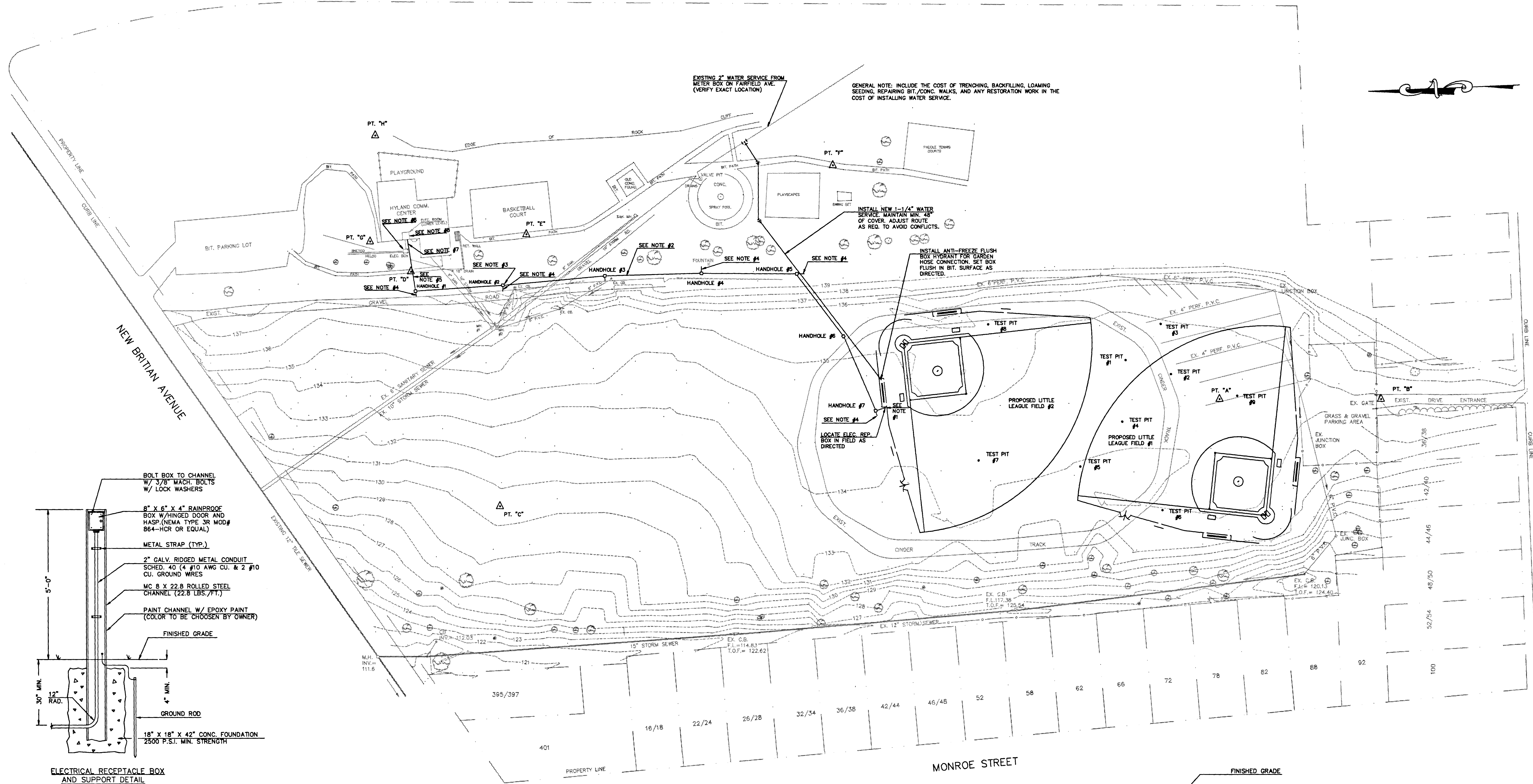




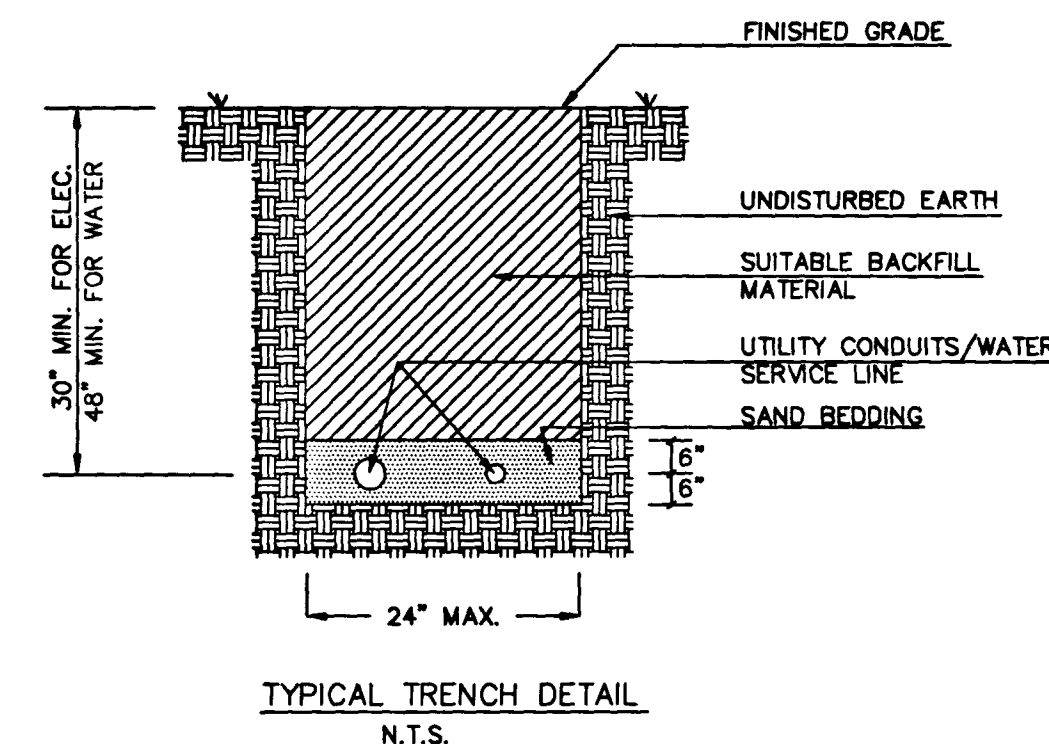
#### ELECTRICAL INSTALLATION NOTES

- Provide two 20 amp 120 volt ground fault circuit interrupter duplex receptacles in the 8" x 6" x 4" type 3R rainproof box w/ hinged door, hasp and pad lock mounted on a MC 8 x 22.8 channel section set at 5'-0" above grade. Set channel section in a 18" x 18" x 42" conc. foundation and locate as directed in field (See detail above).
- Provide 4 #2 AWG CU 600 volt insulation & 1 #4 AWG CU ground wire in 3" P.V.C. conduit from main dist. panel to handhole #7. Wire shall be suitable for underground installation.
- Provide hand holes Type II with bolt cover for pulling wires and/or splices. (equal to Cromwell Concrete Products, CT.)
- Provide spare 3" P.V.C. conduit 5'-0" long with both ends capped for future use.
- Extend existing 3" rigid galvanized steel conduit (RGC) to hand hole #1 & provide 4 #2 AWG CU 600 volt insulation & 1 #4 AWG CU ground wire suitable for underground installation.
- Existing pad mounted HELCO transformer and service conduits/wires.
- Verify the location of capped end of 3" RGC and extend per note #5.
- Provide in existing main distribution panel three single phase 20 AMP 120 volt circuit breakers with (30MA. equipment protection) ground fault circuit interrupter rated 10,000 amps rms. sym.
- Provide 3/4" x 10'-0" CU driven ground rod in each handhole, electrical receptacle box and connect to #4 AWG ground wire.
- Provide one expansion coupling in continuous length of minimum 100' run of conduit for expansion and contraction. In warm weather install closed and in cold weather install open during installation.
- Slope the conduits toward manholes or handholes to drain the water. Where a conduit enters a building from an underground system, it shall be sealed at both ends with sealants identified for use with the cable insulation, shield or other components.

