N

n/f
Providence and Worcester Railroad Company

20' WIDE PERMANENT EASEMENT

CLASP POLE LINE EASEMENT

EXISTING UTILITY EASEMENT IN FAVOR OF THE TOWN OF KILLINGLY

"OLD TROLLEY ROAD"

UPPER MAPLE STREET

LAKE ROAD

SIGN LEGEND

STOP

7 Parking Spaces

Paved Area

sidewalk

Graveled Area

Overhead doors

AREA = 5.25 ACRES

50'

220'

Vegetaed Berm

n/f
Anselmo A. Toni
&
Anselmo K. Toni

n/f
Paul F. Pockowski, Jr.

n/f
Paul J. Gazzola
Mary Gazzola
&
Ida Gazzola

Existing Curb Cut

n/f
Robert Bouthillier
&
Mary Jane Bouthillier

n/f
Town of Killingly

n/f
Albina A. Provencal Est.

429 Lake Rd
Killingly, CT

LAYOUT & LANDSCAPING PLAN

PREPARED FOR

SPIROL INTERNATIONAL CORPORATION

LAKE ROAD
KILLINGLY, CONNECTICUT

REVISIONS	
DATE	DESCRIPTION
2/29/2000	OFFICE ADDITION
3/21/2000	TOWN COMMENTS
4/04/2000	SITE LAYOUT
4/05/2000	SITE LAYOUT

DATE: 3/04/2000 DRAWN: AMR
SCALE: 1" = 30' CHK BY: DD

Provost Rovero Fitzback
Architecture Engineering Surveying

1989-20

WESTVIEW CHILD DAY CARE CENTER

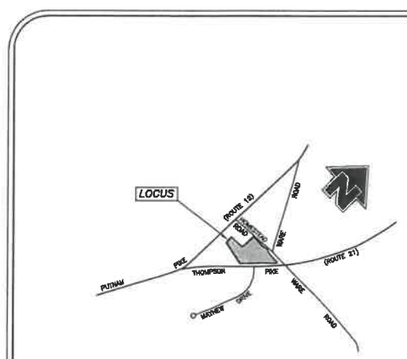
39 THOMPSON PIKE (ROUTE 21) & 137 WARE ROAD
KILLINGLY, CONNECTICUT

PREPARED FOR:

WESTVIEW LAND COMPANY

LEGEND

o	IRON PIN FOUND
⊗ DH	DRILL HOLE FOUND
LP	LIGHT POLE
UP	UTILITY POLE
WG	WATER GATE
CB	CATCH BASIN
MH	MANHOLE
SMH	SANITARY SEWER MANHOLE
PTH	PERCOLATION TEST HOLE
TH	TEST HOLE
100	EXISTING CONTOURS
100	PROPOSED CONTOURS
	INLAND WETLANDS FLAG
	BUILDING SETBACK LINE
W	WATER LINE
	STONE WALL
	SILT FENCE



LOCATION MAP
SCALE: 1" = 1000'

INDEX TO DRAWINGS

FOR REVIEW ONLY
NOT FOR CONSTRUCTION

BEFORE YOU DIG
CALL BEFORE YOU DIG
AT LEAST TWO FULL BUSINESS DAYS
BEFORE DIGGING OR DISTURBING EARTH
DIAL 811 OR 1-800-922-4455

APPROVED BY THE TOWN OF
KILLINGLY INLAND WETLANDS COMMISSION

CHAIRMAN DATE

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APPROVED BY THE TOWN OF
KILLINGLY PLANNING AND ZONING COMMISSION

Special Permit No: _____
Applicant: _____
Date Approved: _____
Chairman: _____
Date: _____

PREPARED BY:

REVISIONS	
DATE	DESCRIPTION
10/21/2020	ADDED EXIST. & PROP. DRIVE CULVERT
10/29/2020	SIGNAGE PER CTDOT COMMENTS
11/02/2020	PER ENGINEERING REVIEW

Killingly Engineering Associates
Civil Engineering & Surveying
114 Westcott Road
P.O. Box 421
Killingly, Connecticut 06241
(860) 779-7299
www.killinglyengineering.com

July 2020

NORMAND THIBEAULT, JR., P.E. No. 22834 DATE

SHEET 1 OF 8
JOB NO: 20013

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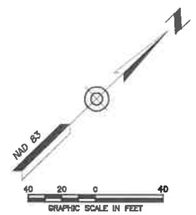
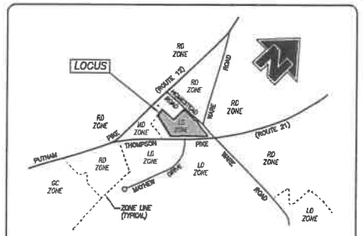
#21-1255 + (21-1256)

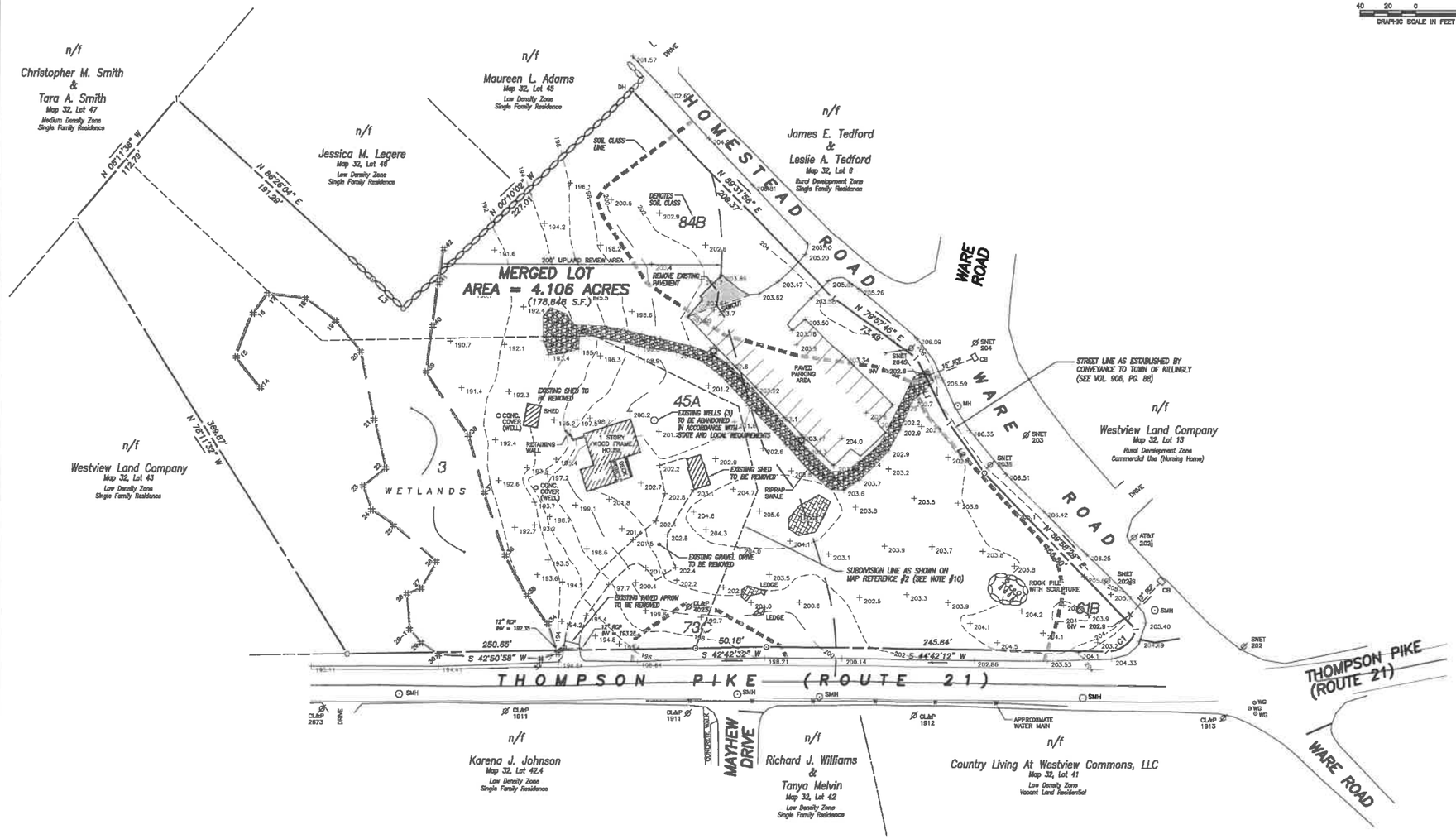
LINE DATA		
L1	S 73°11'51" E	52.96'
L2	S 81°39'59" E	44.19'
L3	N 87°49'00" E	30.68'

CURVE DATA	
C1	
R	= 20.20'
D	= 78°49'27"
L	= 27.79'
CH	= S 05°17'28" W
	25.65'





LOCATION MAP
SCALE: 1" = 1000'



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APPROVED BY THE TOWN OF KILLINGLY PLANNING AND ZONING COMMISSION

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Applicant: _____
Date Approved: _____
Chairman: _____
Date: _____

LEGEND

- IRON PIN FOUND
- DH DRILL HOLE FOUND
- LP LIGHT POLE
- UTILITY POLE
- WG WATER GATE
- CB CATCH BASIN
- MH MANHOLE
- SMH SANITARY SEWER MANHOLE
- 100 EXISTING CONTOURS
- INLAND WETLANDS FLAG
- W WATER LINE
- STONE WALL

I HAVE REVIEWED THE FLAGGED INLAND WETLANDS LOCATION SHOWN ON THIS PLAN AND THEY APPEAR TO BE SUBSTANTIALLY CORRECT.

