

PURPOSE OF PROJECT
REPLACE A FAULTY SECONDARY CABLE
AT 8324 EMERALD ISLE AVE

MAINTENANCE PROJECTS REQUIRE THE
USE OF SCHEDULE 40 FOR ALL 2",
3", & 4" CONDUIT. D.B. 60 IS REQUIRED
FOR ALL 6" CONDUIT. IF COILABLE CONDUIT
IS USED, IT MUST BE H.D.P.E. WITHOUT
RE-GROUND MATERIALS.

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 NVE.
THE CONTRACTOR SHALL SECURE COPIES OF THE AFOREMENTIONED
CONSTRUCTION SPECIFICATIONS ON HIS OR HER OWN BEHALF.

REFER TO A CURRENT NV ENERGY ELECTRIC SERVICE
REQUIREMENTS HANDBOOK FOR FURTHER CLARIFICATION
OF NVE 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 NVE 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 NV ENERGY UNDERGROUND INSPECTORS 48 HOURS
PRIOR TO START OF CONSTRUCTION FOR TRENCH INSPECTION
BEFORE COVERING TRENCH.

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

APPLICANT IS RESPONSIBLE FOR STAKING OF PROPERTY CORNERS
& ELEVATIONS.

ALL HANDHOLES AND PULLBOXES SHALL BE NOT ESTABLISHED
FINISHED GRADE OR 6" ABOVE IF GRADE IS NOT ESTABLISHED.

WHEN INSTALLING CONDUIT IN FIELD, USE APPROPRIATE BENDS
TO COMPLETE THE INSTALLATION.

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

EXISTING CONDUIT INSTALLED BY PREVIOUS CONTRACTOR / DEVELOPER.
NVE DOES NOT GUARANTEE LOCATION, LENGTH, OR ACCESSIBILITY OF STUB
OUT. IF UTILIZING ANY PORTION OF EXISTING CONDUIT, IT MUST BE
MANDRELLED PRIOR TO FINAL RELEASE.

PREVIOUSLY MANDRELLED CONDUIT WHICH HAS BEEN IN THE GROUND FOR
OVER 6 MONTHS MUST BE RE-MANDRELLED PRIOR TO FINAL RELEASE.
NO COVERED PARKING IN FRONT OF EQUIPMENT.

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.

NOTE: PRIOR TO THE START OF
TRENCHING CALL ALI MOHAMED
AT 702-912-9409 OR RICK BEAN
AT 702-378-1377 TO ARRANGE
A FIELD MEETING.



T.R.S: 2060-21
APN: 138-21-215-007

RETRENCH

EXIST. NEW NVE 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.
-- INSTALL NEW CABLE IN EXISTING VACANT CONDUIT.

EX. 500 500 500 MCM TRIPLEX SECONDARY CABLE IN 4" PLASTIC CONDUIT
(CONDUIT BY CONTRACTOR).
EX. 350 350 350 MCM TRIPLEX SECONDARY CABLE, CABLE IN CONDUIT.
EX. 4/0 4/0 4/0 AWG TRIPLEX SECONDARY CABLE, CABLE IN CONDUIT.
EX. 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 NVE U.G. STD. OEP-105.
-- THREE PHASE PRIMARY POLE RISER PER NVE U.G. STD. OEP-106.
-- SECONDARY RISER PER NVE U.G. STD. SSP-2.
-- SINGLE PHASE RESIDENTIAL PADMOUNTED TRANSFORMER WITH
SIZE AS NOTED, 7200-120/240V, PER NVE U.G. STD. UT-113.
(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 NVE U.G. STD.
UT-115, WHERE APPLICABLE.

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

NVE TO PROVIDE 6" TO (3/2)" REDUCERS.

NVE TO PROVIDE 4" TO (1/2)" REDUCERS.

