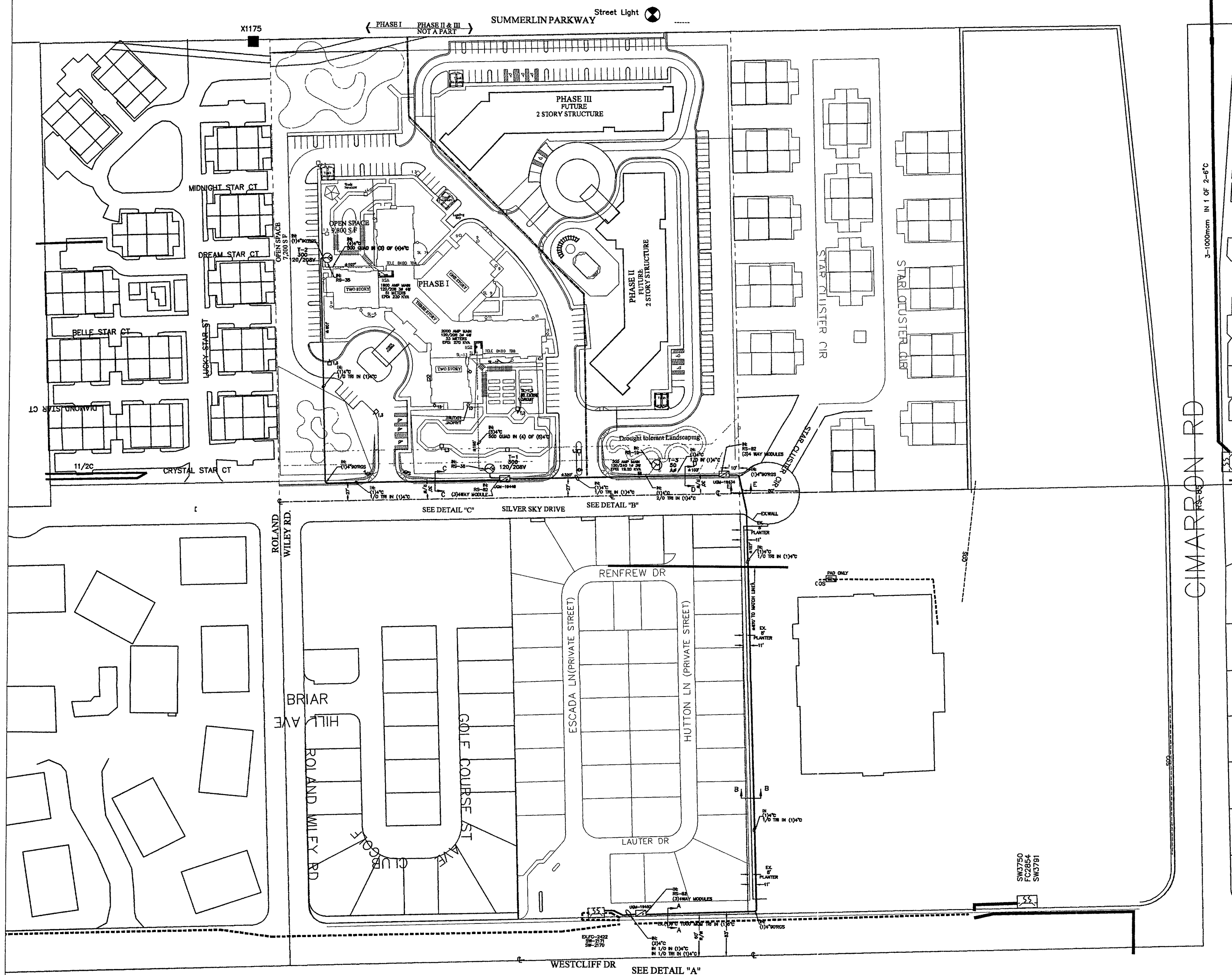
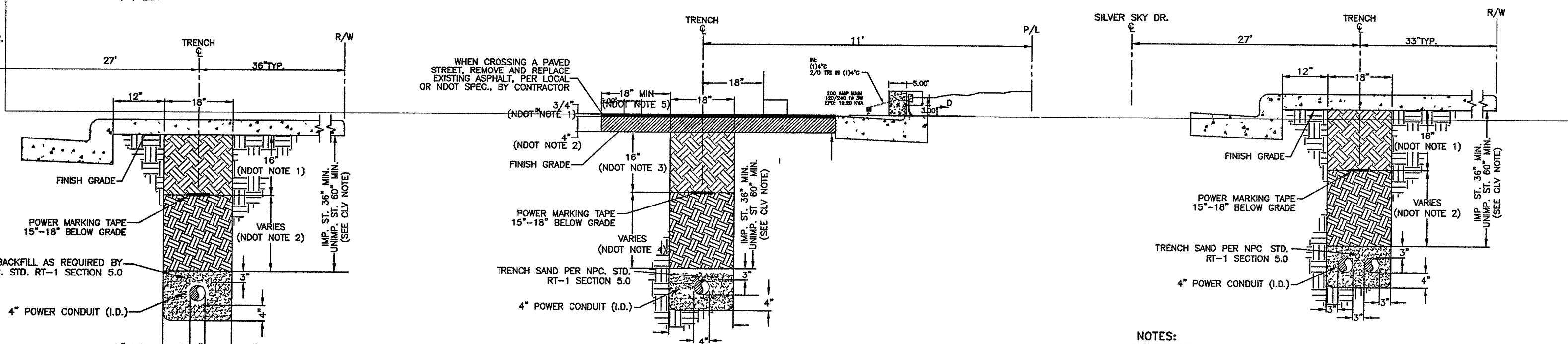