Certified Soil Scientist Date

NOTES:

1. This survey has been prepared pursuant to the Regulations of Connecticut State Agencies Sections 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut" as adopted by the Connecticut Association of Land Surveyors, Inc. on September 26, 1996;
   - This survey conforms to a Class "A-2" horizontal accuracy.
   - Topographic features conform to a Class "T-2", "V-2" vertical accuracy.
   - Survey Type: Improvement Location Survey.
   - Boundary Determination Category: Dependent Resurvey.
2. Zone = LD.
3. Owner of record: Westview Land Company
   150 Ware Road, Killingly, CT 06241
   See Volume 1106, Page 285
4. Parcel is shown as Lots #44 & 44.1 on Assessors Map #32.
5. North orientation, bearings and coordinate values shown are based on North American Datum of 1983 (NAD 83) and are taken from GPS observations.
6. Elevations shown are based on North American Vertical Datum of 1988 (NAVD 88). Contours taken from actual field survey. Contour Interval = 2'.
7. Parcel lies within Flood Hazard Zone 'C' (areas of minimal flooding) as shown on FIRM Map #090136 Panel 0008B Effective Date: January 3, 1985.
8. Wetlands shown were delineated in the field by Joseph Theroux, Certified Soil Scientist, in December 2019.
9. Before any construction is to commence, contractor shall contact "CALL BEFORE YOU DIG" at 1-800-922-4455 or 811.
10. Lots 44 & 44.1 were created by Subdivision in 2007. Both lots were conveyed to Westview Land Company in one deed without an updated legal description. Prior to recording mylars, Lots shall be merged into one undivided lot with an updated legal description.

MAP REFERENCES:

1. "Subdivision Plan - Prepared for - David E. Nichols - Connecticut Routes 12 and 21 - Killingly, Connecticut - Scale: 1" = 40' Date: 04/99 - Revised to: 12/17/99 - Sheet 1 of 14 - Prepared by: Messier & Associates, Inc." On file in the Killingly Land Records as Map #HF277A.
2. "Subdivision Plan - Prepared for - Charles W. Ward - #39 Thompson Pike (Route #21) - Killingly, Connecticut - Scale: 1" = 30' - Date: 12/22/2006 - Revised to: 1/24/2007 - Sheet 3 of 5 - Prepared by: CME Associates, Inc." On file in the Killingly Land Records as Map #5905.
3. "Proposed Parking Lot - Prepared for - Westview Land Company Homestead Road & Ware Road - Killingly, Connecticut - Scale: 1" = 30' - Date: 8/22/2018 - Revised to: 10/25/2017 - Sheet: 1 of 2 - Prepared by: Provost & Rovero, Inc." On file in the Killingly Land Records as Map #6940.

DATE	DESCRIPTION
11/02/2020	PER ENGINEERING REVIEW
10/29/2020	SIGNAGE PER CTDOT COMMENTS
10/21/2020	ADDED EXISTING & PROPOSED DRIVEWAY CULVERT

REVISIONS

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

GREG A. GLAUDE, L.S. LIC. NO. 70191 DATE

NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS MAP BEARS THE ORIGINAL SEAL AND SIGNATURE OF THE LAND SURVEYOR.

IMPROVEMENT LOCATION SURVEY
EXISTING CONDITIONS / DEMOLITION PLAN
PREPARED FOR

WESTVIEW LAND COMPANY

39 THOMPSON PIKE (ROUTE 21) & 137 WARE ROAD
KILLINGLY, CONNECTICUT

Killingly Engineering Associates
Civil Engineering & Surveying
114 Westcott Road
P.O. Box 421
Killingly, Connecticut 06241
(860) 779-7299
www.killinglyengineering.com

DATE: 7/16/2020	DRAWN: AMR
SCALE: 1" = 40'	DESIGN: ----
SHEET: 2 OF 8	CHK BY: ----
DWG. No: CLIENT FILE	JOB No: 20013

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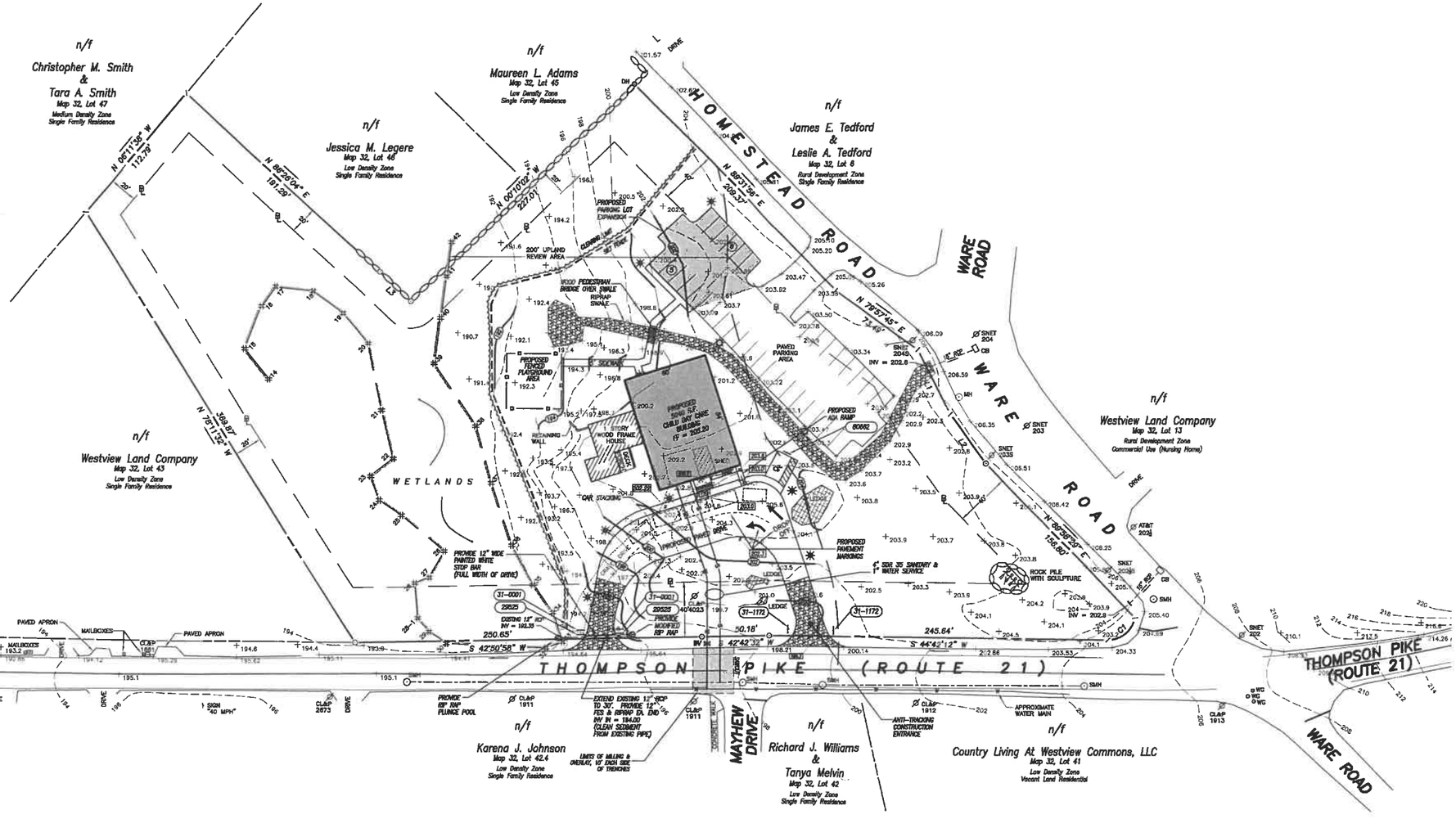

LINE DATA		
L1	S 73°11'51" E	52.96'
L2	S 81°39'59" E	44.19'
L3	N 67°49'00" E	30.88'

CURVE DATA
C1
R = 23.20'
D = 78°49'27"
L = 27.79'
CH = S 05°17'28" W
25.65'

PARKING CALCULATIONS

DAY CARE FACILITY
1 SPACE PER EVERY 500 S.F. OF GROSS FLOOR AREA
5040 SF GFA / 500 = 11 SPACES

TOTAL REQUIRED = 11 SPACES
TOTAL PROVIDED = 11 SPACES

HANDICAPPED SPACES REQUIRED = 1 (VAN ACCESSIBLE)
HANDICAPPED SPACES PROVIDED = 1 (VAN ACCESSIBLE)

TABLE OF ZONING REQUIREMENTS

ZONE = LOW DENSITY

	REQUIRED	PROVIDED
Lot Area	30,000 s.f.	178,848
Lot frontage	100'	1,111.07'
Front Yard Setback	40'	62.6'
Side Yard Setback	20'	266'
Rear Yard Setback	20'	150'
Building Height	35' Max.	26'
Lot Coverage	20% Max.	14.5%

DATE	DESCRIPTION
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10/21/2020	ADDED EXISTING & PROPOSED DRIVEWAY CULVERT

REVISIONS

LEGEND

- IRON PIN FOUND
- DRILL HOLE FOUND
- LIGHT POLE
- UTILITY POLE
- WATER GATE
- CATCH BASIN
- MANHOLE
- SANITARY SEWER MANHOLE
- PERCOLATION TEST HOLE
- TEST HOLE
- EXISTING CONTOURS
- PROPOSED CONTOURS
- INLAND WETLANDS FLAG
- BUILDING SETBACK LINE
- WATER LINE
- STONE WALL
- SILT FENCE

SIGN LEGEND

31-1172	"ONE WAY"
31-0001	30" STOP SIGN
29525	"DO NOT ENTER"
80662	HANDICAPPED PARKING

REFER TO SHEET 7 OF 8

APPROVED BY THE TOWN OF KILLINGLY INLAND WETLANDS COMMISSION

CHAIRMAN DATE

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BEFORE YOU DIG CALL BEFORE YOU DIG

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DIAL 811 OR 1-800-922-4455

APPROVED BY THE TOWN OF KILLINGLY PLANNING AND ZONING COMMISSION

Special Permit No: _____
Applicant: _____
Date Approved: _____
Chairman: _____
Date: _____

I HAVE REVIEWED THE FLAGGED INLAND WETLANDS LOCATION SHOWN ON THIS PLAN AND THEY APPEAR TO BE SUBSTANTIALLY CORRECT.

