21.012.11				
DATE: 3/13/24				
PROPERTY ADDRESS: PARC				
NAME OF APPLICANT: <u>BR1</u>				
MAILING ADDRESS: 2 TU	UXIS RO., STE.	214, TARIFFUI	LLE, CT 06081	
EMAIL ADDRESS: brian Qd	<u>ennolandsurveyi</u>	<i>ng. 10M</i> T	relephone # <u>860-408-</u> 9	7167
NAME OF OWNER: 34 HOP	MEADOW STRE	ET REALTY CO	). LLC	
MAILING ADDRESS: 184 F	ERN AVE., LIT	CHFIELD, CT OC	0759	
EMAIL ADDRESS: Mark & ma				
NOTE: ATTACH A WRITTEN INCLUDING THE ABILITY TO C	LETTER OF AGENCY	Y, DULY ACKNOWLE		
"REGULATED ACTIVITIES" AS SUCH AS: A) Remove material from Otherwise adversely affect regulated a GRADING, REMOVA BROIN , INSTRU DRAINAGE & UN	DEFINED IN SECTION  TO BE THE SECTION  THE SECTION SECTION SECTION  THE SECTION SECTION SECTION  THE SECTION SECTION SECTION SECTION SECTION SECTION SECTION  THE SECTION SEC	discharge to; C) Construct  AL TO CREATE  PLAY AREA	INLAND WETLANDS REGUL on; D) Obstruct; E) Alter; F) Pollute E A DETENTION (NSTIPLC STORM)	
CERTIFICATIONS AND PERI	WISSIONS:			
As owner, I hereby give per	mission to the Town	of Simsbury's Conser	vation Commission Inland W	Vetlands
Watercourses Agency, their Agnecessary to evaluate this applic				
I hereby certify that all statemed Any permit issued shall be conchanged situation shall require	tingent upon field cond	itions and activities bei	ing substantiated as indicated l	herein. A
I certify that I have the authorit	y to sign this application	n.	200	3/3/24
Signature of Owner	Date	Signature and Title of Agent As	of Applicant  Yhe OWNER	Date

Telephone (860) 658-3245 Facsimile (860) 658-3206 www.simsbury-ct.gov

933 Hopmeadow Street Simsbury, CT 06070

- Site is a 3.8± acre meadow sloping west to southeast from Hopmeadow Street to an
  existing culvert in the southeast corner of the site. To the east is an apartment complex.
  The north abutter is the old CL&P office, now Terra Leaf. To the south is the access drive
  to the apartments and then a vacant lot.
  - b. Wetlands on the site are 268 sq. ft. at the end of the culvert which goes under the access drive to the south. Site development includes constructing a detention pond in the area of the wetlands and 100' upland review area.
  - c. Total contiguous wetlands =  $2,700 \pm \text{ sq.}$  ft. which has been previously disturbed by the access road to the apartments to the east.
  - d. Site does not contain any additional wetlands; wetlands do exist on the parcel to the south. Those wetlands receive the storm run off from the development to our east, the wetlands on the property of the proposed daycare serves as an outlet for storm water from Hopmeadow street and the subdivision to the west.
  - e. Wetlands are the low point of an open meadow with a gentle slope from Hopmeadow Street at elevation 204 to the culvert at elevation 190.0.
- Unknown, no soils testing has been done to determine the depth to the water table. Site
  has been used for farming in the past.
- 4. a. Wetlands will have a stone inlet protection installed and a steel plate orifice will be added to the existing 30" diameter HDPE outlet pipe to hold back storm water in the proposed detention basin to balance proposed flow from the site to match the existing flows from the site. To create the detention basin, we will need to regrade the area above the wetlands by cutting 1,220 c.y. of material and filling 121 c.y. of material to the rear of the proposed building in the area of the proposed playground.
  - b. Area of disturbance is open meadow and scrub brush.
  - c. The 268 square feet of wetlands will be scarified and have a stone inlet protection pad installed to prevent any silt from moving into the pipe and going downstream (per DEP CT guidelines for erosion and sediment control 2002). This will amount to 100% of the wetlands being disturbed.
- 5. a. The 268 sq. ft. of wetlands will be impacted by the inlet protection added immediately upstream of the existing culvert. A forebay will be added to the detention pond to collect the floatables in the existing and proposed storm runoff.
  - b. Existing vegetation consists of scrub brush and meadow grasses. Once the detention pond is finish graded the area will be planted per the Connecticut Erosion and Sedimentation manual (2002) figure PS-2, seed mix for drainage ditches and channel banks.
  - c. existing surface water coming onto the site from Hopmeadow street and the culvert to the north will go into detention basins to be constructed on the west and north of the proposed parking lot before entering into the new drainage system. All new runoff from

the proposed improvements will be directed into the storm drainage system then into the large detention basin before leaving the site through absorption or the existing culvert.

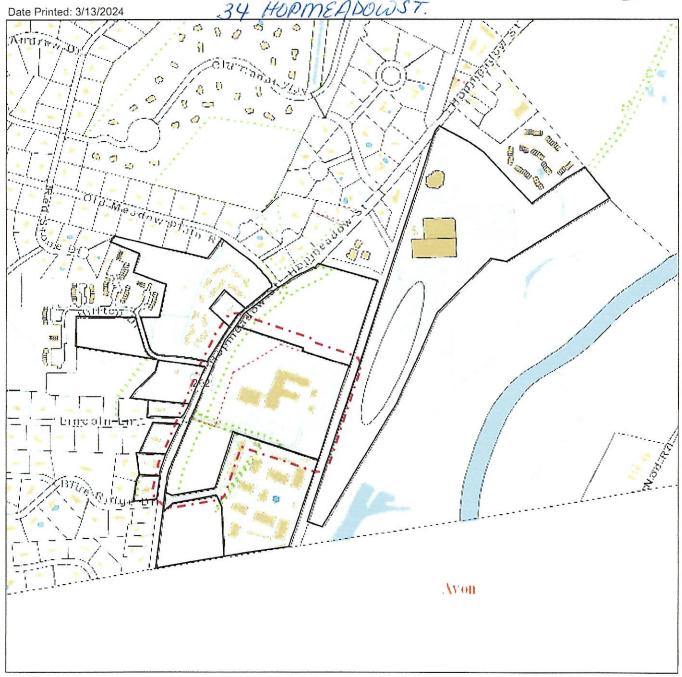
- d. At present the site is an unkept meadow with scrub brush and weeds, once the project is finished it will have lawn and landscaping along with a 100' conservation easement along Hopmeadow street that will remain as open space.
- e. The existing site does not support a large wildlife habitat, post construction landscaping will support birds for nesting.
- 6. a. The construction of the detention pond will increase the area of the wetlands function to the bottom of the detention pond from 268 sq. ft. to 10,500 sq. ft. grasses planted here and in other areas of the site will help filter the storm runoff on the site.
  - b. Abutting water coming onto our site will now be treated in the two small detention ponds before entering into the existing culvert. Currently the storm runoff crosses the meadow and into the culvert with only the existing vegetation filtering it.
- 7. See plans.
- 8. Site is protected by a 100' conservation easement at Hopmeadow Street, a 260' building set back line to protect the view of the Heublein Tower and mountain. The building has been located to the north to be as far from the wetlands as possible and the detention pond elevation is at an elevation to receive water from pipes coming onto our site from the north and west taken into our drainage system, treated and then discharged to the south.
- 9. A cost estimate is being prepared. Time to completion 9-12 months once construction starts.
- 10. See attached.
- 11. See attached.
- 12. a. Site is located 575'± north of the Avon town line
  - b. The site will be accessed across the drive to the south, then westerly to Hopmeadow.
  - c. The site is served by public water and sewer.
  - d. Run-off will not adversely affect downstream properties.
  - e. N/A
  - f. Property is subject to a conservation easement and building setback by the Town of Simsbury; shown on the existing conditions plan and layout plan.

## le

## **Town of Simsbury**

Geographic Information System (GIS)





#### MAP DISCLAIMER - NOTICE OF LIABILITY

This map is for assessment purposes only. It is not for legal description or conveyances. All information is subject to verification by any user. The Town of Simsbury and its mapping contractors assume no legal responsibility for the information contained herein.





Figure A-1. Planting Palette Example A

Figure A-1. Planting Pa	alette Example A			
Location Suitability	* <b>\</b>	Legend  Sunny  Sunny  Partly Shaded	Directly Adjacent Wet to Roadways	: Areas
BMP Suitability	Dry Water Quality Swale	Dry Extended Stormwater Detention Basin Pond	Bioretention Infiltration Trench	Infiltration Filter Strip Basin
Plant Photo	Name	Attribu	ıtes	Notes
	Ceanothus americanus, New Jersey Tea	Nitrogen fixing Can grow nutritionally poor soils Beneficial for pollinators & wildlife Quick to establish	<ul> <li>Salt tolerant</li> <li>Deep roots provide good erosion control</li> <li>Drought tolerant</li> <li>Best for upland zone</li> <li>Prefers well drained soils</li> </ul>	Spacing 4-5 Feet
	Lobielia cardinalis, Cardinal Flower	Prefers Wet to Moist Soil     Best for Wet meadow,     Emergent or Submergent     Zones	Somewhat tolerant of salt and urban pollution	Spacing 18- 24 inches
	<i>Juncus tenuis,</i> Path Rush	Drought and flooding tolerant     Tolerant of compacted soils     Moderately tolerant of salt     Nitrogen fixing	Good for nesting birds Good cover crop to reduce weeding needs Deer Resistant	Spacing 12 inches
	Asclepias tuberosa, Butterfly Weed	Beneficial for pollinators     Drought tolerant     Best for upland zone     Moderate salt tolerance	Deer resistant     Best to seed in fall	Spacing 18-24 inches
	Coreopsis tinctoria Nutt, Golden Tickseed	Beneficial for Pollinators     Flooding tolerant prefers moist soil     Best for wet meadow and emergent zones	Moderate salt tolerance	Sow at least 2 lb of pure live seed per acre

Appendix F – Planting Guide 545

Figure A-2. Planting Palette Example B

Location Suitability		Sunny Partly Shaded Directly Adjacent Wet Are to Roadways	eas
BMP Suitability	Stormwater Pond	Bioretention Infiltration Trench	Infiltration Filter Basin Strip
Plant Photo	Name	Attributes	Notes
3 C. M. 4	<i>Verbena hastata,</i> Swamp Verbena	<ul> <li>Livestock will not eat</li> <li>Beneficial for pollinators</li> <li>Quick to establish</li> <li>Prefers wet to moist soil</li> <li>Best for wet meadow, emergent or submergent zones</li> <li>Moderate salt tolerance</li> <li>Nitrogen fixing</li> </ul>	Spacing 12-24 inches
	Eupatorium maculatum, Spotted Joe Pye Weed	Prefers wet to moist soil     Best for wet meadow, emergent or submergent zones     Prefers sandy soils but will grow in non-sandy wetlands	Spacing: 4-5 feet on center
	<i>Iris versicolor,</i> Harlequin Blueflag	Preference for acidic soils     Good filter of excess nutrients     Deer resistant     In wet soils will thrive without fertilizer     Wet to moist soils	Spacing 2-3 Feet
	<i>Carex stricta,</i> Tussock Sedge	<ul> <li>Drought tolerant for short periods</li> <li>Prefers standing water or moist soils</li> <li>Deer resistant</li> <li>Nitrogen Fixing</li> <li>Best for wet meadow, emergent or submergent zones</li> <li>Good filter for water clarity</li> </ul>	Spacing 1-3 Feet
	<i>Caltha palustris,</i> Marsh Marigold	Beneficial for pollinators     Flooding tolerant, prefers moist     soil     Best for wet meadow and emergent zones     Deer resistant     High salt tolerance     Alkaline tolerant     Beneficial for wood ducks     Good ground cover	Spacing 12 inches

Appendix F – Planting Guide 546

Figure A-3. Planting Palette Example C

Location Suitability	***	Legend  Sunny Partly Shaded Directly Adjacent Wet Areas to Roadways	
BMP Suitability	Bioretention	Dry Extended Detention Basin	
Plant Photo	Name	Attributes	Notes
	Cercis canadensis L. Eastern Redbud	Provides flowers in early spring     Tolerates a wide range of pH     but will grow best in alkaline     soils     Grows deep tap root in first few     years if conditions are     Conducive      Rounded vase shape provides     good summer shade     Known to be wind and ice     tolerant     Not salt tolerant     Drought tolerant	Spacing 20-30 Feet
类类	Phlox divaricata L. Wild Blue Phlox	Beneficial for pollinators     Good ground cover     Tolerant of wide range of soil types and pH      Shade tolerant, good for beneath trees	Spacing 12 inches
	<i>Phlox subulata,</i> Moss Phlox	Beneficial for Pollinators     Drought tolerant     Deer resistant     Prefers sun     Tolerant of nutrient poor soils      Moderately salt tolerant     Mildly alkaline tolerant     Good ground cover	Spacing 12-24 inches

Photo Sources:

Palette A (Top-Bottom): EPA.GOV via wikicommons, Judy Gallagher, CC BY 2.0 via Wikimedia Commons, Stefan.lefnaer, CC BY-SA 4.0 via wiki commons <a href="https://www.conservect.org/product/crccd-butterfly-weed/">https://www.fs.fed.us/wildflowers/plant-of-the-week/coreopsis\_tinctoria.shtml</a>

Palette B (Top – Bottom): HLWolfe, CC BY-SA 4.0 via Wikimedia Commons, Joshua Mayer CC BY-SA 2.0 Wikimedia Commons, Government of Quebec via Wikimedia Commons, gmayfield 10, CC BY-SA 2.0, via Wikimedia Commons, Eppu, CC BY 4.0 via Wiki Commons

Palette C (Top-Bottom): Wil540 art, CC BY-SA 4.0 via Wikimedia Commons, Cbaile19, via Wikimedia Commons , Agnieszka Kwiecień, Nova, CC BY-SA 4.0, via Wikimedia Commons

Appandis F. Blantina Cuida

Table 13-7. Water Quality Volume Distribution in Stormwater Pond Designs

Desire Verient	Percent of Water Quality Volume (WQV)				
Design Variant	Sediment Forebay	Permanent Pool	Extended Detention		
Wet Pond	10%	90%	0%		
Micropool Extended Detention Pond	10%	10%	80%		
Wet Extended Detention Pond	10%	40%	50%		
Multiple Pond System	10%	40%	50%		
Pocket Pond	10%	40%	50%		

Source: NYDEC, 2001.

