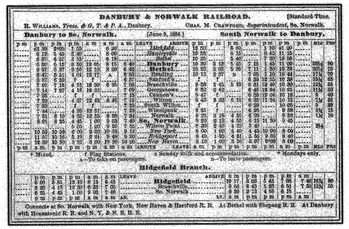
RIDGEFIELD REMEDIATION PROJECT

RECORD DRAWINGS

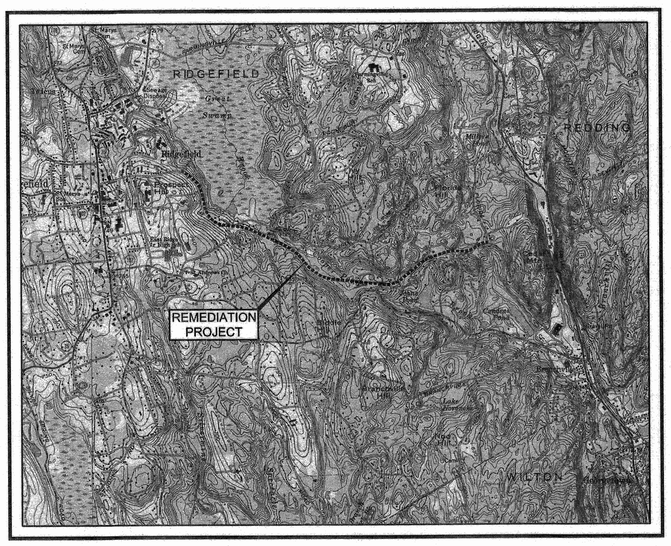
PROSPECT STREET TO FLORIDA ROAD
RIDGEFIELD, CONNECTICUT
FEBRUARY 14, 2001


DANBURY & NORWALK RAILROAD.
Danbury to So. Norwalk.
South Norwalk to Danbury.
Ridgefield Branch.

DANBURY AND NORWALK RAILROAD TIMETABLE
(INCLUDING RIDGEFIELD BRANCH)
CIRCA JUNE 1884



RIDGEFIELD RAILROAD STATION
CIRCA 1890



LOCATION MAP
SCALE: 1" = 2000' (APPROXIMATE)

SHEET INDEX

TITLE SHEET 1
INDEX PLAN 2
LAYOUT PLANS ..... 3 - 14
DETAIL SHEETS ..... 15 - 18

PREPARED FOR:

Connecticut Light & Power

PREPARED BY:

FUSS & O'NEILL INC. Consulting Engineers
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
(860) 646-2469

NO CERTIFICATION IS EXPRESSED OR IMPLIED UNLESS THIS PLAN BEARS THE LIVE SIGNATURE AND SEAL OF THE UNDERSIGNED.

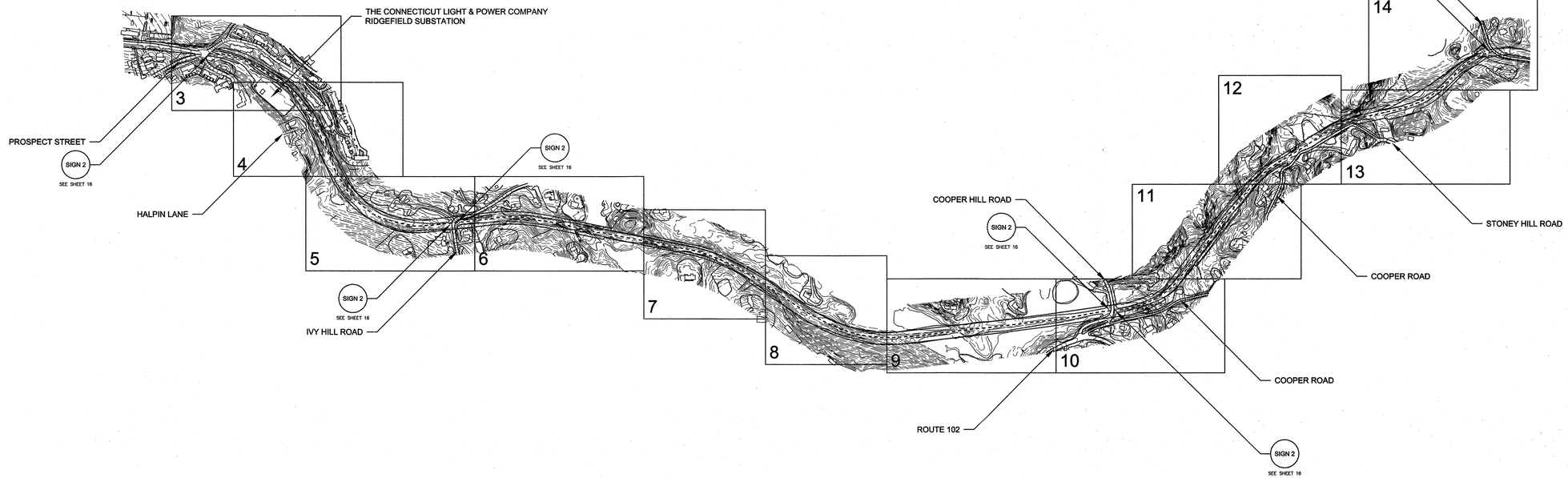
RICHARD D. JONES P.E. No. 19393

NOTES ON SCOPE OF RECORD DRAWINGS:

THESE RECORD DRAWINGS HAVE BEEN UPDATED FROM THE ORIGINAL CONSTRUCTION DOCUMENTS DATED JULY 6, 2000 TO SHOW NEW ENVIRONMENTAL DATA COLLECTED DURING JUNE 2000, AND TO PRESENT SAMPLE LOCATIONS AND SAMPLE IDENTIFICATION NUMBERS DEVELOPED TO INVESTIGATE THE LIMITS OF ARSENIC CONTAMINATED SOIL. THESE SAMPLE IDENTIFICATION NUMBERS HAD NOT PREVIOUSLY BEEN SHOWN ON THE CONSTRUCTION DOCUMENTS, BUT ARE INCLUDED HERE FOR COORDINATION WITH SIGNIFICANT ENVIRONMENTAL HAZARD REPORTS PREPARED FOR THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION DATED JUNE, 2000.

THESE RECORD DRAWINGS ALSO SHOW VARIATIONS FROM THE ORIGINAL CONSTRUCTION DOCUMENTS DATED JULY 6, 2000, WHICH OCCURRED AS A RESULT OF CHANGED FIELD CONDITIONS. CONSTRUCTION OCCURRED BETWEEN SEPTEMBER 2000 AND DECEMBER 2000.

THESE RECORD DRAWINGS REFLECT CONSTRUCTION COMPLETED IN CONNECTION WITH THE RIDGEFIELD REMEDIATION PROJECT AND ARE BASED UPON FIELD NOTES AND OBSERVATIONS MADE DURING THE CONSTRUCTION BY FUSS & O'NEILL, INC. AND CONNECTICUT LIGHT & POWER STAFF.



MAP REFERENCES:

1. RIGHT-OF-WAY AND SAMPLE LOCATIONS TAKEN FROM A PLAN ENTITLED "PEACEABLE STREET-RIDGEFIELD S/S-PLAN OF RIGHT OF WAY FROM RIDGEFIELD SUBSTATION TO FLORIDA ROAD SHOWING TEST BORINGS". PREPARED BY NORTHEAST UTILITIES SERVICE COMPANY FOR THE CONNECTICUT LIGHT & POWER COMPANY. DATED 4-12-99, SCALE 1"=200', DRAWING No. 17973A, SHEET 1 AND 2 OF 2.

2. TOPOGRAPHIC INFORMATION TAKEN FROM AN AERIAL SURVEY FLIGHT. PROJECT REFERENCE G.A.S. #99-128 RIDGEFIELD, CT. PHOTO DATE 11-28-99, MAP SCALE 1"=40', CONTOUR INTERVAL 2', PHOTO SCALE 1"=500', DRAWING 99128.DWG. PREPARED BY GOLDEN AERIAL SURVEY, INC.

400 0 400 800
SCALE: 1" = 400'

RELEASED FOR CONSTRUCTION

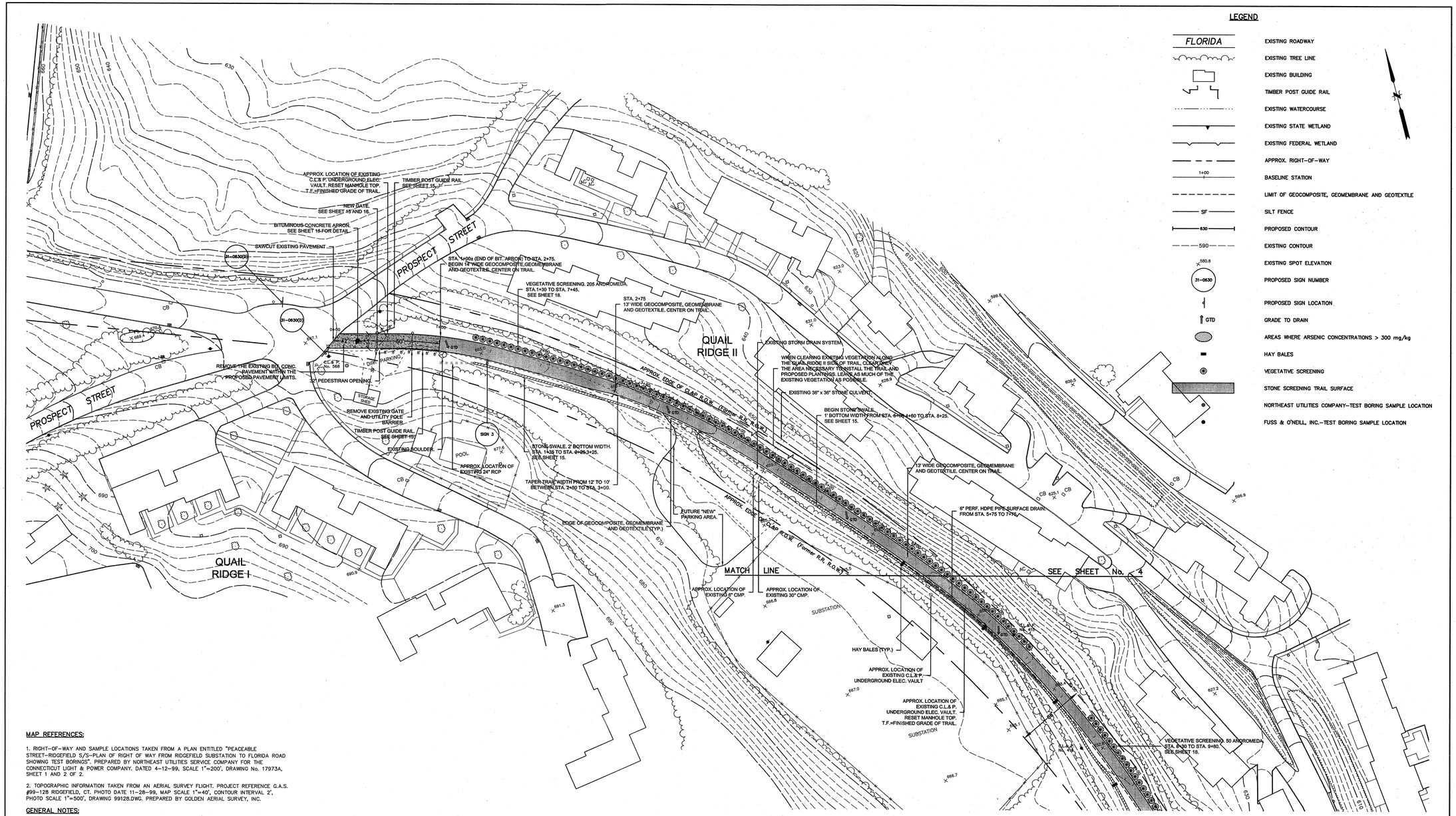
FILENAME: 99229REC MS: SHTP1 LAYER: INDEX PLAN

	BY	DATE
PROJ. MANAGER:		
CHIEF DESIGNER:		
REVIEWED		
SURVEY		
SITE		
STRUCTURAL		
ENVIRONMENTAL		
REVISION DATE:		
DATUM: H: V:		
SCALE: 1"= 400'		

FUSS & O'NEILL INC. Consulting Engineers
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
(860) 646-2469

RECORD DRAWING – INDEX PLAN
RIDGEFIELD REMEDIATION PROJECT
PREPARED FOR
THE CONNECTICUT LIGHT & POWER COMPANY
PROSPECT ST. TO FLORIDA RD. RIDGEFIELD, CONN.

JOB NUMBER	PHASE	DATE	SHEET NO.
99229R10		FEB. 2001	2 OF 18



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GENERAL NOTES:

1. EXISTING TOPOGRAPHY IS BASED ON AERIAL PHOTOGRAMMETRY FROM MAP REFERENCE No. 2. VERTICAL DATUM IS BASED ON NGVD.

2. RIGHT-OF-WAY (R.O.W.) LINE IS BASED ON INFORMATION FROM MAP REFERENCE No. 1.

3. BASELINE STATIONING IS BASED ON THE MAP REFERENCES AND REPRESENTS THE CENTERLINE OF THE PROPOSED RAIL TRAIL.

4. LOCATIONS OF EXISTING UTILITIES HAVE BEEN TAKEN FROM EXISTING MAPS OR FROM INFORMATION SUPPLIED BY THE UTILITY COMPANIES AND, THEREFORE ARE CONSIDERED TO BE APPROXIMATE. ALL UTILITIES MAY NOT BE SHOWN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE ACTUAL LOCATION OF ALL UTILITIES AND TO NOTIFY UTILITY COMPANIES OF NECESSARY RELOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH THE UTILITY COMPANIES. UTILITY LINES DAMAGED BY THE CONTRACTOR SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE UTILITY COMPANY AND THE COST OF REPAIR WORK SHALL BE BORNE BY THE CONTRACTOR. THE CONTRACTOR SHALL CONTACT **CALL BEFORE-U-DIG AT 1-800-922-4455** FOR MARKING OF EXISTING UTILITIES AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF EXCAVATION.

