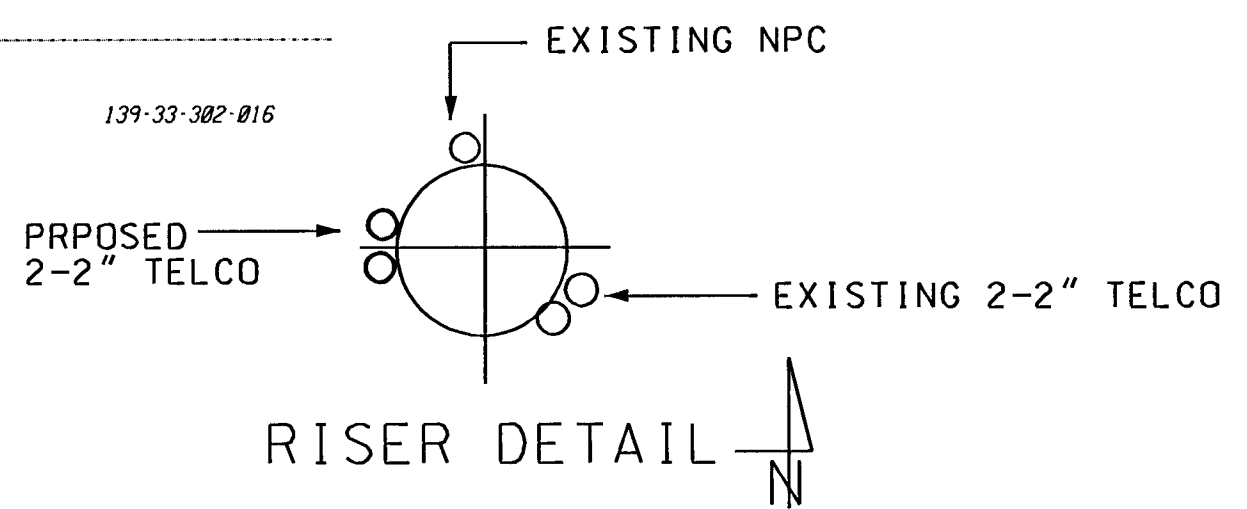
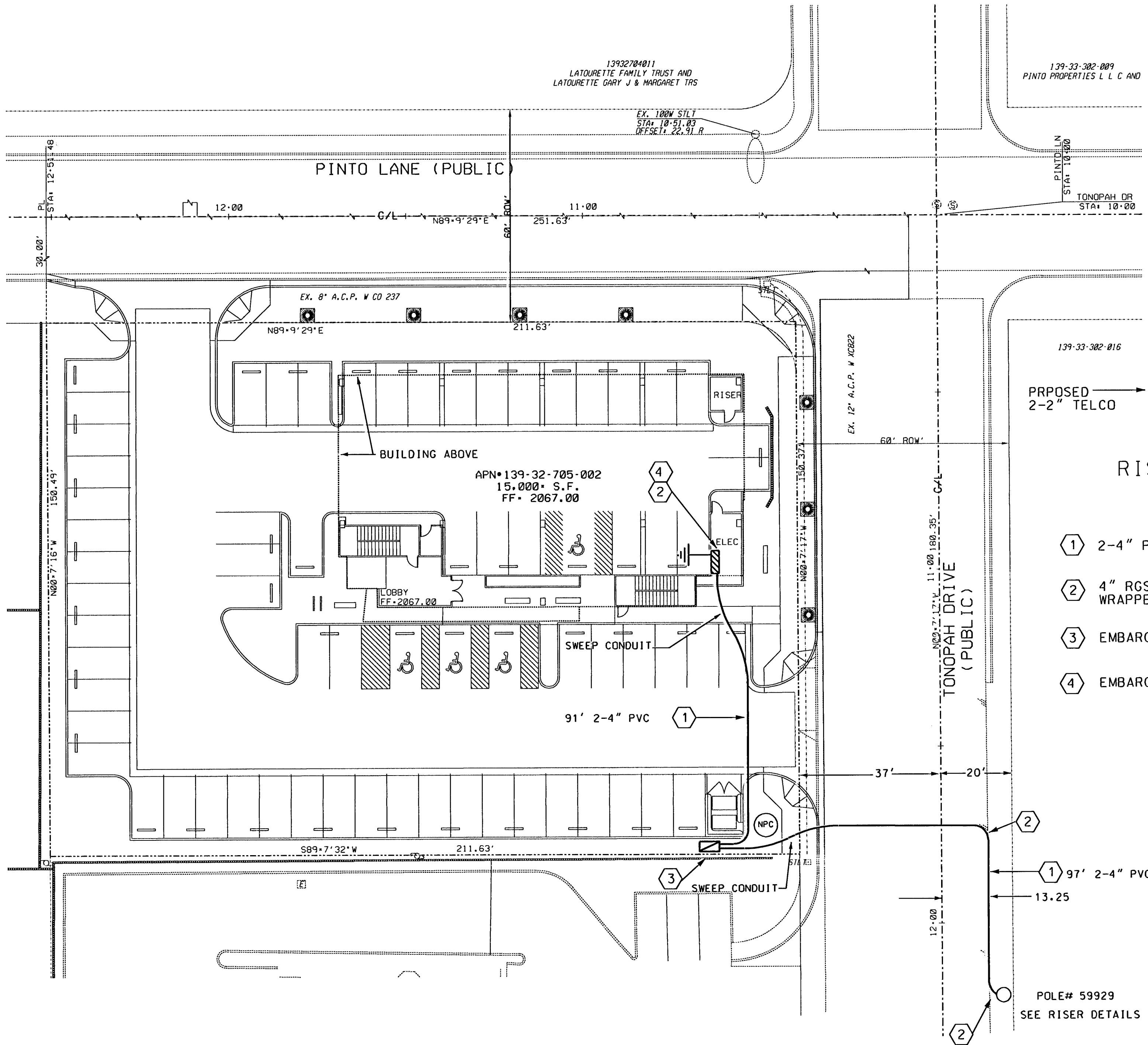
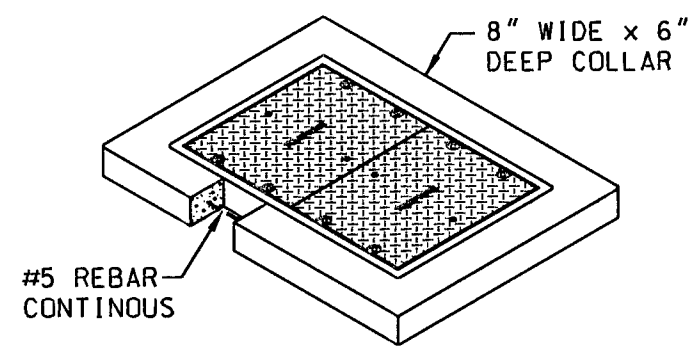