- Water quality storage can be provided in multiple cells. Performance is enhanced when multiple treatment pathways are provided by using multiple cells, longer flow paths, high surface area to volume ratios, complex microtopography, and/or redundant treatment methods (combinations of pool, extended detention, and marsh).
- The extended detention storage volume (storage volume above the permanent pool provided for additional water quality and stormwater quantity control) should drain out of the pond over a minimum of 24 hours, after which the water surface elevation in the pond will return to the permanent pool elevation.
- Underwater or marsh berms may be incorporated in the design to lengthen the flow path through the pond.
- Thermal impacts of stormwater ponds may be mitigated by implementing one or more of the following design measures:
  - Use of a smaller permanent pool with more extended detention storage and an extended detention time of 24 hours or less
  - Planting of shade trees around the perimeter of the pond (but at least 25 feet away from inlet/outlet structures and the pond embankment) to reduce solar warming of the pool
  - Designing the pond with a series of pools, as opposed to a single pool, to allow cooling prior to discharge
  - Use of an outlet structure designed to draw water from near the bottom of the pond where water temperatures may be cooler
  - Use of an underdrained gravel trench outlet.
- The pond should have a curvilinear shape and a minimum length: width ratio of 3:1 from the pond inlet to outlet.

# CHILDCARE FACILITY

# PARCEL ID: E18 117 001-1C HOPMEADOW STREET - SIMSBURY, CONNECTICUT

APPLICANT:
OWNER:
SITE PLANNER:

CHILDCARE CENTER DREAM DEVELOPERS OF CT 34 HOPMEADOW STREET REALTY CO. LLC DENNO LAND SURVEYING & CONSULTING, LLC

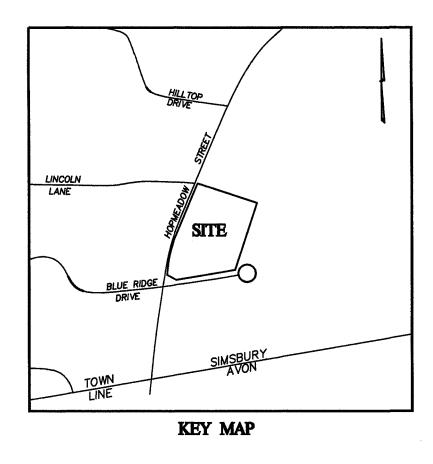
#### NOTES:

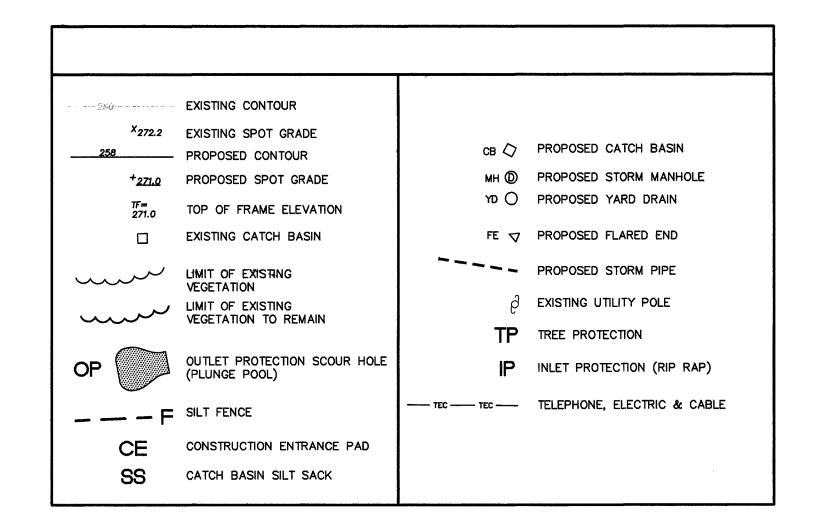
- 1. PROPERTY OF: 34 HOPMEADOW STREET REALTY CO. LLC APPLICANT: CHILDCARE CENTER DREAM DEVELOPERS OF CT
- 2. MAP E18 BLOCK 117 LOT 001-1C
- 3. PARCEL AREA = 4.783 ACRES
- 4. PAD ZONE MASTER PLAN APPROVED IN 2014
- 5. PARKING REQUIREMENTS:
- DAY CARE FACILITY 1 SPACE PER 500 SQ. FT.

  PROPOSED BUILDING 15,040 SQ. FT./500\*1.0 = 30 SPACES

  REQUIRED PARKING = 30 SPACES
- PARKING SHOWN = 50 SPACES INCLUDING 2 HANDICAP SPACES
- 6. CONTRACTOR MUST VERIFY EXISTING SITE TOPOGRAPHY AND UTILITIES BEFORE BEGINNING CONSTRUCTION. CONTRACTOR MUST NOTIFY DESIGN ENGINEER OF ANY DIFFERENCES BETWEEN CONDITIONS FOUND ON THE SITE AND THOSE DEPICTED ON THIS PLAN. CONTRACTOR SHALL CALL "CALL BEFORE YOU DIG" 1-800-922-4455 AT LEAST 48 HOURS PRIOR TO EXCAVATION NEAR PUBLIC UTILITIES.
- 7. TOPOGRAPHY TAKEN IN PART FROM FIELD TOPO AND TOWN OF SIMSBURY TOPOGRAPHIC MAPPING.
- 8. PRIOR TO THE START OF ANY CONSTRUCTION, THE DEVELOPER'S CONTRACTOR SHALL SCHEDULE A PRECONSTRUCTION MEETING WITH THE TOWN STAFF.
- ALL NEW CONSTRUCTION TO BE DONE IN ACCORDANCE WITH THE TOWN OF SIMSBURY STANDARDS AND CONNECTICUT DOT FORM 816.
- 10. ANY ADDITIONAL SEDIMENT/EROSION CONTROL MEASURES DEEMED NECESSARY BY THE TOWN ENGINEER, OR THE CONSERVATION COMMISSION, OR ITS DESIGNATED REPRESENTATIVE DURING THE CONSTRUCTION OF ANY SITE IMPROVEMENTS SHALL BE IMPLEMENTED BY THE DEVELOPER. IN ADDITION, THE DEVELOPER SHALL BE RESPONSIBLE FOR THE MAINTENANCE/REPAIR/REPLACEMENT OF ALL SEDIMENT/EROSION CONTROL MEASURES UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED TO THE SATISFACTION OF THE TOWN ENGINEER AND THE CONSERVATION COMMISSION. OR ITS DESIGNATED REPRESENTATIVE.
- 11. LOAM AND SEED ALL DISTURBED AREAS WHICH ARE NOT PAVED, MULCHED, OR PLANTED PER THE SEDIMENTATION AND EROSION CONTROL DETAILS PLAN.
- 12. THE DEVELOPER SHALL CLEAN ANY REMAINING DEBRIS, TRASH, RUBBISH AND DISCARDED MATERIALS FROM THE SITE AND DISPOSE OF SAME IN AN AREA AND BY METHODS APPROVED BY THE TOWN OF SIMSBURY AND THE STATE DEEP.
- 13. THE DEVELOPER SHALL BE RESPONSIBLE FOR THE CLEANING OF NEARBY STREETS AS ORDERED BY THE TOWN OR STATE, OF ANY DEBRIS FROM HIS CONSTRUCTION ACTIVITIES.
- 14. THE USE, STORAGE OR DISPOSAL OF ANY MATERIAL NOT IN ACCORDANCE WITH THAT SHOWN ON THE APPROVED PLANS, OR REQUIRED BY ANY REGULATORY AGENCY, MAY RESULT IN THE IMMEDIATE REVOCATION OF ANY PERMIT OR APPROVAL GRANTED BY THE
- 15. THERE SHALL BE NO STOCKPILING OR DISPOSAL OF SURPLUS MATERIAL, WITHIN OR IMMEDIATELY ADJACENT TO REGULATED AREAS, TEMPORARILY OR PERMANENTLY, BEYOND THE EXTENT SHOWN ON THE PLANS. ANY EXCESS MATERIAL FROM THE PROPOSED CONSTRUCTION SHALL BE DEPOSITED IN AN OFF—SITE NON—REGULATED AREA AND THE APPLICANT SHALL PROVIDE CERTIFICATION OF ITS DEPOSITION AND QUANTITY. THE APPLICANT SHALL OBTAIN ALL NECESSARY PERMITS FOR THE DEPOSITION OF THIS MATERIAL
- 16. ANY PERMIT REQUIRED BY CONNECTICUT DEEP UNDER SECTION 22A-430B (STORM WATER ACTIVITY ASSOCIATED WITH CONSTRUCTION ACTIVITIES GENERAL PERMIT) OF THE CONNECTICUT GENERAL STATUTES MUST BE OBTAINED BY THE DEVELOPER PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.

- 17. HORIZONTAL DATUM IS NAD 83, VERTICAL DATUM IS NAVD 88.
- 18. ALL NEW UTILITIES SHALL BE UNDERGROUND.
- 19. THE DEVELOPER SHALL PRACTICE EFFECTIVE DUST CONTROL DURING CONSTRUCTION TO KEEP DUST AND BLOWN DEBRIS FROM AFFECTING ADJACENT PROPERTIES. THE DEVELOPER SHALL BE RESPONSIBLE FOR THE CLEANING OF NEARBY STREETS, AS ORDERED BY THE TOWN, OF ANY DEBRIS FROM THESE CONSTRUCTION ACTIVITIES.
- 20. ANY SIGN TO BE INSTALLED ON THE PROPERTY SHALL BE SUBJECT TO STAFF AND/OR COMMISSION REVIEW.
- 21. ANY EXCESS MATERIAL MUST BE DISPOSED OF IN A SUITABLE MANNER AND LOCATION ACCEPTABLE TO TOWN STAFF.





