 STATE OF NEW YORK

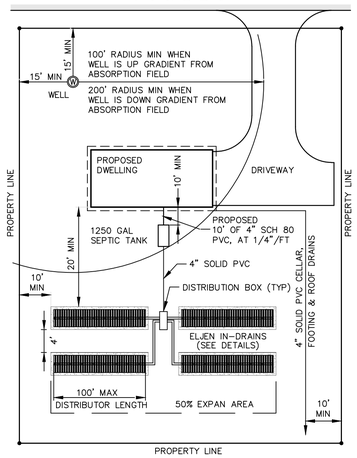
DRAWING TITLE: DRIVEWAY EASEMENT, SEPTIC NOTES & WELL DETAIL

SUBDIVISION OF PROPERTY FOR CHARKIN

TOWN OF MOUNT HOPE — STATE OF NEW YORK COUNTY OF ORANGE

PREPARED FOR:	APPROVED BY:	SCALE:	REFERENCE NUMBER:
JULIET CHARKIN	AAF	AS SHOWN	24-101
	DESIGNED BY: EJ	REVISION DATE: 3/28/25	SHEET NUMBER: 4
	DRAWN BY: SDB	DATE: 7/1/24	PAGE 4 OF 8

811 Know what's below. Call before you dig.



NOTES:

1. SEPTIC TANK IS TO BE 50' MIN FROM WELL AND 10' MIN. FROM DWELLING.
2. PIPE FROM DISTRIBUTOR BOX TO DISTRIBUTOR BOX TO BE TIGHT JOINT 4" NON-PERFORATED PVC- SLOPE 1/8" PER FOOT MIN.
3. THE ELJEN MATS ARE TO BE LAID OUT LEVEL.
4. PROVIDE 2' OF SOLID PIPE FROM THE DROP BOX TO TIE INTO THE ELJEN LATERAL.

TYPICAL ELJEN LOT LAYOUT

(NOT TO SCALE)

ADDITIONAL NOTES:

1. SEPTIC TANK IS TO BE 50' MIN FROM WELL AND 10' MIN. FROM DWELLING.
2. PIPE FROM DISTRIBUTOR BOX TO DISTRIBUTOR BOX TO BE TIGHT JOINT 4" NON-PERFORATED PVC- SLOPE 1/8" PER FOOT MIN.
3. THE ELJEN MATS ARE TO BE LAID OUT LEVEL.
4. PROVIDE 2' OF SOLID PIPE FROM THE DROP BOX TO TIE INTO THE ELJEN LATERAL.
5. SEPARATION OF ABSORPTION FIELD TO INTERMITTENT STREAM, STORMWATER INFILTRATION MANAGEMENT PRACTICE, CULVERT OR STORM SEWER (NON-CASKETED PIPE), OR CATCH BASIN 50'.
6. SEPARATION OF ABSORPTION FIELD TO CULVERT OR STORM SEWER (CASKETED, TIGHT PIPE) 35'.
7. SEPARATION OF ABSORPTION FIELD TO SNOW STORAGE EASEMENT 10'.
8. DRAINAGE PIPES WITHIN 25' OF ANY WELL TO BE WATERTIGHT.
9. SEPARATION WELL TO SUBDIVISION BOUNDARY 50'.
10. SEPARATION ABSORPTION FIELD TO SUBDIVISION BOUNDARY 50'.
11. ABSORPTION FIELD TO HIGH-WATER LINE OF A WET POND 100'.
12. ABSORPTION FIELD TO STREAM, LAKE, WATERCOURSE (B), OR WETLAND 100'.
13. (B) OR WATERCOURSE DETERMINATIONS SHOULD BE ADDRESSED WITH LHD OR OTHER AGENCY HAVING JURISDICTION AND APPLICABLE NYSDEC REGIONAL OFFICE.

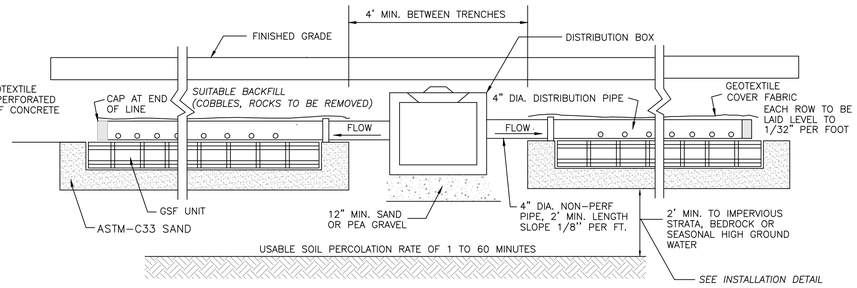
TYPICAL LOT LAYOUT NOTES

TRENCH INSTALLATION SIZING AND GUIDELINES

1. ENSURE ALL COMPONENTS LEADING TO THE GSF SYSTEM ARE INSTALLED PROPERLY. SEPTIC TANK EFFLUENT FILTERS ARE REQUIRED WITH THE GSF SYSTEM.
2. DETERMINE THE NUMBER OF GSF MODULES REQUIRED USING THE TRENCH SIZING EXAMPLE.
3. PREPARE THE SITE. DO NOT INSTALL SYSTEM ON SATURATED GROUND OR WET SOILS THAT ARE SMEARED DURING EXCAVATION. KEEP MACHINERY OFF INFILTRATIVE AREAS.
4. PLAN ALL DRAINAGE REQUIREMENTS ABOVE (UP-SLOPE) OF THE SYSTEM. SET SOIL GRADES TO ENSURE THAT STORM WATER DRAINAGE AND GROUND WATER IS DIVERTED AWAY FROM THE ABSORPTION AREA ONCE THE SYSTEM IS COMPLETE.
5. EXCAVATE THE TRENCH; PREPARE THE RECEIVING LAYER TO MAXIMIZE THE INTERFACE BETWEEN THE NATIVE SOIL AND SPECIFIED SAND.
6. MINIMIZE WALKING IN THE TRENCH PRIOR TO PLACEMENT OF THE SPECIFIED SAND TO AVOID SOIL COMPACTION.
7. PLACE SPECIFIED SAND IN 6" LIFT AND STABILIZE BY FOOT, A HANDHELD TAMPING TOOL OR A PORTABLE VIBRATING COMPACTOR. THE MINIMUM HEIGHT BELOW THE GSF MODULE MUST BE LEVEL AT 6".
8. PLACE GSF MODULES WITH PAINTED STRIPE FACING UP, END TO END ON TOP OF THE SPECIFIED SAND ALONG THEIR 4-FOOT LENGTH.
9. A STANDARD 4-INCH PERFORATED PIPE, SDR 35 OR EQUIVALENT, IS CENTERED ALONG THE MODULES 4-FOOT LENGTH. ORIFICES ARE SET AT 4 & 8 O'CLOCK POSITION.
10. ALL 4-INCH PIPES ARE SECURED WITH MANUFACTURERS SUPPLIED WIRE CLAMPS, ON PER MODULE.
11. (PRESSURE DISTRIBUTION SYSTEMS) INSERT A PRESSURE PIPE (SIZE PER DESIGN AND CODE) INTO THE STANDARD 4-INCH PERFORATED PIPE. THE PRESSURE ORIFICES ARE SET AT THE 12 O'CLOCK POSITION AS SHOWN IN FIGURE 14. EACH PRESSURE LATERAL WILL HAVE A DRAIN HOLE AT THE 6 O'CLOCK POSITION. EACH PRESSURE LATERAL SHALL INCLUDE SWEEPING CLEANOUTS AT THE TERMINAL ENDS AND BE ACCESSIBLE FROM GRADE.
12. COVER FABRIC SUBSTITUTION IS NOT ALLOWED. THE INSTALLER SHOULD LAY THE ELJEN PROVIDED GEOTEXTILE COVER FABRIC LENGTHWISE DOWN THE TRENCH, WITH THE FABRIC FITTED TO THE PERFORATED PIPE ON TOP OF THE GSF MODULES. FABRIC SHOULD BE NEITHER TOO LOOSE, NOR TOO TIGHT. THE CORRECT TENSION OF THE COVER FABRIC IS SET BY:
    A. SPREADING THE COVER FABRIC OVER THE TOP OF THE MODULE AND DOWN BOTH SIDES OF THE MODULE WITH THE COVER FABRIC TENTED OVER THE TOP OF THE PERFORATED DISTRIBUTION PIPE.
    B. PLACE SHOVELFULS OF SPECIFIED SAND DIRECTLY OVER THE PIPE AREA ALLOWING THE COVER FABRIC TO FORM A MOSTLY VERTICAL ORIENTATION ALONG THE SIDES OF THE PIPE. REPEAT THIS STEP MOVING DOWN THE PIPE.
13. PLACE SAND EXTENSIONS ALONG THE SIDES OF THE MODULES EDGE. A MINIMUM OF 6 INCHES OF SPECIFIED SAND IS PLACED AT THE BEGINNING AND END OF EACH TRENCH.
14. COMPLETE BACKFILL WITH A MINIMUM OF 12 INCHES OF CLEAN POROUS FILL MEASURED FROM THE TOP OF THE MODULE. BACKFILL EXCEEDING 18 INCHES REQUIRES VENTING AT THE FAR END OF THE TRENCH. USE WELL GRADED NATIVE SOIL THAT IS CLEAN, POROUS AND DEVOID OF LARGE ROCKS. DO NOT USED WHEELED EQUIPMENT OVER THE SYSTEM. A LIGHT TRACK MACHINE MAY BE USED WITH CAUTION, AVOID CRUSHING OR SHIFTING OF THE PIPE ASSEMBLY.
15. DIVERT SURFACE RUNOFF FROM THE SYSTEM. FINISH GRADE TO PREVENT SURFACE PONDING. TOPSOIL AND SEED SYSTEM AREA TO PROTECT FROM EROSION.