RELEASED FOR CONSTRUCTION

FILENAME: 99229R10 MS: SHT.L
LM: RECORDJCS: PLAN PS:

PROJ. MANAGER:	
CHIEF DESIGNER:	

REVIEWED	BY	DATE
SURVEY		
SITE		
STRUCTURAL		
ENVIRONMENTAL		

REVISION DATE:

DATUM: H: V:
SCALE: 1"= 40'

FUSS & O'NEILL INC. *Consulting Engineers*
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
(860) 646-2469

RECORD DRAWING - LAYOUT PLAN
RIDGEFIELD REMEDIATION PROJECT
PREPARED FOR
THE CONNECTICUT LIGHT & POWER COMPANY
PROSPECT ST. TO FLORIDA RD. RIDGEFIELD, CONN.

JOB NUMBER	PHASE	DATE	SHEET NO.
99229REC		FEB. 2001	3 OF 18



LEGEND

- EXISTING ROADWAY
- EXISTING TREE LINE
- EXISTING BUILDING
- TIMBER POST GUIDE RAIL
- EXISTING WATERCOURSE
- EXISTING STATE WETLAND
- EXISTING FEDERAL WETLAND
- APPROX. RIGHT-OF-WAY
- 1+00 BASELINE STATION
- LIMIT OF GEOCOMPOSITE, GEOMEMBRANE AND GEOTEXTILE
- SF SILT FENCE
- 630 PROPOSED CONTOUR
- 590 EXISTING CONTOUR
- 580.8 EXISTING SPOT ELEVATION
- 31-0630 PROPOSED SIGN NUMBER
- PROPOSED SIGN LOCATION
- GTD GRADE TO DRAIN
- AREAS WHERE ARSENIC CONCENTRATIONS > 300 mg/kg
- HAY BALES
- VEGETATIVE SCREENING
- STONE SCREENING TRAIL SURFACE
- NORTHEAST UTILITIES COMPANY-TEST BORING SAMPLE LOCATION
- FUSS & O'NEILL, INC.-TEST BORING SAMPLE LOCATION

40 0 40 80
SCALE: 1" = 40'

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SEE SHEET 3 OF 18 FOR GENERAL NOTES.

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PROJ. MANAGER:			
CHIEF DESIGNER:			
REVIEWED	BY	DATE	
SURVEY			
SITE			
STRUCTURAL			
ENVIRONMENTAL			
REVISION	DATE:		
DATUM: H:	V:		
SCALE: 1"= 40'			

FILENAME: 99229RT0_MS.SHT2
LAYOUT: RECORD PLAN

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146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
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RECORD DRAWING – LAYOUT PLAN
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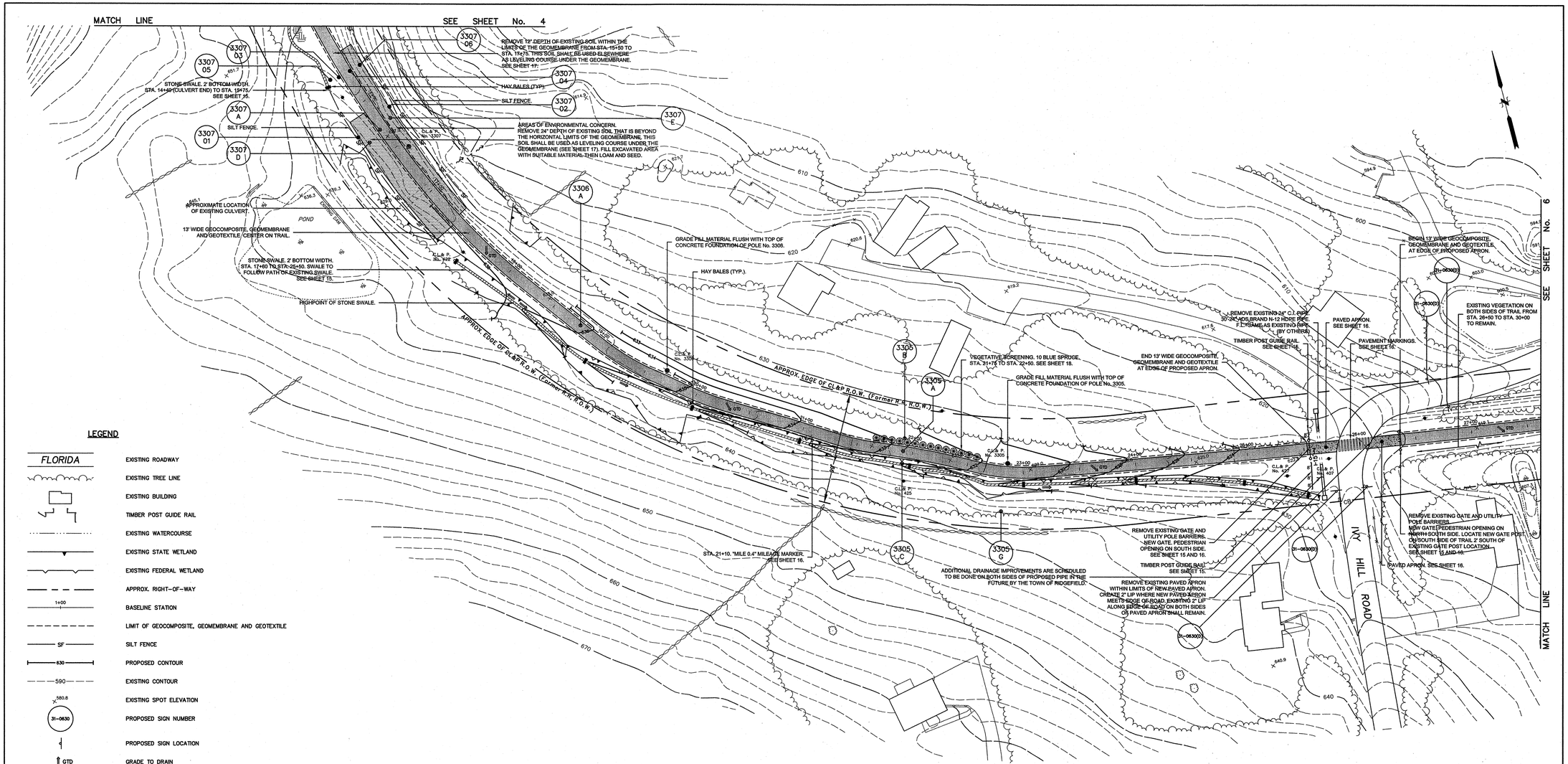
JOB NUMBER	PHASE	DATE	SHEET NO.
99229REC		FEB. 2001	4 OF 18



LEGEND

- FLORIDA — EXISTING ROADWAY
- EXISTING TREE LINE
- EXISTING BUILDING
- TIMBER POST GUIDE RAIL
- EXISTING WATERCOURSE
- EXISTING STATE WETLAND
- EXISTING FEDERAL WETLAND
- APPROX. RIGHT-OF-WAY
- 1+00 — BASELINE STATION
- LIMIT OF GEOCOMPOSITE, GEOMEMBRANE AND GEOTEXTILE
- SF — SILT FENCE
- 630 — PROPOSED CONTOUR
- 590 — EXISTING CONTOUR
- 580.8 — EXISTING SPOT ELEVATION
- 31-0630 — PROPOSED SIGN NUMBER
- PROPOSED SIGN LOCATION
- GTD — GRADE TO DRAIN
- AREAS WHERE ARSENIC CONCENTRATIONS > 300 mg/kg
- HAY BALES
- VEGETATIVE SCREENING
- STONE SCREENING TRAIL SURFACE
- NORTHEAST UTILITIES COMPANY–TEST BORING SAMPLE LOCATION
- FUSS & O'NEILL, INC.–TEST BORING SAMPLE LOCATION

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SEE SHEET 3 OF 18 FOR GENERAL NOTES.

40 0 40 80
SCALE: 1" = 40'

RELEASED FOR CONSTRUCTION

FILENAME: 99229R10 LM: RECORDLICS PLAN MS: SHTL3 PS:

PROJ. MANAGER:			
CHIEF DESIGNER:			
REVIEWED	BY	DATE	
SURVEY			
SITE			
STRUCTURAL			
ENVIRONMENTAL			
REVISION DATE:			
DATUM: H:		V:	
SCALE: 1"= 40'			

FUSS & O'NEILL INC. Consulting Engineers
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
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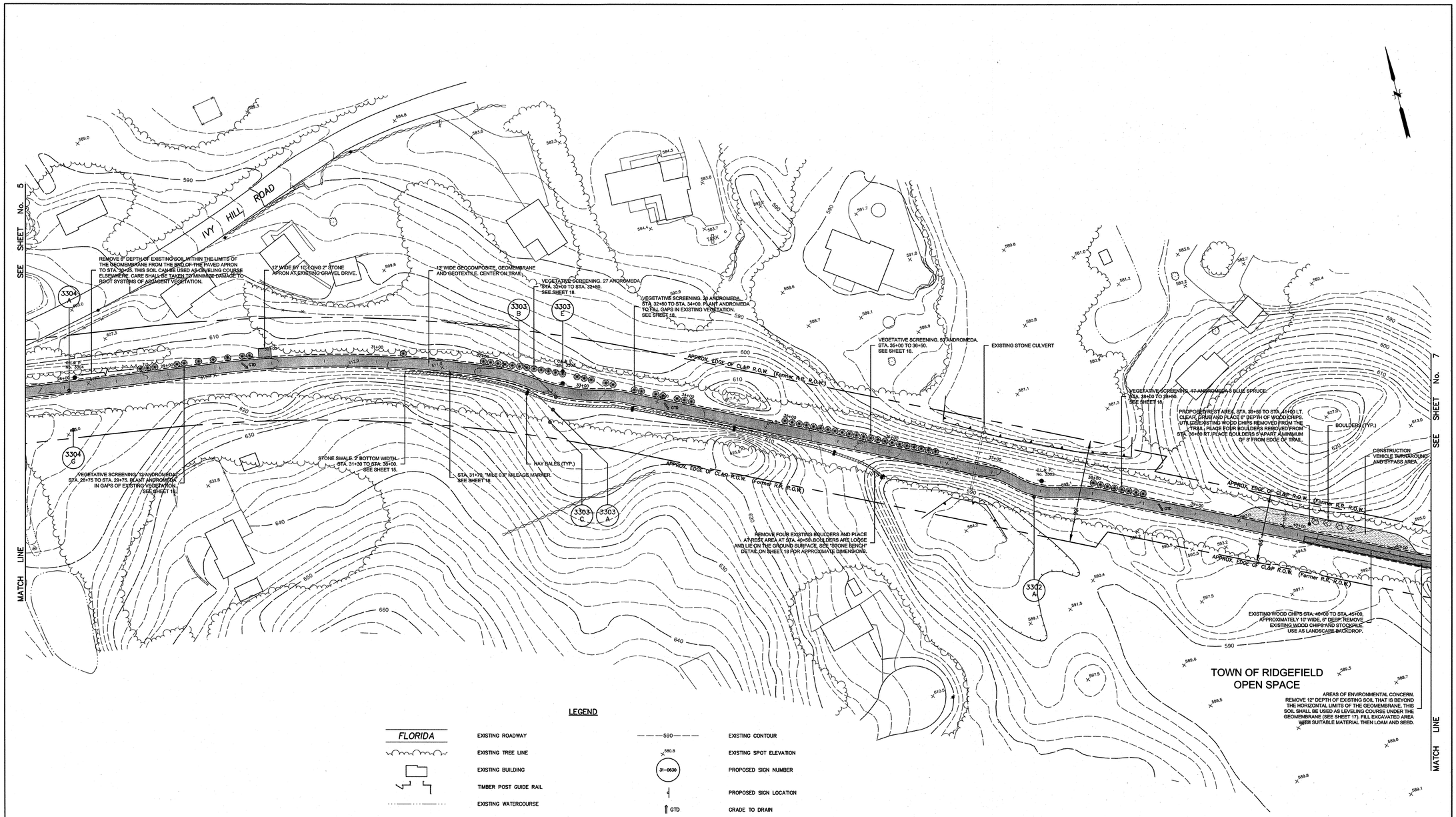
JOB NUMBER	PHASE	DATE	SHEET NO.
99229REC		FEB. 2001	5 OF 18



LEGEND

- EXISTING ROADWAY
- EXISTING TREE LINE
- EXISTING BUILDING
- TIMBER POST GUIDE RAIL
- EXISTING WATERCOURSE
- EXISTING STATE WETLAND
- EXISTING FEDERAL WETLAND
- APPROX. RIGHT-OF-WAY
- BASELINE STATION (1+00)
- LIMIT OF GEOCOMPOSITE, GEOMEMBRANE AND GEOTEXTILE
- SILT FENCE (SF)
- PROPOSED CONTOUR (630)
- EXISTING CONTOUR (590)
- EXISTING SPOT ELEVATION (580.8)
- PROPOSED SIGN NUMBER (31-0630)
- PROPOSED SIGN LOCATION
- GRADE TO DRAIN (GTD)
- AREAS WHERE ARSENIC CONCENTRATIONS > 300 mg/kg
- HAY BALES
- VEGETATIVE SCREENING
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SCALE: 1" = 40'

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SEE SHEET 3 OF 18 FOR GENERAL NOTES.

