

Docket No. 272

The United Illuminating Company and the Connecticut Light & Power Company application for a Certificate of Environmental Compatibility and Public Need for the construction of a 345kV electric transmission line and associated facilities between the Scovill Rock Switching Station in the Town of Middletown and the Norwalk Substation in the Town of Norwalk, Connecticut.

APPENDIX D

TRANSMISSION LINE DRAWINGS

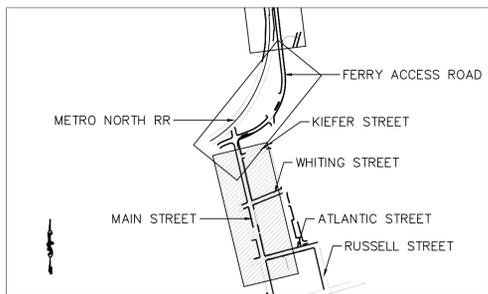
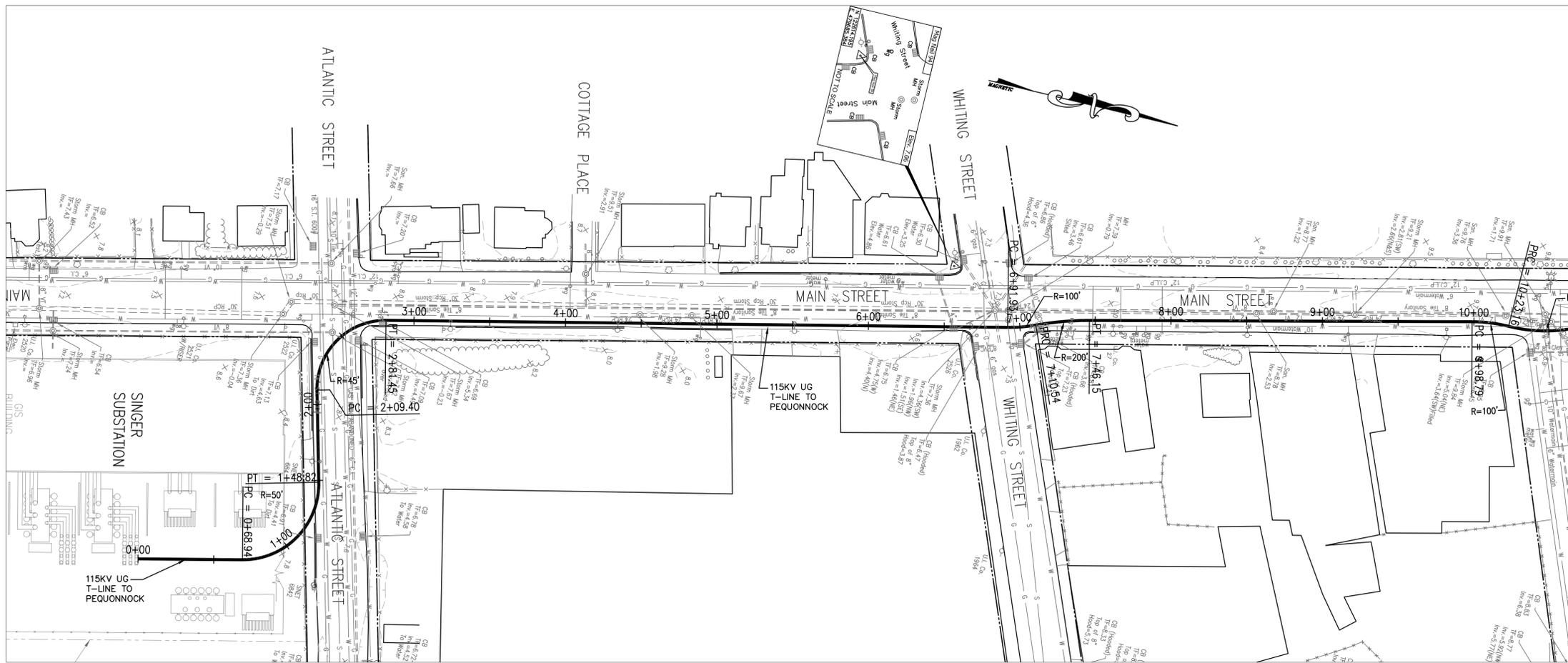
Docket No. 272

The United Illuminating Company and the Connecticut Light & Power Company application for a Certificate of Environmental Compatibility and Public Need for the construction of a 345kV electric transmission line and associated facilities between the Scovill Rock Switching Station in the Town of Middletown and the Norwalk Substation in the Town of Norwalk, Connecticut.

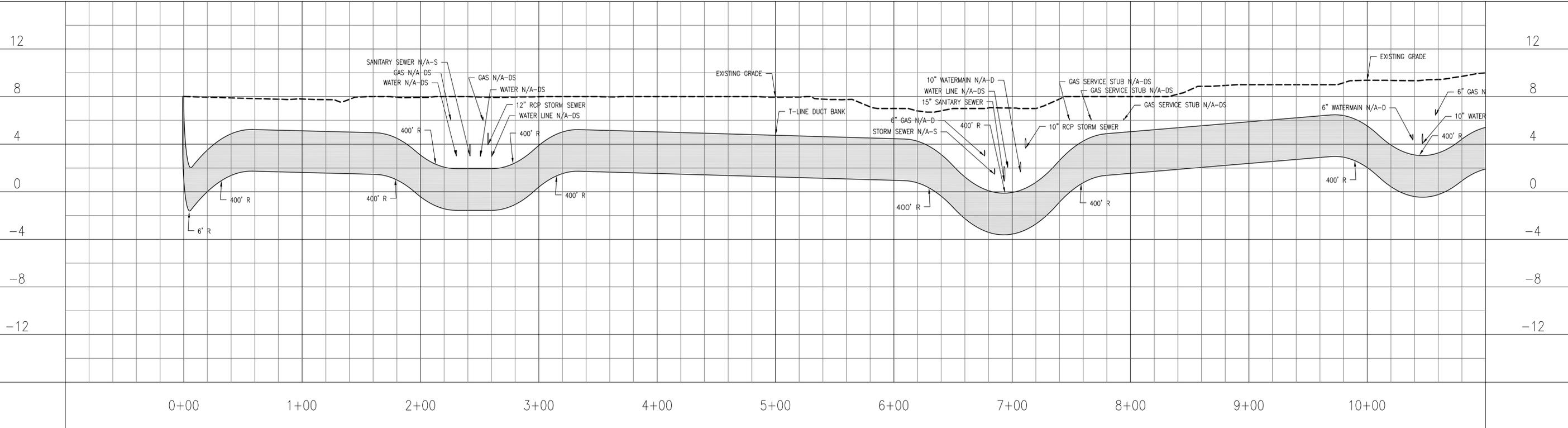
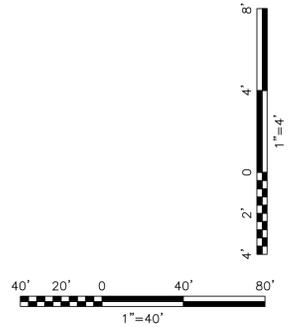
APPENDIX D TABLE OF CONTENTS TRANSMISSION LINE DRAWINGS

TRANSMISSION LINE

<u>Drawing No.</u>	<u>Drawing Title</u>
24215-700	Singer – Pequonnock 115kV UG Transmission Line Plan & Profile Drawings
24215-701	Singer – Pequonnock 115kV UG Transmission Line Plan & Profile Drawings
24215-702	Singer – Pequonnock 115kV UG Transmission Line Plan & Profile Drawings
24215-703	Middletown – Norwalk Project 115kV UG Transmission Line Sections Cuts
24215-704	Middletown – Norwalk Project Pavement Restoration Details
24215-705	Middletown – Norwalk Project Sediment and Erosion Control Details
24215-706	Middletown – Norwalk Project Maintenance and Protection Of Traffic Plans
24216-700	Singer – Bridgeport Energy 115kV UG Transmission Line Plan & Profile Drawing



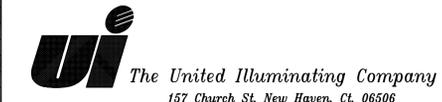
GENERAL NOTES:
 1. ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD). TO CONVERT THIS DATUM TO THE CITY OF BRIDGEPORT DATUM ADD 13.51 FT.



