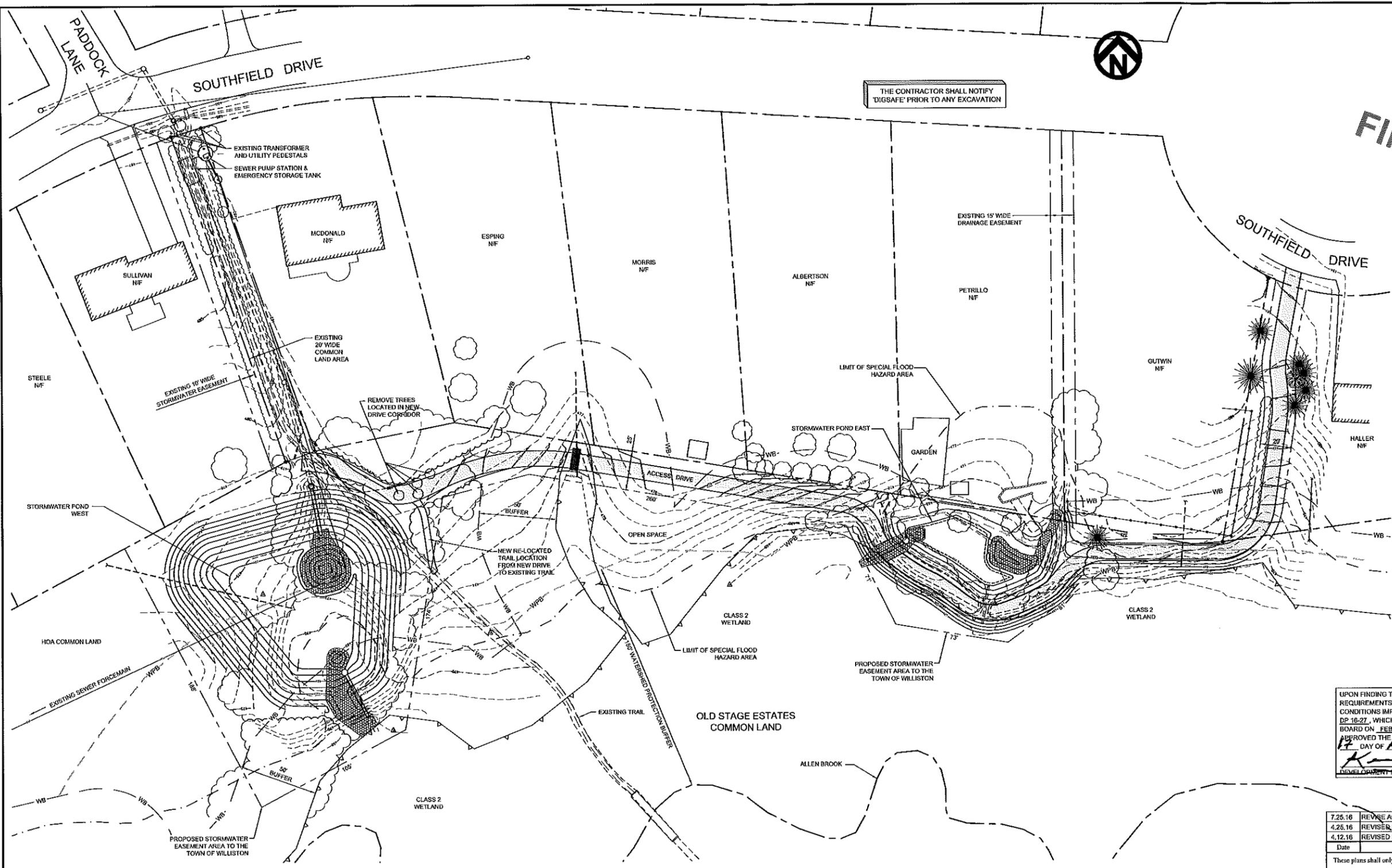




FINAL PLANS

THE CONTRACTOR SHALL NOTIFY 'DIGSAFE' PRIOR TO ANY EXCAVATION



UPON FINDING THAT THE FINAL PLANS COMPLIED WITH ALL REQUIREMENTS OF THE WILLISTON DEVELOPMENT BY-LAW AND ALL CONDITIONS IMPOSED ON THE APPROVAL OF DISCRETIONARY PERMIT DP 16-27, WHICH WAS APPROVED BY THE DEVELOPMENT REVIEW BOARD ON FEBRUARY 28, 2017, THE ADMINISTRATOR / DRB APPROVED THE FINAL PLANS FOR OLD STAGE ESTATES, ON THE 17th DAY OF APRIL, 2017.
K. Bell
DEVELOPMENT REVIEW BOARD CHAIR / ADMINISTRATOR'S SIGNATURE

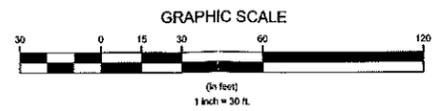
7.25.16	REVISE ACCESS DRIVE	ABR
4.25.16	REVISED NEW ACCESS DRIVE ALIGNMENT BEHIND ESPING	ABR
4.12.16	REVISED NEW ACCESS DRIVE ALIGNMENT	DJG
Date	Revision	By

These plans shall only be used for the purpose shown below:

<input type="checkbox"/>	Sketch/Concept	<input type="checkbox"/>	Act 250 Review
<input type="checkbox"/>	Preliminary	<input type="checkbox"/>	Construction
<input checked="" type="checkbox"/>	Final	<input type="checkbox"/>	Record Drawing

Project No. 14065	
Survey L&D	
Design AR	
Drawn L&D	
Checked DG	
Date	2-23-16
Scale	1" = 30'
Sheet number	1

