

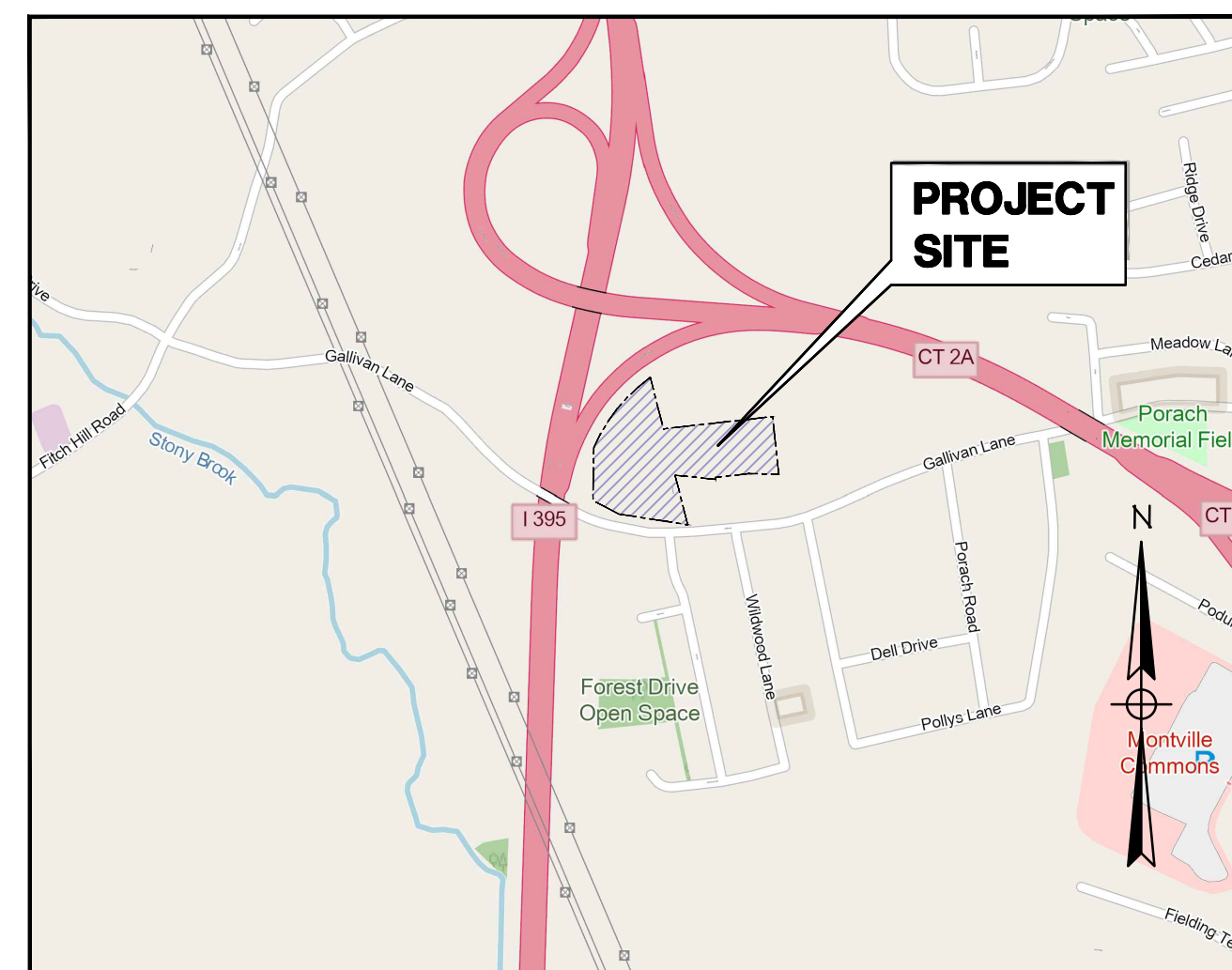
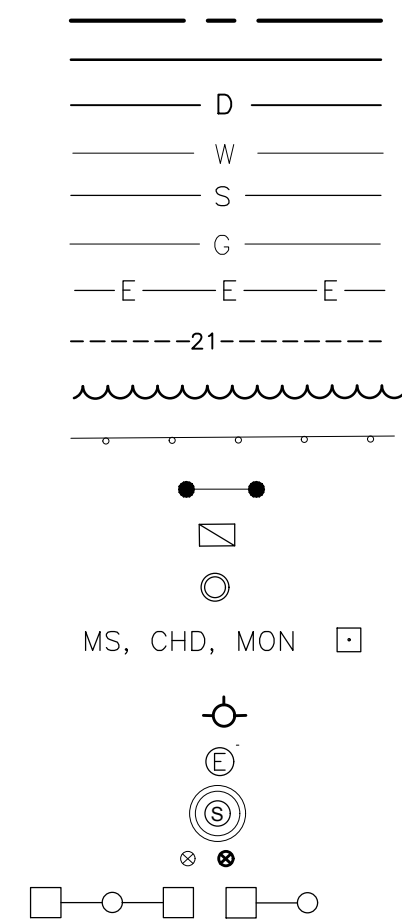
PROPOSED INDUSTRIAL BUILDING

179 GALLIVAN LANE MONTVILLE, CT

LEGEND

PROPERTY LINE
EDGE OF PAVEMENT
DRAINAGE
WATER
SEWER
GAS
ELECTRIC
CONTOUR
TREE LINE
GUIDERAIL
SIGNS
CATCH BASIN
IRON PIN, IRON PIPE

FIRE HYDRANT
ELECTRIC MANHOLE
SEWER MANHOLE
GAS GATE, WATER GATE
LAMP



LOCATION MAP
SCALE: 1" = 1000'

INDEX TO DRAWINGS

DRAWING NO.	DESCRIPTION OF DRAWINGS
1	BOUNDARY SURVEY
2	SITE PLAN
3	EROSION & SEDIMENT CONTROL PLAN
4	GRADING & DRAINAGE PLAN
5	UTILITY PLAN
6	E&S DETAILS
7	SITE DETAILS
8	LANDSCAPING PLAN

PROPOSED USE: LIGHT INDUSTRIAL
APPLICANT: FLUID LINE PRODUCTS, LLC
179 GALLIVAN LANE
UNCASVILLE, CT 06382
MAP/BLOCK/LOT: 048/016/000

SEPTEMBER 15, 2025
SEPTEMBER 10, 2025
MARCH 2025

Green Site Design LLC
CONSULTING CIVIL ENGINEERS
317 Main Street Norwich, CT 06360
(860) 886-1966 Fax (860) 886-9165

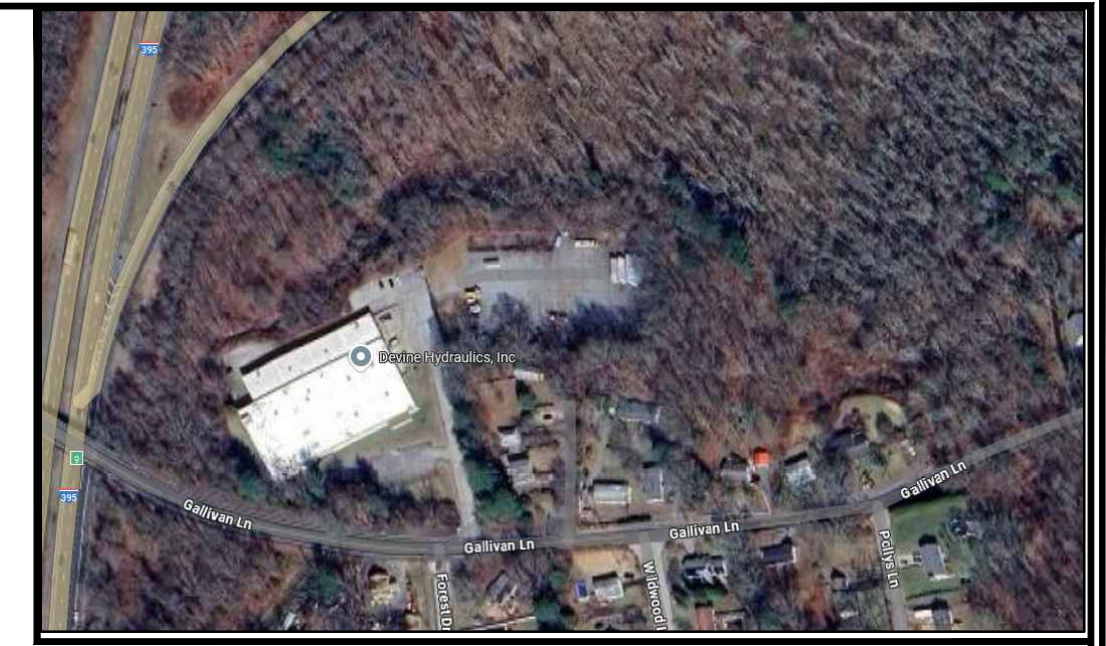
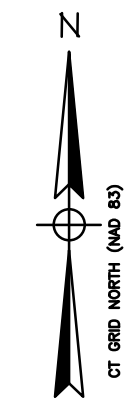
APPROVED BY THE MONTVILLE PLANNING & ZONING COMMISSION

CHAIRMAN / SECRETARY _____ DATE _____

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LEGEND:

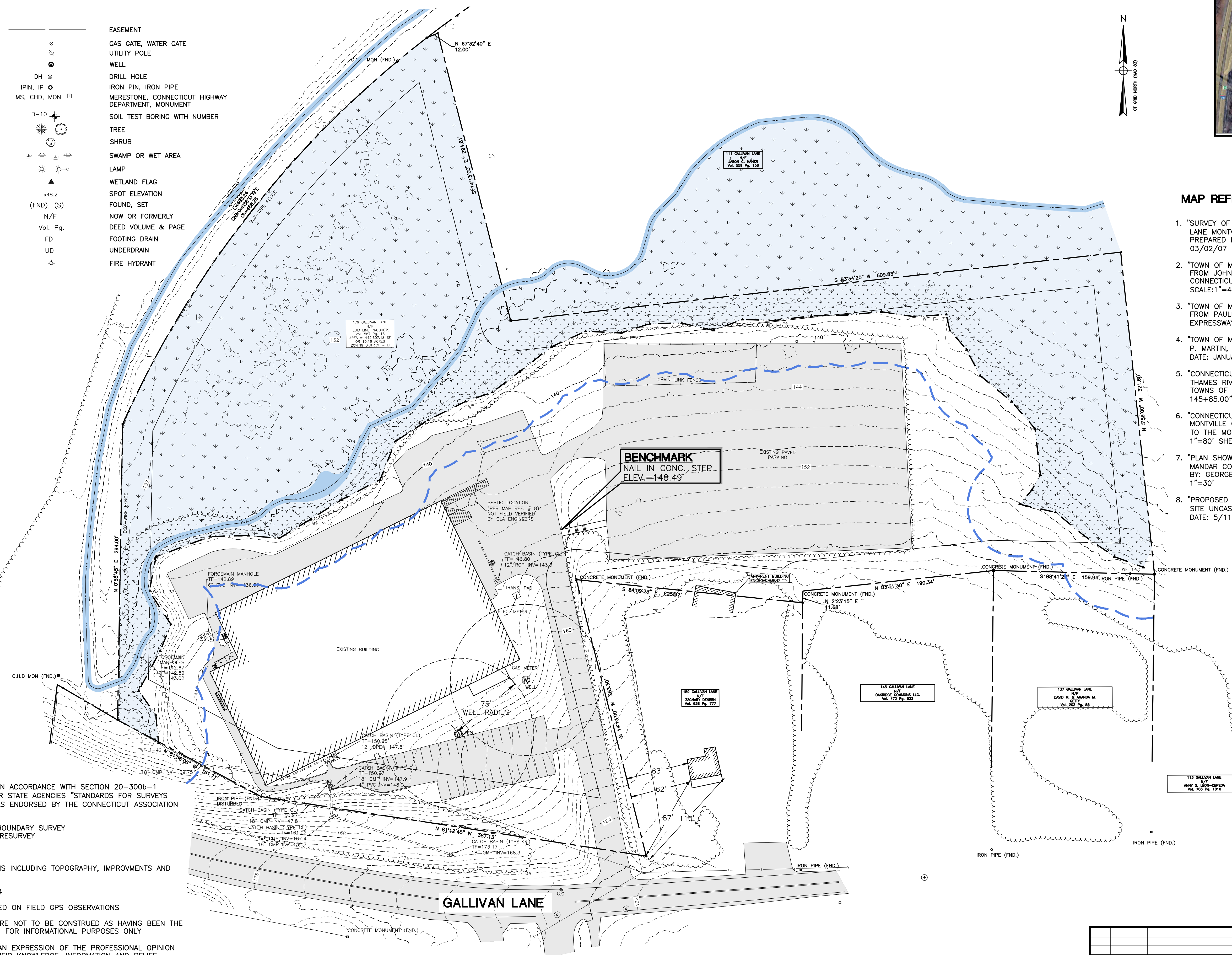
	PROPERTY LINE		EASEMENT
	DRAINAGE PIPE		GAS GATE, WATER GATE
	CONTOUR		UTILITY POLE
	CHAIN LINK FENCE		WELL
	BOX WIRE FENCE		DRILL HOLE
	STOCKADE FENCE		IRON PIN, IRON PIPE
	RETAINING WALL		MERESTONE, CONNECTICUT HIGHWAY DEPARTMENT, MONUMENT
	STONE WALL		SOIL TEST BORING WITH NUMBER
	TREE LINE		TREE
	EDGE OF WETLANDS		SHRUB
	STREAM		SWAMP OR WET AREA
	SIGNS		LAMP
	CATCH BASIN		WETLAND FLAG
	FLARED END UNIT		SPOT ELEVATION
	ELECTRIC MANHOLE		FOUND, SET
	SEWER MANHOLE		NOW OR FORMERLY
	DRAINAGE MANHOLE		DEED VOLUME & PAGE
			FOOTING DRAIN
			UNDERDRAIN
			FIRE HYDRANT



