

# **Fundamentals of Site Plan Reading**

# Welcome!



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UConn Department of Extension Center for
Land Use, Education and Research
(CLEAR)
College of Agriculture, Health and Natural
Resources



Water



Land Use & Climate Resiliency



Geospatial Tools & Training



STEM Education & Local Conservation

## **CLEAR Program Areas**



Website:

**UCONN** 

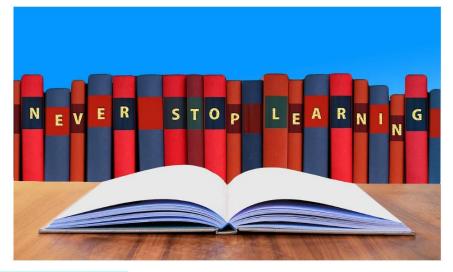
clear uconn edu

# Important Information

- ☐ Training is not legal advice
- More training at:

https://clear.uconn.edu/lua/upcoming/

- □ Discussion is encouraged
- □ Exits
- □ Restrooms
- Interactive and hands on
- □ Let's have fun!









# Land Use Academy Fundamentals of Reading Plans

#### We will Cover:

- Plans = engineered drawings showing existing conditions and proposed development
- Scale, Measuring Distances and Topography
- Reading A Site Plan (Great Neck School, Waterford, CT)



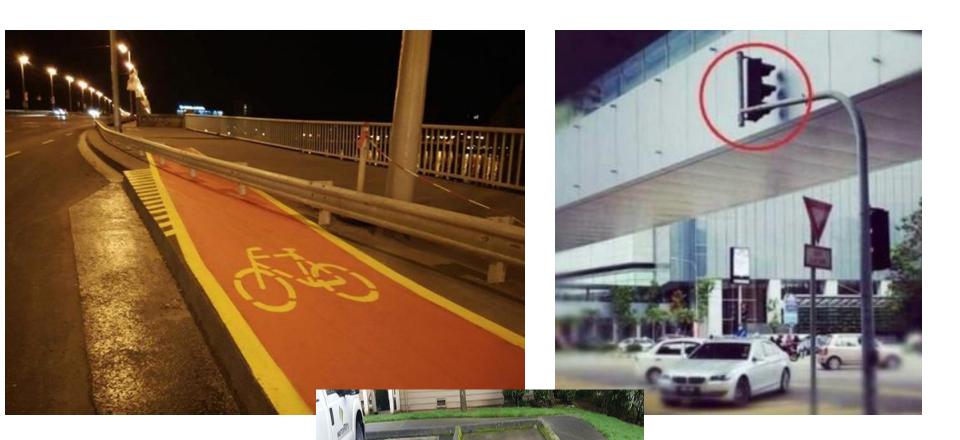




- CGS Sec. 8-4c
- Land Use Commissions make decisions that affect a community's quality of life for generations, where investment takes place and an individual's or business's financial well being.









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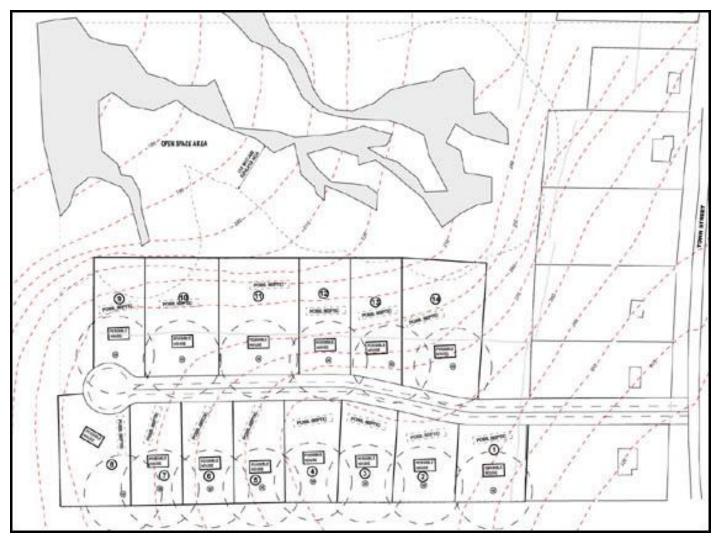






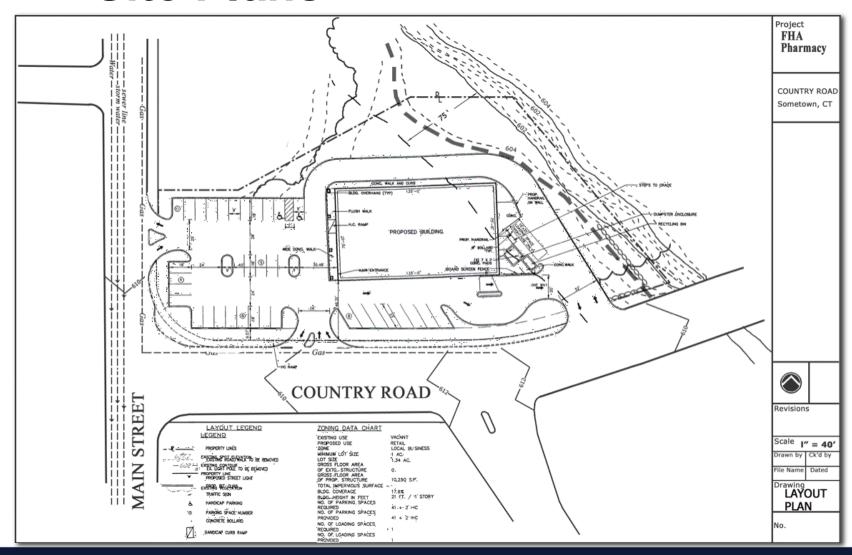
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## **Subdivision Plans**





## **Site Plans**





### What Does This Map/Plan Tell Me?





#### A map may not represent what is on the ground

-Alford Korzybski



Maps are 2-dimensional representations of complex landscapes...at a specific point in time!





#### What you see may look something like this



#### Proposed Mixed-Use Development

12 North Main Street (Formerly 14 North Main Street) Manchester, Connecticut



SCALE: 1"=500'

#### Sheet Index:

Property & Topographic Survey Map S1 R1 Removal and Demolition Plan C1 Site Layout & Landscaping Plan C2 Site Development Plan ES1 Soil Erosion & Sedimentation Control Plan ES2 Soil Erosion & Sediment Control Details D1 Details D2 Details D3 Details

	UNIT ADDRESSES		
	UNIT #	MAILING ADDRESS	
	RETAIL 1	12-124 North Hain Street	
	RETAIL 2	12-122 North Hain Street	
	RETAL 3	12-125 North Blain Street	
	RETAL 4	12-123 North Blain Street	
	RETAIL 5	12-121 North Hain Street	
	1st Floor - Studio	12-102 North Hain Street	
	141 Floor - Stadio	12-106 North Hair Street	
	1st Floor - 1 Red	12-101 North Black \$3eed	
	fat.Floor - 1 Bed	12-103 North Hain Street	
	fat Floor - 1 Bed	12-105 North Hain Street	
	1st Floor - 1 Red	12-107 North Hair Street	
	2nd Floor - Studio	12-002 North Hair Street	
	2nd Floor - Studio	12-304 North Hain Street	
	2nd Floor - 1 Bed	12-201 North Hain Street	
	3rd Floor - 1 Bed	12-000 North Hair Street	
	3rd Floor - 1 Bed	12-306 North Hair Street	
	2nd Floor - 1 Bed	12-007 North Blain Street	
	2nd Floor - 1 Bed	12-308 North Hain Street	
	2nd Floor - 1 Bed	12-211 North Hain Street	
	3rd Floor - 1 Bed	12-013 North Hair Street	
	2nd Floor - Studio	12-314 North Hair Street	
	2nd Floor - Studio	12-216 North Hain Street	
	2nd Floor - Studio	12-218 North Hain Street	
	2nd Floor - 1 Bed	12-215 North Blain Etreet	
	2nd Floor - 1 Bed	12-317 North Main Street	
-	2nd Floor - 1 Bed	12-219 North Hain Street	
	34 Floor - Studie	12-902 North Main \$3eed	
١ ١	SV Floor - Studie	12-306 North Blain Street	
- 11	3rd Floor - Studie	12-906 North Blain Etreet	
- 11	3rd Floor - 1 Bed	12-301 North Hain Sheet	
- 11	3rd Floor - 1 Bed	12-303 North Hain Street	
- 11	3d Floor - 1 Bed	12-306 North Main \$3eed	
- 11	3d Floor - 1 Bed	12-907 North Hair \$3eed	
- 1	3rd Floor - 2 God	12-308 North Hain Sheet	
-11	3rd Floor - 2 God	12-315 North Hain Sheet	
- 11	3rd Floor - 2 Bed	12-311 North Blain Street	
_1	3rd Floor - 2 Bed	12-312 North Main Street	
	3rd Floor - 2 Bed	12-313 North Hain Street	

#### Applicant:

3 Squared, LLC 100 Center Street Southington, Connecticut 06489

#### Property Owner:

3 Squared, LLC 100 Center Street Southington, Connecticut 06489

#### Consultants:

Engineering & Surveying Harry E. Cole & Son P.O. Box 44 - 876 South Main Street Plantsville, Connecticut 06489 Tel. (860) 628-4484 Fax (860) 620-0196

PREPARED FOR

3 Squared, LLC

December 20, 2023

APPROVED PLANNING AND ZONING COMMISSION MANCHESTER, CT

ADMINISTRATIVE APPROVAL INLAND WETLANDS AGENCY





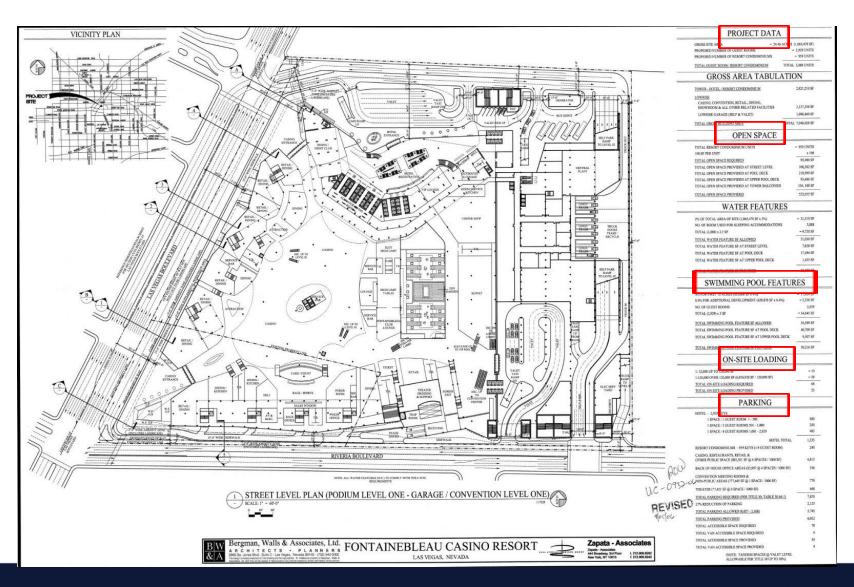
## Typical Set of Plans May Contain:

- Cover Sheet
- Existing Conditions Plan
- Demolition Plan
- Utilities Plan
- Site Plan
- Landscape Plan
- Detail Sheets

- Drainage
- E&S Control
- BuildingElevations
- Floor Plans



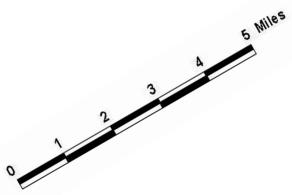
#### What Is This Plan Telling Me?







## Help is on the Plans

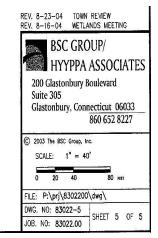


- Location Map
- List of Drawings
- Orientation
- Title Block
- Legend
- Scale
- Zoning Table
- Notes
- And More....

PREPARED FOR

YOUNG STREET EAST HAMPTON, CONN.

JUNE 01, 2004



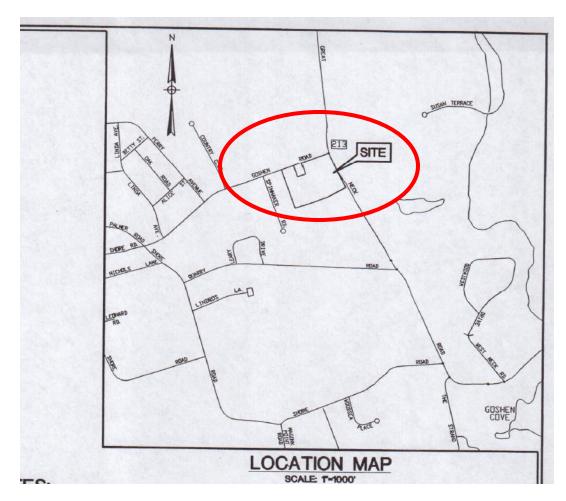


KEY MAP





# **Location Map**





KEY MAP
SCALE: 1"=500'



#### LIST OF DRAWINGS:

#### COVER SHEET

SITE

SHEET 1

SITE BOUNDARY AND EXISTING CONDITIONS

#### LANDSCAPE

L-0.0	OVERALL SITE PLAN
L-1.0	UTILITY DEMOLITION PLAN PHASE 2
L-1.1	SITE DEMOLITION PLAN PHASE 2
L-1.2	SITE DEMOLITION PLAN PHASE 2
L-1.3	SITE LAYOUT PLAN
L-1.4	SITE LAYOUT PLAN
L-1.5	SITE GRADING PLAN
L-1.6	SITE GRADING PLAN
L-1.7	SITE SCORING & SIGNAGE PLAN
L-1.8	SITE SCORING & SIGNAGE PLAN
L-1.9	SITE PLANTING PLAN
L-1.10	SITE PLANTING PLAN
L-l.ll	DETAILED ENTRANCE LAYOUT & GRADING
L-1.12	DETAILED HANDICAP SPACE LAYOUT & GRADING
L-1.13	SITE DETAILS
L-1.14	-SITE DETAILS

#### SITE / CIVIL

C-0.0	CIVIL ABBREVIATIONS, LEGEND AND GENERAL NOTES
C-0.1	SITE DEMOLITION, EROSION AND SEDIMENTATION CONTROL PLAN
C-1.0A	SITE UTILITY PLAN
C-1.0B	SITE UTILITY PLAN
C-1.1A	SITE LIGHTING AND SECURITY PLAN
C-1.1B	SITE LIGHTING AND SECURITY PLAN
C-2.0	SITE GRADING PLAN PHASE I
C-2.0A	SITE DRAINAGE PLAN
C-2.0B	SITE DRAINAGE PLAN
C-3.0A	SITE EROSION AND SEDIMENTATION CONTROL PLAN (PHASE I)
C-3.0B	SITE EROSION AND SEDIMENTATION CONTROL PLAN (PHASE II)
C-3.0C	SITE EROSION AND SEDIMENTATION CONTROL PLAN (PHASE III)
C-3.0D	SITE EROSION AND SEDIMENTATION CONTROL PLAN (PHASE IV)
C-3.1	EROSION CONTROL SPECIFICATIONS AND NARRATIVE
C-3.2	EROSION PROTECTION AND SEDIMENT CONTROL DETAILS
C-4.0	SITE DETAILS
C-4.1	SITE DETAILS

#### ARCHITECTURAL

Pt-1.1	FIRST FLOOR PLAN
A-1.2	SECOND FLOOR PLAN
A-2.1	BUILDING ELEVATIONS

#### Sheet Index:

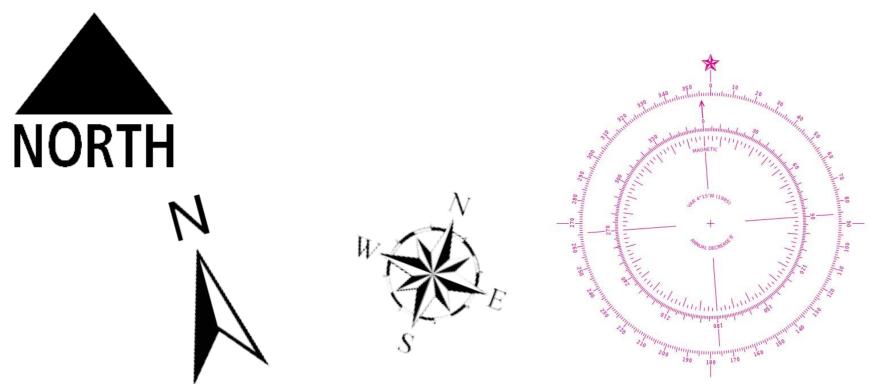
S1	Property & Topographic Survey Map
R1	Removal and Demolition Plan
C1	Site Layout & Landscaping Plan
C2	Site Development Plan
ES1	Soil Erosion & Sedimentation Control Plan
ES2	Soil Erosion & Sediment Control Details
D1	Details
D2	Details
D3	Details