Stormwater Ponds



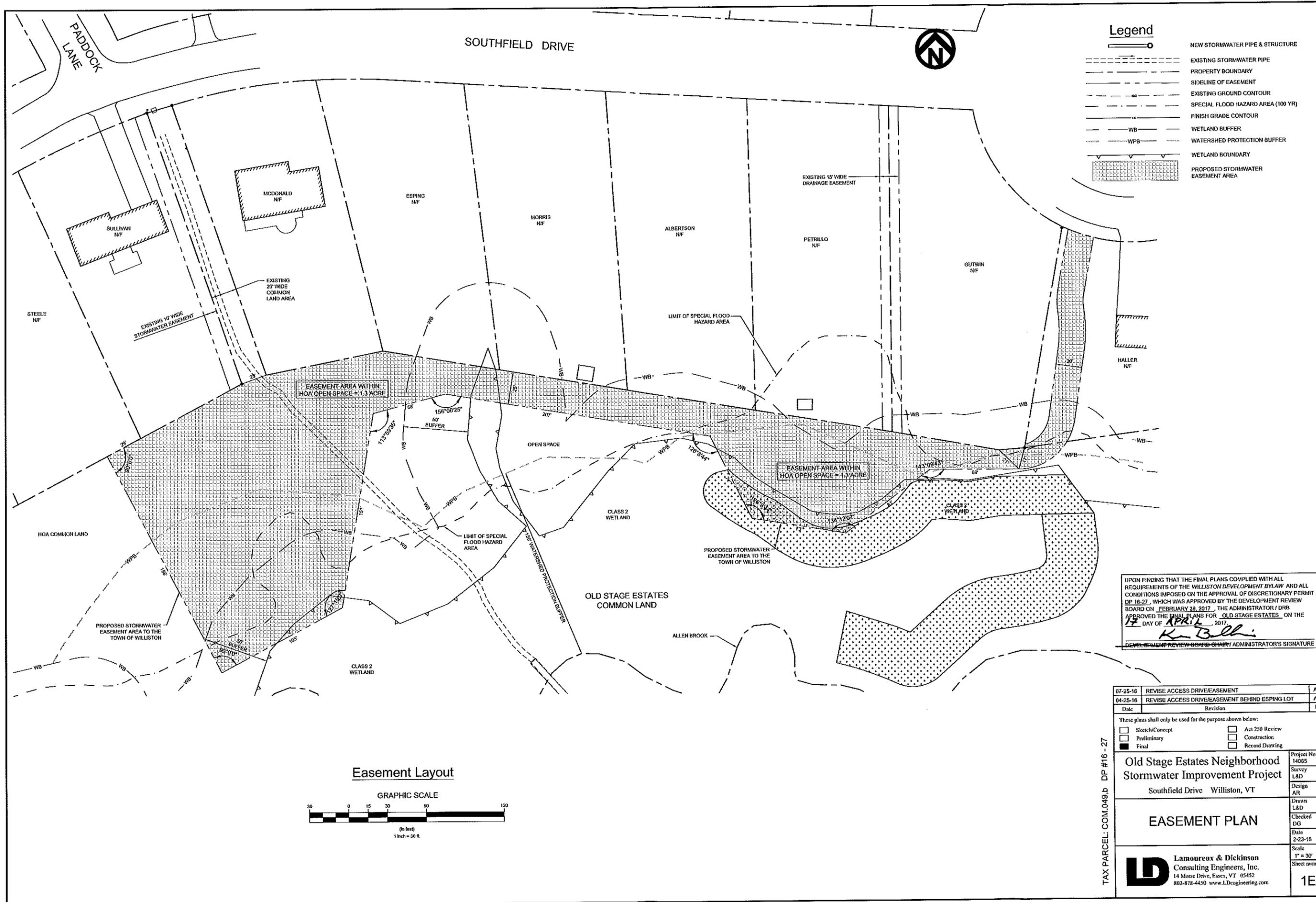
Legend

- NEW STORMWATER PIPE & STRUCTURE
- EXISTING STORMWATER PIPE
- PROPERTY BOUNDARY
- SIDELINE OF EASEMENT
- EXISTING GROUND CONTOUR
- SPECIAL FLOOD HAZARD AREA (100 YR)
- FINISH GRADE CONTOUR
- WETLAND BUFFER
- WATERSHED PROTECTION BUFFER
- WETLAND BOUNDARY

TAX PARCEL: COM.049.b DP #16-27

DP 16-27

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Legend

	NEW STORMWATER PIPE & STRUCTURE
	EXISTING STORMWATER PIPE
	PROPERTY BOUNDARY
	SIDELINE OF EASEMENT
	EXISTING GROUND CONTOUR
	SPECIAL FLOOD HAZARD AREA (100 YR)
	FINISH GRADE CONTOUR
	WETLAND BUFFER
	WATERSHED PROTECTION BUFFER
	WETLAND BOUNDARY
	PROPOSED STORMWATER EASEMENT AREA

UPON FINDING THAT THE FINAL PLANS COMPLIED WITH ALL REQUIREMENTS OF THE WILLISTON DEVELOPMENT BYLAW AND ALL CONDITIONS IMPOSED ON THE APPROVAL OF DISCRETIONARY PERMIT DP-16-27, WHICH WAS APPROVED BY THE DEVELOPMENT REVIEW BOARD ON FEBRUARY 28, 2017, THE ADMINISTRATOR / DRB APPROVED THE FINAL PLANS FOR OLD STAGE ESTATES ON THE 17 DAY OF APRIL, 2017.

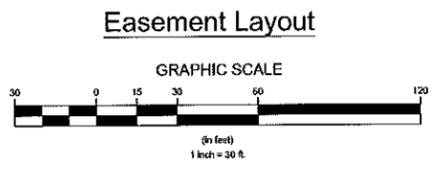
K. Balli
 DEVELOPMENT REVIEW BOARD CHAIR / ADMINISTRATOR'S SIGNATURE

07-25-16	REVISE ACCESS DRIVE/EASEMENT	ABR
04-25-16	REVISE ACCESS DRIVE/EASEMENT BEHIND ESPING LOT	ABR
Date	Revision	By

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<input type="checkbox"/> Sketch/Concept	<input type="checkbox"/> Act 250 Review
<input type="checkbox"/> Preliminary	<input type="checkbox"/> Construction
<input checked="" type="checkbox"/> Final	<input type="checkbox"/> Record Drawing

Old Stage Estates Neighborhood Stormwater Improvement Project Southfield Drive Williston, VT		Project No. 14065 Survey L&D Design AR Drawn L&D Checked DG Date 2-23-16 Scale 1" = 30' Sheet number 1E
EASEMENT PLAN		
Lamoureux & Dickinson Consulting Engineers, Inc. 14 Morse Drive, Essex, VT 05452 802-878-4450 www.LDengineering.com		



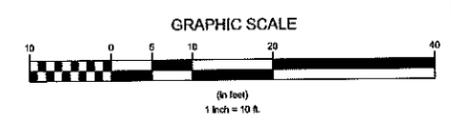
TAX PARCEL: COM.049.b DP #16-27



THE CONTRACTOR SHALL NOTIFY 'DIGSAFE' PRIOR TO ANY EXCAVATION

Legend

- WB WETLAND BUFFER
- WETLAND BOUNDARY
- FINISH GRADE CONTOUR
- 470 EXISTING GROUND CONTOUR
- EXISTING STORMWATER PIPE
- PROPERTY BOUNDARY
- STONE LINED SURFACE
- NEW STRUCTURE & STORM PIPE



UPON FINDING THAT THE FINAL PLANS COMPLIED WITH ALL REQUIREMENTS OF THE WILLISTON DEVELOPMENT BYLAW AND ALL CONDITIONS IMPOSED ON THE APPROVAL OF DISCRETIONARY PERMIT DP-16-27, WHICH WAS APPROVED BY THE DEVELOPMENT REVIEW BOARD ON FEBRUARY 28, 2017, THE ADMINISTRATOR / DRB APPROVED THE FINAL PLANS FOR 'OLD STAGE ESTATES' ON THE 17 DAY OF APRIL, 2017.