**LOCATION MAP
(NOT TO SCALE)**

MAP REFERENCES

- "SURVEY OF PROPERTY LINE AGREEMENT BETWEEN 111 AND 113 GALLIVAN LANE MONTVILLE, CONNECTICUT PROPERTY OF DANIELS AND BOGARDUS" PREPARED BY A-2 MAPS AND SURVEYS DATE: OCTOBER 13, 2005 REVISED: 03/02/07 SCALE: 1"=20' SHEET NO. 1 OF 1
- "TOWN OF MONTVILLE MAP SHOWING LAND & RIGHTS OF ACCESS ACQUIRED FROM JOHN & HELEN STRENKOWSKI BY THE STATE OF CONNECTICUT CONNECTICUT TURNPIKE DATE: OCTOBER 1955 REVISED: APRIL 1956 SCALE: 1"=40'
- "TOWN OF MONTVILLE MAP SHOWING LAND & RIGHTS OF ACCESS ACQUIRED FROM PAULINE ELIUK BY THE STATE OF CONNECTICUT GREENWICH-KILLINGLY EXPRESSWAY" DATE: MARCH 1955 REVISED: NOVEMBER 1955
- "TOWN OF MONTVILLE PLAN SHOWING A PARCEL OF LAND OWNED BY JOHN P. MARTIN, REAL ESTATE BROKER, INC." PREPARED BY: JOSEPH HOFFMAN DATE: JANUARY 1967 SCALE: 1"=30'
- "CONNECTICUT STATE HIGHWAY DEPARTMENT PLAN FOR CONSTRUCTION OF THAMES RIVER BRIDGE AND APPROACHES (CONNECTICUT ROUTE 2A) IN THE TOWNS OF MONTVILLE AND PRESTON FROM STA. 99+25.00 TO STA 145+85.00" SCALE: 1"=40' DATE: MAY 17, 1965 SHEET NO. 18 & 23
- "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF MONTVILLE CONNECTICUT TURNPIKE FROM RAYMOND HILL ROAD NORTHERLY TO THE MONTVILLE-NORWICH TOWN LINE" DATE: DECEMBER 1962 SCALE: 1"=80' SHEET NO. 4 OF 7
- "PLAN SHOWING PROPERTY OF JOHN P. MARTIN TO BE CONVEYED TO: MANDAR CORPORATION GALLIVAN LANE MONTVILLE, CONNECTICUT" PREPARED BY: GEORGE H. DIETER DATE: MARCH 1984 REVISED: MAY 1984 SCALE: 1"=30'
- "PROPOSED ADDITION FOR U.N.C. SITE & SEPTIC W/ DETAILS GALLIVAN LANE SITE UNCASVILLE, CONNECTICUT" PREPARED BY: N. GRONDAHL & SONINC DATE: 5/11/84 REVISED: 5/21/84 SCALE: 1"=30'



SURVEY NOTES

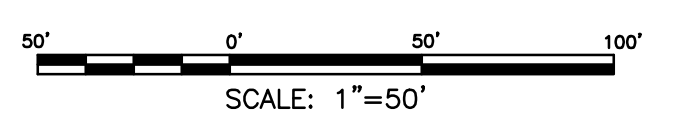
- THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS FOR STATE AGENCIES "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC.
 - TYPE OF SURVEY: TOPOGRAPHIC AND BOUNDARY SURVEY
 - BOUNDARY DETERMINATION CATEGORY: RESURVEY
 - HORIZONTAL ACCURACY: A-2
VERTICAL ACCURACY: N/A
 - TOPOGRAPHIC ACCURACY: T-2
 INTENT: TO DEPICT EXISTING CONDITIONS INCLUDING TOPOGRAPHY, IMPROVMENTS AND BOUNDARY INFORMATION
- DATE OF LATEST FIELD WORK: NOVEMBER 2024
- HORIZONTAL ORIENTATION IS CT N.A.D 83 BASED ON FIELD GPS OBSERVATIONS
- BOUNDARY LINES OF ADJOINING PROPERTIES ARE NOT TO BE CONSTRUED AS HAVING BEEN THE RESULT OF A FIELD SURVEY AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY
- THE WORD "CERTIFY" IS UNDERSTOOD TO BE AN EXPRESSION OF THE PROFESSIONAL OPINION OF THE LAND SURVEYOR TO THE BEST OF THEIR KNOWLEDGE, INFORMATION AND BELIEF.
- STONE WALLS AND/OR FENCES SHOWN AS BOUNDARIES MAY HAVE IRREGULARITIES BETWEEN POINTS INDICATED ON THE SURVEY.
- THE SUBJECT PARCEL MAY BE SUBJECT TO OR BENEFIT BY THE FOLLOWING EASEMENTS, RIGHT OF WAYS OR AGREEMENTS:
 - DRAINAGE EASEMENTS OR RIGHT OF WAYS IN FAVOR OF THE STATE OF CONNECTICUT VOL. 61 PG. 282
 - DRAINAGE EASEMENTS TO THE STATE OF CONNECTICUT VOL. 61 PG. 554
 - EASEMENT IN FAVOR OF THE STATE OF CONNECTICUT VOL. 66 PG. 148
 - DRAINAGE EASEMENT VOL. 89 PG. 612
- A PRINT OR MYLAR OF THIS MAP IS NOT VALID UNLESS IT CONTAINS THE SEAL AND LIVE SIGNATURE OF THE SURVEYOR

I HAVE REVIEWED THE WETLANDS ON THE PROPERTY IN THE FIELD AND HAVE REVIEWED THE WETLANDS AS SHOWN ON THE PLAN AND FIND THAT THEY SUBSTANTIALLY REPRESENT THE WETLANDS AS DELINEATED IN THE FIELD.

ROBERT C. RUSSO
CERTIFIED SOIL SCIENTIST

TO MY KNOWLEDGE AND BELIEF THIS PLAN IS SUBSTANTIALLY CORRECT AS NOTED OR DEPICTED HEREON.

RYAN J. CHEVERIE, L.L.S. #70454



		CLA Engineers, Inc. CIVIL • STRUCTURAL • SURVEYING 317 Main Street Norwich, CT 06360 (860) 886-1966 Fax (860) 886-9165		Project No.	GSD - 72
				Project Surveyor	R.J.C.
		DEVINE HYDRAULICS, INC. BOUNDARY AND TOPOGRAPHIC SURVEY		Date:	NOV. 2024
				Sheet No.	1

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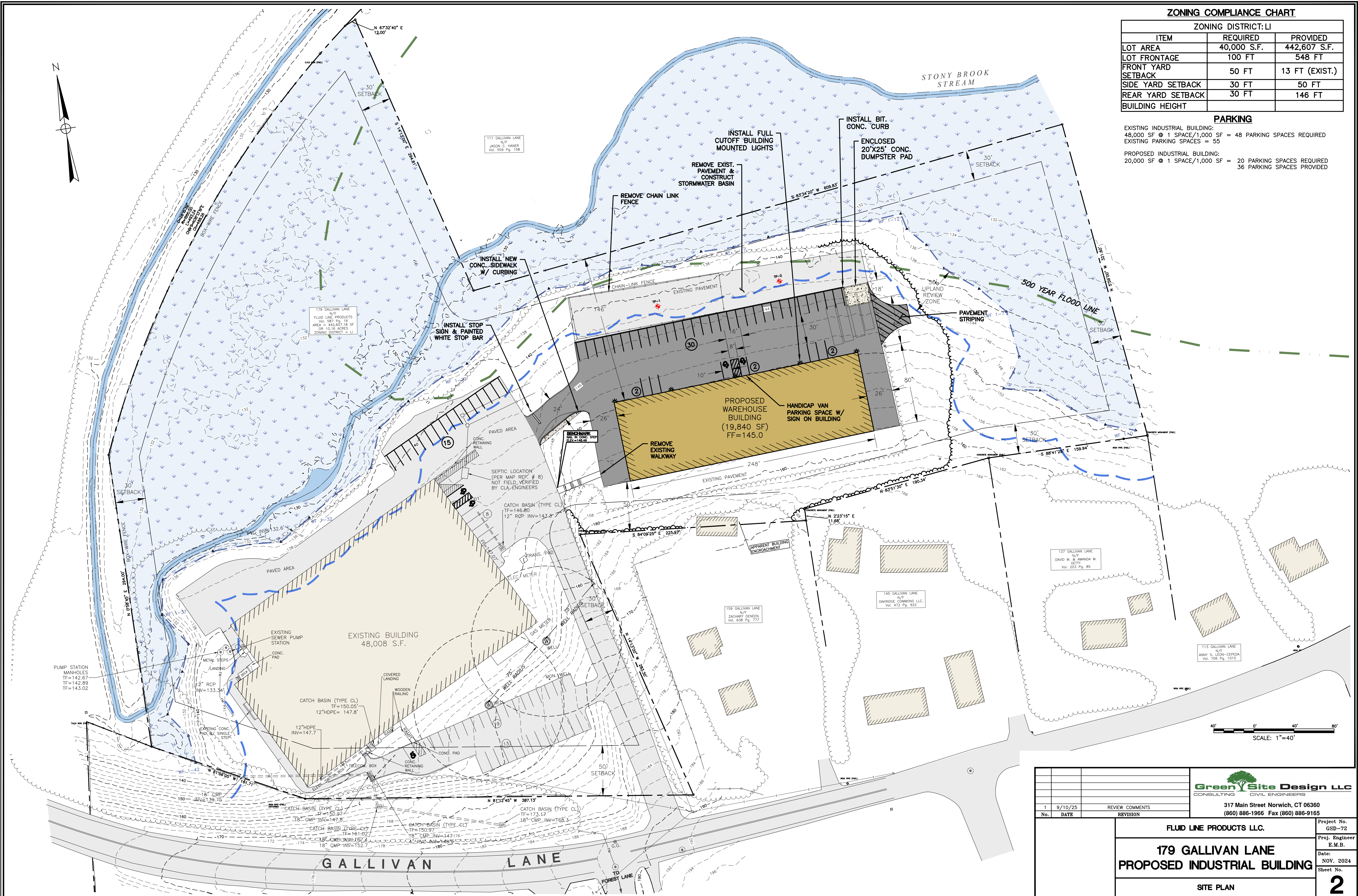
ZONING COMPLIANCE CHART

ZONING DISTRICT: LI		
ITEM	REQUIRED	PROVIDED
LOT AREA	40,000 S.F.	442,607 S.F.
LOT FRONTAGE	100 FT	548 FT
FRONT YARD SETBACK	50 FT	13 FT (EXIST.)
SIDE YARD SETBACK	30 FT	50 FT
REAR YARD SETBACK	30 FT	146 FT
BUILDING HEIGHT		

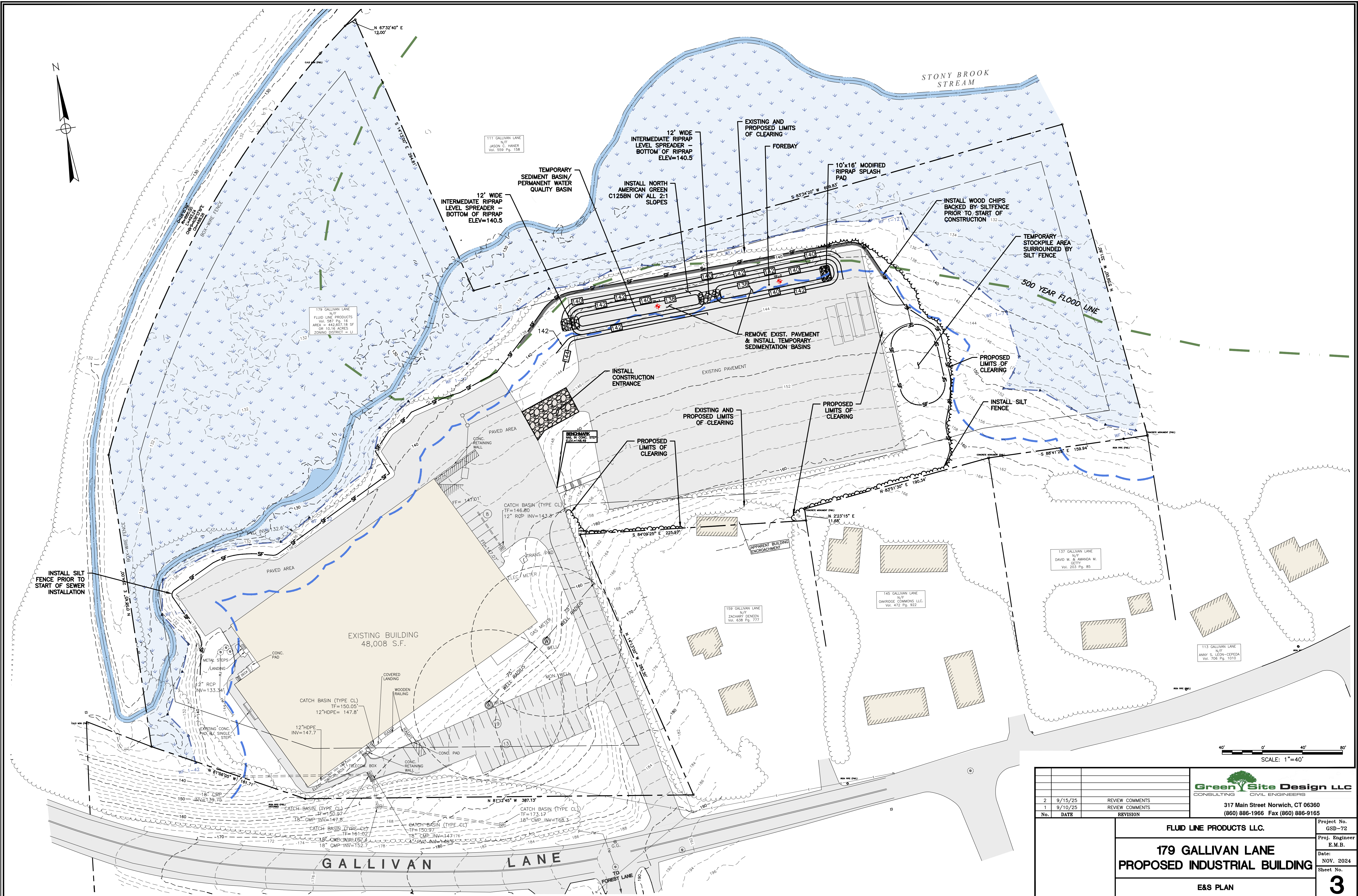
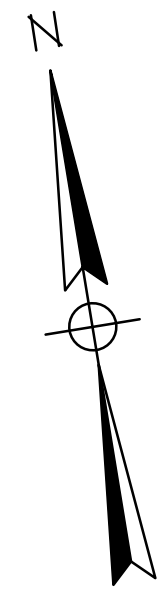
PARKING