LANDSCAPE COLLAR DETAIL
ALL PULLBOXES NOT LOCATED IN A CONCRETE SIDEWALK AREA



- ① 2-4" PVC, DB-100 GRADE (EST. 188')
- ② 4" RGS 48" 90° BENDS DOUBLE WRAPPED 10 MIL PVC TAPE. (6 EA.)
- ③ EMBARQ PULL BOX (30"x48"x48"). (1 EA.)
- ④ EMBARQ BACKBOARD 3/4" PLYWOOD 4' X 8'

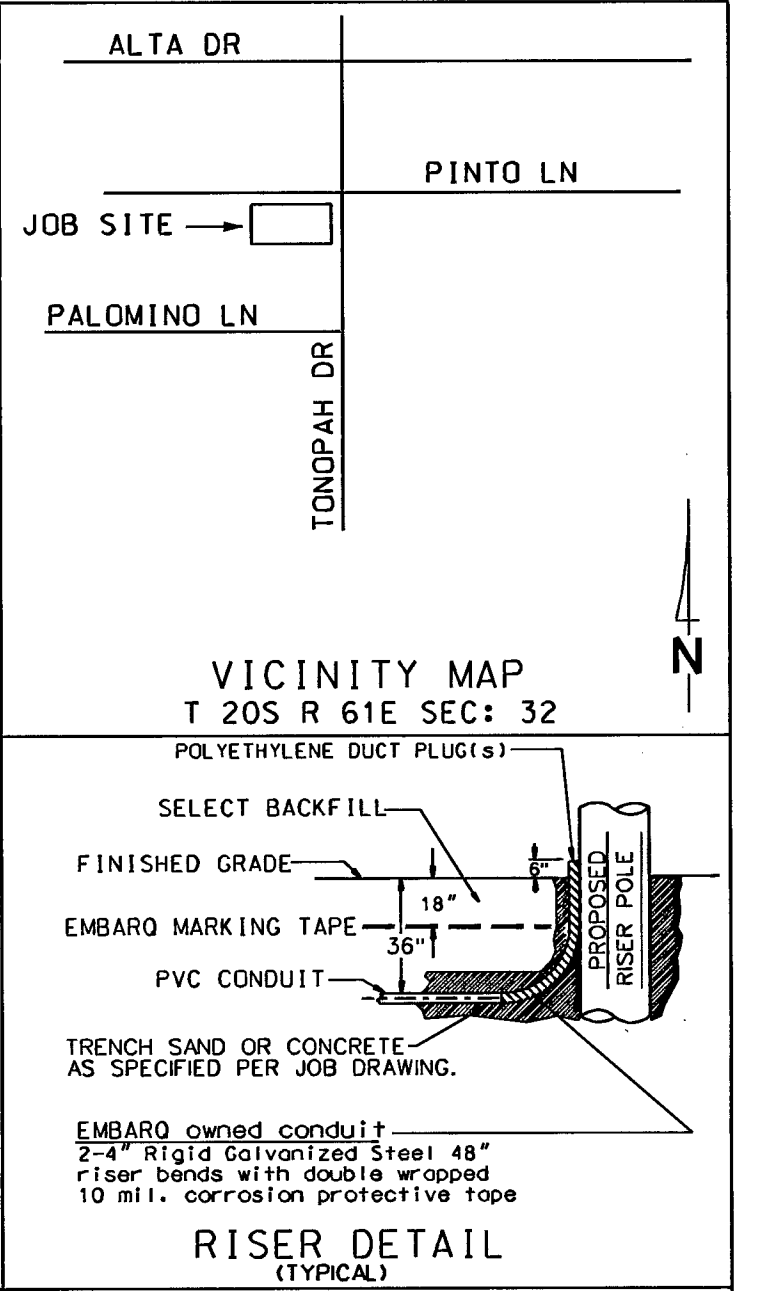
DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. EMBARQ ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES NOT SHOWN IN THEIR PROPER LOCATION.

APPROVED FOR CONSTRUCTION
THIS APPROVAL IS FOR WORK IN CLV R/W OR CLV EASEMENTS ONLY. OBTAINING PERMISSIONS OR EASEMENTS FOR WORK SHOWN ON PRIVATE PROPERTY IS THE RESPONSIBILITY OF THE UTILITY.