RELEASED FOR CONSTRUCTION

FILENAME: 99229R10 MS: SHT1.4 XREFS: RIDGS-PLAN XC

PROJ. MANAGER:		
CHIEF DESIGNER:		
REVIEWED	BY	DATE
SURVEY		
SITE		
STRUCTURAL		
ENVIRONMENTAL		
REVISION	DATE:	
1	1	1
2	2	2
DATUM: H:	V:	
SCALE: 1"= 40'		

FUSS & O'NEILL INC. Consulting Engineers
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
(860) 646-2469

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JOB NUMBER	PHASE	DATE	SHEET NO.
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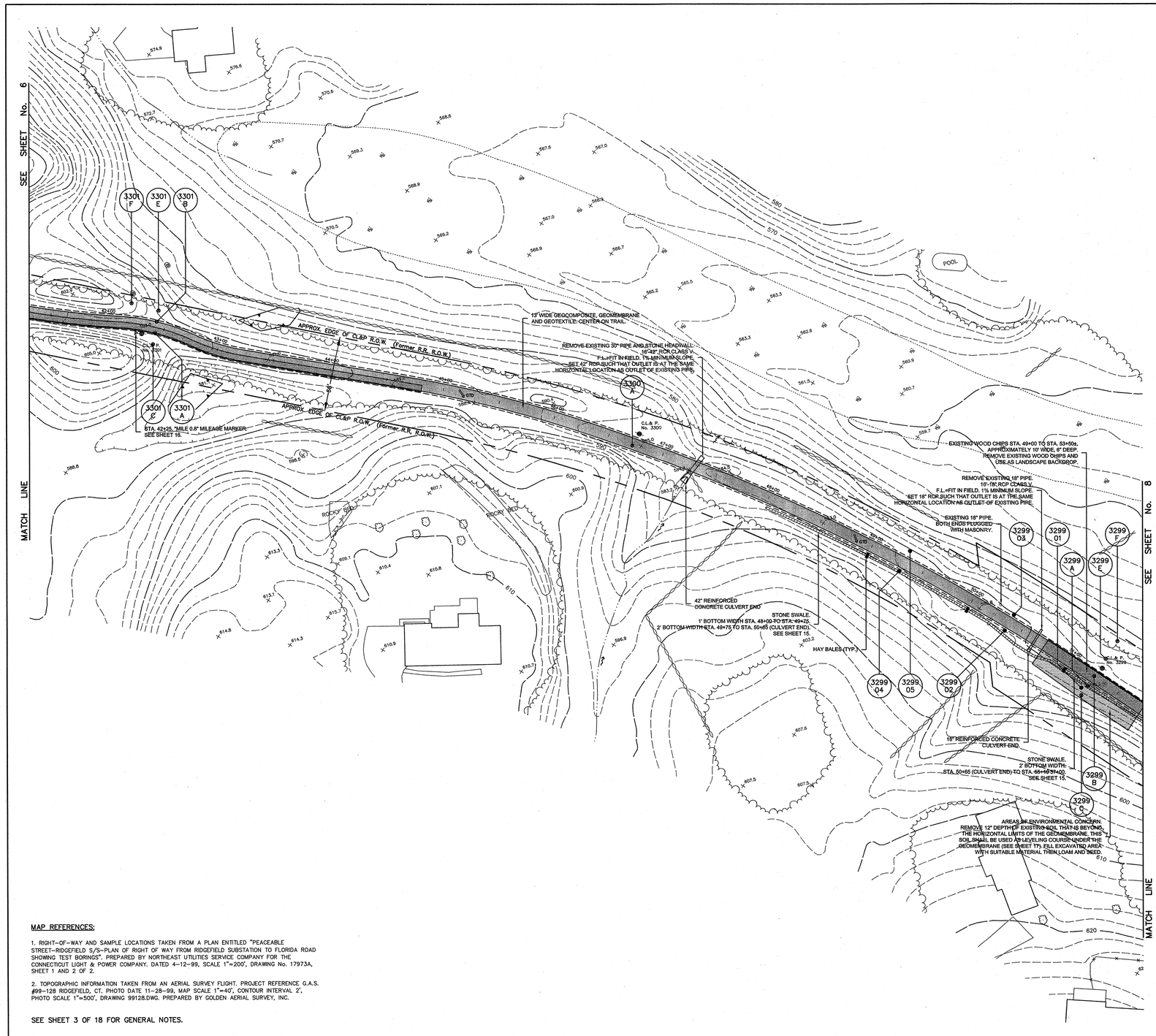

LEGEND

- EXISTING ROADWAY (FLORIDA)
- EXISTING TREE LINE
- EXISTING BUILDING
- TIMBER POST GUIDE RAIL
- EXISTING WATERCOURSE
- EXISTING STATE WETLAND
- EXISTING FEDERAL WETLAND
- APPROX. RIGHT-OF-WAY
- 1+00 BASELINE STATION
- LIMIT OF GEOCOMPOSITE, GEOMEMBRANE AND GEOTEXTILE
- SF SILT FENCE
- 630 PROPOSED CONTOUR
- 590 EXISTING CONTOUR
- 580.8 EXISTING SPOT ELEVATION
- 31-0630 PROPOSED SIGN NUMBER
- PROPOSED SIGN LOCATION
- GTD GRADE TO DRAIN
- AREAS WHERE ARSENIC CONCENTRATIONS > 300 mg/kg
- HAY BALES
- VEGETATIVE SCREENING
- STONE SCREENING TRAIL SURFACE
- NORTHEAST UTILITIES COMPANY-TEST BORING SAMPLE LOCATION
- FUSS & O'NEILL, INC.-TEST BORING SAMPLE LOCATION

40 0 40 80
SCALE: 1" = 40'

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SEE SHEET 3 OF 18 FOR GENERAL NOTES.

FILENAME: 99229R10 LM: RECORDUCS:PLAN | MS: SHTL5 | PS:

PROJ. MANAGER:		
CHIEF DESIGNER:		
REVIEWED	BY	DATE
SURVEY		
SITE		
STRUCTURAL		
ENVIRONMENTAL		
REVISION	DATE:	
DATUM: H:	V:	
SCALE: 1"= 40'		

FUSS & O'NEILL INC. *Consulting Engineers*
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
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RECORD DRAWING - LAYOUT PLAN
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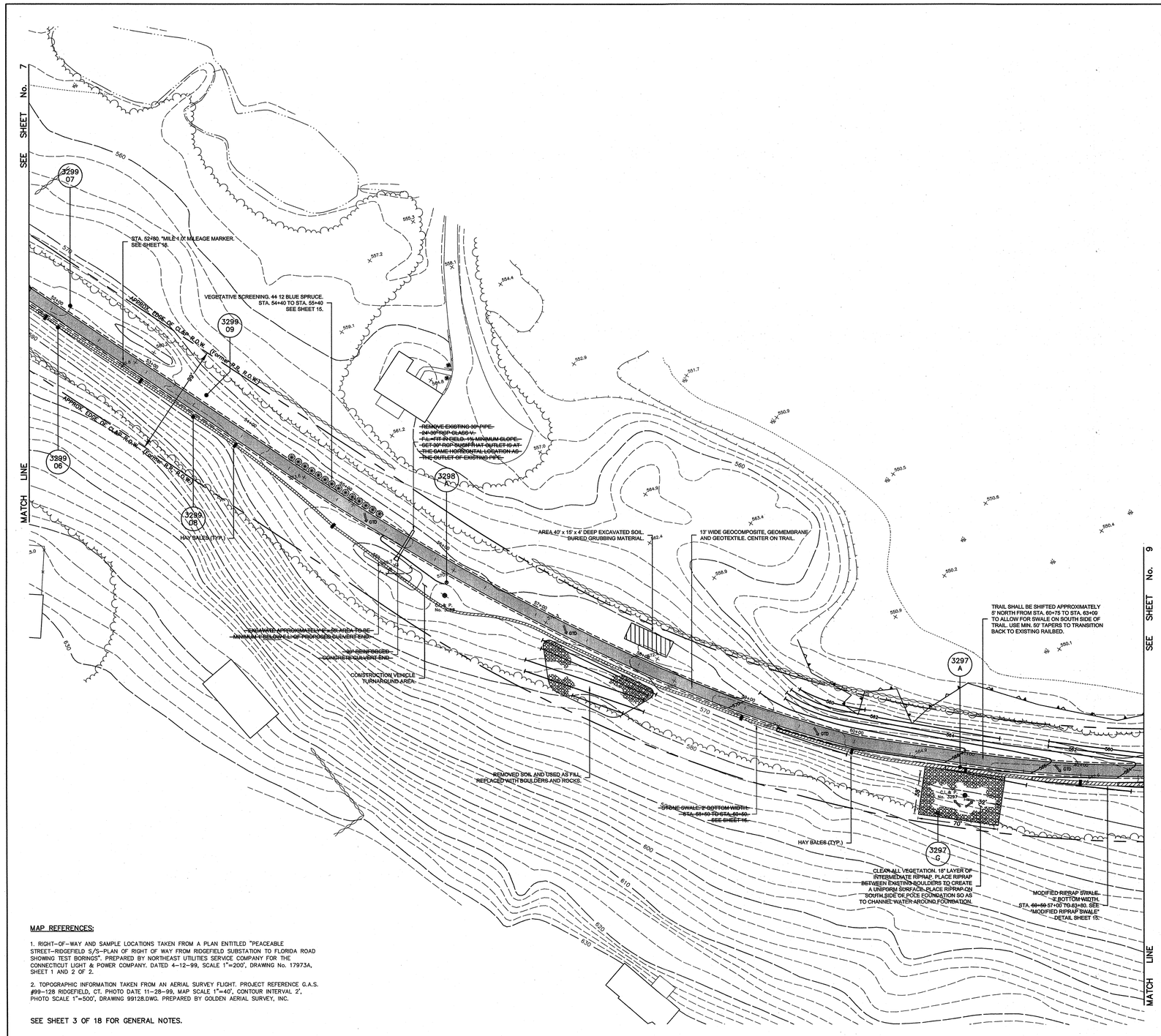
JOB NUMBER	PHASE	DATE	SHEET NO.
99229REC		FEB. 2001	7 OF 18



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CHIEF DESIGNER:	
REVIEWED	BY / DATE
SURVEY	
SITE	
STRUCTURAL	
ENVIRONMENTAL	
REVISION DATE:	
DATUM: H: V:	
SCALE: 1"= 40'	

FILENAME: 99229R10 MS-SHT16
PLOT RECORD PLOT PS-SHT16

FUSS & O'NEILL INC. Consulting Engineers
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
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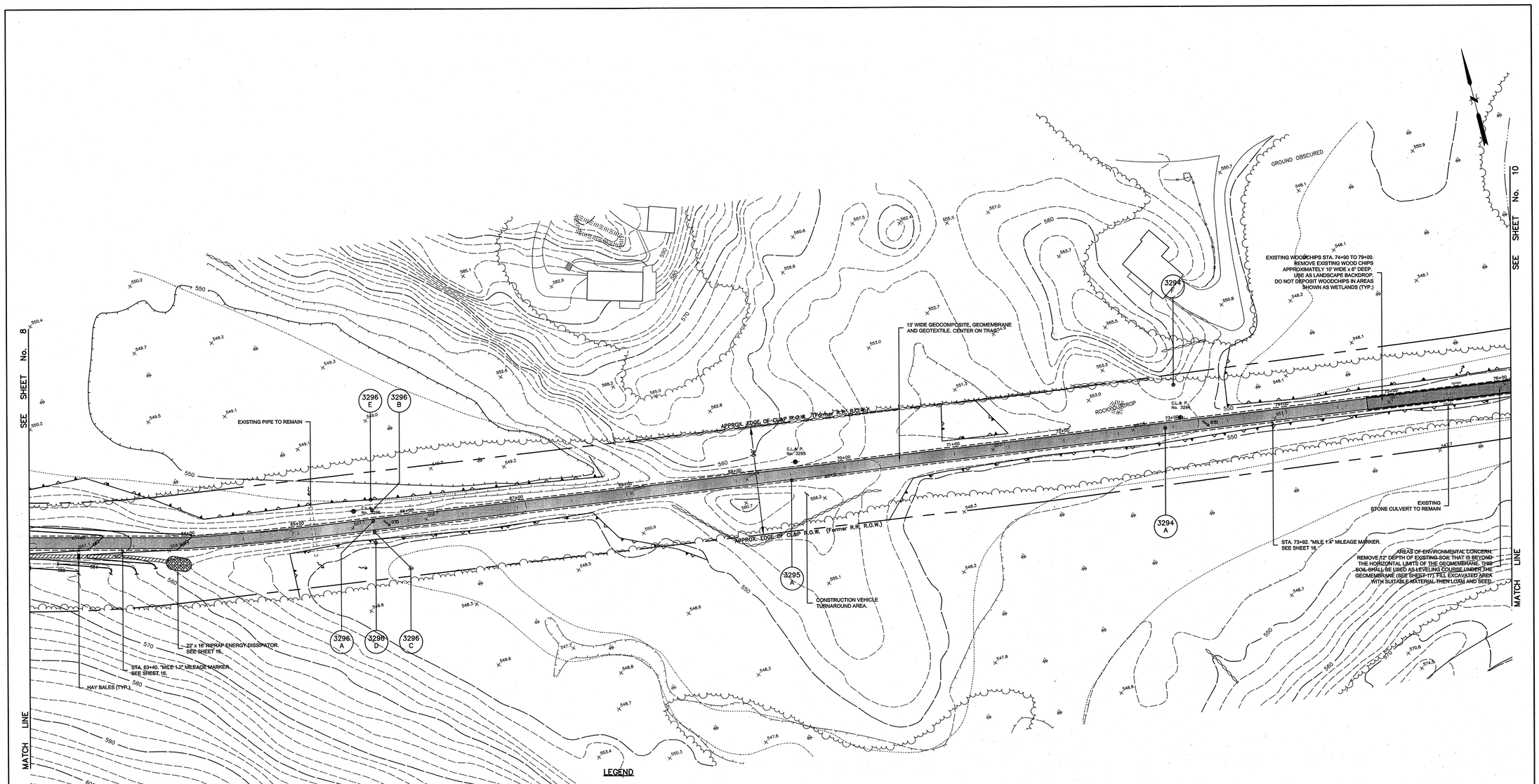
99229REC		FEB. 2001	8 OF 18