OVERALL PROJECT

-NOT TO SCALE-



WESTCLIFF DR



TRENCH DETAIL "B-B"

NOTES:
1. BASE AGGREGATE (AS PER NDOT SPECIFICATIONS, SECTION 704) A MINIMUM OF 18 INCHES TO BE LAID IN MAXIMUM 8 INCH LOOSE LIFTS. 90% COMPACTION REQUIRED.
2. BACKFILL WITH SELECT MATERIAL TO BOTTOM OF BASE AGGREGATE (AS PER NDOT SPECIFICATIONS, SECTION 207). 90% COMPACTION REQUIRED.
3. EXISTING PERMANENT PAVEMENT WITH CURB & GUTTER AND/OR ADJACENT PERMANENT SIDEWALK.
4. WITHIN AN IMPROVED TRAIL AREA.
5. LIMITS OF CONSTRUCTION INSTALLED CONCURRENT WITH A PRIVATE OR PUBLIC PROJECT.
6. UNIMPROVED AREA (UNIMP. ST.): (LOCATION OF TRENCH)
7. ANY OTHER SCENARIO THAT FAILS TO MEET THE IMPROVED AREA CRITERIA(S) WILL BE CONSIDERED AN UNIMPROVED AREA.
8. NPC REQUIREMENTS:
9. FOR ALL OTHER JURISDICTIONS REFER TO NPC STANDARDS.
10. BACKFILL REQUIREMENTS NPC, STD. RT-1.
11. TRENCH DEPTH REQUIREMENTS NPC, STD. RT-5.

TRENCH DETAIL "C-C"

1-4" CONDUITS

78889

NOTES:
1. BASE AGGREGATE (AS PER NDOT SPECIFICATIONS, SECTION 704) A MINIMUM OF 18 INCHES TO BE LAID IN MAXIMUM 8 INCH LOOSE LIFTS. 90% COMPACTION REQUIRED.
2. BACKFILL WITH SELECT MATERIAL TO BOTTOM OF BASE AGGREGATE (AS PER NDOT SPECIFICATIONS, SECTION 207). 90% COMPACTION REQUIRED.
3. EXISTING PERMANENT PAVEMENT WITH CURB & GUTTER AND/OR ADJACENT PERMANENT SIDEWALK.
4. WITHIN AN IMPROVED TRAIL AREA.
5. LIMITS OF CONSTRUCTION INSTALLED CONCURRENT WITH A PRIVATE OR PUBLIC PROJECT.
6. UNIMPROVED AREA (UNIMP. ST.): (LOCATION OF TRENCH)
7. ANY OTHER SCENARIO THAT FAILS TO MEET THE IMPROVED AREA CRITERIA(S) WILL BE CONSIDERED AN UNIMPROVED AREA.
8. NPC REQUIREMENTS:
9. FOR ALL OTHER JURISDICTIONS REFER TO NPC STANDARDS.
10. BACKFILL REQUIREMENTS NPC, STD. RT-1.
11. TRENCH DEPTH REQUIREMENTS NPC, STD. RT-5.