GENERAL NOTE: Include the cost of all trenching, backfilling, loaming, seeding, repair of bit./conc. sidewalks and general restoration necessary to install conduits, handholes, and receptacle support etc. in the cost of installing electrical service.

#### TEST PIT DATA

| TEST PIT # | DEPTH                                 | SOIL CLASSIFICATION                                                                                                            | TEST PIT #                                                                  | DEPTH                                 | SOIL CLASSIFICATION                                                                           |
|------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------|
| 1.         | 0'-4"<br>5'-20"                       | SILT LOAM (TOPSOIL)<br>SANDY LOAM                                                                                              | 6.                                                                          | 0'-5"<br>6'-16"<br>16'-24"<br>25'-30" | FINE SANDY LOAM (TOPSOIL)<br>FINE SANDY LOAM<br>SILT LOAM W/ GRAVEL<br>COARSE SAND AND GRAVEL |
| 2.         | 0'-3"<br>4'-13"<br>14'-23"<br>24'-30" | SILT LOAM (TOPSOIL)<br>CHINDERS AND ASH<br>SILTY SAND, TRACE CLAY<br>MODELING, MED. SAND, FINE GRAVEL<br>WATER PRESENT IN HOLE | 7.                                                                          | 0'-6"<br>7'-11"                       | SILT LOAM (TOPSOIL)<br>FINE SANDY LOAM                                                        |
| 3.         | 0'-8"<br>9'-13"<br>14'-18"            | SILTY LOAM (TOPSOIL)<br>SANDY LOAM<br>SILTY LOAM W/ GRAVEL                                                                     | 8.                                                                          | 0'-7"<br>8'-16"                       | SILT LOAM (TOPSOIL)<br>COARSE SAND AND GRAVEL                                                 |
| 4.         | 0'-4"<br>5'-14"<br>15'-20"<br>21'-22" | V. FINE SANDY LOAM (TOPSOIL)<br>SILT LOAM<br>SANDY LOAM W/ GRAVEL<br>COARSE SAND, FINE GRAVEL                                  | 9.                                                                          | 0'-3"<br>4'-11"<br>12'-24"            | SILT LOAM (TOPSOIL)<br>SILT LOAM<br>FINE SAND                                                 |
| 5.         | 0'-4"<br>5'-8"<br>7'-28"<br>29'-30"   | SILT LOAM (TOPSOIL)<br>V. FINE SANDY LOAM<br>SILTY LOAM<br>FINE SANDY LOAM                                                     | NOTE: TEST PITS DUG ON 4/19/90<br>W/ S. COTE U.S.D.A. SOIL<br>CONSER. DEPT. |                                       |                                                                                               |



APPROVED: *Bernard J. ...*  
CITY OF HARTFORD PARKS AND RECREATION DEPT. DATE: 5-29-90

CITY OF HARTFORD, CONNECTICUT  
DEPARTMENT OF PUBLIC WORKS  
BUREAU OF ENGINEERING SERVICES

ELECTRICAL & MECHANICAL INSTALLATION PLANS  
FOR  
THOMAS J. HYLAND MEMORIAL PARK

SUBMITTED BY: *[Signature]* PROJECT ENGINEER  
RECOMMENDED BY: *[Signature]* DIVISION MANAGER  
APPROVED BY: *[Signature]* CITY ENGINEER

SHEET 5 OF 11  
DRAWN: JLB  
CHECKED: *[Signature]*  
SCALE: 1" = 50'  
DAYBOOK NO. 011203 E  
DATE: MAY, 1990  
FILE NAME: HYLAND.DWG