LEGEND

FLORIDA

- EXISTING ROADWAY
- EXISTING TREE LINE
- EXISTING BUILDING
- TIMBER POST GUIDE RAIL
- EXISTING WATERCOURSE
- EXISTING STATE WETLAND
- EXISTING FEDERAL WETLAND
- APPROX. RIGHT-OF-WAY
- BASELINE STATION (1+00)
- LIMIT OF GEOCOMPOSITE, GEOMEMBRANE AND GEOTEXTILE
- SILT FENCE (SF)
- PROPOSED CONTOUR (630)
- EXISTING CONTOUR (590)
- EXISTING SPOT ELEVATION (580.8)
- PROPOSED SIGN NUMBER (51-0630)
- PROPOSED SIGN LOCATION
- GRADE TO DRAIN (GTD)
- AREAS WHERE ARSENIC CONCENTRATIONS > 300 mg/kg
- HAY BALES
- VEGETATIVE SCREENING
- STONE SCREENING TRAIL SURFACE
- NORTHEAST UTILITIES COMPANY-TEST BORING SAMPLE LOCATION
- FUSS & O'NEILL, INC.-TEST BORING SAMPLE LOCATION

SCALE: 1" = 40'

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RELEASED FOR CONSTRUCTION

MS: SHT17
PS:
LM: RECORDJCS: PLAN
FILENAME: 99229R10

PROJ. MANAGER:			
CHIEF DESIGNER:			
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SURVEY			
SITE			
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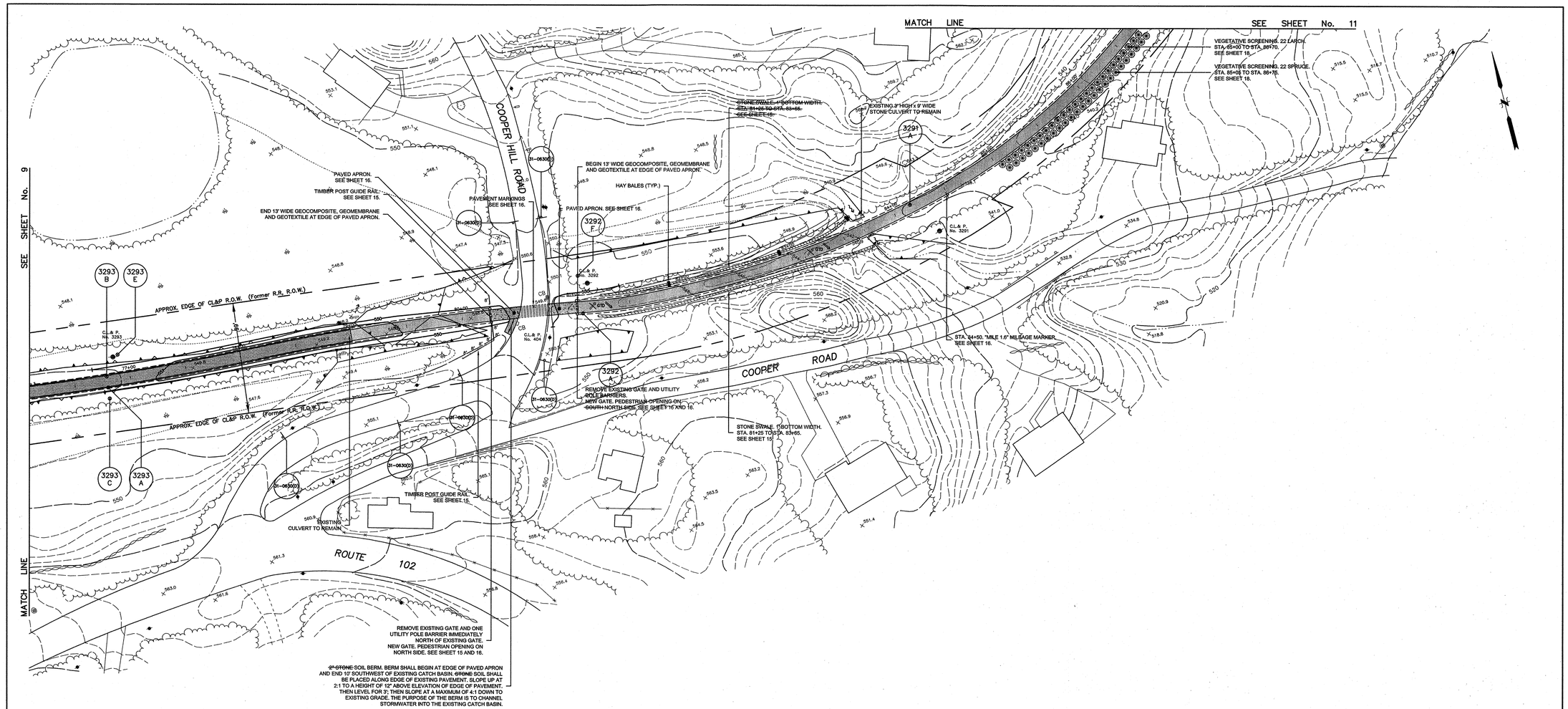

LEGEND

- EXISTING ROADWAY
- EXISTING TREE LINE
- EXISTING BUILDING
- TIMBER POST GUIDE RAIL
- EXISTING WATERCOURSE
- EXISTING STATE WETLAND
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- APPROX. RIGHT-OF-WAY
- BASELINE STATION (1+00)
- LIMIT OF GEOCOMPOSITE, GEOMEMBRANE AND GEOTEXTILE
- SILT FENCE (SF)
- PROPOSED CONTOUR (630)
- EXISTING CONTOUR (590)
- EXISTING SPOT ELEVATION (580.8)
- PROPOSED SIGN NUMBER (31-0630)
- PROPOSED SIGN LOCATION
- GRADE TO DRAIN (GTD)
- AREAS WHERE ARSENIC CONCENTRATIONS > 300 mg/kg
- HAY BALES
- VEGETATIVE SCREENING
- STONE SCREENING TRAIL SURFACE
- NORTHEAST UTILITIES COMPANY-TEST BORING SAMPLE LOCATION
- FUSS & O'NEILL, INC.-TEST BORING SAMPLE LOCATION

SCALE: 1" = 40'

MAP REFERENCES:

1. RIGHT-OF-WAY AND SAMPLE LOCATIONS TAKEN FROM A PLAN ENTITLED "PEACEABLE STREET-RIDGEFIELD S/S-PLAN OF RIGHT OF WAY FROM RIDGEFIELD SUBSTATION TO FLORIDA ROAD SHOWING TEST BORINGS". PREPARED BY NORTHEAST UTILITIES SERVICE COMPANY FOR THE CONNECTICUT LIGHT & POWER COMPANY. DATED 4-12-99, SCALE 1"=200', DRAWING No. 17973A, SHEET 1 AND 2 OF 2.

2. TOPOGRAPHIC INFORMATION TAKEN FROM AN AERIAL SURVEY FLIGHT. PROJECT REFERENCE G.A.S. #99-128 RIDGEFIELD, CT. PHOTO DATE 11-28-99, MAP SCALE 1"=40', CONTOUR INTERVAL 2', PHOTO SCALE 1"=500', DRAWING 99128.DWG. PREPARED BY GOLDEN AERIAL SURVEY, INC.

SEE SHEET 3 OF 18 FOR GENERAL NOTES.

RELEASED FOR CONSTRUCTION

PROJ. MANAGER:			
CHIEF DESIGNER:			
REVIEWED	BY	DATE	
SURVEY			
SITE			
STRUCTURAL			
ENVIRONMENTAL			
REVISION DATE:			
1	1	1	
2	2	2	
DATUM: H:		V:	
SCALE: 1"= 40'			

FILENAME: 99229R10 MS: SHT1.8 LAYOUT: LAY1 PLOTTED: 10/31/2001 10:57:31 AM

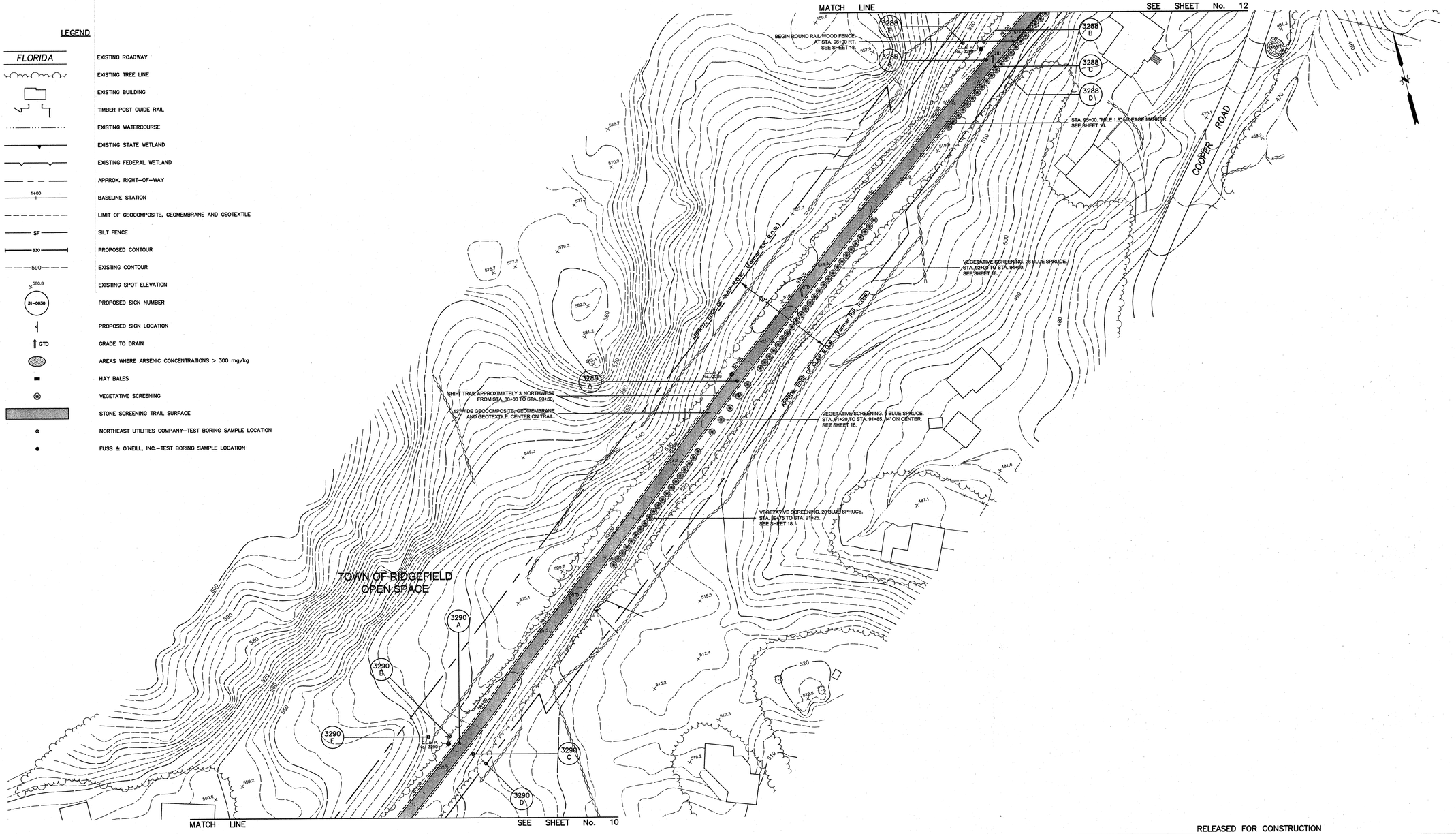
FUSS & O'NEILL INC. Consulting Engineers
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
(860) 646-2469

RECORD DRAWING – LAYOUT PLAN
RIDGEFIELD REMEDIATION PROJECT
PREPARED FOR
THE CONNECTICUT LIGHT & POWER COMPANY
PROSPECT ST. TO FLORIDA RD. RIDGEFIELD, CONN.

JOB NUMBER	PHASE	DATE	SHEET NO.
99229REC		FEB. 2001	10 OF 18

LEGEND

- FLORIDA — EXISTING ROADWAY
- EXISTING TREE LINE
- EXISTING BUILDING
- TIMBER POST GUIDE RAIL
- EXISTING WATERCOURSE
- EXISTING STATE WETLAND
- EXISTING FEDERAL WETLAND
- APPROX. RIGHT-OF-WAY
- 1+00 — BASELINE STATION
- LIMIT OF GEOCOMPOSITE, GEOMEMBRANE AND GEOTEXTILE
- SF — SILT FENCE
- 530 — PROPOSED CONTOUR
- 590 — EXISTING CONTOUR
- 580.8 — EXISTING SPOT ELEVATION
- 31-0630 — PROPOSED SIGN NUMBER
- PROPOSED SIGN LOCATION
- GTD — GRADE TO DRAIN
- AREAS WHERE ARSENIC CONCENTRATIONS > 300 mg/kg
- HAY BALES
- VEGETATIVE SCREENING
- STONE SCREENING TRAIL SURFACE
- NORTHEAST UTILITIES COMPANY-TEST BORING SAMPLE LOCATION
- FUSS & O'NEILL, INC.-TEST BORING SAMPLE LOCATION



SCALE: 1" = 40'

MAP REFERENCES:

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SEE SHEET 3 OF 18 FOR GENERAL NOTES.

RELEASED FOR CONSTRUCTION

FILENAME: 99229R10 | MS: SHT19 | LM: RECORD | CS: PLAN | PS:

PROJ. MANAGER:			
CHIEF DESIGNER:			
REVIEWED	BY	DATE	
SURVEY			
SITE			
STRUCTURAL			
ENVIRONMENTAL			
REVISION	DATE:		
DATUM: H:	V:		
SCALE: 1"= 40'			

FUSS & O'NEILL INC. Consulting Engineers
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
(860) 646-2469

RECORD DRAWING – LAYOUT PLAN

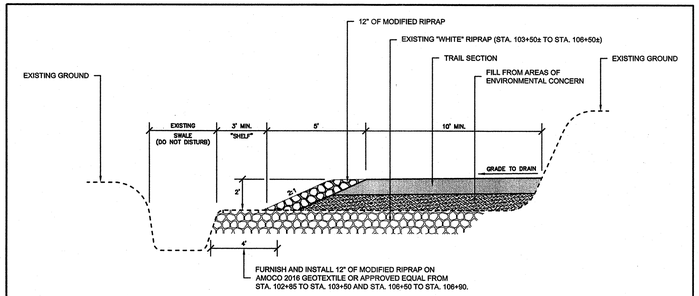
RIDGEFIELD REMEDIATION PROJECT

PREPARED FOR

THE CONNECTICUT LIGHT & POWER COMPANY

PROSPECT ST. TO FLORIDA RD. RIDGEFIELD, CONN.

