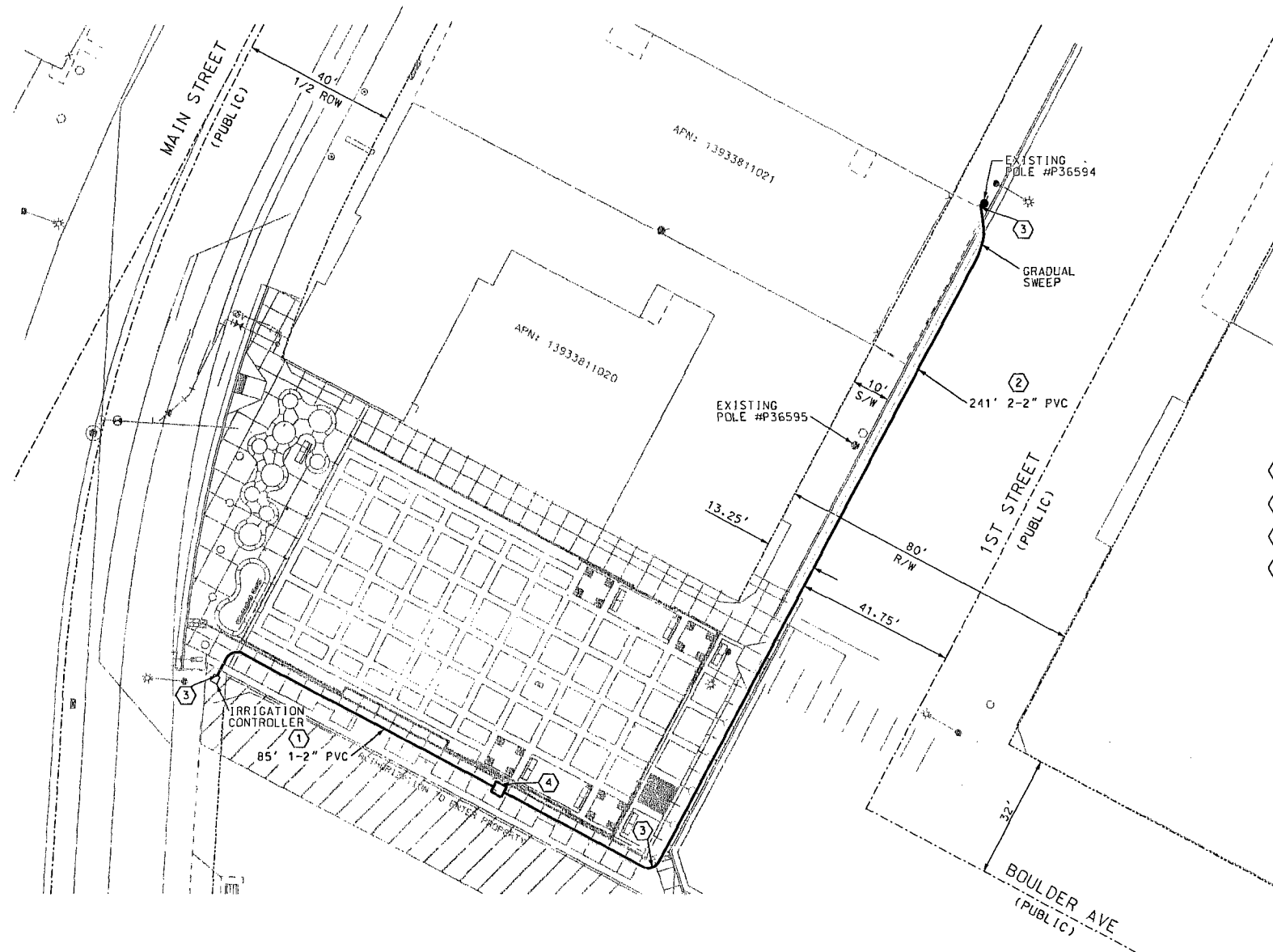




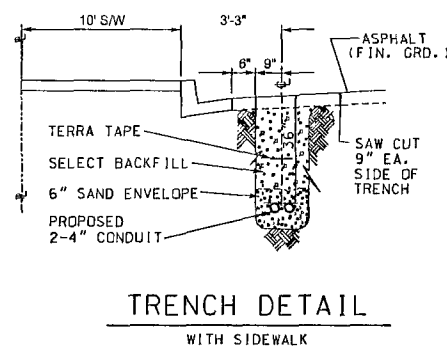
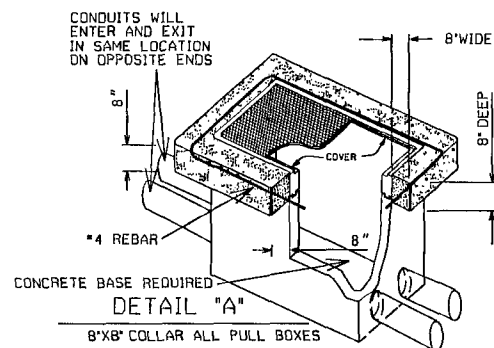
NOTE:
CONTRACTOR/DEVELOPER MUST REMOVE
AND REPLACE CONCRETE, ASPHALT AND
LANDSCAPING AS NECESSARY.



