EARTH EXCAVATION PLANS

484 AND 486 QUADDICK TOWN FARM ROAD

THOMPSON, CONNECTICUT

MAY 12, 2020

REVISED THROUGH JUNE 1, 2020

PREPARED FOR
J & J CONSTRUCTION
PO BOX 848
NORTH GROSVENORDALE, CT 06255

LOCATION MAP

1" = 2000'

INDEX OF DRAWINGS

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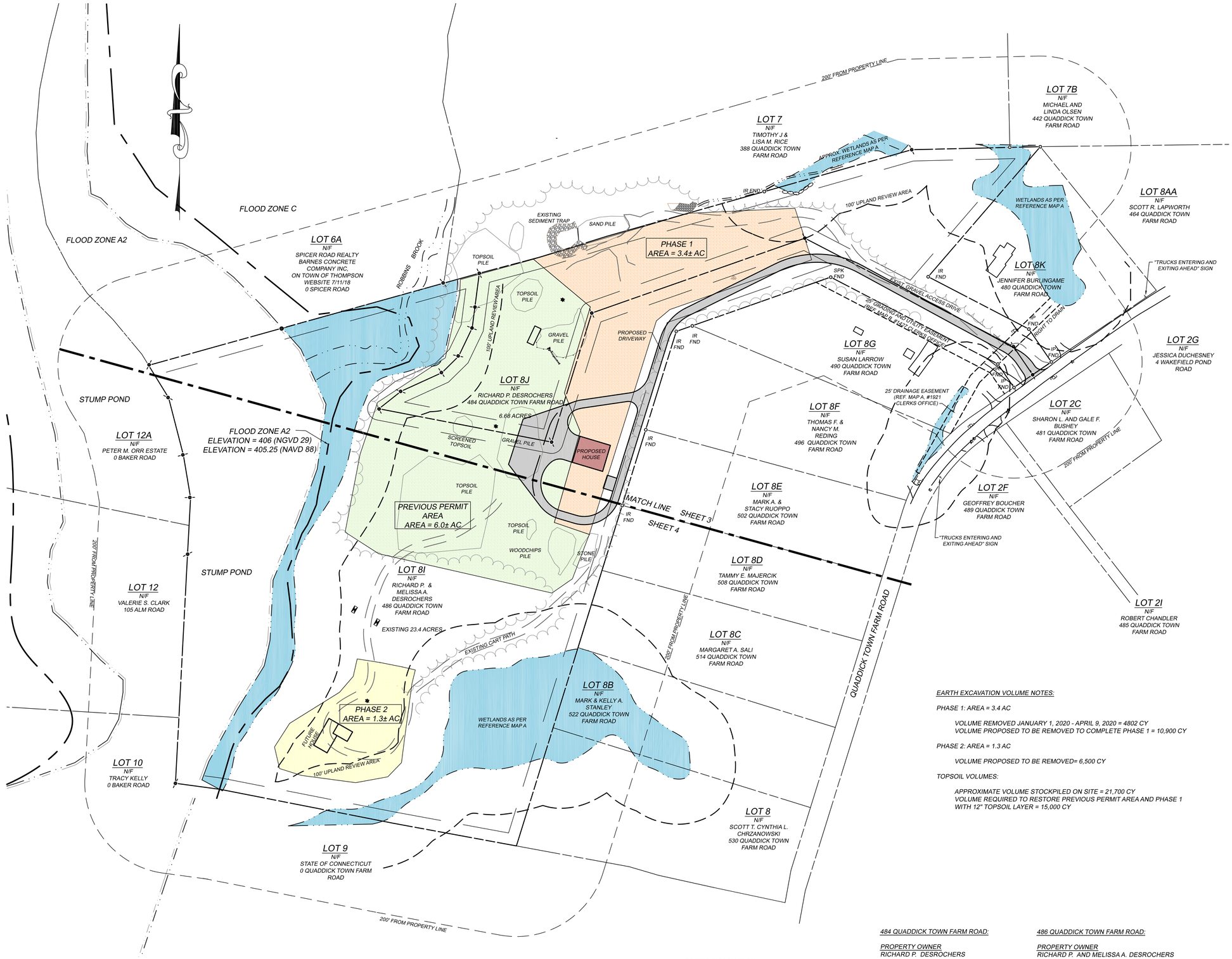
SPECIAL PERMIT APPROVAL BY THE THOMPSON, CONNECTICUT PLANNING AND ZONING COMMISSION

CHAIRMAN *DATE*

J & D CIVIL ENGINEERS, LLC
401 RAVENELLE ROAD
THOMPSON, CT 06255
PHONE: 860-923-2920
JDCIVILENGINEERS.COM

19191



NOTES

1. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARD FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT " AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

SURVEY TYPE: GENERAL LOCATION

BOUNDARY DETERMINATION CATEGORY: NONE

HORIZONTAL ACCURACY: CLASS D

PROPERTY LINES DO NOT EXPRESS A BOUNDARY OPINION.

THIS MAP WAS PREPARED FROM RECORD RESEARCH, OTHER MAPS, LIMITED FIELD MEASUREMENTS AND OTHER SOURCES. IT IS NOT TO BE CONSTRUED AS A PROPERTY/BOUNDARY OR LIMITED PROPERTY/BOUNDARY SURVEY AND IS SUBJECT TO SUCH FACTS AS SAID SURVEYS MAY DISCLOSE.