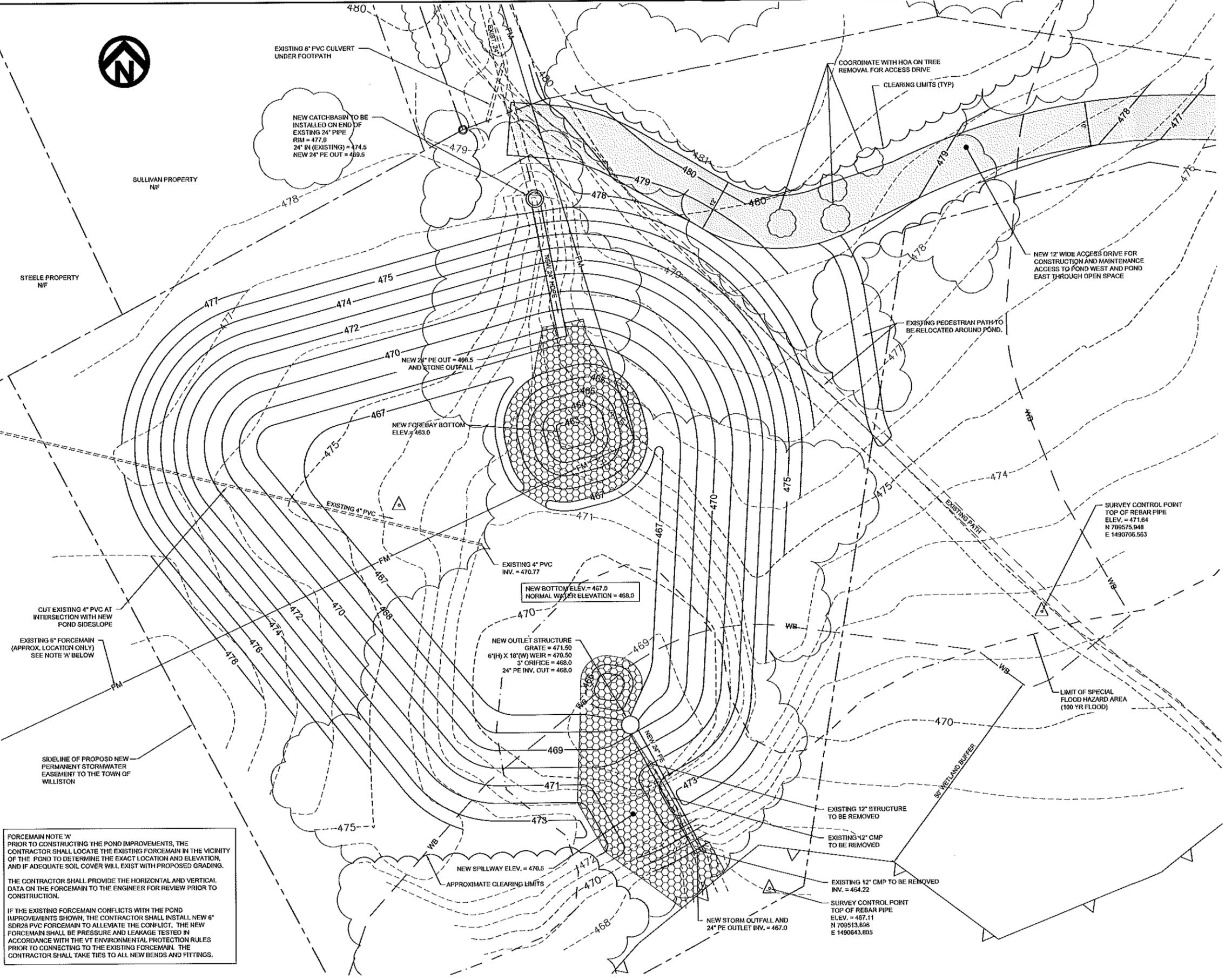
[Signature]
DEVELOPMENT REVIEW BOARD CHAIR / ADMINISTRATOR'S SIGNATURE

Date	Revision	By
7.25.16	REVISE ACCESS DRIVE WIDTH AND ORIGIN	ABR
4.25.15	REVISE NEW ACCESS DRIVE BEHIND ESPING LOT	ABR
4.12.15	REVISE NEW ACCESS DRIVE ALIGNMENT	DJG

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<input type="checkbox"/> Sketch/Concept	<input type="checkbox"/> Act 250 Review
<input type="checkbox"/> Preliminary	<input type="checkbox"/> Construction
<input checked="" type="checkbox"/> Final	<input type="checkbox"/> Record Drawing

Old Stage Estates Neighborhood Stormwater Improvement Project		Project No. 14065
Southfield Drive Williston, VT		Survey L&D
Stormwater Pond West		Design AR
		Dwnn L&D
		Checked DG
		Date 2-23-16
		Scale 1" = 10'
		Sheet number 2



FORCEMAIN NOTE 'A'
PRIOR TO CONSTRUCTING THE POND IMPROVEMENTS, THE CONTRACTOR SHALL LOCATE THE EXISTING FORCEMAIN IN THE VICINITY OF THE POND TO DETERMINE THE EXACT LOCATION AND ELEVATION, AND IF ADEQUATE SOIL COVER WILL EXIST WITH PROPOSED GRADING.

THE CONTRACTOR SHALL PROVIDE THE HORIZONTAL AND VERTICAL DATA ON THE FORCEMAIN TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.

IF THE EXISTING FORCEMAIN CONFLICTS WITH THE POND IMPROVEMENTS SHOWN, THE CONTRACTOR SHALL INSTALL NEW 6" SDR26 PVC FORCEMAIN TO ALLEVIATE THE CONFLICT. THE NEW FORCEMAIN SHALL BE PRESSURE AND LEAKAGE TESTED IN ACCORDANCE WITH THE VT ENVIRONMENTAL PROTECTION RULES PRIOR TO CONNECTING TO THE EXISTING FORCEMAIN. THE CONTRACTOR SHALL TAKE TIES TO ALL NEW BENDS AND FITTINGS.

Stormwater Pond West

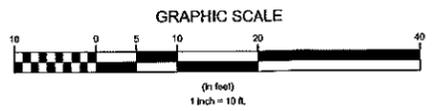
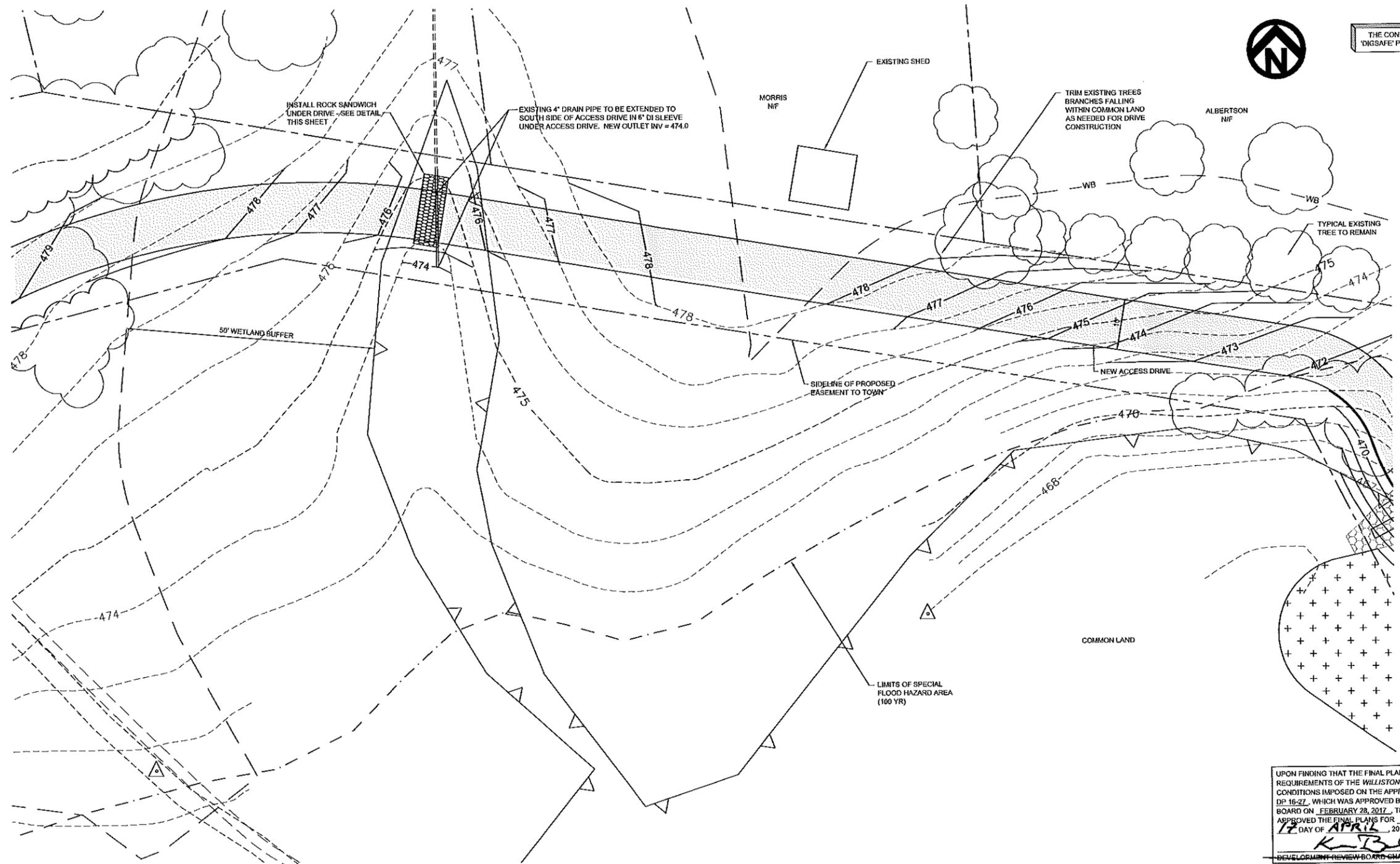
TAX PARCEL: COM.049.b DP #16-27



