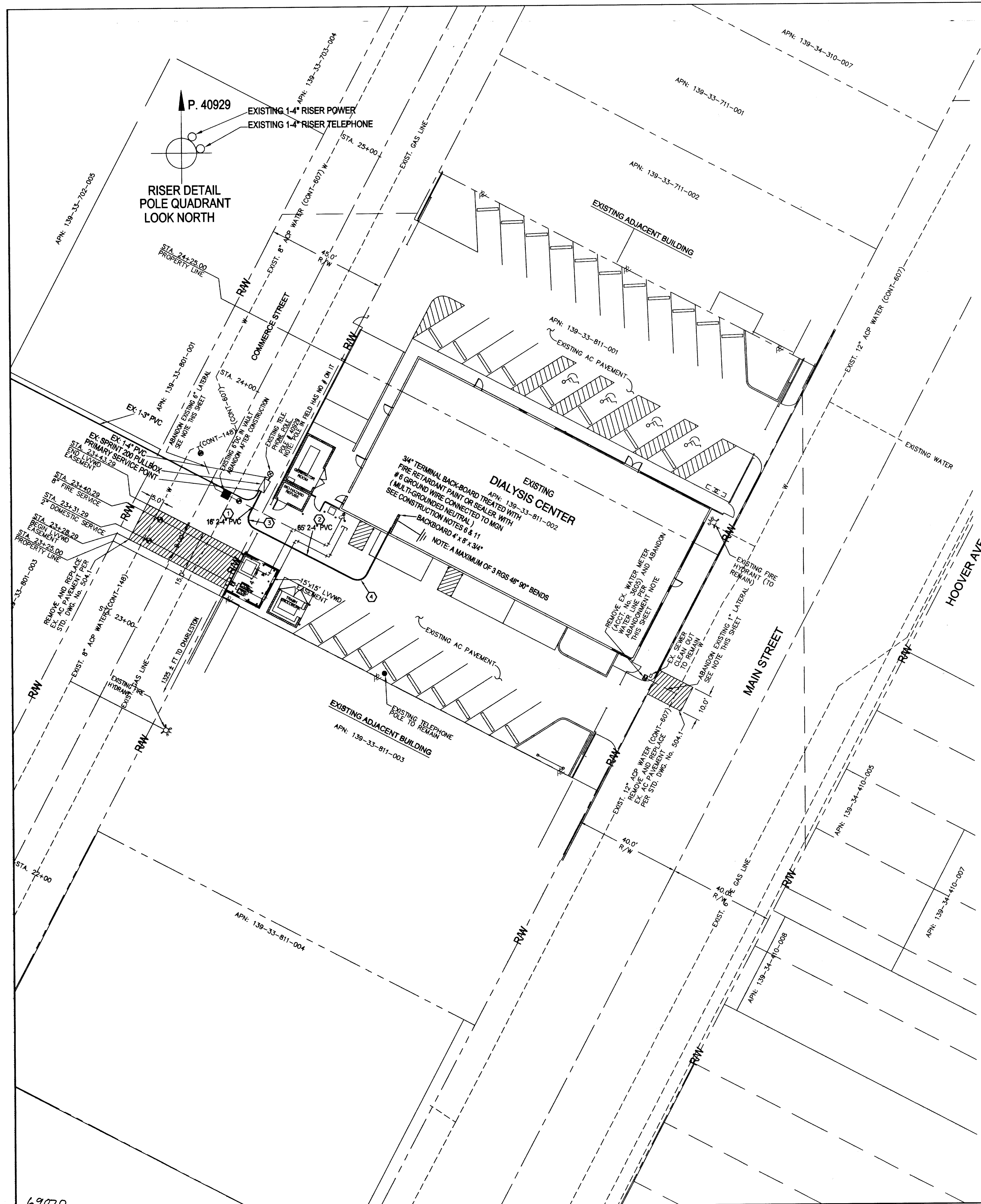




REQUIREMENT UNIT BREAKDOWN
ESTIMATED QUANTITIES SHOWN IN (PARENTHESES) AFTER EACH UNIT
PROPOSALS MUST BE SUBMITTED TO AND APPROVED BY SPRINT BEFORE STARTING ANY WORK. CONTACT JANIE STOKES AT 244-7806 FOR AUTHORIZATION. AS-BUILT QUANTITIES DETERMINE THE ACTUAL PAYMENT. SUBMIT INVOICES WITH AS-BUILT PRINTS TO SPRINT ENGINEERING.