PRELIMINARY
 NOT TO BE USED FOR CONSTRUCTION

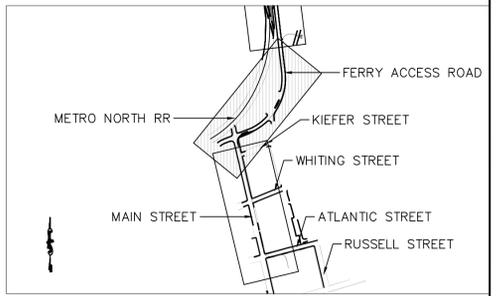
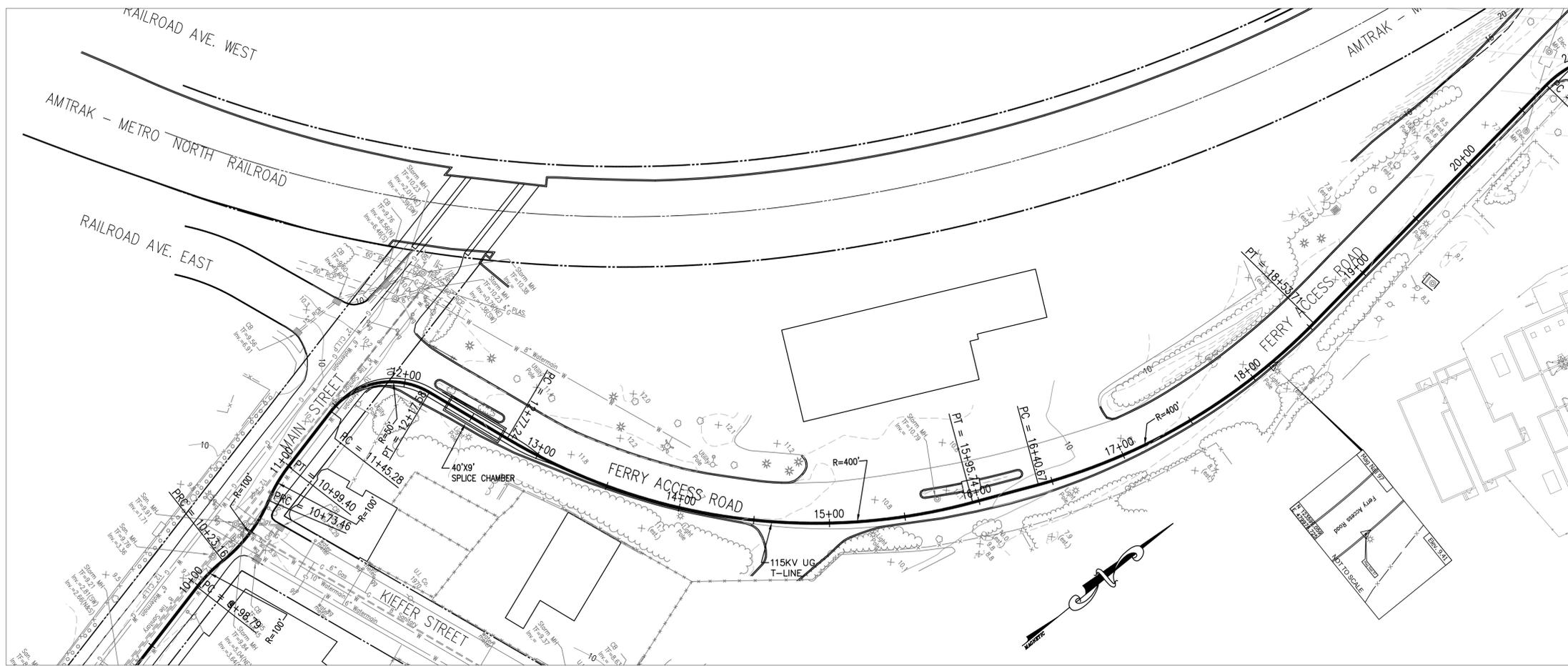
BLACK & VEATCH	
PROJECT NO. 136745	
DRAWN	WJB
DESIGNED	ASM
APPROVED	-
CHECKED	-

0	4/11/2005	INITIAL ISSUE	WJB	-	ASM	-
A	2/17/2005	ISSUED FOR 30% REVIEW	WJB	-	ASM	-
No	Date	Revision	By	Chkd.	Engr.	Supv.

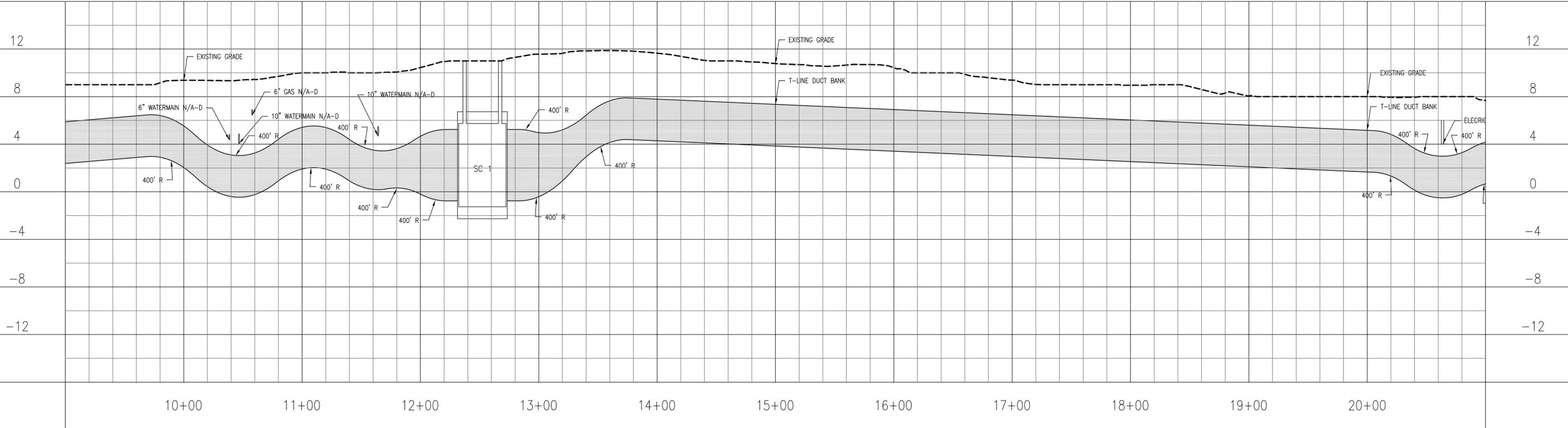
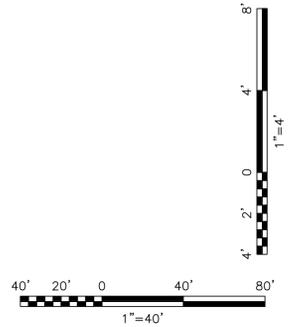


Drawn	Date	Scale:	AS NOTED
Chkd.	Design Engr.	Design Supv.	