Certified Soil Scientist Date

NORMAND THIBEAULT, JR., P.E. No. 22834 DATE

SITE DEVELOPMENT PLAN

PREPARED FOR

WESTVIEW LAND COMPANY

39 THOMPSON PIKE (ROUTE 21) & 137 WARE ROAD
KILLINGLY, CONNECTICUT

Killingly Engineering Associates
Civil Engineering & Surveying
114 Westcott Road
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www.killinglyengineering.com

DATE: 7/16/2020	DRAWN: AMR
SCALE: 1" = 40'	DESIGN: NET
SHEET: 3 OF 8	CHK BY: -----
DWG. No: CLIENT FILE	JOB No: 20013

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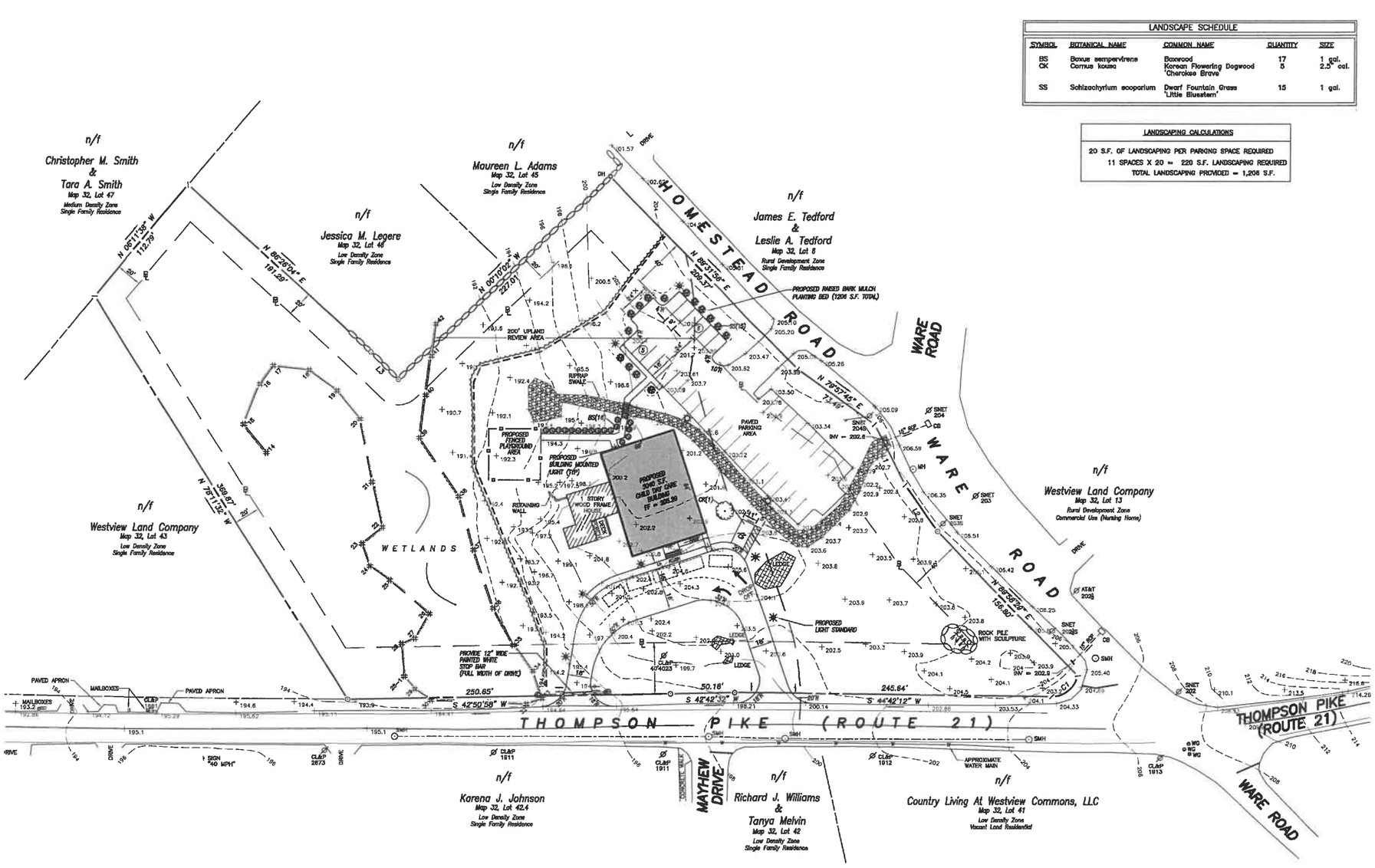

LANDSCAPE SCHEDULE				
SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE
BS	Buxus sempervirens	Boxwood	17	1 gal.
CK	Cornus kousa	Korean Flowering Dogwood 'Cherokee Brave'	5	2.5" cal.
SS	Schizachyrium scoparium	Dwarf Fountain Grass 'Little Bluestem'	15	1 gal.

LANDSCAPING CALCULATIONS
20 S.F. OF LANDSCAPING PER PARKING SPACE REQUIRED
11 SPACES X 20 = 220 S.F. LANDSCAPING REQUIRED
TOTAL LANDSCAPING PROVIDED = 1,206 S.F.

LINE DATA		
L1	S 73°11'51" E	52.96'
L2	S 81°39'59" E	44.19'
L3	N 87°49'00" E	30.68'

CURVE DATA
C1
R = 20.20'
D = 78°49'27"
L = 27.79'
CH = S 05°17'28" W
25.65'

LIGHTING LEGEND

- EXISTING LIGHT STANDARD
- PROPOSED 175 WATT WALL PACK BUILDING MOUNTED LIGHT
- PROPOSED LIGHT POLE

LEGEND

- IRON PIN FOUND
- DRILL HOLE FOUND
- LIGHT POLE
- UTILITY POLE
- WATER GATE
- CATCH BASIN
- MANHOLE
- SANITARY SEWER MANHOLE
- PERCOLATION TEST HOLE
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Certified Soil Scientist Date

NORMAND THIBEAULT, JR., P.E. No. 22834 DATE

DATE	DESCRIPTION
11/02/2020	PER ENGINEERING REVIEW
10/29/2020	SIGNAGE PER CTDOT COMMENTS
10/21/2020	ADDED EXISTING & PROPOSED DRIVEWAY CULVERT

REVISIONS

LAYOUT, LIGHTING & LANDSCAPING PLAN

PREPARED FOR

WESTVIEW LAND COMPANY

39 THOMPSON PIKE (ROUTE 21) & 137 WARE ROAD
KILLINGLY, CONNECTICUT

Killingly Engineering Associates
Civil Engineering & Surveying
114 Westcott Road
P.O. Box 421
Killingly, Connecticut 06241
(860) 779-7299
www.killinglyengineering.com

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SCALE: 1" = 40'	DESIGN: NET
SHEET: 4 OF 8	CHK BY: ----
DWG. No: CLIENT FILE	JOB No: 20013

