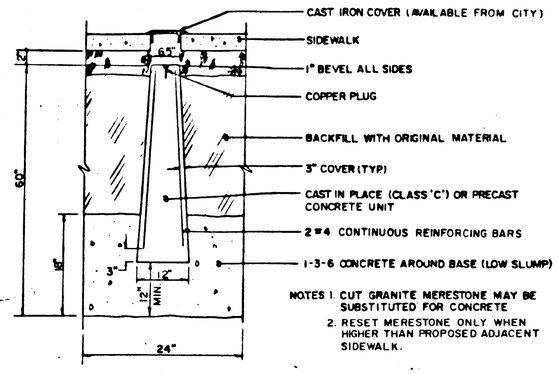
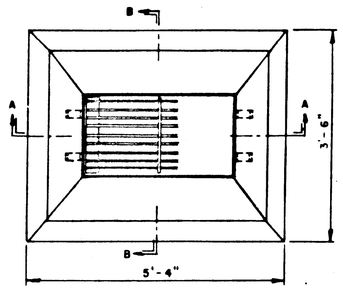
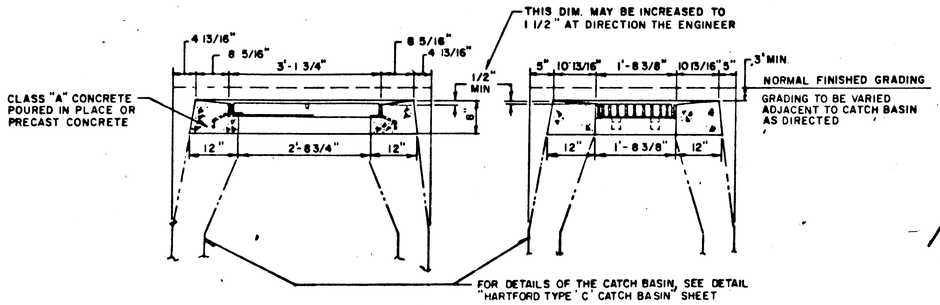


NOTES 1. CUT GRANITE MERESTONE MAY BE SUBSTITUTED FOR CONCRETE
2. RESET MERESTONE ONLY WHEN HIGHER THAN PROPOSED ADJACENT SIDEWALK.

CITY MERESTONE



FOR DETAILS OF GRATE SEE DETAIL "PLAN OF GRATE" SHEET



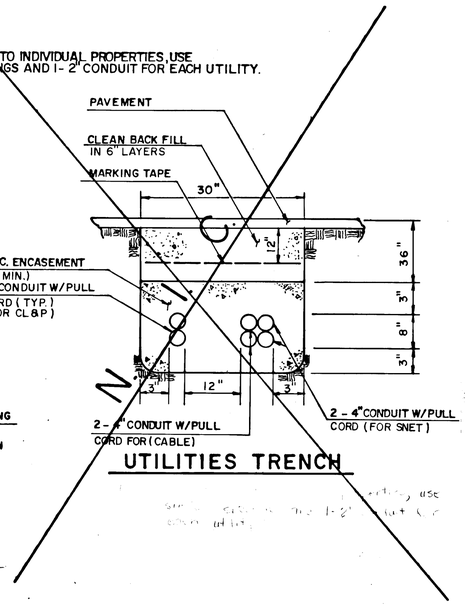
CLASS "A" CONCRETE POURED IN PLACE OR PRECAST CONCRETE

GRADING TO BE VARIED ADJACENT TO CATCH BASIN AS DIRECTED

FOR DETAILS OF THE CATCH BASIN, SEE DETAIL "HARTFORD TYPE 'C' CATCH BASIN" SHEET

HARTFORD TYPE 'C-L' CATCH BASIN INLET

NOTE:
FOR LATERALS TO INDIVIDUAL PROPERTIES, USE SIMILAR SPACINGS AND 1-2" CONDUIT FOR EACH UTILITY.



UTILITIES TRENCH

CONSTRUCTION NOTES

1. WHEN EXCAVATING CLOSE TO TREES, USE ONLY HAND TOOLS. CARE SHALL BE TAKEN TO ENSURE THAT TREE ROOTS ARE NOT DAMAGED IN ANY WAY. THE INSPECTOR SHALL BE NOTIFIED IMMEDIATELY WHENEVER TREE ROOTS ARE ENCOUNTERED. FURTHER EXCAVATING AT THAT LOCATION SHALL BE AS DIRECTED BY THE INSPECTOR.
2. CONTRACTOR SHALL INFORM UTILITY COMPANY OF REQUIRED POLE RELOCATION AND COORDINATE WORK WITH UTILITY COMPANY.
3. TOP OF CURB SHALL BE 6" ABOVE GUTTER GRADE UNLESS OTHERWISE NOTED.