2. REFERENCE PLANS:
(A) "QUADDICK FARM ESTATES" PREPARED BY LUNAR MAPPING LTD. PREPARED FOR MARK BARD. SCALE 1" = 100'. DATED MARCH 1995. ON FILE WITH THE TOWN CLERK AS INSTRUMENT NUMBER 1291.

(B) "COMPLIATION PLAN SHOWING PROPERTY LINE ADJUSTMENTS" PREPARED BY J&D CIVIL ENGINEERS. SCALE 1" = 80'. DATED FEBRUARY 2002. ON FILE WITH THE TOWN CLERK AS INSTRUMENT NUMBER 1427.

(C) "BOUNDARY LINE ADJUSTMENT PLAN" PREPARED BY MESSIER & ASSOCIATES, INC. PREPARED FOR DAVID WHALSTROM AND RICK DESROCHERS. SCALE 1" = 40'. DATED AUGUST 2006. ON FILE WITH THE TOWN CLERK AS INSTRUMENT NUMBER 1547.

(D) "PROPERTY LINE ADJUSTMENT PLAN". PREPARED BY J&D CIVIL ENGINEERS, LLC. PREPARED FOR RICHARD. P. DESROCHERS. DATED SEPTEMBER 24, 2018. SCALE 1" = 100'. ON FILE WITH THE TOWN CLERK AS INSTRUMENT NUMBER 1780.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON .

DENNIS R. BLANCHETTE	DATE	12107 LICENSE NUMBER

THIS MAP IS NOT VALID WITHOUT A LIVE SIGNATURE

PROPERTY IS WITHIN 100 YEAR FLOOD ZONE PER FIRM MAP 0901170010B DATED: NOVEMBER 1, 1984.

EARTH EXCAVATION VOLUME NOTES:

PHASE 1: AREA = 3.4 AC

VOLUME REMOVED JANUARY 1, 2020 - APRIL 9, 2020 = 4802 CY
VOLUME PROPOSED TO BE REMOVED TO COMPLETE PHASE 1 = 10,900 CY

PHASE 2: AREA = 1.3 AC

VOLUME PROPOSED TO BE REMOVED= 6,500 CY

TOPSOIL VOLUMES:

APPROXIMATE VOLUME STOCKPILED ON SITE = 21,700 CY
VOLUME REQUIRED TO RESTORE PREVIOUS PERMIT AREA AND PHASE 1 WITH 12" TOPSOIL LAYER = 15,000 CY

LEGEND

- ANGLE POINT
- EXISTING IRON ROD OR IRON PIPE
- EXISTING PROPERTY LINE
- BUILDING SETBACK
- EDGE OF EASEMENT
- STONE RETAINING WALL
- UTILITIES
- TREELINE
- WETLAND BUFFER/UPLAND REVIEW AREA
- TEST PIT

ZONING INFORMATION:

ZONE RA80
MINIMUM LOT AREA 80,000 S.F.
MINIMUM FRONTAGE 150'
MINIMUM FRONT YARD 50'
MINIMUM SIDE YARD 25'
MINIMUM REAR YARD 25'

484 QUADDICK TOWN FARM ROAD:

PROPERTY OWNER
RICHARD P. DESROCHERS
PO BOX 848
N. GROSVENORDALE, CT 06255

REFERENCE DEED
THOMPSON LAND RECORDS
VOL. 350 PG. 271

ASSESSORS REFERENCE
MAP 158 BLOCK 20 LOT 8J

486 QUADDICK TOWN FARM ROAD:

PROPERTY OWNER
RICHARD P. AND MELISSA A. DESROCHERS
PO BOX 848
N. GROSVENORDALE, CT 06255

REFERENCE DEED
THOMPSON LAND RECORDS
VOL. 957 PG. 63

ASSESSORS REFERENCE
MAP 158 BLOCK 20 LOT 8I

TOWN OF THOMPSON RECEIVED FOR RECORDING	APPROVED PLANNING AND ZONING COMMISSION	APPROVED INLAND WETLANDS COMMISSION
TOWN CLERK DATE TIME MAP #	CHAIRMAN DATE	CHAIRMAN DATE

GENERAL LOCATION PLAN
PREPARED FOR
J & J CONSTRUCTION
484 AND 486 QUADDICK TOWN FARM ROAD
THOMPSON, CT

J&D CIVIL ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: DRB
CHECKED: JJB