EXISTING INDUSTRIAL BUILDING:
48,000 SF @ 1 SPACE/1,000 SF = 48 PARKING SPACES REQUIRED
EXISTING PARKING SPACES = 55

PROPOSED INDUSTRIAL BUILDING:
20,000 SF @ 1 SPACE/1,000 SF = 20 PARKING SPACES REQUIRED
36 PARKING SPACES PROVIDED



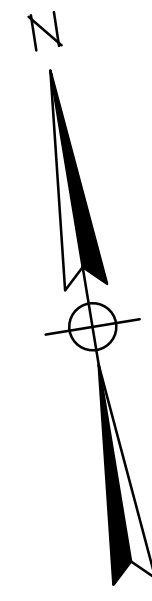
<table border="1"> <tr> <th>No.</th> <th>DATE</th> <th>REVISION</th> </tr> <tr> <td>1</td> <td>9/10/25</td> <td>REVIEW COMMENTS</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>		No.	DATE	REVISION	1	9/10/25	REVIEW COMMENTS				<p>Green Site Design LLC CONSULTING CIVIL ENGINEERS 317 Main Street Norwich, CT 06360 (860) 886-1966 Fax (860) 886-9165</p>	Project No. GSD-72
		No.	DATE	REVISION								
1	9/10/25	REVIEW COMMENTS										
<p>FLUID LINE PRODUCTS LLC.</p> <p>179 GALLIVAN LANE PROPOSED INDUSTRIAL BUILDING</p> <p>SITE PLAN</p>	Proj. Engineer E.M.B. Date: NOV. 2024 Sheet No. 2											



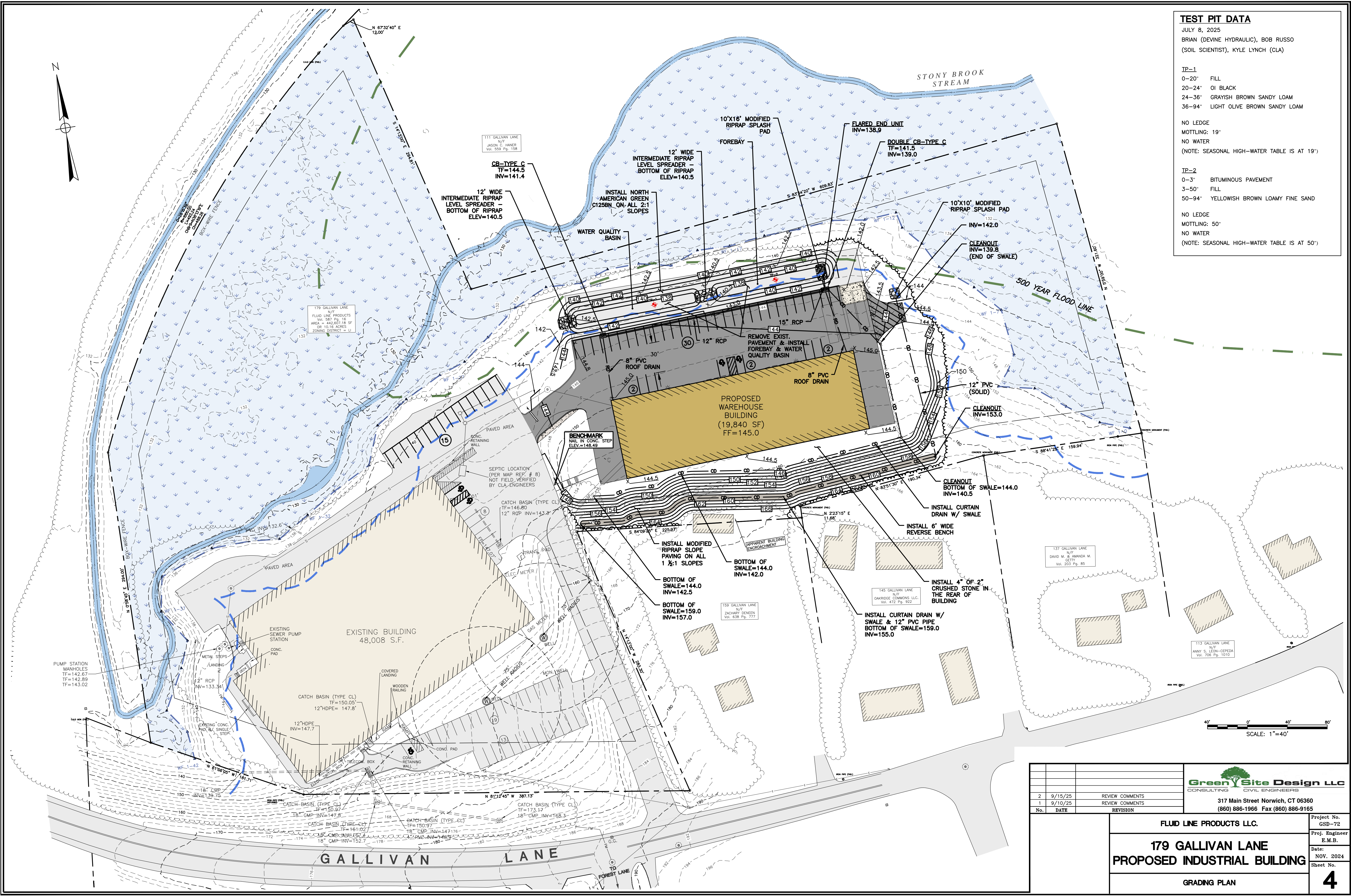
SCALE: 1"=40'

		 317 Main Street Norwich, CT 06360 (860) 886-1966 Fax (860) 886-9165		Project No. GSD-72
				Proj. Engineer E.M.B.
2	9/15/25	REVIEW COMMENTS	Fluid Line Products LLC. 179 GALLIVAN LANE PROPOSED INDUSTRIAL BUILDING E&S PLAN	Date: NOV. 2024
1	9/10/25	REVIEW COMMENTS		Sheet No. 3
No.	DATE	REVISION		

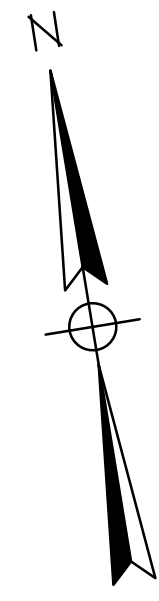
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TEST PIT DATA	
JULY 8, 2025	
BRIAN (DEVINE HYDRAULIC), BOB RUSSO (SOIL SCIENTIST), KYLE LYNCH (CLA)	
TP-1	
0-20"	FILL
20-24"	OI BLACK
24-36"	GRAYISH BROWN SANDY LOAM
36-94"	LIGHT OLIVE BROWN SANDY LOAM
NO LEDGE	
MOTTLING: 19"	
NO WATER	
(NOTE: SEASONAL HIGH-WATER TABLE IS AT 19")	
TP-2	
0-3"	BITUMINOUS PAVEMENT
3-50"	FILL
50-94"	YELLOWISH BROWN LOAMY FINE SAND
NO LEDGE	
MOTTLING: 50"	
NO WATER	
(NOTE: SEASONAL HIGH-WATER TABLE IS AT 50")	



		Green Site Design LLC CONSULTING CIVIL ENGINEERS		317 Main Street Norwich, CT 06360 (860) 886-1966 Fax (860) 886-9165	
No.	DATE	REVISION			
2	9/15/25	REVIEW COMMENTS			
1	9/10/25	REVIEW COMMENTS			
FLUID LINE PRODUCTS LLC.			Project No. GSD-72		
179 GALLIVAN LANE PROPOSED INDUSTRIAL BUILDING			Proj. Engineer E.M.B.		
			Date: NOV. 2024		
GRADING PLAN			Sheet No. 4		



STONY BROOK
STREAM

500 YEAR FLOOD LINE

111 GALLIVAN LANE
N/F
JASON C. HANER
Vol. 509 Pg. 138

179 GALLIVAN LANE
N/F
FLUID LINE PRODUCTS
Vol. 287 Pg. 16
AREA = 242,627.18 SF
OR 10.16 ACRES
ZONING DISTRICT = U-1

SEWER MANHOLE
TF=144.0
INV=140.9

BENCHMARK
ELEV.=145.40

PROPOSED WAREHOUSE BUILDING
(19,840 SF)
FF=145.0

FULL-CUTOFF BUILDING MOUNTED LIGHT (TYP.)

2" PVC WATER LINE

PROPOSED UNDERGROUND ELECTRIC & TELEPHONE CONDUITS

SEWER MANHOLE
TF=139.0
INV=137.3

8" PVC SEWER PIPE

EXISTING BUILDING
48,008 S.F.

EXIST. SEWER FORCE MAIN

CONTRACTOR TO VERIFY EXIST. INVERT INTO PUMP STATION PRIOR TO START OF CONSTRUCTION

PUMP STATION MANHOLES
TF=142.67
TF=142.89
TF=143.02

EXIST. SEWER FORCE MAIN FROM PUMP STATION TO MANHOLE AT INTERSECTION OF GALLIVAN LN & FOREST LN

SCALE: 1"=40'

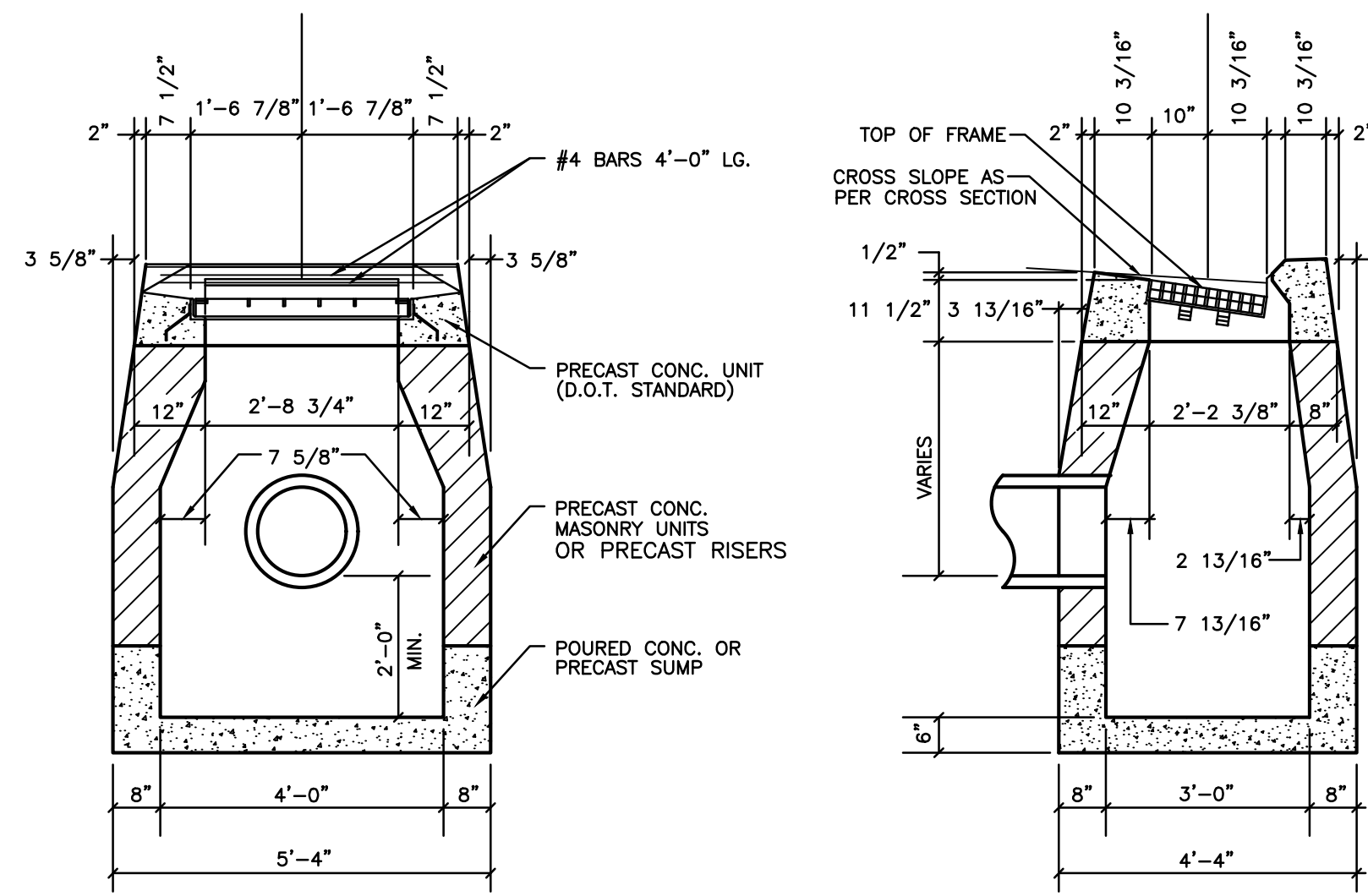
No.	DATE	REVISION
2	9/15/25	REVIEW COMMENTS
1	9/10/25	REVIEW COMMENTS

Green Site Design LLC
CONSULTING CIVIL ENGINEERS
317 Main Street Norwich, CT 06360
(860) 886-1966 Fax (860) 886-9165