SINGER-PEQUONNOCK 115KV UG TRANSMISSION LINE PLAN & PROFILE DRAWINGS		
CAD FILE NAME	SEQUENCE No.	DRAWING NUMBER
MNBASE_01		24215-700



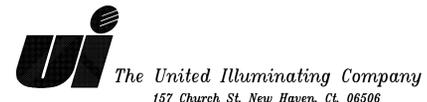
GENERAL NOTES:
 1. ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD). TO CONVERT THIS DATUM TO THE CITY OF BRIDGEPORT DATUM ADD 13.51 FT.



PRELIMINARY
 NOT TO BE USED FOR CONSTRUCTION

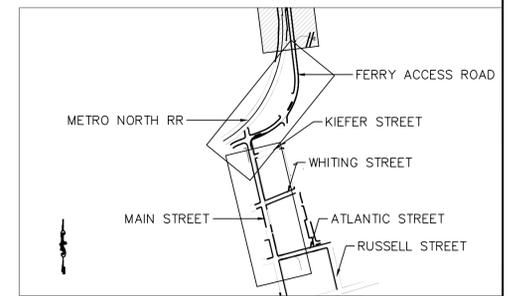
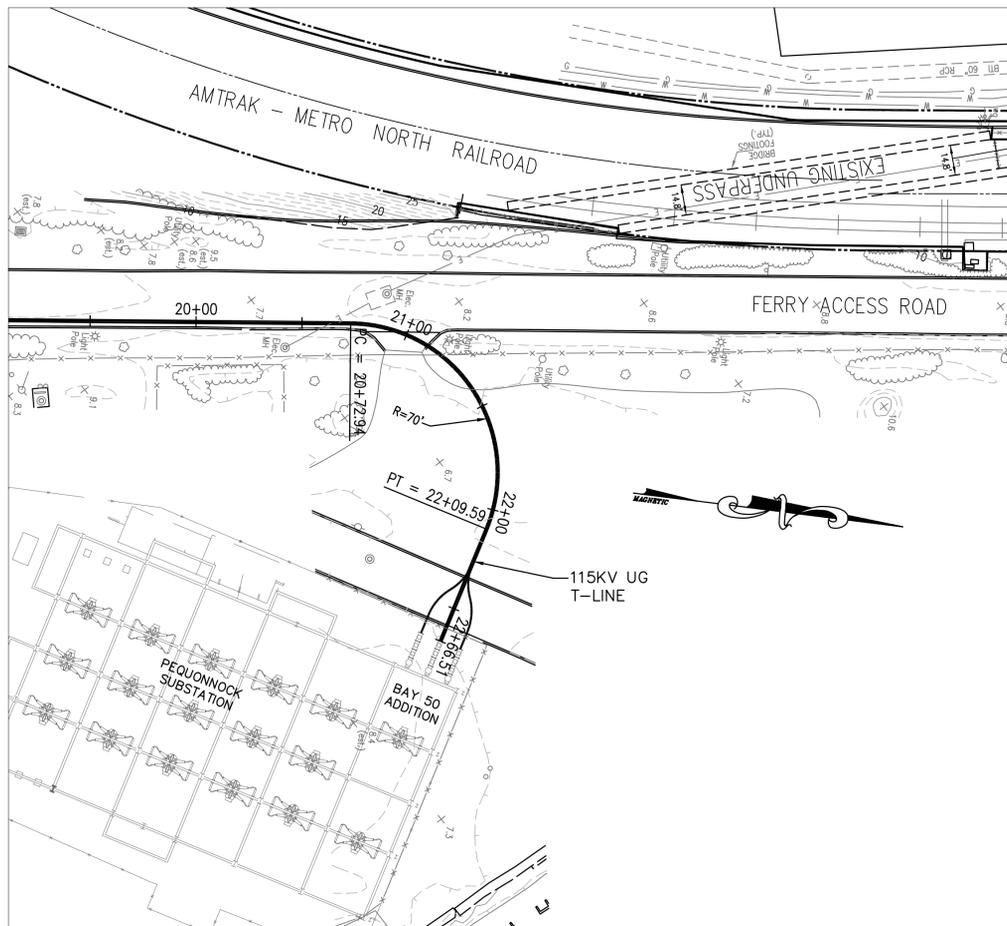
BLACK & VEATCH	
PROJECT NO. 136745	
DRAWN	WJB
DESIGNED	ASM
APPROVED	-
CHECKED	-

0	4/11/2005	INITIAL ISSUE	WJB	-	ASM	-
A	2/17/2005	ISSUED FOR 30% REVIEW	WJB	-	ASM	-
No	Date	Revision	By	Chkd.	Engr.	Supv.

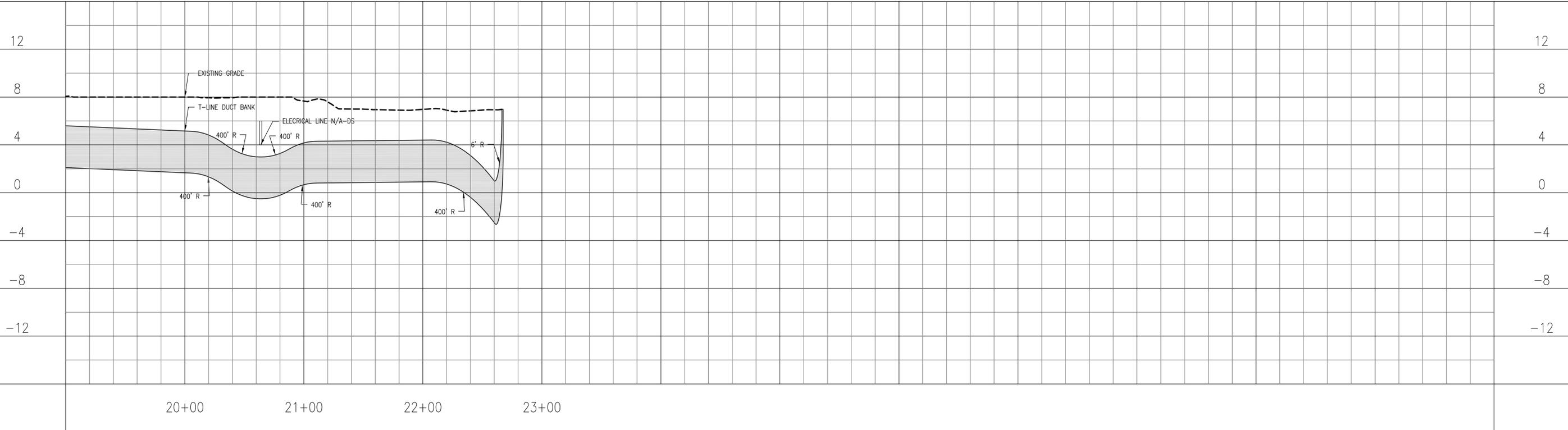
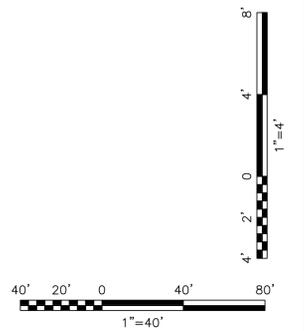