REVISIONS:
5-20-20 ZEO COMMENTS

JOB NO: 19191
DATE: MAY 12, 2020
SCALE: 1" = 100'
SHEET: 2 OF 6

APPROX. WETLANDS AS PER REFERENCE MAP A
LOT 8J
N/F
RICHARD P. DESROCHERS
484 QUADDICK TOWN FARM ROAD
6.68 ACRES
WETLANDS AS PER REFERENCE MAP A
DRAINAGE SWALE
STONE TAILINGS SWALE
8'± HIGH STONE RET. WALL
100' UPLAND REVIEW AREA
EXISTING SEDIMENT TRAP
SAND PILE
TAILINGS
EXISTING GRAVEL DRIVEWAY
PHASE 1 ACTIVE EXCAVATION AREA
TOPSOIL STOCKPILE A
REMOVE STOCKPILE SPREAD ON SITE AND ESTABLISH TURF
TOPSOIL PILE B
PROPOSED SEDIMENT TRAP
STANDPIPE #1
PREVIOUS PERMIT AREA
STOCKPILE
GROUND ASPHALT PILE
BIT. CONC. PAD FOR ONSITE REFUELING OF EXCAVATION EQUIPMENT
JOLLEY BLOCK RET. WALL
FLOOD ZONE A-2
ELEVATION = 406 (NGVD)
ELEVATION = 405.25 (NAVD 88)
ROBBINS BROOK
STUMP POND
WSEL (NAVD 88)= 402.9
APRIL 22, 2020
PREVIOUS PERMIT AREA TO BE RESTORED WITH TURF ESTABLISHMENT
100' UPLAND REVIEW AREA
PROPOSED RESERVE
PROPOSED SEPTIC
4H:1V SLOPE
GRASS DRAINAGE SWALE W/ EROSION CONTROL BLANKET
MODIFIED RIPRAP APRON
40' - 12" CPP CULVERT
PC3+77.60
2H:1V SLOPE
PROPOSED 18' GRAVEL DRIVEWAY 10% MAX SLOPE
GRASS DRAINAGE SWALES W/ EROSION CONTROL BLANKET
25' GRADING AND UTILITY EASEMENT (REF. MAP B, #1427 CLERKS OFFICE)
APPROX BLDG
APPROX HOUSE
CL&P 2450.5
CL&P 2450
EXIST. DRIVE
QUADDICK TOWN FARM ROAD
MB
CL&P 2512
CL&P 2513
TP 2
TP 1
STANDPIPE #2
SCREENED TOPSOIL C
GRAVEL PILE
PROPOSED PARKING AREA
PROPOSED HOUSE
FF EL = 426.0±
BF EL = 412.0±
PROPOSED WELL
LOT 8I
N/F
RICHARD P. & MELISSA A. DESROCHERS
MATCH LINE SHEET 3
SHEET 4

LEGEND

- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE (246)
- EDGE OF WETLANDS
- WETLAND BUFFER/UPLAND REVIEW AREA
- EROSION CONTROL DEVICES
- TEST PIT
- EXISTING PROPERTY LINE
- ABUTTER PROPERTY LINE
- BUILDING SETBACK
- EDGE OF EASEMENT
- STONE WALL
- UTILITIES
- TREELINE

TOWN OF THOMPSON
RECEIVED FOR RECORDING

TOWN CLERK	DATE	TIME	MAP #

GRADING AND EROSION CONTROL PLAN

PREPARED FOR

J & J CONSTRUCTION

484 AND 486 QUADDICK TOWN FARM ROAD
THOMPSON, CT

J&D CIVIL ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: DRB CHECKED: JJB	REVISIONS: 5-20-20, 6-1-20 STAFF COMMENTS
JOB NO: 19191	DATE: MAY 12, 2020
SCALE: 1" = 50'	SHEET: 3 OF 6

STUMP POND
WSEL (NAVD 88)= 402.9
APRIL 22, 2020

FLOOD ZONE A-2
ELEVATION = 406 (NGVD)
ELEVATION = 405.25
(NAVD 88)

MATCH LINE SHEET 3
SHEET 4

PREVIOUS PERMIT AREA TO BE RESTORED WITH TURF ESTABLISHMENT

100' UPLAND REVIEW AREA

GRAVEL PILE

SCREENED TOPSOIL

STANDPIPE #2

TP 1

TP 2

PROPOSED RESERVE

PROPOSED SEPTIC

GRASS DRAINAGE SWALE
W/ EROSION CONTROL BLANKET

PROPOSED HOUSE
FF EL = 426.0±
BF EL = 412.0±

PROPOSED PARKING AREA

PROPOSED WELL

LOT 8I
N/F
RICHARD P. & MELISSA A. DESROCHERS
486 QUADDICK TOWN FARM ROAD
23.4 ACRES

TP21

TP38

TP22

TP39

TOPSOIL STOCKPILE D

PREVIOUS PERMIT AREA

3H:1V SLOPE

EXIST. CART PATH

TOPSOIL PILE

WOODCHIPS PILE

STONE PILE

PREVIOUS PERMIT AREA TO BE RESTORED WITH TURF ESTABLISHMENT

3H:1V SLOPE

UPGRADE CART PATH TO A 12' PROCESSED GRAVEL DRIVEWAY FOR PERMANENT USE

TP24

TP40

100' UPLAND REVIEW AREA

EXIST. CART PATH

STUMP POND
WSEL (NAVD 88)= 402.9
APRIL 22, 2020

WETLANDS AS PER REFERENCE MAP A

PROPOSED CLEARING LIMITS & LIMITS OF DISTURBANCE

PROPOSED SEDIMENT TRAP

EROSION CONTROL DEVICES

STANDPIPE #3

FUTURE SEPTIC

FUTURE RESERVE

3H:1V SLOPE

FUTURE HOUSE

PHASE 2

FUTURE WELL

100' UPLAND REVIEW AREA

EROSION CONTROL DEVICES

WETLANDS AS PER REFERENCE MAP A

PROPOSED CLEARING LIMITS & LIMITS OF DISTURBANCE

LEGEND

- EXISTING CONTOUR LINE
- 248 PROPOSED CONTOUR LINE
- EDGE OF WETLANDS
- WETLAND BUFFER/UPLAND REVIEW AREA
- EROSION CONTROL DEVICES
- TEST PIT
- EXISTING PROPERTY LINE
- ABUTTER PROPERTY LINE
- BUILDING SETBACK
- EDGE OF EASEMENT
- STONE WALL
- UTILITIES
- TREELINE