LEGEND ESTIMATED QUANTITIES SHOWN IN (PARENTHESIS) AFTER EACH UNIT

- ① 1-2" PVC, DB-60 GRADE (EST. 85')
- ② 2-2" PVC, DB-60 GRADE (EST. 241')
- ③ 2" RGS 36" 90° BENDS DOUBLE
WRAPPED 10 MIL PVC TAPE. (5 EA.)
- ④ PULL BOX (17"x30"x30"). (1 EA.)

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.

Jim Myrland 6-20-09
APPROVAL DATE

EMBARQ
PROPRIETARY
CONSTRUCTION PERMIT REQUIRED
BY CONTRACTOR

LEGEND

PROPOSED CONDUIT
EXISTING CONDUIT

MANHOLE
400 PULL BOX
200 PULL BOX
30 PULL BOX
15 HAND HOLE
EMBARQ 100 TERMINAL CABINET
EMBARQ 50 TERMINAL CABINET
1/2" PLYWOOD BACKBOARD
6" GROUND WIRE

P.V.C. - D.B. (DIRECT BURIAL) GRADE
D.B. 60 FOR 1-1/2", 2" & 3"
D.B. 100 FOR 4"
90° SWEEPS - SCHEDULE 40 (TYPICAL) OR
RIGID GALVANIZED STEEL WITH
DOUBLE-WRAPPED 10 MIL
CORROSION PROTECTION TAPE.
(AS SHOWN)

MANHOLE (SEE DRAWING FOR SIZE)

TELEPHONE PULL BOX WITH TWO (2) WIRING
ALUMINUM TORSION-ASSISTED TRAFFIC RATED
LBS MARKED "TELOCO" GALVANIZED STEEL
ADJUSTING FRAME AND 4-16 GAGE CABLE
RACKS (2 EA. SIDE).

UNDERWRITER LABORATORY APPROVED, RAIN-TIGHT
WITH A NON-LOCKING SIDE-HINGED DOOR EQUIPPED
INSIDE WITH A 1/2" PLYWOOD BACKBOARD (1"
SHEATH 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'
6x2" x 2" x 4" x 4" SHOULD BE MOUNTED
40" ABOVE THE FLOOR.

CONNECT TO THE APPROVED COMMUNICATION
GROUND SOURCE AS DETERMINED BY THE
ELECTRICAL ENGINEER FOR THIS BUILDING OR
DEVELOPMENT.

VICINITY MAP

T 20S R 61E SEC: 33

POLYETHYLENE DUCT PLUG(S)

SELECT BACKFILL

FINISHED GRADE

EMBARQ MARKING TAPE

PVC CONDUIT

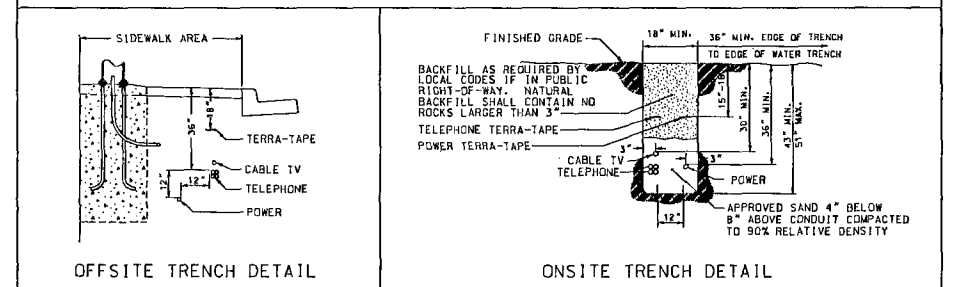
TRENCH SAND OR CONCRETE -
AS SPECIFIED PER JOB DRAWING.

EMBARQ owned conduit
2-4" rigid galvanized steel 48"
riser bands with double wrapped
10 mil. corrosion protective top

RISER DETAIL (TYPICAL)

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 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 1/2" 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 (e.g. 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 1/2" INCH JET LINE PULL STRING WITH 400 POUND TENSILE STRENGTH.
- THE CONTRACTOR SHALL PROVE AND MANHOLE 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 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 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 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.



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		CITY OF LAS VEGAS PERMIT REQUIRED	
EASEMENT / PERMIT REQUIRED: YES ☐ NO ☒	EASEMENT / PERMIT OBTAINED: YES ☐ NO ☒	DEVELOPER/CONTRACTOR SHALL OBTAIN A CITY PERMIT BEFORE ANY EXCAVATION WORK WITHIN CITY OF LAS VEGAS RIGHT-OF-WAY	
DATE EASEMENT / PERMIT OBTAINED: _____		EMBARQ INSPECTOR WILL VERIFY CITY PERMIT FOR WORK DONE WITHIN CITY OF LAS VEGAS RIGHT-OF-WAY	
ROW ENGINEER SIGNATURE: _____		INSPECTOR: _____ DATE: _____	
EMBARQ EASEMENT / PERMIT NUMBER: _____		OWNER/CONTACT: PATRICK MYRICK	
REMARKS: _____		TELEPHONE: 702-811-3621	

NO.	REVISION	ENGR.	MGR.	DATE
1				
2				
3				

UNDERGROUND CONDUIT

REQUIREMENT FOR

BOULDER PARK PLAZA

BOULDER & MAIN

676-01-UTL

S. PEREZ 24204980

44-1352 MAIN

GILFORD 03/16/09

1" = 20'

Call before you Dig.

811

UNDERGROUND SERVICE (USA)

117325

118877