SHEET 1 OF 9 TITLE SHEET

SHEET 2 OF 9 EXISTING CONDITIONS PLAN

SHEET 3 OF 9 LAYOUT PLAN

SHEET 4 OF 9 GRADING & EROSION CONTROL PLAN

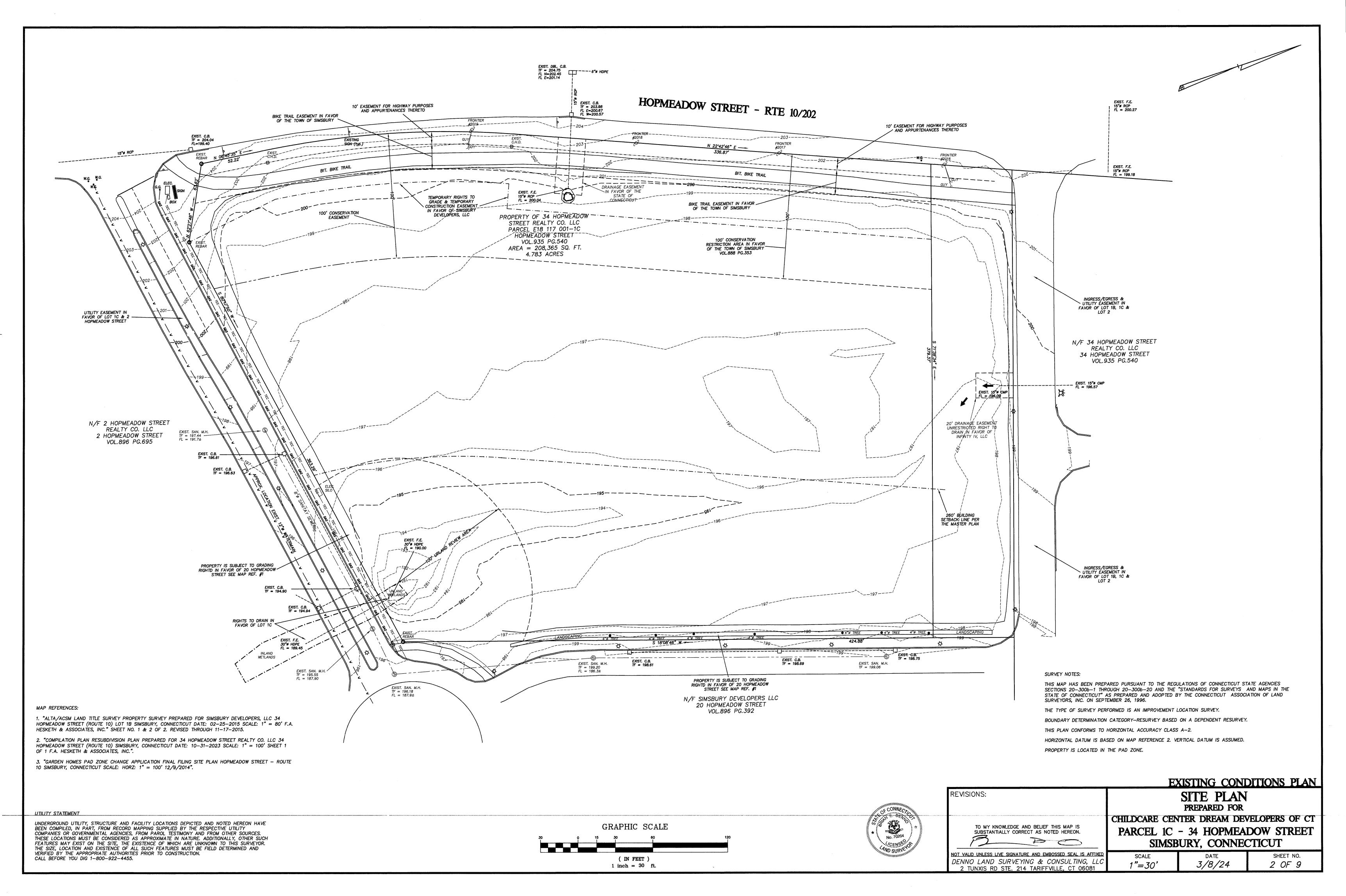
SHEET 5 OF 9 UTILITY PLAN

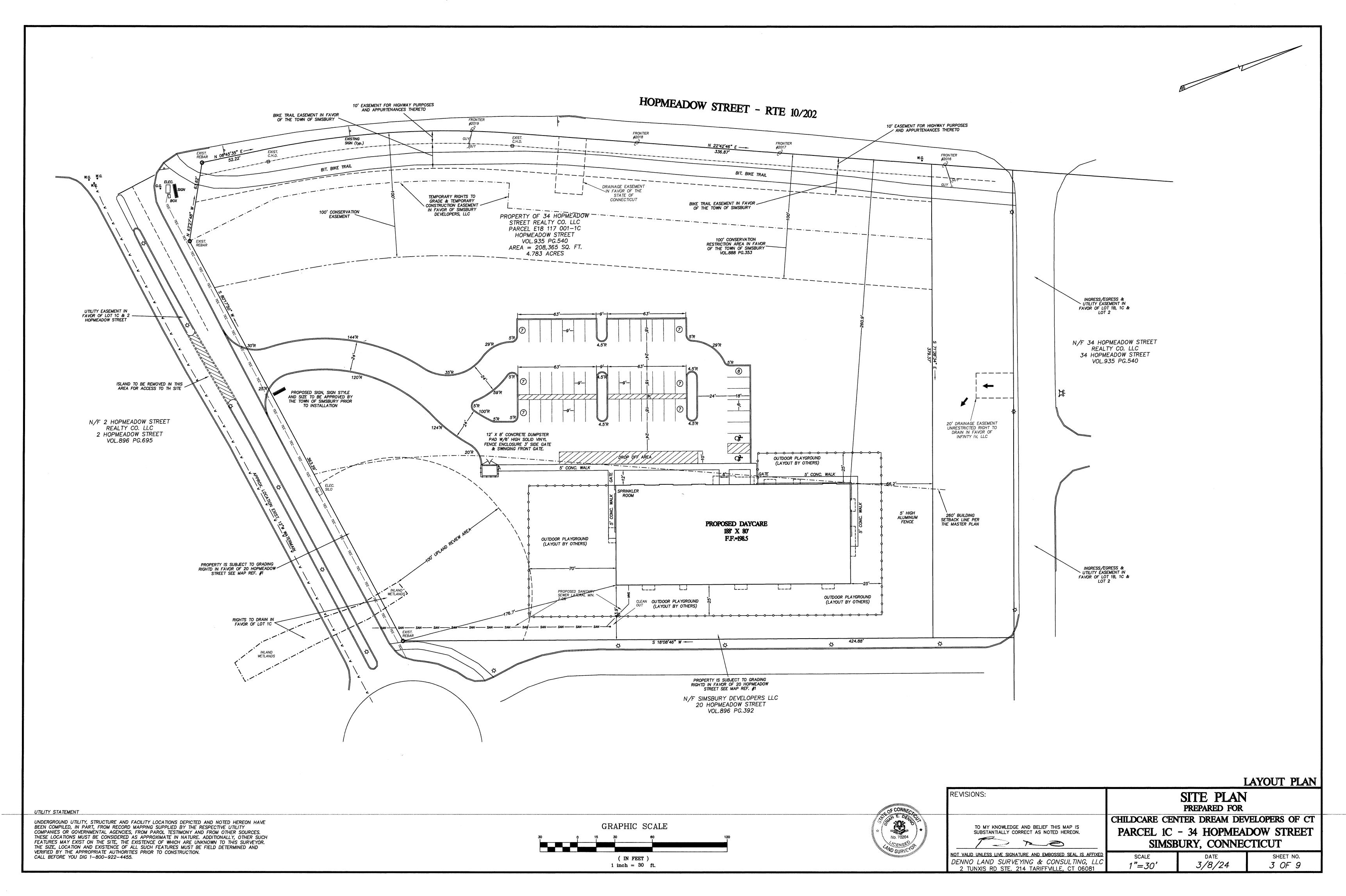
SHEET 6 OF 9 LANDSCAPING PLAN

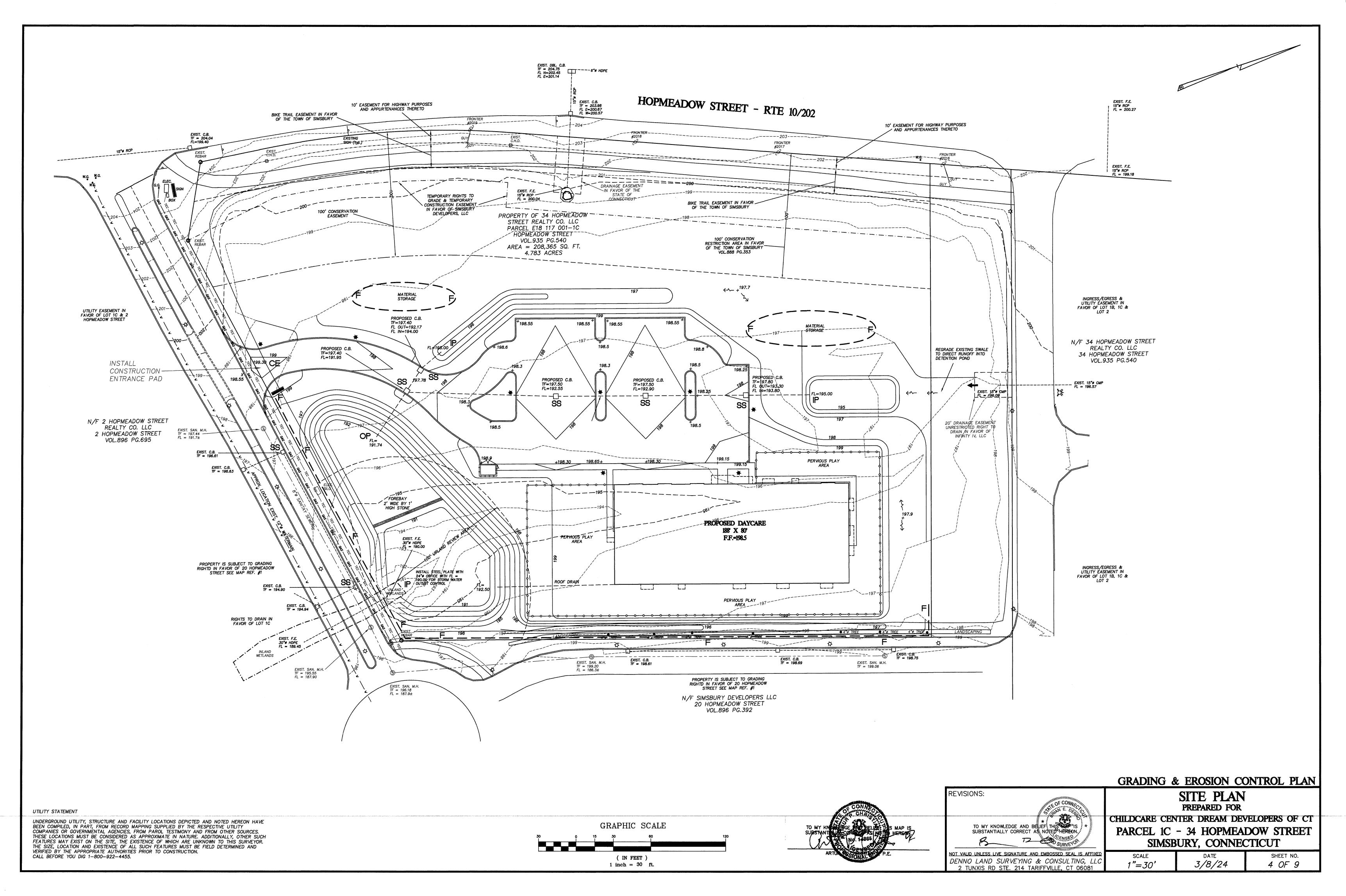
SHEET 7 OF 9 CONSTRUCTION DETAILS 1

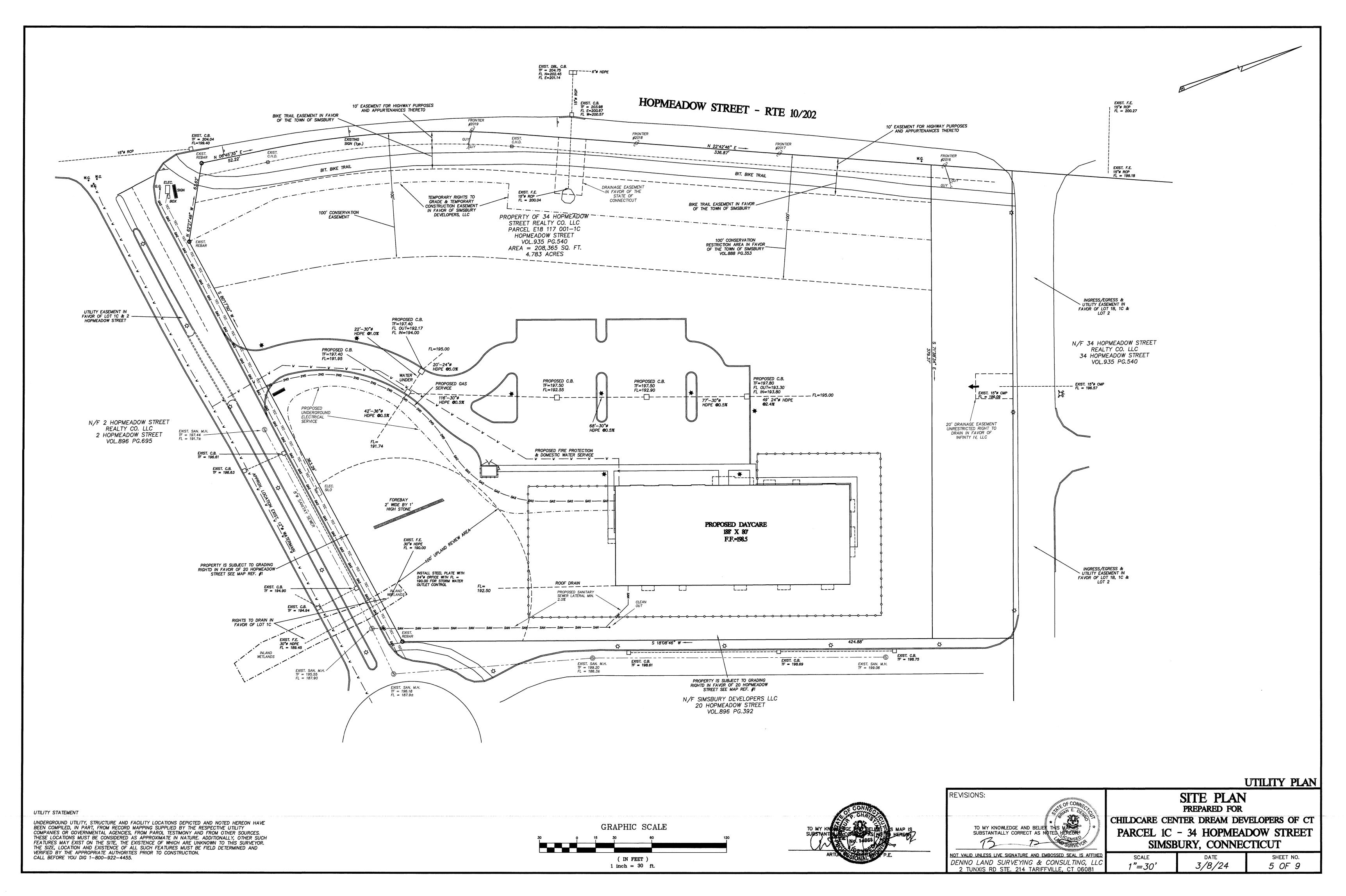
SHEET 8 OF 9 CONSTRUCTION DETAILS 2