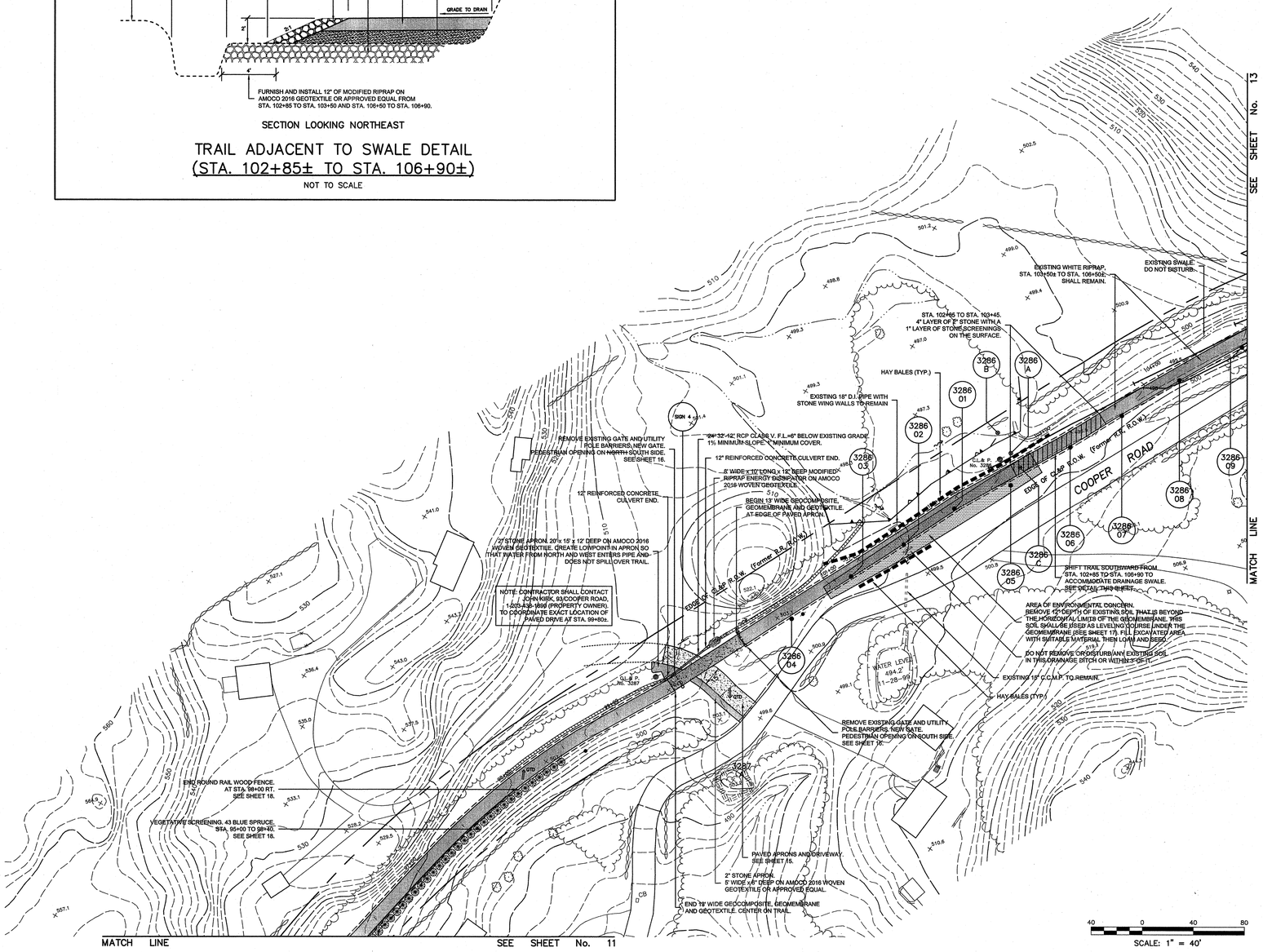
JOB NUMBER	PHASE	DATE	SHEET NO.
99229REC		FEB. 2001	11 OF 18



SECTION LOOKING NORTHEAST

TRAIL ADJACENT TO SWALE DETAIL
(STA. 102+85± TO STA. 106+90±)

NOT TO SCALE



LEGEND

- EXISTING ROADWAY (FLORIDA)
- EXISTING TREE LINE
- EXISTING BUILDING
- TIMBER POST GUIDE RAIL
- EXISTING WATERCOURSE
- EXISTING STATE WETLAND
- EXISTING FEDERAL WETLAND
- APPROX. RIGHT-OF-WAY
- 1+00 BASELINE STATION
- LIMIT OF GEOCOMPOSITE, GEOMEMBRANE AND GEOTEXTILE
- SF SILT FENCE
- 630 PROPOSED CONTOUR
- 590 EXISTING CONTOUR
- 580.8 EXISTING SPOT ELEVATION
- 31-0630 PROPOSED SIGN NUMBER
- PROPOSED SIGN LOCATION
- GTD GRADE TO DRAIN
- AREAS WHERE ARSENIC CONCENTRATIONS > 300 mg/kg
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- STONE SCREENING TRAIL SURFACE
- NORTHEAST UTILITIES COMPANY-TEST BORING SAMPLE LOCATION
- FUSS & O'NEILL, INC.-TEST BORING SAMPLE LOCATION

MAP REFERENCES:

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SEE SHEET 3 OF 18 FOR GENERAL NOTES.

RELEASED FOR CONSTRUCTION

FILENAME: 99229R10 LM: RECORDLICS: PLAN | MS: SHT1.10 | PS:

PROJ. MANAGER:	
CHIEF DESIGNER:	
REVIEWED	BY / DATE
SURVEY	
SITE	
STRUCTURAL	
ENVIRONMENTAL	
REVISION DATE:	
DATUM: H: V:	
SCALE: 1"= 40'	

FUSS & O'NEILL INC. Consulting Engineers
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
(860) 646-2469

RECORD DRAWING - LAYOUT PLAN

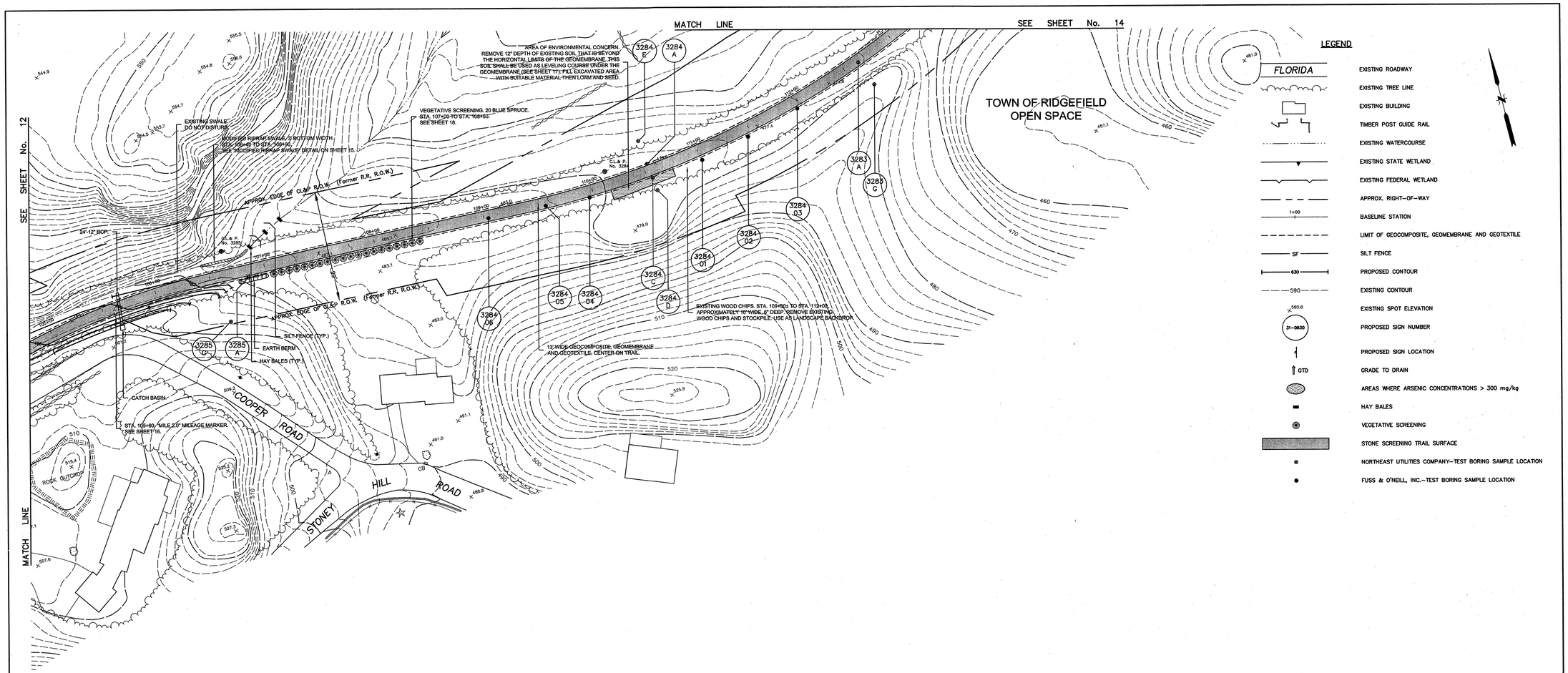
RIDGEFIELD REMEDIATION PROJECT

PREPARED FOR

THE CONNECTICUT LIGHT & POWER COMPANY

PROSPECT ST. TO FLORIDA RD. RIDGEFIELD, CONN.

JOB NUMBER	PHASE	DATE	SHEET NO.
99229REC		FEB. 2001	12 OF 18



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SEE SHEET 3 OF 18 FOR GENERAL NOTES.

40 0 40 80
SCALE: 1" = 40'

RELEASED FOR CONSTRUCTION

PROJ. MANAGER:		
CHIEF DESIGNER:		
REVIEWED	BY	DATE
SURVEY		
SITE		
STRUCTURAL		
ENVIRONMENTAL		
REVISION DATE:		
DATUM: H:	V:	
SCALE: 1"= 40'		

FILENAME: 99229R10 MS: SHTL11
LM: RECORD UCS: PLAN PS:

FUSS & O'NEILL INC. Consulting Engineers
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
(860) 646-2469

RECORD DRAWING – LAYOUT PLAN
RIDGEFIELD REMEDIATION PROJECT
PREPARED FOR
THE CONNECTICUT LIGHT & POWER COMPANY
PROSPECT ST. TO FLORIDA RD. RIDGEFIELD, CONN.

JOB NUMBER	PHASE	DATE	
99229REC		FEB. 2001	SHEET NO. 13 OF 18

LEGEND

FLORIDA	EXISTING ROADWAY
	EXISTING TREE LINE
	EXISTING BUILDING
	TIMBER POST GUIDE RAIL
	EXISTING WATERCOURSE
	EXISTING STATE WETLAND
	EXISTING FEDERAL WETLAND
	APPROX. RIGHT-OF-WAY
1+00	BASELINE STATION
	LIMIT OF GEOCOMPOSITE, GEOMEMBRANE AND GEOTEXTILE
SF	SILT FENCE
630	PROPOSED CONTOUR
590	EXISTING CONTOUR
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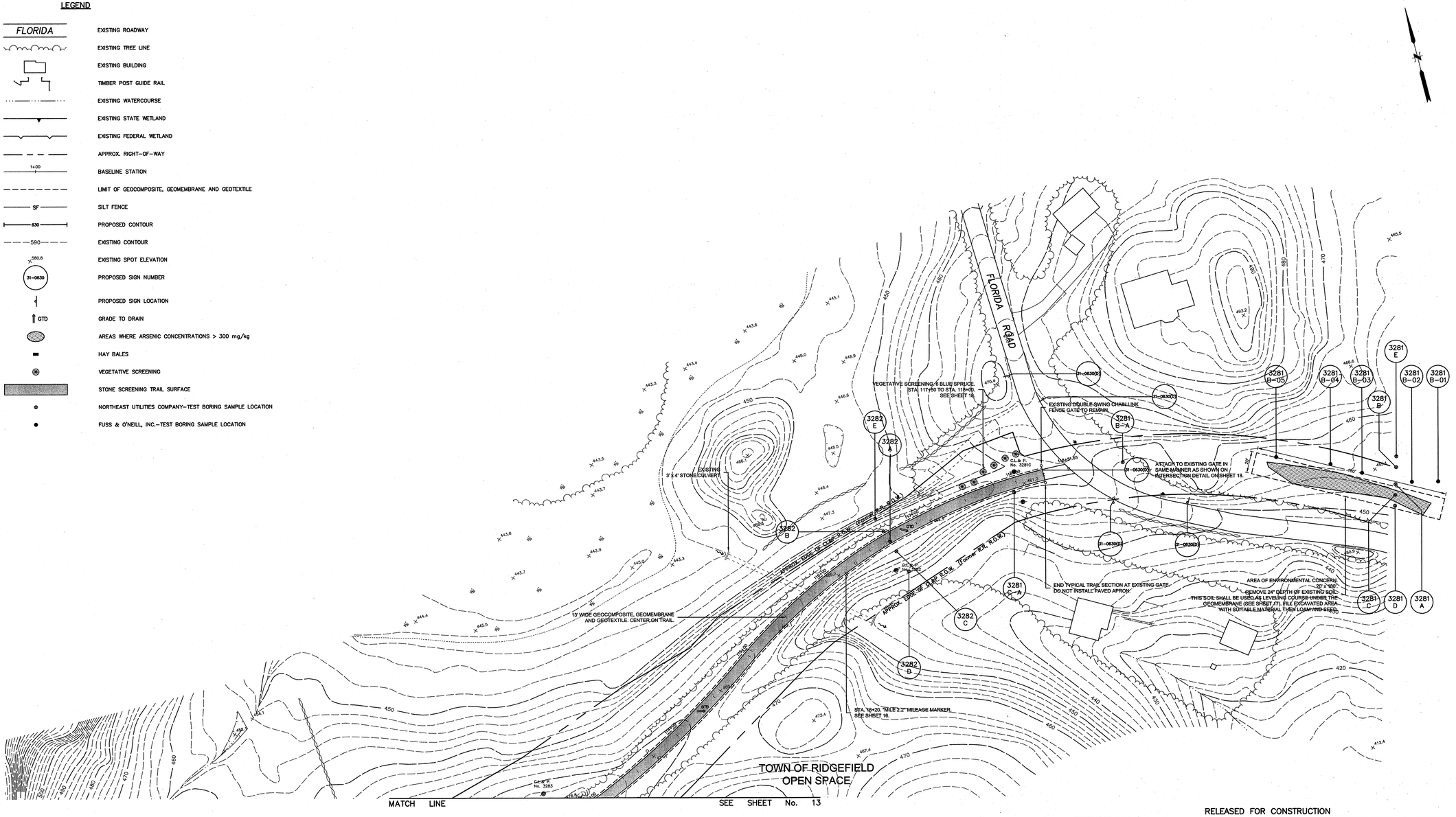
31-0630	PROPOSED SIGN NUMBER
	PROPOSED SIGN LOCATION
GTD	GRADE TO DRAIN
	AREAS WHERE ARSENIC CONCENTRATIONS > 300 mg/kg
	HAY BALES
	VEGETATIVE SCREENING
	STONE SCREENING TRAIL SURFACE
	NORTHEAST UTILITIES COMPANY-TEST BORING SAMPLE LOCATION
	FUSS & O'NEILL, INC.-TEST BORING SAMPLE LOCATION



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SEE SHEET 3 OF 18 FOR GENERAL NOTES.