SINGER-PEQUONNOCK
 115KV UG TRANSMISSION LINE
 PLAN & PROFILE DRAWINGS

Drawn	Date	Scale:	AS NOTED
Chkd.	Design Engr.	Design Supv.	
CAD FILE NAME		SEQUENCE No.	DRAWING NUMBER
MNBASE_01			24215-701



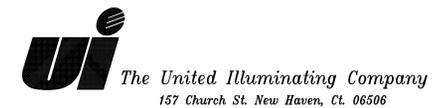
GENERAL NOTES:
 1. ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD). TO CONVERT THIS DATUM TO THE CITY OF BRIDGEPORT DATUM ADD 13.51 FT.



PRELIMINARY
 NOT TO BE USED FOR CONSTRUCTION

BLACK & VEATCH	
PROJECT NO. 136745	
DRAWN	WJB
DESIGNED	ASM
APPROVED	-
CHECKED	-

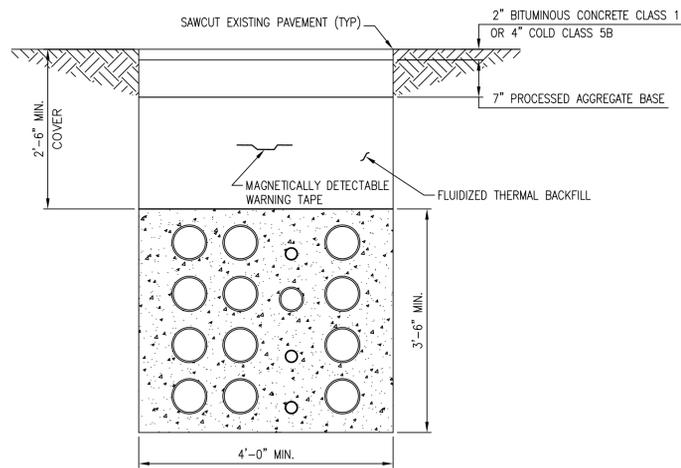
0	4/11/2005	INITIAL ISSUE	WJB	-	ASM	-
A	2/17/2005	ISSUED FOR 30% REVIEW	WJB	-	ASM	-
No	Date	Revision	By	Chkd.	Engr.	Supv.



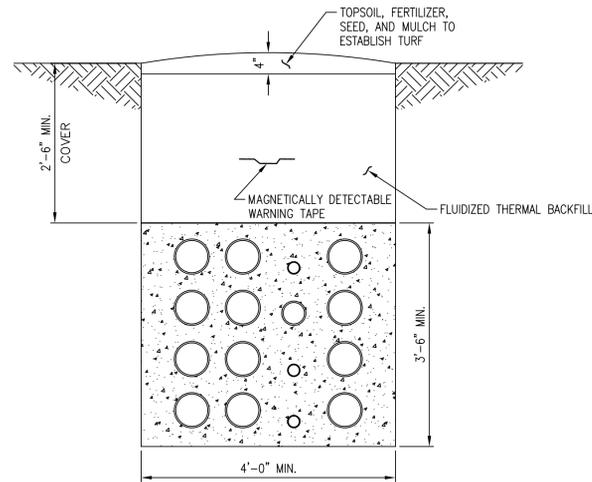
SINGER-PEQUONNOCK
 115KV UG TRANSMISSION LINE
 PLAN & PROFILE DRAWINGS

Drawn	Date	Scale:	AS NOTED
Chkd.	Design Engr.	Design Supv.	

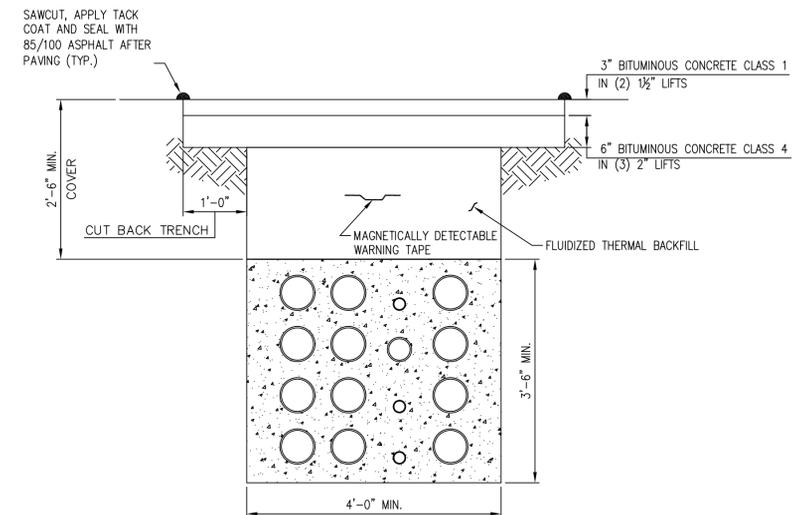
CAD FILE NAME	SEQUENCE No.	DRAWING NUMBER
MNBASE_01		24215-702



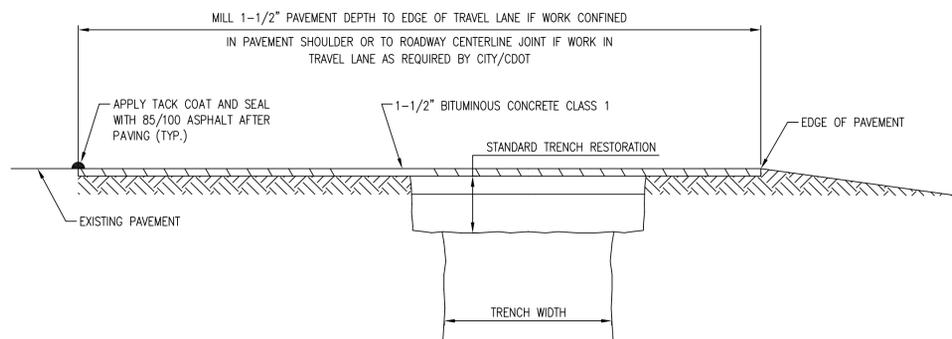
DETAIL A
STANDARD TRENCH WITH
TEMPORARY PAVEMENT RESTORATION
SCALE: 3/4" = 1'-0"



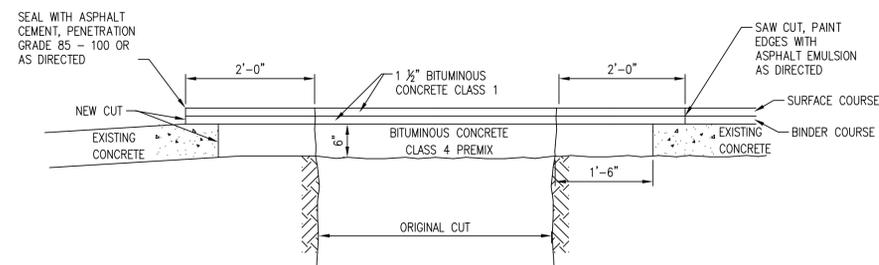
DETAIL B
STANDARD TRENCH
OFF-PAVEMENT RESTORATION
SCALE: 3/4" = 1'-0"