THE CONTRACTOR SHALL NOTIFY 'DIGSAFE' PRIOR TO ANY EXCAVATION

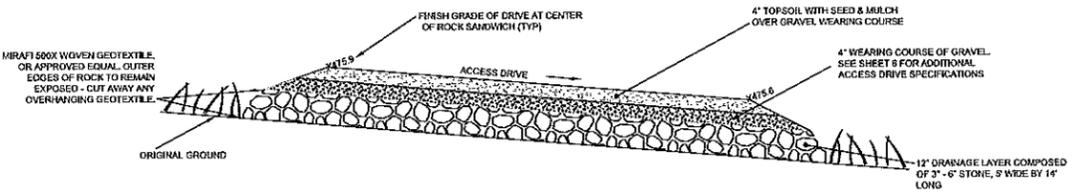
POND WEST (SEE SHEET 2)

POND EAST (SEE SHEET 3)



Legend

	WB	WETLAND BUFFER
	470	WETLAND BOUNDARY
	470	FINISH GRADE CONTOUR
		EXISTING STORMWATER PIPE
		PROPERTY BOUNDARY
		PROPERTY BOUNDARY
		STONE LINED SURFACE
		NEW STRUCTURE & STORM PIPE



ROCK SANDWICH CROSS-SECTION
NOT TO SCALE

UPON FINDING THAT THE FINAL PLANS COMPLIED WITH ALL REQUIREMENTS OF THE WILLISTON DEVELOPMENT BYLAW AND ALL CONDITIONS IMPOSED ON THE APPROVAL OF DISCRETIONARY PERMIT DP 16-27, WHICH WAS APPROVED BY THE DEVELOPMENT REVIEW BOARD ON FEBRUARY 28, 2017, THE ADMINISTRATOR / DRB APPROVED THE FINAL PLANS FOR OLD STAGE ESTATES, ON THE 17 DAY OF APRIL, 2017.

7.25.16	CREATE SHEET 2A	ABR
Date	Revision	By

These plans shall only be used for the purpose shown below:

<input type="checkbox"/> Sketch/Concept	<input type="checkbox"/> Act 250 Review
<input type="checkbox"/> Preliminary	<input type="checkbox"/> Construction
<input checked="" type="checkbox"/> Final	<input type="checkbox"/> Record Drawing

Old Stage Estates Neighborhood Stormwater Improvement Project
Southfield Drive Williston, VT

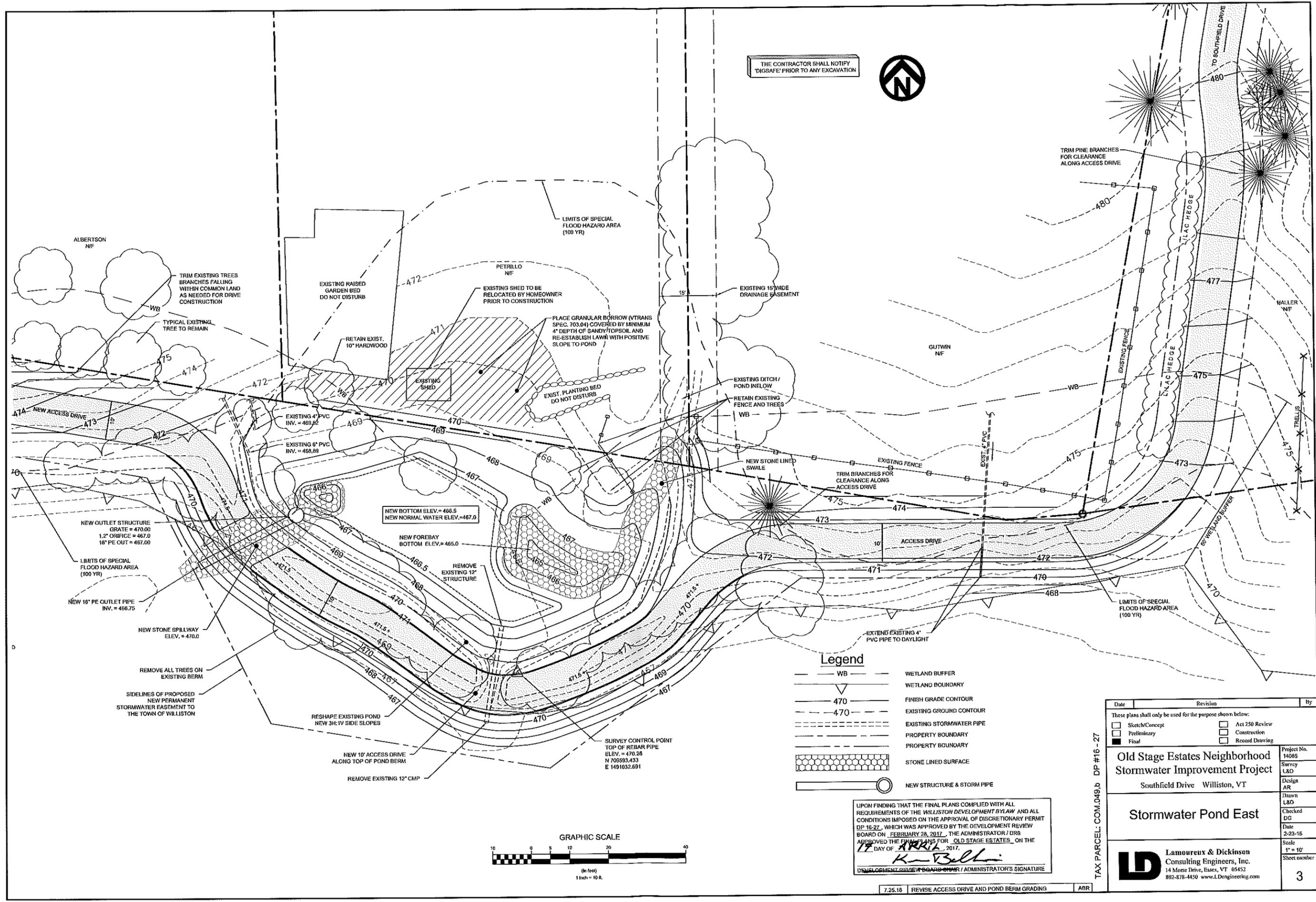
Access Drive
Pond East to Pond West

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TAX PARCEL: COM.049.b DF #16 - 27

