

HARTFORD REDEVELOPMENT AGENCY

CITY OF HARTFORD
HARTFORD, CONNECTICUT

PLANS OF THE CONSTRUCTION OF PROPOSED PAVEMENT, STORM
DRAINS, AND APPURTENANCES IN WAWARME AVENUE, MEADOW
STREET AND WALK IN LOCUST STREET
IN THE

COLT PARK SOUTH PROJECT A-5

AS PREPARED BY ROGER H. WHITNEY, INC. CONSULTING.
ENGINEER FOR CITY OF HARTFORD, DEPARTMENT OF PUBLIC
WORKS, BUREAU OF ENGINEERING SERVICES.

CONTRACT NO: E-74-17

GENERAL NOTES

SANITARY LATERALS AND STORM DRAINS TO BE CONSTRUCTED UNDER A DEVELOPERS PERMIT AGREEMENT BETWEEN THE CITY OF HARTFORD REDEVELOPMENT AGENCY AND THE METROPOLITAN DISTRICT AND SHALL BE BUILT BY A LICENSED DRAIN LAYER UNDER PERMIT BY AND UNDER SUPERVISION OF THE CHIEF ENGINEER OF THE BUREAU OF PUBLIC WORKS.

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

STORM DRAINS FOR ROOF WATER, COOLING WATER & NON-POLLUTED SUBSOIL AND SURFACE DRAINAGE ONLY. INDUSTRIAL WASTES AND OTHER POLLUTANTS ARE PROHIBITED.

BACKFILL IN TRENCHES IN TRAVELED WAYS, UNDER AREAS TO BE PAVED OR UNDER WALKS, SHALL BE BANKRUN GRAVEL OR SAND SATISFACTORY TO THE CITY OF HARTFORD, METROPOLITAN DISTRICT AND STATE OF CONN. TEMPORARY AND PERMANENT PAVEMENT REPAIRS SHALL BE MADE IN ACCORDANCE WITH THE DISTRICT AND CITY AND/OR STATE SPECIFICATIONS.

SANITARY HOUSE CONNECTION LATERAL PIPE DESIGNATIONS: C-200 -ASTM C-200 EXTRA STRENGTH TILE
PVC - POLYVINYL CHLORIDE (P.V.C.) SEWER AND DRAIN PIPE SDR 41
C-428 -ASTM C-428 ASBESTOS CEMENT (CLASS 1500)

ELEVATIONS ARE METROPOLITAN DISTRICT DATUM

ALL SANITARY LATERALS TO BE AT 1.0% MIN. GRADE FOR DEEP CELLARS AND WILL BE LOCATED IN THE FIELD AS DIRECTED BY THE ENGINEER OR WHEN ABOVE IS NOT POSSIBLE LOCATE AS DIRECTED ON PLAN.

FLOWLINES AND LENGTHS OF PIPE ARE BASED ON CENTERLINES OF MANHOLES AND CATCH BASINS.

THE INDICATIONS ON THESE PLANS OF SOILS, ROCK, GROUND WATER, PIPES, DUCTS, SEWERS AND OTHER UNDERGROUND OBJECTS ARE SUPPOSED TO BE APPROXIMATELY CORRECT, BUT IF THEY ARE OTHERWISE THE CONTRACTOR SHALL HAVE NO CLAIM ON THAT ACCOUNT FOR THE CITY AND ITS AGENTS DO NOT WARRANT THIS DATA TO BE CORRECT OR COMPLETE.

LOT CUT-UP DATA, PROFILE OF GROUND SURFACE, PROPOSED OR ESTABLISHED STREET GRADE ETC. WERE COMPILED FROM VARIOUS SOURCES AND MAY NOT NECESSARILY BE CORRECT. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER WHEN A DISCREPANCY EXISTS.

THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FROM AND COORDINATE THE WORK WITH THE CITY OF HARTFORD, THE METROPOLITAN DISTRICT AND OTHER AGENCIES OR UTILITIES INVOLVED.

NO SUBSURFACE INVESTIGATIONS WERE MADE OTHER THAN THOSE SPECIFIED. ROCK AND OTHER SUBSURFACE PROBLEMS ARE THE RESPONSIBILITY OF THE CITY OF HARTFORD. BORINGS OF THIS AREA ARE ON FILE AT THE HARTFORD REDEVELOPMENT AGENCY, 550 MAIN ST., HARTFORD, CONN.

EXIST. STREET LINES, UTILITIES, ETC. WERE TAKEN FROM PLANS FURNISHED BY THE ENGINEERING DEPARTMENT OF THE BUREAU OF PUBLIC WORKS OF THE METROPOLITAN DISTRICT COMMISSION AND BY THE CITY OF HARTFORD.