SANITARY SEWER STANDARD NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH METROPOLITAN DISTRICT STANDARDS AND SPECIFICATIONS.

THE SANITARY SEWER SHALL BE CONSTRUCTED UNDER A DEVELOPER'S PERMIT-AGREEMENT BETWEEN CITY OF HARTFORD AND THE METROPOLITAN DISTRICT, AND SHALL BE BUILT BY A LICENSED DRAIN LAYER UNDER PERMIT BY AND UNDER SUPERVISION OF THE DEPUTY MANAGER FOR ENGINEERING AND PLANNING.

SANITARY SEWERS ARE FOR SANITARY SEWAGE ONLY. ALL STORM WATER, COOLING WATER, SUBSOIL DRAINAGE, AND OBJECTIONABLE INDUSTRIAL WASTES ARE EXCLUDED FROM SANITARY SEWERS BY DISTRICT ORDINANCE.

SUBSOIL AND SURFACE DRAINAGE SHALL BE CONNECTED TO NEAREST STORM DRAIN OR WATERCOURSE, AS APPROVED BY APPROPRIATE AUTHORITY.

ROADS SHALL BE FILLED TO AT LEAST 3 FEET ABOVE TOP OF PIPE OR TO ESTABLISHED GRADE BEFORE INSTALLATION OF SANITARY SEWER.

ANY PROPOSED WATER MAINS SHALL BE INSTALLED AFTER THE SANITARY SEWER.

"CALL BEFORE YOU DIG" - THE CONTRACTOR IS HEREBY REMINDED THAT TITLE 16, CHAPTER 293 OF THE CONNECTICUT GENERAL STATUES REQUIRES NOTIFICATION TO UTILITY COMPANIES OF PENDING EXCAVATION AT OR NEAR PUBLIC UTILITIES. THE CONTRACTOR SHALL CALL 1-800-922-4455 AT LEAST 48 HOURS PRIOR TO BEGINNING THE EXCAVATION.

ALL LATERALS SHALL BE A MINIMUM OF 6 INCHES IN DIAMETER AND SHALL BE INSTALLED AT NOT LESS THAN 1.0% GRADE. LATERALS TO THE STREET LINE SHALL BE BUILT BY THE CONTRACTOR IN CONJUNCTION WITH THE MAIN SEWER CONSTRUCTION. CONNECTIONS FROM LATERALS AT STREET LINE TO BUILDINGS SHALL BE CONSTRUCTED UNDER INDIVIDUAL HOUSE CONNECTION PERMITS FROM THE METROPOLITAN DISTRICT FOR EACH HOUSE CONNECTION.

BACKFILL IN TRENCHES IN TRAVELED WAY, UNDER AREAS TO BE PAVED, OR UNDER WALKS, SHALL BE BANK RUN GRAVEL, SAND, OR ACCEPTABLE NATURAL SOIL SATISFACTORY TO THE CITY OF HARTFORD PRIOR TO PLACING BACKFILL, A LAYER OF 6-MIL POLYETHYLENE PLASTIC, ONE FOOT WIDER THAN THE TRENCH, SHALL BE PLACED OVER THE STONE HAUNCHING ALONG THE MAIN SEWERS AND LATERALS. THE PLASTIC SHALL BE FOLDED AT THE EDGE OF THE TRENCH AND EXTEND 6 INCHES UP THE SIDES OF THE TRENCH. THE PLASTIC SHALL BE FITTED AROUND MANHOLES AND EXTEND ONE FOOT UP THE MANHOLE. ALL LAPS IN THE PLASTIC SHALL BE A MINIMUM OF ONE FOOT.

WHENEVER POSSIBLE, THE SANITARY SEWER SHALL BE LOCATED A MINIMUM OF 10 FEET HORIZONTALLY FROM FROM ANY EXISTING (OR PROPOSED) WATER MAIN. WHEN LOCAL CONDITIONS PREVENT THIS, A LESSER DISTANCE IS ALLOWED IF (A) THE WATER MAIN IS LOCATED IN A SEPARATE TRENCH OR (B) IT IS LOCATED IN THE SAME TRENCH TO ONE SIDE ON A BENCH OF UNDISTURBED EARTH AT LEAST TWELVE INCHES (AND PREFERABLY EIGHTEEN INCHES) FROM THE SIDE OF THE SEWER TRENCH. IN EITHER CASE, THE BOTTOM OF THE WATER MAIN SHALL BE EIGHTEEN INCHES ABOVE THE TOP OF THE SEWER PIPE.