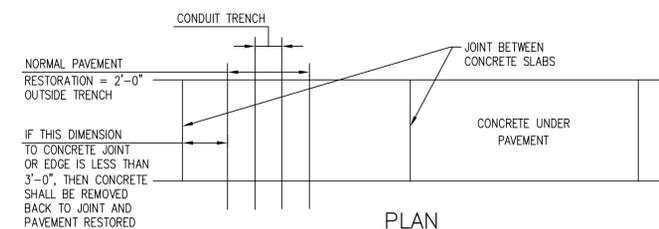
DETAIL C
STANDARD TRENCH WITH
PERMANENT PAVEMENT RESTORATION
SCALE: 3/4" = 1'-0"



DETAIL D
PAVEMENT REPLACEMENT- MILLING AND OVERLAY
NOT TO SCALE



DETAIL E
PAVEMENT REPLACEMENT - BITUMINOUS
CONCRETE OVER CONCRETE
NOT TO SCALE

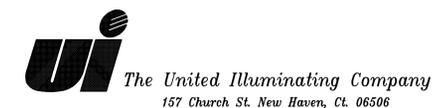


DETAIL F
PAVEMENT RESTORATION
OVER CONCRETE BASE
NOT TO SCALE

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

	BLACK & VEATCH
PROJECT NO.	136745
DRAWN	
DESIGNED	
APPROVED	0 04-11-05 INITIAL ISSUE
CHECKED	No Date Revision

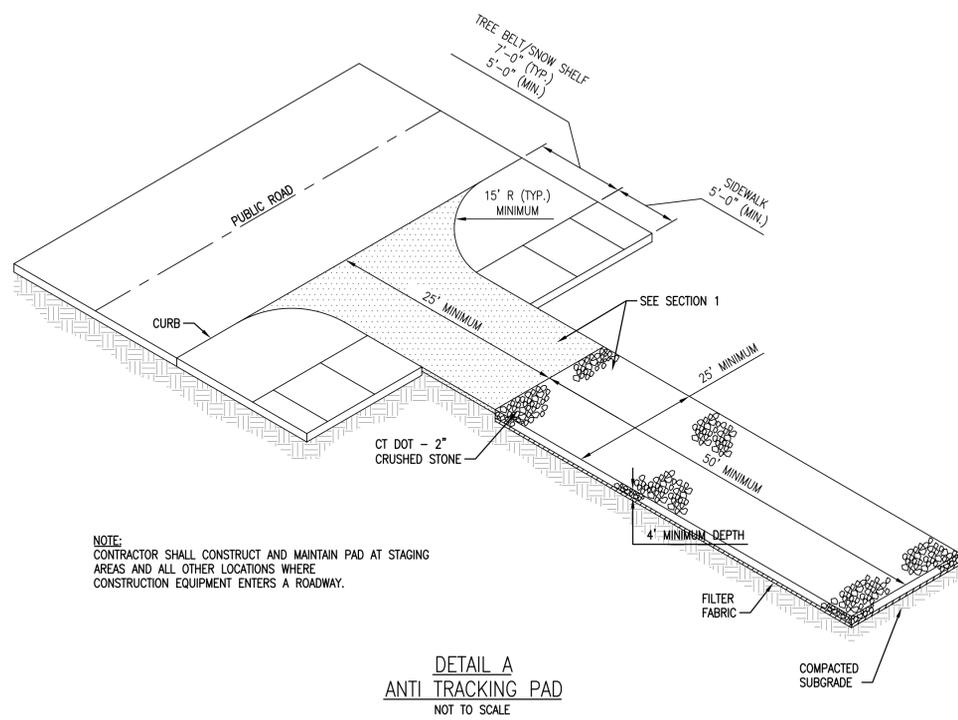
ETK	RJN
By	Chkd. Engr. Supv.



Drawn	Date	Scale: AS NOTED
Chkd.	Design Engr.	Design Supv.

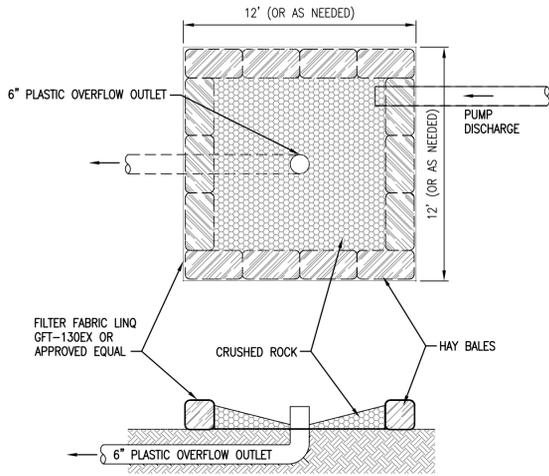
SINGER - PEQUONNOCK
115KV UG TRANSMISSION LINE
PAVEMENT RESTORATION DETAILS

CAD FILE NAME	SEQUENCE No.	DRAWING NUMBER
24215-704		24215-704



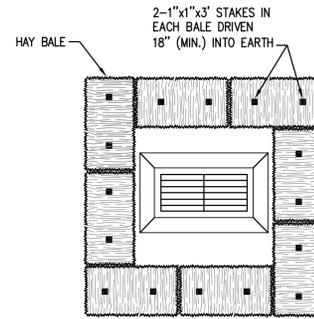
NOTE:
CONTRACTOR SHALL CONSTRUCT AND MAINTAIN PAD AT STAGING AREAS AND ALL OTHER LOCATIONS WHERE CONSTRUCTION EQUIPMENT ENTERS A ROADWAY.

DETAIL A
ANTI TRACKING PAD
NOT TO SCALE

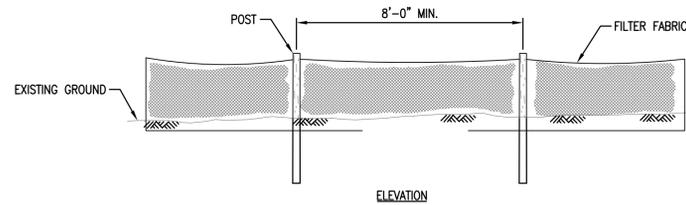
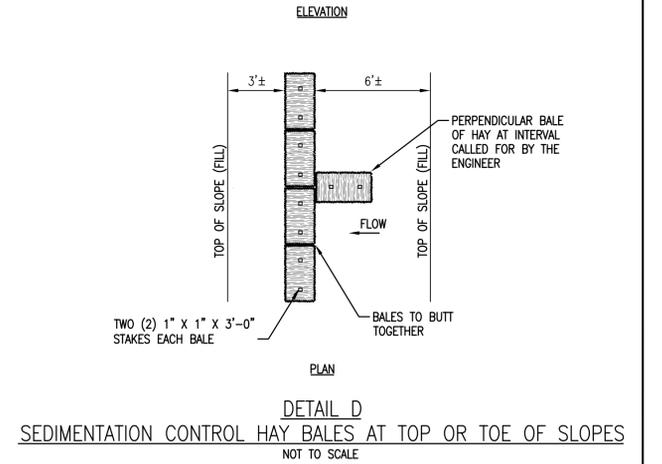
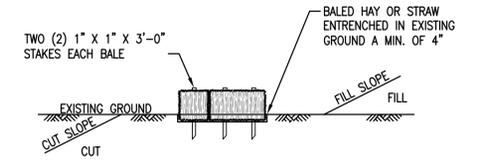


NOTES:
1. 12' x 12' ARE APPROXIMATE DIMENSIONS FOR DEWATERING BASIN. DEPENDING UPON DISCHARGE TO THE BASIN THE DIMENSIONS MAY BE ADJUSTED BY THE ENGINEER.
2. ALTERNATE DESIGNS SHALL BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION.