TRENCH DETAIL "D-D"

2-4" CONDUITS

GENERAL NOTES:

ANY NOTES LOCATED IN DRAWING AREA TAKE PRECEDENCE OVER STANDARD NOTES.

ALL WORK SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS SET FORTH IN THE ELECTRIC SERVICE REQUIREMENTS HANDBOOK, AS CURRENTLY ADOPTED BY NPC. THE CONTRACTOR SHALL SECURE COPIES OF THE AFOREMENTIONED CONSTRUCTION SPECIFICATIONS ON HIS OR HER OWN BEHALF.

REFER TO A CURRENT NEVADA POWER ELECTRIC SERVICE REQUIREMENTS HANDBOOK FOR FURTHER CLARIFICATION OF NPC STANDARDS.

THE APPLICANT SHALL INFORM THE INSPECTOR AT LEAST 48 HOURS BEFORE COMMENCING ANY ITEM OF CONSTRUCTION OR INSTALLATION OF MATERIAL TO ENABLE PROPER INSPECTION OF MATERIALS AND WORKMANSHIP. MAIN TRENCH WIRE PULLS TO BE SCHEDULED 72 HOURS IN ADVANCE OF INSTALLATION. APPLICANT'S PROJECT WILL NOT BE SCHEDULED UNTIL FINAL APPROVAL FROM NPC UNDERGROUND & ELECTRICAL INSPECTORS.

SYMBOLS ARE NOT TO SCALE AND DO NOT NECESSARILY REPRESENT ACTUAL LOCATIONS OF FACILITIES.

THIS DRAWING ILLUSTRATES DATA COLLECTED FROM VARIOUS SOURCES AND MAY NOT REPRESENT A SURVEY OF THE PREMISES.

APPLICANT SHALL FIELD DETERMINE POSITION AND DEPTH OF EXISTING UTILITY EQUIPMENT PRIOR TO COMMENCING CONSTRUCTION.

USE CAUTION PRIOR TO EXCAVATION. CHECK TO ENSURE ADDITIONAL DEPTH IS NOT REQUIRED TO ACCOMMODATE GAS AND/OR WATER FACILITIES AND DRAINAGE CHANNELS.

CALL NEVADA POWER UNDERGROUND INSPECTORS 48 HOURS PRIOR TO START OF CONSTRUCTION FOR TRENCH INSPECTION BEFORE COVERING TRENCH.

ALL NPC CABLE TO BE INSTALLED BEHIND CURB, UNLESS OTHERWISE STATED.

APPLICANT IS RESPONSIBLE FOR STAKING OF PROPERTY CORNERS & ELEVATIONS.

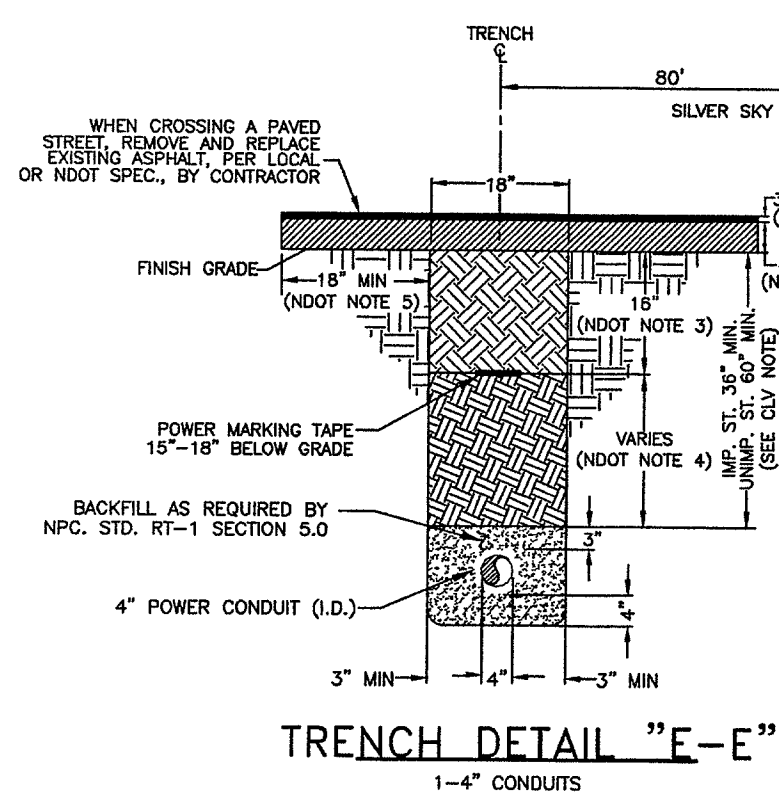
ALL HANDHOLES AND PULLBOXES SHALL BE INSTALLED TO FINISHED GRADE OR 6" ABOVE IF GRADE IS NOT ESTABLISHED. WHEN INSTALLING CONDUIT IN FIELD, USE APPROPRIATE SERVICE TO COMPLETE THE INSTALLATION.