APPROVAL: *[Signature]* DATE: 11/21/2008

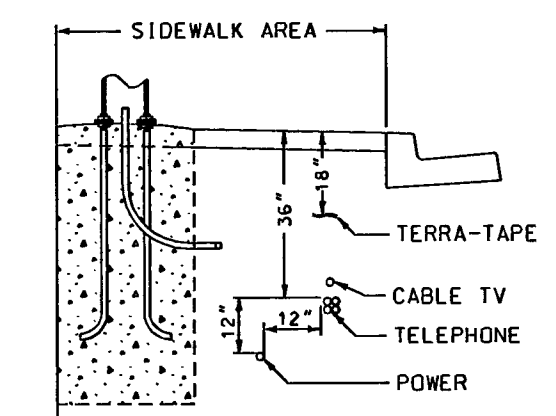
LEGEND

- PROPOSED CONDUIT
 - - - EXISTING CONDUIT
 - MANHOLE
 - 400 PULL BOX 3'-0" x 5'-0" x 4'-0"
 - 200 PULL BOX 2'-6" x 4'-0" x 4'-0"
 - 30 PULL BOX 17" x 30" x 30"
 - ▷ 16 HAND HOLE 9" x 14"
 - ⊗ EMBARQ 100 TERMINAL CABINET 48" x 48" x 6" (100 PARS)
 - ⊗ EMBARQ 50 TERMINAL CABINET 36" x 36" x 6" (25 TO 50 PARS)
 - ▨ 3/4" PLYWOOD BACKBOARD
 - ⊕ 6 GROUND WIRE
- P.V.C. - D.B. (DIRECT BURIAL) GRADE D.B. 60 FOR 1-1/2", 2", & 3" D.B. 90 FOR 4"
- 90° SWEEPS - SCHEDULE 40 (TYPICAL) OR RIGID GALVANIZED STEEL WITH DOUBLE-WRAPPED TO MIL CORROSION PROTECTION TAPE. (AS SHOWN)
- MANHOLE (SEE DRAWING FOR SIZE)
- TELEPHONE PULL BOX WITH TWO (2) HINGED ALUMINUM TORSION-ASSISTED TRAFFIC RATED LIDS MARKED "TELCO", GALVANIZED STEEL ADJUSTING FRAME AND 4-18 HOLE CABLE RACKS (2 EA. SIDE)
- UNDERWRITER LABORATORY APPROVED, RAIN-TIGHT WITH A NON-LOCKING, SIDE-HINGED DOOR, EQUIPPED INSIDE WITH A 3/4" PLYWOOD BACKBOARD (1" SMALLER ON ALL SIDES, CENTERED IN CABINET) SECURED WITH RECESSED MOUNTING HARDWARE AND A # 6 GROUND WIRE CONNECTED TO AN APPROVED GROUND SOURCE (SEE GROUND NOTE BELOW).
- TELEPHONE TERMINAL BACKBOARD (T.T.B.) - TREATED WITH FIRE RETARDANT PAINT OR SEALER. BACKBOARDS SMALLER THAN 4" x 8" (ie. 2" x 2" & 4" x 4") SHOULD BE MOUNTED 40" ABOVE THE FLOOR.
- CONNECT TO THE APPROVED COMMUNICATION GROUNDING SOURCE AS DETERMINED BY THE ELECTRICAL ENGINEER FOR THIS BUILDING OR DEVELOPMENT.