REQUIRED ELJEN NOTES ON DESIGN PLANS

1. THIS DESIGN AND CONSTRUCTION REQUIRMENT COMPLIES WITH APPENDIX 75-A AND LOCAL HEALTH DEPARTMENT REGULATIONS.
2. THIS DESIGN COMPLIES WITH AND MUST BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT ELJEN NEW YORK DESIGN AND INSTALLATION MANUAL.
3. THIS SYSTEM IS NOT DESIGNED FOR USE WITH A GARBAGE GRINDER.
4. THIS SYSTEM IS NOT DESIGNED FOR BACKWASH FROM A WATER SOFTNER.
5. ORGANIC MATERIAL CAN RESTRICT FLOW MUST BE REMOVED FOR RAISED BEDS. THE SOIL MUST BE SCARIFIED TO PROVIDE DEEP CHANNELS FOR THE SAND. A PLOWED INTERFACE ON CONTOUR IS RECOMMENDED TO PREPARE THE SOIL FOR FILL REPLACEMENT.
6. SCARIFY ANY SMEARED SUBSOIL PRIOR TO FILL REPLACEMENT.
7. FILL MATERIAL SHALL MEET OR EXCEED STATE OF NEW YORK CODE REQUIREMENTS. ALL FILL MATERIAL SHALL BE CLEAN BANK RUN SAND, FREE OF TOPSOIL, HUMUS, AND DREDGING DIRECTLY BENEATH THE GSF SYSTEM.
8. ASTM C33 SPECIFIED SAND WITH LESS THAN 10% PASSING A #100 SIEVE AND LESS THAN 5% PASSING A #200 SIEVE SHALL BE PLACED BELOW AND AROUND GSF MODULES, WITH 6" MINIMUM UNDERNEATH AND 6" MINIMUM SURROUNDING THE GSF MODULES IN TRENCH CONFIGURATIONS. IN BED SYSTEMS, USE 6" MINIMUM UNDERNEATH THE MODULES WITH 12" MINIMUM AROUND THE PERIMETER OF THE MODULES.
9. ELJEN PROVIDED GEOTEXTILE COVER FABRIC SHALL PROVIDE PROPER TENSION AND ORIENTATION OF THE FABRIC AROUND THE SIDES OF THE PERFORATED PIPE ON TOP OF THE GSF MODULES. FABRIC SHOULD NEITHER TOO LOOSE, NOR TO TIGHT. THE CORRECT TENSION OF THE COVER FABRIC IS SET BY:
    A) SPREADING THE COVER FABRIC OVER THE TOP OF THE MODULE AND DOWN BOTH SIDES OF THE ODULE WITH THE COVER FABRIC TENTED OVER THE TOP OF THE PERFORATED DISTRIBUTION PIPE.
    B) PLACE SHOVEL FULLS OF SPECIFIED SAND DIRECTLY OVER THE PIPE AREA ALLOWING THE COVER FABRIC TO FORM A MOST VERTICAL ORIENTATION ALONG THE SIDES OF THE PIPE. REPEAT THE STEP MOVING DOWN THE PIPE.
10. BACKFILL MATERIAL SHALL BE CLEAN WITH NO ROOTS OR STONES LARGER THAN 2" IN ANY DIMENSION TO A MINIMUM DEPTH OF 8" OVER THE GSF MODULES AND FINAL COVER FOR VEGETATION OF 4" TO 6" OF CLEAN LOAM.
11. ANY SYSTEM WHICH IS MORE THAN 18" BELOW FINISH GRADE AS MEASURED FROM THE TOP OF THE MODULE SHALL BE VENTED.



NOTE:
ANY SYSTEM WHICH IS MORE THAN 18" BELOW FINISHED GRADE AS MEASURED FROM THE TOP OF MODULE SHALL BE VENTED.

ELJEN GSF UNIT INSTALLATION DETAIL

N.T.S.

ASTM-C33 SAND SPEC.

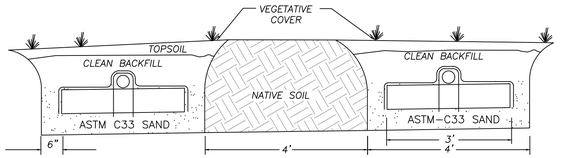
SIEVE SIZE	SIZE	PERCENT PASSING WET SIEVE
0.375	9.5 mm	100.0-100.0
NO. 4	4.75 mm	95-100.0
NO. 8	2.36 mm	80.0-100.0
NO. 16	1.18 mm	50.0-85.0
NO. 30	600 µm	25.0-60.0
NO. 50	300 µm	5.0-30.0
NO. 100	150 µm	< 10
NO. 200 (WET)	75 µm	< 5.0

ELJEN GSF DIMENSION & SPECIFICATIONS

TYPE B IN-DRAIN UNIT	36"W x 48" L x 7"H
LARGE CORE WIDTH	1.250"
SMALL CORE WIDTH	0.750"
DESIGN FLOW	LESS THAN 1,000 GAL/DAY
VOIDS/VOLUME PER IN-DRAIN	90% VOIDS/50 GAL
DISTANCE TO SEASONAL HIGH WATER TABLE, IMPERVIOUS STRATA OR BEDROCK	2' MINIMUM MEASURED FROM BOTTOM OF CONCRETE SAND
DEPTH OF COVER OVER DISTRIBUTION PIPE	16" MINIMUM
BACKFILL	SUITABLE, CLEAN WITH COBBLES AND ROCKS REMOVED
ASTM-C33 SAND	ASTM-C33 SAND
DISTRIBUTION PIPE PERFORATED	4" DIA. PVC SCH 40
DISTRIBUTION PIPE NON-PERFORATED	4" DIA. PVC SCH 40
GEOTEXTILE FILTER FABRIC COVER PROVIDED WITH IN-DRAIN UNITS	TYPAR 3401
SPACING BETWEEN IN-DRAIN UNITS	4' BETWEEN TRENCHES
ACCEPTABLE SOIL PERCOLATION RATE	1-60 MIN/IN ABSORPTION TRENCH
DISTRIBUTION METHODS	GRAVITY/PUMP/SIPHON

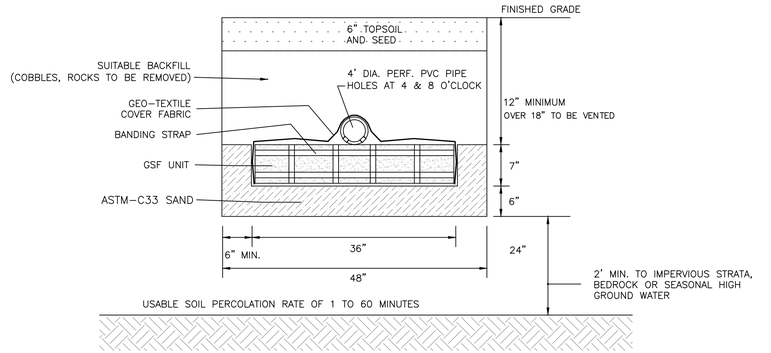
WATER SAVING FIXTURES NOTES:

1. THE USE OF POST 1994 WATER SAVING FIXTURES ARE REQUIRED IN THE DWELLING.
2. POST 1994 WATER SAVING FIXTURES SHALL BE AS DEFINED IN "RESIDENTIAL ONSITE WASTEWATER TREATMENT SYSTEM, DESIGN HANDBOOK", NEW YORK STATE DEPARTMENT OF HEALTH, 2012 ED., TABLE 1-DAILY DESIGN FLOWS FOR VARIOUS HOUSEHOLD PLUMBING.
3. A DESIGN FLOW OF 110 GALLONS PER BEDROOM PER DAY SHALL BE USED IN DETERMINING REQUIRED WATER SAVING PLUMBING FIXTURES.
4. WATER SAVING PLUMBING FIXTURES SHALL BE DEFINED AS FOLLOWS:
    A) 1.6 GALLONS PER FLUSH WATER CLOSETS.
    B) 2.5 GALLONS PER MINUTE FAUCETS/SHOWERHEADS.



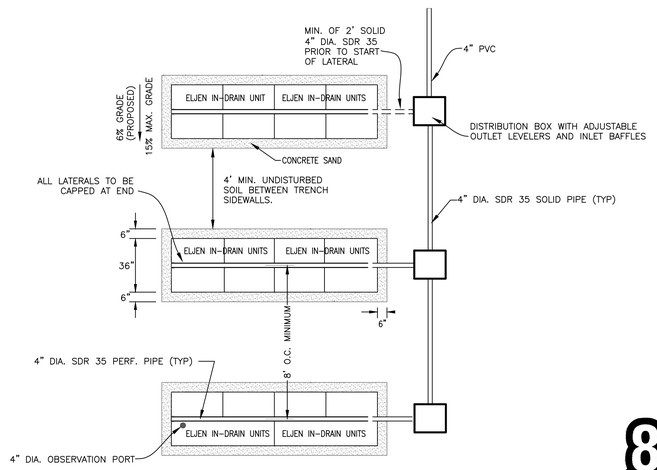
ELJEN GSF MULTIPLE TRENCH CROSS SECTION

N.T.S.



ELJEN GSF UNIT INSTALLATION DETAIL

N.T.S.



ELJEN IN-DRAIN ABSORPTION TRENCH CONFIGURATION

N.T.S. (USE FOR ALL LOTS)

Know what's below. Call before you dig.

THESE PLANS ARE INCOMPLETE/INVALID UNLESS THEY CONTAIN THE ENGINEER'S SIGNATURE AND SEAL WHERE APPLICABLE AND SHEETS 1 THROUGH 8 OF 8.

SYMB	DATE	ISSUED FOR
SDB	03/28/25	MET ON SITE W/TN. ENG. DRV. ESMT.
SDB	01/30/25	REVISED FOR COMMENTS
SDB	12/27/24	REVISED FOR COMMENTS
SDB	10/28/24	PRELIMINARY PLAN

FUSCO ENGINEERING & LAND SURVEYING, D. P.C.
CONSULTING ENGINEERS
233 EAST MAIN ST.
MIDDLETOWN, NY 10940
PHONE: (845) 344-5863
FAX (845) 956-5865