UNIT ADDRESSES



## Orientation: North Arrow

North arrow can change on different plan sheets

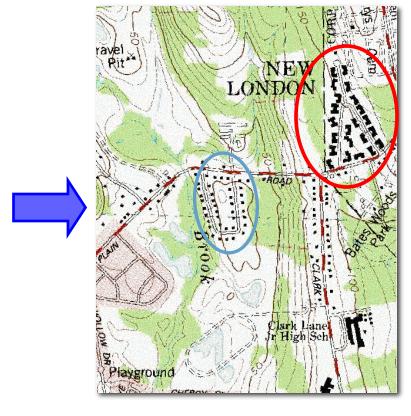






#### **Map Orientation Matters...A Lot!**







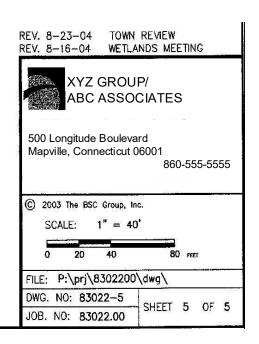
### **Title Block**

#### Information on who/what/when etc

PREPARED FOR

Cartography Road Mapville, CT

JUNE 01, 2004



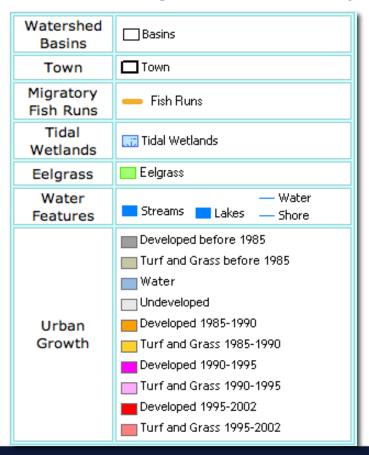
Title
Creation & Revision Dates
Source

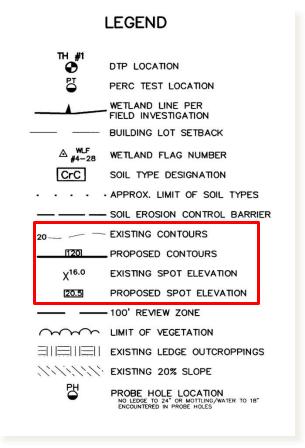




## Legends

#### Provide a guide to the symbols used







# **Zoning Compliance Chart**

SUBDIVISION ZONING COMPLIANCE CHART  ZONE DISTRICT: R-40  FLAG LOT				
	REQUIRED	LOT 6	LOT7	LOT9
LOT AREA	40,000 S.F.	47,407 S.F.	62,094 S.F.	50,810 S.F.
LOT WIDTH	125 FT.	127 FT.	150 FT.	170 FT.
FRONTAGE	25.00 FT.	25.00 FT.	25.00 FT.	25.00 FT.
SIDE YARD SETBACK	25 FT.	38 FT.	49 FT.	33 FT.
FRONT YARD SETBACK	50 FT.	150 FT.	184 FT.	214 FT.
REAR YARD SETBACK	50 FT.	184 FT.	243 FT.	177 FT.
MINIMUM SQUARE	125 FT. 2	125 FT. 2	125 FT. 2	125 FT. 2
ACCESS STRIRAREA		2,052 S.F.	9,296 S.F.	7,403 S.F.
MINIMUM BUILDABLE SQUARE	50 FT.2	50 FT.2	50 FT.2 196	50 FT. <sup>2</sup>
MINIMUM BUILDABLE AREA	2,500 S.F.	45,355 S.F.	52,788 S.F.	43,407 S.F.





# **Notes and Map References**

#### NOTES:

- THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 20-300b-1
  THRU 20-300b-20 OF THE REGULATIONS FOR STATE AGENCIES "STANDARDS FOR SURVEYS
  AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION
  OF LAND SURVEYORS, INC.
  - A. TYPE OF SURVEY: BOUNDARY & TOPOGRAPHIC SURVEY
  - B. BOUNDARY DETERMINATION CATEGORY: RESURVEY
  - C. HORIZONTAL ACCURACY: CLASS A-2 VERTICAL ACCURACY: CLASS V-2 TOPOGRAPHIC ACCURACY: CLASS T-2
  - D. INTENT: PROVIDE BASE MAP FOR FUTURE DEVELOPMENT
- 2. FIELD WORK PERFORMED IN MARCH 2004 BY CLA ENGINEERS INC.
- HORIZONTAL AND VERTICAL DATUM ARE BASED ON TOWN OF WATERFORD MONUMENTS, TOW 264-W AND TOW 265-W.
- 4. SUBJECT LOT IS IN ZONE DISTRICT R-20.
- 5. WETLANDS WERE DELINEATED BY ROBERT RUSSO AND LOCATED IN THE FIELD.
- 6. SUBSURFACE AND ENVIRONMENTAL CONDITIONS EXCEPT FOR WETLANDS DELINEATION WERE NOT EXAMINED OR CONSIDERED AS A PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONTAINERS OR FACILITIES THAT MAY AFFECT THE USE OR DEVELOPMENT OF THIS TRACT.
- 7. THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON ABOVEGROUND STRUCTURES AND RECORD DRAWINGS PROVIDED TO THE SURVEYOR. LOCATIONS OF UNDERGROU UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON, ADDITIONAL BURIED UTILITIES STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES.
- NO FLOOD HAZARD AREAS AS PER FIRM 090107 0015F, TOWN OF WATERFORD, CT., NEW LONDON COUNTY, REVISED SEPT. 6, 1995.
- SURVEY IS VALID ONLY IF PRINT OR MYLAR HAS THE EMBOSSED SEAL AND LIVE SIGNATURE OF THE SURVEYOR.



## Scale

#### Shows relative size of objects



35'





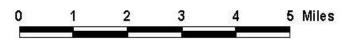
#### **Scale** Shows relative size of objects

Written Scale

1:12,000 (ratio)

1" = 1,000' (equivalent)

**Graphical Scale** 







0 1 2 3 4 5 Miles

Graphic scales are the most reliable!



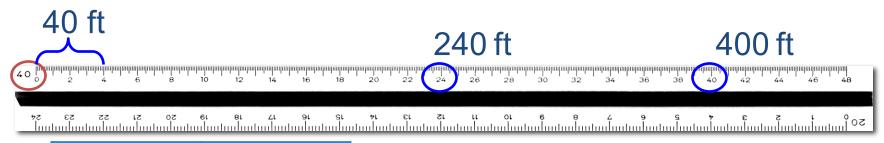
**Beware of Xerox Distortion** 





# Measuring Distances

## \* Engineering Scales



Map Scale	Meaning
10	1 inch = 10 ft
20	1 inch = 20 ft
30	1 inch = 30 ft
40	1 inch = 40 ft
50	1 inch = 50 ft
60	1 inch = 60 ft





# 55 and a standard and Measuring Distances 23.3+ 25.1



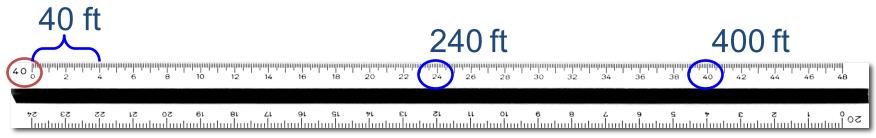


1"=40'

nover Acighbors from the Street 5MITH Market

# Measuring Distances

\* Engineering Scales

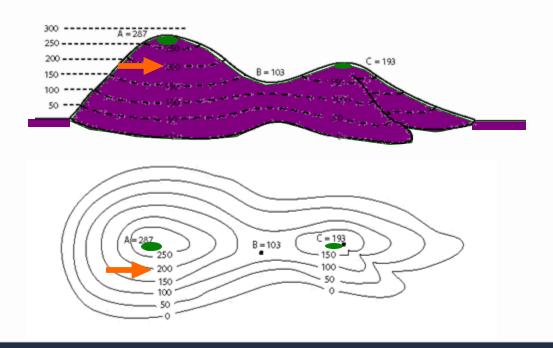


Map Scale	Meaning
10	1 inch = 10 ft
20	1 inch = 20 ft
30	1 inch = 30 ft
40	1 inch = 40 ft
50	1 inch = 50 ft
60	1 inch = 60 ft

Let's measure!



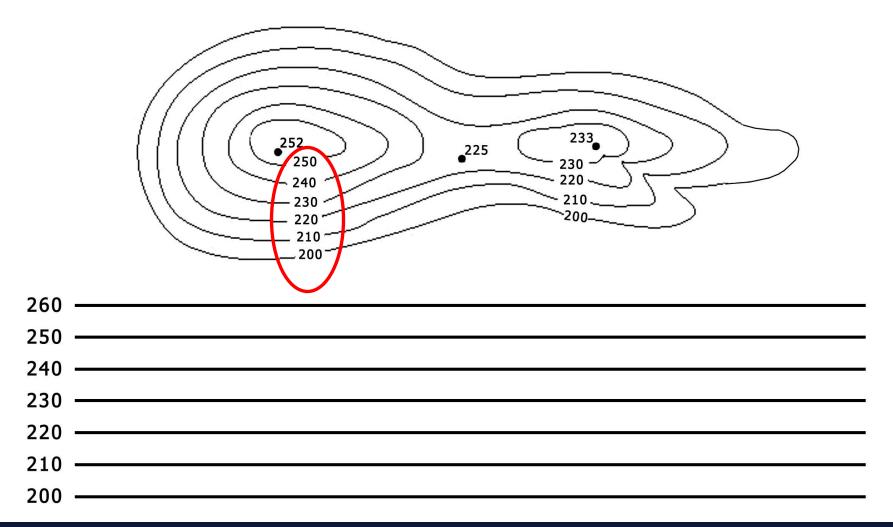
Contours: an imaginary line that connects points of equal elevation



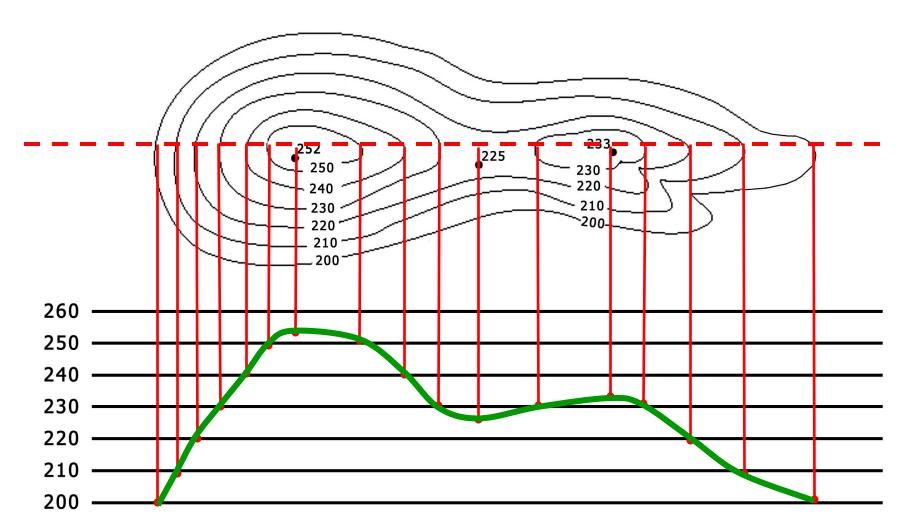




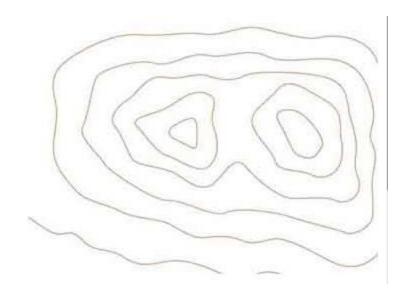
**Cross-sections** are sometimes used to represent 3-D objects in 2 dimensions.

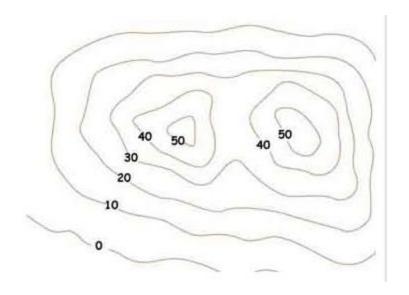


**Cross-sections** are sometimes used to represent 3-D objects in 2 dimensions.



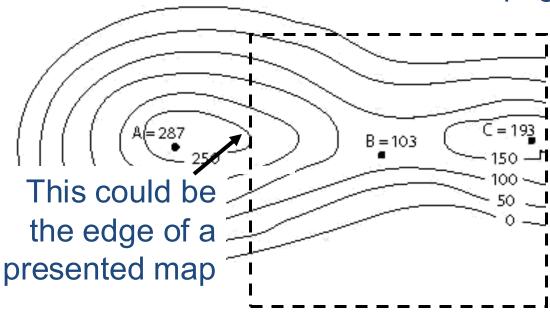
# Is it a Hill or a Hole?





Contours always connect, but not always within the map boundaries...

topography of 2 hills

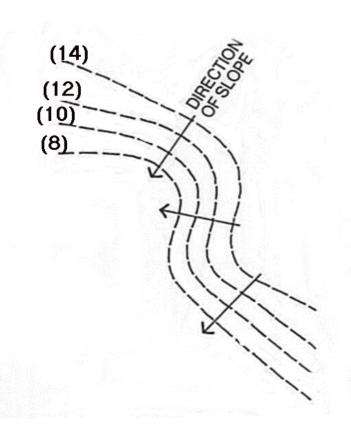




**Slope** direction is calculated perpendicular to the contour lines.

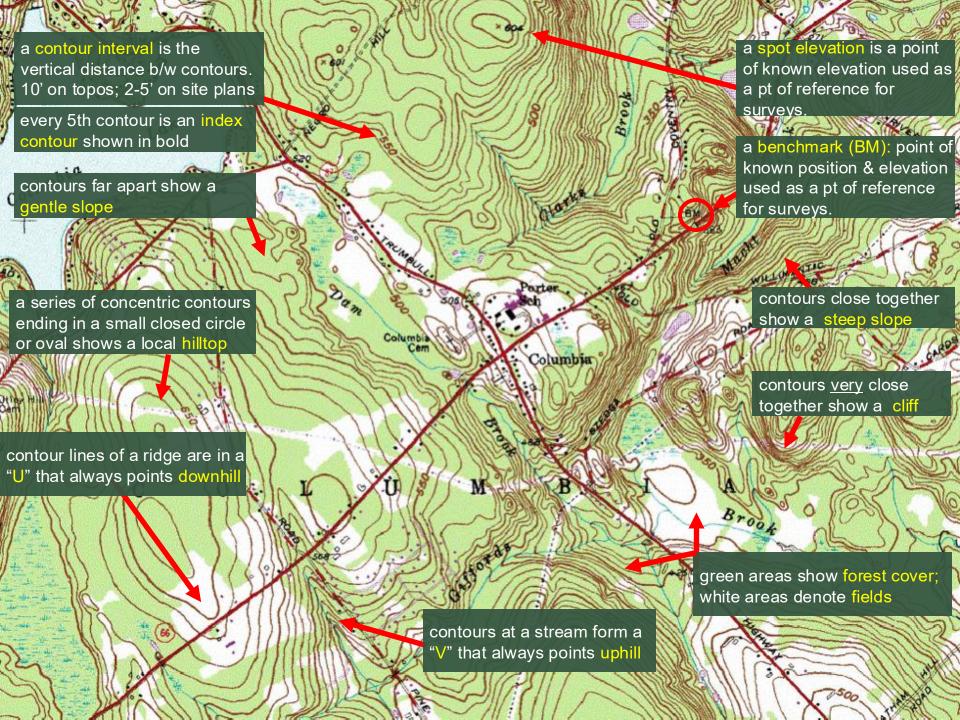


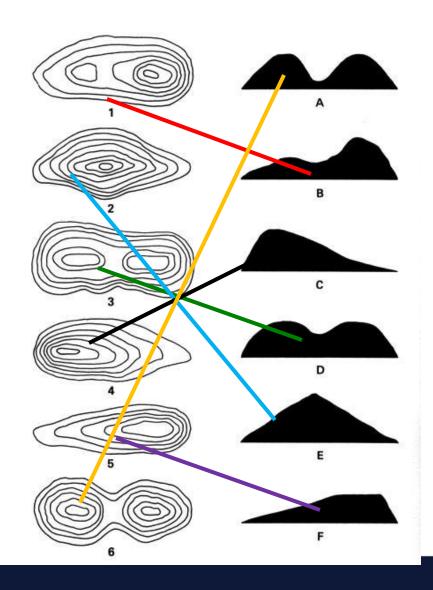
Water flows downhill...



...so the direction of flow is always perpendicular to the contour lines, since this is the steepest slope





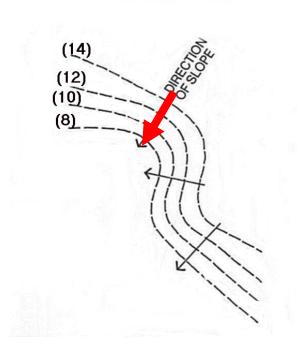




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## Topography-Slope

**Slope** direction is calculated perpendicular to the contour lines.



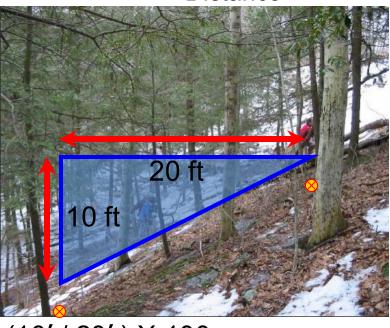
... But how do you measure it?





