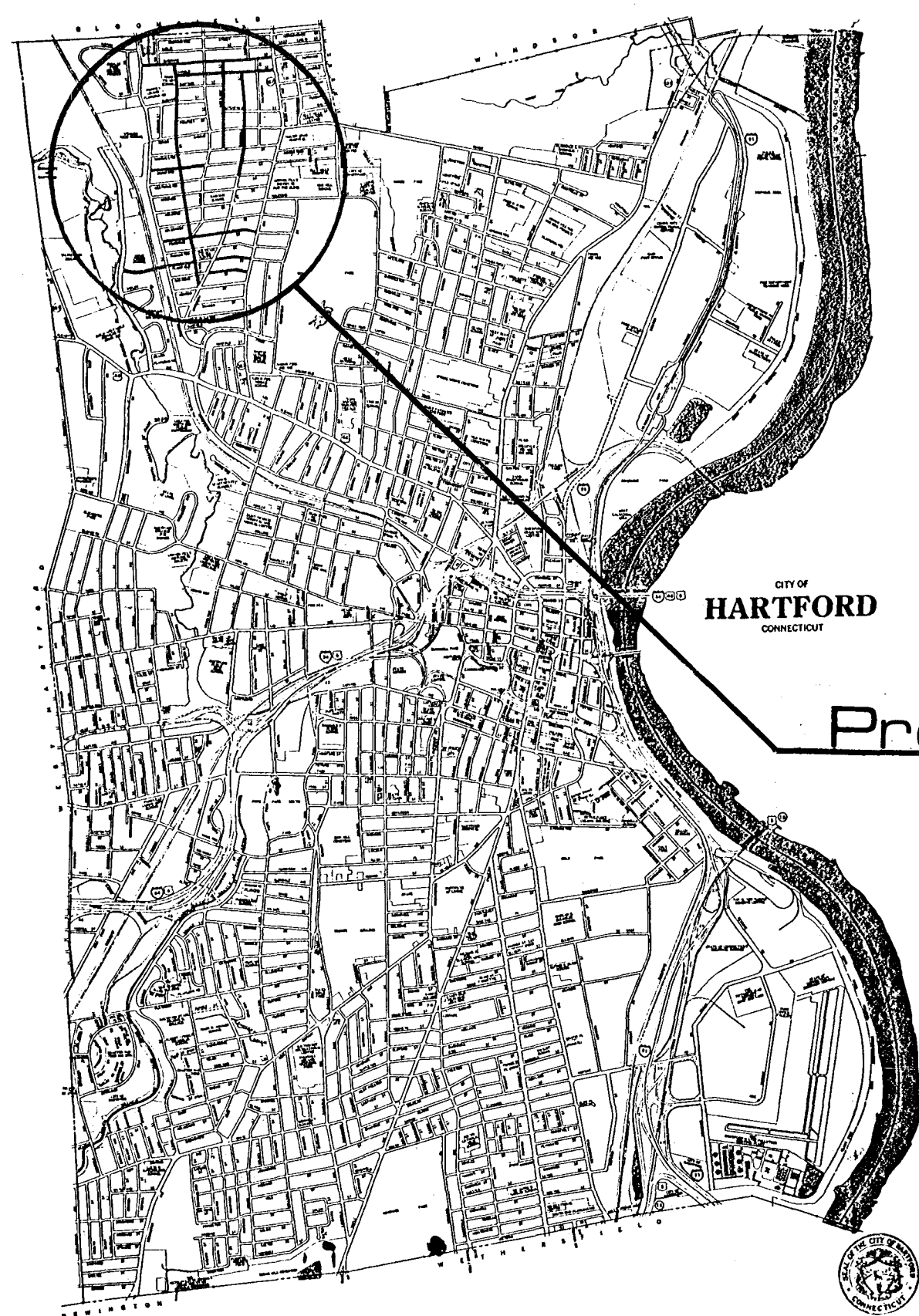


# CITY OF HARTFORD

## DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING SERVICES

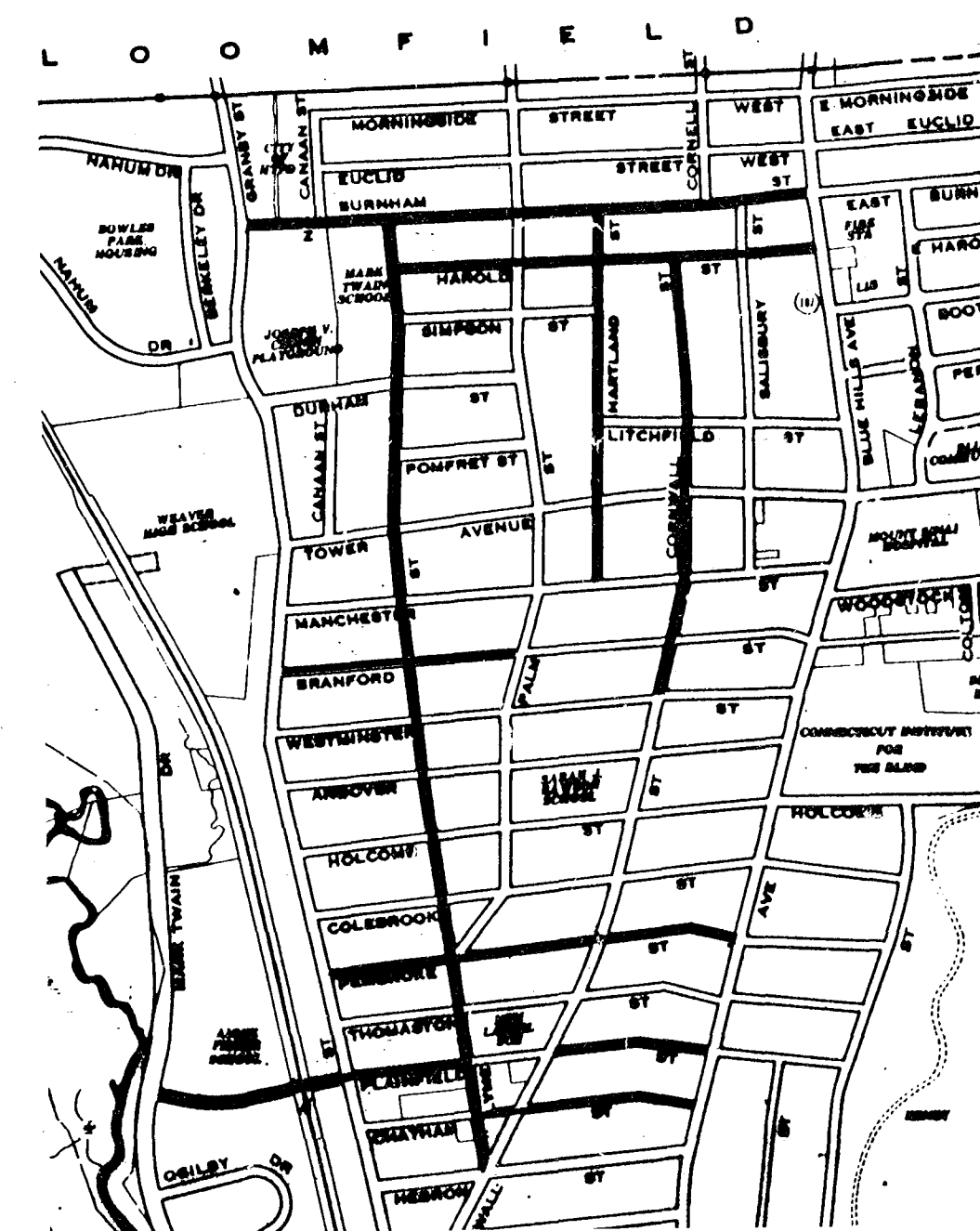


### PLANS

FOR

## RECONSTRUCTION OF SECONDARY ROADS

CONTRACT NO. E85-29



SITE PLAN

### LOCATION PLAN

#### LEGEND

	CATCH BASIN		POST
	DROP INLET		RR CROSSING
	EVERGREEN		SHRUB
	FENCE		SIGN
	POLICE ALARM BOX		STONE WALL
	FIRE HYDRANT		SWAMP
	FLAGPOLE		TELEPHONE
	GUIDEWAY		TRAFFIC CONTROL BOX
	LAMP POST		TRAFFIC CONTROL TREE
	LIGHT POLE		TRAFFIC SIGNAL POLE
	MAILBOX		TRAFFIC SIGNAL OH
	MANHOLE/CATCHBASIN		TREE
	PARKING METER		UTILITY POLE
	POLICE ALARM BOX		UTILITY POLE W/ LIGHT
	GAS BOX		SANITARY MH
	WATER BOX		STORM MH
	WATER GATE VALVE		HELCO MH
	GAS GATE VALVE		SNETCO MH