DEFLECTION OF CONDUIT BENDS AND CONDUIT NOT TO EXCEED NPC STANDARDS.

EXISTING CONDUIT INSTALLED BY PREVIOUS CONTRACTOR / DEVELOPER. NPC DOES NOT GUARANTEE LOCATION, LENGTH OR ACCESSIBILITY OF STUB OUT.

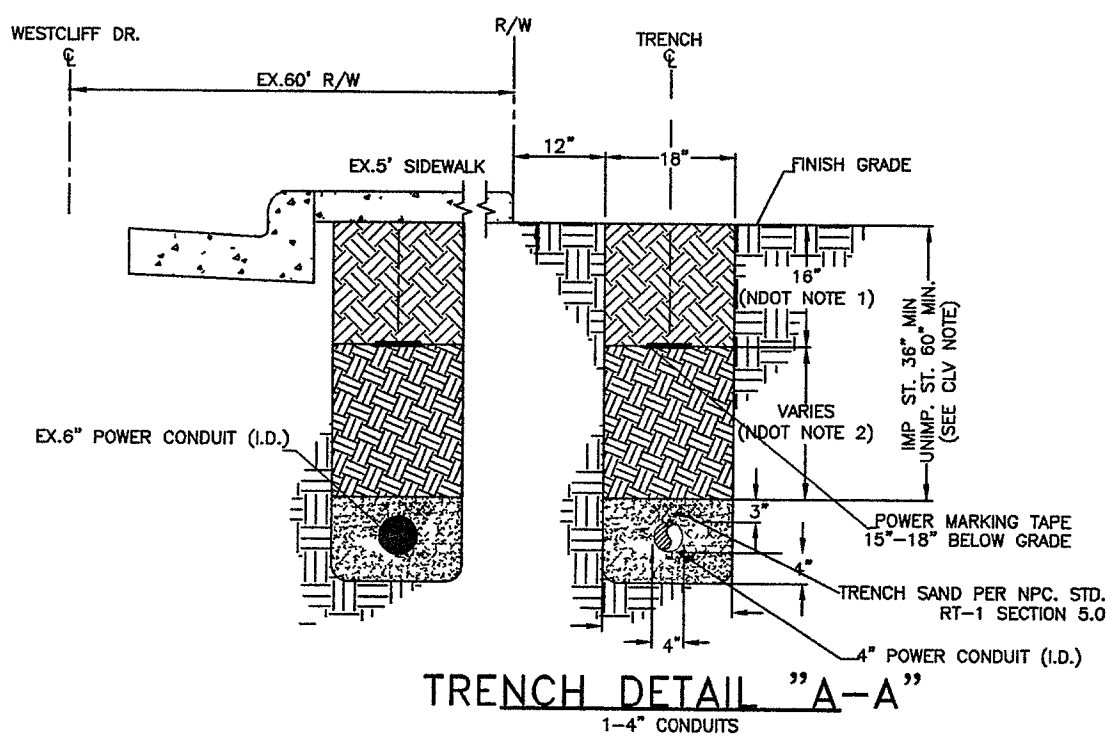
NO COVERED PARKING IN SHADED AREAS.

ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "UNIFORM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION OFF-SITE IMPROVEMENTS, CLARK COUNTY AREA NEVADA", LATEST ISSUE; THE "UNIFORM STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, CLARK COUNTY AREA NEVADA", LATEST ISSUE; AND OTHER APPLICABLE APPROVED STANDARDS ISSUED BY THE CONTROLLING AGENCY; ALL LOCAL CITY CODES AND ORDINANCES APPLICABLE.