40 0 40 80
SCALE: 1" = 40'

FILENAME: 99229R10 MS: SHTL12
LM: RECORD UCS: PLAN PS:

PROJ. MANAGER:		
CHIEF DESIGNER:		
REVIEWED	BY	DATE
SURVEY		
SITE		
STRUCTURAL		
ENVIRONMENTAL		
REVISION DATE:		
DATUM: H:	V:	
SCALE: 1"= 40'		

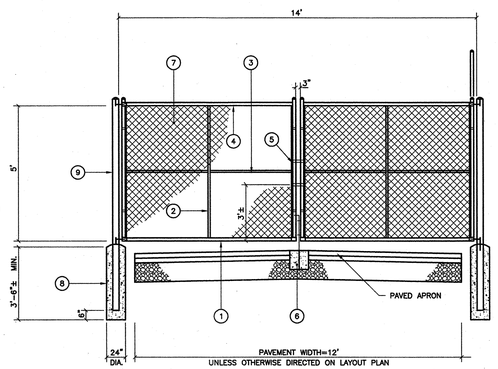
FUSS & O'NEILL INC. Consulting Engineers
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
(860) 646-2469

RECORD DRAWING – LAYOUT PLAN
RIDGEFIELD REMEDIATION PROJECT
PREPARED FOR
THE CONNECTICUT LIGHT & POWER COMPANY
PROSPECT ST. TO FLORIDA RD. RIDGEFIELD, CONN.

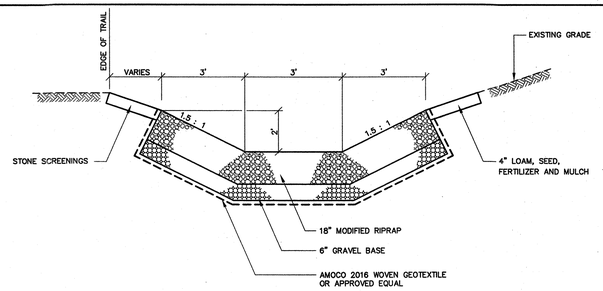
JOB NUMBER	PHASE	DATE	
99229REC		FEB. 2001	SHEET NO.14 OF 18

1. 2" SQUARE FRAME WELDED TO FORM 4 SIDES OF LEAF
2. 1 1/4" SQUARE UPRIGHT BRACING WELDED TO FRAME
3. 1 1/4" SQUARE HORIZONTAL BRACING WELDED TO FRAME
4. TENSION ROD ATTACHED TO FRAME ON ALL FOUR SIDES WITH HOOK BOLTS
5. CHAIN FOR PADLOCK. REUSE EXISTING LOCKS.
6. 12" DIA. x 12" DEEP CONC. COLLAR WITH STEEL PIPE FOR SET PIN. COLLAR AND PIPE SET FLUSH WITH PAVEMENT. PIPE TO DRAIN INTO GRAVEL BASE
7. 9 GAUGE 2" WIRE MESH FABRIC
8. FOOTING FOR HINGE POST. 24" DIA. IN UNDISTURBED GROUND.
9. HINGE POST SHALL BE 4" O.D.

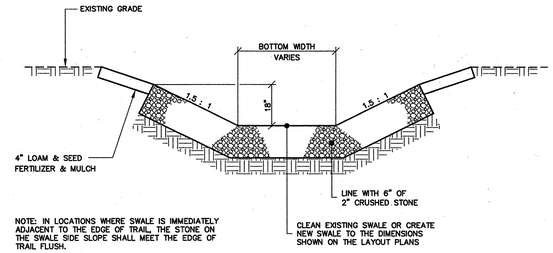
NOTE: ALL WIRE MESH FABRIC AND GATE HARDWARE SHALL BE COATED WITH BLACK PVC.



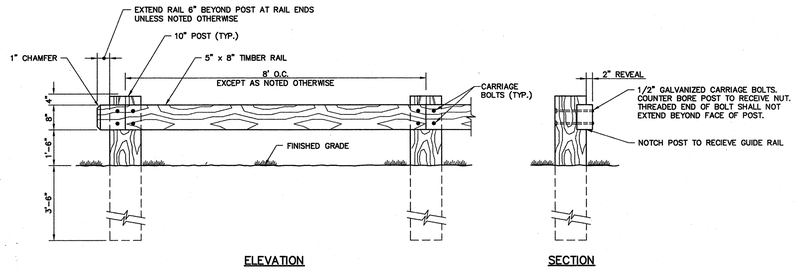
CHAIN LINK DOUBLE SWING GATE
N.T.S.



MODIFIED RIPRAP SWALE
(STA. 60+50 TO STA. 63+80) AND (STA. 106+40 TO STA. 106+90)
(N.T.S.)



STONE SWALE
(N.T.S.)



ELEVATION

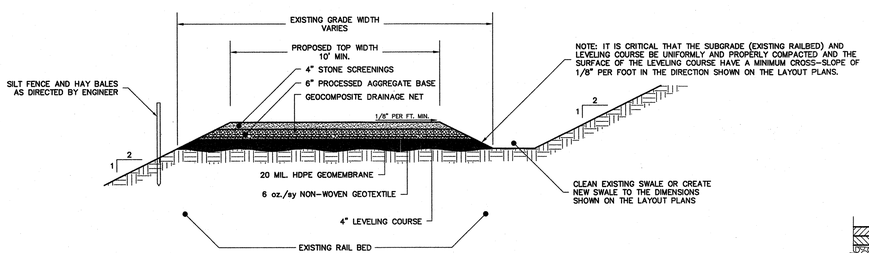
SECTION

PLAN

TIMBER POST GUIDE RAIL
N.T.S.

NOTES:

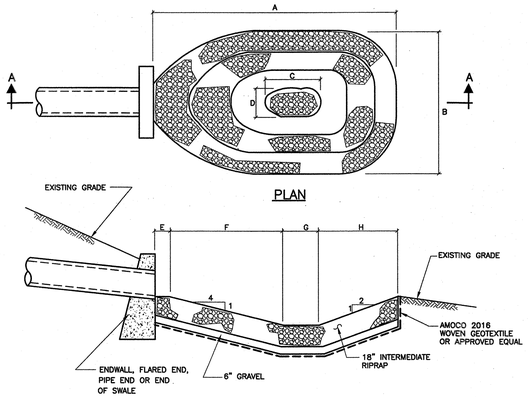
1. ALL HARDWARE SHALL BE GALVANIZED.
2. ALL WOOD SHALL BE #2 SOUTHERN YELLOW PINE AND TREATED WITH 0.40 CCA SALT TREATMENT.



NOTES:

1. DIRECTION OF CROSS-SLOPE OF TRAIL MAY VARY. SEE LAYOUT PLANS.
2. UNLESS OTHERWISE SHOWN ON THE PLANS, THE ENTIRE TRAIL WIDTH (10') SHALL BE CENTERED WITHIN THE "FLAT" PORTION OF THE EXISTING RAILBED. SHIFTING THE TRAIL WITHIN THE RAILBED DUE TO PHYSICAL CONSTRAINTS SHALL BE ACCOMPLISHED USING SMOOTH CURVES AND ONLY WITH THE APPROVAL OF THE ENGINEER. NO ANGLE POINTS SHALL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON THE PLAN.
3. THE CONTRACTOR SHALL ARRANGE HIS SCHEDULE SUCH THAT THE SURFACE COURSE OF THE TRAIL IS PLACED AFTER ALL CONSTRUCTION INVOLVING HEAVY VEHICLES OR EQUIPMENT HAS BEEN COMPLETED SUCH THAT THOSE VEHICLES DO NOT TRAVEL ON THE SURFACE COURSE AT ANY TIME.
4. DO NOT PLACE GEOCOMPOSITE, GEOMEMBRANEOR GEOTEXTILE UNDER AREAS TO BE PAVED WITH BITUMINOUS CONCRETE.

TYPICAL TRAIL SECTION
SCALE: 1"=3'

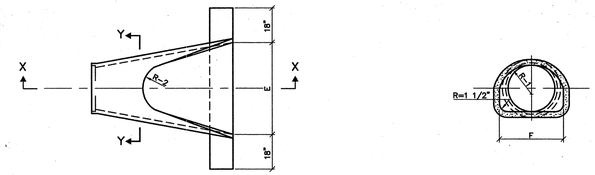


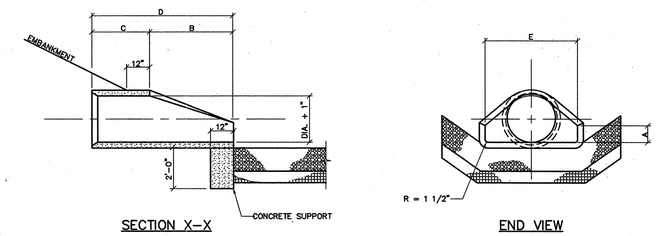
SECTION A–A

PIPE SIZE	A	B	C	D	E	F	G	H	WT RIP-RAP IN TONS
15"	10'	7'	3 1/2'	1'	1'	4 1/2'	1 1/2'	3'	6
18"	12'	8'	2'	1'	1'	5'	2'	4'	8
21"	13'	9'	2 1/2'	1 1/2'	1'	7'	2 1/2'	4 1/2'	12
24"	17'	10'	2 1/2'	1 1/2'	1'	8'	3 1/2'	5 1/2'	15
30"	20'	13'	3'	2'	2'	9'	3'	6'	22
36"	22'	16'	3 1/2'	2'	2'	9 1/2'	3 1/2'	7'	33

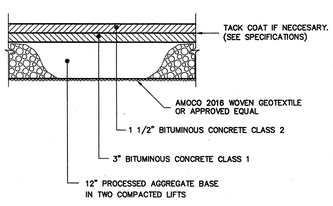
RIPRAP ENERGY DISSIPATOR
(N.T.S.)

DIMENSIONS								
DIA.	A	B	C	D	E	F	R-1	R-2
12"	4"	2'-0"	6'-0 3/8"	6'-0 3/8"	2'-0"	1'-7 15/16"	10-0 1/4"	9"
15"	6"	2'-3"	3'-10"	6'-1"	2'-6"	2'-0 5/16"	1'-0 1/2"	11"
18"	9"	2'-3"	3'-10"	6'-1"	3'-0"	2'-5"	1'-3 1/2"	1'-0"
24"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	2'-9 3/16"	1'-4 13/16"	1'-2"
30"	1'-0"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"	3'-1"	1'-6 1/2"	1'-3"
36"	1'-3"	5'-3"	2'-10 3/4"	6'-1 3/4"	6'-0"	3'-11 13/16"	2'-0 5/16"	1'-8"
42"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"	4'-5 7/8"	2'-3 1/2"	1'-10"
48"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	4'-8 1/2"	2'-4 1/2"	1'-10"

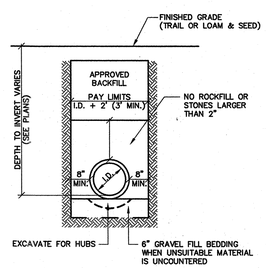




CONCRETE CULVERT END
(N.T.S.)



PAVEMENT SECTION FOR APRONS AND DRIVEWAY
N.T.S.



STORM DRAIN TRENCH
(N.T.S.)

NOTE: THESE DETAILS WERE PART OF THE CONSTRUCTION DOCUMENTS AND ARE INCLUDED WITH THE RECORD DRAWINGS FOR CONVENIENCE ONLY.

RELEASED FOR CONSTRUCTION

		BY	DATE
	PROJ. MANAGER:		
	CHIEF DESIGNER:		
	REVIEWED		
	SURVEY		
	SITE		
	STRUCTURAL		
	ENVIRONMENTAL		
	REVISION DATE:		
	DATUM: H: V:		
	SCALE: AS SHOWN		

FILENAME: 99229-01 MS: MS:

FUSS & O'NEILL, INC. Consulting Engineers
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
(860) 646-2469

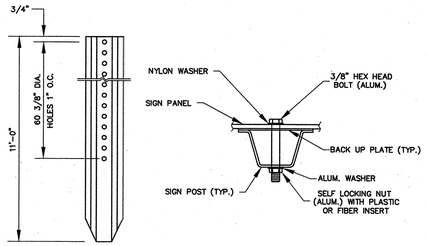
MISCELLANEOUS DETAILS
RIDGEFIELD REMEDIATION PROJECT
PREPARED FOR
THE CONNECTICUT LIGHT & POWER COMPANY
PROSPECT ST. TO FLORIDA RD. RIDGEFIELD, CONN.