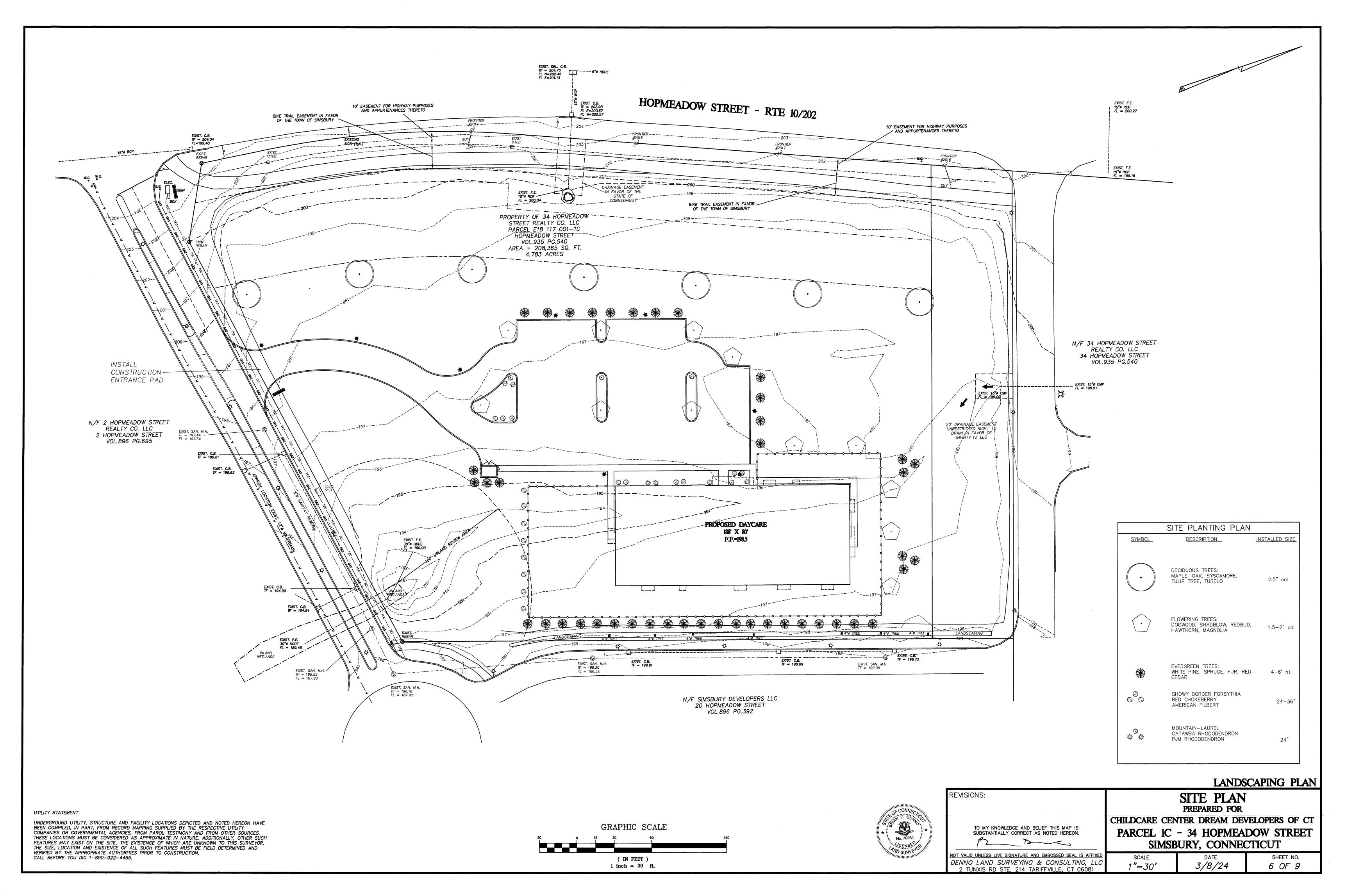
SHEET 9 OF 9 SEDIMENTATION & EROSION CONTROL DETAILS

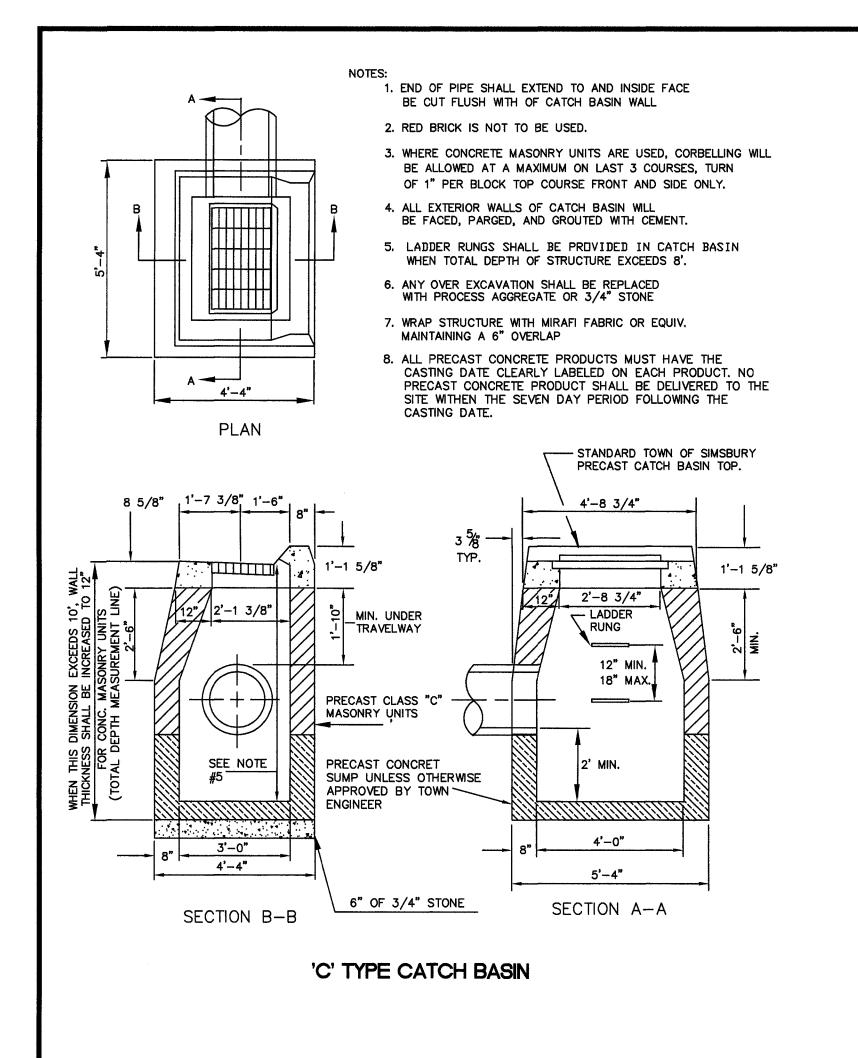


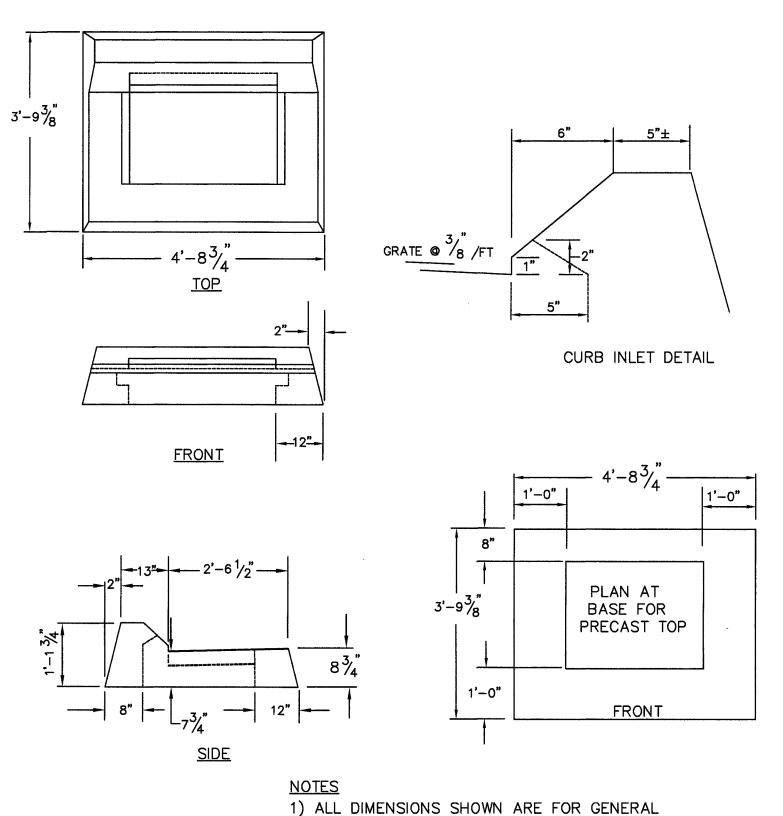










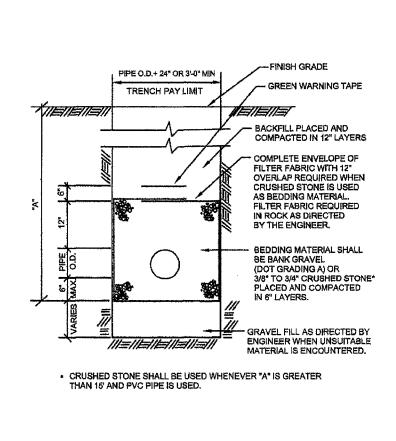


INFORMATION ONLY. CONTRACTOR TO SUBMIT MANUFACTURERS SHOP DRAWINGS OF SPECIFIC PRODUCT, FOR APPROVAL BY THE ENGINEER.

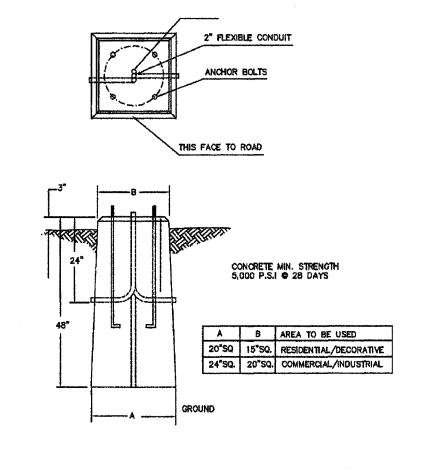
2) A 3'-0 $\frac{3}{4}$ " x 1'-7 $\frac{3}{8}$ " GALVANIZED, BICYCLE