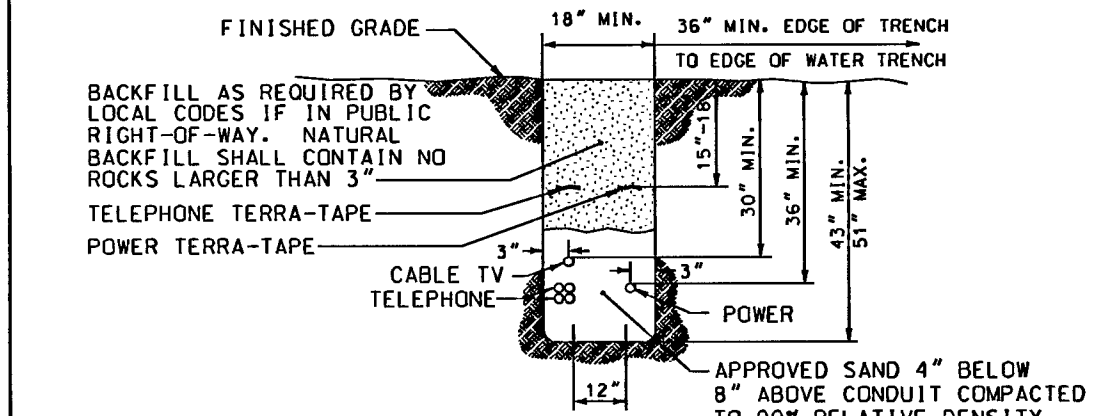


CONSTRUCTION NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE LATEST ISSUE OF THE EMBARQ UNDERGROUND SPECIFICATIONS.
- ALL CONDUIT, TRENCHING, BACKFILLING AND SUBSTRUCTURES ARE TO BE PROVIDED BY THE DEVELOPER AND CONFORM WITH EMBARQ 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 55" 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 1/8" TINNED SOFT COPPER BONDING RIBBON PLACED VERTICALLY AROUND THE BOTTOM OF THE BOX WITH 3' ENDS STUBBED INSIDE.
- WHEN EXISTING TELEPHONE FACILITIES (ie. POLES, MANHOLES, PULL BOXES, CONDUIT, TERMINALS, etc.) ARE AFFECTED BY IMPROVEMENTS (REQUIRED BY LOCAL ORDINANCE SUCH AS STREET LIGHTS, SIDEWALK, CUTTERS, 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" HIGH JET LINE PULL STRING WITH 400 POUND TENSILE STRENGTH.
- THE CONTRACTOR SHALL PROVE AND MANDREL ALL CONDUIT AFTER BACKFILLING WHILE AN EMBARQ INSPECTOR IS PRESENT. MANDREL 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 EMBARQ OUTSIDE PLANT ENGINEERING APPROVAL.
- CONCRETE ENCASUREMENT SHALL CONSIST OF 3/4" AGGREGATE, 6 SACKS, TYPE V, PORTLAND CEMENT CONCRETE. THE ENCASUREMENT SHALL BE A MINIMUM DEPTH 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 AN APPROVED GROUND SOURCE.
- 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" 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 AN EMBARQ INSPECTOR, 24 HOURS PRIOR TO PENETRATING ANY EMBARQ MANHOLE OR PULL BOX. THE ENTRANCE LOCATION IS VERY CRITICAL AND WILL BE DETERMINED AT THAT TIME. CORE DRILLING AND PROPER GROUTING IS MANDATORY. ENTERING THE SIDE OF AN EMBARQ MANHOLE OR PULL BOX IS NOT PERMITTED UNLESS APPROVED BY EMBARQ.
- ALL TELEPHONE BOXES WILL BE REQUIRED TO HAVE AN 8" x 8" CONCRETE COLLAR POURED AROUND THE TOP PORTION OF THE BOX PER EMBARQ STANDARDS, EXCEPT WHEN BOXES ARE TO BE LOCATED IN A CONCRETE SIDEWALK AREA.
- EMBARQ 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 EMBARQ INSPECTION 24 HOURS PRIOR TO STARTING ANY WORK.



OFFSITE TRENCH DETAIL



ONSITE TRENCH DETAIL

CONTRACTOR / DEVELOPER NOTE

- THE DEVELOPER/CONTRACTOR SHALL CALL 244-7811 TO SCHEDULE INSPECTIONS 24 HOURS IN ADVANCE. REQUESTS RECEIVED AFTER 11:00 AM MAY NOT BE SCHEDULED FOR THE FOLLOWING WORKDAY.
- ANY MODIFICATIONS TO THE EMBARQ DESIGN MUST BE APPROVED BY THE ENGINEER.
- THESE PLANS WILL BE VALID FOR SIX MONTHS FROM DATE OF ISSUE.

EASEMENT / PERMIT CERTIFICATION EASEMENT / PERMIT REQUIRED: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> EASEMENT / PERMIT OBTAINED: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> DATE EASEMENT / PERMIT OBTAINED: _____ ROW ENGINEER SIGNATURE: _____ EMBARQ EASEMENT / PERMIT NUMBER: _____ REMARKS: _____		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 * EMBARQ INSPECTOR WILL VERIFY CITY PERMIT FOR WORK DONE WITHIN CITY OF LAS VEGAS RIGHT-OF-WAY INSPECTOR: _____ DATE: _____	OWNER/CONTACT: DAVE RICHARDSON TELEPHONE: 702-983-0708 REVIEWED BY FACILITY ENGINEER: _____ DATE: _____
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EMBARQ PROPRIETARY
CONSTRUCTION PERMIT REQUIRED BY CONTRACTOR

NO.	REVISION	ENGR.	MGR.	DATE
1				
2				
3				

Call before you Dig.
Dial 811 UNDERGROUND SERVICE (USA)
24203941
J. ELLIOTT
REQUIREMENT FOR
244-1979
SCHIFINI BUILDING
600 S TONOPAH
1" = 20'
NOV 10/14/08
1 of 1

114777

NOV 07 2008 #31035 SCHIFINI BUILDING NOV 20 2008