TRENCH DETAIL "A-A"

1-4" CONDUITS



NOTES:

1. BASE AGGREGATE (AS PER NDOT SPECIFICATIONS, SECTION 704) A MINIMUM OF 18 INCHES TO BE LAID IN MAXIMUM 8 INCH LOOSE LIFTS. 90% COMPACTION REQUIRED.
2. BACKFILL WITH SELECT MATERIAL TO BOTTOM OF BASE AGGREGATE (AS PER NDOT SPECIFICATIONS, SECTION 207). 90% COMPACTION REQUIRED.
3. EXISTING PERMANENT PAVEMENT WITH CURB & GUTTER AND/OR ADJACENT PERMANENT SIDEWALK.
4. WITHIN AN IMPROVED TRAIL AREA.
5. LIMITS OF CONSTRUCTION INSTALLED CONCURRENT WITH A PRIVATE OR PUBLIC PROJECT.
6. UNIMPROVED AREA (UNIMP. ST.): (LOCATION OF TRENCH)
7. ANY OTHER SCENARIO THAT FAILS TO MEET THE IMPROVED AREA CRITERIA(S) WILL BE CONSIDERED AN UNIMPROVED AREA.
8. NPC REQUIREMENTS:
9. FOR ALL OTHER JURISDICTIONS REFER TO NPC STANDARDS.
10. BACKFILL REQUIREMENTS NPC, STD. RT-1.
11. TRENCH DEPTH REQUIREMENTS NPC, STD. RT-5.

RESIDENTIAL DEVELOPMENT

EXIST. NEW NPC WORK AND SERVICES TO CONSIST OF:

- 1/0 TRIPLEX, 15 KV AL PRIMARY CABLE IN 4" PLASTIC CONDUIT.
- 1/0, 15 KV AL PRIMARY CABLE IN 2" PLASTIC CONDUIT.
- 2" DB120 PLASTIC CONDUIT (INCLUDING SWEEPS OR RISERS FOR HANDHOLES, TRANSFORMERS, PULLBOXES, ETC.).
- 2" SCH.40 PLASTIC CONDUIT BENDS (90°, 45°) WITH 48" MINIMUM RADIUS (IF CONDUIT LENGTH IS UNDER 500').
- 2" FIBERGLASS CONDUIT BENDS (90°, 45°) WITH 36" MINIMUM RADIUS (IF CONDUIT LENGTH IS OVER 500').

500 500 500 MCM TRIPLEX SECONDARY CABLE IN 4" PLASTIC CONDUIT.

350 350 350 MCM TRIPLEX SECONDARY CABLE, CABLE IN CONDUIT.

4/0 4/0 4/0 AWG TRIPLEX SECONDARY CABLE, CABLE IN CONDUIT.

2/0 2/0 2/0 AWG TRIPLEX SECONDARY CABLE, CABLE IN CONDUIT.

CONDUIT LOCATING DEVICE 18" ABOVE STUBOUT.

SINGLE PHASE PRIMARY POLE RISER PER NPC U.G. STD. OEP-105.

THREE PHASE PRIMARY POLE RISER PER NPC U.G. STD. OEP-106.

SECONDARY RISER PER NPC U.G. STD. SSP-2.

SINGLE PHASE RESIDENTIAL PADMOUNTED TRANSFORMER WITH SIZE AS NOTED, 7200-120/240V, PER NPC U.G. STD. UT-113.

SINGLE PHASE COMMERCIAL PADMOUNTED TRANSFORMER WITH SIZE AS NOTED, 7200-120/240V, PER NPC U.G. STD. UT-105.

(2) SINGLE PHASE RESIDENTIAL COMMERCIAL TRANSFORMERS WITH SIZE AS NOTED, 7200-120/240V, CONNECT OPEN WYE-OPEN DELTA FOR THREE PHASE 120-240V SERVICE, PER NPC U.G. STD. UT-115, WHERE APPLICABLE.

TERMINATION OF ALL MODULES, MAKES, SPLICES AND FINAL CONNECTIONS.

NPC TO COIL PRIMARY CABLE IN PULLBOX FOR FUTURE SPLICES, WHERE APPLICABLE.

NPC TO CUT EXISTING CONDUIT AND TERMINATE PRIMARY CABLES ON THE LOAD BREAK MODULE, WHERE APPLICABLE.

100 FEET OUTSIDE RESIDENTIAL DEVELOPMENT MARKER.

DCA TO PAY CONDUIT AND RISER COSTS INSIDE OF MARKER. CUSTOMER RESPONSIBLE FOR COSTS OUTSIDE MARKER.