GRADING AND EROSION CONTROL PLAN

PREPARED FOR

J & J CONSTRUCTION

484 AND 486 QUADDICK TOWN FARM ROAD
THOMPSON, CT

J&D CIVIL ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: DRB CHECKED: JJB	REVISIONS: 6-1-20 STAFF COMMENTS
JOB NO: 19191	DATE: MAY 12, 2020
SCALE: 1" = 50'	SHEET: 4 OF 6

TOWN OF THOMPSON
RECEIVED FOR RECORDING

TOWN CLERK DATE TIME MAP #

TEST PIT RESULTS

OBSERVED BY: MAUREEN MARCOUX
DATE: JULY 13, 1995

PIT NO. 24

0 - 8"	TOP SOIL
8 - 72"	SAND AND GRAVEL

MOTTLING: N/A
RESTRICTIVE: N/A
LEDGE: N/A
WATER: N/A

PIT NO. 40

0 - 5"	TOP SOIL
5 - 20"	LOAMY SAND
20-84"	COARSE SAND

MOTTLING: N/A
RESTRICTIVE: N/A
LEDGE: N/A
WATER: N/A

GENERAL CONSTRUCTION NOTES:

1. LOCATIONS OF UNDERGROUND UTILITIES HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. THE CONTRACTOR SHALL NOTIFY CALL BEFORE YOU DIG AND FIELD VERIFY THE LOCATION, DEPTH AND ALIGNMENT OF ALL EXISTING PIPES, CABLES, ETC.
2. CONSTRUCTION SHALL BE IN CONFORMANCE WITH CONNDOT FORM 817 UNLESS OTHERWISE NOTED ON THE PLANS. UTILITY INSTALLATION SHALL BE IN CONFORMANCE WITH THE APPROPRIATE UTILITY COMPANY.
3. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION WITH EACH UTILITY AND ALL COSTS ASSOCIATED WITH THE PROTECTION OF EXISTING FACILITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN IN SERVICE ALL EXISTING PIPING UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
4. TYPICAL DETAILS SHOWN ARE TO ILLUSTRATE THE ENGINEER'S INTENT AND ARE NOT PRESENTED AS A SOLUTION TO ALL CONSTRUCTION PROBLEMS ENCOUNTERED IN THE FIELD. THE CONTRACTOR MAY SUBMIT PROPOSALS FOR ALTERNATE METHODS TO SUIT FIELD CONDITIONS.
5. BENCHMARKS HAVE BEEN PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR IN LAYING OUT THE PROJECT. THE BENCHMARKS ARE CLEARLY LABELED ON THE PLAN WITH THEIR ELEVATIONS. ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
6. THE CONTRACTOR SHALL PROTECT BENCHMARKS, PROPERTY CORNERS AND SURVEY MONUMENTS FROM DAMAGE OR DISPLACEMENT. ANY SUCH ITEMS WHICH NEED TO BE REPLACED SHALL BE AT THE CONTRACTOR'S EXPENSE.

EXCAVATION NOTES

1. PRIOR TO THE START OF EXCAVATION ANY TOPSOIL AND SUBSOIL SHALL BE STRIPPED AND STOCKPILED WITHIN OR ADJACENT TO THE RESPECTIVE PHASE FOR USE IN RESTORATION. TOPSOIL AND SUBSOIL STOCKPILES REMAINING IN PLACE LONGER THAN 30 DAYS SHALL BE PROTECTED WITH A TEMPORARY VEGETATIVE COVER OR OTHERWISE PROTECTED FROM EROSION AS PER THE 2002 "CT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL".
2. NO TOPSOIL OR SUBSOIL STRIPPED FROM THE EXCAVATION AREA SHALL BE SOLD OR REMOVED FROM THE PROPERTY.
3. NO STUMPS SHALL BE BURIED ON SITE. ALL STUMPS SHALL BE CHIPPED OR REMOVED FROM THE SITE.
4. NO BLASTING IS PERMITTED.
5. THE EXCAVATOR SHALL PROVIDE ADEQUATE DUST CONTROL ON SITE AND ON ROADS TO PREVENT ANY OFF SITE NUISANCES.
6. THE EXCAVATOR SHALL INSTALL ANY NECESSARY BARRICADES OR BARRIERS TO PROVIDE PROTECTION AROUND THE PERIMETER OF OPEN EXCAVATION FACES AND STEEP SLOPES IN ACCORDANCE WITH MSHA REGULATIONS.
7. THE NUMBER OF TRUCK TRIPS PER DAY IS VARIABLE AND IS NOT ANTICIPATED TO IMPACT LOCAL ROADS.
8. AT ALL STAGES OF THE OPERATION SUFFICIENT DRAINAGE SHALL BE PROVIDED TO AVOID HAZARDOUS CONDITIONS DUE TO COLLECTION OF STAGNATION OF WATER.
9. THERE SHALL BE NO FUEL STORED ON THE SITE.
10. THE CONSTRUCTION ENTRANCE AND ANTI-TRACKING PAD SHALL BE CLEANED REGULARLY AND RENEWED AS NEEDED.
11. WHEN EARTHWORK OPERATIONS ARE COMPLETED, THE SITE SHALL BE GRADED SO THAT SLOPES IN THE DISTURBED AREA SHALL NOT EXCEED ONE (1) FOOT VERTICAL TO THREE (3) FEET HORIZONTAL EXCEPT ALONG THE PERMANENT DRIVEWAY WHICH HAS 2H:1V SLOPES.
12. ALL LOADS LEAVING A PERMITTED GRAVEL OPERATION SITE MUST BE COVERED PRIOR TO LEAVING THE PREMISES.
13. SCREENING MAY BE ACCOMPLISHED AT A VALID EXCAVATION SITE IN A RESIDENTIAL AND/OR COMMERCIAL DISTRICT WHEN THE FOLLOWING CONDITIONS ARE MET:
    A. THE PROCESSING (SCREENING) EQUIPMENT SHALL BE PORTABLE AND SELF-CONTAINED.
    B. THE PROCESSING (SCREENING) ACTIVITY SHALL TAKE PLACE BETWEEN 7:00 AM AND 5:00 PM. NO PROCESSING SHALL BE PERMITTED ON SATURDAYS, SUNDAYS, OR HOLIDAYS.
14. HOURS OF OPERATION FOR COMMERCIAL EXCAVATION AND TRUCKING :