- LEGEND**
- 1 2-4" CONDUIT - DB-100 TELEPHONE CONDUIT (EST. 10)
(INCLUDES P.V.C. BENDS AND SWEEPS AS REQUIRED)
A. SPRINT TO PAY FOR CONDUIT INSTALLATION IN ACCORDANCE WITH SPRINT STANDARD IN-PLACE CONDUIT UNIT PRICES.
B. TRENCHING BY DEVELOPER
 - 2 2-4" CONDUIT - DB-100 TELEPHONE CONDUIT (EST. 65)
(INCLUDES P.V.C. BENDS AND SWEEPS AS REQUIRED)
A. CONDUIT FURNISHED AND INSTALLED BY DEVELOPER.
B. TRENCHING BY DEVELOPER
 - 3 2-4" RGS 48" 90° BENDS (QTY 1)
DOUBLE WRAPPED 10 MIL
PVC TAPE
A. SPRINT TO PAY FOR CONDUIT INSTALLATION IN ACCORDANCE WITH SPRINT STANDARD IN-PLACE CONDUIT UNIT PRICES.
B. TRENCHING BY DEVELOPER
 - 4 2-4" RGS 48" 90° BENDS (QTY 1)
DOUBLE WRAPPED 10 MIL
PVC TAPE
A. CONDUIT FURNISHED AND INSTALLED BY DEVELOPER.
B. TRENCHING BY DEVELOPER

EFFECTIVE JANUARY 1, 2004
SPRINT WILL COMPENSATE THE CONTRACTOR OR DEVELOPER FOR OFFSITE CONDUIT PLACEMENT FROM THE CLOSEST POINT OF SERVICE TO THE POINT OF PRIMARY SERVICE PER SPRINT STANDARD IN-PLACE CONDUIT UNIT PRICES. SEE THE REQUIREMENT UNIT BREAKDOWN LOCATED ABOVE.

LEGEND

EXISTING CONDUIT
PROPOSED CONDUIT

MANHOLE
PULL BOX
3'-0" x 5'-0" x 4'-0"

PULL BOX
2'-6" x 4'-0" x 3'-0"

PULL BOX
17" x 30" x 30"

TERMINAL CABINET
36" x 36" x 6"
(100 PAIR)

TERMINAL CABINET
24" x 24" x 6"
(50 PAIR)

TERMINAL CABINET
18" x 24" x 6"
(25 PAIR)