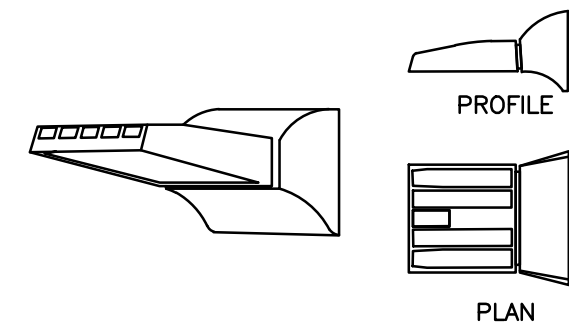
Project No. GSD-72	
Proj. Engineer E.M.B.	
Date: NOV. 2024	
Sheet No. 5	

FLUID LINE PRODUCTS LLC.
**179 GALLIVAN LANE
PROPOSED INDUSTRIAL BUILDING**
UTILITIES PLAN

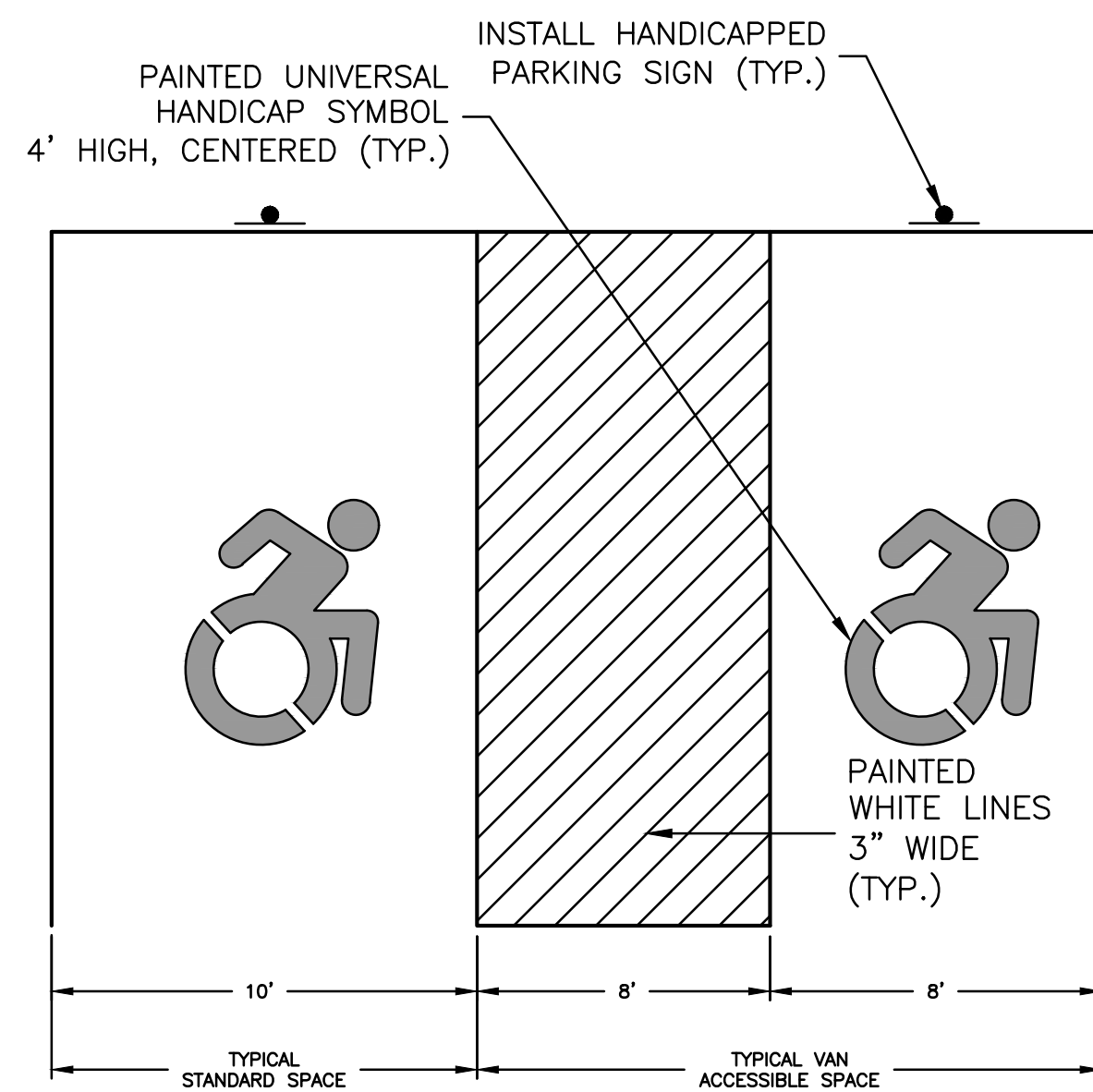
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TYPE "C" CATCH BASIN DETAIL
NOT TO SCALE

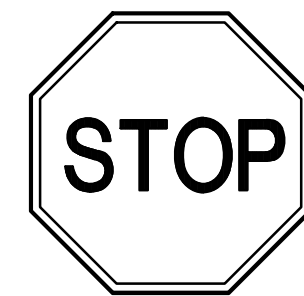


WALLPACK
NOT TO SCALE



NOTE: ALL ADA ACCESSIBLE SIGNING, DIMENSIONS AND SPACE MARKINGS SHALL BE IN ACCORDANCE WITH CGS 14-253az(h) AND THE 2018 PORTION OF THE STATE BUILDING CODE

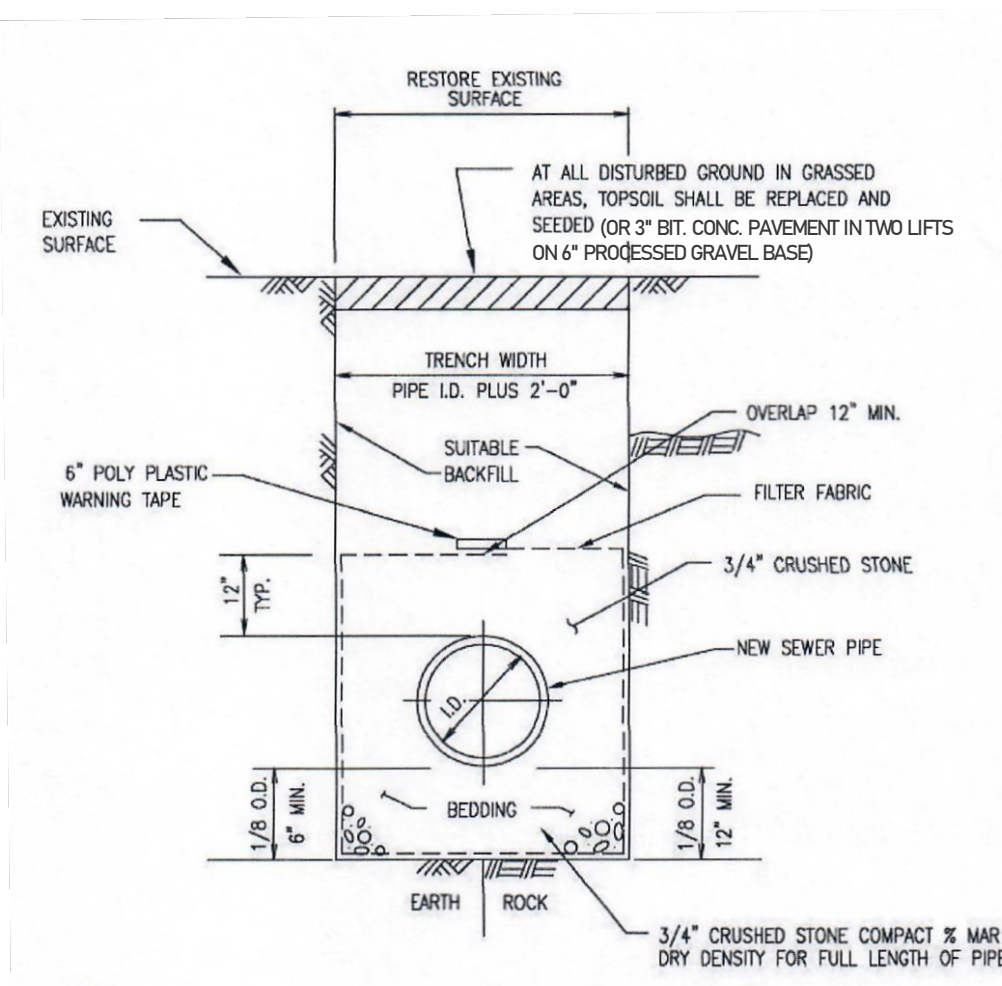
ADA ACCESSIBLE PARKING SPACE DETAIL
NOT TO SCALE



NOTE: SIGNS TO BE INSTALLED IN ACCORDANCE WITH STATE OF CONNECTICUT D.O.T. STANDARDS

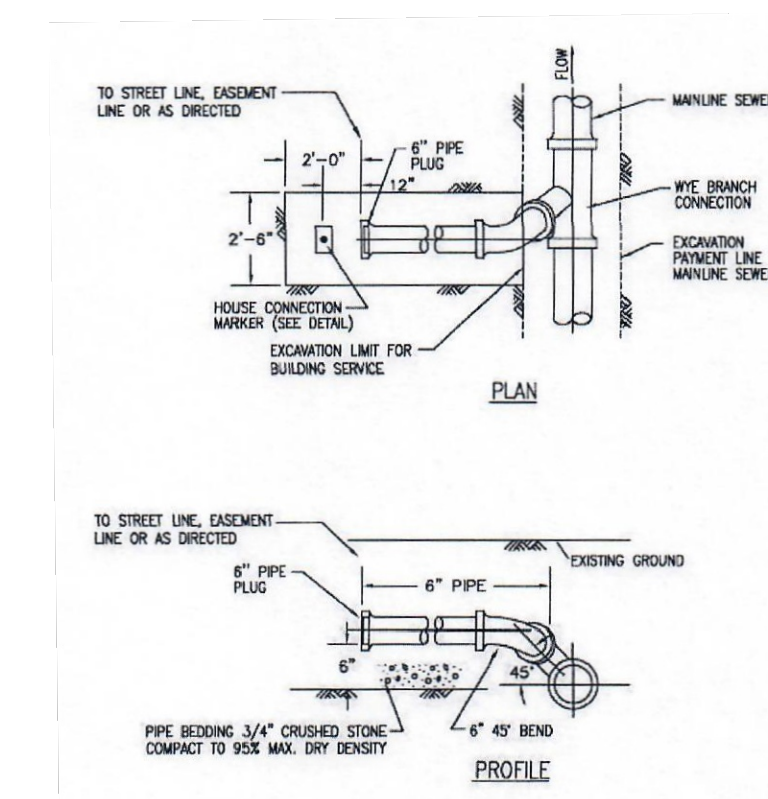
SECURE ALL SIGNS TO 1/2" DIA. GALVANIZED STEEL POST WITH (2) 1/4" DIA. GALVANIZED BOLTS (1 TOP, 1 BOTTOM) (TYP)