JOB NUMBER	PHASE	DATE	SHEET NO.
99229R10		JULY 2000	15 OF 18

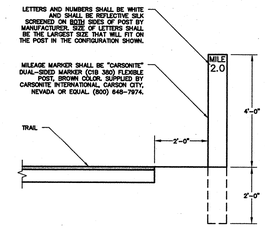
FEDERAL SIGN NUMBER		R7-1	W11A-2	D1-1b	SIGN 1	SIGN 2	SIGN 3	SIGN 4
LEGEND		NO PARKING ANY TIME		IVY HILL ROAD COOPER HILL ROAD PROSPECT STREET FLORIDA ROAD	NO MOTOR VEHICLES OR BICYCLES	RIGHT-OF-WAY CLOSED FOR CONSTRUCTION NO TRESSPASSING	WELCOME TO THE RIDGEFIELD TRAIL A PARTNERSHIP BETWEEN THE CONNECTICUT LIGHT & POWER CO. AND THE TOWN OF RIDGEFIELD OPEN DAWN TO DUSK PLEASE: NO ALCOHOL, MOTOR VEHICLES, BICYCLES OR HORSES TAKE ONLY PHOTOGRAPHS LEAVE ONLY FOOTPRINTS KEEP ONLY MEMORIES QUESTIONS? CALL THE TOWN AT (203) 431-2700 EMERGENCIES DIAL 911	PRIVATE WAY NO TRESPASSING
CONNDOT SIGN NUMBER		31-0630(D)	41-4810					
COLOR	BACKGROUND	WHITE	YELLOW	BROWN	BROWN	ORANGE	BROWN	WHITE
	COPY	RED	BLACK	WHITE	WHITE	BLACK	WHITE	BLACK
SIGN DIMENSION	WIDTH, IN.	12	30	24	24	30	30	24
	HEIGHT, IN.	18	30	6	24	30	30	24
MOUNTING		STEEL POST	STEEL POST	ON CHAINLINK FENCE GATES	ON CHAINLINK FENCE GATES	2 STEEL POSTS	2-STEEL POSTS	STEEL POST

SIGNING NOTES:

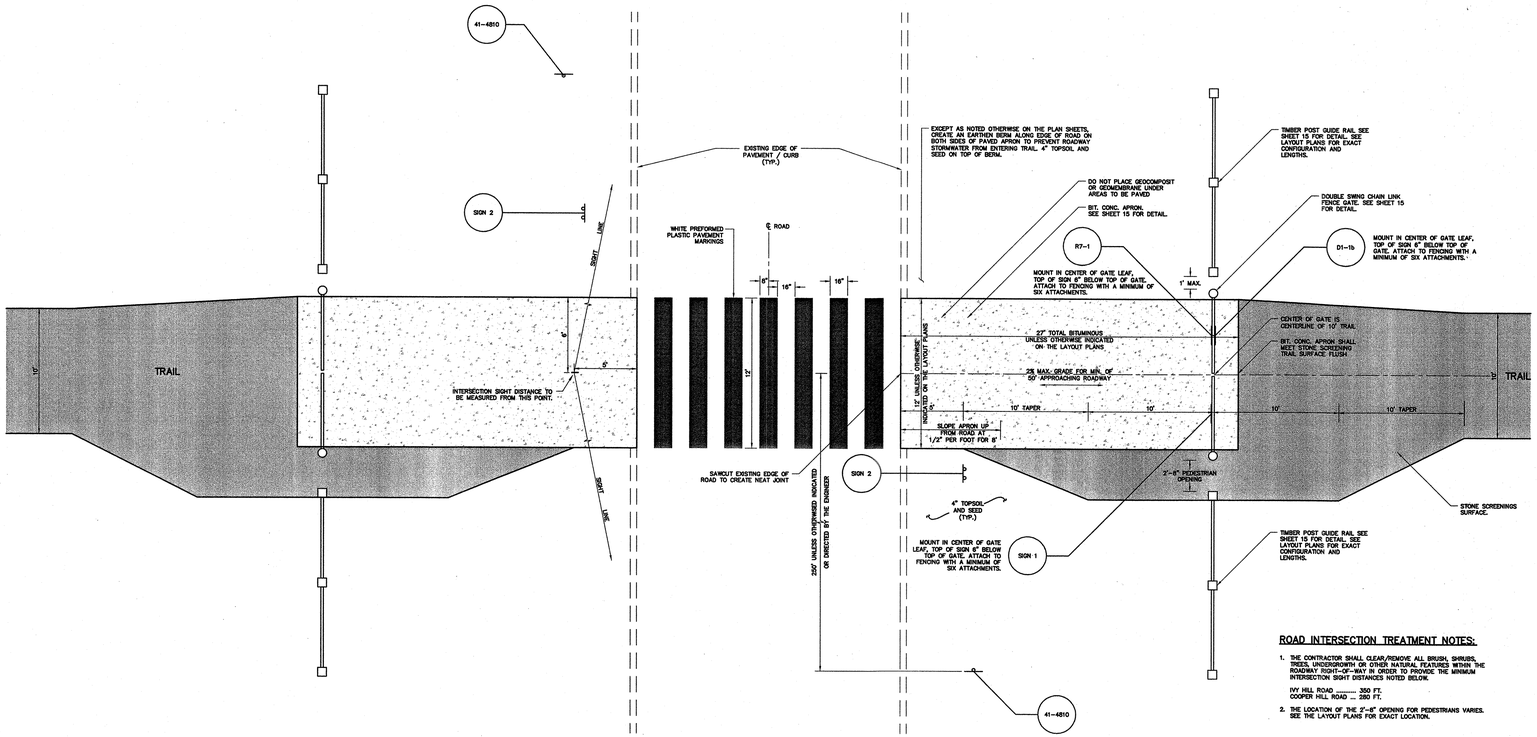
1. PRIOR TO COMMENCING CONSTRUCTION THE CONTRACTOR SHALL INSTALL AND MAINTAIN SIGN (2) AT EACH SIDE OF THE INTERSECTION OF C.L.& P.'s RIGHT-OF-WAY AND ALL PUBLIC ROADS. (PROSPECT, IVY HILL COOPER HILL, FLORIDA). CONTRACTOR SHALL ALSO PROVIDE AND INSTALL 6 ADDITIONAL SIGN (2) TO BE LOCATED IN FIELD BY THE ENGINEER. SIGNS SHALL BE REMOVED BY THE CONTRACTOR WHEN DIRECTED BY THE ENGINEER.
2. PRIOR TO INSTALLING THE TRAIL SIGNING PATTERNS THE CONTRACTOR SHALL INDICATE IN THE FIELD EACH SIGN LOCATION FOR REVIEW AND APPROVAL BY THE ENGINEER.
3. "NO PARKING ANY TIME" SIGNS 31-0630(D) SHALL BE INSTALLED SUCH THAT THE SIGN IS AT A 45° ANGLE TO THE ROADWAY.



STEEL SIGN POST
(N.T.S.)



MILEAGE TRAIL MARKER
(N.T.S.)



TYPICAL TRAIL/PUBLIC ROAD INTERSECTION TREATMENT
(N.T.S.)

ROAD INTERSECTION TREATMENT NOTES:

1. THE CONTRACTOR SHALL CLEAR/REMOVE ALL BRUSH, SHRUBS, TREES, UNDERGROWTH OR OTHER NATURAL FEATURES WITHIN THE ROADWAY RIGHT-OF-WAY IN ORDER TO PROVIDE THE MINIMUM INTERSECTION SIGHT DISTANCES NOTED BELOW.

   IVY HILL ROAD ..... 350 FT.
   COOPER HILL ROAD ... 280 FT.
2. THE LOCATION OF THE 2'-6" OPENING FOR PEDESTRIANS VARIES. SEE THE LAYOUT PLANS FOR EXACT LOCATION.

NOTE: THESE DETAILS WERE PART OF THE CONSTRUCTION DOCUMENTS AND ARE INCLUDED WITH THE RECORD DRAWINGS FOR CONVENIENCE ONLY.

RELEASED FOR CONSTRUCTION

PROJ. MANAGER:	
CHIEF DESIGNER:	
REVIEWED	BY / DATE
SURVEY	
SITE	
STRUCTURAL	
ENVIRONMENTAL	
REVISION DATE:	
DATUM: H:	V:
SCALE: N.T.S.	

FILENAME: 99229-02 MS: PS: LM: SCS:

FUSS & O'NEILL INC. *Consulting Engineers*
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
(860) 646-2469

SIGNS & TYPICAL INTERSECTION APPROACH TREATMENT
RIDGEFIELD REMEDIATION PROJECT
PREPARED FOR
THE CONNECTICUT LIGHT & POWER COMPANY
PROSPECT ST. TO FLORIDA RD. RIDGEFIELD, CONN.

JOB NUMBER	PHASE	DATE	SHEET NO.
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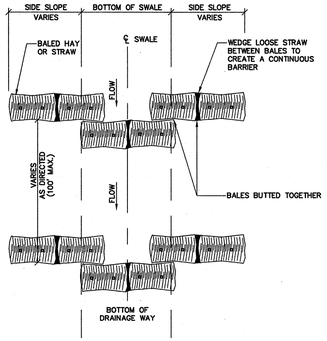
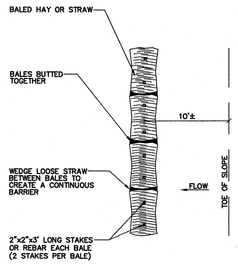
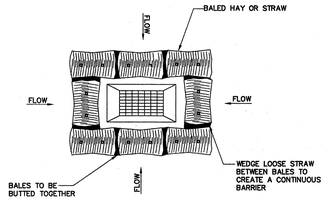
HAY BALES



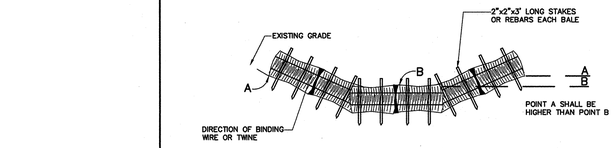
PLAN



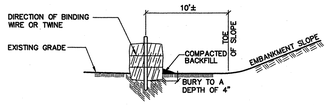
PLAN



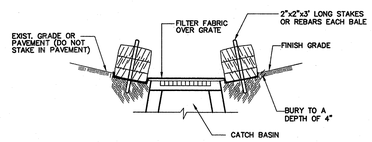
PLAN



SECTION AT SWALE



SECTION AT TOE OF SLOPE



SECTION AT LOW POINT

CONSTRUCTION SCHEDULE

1. CONSTRUCTION WILL COMMENCE ON OR ABOUT SUMMER 2000 AND BE COMPLETED ON OR ABOUT FALL 2000.
2. INSTALL ANTI-TRACKING APRON AT CONSTRUCTION ENTRANCES.
3. INSTALL SILT FENCE, HAY BALES AND OTHER EROSION CONTROL MEASURES AS INDICATED ON THE PLAN.
4. CLEAR AND GRUB, FORM TRAIL SUBGRADE, EXCAVATE FOR PLANTINGS, PLACE GEOMEMBRANE, GEOCOMPOSIT, PROCESSED AGGREGATE BASE AND STONE SCREENING SURFACE.
5. FINISH GRADE TRAIL, SHOULDERS AND ALL OTHER DISTRUBED AREAS.
6. LOAM AND SEED AREAS TO BE GRASSED. INSTALL LANDSCAPE PLANTINGS.
7. INITIATE A MAINTENANCE PROGRAM TO ENSURE EROSION AND SEDIMENTATION CONTROL.
8. REMOVE EROSION AND SEDIMENT CONTROL DEVICES AFTER ALL DISTRUBED AREAS HAVE BEEN PERMANENTLY STABLIZED.

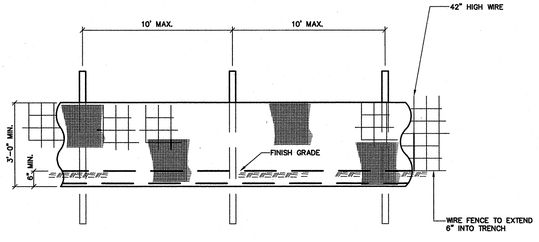
EXCAVATION AND SUBGRADE PREPARATION SEQUENCE

1. EXCAVATE ARSENIC IMPACTED SOIL FROM "AREAS OF ENVIRONMENTAL CONCERN" AS SHOWN ON THE PLANS. TEMPORARILY STOCKPILE THE MATERIAL, OR HAUL IT DIRECTLY TO AREAS WHICH HAVE BEEN PREPARED TO RECEIVE IMPACTED SOIL (AREAS UNDER PROPOSED GEOMEMBRANE).
2. ROUGH GRADE THE EXISTING RAILBED. EXCESS SOIL FROM AREAS OUTSIDE THE "AREAS OF ENVIRONMENTAL CONCERN" SHALL EITHER BE TEMPORARILY STOCKPILED OR HAULED DIRECTLY TO AREAS WHICH HAVE BEEN PREPARED TO RECEIVE EXCESS SOIL. SOIL FROM AREAS OUTSIDE THE "AREAS OF ENVIRONMENTAL CONCERN" MAY BE USED AS FILL MATERIAL ANYWHERE ON THE PROJECT.
3. REMOVE ORGANICS, STONES LARGER THAN 2 ½" IN THEIR GREATEST DIMENSION AND OTHER UNSUITABLE MATERIAL FROM SOIL THAT WILL BE PLACED UNDER THE GEOMEMBRANE.
4. GRADE THE MATERIAL TO ULTIMATELY ACHIEVE THE ELEVATIONS SHOWN ON THE PLANS. SEE TYPICAL TRAIL SECTION ON SHEET 15 FOR SPECIFIC SUBGRADE CROSS-SLOPE REQUIREMENTS.
5. COMPACT THE SUBGRADE TO THE REQUIREMENTS OUTLINED IN THE SPECIFICATIONS.
6. IF CONTRACTOR DESIRES TO USE A SUBGRADE PREPARATION SEQUENCE WHICH VARIES FROM THE ABOVE, THE SEQUENCE SHALL BE APPROVED BY THE ENGINEER PRIOR TO THE START OF CONSTRUCTION.