3/4" PLYWOOD BACKBOARD

6 GROUND WIRE

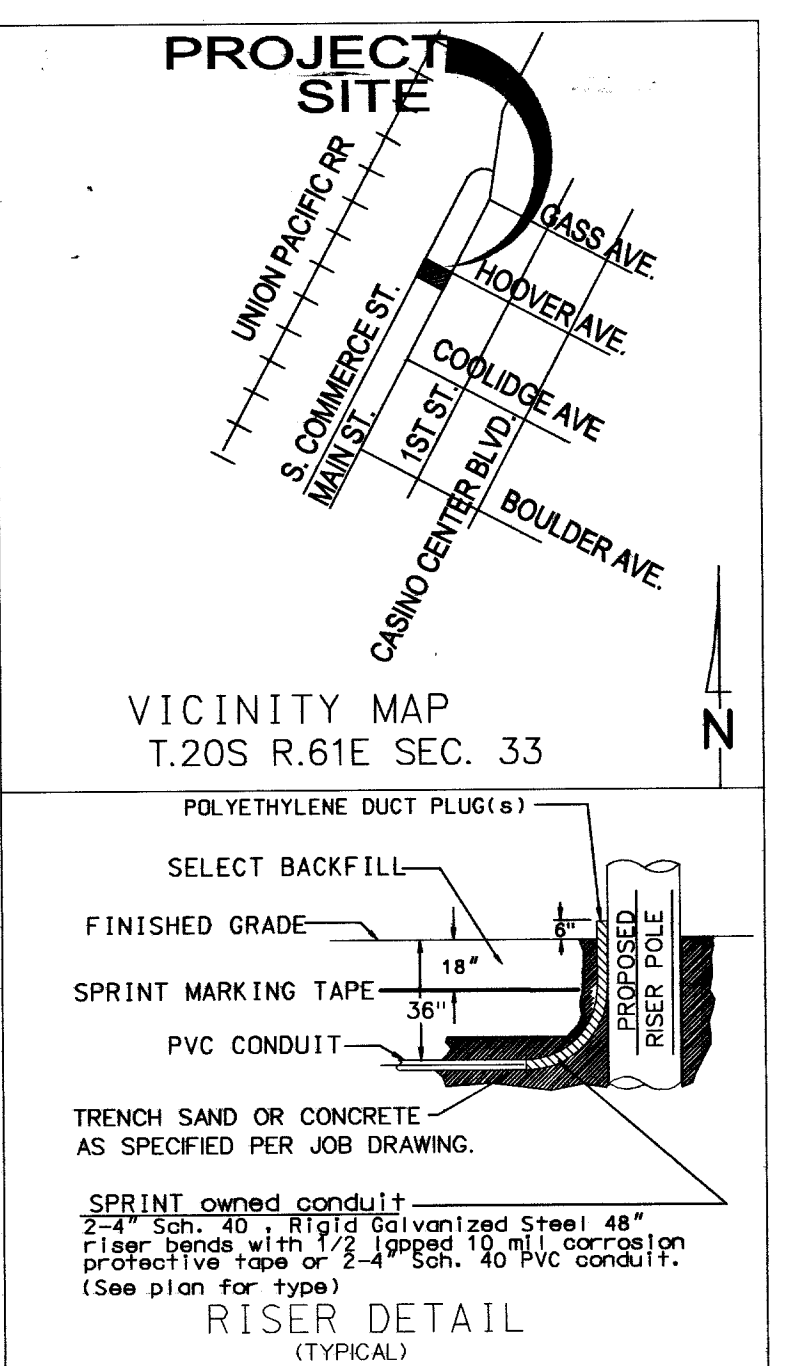
TREATED WITH FIRE RETARDANT PAINT OR SEALER. BACKBOARDS SMALLER THAN 4' x 8' (1 1/2" x 2' x 2' & 4' x 4') SHOULD BE MOUNTED 40" ABOVE THE FLOOR.

CONNECT TO M.G.N. (MULTI-GROUNDED NEUTRAL)

