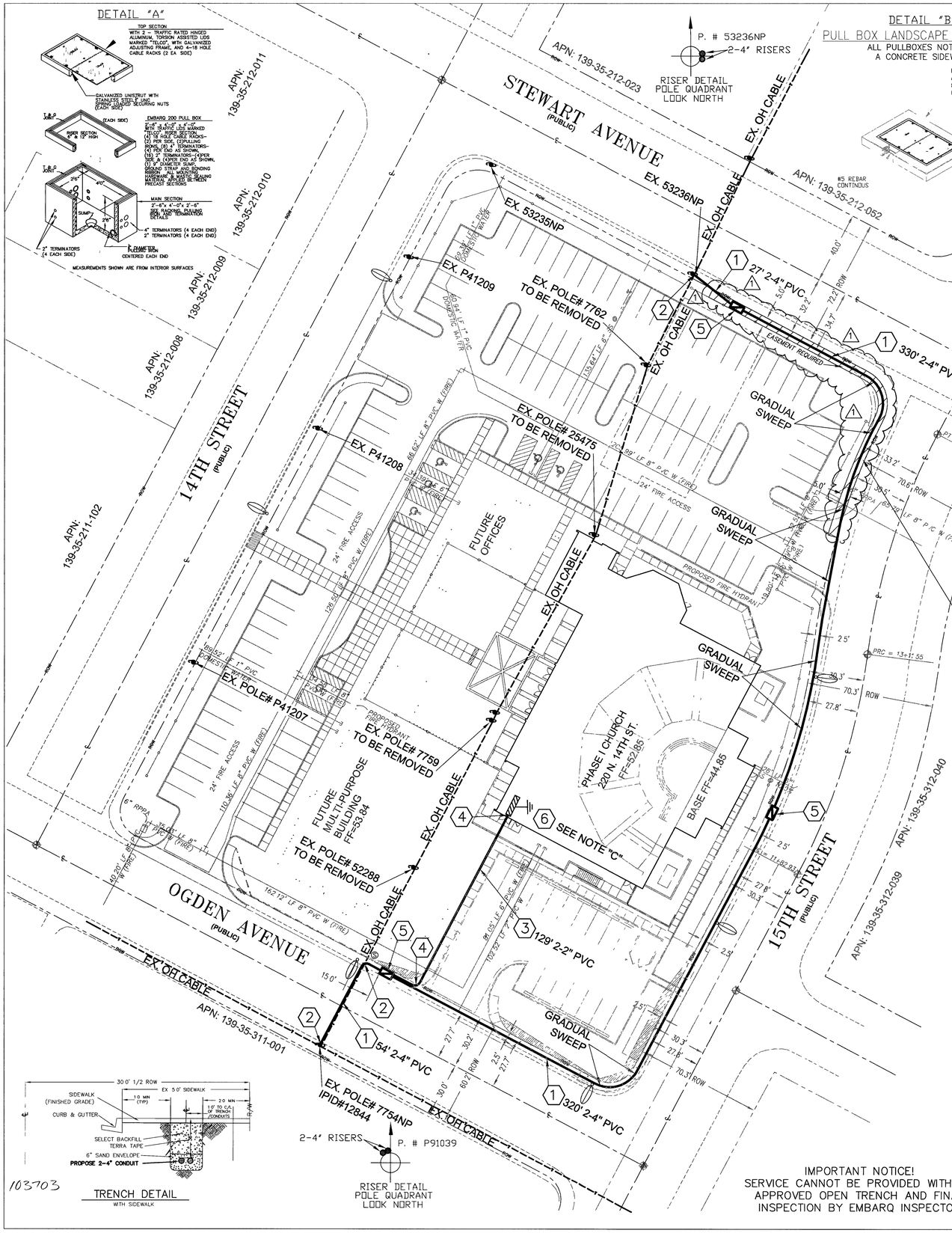



DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATELY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING CONSTRUCTION. EMBARQ ASSUMES NO RESPONSIBILITY FOR UTILITIES NOT SHOWN OR UTILITIES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

NOTE "C"
3/4" TERMINAL BACKBOARD TREATED WITH FIRE RETARDANT PAINT OR SEALER. WITH # 6 GROUND WIRE CONNECTED TO APPROVED COMMUNICATIONS GROUNDING SOURCE AS DETERMINED BY THE ELECTRICAL ENGINEER FOR THIS BUILDING OR DEVELOPER.

