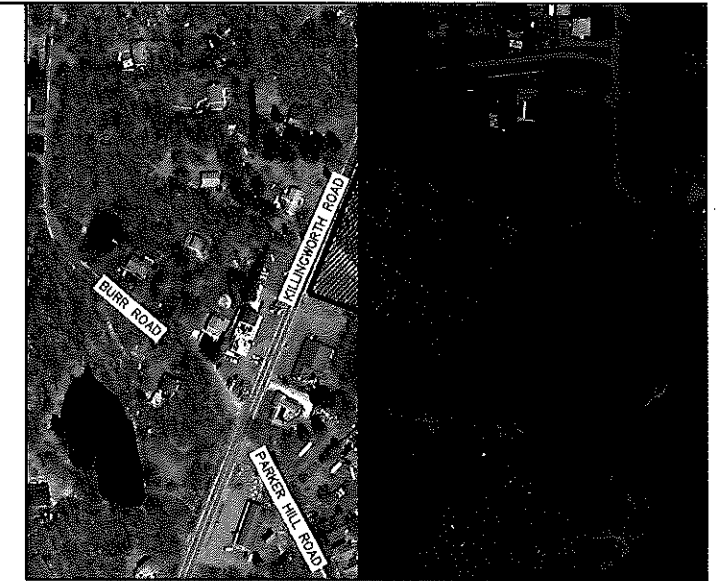


LOCATION MAP
N.T.S.

LAND DEVELOPMENT PLANS ISSUED FOR LOCAL APPROVAL

PROPOSED RETAIL DEVELOPMENT

KILLINGWORTH ROAD HADDAM, CONNECTICUT



VICINITY MAP
SCALE: 1"=200'

PREPARED FOR:
MPA REALTY ASSOCIATES, INC
60 GRANITE STREET
WALPOLE, MA 02081

CONTENTS

CV-1	TITLE SHEET
AL-1	ALTA/ACSM LAND TITLE SURVEY (BY DUFOUR SURVEYING)
GN-1	GENERAL NOTES
DM-1	DEMOLITION PLAN
SP-1	SITE PLAN
TT-1	TRUCK TURN PLAN - WB-67
GD-1	GRADING AND DRAINAGE PLAN
SU-1	SITE UTILITIES PLAN
SS-1 THROUGH SS-2	SEPTIC SYSTEM DETAILS
SD-1	INTERSECTION SIGHT DISTANCE PLAN
EC-1	SEDIMENT AND EROSION CONTROL PLAN
EC-2	SEDIMENT AND EROSION CONTROL NOTES
EC-3	SEDIMENT AND EROSION CONTROL DETAILS
LL-1	LANDSCAPING PLAN
LL-2	LANDSCAPING DETAILS AND NOTES
LP-1	LIGHTING PLAN
DN-1 THROUGH 8	DETAIL SHEETS
	CONCEPTUAL ELEVATIONS

PREPARED BY:



100 CONSTITUTION PLAZA, 10TH FLOOR
HARTFORD, CONNECTICUT 06103
(860) 249-2200
(203) 630-2165 Fax

SUBCONSULTANTS:

BKA ARCHITECTS, INC

DEVELOPER:

MPA REALTY ASSOCIATES, INC
60 GRANITE STREET
WALPOLE, MA 02081

OWNER:

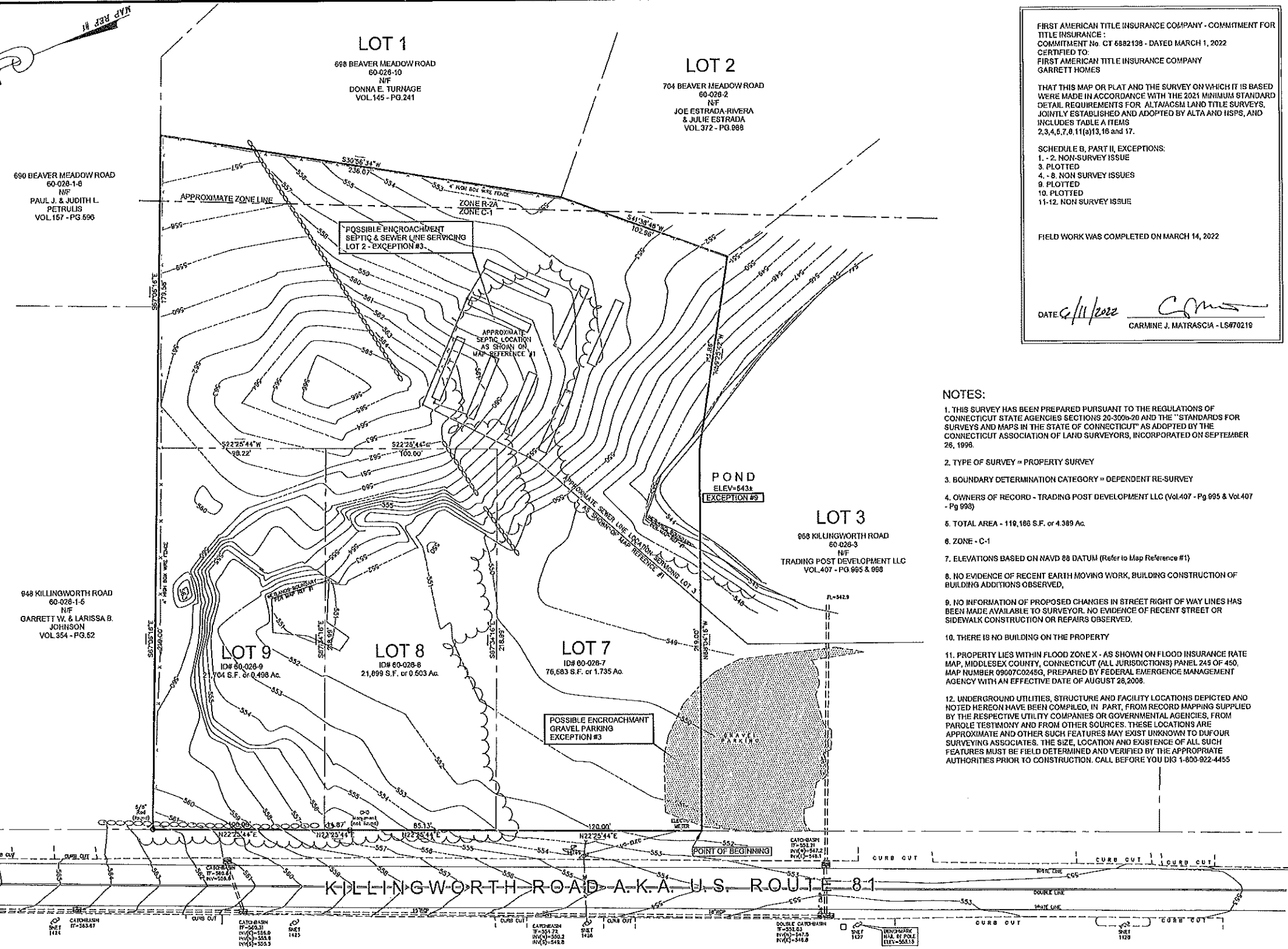
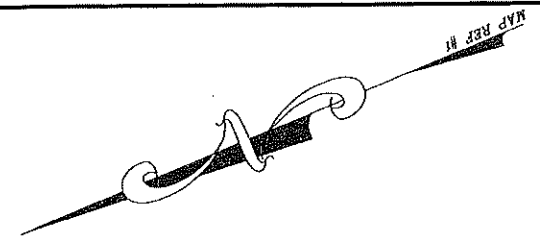
TRADING POST DEVELOPMENT LLC,
968 KILLINGWORTH RD
HADDAM, CT

DATES

ISSUE DATE: September 21, 2022

LEGEND

- STONE WALL
- SANITARY SEWER
- STORM SEWER
- CONTOUR LINE
- FOLIAGE LINE
- WIRE FENCE
- IRON PIN
- SURVEY MONUMENT
- DRILL HOLE
- CURB CATCHBASIN
- CURBLESS CATCHBASIN
- UTILITY POLE
- UTILITY POLE WITH GUY
- SANITARY MANHOLE
- DRAINAGE MANHOLE
- LIGHT STAND



LEGAL DESCRIPTION:

COMMENCING AT A POINT ON THE EASTERLY SIDE OF KILLINGWORTH ROAD, SAID POINT MARKING THE SOUTHWESTERLY CORNER OF THE HEREIN DESCRIBED PARCEL AND THE NORTHWESTERLY CORNER OF LOT 3, THENCE ALONG LOT 3 THE FOLLOWING COURSES AND DISTANCES S88°04'16"E, 219.00'; S59°25'42"E, 111.86' TO A POINT; THENCE ALONG LOT 2 N41°35'45"E, 102.95' TO A POINT; THENCE ALONG LOT 1 N30°56'34"E, 236.07' TO A POINT; THENCE ALONG LAND NOW OR FORMERLY OF PAUL J. & JUDITH L. PETRULIS AND GARRETT W. & LARISSA B. JOHNSON, PARTLY BY EACH, N87°05'16"W, 179.58' TO A POINT, THENCE CONTINUING ALONG THE LAND OF SAID JOHNSON N67°06'18"W, 219.00' TO A POINT ON THE EASTERLY SIDE OF SAID KILLINGWORTH ROAD, THENCE ALONG SAID KILLINGWORTH ROAD S22°25'44"W, 320.00' TO THE POINT AND PLACE OF BEGINNING.

FIRST AMERICAN TITLE INSURANCE COMPANY - COMMITMENT FOR TITLE INSURANCE:
 COMMITMENT No. CT 6882138 - DATED MARCH 1, 2022
 CERTIFIED TO:
 FIRST AMERICAN TITLE INSURANCE COMPANY
 GARRETT HOMES

THAT THIS MAP OR PLAN AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES TABLE A ITEMS 2, 3, 4, 5, 7, 8, 11(a), 13, 16 and 17.

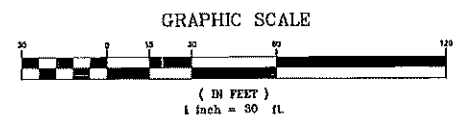
SCHEDULE B, PART II, EXCEPTIONS:
 1. - 2. NON-SURVEY ISSUE
 3. PLOTTED
 4. - 8. NON-SURVEY ISSUES
 9. PLOTTED
 10. PLOTTED
 11-12. NON-SURVEY ISSUE

FIELD WORK WAS COMPLETED ON MARCH 14, 2022

DATE 6/11/2022
 CARMINE J. MATRASCIA - LS#70219

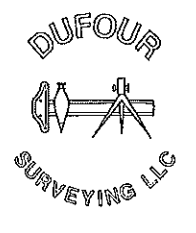
- NOTES:**
1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INCORPORATED ON SEPTEMBER 26, 1998.
 2. TYPE OF SURVEY = PROPERTY SURVEY
 3. BOUNDARY DETERMINATION CATEGORY = DEPENDENT RE-SURVEY
 4. OWNERS OF RECORD - TRADING POST DEVELOPMENT LLC (Vol.407 - Pg.995 & Vol.407 - Pg.998)
 5. TOTAL AREA - 118,166 S.F. or 4.389 Ac.
 6. ZONE - C-1
 7. ELEVATIONS BASED ON NAVD 88 DATUM (Refer to Map Reference #1)
 8. NO EVIDENCE OF RECENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS OBSERVED.
 9. NO INFORMATION OF PROPOSED CHANGES IN STREET RIGHT OF WAY LINES HAS BEEN MADE AVAILABLE TO SURVEYOR. NO EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS OBSERVED.
 10. THERE IS NO BUILDING ON THE PROPERTY
 11. PROPERTY LIES WITHIN FLOOD ZONE X - AS SHOWN ON FLOOD INSURANCE RATE MAP, MIDDLESEX COUNTY, CONNECTICUT (ALL JURISDICTIONS) PANEL 245 OF 450, MAP NUMBER 09007C0245G, PREPARED BY FEDERAL EMERGENCY MANAGEMENT AGENCY WITH AN EFFECTIVE DATE OF AUGUST 28, 2008.
 12. UNDERGROUND UTILITIES, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM PAROLE TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS ARE APPROXIMATE AND OTHER SUCH FEATURES MAY EXIST UNKNOWN TO DUFOR SURVEYING ASSOCIATES. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455

- MAP REFERENCES :**
1. "TOPOGRAPHIC SURVEY - OF - 968 KILLINGWORTH ROAD (aka ROUTE 81) - PARCEL ID# 60-028-07, 60-028-08 & 60-028-09 - KILLINGWORTH ROAD (aka ROUTE 81) - HADDAM, CONNECTICUT - PREPARED FOR - DATTILO COMMERCIAL REAL ESTATE", scale 1" = 30', dated October 26, 2020 and prepared by Gesick & Associates, P.C., Surveyors, Mappers, Planners
 2. "PROPERTY OF - JOHN HELENAK & JOHN MUZIK - SHOWING REMAINING LOTS #3, #7, #8 & #9", scale 1" = 40', dated July, 1971 and prepared by Vincent Ynonne, L.S., (H.L.R. Map #922)
 3. "PROPERTY OF - JOHN HELENAK & JOHN MUZIK - HADDAM, CONN.", scale 1" = 40', dated July, 1968 and prepared by Vincent Ynonne, L.S., (H.L.R. Map #583)



TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS MAP AND SURVEY WERE PREPARED IN ACCORDANCE WITH THE STANDARDS OF A CLASS A2 & T-2 SURVEY AS DEFINED IN THE CODE OF PRACTICE FOR STANDARDS OF ACCURACY OF SURVEYS AND MAPS, ADOPTED SEPT. 28, 1998 AS AMENDED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INCORPORATED.

CARMINE J. MATRASCIA - L.S. #70219



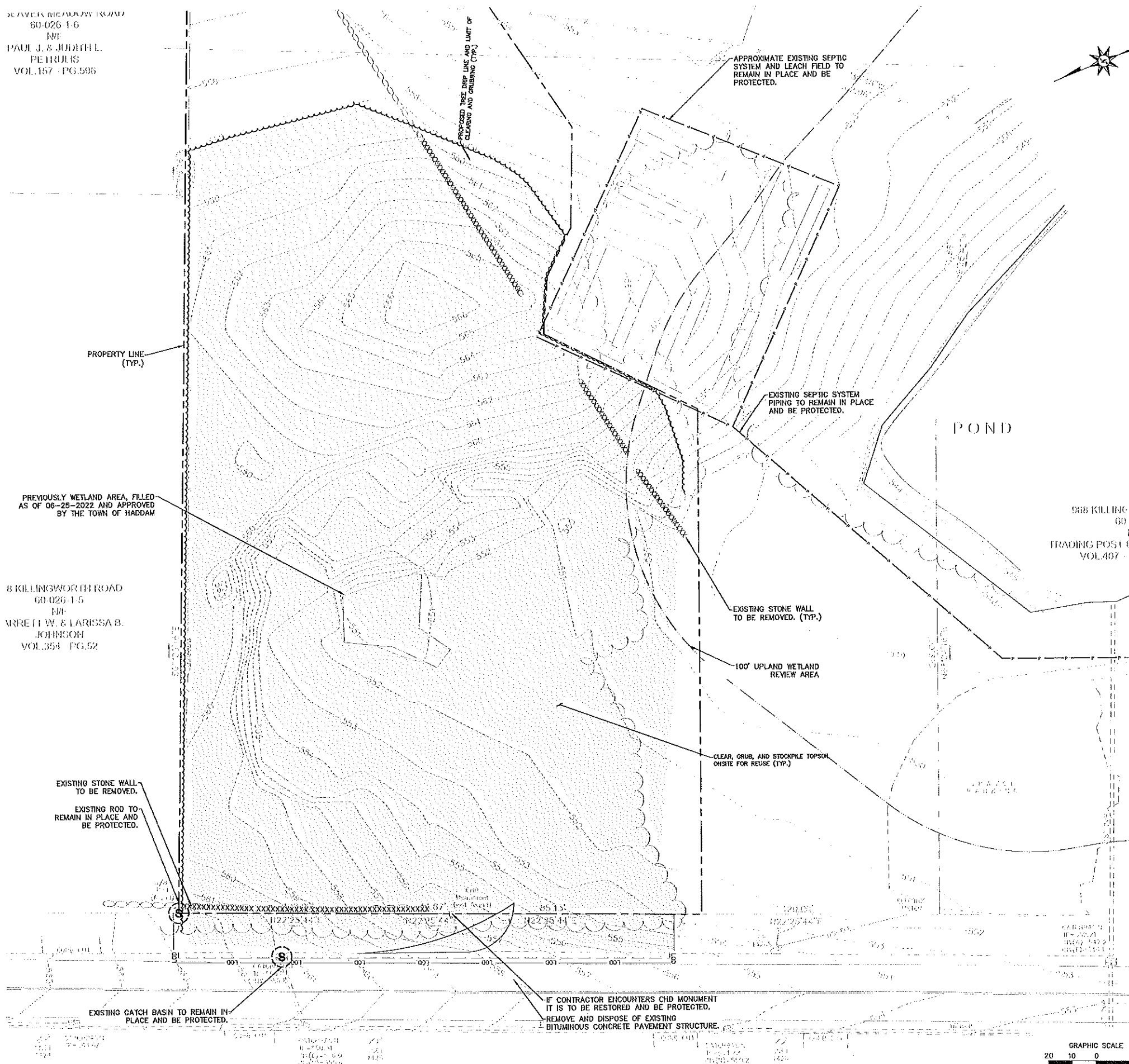
ALTA/NSPS LAND TITLE SURVEY		
PREPARED FOR: GARRETT HOMES		
LOT 7, LOT 8 & LOT 9 KILLINGWORTH ROAD, HADDAM, CONNECTICUT		
SCALE: 1" = 30'	APPROVED: CARMINE J. MATRASCIA - L.S. #70219	
DATE: 03-17-2022	JOB NO: 22-10	FILE NO: 122-10
DUFOR SURVEYING LLC 575 NORTH MAIN STREET BRISTOL, CONNECTICUT 860-314-6502 860-738-0222		

DEMOLITION LEGEND

- LOD ——— PROPERTY LINE
- LIMIT OF DISTURBANCE AND SITE WORK CONTRACT LIMIT LINE
- SAWCUT LINE
- WETLAND LINE
- WETLAND BUFFER LINE
- PROPOSED TREE DRIP LINE AND LIMIT OF CLEARING AND GRUBBING
- XXXXXXXXXXXXXXXXXXXXX- REMOVE AND DISPOSE OF UNDERGROUND STORMWATER OR UTILITY PIPE, CURB, FENCING, WALLS, OVERHEAD WIRES, ETC.
- P — P — P — PROTECT EXISTING UTILITY LINE
- ⊗ REMOVE AND DISPOSE OF LIGHT POLE, SIGN, PIPING, UTILITY STRUCTURE, APPURTENANCE, FIXTURE, TREE, AND/OR TREE STUMP, ETC.
- Ⓢ PROTECT EXISTING STRUCTURE/FURNISHING OR TREE
- ▭ REMOVE AND DISPOSE OF EXISTING BITUMINOUS CONCRETE PAVEMENT STRUCTURE
- ▭ CLEARING AND GRUBBING, REMOVE AND DISPOSE EXISTING TREES, SHRUBS, BRUSH, STUMPS, AND DEBRIS

SCALE: AS SHOWN FROM
60-026-1-6
N/A
PAUL J. & JUDITH L.
PELLERUS
VOL.157 PG.596

8 KILLINGWORTH ROAD
60-026-1-5
N/A
MRETT W. & LARESSA B.
JOHNSON
VOL.354 PG.52



PROPOSED RETAIL DEVELOPMENT
KILLINGWORTH ROAD
HADDAM, CONNECTICUT

REVISIONS	Des.
No.	Date
Designed	T.A.H.
Drawn	C.D.C.
Reviewed	
Scale	1"=20'
Project No.	2200118
Date	07/21/2022
CAD File:	D:\220011801