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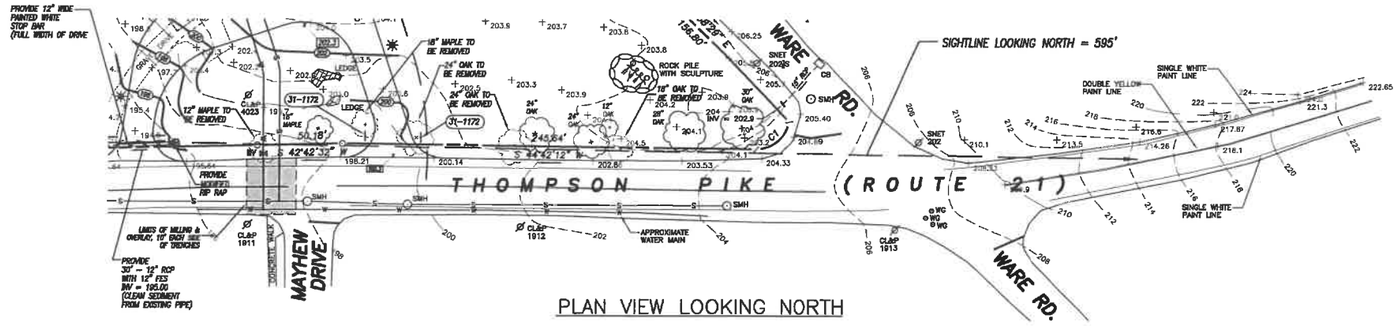
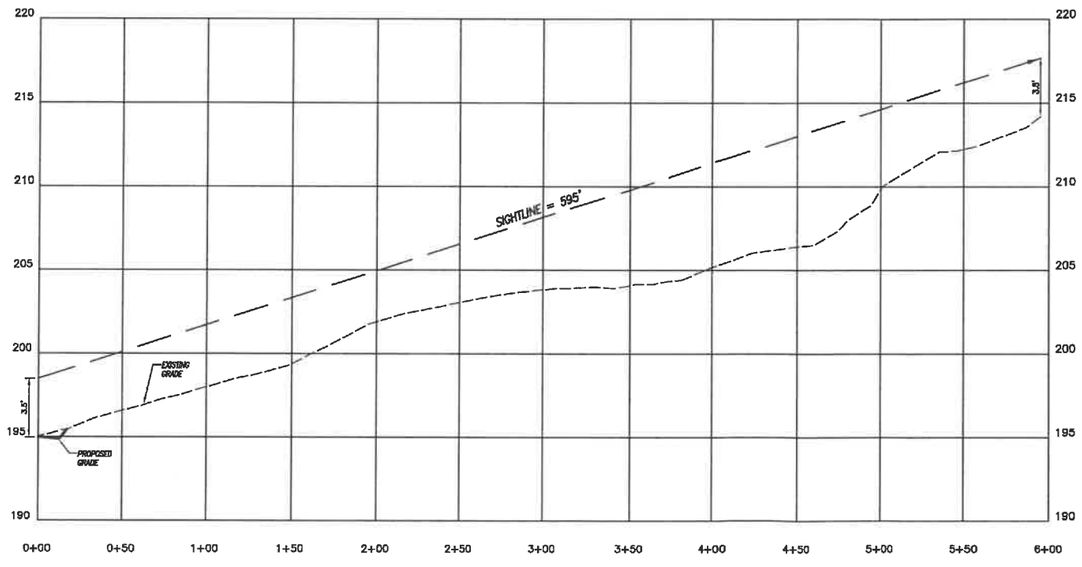
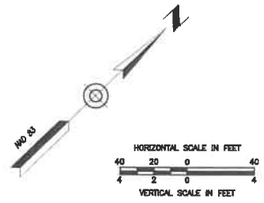


PLAN VIEW LOOKING NORTH



PROFILE LOOKING NORTH



DATE	DESCRIPTION
	REVISIONS
11/23/2020	PER ENGINEERING REVIEW
10/29/2020	SIGNAGE PER CTDOT COMMENTS
10/21/2020	ADDED EXISTING & PROPOSED DRIVEWAY CURRENT

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Date Approved: _____
Chairman: _____
Date: _____

NORMAND THIBEAULT, JR., P.E. No. 22834 DATE

SIGHTLINE DEMONSTRATION PLAN
LOOKING NORTH
PREPARED FOR

WESTVIEW LAND COMPANY

39 THOMPSON PIKE (ROUTE 21) & 137 WARE ROAD
KILLINGLY, CONNECTICUT

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DATE: 7/16/2020	DRAWN: AMR
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SHEET: 5 OF 8	CHK BY: ----
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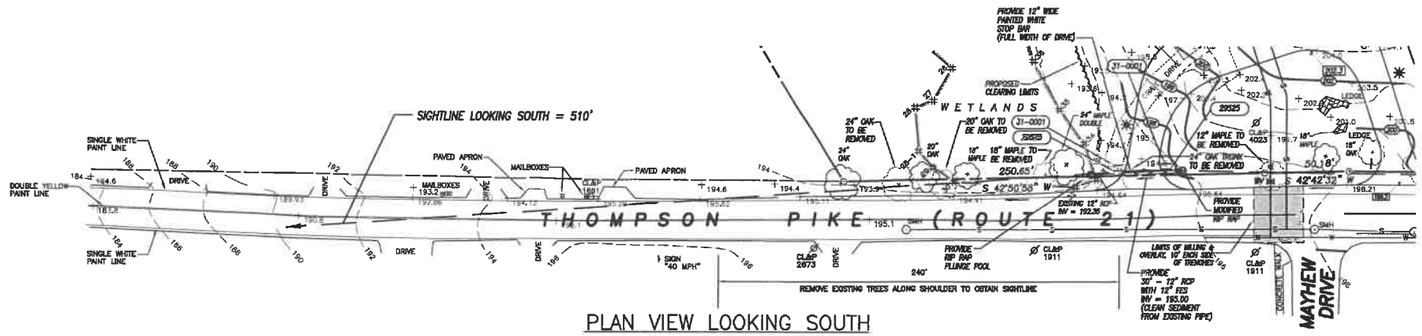
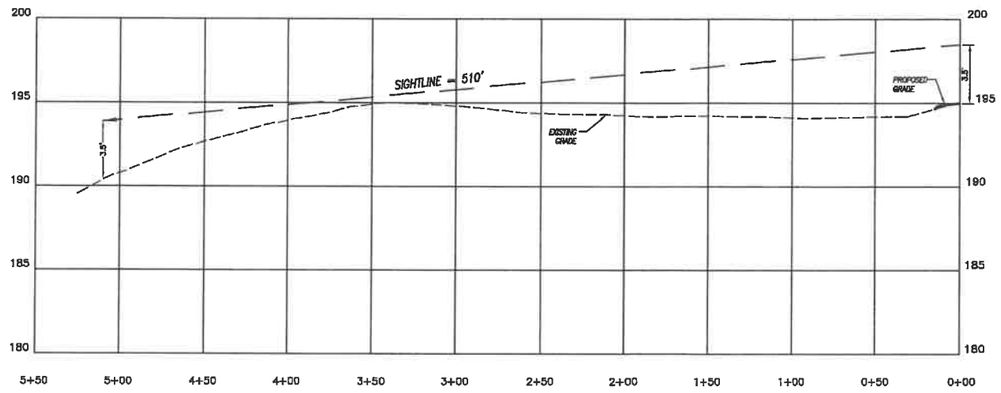
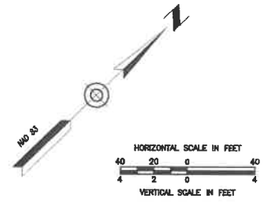


PLAN VIEW LOOKING SOUTH



PROFILE LOOKING SOUTH



11/02/2020	PER ENGINEERING REVIEW
10/29/2020	SIGNAGE PER CTDOT COMMENTS
10/21/2020	ADDED EXISTING & PROPOSED DRIVEWAY CULVERT
DATE	DESCRIPTION

REVISIONS

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APPROVED BY THE TOWN OF KILLINGLY PLANNING AND ZONING COMMISSION

Special Permit No: _____

Applicant: _____

Date Approved: _____

Chairman: _____

Date: _____

NORMAND THIBEAULT, JR., P.E. No. 22834 DATE

SIGHTLINE DEMONSTRATION PLAN
LOOKING SOUTH
PREPARED FOR

WESTVIEW LAND COMPANY

39 THOMPSON PIKE (ROUTE 21) & 137 WARE ROAD
KILLINGLY, CONNECTICUT

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DATE: 7/16/2020	DRAWN: AMR
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SHEET: 6 OF 8	CHK BY: -----
DWG. No: CLIENT FILE	JOB No: 20013

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EROSION AND SEDIMENT CONTROL PLAN:

REFERENCE IS MADE TO:

1. Connecticut Guidelines for Soil Erosion and Sediment Control 2002 (2002 Guidelines).
2. U.S.D.A. N.R.C.S. Web Soil Survey.

SOILS:

The proposed site is comprised mainly of five soil types; Ridgebury, Leicester, and Whitman (3), Woodbridge (45A), Canton and Charlton (61B), Charlton–Chatfield (73C) and Paxton and Montauk (84B).

3 Ridgebury, Leicester, and Whitman soils, extremely stony.

Included with this soil in mapping are areas of moderately well drained Sutton and Woodbridge soils that are slightly higher on the landscape. Sutton soils lack the dense substratum that Woodbridge soils have. Also included are a few non–stony surface soils, small areas of soils subject to flooding, small areas with steeper slopes, and areas with silt loam surface and subsoil textures. Minor components make up about 10 percent of the map unit.
Slope: nearly level to gently sloping
Landscape: depressions on uplands, drainageways on uplands
Surface cover: 3 to 14 percent stones
Size of map unit: Areas commonly range from 3 to 150 acres.

45A Woodbridge fine sandy loam, 0 to 3 percent slopes

Included with this soil in mapping are areas of well drained Paxton and Montauk soils that are higher on the landscape. Also included are areas of poorly drained Ridgebury soils and very poorly drained Whitman soils in depressions and along drainageways. Moderately well drained Sutton soils are included in areas lacking a dense substratum. Poorly drained Leicester soils are in depressions and lack a dense substratum. In Fairfield and Litchfield counties where the soil is less acid and lacks a dense substratum, some areas of well drained Stockbridge soils and moderately well drained Georgia soils are included. A few areas in New London County include a loamy sand substratum. Minor components make up about 20 percent of the map unit.