#### PLAN

A	-	Arclength
B.M.	-	Bench Mark
C.B.	-	Catch Basin
P.C.	-	Point of Curves
P.T.	-	Point of Tangency
R	-	Radius
S.L.	-	Street Line
T	-	Tangent

#### PROFILE

C	-	Curb
C.B.	-	Catch Basin
C.L.	-	Center Line
P.V.C.	-	Point of Vertical Curvature
P.V.I.	-	Point of Vertical Intersection
P.V.T.	-	Point of Vertical Tangency

E	-	East
N	-	North
S	-	South
W	-	West

#### GENERAL

- ELEVATIONS ARE BASED ON METROPOLITAN DISTRICT COMMISSION (MDC) DATUM.
- COORDINATES BASED ON MDC COORDINATE GRID SYSTEM.
- ALL CROSS WALKS AND STOP BARS INSTALLED TO BE 12 INCH WHITE PLASTIC PAVEMENT MARKINGS.
- CROWN LINES ARE LOCATED ON PROPOSED CENTERLINES OR BASELINES EXCEPT WHERE OTHERWISE INDICATED.
- RIM OR FRAME ELEVATIONS OF ALL UTILITY GATE BOXES, HANDHOLES, MANHOLES, AND CATCH BASINS ARE TO BE ADJUSTED AS REQUIRED TO MATCH PROPOSED FINISHED PAVED SURFACES.
- ALL CATCH BASINS TO BE CLEANED AND PIPES FLUSHED AFTER PLACING BINDER COURSE OR PREMIX BITUMINOUS BASE AND BEFORE FINAL COURSE.
- THE LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE LOCATIONS SHOWN ON THE DRAWINGS AND FOR THE PROTECTION OF SERVICES DURING CONSTRUCTION. IN THE CASE OF DAMAGE, REPAIRS AND OR REPLACEMENTS SHALL BE DONE BY THE CONTROLLING UTILITY CO. AT THE CONTRACTOR'S EXPENSE.
- PUBLIC PROPERTY OR PRIVATE PROPERTY SUCH AS MAIL BOXES, LIGHT POLES, SIDEWALKS, SHRUBS, FENCES, STREET SIGNS, ETC. DAMAGED OR DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED TO LIKE CONDITION AT THE CONTRACTOR'S EXPENSE AS DIRECTED BY THE ENGINEER.
- GUTTER GRADES SHOWN ON THE DRAWINGS WERE DEVELOPED FROM SURVEY OF THE EXISTING ROADWAYS AT 25' STATIONS. ADJUSTMENT OF GUTTER GRADES MAY BE REQUIRED TO MEET EXISTING ROADWAY CONDITIONS AS DIRECTED BY THE ENGINEER.
- LIMITS OF LOAMING AND SEEDING ARE NOT SHOWN ON THE DRAWING, FINAL LIMITS SHALL BE AS DIRECTED BY THE ENGINEER.
- LOCAL FIRE DEPARTMENT AUTHORITY SHALL BE CONTACTED 24 HOURS PRIOR TO THE "REMOVING AND RESETTING" OF HYDRANTS. FINAL TESTING AND DISINFECTION OF WATER LINES AS DIRECTED BY THE ENGINEER.
- FORTY EIGHT HOURS PRIOR TO ANY EXCAVATION THE CONTRACTOR SHALL USE THE TOLL FREE STATEWIDE TELEPHONE NUMBER 1-800-922-4455 TO LOCATE AND NOTIFY UTILITIES WITHIN THE AREA OF CONSTRUCTION.