    MONDAY THROUGH SATURDAY 7:00 AM THROUGH 5:00 PM
    NO WORK SUNDAYS AND HOLIDAYS

RESTORATION NOTES

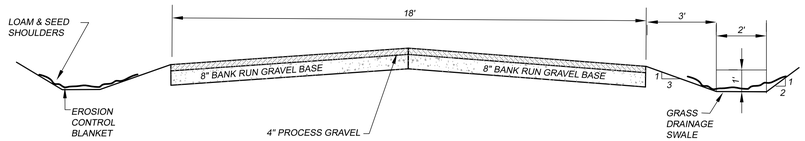
1. ALL DEBRIS NOT INCORPORATED INTO THE IMPROVEMENT OF THE LOT SHALL BE REMOVED FROM THE LOT AND LOOSE BOULDERS NOT INCORPORATED INTO THE IMPROVEMENT OF THE LOT SHALL BE BURIED OR REMOVED FROM THE LOT.
2. COMPLETED AREAS SHOULD BE COVERED WITH EIGHT (8) INCHES OF SUBSOIL AND A MINIMUM OF FOUR (4) INCHES OF LOAM TOPSOIL, DEPENDING ON THE ARID NATURE OF THE SITE AS IT IS CLOSED TO EXCAVATION.
3. THE AREA SHALL BE SEEDED AS PER THE PERMANENT SEEDING NOTES.

PERMANENT SEEDING NOTES

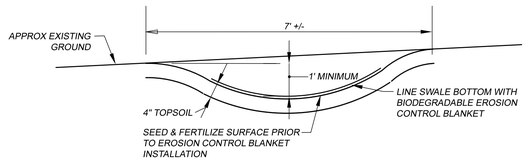
1. ALL PERMANENT VEGETATIVE COVER IS TO BE IN ACCORDANCE WITH THE 2002 GUIDELINES.
2. SEED ALL DISTURBED AREAS ONCE FINAL GRADES ARE ESTABLISHED, OR WHERE THE SUSPENSION OF WORK IS EXPECTED TO EXCEED ONE YEAR.
3. RECOMMENDED SEEDING DATES ARE APRIL 1 TO JUNE 15, AND AUGUST 15 TO OCTOBER 1.
4. GRASS SPECIES SHALL BE AS FOLLOWS FOR THE STEEP SLOPES:
   VIKING H2O HARD FESCUE 50%, AZURE BLUE SHEEP FESCUE 25%, QUATRO SHEEP FESCUE 25%
5. GRASS SPECIES SHALL BE AS FOLLOW FOR ALL OTHER AREAS:
   KENTUCKY BLUEGRASS 10%, CREEPING RED FESCUE 60%, AND PERENNIAL RYEGRASS 20%
6. INSTALL ANY NECESSARY EROSION CONTROL DEVICES.
7. INSTALL TEMPORARY EROSION CONTROL BLANKETS ON ALL SLOPES 3:1 AND STEEPER.
8. LOOSEN ANY OVER COMPACTED SUBSOIL TO A DEPTH OF 24", USING A SUBSOILER OR ROTOTILLER.
9. TOPSOIL WILL BE SPREAD AT A MINIMUM COMPACTED DEPTH OF 4 INCHES.
10. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER, OR HYDROSEEDER AT THE FOLLOWING RATES:
    4 LBS PER 1000 SQUARE FEET FOR THE STEEP SLOPES
    3 LBS PER 1000 SQUARE FEET FOR ALL OTHER AREAS
11. AFTER SEEDING, FIRM SEED BED WITH A ROLLER. MULCH IMMEDIATELY AS PER THE 2002 GUIDELINES. WATER AS NECESSARY TO ENSURE PROPER GERMINATION AND GROWTH.
12. INSPECT SEEDED AREA AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH AT LEAST 0.5 INCHES OF RAINFALL. REPAIR ANY ERODED AREAS. CONTINUE INSPECTIONS UNTIL GRASSES ARE FIRMLY ESTABLISHED