61B Canton and Charlton soils, 3 to 8 percent slopes, very stony

Included with these soils in mapping are areas of moderately well drained Sutton soils in slight depressions on the landscape, and poorly drained Leicester soils in depressions and drainageways. Also included are areas of moderately deep, somewhat excessively drained and well drained Chatfield soils where bedrock is 20 to 40 inches below the surface. Shallow, somewhat excessively drained and well drained Hollis soils are in small areas where bedrock is 10 to 20 inches below the surface. A few areas in Litchfield County include soils with a silt loam surface and subsoil. Minor inclusions make up about 20 percent of the map unit.
Slope: gently sloping
Landscape: hills on uplands
Surface cover: 0 to 3 percent stones
Size of map unit: Areas commonly range from 3 to 100 acres

73C Charlton–Chatfield complex, 3 to 15 percent slopes,very rocky.

Included with these soils in mapping are areas of moderately well drained Sutton soils and poorly drained Leicester soils. Sutton soils are in slight depressions in the landscape; Leicester soils are in depressions and drainageways. Also included are small areas of shallow, somewhat excessively drained Hollis soils where bedrock is 10 to 20 inches below the surface. A few areas in Litchfield County have a yellowish red surface layer and subsoil. Other areas in Litchfield County include sandier soils over bedrock. Minor components make up about 25 percent of the map unit.
Slope: gently sloping to strongly sloping
Landscape: bedrock–controlled hills, bedrock–controlled uplands
Surface cover: 0 to 3 percent stones
Size of map unit: Areas commonly range from 3 to 500 acres.

84B Paxton and Montauk fine sandy loams, 3 to 8 percent slopes
Included with these soils in mapping are areas of moderately well drained Woodbridge soils in slight depressions on the landscape. Also included are poorly drained Ridgebury soils in depressions and along drainageways. Well drained Canton and Charlton soils are included in areas lacking a dense substratum. Well drained Stockbridge soils are included in areas of Litchfield and Fairfield counties with carbonates below 40 inches. Also included are areas of nearly level soils and soils with a stony surface. A few areas in Hartford, Middlesex, and New Haven counties include soils with a red substratum. Minor components make up about 15 percent of the map unit.

DEVELOPMENT CONTROL PLAN:

1. Development of the site will be performed by the Contractor, who will be responsible for the installation and maintenance of erosion and sediment control measures required throughout construction.
2. The sedimentation control mechanisms shall remain in place from start of construction until permanent vegetation has been established. The representative for the Town of Killingly will be notified when sediment and erosion control structures are initially in place. Any additional soil & erosion control measures requested by the Town or its agent, shall be installed immediately. Once the proposed development, seeding and planting have been completed, the representative shall again be notified to inspect the site. The control measures will not be removed until this inspection is complete.
3. All stripping is to be confined to the immediate construction area. Topsoil shall be stockpiled so that slopes do not exceed 2 to 1. A hay bale sediment barrier is to surround each stockpile and a temporary vegetative cover shall be provided.
4. Dust control will be accomplished by spraying with water. The application of calcium chloride is not permitted adjacent to wetland resource areas or within 100' of these areas.
5. The proposed planting schedule is to be adhered to during the planting of disturbed areas throughout the proposed construction site.
6. Final stabilization of the site is to follow the procedures outlined in "Permanent Vegetative Cover". If necessary a temporary vegetative cover is to be provided until a permanent cover can be applied.

SILT FENCE INSTALLATION AND MAINTENANCE:

1. Dig a 6" deep trench on the uphill side of the barrier location.
2. Position the posts on the downhill side of the barrier and drive the posts 1.5 feet into the ground.
3. Lay the bottom 6" of the fabric in the trench to prevent undermining and backfill.
4. Inspect and repair barrier after heavy rainfall.
5. Inspections will be made at least once per week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater to determine maintenance needs.
6. Sediment deposits are to be removed when they reach a height of 1 foot behind the barrier or half the height of the barrier and are to be deposited in an area which is not regulated by the inland wetlands commission.
7. Replace or repair the fence within 24 hours of observed failure. Failure of the fence has occurred when sediment fails to be retained by the fence because:
– the fence has been overtopped, undercut or bypassed by runoff water,
– the fence has been moved out of position (knocked over), or
– the geotextile has decomposed or been damaged.

HAY BALE INSTALLATION AND MAINTENANCE:

1. Bales shall be placed as shown on the plans with the ends of the bales tightly abutting each other.
2. Each bale shall be securely anchored with at least 2 stakes and gaps between bales shall be wedged with straw to prevent water from passing between the bales.
3. Inspect bales at least once per week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inches or greater to determine maintenance needs.
4. Remove sediment behind the bales when it reaches half the height of the bale and deposit in an area which is not regulated by the Inland Wetlands Commission.
5. Replace or repair the barrier within 24 hours of observed failure. Failure of the barrier has occurred when sediment fails to be retained by the barrier because:
– the barrier has been overtopped, undercut or bypassed by runoff water,
– the barrier has been moved out of position, or
– the hay bales have deteriorated or been damaged.

TEMPORARY VEGETATIVE COVER:

SEED SELECTION

Grass species shall be appropriate for the season and site conditions. Appropriate species are outlined in Figure TS–2 in the 2002 Guidelines.

TIMING CONSIDERATIONS

Seed with a temporary seed mixture within 7 days after the suspension of grading work in disturbed areas where the suspension of work is expected to be more than 30 days but less than 1 year.

SITE PREPARATION

Install needed erosion control measures such as diversions, grade stabilization structures, sediment basins and grassed waterways.

Grade according to plans and allow for the use of appropriate equipment for seedbed preparation, seeding, mulch application, and mulch anchoring.

SEEDBED PREPARATION

Loosen the soil to a depth of 3–4 inches with a slightly roughened surface. If the area has been recently loosened or disturbed, no further roughening is required. Soil preparation can be accomplished by tracking with a bulldozer, discing, harrowing, raking or dragging with a section of chain link fence. Avoid excessive compaction of the surface by equipment traveling back and forth over the surface. If the slope is tracked, the cleat marks shall be perpendicular to the anticipated direction of the flow of surface water.

If soil testing is not practical or feasible on small or variable sites, or where timing is critical, fertilizer may be applied at the rate of 300 pounds per acre or 7.5 pounds per 1,000 square feet of 10–10–10 or equivalent. Additionally, lime may be applied using rates given in Figure TS–1 in the 2002 Guidelines.

SEEDING

Apply seed uniformly by hand cyclone seeder, drill, cultipacker type seeder or hydroseeder at a minimum rate for the selected species. Increase seeding rates by 10% when hydroseeding.

MULCHING

Temporary seedings made during optimum seeding dates shall be mulched according to the recommendations in the 2002 Guidelines. When seeding outside of the recommended dates, increase the application of mulch to provide 85%–100% coverage.

MAINTENANCE

Inspect seeded area at least once a week and within 24 hours of the end of a storm with a rainfall amount of 0.5 inch or greater for seed and mulch movement and rill erosion.

Where seed has moved or where soil erosion has occurred, determine the cause of the failure. Repair eroded areas and install additional controls if required to prevent reoccurrence of erosion.

Continue inspections until the grasses are firmly established. Grasses shall not be considered established until a ground cover is achieved which is mature enough to control soil erosion and to survive severe weather conditions (approximately 80% vegetative cover).

PERMANENT VEGETATIVE COVER:

Refer to Permanent Seeding Measure in the 2002 Guidelines for specific applications and details related to the installation and maintenance of a permanent vegetative cover. In general, the following sequence of operations shall apply:

1. Topsoil will be replaced once the excavation and grading has been completed. Topsoil will be spread at a minimum compacted depth of 4".
2. Once the topsoil has been spread, all stones 2" or larger in any dimension will be removed as well as debris.
3. Apply agricultural ground limestone at a rate of 2 tons per acre or 100 lbs. per 1000 s.f. Apply 10–10–10 fertilizer or equivalent at a rate of 300 lbs. per acre or 7.5 lbs. per 1000 s.f. Work lime and fertilizer into the soil to a depth of 4".
4. Inspect seedbed before seeding. If traffic has compacted the soil, retill compacted areas.
5. Apply the chosen grass seed mix. The recommended seeding dates are: April 1 to June 15 & August 15 – October 1.
6. Following seeding, firm seedbed with a roller. Mulch immediately following seeding. If a permanent vegetative stand cannot be established by September 30, apply a temporary cover on the topsoil such as netting, mat or organic mulch.