DEMOLITION PLAN

Sheet No.
DM-1

NOT FOR CONSTRUCTION
FOR PERMITTING PURPOSES
ONLY

REFER TO SHEET GN-1 FOR
SITE WORK GENERAL NOTES

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SITE PLAN LEGEND

	PROPERTY LINE
	BUILDING SETBACK LINE
	LIMIT OF DISTURBANCE AND SITE WORK CONTRACT LIMIT LINE
	PROPOSED TREE DRIP LINE AND LIMIT OF CLEARING AND GRUBBING
	SAWCUT LINE
	PROVIDE AND INSTALL CURB, SEE PLAN FOR MATERIAL TYPE
	PROVIDE AND INSTALL BLACK VINYL COATED CHAIN LINK FENCE WITH PRIVACY SLATS
	PROVIDE AND INSTALL CONCRETE PAVEMENT, CONCRETE SIDEWALK, OR MONOLITHIC CONCRETE CURB AND SIDEWALK STRUCTURE
	PROVIDE AND INSTALL FULL DEPTH HEAVY DUTY BITUMINOUS CONCRETE PAVEMENT STRUCTURE
	PROVIDE AND INSTALL FULL DEPTH STANDARD DUTY BITUMINOUS CONCRETE PAVEMENT STRUCTURE
	PROVIDE AND INSTALL TRAFFIC SIGN
	STANDARD PARKING STALL COUNT
	HANDICAP PARKING STALL COUNT

ZONING INFORMATION

LOCATION: HADDAM, CT				
ZONE: C1 (COMMERCIAL)				
USE: RETAIL (PERMITTED USE VIA SITE PLAN APPROVAL)				
ITEM #	ITEM	REQUIREMENTS	PROPOSED	VARIANCE
1	MINIMUM LOT AREA	1/2 ACRE	±73,329 S.F. (±1.68 AC.)	NO
2	MINIMUM LOT WIDTH	NONE REQUIRED	126 FEET	NO
3	MINIMUM LOT FRONTAGE	100 FEET	220 FEET	NO
4	MINIMUM FRONT SETBACK	30 FEET	105 FEET	NO
5	MINIMUM SIDE SETBACK	10 FEET / AGGREGATE SIDE: 25 FEET	46 FEET / AGGREGATE SIDE: 110 FEET	NO
6	MINIMUM REAR SETBACK	20 FEET	151 FEET	NO
7	MAXIMUM BUILDING HEIGHT	35 FEET	T.B.D.	NO
8	MAXIMUM BUILDING COVERAGE	40 PERCENT	±15 PERCENT	NO
9	MAXIMUM IMPERVIOUS COVERAGE	75 PERCENT	±51 PERCENT	NO

PARKING INFORMATION

ITEM #	ITEM	REQUIREMENTS	PROPOSED	VARIANCE
1	BUILDING SIZE	NONE REQUIRED	10,700 S.F.	NO
2	PARKING REQUIRED	RETAIL: 1 SPACE PER EVERY 300 S.F. OF GROSS FLOOR AREA (10,700 S.F.) = 36	36 SPACES	NO
3	MINIMUM HANDICAPPED PARKING SPACES REQUIRED	2 SPACES	2 SPACES	NO
4	MINIMUM PARKING DIMENSIONS	9 FEET X 18 FEET	9 FEET X 20 FEET	NO
5	MINIMUM AISLE WIDTH	24 FEET - 2-WAY	32 FEET - 2-WAY	NO
6	MINIMUM FRONT SETBACK	20 LANDSCAPED STRIP ADJACENT TO STREET	20 FEET	NO
7	MINIMUM SIDE SETBACK	0 FEET	7 FEET	NO
8	MINIMUM REAR SETBACK	0 FEET	20 FEET	NO

SIGN LEGEND

SIGN NO.	CT-DOT NO. OR MUTCD NO.	LEGEND
A	CTDOT 31-0532	
B	CT-DOT -- 31-0552 (SIGNAL)	
C	CTDOT 31-0548	

NOT FOR CONSTRUCTION
FOR PERMITTING PURPOSES
ONLY

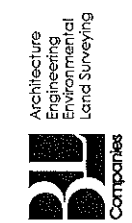
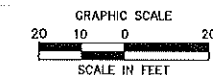
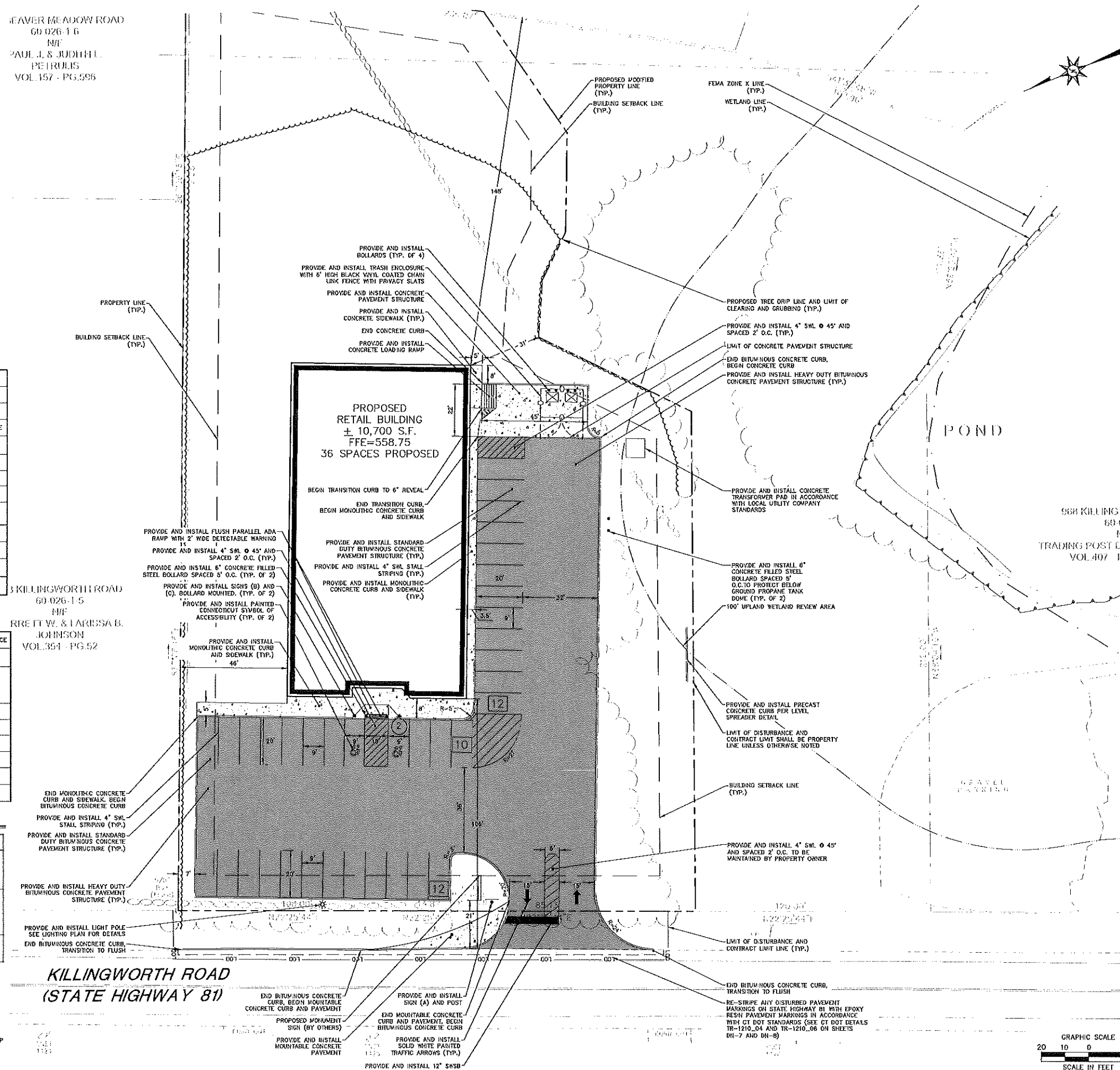
REFER TO SHEET GN-1 FOR
SITE WORK GENERAL NOTES

NOTE:
1. HANDICAPPED SIGNS TO BE INSTALLED IN PIPE BOLLARDS (SEE DETAIL ON SHEET DN-2). ALL HANDICAP SIGNS TO CONFORM TO LATEST BUILDING CODE.
2. NO SIGN SHALL BE LOCATED CLOSER THAN 10' FROM ANY PROPERTY LINE, EXCLUDING PUBLIC SAFETY SIGNS.

HEAVER MEADOW ROAD
60-026-1-6
NA/
PAUL J. & JUDITH L.
PETRULIS
VOL. 157 - PG. 595

KILLINGWORTH ROAD
60-026-1-5
NA/
RRE FT W. & LARISSA B.
JOHNSON
VOL. 354 - PG. 52

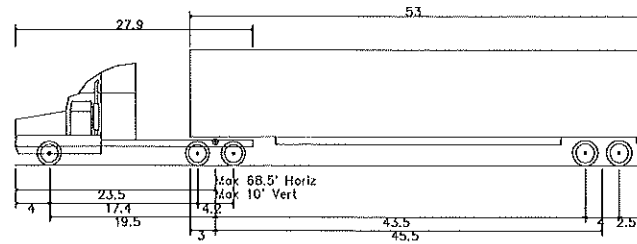
KILLINGWORTH ROAD
(STATE HIGHWAY 81)



355 Research Parkway
Meriden, CT 06450
(203) 655-1000
(203) 630-2813 Fax

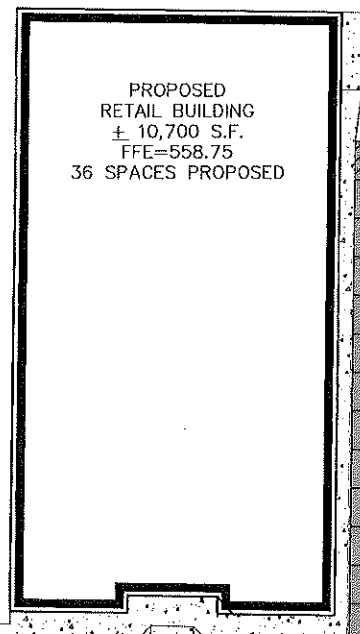
PROPOSED RETAIL DEVELOPMENT
KILLINGWORTH ROAD
HADDAM, CONNECTICUT

Desig.	
REVISED	
No.	Date
Desig.	I.A.H.
Drawn	C.D.C.
Reviewed	
Scale	1"=20'
Project No.	2200418
Date	09/21/2002
CAD File	SP220041801
Title	SITE PLAN
Sheet No.	SP-1



WB-67 - Interstate Semi-Trailer
 Overall Length 73.501ft
 Overall Width 8.500ft
 Overall Body Height 13.500ft
 Min Body Ground Clearance 1.334ft
 Max Track Width 8.500ft
 Lock-to-lock time 6.00s
 Max Steering Angle (Virtual) 28.40°

3 KILLINGWORTH ROAD
 60 026-1-5
 H/F
 RRE FT W. & TARISSA B.
 JOHNSON
 VOL 354 - PG.52



POND

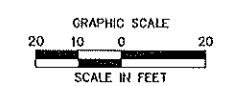
96B KILLING
 60 U
 H
 TRADING POST D
 VOL 407 - P

SHADE
 PARKING

KILLINGWORTH ROAD
 (STATE HIGHWAY 81)

NOT FOR CONSTRUCTION
 FOR PERMITTING PURPOSES
 ONLY

REFER TO SHEET GN-1 FOR
 SITE WORK GENERAL NOTES



355 Research Parkway
 Weston, CT 06459
 (203) 438-1400
 (203) 439-2515 Fax

PROPOSED RETAIL DEVELOPMENT
 KILLINGWORTH ROAD
 HADDAM, CONNECTICUT

REVISIONS	No.	Date	Des.
Designed			T.A.H.
Drawn			C.D.C.
Reviewed			
Scale			1"=20'
Project No.			2202418
Date			09/21/2022
CAD File:			11220241801

TRUCK
 TURNING PLAN
 WB-67

Sheet No.
TT-1


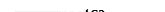







PROJECT: C:\PROJECTS\2022\WB-67 TRUCK TURNING PLAN\WB-67 TRUCK TURNING PLAN.dwg, DATE: 09/21/2022, TIME: 10:00:00 AM

REV. NO.	DATE	DESCRIPTION

DESIGNED BY: T.A.H.
DRAWN BY: T.A.H.
REVIEWED BY: T.A.H.
SCALE: 1"=20'
PROJECT NO.: 2200418
DATE: 07/21/2022
CAD FILE: GD220041801

TITLE: **GRADING AND DRAINAGE PLAN**
SHEET NO.: **GD-1**

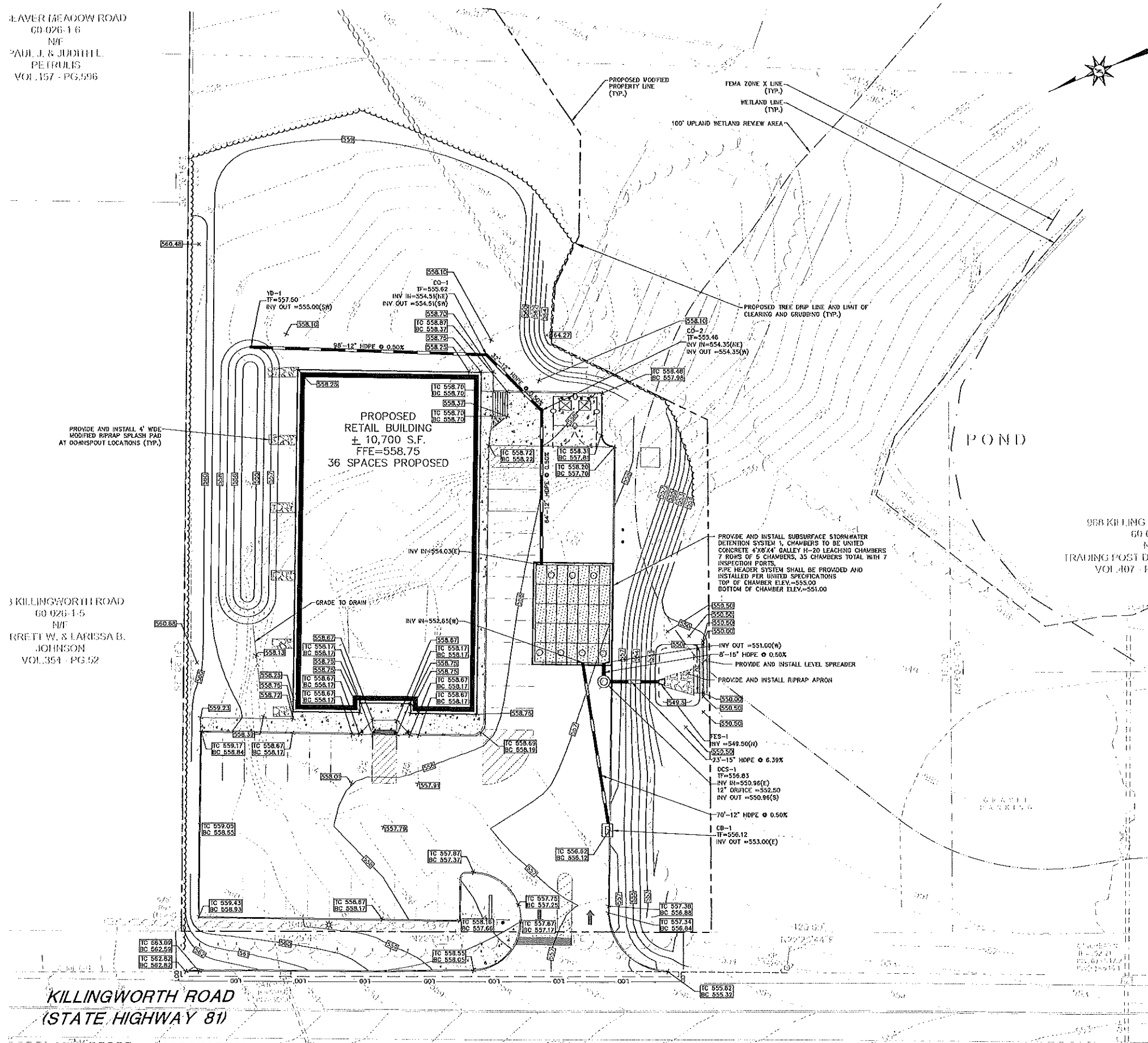
GRADING AND DRAINAGE LEGEND

-  PROPERTY LINE
-  LIMIT OF DISTURBANCE AND SITework
-  CONTRACT LIMIT LINE
-  SAWCUT LINE
-  STORM LINE
-  MANDOLE
-  CATCH BASIN
-  PROPOSED CONTOUR LINE
-  PROPOSED SPOT GRADE
- SPOT GRADE ABBREVIATIONS**
- BC BOTTOM OF CURB
- TC TOP OF CURB
- BW BOTTOM OF WALL
- TW TOP OF WALL
- MEX MEET EXISTING CONDITION

LEAVER MEADOW ROAD
GD 026-1-6
N/A
PAUL J. & JUDITH L.
PETRULIS
VOL. 157 - PG. 596

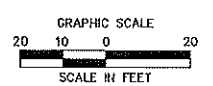
3 KILLINGWORTH ROAD
GD 026-1-5
N/A
KRETT W. & LARISSA B.
JOHNSON
VOL. 354 - PG. 52

**KILLINGWORTH ROAD
(STATE HIGHWAY 81)**



NOT FOR CONSTRUCTION
FOR PERMITTING PURPOSES
ONLY

REFER TO SHEET GN-1 FOR
SITE WORK GENERAL NOTES



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SITE UTILITIES LEGEND

- PROPERTY LINE
- LIMIT OF DISTURBANCE AND CONTRACT LIMIT LINE
- SAWCUT LINE
- ELECTRIC LINE
- GAS LINE
- WATER LINE
- SANITARY SEWER LINE
- TELECOMMUNICATIONS LINE
- ETC ETC ELECTRIC AND TELECOMMUNICATIONS
- STORM LINE

LEAVER MEADOW ROAD
GD 026 1-6
N/A
PAUL J. & JUDITH L.
PETRULIS
VOL. 157 - PG. 596

PROVIDE AND INSTALL WELL. COORDINATE WITH CONNECTICUT RIVER AREA HEALTH DISTRICT AND HEALTH CODE REQUIREMENTS
25' WELL BUFFER RADIUS
75' WELL BUFFER RADIUS

PROVIDE AND INSTALL 2" TYPE K COPPER DOMESTIC WATER SERVICE CONNECTION TO BUILDING FROM WELL

PROVIDE AND INSTALL PROPANE SERVICE LINE PER PROPANE SERVICE PROVIDER REQUIREMENTS

3 KH KILLINGWORTH ROAD
GD 026 1-5
N/A
BRETT W. & LARISSA B.
JOHNSON
VOL. 354 - PG. 52

SEPTIC SYSTEM CROSS SECTION A-A
PROVIDE AND INSTALL 20" 4" PVC SCH40 SANITARY SEWER PIPE @2.1%

PROVIDE AND INSTALL H-20 LOAD RATED 1,500 GALLON SEPTIC TANK WITH RISERS, FRAMES, AND COVERS TO GRADE.
TF=558.15/558.15
INV IN=555.14
INV OUT=554.89

PROVIDE AND INSTALL SEPTIC LEACHING AREA GEOMATRIX G518206 SYSTEM
TOP OF SYSTEM=554.51
INV IN=554.01
BOTTOM OF SYSTEM=553.26

PROVIDE AND INSTALL 40" 4" PVC SCH40 SANITARY SEWER PIPE @2.1%

PROVIDE AND INSTALL CONCRETE DISTRIBUTION BOX
TF=557.85
INV IN=554.05
INV OUT=554.05

PROVIDE AND INSTALL SANITARY SEWER CLEANOUT (TYP.)