TEMPORARY AND PERMANENT PAVEMENT REPAIRS SHALL BE MADE IN ACCORDANCE WITH DISTRICT AND TOWN AND/OR STATE SPECIFICATIONS.

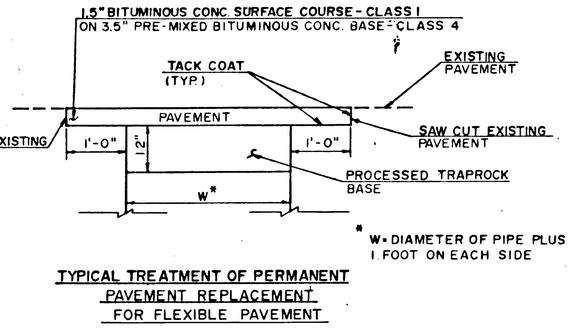
THE SEWER LINE SHALL BE TESTED FOR LEAKAGE USING LOW PRESSURE AIR IN ACCORDANCE WITH SPECIFICATIONS FURNISHED BY THE METROPOLITAN DISTRICT. ANY SECTION OF PIPELINE FAILING THE TEST SHALL BE REPAIRED OR REPLACED AND RETESTED BEFORE CONNECTIONS WILL BE PERMITTED.

ELEVATIONS ARE BASED UPON THE METROPOLITAN DISTRICT DATUM

PIPE DESIGNATIONS: (Approved Designations, Delete As Applicable)

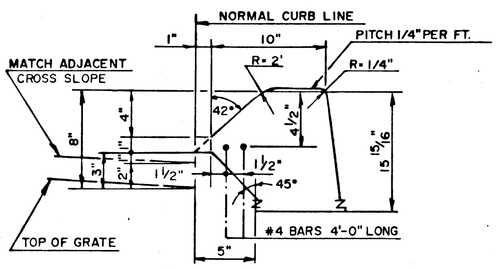
D-3034	ASTM D-3034 TYPE PSM POLY(VINYL CHLORIDE) (PVC) SEWER PIPE AND FITTINGS, DESIGNATION SDR-35 (6", 8", 10", 12" AND 15").
F-789	ASTM F-789 TYPE PS-46 POLY(VINYL CHLORIDE) (PVC) PLASTIC GRAVITY FLOW SEWER PIPE AND FITTINGS (6", 8", 10", 12" AND 15").
F-794	ASTM F-794 POLY(VINYL CHLORIDE) (PVC) RIBBED GRAVITY SEWER PIPE AND FITTINGS BASED ON CONTROLLED INSIDE DIAMETER (8" THRU 18").

"WARNING TAPE" - AFTER PLACING APPROXIMATELY 2.0 FEET OF BACKFILL MATERIAL OVER ALL UTILITY PIPING THE CONTRACTOR SHALL PLACE A 4-INCH WIDE STRIP OF DURABLE, COLOR CODED (BLUE FOR WATER AND GREEN FOR SANITARY & STORM SEWERS) UNDERGROUND UTILITY LOCATION TAPE IMPRINTED WITH AN APPROPRIATE WARNING INDICATING THE PRESENCE OF THE BURIED UTILITY CONDUIT.

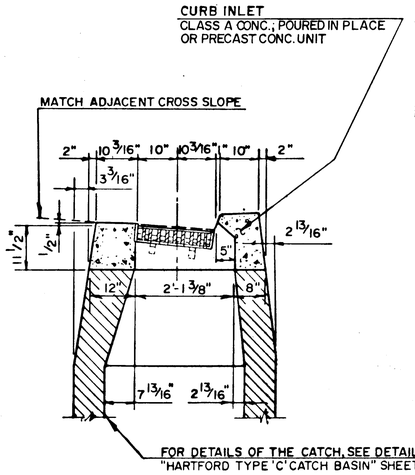


* W = DIAMETER OF PIPE PLUS 1 FOOT ON EACH SIDE

TYPICAL TREATMENT OF PERMANENT PAVEMENT REPLACEMENT FOR FLEXIBLE PAVEMENT

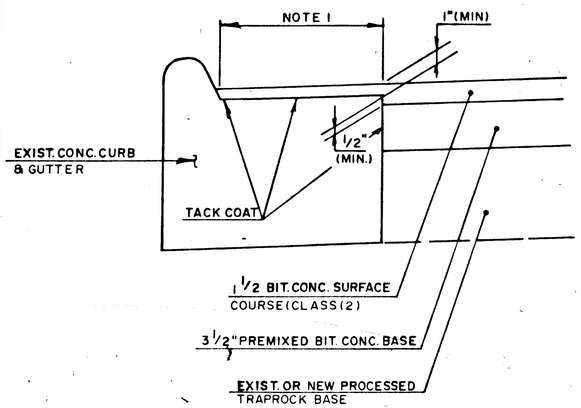


CURB INLET DETAIL
(BIT. CONC. LIP CURBING)