CUSTOMER RESPONSIBILITY [DCA RESPONSIBILITY

APPLICANT TO FURNISH AND INSTALL:

ALL TRENCHING & BACKFILL, MEETING APPLICABLE NPC STANDARD (RT-7, RT-8, OR RT-12).

4" PLASTIC CONDUIT 100' OUTSIDE RESIDENTIAL DEVELOPMENT, PER NPC U.G. STD. RC-1 AND RC-2.

4" PLASTIC CONDUIT BENDS (90°, 45°) WITH 36" MIN. RADIUS. (IF CONDUIT LENGTH IS UNDER 100')

4" RGS BENDS (90°, 45°) WITH 36" MINIMUM RADIUS, TAPED OR PVC COATED. (IF CONDUIT LENGTH IS OVER 100')

STREET CROSSING INSTALLATION, NPC REQUIRES A 4" CONDUIT PER SECONDARY CABLE, AND A 2" CONDUIT PER 1/0 CABLE.

6" TO (3)2" REDUCERS, PER NPC U.G. STD. RC-1 AND RC-2.

4" TO (1)2" REDUCERS, PER NPC U.G. STD. RC-1 AND RC-2.

COUPLING FOR 2" OR 4" CONDUITS (AS APPLICABLE).

17" X 30" HANDHOLE, PER NPC U.G. STD. RS-1 (WITH 8" COLLAR WHERE APPLICABLE).

2'-6" X 4' X 4' SPLICE PULLBOX PER NPC U.G. STD. RS-80.

3' X 7' X 4' PULLBOX PER NPC U.G. STD. RS-82.

PAD FOR (1) SINGLE PHASE RESIDENTIAL TRANSFORMER, PER NPC U.G. STD. RS-13 AND RS-5.

PAD FOR (2) SINGLE PHASE RESIDENTIAL TRANSFORMERS, PER NPC U.G. STD. RS-14 AND RS-5.

PAD FOR (1) SINGLE PHASE COMMERCIAL TRANSFORMER, PER NPC U.G. STD. RS-19 AND RS-5.

VEHICLE PROTECTIVE BARRIERS PER NPC U.G. STD. RS-6, WHERE APPLICABLE.

CITY OF LAS VEGAS PERMIT REQUIRED*

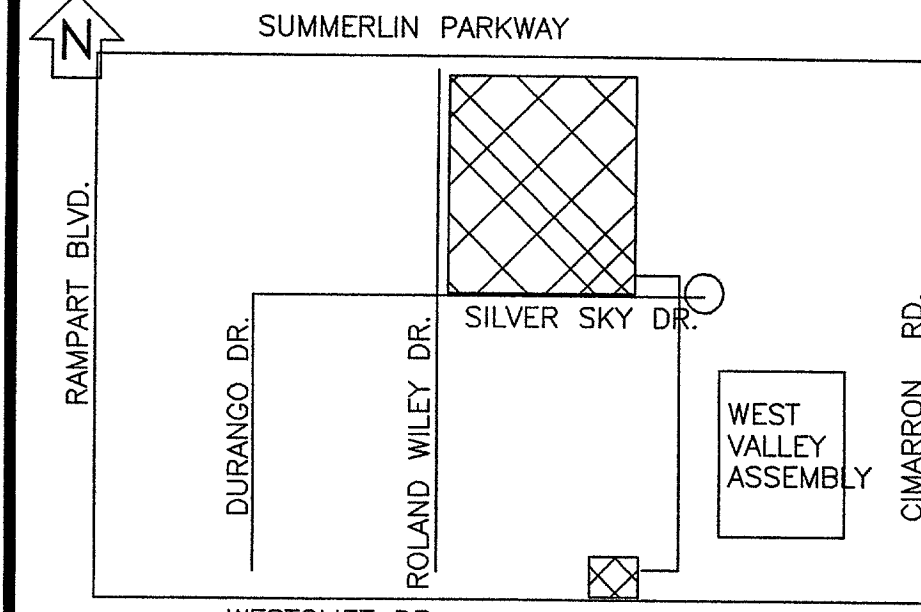
CONTACT CLV LAND DEVELOPMENT (229-6371) CLV CONSTRUCTION SERVICES MUST BE NOTIFIED 24 HOURS PRIOR TO COMMENCING CONSTRUCTION (229-6337)