ALL CATCHBASIN AND MANHOLE TOPS TO BE SET TO FINAL GRADES IN FIELD.

THE CONTRACTOR IS RESPONSIBLE FOR THE DISTURBANCE OF ALL PROPERTY BEYOND EXISTING STREET LINES OR INDICATED RIGHTS OF WAY, UNLESS EXPRESS WRITTEN PERMISSION IS GRANTED FROM THE CITY ENGINEER.

TOPS OF FRAMES OF EXISTING GAS, HELCO, WATER MAINS AND GATES ARE TO BE ADJUSTED TO FINAL GRADES BY THE RESPECTIVE UTILITY BEFORE BEGINNING ROAD CONSTRUCTION.

CONSTRUCTION OF NEW SNECO DUCTS, HELCO DUCTS, WATER MAINS, GAS MAINS, FIRE ALARM BOXES, AND ELECTRIC SWEEPS TO LIGHT POLES TO BE INSTALLED BY THE RESPECTIVE UTILITY BEFORE ROAD CONSTRUCTION BEGINS.

HEAVY DUTY AND ORNAMENTAL LIGHT POLE FOUNDATION BASE LOCATIONS TO BE ADJUSTED IN FIELD IF REQUIRED BY CITY ENGINEER.

EXACT LOCATION AND DEPTH OF SNECO AND HELCO SERVICES, GAS SERVICE AND WATER SERVICES ARE UNKNOWN AND MUST BE LOCATED BY RESPECTIVE UTILITY IN FIELD AND ADJUSTED BY UTILITY IF CONFLICT EXISTS BETWEEN EXISTING UTILITY CONNECTION AND PROPOSED CURB DRAINS.

ALL EXCESS EXCAVATED SOIL MATERIAL SUITABLE FOR GENERAL FILL EXCAVATED FROM THE JOB SITE IS TO BE USED AS SUBBASE FILL WHERE REQUIRED. SOIL MATERIAL SUITABLE FOR GENERAL FILL IN ADDITION TO SUBBASE FILL EXCAVATED FROM THE JOB SITE IS TO BE DUMPED IN A CLEARED AREA ON THE COLT PARK SOUTH PROJECT TRACT 1A SITE ON THE WEST SIDE OF LOCUST STREET, SOUTH SIDE OF WAWARME AVENUE, AND NORTH SIDE OF MEADOW ST. AS DIRECTED BY THE CITY ENGINEER WITH CARE BEING TAKEN TO PREVENT CONTAMINATION WITH EXIST. DEBRIS, BROKEN PAVEMENT AND RUBBLE WHICH IS TO BE REMOVED FROM THE COLT PARK SOUTH TRACT.

PIPE USED FOR CURB DRAIN TO BE 6" PERFORATED METAL PIPE. PIPE TO FOLLOW GRADE OF CURB AND TO BE CONSTRUCTED AS INDICATED ON DETAIL SHEET. CURB DRAINS, OUTLETS TO BE INSTALLED IN CATCHBASIN AT TIME OF CONSTRUCTION OF CATCHBASIN AND SHALL BE LOCATED 3' - 0" FROM THE TOP OF CURB OF THE CATCHBASIN TO BE PAID FOR UNDER PRICE BID FOR CURB DRAIN.

ALL RIPRAP USED FOR BANK PROTECTION SHOULD BE HARD, DENSE AND DURABLE QUARRIED STONES ANGULAR IN SHAPE. THE STONES SHOULD BE PLACED ON THE FILTER BLANKET OR PREPARED NATURAL SLOPE IN A MANNER WHICH WILL PRODUCE A REASONABLY WELL-GRADED MASS OF STONE WITH THE MINIMUM PRACTICABLE PERCENTAGE OF VOIDS. RIPRAP SHALL BE PLACED TO ITS FULL COARSE THICKNESS AT ONE OPERATION AND IN SUCH A MANNER AS TO AVOID DISPLACING THE UNDERLYING MATERIAL. PLACING OF STONE PROTECTION IN LAYERS OR BY DUMPING INTO CHUTES OR BY SIMILAR METHODS LIKELY TO CAUSE SEGREGATION SHALL NOT BE PERMITTED.

STONE RIPRAP GRADATION

100%	15 LB.
80%	10 LB.
50%	5 LB.
10%	0.5 LB.

RIPRAP SHALL BE PLACED ON ALL EMBANKMENTS WHERE SPECIFIED AND SHALL BE CONSTRUCTED WITH REQUIREMENTS OF THE METROPOLITAN DISTRICT COMMISSION.