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

NVE 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

CONTRACTOR TO FURNISH AND INSTALL:

EXIST. NEW ALL TRENCHING & BACKFILL, MEETING APPLICABLE NVE STANDARD
(RT-7, RT-8, OR RT-12).
-- 3" PLASTIC CONDUIT, PER NVE U.G. STD. RC-1 AND RC-2.
3" PLASTIC CONDUIT BENDS (90°, 45°) WITH 36" MIN. RADIUS.
(IF CONDUIT LENGTH IS UNDER 100')
3" RGS BENDS (90°, 45°) WITH 36" MINIMUM RADIUS, TAPED
OR PVC COATED. (IF CONDUIT LENGTH IS OVER 100')
IF THE CUSTOMER CHOOSES TO INSTALL A STREET CROSSING,
NVE REQUIRES A 4" CONDUIT PER SECONDARY CABLE, AND
A 2" CONDUIT PER 1/0 CABLE.
-- 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').
-- COUPLING FOR 2", 4", OR 6" CONDUITS (AS APPLICABLE).
ALL SERVICE CONDUIT - 2" MINIMUM DB60 PVC GRAY (RISER:
RGS REQUIRED) WITH 5/32" POLYPROPYLENE PULL LINE WITH A
MIN. BREAKING STRENGTH OF 1250 lbs.
17" X 30" HANDHOLE, PER NVE U.G. STD. RS-1 (WITH 8"
COLLAR WHERE APPLICABLE).

2'-6" X 4' X 4' SPLICER PULLBOX PER NVE U.G. STD. RS-80.
3' X 7' X 4' PULLBOX PER NVE U.G. STD. RS-82.
PAD FOR (1) SINGLE PHASE RESIDENTIAL TRANSFORMER, PER
NVE U.G. STD. RS-13 AND RS-5.
PAD FOR (2) SINGLE PHASE RESIDENTIAL TRANSFORMERS, PER
NVE U.G. STD. RS-14 AND RS-5.
PAD FOR (1) SINGLE PHASE COMMERCIAL TRANSFORMER, PER
NVE U.G. STD. RS-19 AND RS-5.
VEHICLE PROTECTIVE BARRIERS PER NVE U.G. STD. RS-6,
WHERE APPLICABLE.

RICE
(TODD 702-375-6005)

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)

HANSEN DATE

*NVE INSPECTOR MUST BE NOTIFIED BY
FAX 48 HOURS PRIOR TO COMMENCING
CONSTRUCTION & WILL VERIFY CITY PERMIT
FOR WORK DONE IN STREETS OR SIDEWALK
EXCAVATIONS

LAS VEGAS NORTH (RYAN CENTER) 402-4354
LAS VEGAS SOUTH (BELTWAY CENTER) 402-6864

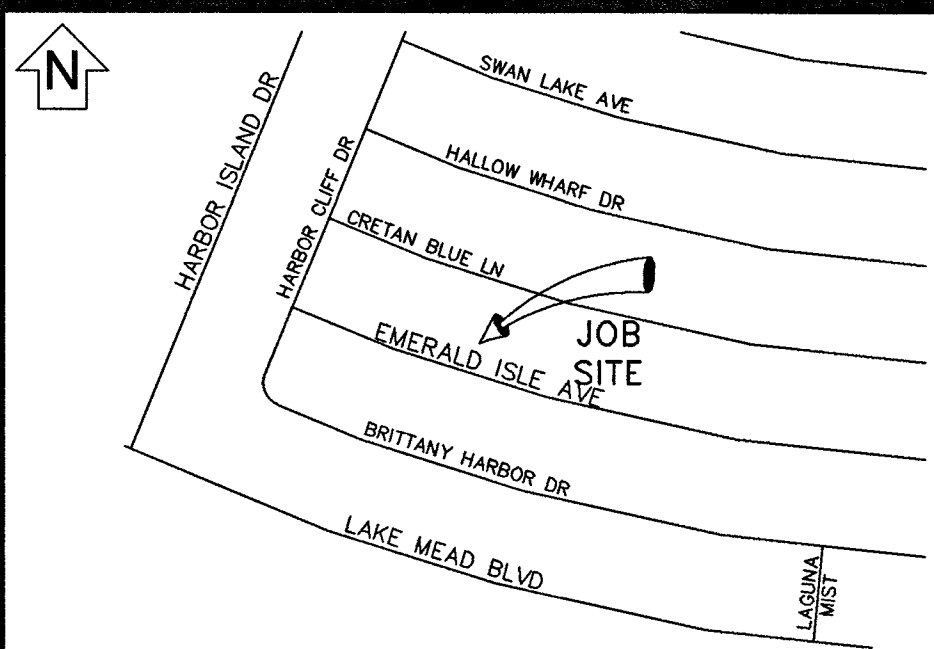
TEMP WIRE RESOLVED
BY STATION(S)
0003

NOTE: ALL THE ABOVE GROUND UTILITY APPURTENANCES SHALL
CONFORM TO THE REQUIREMENTS OF CLV UNIFIED
DEVELOPMENT CODE TITLE 19.06 AND 19.08