TRAFFIC SIGNAGE
NOT TO SCALE

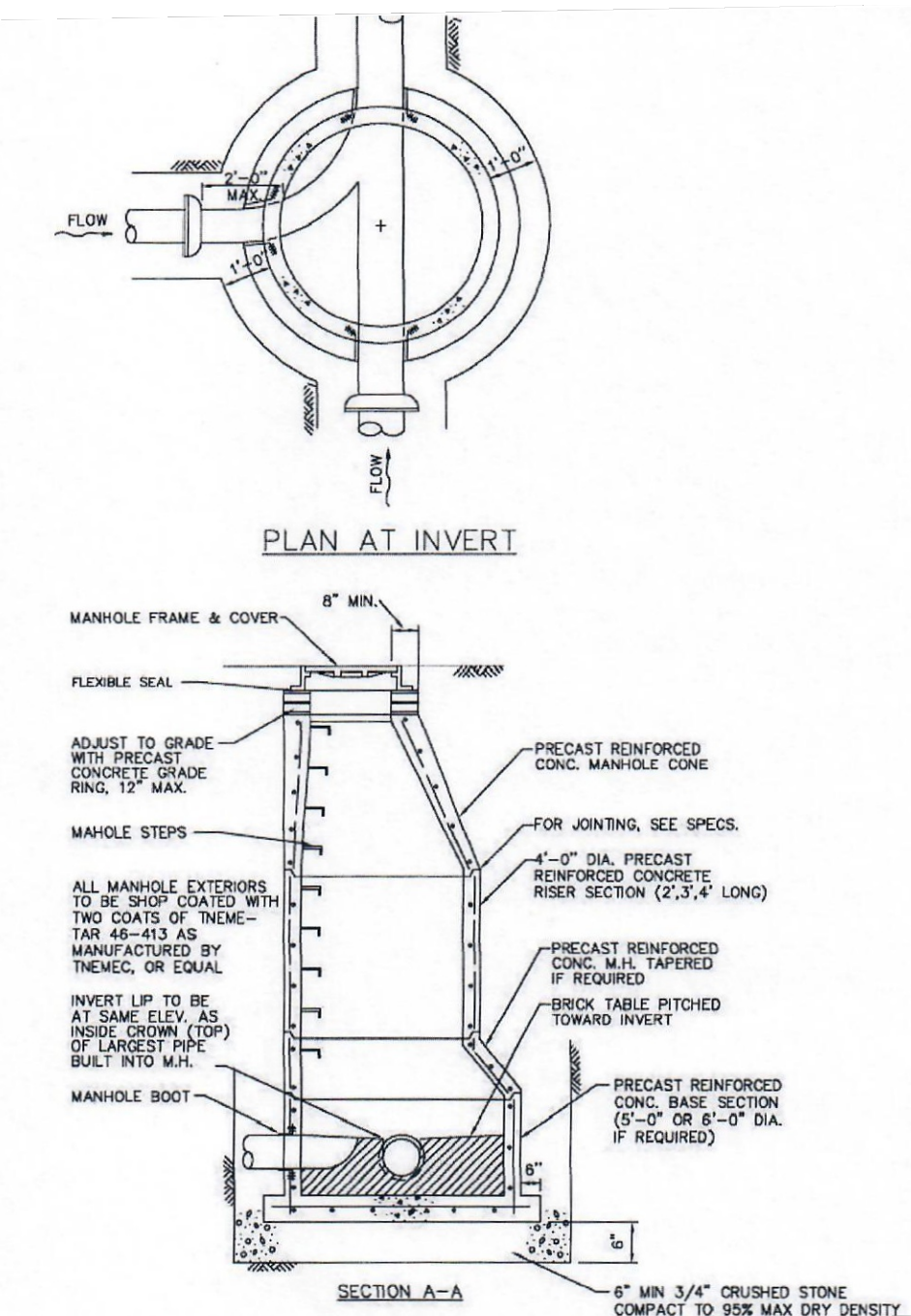


NOTE: IF THE INSPECTOR DETERMINES THAT SUITABLE GRANULAR PIPE BEDDING MATERIAL IS AVAILABLE FROM ON-SITE EXCAVATIONS, IT MAY BE UTILIZED AS SELECT BACKFILL AND BEDDING.

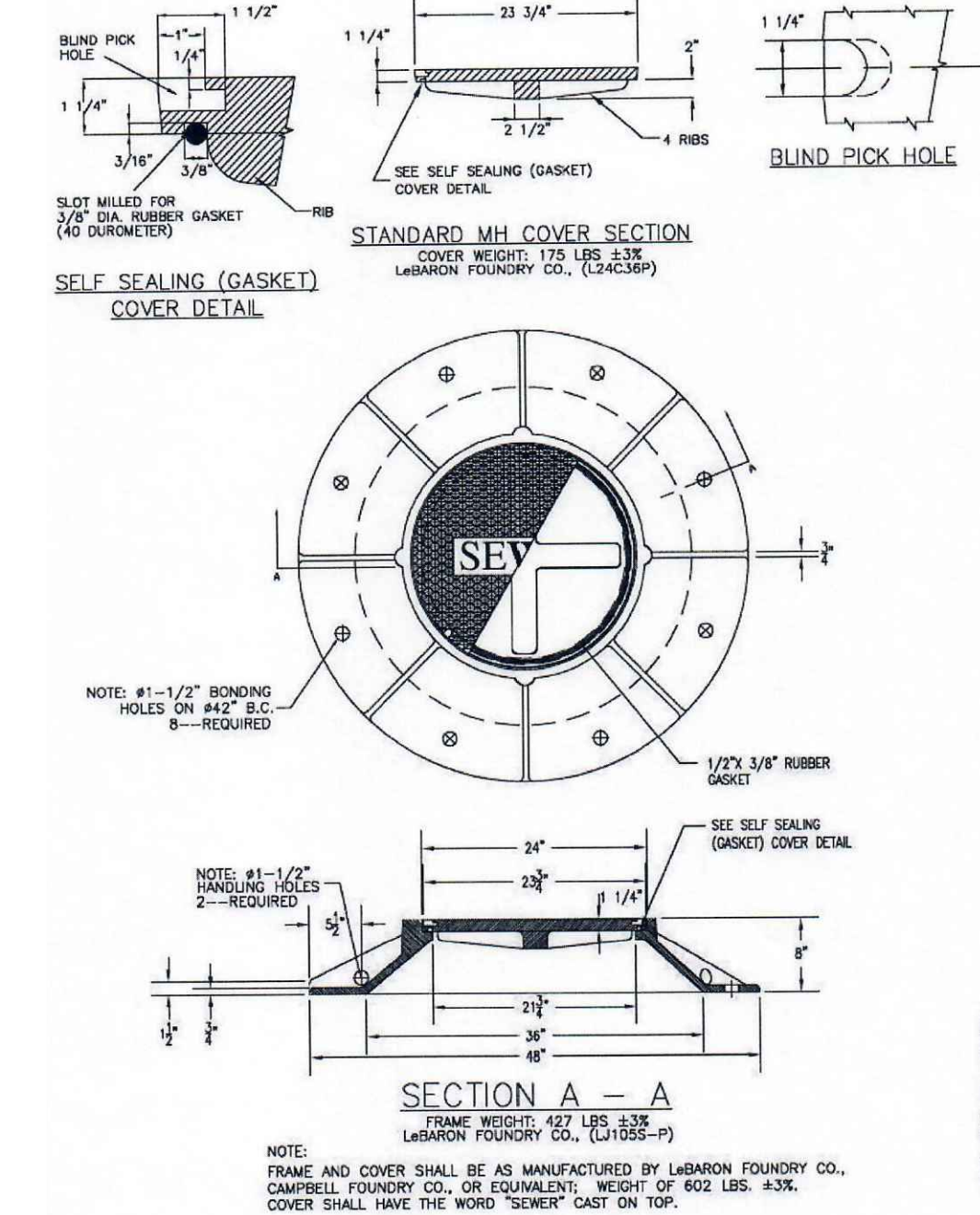
SEWER PIPE TRENCH DETAIL
NOT TO SCALE



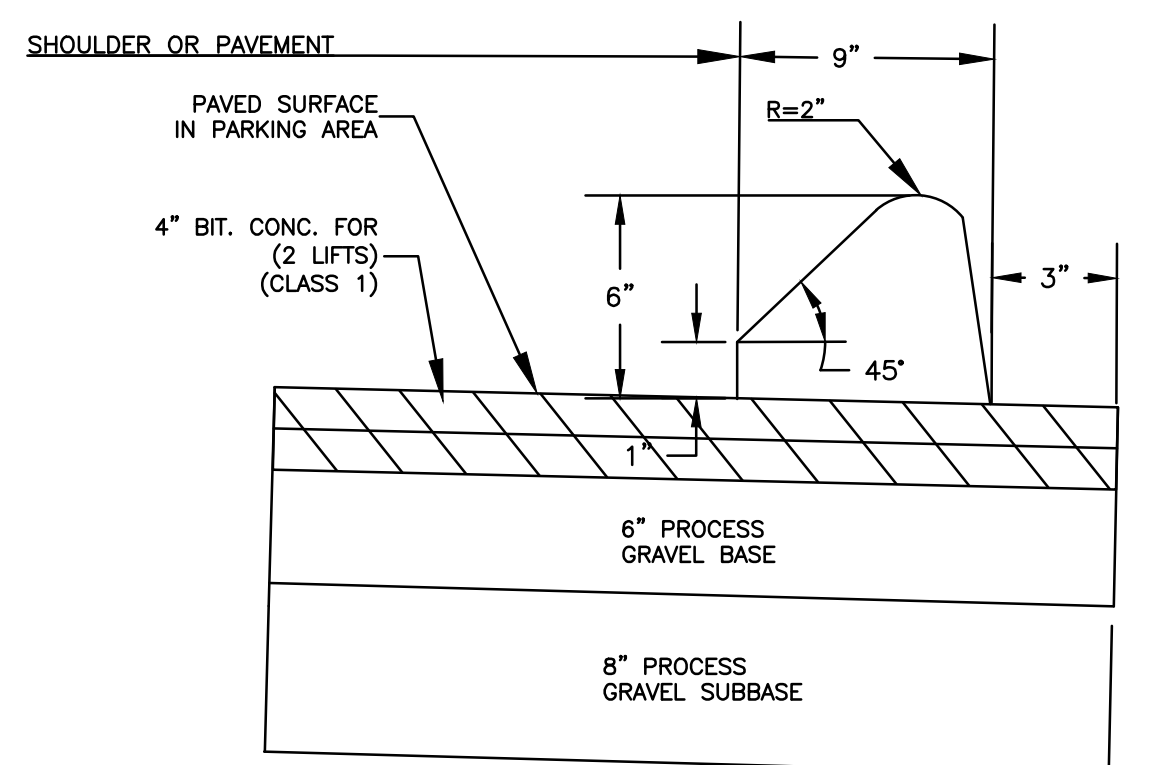
TYPICAL BUILDING SERVICE DETAIL
NOT TO SCALE



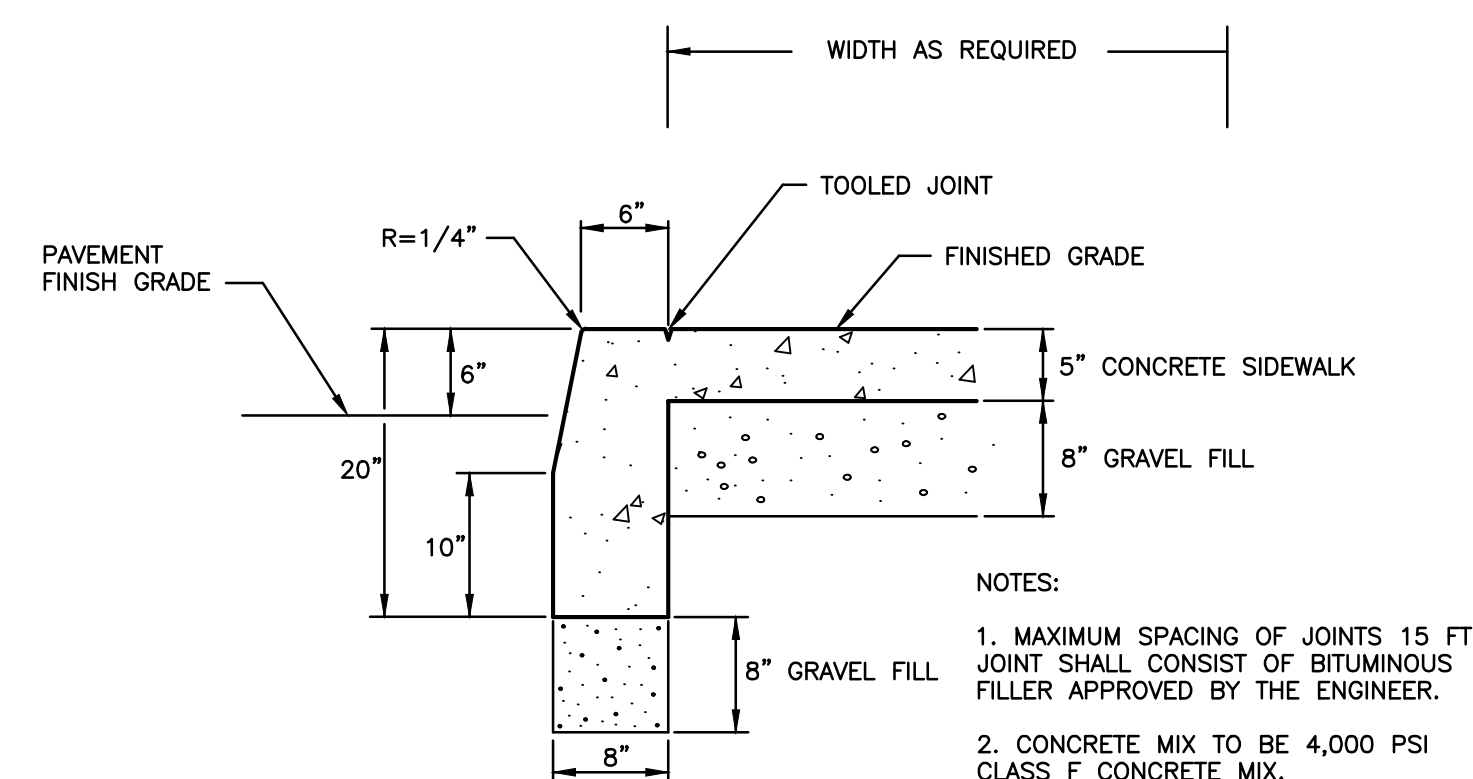
PRECAST SANITARY MANHOLE
NOT TO SCALE



FRAME & COVER DETAIL (STANDARD FRAME AND COVER)
NOT TO SCALE



BITUMINOUS CONCRETE PAVEMENT & LIP CURBING
NOT TO SCALE



CONCRETE SIDEWALK WITH CURBING DETAIL (SINGLE POUR)
NOT TO SCALE

NOTES:
1. MAXIMUM SPACING OF JOINTS 15 FT
JOINT SHALL CONSIST OF BITUMINOUS FILLER APPROVED BY THE ENGINEER.
2. CONCRETE MIX TO BE 4,000 PSI CLASS F CONCRETE MIX.