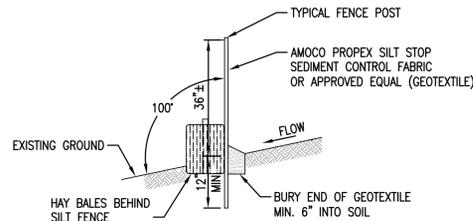
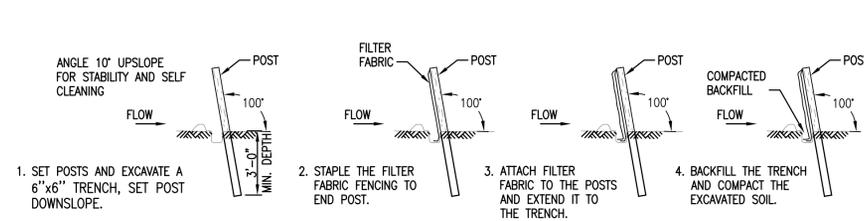
DETAIL B
TEMPORARY PUMP DEWATERING DISCHARGE BASIN
NOT TO SCALE



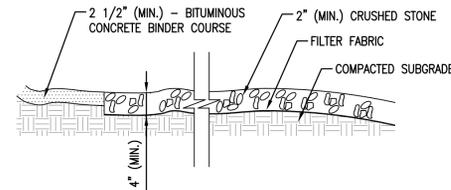
DETAIL C
SEDIMENTATION CONTROL BALE PLACEMENT AT CATCH BASINS
NOT TO SCALE



DETAIL E
SILT FENCE
NOT TO SCALE



DETAIL F
SILT FENCE WITH HAY BALES
NOT TO SCALE

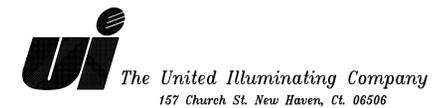


SECTION 1
NOT TO SCALE

NOTES:
1. HAY BALES SHALL BE A MINIMUM OF 2'-0" IN HEIGHT FROM GRADE TO TOP OF HAY BALE.
2. FILTER FABRIC SHALL BE 2'-0" MINIMUM ABOVE GRADE.

PRELIMINARY
NOT TO BE USED FOR CONSTRUCTION

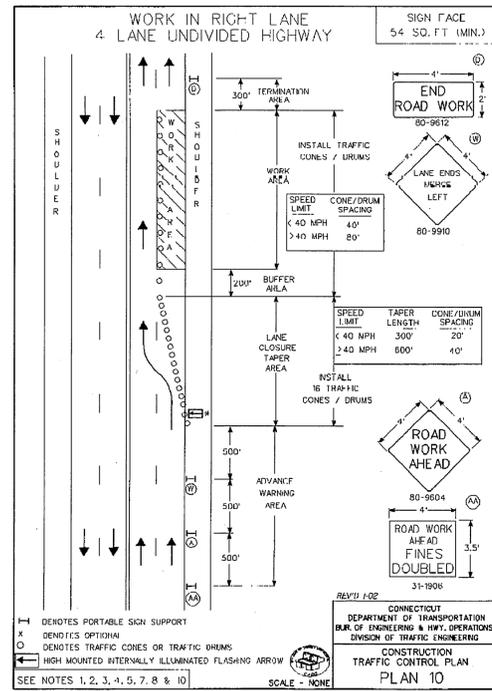
	BLACK & VEATCH
PROJECT NO.	136745
DRAWN	SML
DESIGNED	ASM
APPROVED	0 04-11-05 INITIAL ISSUE
CHECKED	No Date Revision



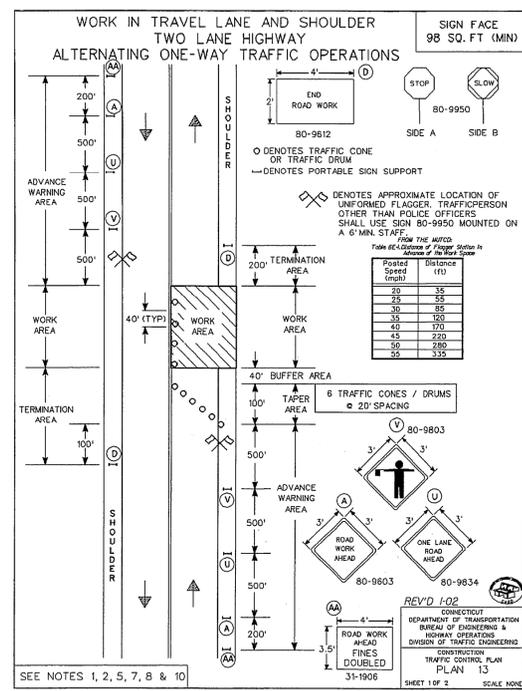
SINGER - PEQUONNOCK
115KV UG TRANSMISSION LINE
SEDEMENT AND EROSION
CONTROL DETAILS

Drawn	Date	Scale: AS NOTED
Chkd.	Design Engr.	Design Supv.

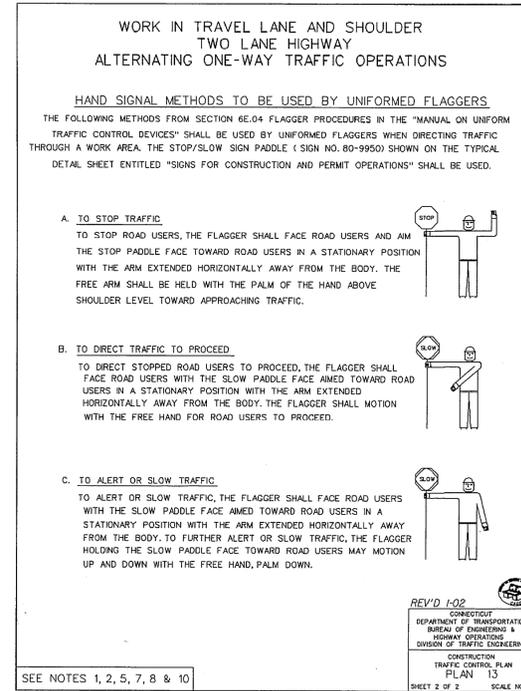
CAD FILE NAME	SEQUENCE No.	DRAWING NUMBER
24215-705		24215-705