#### Slope

Percent Slope = Change in Elevation
Distance X 100



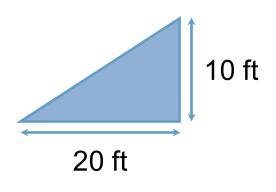
 $(10' / 20') \times 100 = 50\%$  slope



#### Why is Slope Important?

#### If too Steep:

- potential erosion
- soil stability
- safety







#### Why is Slope Important?

#### If too flat:

- storm water may not drain

- may flood



20 ft





# Too steep?









# Site Plan Reading

**FHA Pharmacy** 

Survey

Layout Plan

**Grading Plan** 

**Utility S&E Control** 

**Elevation** 

Planting Plan

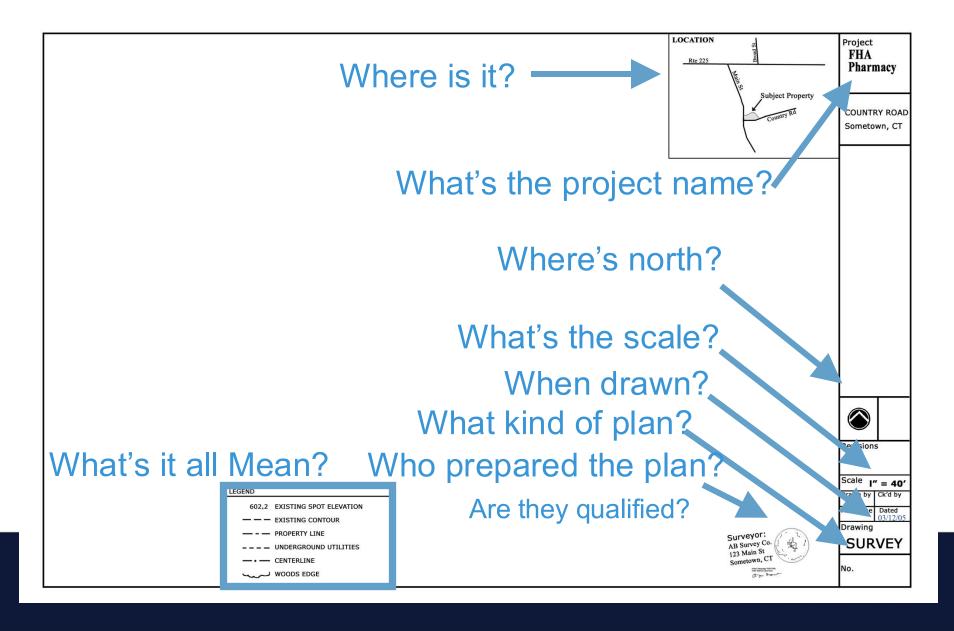
**Details** 

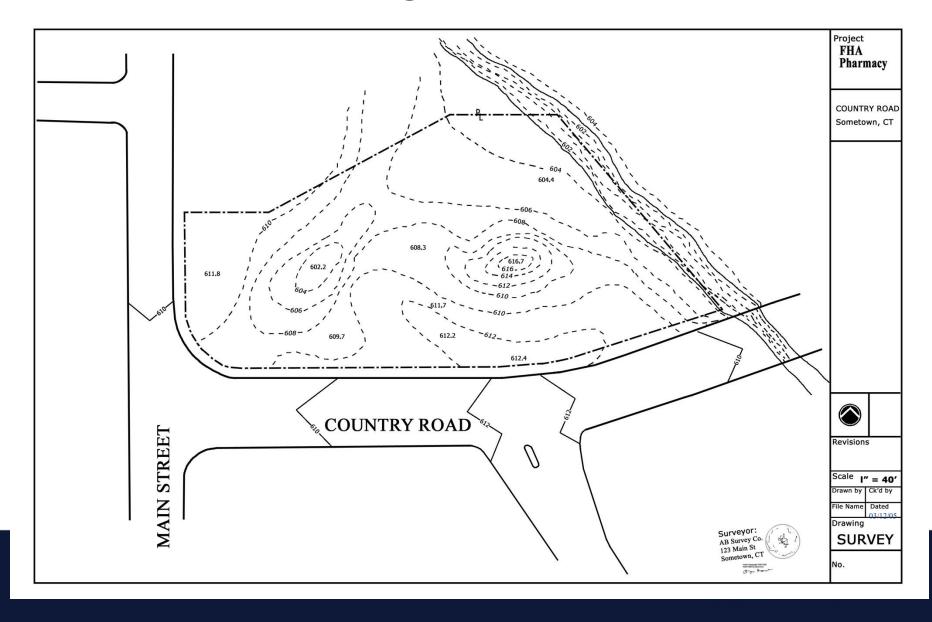
Let's go through this set of plans, page by page.

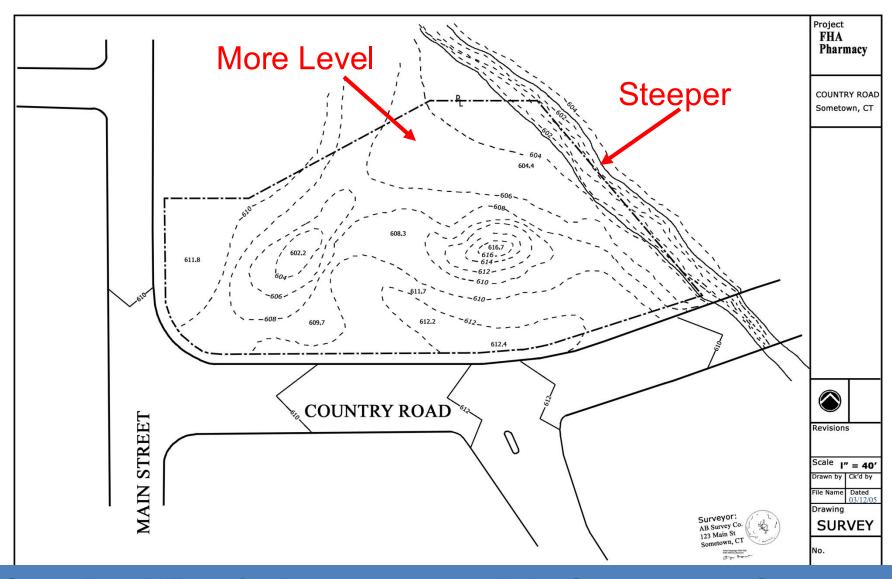




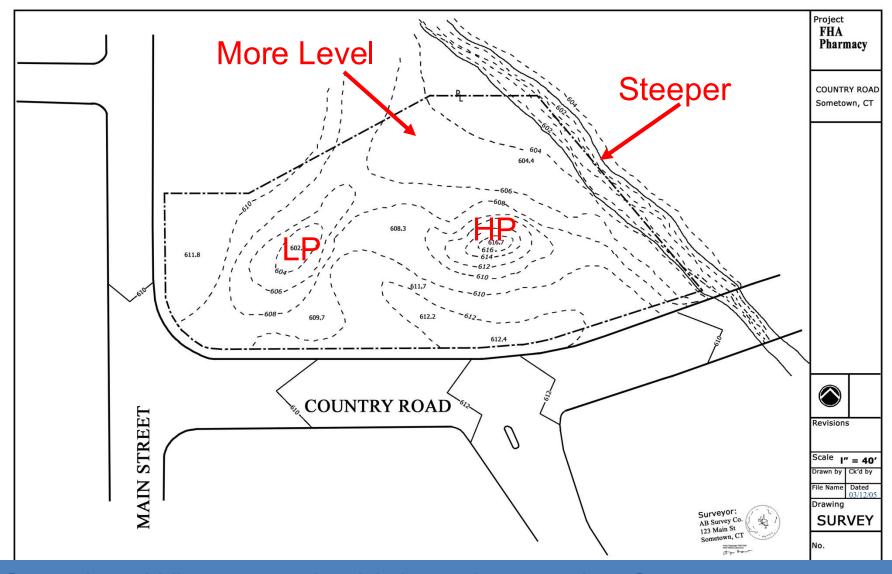
who? what? where? when?



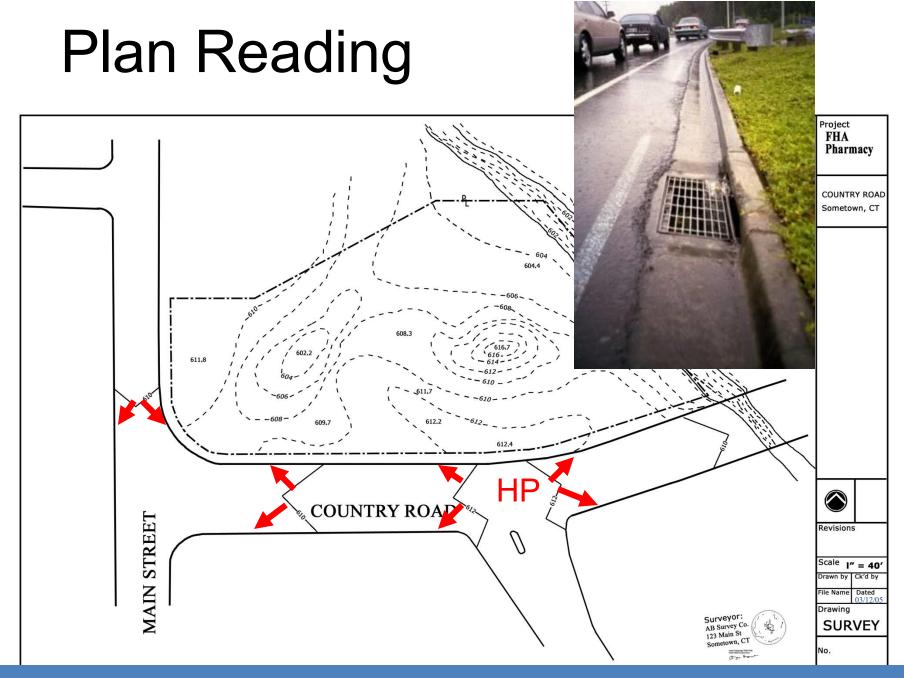




Question: Where's the steepest and the flattest areas?

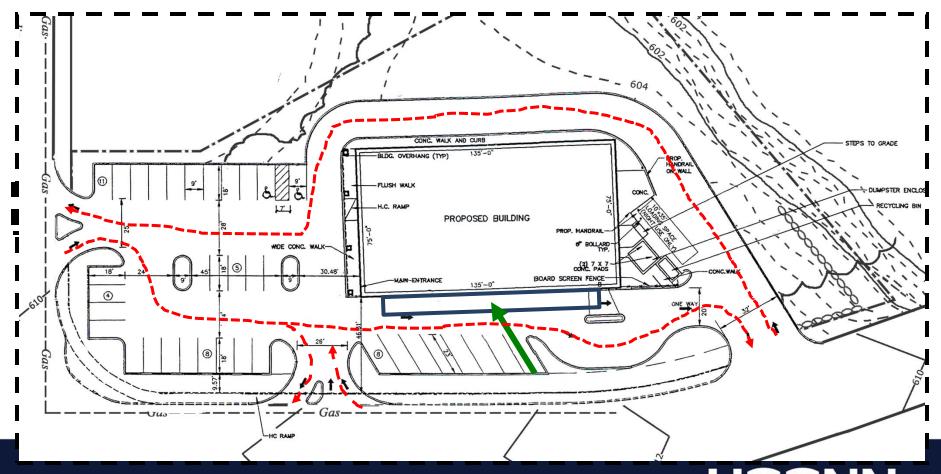


Question: Where are the high and low points?



Question: What direction does the water flow on the road?

## Plan Reading Traffic Circulation

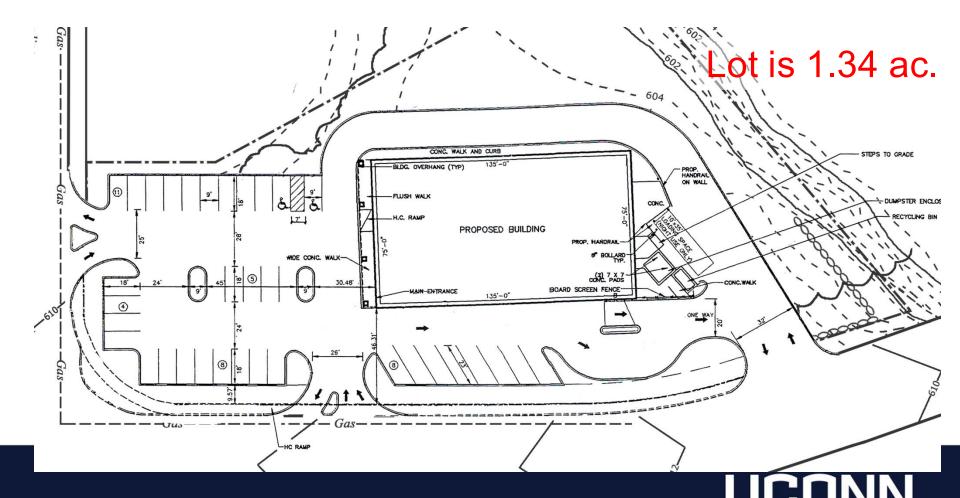


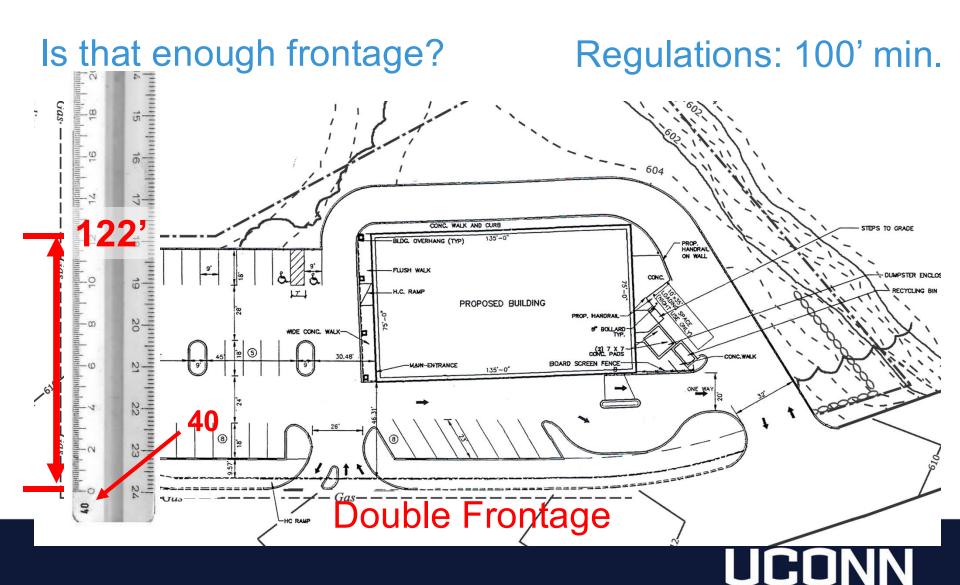
UCONN

## ask questions .....

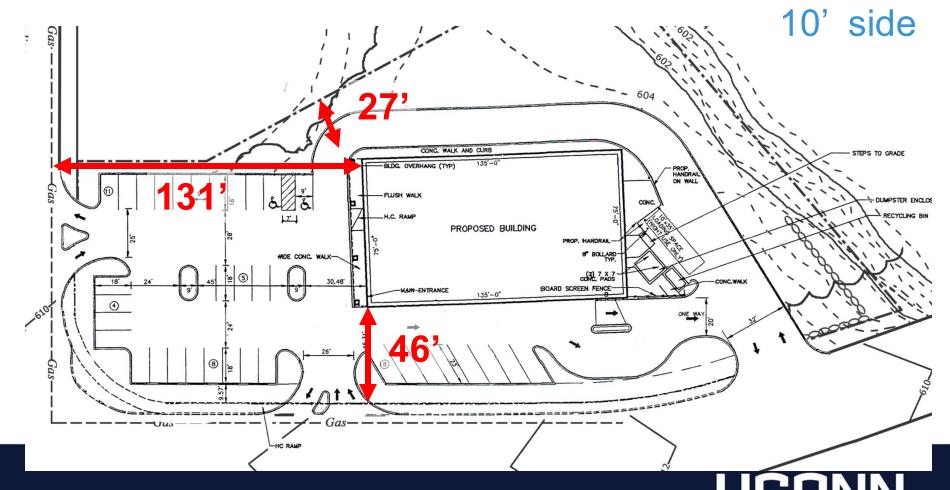
What's the lot size?

Regulations: 1 ac.