APPROVED FOR CONSTRUCTION

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

APPROVAL 19-01219-2001 10/17/2019-PHJ DATE 8/13/19



VICINITY MAP (NOT TO SCALE)

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

AVOID HITTING OVERHEAD
POWER LINES. IT'S COSTLY.
CALL BEFORE
YOU DO
OVERHEAD

Call before you Dig
Avoid cutting underground
utility lines. It's costly.
CALL
811
OR
1-800-227-2600
AND CLARK COUNTY TRAFFIC OPERATIONS
1-702-455-6000

REVISIONS

NO.	DESCRIPTION	DATE	REV BY
1			
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MAINTENANCE

EXHIBIT 'A'

NVEnergy INFORMATION:
COORDINATOR: SCHMITT, DAVID
PHONE: D.F. D.F. D.F.
DESIGNER: KOROUS, JENNIFER
DCA: N/A
INSPECTOR: 702-402-3008 OR UGI@NVENERGY.COM
STAND BY: (702) 402-4450, 4150, 4114, 4117, 4118
DISTRICT: LAS VEGAS NORTH DISTRICT
JPA INFORMATION:
JPA ADMIN PHONE: N/A JPA#: N/A
CUSTOMER INFORMATION:
APPLICANT: NV ENERGY
ENGINEER: N/A
CONTACT: (RICE) MOONE, TODD ** 702-375-6005
APPROVAL DATE: DATE
GOVERNMENT INFORMATION:
AGENCY: I
APPROVAL DATE: DATE
FOR EACH SERVICE POINT (POINT OF DELIVERY), ENERGY FOR
EACH TENANT SPACE WILL BE MEASURED THROUGH ONE
WATTHOUR METER. ENERGY FOR ALL NON-TENANT SPACE WILL
BE MEASURED THROUGH ONE WATTHOUR METER. CONTACT NVE
METER OPERATIONS FOR MULTIPLE RATE CLASS INSTALLATIONS.

NVEnergy.