		Green Site Design LLC CONSULTING CIVIL ENGINEERS		317 Main Street Norwich, CT 06360 (860) 886-1966 Fax (860) 886-9165	
No.	DATE	REVISION		Project No. GSD-72	
1	9/15/25	REVIEW COMMENTS		Proj. Engineer E.M.B.	
				Date: NOV. 2024	
				Sheet No. 6	
FLUID LINE PRODUCTS LLC.					
179 GALLIVAN LANE					
PROPOSED INDUSTRIAL BUILDING					
SITE DETAILS					

EROSION CONTROL & SEDIMENTATION NARRATIVE

- PRIOR TO THE INSTALLATION OF ANY EROSION AND SEDIMENT CONTROL MEASURES, THE OWNER AND CONTRACTOR SHALL MEET WITH THE TOWN OF MONTVILLE ZONING & WETLANDS OFFICER.
- THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE. ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED TO BE NECESSARY BY THE ZONING & WETLANDS OFFICER.
- THE CONTRACTOR SHALL CONTACT THE ZONING & WETLANDS OFFICER FOR INSPECTION OF THE SEDIMENT AND EROSION CONTROL MEASURES, PRIOR TO SITE DISTURBANCE. CONSTRUCTION SHALL NOT BEGIN UNTIL SUCH TIME AS THE ZONING & WETLANDS OFFICER HAS REVIEWED AND APPROVED THE INSTALLATION OF THE SEDIMENTATION AND EROSION CONTROL MEASURES.
- CONTRACTOR TO INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES AT LEAST WEEKLY AND AFTER EVERY STORM EVENT AND REPAIR AND MAINTAIN AS NECESSARY.
- CONSTRUCT TEMPORARY SEDIMENT BASINS.
- CLEARING AND GRUBBING OF THE AREA TO BE GRADED. TOPSOIL TO BE REMOVED AND STOCKPILED IN AN AREA AS SHOWN ON THE PLANS.
- STAKED HAY BALE SILT BARRIERS OR SILT FENCE SHALL BE INSTALLED AROUND ANY TEMPORARY STOCKPILE AREAS.
- SIDE SLOPES SHALL BE GRADED TO ROUGH GRADE AS SHOWN ON THE PLANS. NORTH AMERICAN GREEN C125BM TO BE INSTALLED ON ALL 2:1 SLOPES.
- TOPSOIL SHALL BE RE-APPLIED TO PROVIDE A MINIMUM DEPTH OF FOUR INCHES.
- ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS RE-ESTABLISHED.
- SEEDING SHOULD TAKE PLACE BETWEEN APRIL 1 AND JUNE 1 OR AUGUST 15 AND OCTOBER 1.
- THE FOLLOWING SEEDING MIXTURES SHALL BE PROVIDED ON ALL DISTURBED AREAS:

GENERAL:	
KENTUCKY BLUEGRASS	20 LBS/AC
CREeping RED FESCUE	20 LBS/AC
PERENNIAL RYEGRASS	5 LBS/AC

ONCE THE SITE IS STABILIZED, THE FOREBAY & WATER QUALITY BASIN AND RIPRAP SHALL BE RECONSTRUCTED & ALL SEDIMENT REMOVED PRIOR TO FINAL INSTALLATION OF NORTH AMERICAN GREEN C125BN.

- UNFORESEEN PROBLEMS WHICH ARE ENCOUNTERED IN THE FIELD SHALL BE SOLVED ACCORDING TO CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

BASIN TOPSOIL MIX

CONNECTICUT STORMWATER QUALITY MANUAL
THE ENGINEERED BIOTRETENTION SOIL MEDIA SHOULD BE A HOMOGENEOUS SOIL MIX OF (BY VOLUME):

- 60-85% SAND
- 15-25% TOPSOIL
- 3-8% ORGANIC MATTER

POLLUTION PREVENTION PLAN

1. POLLUTION PREVENTION TEAM

THE OWNERS WILL BE RESPONSIBLE FOR CARRYING OUT THE PROVISIONS OF THIS PLAN. PARKING LOTS, SIDEWALKS AND OTHER IMPERVIOUS SURFACES SHALL BE SWEEPED CLEAN OF SAND AND LITTER AND ANY OTHER POLLUTANTS AT LEAST TWICE A YEAR:

- BETWEEN NOVEMBER 15 AND DECEMBER 15 (AFTER LEAF FALL)
- DURING APRIL (AFTER SNOW MELT)

NO WASHING VEHICLES OR EQUIPMENT IN PARKING AREAS.

2. MAINTENANCE AND INSPECTION

- MONTHLY INSPECTION OF STORM WATER STRUCTURES AND OUTFALLS.
- CLEAN SEDIMENT AND DEBRIS FROM STRUCTURES AND OUTFALLS TWICE PER YEAR - IN THE FALL & SPRING.

3. STORMWATER BASIN

- CLEAN SEDIMENT AND DEBRIS FROM BASIN TWICE A YEAR, DURING APRIL AND OCTOBER.

4. SPILL OR ACCIDENTAL DISCHARGE

COMPLY WITH STATE AND FEDERAL REGULATIONS TO CONTAIN AND CLEAN UP ANY SPILL OR DISCHARGE AND DISPOSE OF MATERIALS AT AN APPROVED FACILITY. CONTACT CONNECTICUT DEP OIL AND CHEMICAL SPILL RESPONSE DIVISION (860) 424-3338 AND THE MONTVILLE FIRST SELECTMAN. IN THE EVENT A SPILL OCCURS, THE FOLLOWING STEPS SHOULD BE PERFORMED AS SOON AS POSSIBLE:

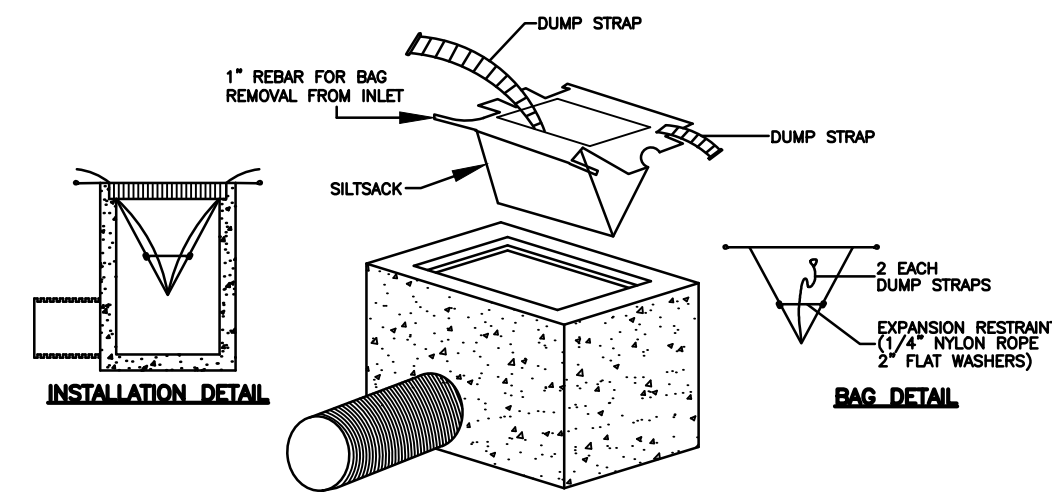
- STOP THE SOURCE OF THE SPILL
- CONTAIN THE SPILL
- COVER SPILL WITH ABSORBENT MATERIAL SUCH AS KITTY LITER, SAWDUST OR OIL ABSORBENT PADS. DO NOT USE STRAW.
- DISPOSE OF ABSORBENT IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.

- BEST MANAGEMENT PRACTICES FOR FUTURE UPKEEP OF THE SITE WILL INCLUDE NON-CHEMICAL LAWN CARE & MINIMAL USE OF FERTILIZERS, DE-ICING OR WINTER OPERATIONS WITHOUT THE USE OF CALCIUM, AND NO EXTERIOR WASHING OF VEHICLES OR DISCHARGING OF INTERIOR WASH WATER.

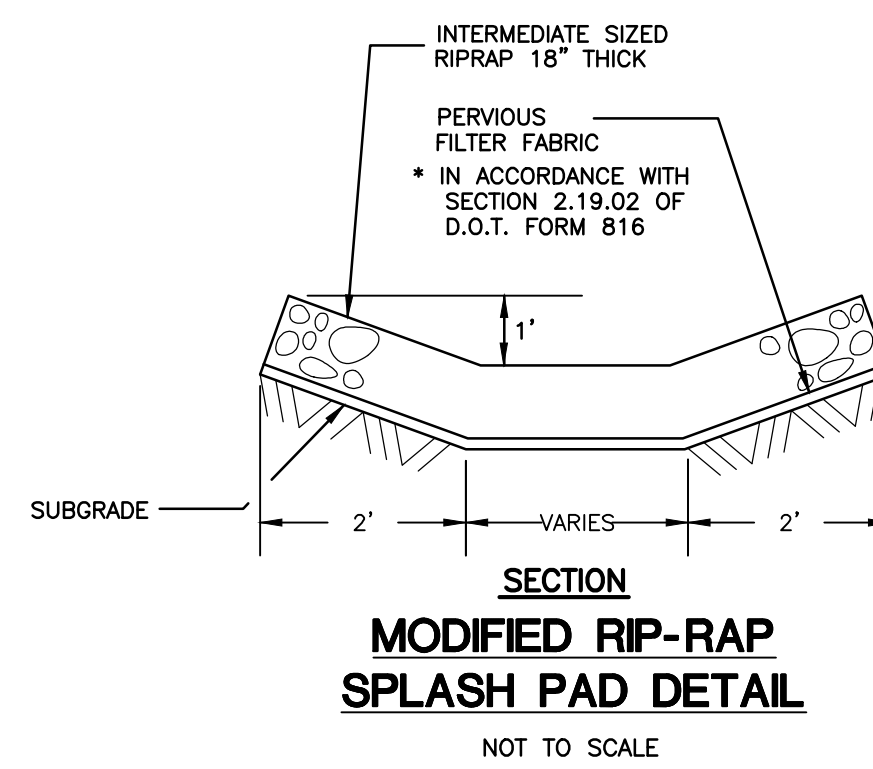
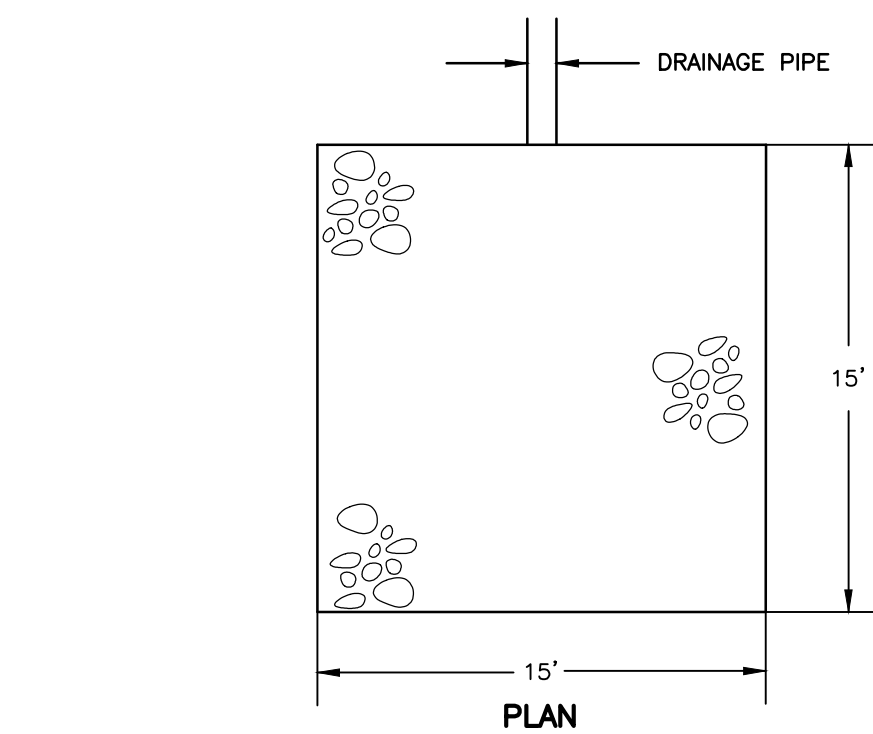
OPERATION AND MAINTENANCE OF DRAINAGE SYSTEM

- THE PROPERTY OWNER IS RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE DRAINAGE SYSTEM. THE OWNER IS: FLUID LINE PRODUCTS LLC, 179 GALLIVAN LANE UNCASVILLE CT 06382, 860-639-1650 (CELL)