SAFE GRATE SHALL BE USED

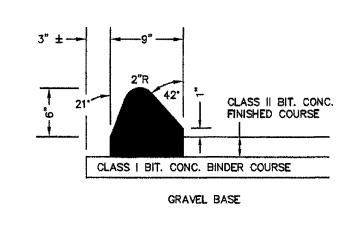
'C' TYPE CATCH BASIN TOP



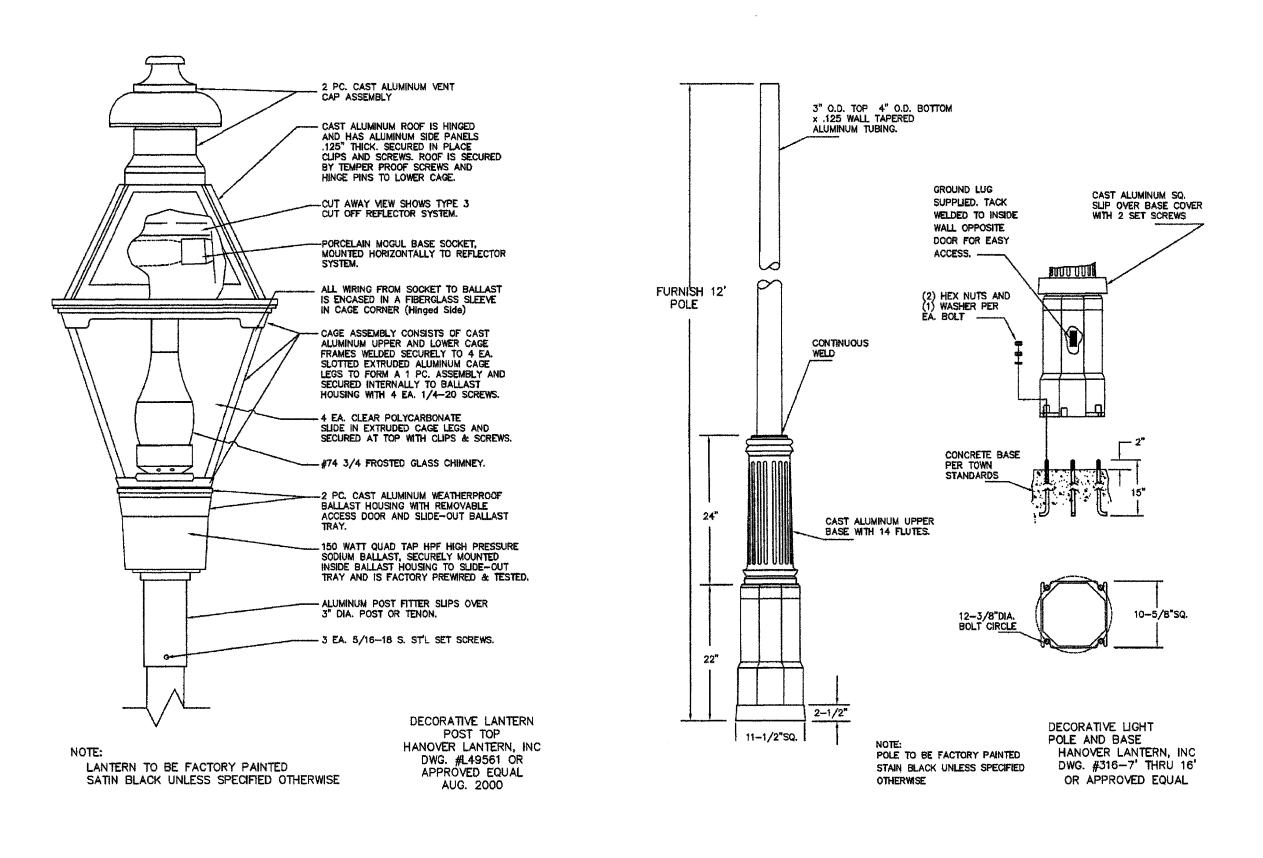
SANITARY SEWER TRENCH



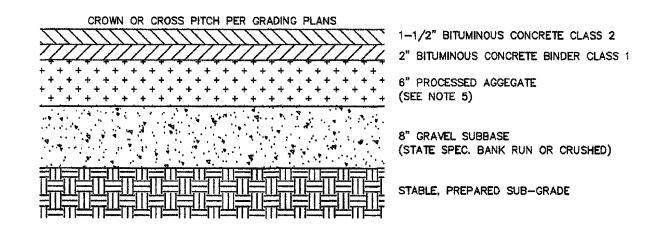
PRECAST CONCRETE LIGHT STANDARD BASE



BITUMINOUS CONCRETE LIP CURBING



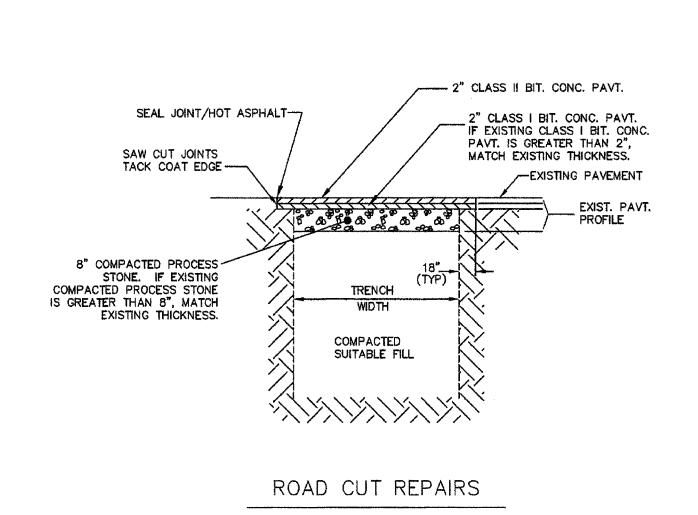
DECORATIVE SITE LIGHTING



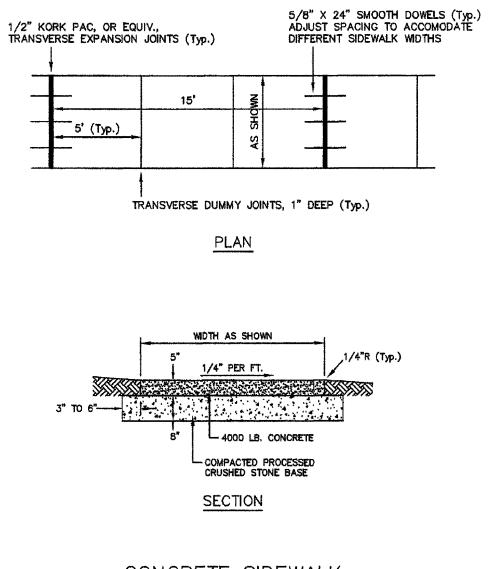
## NOTES:

- 1, SEE TOWN OF SIMSBURY DESIGN STANDARDS AND DETAIL SHEET FOR GUIDE RAIL REQUIREMENTS.
- ALL MATERIAL THICKNESSES ARE FOR COMPACTED DEPTHS.
- 3. IF BINDER COURSE IS LEFT AS A TOP COURSE FOR AN EXTENDED PERIOD, THE TOWN ENGINEER MAY REQUIRE THAT A TACK COAT OF BITUMINOUS MATERIAL BE APPLIED BEFORE LAYING THE BITUMINOUS CONCRETE SURFACE COAT.
- SUBBASE IN ROCK CUTS TO BE INCREASED TO 18".
- COARSE AGGREGATE SHALL BE BROKEN.
- IF THE PROPOSED COMPACTED SUBGRADE IS DEEMED UNSUITABLE BY TOWN ENGINEERING STAFF, IT SHALL BE REPLACED WITH A 12" OF BANK RUN GRAVEL SUBBASE.

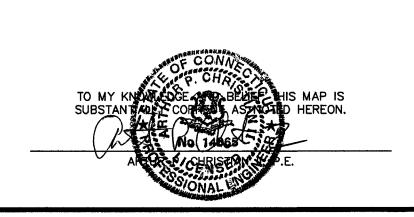
BITUMINOUS PAVEMENT SECTION

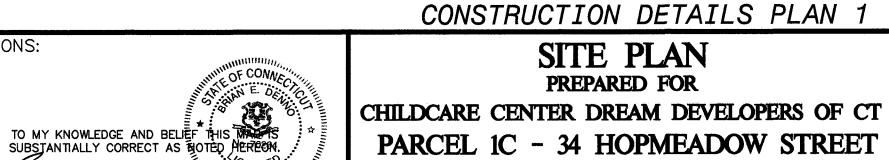


REVISIONS:



CONCRETE SIDEWALK





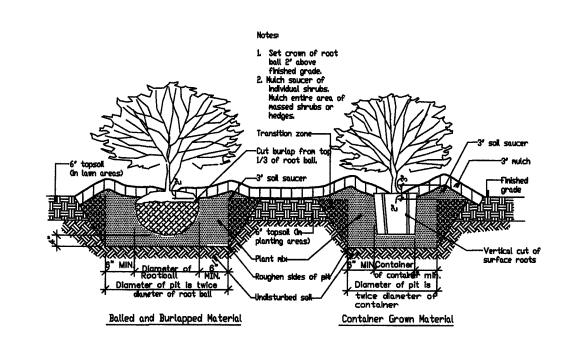
SIMSBURY, CONNECTICUT

NOT VALID UNLESS LIVE SIGNATURE AND EMBOSSED SEAL IS AFFIXED DENNO LAND SURVEYING & CONSULTING, LLC 2 TUNXIS RD STE. 210 TARIFFVILLE, CT 06081

