



GENERAL NOTES

1. ALL UNDERGROUND SERVICE LATERAL INSTALLATION SHALL BE CABLE-IN-CONDUIT. DIRECT BURIAL WIRE SERVICES SHALL NOT BE PERMITTED.
2. ALL SERVICE LATERAL CONDUITS SHALL BE SCHEDULE 40 POLYVINYL CHLORIDE (PVC) EXCEPT CONDUIT REACHES WHICH PROVIDE ELECTRICAL SERVICE, WHERE SCHEDULE 80 PVC IS REQUIRED FOR ALL VERTICAL SWEEPS AND ABOVE GRADE EXPOSED CONDUIT.
3. MINIMUM DEPTH OF COVER FOR TELEPHONE AND ELECTRICAL CONDUITS OF LESS THAN 30,000 VOLTS SHALL BE 30" WITHIN THE PUBLIC RIGHT-OF-WAY, INCLUDING PARKWAY AREAS, AND 30" FOR ALL OTHER AREAS. THE MINIMUM COVER FOR SERVICES OVER 30,000 VOLTS SHALL BE OBTAINED FROM SOUTHERN CALIFORNIA EDISON COMPANY.
4. MINIMUM CONDUIT SIZES FOR RESIDENTIAL SERVICE LATERALS SHALL BE 2" MINIMUM EACH FOR TELEPHONE AND CABLE TV AND 3" FOR ELECTRICAL. CONDUIT SIZES FOR MULTIPLE DWELLING UNITS AND COMMERCIAL BUILDINGS MUST BE OBTAINED FROM THE RESPECTIVE UTILITY COMPANY.
5. R = RADIUS = 36" MINIMUM FOR 1" THROUGH 3" DIAMETER CONDUITS, AND 48" FOR 4" AND 5" DIAMETER CONDUITS.
6. A MAXIMUM OF TWO (2) 90 DEGREE CONDUIT BENDS (EXCLUDING RISER BENDS) SHALL BE PERMITTED BETWEEN ANY TWO PULL BOXES.
7. EACH CONDUIT INSTALLATION SHALL PROVIDE A 3/4" DIAMETER POLYETHYLENE PULL ROPE HAVING A MINIMUM BREAKING STRENGTH OF 700 POUNDS.
8. CONTACT UTILITY COMPANIES FOR CABLE INSTALLATION, MAINTENANCE, AND CONNECTION FEES.
9. PAVEMENT RESTORATION SHALL BE IN ACCORDANCE WITH CITY OF MANHATTAN BEACH STANDARD DRAWING ST-10.
10. SEPERATION AND SPACING OF THE VARIOUS UTILITIES SHALL CONFORM TO THE REQUIREMENTS OF THE UTILITY OWNER.
11. CONTACT UTILITY COMPANIES FOR SERVICE CONNECTION HANDHOLE REQUIREMENTS.
12. UTILITY SERVICE CONNECTION POINT SHALL BE CAPPED OFF WITH A "U" NOTCHED ON THE CLOSEST CONCRETE SURFACE IN LINE WITH THE CONNECTION POINT.

Drawn By: David Funk 5-29-01

**CITY OF MANHATTAN BEACH
DEPARTMENT OF PUBLIC WORKS**

STANDARD UNDERGROUND SERVICE CONNECTIONS

APPROVED BY:

CITY ENGINEER

DATE

ST-13