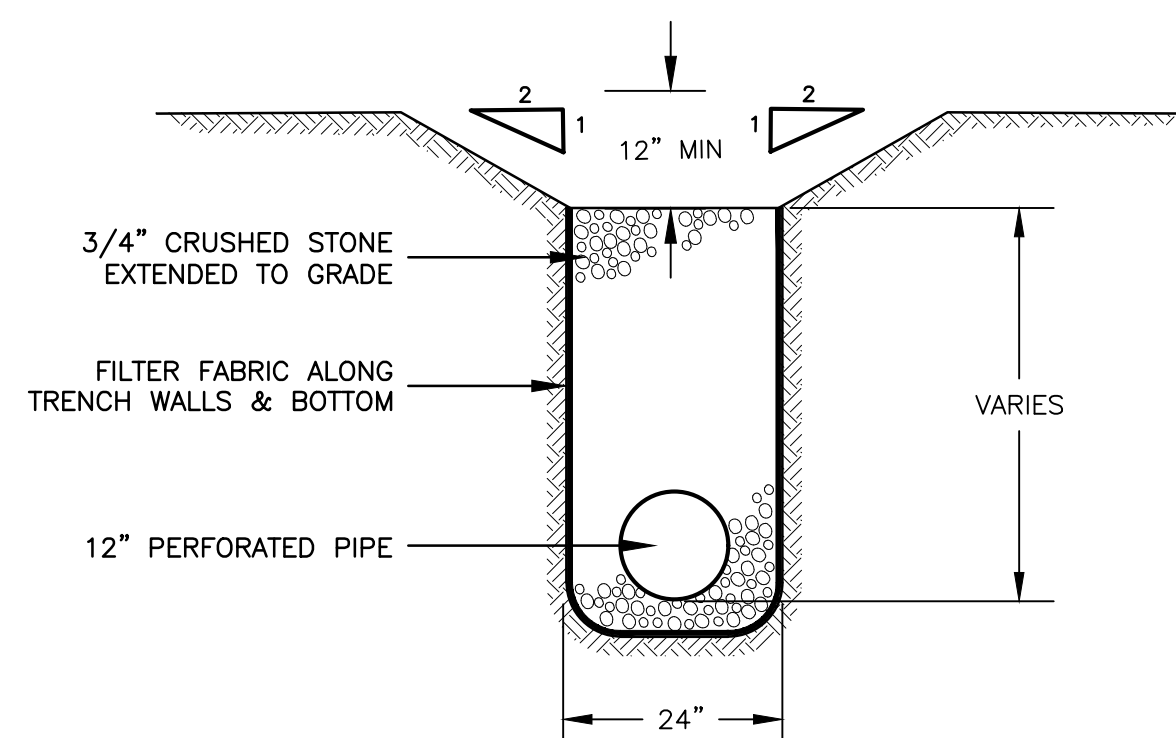
- ALL CATCH BASINS, STORMWATER BASIN, AND RIPRAP SPLASH PADS SHALL BE INSPECTED AND CLEANED OUT TWICE A YEAR, IN THE FALL AFTER THE LEAVES HAVE FALLEN AND IN THE SPRING; AND ALL SEDIMENTS ARE TO BE REMOVED AND INSPECTED FOR MAINTENANCE AND MAINTAINED IF NEEDED.



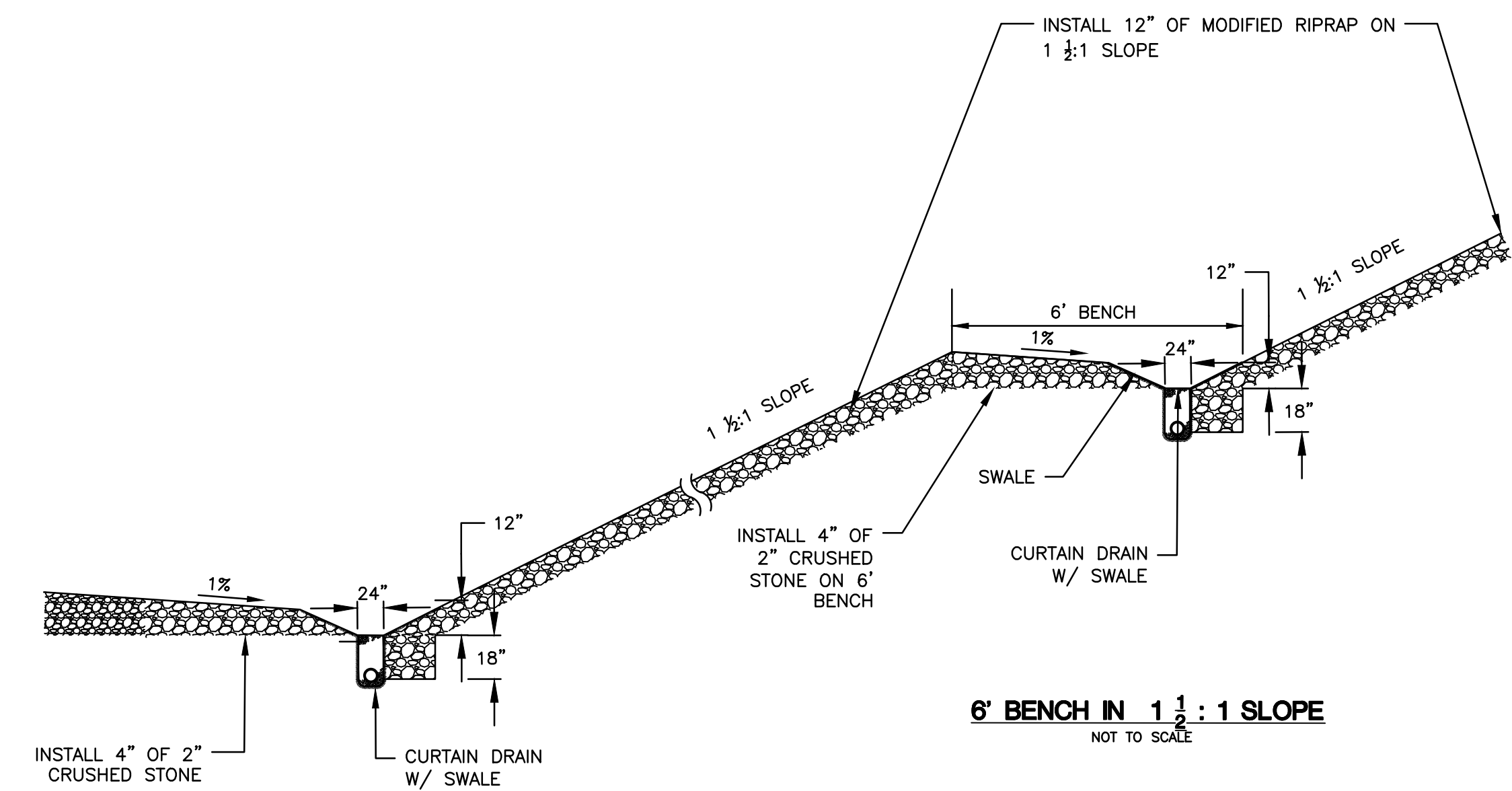
INLET SEDIMENT CONTROL DEVICE DETAIL
NOT TO SCALE



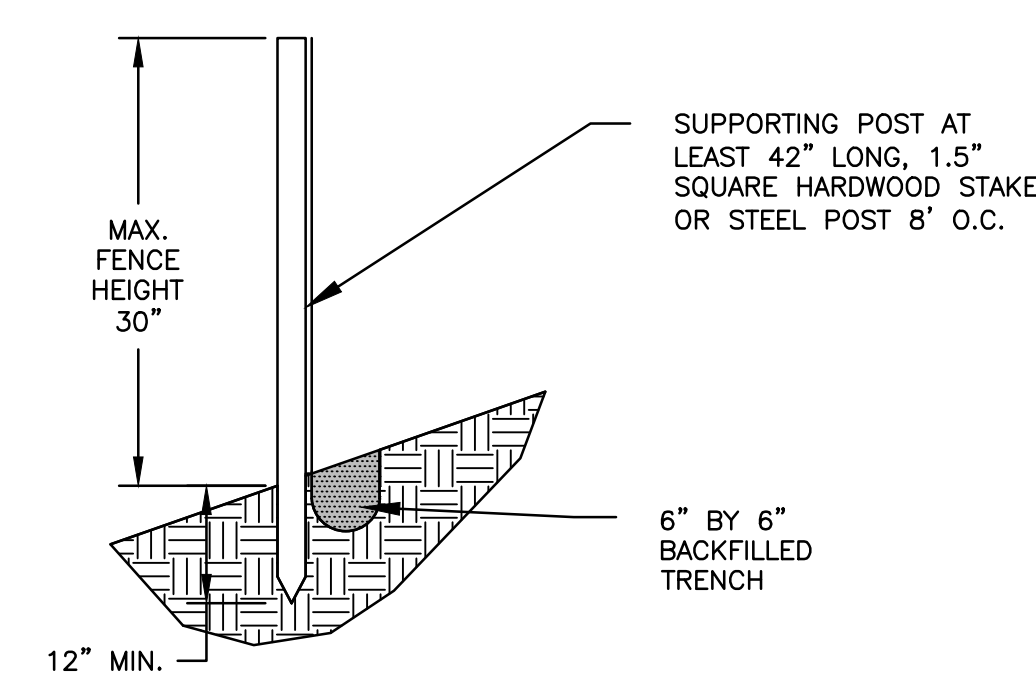
MODIFIED RIP-RAP SPLASH PAD DETAIL
NOT TO SCALE



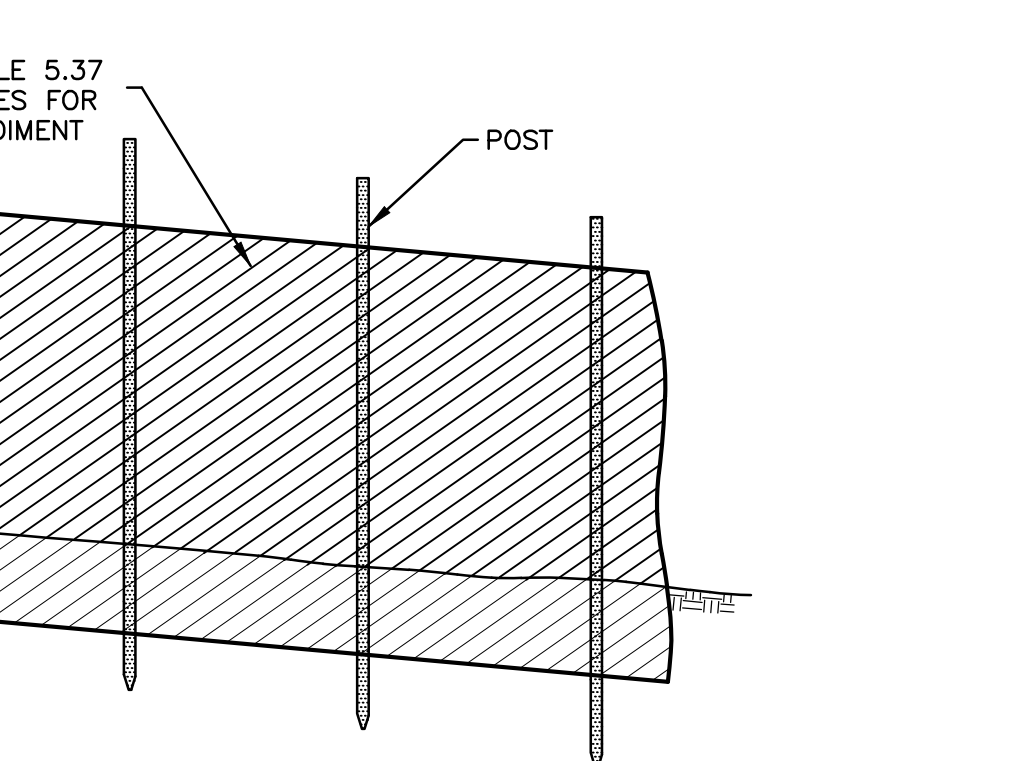
CURTAIN DRAIN DETAIL
NOT TO SCALE



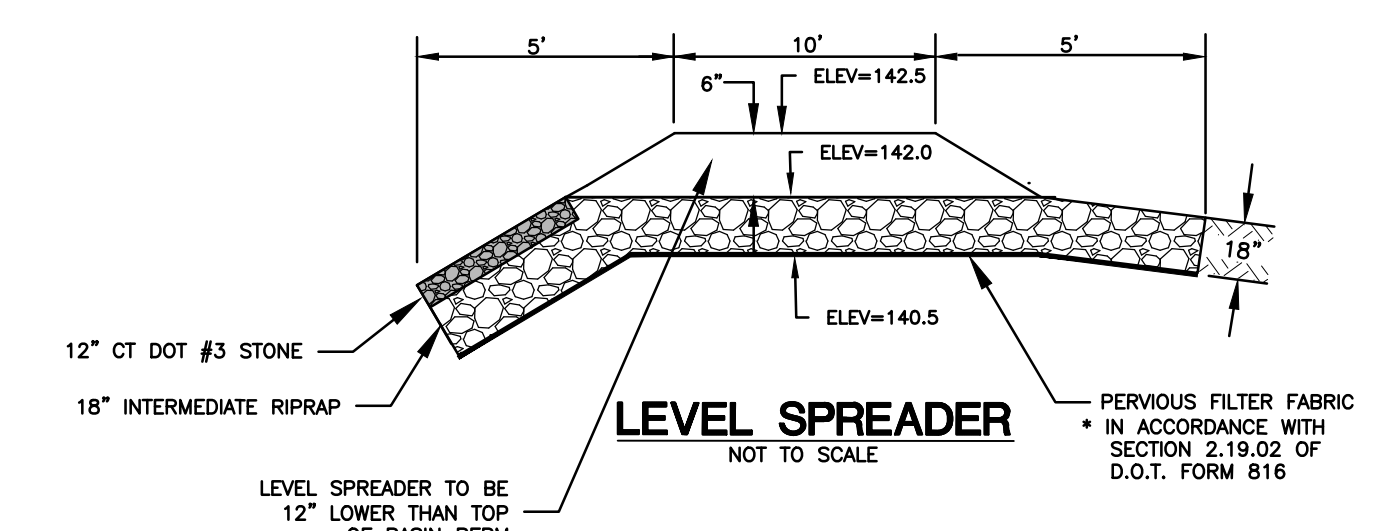
6' BENCH IN 1 1/2 : 1 SLOPE
NOT TO SCALE