DEVELOPMENT SCHEDULE/SEQUENCE OF OPERATIONS:

1. Flag the limits of disturbance and schedule preconstruction meeting with Town of Killingly wetlands Agent.
2. Contact utility companies for scheduling installation of utilities and connections
3. Install the anti–tracking construction entrance.
4. Cut trees within the defined clearing limits and remove the cut wood.
5. Install perimeter erosion and sedimentation controls in accordance with the site development plan.
6. Chip brush and slash, stockpile chips for use on site or remove off site.
7. Box out driveway and stockpile topsoil in locations shown on the plans. Install erosion controls around stockpiles and apply temporary seeding.
8. Install and compact processed gravel for driveway base.
9. Remove tree stumps and dispose of at an approved disposal site. Alternatively, stumps may be chipped in place. No stumps shall be buried on site.
10. Strip and stockpile topsoil that is within the footprint of the site. Surround stockpile with silt fence or staked haybales, and apply temporary seeding in accordance with recommended mixtures. Divert runoff around the perimeter of the stockpile.
11. Make all required cuts and fills. Establish the subgrade for the driveway as required and install additional erosion controls as necessary and as shown on the plans.
12. Inspect perimeter erosion and sedimentation controls weekly and after rain events in excess of 0.5". Repair any damaged controls and provide additional erosion control devices as necessary to address areas of concentrated runoff that may develop as a result of the construction activities. The contractor shall review discharge conditions with the design engineer or the Town of Killingly prior to installing additional erosion controls. Apply water as necessary for dust control.
13. Install utilities to edge of right–of–way.
14. Prepare sub–base for driveway and remainder of the site for final grading.
15. Excavate for building footings, stockpile soil and pour footings & slab. Begin building construction.
16. Place topsoil where required and install any proposed landscaping upon completion of each building.
17. Install first course of pavement to each building as they are completed.
18. When the remainder of the site work is near completion, sweep all paved areas for the final course of paving. Inspect erosion controls and remove any accumulated sediment.
19. Install final course of pavement upon the completion of the final structure.
20. Fine grade, rake, seed and mulch to within 2' of the pavement.
21. Remove and dispose of all silt fence and hay bales after the site has been stabilized to the satisfaction of the Town of Killingly.

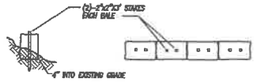
RESPONSIBLE PARTY FOR E&S MAINTENANCE:

David Pantelakos
Westview Healthcare Center
150 Ware Road
Killingly, CT 06241
(860) 377–6030

CONSTRUCTION NOTES/GENERAL PROVISIONS

1. The locations of existing utilities are based upon visible field observations, record mapping and interviews with the property owner and abutting property owners. They are is shown for informational purposes only. Contractor shall coordinate exploratory test hole excavation with the Engineer if necessary to verify and/or determine actual locations of some utilities & structures. It is the responsibility of the contractor to verify the location and elevation of all utilities. Contact "CALL BEFORE YOU DIG" at 1–800–922–4455, and obtain all applicable permits, prior to any excavation around utilities.
2. All existing site features not scheduled to remain shall be removed and disposed of in a proper manner, by the contractor.
3. All Materials and methods of construction shall conform to "State of Connecticut, Department of Transportation, Standard Specifications for Roads, Bridges and Incidental Construction, Form 817", and supplements thereto.
4. The Contractor shall obtain copies of all regulatory agency permits from the Owner prior to any site disturbance.
5. Unless otherwise noted on the plans, the contractor shall use the geometry provided on the construction plans. Benchmark information shall be provided to the contractor by the Owner or the Owner's surveyor. Any discrepancies between field measurements and construction plan information shall be brought to the attention of the Engineer or Surveyor immediately.
6. The Contractor shall not revise elevations or locations of items shown on the plans without written consent of the project Engineer or Surveyor.
7. The Contractor shall protect benchmarks, property corners, and other survey monuments from damage or displacement. If a marker needs to be removed, it shall be referenced by a licensed land surveyor and replaced as necessary by the same.
8. The Contractor shall be responsible for preparing and compacting base for proposed pavement. Owner shall provide general fill to establish subgrade – contractor shall spread and compact. Contractor shall provide, spread and compact required processed aggregate
9. The entire project site shall be thoroughly cleaned at the completion of the work. Clean all installed paved areas, accumulated silt and sediment, plus all adjacent areas affected by the construction activities as directed by the Owner or the Jurisdictional Agency.

ONE WAY SIGN DETAIL
NOT TO SCALE



HAYBALE BARRIER
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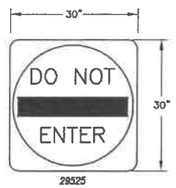
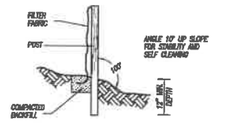
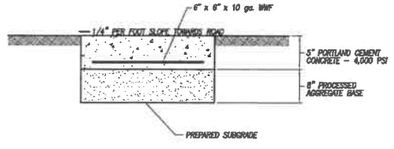


DO NOT ENTER SIGN
NOT TO SCALE



SILT FENCE
NOT TO SCALE

STOP SIGN
NOT TO SCALE



SECTION THRU CONCRETE SIDEWALK
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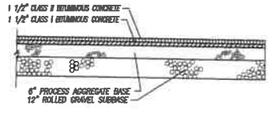

BITUMINOUS CONCRETE PAVEMENT
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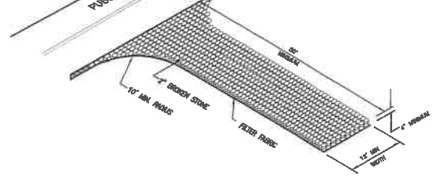
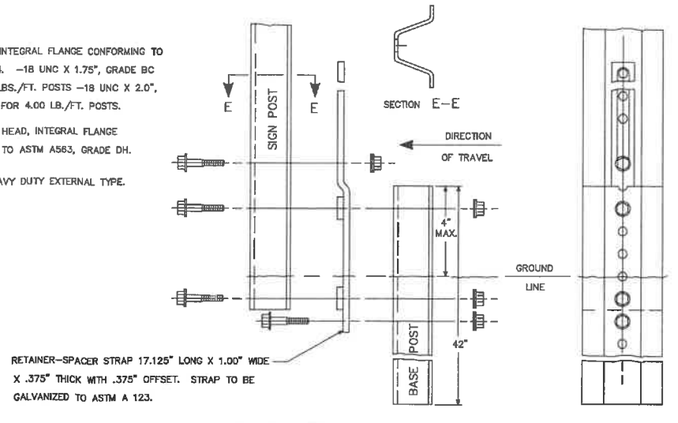


CONSTRUCTION ENTRANCE
NOT TO SCALE

BOLTS – HEX HEAD,INTEGRAL FLANGE CONFORMING TO ASTM A354. –18 UNC X 1.75", GRADE BC FOR 3.00 LBS./FT. POSTS –18 UNC X 2.0", GRADE BD FOR 4.00 LB./FT. POSTS.

NUTS –18 UNC HEX HEAD, INTEGRAL FLANGE CONFORMING TO ASTM A563, GRADE DH.

LOCKWASHERS – HEAVY DUTY EXTERNAL TYPE.



BREAKAWAY TYPE I INSTALLATION – FOR 3 & 4 LB. POSTS

APPROVED BY THE TOWN OF KILLINGLY INLAND WETLANDS COMMISSION

CHAIRMAN DATE

ANY CHANGES TO THESE PLANS WITHIN 200' OF WETLANDS OR WATERCOURSES MUST BE RESUBMITTED TO THE KILLINGLY INLAND WETLANDS AND WATERCOURSES COMMISSION FOR ITS APPROVAL.

THE APPLICANT WILL CONTACT THE KILLINGLY INLAND WETLANDS AND WATERCOURSES COMMISSION'S AGENT AFTER ALL EROSION AND SEDIMENT CONTROL MEASURES ARE INSTALLED, PRIOR TO ANY CONSTRUCTION OR EXCAVATION ON THE PROPERTY.

BEFORE YOU DIG
CALL BEFORE YOU DIG
AT LEAST TWO FULL BUSINESS DAYS BEFORE DIGGING OR DISTURBING EARTH
DIAL 811 OR 1-800-922-4455

APPROVED BY THE TOWN OF KILLINGLY PLANNING AND ZONING COMMISSION

Special Permit No: _____
Applicant: _____
Date Approved: _____
Chairman: _____
Date: _____

NORMAND THIBEAULT, JR., P.E. No. 22834 DATE

DATE	DESCRIPTION
	REVISIONS
11/02/2020	PER ENGINEERING REVIEW
10/29/2020	SIGNAGE PER CTDOT COMMENTS
10/21/2020	ADDED EXISTING & PROPOSED DRIVEWAY CULVERT

DETAIL SHEET No. 1

PREPARED FOR

WESTVIEW LAND COMPANY

39 THOMPSON PIKE (ROUTE 21) & 137 WARE ROAD
KILLINGLY, CONNECTICUT

Killingly Engineering Associates
Civil Engineering & Surveying
114 Westcott Road
P.O. Box 421
Killingly, Connecticut 06241
(860) 779-7299
www.killinglyengineering.com

DATE: 7/16/2020	DRAWN: AMR
SCALE: NOT TO SCALE	DESIGN: NET
SHEET: 7 OF 8	CHK BY: ----
DWG. No: CLIENT FILE	JOB No: 20013

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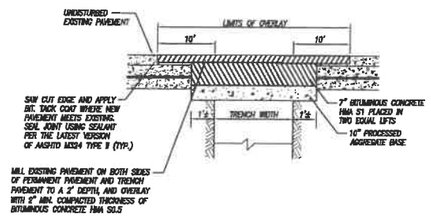
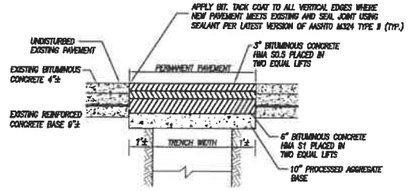


MILLING AND OVERLAY (Perpendicular)
STATE ROAD – ROUTE

NOT TO SCALE

GENERAL NOTES:
1. THESE DETAILS ARE INTENDED FOR USE ON ROADS WITH AND WITHOUT CONCRETE PAVEMENT STRUCTURES.
2. FOR TRENCH IN CONCRETE PAVEMENT STRUCTURES, ANY PORTION OF THE REMAINING CONCRETE SLAB < 3' SHALL BE REMOVED IN ITS ENTIRETY OR AS DIRECTED BY HE ENGINEER.
3. WIDTH OF PERMANENT OR TEMPORARY PAVEMENT SHALL BE 2' WIDER THAN THE TRENCH EXCAVATION OR AS FIELD CONDITIONS WARRANT AS DIRECTED BY THE ENGINEER.
4. "T" (10' CUT BACK) FOR FINAL PAVEMENT MILLING LIMITS, WILL BE AT THE DISCRETION OF THE ENGINEER ± 10' IN ANY DIRECTION.
5. ALL DISTURBED PAVEMENT MARKINGS SHALL BE RESTORED AS DIRECTED BY THE ENGINEER.