APPROXIMATE TEST PIT LOCATION

3 KH KILLINGWORTH ROAD
GD 026 1-5
N/A
BRETT W. & LARISSA B.
JOHNSON
VOL. 354 - PG. 52

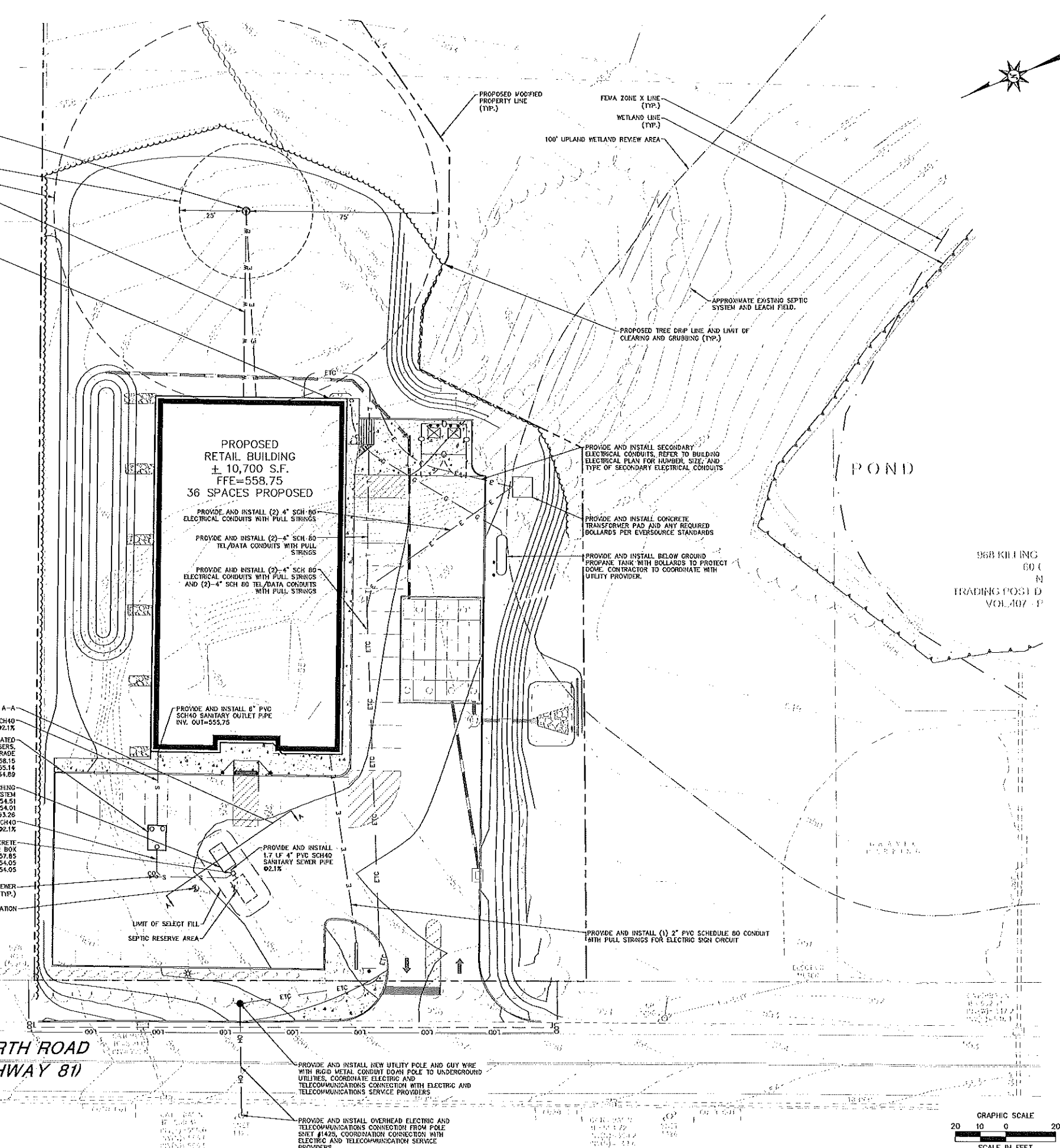
PROVIDE AND INSTALL 6" PVC SCH40 SANITARY OUTLET PIPE
INV. OUT=555.75

PROVIDE AND INSTALL 2" TYPE K COPPER DOMESTIC WATER SERVICE CONNECTION TO BUILDING FROM WELL

PROVIDE AND INSTALL PROPANE SERVICE LINE PER PROPANE SERVICE PROVIDER REQUIREMENTS

PROVIDE AND INSTALL 2" TYPE K COPPER DOMESTIC WATER SERVICE CONNECTION TO BUILDING FROM WELL

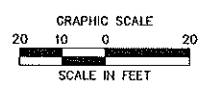
PROVIDE AND INSTALL PROPANE SERVICE LINE PER PROPANE SERVICE PROVIDER REQUIREMENTS



KILLINGWORTH ROAD
(STATE HIGHWAY 81)

NOT FOR CONSTRUCTION FOR PERMITTING PURPOSES ONLY

REFER TO SHEET GN-1 FOR SITE WORK GENERAL NOTES



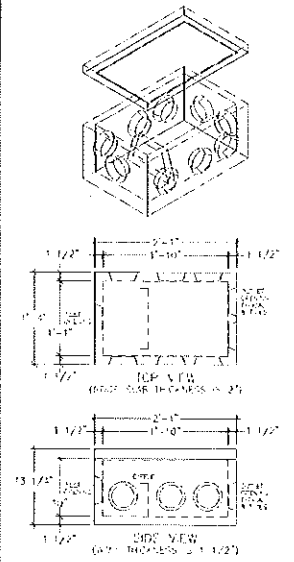
PROPOSED RETAIL DEVELOPMENT
KILLINGWORTH ROAD
HADDAM, CONNECTICUT

REVISIONS	Disc.	No.	Date	Designed	I.A.H.
				Drawn	C.D.C.
				Reviewed	
				Scale	1"=20'
				Project No.	2200418
				Date	09/21/2022
				CAD File:	SU220041801

DIFFUSER BOX

DIFFUSER BOX SHALL BE CAST IN PLACE CONCRETE TO LATEST ASTM SPECIFICATION 3183.

- NOTES:
1. SEE PLAN AND OUTLET END VIEWS FOR FLOORING TYPE SEALS.
 2. CONCRETE COMPRESSION STRENGTH - 4000 PSI AT 28 DAYS.
 3. METHOD OF MANUFACTURE: PRECAST.
 4. SEPTIC SYSTEM SHALL BE MANHOLE COVER.
 5. AASHTO H-20 LOAD RATED.



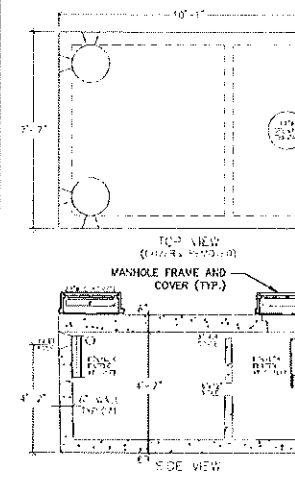
UNITED CONCRETE PRODUCTS INC.
113 E. 10th STREET
HARTFORD, CT 06103
TEL: (860) 234-1819 FAX: (860) 234-1311
(860) 234-1418

CONCRETE DISTRIBUTION BOX

1500 GALLON HS-20 SEPTIC TANK

TANK SHALL BE CONSTRUCTED TO LATEST ASTM SPECIFICATION 3183.

- NOTES:
1. TANK SHALL BE CAST IN PLACE CONCRETE TO LATEST ASTM SPECIFICATION 3183.
 2. TANK SHALL BE CAST IN PLACE CONCRETE TO LATEST ASTM SPECIFICATION 3183.
 3. TANK SHALL BE CAST IN PLACE CONCRETE TO LATEST ASTM SPECIFICATION 3183.
 4. TANK SHALL BE CAST IN PLACE CONCRETE TO LATEST ASTM SPECIFICATION 3183.
 5. TANK SHALL BE CAST IN PLACE CONCRETE TO LATEST ASTM SPECIFICATION 3183.
 6. TANK SHALL BE CAST IN PLACE CONCRETE TO LATEST ASTM SPECIFICATION 3183.
 7. TANK SHALL BE CAST IN PLACE CONCRETE TO LATEST ASTM SPECIFICATION 3183.

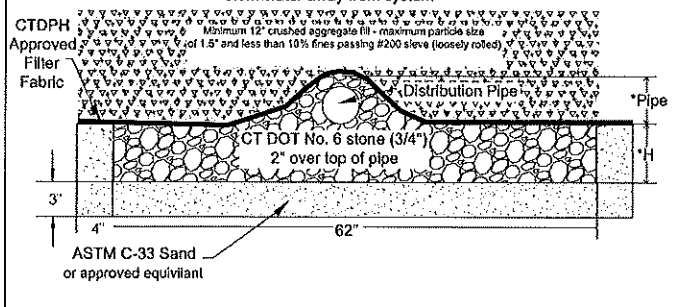


UNITED CONCRETE PRODUCTS INC.
113 E. 10th STREET
HARTFORD, CT 06103
TEL: (860) 234-1819 FAX: (860) 234-1311
(860) 234-1418

1,500 GALLON SEPTIC TANK

GEOMATRIX GST™ LEACHING SYSTEM H-20

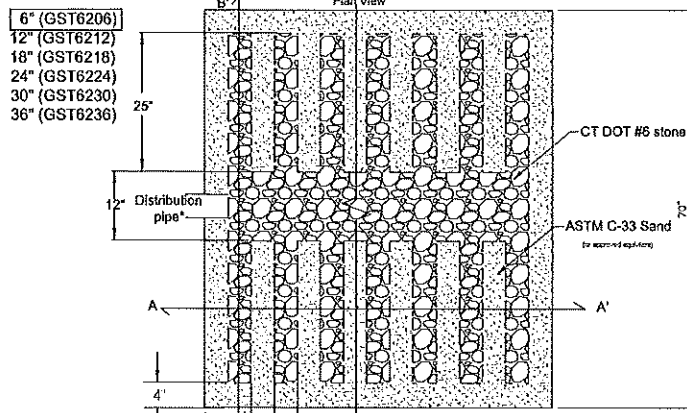
Finished Grade shall be pitched to sheet flow stormwater away from system



*H= 6" (GST6206) Distribution Pipe: 4" PVC SCH40
12" (GST6212) SDR 35 or Sched. 40, ASTM D-1785 PVC pipe for gravity applications
18" (GST6218) SDR 35 or Sched. 40, ASTM D-1785 PVC pipe for gravity applications
24" (GST6224) Sched. 40, ASTM D-1785 PVC pipe for pressure applications
30" (GST6230)
36" (GST6236)

GEOMATRIX GST6206 LEACHING SYSTEM SECTION

GEOMATRIX GST™ LEACHING SYSTEM



*4" I.D., ASTM D-3034, SDR 35 pipe for gravity applications
0.75" min. I.D., ASTM D-2685, SCH 40 PVC pipe for pressure applications

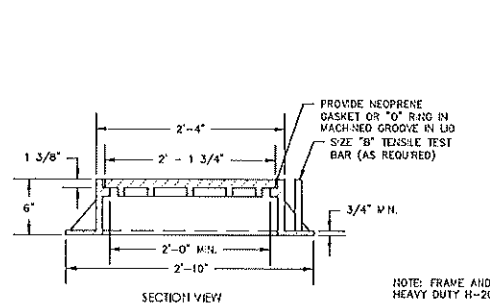
GEOMATRIX GST6206 LEACHING SYSTEM TYPICAL LAYOUT

N.T.S.

N.T.S.

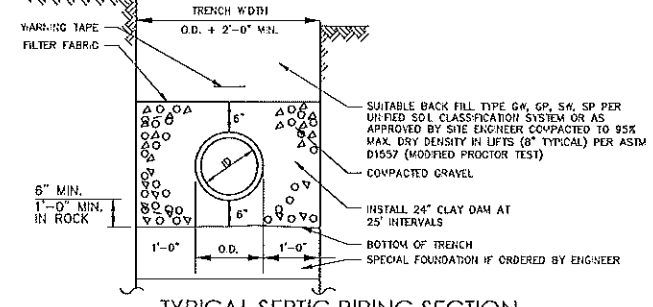
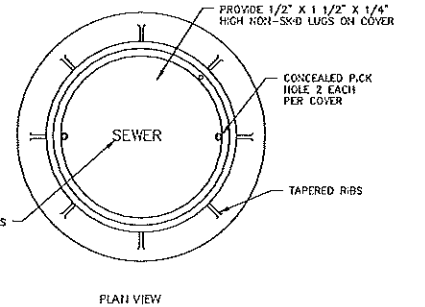
N.T.S.

N.T.S.



NOTE: FRAME AND COVER TO BE HEAVY DUTY H-20 LOAD RATED

SEPTIC SYSTEM MANHOLE FRAME AND COVER



N.T.S.

1. The select fill shall not contain any material larger than the three (3) inch sieve.
2. Up to 4% of the dry weight of the representative sample may be retained on the #4 sieve. Note: This is the gravel portion of the sample.
3. The material that passes the #4 sieve is then reweighed and the sieve analysis started.
4. The remaining sample shall meet the following gradation criteria:

SIEVE SIZE	PERCENT PASSING	
	WET SIEVE	DRY SIEVE
#4	100	100
#10	70-100	70-100
#20	10-50	10-75
#40	0-20	0-25
#60	0-5	0-10

* Percent passing the #10 sieve may be lowered to 10% greater than 70% if the percent passing the #100 sieve does not exceed 10% and the #200 sieve does not exceed 5%.

Select fill that does not meet the dry sieve gradation criteria listed in the wet sieve gradation criteria is acceptable. Sieve testing of select fill is required for large (1,000 GPD or greater) systems where the leaching system is located in a select fill. The test device of 100 mesh may require sieve testing of select fill on less than 2,000 GPD or greater systems in accordance with Section 12.13.13.11 (4)(f). The licensed installer is responsible for preparing the leaching area with necessary select fill. The expert in the leaching system area must be consulted and the select fill installed prior to select fill placement and collection directed by the design engineer. The installer shall take the necessary steps to protect the underlying naturally occurring soil from over compaction or damage. The installer is responsible for properly compacting select fill to facilitate construction and to prevent settling. Select fill shall extend a minimum of five (5) feet laterally in all directions beyond the outer perimeter of the leaching system.

SELECT FILL

CONSTRUCTION NOTES

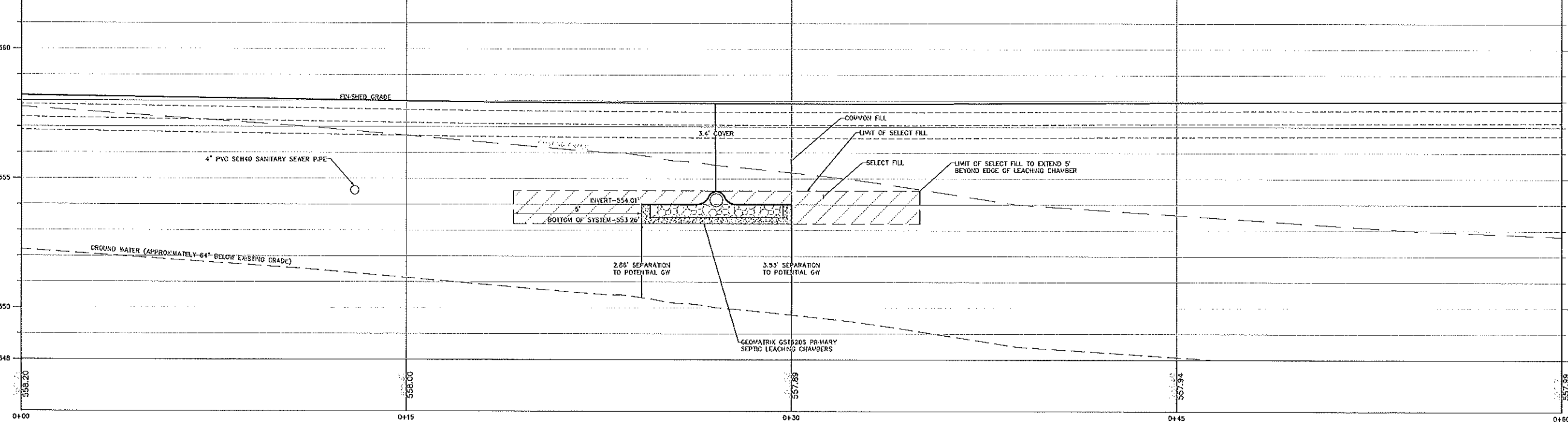
1. INSTALLATION OF THE SYSTEM MUST BE SUPERVISED BY ENGINEER. ENGINEER SHALL INSPECT TANK EXCAVATION, PLACEMENT OF TANKS AND VERIFY ALL INVERTS OF THE TANK PRIOR TO BACKFILL.
2. DURING TANK INSTALLATION, RELOCATE ANY EXPOSED UTILITIES TO MORE THAN 5 FEET FROM THE TANK AS PER TABLE 1 IN THE CT PUBLIC HEALTH CODE.
3. NO FOOTING DRAINS WILL BE INSTALLED WITHIN 25' OF THE PROPOSED SUBSURFACE SEWAGE DISPOSAL SYSTEM.
4. SUBSURFACE SEWAGE DISPOSAL SYSTEM TO BE INSTALLED LEVEL, WITH NO CHANGE IN ELEVATION OR SLOPE ACROSS THE DISPOSAL FIELD.

TANK MAINTENANCE SCHEDULE

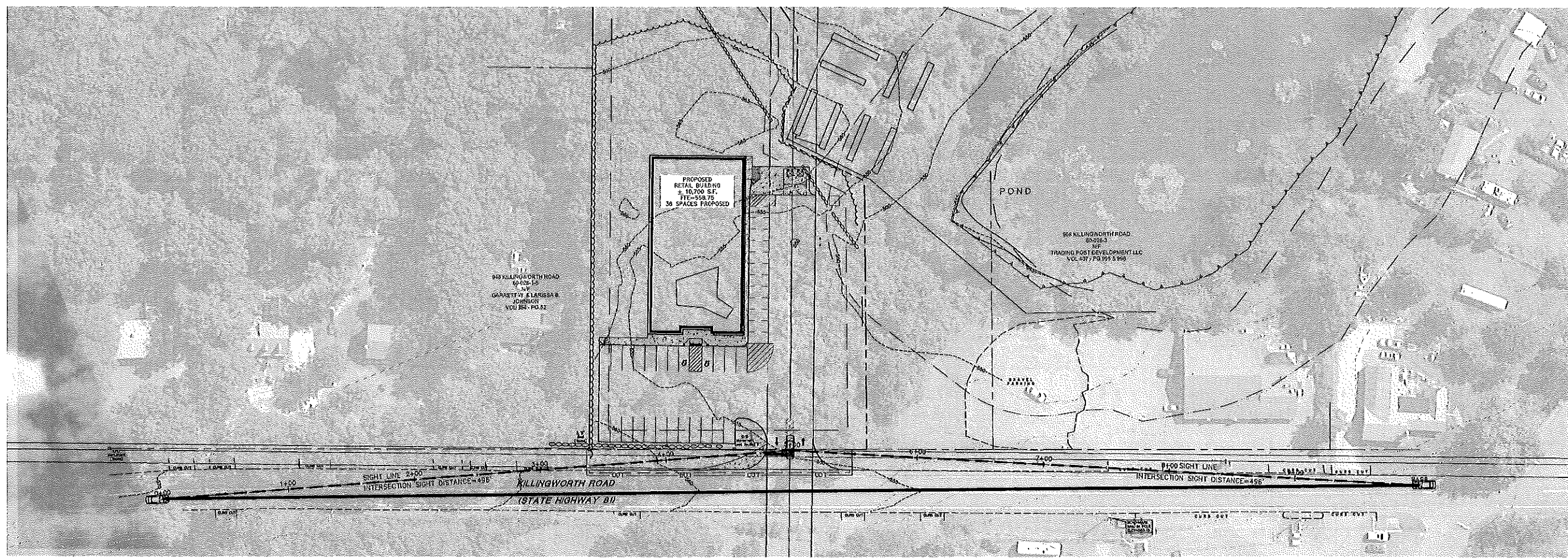
1. FOLLOWING INSTALLATION THE SEPTIC TANK SHALL BE PUMPED OUT QUARTERLY TO START. THE THICKNESS OF ACCUMULATED FLOATABLES AND SOLIDS SHALL BE DETERMINED AND RECORDED AT PUMP OUT. FOLLOWING THE FIRST YEAR THE ENGINEER SHALL REVIEW THE ACCUMULATION AND REVISE THE MAINTENANCE SCHEDULE.

N.T.S.

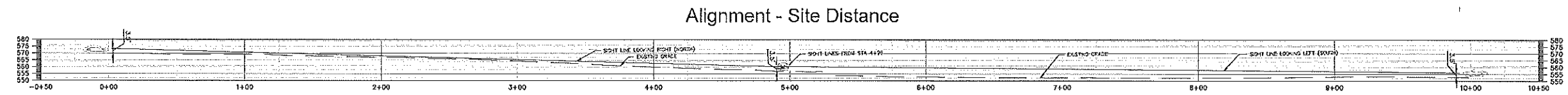
N.T.S.