#### NOTES

- ALL STORM DRAINS TO HAVE A MINIMUM SLOPE OF .005 FT/FT WITH A MINIMUM OF 2" OF COVER.
- FINAL LOCATION, LENGTHS AND WIDTHS OF DRIVEWAYS SHALL BE AS DIRECTED BY THE ENGINEER.
- EACH LAYER OF MATERIAL USED FOR BACKFILL, EMBANKMENT, ROADBED OR FOUNDATIONS FOR STRUCTURES SHALL BE COMPACTED UNTIL THE DRY DENSITY OF EACH LAYER IS AT LEAST 97 PERCENT OF THE DRY DENSITY ACHIEVED BY THE AASHTO TEST T-180, METHOD D FOR THAT SOIL.
- THE OWNER RESERVES THE RIGHT TO ELIMINATE ANY PORTION OF THE ROADWAY CONTRACT AT ANY TIME. FINAL PAYMENT WILL BE MADE BASED UPON ACTUAL QUANTITIES COMPLETED AT THE BID UNIT PRICE. NO CLAIM WILL BE ALLOWED FOR ADDITIONAL COMPENSATION OR ANTICIPATED PROFIT ON ITEMS THAT HAVE BEEN DECREASED OR ELIMINATED.
- PROPERTY LINES AND EASEMENTS AS SHOWN ON THE PLANS ARE APPROXIMATE, EXACT LOCATIONS OF PROPERTY LINES AND EASEMENTS TO BE DETERMINED BY THE CONTRACTOR AS REQUIRED.
- ANY PRIVATELY OWNED LAWN AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE LOAMED AND SODDED.
- THE CONTRACTOR SHALL OBTAIN WRITTEN AUTHORIZATION FROM THE ENGINEER PRIOR TO BEGINNING WORK IN ANY AREAS REQUIRING EASEMENTS FOR CONSTRUCTION.
- DEPRESS CURBING AT ALL INTERSECTIONS FOR PEDESTRIAN RAMPS AS DIRECTED.
- WARNING SIGN PLACEMENT SHOWN ON THE PLANS REPRESENTS ONLY THE SIGNS REQUIRED TO BE POSTED FOR THE DURATION OF THE CONTRACT. ADDITIONAL TRAFFIC CONTROL SIGNS AND DEVICES WILL BE REQUIRED TO ACCOMMODATE VARIOUS STAGES OF CONSTRUCTION. WARNING SIGNS SHALL BE PAID ACCORDINGLY TO BID ITEM NO. 72, "CONSTRUCTION SIGNS". ALL TEMPORARY BARRICADES AND CONTROL DEVICES FOR STAGES OF CONSTRUCTION TO BE INCLUDED IN COST OF "MAINTENANCE AND PROTECTION OF TRAFFIC".
- ALL EXISTING UTILITIES, STRUCTURES AND GRANITE CURBING REMOVED BY THE CONTRACTOR SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE MADE AVAILABLE TO THE OWNER.
- ALL STREET LAYOUT AS PER CITY OF HARTFORD RECORD DATA.

#### CONTENTS

I-1 TO I-1A	TYPICAL DETAILS
I-2	TYPICAL PAVEMENT MARKINGS
I-3	TYP. SIGN SUPPORTS CHAN. DEVICES
I-4 TO I-6	TRAFFIC PHASING
I-7 TO I-11	GRADE SHEET
I-12	RADIUS CURB QUANTITY
I-12	C.M.S DATA
I-3 TO 3-3	BRANFORD STREET
I-6 TO 6-6	BURNHAM STREET
I-2 TO 2-2	CHATHAM STREET
I-5 TO 5-5	CORNWALL STREET
I-5 TO 5-5	HAROLD STREET
I-4 TO 4-4	HARTLAND STREET
I-10 TO 10-10	LYME STREET
I-4 TO 4-4	PEMBROKE
I-2 TO 2-2	PLAINFIELD STREET
I-4 TO 4-4	PLAINFIELD STREET

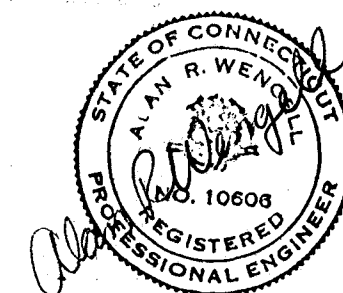
#### AS-BUILT LEGEND

	SIDEWALKS		GEOTEXTILE FABRIC
	SOFT SPOTS		BLOCKING OUT NOTES
	PRIVATE WORK		

WILLIAM KENNEDY  
Project Engineer

GEORGE E. HEPPNER  
City Engineer,  
Engineering Services Bureau

JOHN C. BURKE  
Director of Public Works



Hayden | Wegman  
Consulting Engineers