PERMANENT PAVEMENT (Perpendicular)
STATE ROAD

NOT TO SCALE

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TEMPORARY PAVEMENT (Perpendicular)
STATE ROAD

NOT TO SCALE

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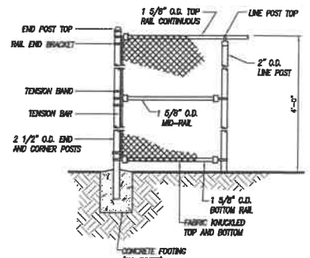

CHAIN LINK FENCE DETAIL

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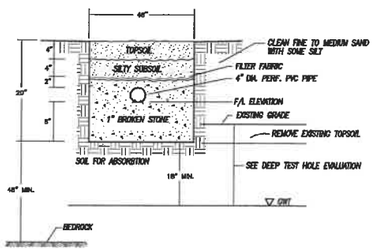

TYPICAL LEACHING TRENCH SECTION

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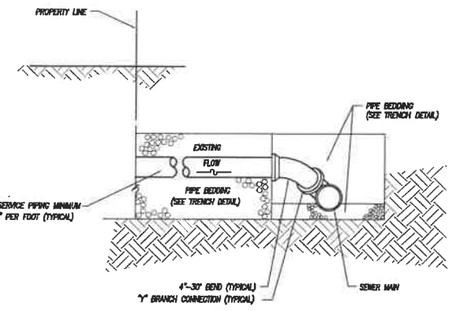
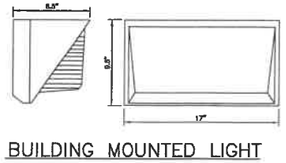


SEWER CONNECTION DETAIL

NOT TO SCALE

NOTES:
1. CONNECTION WILL REQUIRE A PERMIT FROM THE TOWN OF KILLINGLY SEWER DEPARTMENT AND SHALL BE WITNESSED BY A SEWER DEPARTMENT REPRESENTATIVE.
2. CONNECTIONS NOT WITNESSED BY THE TOWN MAY BE REQUIRED TO BE UNCOVERED FOR INSPECTION.



BUILDING MOUNTED LIGHT

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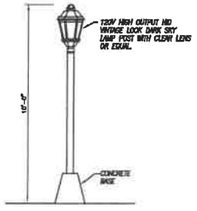

LIGHT POLE DETAIL

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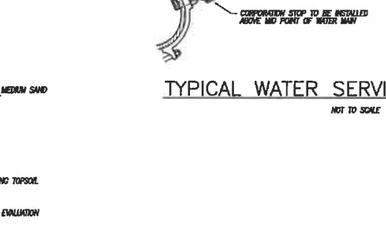

STORM DRAIN PIPE IN TRENCH DETAIL

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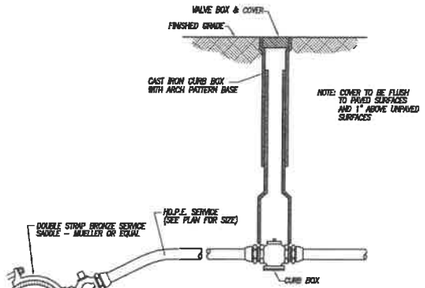

TYPICAL WATER SERVICE CONNECTION

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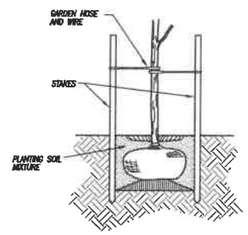
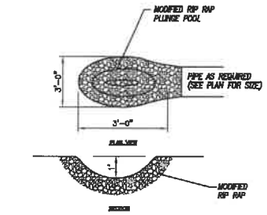


REFERENCE: GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL

PLANTING CROSS SECTION FOR TREES UNDER 20'

NOT TO SCALE



PLUNGE POOL DETAIL

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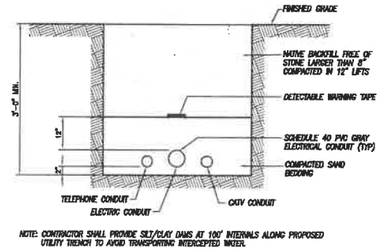
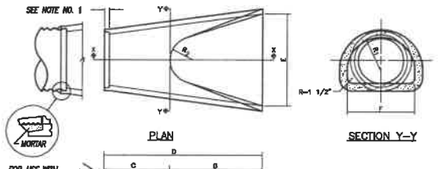


NOTE: CONTRACTOR SHALL PROVIDE SILT/CLAY DAMS AT 100' INTERVALS ALONG PROPOSED UTILITY TRENCH TO AVOID TRANSPORTING INTERCEPTED WATER.

UNDERGROUND UTILITY TRENCH

NOT TO SCALE



NOTE:
1. JOINTS SHALL BE TONGUE AND GROOVE OR BELL AND SPIGOT AS REQUIRED TO CONFORM TO PIPE INSTALLED
2. WALL THICKNESS SHALL CONFORM TO PIPE THICKNESS

DIMENSIONS FOR REINFORCED CONCRETE CULVERT END									FLARED REINFORCEMENT	
DIA.	A	B	C	D	E	F	R_1	R_2		
12"	4"	2'-0"	1'-0 3/8"	1'-0 3/8"	2'-0"	1'-0 13/16"	10 1/4"	6"	0.048	0.048
15"	6"	2'-3"	1'-3"	1'-3"	2'-3"	1'-3 6/16"	1'-0 1/2"	11"	0.054	0.054
18"	6"	2'-6"	1'-5"	1'-5"	2'-6"	1'-5 13/16"	1'-3 1/2"	1'-0"	0.060	0.060
24"	9"	3'-0 1/2"	1'-8"	1'-8"	3'-0"	1'-8 1/16"	1'-9"	1'-4"	0.066	0.066
24"	8 1/2"	3'-1 1/2"	2'-0"	1'-11 1/2"	4'-0"	2'-0 3/16"	1'-4 13/16"	1'-3"	0.072	0.072
30"	1'-0"	4'-0"	1'-7 3/4"	2'-1 3/4"	5'-0"	2'-1"	1'-8 1/2"	1'-6"	0.084	0.084
36"	1'-3"	5'-0"	2'-0 1/4"	2'-7 1/4"	6'-0"	2'-5 15/16"	2'-0 5/16"	1'-9"	0.096	0.096
42"	1'-6"	6'-0"	2'-3"	3'-0"	7'-0"	2'-10 7/8"	2'-3 1/2"	1'-10"	0.108	0.108
48"	2'-0"	6'-0"	2'-6"	3'-5"	7'-0"	2'-10 7/8"	2'-4 1/2"	1'-10"	0.120	0.120
54"	1'-3"	6'-0"	2'-11"	3'-4"	7'-0"	2'-8 1/2"	2'-9 1/8"	2'-0"	0.132	0.132
60"	2'-6"	6'-0"	3'-3"	3'-3"	6'-0"	2'-6 1/2"	2'-11 11/16"	2'-0"	0.144	0.144

FLARED END SECTION

NOT TO SCALE

APPROVED BY THE TOWN OF KILLINGLY INLAND WETLANDS COMMISSION

CHAIRMAN _____ DATE _____

ANY CHANGES TO THESE PLANS WITHIN 200' OF WETLANDS OR WATERCOURSES MUST BE RESUBMITTED TO THE KILLINGLY INLAND WETLANDS AND WATERCOURSES COMMISSION FOR ITS APPROVAL.

THE APPLICANT WILL CONTACT THE KILLINGLY INLAND WETLANDS AND WATERCOURSES COMMISSION'S AGENT AFTER ALL EROSION AND SEDIMENT CONTROL MEASURES ARE INSTALLED, PRIOR TO ANY CONSTRUCTION OR EXCAVATION ON THE PROPERTY.