PUMPS AND TRAPS TO BE PROVIDED IN ALL CONNECTIONS AS INDICATED ON M.D.C. PLAN OF STANDARD CATCH BASIN DETAILS FOR HARTFORD TYPE CATCH BASINS UNLESS OTHERWISE INDICATED.
ELEVATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY.

THE CONTRACTOR SHALL CONTRACT EACH UTILITY AT LEAST 48 HOURS PRIOR TO CONSTRUCTION TO ALLOW EACH UTILITY TO LOCATE THEIR FACILITIES IN THE STREET.

THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITY LINES IN THE AREAS OF PROPOSED CONSTRUCTION AS SHOWN ON STANDARD PLANS OF UTILITY SUPPORTS OR AS DIRECTED BY THE ENGINEER OR BOTH. THE CONTRACTOR SHALL SUBMIT SKETCHES OF HIS PROPOSED METHOD OF UTILITY SUPPORT FOR APPROVAL BY THE CITY ENGINEER IF NO STANDARD DRAWINGS OF UTILITY SUPPORTS EXIST. SUCH SKETCHES SHALL BE APPROVED BY THE CITY ENGINEER BEFORE CONSTRUCTION.

WHERE EXCAVATION UNDER THIS CONTRACT IS DONE LESS THAN 5 FEET PARALLEL TO AN EXISTING WATER MAIN PERMANENT PROTECTIVE SHEETING MAY BE REQUIRED TO PROTECT THE MAIN AS DIRECTED BY THE WATER BUREAU OR THE CITY ENGINEER OR BOTH.

STANDARD DRAWINGS OF UTILITY SUPPORTS ARE MADE A PART OF THIS CONTRACT AND ARE ON FILE AT THE BUREAU OF PUBLIC WORKS OF THE METROPOLITAN DISTRICT.

8" THICK CONCRETE WALK WITH APRON TO BE CONSTRUCTED ACCORDING TO STANDARD CITY OF HARTFORD " CONCRETE CURB AND WALK SECTION FOR DRIVEWAYS" EXACT LOCATION TO BE ADJUSTED IN FIELD BY CITY ENGINEER.

STORM DRAIN PIPE DESIGNATION:

C-76 ASTM C-76 REINFORCED CONCRETE PIPE (CLASS IV OR V)

THE CONTRACTOR IS TO PROTECT ALL EXISTING UTILITY POLES WITHIN THE LIMITS OF PROPOSED CONSTRUCTION PRIOR TO THEIR BEING REMOVED OR RELOCATED BY THE RESPECTIVE UTILITY CO. SOME POLES WITHIN THE CONTRACT LIMITS WHICH DO NOT INTERFERE WITH PROPOSED CONSTRUCTION AND EXIST LIGHT POLES ALONG LOCUST STREET ARE TO REMAIN. THE CONTRACTOR SHALL DETERMINE WHICH POLES ARE TO REMAIN AND SHALL SOONABLY PROTECT THESE DURING CONSTRUCTION. ALL COSTS OF POLE PROTECTION AND SUPPORT TO BE INCLUDED IN THE VARIOUS UNIT PRICES BID.