SEAL: LICENSED PROFESSIONAL ENGINEER, FRED A. FUSCO, JR., NO. 054481, STATE OF NEW YORK

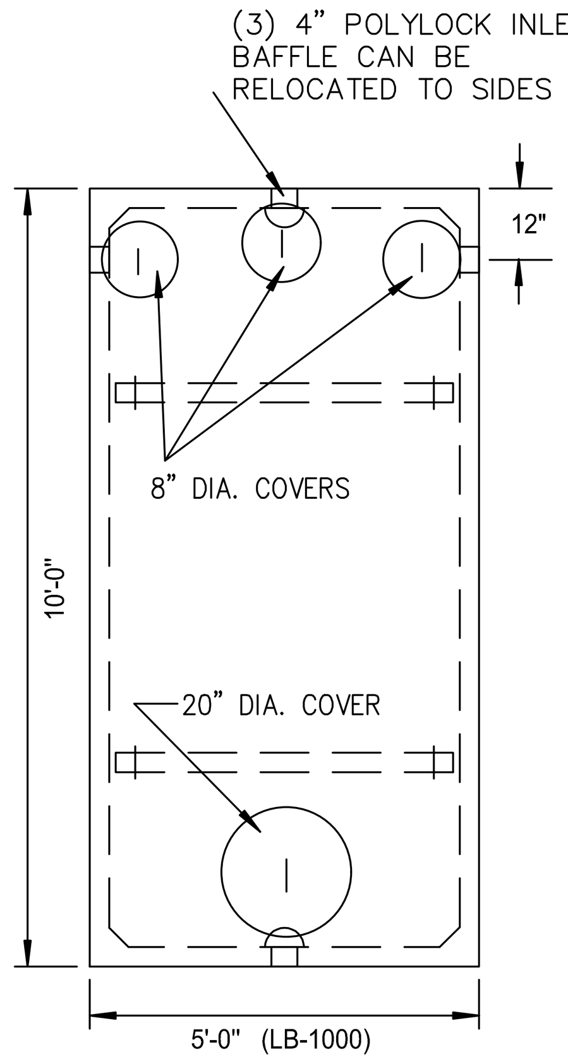
DRAWING TITLE: ELJEN DETAILS

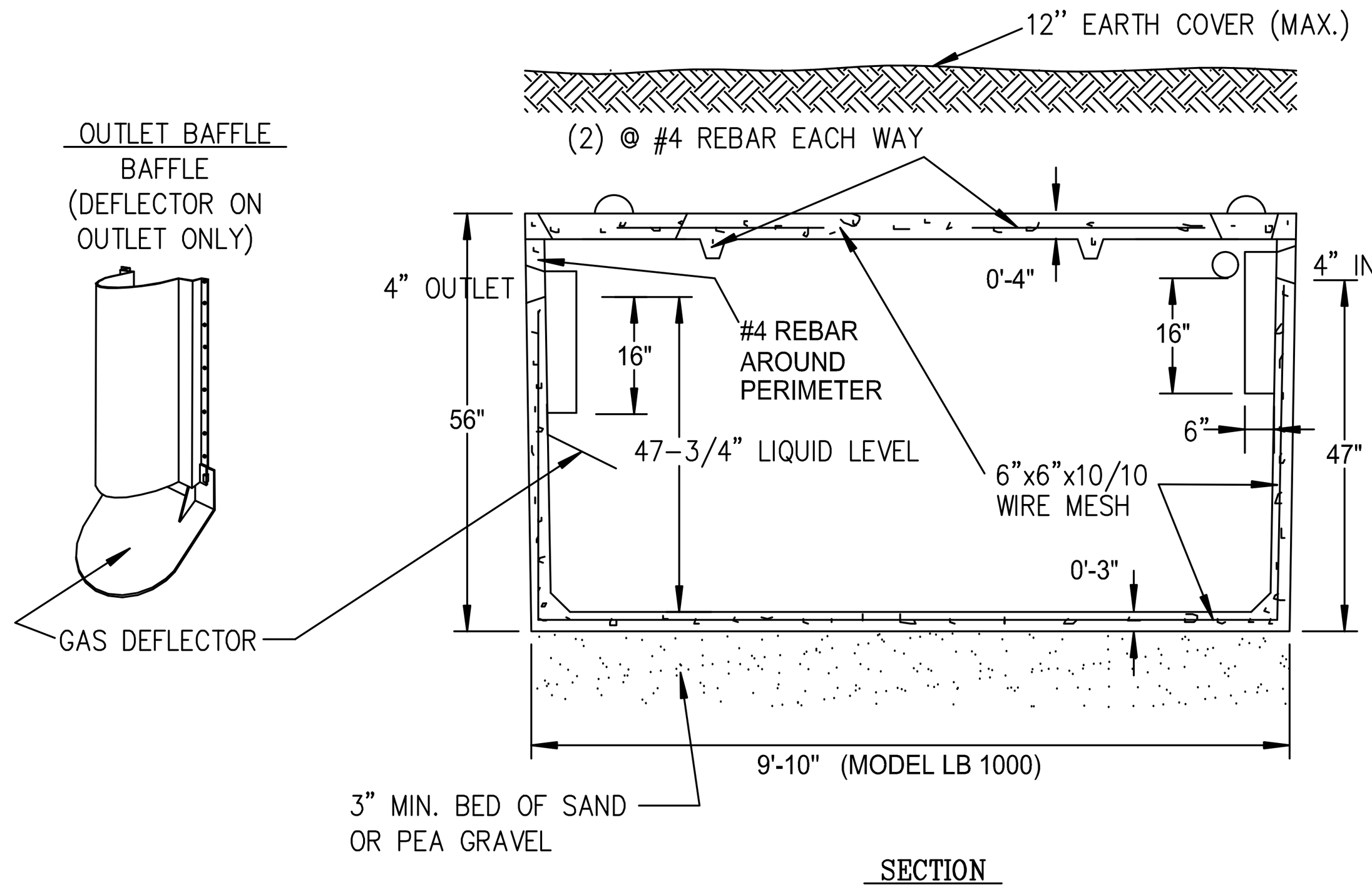
SUBDIVISION OF PROPERTY FOR CHARKIN

TOWN OF MOUNT HOPE — STATE OF NEW YORK — COUNTY OF ORANGE

PREPARED FOR: JULIET CHARKIN

APPROVED BY: AAF	SCALE: AS SHOWN	REFERENCE NUMBER: 24-101
DESIGNED BY: EJ	REVISION DATE: 3/28/25	SHEET NUMBER: 5
DRAWN BY: SDB	DATE: 7/1/24	PAGE 5 OF 8



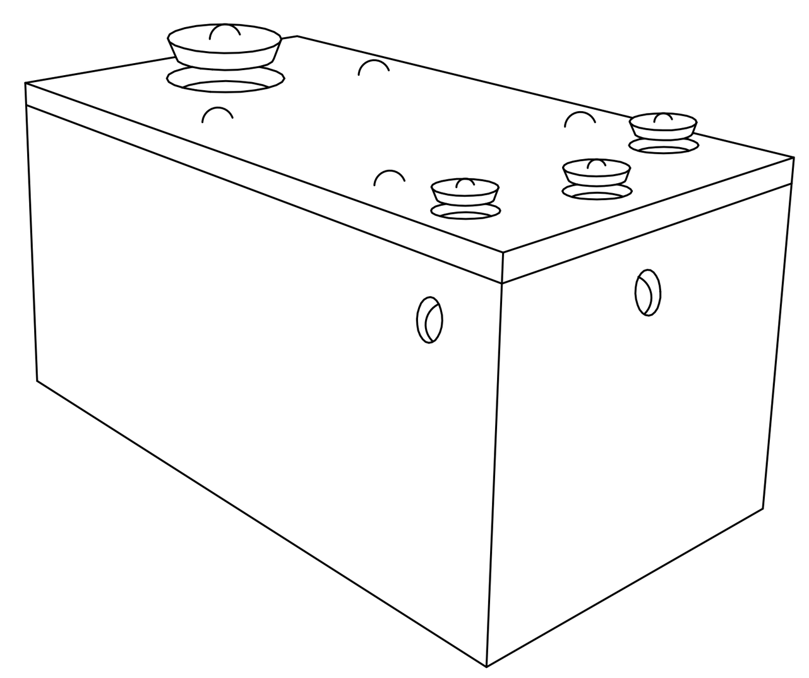


TYPICAL CONCRETE SEPTIC TANK

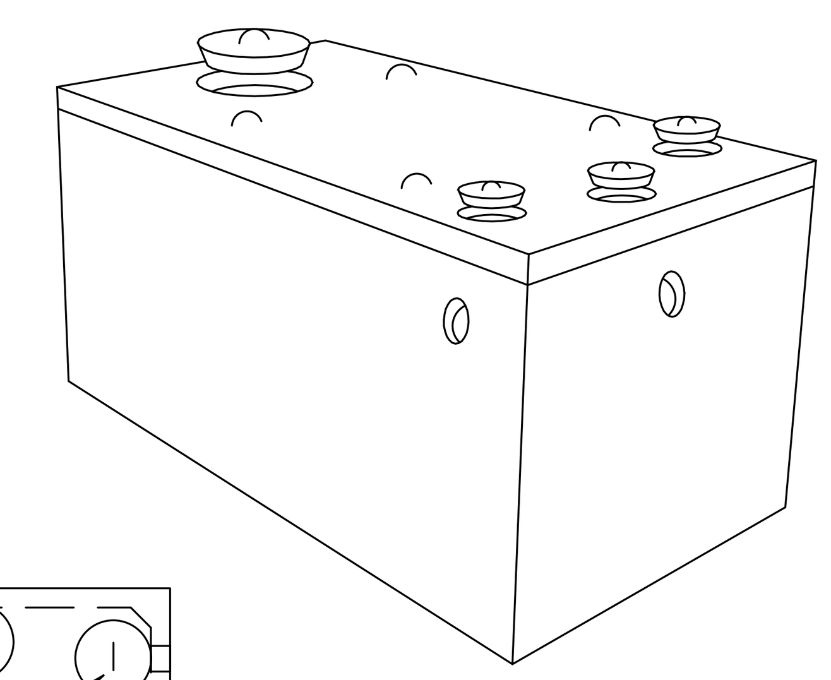
NOT TO SCALE

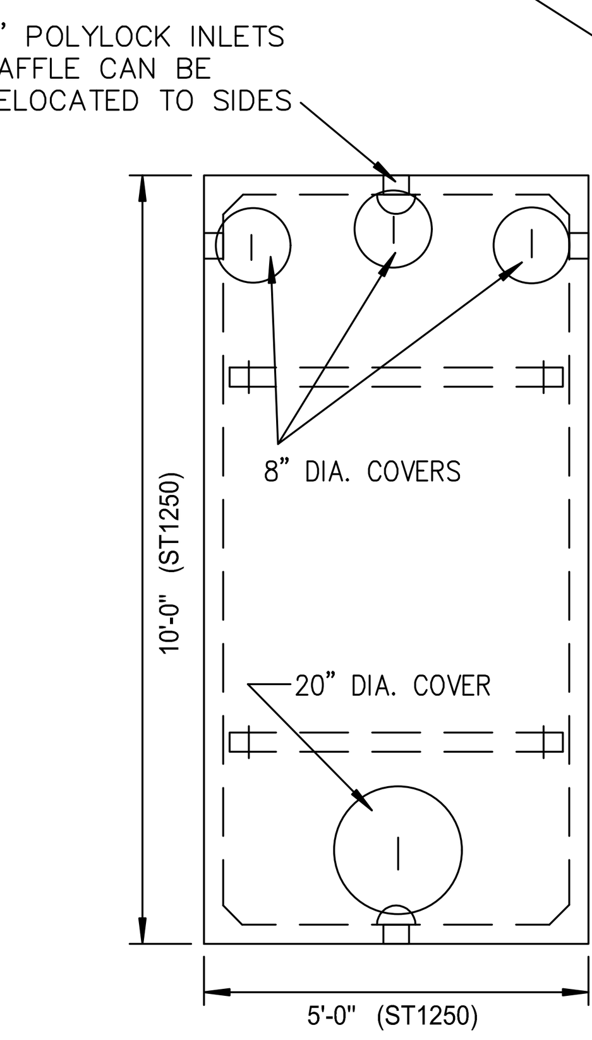
NOTES:

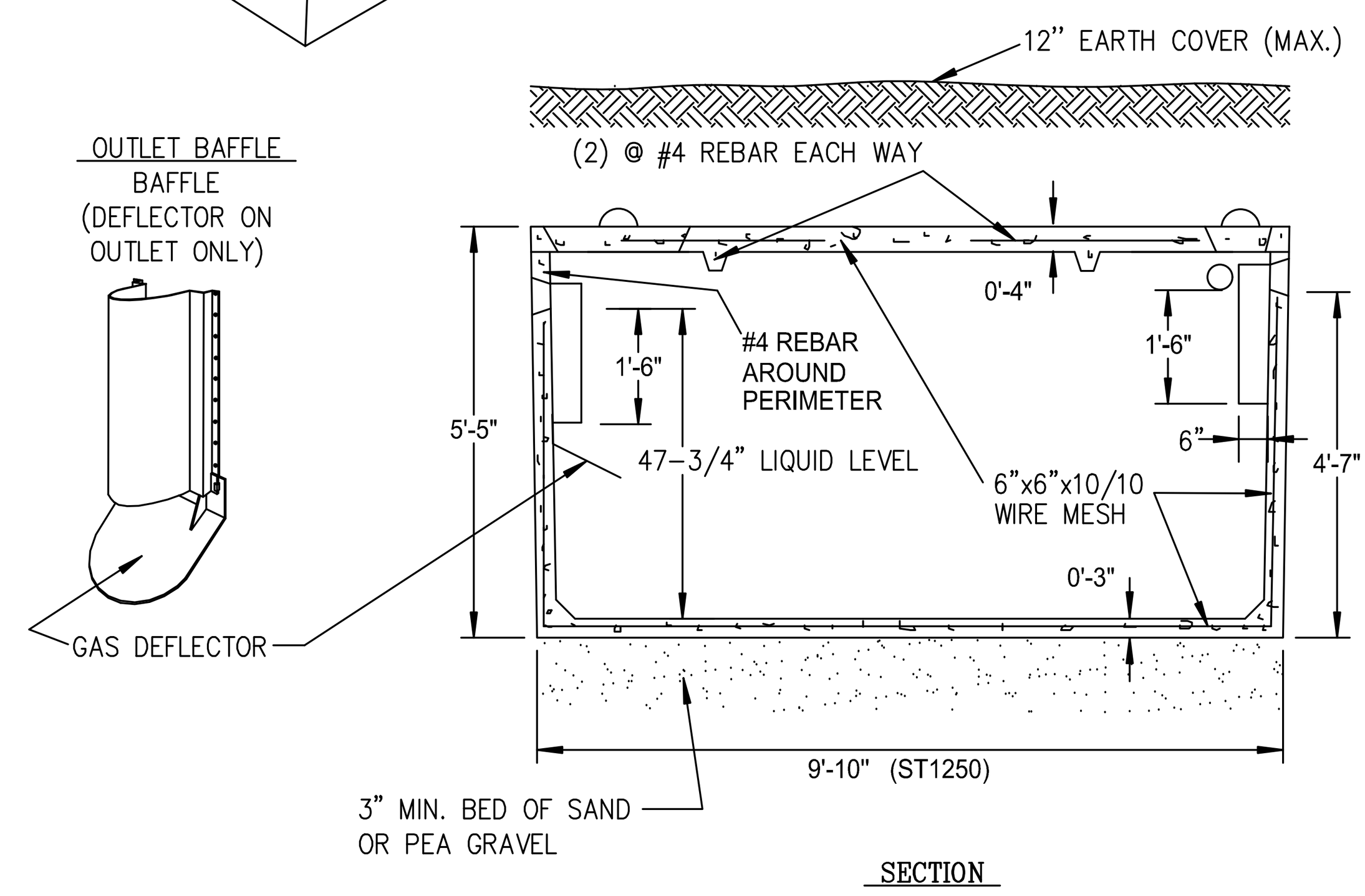
1. TYPICAL PRECAST CONCRETE SEPTIC TANKS, WOODARD CONCRETE PRODUCTS, INC. (PROVIDE WATER TIGHT SEAL AT ANY CONSTRUCTION JOINT.)
2. INLET AND OUTLET JOINTS TO SEPTIC TANK ARE TO BE SEALED WITH A NON-SHRINK MORTAR.
3. TO BE USED FOR A TWO TO THREE BEDROOM DWELLING.
4. A EFFLUENT SEPTIC FILTER SHALL BE PLACED ON THE OUTLET OF TANK.



SPECIFICATIONS	PRECAST SEPTIC TANKS
Concrete Minimum Strength: 4,000 psi at 28 days Reinforcement: 6"x6"x10ga. Wire Mesh, #4 Rebar Air Entrainment: 6% Construction Joint: Butyl Rubber Sealant Pipe Connection: Polylok Seal (patented) Load Rating: 300 psf Weight = 8,700 lbs for Model ST-1000 Weight = 9,500 lbs for Model ST-1250	MODEL LB-1000 1000 GALLONS Woodard's Concrete Products, Inc. 629 Lybolt Road, Bullville, NY 10915 (845) 361-3471 Fax 361-1050







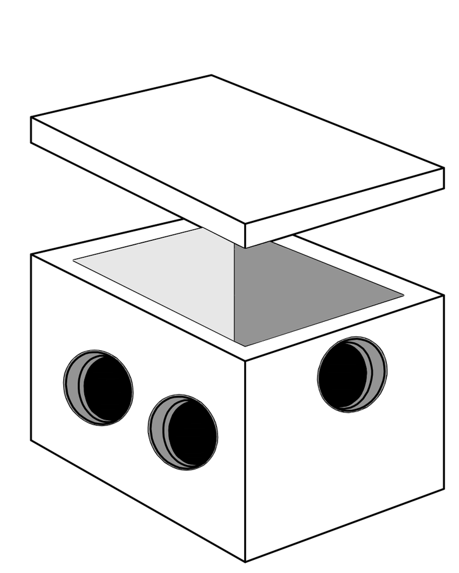
TYPICAL CONCRETE SEPTIC TANK

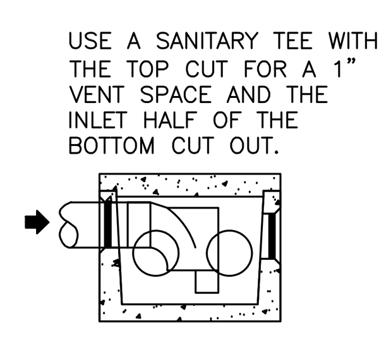
NO SCALE

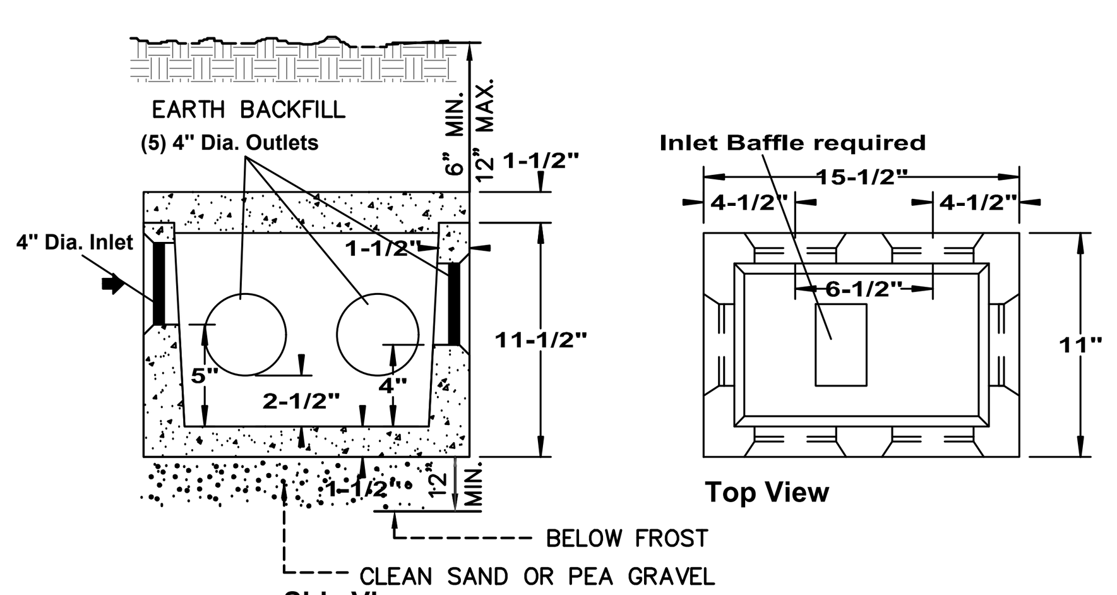
NOTES:

1. TYPICAL PRECAST CONCRETE SEPTIC TANKS, WOODARD CONCRETE PRODUCTS, INC. (PROVIDE WATER TIGHT SEAL AT ANY CONSTRUCTION JOINT.)
2. INLET AND OUTLET JOINTS TO SEPTIC TANK ARE TO BE SEALED WITH A NON-SHRINK MORTAR.
3. TO BE USED FOR A FOUR BEDROOM DWELLING.
4. A EFFLUENT SEPTIC FILTER SHALL BE PLACED ON THE OUTLET OF TANK.

SPECIFICATIONS	PRECAST SEPTIC TANKS
Concrete Minimum Strength: 4,000 psi at 28 days Reinforcement: 6"x6"x10ga. Wire Mesh, #4 Rebar Air Entrainment: 5% Construction Joint: Butyl Rubber Sealant Pipe Connection: Polylok Seal (patented) Load Rating: 300 psf Weight = 8,700 lbs for Model ST-1000 Weight = 9,500 lbs for Model ST-1250	MODEL ST-1250 1250 GALLONS *Woodard's Concrete Products, Inc.* *629 Lybolt Road, Bullville, NY* *10915 (845) 361-3471* *Fax 361-1050*





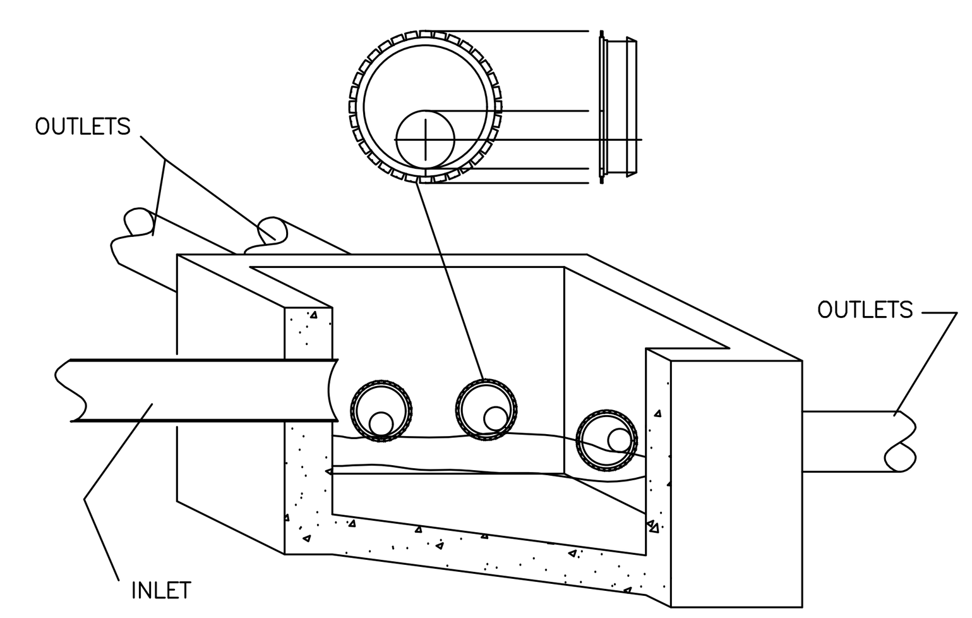


SPECIFICATIONS	PRECAST DISTRIBUTION BOXES
Concrete Min. Strength: 4,000 psi at 28 days Reinforcement: Fiber Air Entrainment: 5% Pipe Connection: Polylok Seal (patented) Load Rating: 300 psf Weight = 75 lbs	MODEL DB-6DB / 5 OUTLET DROP BOX Woodard's Concrete Products, Inc. 629 Lybolt Road, Bullville, NY 10915 (845) 361-3471 / Fax 361-1050 Page 2B 1/5/05

www.woodardsconcrete.com

DB-6DB DETAIL

NOT TO SCALE

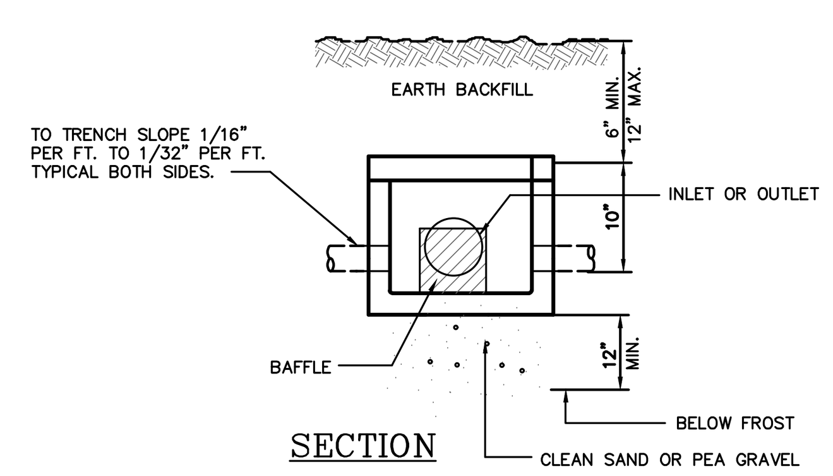


NOTES:

1. FLOW EQUALIZATION DEVICES ARE TO BE USED ON AT THE OUTLET PIPES OF THE DISTRIBUTION BOX, AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
2. DISTRIBUTION BOXES SHOULD BE EXAMINED BETWEEN 6 TO 12 MONTHS AFTER THEY ARE INSTALLED TO DETERMINE IF THEY REMAIN LEVEL AND, IF NECESSARY, TO MAKE ADJUSTMENTS.
3. FLOW LEVELERS SHALL NOT COMPENSATE FOR MORE THAN 1-1/4 INCH DIFFERENCE IN PIPE ELEVATIONS. IN THIS CASE, THE CAUSE OF ELEVATION DIFFERENCES IS TO BE CORRECTED AND THE FLOW LEVELERS AGAIN INSTALLED AND ADJUSTED.

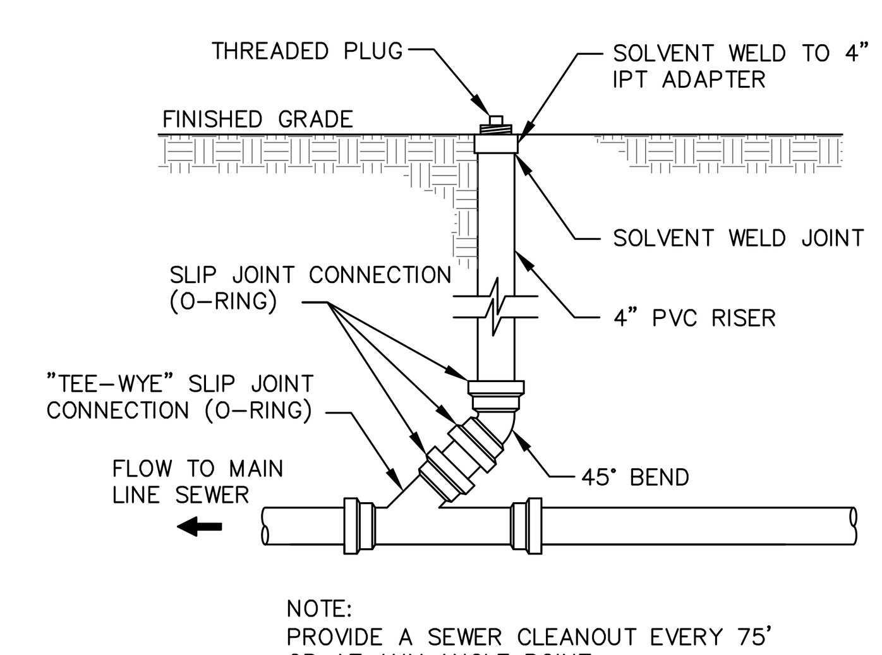
FLOW LEVELER DETAIL

NOT TO SCALE



DB-6 INSTALLATION DETAIL

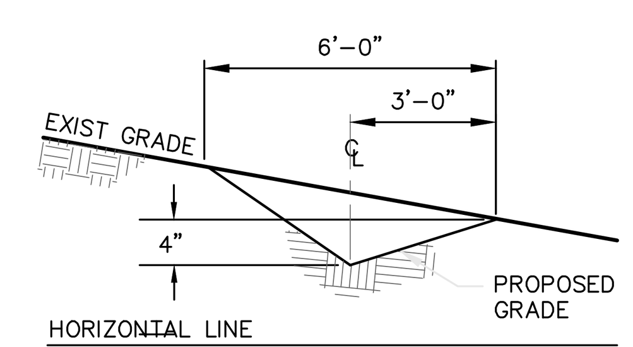
NOT TO SCALE



NOTE:
PROVIDE A SEWER CLEANOUT EVERY 75' OR AT ANY ANGLE POINT.

STANDARD CLEANOUT CONNECTION DETAIL

(NOT TO SCALE)



SWALE DETAIL

(NOT TO SCALE)

Know what's below.
Call before you dig.

THESE PLANS ARE INCOMPLETE/INVALID UNLESS THEY CONTAIN THE ENGINEER'S SIGNATURE AND SEAL WHERE APPLICABLE AND SHEETS 1 THROUGH 8 OF 8.

SYMB	DATE	ISSUED FOR
SDB	03/28/25	MET ON SITE W/TN. ENG. DRV. ESMT.
SDB	01/30/25	REVISED FOR COMMENTS
SDB	12/27/24	REVISED FOR COMMENTS
SDB	10/28/24	PRELIMINARY PLAN

FUSCO ENGINEERING & LAND SURVEYING, D. P.C.
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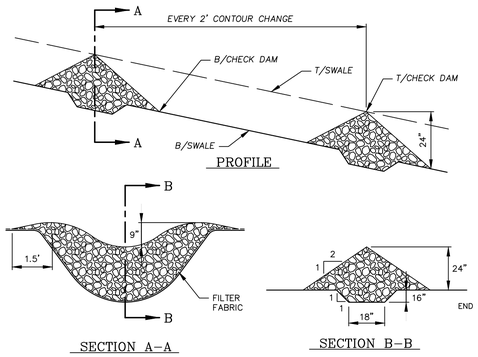
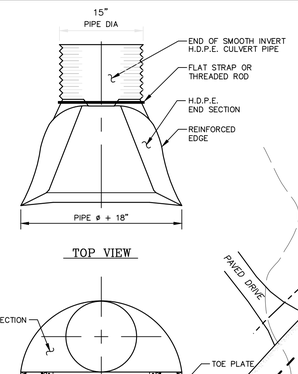
233 EAST MAIN ST.
MIDDLETOWN, NY 10940
PHONE: (845) 344-5863
FAX (845) 956-5865

SEAL: LICENSED PROFESSIONAL ENGINEER — ALFRED A. FUSCO, JR. — NO. 054404 — STATE OF NEW YORK

DRAWING TITLE: TANK DETAILS			
SUBDIVISION OF PROPERTY FOR CHARKIN			
TOWN OF MOUNT HOPE			STATE OF NEW YORK COUNTY OF ORANGE
PREPARED FOR: JULIET CHARKIN	APPROVED BY: AAF	SCALE: AS SHOWN	REFERENCE NUMBER: 24-101
	DESIGNED BY: EJ	REVISION DATE: 3/28/25	SHEET NUMBER: 6
	DRAWN BY: SDB	DATE: 7/1/24	PAGE 6 OF 8





NOTE:
RIP-RAP TO BE PROVIDED AT THE END OF THE FLARED END SECTION AS PER PLANS.

FLARED END SECTION

(NOT TO SCALE)

CONSTRUCTION SPECIFICATION NOTES:

1. THIS CHECK DAM SHALL BE USED AS A TEMPORARY MEASURE TO LIMIT EROSION BY RESTRICTING THE VELOCITY OF FLOW OF THE CHANNEL.
2. STONE SHALL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS AS SHOWN ON THE PLAN.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT THE WATER FROM 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 THE CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKADE FROM DISPLACED STONES.
6. THE CHECK DAMS SHOULD BE INSPECTED AFTER EACH RUNOFF EVENT. ALL DAMAGE SHALL BE CORRECTED IMMEDIATELY. IF SIGNIFICANT EROSION HAS OCCURRED BETWEEN CHECK DAMS, A LINER OF STONE OR OTHER SUITABLE MATERIAL SHALL BE INSTALLED IN THAT PORTION OF THE CHANNEL.
7. REMOVED SEDIMENT ACCUMULATED BEHIND THE DAMS AS NEEDED TO ALLOW THE CHANNEL TO DRAIN THROUGH THE STONE CHECK DAM AND PREVENT LARGE FLOWS FROM CARRYING SEDIMENT OVERT THE DAMS. REPLACE STONES AS NEEDED TO MAINTAIN THE DESIGN CROSS SECTION PROPERTIES OF THE STRUCTURE.
8. STONE SHALL BE 3" – 6" DIAMETER.

STONE CHECK DAM

(NOT TO SCALE)

TREE CLEARING:

NOTES:
TREE CUTTING RESTRICTION FROM NOVEMBER 1 AND MARCH 31 OF ANY GIVEN YEAR TO PROTECT THE NORTHERN LONG–EARED BAT AND ALL NEW GROUND DISTURBANCE IS ALSO RESTRICTED TO THIS TIME PERIOD TO PROTECT THE INDIANA BAT.

NO CUTTING OF ANY TREES MAY OCCUR WITHIN THE ¼ MILE BUFFER AROUND A HIBERNATION SITE. NO ACTIVITIES THAT MAY RESULT IN DISTURBANCE TO A HIBERNATION SITE INCLUDING, BUT NOT LIMITED TO, ACTIONS THAT WOULD ALTER THE HYDROLOGY, INCREASE NOISE OR INTRODUCE FILL MAY OCCUR.

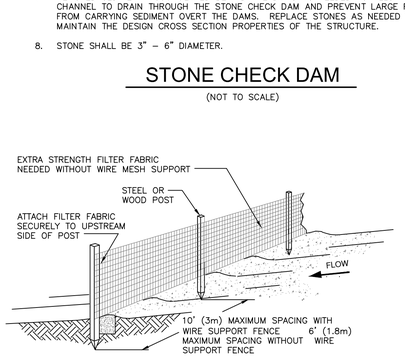
PLEASE NOTE THAT IF YOU PLAN ANY DEVELOPMENT OR TREE CLEARING ACTIVITIES WITHIN ¼ MILE OF A HIBERNATION AREA FOR NLEB, YOU MAY BE REQUIRED TO OBTAIN A PERMIT FROM THE US FISH AND WILDLIFE SERVICE AND THE DEC.

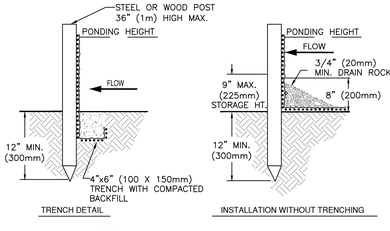
FOR CUTTING OF TREES OUTSIDE OF THE ¼ MILE BUFFER AROUND HIBERNACULA:

NO RESTRICTIONS, WITH THE FOLLOWING VOLUNTARY MEASURES RECOMMENDED:

LEAVE UNCUT ALL KNOWN AND DOCUMENTED ROOST TREES, AND ANY TREES WITHIN A 150 FOOT RADIUS OF A DOCUMENTED SUMMER OCCURRENCE.