**EMBARQ REQUIRES NEW EASEMENT 5' X 200' FROM APN: 139-35-301-007. BEFORE FACILITIES PROVIDED. EASEMENT NOTE: CONTACT SPRINT EASEMENT OFFICE TOMMY SASSONE AT 702-244-7958 FOR EASEMENT FORMS AFTER ACQUIRING LEGAL DESCRIPTION FROM YOUR CIVIL ENGINEERING FIRM.**

## LEGEND

1. 2–4" CONDUIT –DB–100 BY DEVELOPER ( EST. 714')
2. 2–4" RGS 48" 90° BENDS DOUBLE WRAPPED 10 MIL TAPE BY DEVELOPER ( QTY 6 EA)
3. 2–2" CONDUIT –DB–60 BY DEVELOPER ( EST. 129')
4. 2–2" RGS 36" 90° BENDS BY DEVELOPER ( QTY 4 EA)
5. PLACE EMBARQ 200 PULL BOX 2'–6"x4'–0"x4'–0" WITH 2 – TRAFFIC RATED HINGED ALUMINUM, TORSION ASSISTED LIDS MARKED "TELCO", WITH GALVANIZED ADJUSTING FRAME, AND 4–18 HOLE CABLE RACKS (2 EA. SIDE) A. PULL BOX FURNISHED AND INTALLED BY DEVELOPER. ( QTY 3 EA)
6. TELEPHONE TERMINAL BACKBOARD 4' x 8' x ¾" PLYWOOD BACKBOARD AND A # 6 SOLID COPPER GROUND CONNECTED TO AN APPROVED GROUND SOURCE. BY DEVELOPER ( QTY 1 EA)

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

Orig. Approved 7/2/07
APPROVAL DATE

IMPORTANT NOTICE!
SERVICE CANNOT BE PROVIDED WITHOUT APPROVED OPEN TRENCH AND FINAL INSPECTION BY EMBARQ INSPECTOR




TRENCH DETAIL
WITH SIDEWALK



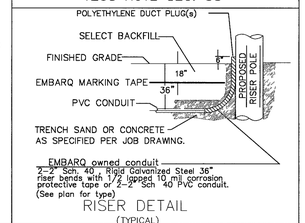

RISER DETAIL
POLE QUADRANT
LOOK NORTH

103703

## LEGEND

| | |
|---|---|
| PROPOSED CONDUIT | P.V.C. – D.B. (DIRECT BURIAL) GRADE D.B. 60 FOR 1–1/4", 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) |
| EXISTING CONDUIT | |
| MANHOLE | MANHOLE (SEE DRAWING FOR SIZE) |
| 400 PULL BOX 3'–0" x 5'–0" x 4'–0" | 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). |
| 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 PAIR) | 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). |
| EMBARQ 50 TERMINAL CABINET 36" x 36" x 6" (25 to 50 PAIR) | |
| 3/4" PLYWOOD BACKBOARD | 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. |
| # 6 GROUND WIRE | CONNECT TO THE APPROVED COMMUNICATION GROUNDING SOURCE AS DETERMINED BY THE ELECTRICAL ENGINEER FOR THIS BUILDING OR DEVELOPMENT. |

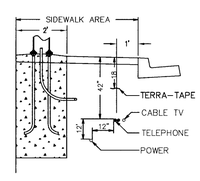
VICINITY MAP
N.T.S.
T20S R61E SEC. 35



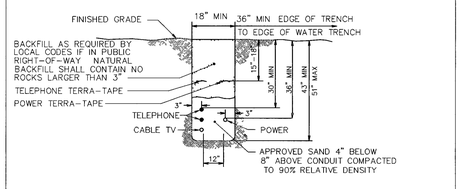

RISER DETAIL
(TYPICAL)