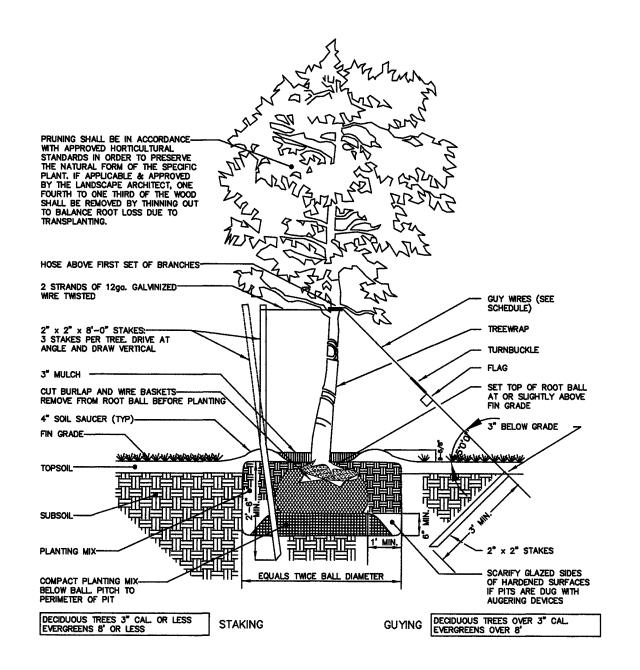
SIMSBURY, CONNECTICUT

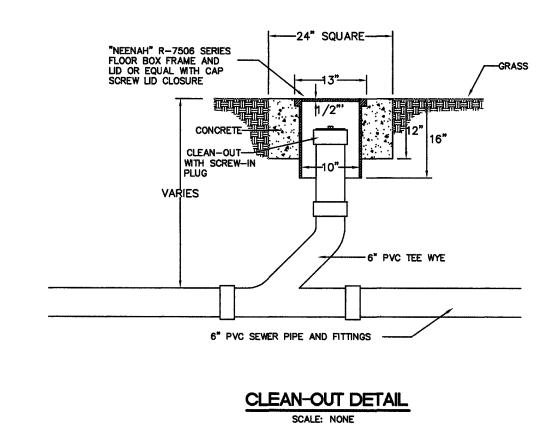
SCALE DATE SHEET NO. 7 OF 9

TUMINOUS PAVEMENT SECTION

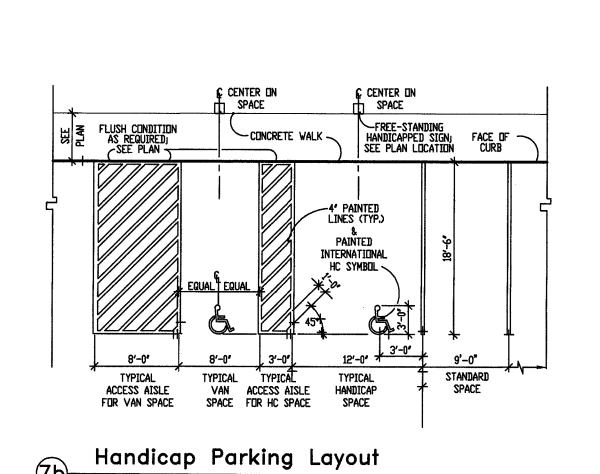


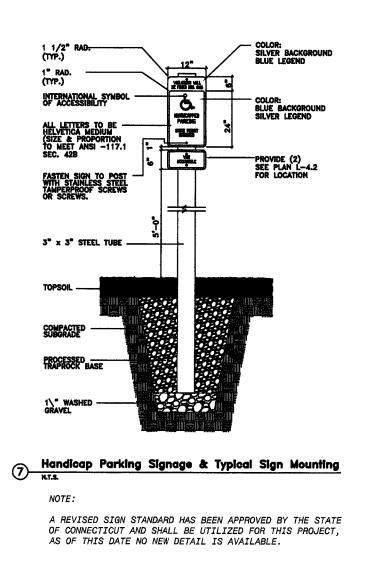
## SHRUB PLANTING DETAIL

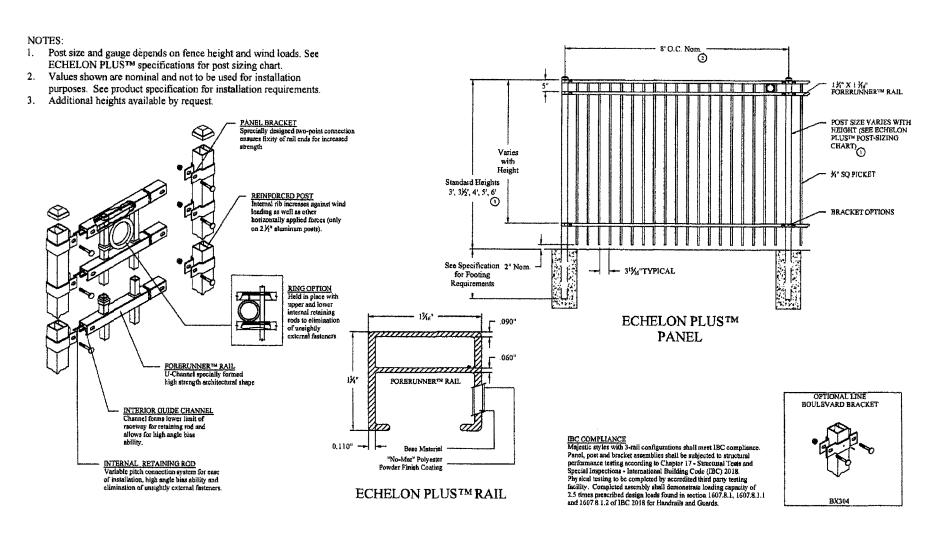




TREE PLANTING DETAIL





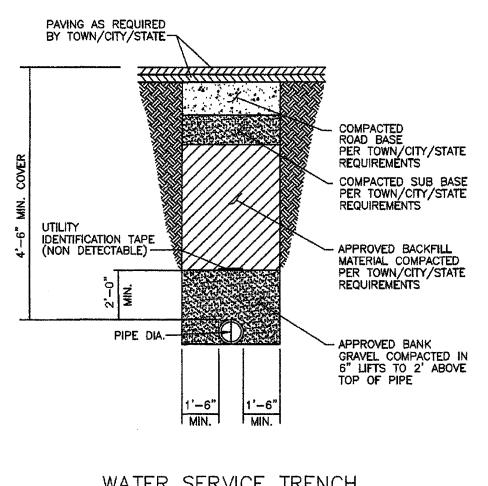


ECHELON PLUS™ MAJESTIC 3-RAIL PANEL AMERISTAR' ASSA ABLOY

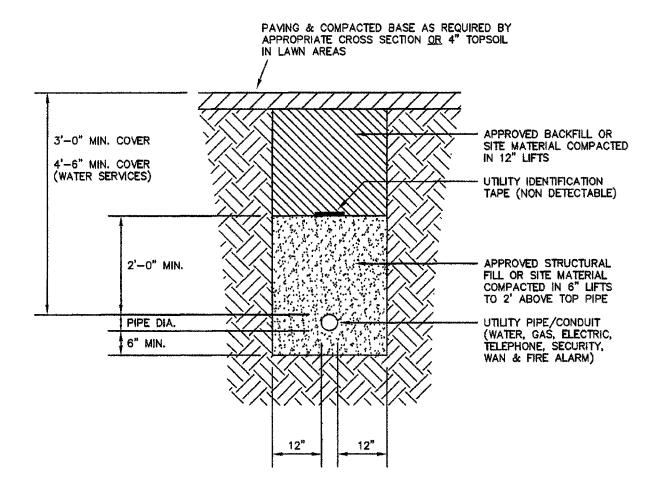
5' TALL ECHELON PLUS MAJESTIC BLACK ALUMINIUM FENCE

FENCE PRODUCTS

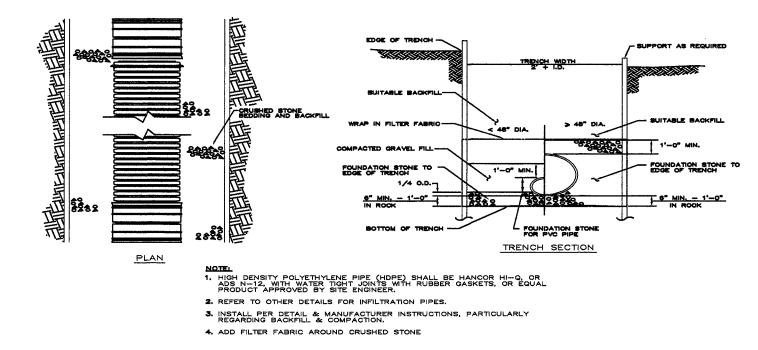
AMERISTARFENCE.COM | 800-321-8724



WATER SERVICE TRENCH



UTILITY TRENCH DETAIL

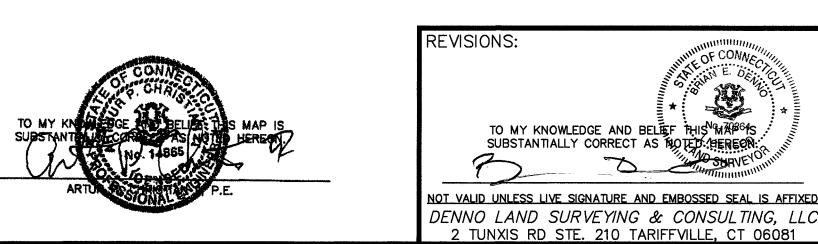


TYP. HDPE STORM SEWER PIPE INSTALLATION N.T.S.

# CONSTRUCTION DETAILS PLAN 2

SHEET NO.

8 OF 9



SITE PLAN PREPARED FOR CHILDCARE CENTER DREAM DEVELOPERS OF CT PARCEL 1C - 34 HOPMEADOW STREET SIMSBURY, CONNECTICUT SCALE 3/8/24

N. T. S.

#### EROSION AND SEDIMENTATION CONTROL PLAN

REFERENCE IS MADE TO THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (2002)AS AMENDED, AND TO THE TOWN HIGHWAY ENGINEERING STANDARDS AND SPECIFICATIONS. THE GUIDELINÈS ARE OBTAINABLE FROM THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION, STATE OFFICE BUILDING, HARTFORD, CONNECTICUT 06106, AND SHOULD BE USED AS A REFERENCE IN CONSTRUCTING THE EROSION AND SEDIMENT CONTROLS INDICATED ON THESE PLANS.

IN ALL AREAS, REMOVAL OF TREES, BUSHES AND OTHER VEGETATION AS WELL AS DISTURBANCE OF THE SOIL IS TO BE KEPT TO AN ABSOLUTE MINIMUM WHILE ALLOWING PROPER DEVELOPMENT OF THE SITE.

DURING CONSTRUCTION, EXPOSE AS SMALL AN AREA OF SOIL AS POSSIBLE FOR AS SHORT A TIME AS POSSIBLE. AFTER CONSTRUCTION, GRADE, RESPREAD TOPSOIL AND STABILIZE SOIL BY SEEDING AND MULCHING SO AS TO

THE CONTRACTOR SHALL NOTIFY THE TOWN ENGINEER AT THE BEGINNING AND END OF EACH STEP OF THE CONSTRUCTION PROCEDURE AND SHALL NOT PROCEED WITH THE NEXT STEP UNTIL THE TOWN ENGINEER HAS

THE STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION OF CONNECTICUT D.O.T. FORM 816 ARE THE OFFICIAL SPECIFICATIONS FOR CONSTRUCTION IN THE TOWN.

## SPECIAL PROVISIONS REGARDING WETLANDS AND WATERCOURSES

## GENERAL

WHENEVER CONSTRUCTION SHALL TAKE PLACE IN AREAS DESIGNATED AS WETLANDS, REGULATED AREAS OR AREAS TO BE ECOLOGICALLY PROTECTED, THE CONTRACTOR SHALL TAKE SPECIAL CARE WITH HIS CONSTRUCTION METHODS AND SHALL COMPLY WITH THE FOLLOWING REGULATIONS:

ANY PROCEDURES INVOLVING WATERCOURSES SHALL BE CONDUCTED IN SUCH A MANNER AS TO PREVENT INJURY TO PERSONS OR PUBLIC HEALTH, AND TO PREVENT FLOODING OF PUBLIC OR PRIVATE PROPERTY.

ALL EXISTING VEGETATION SHALL BE PROTECTED, AND ONLY THAT CLEARING AND CUTTING WHICH IS ABSOLUTELY NECESSARY FOR THE PROPOSED CONSTRUCTION OR TO CLEAR THE PERMANENT RIGHT-OF-WAY

ALL REGULATED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND CONTOUR EXCEPT AS SHOWN ON THE APPROVED GRADING PLAN.

EXCESS EXCAVATED MATERIAL, INCLUDING THAT RESULTING FROM CLEARING AND GRUBBING, SHALL NOT BE DEPOSITED WITHIN THE REGULATED AREA EXCEPT AS SHOWN ON THE APPROVED GRADING PLAN.

#### SEDIMENTATION CONTROL

ALL REGULATED AREAS AND WATERCOURSES SHALL BE PROTECTED FROM SEDIMENTATION BOTH DURING AND AFTER CONSTRUCTION. THIS PROVISION APPLIES PARTICULARLY TO DEWATERING ACTIVITIES, STORAGE OF EXCAVATED OR STOCKPILED MATERIAL AND TRENCH OR DITCH EXCAVATION.

#### WORK WITH REGULATED AREAS

IF PORTIONS OF THIS PROJECT ARE TO BE CONSTRUCTED IN WETLANDS, REGULATED AREAS AND WOODED AREAS. THE INTENT OF THIS CONTRACT IS TO LIMIT DISTURBANCE OF THESE AREAS TO WHAT IS ABSOLUTELY NECESSARY FOR CONSTRUCTION AND TO RESTORE THE AREAS AS CLOSELY AS POSSIBLE TO THEIR ORIGINAL NATURAL STATE. THE DEVELOPER WILL OBTAIN THE NECESSARY PERMIT FROM THE TOWN WETLANDS COMMISSION. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE PERMIT, THE MAPS HELD BY THE TOWN INDICATING THE LIMITS OF REGULATED AREAS AND CONDITIONS FOR CONSTRUCTION WITHIN THESE AREAS. THE CONTRACTOR SHALL BE REQUIRED TO STRICTLY ADHERE TO ALL REQUIREMENTS AND RESTRICTIONS IMPOSED BY THE WETLANDS PERMIT.

#### STRIPPING AND STOCKPILING

THE CONTRACTOR SHALL CAREFULLY STRIP ALL TOPSOIL, LOAM OR ORGANIC MATERIAL PRIOR TO TRENCHING OPERATIONS AND SHALL STORE THEM SEPARATELY FROM ALL OTHER MATERIALS DURING EXCAVATION. IN AREAS DESIGNATED AS REGULATED AREAS, THE UPPER STRATA TO A DEPTH OF 2 FEET SHALL BE STRIPPED AND STORED SEPARATELY. DURING BACKFILLING, THESE MATERIALS SHALL BE REPLACED AND FINISHED AS THEY EXISTED BEFORE CONSTRUCTION BEGAN, EXCEPT FOR SPECIAL ACCESS WAYS AS NOTED ON THE PLANS.

THE CONTRACTOR SHALL NOT INTRODUCE ANY QUANTITIES OF FILL MATERIALS INTO ANY AREAS DESIGNATED AS REGULATED AREAS EXCEPT AS SHOWN ON THE APPROVED GRADING PLANS.

THE CONTRACTOR SHALL MAINTAIN ALL BACKFILLED EXCAVATION IN PROPER CONDITION UNTIL EXPIRATION OF THE MAINTENANCE PERIOD. ALL DEPRESSIONS APPEARING IN THE BACKFILLED EXCAVATION SHALL BE PROPERLY FILLED AND RESEEDED IF NECESSARY.

## DISPOSAL OF TREES AND BRUSH

ILL SAPLING TREES AND BRUSH CUT ON THE JOB SHALL BE CHIPPED FOR DISPOSAL. WOOD CHIPS SHALL BE 1/8 INCH NOMINAL THICKNESS WITH NOT LESS THAN 50 PERCENT OF THE CHIPS HAVING AN AREA NOT LESS THAN ONE (1) SQUARE INCH, NOR MORE THAN SIX (6) SQUARE INCHES. THE CHIPS SHALL BE DISPOSED OF BY UNIFORM SPREADING OVER THE PROJECT IN WOODED AREAS DESIGNATED BY THE ENGINEER.

## ALL OTHER CUT TREES AND STUMPS SHALL BE REMOVED FROM THE REGULATED AREAS.

## TRENCH EXCAVATION AND BACK FILL

CARE SHALL BE TAKEN TO EXCAVATE TO THE CORRECT LINE AND GRADE AND WIDTH AT ALL POINTS. THE METHODS AND EQUIPMENT USED FOR EXCAVATION MUST BE ADAPTED TO THE CONDITIONS AT THE SITE AND THE DIMENSIONS OF THE REQUIRED TRENCH. THE WIDTH OF THE DISTURBED GROUND OR STREET SURFACE, CUT OR DISTURBED, SHALL BE KEPT AS SMALL AS PRACTICABLE TO ACCOMMODATE THE WORK.

TRENCH EXCAVATION BELOW THE TWO FOOT DEPTH WHICH IS TO BE STRIPPED AND STORED SEPARATELY SHALL BE STOCKPILED AND SHALL BE USED AS THE TRENCH BACKFILL MATERIAL IN THE WETLANDS AREA, UNLESS THE ENGINEER DECLARES IT UNSUITABLE FOR BACKFILL MATERIAL. EXCESS EXCAVATED MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR IN AN AREA DESIGNATED BY THE ENGINEER.

THE CROSSING OF STREAMS WITH UNDERGROUND UTILITIES WILL BE ACCOMPLISHED BY INSTALLING A LARGE DIVERSION PIPE IN THE EXISTING CHANNEL AND THEN TUNNELING UNDER THE BED. ONCE THE UTILITY IS INSTALLED THE DIVERSION PIPE SHALL BE REMOVED LEAVING THE STREAM ESSENTIALLY UNDISTURBED.

SMALL WATERCOURSES THAT CAN BE TEMPORARILY DAMMED UP SHALL BE RESTRICTED WITH BALED HAY, STONES AND/OR TIMBERS TO PREVENT SILTING.

WATER PUMPED FROM POORLY DRAINED AREAS AND THE TRENCH EXCAVATION SHALL BE FREE FROM SILT AND SHALL BE DISCHARGED SO AS TO MINIMIZE TURBULENCE IN ADJACENT WATERCOURSES. IF NECESSARY, WATER SHALL BE DISCHARGED TO SILTATION PONDS PRIOR TO DISCHARGE TO THE STREAM.