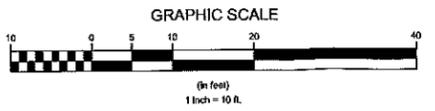
Project No. 14085
Survey L&D
Design AR
Drawn L&D
Checked DG
Date 2-23-16
Scale 1" = 10'
Sheet number 2A

THE CONTRACTOR SHALL NOTIFY 'DIGSAFE' PRIOR TO ANY EXCAVATION



Legend

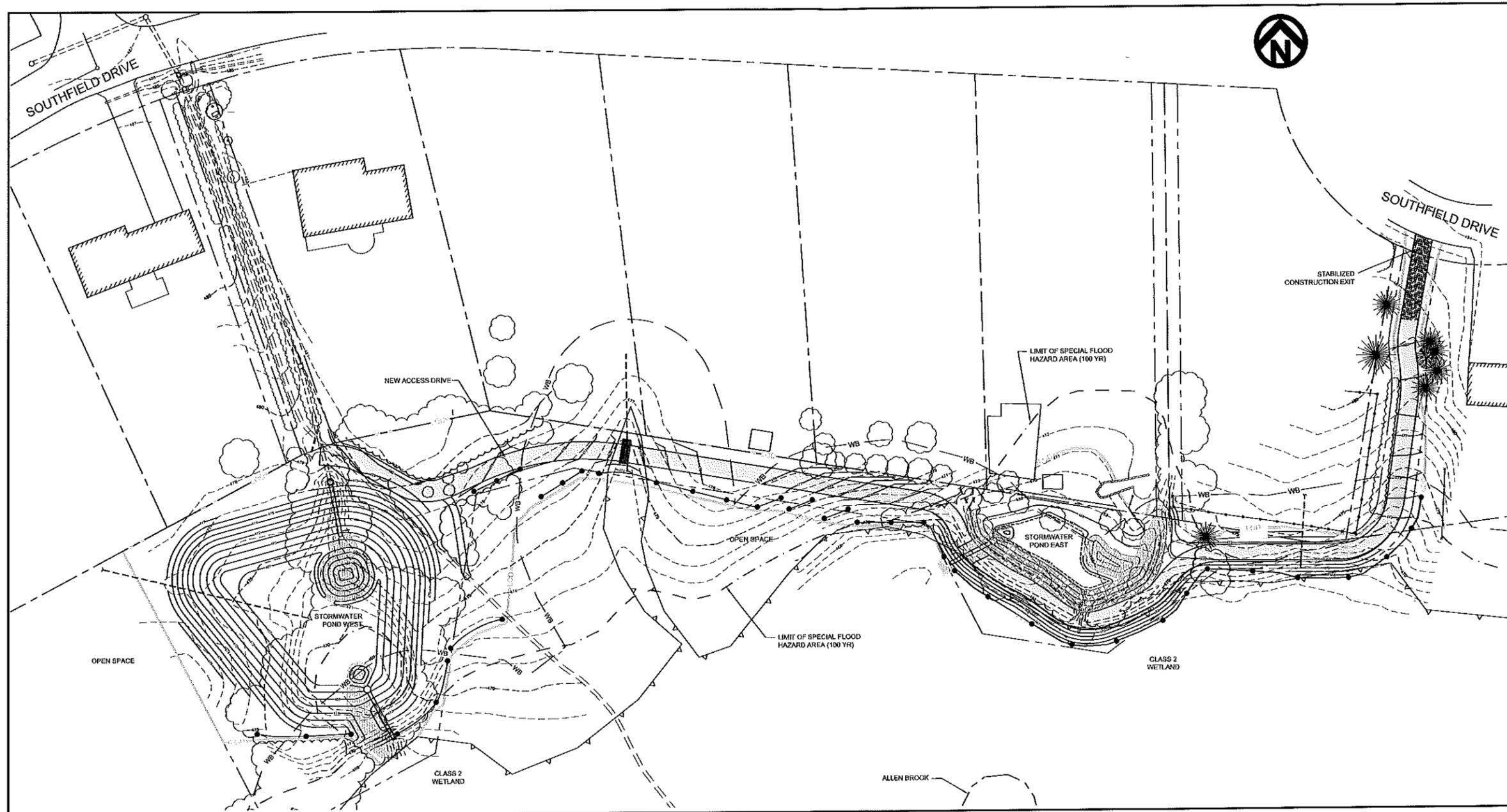
WB	WETLAND BUFFER
▽	WETLAND BOUNDARY
470	FINISH GRADE CONTOUR
470	EXISTING GROUND CONTOUR
---	EXISTING STORMWATER PIPE
---	PROPERTY BOUNDARY
---	PROPERTY BOUNDARY
⊞	STONE LINED SURFACE
○	NEW STRUCTURE & STORM PIPE



UPON FINDING THAT THE FINAL PLANS COMPLIED WITH ALL REQUIREMENTS OF THE WILLISTON DEVELOPMENT BYLAW AND ALL CONDITIONS IMPOSED ON THE APPROVAL OF DISCRETIONARY PERMIT DP-16-27, WHICH WAS APPROVED BY THE DEVELOPMENT REVIEW BOARD ON FEBRUARY 28, 2017, THE ADMINISTRATOR / DRB APPROVED THE FINAL PLANS FOR OLD STAGE ESTATES ON THE 17 DAY OF APRIL, 2017.

K. Bell
 DEVELOPMENT REVIEW BOARD CHAIR / ADMINISTRATOR'S SIGNATURE

Date	Revision	By
These plans shall only be used for the purpose shown below:		
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<input type="checkbox"/> Preliminary	<input type="checkbox"/> Construction	
<input checked="" type="checkbox"/> Final	<input type="checkbox"/> Record Drawing	
Old Stage Estates Neighborhood Stormwater Improvement Project		Project No. 14085
Southfield Drive Williston, VT		Survey L&D
Stormwater Pond East		Design AR
		Drawn L&D
		Checked DG
		Date 2-23-16
		Scale 1" = 10'
		Sheet number
Lamoureux & Dickinson Consulting Engineers, Inc. 14 Morse Drive, Essex, VT 05452 802-878-4450 www.LDengineering.com		3



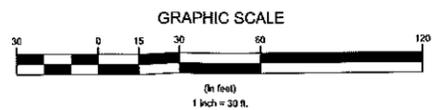
Erosion Prevention & Sediment Control Plan