PROPERTY LINE
CENTER LINE

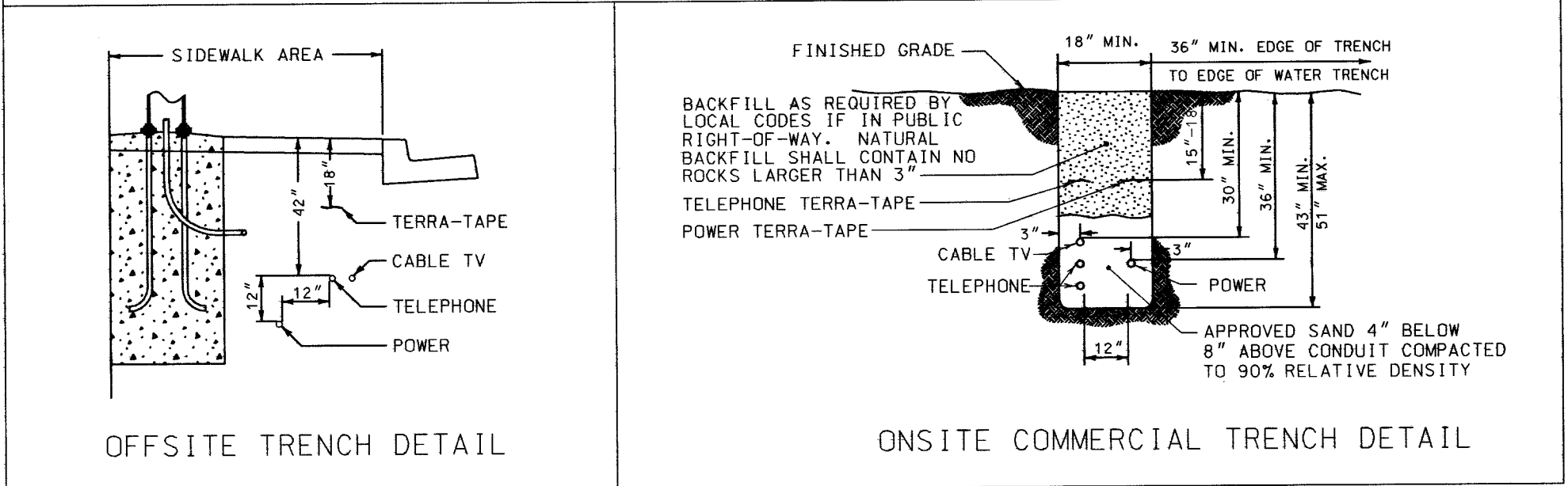
CURB & GUTTER

ALL PROPOSED ITEMS ON THIS PRINT ARE INDICATED IN RED



CONSTRUCTION NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST ISSUE OF THE SPRINT UNDERGROUND SPECIFICATIONS.
- ALL CONDUIT, TRENCHING, BACKFILLING AND SUBSTRUCTURES ARE TO BE PROVIDED BY THE DEVELOPER AND CONFORM WITH SPRINT STANDARDS UNLESS OTHERWISE SPECIFIED.
- TRENCHING AND TELEPHONE SUBSTRUCTURES ARE TO BE PLACED IN THE SIDEWALK AREA WHENEVER POSSIBLE. ALL TRENCHING WILL BE OF A MINIMUM DEPTH TO MAINTAIN 36" OF COVER OVER UNDERGROUND TELEPHONE FACILITIES AND 12" MINIMUM SEPARATION FROM FOREIGN UTILITIES. NEW AND EXISTING BOXES WILL BE ESTABLISHED TO FINISHED GRADE.
- ALL PULL BOXES (2'-6" x 4'-0" AND LARGER) AND MANHOLES ARE TO BE GROUNDED WITH A 3/8" X 1/16" TINNED SOFT COPPER BONDING RIBBON PLACED VERTICALLY AROUND THE BOTTOM OF THE BOX WITH 3" ENDS STUBBED INSIDE.
- WHEN EXISTING TELEPHONE FACILITIES (i.e. POLES, MANHOLES, PULL BOXES, CONDUIT, TERMINALS, etc.) ARE AFFECTED BY IMPROVEMENTS (REQUIRED BY LOCAL ORDINANCE SUCH AS STREET LIGHTS, SIDEWALK, GUTTERS, etc.) THE DEVELOPER SHALL BE RESPONSIBLE FOR THE ADJUSTMENT OF THESE FACILITIES AS REQUIRED.
- PLYWOOD BACKBOARDS ARE TO BE TREATED WITH FIRE RETARDANT MATERIAL, PAINT, OR SEALER.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL A MEASURING TAPE CONSISTING OF A WATER PROOF, 400 POUND TENSILE STRENGTH, MARKED IN ONE FOOT OR LESS INCREMENTS IN AT LEAST ONE DUCT OF ALL CONDUIT SECTIONS. ALL OTHER DUCTS IN A MULTIPLE DUCT SYSTEM WILL HAVE A 3/32" INCH JET LINE PULL STRING WITH 400 POUND TENSILE STRENGTH.
- THE CONTRACTOR SHALL PROVE AND MANORER ALL CONDUIT AFTER BACKFILLING WHILE A SPRINT INSPECTOR IS PRESENT. MANORER SIZE IS TO BE 1/4" SMALLER THAN THE INSIDE DIAMETER OF THE CONDUIT.
- IN ORDER TO INSURE ADEQUATE FACILITIES ARE PROVIDED FOR THIS PROJECT, IT IS IMPERATIVE THAT THE CONDUIT RECOMMENDATION NOT BE CHANGED WITHOUT SPRINT OUTSIDE PLANT ENGINEERING APPROVAL.
- CONCRETE ENCASUREMENT SHALL CONSIST OF 3/4" AGGREGATE, TYPE V, PORTLAND CEMENT CONCRETE. THE ENCASUREMENT SHALL BE A MINIMUM OF 2" BETWEEN THE CONDUIT AND A MINIMUM OF 3" ON THE TOP, BOTTOM AND SIDES OF THE DUCT BANK.
- ALL TERMINALS, BACKBOARDS, CABINETS, ETC., SHALL BE EQUIPPED WITH A #6 GAUGE GROUND WIRE, RUN TO A COMMON POWER M.G.N.
- A POLYETHYLENE DUCT PLUG SHALL BE INSTALLED IN ALL CONDUIT WHERE TERMINATED OR STUBBED.
- PROTECTIVE POSTS SHALL BE 4" RIGID STEEL PIPE, SIX FEET IN LENGTH, FILLED AND SET IN CONCRETE AT LOCATIONS SHOWN. THE TOP OF THE PROTECTIVE POST SHALL BE 36" INCHES ABOVE THE PROPOSED FINISHED GRADE AND PAINTED WITH YELLOW STREET MARKING PAINT.
- IF EXISTING TERMINATORS ARE NOT UTILIZED TO JOIN SUBSTRUCTURES, CALL 244-7811 FOR SPRINT INSPECTOR, 24 HOURS PRIOR TO PENETRATING ANY SPRINT MANHOLE OR PULL BOX. THE ENTRANCE LOCATION IS VERY CRITICAL AND WILL BE DETERMINED AT THIS TIME. CORE DRILLING AND PROPER GROUTING IS MANDATORY ENTERING THE SIDE OF A SPRINT MANHOLE OR PULL BOX IS NOT PERMITTED UNLESS APPROVED BY SPRINT.
- ALL TELEPHONE BOXES WILL BE REQUIRED TO HAVE AN 8" X 8" CONCRETE COLLAR POURED AROUND THE TOP PORTION OF THE BOX PER SPRINT STANDARDS. EXCEPT WHEN BOXES ARE TO BE LOCATED IN A CONCRETE SIDEWALK AREA.
- SPRINT WILL REQUIRE "AS-BUILT" FOOTAGES PRIOR TO ORDERING CABLE TO SERVE THIS DEVELOPMENT. THESE FOOTAGES MUST BE RECEIVED SIX WEEKS PRIOR TO SERVICE INSTALLATION DUE DATES.
- CALL 244-7811 TO SCHEDULE SPRINT INSPECTION 48 HOURS PRIOR TO STARTING ANY WORK.