LEAVE UNCUT ALL SNAG AND CAVITY TREES UNLESS THEIR REMOVAL IS NECESSARY FOR PROTECTION OF HUMAN LIFE AND PROPERTY. FOR THE PURPOSES OF THIS GUIDANCE, PROTECTION OF HUMAN LIFE AND PROPERTY INCLUDES REMOVAL OF TREES THAT, IF NOT REMOVED, COULD RESULT IN THE LOSS OF ELECTRIC SERVICE. SNAG AND CAVITY TREES ARE DEFINED UNDER:
DEC PROGRAM POLICY ONR–DLF–2 RETENTION ON STATE FORESTS.





NOTES:

1. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
2. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.
3. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF–SITE AND CAN BE PERMANENTLY STABILIZED.

SILT FENCE DETAILS

NOT TO SCALE

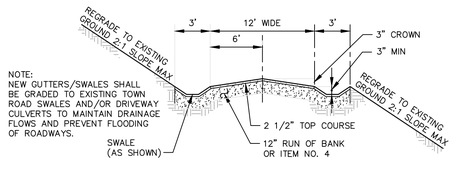
EROSION CONTROL NOTES

SITE DISTURBANCE TO BE LIMITED ONLY TO NECESSARY GRADING ON ROADS, BUILDING LOCATIONS, PARKING AREAS, DRIVEWAYS AND AREAS AS CALLED FOR ON THE PLAN.

TEMPORARY SEEDING WITH ANNUAL RYE GRASS AT 1/2 LB. PER 1,000 S.F. AND MULCHING 100–140 LBS. HAY OR STRAW PER 1,000 S.F. TO BE PERFORMED ON DISTURBED SOIL REMAINING VACANT FOR MORE THAN ONE MONTH.

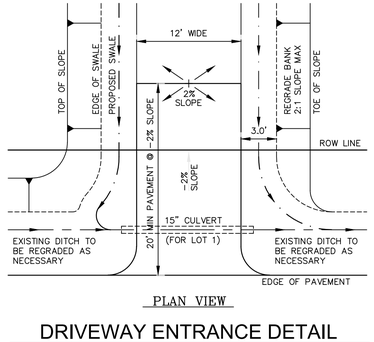
AFTER GRADING, BERMS AND SWALES WILL BE CREATED TO DIVERT RUNOFF FROM NEWLY GRADED AREAS TO PREVENT EROSION UNTIL GROUND COVER HAS DEVELOPED.

HAY BALES SHALL BE PLACED AS SHOWN BELOW, AT BOTTOM EDGE OF CUT AND FILL SLOPES TO PREVENT SILTATION ON LANDS OF OTHERS, AND IN DRAINAGEWAYS, AND SHALL BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED.



NOTE:
NEW GUTTERS/SWALES SHALL BE GRADED TO EXISTING TOWN ROAD SWALES AND/OR DRIVEWAY CULVERTS TO MAINTAIN DRAINAGE FLOWS AND PREVENT FLOODING OF ROADWAYS.

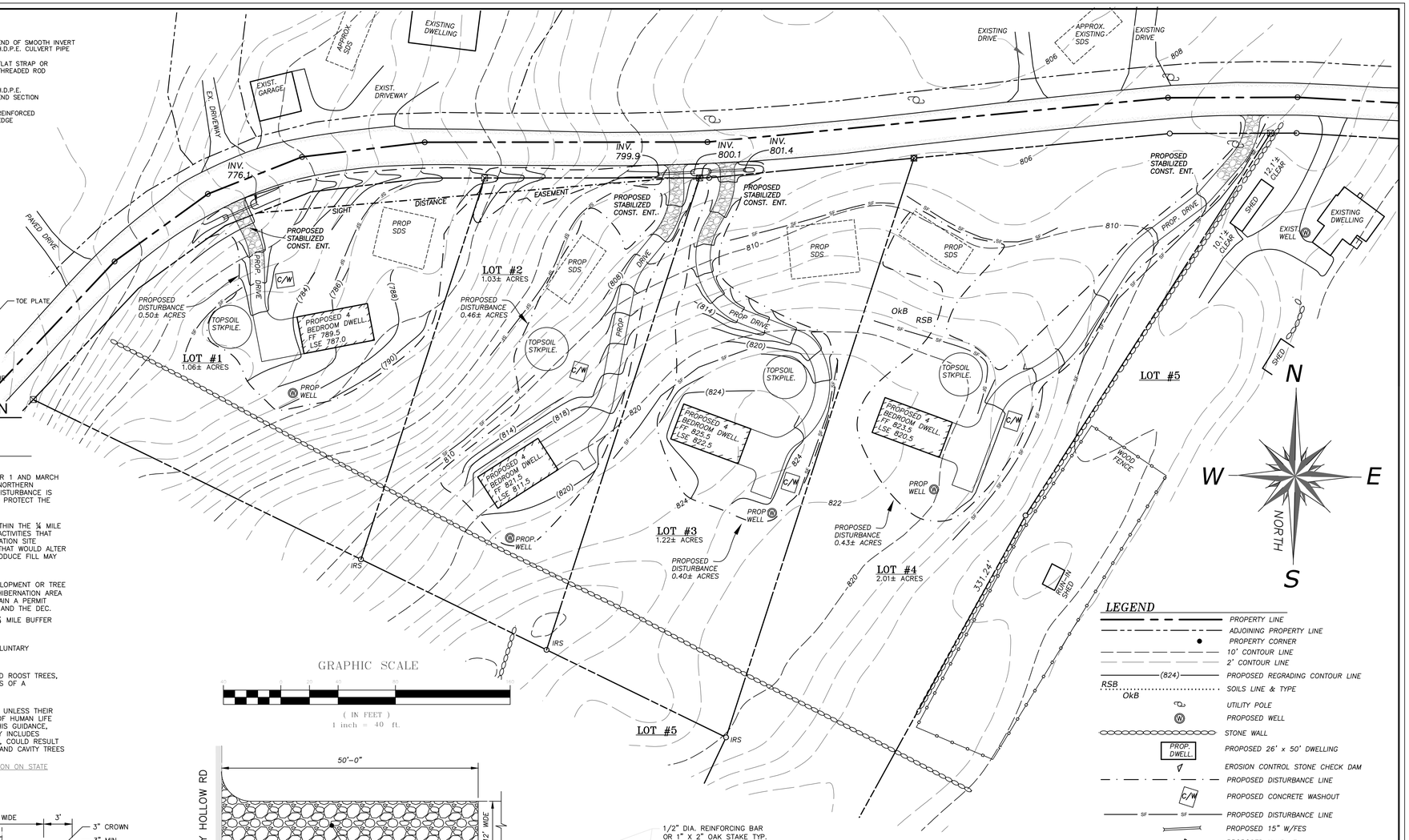
SECTION VIEW



PLAN VIEW

DRIVEWAY ENTRANCE DETAIL

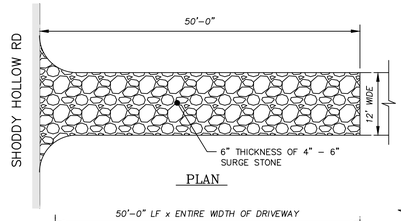
(NOT TO SCALE)



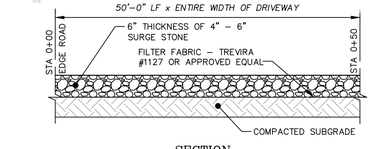
GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

SHODDY HOLLOW RD



PLAN



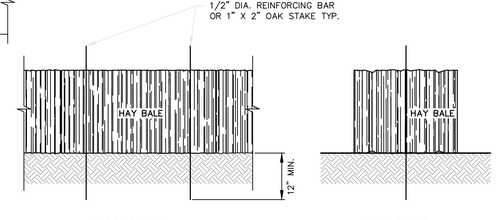
SECTION

NOTES:

1. ENTRANCE SHALL BE MAINTAINED AS CONDITIONS DEMAND TO PREVENT TRACKING OF SEDIMENT INTO PUBLIC RIGHTS OF WAY.
2. ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS.
3. A CRUSHED STONE, VEHICLE WHEEL CLEANING BLANKET WILL BE INSTALLED WHENEVER A CONSTRUCTION ACCESS ROAD INTERSECTS ANY PAVED ROADWAY. SAID BLANKET WILL BE COMPOSED OF 6" DEPTH OF 4"–6" SURGE STONE, WILL BE AT LEAST 12' X 50' AND SHOULD BE PLACED ON COMPACTED SUBGRADE.
4. ALL DRIVEWAYS MUST BE STABILIZED WITH 1"–1 1/2" CRUSHED STONE OR SUBBASE DURING CONSTRUCTION.
5. PAVED ROADWAYS MUST BE KEPT CLEAN AT ALL TIMES.
6. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE DISCHARGE POINTS BECOME OPERATIONAL.

STABILIZED CONSTRUCTION ENTRANCE DETAIL

(NOT TO SCALE)



SIDE VIEW END VIEW

EROSION CONTROL NOTES:

1. TEMPORARY DIVERSION AND SEDIMENT BASINS SHALL BE CONSTRUCTED DOWN SLOPE FROM THE PROPOSED CONSTRUCTION IN THE STEEPER SECTIONS. THESE SEDIMENT BASINS SHALL BE MAINTAINED AS REQUIRED.
2. TEMPORARY COVER OF RYE GRASS OR MULCH TO BE PROVIDED FOR ALL DISTURBED AREAS WHEN LEFT BARE FOR MORE THAN 30 DAYS.
3. CONTRACTOR SHALL SEED AND MULCH AS FOLLOWS:

   RATE OF MULCHING– 100 POUNDS OF HAY OR STRAW PER 1000 S.F.
   RATE OF SEEDING– 1 POUND OF RYE GRASS PER 1000 S.F.
4. TOPSOIL TO BE REPLACED TO ORIGINAL DEPTH OF NO LESS THAN 4".
5. TOPSOIL OBTAINED DURING STRIPPING WHILE REGRADING WILL BE STOCKPILED SO THAT IT MAY BE USED IN LATER SEEDING.
6. TRANSITIONAL GRADING FROM CUT TO FILL, FLATTENING SLOPES WHEREVER POSSIBLE AND ADEQUATE ROUNDING AT TOP OF CUT AND TOE OF FILL WILL REDUCE SURFACE EROSION AND PROMOTE THE ESTABLISHMENT OF AN EROSION–PROOF VEGETATIVE CROP.
7. HAY BALES SHALL BE PLACED AT THE BOTTOM OF CUT AND FILL SLOPES OT PREVENT SILTATION ON LANDS OF OTHERS AND IN DRAINAGE WAYS, AND SHALL BE MAINTAINED UNTIL VEGETATION IS ESTABLISHED.