EROSION CONTROL NOTES

- IT IS ANTICIPATED THAT MORE THAN 1 ACRE OF EARTH DISTURBANCE WILL OCCUR DURING PROJECT CONSTRUCTION. THE AGENCY OF NATURAL RESOURCES (ANR) HAS ISSUED COVERAGE UNDER THE APPROPRIATE CONSTRUCTION GENERAL PERMIT (CGP 3-9020 PERMIT). PRIOR TO SOIL DISTURBANCE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY EROSION PREVENTION AND SEDIMENT CONTROL MEASURES NEEDED TO SATISFY ANY SUCH PERMIT REQUIREMENTS. REGARDLESS OF PERMIT APPLICABILITY, THE CONTRACTOR IS ALWAYS RESPONSIBLE FOR ENSURING THAT PROPER EROSION PREVENTION AND SEDIMENT CONTROL TECHNIQUES ARE UTILIZED DURING CONSTRUCTION.
- ANR'S "LOW RISK SITE HANDBOOK FOR EROSION PREVENTION AND SEDIMENT CONTROL" AND THE "VERMONT EROSION PREVENTION AND SEDIMENT CONTROL FIELD GUIDE" SHALL BE USED AS GUIDANCE DURING CONSTRUCTION.
- THE AREA OF DISTURBED SOILS AND THE DURATION OF EXPOSURE OF THE DISTURBED SOILS SHALL BE MINIMIZED. TO ACCOMPLISH THIS, WORK EFFORT SHOULD BE FOCUSED ON THE COMPLETION AND STABILIZATION OF ONE TASK BEFORE PROCEEDING TO THE NEXT.
- EROSION PREVENTION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED PRIOR TO AND FOLLOWING PRECIPITATION EVENTS, AND NOT LESS THAN ONCE EVERY SEVEN (7) DAYS. MAINTENANCE AND REPAIRS SHALL BE PROMPTLY COMPLETED.
- TEMPORARY SOIL STOCKPILES SHALL BE MULCHED WITH HAY AND TEMPORARY SILT FENCE INSTALLED AROUND THE DOWNSLOPE PERIMETER OF THE PILES.
- PROTECTION SHALL BE INSTALLED AT ALL STORMWATER INLETS IN THE PROJECT WORK AREA.
- THE CONTRACTOR SHALL SWEEP THE PAVEMENT AS NEEDED TO REMOVE ANY TRACKED SEDIMENT AND TO CONTROL DUST.
- DISTURBED AREAS THAT ARE NOT BEING ACTIVELY WORKED SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH OR MATTING.
- THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION PREVENTION AND SEDIMENT CONTROL MEASURES AFTER FINAL STABILIZATION AND PRIOR TO COMPLETION OF THE PROJECT.
- PAYMENT FOR THE DISPOSAL OF UNSUITABLE OR EXCESS MATERIAL AT AN OFFSITE LOCATION INCLUDING TEMPORARY AND PERMANENT EROSION PREVENTION AND SEDIMENT CONTROL MEASURES, SHALL NOT BE PAID SEPARATELY, BUT SHALL BE INCIDENTAL TO THE VARIOUS ITEMS REQUIRED FOR COMPLETION OF THE WORK SHOWN ON THE PLANS.
- PAYMENT FOR TEMPORARY STABILIZED BASE IN STAGING OR STORAGE AREAS OR TEMPORARY ACCESS ROADS SHALL NOT BE PAID SEPARATELY, BUT SHALL BE INCIDENTAL TO THE VARIOUS ITEMS REQUIRED FOR COMPLETION OF THE WORK SHOWN ON THE PLANS.

Legend

- NEW STORMWATER PIPE & STRUCTURE
- EXISTING STORMWATER PIPE
- PROPERTY BOUNDARY
- SIDELINE OF EXISTING EASEMENT
- EXISTING GROUND CONTOUR
- FINISH GRADE CONTOUR
- WETLAND BUFFER
- WETLAND BOUNDARY



EPSC Legend

- TEMPORARY SILT FENCE
- LIMIT OF DISTURBANCE
- EROSION MATTING
- ROCK BORROW
- GRAVEL SUBBASE WITH GRASS SURFACE
- STABILIZED CONSTRUCTION EXIT

UPON FINDING THAT THE FINAL PLANS COMPLIED WITH ALL REQUIREMENTS OF THE WILLISTON DEVELOPMENT BYLAW AND ALL CONDITIONS IMPOSED ON THE APPROVAL OF DISCRETIONARY PERMIT DP 16-27, WHICH WAS APPROVED BY THE DEVELOPMENT REVIEW BOARD ON FEBRUARY 28, 2017, THE ADMINISTRATOR / DRB APPROVED THE FINAL PLANS FOR OLD STAGE ESTATES, ON THE 17 DAY OF APRIL, 2017.

Kim Ballin
 DEVELOPMENT REVIEW BOARD CHAIR / ADMINISTRATOR'S SIGNATURE

07-25-16	REVISE ACCESS DRIVE	ABR
04-25-16	REVISE ACCESS DRIVE BEHIND ESPING LOT	ABR
Date	Revision	By

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<input type="checkbox"/> Sketch/Concept	<input type="checkbox"/> Act 250 Review
<input type="checkbox"/> Preliminary	<input type="checkbox"/> Construction
<input checked="" type="checkbox"/> Final	<input type="checkbox"/> Record Drawing

Project No. 14065
 Survey L&D
 Design AR
 Drawn L&D
 Checked DG
 Date 2-23-16
 Scale 1" = 30'
 Sheet number 4

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TAX PARCEL: COM.049.b DP #16 - 27

TURF ESTABLISHMENT SPECIFICATIONS

ALL DISTURBED AREAS THAT DO NOT HAVE AN IMPERVIOUS SURFACE (PAVEMENT, SIDEWALKS, AND GRAVEL ACCESS DRIVES) OR ARE NOT LANDSCAPED WITH BARK MULCH, SHALL BE STABILIZED WITH NEW GRASS COVER. ALL SEEDING AND MULCHING FOR ESTABLISHING NEW GRASS COVER SHALL BE COMPLETED AFTER APRIL 15 (AS SITE CONDITIONS ALLOW) AND PRIOR TO SEPTEMBER 15. PLACEMENT OF TOPSOIL, AND THE APPLICATION OF SEED, FERTILIZER, LIME (WHERE APPLICABLE), AND MULCH SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