*NPC INSPECTOR MUST BE NOTIFIED BY FAX 48 HOURS PRIOR TO COMMENCING CONSTRUCTION & WILL VERIFY CITY PERMIT FOR WORK DONE IN STREETS OR SIDEWALK. LAS VEGAS SOUTH (HENDERSON): 558-4740 LAS VEGAS SOUTH (SPRING VALLEY): 252-4828

CIVIL LINETYPE LEGEND

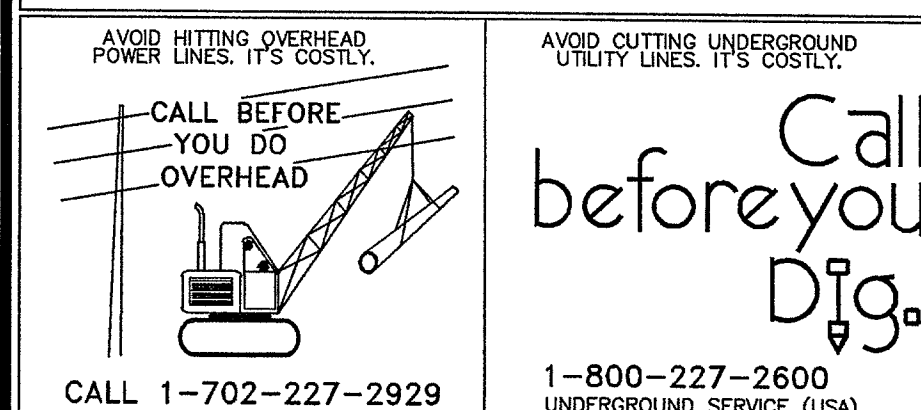
	PROPOSED	EXISTING
CENTERLINE	---	---
PROPERTY LINE/ROW	---	---
CURB	---	---
EDGE OF PAVEMENT	---	---
EDGE OF SIDEWALK	---	---
SEWER LINE	---	---
WATER LINE	---	---
GAS LINE	---	---
TELEPHONE LINE	---	---
CABLE TV LINE	---	---
STORM DRAIN LINE	---	---
FIRE HYDRANT	---	---
STREET LIGHT	---	---
STREET LIGHT SERVICE	---	---

* LINETYPES UTILIZED WHERE CONFLICT OCCURS WITH NPC FACILITIES



VICINITY MAP (NOT TO SCALE)

EVERY EFFORT HAS BEEN MADE TO IDENTIFY ALL NPC FACILITIES. THE CUSTOMER SHALL CONFIRM THE EXISTENCE AND LOCATION OF THESE FACILITIES.



REVISIONS

NO.	DESCRIPTION	DATE	G.A.
1	REVISED PER CLV AND ADDED DETAILS B-C	03/29/2005	DFD

DCA

TYPE OF EASEMENT:	JPA NOTES:
AERIAL STANDARD	SPRINT CONTACT: _____
R/W-31	PHONE NUMBER: _____
UNDERGROUND	DATE OF CONTACT: _____
AS BUILT UNDERGROUND	TO SET NEW POLES
R.O.E./R/W-5-COM	TO STAKE NEW POLES
3rd PARTY	TO PROVIDE _____ POLES
UNDERGROUND BY EXHIBIT	FT. CLASS _____
(N-DOT) PERMIT	FT. CLASS _____
(BLM) PERMIT	TO DIG POLE HOLES
RAILROAD-UPRR-PERMIT	TO REMOVE EX. POLES
NO. NEVADA WATER PERMIT	
NOT REQUIRED	
Misc. Info.	

NPC INFORMATION:

COORDINATOR: DEAN DAMER

PHONE: 657-4335

DESIGNER: JORGE NAJERA

DCA: _____

INSPECTOR: 378-3725

SCHEDULING: 657-4114, 657-4116, 657-4118

DISTRICT: LAS VEGAS

CUSTOMER INFORMATION:

APPLICANT: HAND CONSTRUCTION

ENGINEER: GRG CONSULTING

CONTACT: DREW RAY 739-3345

APPROVAL DATE: _____

GOVERNMENT INFORMATION:

AGENCY: CITY OF LAS VEGAS

APPROVAL DATE: 4-19-05

NEVADA POWER COMPANY

SILVER SKY ASSISTED
SILVER SKY DR.

PROJ. ID: 177632 SCALE: 1" = 50'

SHEET #: 1 OF 2 DATE: 01/10/2005