EROSION CONTROL DETAIL

(NOT TO SCALE)

LEGEND

- PROPERTY LINE
- ADJOINING PROPERTY LINE
- PROPERTY CORNER
- 10' CONTOUR LINE
- 2' CONTOUR LINE
- (824) PROPOSED REGRADING CONTOUR LINE
- RSB / OkB SOILS LINE & TYPE
- UTILITY POLE
- (W) PROPOSED WELL
- STONE WALL
- PROP. DWELL. PROPOSED 26' x 50' DWELLING
- EROSION CONTROL STONE CHECK DAM
- PROPOSED DISTURBANCE LINE
- C/W PROPOSED CONCRETE WASHOUT
- SF SF PROPOSED DISTURBANCE LINE
- PROPOSED 15" W/FES
- PROPOSED HAYBALE
- CONC. MON. TO BE SET
- IRS IRON PIN TO BE SET

TOTAL AREA OF DISTURBANCE = 1.80± ACRES
OF THIS 0.41± ACRES IS IMPERVIOUS

THESE PLANS ARE INCOMPLETE/INVALID UNLESS THEY CONTAIN THE ENGINEER'S SIGNATURE AND SEAL WHERE APPLICABLE AND SHEETS 1 THROUGH 8 OF 8.

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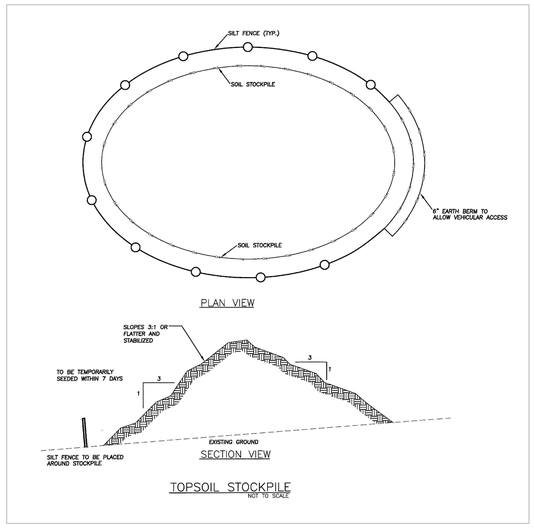
SDB	12/27/24	REVISED FOR COMMENTS
SDB	10/28/24	PRELIMINARY PLAN
SYMB	DATE	ISSUED FOR

FUSCO ENGINEERING & LAND SURVEYING, D. P.C.
CONSULTING ENGINEERS
233 EAST MAIN ST.
MIDDLETOWN, NY 10940
PHONE: (845) 344-5863
FAX (845) 956-5865

SEAL: LICENSED PROFESSIONAL ENGINEER ANTHONY A. FUSCO, JR. REG. NO. 054404 STATE OF NEW YORK

DRAWING TITLE:
GRADING EROSION CONTROL & STORMWATER POLLUTION PREVENTION PLAN
SUBDIVISION OF PROPERTY FOR CHARKIN
TOWN OF MOUNT HOPE — STATE OF NEW YORK — COUNTY OF ORANGE

PREPARED FOR:	APPROVED BY: AAF	SCALE: AS SHOWN	REFERENCE NUMBER: 24–101
JULIET CHARKIN	DESIGNED BY: EJ	REVISION DATE: 3/28/25	SHEET NUMBER: 7
	DRAWN BY: SDB	DATE: 7/1/24	PAGE 7 OF 8



EROSION CONTROL NOTES:

1. ALL AREAS DISTURBED BY SITE GRADING THAT WILL NOT BE CONSTRUCTED UPON FOR 30 DAYS SHALL BE ESTABLISHED WITH TEMPORARY VEGETATION.

2. ALL UNVEGETATED OR DISTURBED AREAS, ON SLOPES 5% OR GREATER, SHALL BE PROTECTED FROM EROSION BY PLACING TEMPORARY SEEDING OF FAST GERMINATING RYE AT A RATE OF 10 TO 15 POUNDS PER 1,000 S.F.

3. PRIOR TO COMMENCEMENT OF GRADING FOR BUILDING CONSTRUCTION, THE "LIMIT OF DISTURBANCE" SHALL BE DELINEATED IN ACCORDANCE WITH THE APPROVED PLAN UTILIZING TEMPORARY SILT FENCING. FENCING SHALL BE MAINTAINED IN GOOD ORDER UNTIL ALL EXPOSED SOILS ARE STABILIZED THROUGH ESTABLISHMENT OF HEAVY VEGETATIVE COVER.

4. GRADED AREAS ARE TO BE PROTECTED BY PROVIDING TEMPORARY INTERCEPTING DRAINAGE SWALES AT 1% MINIMUM SLOPE AND AS REQUIRED TO DIRECT RUNOFF AWAY FROM DOWNSTREAM CONSTRUCTION. DISCHARGE AREA SHALL BE PROTECTED WITH SEDIMENTATION CONTROL BARRIERS.

5. ALL AREAS OF SOIL DISTURBANCE RESULTING FROM THIS PROJECT SHALL BE SEEDED WITH AN APPROPRIATE PERENNIAL GRASS SEED AND MULCHED WITH HAY OR STRAW WITHIN ONE WEEK OF FINAL GRADING. MULCH SHALL BE MAINTAINED UNTIL A SUITABLE VEGETATIVE COVER IS ESTABLISHED.

6. IF SEEDING IS IMPRACTICABLE DUE TO THE TIME OF YEAR, A TEMPORARY MULCH SHALL BE APPLIED AND FINAL SEEDING SHALL BE PERFORMED AT THE EARLIEST OPPORTUNITY WHEN WEATHER CONDITIONS, GERMINATION AND GROWTH ALLOW BUT NOT MORE THAN SIX MONTHS AFTER PROJECT COMPLETION.

7. ALL SILT FENCES WILL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. REQUIRED REPAIRS WILL BE PERFORMED IMMEDIATELY. SHOULD THE SILT FENCE BECOME INEFFECTIVE PRIOR TO THE END OF ITS EXPECTED USABLE LIFE, IT WILL BE REPLACED PROMPTLY. SEDIMENT DEPOSITS SHALL BE REMOVED AFTER EACH STORM EVENT BUT UNDER NO CIRCUMSTANCES SHOULD THE SEDIMENT DEPOSITS EXCEED ONE HALF THE HEIGHT OF THE BARRIERS. ALL SILT FENCES WILL BE MAINTAINED UNTIL ALL UPSLOPE SOILS ARE PERMANENTLY STABILIZED BY VEGETATION.

8. PERMANENT SEEDING REQUIREMENTS: MIXTURE OF PERENNIAL RYE, KENTUCKY BLUE AND

   * RED FESCUE GRASSES (EQUAL PORTIONS) AT 20 TO 25 POUNDS PER 1,000 SQUARE FEET. STRAW MULCHING AT 5 POUNDS PER 1,000 SQ. FT.

   * FERTILIZER (5–10–5) AT 5 POUNDS PER 1,000 SQ. FT.

   * INSTALL EROSION CONTROL NETTING ON ALL GRADES 10% OR GREATER.

   * PROVIDE PERIODIC WATERING OF THE NEWLY SEEDED AREAS UNTIL GRASS IS MOWABLE.

   * RESEED ANY WASHED OUT AREAS AS REQUIRED AND UNTIL ALL DISTURBED AREAS HAVE A SATISFACTORY STAND OF GRASS.

811 Know what's below. Call before you dig.

STANDARD AND SPECIFICATIONS FOR CONCRETE TRUCK WASHOUT

Definition & Scope

A temporary excavated or above ground lined constructed pit where concrete truck mixers and equipment can be washed after their loads have been discharged, to prevent highly alkaline runoff from entering storm drainage systems or leaching into soil.

Conditions Where Practice Applies

Washout facilities shall be provided for every project where concrete will be poured or otherwise formed on the site. This facility will receive highly alkaline wash water from the cleaning of chutes, mixers, hoppers, vibrators, placing equipment, trowels, and screeds. Under no circumstances will wash water from these operations be allowed to infiltrate into the soil or enter surface waters.

Design Criteria

Capacity: The washout facility should be sized to contain solids, wash water, and rainfall and sized to allow for the evaporation of the wash water and rainfall. Wash water shall be estimated at 7 gallons per chute and 50 gallons per hopper of the concrete pump truck and/or discharging drum. The minimum size shall be 8 feet by 8 feet at the bottom and 2 feet deep. If excavated, the side slopes shall be 2 horizontal to 1 vertical.

Location: Locate the facility a minimum of 100 feet from drainage swales, storm drain inlets, wetlands, streams and other surface waters. Prevent surface water from entering the structure except for the access road. Provide appropriate access with a gravel access road sloped down to the structure. Signs shall be placed to direct drivers to the facility after their load is discharged.

Liner: All washout facilities will be lined to prevent leaching of liquids into the ground. The liner shall be plastic sheeting with a minimum thickness of 10 mils with no holes or tears, and anchored beyond the top of the pit with an earthen berm, sand bags, stone, or other structural appurtenance except at the access point.

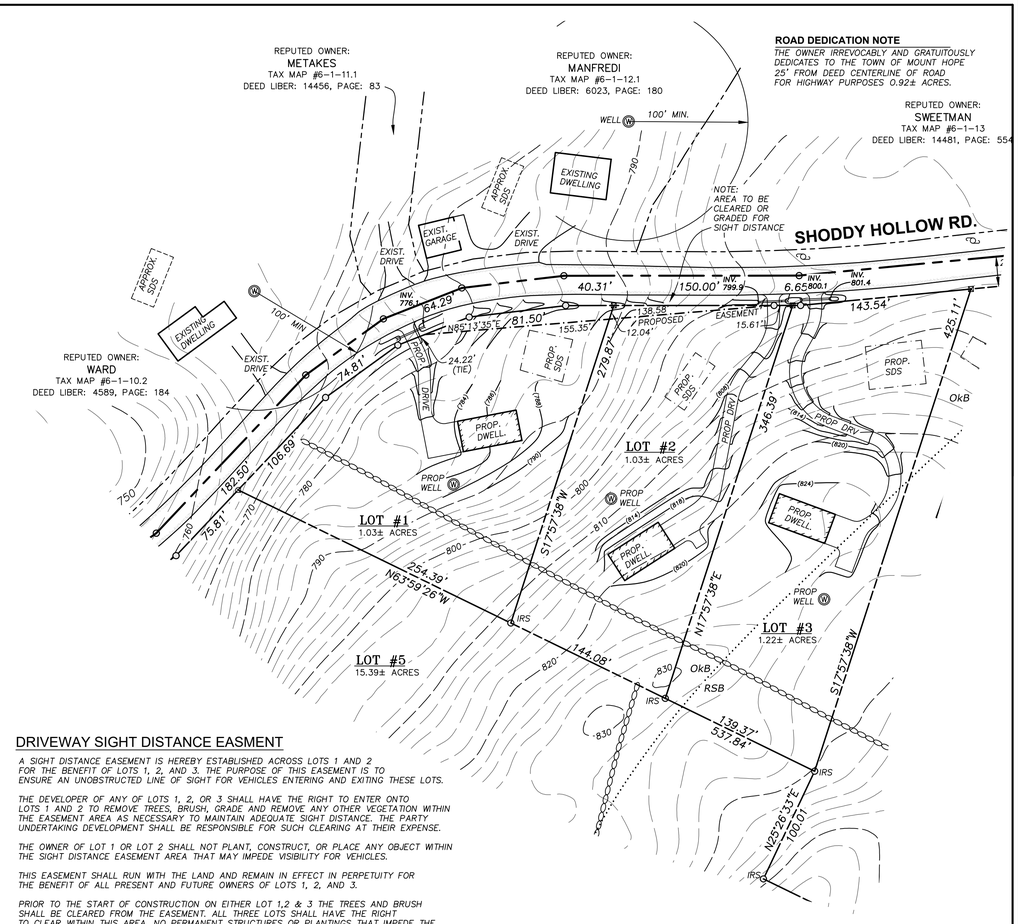
If pre-fabricated washouts are used they must ensure the capture and containment of the concrete wash and be sized based on the expected frequency of concrete pours. They shall be sited as noted in the location criteria.