- A MINIMUM OF 4" OF APPROVED TOPSOIL SHALL BE PLACED IN ALL AREAS. PLACEMENT OF TOPSOIL SHALL NOT BE DONE WHEN THE GROUND OR TOPSOIL IS FROZEN, EXCESSIVELY WET, OR OTHERWISE IN A CONDITION DETRIMENTAL TO THE WORK. FOLLOWING PLACEMENT OF TOPSOIL, THE SURFACE SHALL BE RAKED, ALL STONES, LUMPS, HOOTS, OR OTHER OBJECTIONAL MATERIAL SHALL BE REMOVED.
- CONSERVATION SEED MIXTURE SHALL BE SPREAD UNIFORMLY IN ALL AREAS AT THE SPECIFIED RATE.
- FERTILIZER SHALL BE APPLIED ONLY AFTER PERFORMING A SOIL TEST AND BE APPLIED BASED UPON SOIL DEFICIENCIES. LIME SHALL ONLY BE APPLIED AS NEEDED BASED UPON A SOIL pH TEST.
- MULCHING SHALL FOLLOW THE SEEDING OPERATION BY NOT MORE THAN 24 HOURS. MULCH SHALL BE SPREAD UNIFORMLY OVER THE AREA AT A MINIMUM RATE OF 2 TONS PER ACRE. SITE CONDITIONS MAY WARRANT THE APPLICATION OF A TACKIFIER OR NETTING TO HOLD THE MULCH IN PLACE. IF NECESSARY TO RETAIN THE MULCH, THE CONTRACTOR SHALL APPLY AN APPROVED TACKIFIER, OR NETTING, WITHOUT ADDITIONAL COST TO THE OWNER.
- HYDROSEEDING MAY BE USED IN LIEU OF SEEDING AND APPLYING MULCH DURING THE GROWING SEASON. HYDROSEEDING SHALL INCLUDE THE APPLICATION OF WOOD AND/OR PAPER BINDER MULCH. THE BINDER SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, BUT SHALL NOT BE LESS THAN 1500 POUNDS PER ACRE ON SLOPES LESS THAN 15%, AND NOT LESS THAN 2000 POUNDS PER ACRE ON SLOPES GREATER THAN 15%. HYDROSEEDING ALONE SHALL NOT BE USED FOR TEMPORARY STABILIZATION AFTER SEPTEMBER 15.
- ALL SLOPES STEEPER THAN 3:1 V SHALL HAVE EROSION MATTING APPLIED OVER THE SEED. ALL DITCH CENTERLINE GRADES GREATER THAN 2% OR AS SHOWN ON THE PLANS SHALL HAVE EROSION MATTING APPLIED OVER THE SEED. EROSION MATTING SHALL CONSIST OF EROSION CONTROL BLANKET WITH 100% AGRICULTURAL STRAIN MATRIX STITCH BOUND WITH DEGRADABLE THREAD BETWEEN TWO PHOTODEGRADABLE POLYPROPYLENE NETTINGS, NORTH AMERICAN GREEN S150 OR EQUAL, NORTH AMERICAN GREEN S150 MAY BE USED IN LAWN AREAS, ONLY WHEN SEEDING TAKES PLACE PRIOR TO SEPTEMBER 1.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR A FULL GROWTH OF GRASS IN ALL DISTURBED AREAS TO BE REVEGETATED. VEGETATION GROWTH SHALL BE PERMANENT AND SUFFICIENT TO PREVENT EROSION OF THE UNDERLYING SOIL UNDER ALL CONDITIONS OF PRECIPITATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND CARING FOR SEEDS, MULCHES, AND AREAS OF ESTABLISHED VEGETATION UNTIL FINAL ACCEPTANCE OF THE WORK BY THE OWNER.

SEED MIX SPECIFICATIONS

CONSERVATION SEED MIX SHALL BE USED IN ALL DISTURBED AREAS.

POND SIDESLOPES DISTURBED DURING CONSTRUCTION SHALL HAVE CONSERVATION MIX AND WETLAND SEED MIX APPLIED. THE WETLAND SEED MIX NEED ONLY BE APPLIED TO THE POND SIDESLOPE EXTENDING TO 3 VERTICAL FEET ABOVE THE NORMAL WATER LEVEL OF THE POND.

WETLAND SEED MIX SHALL BE OBTAINED FROM NEW ENGLAND WETLAND PLANTS, INC. WWW.NEWP.COM

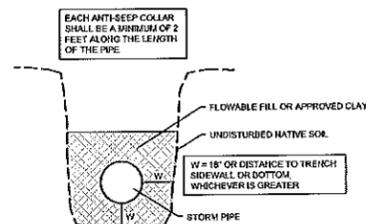
CONSERVATION MIX GRASS SEED		
% BY WEIGHT	LBS. LIVE SEED PER ACRE	TYPE OF SEED
35	35	CREeping RED FESCUE
23	23	KENTUCKY BLUEGRASS
16	16	ANNUAL RYE
11	11	WINTER HARDY, PERENNIAL RYE (VARIETY PERENNIAL, MANHATTAN OR SIMILAR VARIETY)
6	6	WHITE CLOVER
10	10	HIGHLAND DENTGRASS
100	100	LIVE SEED / ACRE

NEW ENGLAND WETMIX (WETLAND SEED MIX)	
APPLICATION RATE:	11 LB PER 2500 SF OR 18 LBS PER ACRE
AVAILABLE FROM:	NEW ENGLAND WETLAND PLANTS, INC. 820 WEST STREET AMHERST, MA 01002 416-458-8008 WWW.NEWP.COM

STUMP DISPOSAL SPECIFICATIONS

THE DECIDUOUS TREES THAT MUST BE CUT WILL BE USED AS FIREWOOD. THE STUMPS, BRUSH, AND EXCESS UNSUITABLE EARTH WILL BE HAULED OFF-SITE TO A STATE-APPROVED LANDFILL. IF ON-SITE STUMP DISPOSAL IS IMPLEMENTED, THE FOLLOWING GUIDELINES SHALL BE MET:

- WHENEVER POSSIBLE, STUMP DISPOSAL SITES SHOULD BE LOCATED ON NEARLY LEVEL TO MODERATELY SLOPING LANDS (SLOPES LESS THAN 12%).
- DISPOSAL SITES WILL NOT BE LOCATED IN OR WITHIN 100 FEET OF FLOWING WATERCOURSES OR STREAMS OR IN ACTIVELY ERODING GULLIES.
- DISPOSAL SITES SHALL NOT BE LOCATED IN FLOODED OR FLOOD-PRONE LANDS, WETLANDS, MARSHES, OR OTHER AQUIFER RECHARGE AREAS.
- STUMPS WILL BE PLACED ON THE SITE IN A SINGLE LIFT PRIOR TO BACKFILLING. WHEN ADDITIONAL STUMPS ARE TO BE DEPOSITED ON THE SAME SITE, EACH SUCCESSIVE LAYER OR LIFT OF STUMPS WILL BE BACKFILLED.
- A MINIMUM OF TWO FEET (2') OF OVERBURDEN WILL BE PLACED OVER ALL DISPOSAL SITES.



- A MINIMUM OF THREE ANTI-SEEP COLLARS SHALL BE INSTALLED ON THE OUTLET PIPE FROM THE STORMWATER BASIN.
- THE COLLAR SHALL BE CONSTRUCTED WITH FLOWABLE FILL (750 PSI CONCRETE) OR APPROVED CLAY.
- PAYMENT FOR THE ANTI-SEEP COLLARS SHALL BE CONSIDERED SUBSIDIARY TO THE STORMWATER PIPE INSTALLATION.

ANTI-SEEP COLLAR

EROSION CONTROL BLANKET SCHEDULE

TYPE	SLOPE (V:H)	BLANKET DESCRIPTION	SOIL NO.
A	4:1-3:1	SINGLE NET STRIP BLANKET	NORTH AMERICAN GREEN S75 OR EQUAL
B	4:1-3:1	DOUBLE NET STRIP BLANKET	NORTH AMERICAN GREEN S150 OR EQUAL
C	2:1-1:1	DOUBLE NET STRIP BLANKET FOR STORM/ROCK COCONUT	NORTH AMERICAN GREEN S150 OR EQUAL
D	1:1 OR GREATER	DOUBLE NET COCONUT BLANKET	NORTH AMERICAN GREEN C125 OR EQUAL

- INSTALL WHERE SHOWN ON PLANS.
- CONTRACTOR SHALL USE BIODEGRADABLE STAPLES FOR FASTENERS. WIRE STAPLES ARE NOT ACCEPTABLE.
- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
- DOWN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER SEEDING. APPLY SEED TO COMPACTED SOIL AND FILL REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF BIODEGRADABLE STAPLES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
- BLANKETS WILL UNROLL WITH APPROPRIATE STAPLES AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING BIODEGRADABLE STAPLES BY APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN. WHEN USING OPTIONAL DOT SYSTEM, BIODEGRADABLE STAPLES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2'-0" OVERLAP DEPENDENT ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET SEAM INSTALLED ON TOP) EXACT WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
- CONSIDERING BLANKETS SPACED DOWN THE SLOPE MUST BE PLACED END OVER END (DOUBLE STAPLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
- IN LOOSE SOIL CONDITIONS, THE USE OF STAPLES LONGER THAN 4" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