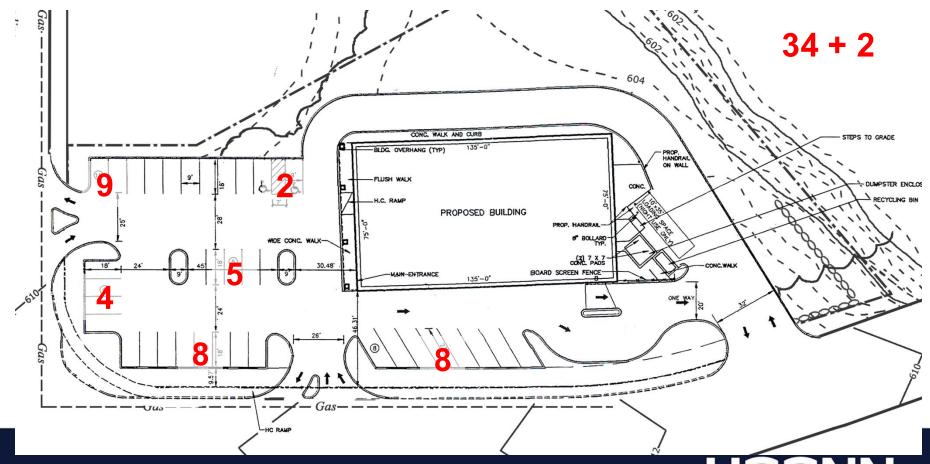


Is the building within setbacks? Regulations: 40' front



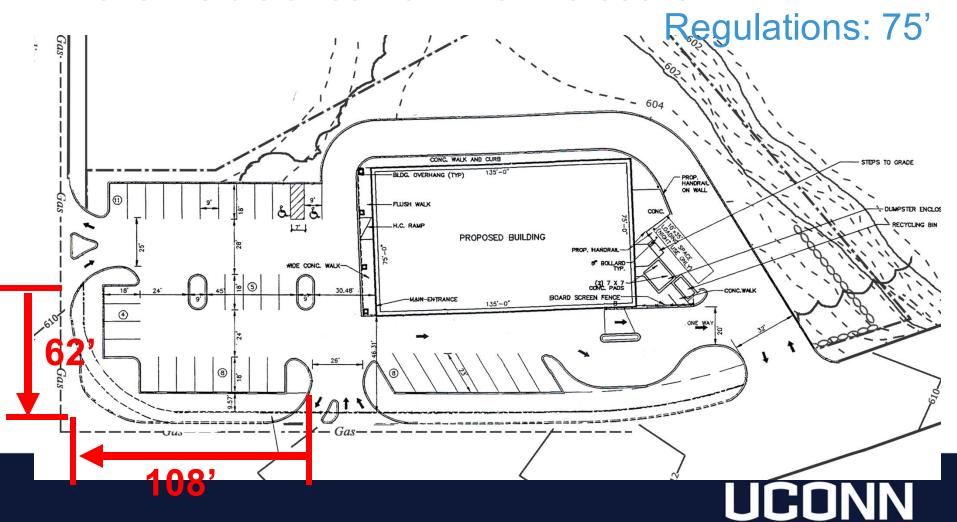
How many parking spaces?

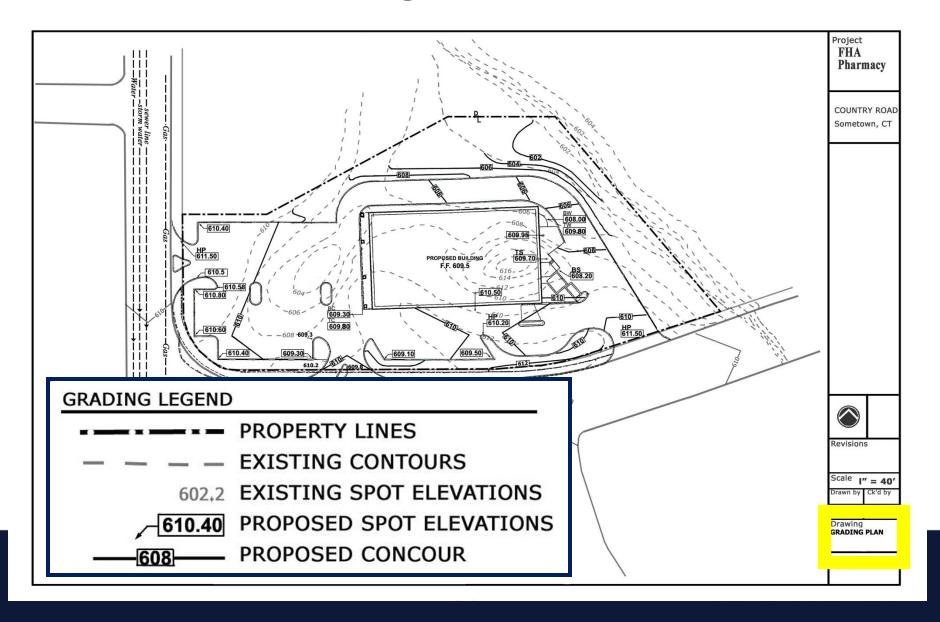
Regulations: 41 + 2



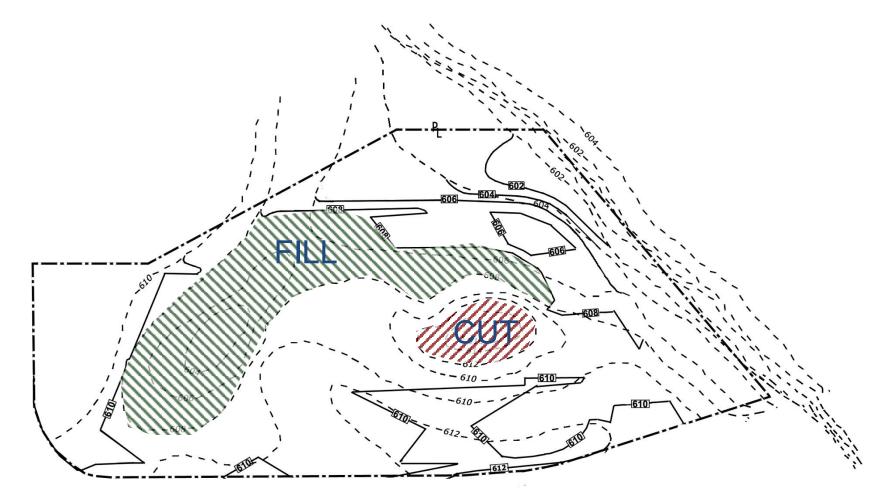
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What's the distance from the intersection?



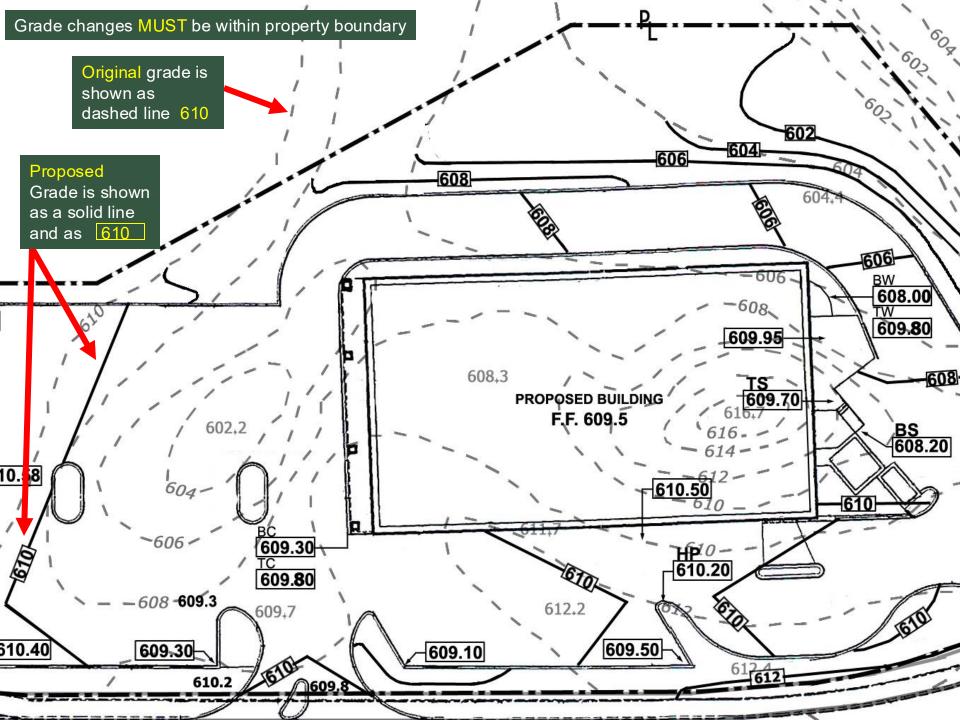


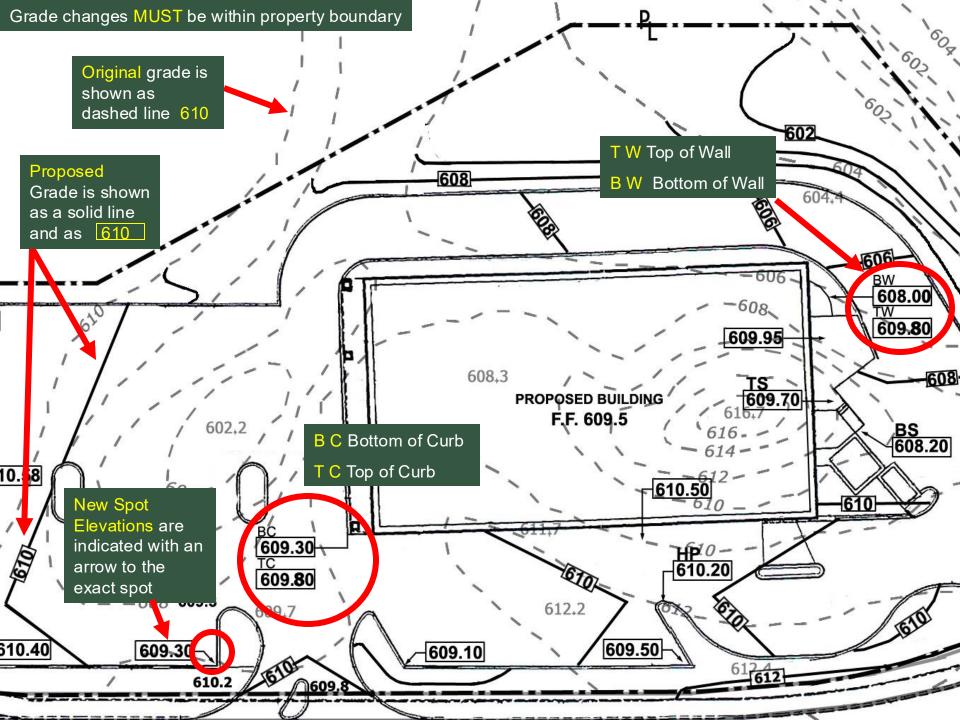
### Site Plan Review – Cut and Fill



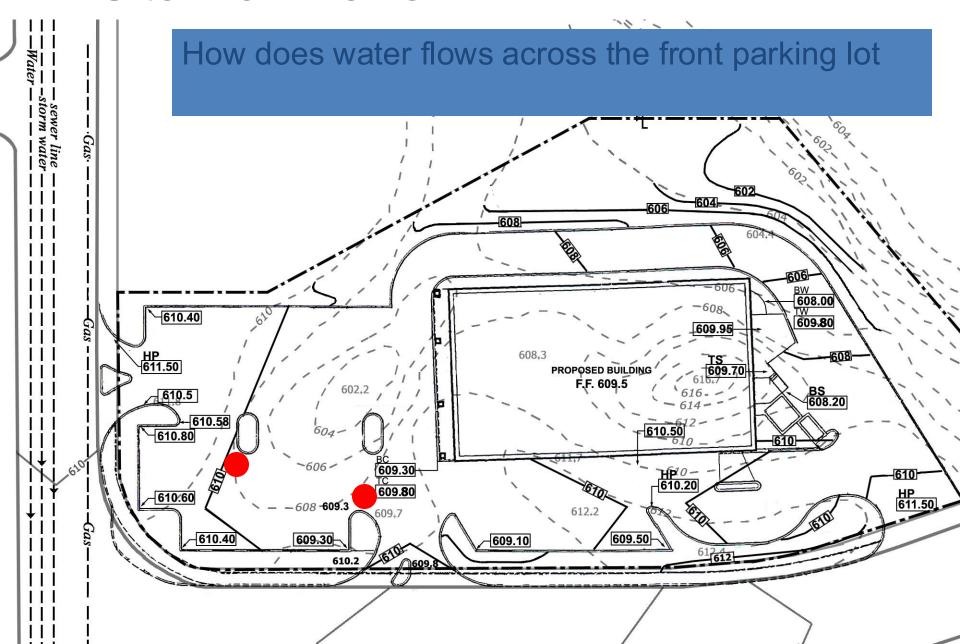
Question: Why should you be concerned with the amount of cut and fill?

Plan Reading focus in 608 606 BW 608.00 608 610.40 609.80 609.95 HP 611.50 608.3 TS 609.70 PROPOSED BUILDING BS 608.20 610.5 610.58 610.80 <u>-610</u> -606-609.30 HP 0 - 610.20 610 609.80 HP 611.50 610:60 608 -609.3 609,7 610.40 609.30 609.50 609.10 612 610.2 609,8

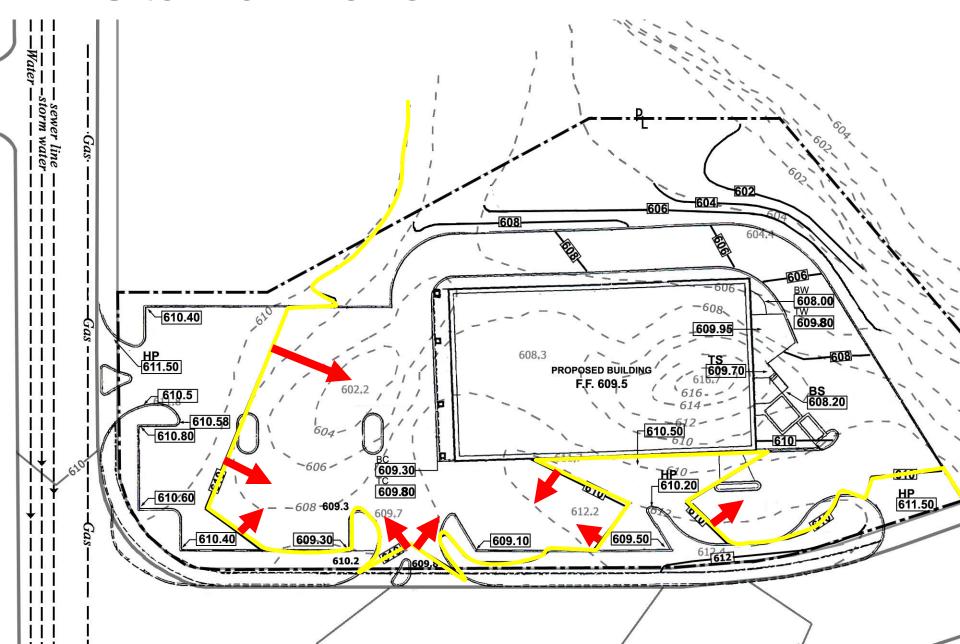




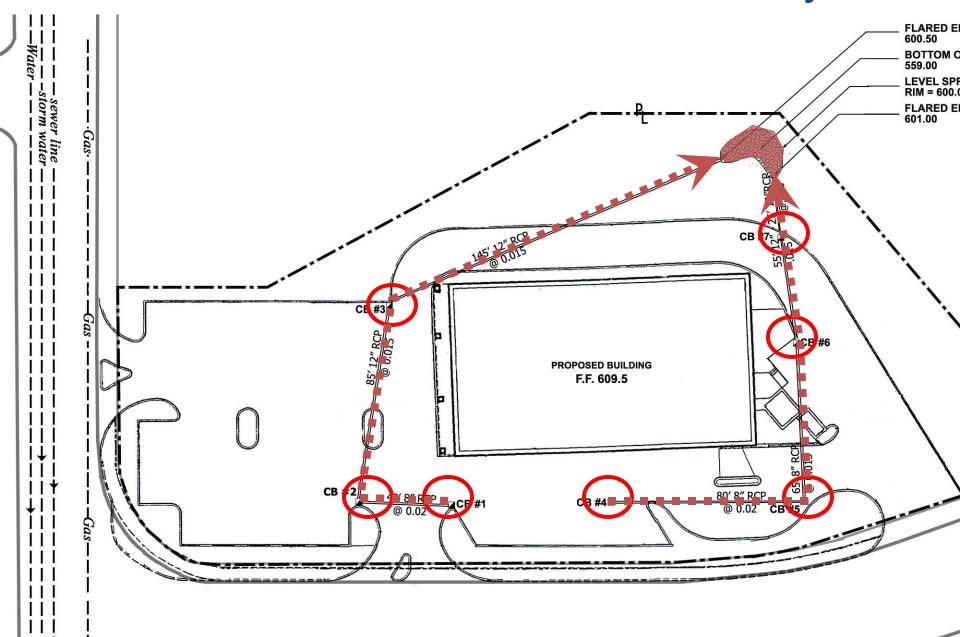
#### Site Plan Review



### Site Plan Review

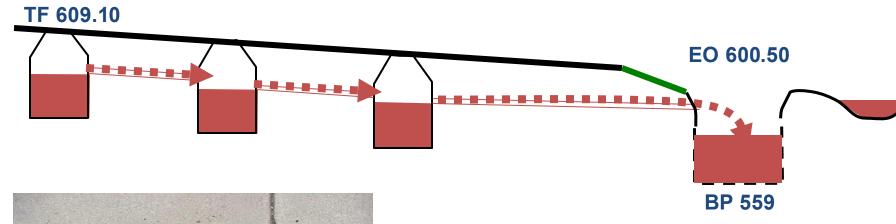


## Site Plan Review Stormwater System



### Site Plan Review Stormwater System

#### **System Schematic**



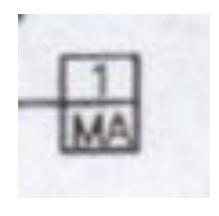


Question: Any concerns?