PROPOSED PAVEMENT GRADES AT INTERSECTIONS ARE TO BE ADJUSTED IN FIELD AS DIRECTED BY CITY ENGINEER

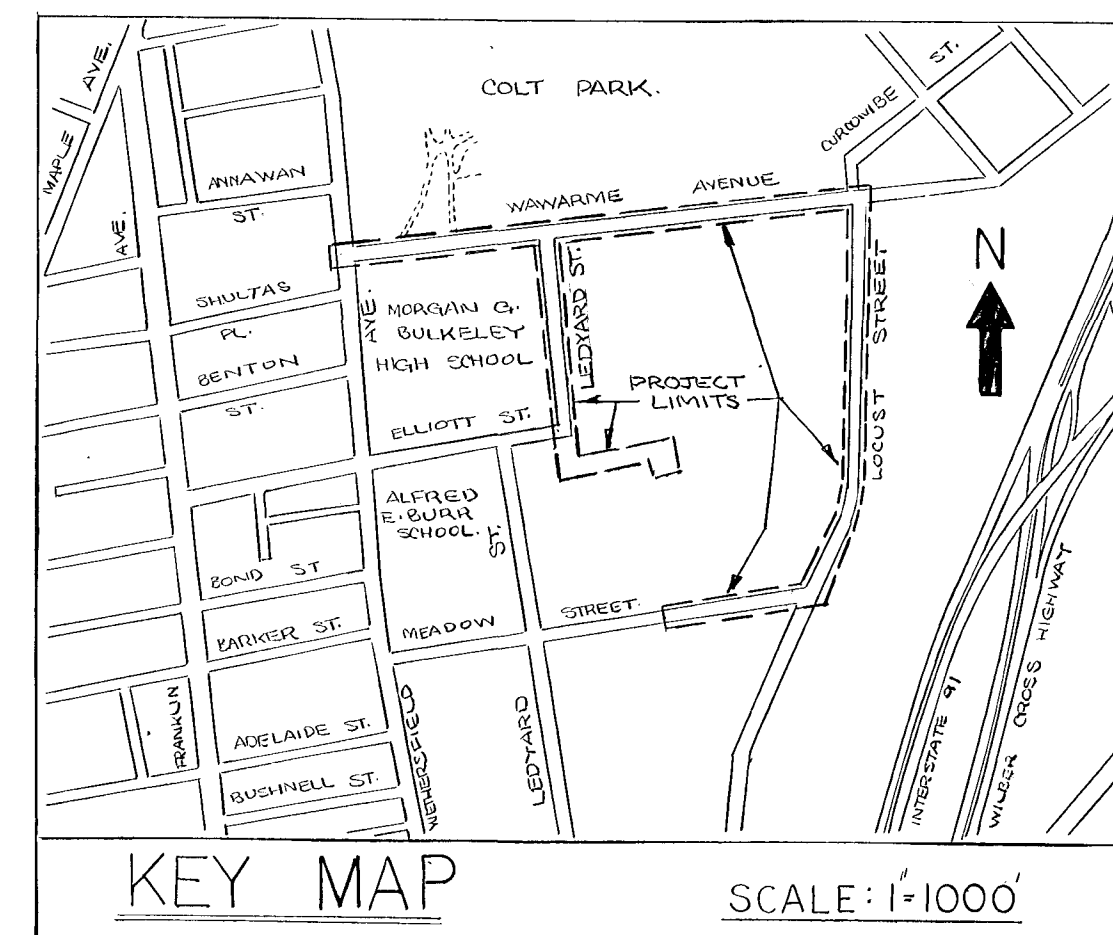
GRADE PROPOSED DRIVEWAY APRONS AS DIRECTED BY ENGINEER IN FIELD TO MEET EXISTING GRADE AT STREET LINE.

THE LOCATIONS OF PROPOSED CONCRETE ORNAMENTAL LIGHT POLES, HEAVY DUTY CONCRETE ORNAMENTAL LIGHT POLES, AND 8" CONCRETE DRIVEWAY APRONS WITH SIDEWALKS, ARE INDICATED IN APPROXIMATE LOCATIONS ONLY AND ARE TO BE ADJUSTED IN FIELD AS DIRECTED BY CITY ENGINEER.

LOCATIONS OF PROPOSED HANDHOLES AND UNDERGROUND STEEL CONDUIT SPECIFIED ARE NOT INDICATED ON THE PLANS AND ARE TO BE LOCATED IN THE FIELD AS DIRECTED BY THE ENGINEER.

LEGEND

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|---|-----------------------------|
| ○ = EXISTING CATCHBASIN | --- = PROJECT LIMITS |
| ⊕ = PROPOSED CATCHBASIN | --- = EXIST. WATER MAINS |
| ==== = EXISTING STORM DRAIN | --- = EXIST. GAS PIPES |
| --- = PROPOSED STORM DRAIN | R = RADIUS |
| --- = EXISTING SAN. SEWER OR SAN. LATERAL | Δ = ANGLE |
| --- = PROPOSED SAN. SEWER OR SAN. LATERAL | T = TANGENT |
| ○ = EXISTING MANHOLE | L = LENGTH OF ARC |
| ○ = PROPOSED MANHOLE | CH = CHORD |
| ---14--- = EXISTING CONTOUR | ---14--- = PROPOSED CONTOUR |



REVISED 7/24/74. GENERAL NOTES CHANGED

MDC CODE: COLT PARK SOUTH #2

ROGER H. WHITNEY, INC. CONSULTING ENGINEER 11 WEST MAIN STREET HARTFORD, CT 06101		CITY OF HARTFORD, CONNECTICUT DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING SERVICES	
KEY MAP AND GENERAL NOTES FOR PROPOSED PAVEMENT, STORM DRAIN, AND APPURTENANCES IN WAWARME AVENUE, MEADOW STREET AND LOCUST STREET HARTFORD			
SUBMITTED		RECOMMENDED	APPROVED
DIVISION ENGINEER		CHIEF OF ENG. SERV.	ASST. DIR. & CITY ENG.
DRAWN L.J.P.		SCALE	DAYBOOK NO. 10452-A
CHECKED R.W.W.		AS SHOWN	DATE: MARCH 22, 1974

REVISED JULY 24, 1974