TEMPORARY SEEDING NOTES

1. ALL TEMPORARY VEGETATIVE COVER IS TO BE IN ACCORDANCE WITH THE CT 2002 E & S GUIDELINES.
2. SEED ALL DISTURBED AREAS WHERE EXCAVATION IS EXPECTED TO STOP FOR MORE THAN 30 DAYS BUT LESS THAN A YEAR. APPLY SEED, OR OTHERWISE PROTECTED FROM EROSION, WITHIN 7 DAYS OF SUSPENSION OF WORK.
3. GRASS SPECIES SHALL BE APPROPRIATE FOR THE SEASON AND SITE CONDITIONS. APPROPRIATE SPECIES ARE OUTLINED IN FIGURE TS-2 IN THE 2002 GUIDELINES.
4. INSTALL NECESSARY EROSION CONTROL MEASURES.
5. LOOSEN THE SOIL TO A DEPTH OF 3-4 INCHES. AVOID EXCESSIVE COMPACTION OF THE SURFACE BY VEHICULAR TRAVEL.
6. FERTILIZER MAY BE APPLIED AT A RATE OF 300 POUNDS PER ACRES OF 10-10-10 FERTILIZER OR EQUIVALENT. ADDITIONALLY, LIME MAY BE APPLIED AS NECESSARY IN ACCORDANCE WITH FIGURE TS-1 THE 2002 GUIDELINES.
7. APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDROSEEDER AT THE RECOMMENDED MINIMUM RATE FOR THE SELECTED SPECIES.
8. TEMPORARY SEEDINGS MADE DURING OPTIMUM SEEDING DATES SHALL BE MULCHED ACCORDING TO RECOMMENDATIONS IN THE 2002 GUIDELINES.
9. INSPECT SEEDED AREA AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH AT LEAST 0.5 INCHES OF RAINFALL. REPAIR ANY ERODED AREAS. CONTINUE INSPECTIONS UNTIL GRASSES ARE FIRMLY ESTABLISHED.



ACCESS DRIVEWAY SECTION
NOT TO SCALE



GRASS SWALE DETAIL
NOT TO SCALE

GRAVEL NOTES AND DETAILS
PREPARED FOR
J & J CONSTRUCTION
PO BOX 848
NORTH GROSVENORDALE, CT 06255

J&D CIVIL ENGINEERS, LLC
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860-923-2920

DESIGNED: DDB CHECKED: JJB	REVISIONS: 5-20-20 ZEO COMMENTS
JOB NO: 19191	DATE: MAY 12, 2020
SCALE: AS NOTED	SHEET: 5 OF 6

EROSION AND SEDIMENT CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL SHALL BE IN ACCORDANCE WITH THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL 2002."
2. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH THIS EROSION CONTROL PLAN.
3. THE GOAL OF EROSION CONTROL ON THIS PROJECT SHALL BE ENSURING THAT NO ERODED SEDIMENT TRAVELS BEYOND THE CLEARING LIMITS OR INTO THE ADJACENT POND OR WETLANDS.
4. IF CONDITIONS WARRANT IT, THE EXCAVATOR SHALL INSTALL ADDITIONAL EROSION CONTROL DEVICES BEYOND WHAT IS INDICATED ON THE PLAN TO MEET THE GOALS OF EROSION CONTROL.
5. THE EXCAVATOR SHALL INSTALL EROSION CONTROL MEASURES CONSISTING OF SILT FENCE, SILT SOCK, HAY BALES, WOOD CHIPS, OR CRUSHED STONE CHECK DAMS AND SEDIMENT TRAPS WHERE INDICATED ON THE PLANS PRIOR TO THE START OF GRAVEL EXCAVATION.
6. THE EXCAVATOR SHALL CONTACT THE THOMPSON INLAND WETLANDS AGENT FOR INSPECTION OF EROSION CONTROL DEVICES PRIOR TO EXCAVATION. EROSION CONTROL DEVICES SHALL BE INSPECTED WEEKLY AND AFTER EVERY RAINFALL GREATER THAN 1" AND REPLACED PROMPTLY IF NEEDED.
7. E & S DEVICES WILL REMAIN IN PLACE UNTIL PERMANENT VEGETATION IS ESTABLISHED.
8. SEDIMENT TRAPS SHALL BE INSTALLED AS RECOMMENDED IN THE 2002 CT E&S GUIDELINES. EACH PHASE SHALL HAVE A SEDIMENT TRAP INSTALLED. THE SIZE IS BASED UPON CONTAINING 134 CY PER ACRE OF DRAINAGE AREA, HALF OF WHICH SHALL BE WET STORAGE. THE DRAINAGE AREA TO THE TRAP SHOWN ON THIS PLAN IS APPROXIMATELY 5 ACRES THEREFORE THE DEPTH D = 5', WIDTH W = 40', LENGTH L = 100'.
9. IF ANY ERODED RILLS OR GULLIES ARE OBSERVED THAT ARE DIRECTING SEDIMENT TO AN AREA NOT INTERCEPTED BY A SEDIMENT TRAP,THE EXCAVATOR SHALL MAKE USE OF SILT SOCK AND STONE CHECK DAMS TO FILTER RUNOFF.

MINIMIZE DISTURBED AREAS

1. KEEP LAND DISTURBANCE TO A MINIMUM - THE MORE LAND THAT IS IN VEGETATIVE COVER, THE MORE SURFACE WATER WILL INFILTRATE INTO THE SOIL, THUS MINIMIZING STORMWATER RUNOFF AND POTENTIAL EROSION. KEEPING LAND DISTURBANCE TO A MINIMUM NOT ONLY INVOLVES MINIMIZING THE EXTENT OF EXPOSURE AT AN ONE TIME, BUT ALSO THE DURATION OF EXPOSURE.
2. PHASE CONSTRUCTION SO THAT AREAS WHICH ARE ACTIVELY BEING DEVELOPED AT ANY ONE TIME ARE MINIMIZED AND ONLY THAT AREA UNDER CONSTRUCTION IS EXPOSED. CLEAR ONLY THOSE AREAS ESSENTIAL FOR CONSTRUCTION.
3. SEQUENCE THE CONSTRUCTION OF STORM DRAINAGE SYSTEMS SO THAT THEY ARE OPERATIONAL AS SOON AS POSSIBLE DURING CONSTRUCTION. ENSURE ALL OUTLETS ARE STABLE BEFORE OUTLETTING STORM DRAINAGE FLOW INTO THEM.
4. SCHEDULE CONSTRUCTION SO THAT FINAL GRADING AND STABILIZATION IS COMPLETED AS SOON AS POSSIBLE.