V: 1"=2' H: 1"=2'



INTERSECTION SIGHT DISTANCE PLAN (1"=40')



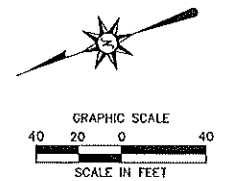
INTERSECTION SIGHT LINE PROFILE (1"=40')

NOT FOR CONSTRUCTION
FOR PERMITTING PURPOSES
ONLY

REFER TO SHEET GN-1 FOR
SITE WORK GENERAL NOTES

NOTES









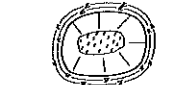



- THE REQUIRED INTERSECTION SIGHT DISTANCE (ISD) WAS CALCULATED AS DESCRIBED IN 6TH EDITION OF THE AASHTO PUBLICATION "A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS" EQUATION 9-1. ISD LENGTH WAS CALCULATED AS FOLLOWS:
 $ISD = 1.47 V_{85}^2 T_0$
 $V_{85} = 45 \text{ MPH (DESIGN SPEED)}$
 $T_0 = 7.5 \text{ SEC (PASSENGER CAR LEFT TURN FROM STOP TIME GAP)}$
 $ISD = 1.47 * 45^2 * 7.5 = 496.125 \text{ FT (496 FEET USED)}$



REVISIONS	No.	Date	Desc.
Designed			T.A.K.
Drawn			C.D.D.
Reviewed			
Scale			1"=40'
Project No.			2200418
Date			09/21/2022
CAD file:			SD220041801
Title			INTERSECTION SIGHT DISTANCE PLAN
Sheet No.			SD-1

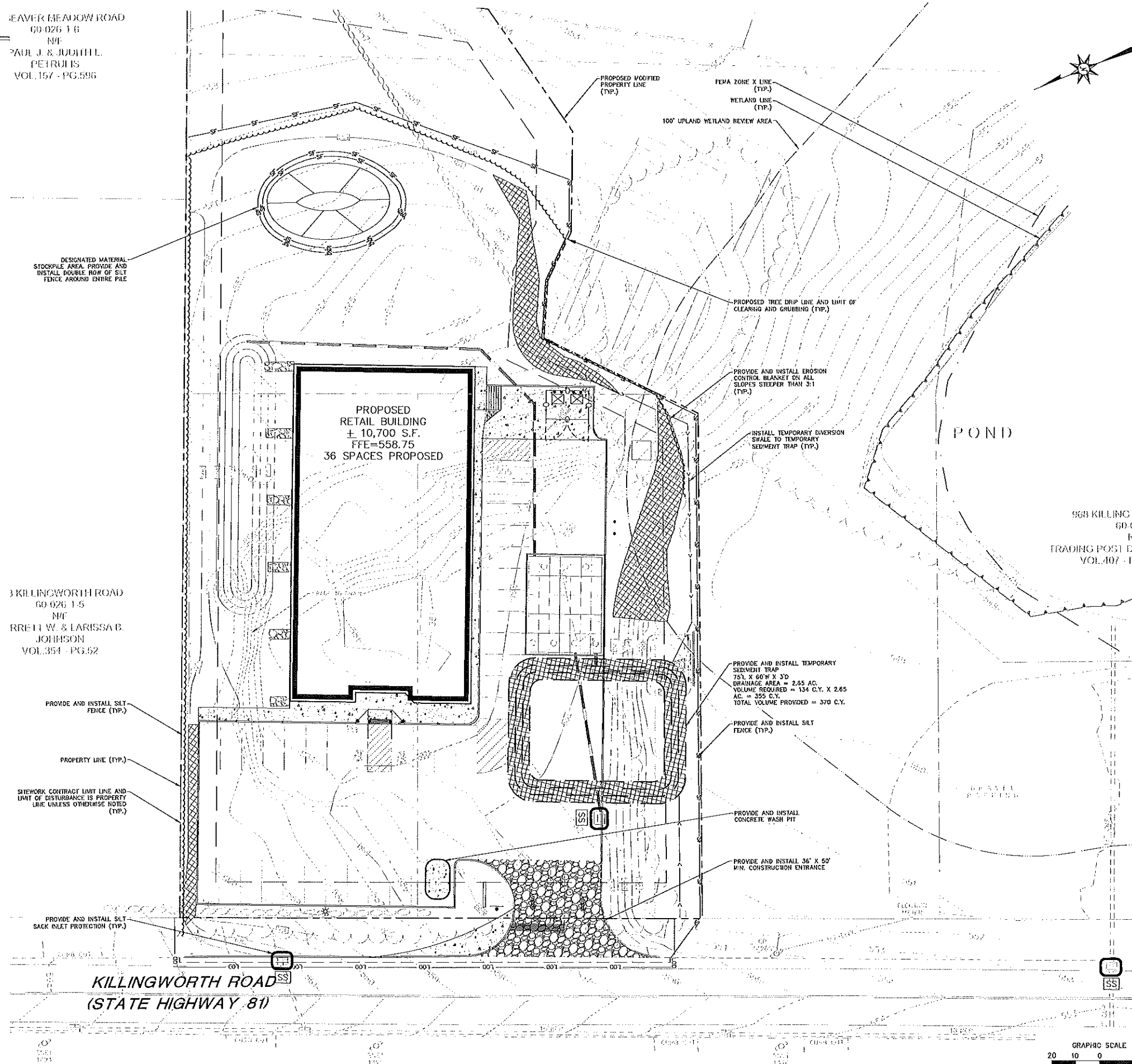
PROJECT: 2200418, SHEET: SD-1, DATE: 09/21/2022, SCALE: 1"=40', DRAWN BY: C.D.D., CHECKED BY: T.A.K., PROJECT LOCATION: HADDAM, CT, PROJECT DESCRIPTION: PROPOSED RETAIL DEVELOPMENT, KILLINGWORTH ROAD, HADDAM, CT.

EROSION CONTROL LEGEND

-  PROPERTY LINE
-  LIMIT OF DISTURBANCE AND SITEWORK CONTRACT LIMIT LINE
-  SAWCUT LINE
-  LIMIT OF TREE AND VEGETATION CLEARING
-  TEMPORARY DIVERSION SWALE
-  CHECK DAM
-  SILT FENCE BARRIER
-  SILT SACK INLET PROTECTION
-  TEMPORARY MATERIAL STOCKPILE
-  EROSION CONTROL BLANKET
-  CONSTRUCTION ANTI-TRACKING ENTRANCE
-  CONCRETE WASH PIT

LEAVER MEADOW ROAD
 60-026 1-6
 N/A
 PAUL J. & JUDITH L.
 PETRUCCI
 VOL. 157 - PG. 596

3 KILLINGWORTH ROAD
 60-026 1-5
 N/A
 BRITT W. & LARISSA B.
 JOHNSON
 VOL. 354 - PG. 52



PROVIDE AND INSTALL SILT FENCE (TYP.)

PROPERTY LINE (TYP.)

SITEWORK CONTRACT LIMIT LINE AND LIMIT OF DISTURBANCE IS PROPERTY LINE UNLESS OTHERWISE NOTED (TYP.)

PROVIDE AND INSTALL SILT SACK INLET PROTECTION (TYP.)

KILLINGWORTH ROAD
 (STATE HIGHWAY 81)

PROPOSED MODIFIED PROPERTY LINE (TYP.)

FEMA ZONE X LINE (TYP.)

WETLAND LINE (TYP.)

100' UPLAND WETLAND REVIEW AREA

PROPOSED TREE DRIP LINE AND LIMIT OF CLEARING AND GRUBBING (TYP.)

PROVIDE AND INSTALL EROSION CONTROL BLANKET ON ALL SLOPES STEEPER THAN 3:1 (TYP.)

INSTALL TEMPORARY DIVERSION SWALE TO TEMPORARY SEDIMENT TRAP (TYP.)

PROVIDE AND INSTALL TEMPORARY SEDIMENT TRAP
 75' L X 60' W X 3' D
 DRAINAGE AREA = 2.65 AC.
 VOLUME REQUIRED = 134 C.Y. X 2.65 AC. = 355 C.Y.
 TOTAL VOLUME PROVIDED = 370 C.Y.

PROVIDE AND INSTALL SILT FENCE (TYP.)

PROVIDE AND INSTALL CONCRETE WASH PIT

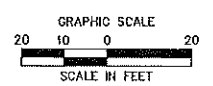
PROVIDE AND INSTALL 36' X 50' W/V. CONSTRUCTION ENTRANCE

POND

96B KILLINGWORTH ROAD
 60-026 1-5
 N/A
 TRADING POST D
 VOL. 407 - P

NOT FOR CONSTRUCTION
 FOR PERMITTING PURPOSES
 ONLY

REFER TO SHEET GN-1 FOR
 SITE WORK GENERAL NOTES



Architecture
 Engineering
 Environmental
 Land Surveying
BL
 Companies

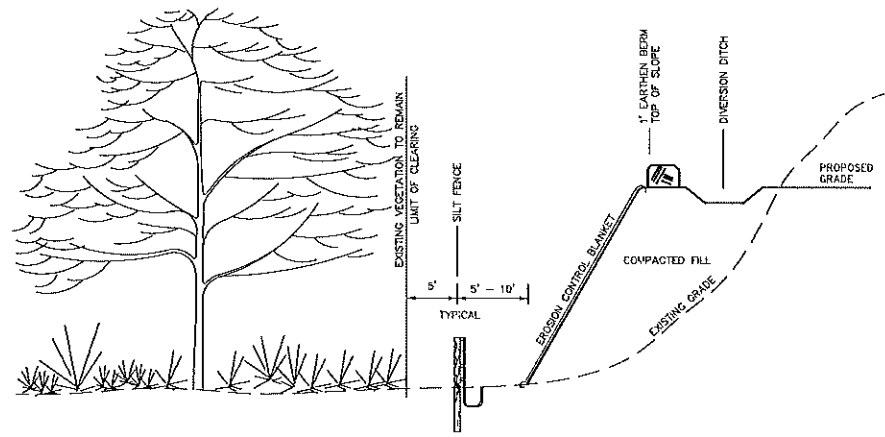
355 Research Parkway
 Meriden, CT 06450
 (203) 636-1600
 (203) 636-2615 Fax

PROPOSED RETAIL DEVELOPMENT
 KILLINGWORTH ROAD
 HADDAM, CONNECTICUT

REVISED	Drawn	1.A.H.
No.	Date	C.D.C.
Designed		
Drawn		
Reviewed		
Scale	1"=20'	
Project No.	2200418	
Date	07/17/2022	
CAD File:	EC2200418.dwg	

**SEDIMENT AND
 EROSION
 CONTROL PLAN**

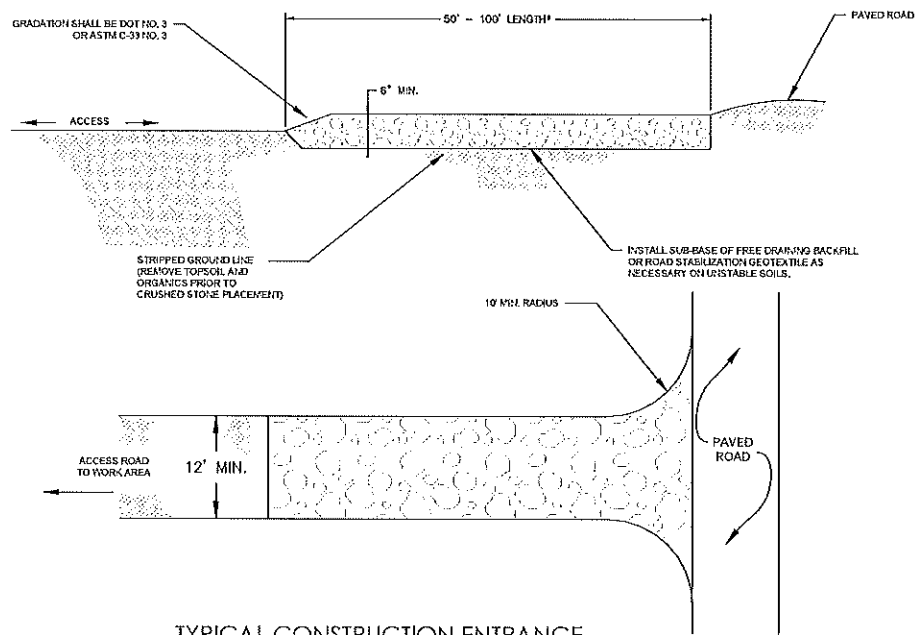
Sheet No.
EC-1



TYPICAL EROSION CONTROL ON SLOPES

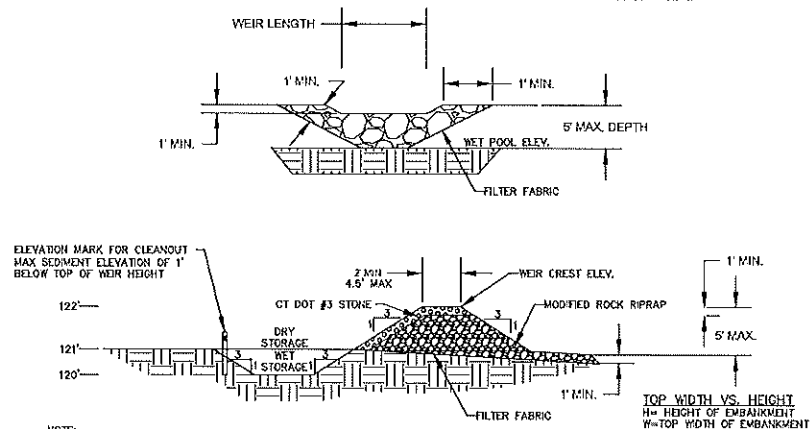
N.T.S. BLEC-011

*WHERE SEDIMENTS CONTAIN LESS THAN 60% SAND, A 100 FT MINIMUM IS REQUIRED.



TYPICAL CONSTRUCTION ENTRANCE

N.T.S. CT DEEP CE-2

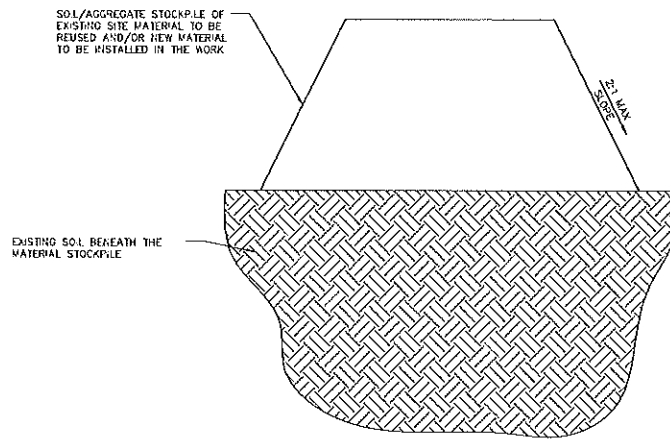


TEMPORARY SEDIMENT TRAP

N.T.S. BLEC-002

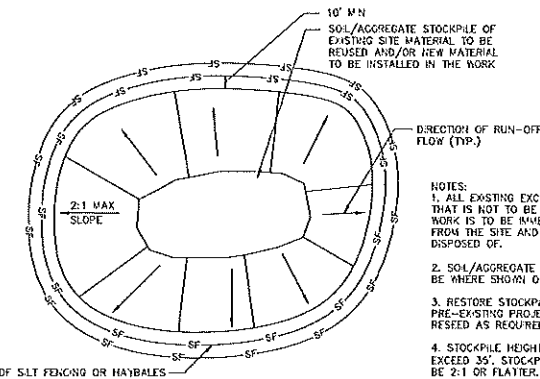
- NOTE:
- ALL DETAIL INFORMATION SHOULD BE USED AS A GUIDELINE. ALL TEMPORARY SEDIMENT TRAPS MUST CONFORM TO THE CT DEEP 2002 GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL MANUAL.
 - THE VOLUME OF THE WET STORAGE SHALL BE AT LEAST TWICE THE VOLUME OF THE SEDIMENT STORAGE VOLUME AND SHALL BE DESIGNED TO A MINIMUM DEPTH OF 2 FEET, PER CT DEEP 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL MANUAL.

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

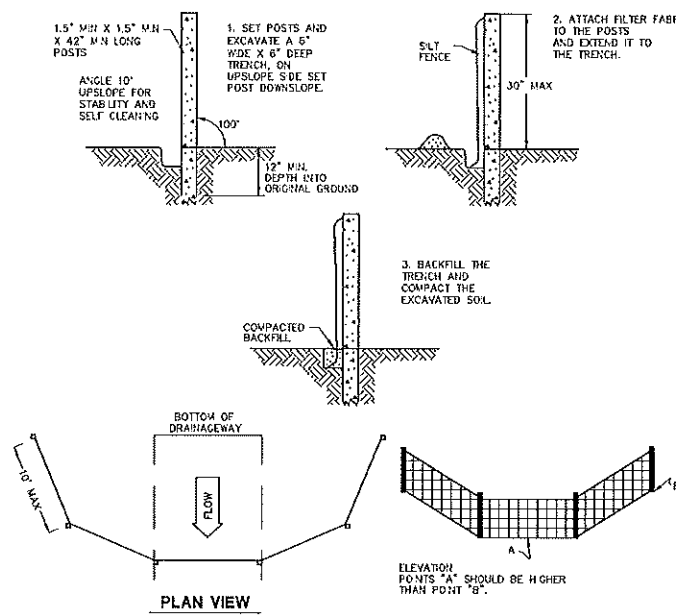


MATERIALS STOCKPILE DETAIL

N.T.S. BLEC-006

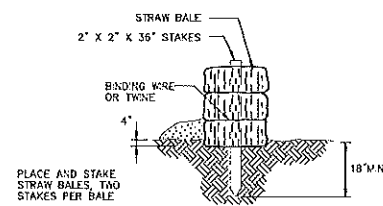


- NOTES:
- ALL EXISTING EXCAVATED MATERIAL THAT IS NOT TO BE REUSED IN THE WORK IS TO BE IMMEDIATELY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF.
 - SOIL/AGGREGATE STOCKPILE SITES TO BE WHERE SHOWN ON THE DRAWINGS.
 - RESTORE STOCKPILE SITES TO PRE-EXISTING PROJECT CONDITION AND RESEED AS REQUIRED.
 - STOCKPILE HEIGHTS MUST NOT EXCEED 35'. STOCKPILE SLOPES MUST BE 2:1 OR FLATTER.



SILT FENCE BARRIER

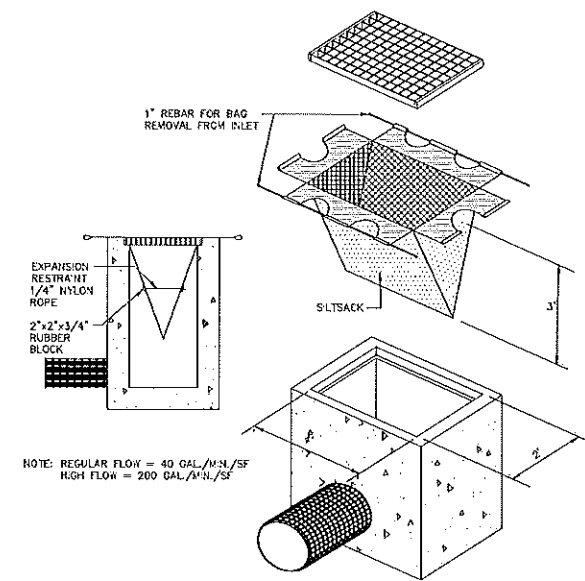
N.T.S. CTEC-003



STRAW BALE DETAIL

N.T.S. BLEC-007

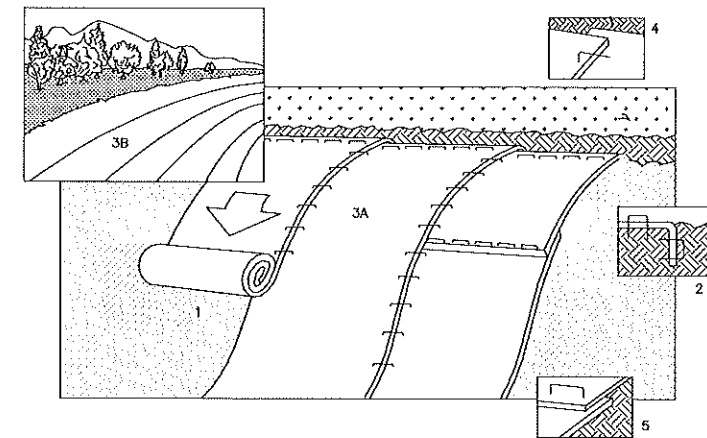
- STRAW BALE BARRIERS SHOULD NOT BE USED FOR MORE THAN 3 MONTHS.
- SEDIMENT MUST BE REMOVED WHEN ACCUMULATIONS REACH 1/3 THE ABOVE GROUND HEIGHT OF THE BARRIER.
- ANY SECTION OF STRAW BALE BARRIER WHICH HAS BEEN UNDERMINED OR TOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER OUTLET.