# THE FINAL RESTORATION AND RESEEDING SHALL BE DONE IN ACCORDANCE WITH OTHER SPECIFICATIONS IN THIS

## EROSION AND SEDIMENTATION CONTROL MEASURES

ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.

F.. SYNTHETIC FILTER BARRIER FENCE AS SPECIFIED IS TO BE INSTALLED AT ALL LOCATIONS AS INDICATED ON THE PLANS TO INTERCEPT SILT AND SEDIMENT BEFORE IT REACHES THE DRAINAGE SYSTEM, WETLANDS OR WATERCOURSES. DEPOSITS OF SEDIMENT AND SILT ARE TO BE PERIODICALLY REMOVED FROM THE UPSTREAM SIDE OF THE FENCE. THIS MATERIAL IS TO BE SPREAD AND STABILIZED IN AREAS NOT SUBJECT TO EROSION, OR TO BE USED AS FILL IN AREAS WHICH ARE NOT TO BE PAVED OR BUILT ON. THE FENCE IS TO BE REPLACED AS NECESSARY TO PROVIDE PROPER FILTERING ACTION. THE FENCE IS TO REMAIN IN PLACE AND TO BE MAINTAINED TO INSURE EFFICIENT SILTATION CONTROL UNTIL ALL AREAS ABOVE THE FENCE

. RIP-RAP AS SPECIFIED IS TO BE INSTALLED AT THESE POINTS AS ENERGY DISSIPATION STRUCTURES. THE RIP-RAP IS TO BE INSTALLED BEFORE THE OUTLET STRUCTURES ARE ACTIVATED AND ALL ADJACENT AREAS ARE TO BE IMMEDIATELY SEEDED IF IN SEASON, OR THE SOIL IS TO BE STABILIZED BY OTHER METHODS. THIS MAY REQUIRE SODDING OR MULCHING OR OTHER METHODS AS DEFINED IN THE "GUIDELINES".

D., AN INTERCEPTOR DIKE IS TO BE INSTALLED IN THE ROADWAY AT THIS POINT TO DIVERT RUNOFF FLOWING IN THE ROADWAY TO A TEMPORARY OUTLET. THE DIVERSION IS TO REDUCE RUNOFF AND EROSION IN THE ROADWAY DOWNSTREAM OF THE DIVERSION. THE INTERCEPTOR DIKE SHALL BE INSTALLED AFTER ROUGH GRADING OF THE ROADWAY AND SHALL REMAIN IN PLACE UNTIL JUST BEFORE THE ROAD BASE AND SURFACE COURSES ARE

## ESTABLISHING VEGETATION COVER ON DISTURBED AREAS

- SCARIFY SURFACE OF ALL AREAS TO BE TOPSOIL AND PLACE A MINIMUM OF 4" SCREENED 1/4" MINUS OF
- TOPSOIL ON ALL AREAS TO BE SEEDED. APPLY LIME AT A RATE OF TWO TONS OF GROUND LIMESTONE PER ACRE. (100
- LBS./1000 SQ. FT.) FERTILIZE
  - a) FOR SPRING SEEDING, APPLY 10-10-10 FERTILIZER AT A RATE OF 300 LBS.
- PER ACRE (7 LBS./1000 SQ. FT.) AND WORK INTO SOIL. SIX TO EIGHT
  WEEKS LATER, APPLY AN ADDITIONAL 300 LBS. PER ACRE ON THE SURFACE.

  b) FOR FALL SEEDING, APPLY 10-10-10 FERTILIZER AT A RATE OF 600 LBS.
- PER ACRE (14 LBS./1000 SQ. FT.) AND WORK INTO SOIL.
- SMOOTH AND FIRM SEEDBED, APPLY SEED UNIFORMLY AT THE RATE SPECIFIED FOR THE SEED TYPE AND COVER SEED WITH NOT MORE THAN 1/4" OF SOIL.
- MULCH IMMEDIATELY WITH HAY FREE FROM WEAK SEEDS, AT A RATE OF 3 BALES PER

## PERMANENT SEEDINGS, WHERE AN AREA WILL BE EXPOSED FOR MORE THAN ONE YEAR,

AREA WHERE SEED MIX APPLIES	SEEDING MIXTURE BY WEIGHT	RATE PER 1000 SQ. FT.	SEEDING DATES
ALL LAWN AREAS	CREEPING RED FESCUE KENTUCKY BLUEGRASS PERENNIAL RYEGRASS	0.45 LB 0.45 LB 0.10 LB 1.00 LB	APRIL 15 - JUNE 15 OR AUGUST 15 - SEPT 15
ROAD CUTS & FILLS AND DIVERSION DITCHES	CREEPING RED FESCUE REDTOP TALL FESCUE OR SMOOTH BROMEGRASS	0.45 LB 0.05 LB 0.45 LB 0.95 LB	APRIL 15 — JUNE 15 OR AUGUST 15 — SEPT 15
VERY STEEP SLOPES	CREEPING FESCUE REDTOP CROWN VETCH	0.45 LB 0.05 LB 0.35 LB 0.85 LB	APRIL 15 — JUNE 15 OR AUGUST 15 — SEPT 15
NO MAINTENANCE AREAS	RED CANARYGRASS REDTOP	0.45 LB 0.10 LB 0.55 LB	APRIL 15 — JUNE 15 OR AUGUST 15 — SEPT 15

IF TREES ARE TO BE RETAINED, THE SEED MIX SHOULD BE ADAPTED FOR SHADY

#### 7. TEMPORARY SEEDING: TO PROTECT THE SOIL OVER THE WINTER.

SPECIES	RATE/1000 SQ. FT.	OPTIMUM SEEDING 1,3 DATE	OPTIMUM SEED <sup>2</sup> DEPTH
ANNUAL RYEGRASS	1.0	3/1 - 6/15 8/1 - 10/1	0.5
PERENNIAL RYEGRASS	1.0	3/15 - 6/15 8/1 - 10/1	0.5
WINTER RYE	3.0	4/15 - 6/15 8/15 - 10/1	1.0
OATS	2.0	3/1 - 6/15 8/1 - 10/1	1.0
WHEAT	3.0	4/1 - 6/15 8/15 - 10/1	1.0
MILLET	0.5	6/1 - 7/1 5/15 - 8/15	1.0
SUDANGRASS	0.7	5/15 - 8/15	1.0
BUCKWHEAT	0.4	4/1 - 9/15	1.0
WEEPING LOVEGRASS	0.2	6/1 - 7/1	0.25

- MAY BE PLANTED THROUGHOUT SUMMER IF SOIL MOISTURE IS ADEQUATE OR CAN BE IRRIGATED.
- SEED AT TWICE THE INDICATED DEPTH FOR SANDY SOIL.
  THE FALL SEEDING DATES MAY BE EXTENDED 15 DAYS IN THE COASTAL TOWNS OF NEW LONDON, MIDDLESEX, NEW HAVEN AND FAIRFIELD COUNTIES.

SOURCE: U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, STORRS, CONN.

ORGANIC MULCH MATERIALS AND APPLICATION RATES

MULCHES	RATES PER ACRE	RATES PER 1000 SQ.FT. <sup>2</sup>	NOTES
STRAW OR HAY	1 1/2 - 2 TONS	70 — 90 LBS.	FREE FROM WEEDS AND COARSE MATTER. MUST BE ANCHORED. SPREAD WITH MULCH BLOWER OR BY HAND.
WOOD FIBER	1000 — 2000 LBS.	25 - 50 LBS.	FIBERS 4MM OR LONGER. DO NOT USE ALONE IN WINTER OR DURING HOT, DRY WEATHER. APPLY AS SLURRY.
CORN STALKS	4 - 6 TONS	185 — 275 LBS.	CUT OR SHREDDED IN 4-6 INCH LENGTHS. AIR DRIED. DO NOT USE IN FINE TURF AREAS. APPLY WITH MULCH BLOWER OR BY HAND.

2 SEED AT TWICE THE INDICATED DEPTH FOR SANDY SOIL.

## INSTALLATION REQUIREMENTS FOR ORGANIC MULCHES

ORGANIC MULCHES MAY BE USED IN ANY AREA WHERE MULCH IS REQUIRED, SUBJECT TO THE RESTRICTIONS

SELECT MULCH MATERIAL BASED ON SITE CONDITIONS, AVAILABILITY OF MATERIALS, AND LABOR AND EQUIPMENT. FIGURE 7-1 LISTS THE MOST COMMONLY USED ORGANIC MULCHES. OTHER MATERIALS MAY BE USED WITH THE PERMISSION OF THE APPROVING AUTHORITY.

## 2. PRIOR TO MULCHING

COMPLETE THE REQUIRED GRADING AND INSTALL NEEDED SEDIMENT CONTROL MEASURES.

## APPLICATION

MULCH MATERIALS SHALL BE SPREAD UNIFORMLY, BY HAND OR MACHINE. APPROXIMATELY 1000 SQUARE FOOT SECTIONS AND PLACE 70-90 LBS (1-1/2 TO 2 BALES) OF STRAW OR WHEN SPREADING STRAW OR HAY MULCH BY HAND, DIVIDE THE AREA TO BE MULCHED INTO HAY IN EACH SECTION TO INSURE UNIFORM DISTRIBUTION.

## 4. ORGANIC MULCH ANCHORING

STRAW OR HAY MULCH MUST BE ANCHORED IMMEDIATELY AFTER SPREADING TO PREVENT WINDBLOWING. OTHER ORGANIC MULCHES DO NOT REQUIRE ANCHORING. THE FOLLOWING METHODS OF ANCHORING STRAW OR HAY MAY BE USED.

## A. MULCH ANCHORING TOOL

THIS IS A TRACTOR-DRAWN IMPLEMENT DESIGNED TO PUNCH MULCH INTO THE SOIL SURFACE. THIS METHOD PROVIDES MAXIMUM EROSION CONTROL WITH STRAW. IT IS LIMITED TO USE ON SLOPES NO STEEPER THAN 3 TO 1 (3 HORIZONTALLY TO 1 VERTICALLY), WHERE EQUIPMENT CAN OPERATE SAFELY. MACHINERY SHALL BE OPERATED ON THE CONTOUR.

## TRACKING

APPLY MULCH AND DRIVE TRACKED EQUIPMENT UP AND DOWN SLOPE OVER ENTIRE SURFACE SO CLEAT MARKS ARE PARALLEL TO CONTOUR.

## C. MULCH NETTINGS

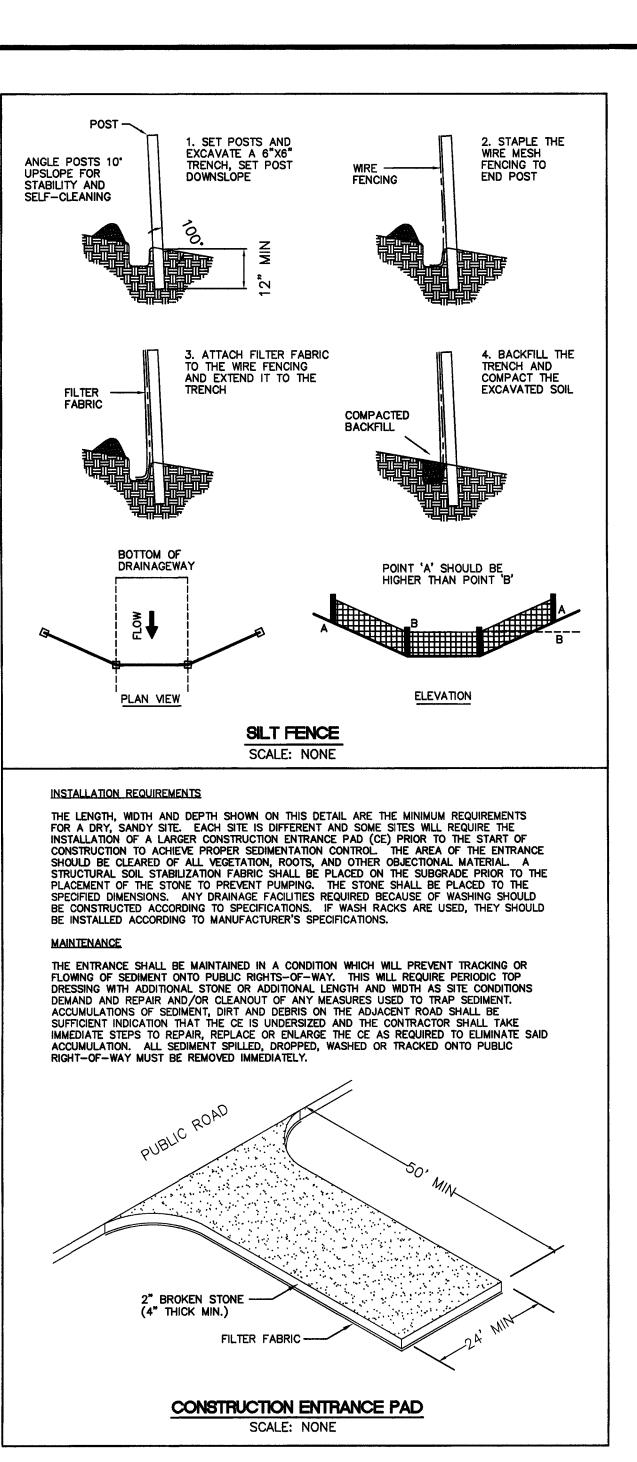
INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