**UCONN** 

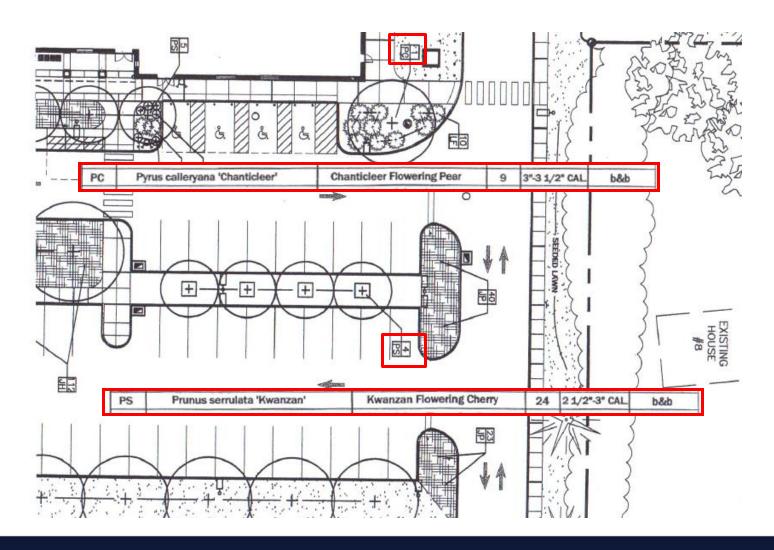
Existing	LEGEND	Proposed
	PROPERTY LINE	2.2
	BUILDING	
	CURB	
	FLUSH CURB	
	EDGE OF PAVEMENT	
	WETLAND AREA	
	SEEDED LAWN	
	WET SEED MIX	
	GROUNDCOVER	
	BITUMINOUS PAVEMENT	
	ORNAMENTAL GRASS	
	CATCH BASIN	
	MANHOLE	0
	LAWN DRAIN	0
	LIGHT POLE	D-O D-
-	UTILITY POLE	
	FLAGPOLE	•
	BENCH	warm.
	HYDRANT	A
	BOLLARD	•
٩	SIGN	_
ш.	RADIUS	R
	TYPICAL	TYP.
	EQUAL	EQ
	CENTER-LINE	Q. "
	DETAIL LOCATOR	SHEE
	CHAIN LINK FENCE	
—_X—_X—	ORNAMENTAL FENCE	
	CHAIN LINK FENCE W/ PRIVACY SLATS	
	GUARDRAIL	
-m- \ \ / /	GUARDRAIL	Vie C
<b>*</b>	TREES	(+)
Mar.	SHIPLING	enene(`)¢
	PLANT LOCATOR: TOP—QUANTITY BOTTOM—PLANT KEY	
$\sim\sim\sim$	TREELINE	$\sim\sim$
	STONE WALL	





KEY	BOTANICAL NAME	COMMON NAME	QTY.	SIZE	REMARK
	TREES:				
MA	Acer saccharum 'Green Mountain'	Green Mountain Sugar Maple	13	2 1/2"-3" CAL	b&b
PP	Picea pungens 'Foxtail'	Foxtail Spruce	24	4'-5' HT.	b&b
PG	Pinus parviflora 'Glauca'	Japanese White Pine	23	6'-7' HT.	b&b
PS	Prunus serrulata 'Kwanzan'	Kwanzan Flowering Cherry	24	2 1/2"-3" CAL	b&b
PC	Pyrus calleryana 'Chanticleer'	Chanticleer Flowering Pear	9	3"-3 1/2" CAL	b&b
AR	Thuja plicata x standishii	Green Glant Arborvitae	43	6'-7' HT.	b&b
ZS	Zelkova serrata 'Green Vase'	Green Vase Zelkova	11	2 1/2"-3" CAL	b&b
	SHRUBS:		2		
вм	Caryopteris x clandonensis 'Blue Mist'	Bluebeard	43	18"-24" SPD.	
CA	Clethra alnifolia	Summersweet	62	18"-24" SPD.	
SD	Cornus alba 'Sibirica'	Siberian Dogwood	17	2'-2.5' HT.	
YT	Cornus sericea 'Flaviramea'	Yellow Twig Dogwood	28	2'-2.5' HT.	
JP	Juniperus procumbens 'Nana'	Dwarf Japanese Garden Juniper	107	18"-24" SPD.	4' O.C.
JH	Juniperus horizontalis 'Wiltoni'	Wiltoni Juniper	164	18"-24" SPD.	4' O.C.
KL	Kalmia latifolia	Hybrid Mountain Laurel	4	30"-36" SPD.	
LF	Leucothoe fontanesiana 'Rainbow'	Rainbow Leucothoe	20	18"-24" SPD.	
PJ	Pieris japonica 'Mountain Fire'	Mountain Fire Andromeda	14	24"-30" SPD.	
РМ	Pinus mugho 'Pumilio'	Dwarf Mugho Pine	58	24"-30" SPD.	
VD	Viburnum dentatum	Arrowood Viburnum	12	4'-5' HT.	
3	Wetland Plants				
СС	Carex comosa	Bearded Sedge	36	1 QT.	2º 0.C.
CL	Carex lupulina	. Hop Sedge	45	1 QT.	2' O.C.
LC	Lobelia cardinalis	Cardinal Flower	50	1 QT.	2' O.C.
VH	Verbena hastata	Blue Vervain	112	1.QT.	3' O.C.
JE	Juncus effuses	Soft Rush	35	1 QT.	4' O.C.
MG	Myrica gale	Sweetgale	127	18"-24" SPD.	4'-6" O.C
PF	Potentilla fruticosa	Bush Cinqufoil	324	15"-18" SPD.	3' O.C.
SL	Spiraea latifolia	Meadowsweet	68	18"-24" SPD.	4'-6" O.C.
	Ornamental Grass				
нм	Hakonechloa macra 'Aureola'	Japanese Forest Grass	96	18"-24" SPD.	







#### **NOTES**

- 1. If a discrepency exists between the number of plants shown on the plan and the quantity in the plant list, the plan shall govern.
- 2. The Contractor shall seed to lawn all areas within the contract limits and seeding limits as shown on the plan and as specified. The Contractor is also responsible for any areas beyond these two limits which may have been disturbed by construction activities. If such disturbance has occurred, the area(s) shall be topsoiled and seeded to lawn as detailed and specified.
- 3. All plant materials are to be approved by the Landscape Architect <u>prior</u> to delivery to the site. See the Specification.
- 4. Refer to the Specification for acceptable planting season dates. Planting out-of-season will not be allowed without written approval from the Landscape Architect.
- 5. Shrub beds shall have a weed barrier fabric and a minimum of four inches (after settlement) of shredded pine bark mulch. Groundcover beds shall omit the weed barrier and have a minimum of four inches (after settlement) of shredded pine bark mulch. See details on sheet L-1.14 and the Specification.
- Final plant locations shall be coordinated in the field so that no tree is planted within approximately 6 feet of any underground utility new or existing.
- 7. Erosion control mat locations shown on this plan are general, minimum areas to be covered. All slopes 4:1 or greater are to receive erosion control matting; coordinate with the Grading Plans, sheet L-1.5 and L-1.6. See the Specification for additional information.
- 8. Plantings within water quality swales may be adjusted before installation to allow spacing for inspection and maintenance, as directed by the Landscape Architect.





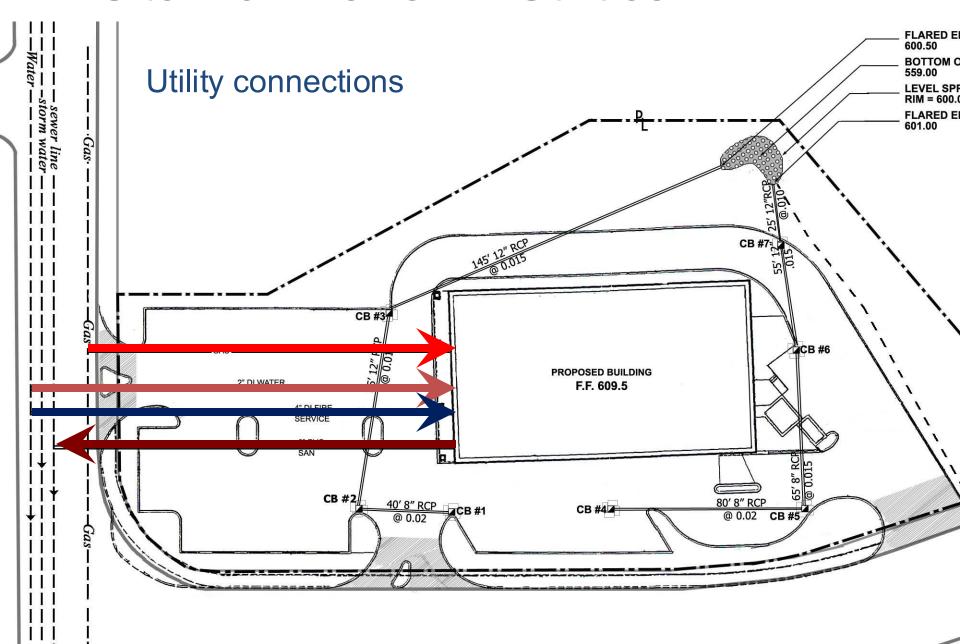
#### Pay Attention!

Would deliberately specifying Toxicodendron radicans as a ground cover to see if we were paying attention count as a bad plan?

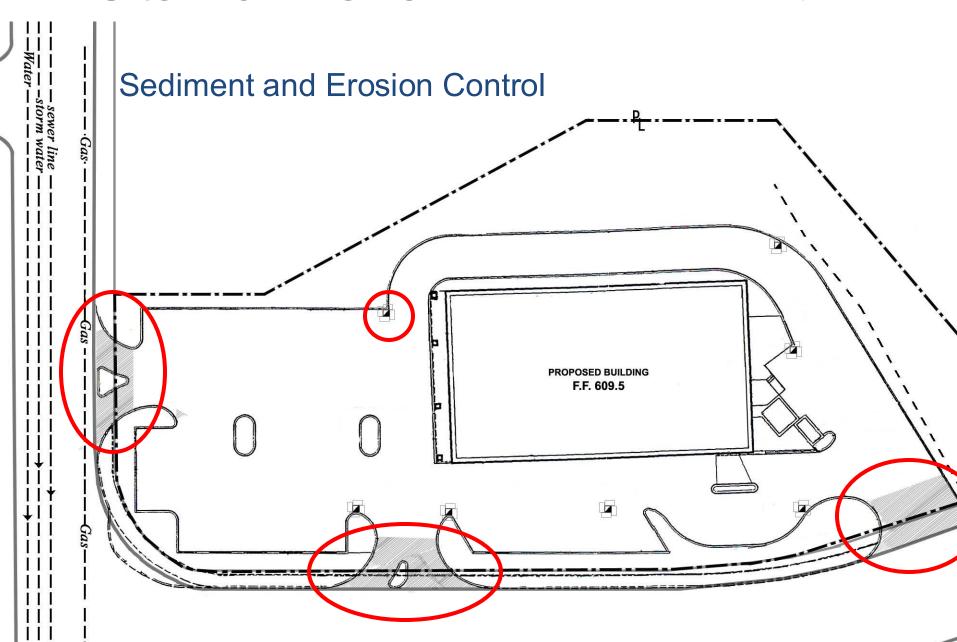


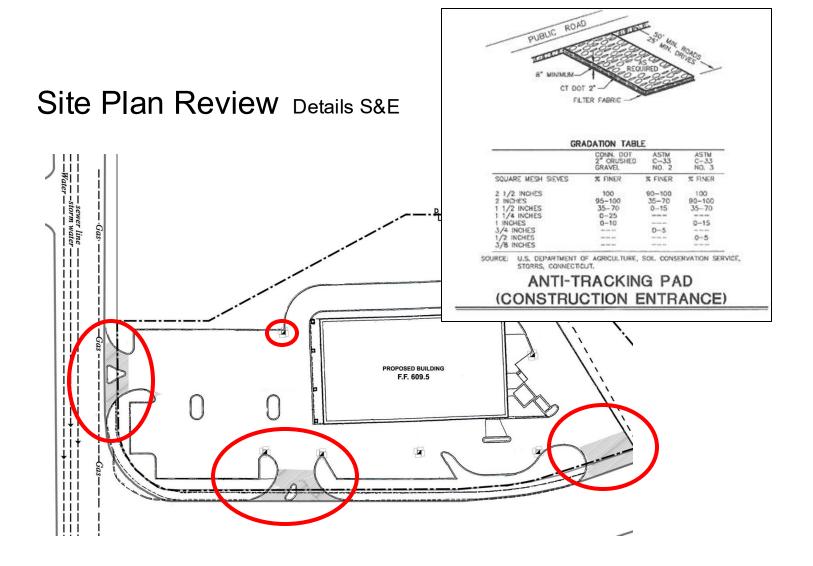


#### Site Plan Review Utilities



### Site Plan Review Construction Activity

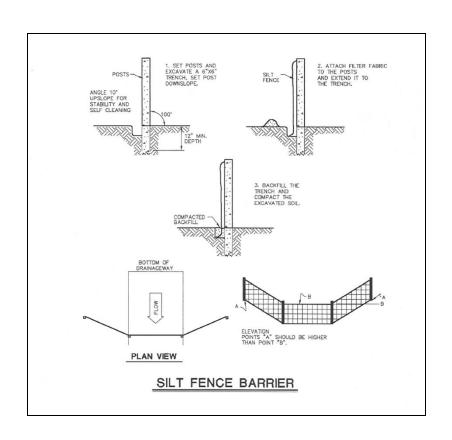


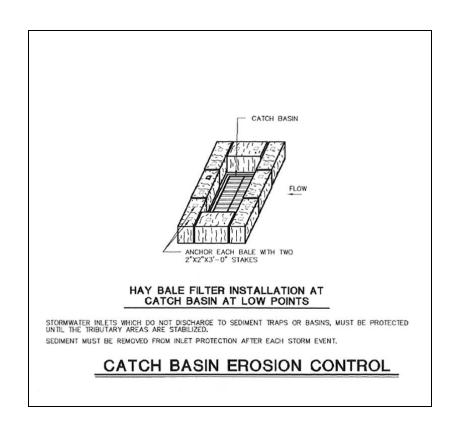






#### Site Plan Review Details







## Site Plan Review Construction Activity



#### Site Plan Review Details S&E



### The Planner's Role

Your planner, if you have one, will have reviewed the plans and may issue a pre-meeting memo highlighting any issues. Use your planner as a resource to help you focus in on issues or problems.

This is a team effort with all staff being part of the team.