SILTSACK DETAIL

N.T.S. BLEC-005

- NOTE: REGULAR FLOW = 40 GAL./M.N./SF
HIGH FLOW = 200 GAL./M.N./SF



- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER AND SEED.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP X 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
- WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

SLOPE STABILIZATION DETAIL

N.T.S. BLEC-010

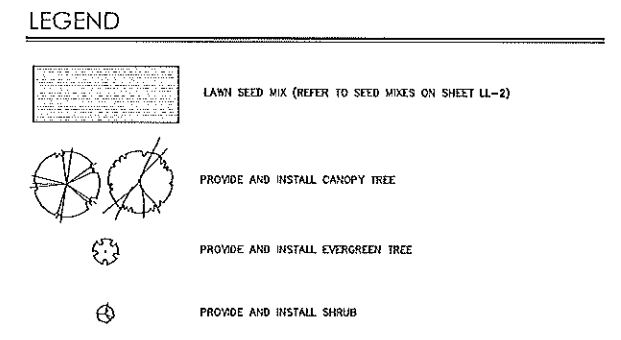
REV. NO.	DATE	DESCRIPTION

Designed: T.A.H.
Drawn: C.D.C.
Scale: N.C.H.E.
Project No: 2200418
Date: 09/21/2022
CAD File: EC220041801

LANDSCAPE PLANT SCHEDULE						
TREES						
KEY	QTY	BOTANICAL NAME	COMMON NAME	ROOT	SIZE	COMMENTS
AR	2	ACER RUBRUM 'FRANKSRED'	RED SUNSET MAPLE	B&B	2"-2.5" CAL.	MIN. 6' BRANCH HT.
GI	2	GLEDITSIA TRIACANTHOS VAR. INERMIS 'SHADEMASTER'	SHADEMASTER HONEYLOCUST	B&B	2"-2.5" CAL.	MIN. 6' BRANCH HT.
NS	2	NYSSA SYLVATICA	BLACK GUM	B&B	2"-2.5" CAL.	MIN. 6' BRANCH HT.
TC	2	TILIA CORDATA 'GREENSPURE'	GREENSPURE LITTLE-LEAF LINDEN	B&B	2"-2.5" CAL.	MIN. 6' BRANCH HT.
TO	36	TRUJA OCCIDENTALIS 'TECHNY'	TECHNY ARBORVITAE	B&B	6"-7" HT.	PLANT 6" O.C.
SHRUBS & GRASSES						
IG	12	ILEX GLABRA 'COMPACTA'	COMPACT HICKBERRY	CONT.	24"-36" HT.	PLANT 4" O.C.
FA	6	PENYSETUM ALOPECUROIDES	FOUNTAIN GRASS	CONT.	24"-36" HT.	PLANT 4" O.C.

NOTES:
 1) ALL SUBSTITUTIONS MUST RECEIVE APPROVAL FROM THE LANDSCAPE ARCHITECT PRIOR TO DELIVERY TO SITE.
 2) PROVIDE AND INSTALL ALL PLANTS SHOWN ON THE PLANTING PLAN DRAWINGS. THE QUANTITIES IN THE PLANT LIST ARE PROVIDED FOR THE CONTRACTOR'S CONVENIENCE ONLY. IF DISCREPANCIES OCCUR, THE LARGER QUANTITY SHALL APPLY.
 3) IF THERE IS A DISCREPANCY BETWEEN BOTANICAL AND COMMON NAME, BOTANICAL NAME PREVAILS.

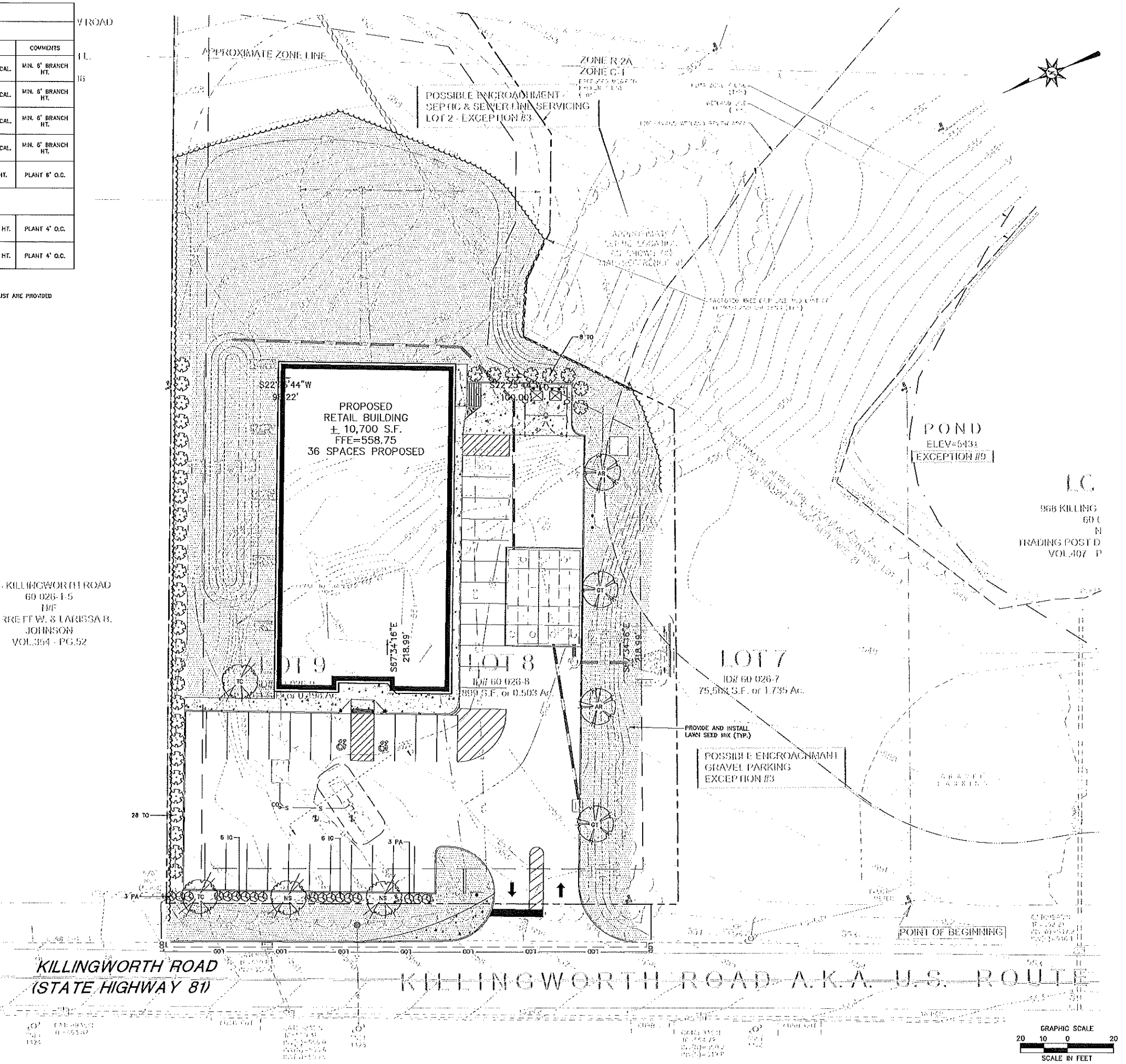
ZONING INFORMATION				
LOCATION: HADDAM, CT				
ZONE: C1 (COMMERCIAL)				
USE: RETAIL (PERMITTED USE VIA SITE PLAN APPROVAL)				
ITEM #	ITEM	REQUIREMENTS	PROPOSED	VARIANCE
1	PARKING AREA LANDSCAPING	ANY PARKING AREA ACCOMMODATING 20 OR MORE CARS SHALL: 1) BE PROVIDED WITH INTERIOR LANDSCAPING WITHIN THE PAVED PORTION OF THE PARKING AREA. 2) HAVE A LANDSCAPED AREA ALONG ITS PERIMETER EXCEPT WHERE THE PARKING AREA IS FUNCTIONALLY INTEGRATED WITH AN ADJOINING PARKING AREA ON AN IMMEDIATELY ADJACENT LOT.	COMPLIES	NO
2	PARKING AREA LANDSCAPED INTERIOR SIZE	LANDSCAPED AREAS WITHIN THE INTERIOR OF THE PARKING AREA SHALL HAVE A MIN. SIZE OF 100 SF AND A MIN. DIMENSION OF AT LEAST EIGHT (8) FT.	COMPLIES	NO
3	INTERIOR LANDSCAPED AREA PLANTINGS	INTERIOR LANDSCAPED AREAS SHALL BE PLANTED WITH GRASS OR SHRUBS AND WITH AT LEAST ONE (1) TREE FOR EACH 20 CARS OR FRACTION THEREOF.	36 SPACES 2 TREES	NO
4	PARKING LOT PERIMETER LANDSCAPING	THE PERIMETER LANDSCAPED AREA SHALL HAVE A MINIMUM DIMENSION OF FIVE (5) FEET AND SHALL BE PLANTED WITH GRASS OR SHRUBS AND WITH AT LEAST ONE (1) TREE FOR EVERY 50 FT ALONG SUCH PERIMETER.	MIN. 7 FT WIDTH TREES AT 50 FT SPACING	NO
5	TREES	TREES SHALL BE OF NOT LESS THAN THREE (3) INCHES CALIPER AND 10 FEET IN HEIGHT WHEN PLANTED.	COMPLIES	NO
6	LOT FRONTAGE LANDSCAPING	A STRIP OF LAND ON THE LOT ALONG AND ADJACENT TO THE STREET LINE AND NOT LESS THAN 20 FEET IN WIDTH IN COMMERCIAL C-1 SHALL BE LANDSCAPED WITH LAWN, 14 - 21 SHRUBS AND/OR OTHER GROWING GROUND COVER AND PROVIDED WITH ONE (1) DECIDUOUS TREE NOT LESS THAN THREE (3) INCHES CALIPER AND SIX (6) FEET IN HEIGHT FOR EACH 40 FEET OF LOT FRONTAGE OR FRACTION THEREOF.	MIN. 20 FT WIDTH TREES AT 40 FT SPACING 18 SHRUBS	NO
7	BUFFERING	WHERE ANY LOT OR PART THEREOF ABUTS A LOT DEVOTED TO RESIDENTIAL USE WITHOUT SEPARATION BY A STREET, THE COMMERCIAL MAY REQUIRE A BUFFER STRIP AS DEEMED NECESSARY.	EVERGREEN PLANTINGS PROPOSED ALONG NORTH LOT LINE.	NO



SEE SHEET LL-2 FOR LANDSCAPE NOTES AND DETAILS

NOT FOR CONSTRUCTION FOR PERMITTING PURPOSES ONLY

REFER TO SHEET GN-1 FOR SITE WORK GENERAL NOTES



355 Research Parkway
 Meriden, CT 06450
 (203) 651-1400
 (203) 650-2615 Fax

PROPOSED RETAIL DEVELOPMENT
 KILLINGWORTH ROAD
 HADDAM, CONNECTICUT

REVISING	DESIGNED	DATE	NO.

Des. _____
 Drawn _____
 Reviewed _____
 Scale 1"=20'
 Project No. 2202418
 Date 07/21/2022
 CAD No. LL20041801
 1"=20'
LANDSCAPE PLAN
 Sheet No. **LL-1**

LANDSCAPE NOTES

- THE LANDSCAPE PLAN AND DETAIL SHEET ARE FOR LANDSCAPING INFORMATION ONLY. REFER TO THE SITE PLAN, GRADING AND DRAINAGE PLAN, SITE UTILITIES PLAN, LIGHTING PLAN AND DEMOLITION PLAN FOR ALL OTHER INFORMATION.
- COORDINATE PLANT MATERIAL LOCATIONS WITH SITE UTILITIES. UTILITY LOCATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE. EXERCISE CARE WHEN DIGGING IN AREAS OF POTENTIAL CONFLICT WITH UNDERGROUND OR OVERHEAD UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE DUE TO CONTRACTOR'S NEGLIGENCE AND SHALL REPLACE OR REPAIR ANY DAMAGE AT CONTRACTOR'S EXPENSE.
- THE LOCATIONS FOR PLANT MATERIAL ARE APPROXIMATE AND ARE SUBJECT TO FIELD ADJUSTMENT DUE TO UTILITY LOCATIONS AND SITE CONDITIONS. THE CONTRACTOR SHALL ACCURATELY STAKE OUT THE LOCATIONS FOR ALL PLANTS FOR THE REVIEW, ADJUSTMENT, AND APPROVAL BY OWNER OR LANDSCAPE ARCHITECT PRIOR TO PLANTING.
- THE CONTRACTOR SHALL GUARANTEE THAT ALL PLANTS SHALL BE HEALTHY AND FREE OF DISEASE FOR A PERIOD OF ONE YEAR OR, AT THE OPTION OF THE CONTRACTOR, TWO YEARS. AFTER SUBSTANTIAL COMPLETION AND ACCEPTANCE BY OWNER OR LANDSCAPE ARCHITECT, CONTRACTOR SHALL REPLACE ANY DEAD OR UNHEALTHY PLANTS AT CONTRACTOR'S EXPENSE. PLANT MATERIAL REPLACEMENTS SHALL BE GUARANTEED FOR ONE FULL YEAR FROM DATE OF REPLACEMENT. REPLACEMENT PLANTS SHALL BE THE SAME AS SPECIFIED FOR THE ORIGINAL PLANTING. REPLACEMENTS SHALL BE MADE AS MANY TIMES AS NECESSARY TO ENSURE HEALTHY PLANTS. FINAL ACCEPTANCE SHALL BE MADE IF ALL PLANTS MEET THE GUARANTEE REQUIREMENTS INCLUDING MAINTENANCE, MAINTENANCE RESPONSIBILITIES INCLUDE CULTIVATING, SPRAYING, WEEDING, WATERING, TIGHTENING GUYS, PRUNING, FERTILIZING, MULCHING, AND ANY OTHER OPERATIONS NECESSARY TO MAINTAIN PLANT VIABILITY. MAINTENANCE SHALL BEGIN IMMEDIATELY AFTER PLANTING AND CONTINUE UNTIL THE END OF THE GUARANTEE PERIOD. DURING THE LANDSCAPE MAINTENANCE PERIOD (GUARANTEE) THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE OWNER IN WRITING OF ANY SITE CONSTRAINTS (PHYSICAL, ENVIRONMENTAL, ETC.) OR MAINTENANCE DEFICIENCIES THAT MAY AFFECT LANDSCAPE VEGETATION ESTABLISHMENT.
- THE CONTRACTOR SHALL SUPPLY ALL LABOR, PLANTS, AND MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE WORK SHOWN ON THE DRAWINGS AND LISTED IN THE PLANT SCHEDULE. IN THE EVENT OF A DISCREPANCY BETWEEN QUANTITIES SHOWN IN THE PLANT SCHEDULE AND THOSE REQUIRED BY THE DRAWINGS, THE LARGER SHALL APPLY. ALL PLANTS SHALL BE ACCLIMATED BY THE SUPPLY NURSERY TO THE LOCAL HARDINESS ZONE AND BE CERTIFIED THAT THE PLANTING MATERIAL HAS BEEN GROWN FOR A MINIMUM OF TWO YEARS AT THE SOURCE AND OBTAINED WITHIN 200 MILES OF PROJECT SITE UNLESS OTHERWISE APPROVED BY OWNER OR LANDSCAPE ARCHITECT.
- PLANTS SHALL HAVE TAGS THAT IDENTIFY PLANT GENUS, SPECIES, CULTIVAR (IF APPLICABLE), PLANT COMMON NAME, NAME OF SOURCE NURSERY, AND SIZE OF PLANT FOR REVIEW OF OWNER OR LANDSCAPE ARCHITECT.
- NO PLANT SHALL BE PLACED IN THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED AND APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT. STAKING THE LOCATION OF ALL TREES AND SHRUBS SHALL BE COMPLETED PRIOR TO PLANTING FOR APPROVAL BY THE OWNER OR LANDSCAPE ARCHITECT.
- FINAL GRADES SHALL BLEND SMOOTHLY WITH EXISTING GRADES, AND TOP AND BOTTOM OF SLOPES SHALL BE ROUNDED.
- ALL TREE AND SHRUB MASSINGS SHALL BE MULCHED TO A DEPTH OF 3". ANNUAL AND PERENNIAL BEDS SHALL BE MULCHED TO A DEPTH OF 2". MULCH SHALL BE UNCOLORED TRIPLE-SHREDED HARDWOOD BARK MULCH, AGED AT LEAST 6 MONTHS.
- IF TREE STAKING IS PROPOSED, TREE STAKING MUST BE COMPLETED THE SAME DAY AS THE TREE IS INSTALLED. ALL TREES SHALL BE STAKED OR GUYED PER DETAIL.
- LANDSCAPE PLANTING AREAS MUST BE FREE DRAINING, PAVEMENT, COMPACTED SUBGRADE, DEAD OR DYING PLANT MATERIAL, BLASTED ROCK, STONES GREATER THAN 1" IN DIAMETER, AND ANY OTHER MATERIAL HARMFUL TO PLANT GROWTH AND DEVELOPMENT SHALL BE REMOVED FROM AREAS TO BE LANDSCAPED AS REQUIRED BY PLANTING DETAILS OR SPECIFICATIONS.
- PLANTING SOIL:

DEPTH: PLANTING SOIL SHALL BE INSTALLED AT A MINIMUM DEPTH OF 4" OR AS NOTED IN THE LANDSCAPE DETAILS. PLANTING SOIL SHALL BE UTILIZED IN ALL PLANTING AREAS INCLUDING SEEDING AREAS.

TESTING: CONTRACTOR SHALL SUBMIT (2) SOIL SAMPLES PER SOIL STOCKPILE TO A CERTIFIED TESTING LABORATORY TO DETERMINE ACIDITY, ORGANIC CONTENT, MECHANICAL ANALYSIS, AVAILABLE NUTRIENTS (N,P,K,Ca,Mg,S,Pb,Mn,Zn,Cu,B,Al,Fe) AND NECESSARY AMENDMENTS TO SOIL. THE CONTRACTOR SHALL SUBMIT THE TEST RESULTS TO THE OWNER OR LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL. TEST RESULTS SHALL RECOMMEND AMENDMENTS THAT WILL ALTER THE SOIL CHARACTERISTICS SUCH THAT THE CHARACTERISTICS DESCRIBED BELOW ARE ACHIEVED AND THE SPECIFIED PLANTS (CONTRACTOR TO PROVIDE LIST TO TESTING LABORATORY) WILL ACHIEVE PROPER GROWTH THAT IS NEITHER DEFICIENT NOR EXCESSIVE. THE CONTRACTOR SHALL INCORPORATE THESE AMENDMENTS AT NO INCREASE IN CONTRACT PRICE.

CHARACTERISTICS: PLANTING SOIL MAY CONSIST OF EXISTING ON-SITE SOILS, AMENDED ON-SITE SOILS, OR IMPORTED SOILS MEETING THE FOLLOWING CRITERIA:

 - NOT TO CONTAIN MATERIALS HARMFUL TO PLANT LIFE, TO BE CLEAN, FERTILE, FRIABLE, AND WELL DRAINING. ALL PLANTING SOIL SHALL BE FREE OF ANY SUBSOIL EARTH CLODS, STONES OVER 1" IN ANY DIMENSION, STICKS, ROOTS, WEEDS, LITTER AND OTHER DELETERIOUS MATERIAL. PLANTING SOIL SHALL BE UNIFORM IN QUALITY AND TEXTURE.
 - PLANTING SOIL SHALL HAVE THE FOLLOWING OPTIMUM RANGES UNLESS OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT.