MANAGING RUNOFF

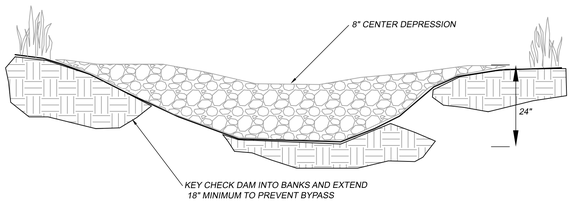
1. USE DIVERSIONS, STONE DIKES, SILT FENCES AND SIMILAR MEASURES TO BREAK FLOW LINES AND DISSIPATE STORM WATER ENERGY.
2. AVOID DIVERTING ONE DRAINAGE SYSTEM INTO ANOTHER WITHOUT CALCULATING THE POTENTIAL FOR DOWNSTREAM FLOODING OR EROSION.
3. CLEAN RUNOFF SHOULD BE KEPT SEPARATED FROM SEDIMENT LADEN WATER AND SHOULD NOT BE DIRECTED OVER DISTURBED AREAS WITHOUT ADDITIONAL CONTROLS. ADDITIONALLY, PREVENT THE MIXING OF CLEAN OFF-SITE GENERATED RUNOFF WITH SEDIMENT LADEN RUNOFF GENERATED ON-SITE UNTIL AFTER ADEQUATE INFILTRATION OF ON -SITE WATERS HAS OCCURRED.

INTERNAL EROSION CONTROLS

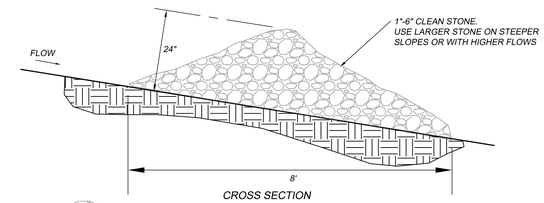
1. DO NOT RELY EXCLUSIVELY ON PERIMETER EROSION CONTROL DEVICES.
2. CONTROL EROSION AND SEDIMENTATION BY INSTALLING INTERNAL EROSION CONTROL IN THE SMALLEST DRAINAGE AREA POSSIBLE.
3. DIRECT RUNOFF FROM SMALL DISTURBED AREAS TO ADJOINING UNDISTURBED VEGETATED AREAS.
4. CONCENTRATED RUNOFF SHOULD BE CONVEYED TO SEDIMENT TRAPS OR BASINS AND STABLE OUTLETS USING RIP RAPPED CHANNELS, STORM DRAINS OR SIMILAR MEASURES.
5. INSTALL A TEMPORARY SEDIMENT TRAP FOR EACH PHASE OF EXCAVATION WHERE INDICATED ON THE PLAN.

CONSTRUCTION SCHEDULE

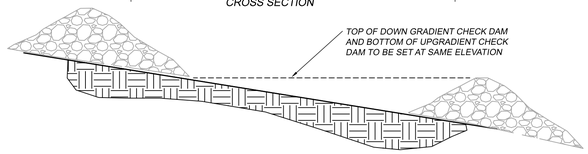
1. COMPLETE PHASE 1 BY THE END OF 2020
2. RESTORE THE PREVIOUS PERMITTED AREA WITH TOPSOIL AND SEED BY SEPTMBER 1, 2020.
3. COMPLETE PHASE 2 BY THE END OF 2022



UPSTREAM VIEW

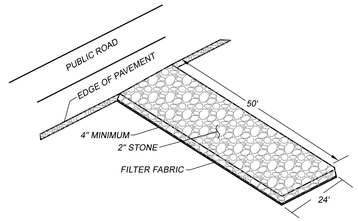


CROSS SECTION

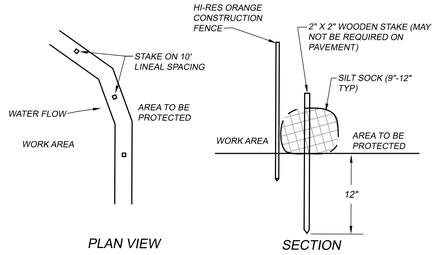


CHECK DAM SPACING

STONE CHECK DAM DETAIL
NOT TO SCALE



TEMPORARY CONSTRUCTION ENTRANCE
NOT TO SCALE

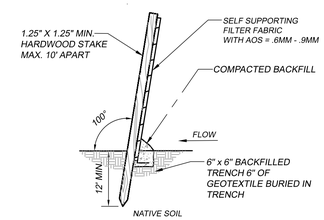


PLAN VIEW SECTION

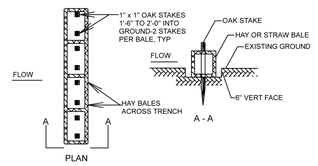
NOTES

1. SILT SOCK MANUFACTURER SHALL BE SILT SOXX OR ENGINEER APPROVED EQUAL
2. ALL MATERIAL TO MEET MANUFACTURER'S SPECIFICATIONS
3. SEDIMENT SILT SOCK TO BE FILLED WITH LEAF COMPOST AND/OR WOODY MULCH PER MANUFACTURER'S REQUIREMENTS.
4. FOLLOWING CONSTRUCTION AND SITE STABILIZATION, COMPOST MATERIAL SHALL BE REMOVED OR DISPERSED ON SITE, AS APPROVED BY THE ENGINEER.