TOWN OF WILLISTON
PUBLIC WORKS DEPARTMENT
SCALE: NTS
DATE: APRIL 2010
DRAWING # F-3
DRAWN BY: FABA
EROSION CONTROL BLANKET DETAIL

SILT FENCE NOTES:

- SILT FENCE SHALL BE PRE-FABRICATED EROSION CONTROL FENCE BY MIRAFI OR APPROVED EQUAL.
- INSTALL WHERE SHOWN ON PLANS. THE FENCE SHALL BE INSTALLED PARALLEL TO CONTOURS WHERE POSSIBLE. THE ENDS OF THE FENCE SHOULD BE CURVED UPHILL TO PREVENT FLOW AROUND THE ENDS.
- SECTIONS OF THE SILT FENCE SHALL BE JOINED TO OVERLAP BY FOLDING FABRIC AROUND EACH POST ONE FULL TURN. DRIVE POSTS TIGHTLY TOGETHER AND SECURE TOPS OF POSTS BY TYING OFF WITH CORD OR WIRE TO PREVENT FLOW-THROUGH OR BUILT-UP SEDIMENT AT JOINT.
- INSPECT ALL SILT FENCE AT LEAST ONCE A WEEK AND WITHIN 24 HOURS AFTER EACH RAINFALL. MAINTENANCE SHALL BE PERFORMED AS NEEDED, AND SEDIMENT REMOVED WHEN SEDIMENT REACHES 1/3 HEIGHT OF SILT FENCE.
- UPON FINAL STABILIZATION OF THE AREA UPHILL OF THE FABRIC, THE FABRIC SHALL BE REMOVED WITH THE APPROVAL OF THE ENGINEER.

TOWN OF WILLISTON
PUBLIC WORKS DEPARTMENT
SCALE: NTS
DATE: APRIL 2010
DRAWING # F-1
DRAWN BY: FABA
TEMPORARY SILT FENCE DETAIL

TREE PROTECTION DETAIL

TOWN OF WILLISTON
PUBLIC WORKS DEPARTMENT
SCALE: NTS
DATE: APRIL 2010
DRAWING # C-1
DRAWN BY: FABA

NOTES:

- DURING CONSTRUCTION, WATER SHALL BE PROVIDED TO IMPACTED TREES AT A MINIMUM OF 1 INCH OF WATER PER WEEK OVER THE TREES ENTIRE DRIP LINE AREA OR AS DIRECTED BY THE ENGINEER.
- TREE ROOT FERTILIZER SHALL BE APPLIED AT FREQUENCIES AS DIRECT BY A QUALIFIED FORESTER.

STABILIZED CONSTRUCTION ENTRANCE NOTES:

- LENGTH (L) SHALL BE 40' MINIMUM WHERE SUFFICIENT SPACE IS AVAILABLE.
- WIDTH (W) SHALL NOT BE LESS THAN 24'.
- WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE, WHICH DRAINS INTO APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE THROUGH USE OF METHODS AS APPROVED BY THE ENGINEER.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, OR WASHED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.

TOWN OF WILLISTON
PUBLIC WORKS DEPARTMENT
SCALE: NTS
DATE: APRIL 2010
DRAWING # F-4
DRAWN BY: FABA
STABILIZED CONSTRUCTION ENTRANCE DETAIL

NOTES:

- NO MECHANICAL TAMPERS SHALL BE USED DIRECTLY OVER PVC PIPE TO ENSURE PIPE IS NOT DAMAGED.
- BEDDING TO PROVIDE A FIRM, STABLE, CONTINUOUS AND UNIFORM SUPPORT FOR THE FULL LENGTH OF PIPE.
- FOR INITIAL BACKFILL, CONTRACTOR CAN USE 3/4" CRUSHED STONE OR SAND BORROW.

TOWN OF WILLISTON
PUBLIC WORKS DEPARTMENT
SCALE: NTS
DATE: APRIL 2010
DRAWING # D-1
DRAWN BY: FABA
STORM PIPE TRENCH DETAIL

NOTES:

- PROVIDE MINIMUM 10' WIDTH OF RIP-RAP OR DIA. X5 WHICHEVER IS GREATER.

ADVANCED DRAINAGE SYSTEMS, Inc. FLARED END SECTIONS, OR EQUAL						
PART#	PIPE SIZE	A	B (MAX)	H	L	W
1210NP	12 in. (300 mm)	6.5 in. (165 mm)	10.0 in. (254 mm)	6.5 in. (165 mm)	25.0 in. (635 mm)	28.0 in. (717 mm)
1510NP	15 in. (375 mm)	6.5 in. (165 mm)	10.0 in. (254 mm)	6.5 in. (165 mm)	25.0 in. (635 mm)	29.0 in. (737 mm)
1810NP	18 in. (450 mm)	7.5 in. (191 mm)	15.0 in. (381 mm)	6.5 in. (165 mm)	32 in. (813 mm)	35.0 in. (889 mm)
2410NP	24 in. (600 mm)	7.5 in. (191 mm)	18.0 in. (457 mm)	6.5 in. (165 mm)	36 in. (914 mm)	45.0 in. (1143 mm)
3015NP	30 in. (750 mm)	7.5 in. (191 mm)	12.0 in. (305 mm)	8.6 in. (218 mm)	58.0 in. (1473 mm)	63.0 in. (1600 mm)
3615NP	36 in. (900 mm)	7.5 in. (191 mm)	25.0 in. (635 mm)	8.6 in. (218 mm)	58.0 in. (1473 mm)	63.0 in. (1600 mm)

TOWN OF WILLISTON
PUBLIC WORKS DEPARTMENT
SCALE: NTS
DATE: APRIL 2010
DRAWING # D-5
DRAWN BY: FABA
STORM SEWER OUTFALL DETAIL

UPON FINDING THAT THE FINAL PLANS COMPLIED WITH ALL REQUIREMENTS OF THE WILLISTON DEVELOPMENT BYLAW AND ALL CONDITIONS IMPOSED ON THE APPROVAL OF DISCRETIONARY PERMIT DP 16-SZ, WHICH WAS APPROVED BY THE DEVELOPMENT REVIEW BOARD ON FEBRUARY 28, 2017, THE ADMINISTRATOR / DRB APPROVED THE FINAL PLANS FOR OLD STAGE ESTATES ON THE 17th DAY OF APRIL, 2017.

K. Belli
DEVELOPMENT REVIEW BOARD CHAIR / ADMINISTRATOR'S SIGNATURE

Date	Revision	By

These plans shall only be used for the purpose shown below:

<input type="checkbox"/> Sketch/Concept	<input type="checkbox"/> Act 250 Review
<input type="checkbox"/> Preliminary	<input type="checkbox"/> Construction
<input checked="" type="checkbox"/> Final	<input type="checkbox"/> Record Drawing

Project No. 14065
Survey L&D
Design AR
Drawn L&D
Checked DG
Date 2-23-16
Scale AS NOTED
Sheet number 5

Old Stage Estates Neighborhood Stormwater Improvement Project
Southfield Drive Williston, VT

Typical Details & Specifications
Erosion Prevention & Sediment Control

Lamoureux & Dickinson
Consulting Engineers, Inc.
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TAX PARCEL: COM.049.b DP #16 - 27