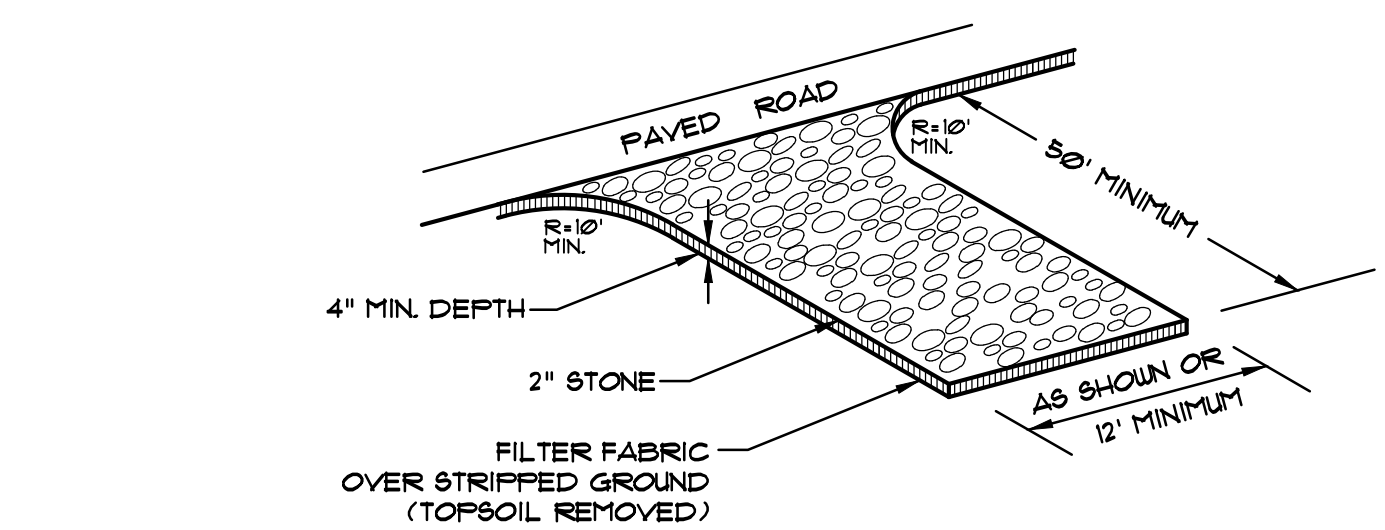
SUPPORTING POST AT LEAST 42\"/>



WOODCHIP BERM WITH SILT FENCE
NOT TO SCALE



LEVEL SPREADER
NOT TO SCALE

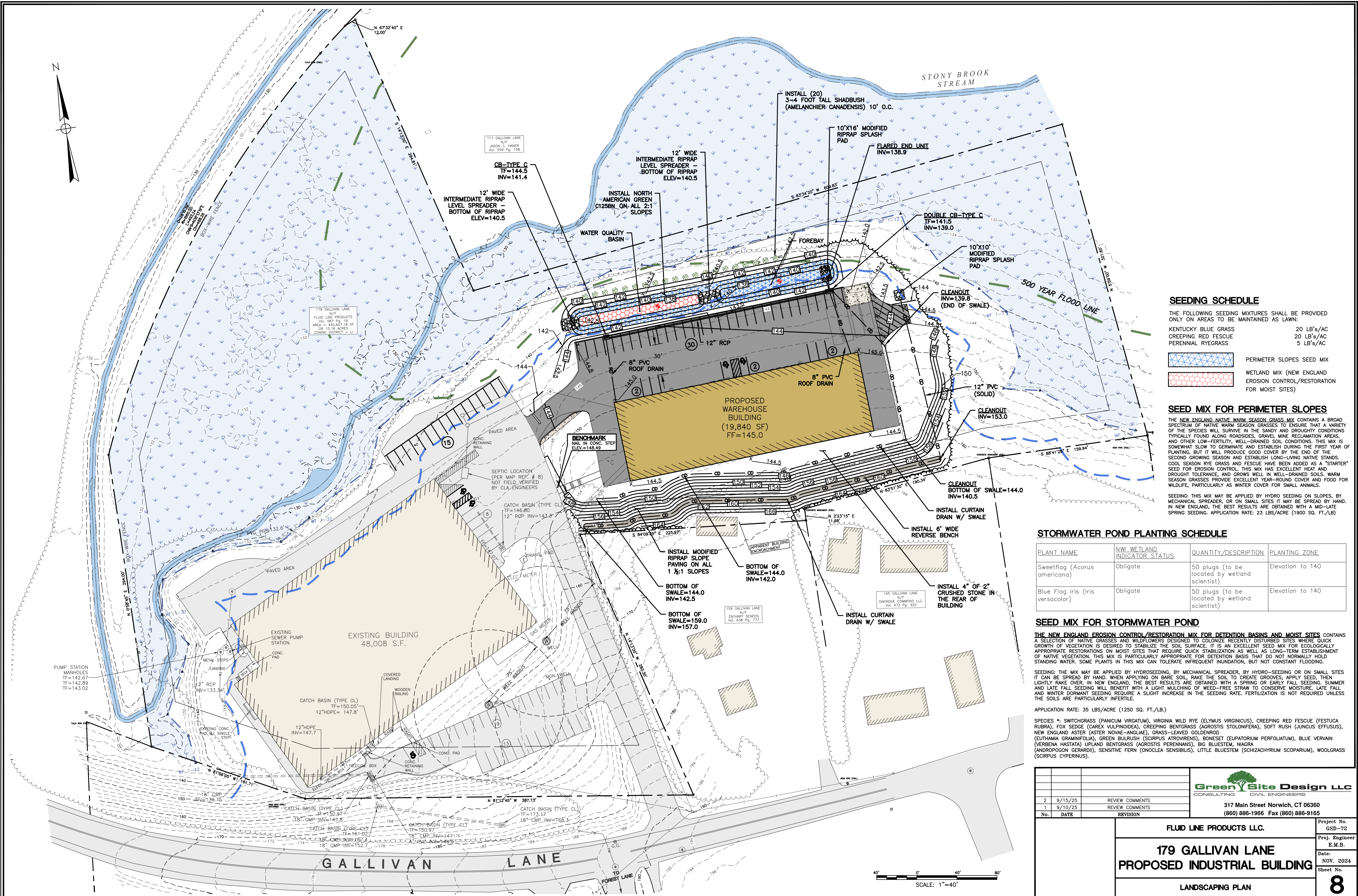
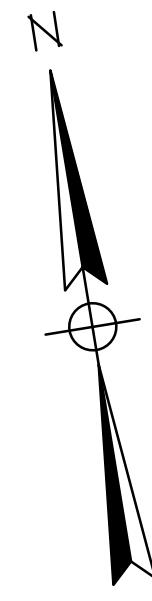


CONSTRUCTION ENTRANCE
NOT TO SCALE

No.	DATE	REVISION
2	9/15/25	REVIEW COMMENTS
1	9/10/25	REVIEW COMMENTS

Green Site Design LLC
CONSULTING CIVIL ENGINEERS
317 Main Street Norwich, CT 06360
(860) 886-1966 Fax (860) 886-9165

FLUID LINE PRODUCTS LLC.	Project No. GSD-72
179 GALLIVAN LANE PROPOSED INDUSTRIAL BUILDING	Proj. Engineer E.M.B.
	Date: NOV. 2024
E&S DETAILS	7



SEEDING SCHEDULE

THE FOLLOWING SEEDING MIXTURES SHALL BE PROVIDED ONLY ON AREAS TO BE MAINTAINED AS LAWN:
KENTUCKY BLUE GRASS 20 LB's/AC
CREEPING RED FESCUE 20 LB's/AC
PERENNIAL RYEGRASS 5 LB's/AC

- PERIMETER SLOPES SEED MIX
- WETLAND MIX (NEW ENGLAND EROSION CONTROL/RESTORATION FOR MOIST SITES)

SEED MIX FOR PERIMETER SLOPES

THE NEW ENGLAND NATIVE WARM SEASON GRASS MIX CONTAINS A BROAD SPECTRUM OF NATIVE WARM SEASON GRASSES TO ENSURE THAT A VARIETY OF THE SPECIES WILL SURVIVE IN THE SANDY AND DROUGHTY CONDITIONS TYPICALLY FOUND ALONG ROADSIDES, GRAVEL MINE RECLAMATION AREAS, AND OTHER LOW-FERTILITY, WELL-DRAINED SOIL CONDITIONS. THIS MIX IS SOMEWHAT SLOW TO GERMINATE AND ESTABLISH DURING THE FIRST YEAR OF PLANTING, BUT IT WILL PRODUCE GOOD COVER BY THE END OF THE SECOND GROWING SEASON AND ESTABLISH LONG-LIVING NATIVE STANDS. COOL SEASON RYE GRASS AND FESCUE HAVE BEEN ADDED AS A "STARTER" SEED FOR EROSION CONTROL. THIS MIX HAS EXCELLENT HEAT AND DROUGHT TOLERANCE, AND GROWS WELL IN WELL-DRAINED SOILS. WARM SEASON GRASSES PROVIDE EXCELLENT YEAR-ROUND COVER AND FOOD FOR WILDLIFE, PARTICULARLY AS WINTER COVER FOR SMALL ANIMALS.

SEEDING: THIS MIX MAY BE APPLIED BY HYDRO SEEDING ON SLOPES, BY MECHANICAL SPREADER, OR ON SMALL SITES IT MAY BE SPREAD BY HAND. IN NEW ENGLAND, THE BEST RESULTS ARE OBTAINED WITH A MID-LATE SPRING SEEDING. APPLICATION RATE: 23 LBS/ACRE (1900 SQ. FT./LB)

STORMWATER POND PLANTING SCHEDULE

PLANT NAME	NWI WETLAND INDICATOR STATUS	QUANTITY/DESCRIPTION	PLANTING ZONE
Sweetflag (<i>Acorus americana</i>)	Obligate	50 plugs (to be located by wetland scientist)	Elevation to 140
Blue Flag Iris (<i>Iris versicolor</i>)	Obligate	50 plugs (to be located by wetland scientist)	Elevation to 140

SEED MIX FOR STORMWATER POND

THE NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES CONTAINS A SELECTION OF NATIVE GRASSES AND WILDFLOWERS DESIGNED TO COLONIZE RECENTLY DISTURBED SITES WHERE QUICK GROWTH OF VEGETATION IS DESIRED TO STABILIZE THE SOIL SURFACE. IT IS AN EXCELLENT SEED MIX FOR ECOLOGICALLY APPROPRIATE RESTORATIONS ON MOIST SITES THAT REQUIRE QUICK STABILIZATION AS WELL AS LONG-TERM ESTABLISHMENT OF NATIVE VEGETATION. THIS MIX IS PARTICULARLY APPROPRIATE FOR DETENTION BASINS THAT DO NOT NORMALLY HOLD STANDING WATER. SOME PLANTS IN THIS MIX CAN TOLERATE INFREQUENT INUNDATION, BUT NOT CONSTANT FLOODING.

SEEDING: THE MIX MAY BE APPLIED BY HYDROSEEDING, BY MECHANICAL SPREADER, BY HYDRO-SEEDING OR ON SMALL SITES IT CAN BE SPREAD BY HAND. WHEN APPLYING ON BARE SOIL, RAKE THE SOIL TO CREATE GROOVES, APPLY SEED, THEN LIGHTLY RAKE OVER. IN NEW ENGLAND, THE BEST RESULTS ARE OBTAINED WITH A SPRING OR EARLY FALL SEEDING. SUMMER AND LATE FALL SEEDING WILL BENEFIT WITH A LIGHT MULCHING OF WEED-FREE STRAW TO CONSERVE MOISTURE. LATE FALL AND WINTER DORMANT SEEDING REQUIRE A SLIGHT INCREASE IN THE SEEDING RATE. FERTILIZATION IS NOT REQUIRED UNLESS THE SOILS ARE PARTICULARLY INFERTILE.

APPLICATION RATE: 35 LBS/ACRE (1250 SQ. FT./LB.)

SPECIES *: SWITCHGRASS (*PANICUM VIRGATUM*), VIRGINIA WILD RYE (*ELYMUS VIRGINICUS*), CREEPING RED FESCUE (*FESTUCA RUBRA*), FOX SEDGE (*CAREX VULPINOIDEA*), CREEPING BENTGRASS (*AGROSTIS STOLONIFERA*), SOFT RUSH (*JUNCUS EFFUSUS*), NEW ENGLAND ASTER (*ASTER NOVAE-ANGLIAE*), GRASS-LEAVED GOLDENROD (*EUTHAMIA GRAMINIFOLIA*), GREEN BULRUSH (*SCIRPUS ATROVIRENS*), BONESET (*EUPATORIUM PERFORIATUM*), BLUE VERVAIN (*VERBENA HASTATA*) UPLAND BENTGRASS (*AGROSTIS PERENNANS*), BIG BLUESTEM, NIAGRA (*ANDROPOGON GERARDII*), SENSITIVE FERN (*ONOCLEA SENSIBILIS*), LITTLE BLUESTEM (*SCHIZACHYRIUM SCOPARUM*), WOOLGRASS (*SCIRPUS CYPERINUS*).

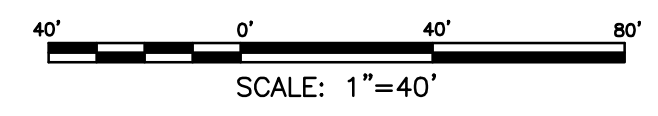
Green Site Design LLC CONSULTING CIVIL ENGINEERS		317 Main Street Norwich, CT 06360 (860) 886-1966 Fax (860) 886-9165
No.	DATE	REVISION
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FLUID LINE PRODUCTS LLC.

**179 GALLIVAN LANE
PROPOSED INDUSTRIAL BUILDING**

LANDSCAPING PLAN

Project No. GSD-72
Proj. Engineer E.M.B.
Date: NOV. 2024
Sheet No. **8**



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