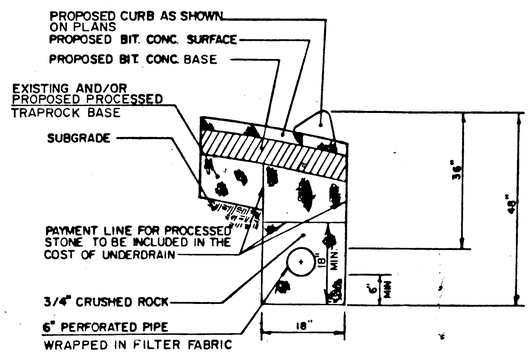
FOR DETAILS OF THE CATCH, SEE DETAIL "HARTFORD TYPE 'C' CATCH BASIN" SHEET.

TYPE "C" CATCH BASIN

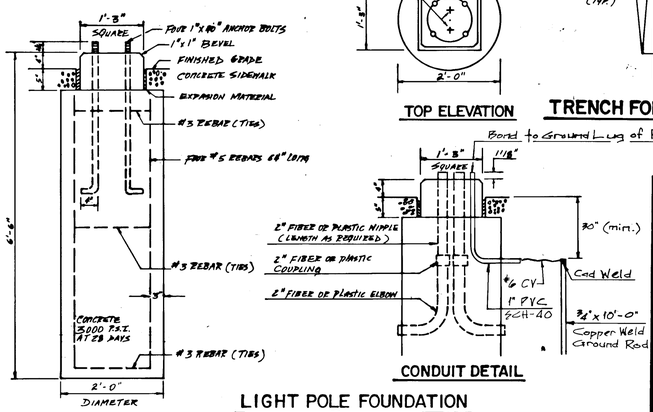


NOTE 1. REMOVE EXISTING BIT. CONC. SURFACE, CLEAN ALL CRACKS AND JOINTS, FILL WITH CRACK SEALER PRIOR TO APPLICATION OF TRACK COAT AND PLACEMENT OF BIT. CONC. WORK TO BE PAID UNDER BID ITEM 47D.

PAVING AT CONCRETE CURB & GUTTER

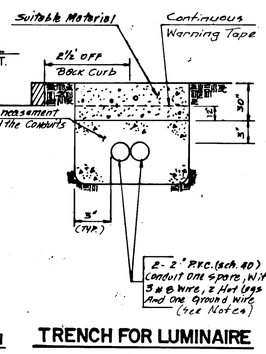


CURB UNDERDRAIN

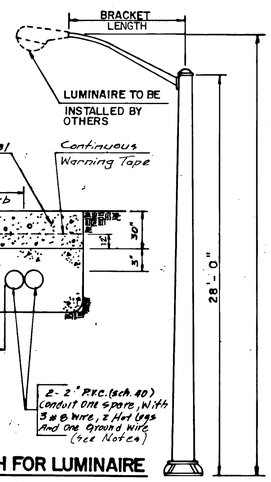


LIGHT POLE FOUNDATION

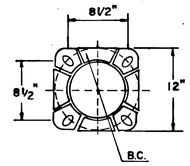
CONDUIT DETAIL



TRENCH FOR LUMINAIRE



NOTE:
1. CONTRACTOR TO VERIFY CONDUIT SIZE & WIRE AND MATCH EXISTING.
2. WIRE TYPE TO BE Cu CONDUCTOR, THWN INSTALLATION.



TYPICAL ALUMINUM POLE WITH SINGLE ARM BRACKET

MISCELLANEOUS DETAILS

HOMESTEADING SUBDIVISION

AT 2196 MAIN STREET

HARTFORD **CONNECTICUT**

FGA SERVICES, INC. consulting engineers	W.S.A. Designed	R.E.S Approved	NOT TO SCALE Scale
A Member of The Giavara Group Bridgeport, New Haven, Hartford, Ansonia Connecticut San Juan Puerto Rico	W.A.C. Drawn	6-7-1991 Date	6 of 14 Sheet No.
	K.D. Checked	88-135-22 Project No.	

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