**UCONN** 

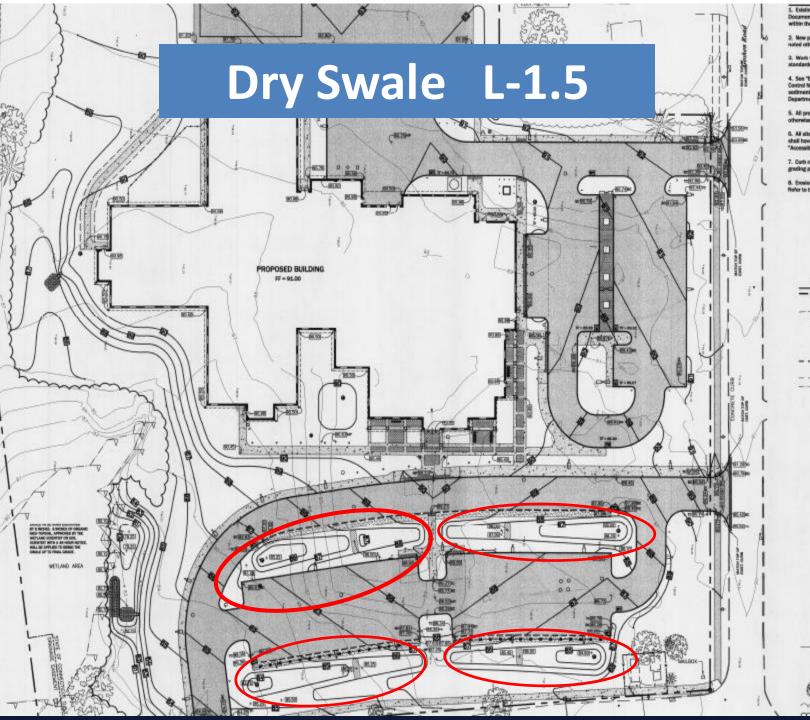
#### And now—It's your turn



**Great Neck School, Waterford, CT** 



**UCONN** 



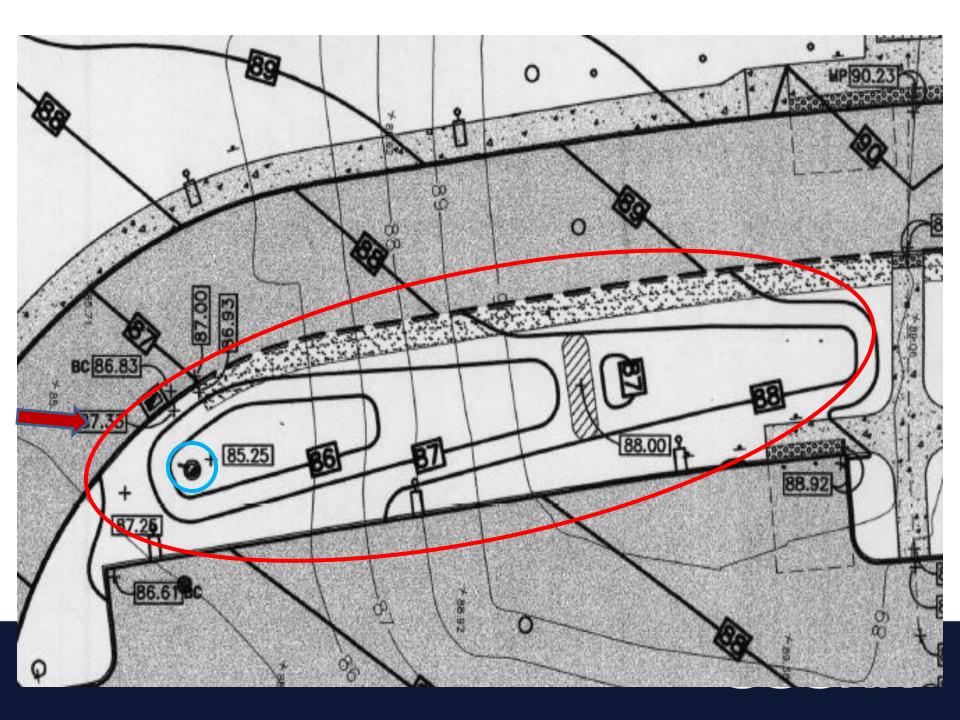
- Estating and proposed utilities are not shown on this plan. Refer to Documents for specific utilities. The Contractor is responsible for the within the contract limits.
- 2. New poverviert and curb shall meet line and grade of existing parnated otherwise. Provide a clean, straight servicet edge where they r
- 2. Work within the Town of Waterland right of way shall be in accord
- standards. The Contractor shall be responsible for all permitting and
- 4. See "Eresion And Sedimentation Control Notes" on sheet C-3.08 at Control Notes" on sheet C-3.08 and the Specification for additional sedimentation and situation controls shall be installed an required by Department/Intiand Welfands Enforcement Officer of the Town of We
- All proposed walks and pads shall be cross-plizhed at 1/4" parto otherwise soled.
- All site walks (nucleable of those noted as "comps") along designer shall have a maximum slope of 1.20 with a maximum cross-slope of "Accessible Reutes" shall meet all current applicable State and Feder
- Curb rumps shall not exceed a slope of 1:12 (8.33%) or a maximus grading plan and detailed grading of specific areas on sheet I, 11.6.1

LEGEND

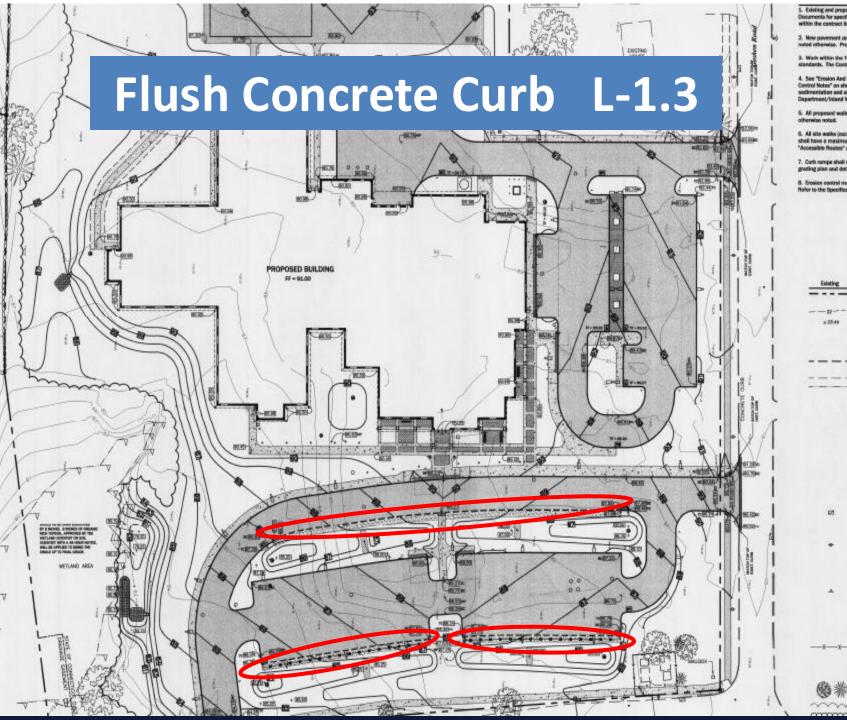
Frosion control matting shall be required for stabilizing all disturb.
Hofer to the Specifications.

Existing	LEGEND
	PROPERTY LINE SHALDING
2	contour
×25.46	SPOT GLOWNON
	TOP OF BURBLESTON OF BURB TOP OF STEP/BOTTON OF STEP HIGH POINT
	cure
	FLESH CURB
	EDGE OF PAVEMENT
	WETUND ANEA
	CONE. PAVENENT
	HOMY DUTY GRAD PRODUCES
	PREDAT COSC, PAYERS
	BTOWNOUS PARCHENT
	TAF MICES
	DENISTABLE MARKET THIS
	DITUMPOUS PHICH PAYBRENT
63	OFFIN BASIN
	3JOHWW
	LAWN DISHH
	LIGHT POLE
*	URLITY POLE
	FLIGPOLE
	WOIDH .
	HISPANI
	901746
*	SIGH
	INOUS:
	THPICAL.
	EQUAL.
	DENTIN-LINE
	DENAL LOCATOR
—x—x—	DWW UNK FENCE

ORNADED, FENCE OTHIN LINK FONCE BY PRINCY SLATS GLARSHAL TREES







Existing and proposed utilities are not shown on this plan. Reformation for specific utilities. The Contractor is responsible for the district the contract limits.

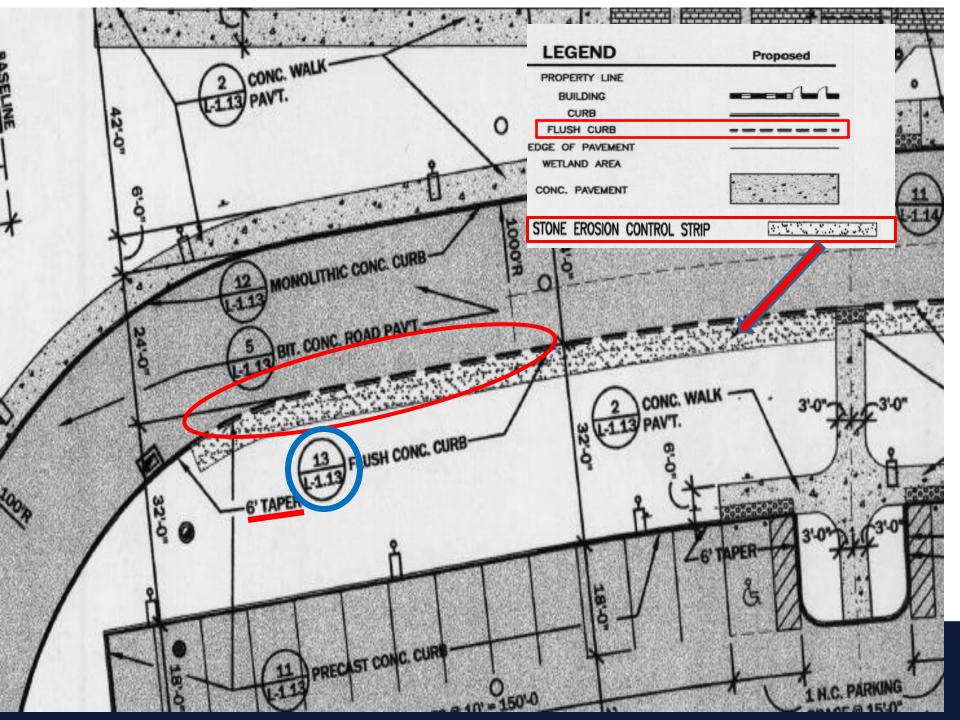
- New povement and curb shall meet line and grade of existing p nated otherwise. Provide a clean, straight serv-cut edge where the
- 2. Work within the Town of Waterland right of way shall be in acco
- standards. The Contractor shell be responsible for all permitting o
- 4. See "Eresion And Sedimentation Control Notes" on sheet 0:3.00 Control Notes" on sheet 0:3.00 and the Specification for additional sedimentation and alliation controls shall be installed as required Department, Inland Westends Enforcement Officer of the Town of the
- All proposed walks and pads shall be cross-plicited at 5/4" per otherwise noted.
- All sits walks (nackasins of those noted as "ramps") along desig shall have a maximum slope of 1.20 with a maximum cross-slope "Accessible Routes" shall must all cumont applicable State and Fe
- Curb numps shall not exceed a slope of 1:12 (8.33%) or a moning grading plan and detailed grading of specific areas on sheet 1:11.6
- Proxime control matting shall be required for stabilizing all data.

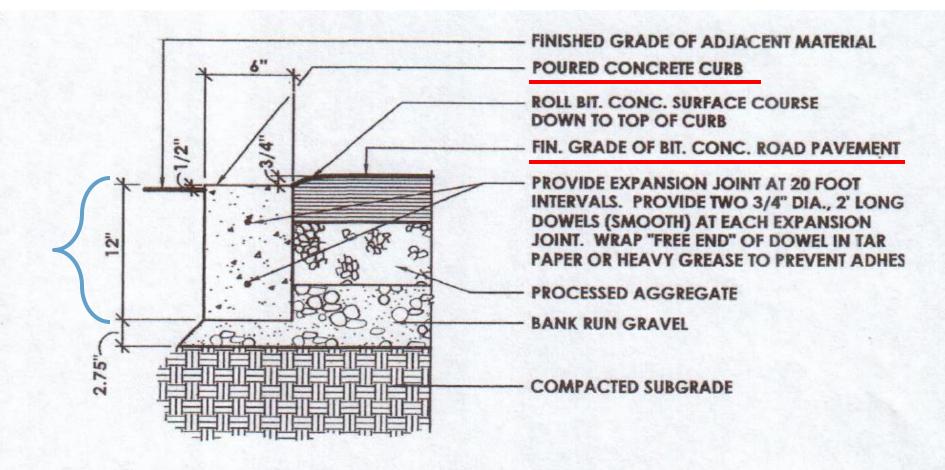
  Hefer to the Specifications.

LEGEND

PROPERTY LAB BUILDING --22---CONTOUR SPOT GLOWSON TOP OF GURBL/BOTTOM OF CURB TOP OF STEP/BOTTOM OF STEP HICK POST **DUMB** RUSH CUR EDGE OF PAVEMENT WETUND AND COME. PAYDAENT PRICALL CONC. PAYERS BTUMNOUS PHYDMENT THE PARTY DETECTABLE MARRIED THAT DELMHOUS PATCH PARTICIAL CATCH BASIS MAHOLE LAWN DENN LIGHT POLE UTILITY POLE FLICPOLE 90004 INDOM 901,469 **PACKE** THPICAL. 10.44 COMMIS-LINE DETAIL LOCATOR DANK LINK FEMOR CRIMMENTAL FENCE