CONTRACTOR / DEVELOPER NOTE

- CALL 244-7811 BETWEEN 7 A.M. AND 3 P.M. 24 HOURS IN ADVANCE FOR INSPECTION.
- ANY MODIFICATIONS TO SPRINT'S DESIGN MUST BE APPROVED BY THE ENGINEER.
- THESE PLANS WILL BE VALID FOR SIX MONTHS FROM DATE OF ISSUE.

CITY OF LAS VEGAS
PERMIT REQUIRED*

DEVELOPER/CONTRACTOR SHALL OBTAIN A CITY PERMIT BEFORE ANY EXCAVATION WORK WITHIN CITY OF LAS VEGAS RIGHT-OF-WAY

* SPRINT INSPECTOR WILL VERIFY CITY PERMIT FOR WORK DONE WITHIN CITY OF LAS VEGAS RIGHT-OF-WAY

INSPECTOR: _____ DATE: _____

EASEMENT / PERMIT CERTIFICATION

EASEMENT / PERMIT OBTAINED: YES ☒ NO ☐

DATE EASEMENT / PERMIT OBTAINED: _____

ROW ENGINEER SIGNATURE: _____

SPRINT EASEMENT / PERMIT NUMBER: _____

REMARKS: _____

OWNER/CONTACT: **RICH RIAL**
TELEPHONE: **258-4447**

APPROVED BY FACILITY ENGINEER: *[Signature]* DATE: **05.07.04**

APPROVED BY CITY OF LAS VEGAS: *[Signature]* DATE: **5/12/04**

SPRINT
PROPRIETARY

CONSTRUCTION PERMIT REQUIRED
BY CONTRACTOR

NO. _____ REVISION _____ ENGR. MGR. DATE _____

Call before you Dig.

1-800-227-2600
UNDERGROUND SERVICE (USA)

Sprint.

TITLE: UNDERGROUND CONDUIT
REQUIREMENT for
DIALYSIS CENTER

DATE: 3/25/04

SCALE: 1" = 20'

1 OF 1