ORGANIC CONTENT	3% - 6% FOR LAWN OR GRASS AREAS. 4% - 8% FOR TREE AND SHRUB PLANTERS. 15% - 18% FOR RETENTION OR DETENTION BASINS. (BY LOSS OF IGNITION AT 375°C METHOD OF TESTING)
pH	6.0 - 7.3
 - NUTRIENT LEVELS SHALL BE ACHIEVED BY THE CONTRACTOR'S ADDITION OF AMENDMENTS TO THE PLANTING SOIL TO MEET THE OPTIMUM NUTRIENT LEVELS SPECIFIED BY THE TESTING LABORATORY REPORT FOR EACH OF PLANTS TO BE INSTALLED.
 - SOIL SHALL BE COMPACTED TO A SURFACE PENETRATION RESISTANCE OF 75-125 LBS/SQ. IN.
 - SOIL MAY BE TREATED WITH PRE-EMERGENT OR POST-EMERGENT HERBICIDES, AS NEEDED AND AS APPROPRIATE FOR THE APPLICATION SEASON OR LOCATION, OR ELIMINATE GROWTH OF UNWANTED PLANT MATERIAL. APPLY HERBICIDES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. HERBICIDE APPLICATOR MUST BE LICENSED IN THE STATE OF CONNECTICUT, AND PERFORM APPLICATIONS IN ACCORDANCE WITH LOCAL REQUIREMENTS, PERMITTING STATUTATIONS, AND ANY OTHER RESTRICTIONS INCLUDING AND IN EXCESS OF STATE AND FEDERAL REGULATIONS.
 - PROPOSED TOPSOIL SHALL MEET THE USDA SOILS TEXTURAL PERCENTAGES OF SAND, SILT, AND CLAY FOR FOLLOWING CLASSIFICATIONS:
 - LOAM
 - SANDY LOAM WHERE SAND DOES NOT EXCEED 70% AND CLAY IS NOT LESS THAN 5%
 - SANDY CLAY LOAM WHERE SAND DOES NOT EXCEED 70% AND CLAY IS LESS THAN 20%
 - BIORETENTION SOILS: SOIL TO BE INSTALLED IN RETENTION BASINS, PONDS, OR OTHER STORMWATER MANAGEMENT ENVYRONS SHALL MEET THE ABOVE DESCRIBED CHARACTERISTICS AND AS FOLLOWS:
 - SOIL SHALL NOT CONTAIN MORE THAN 20% CLAY AND LESS THAN 40% SILT.
 - SOIL SHALL HAVE AN INFILTRATION RATE BETWEEN 1/2" AND 3" PER HOUR.
 - MODIFICATION TO THE PLANTING SOIL CHARACTERISTICS DESCRIBED ABOVE MAY BE SUBMITTED FOR APPROVAL BY THE LANDSCAPE ARCHITECT. CONTRACTOR MUST DEMONSTRATE PROPOSED CHARACTERISTICS ARE EQUAL TO OR SUPERIOR TO THE SPECIFIED CHARACTERISTICS WITH RESPECT TO SUPPORTING PLANT GROWTH, AND STORMWATER MANAGEMENT.
- PLANTING AMENDMENTS:

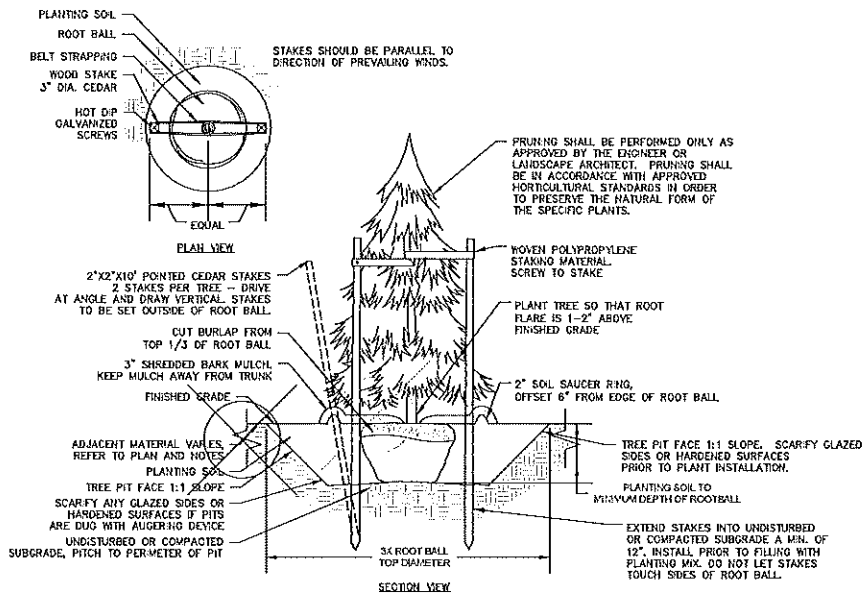
APPLY FERTILIZER AND OTHER AMENDMENTS AS RECOMMENDED FOR EACH PLANTING AREA BY SOIL ANALYSIS. APPLY AMENDMENTS IN A MANNER CONSISTENT WITH MANUFACTURER'S RECOMMENDATIONS. ANY ORGANIC AMENDMENTS SHALL HAVE A pH BETWEEN 4.5 AND 5.5 UNLESS OTHERWISE RECOMMENDED.
- PLANT REQUIREMENTS: ALL PLANTS SHALL CONFORM IN SIZE AND GRADE TO THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1 (LATEST EDITION). ALL PLANTS SHALL MEET THE ADDITIONAL REQUIREMENTS SET FORTH BELOW AND IN WRITTEN SPECIFICATIONS AS APPLICABLE. ALL TREES AND SHRUBS SHALL HAVE BEEN GROWN AT A COMMERCIAL NURSERY WITHIN 200 MILES OF THE PROJECT SITE UNLESS OTHERWISE APPROVED BY OWNER OR LANDSCAPE ARCHITECT. THEY SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY. THEY SHALL BE HEALTHY, SYMMETRICAL, EVENLY AND DENSELY BRANCHED, AND DENSELY FOLIATED WHEN IN LEAF. THEY SHALL BE FREE OF BARK INJURY, DISEASE, AND INSECT PESTS. ALL TREES SHALL HAVE A STRAIGHT TRUNK WITH A SINGLE MAIN LEADER UNLESS OTHERWISE CHARACTERISTIC OF THE SPECIES OR VARIETY. THE OWNER OR LANDSCAPE ARCHITECT WILL ALLOW SUBSTITUTIONS ONLY UPON WRITTEN APPROVAL. SIZES SHALL CONFORM TO THE MEASUREMENT SPECIFIED ON THE DRAWINGS. PLANTS LARGER THAN SPECIFIED MAY BE USED IF APPROVED, BUT THE USE OF SUCH PLANTS SHALL NOT INCREASE THE CONTRACT PRICE. ALL OVERSTORY TREES PLANTED ALONG PARKING AREAS, SIDEWALKS AND PEDESTRIAN ACCESSES SHALL NOT BRANCH BELOW 7' FEET IF THE TREE CALIPER IS 3" INCHES OR GREATER. ALL PLANT MATERIALS ARE SUBJECT TO INSPECTION AND ACCEPTANCE BY THE OWNER OR LANDSCAPE ARCHITECT AT THE NURSERY SOURCE. THE CONTRACTOR SHALL COORDINATE SOURCE VISITS WITH THE LANDSCAPE ARCHITECT AND SHALL ACCOMPANY THE OWNER AND/OR LANDSCAPE ARCHITECT FOR ALL INSPECTIONS. CERTIFICATES OF COMPLIANCE WITH SPECIFICATIONS ARE REQUIRED FOR ALL PLANTS.
- INSPECTION AND REVIEW:

ALL PLANT MATERIAL SHALL BE SUBJECT TO INSPECTION AND ACCEPTANCE BY THE OWNER OR LANDSCAPE ARCHITECT AT THE NURSERY SOURCE OR PLACE OF GROWTH. THE CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE ARCHITECT ON A SCHEDULE FOR SOURCE VISITS AND ACCOMPANY THE OWNER OR LANDSCAPE ARCHITECT FOR ALL SOURCE INSPECTIONS. CERTIFICATES OF COMPLIANCE ARE REQUIRED FOR ALL PLANT MATERIALS. PHOTOGRAPHIC REVIEW OF PLANT MATERIAL IS ACCEPTABLE IF APPROVED BY LANDSCAPE ARCHITECT. PHOTOGRAPHS MUST BE PROVIDED IN QUANTITY AND VARIETY TO ALLOW LANDSCAPE ARCHITECT SUFFICIENT INFORMATION TO MAKE A REASONABLE DETERMINATION AS TO THE PLANTS' QUALITY. OWNER AND LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REJECT PLANT MATERIAL DELIVERED TO THE SITE BUT PREVIOUSLY ACCEPTED IF DAMAGED OR NOT PROPERLY MAINTAINED DURING THE DELIVERY PROCESS.
- PLANTING SEASONS (UNLESS OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT)

PLANTINGS	SPRING APRIL 1 TO JUNE 15	FALL SEPTEMBER 15 TO NOVEMBER 15
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- SEEDING MIXTURES: REFER TO SEED MIX NOTES.
- ALL SLOPES STEEPER THAN 3:1 RECEIVING A SEED MIX SHALL BE COVERED WITH AN EROSION CONTROL BLANKET OF STRAW FIBER AND BIODEGRADABLE OR PHOTOGRADABLE NETTING.
- UNLESS OTHERWISE NOTED IN DRAWING SET, NEW TREE LINES SHALL EQUAL CLEARING AND GRUBBING LIMIT FOR CONSTRUCTION.
- ALL DISTURBED AREAS NOT OTHERWISE DEVELOPED SHALL BE SEEDING WITH THE LAWN SEED MIX.

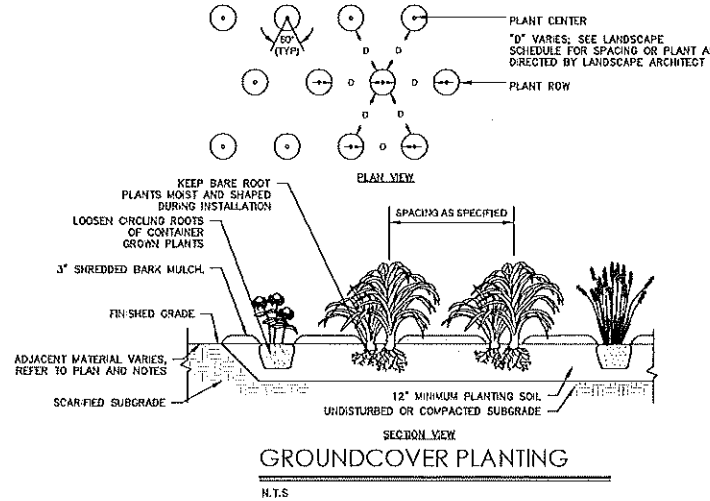
SEED MIX NOTES

- A. LAWN SEEDING MIX:
- 15% PERENNIAL RYEGRASS (BLEND OF 3 IMPROVED HYBRIDS)
 - 25% FINE LEAF OR CREEPING FESCUE (BLEND OF 3 IMPROVED HYBRIDS)
 - 60% KENTUCKY BLUEGRASS (BLEND OF 3 IMPROVED HYBRIDS)
- SEEDING RATE: 5 LBS/1,000 S.F.
SEEDING DATES: AUGUST 15 - OCTOBER 1 AND APRIL 15 - JUNE 30 UNLESS OTHERWISE APPROVED BY THE OWNER OR LANDSCAPE ARCHITECT.



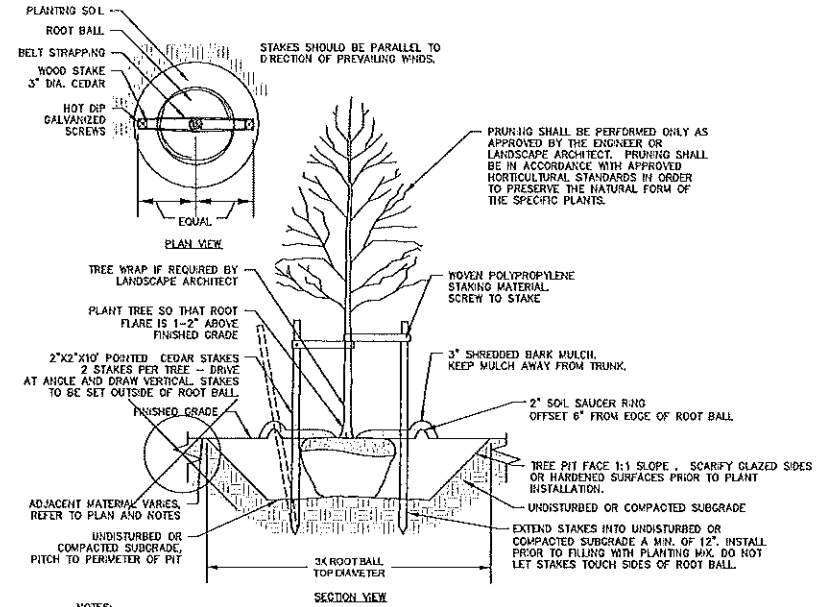
EVERGREEN TREE PLANTING

N.T.S.



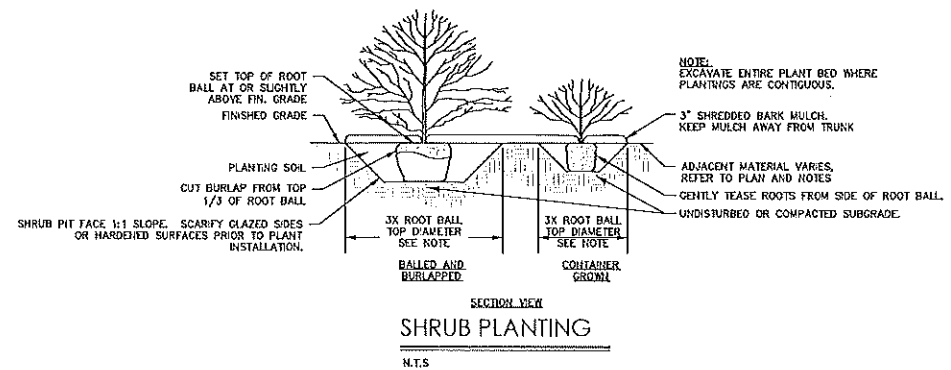
GROUNDCOVER PLANTING

N.T.S.



DECIDUOUS TREE PLANTING

N.T.S.



SHRUB PLANTING

N.T.S.



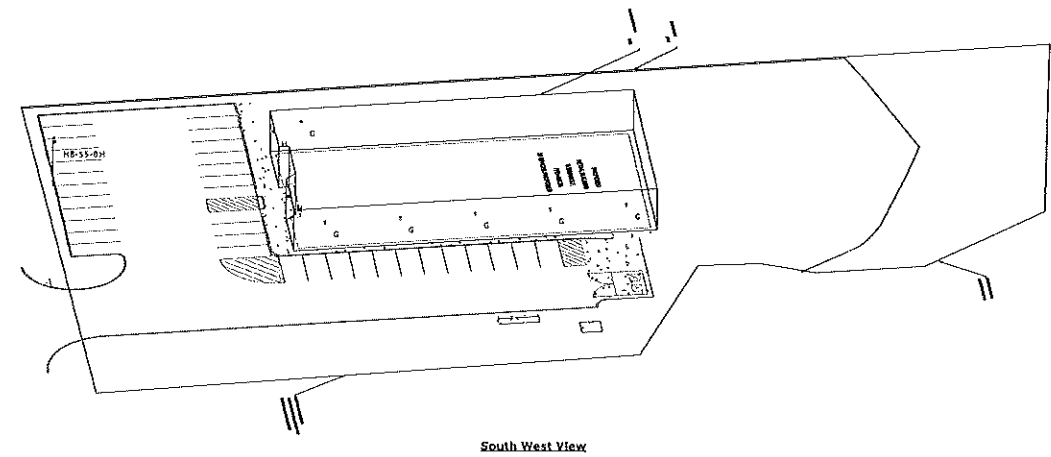
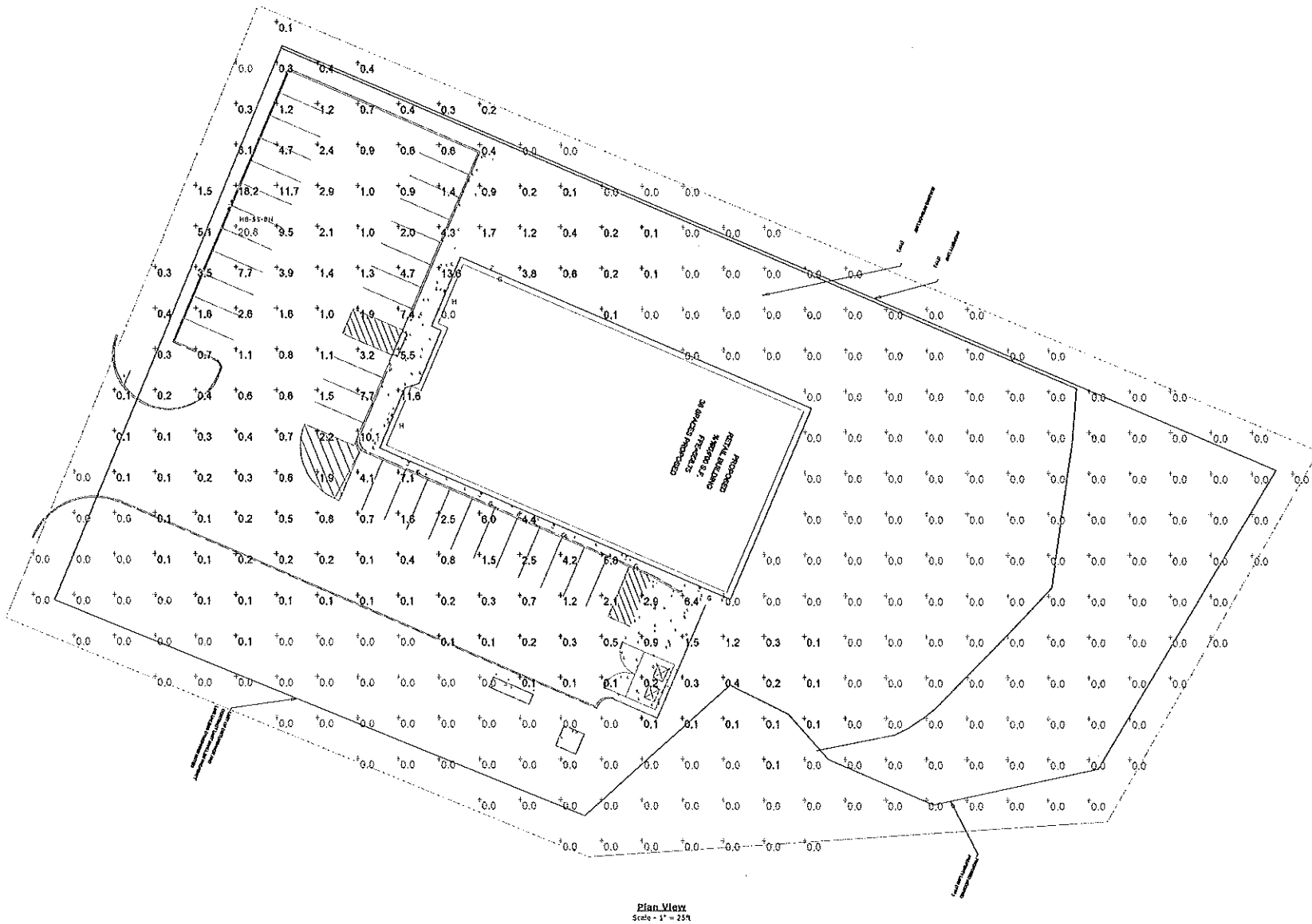
355 Research Park Ave
1720 Dan. Ct 06450
(203) 639-1400
(203) 639-2115 Fax

PROPOSED RETAIL DEVELOPMENT
KILLINGWORTH ROAD
HADDAM, CONNECTICUT

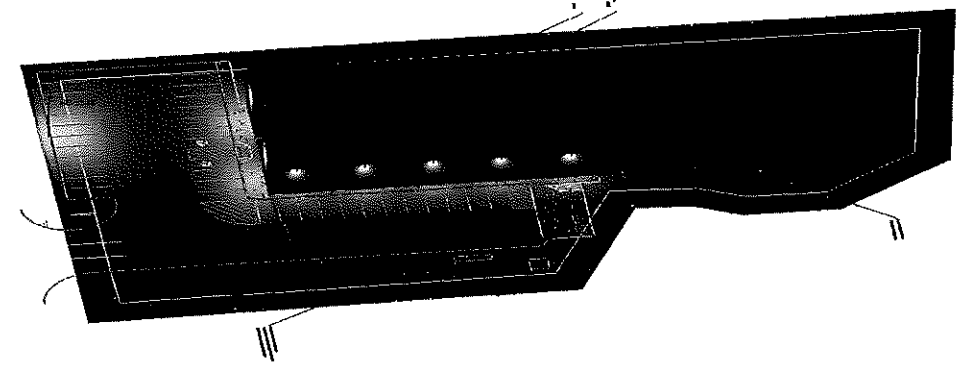
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Drawn	J.D.D.
Reviewed	
Scale	1:200E
Project No.	2200118
Date	09/21/2022
CAD File:	11220011801
File	
Sheet No.	