> CHARLES TOKE N/ PRINCE SAL CLAPSHAL THESE







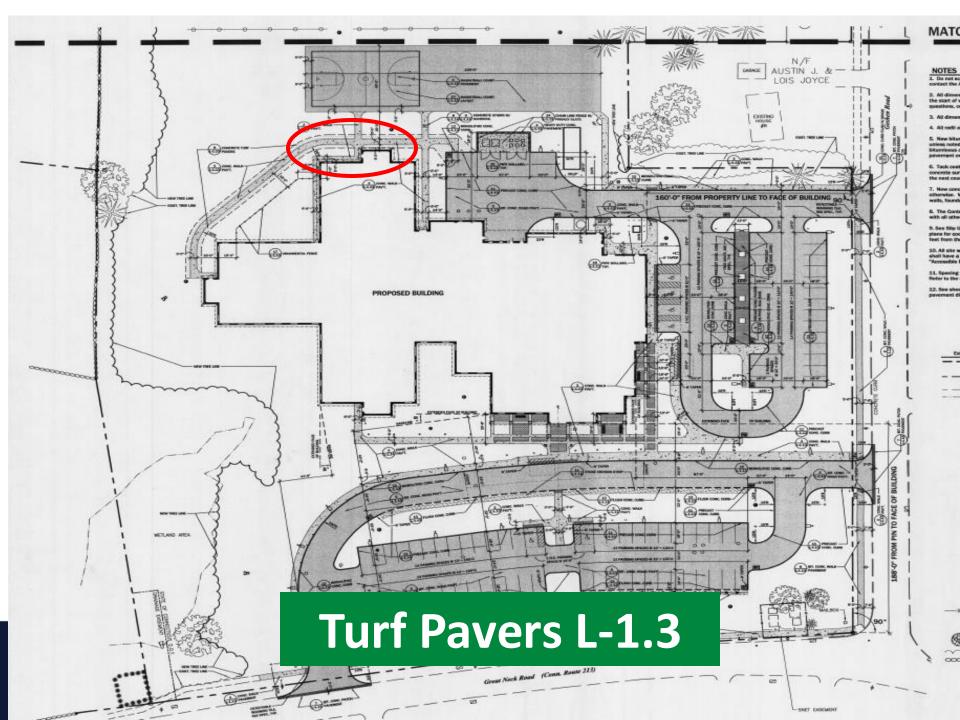
**FLUSH CONCRETE CURB** 

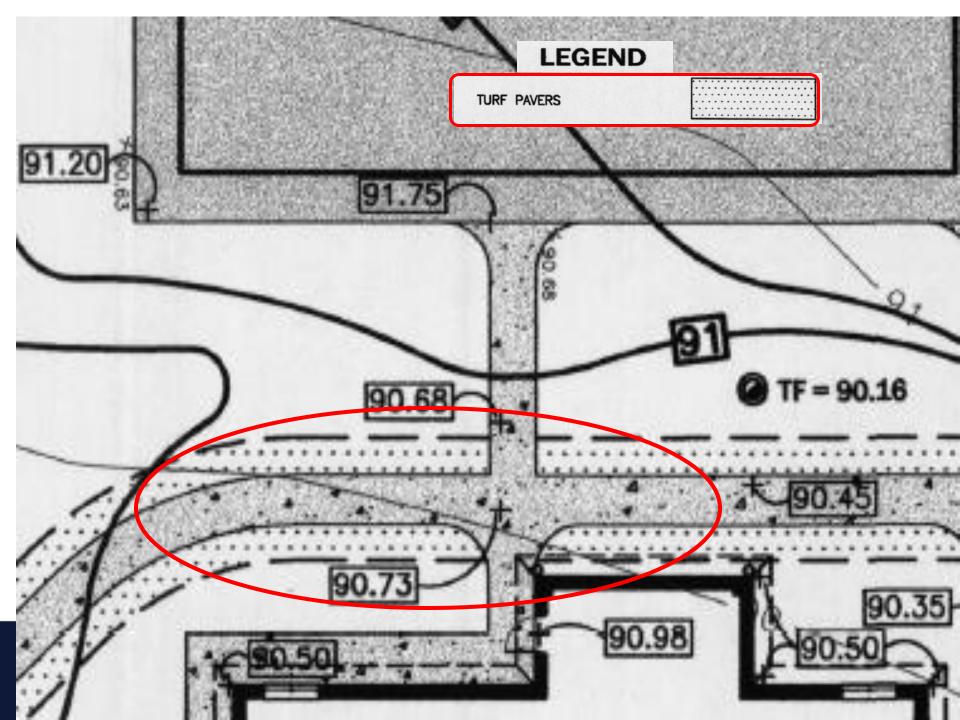
NOT TO SCALE

UCONN

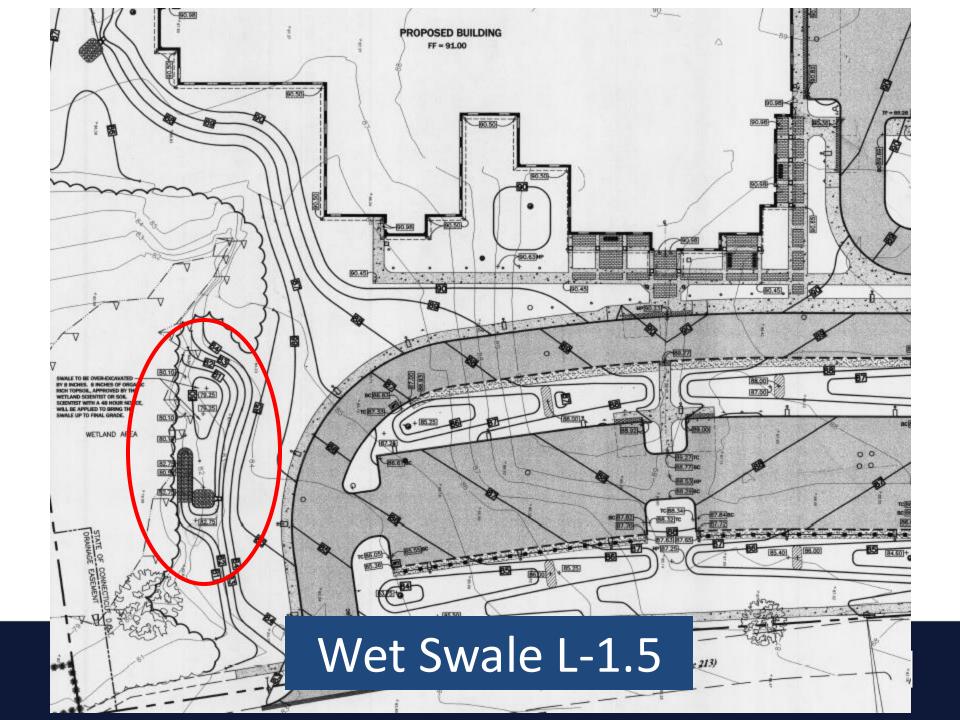


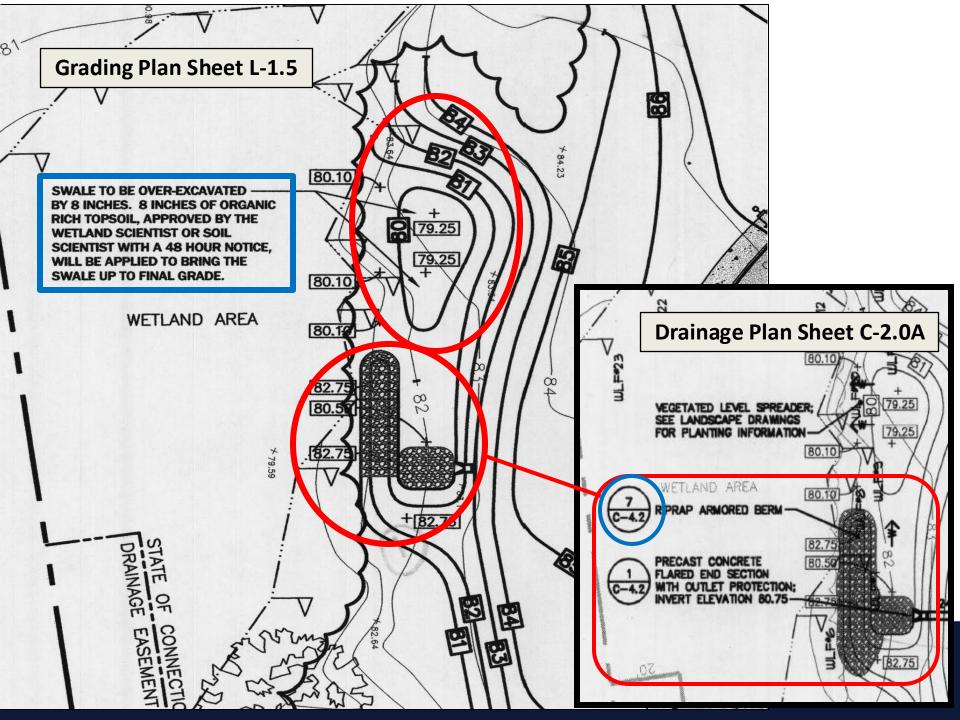












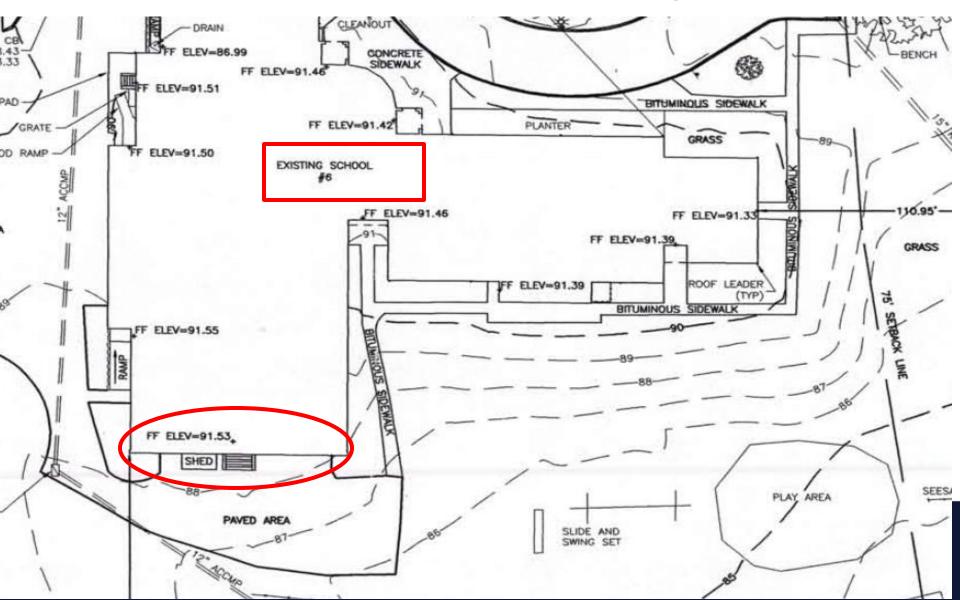


## Questions

- What is the first floor elevation at the southwest corner of the existing school?
   Sheet 1
- When were the plans last revised? Sheet 1
- What is the required setback from the road? Sheet 1
- How many lawn drains are the in the swales adjacent to the parking lots? L-1.5
- What is the elevation of the bottom of the wet swale? L-1.5
- What is the approximate elevation of wetland flag #21? C-2.0A
- What is the distance from catch basin #1 (CB01) to catch basin#2 (CB02)? C-2.0A
- On which detail sheet would you find the details of the basketball court? L-1.3
- What material is sidewalk at the entrance to the school made from? L-1.3
- What type of trees are planted along Great Neck Rd. L-1.9
- What type of plants are planted in the wet swale? L-1.9
- Follow the rain



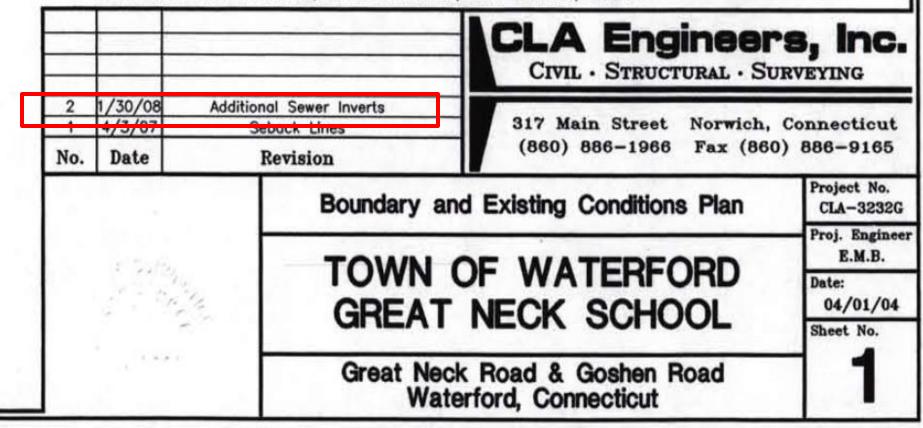
## #1 FF Elevation of Existing School



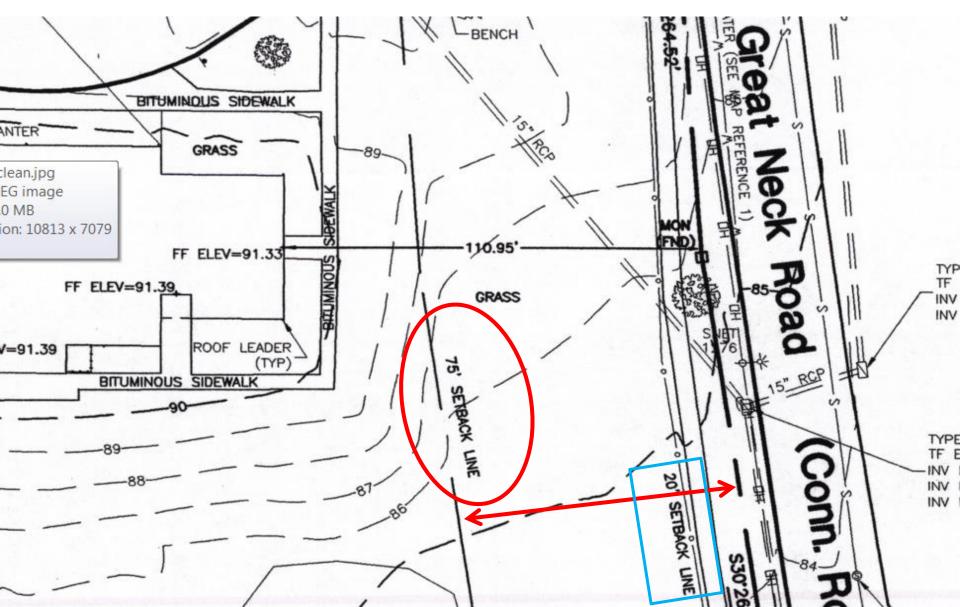
## #2 Last Revision

GREAT NECK RUAD , SCALE: 1 =40 , DATE: MAY, 19/3, BY: GEORGE DIETER.

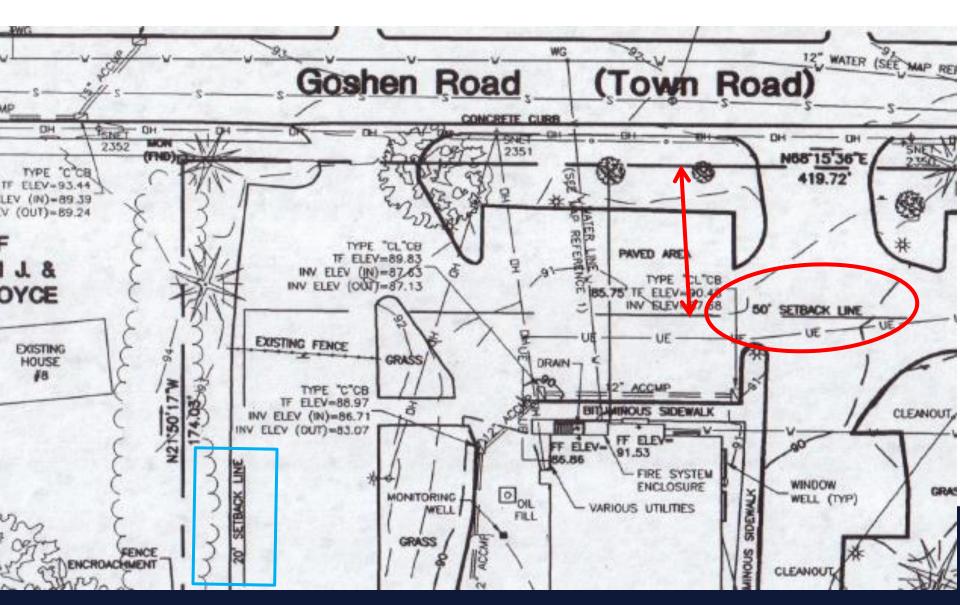
 "PLAN OF ROAD OR STREET IN THE TOWN OF WATERFORD, LAID OUT AND BUILT BY THE GOSHEN REALTY CO., AND ACCEPTED BY THE TOWN SEPT. 30, 1929", SCALE: 1"=100', BY: DABOLL AND CRANDALL, CIVIL ENGINEERS, NEW LONDON, CONN...