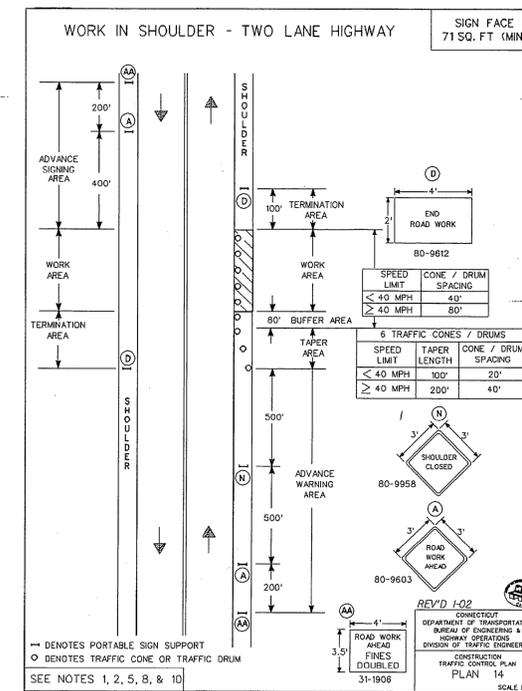
WORK IN RIGHT LANE
4 LANE UNDIVIDED HIGHWAY
 NOT TO SCALE



WORK IN TRAVEL LANE AND SHOULDER
TWO LANE HIGHWAY
ALTERNATING ONE-WAY TRAFFIC OPERATION
 NOT TO SCALE

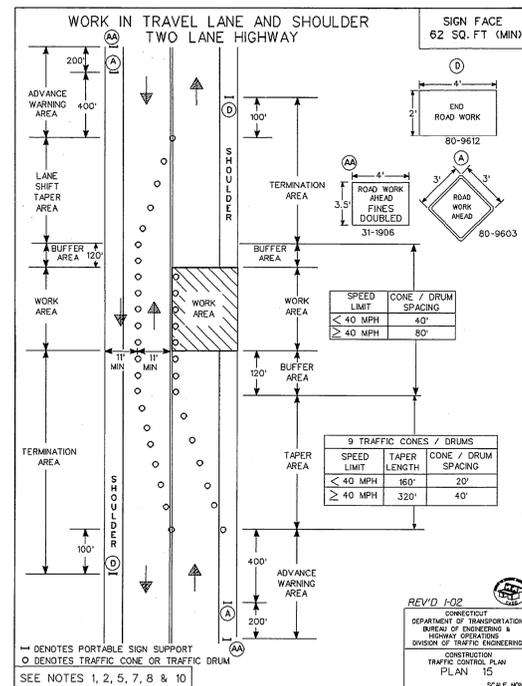


SEE NOTES 1, 2, 5, 7, 8 & 10

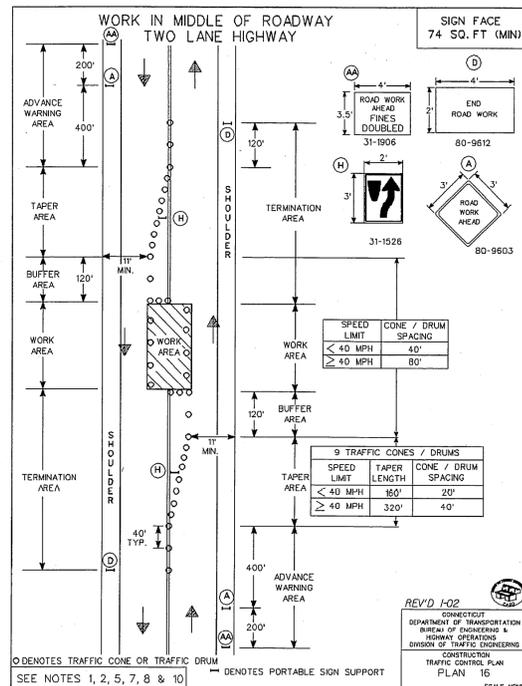


WORK IN SHOULDER - TWO LANE HIGHWAY
 NOT TO SCALE

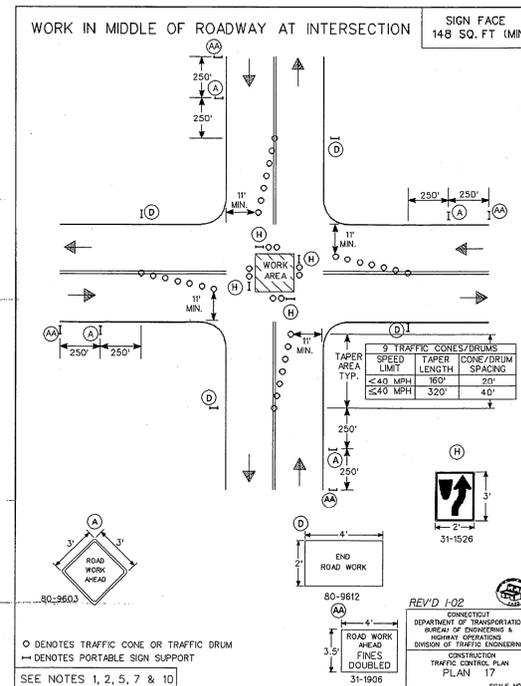
NOTE:
 CONSTRUCTION SIGNS AND DRUMS SHALL HAVE BARRICADE WARNING LIGHTS MOUNTED AS REQUIRED FOR NIGHT TIME CONSTRUCTION.