BEFORE YOU DIG CALL BEFORE YOU DIG

AT LEAST TWO FULL BUSINESS DAYS BEFORE DIGGING OR DISTURBING EARTH

DIAL 811 OR 1-800-922-4455

APPROVED BY THE TOWN OF KILLINGLY PLANNING AND ZONING COMMISSION

Special Permit No: _____

Applicant: _____

Date Approved: _____

Chairman: _____

Date: _____

NORMAND THIBEAULT, JR., P.E. No. 22834 DATE

11/02/2020	PER ENGINEERING REVIEW
10/29/2020	SIGNAGE PER CTDOT COMMENTS
10/21/2020	ADDED EXISTING & PROPOSED DRIVEWAY CULVERT
DATE	DESCRIPTION
REVISIONS	

DETAIL SHEET No. 2

PREPARED FOR

WESTVIEW LAND COMPANY

39 THOMPSON PIKE (ROUTE 21) & 137 WARE ROAD
KILLINGLY, CONNECTICUT

Killingly Engineering Associates
Civil Engineering & Surveying
114 Westcott Road
P.O. Box 421
Killingly, Connecticut 06241
(860) 779-7299
www.killinglyengineering.com

DATE: 7/16/2020	DRAWN: AMR
SCALE: NOT TO SCALE	DESIGN: NET
SHEET: 8 OF 8	CHK BY: ——
DWG. No: CLIENT FILE	JOB No: 20013

K:\2001\3\Drawings\CIVIL_20013 NET 2.dwg Jan 06, 2021 - 2:09 PM

www.watersconst.com

300 BOSTWICK AVENUE BRIDGEPORT CONNECTICUT 06605
TEL: (203) 334-6888 FAX: (203) 576-0144

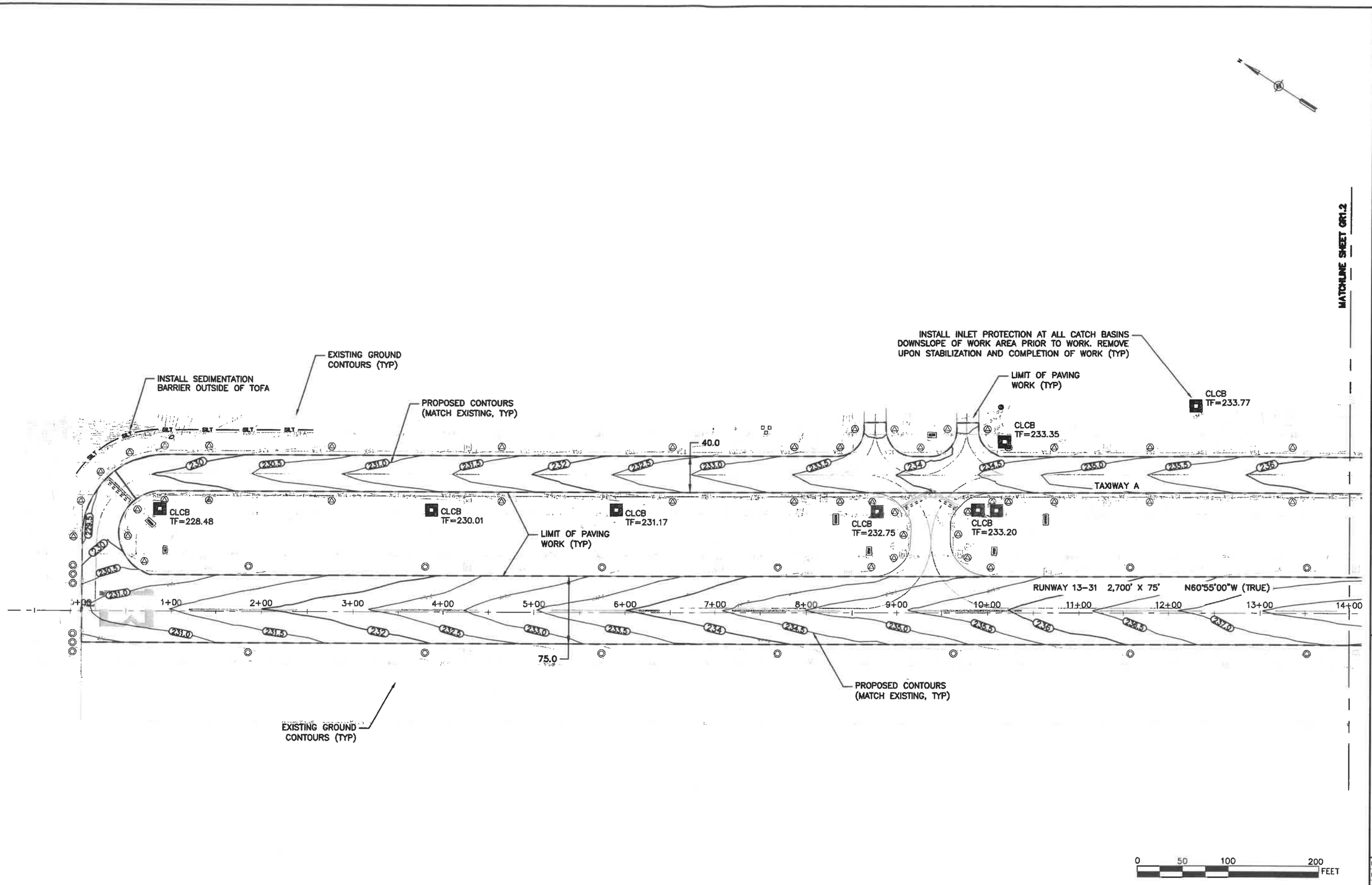
National Pollutant Discharge Elimination System (NPDES)

#21-1257

PROPOSED ERISION AND SEDIMENTATION CONTROL MEASURES

Danielson Airport
Killingly, CT 06241

AIP Project No. 3-09-0900-XXX-2020
REHIBILITATE RUNWAY 13-31, TAXIWAY 'A'
AND 'B' (BASE BID)
REPLACE AIRFIELD LIGHTING AND SIGNS
(ADD ALT NO. 2)



ENGINEER'S SEAL

DANIELSON AIRPORT

CONNECTICUT AIRPORT AUTHORITY

DESIGNED BY MCR | DRAWN BY PRS | CHECKED BY RMF

PROJECT DESIGNER

Hoyle, Tanner & Associates, Inc.

REHABILITATE RWY 13-31, TWY 'A' & 'B' AND BASED AIRCRAFT APRON (ADD ALT NO. 1)

GRADING AND EROSION CONTROL PLAN NORTH

DATE: JUNE 2020

SCALE: AS SHOWN

REVISIONS

REV. NO.	DATE	DESCRIPTION	BY
	08/16/2020	BID DOCUMENTS DO NOT SCALE DRAWING	MCR

PROJ. No.: 306819.02

FILE NAME: 306815.04-GR101

AIP No.: 3-09-0009-XXX-2020

DRAWING NO.

GR1.1

SHEET 15 OF 30

DWG: H:\306819.02 CAA Danielson RW\2-CADD\0-Contract\306815.04-GR101.dwg Jun 15, 2020 - 2:50pm

MATCHLINE SHEET GR1.1

LIMIT OF PAVING WORK AT GATE, LOCATION TO BE FIELD DETERMINED

INSTALL "SILT SAC" INLET PROTECTION AT ALL CATCH BASINS IN PAVED AREAS AS SHOWN AREA PRIOR TO WORK. REMOVE UPON STABILIZATION AND COMPLETION OF WORK (TYP)

PROPOSED CONTOURS (MATCH EXISTING, TYP)

EXISTING GROUND CONTOURS (TYP)

INSTALL INLET PROTECTION AT ALL CATCH BASINS DOWNSLOPE OF WORK AREA PRIOR TO WORK. REMOVE UPON STABILIZATION AND COMPLETION OF WORK (TYP)

LIMIT OF PAVING WORK (TYP)

CLCB TF=232.5
CLCB TF=233.38
CLCB TF=232.68
CLCB TF=232.59
CLCB TF=232.79
CLCB TF=233.22
CLCB TF=230.99
CLCB TF=231.11
CLCB TF=230.79
CLCB TF=230.66
CLCB TF=230.76
CLCB TF=235.22
CLCB TF=233.66
CLCB TF=233.16
CLCB TF=231.72
CLCB TF=230.85
CLCB TF=231.77

Chain Link Fence
Gate
Bollards & Keyhole
Existing Buildings
Bituminous Pavement
Edge of Pavement
Top of Slope
Toe of Slope

TAXIWAY A

40.0
75.0

14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00

RUNWAY 13–31 2,700' X 75' N60°55'00"W (TRUE)

0 50 100 200 FEET

DWG: H:\306819.02 CAA Danielson RW\2-CADD\0-Contract\306815.04-GR102.dwg Jun 15, 2020 - 2:52pm

ENGINEER'S SEAL

DANIELSON AIRPORT
CAA
CONNECTICUT AIRPORT AUTHORITY

DESIGNED BY MCR | DRAWN BY PRB | CHECKED BY RMF

PROJECT DESIGNER
Hoyle Tanner & Associates, Inc.
100 Dan Street
Manchester, NH 03101-1227
Tel 603.665.9383
Fax 603.665.9388
www.hoyletanner.com
Hoyle Tanner & Associates © 2019

REHABILITATE RWY 13–31, TWY 'A' & 'B' AND BASED AIRCRAFT APRON (ADD ALT NO. 1)

GRADING AND EROSION CONTROL PLAN SOUTH

DATE: JUNE 2020
SCALE: AS SHOWN

REVISIONS

REV. NO.	DATE	DESCRIPTION	BY
	06/16/2020	BID DOCUMENTS SO, NOT SCALE drawings	MCR

PROJ. No.: 306819.02
FILE NAME: 306815.04-GR102
AIP No.: 3-09-0009-XXX-2020

DRAWING NO.
GR1.2

SHEET 16 OF 30