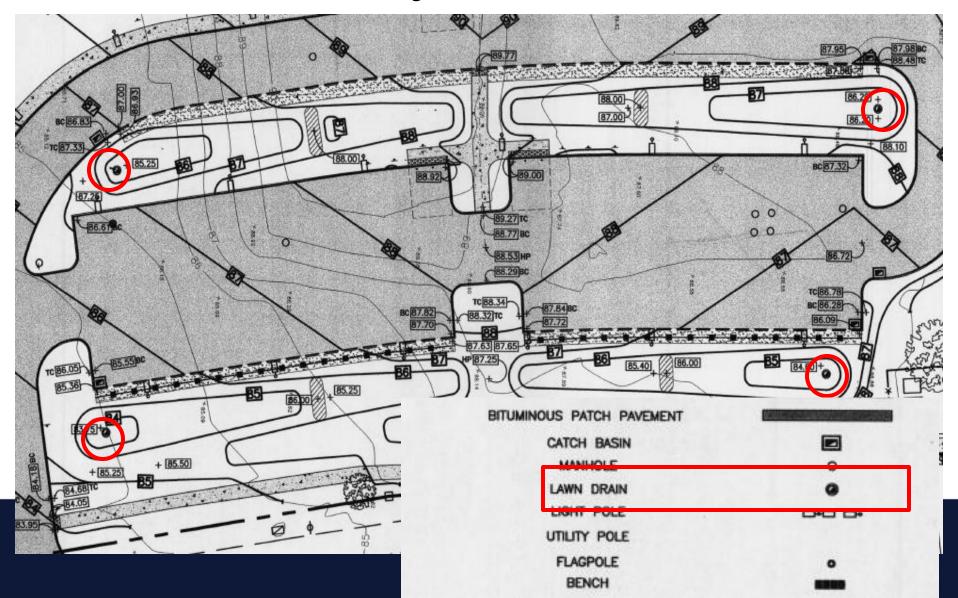
## #3 Setback from Great Neck Rd



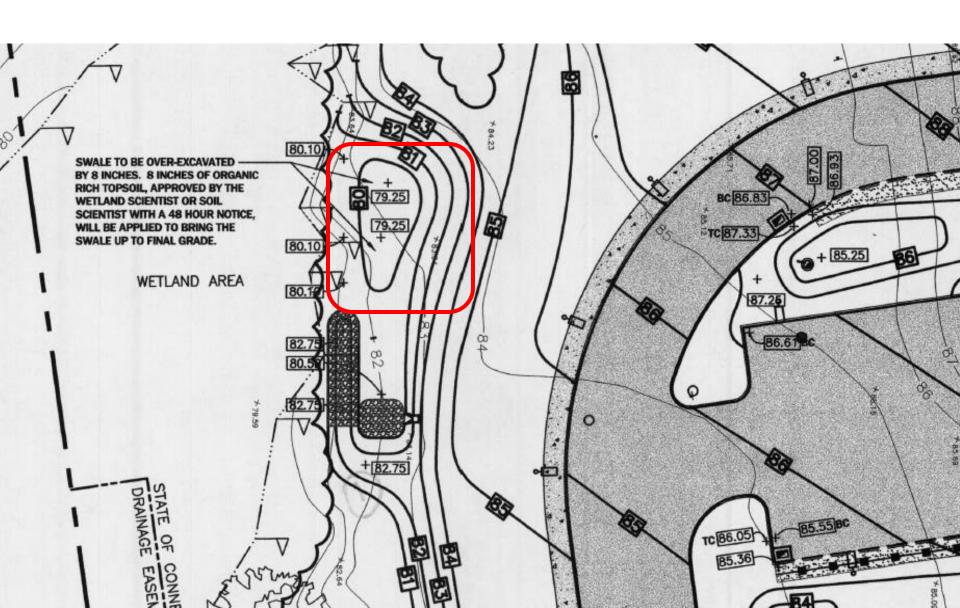
## #3 Setback from Goshen Rd



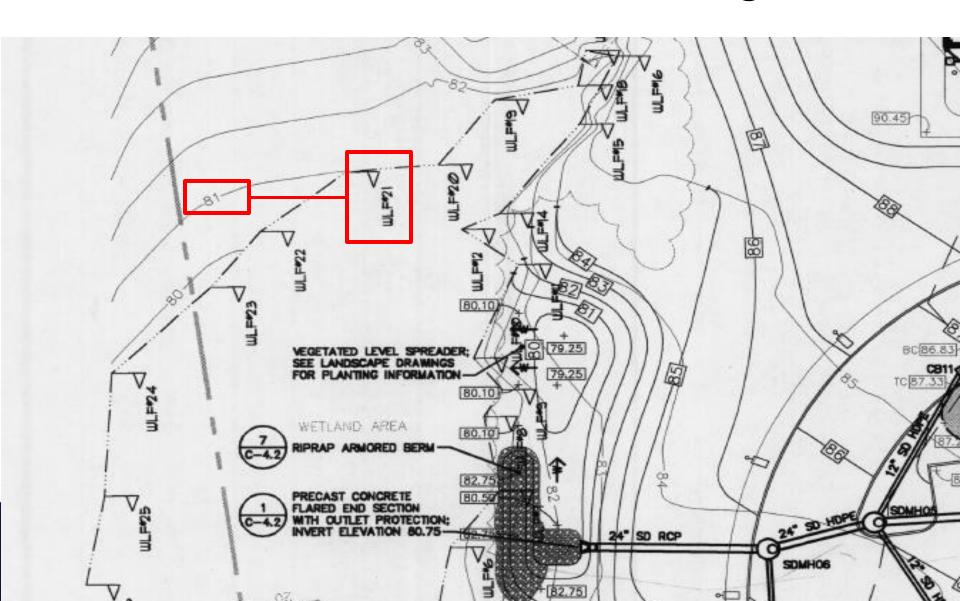
# #4--How Many Lawn Drains



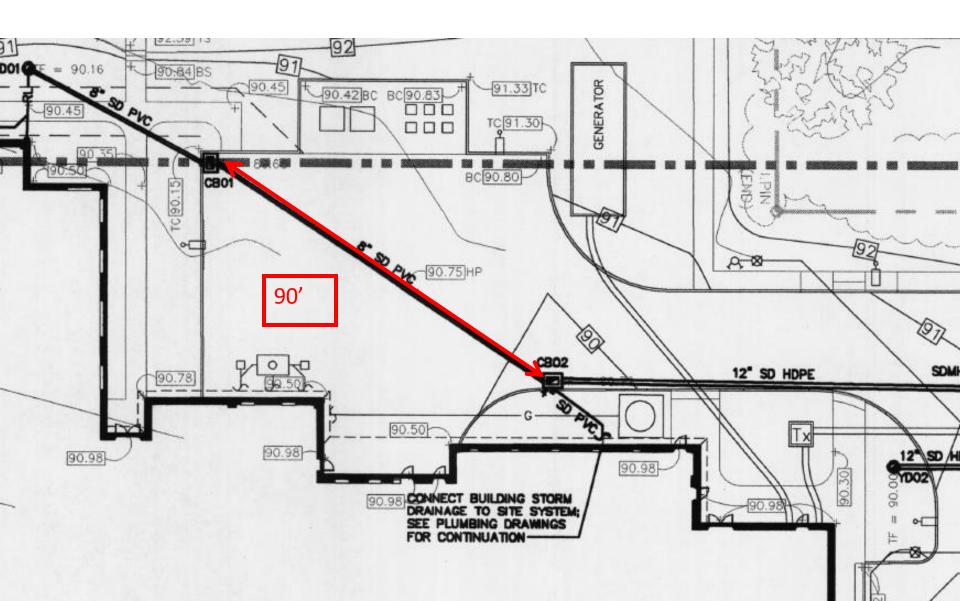
#### #5 Elevation at Bottom of Wet Swale



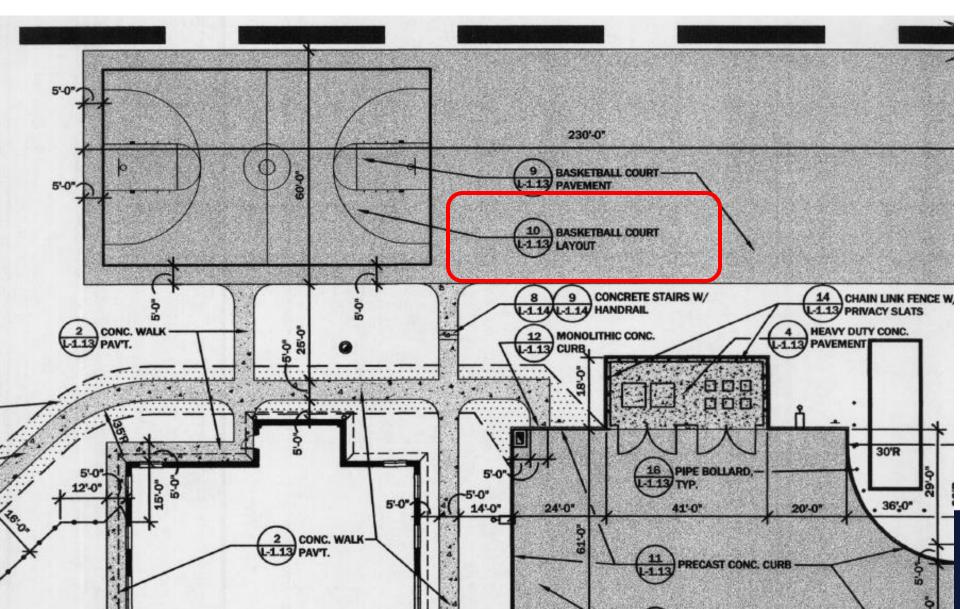
## #6 Elevation of Wetlands Flag #21



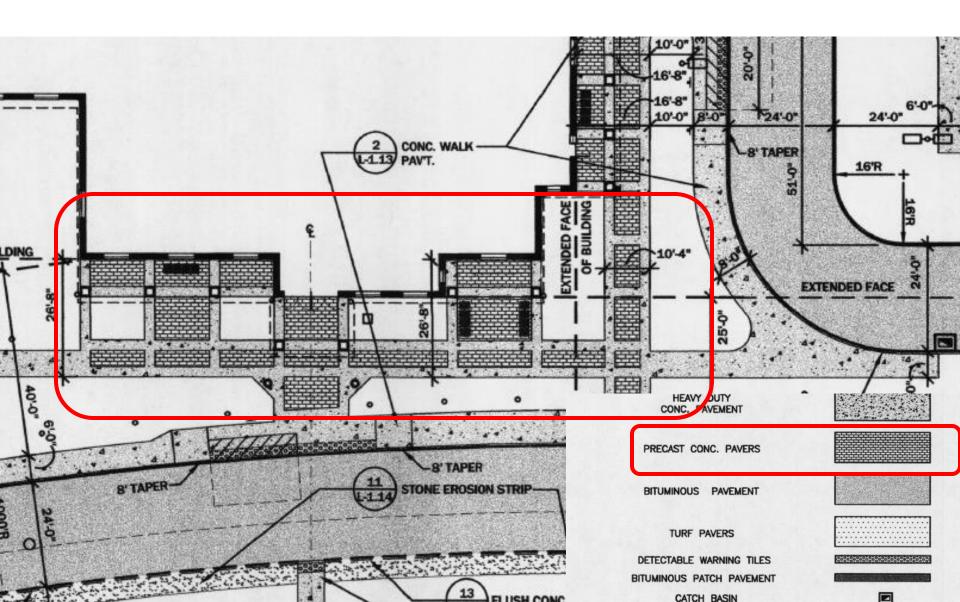
## #7 Distance from CB01 to CB02



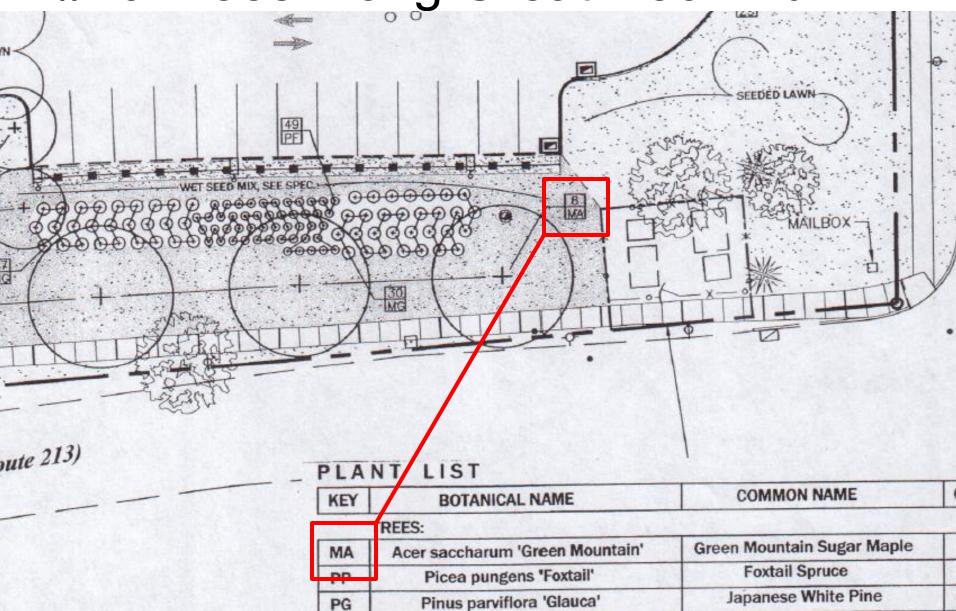
### #8 Basketball Court Detail Sheet



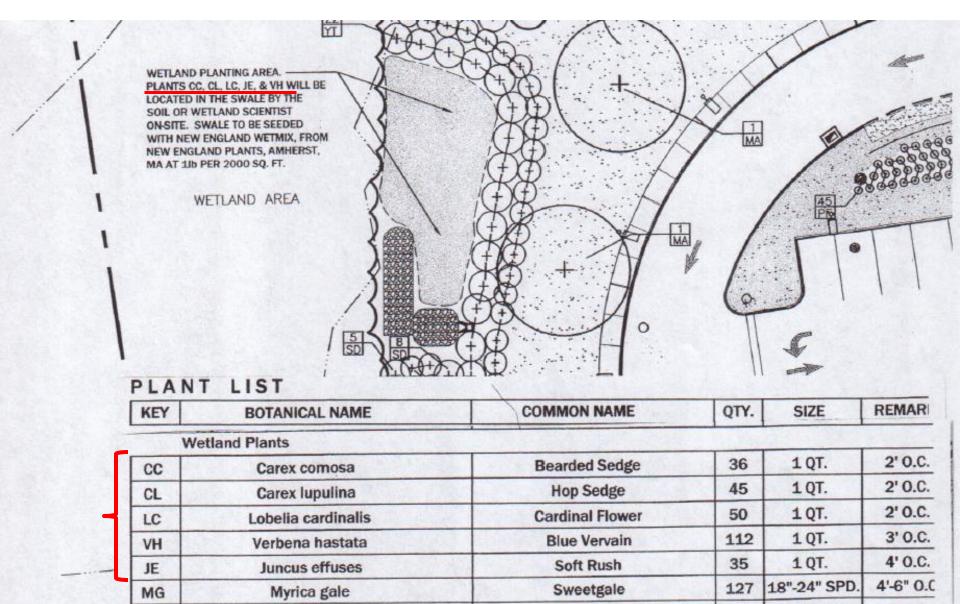
## #9 Sidewalk Treatment at Entrance



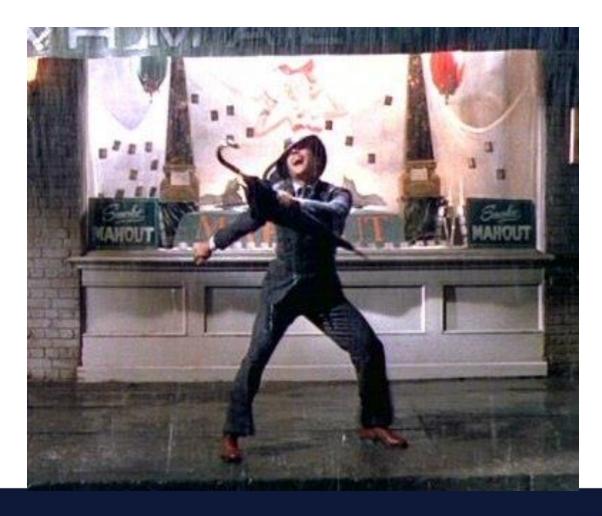
#10 Trees Along Great Neck Rd.



## #11 Plants in Wet Swale

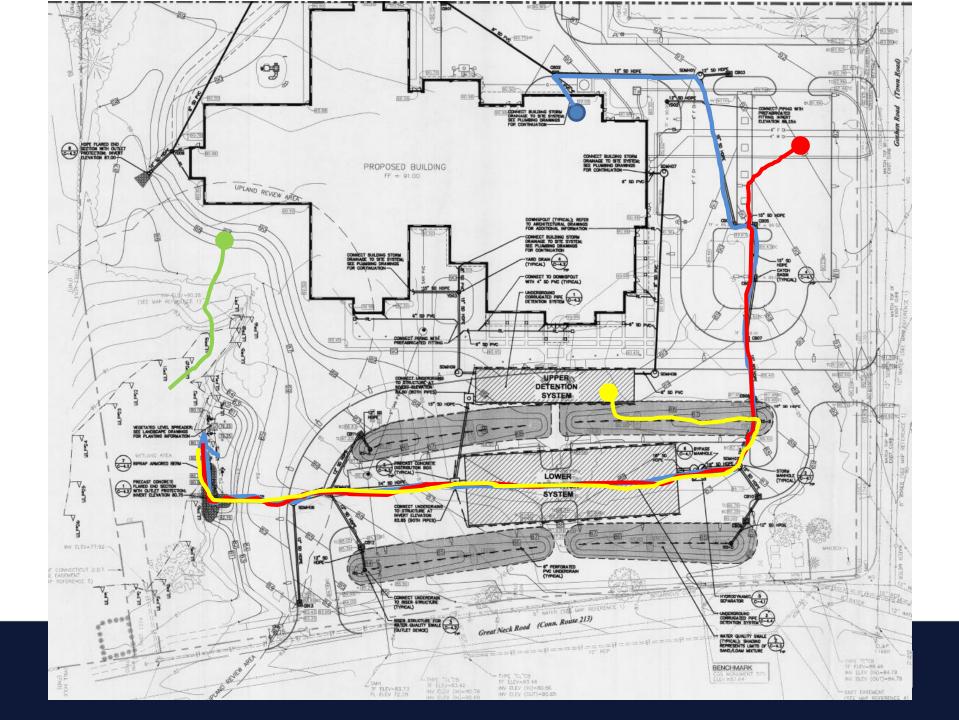


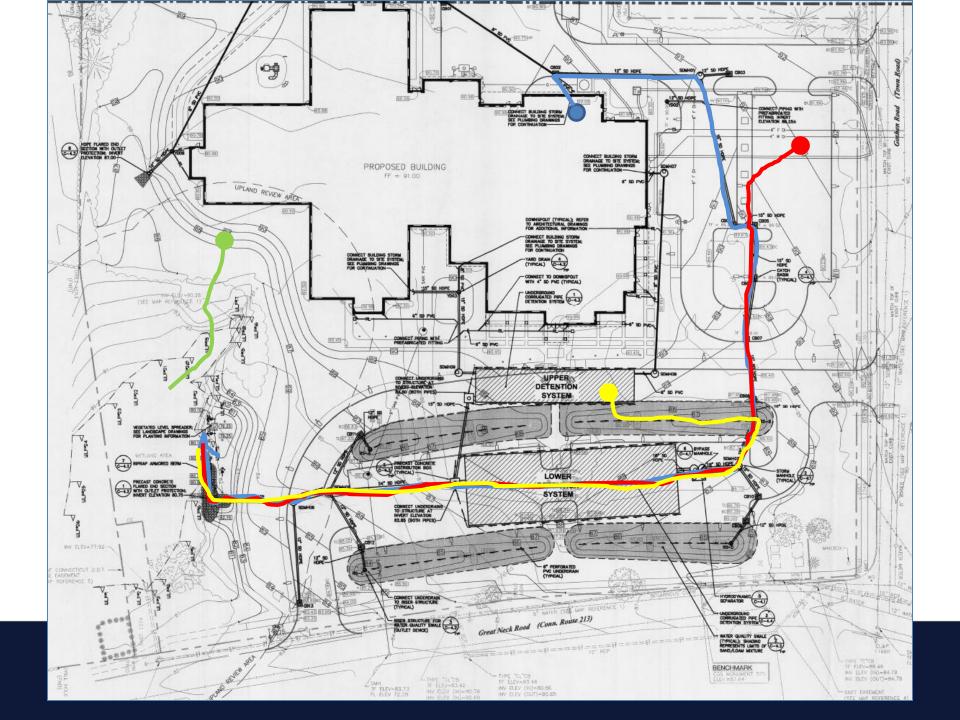
## Follow the Rain





**UCONN** 





# Heading Here

- Lorem ipsum dolor sit amet, consectetur adipiscing elit
- Donec faucibus quam vitae ipsum pulvinar, suscipit aliquam diam elementum
- Maecenas aliquent nisi a metus luctus scelerisque
- Etiam viverra sem a massa lacinia imperdiet. Donec faucibus quam vitae ipsum pulvinar, suscipit aliquam diam elementum

# Heading Here

#### Subheading 1

- Lorem ipsum dolor sit amet, consectetur adipiscing elit
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- Maecenas aliquent nisi a metus luctus scelerisque
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#### **Subheading 2**

- Lorem ipsum dolor sit amet, consectetur adipiscing elit
- Donec faucibus quam vitae ipsum pulvinar, suscipit aliquam diam elementum
- Maecenas aliquent nisi a metus luctus scelerisque
- Etiam viverra sem a massa lacinia imperdiet.