LANDSCAPE NOTES AND DETAILS

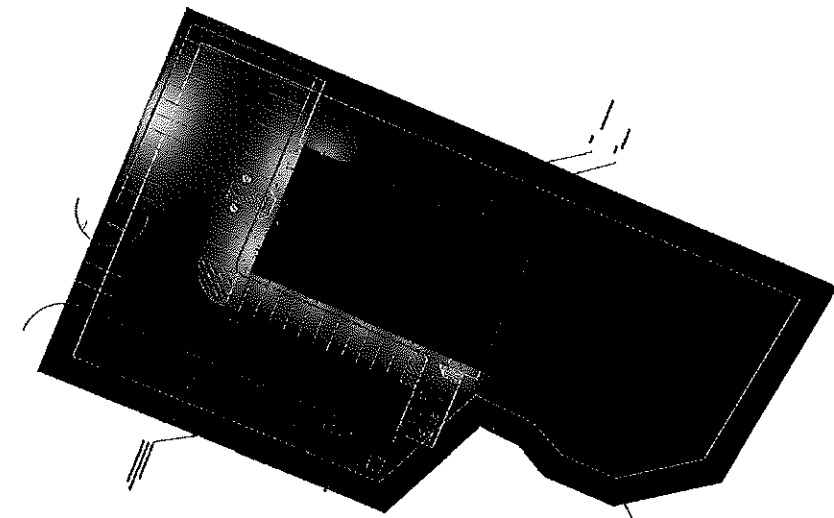
LL-2



South West View



Rendered SW View



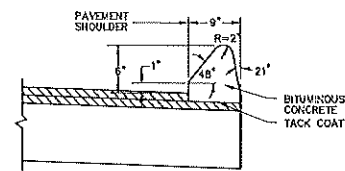
Rendered View

Schedule

Symbol	Label	Quantity	Description	Lumens Per Lamp	Wattage
△	G	6	SNC-FWP01-40CT4A1-40	4861	40.4
□	H	2	PRO-SG11-150WCT3A1	15704	153.3
□ . □	HB-SS-BH	1	TWO PRO-SG11-150WCT3A1 with SIDE SHIELDS	15704	306.6

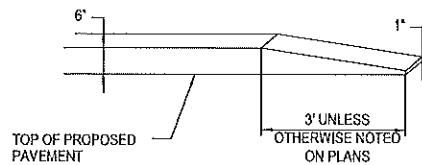
Luminaire Locations

Label	MH	Orientation	Tilt
G	12.00	24.23	0.00
G	12.00	205.46	0.00
G	12.00	205.46	0.00
G	12.00	205.46	0.00
G	12.00	205.46	0.00
G	12.00	205.46	0.00
H	16.50	292.48	0.00
H	16.50	292.48	0.00
HB-SS-BH	20.00	113.83	0.00



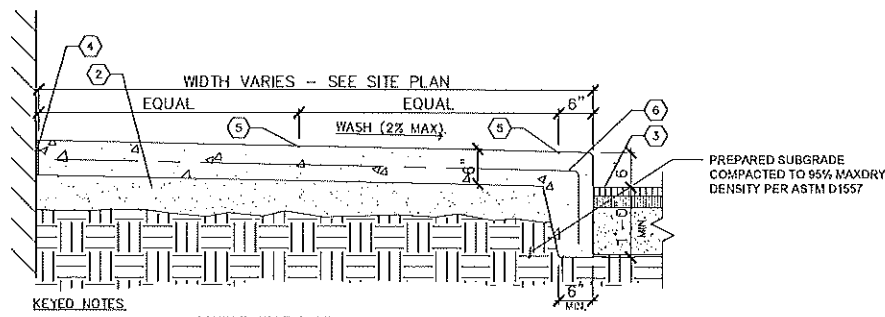
BITUMINOUS CONCRETE LIP CURBING

N.T.S.



3' BITUMINOUS CONCRETE TRANSITION CURB

N.T.S.

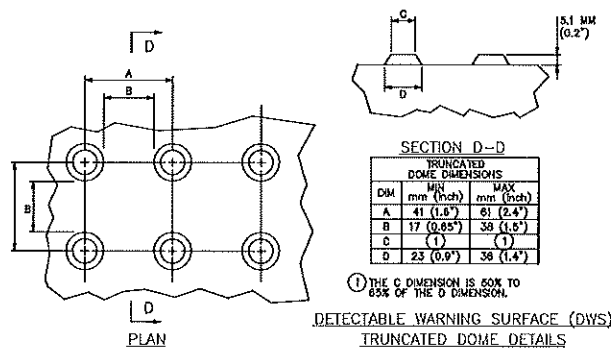


- KEYED NOTES:**
- ① N/A
 - ② 6" PROCESSED AGGREGATE BASE COURSE, CTDOT M.05.01
 - ③ PAVEMENT.
 - ④ COMPRESSIBLE FILLER (3/4" MAXIMUM), CUT BACK AND PROVIDE SEALANT, TYPICAL, AT ALL JOINTS WITH FILLER.
 - ⑤ 1/4" TOOLED JOINT
 - ⑥ 6" X 6" W.2.1 X 2.1 W.W.F.

MONOLITHIC CONCRETE CURB AND SIDEWALK DETAIL

N.T.S.

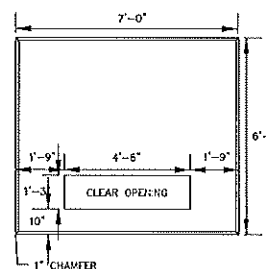
WAG



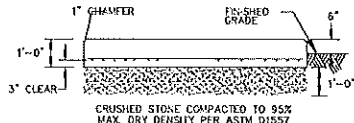
- ALIGN DETECTABLE WARNING DOMES ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN THE DOMES.
- PROVIDE DETECTABLE WARNING SURFACES THAT CONTRAST (70%) IN LIGHT REFLECTANCE WITH ADJACENT SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT OR SAFETY YELLOW.

DETECTABLE TRUNCATED DOME DETECTABLE WARNING SURFACE (DWS) AND X-SECT.

N.T.S.



PLAN VIEW



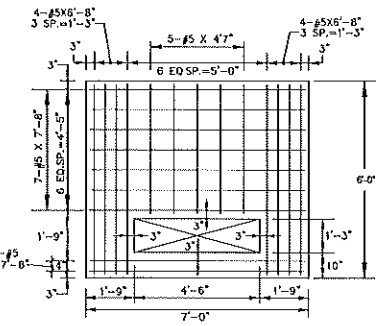
SECTION

CONFIRM SIZE WITH ELECTRIC COMPANY PRIOR TO CONSTRUCTION

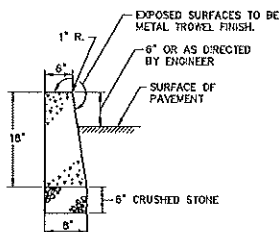
TRANSFORMER PAD

N.T.S.

ELLE-001



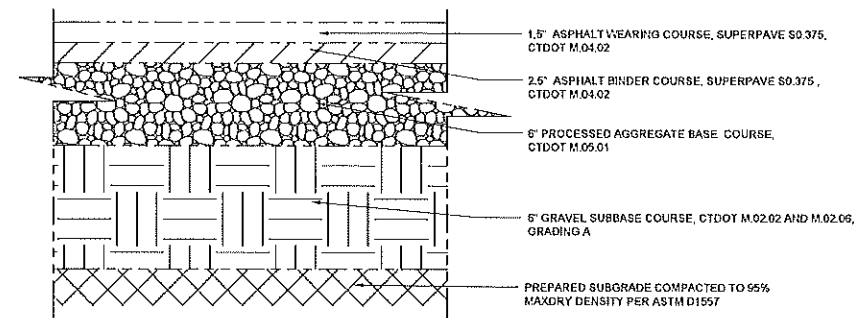
PLAN OF REINFORCING



CONCRETE CURB DETAIL

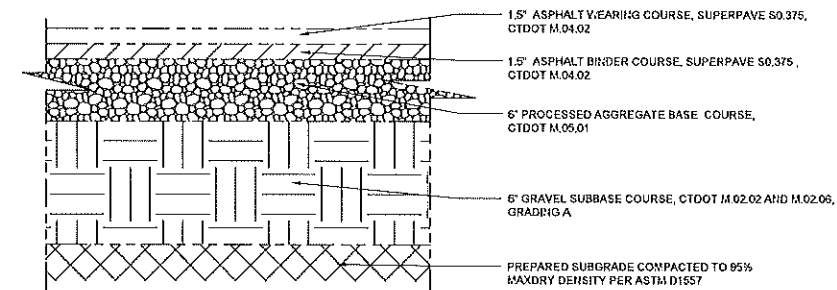
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ZPC-014



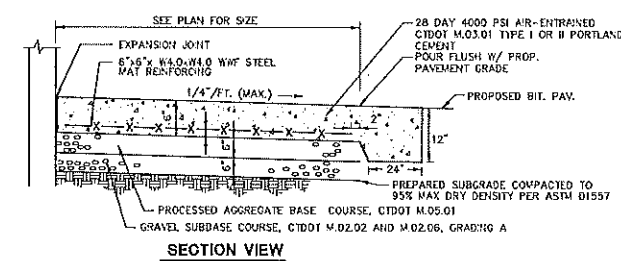
HEAVY DUTY BITUMINOUS CONCRETE PAVEMENT STRUCTURE DETAIL

N.T.S.



STANDARD DUTY BITUMINOUS CONCRETE PAVEMENT STRUCTURE DETAIL

N.T.S.

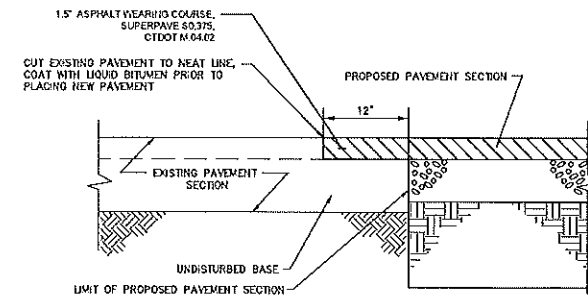


SECTION VIEW

CONCRETE TRASH ENCLOSURE DUMPSTER PAD AND CONCRETE PAVEMENT

N.T.S.

BLPC-002



EDGE OF PAVEMENT DETAIL

N.T.S.

NOT FOR CONSTRUCTION FOR PERMITTING PURPOSES ONLY

REFER TO SHEET GN-1 FOR SITE WORK GENERAL NOTES



355 Research Parkway
Middletown, CT 06450
(203) 633-1400
(203) 630-7815 Fax

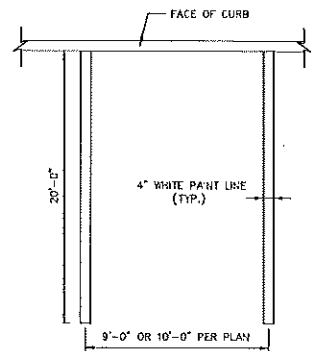
PROPOSED RETAIL DEVELOPMENT
KILLINGWORTH ROAD
HADDAM, CONNECTICUT

REVISIONS

No.	Date	Description

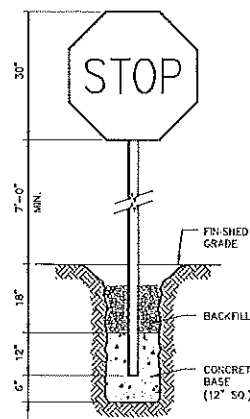
Designed: I.A.H.
Drawn: C.D.C.
Reviewed:
Scale: NONE
Project No.: 2000418
Date: 09/21/2022
CAD File: D:\200041801
Title: **DETAILS SHEET**

Sheet No. **DN-1**



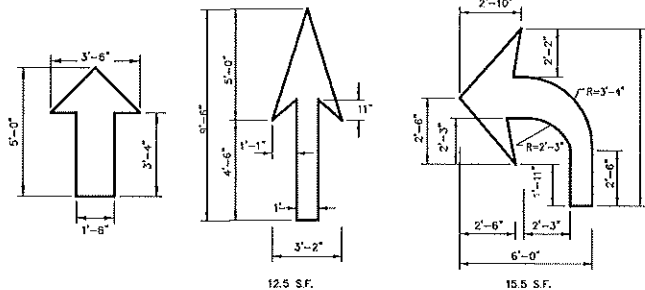
NOTE:
1. PROVIDE 2 COATS OF PAINT ON ALL SURFACES.
2. SEE PLAN FOR ACTUAL SPACE LOCATION AND DIMENSIONS.

TYPICAL PARKING SPACE DETAIL
N.T.S. BLPD-003



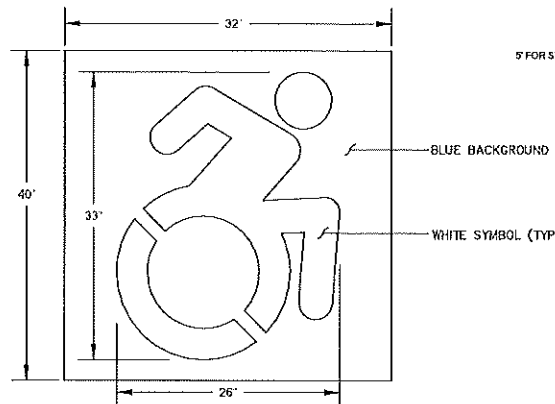
NOTE:
CONSTRUCT SIGN IN ACCORDANCE WITH DOT SPECIFICATIONS.

STOP SIGN
N.T.S. BLSO-002



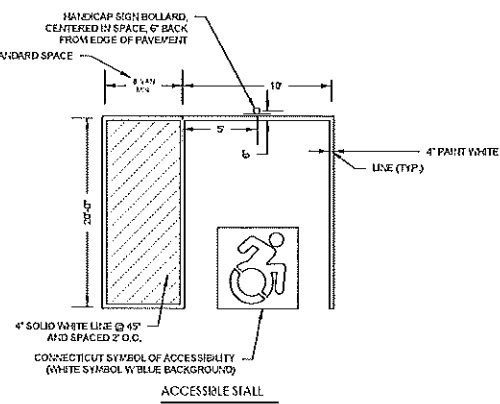
NOTE:
1. WHITE (ARROWS TO BE CENTERED IN TRAVEL LANE)

PAINTED TRAFFIC ARROW DETAILS
N.T.S. BLPD-006



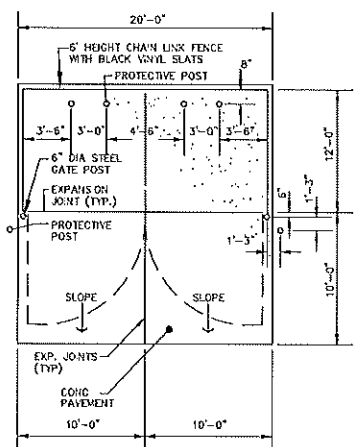
NOTE: HANDICAP SYMBOL TO ADHERE TO STATE BUILDING CODE, LATEST EDITION

CONNECTICUT SYMBOL OF ACCESSIBILITY
N.T.S.

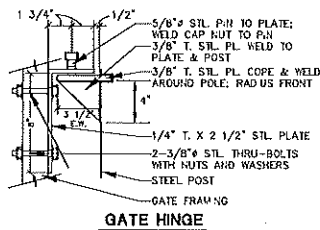


NOTE:
UNIFORM FEDERAL ACCESSIBILITY STANDARDS, SECTION 4.30. & 2010 ADA

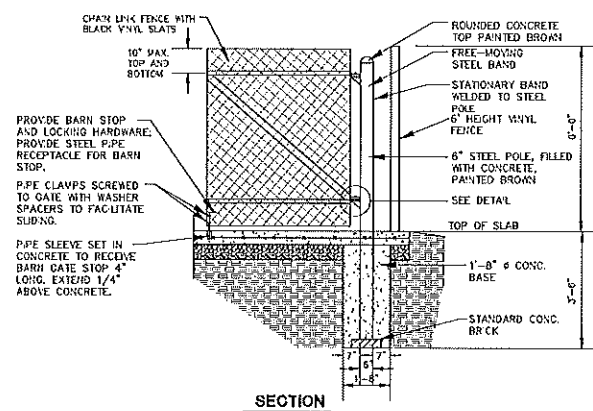
TYPICAL HANDICAP PARKING STALL LAYOUT
N.T.S.



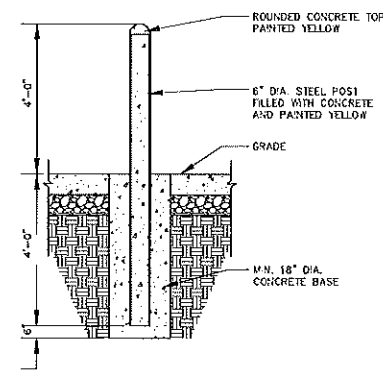
TRASH ENCLOSURE PLAN
N.T.S. BLSO-004



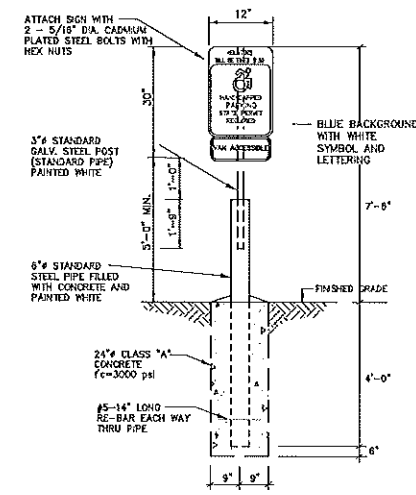
TRASH ENCLOSURE GATE (HALF SECTION)
N.T.S. BLSO-001



TRASH ENCLOSURE CHAIN LINK FENCE GATE
N.T.S. BLPD-001

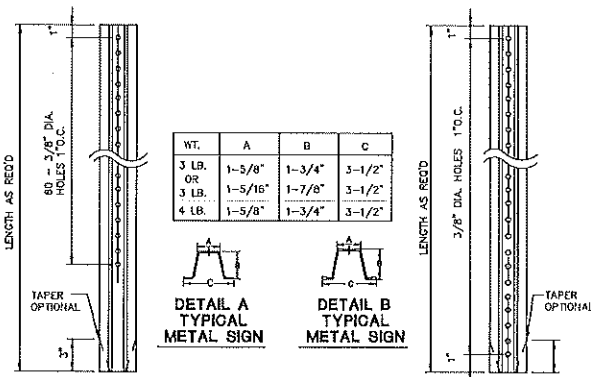


6" CONCRETE FILLED STEEL BOLLARD
N.T.S. BLSO-005

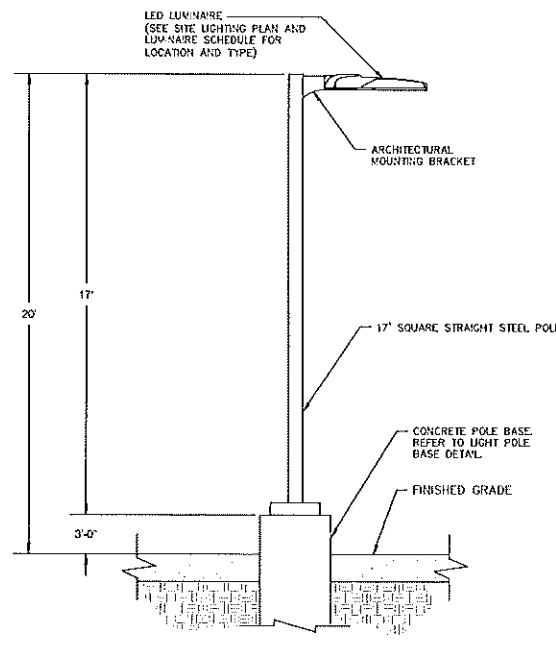


NOTE: HANDICAP SYMBOL TO ADHERE TO STATE BUILDING CODE, LATEST EDITION

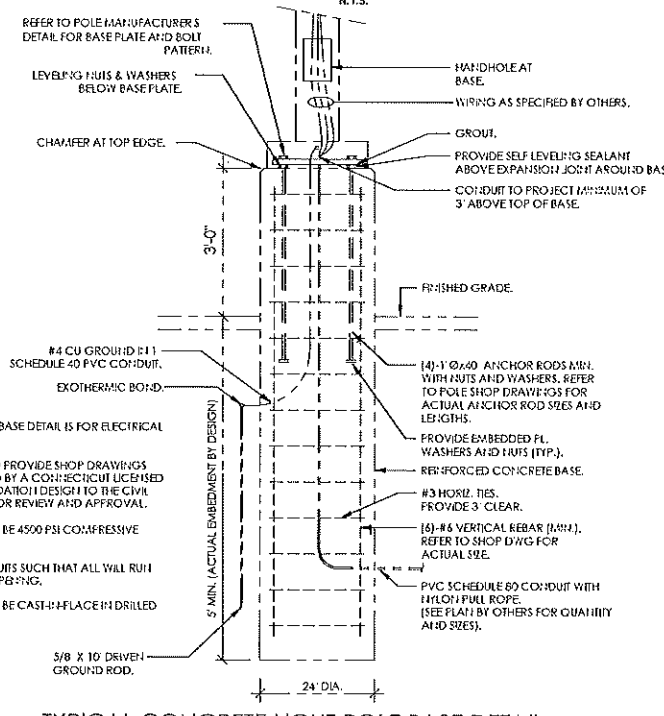
HANDICAP SIGN BOLLARD DETAIL
N.T.S.