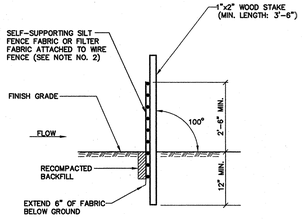
EROSION & SEDIMENT CONTROL NOTES

1. Erosion and sediment control measures shall be installed prior to clearing and grubbing and construction. Gravel construction entrance will be installed before construction traffic into and out of project area begins. Stabilization of all regraded and soil stockpile areas shall be initiated and maintained during all phases of construction.
2. All erosion and sediment control measures shall be constructed in accordance with standards and specifications of the "Guidelines for Soil Erosion and Sediment Control" published by The Connecticut Council on Soil and Water Conservation, dated January 1988. All erosion control measures are to be maintained and upgraded as required to achieve proper sediment control during construction. All grade benches shall be kept free of sediment during all phases of development.
3. Additional control measures shall be installed during the construction period, if deemed necessary by the Engineer.
4. Catch basins shall be protected with haybale filters throughout the construction period until all disturbed areas are thoroughly stabilized. Filter fabric shall be installed under grate opening until pavement is in place and lawn established.
5. Seeding mixture for finished grassed areas and planting details are shown on sheet 18.

   Planting seasons shall be April 1 to June 1 and August 15 to September 15. After September 15, areas will be stabilized with haybale check, filter fabric, or woodchip mulch, as required, to control erosion. For areas to have specific landscape coverage other than seeding or sodding, see the landscaping plan.
6. Areas to be left bare before finished grading and seeding is achieved, shall receive a temporary seeding of Perennial Ryegrass applied to a rate of 2 lbs./1,000 sq. ft. at a depth of 1/2 inch. Limestone (equivalent to be 50 percent calcium plus magnesium oxide) shall be applied as seedbed preparation at a rate of 90 lbs./1,000 sq. ft. Planting seasons shall be March 1 to June 15 and August 1 to October 1. Where grass predominates, fertilize according to a soil test at a minimum application rate of 1 lb. of nitrogen per 1,000 sq. ft.
   Areas to be left bare before finish grading and seeding outside of planting seasons shall receive an air-dried wood chip mulch, free of course matter, treated with 12 lbs. of nitrogen per ton, applied at a rate of 185-275 lbs./1,000 sq. ft.
7. The Contractor shall establish an erosion control line (haybale check or filter fabric) about ten (10') feet from toe to slope of proposed fill areas prior to beginning fill installation. Stabilization of slopes in fill areas (using mulch or grass) shall be initiated within thirty (30) days of commencement of fill installation.
8. Stabilization of slopes in cut areas (using mulch or grass) and the installation of control line (haybale check or filter fabric) at the toe of slope shall be initiated within the first (30) days of commencement of cut.
9. Sediment removed from control structures will be disposed of on-site in a manner which is consistent with the intent of this plan and at location approved in advance by the Engineer. All haybales or silt fence retaining sediment over 1/2 their height shall have the sediment removed and all damaged erosion controls removed and replaced.
10. The Contractor shall be assigned the responsibility for implementing this Erosion and Sediment Control Plan. This responsibility includes the installation and maintenance of control measures, informing all parties engaged on the construction site of the requirements and objectives of the plan, and notifying the Engineer this responsibility.
11. Stockpiles of soil shall be surrounded by a sediment barrier. Soil stockpiles to be left bare for more than fifteen (15) days shall be stabilized with temporary vegetation or mulch. If soil stockpiles are to remain for more than sixty (60) days, filter fabric shall be used in place of haybales. Side slopes shall not exceed 2:1.
12. The Contractor shall be responsible for the control of dust and wind erosion throughout the life of his contract. Dust control shall include, but is not limited to, sprinkling of water on exposed soils and haul roads. Contractor shall control dust to prevent a hazard to traffic on adjacent roadways, and a nuisance to neighboring properties.
13. If final grading is to be delayed for more than thirty (30) days after land disturbances cease, temporary vegetation or mulch shall be used to stabilize soils.
14. Haybales shall be used only as a temporary measure. Where control measures will be required for longer than sixty (60) days, filter fabric shall be used.
15. Where dewatering is necessary, there shall not be a discharge directly into wetlands or watercourses. Proper methods and devices shall be utilized to the extent permitted by law, such as pumping water into a temporary pump discharge basin, providing surge protection at the inlet and the outlet of pumps, floating the intake of the pump, or other methods to minimize and retain the suspended solids. If a pumping operation is causing turbidity problems, said operation shall cease until such time as feasible means of controlling turbidity are determined and implemented.
16. Any material tracked onto any existing roadway shall be swept up at the end of each day.



ELEVATION



SECTION

SILT FENCE NOTES:

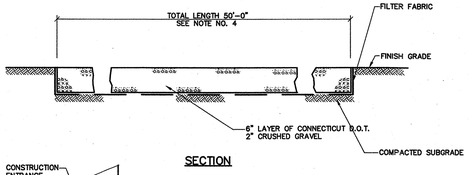
1.) INSTALL SILT FENCE & WOOD STAKES AS RECOMMENDED BY MANUFACTURER.

2.) SILT FENCE SUBJECT TO HEAVY LOADS SHALL BE REINFORCED WITH FARM FENCING & STEEL POSTS (0.5 POUNDS STEEL / LIN. FT.) THE MINIMUM POST LENGTH SHALL BE 5'-0".

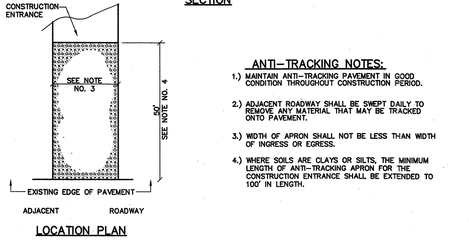
3.) SYNTHETIC FILTER FABRIC SHALL BE A PERVIOUS SHEET OF PROPYLENE , NYLON , POLYESTER OR ETHYLENE FILAMENTS AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENTS:

PHYSICAL PROPERTY	REQUIREMENTS
FILTERING EFFICIENCY	75% (MIN.)
TENSILE STRENGTH AT 20% (MAX.) ELONGATION	EXTRA STRENGTH 50 lbs. / LIN. IN.
	STANDARD STRENGTH 30 lbs. / LIN. IN. (MIN.)
FLOW RATE	0.3 GAL. / SQ. FT. / MIN. (MIN.)

SILT FENCE



SECTION



LOCATION PLAN

ANTI-TRACKING NOTES:

1.) MAINTAIN ANTI-TRACKING PAVEMENT IN GOOD CONDITION THROUGHOUT CONSTRUCTION PERIOD.

2.) ADJACENT ROADWAY SHALL BE SWEPT DAILY TO REMOVE ANY MATERIAL THAT MAY BE TRACKED ONTO PAVEMENT.

3.) WIDTH OF APRON SHALL NOT BE LESS THAN WIDTH OF INGRESS OR EGRESS.

4.) WHERE SOILS ARE CLAYS OR SILTS, THE MINIMUM LENGTH OF ANTI-TRACKING APRON FOR THE CONSTRUCTION ENTRANCE SHALL BE EXTENDED TO 100' IN LENGTH.

ANTI-TRACKING APRON

NOTE: THESE DETAILS WERE PART OF THE CONSTRUCTION DOCUMENTS AND ARE INCLUDED WITH THE RECORD DRAWINGS FOR CONVENIENCE ONLY.

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CHIEF DESIGNER:	
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STRUCTURAL	
ENVIRONMENTAL	
REVISION DATE:	
DATUM: H: V:	
SCALE: N.T.S.	

MS: | PS: | VCS: | FILENAME: 99229-D3

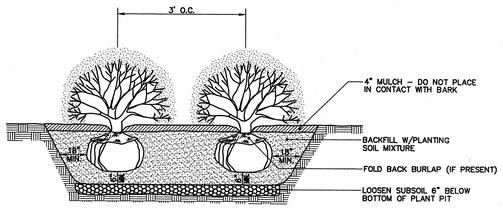
FUSS & O'NEILL INC. Consulting Engineers
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
(860) 646-2469

EROSION AND SEDIMENT CONTROL DETAILS
RIDGEFIELD REMEDIATION PROJECT
PREPARED FOR
THE CONNECTICUT LIGHT & POWER COMPANY
PROSPECT ST. TO FLORIDA RD. RIDGEFIELD, CONN.

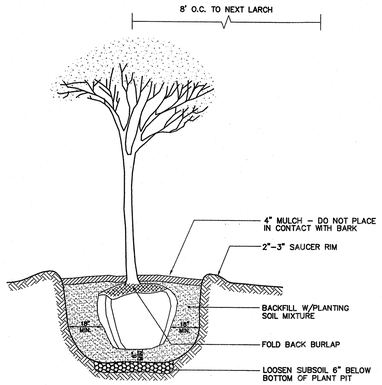
JOB NUMBER	PHASE	DATE	SHEET NO.
99229R10		JULY 2000	17 OF 18

NOTE: NO GEOCOMPOSITE, GEOMEMBRANE OR GEOTEXTILE SHALL BE PLACED IN AREAS OF PROPOSED PLANTINGS UNLESS OTHERWISE DIRECTED ON THE LAYOUT PLANS.

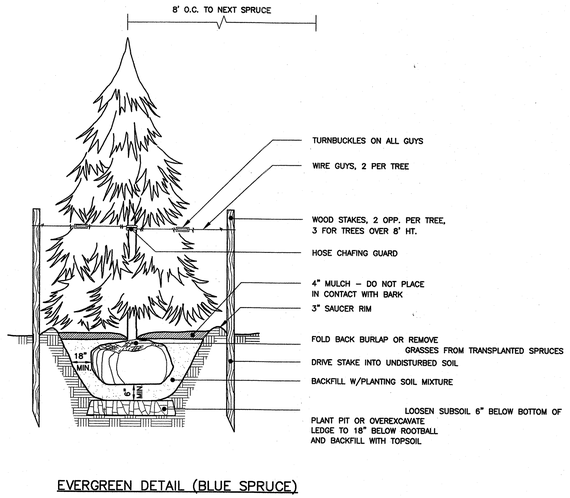
IT IS CRITICAL THAT PLANTING BEDS BE PREPARED AS SHOWN BECAUSE THE EXISTING RAILBED MATERIAL IS NOT CONDUCIVE TO ACCEPTABLE TREE OR SHRUB GROWTH.



SHRUB BED (ANDROMEDA)



DECIDUOUS TREE (LARCH)

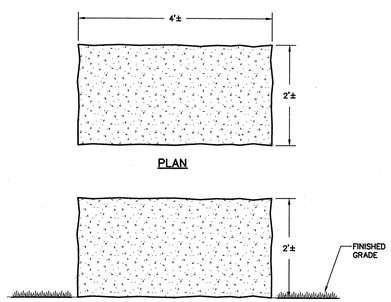


EVERGREEN DETAIL (BLUE SPRUCE)

PLANTING LEGEND		
COMMON NAME	SIZE	QUANTITIES
LARCH (LARIX DECIDUA)	4'–5', B & B	51
ANDROMEDA (PIERIS X MTN. FIRE)	18"–24" SPREAD POTS	478
BLUE SPRUCE (PICEA PUNGENS)	4'–5', B & B	158
ANY PLANTINGS INSTALLED WHICH FALL BELOW THE SIZES LISTED ABOVE SHALL BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.		

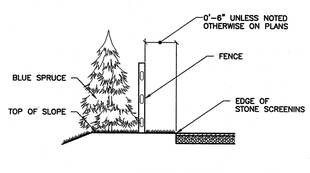
SEEDING LEGEND			
LOCATION	SEED TYPE		RATE
ALL DISTURBED AREAS BEYOND LIMITS OF TRAIL EXCEPT MULCHED AREAS.	TALL FESCUE BUFFALO GRASS PERENNIAL RYEGRASS (IMPROVED VARIETY) ANNUAL RYEGRASS (IMPROVED VARIETY)	45% 45% 5% 5%	150–200 LBS./ACRE

TREE AND SHRUB PLANTING DETAILS

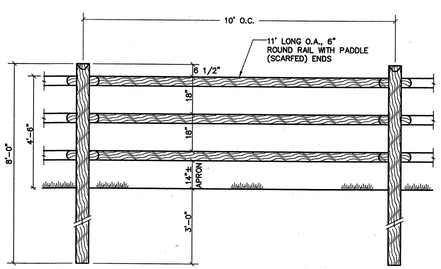


1. DIMENSIONS SHOWN ARE APPROXIMATE. ACTUAL SIZES MAY VARY.
2. BENCHES SHALL BE PLACED ON A COMPACTED, LEVEL SURFACE.
3. ALL SHARP EDGES, CORNERS, ECT. SHALL BE ROUNDED BY MEANS OF GRINDING.

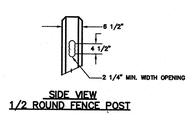
STONE BENCH
N.T.S.



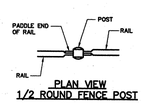
FENCE PLACEMENT



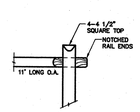
ROUND RAIL WOOD FENCE



SIDE VIEW
1/2 ROUND FENCE POST



PLAN VIEW
1/2 ROUND FENCE POST



FENCE RAIL

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RELEASED FOR CONSTRUCTION

PROJ. MANAGER:			
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FUSS & O'NEILL INC. Consulting Engineers
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040
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LANDSCAPING DETAILS
RIDGEFIELD REMEDIATION PROJECT
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