WORK IN TRAVEL LANE AND SHOULDER
TWO LANE HIGHWAY
 NOT TO SCALE

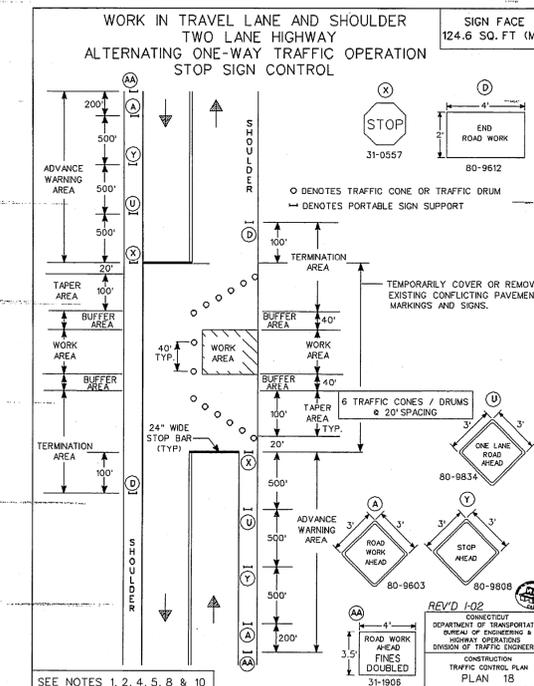


WORK IN MIDDLE OF ROADWAY
TWO LANE HIGHWAY
 NOT TO SCALE



SEE NOTES 1, 2, 5, 7 & 10

WORK IN MIDDLE OF INTERSECTION
 NOT TO SCALE



WORK IN TRAVEL LANE AND SHOULDER
TWO LANE HIGHWAY
ALTERNATING ONE-WAY TRAFFIC OPERATION
STOP SIGN CONTROL
 NOT TO SCALE

PRELIMINARY
 NOT TO BE USED FOR CONSTRUCTION

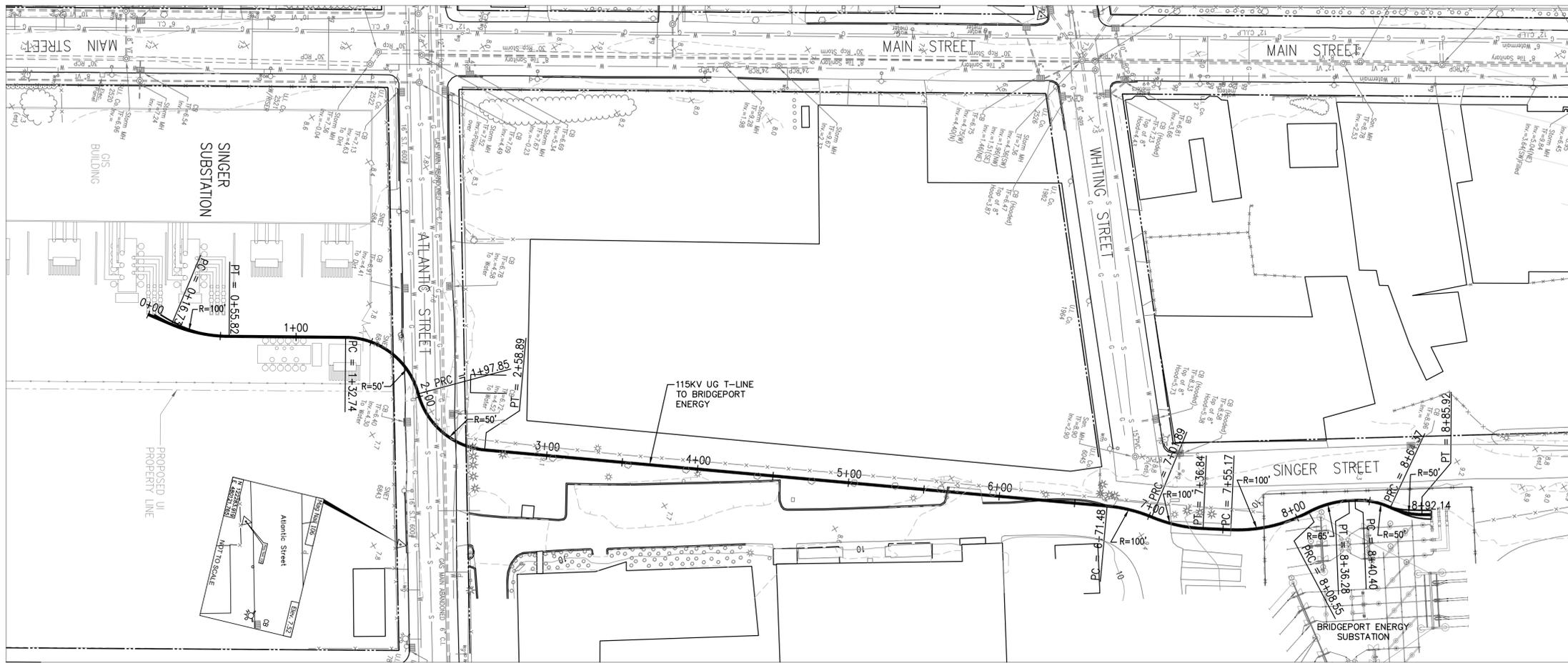
BLACK & VEATCH
 PROJECT NO. 136745
 DRAWN SML
 DESIGNED ASM
 APPROVED
 CHECKED

0 04-11-05 INITIAL ISSUE
 No Date Revision
 SMK RSM
 By Chkd. Engr. Supv.

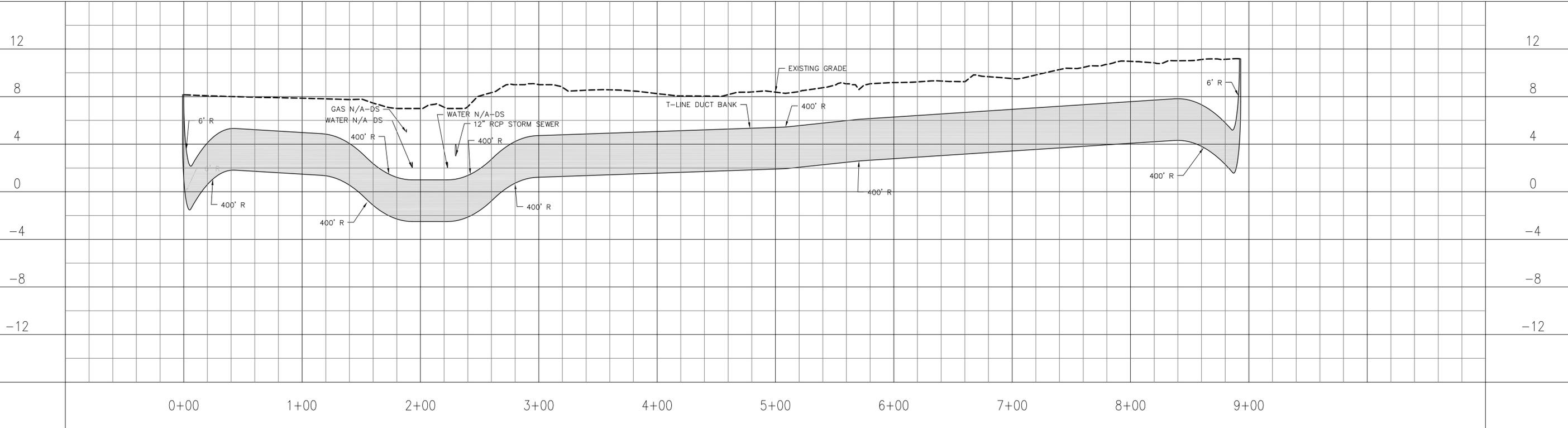
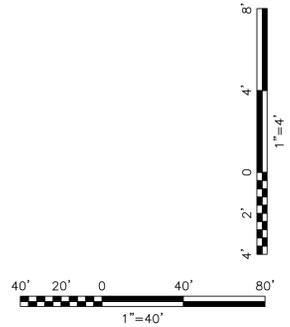
ui
The United Illuminating Company
 157 Church St. New Haven, Ct. 06508

SINGER - PEQUONNOCK
 115kV UG TRANSMISSION LINE
 MAINTENANCE AND PROTECTION
 OF TRAFFIC PLANS

Drawn Date Scale: AS NOTED
 Design Engr. Design Supv.
 CAD FILE NAME SEQUENCE No. DRAWING NUMBER
 24215-706 24215-706 24215-706



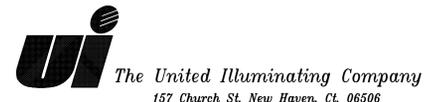
GENERAL NOTES:
 1. ELEVATIONS BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD). TO CONVERT THIS DATUM TO THE CITY OF BRIDGEPORT DATUM ADD 13.51 FT.



PRELIMINARY
 NOT TO BE USED FOR CONSTRUCTION

BLACK & VEATCH	
PROJECT NO. 136745	
DRAWN	WJB
DESIGNED	ASM
APPROVED	-
CHECKED	-

0	4/11/2005	INITIAL ISSUE	WJB	-	ASM
A	2/17/2005	ISSUED FOR 30% REVIEW	WJB	-	ASM
No	Date	Revision	By	Chkd.	Engr. Supv.



Drawn	Date	Scale: AS NOTED
Chkd.	Design Engr.	Design Supv.

SINGER-BRIDGEPORT ENERGY 115KV UG TRANSMISSION LINE PLAN & PROFILE DRAWING		
CAD FILE NAME	SEQUENCE No.	DRAWING NUMBER
MNBASE_01		24216-700