TYPICAL METAL SIGN POSTS
N.T.S. BLSO-001



TYPICAL LUMINAIRE MOUNTING DETAIL
N.T.S.



NOTES:

- CONCRETE POLE BASE DETAIL IS FOR ELECTRICAL FEATURES ONLY.
- CONTRACTOR TO PROVIDE SHOP DRAWINGS SIGNED AND SEALED BY A CONNECTICUT LICENSED ENGINEER OF FOUNDATION DESIGN TO THE CIVIL DESIGN ENGINEER FOR REVIEW AND APPROVAL.
- CONCRETE SHALL BE 4500 PSI COMPRESSIVE STRENGTH.
- ARRANGE CONDUITS SUCH THAT ALL WILL RUN WITHIN POLE BASE OPENING.
- CONCRETE SHALL BE CAST IN PLACE IN DRILLED EXCAVATION.

TYPICAL CONCRETE LIGHT POLE BASE DETAIL
N.T.S.

NOT FOR CONSTRUCTION FOR PERMITTING PURPOSES ONLY

REFER TO SHEET GN-1 FOR SITE WORK GENERAL NOTES

Revisions

No.	Date	Desc.

Designed by I.A.H.
Drawn by C.D.C.
Reviewed by
Scale NONE
Project No. 2203418
Date 09/21/2022
CAD File: D:\220341801

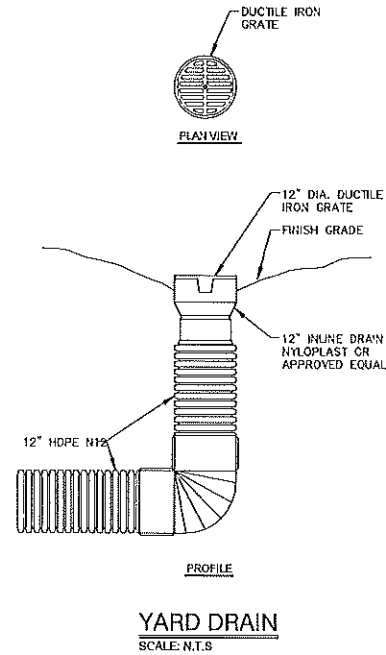
DETAILS SHEET

Sheet No.

DN-2

NOTES:

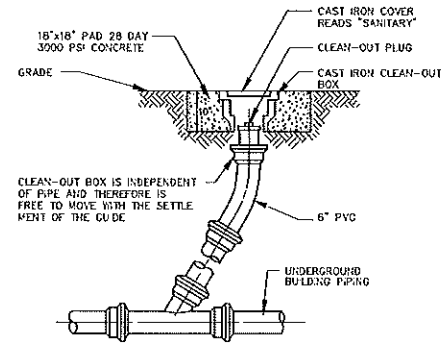
1. STANDARD GRATE HAS A LIGHT DUTY RATING.
2. MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05.
3. MATERIAL SHALL BE DUCTILE IRON.
4. CASTINGS SHALL BE FURNISHED WITH A BLACK PAINT.



YARD DRAIN
SCALE: N.T.S.

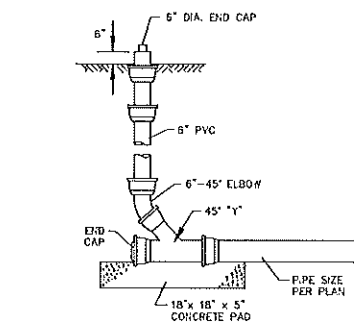
NOTES:

1. FILTER FABRIC, RIP-RAP & CRUSHED STONE TO EXTEND MIN. OF 12' BEYOND PIPE OPENING.



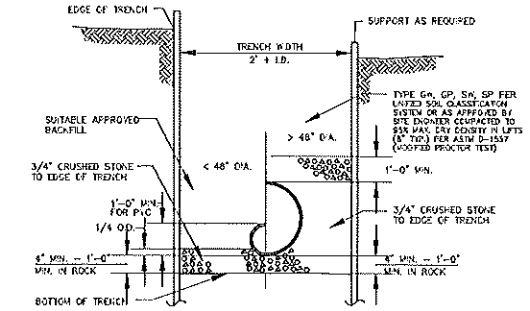
CLEANOUT IN PAVED AREA

N.T.S. BLS5-008



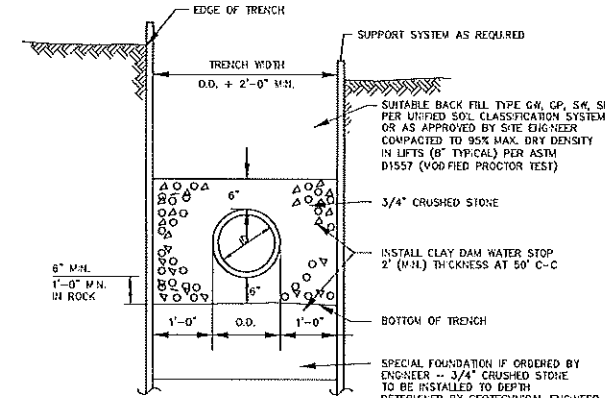
CLEANOUT IN LANDSCAPED AREA

N.T.S. BLS5-010



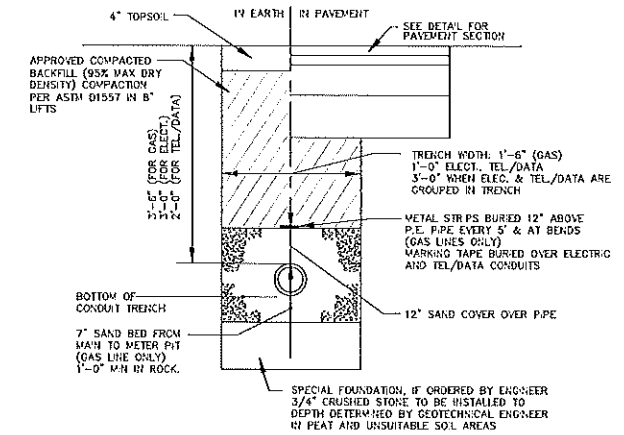
TYPICAL STORM SEWER TRENCH SECTION

N.T.S. BLD0-004



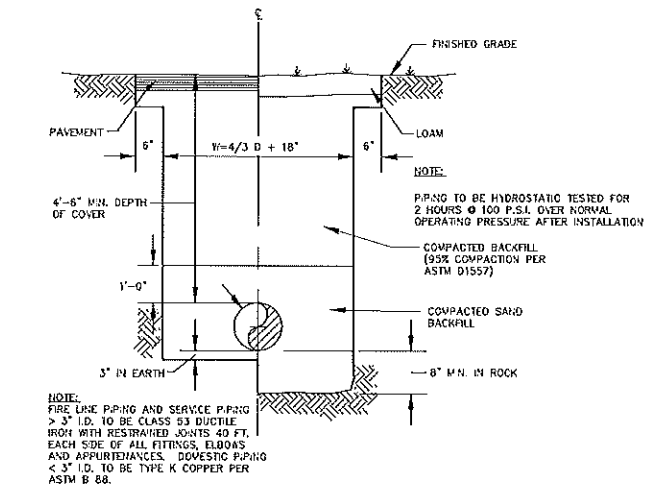
TYPICAL SANITARY SEWER TRENCH SECTION

N.T.S. BLS5-010



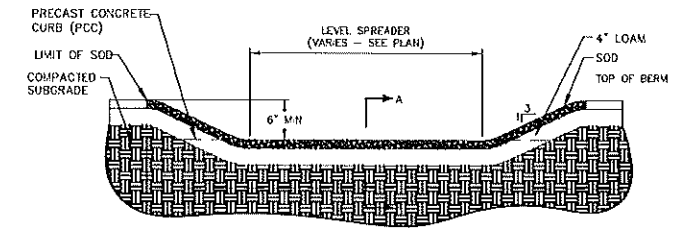
ELECTRICAL, TELEPHONE AND GAS TRENCH DETAIL

N.T.S. BLD0-001

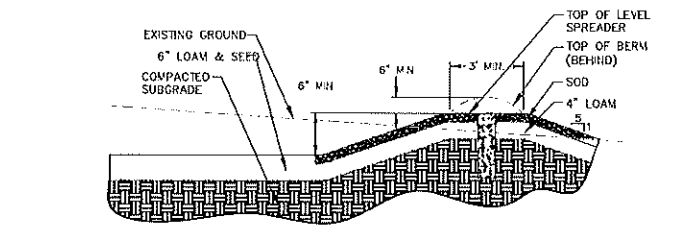


TYPICAL WATER SERVICE TRENCH DETAIL

N.T.S. BLD0-005

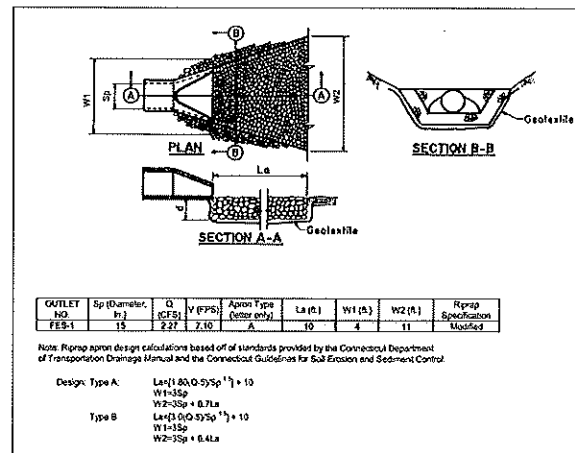


ELEVATION



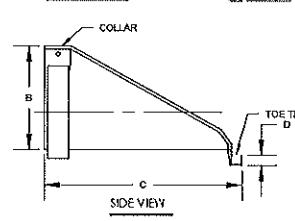
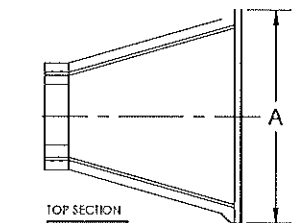
SECTION A-A

N.T.S.



RIPRAP APRON

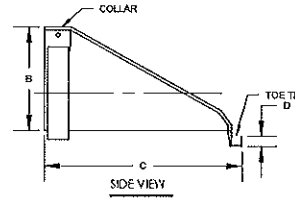
N.T.S.



HDPE FLARED END SECTION

N.T.S.

DIMENSION	PIPE DIAMETER					
	10/12"	15"	18"	24"	30"	36"
A	42"	41"	42"	59.5"	58"	58"
B	14.5"	15"	22"	28"	35"	43"
C	33"	34"	43"	45"	63.5"	66.5"
D	6"	6"	6"	6"	6"	6"



NOT FOR CONSTRUCTION
FOR PERMITTING PURPOSES
ONLY

REFER TO SHEET GN-1 FOR
SITE WORK GENERAL NOTES

Drawn

Date

No.

Designed

Down

Reviewed

Scale

Project No.

Date

CAD File

Title

Sheet No.

PRODUCT SPECIFICATIONS

- THE STORMWATER TREATMENT UNIT SHALL BE AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.
- THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL SCALE THIRD PARTY TESTING USING OK-110 MEDIA GRADATION OR EQUIVALENT AND 300 mg/L INFLUENT CONCENTRATION. SAID FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.
- OR-
- THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF TSS USING A MEDIA MIX WITH #50-75 MESH AND 300 MG/L INFLUENT CONCENTRATION.
- OR-
- THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 95% OF TSS PER CURRENT NJDEP/NJCAT HDS PROTOCOL.

BARRACUDA S3	
UNIT ID	53
PEAK FLOW RATE CFS	2.85
TREATMENT FLOW RATE CFS	0.5
*TREATMENT FLOW RATE PER OK-110	

HADDAM, HADDAM, CT

DATE: _____ DRAWN: _____ CHECKED: _____

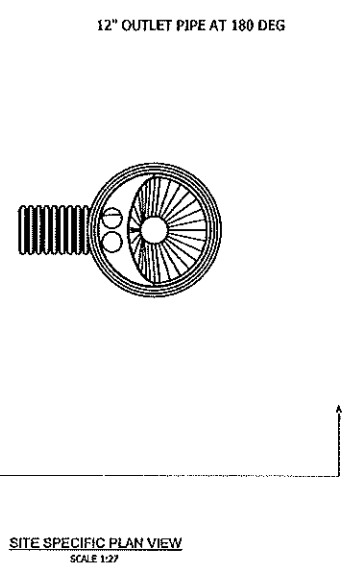
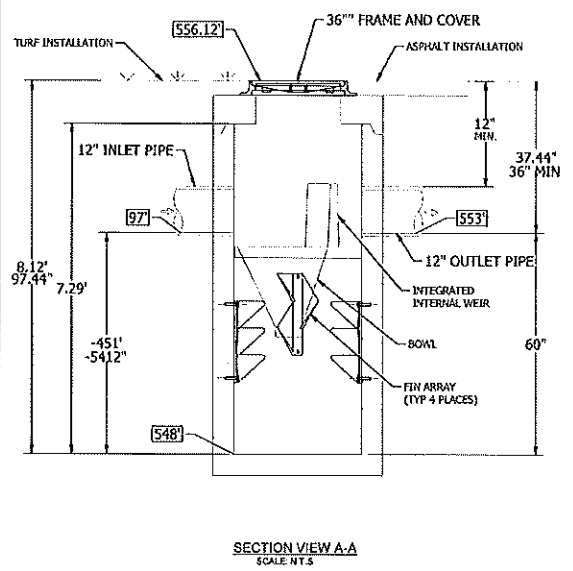
PROJECT #:

SCALE: AS NOTED

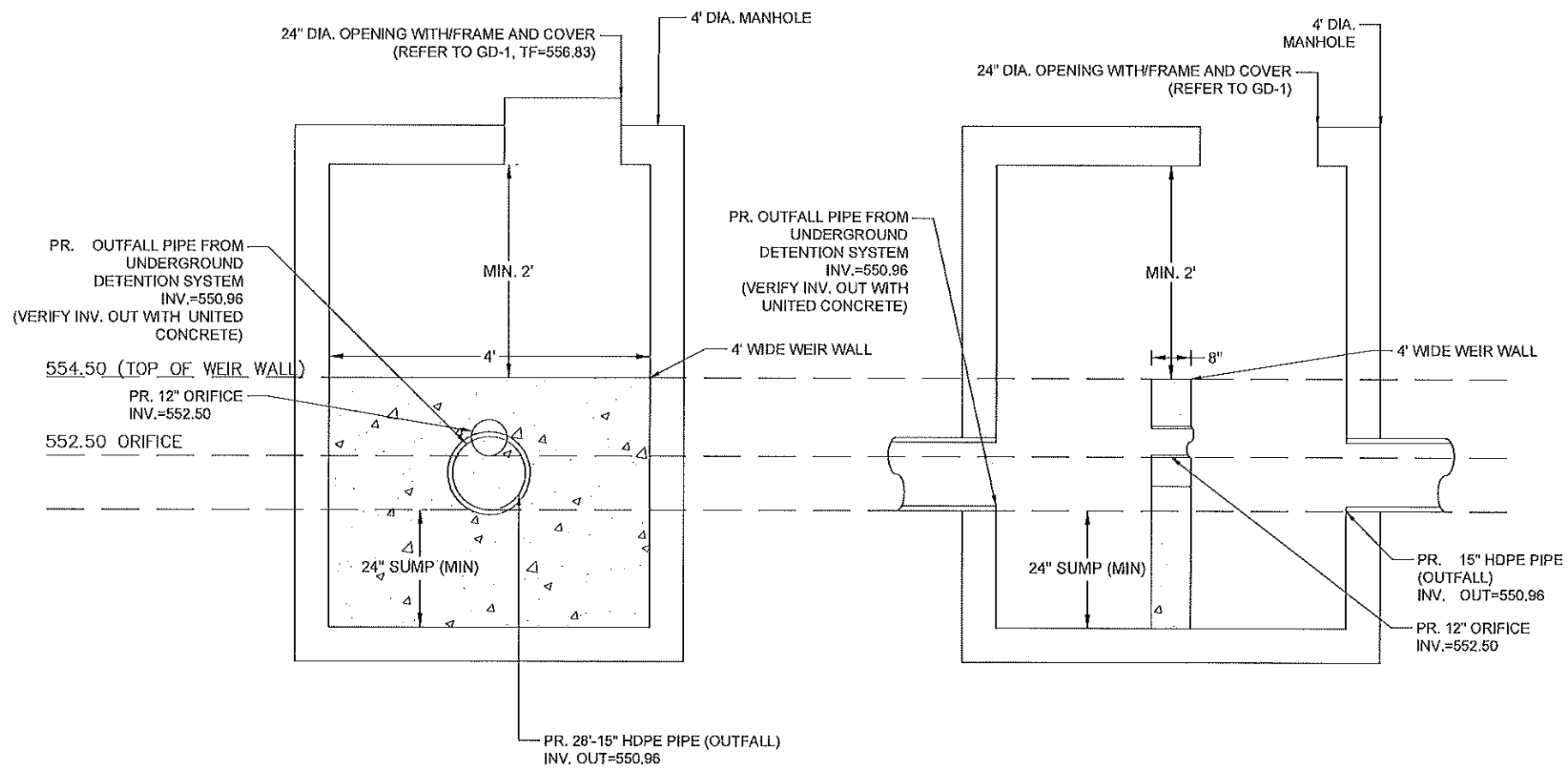
1 SHEET OF 1

AS NOTED

THE DRAWING HAS BEEN PREPARED IN ACCORDANCE WITH THE DESIGN STANDARDS AND SPECIFICATIONS OF THE STATE OF CONNECTICUT. THE PROJECT ENGINEER HAS REVIEWED THIS DRAWING AND HAS APPROVED IT FOR CONSTRUCTION. THE PROJECT ENGINEER'S REVIEW IS LIMITED TO THE TECHNICAL ASPECTS OF THE DRAWING AND DOES NOT CONSTITUTE A GUARANTEE OF THE ACCURACY OF THE INFORMATION PROVIDED HEREON.



Missing or invalid reference
 File: lg05 4'x8'x4' Galley 4' x 8' x 4' GALLEY.pdf
 Sheet: 1



PRIMARY OUTLET CONTROL STRUCTURE
 N.T.S.

NOT FOR CONSTRUCTION
 FOR PERMITTING PURPOSES
 ONLY

REFER TO SHEET GN-1 FOR
 SITE WORK GENERAL NOTES

REVISIONS

No.	Date	Desc.

Designed: T.A.H.
 Drawn: C.O.C.
 Reviewed:
 Scale: NONE
 Project No.: 2200418
 Date: 09/21/2022
 CAD File: D:\220041801
 Title: DETAILS SHEET