Maintenance

- All concrete washout facilities shall be inspected daily. Damaged or leaking facilities shall be deactivated and repaired or replaced immediately. Excess rainwater that has accumulated over hardened concrete should be pumped to a stabilized area, such as a grass filter strip.
- Accumulated hardened material shall be removed when 75% of the storage capacity of the structure is filled. Any excess wash water shall be pumped into a containment vessel and properly disposed of off site.
- Dispose of the hardened material off-site in a construction/demolition landfill. On-site disposal may be allowed if this has been approved and accepted as part of the projects SWPPP. In that case, the material should be recycled as specified, or buried and covered with a minimum of 2 feet of clean compacted earthfill that is permanently stabilized to prevent erosion.
- The plastic liner shall be replaced with each cleaning of the washout facility.
- Inspect the project site frequently to ensure that no concrete discharges are taking place in non-designated areas.

EROSION CONTROL SEQUENCE:

1. A PRE–CONSTRUCTION MEETING WITH TOWN REPRESENTATIVES, OWNER, ARCHITECT, ENGINEER (IF CONSTRUCTION OBSERVATION AND/OR AS–BUILTS ARE TO BE PREPARED BY ENGINEER) AND CONTRACTOR PRESENT WILL BE HELD A MINIMUM OF ONE WEEK PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL SECURE ALL APPROVALS AND PERMITS.
3. DELINEATE THE LIMITS OF DISTURBANCE. TREES TO BE SAVED SHALL BE PROTECTED WITH PERIMETER SNOW FENCE.
4. INSTALL SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE.
5. STABILIZE DISTURBED AREAS WITH TEMPORARY SEEDING PROTECTION MEASURES PER EROSION CONTROL PLAN. INSTALL TEMPORARY DIVERSION SWALES AND STONE CHECK DAMS PER EROSION CONTROL PLAN. STABILIZE DIVERSION SWALES AS SPECIFIED.
6. PERFORM CLEARING AND GRUBBING ACTIVITIES AS REQUIRED FOR CONSTRUCTION OF DRIVEWAYS, SEPTIC AREAS AND HOME SITES. SITE DISTURBANCE SHALL NOT EXCEED BEYOND THE DISTURBANCE LIMIT LINE DEPICTED ON THE SUBDIVISION PLAN.
7. STRIP AND STOCKPILE TOPSOIL, STABILIZE WITH RYEGRASS SEED AND ADD PERIMETER SILT FENCING.
8. COMPLETE ROUGH GRADING OF DRIVEWAYS ENTRANCE AND PROVIDE STABILIZED CONSTRUCTION ENTRANCES.
9. COMPLETE PROPOSED STORMWATER CONVEYANCE SYSTEMS, CONSISTING OF SWALES AND CULVERT CROSSINGS. INSTALL RIPRAP AND CHANNEL PROTECTION AS APPROPRIATE.
11. COMPLETE FINE GRADING OF DISTURBED AREAS AND RIGHT–OF–WAY EMBANKMENTS; AMEND SOILS AS REQUIRED AND SEED, STABILIZE WITH MULCH, JUTE NETTING OR HYDROSEED.
12. FINE GRADE AND STABILIZE DRIVEWAYS.
13. UPON FINAL GRADING AROUND HOME SITES AND SEPTIC DISPOSAL AND ESTABLISHMENT OF VEGETATIVE SLOPE STABILIZATION, REMOVE EROSION CONTROL MEASURES BEGINNING AT THE MOST UPSTREAM POINTS THEN WORKING DOWNSTREAM.
16. PERFORM ANY FINE GRADING AND SEEDING AS REQUIRED, MAINTAIN AND REPAIR WASHOUTS AS REQUIRED AND AFTER EACH STORM EVENT UNTIL ALL EROSION CONTROL AND WATER QUALITY MEASURES ARE FULLY ESTABLISHED.
17. ALL EROSION AND SEDIMENT CONTROLS ARE TO BE FLUSHED CLEAN OF ALL SILT AND SEDIMENT AFTER THE SITE IS COMPLETE AND ALL CONSTRUCTION DISTURBANCE HAS BEEN STABILIZED. REMOVE ALL SILT FROM PERMANENT STORMWATER CONTROL STRUCTURES.
18. REMOVE ALL ACCUMULATED SEDIMENT AND DISPOSE OF IN A MANNER CONSISTENT WITH ALL APPLICABLE LAWS AND REGULATIONS.
1. AFTER ALL DISTURBED AREAS ARE STABILIZED, SILT FENCE MAY BE REMOVED.
20. ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED AS MAY BE REQUIRED AND REQUESTED BY AUTHORITIES, THE OWNER, OR THE ENGINEER TO REDUCE THE POTENTIAL FOR DISCHARGE OF SILT LADEN RUNOFF FROM THE PROJECT SITE.
21. CONTRACTOR SHALL PROVIDE SURPLUS HAY MULCH ON–SITE AND APPLY AS NEEDED TO TEMPORARILY STABILIZE DISTURBED AREAS.
22. THE GENERAL PERMIT FOR STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES STATES THAT IT IS UNLAWFUL FOR ANY PERSON TO CAUSE OR CONTRIBUTE TO A VIOLATION OF WATER QUALITY STANDARDS.
23. ALL NON–ACTIVE DISTURBED AREAS SHALL RECEIVE TEMPORARY OR PERMANENT STABILIZATION. NON–ACTIVE DISTURBED AREAS SHALL NOT REMAIN FALLOW FOR LONGER THAN 14 DAYS WITHOUT BEING STABILIZED.
24. ANY BORROW OR WASTE PITS LOCATED ON SITE OR OFF–SITE MUST BE STABILIZED AND MAINTAINED PER THE REQUIREMENT OF THE GENERAL CONSTRUCTION PERMIT AND THE SWPPP FOR THIS PROJECT.



DRIVEWAY SIGHT DISTANCE EASEMENT

A SIGHT DISTANCE EASEMENT IS HEREBY ESTABLISHED ACROSS LOTS 1 AND 2 FOR THE BENEFIT OF LOTS 1, 2, AND 3. THE PURPOSE OF THIS EASEMENT IS TO ENSURE AN UNOBSTRUCTED LINE OF SIGHT FOR VEHICLES ENTERING AND EXITING THESE LOTS.

THE DEVELOPER OF ANY OF LOTS 1, 2, OR 3 SHALL HAVE THE RIGHT TO ENTER ONTO LOTS 1 AND 2 TO REMOVE TREES, BRUSH, GRADE AND REMOVE ANY OTHER VEGETATION WITHIN THE EASEMENT AREA AS NECESSARY TO MAINTAIN ADEQUATE SIGHT DISTANCE. THE PARTY UNDERTAKING DEVELOPMENT SHALL BE RESPONSIBLE FOR SUCH CLEARING AT THEIR EXPENSE.

THE OWNER OF LOT 1 OR LOT 2 SHALL NOT PLANT, CONSTRUCT, OR PLACE ANY OBJECT WITHIN THE SIGHT DISTANCE EASEMENT AREA THAT MAY IMPEDE VISIBILITY FOR VEHICLES.

THIS EASEMENT SHALL RUN WITH THE LAND AND REMAIN IN EFFECT IN PERPETUITY FOR THE BENEFIT OF ALL PRESENT AND FUTURE OWNERS OF LOTS 1, 2, AND 3.

PRIOR TO THE START OF CONSTRUCTION ON EITHER LOT 1,2 & 3 THE TREES AND BRUSH SHALL BE CLEARED FROM THE EASEMENT. ALL THREE LOTS SHALL HAVE THE RIGHT TO CLEAR WITHIN THIS AREA, NO PERMANENT STRUCTURES OR PLANTINGS THAT IMPEDE THE LINE OF SIGHT SHALL BE ALLOWED IN THE EASEMENT AREA..

A DRIVEWAY PERMIT SHALL BE ACQUIRED PRIOR TO ANY WORK BEING DONE WITHIN THE EASEMENT. THE WORK SHALL BE PERFORMED TO THE SATISFACTION OF THE TOWN OF MOUNT HOPE HIGHWAY SUPERVISOR.

LEGEND

PROPERTY LINE
ADJOINING PROPERTY LINE
IRS ● IRON ROD TO BE SET
■ CONCRETE MON. TO BE SET
10' CONTOUR LINE
2' CONTOUR LINE
RSB GkB SOILS LINE & TYPE
UTILITY POLE
BUILDING SETBACK LINE
PROPOSED WELL
PROP. SDS PROPOSED SEPTIC DISPOSAL
PROP. DWELL. PROPOSED 26' x 50' DWELLING
(824) PROPOSED REGRADING CONTOUR LINE

TOTAL AREA OF DISTURBANCE = 1.80± ACRES
OF THIS 0.41± ACRES IS IMPERVIOUS

THESE PLANS ARE INCOMPLETE/INVALID UNLESS THEY CONTAIN THE ENGINEER'S SIGNATURE AND SEAL WHERE APPLICABLE AND SHEETS 1 THROUGH 8 OF 8.

SYMB	DATE	ISSUED FOR
SDB	03/28/25	MET ON SITE W/TN. ENG. DRV. ESMT.
SDB	1/30/25	REVISED FOR COMMENTS
SDB	12/27/24	REVISED FOR COMMENTS
SDB	10/28/24	PRELIMINARY PLAN

FUSCO ENGINEERING & LAND SURVEYING, D. P.C.
CONSULTING ENGINEERS
233 EAST MAIN ST.
MIDDLETOWN, NY 10940
PHONE: (845) 344-5863
FAX (845) 956-5865

SEAL: LICENSED PROFESSIONAL ENGINEER ALFRED A. FUSCO, JR. NO. 056480 STATE OF NEW YORK

DRAWING TITLE: SIGHT DISTANCE EASEMENT & EROSION CONTROL NOTES

SUBDIVISION OF PROPERTY FOR CHARKIN

TOWN OF MOUNT HOPE — STATE OF NEW YORK — COUNTY OF ORANGE

PREPARED FOR: JULIET CHARKIN

APPROVED BY: AAF	SCALE: AS SHOWN	REFERENCE NUMBER: 24–101
DESIGNED BY: EJ	REVISION DATE: 3/28/25	SHEET NUMBER: 8
DRAWN BY: SDB	DATE: 7/1/24	PAGE 8 OF 8

811 Know what's below. Call before you dig.