## CONSTRUCTION NOTES

1. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST ISSUE OF THE EMBARQ UNDERGROUND SPECIFICATIONS.
2. ALL CONDUIT, TRENCHING, BACKFILLING AND SUBSTRUCTURES ARE TO BE PROVIDED BY THE DEVELOPER AND CONFORM WITH EMBARQ STANDARDS UNLESS OTHERWISE SPECIFIED.
3. 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
4. ALL PULL BOXES (2'–6" x 4'–0" AND LARGER) AND MANHOLES ARE TO BE GROUNDED WITH A 3/8"x1/16" TINNED SOFT COPPER BONDING RIBBON PLACED VERTICALLY AROUND THE BOTTOM OF THE BOX WITH 3' ENDS STUBBED INSIDE.
5. WHEN EXISTING TELEPHONE FACILITIES (ie. POLES, MANHOLES, PULL BOXES, CONDUIT, TERMINALS, etc.) ARE AFFECTED BY IMPROVEMENTS (REQUIRED BY LOCAL ORDINANCE SUCH A STREET LIGHTS, SIDEWALK, GUTTERS, etc.) THE DEVELOPER SHALL BE RESPONSIBLE FOR THE ADJUSTMENT OF THESE FACILITIES AS REQUIRED.
6. PLYWOOD BACKBOARDS ARE TO BE TREATED WITH FIRE RETARDANT MATERIAL, PAINT, OR SEALER.
7. 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.
8. 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.
9. 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.
10. CONCRETE ENCASEMENT SHALL CONSIST OF 3/4" AGGREGATE 6 SACKS, TYPE V, PORTLAND CEMENT CONCRETE. THE ENCASEMENT SHALL BE A MINIMUM OF 2" BETWEEN THE CONDUIT AND A MINIMUM OF 3" ON THE TOP, BOTTOM AND SIDES OF THE DUCT BANK
11. ALL TERMINALS, BACKBOARDS, CABINETS, ETC., SHALL BE EQUIPPED WITH A #6 GAUGE GROUND WIRE, RUN TO AN APPROVED GROUND SOURCE.
12. A POLYETHYLENE DUCT PLUG SHALL BE INSTALLED IN ALL CONDUIT WHERE TERMINATED OR STUBBED.
13. 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.
14. IF EXISTING TERMINATORS ARE NOT UTILIZED TO JOIN SUBSTRUCTURES, CALL 244–7811 FOR AN EMBARQ INSPECTOR, 24 HOURS PRIOR TO PENTRATING 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.
15. 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.
16. 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.
17. CALL 244–7811 TO SCHEDULE EMBARQ INSPECTION 24 HOURS PRIOR TO STARTING ANY WORK.




OFFSITE TRENCH DETAIL




ONSITE COMMERCIAL TRENCH DETAIL

## CONTRACTOR / DEVELOPER NOTE

1. 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.
2. ANY MODIFICATIONS TO THE EMBARQ DESIGN MUST BE APPROVED BY THE ENGINEER.
3. THESE PLANS WILL BE VALID FOR SIX MONTHS FROM DATE OF ISSUE.

EASEMENT / PERMIT CERTIFICATION
EASEMENT / PERMIT REQUIRED: YES☒ NO☐
EASEMENT / PERMIT OBTAINED: YES☐ NO☒
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: LIBRA VICENTE
TELEPHONE: (702) 871–3621

LEN BELLOWS 244–7839 5/24/07
REVIEWED BY FACILITY ENGINEER: DATE

107/4732-SPR

| NO. | REVISION | ENGR. | MGR. | DATE |
|---|---|---|---|---|
| 1 | CONDUIT AND PULL BOX RELOCATED. PER CUSTOMER REQUEST. | | | 7/2/07 NP |
| 2 | | | | |
| 3 | | | | |

Avoid cutting underground utility lines It's costly
Call before you Dig.
1–800–227–2600
UNDERGROUND SERVICE (USA)

EMBARQ PROPRIETARY
CONSTRUCTION PERMIT REQUIRED BY CONTRACTOR

EMBARQ

| | | | |
|---|---|---|---|
| TITLE | UNDERGROUND CONDUIT REQUIREMENT for ST. BRIDGE'S CHURCH STEWART AVE. & 14TH ST. | DESIGNER | E. CORREA |
| | | W.A. | 24194405 |
| | | PHONE | 244–1868 |
| | | C.O. | MN |
| LOC. | | APV'D BY | J. STOKES |
| | | ISSUE DATE | |
| | | SCALE | 1"= 30' |
| | | SHT. NO | 1 of 1 |

CLV #22276 SAINT BRIDGETS CHURCH – (PHONES)

JUN 29 2007
MAY 29 2007