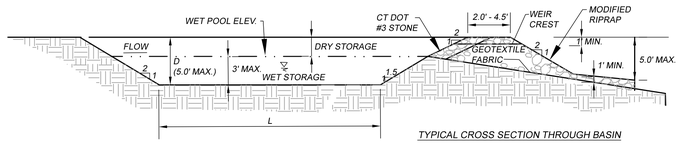
SILT SOCK DETAIL
NOT TO SCALE



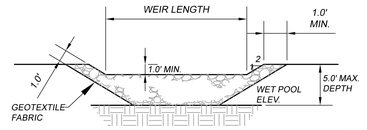
SILT FENCE INSTALLATION
NOT TO SCALE



HAY BALE EROSION CONTROL
N.T.S.



TYPICAL CROSS SECTION THROUGH BASIN



TYPICAL CROSS SECTION THROUGH WEIR

1. PERVIOUS DIKE SHALL BE CONSTRUCTED OF CT DOT MODIFIED RIPRAP WITH #3 STONE ON FACE.
2. NON-OVERFLOW PORTIONS AND ABUTMENTS OF TEMPORARY SEDIMENT TRAPS MAY BE CONSTRUCTED OF COMPACTED EARTHFILL.

TOP WIDTH VS. HEIGHT

H = HEIGHT OF EMBANKMENT
W = TOP WIDTH OF EMBANKMENT

H (FT.)	W (FT.)
1.5	2.0
2.0	2.0
2.5	2.5
3.0	2.5
3.5	3.0
4.0	3.0
4.5	4.0
5.0	4.5

TEMPORARY SEDIMENT TRAP
NOT TO SCALE

CONSTRUCTION

1. CLEAR, GRUB AND STRIP ANY VEGETATION AND ROOT MAT FROM ANY PROPOSED EMBANKMENT AND OUTLET AREA. REMOVE STONES AND ROCKS WHOSE DIAMETER IS GREATER THAN 3" AND OTHER DEBRIS.
2. EXCAVATE WET STORAGE AND CONSTRUCT EMBANKMENT AS SHOWN ON PLAN.
3. USE ONLY FILL MATERIAL FOR THE EMBANKMENT THAT IS FREE FROM EXCESSIVE ORGANICS, DEBRIS, ROCKS > 6", AND OTHER UNSUITABLE MATERIALS.
4. COMPACT THE EMBANKMENT IN 9" LIFTS.
5. STABLIZE THE EMBANKMENT WITH TEMPORARY SEEDING, PERMANENT SEEDING OR STONE SLOPE PROTECTION IMMEDIATLEY AFTER INSTALLING.
6. RIP RAP APRON MUST OUTLET ONTO UNDISTURBED GROUND.

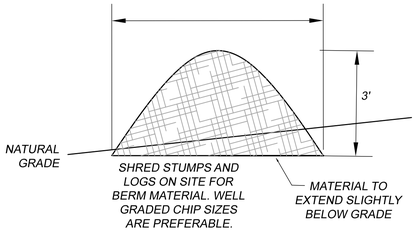
MAINTENANCE

1. INSPECT THE TEMPORARY SEDIMENT TRAP AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5" OR GREATER.
2. WHEN SEDIMENTS HAVE ACCUMULATED TO ONE HALF THE MINIMUM REQUIRED VOLUME OF THE WET STORAGE, REMOVE SEDIMENTS AND RESTORE THE TRAP TO ITS ORIGINAL DIMENSIONS.
3. DISPOSE OF SEDIMENT IN A SUITABLE AREA AND IN A SUCH A MANNER THAT IT WILL NOT ERODE INTO WETLANDS OR WATERCOURSES.
4. THE TEMPORARY SEDIMENT TRAP MAY BE REMOVED AFTER THE CONTRIBUTING DRAINAGE AREA IS STABLIZED UPON REMOVAL, THE AREA SHALL BE RESTORED TO PRE-EXISTING GRADES, LOAMED AND SEEDED.

SIZING CRITERIA

SEDIMENT TRAPS SHALL BE SIZED TO CONTAIN 134 CY PER ACRE OF DRAINAGE AREA HALF OF WHICH SHALL BE WET STORAGE. THE LENGTH (L) MUST BE AT LEAST TWICE THE WIDTH (W). THE FOLLOWING SIZES MAY BE USED.

DRAINAGE AREA	DEPTH (D)	WIDTH (W)	LENGTH (L)
2 AC.	4'	30'	60'
3 AC.	5'	30'	72'
4 AC.	5'	35'	83'
5 AC.	5'	40'	90'



WOOD CHIP BERM
NOT TO SCALE

EROSION CONTROL PLAN
PREPARED FOR
J & J CONSTRUCTION
PO BOX 848
NORTH GROSVENORDALE, CT 06255

J&D CIVIL ENGINEERS, LLC
401 RAVENELLE ROAD
N. GROSVENORDALE, CT 06255
860-923-2920

DESIGNED: DDB
CHECKED: JJB
REVISIONS:

JOB NO: 19191 | DATE: MAY 12, 2020
SCALE: AS NOTED | SHEET: 6 OF 6