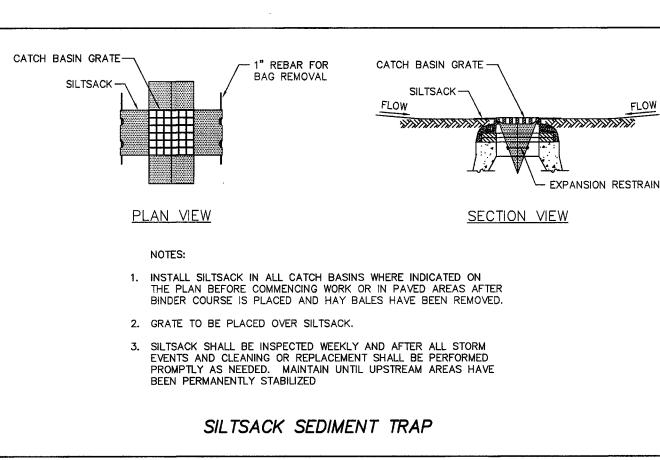
## MAINTENANCE

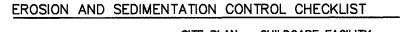
ALL MULCHES MUST BE INSPECTED PERIODICALLY. IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR RILL EROSION. NETTING SHOULD BE INSPECTED AFTER RAINSTORMS FOR DISLOCATION OR FAILURE. IF WASHOUTS OR BREAKAGE OCCUR, REINSTALL NETTING AS NECESSARY AFTER REPAIRING DAMAGE TO THE SLOPE INSPECTIONS SHOULD TAKE PLACE UNTIL 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. WHERE MULCH IS USED IN CONJUNCTION WITH ORNAMENTAL PLANTING, INSPECT PERIODICALLY THROUGHOUT THE YEAR TO DETERMINE IF MULCH IS MAINTAINING COVERAGE OF THE SOIL SURFACE; REPAIR AS NEEDED.

STUMPS SHALL BE REMOVED FROM THE SITE OR GROUND ON SITE TO BE USED AS MULCH. STUMPS SHALL NOT BE BURIED ON SITE.

REGISTRATION WITH THE DEP IS REQUIRED FOR THE OVER ALL SITE DISTURBANCE OF MORE THAN 5 ACRES BUT LESS THAN 10 ACRES.







<u> SITE PLAN - CHILDCARE FACILITY</u> 560-566 HOPMEADOW STREET LOCATION: PROJECT DESCRIPTION: 15,000 SQ. FT. BUILDING, PARKING, PLAYGROUNDS AND UTILITIES

PARCEL AREA: 4.783 ACRES

RESPONSIBLE PERSONNEL:

HARRY FREEMAN 1-860-803-0807

#### EROSION AND SEDIMENT CONTROL PLAN PREPARER:

TARIFFVILLE, CONNECTICUT 06081

DENNO LAND SURVEYING & CONSULTING, LLC (860) 408-9167 2 TUNXIS ROAD SUITE 210

### CHECKLIST:

WORK DESCRIPTION  Erosion & Sediment Control Measures	LOCATION	DATE INSTALLED	INITIALS	DATE REMOVED	INITIALS
SILT FENCE	TOE OF SLOPES				
	STOCKPILES				
TOPSOIL, MULCH & SEED	ALL DISTURBED AREAS				
CONSTRUCTION ENTRANCE	ACCESS DRIVE				
SILT SACK	EXISTIN CATCH BASIN				
SIL1 SAUK	CAISTIN ONTOR BASIN				

#### MAINTENANCE OF MEASURES:

LOCATION	DESCRIPTION OR NUMBER	DATE	INITIALS
TOE OF SLOPES	SILT FENCE		
STOCKPILES	SILT FENCE		
ALL DISTURBED AREAS	TOPSOIL, MULCH & SEED		
ACCESS DRIVE	CONSTRUCTION ENTRANCE		
EXISTIN CATCH BASIN	SILT SACK		

## PROJECT DATES:

DESCRIPTION	DATE	INIΠALS
DATE OF GROUNDBREAKING FOR PROJECT		
DATE OF FINAL STABILIZATION		

## CONSTRUCTION SCHEDULE:

- 1. DEVELOPER'S SURVEYOR TO STAKE AND CLEARLY MARK THE EDGE OF VEGETATION TO REMAIN UNDISTURBED.
- 2. ERECT BRIGHT NYLON BARRIER TAPE ALONG EDGE OF CLEARING.
- 3. REMOVE TREES, BRUSH AND STUMPS IN AREAS TO BE CLEARED.
- 4 INSTALL ALL EROSION AND SEDIMENTATION CONTROL MEASURES. 5. STRIP AND STOCK TOPSOIL, PROTECT FROM EROSION.
- 6. CONSTRUCT BUILDING, UTILITIES, PARKING AND STORAGE AREAS.
- 7. INSTALL LANDSCAPING.
- 8. GRADE, STABILIZE, SEED AND MULCH ALL DISTURBED AREAS.
- 9. ONCE SITE IS STABILIZED REMOVE ALL EROSION CONTROLS.

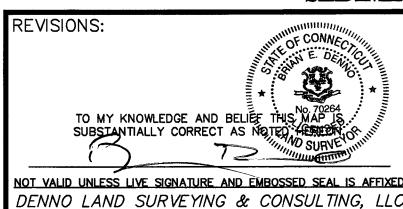
PROJECT NARRATIVE THE PROPOSED PROJECT WILL CONSIST OF CONSTRUCTING A 15,000± SQ. FT. DAYCARE FACILITY ALONG WITH A 50 SPACE PARKING LOT, 24' WIDE ACCESS DRIVE, PLAYGROUND, ASSOCIATED UTILITIES AND DETENTION PONDS, ON A 3.8±

THE 3.8± AC. SITE CONSISTS MOSTLY OF AN OPEN MEADOW WITH 286± SQ. FT. OF WETLANDS AT THE 30" OUTLET IN THE SOUTH EAST CORNER. THE STORMWATER SYSTEM FOR THE PROPOSED 15,000 SQ. FT. BUILDING HAS BEEN DESIGNED TO PROTECT ITS NATURAL HABITAT TO THE GREATEST EXTENT PRACTICAL, THE PROPOSED DRAINAGE SYSTEM WILL CONSIST OF A SERIES OF BEST MANAGEMENT PRACTICES (BMP'S) THAT INCLUDE THREE DETENTION PONDS TO CAPTURE AND FILTER THE EXISTING STORM WATER COMING ONTO THE SITE AND THE PROPOSED RUNOFF OF THE NEW DEVELOPMENT. 2 FOOT SUMP INLET STRUCTURES, PREFORMED SCOUR HOLE AND A DETENSION POND SIZED TO HOLD A 100 YEAR STORM WITH 1-FOOT OF FREE BOARD.

SEDIMENT & EROSION CONTROL NARRATIVE THE SEDIMENT AND EROSION CONTROL PLAN WAS DEVELOPED TO PROTECT THE EXISTING ROADWAY AND STORM DRAINAGE SYSTEMS, ADJACENT PROPERTIES, AND THE WETLAND AREA FROM SURFACE RUNOFF AND EROSION. A CONSTRUCTION SEQUENCE IS PROVIDED TO PROVIDE SURFACE RUNOFF CONTROLS PRIOR TO THE PROJECT CONSTRUCTION BEGINNING.

THE CONTRACTOR SHALL INSTALL ALL SPECIFIED EROSION CONTROL MEASURES AND WILL BE REQUIRED TO MAINTAIN THEM IN THEIR INTENDED FUNCTIONING CONDITION. THE AGENTS OF THE DIRECTOR OF PUBLIC WORKS, INLAND WETLANDS AGENCY AND/OR SITE ENGINEER SHALL HAVE THE AUTHORITY TO REQUIRE SUPPLEMENTAL MAINTENANCE OR ADDITIONAL MEASURES IF FIELD CONDITIONS ARE ENCOUNTERED BEYOND WHAT WOULD NORMALLY BE ANTICIPATED.

## SEDIMENTATION & EROSION CONTROL DETAILS



2 TUNXIS RD STE. 210 TARIFFVILLE, CT 06081

## SITE PLAN PREPARED FOR

CHILDCARE CENTER DREAM DEVELOPERS OF CT PARCEL 1C - 34 HOPMEADOW STREET SIMSBURY, CONNECTICUT

SCALE 9 OF 9

34 HOPMEADOW ST., 100' ABUTTER LIST

E18 601 021

FLT MEADOWS FLTE LLC &

6191 STATE HIGHWAY SUITE 100

**IRVING** 

TX 75038

E19 601 039

RUBI HOPMEADOW LLC 195 WEST MAIN STREET

AVON

CT 06001

E18 601 035A

**CZARNESKI DAVID** 

59 HOPMEADOW STREET

WEATOGUE

CT 06089

E19 117 001-1A

2 HOPMEADOW STREET REALTY CO LLC

**184 FERN AVENUE** 

LITCHFIELD

CT 06759

E19 617 003

HACKNEY THOMAS J AND JESSICA N

1 LINCOLN LANE

WEATOGUE

CT 06089

E19 617 001

MYLANDER THOMAS R AND PHILIPPA A

16 BLUE RIDGE DRIVE

WEATOGUE

CT 06089

E19 117 001C

34 HOPMEADOW STREET REALTY CO

184 FERN AVE

LITCHFIELD

CT 06759

E19 117 001-1B

SIMSBURY DEVELOPERS LLC

820 MORRIS TURNPIKE SUITE 301

SHORT HILLS

NJ 07078

E19 617 042

SHELLITO DAVID & PAULA

23 HOPMEADOW STREET

WEATOGUE

CT 06089

E19 601 001

TROUERN-TREND JOHN B G AND VIOLET

2 LINCOLN LANE

WEATOGUE

CT 06089

E18 117 001-2

INFINITY IV LLC

184 FERN AVE

LITCHFIELD CT 06759



GIS CODE #:	
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79 Elm Street • Hartford, CT 06106-5127

www.ct.gov/deep

Affirmative Action/Equal Opportunity Employer

## Statewide Inland Wetlands & Watercourses Activity Reporting Form

Please complete this form in accordance with the instructions on pages 2 and 3 and mail to:

DEEP Land & Water Resources Division, Inland Wetlands Management Program, 79 Elm Street, 3<sup>rd</sup> Floor, Hartford, CT 06106

Incomplete or incomprehensible forms will be mailed back to the inland wetlands agency.

	incomplete of incomplemensible forms will be mailed back to the inland wetlands agency.
	PART I: Must Be Completed By The Inland Wetlands Agency
1.	DATE ACTION WAS TAKEN: year: month:
2.	ACTION TAKEN (see instructions - one code only):
3.	WAS A PUBLIC HEARING HELD (check one)? yes ☐ no ☐
4.	NAME OF AGENCY OFFICIAL VERIFYING AND COMPLETING THIS FORM:
	(print name) (signature)
	PART II: To Be Completed By The Inland Wetlands Agency Or The Applicant
5.	TOWN IN WHICH THE ACTIVITY IS OCCURRING (print name):
	does this project cross municipal boundaries (check one)? yes no
	if yes, list the other town(s) in which the activity is occurring (print name(s)):
6.	LOCATION (see instructions for information): USGS quad name:
	subregional drainage basin number: 4317-00
7.	NAME OF APPLICANT, VIOLATOR OR PETITIONER (print name): CHILD CARE CENTER DREAM (MELLIPERS OF
8.	NAME & ADDRESS OF ACTIVITY / PROJECT SITE (print information): PARCEL E18- (17-00)-1C HOPMERDOW ST.
	briefly describe the action/project/activity (check and print information): temporary □ permanent ☑ description: □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □
	ACTIVITY PURPOSE CODE (see instructions - one code only):
10	ACTIVITY TYPE CODE(S) (see instructions for codes):/,2,9,12
11.	. WETLAND / WATERCOURSE AREA ALTERED (see instructions for explanation, must provide acres or linear feet):
	wetlands: 0 00 acres open water body: 0 acres stream: 0 linear feet
12	UPLAND AREA ALTERED (must provide acres): acres
13	AREA OF WETLANDS / WATERCOURSES RESTORED, ENHANCED OR CREATED (must provide acres): acres
D	ATE RECEIVED: PART III: To Be Completed By The DEEP DATE RETURNED TO DEEP:
F(	DRM COMPLETED: YES NO FORM CORRECTED / COMPLETED: YES NO

CIL # 1106 \$ 260 - Apps Town of smisbury westands state - \$60
Town Westands - \$200
(partial)

Denno Land Surveying & Cons., LLC
Denno Land Surveying & Cons., LLC  2 Tunxis Rd., Ste. 214  Tariffville, CT 06081  1107
DATE 3/13/24
PAY TO THE ORDER OF SMORWY \$ 250-
Mat Bank DOLLARS DOLLARS
FOR Daycare Hepmeadow St. adden
""OO170\" ""O55000078"; 7800024773"

#1107 bal due amount - \$ 250 Town total \$ 450-