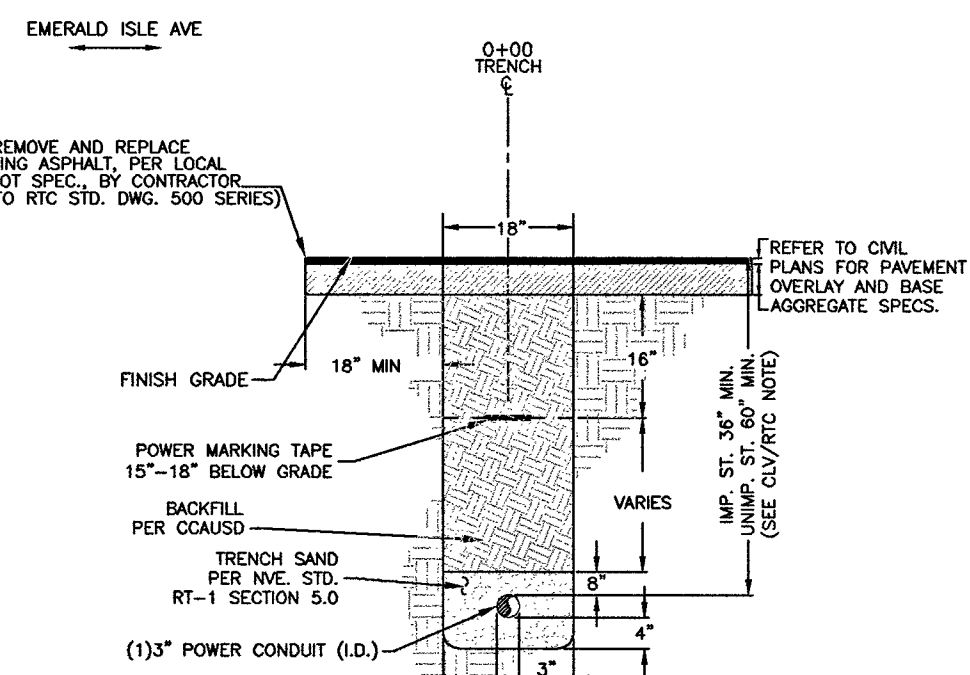
EMRG SEC RETRENCH @8324
EMERALD ISLE AVE
LAKE MEAD BLVD & HARBOR
ISLAND DR

PROJ #3004221972 SCALE: 1"=20'
SHEET # 1 OF 1 DATE: 07/02/2019

CONSTRUCTION/INSPECTION REQUIREMENTS
WORK MUST CONFORM TO NVE ELECTRIC SERVICE STANDARDS, AVAILABLE AT:
www.nvenergy.com/business/newconstruction/newconstruction5/standards.cfm
NVE INSPECTOR MUST BE PRESENT TO INSPECT TRENCHING (SCHEDULE AT LEAST 72
HOURS IN ADVANCE) AT EACH OF THE FOLLOWING STAGES:
1. BOTTOM SAND AND CONDUIT INSTALLED
2. TOP SAND INSTALLED
3. BACKFILL INSTALLED
CONDUIT MUST BE MANDRELLED PRIOR TO RELEASE (COORDINATE WITH INSPECTOR).
NVE STAND BY CREW IS REQUIRED WHEN WORKING AT AN ENERGIZED VAULT OR
TRANSFORMER. CALL STAND BY NUMBER (SEE TITLE BLOCK) TO SCHEDULE.
NVE ELECTRICAL INSTALLATION WILL NOT BE SCHEDULED UNTIL AFTER THE NVE
INSPECTOR HAS COMPLETED THE OFFICIAL RELEASE.
METERS(S) WILL NOT BE SET UNTIL ALL OF THE FOLLOWING ARE COMPLETE:
• (INSTRUMENT-RATED ONLY) METERING EQUIPMENT HAS BEEN SUBMITTED TO NVE
METERING ENGINEER AND APPROVED. (submit@nvenergy.com)
• APPLICATION FOR METER SET HAS BEEN SUBMITTED TO NVE'S NEW DEVELOPMENT
CENTER. FORM AVAILABLE AT:
www.nvenergy.com/forstructure_only/new_development/meter_set.pdf
• THE LOCAL BUILDING AUTHORITY HAS INSPECTED AND APPROVED THE METERING
EQUIPMENT.
• METERING EQUIPMENT IS ACCESSIBLE AND CLEARLY IDENTIFIED WITH PERMANENT
MARKINGS, ADDRESSES, SUITE NUMBERS, AND STREET SIGNS ARE POSTED IN
PERMANENT LOCATIONS (SEE 891-6).
TRACK PROJECT STATUS ONLINE WITH NVE'S DEVELOPER DASHBOARD:
www.nvenergy.com/business/newconstruction/newconstruction5/developerdashboard.cfm

RTC NOTES:
BACKFILL AND RIGHT OF WAY RESTORATION SHALL CONFORM
TO CLARK COUNTY UNIFORM STANDARD DRAWINGS

- 500.1 0 TO 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT
- 500.2 0 TO 5 YEARS PAVEMENT RESTORATION TRANSVERSE CUT
- 500.3 OVER 5 YEARS PAVEMENT RESTORATION LONGITUDINAL CUT, GREATER THAN 60' R.O.W
- 500.4 OVER 5 YRS PAVEMENT RESTORATION LONGITUDINAL CUT, 60' R.O.W OR LESS
- 500.5 OVER 5 YRS PAVEMENT RESTORATION TRANSVERSE ALL R.O.W WIDTHS
- 501 TYPICAL UNDERGROUND UTILITY LOCATIONS IN RESIDENTIAL STREETS 60' OR LESS R.O.W.
- 501.1 TYPICAL UTILITY UNDERGROUND LOCATIONS IN STREETS WITH GREATER THAN 60' R.O.W.
- 503 METHOD B FOR RIGID AND FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS
- 503.1 METHOD A FOR FLEXIBLE PIPE TRENCH BACKFILL - PAVED AREAS
- 503.2 METHOD A FOR RIGID PIPE TRENCH BACKFILL - PAVED AREAS
- BACKFILL IN UNPAVED AREA AS REQUIRED BY LOCAL CODE OR AS APPROVED BY AGENCY.
- 234 SIDEWALK

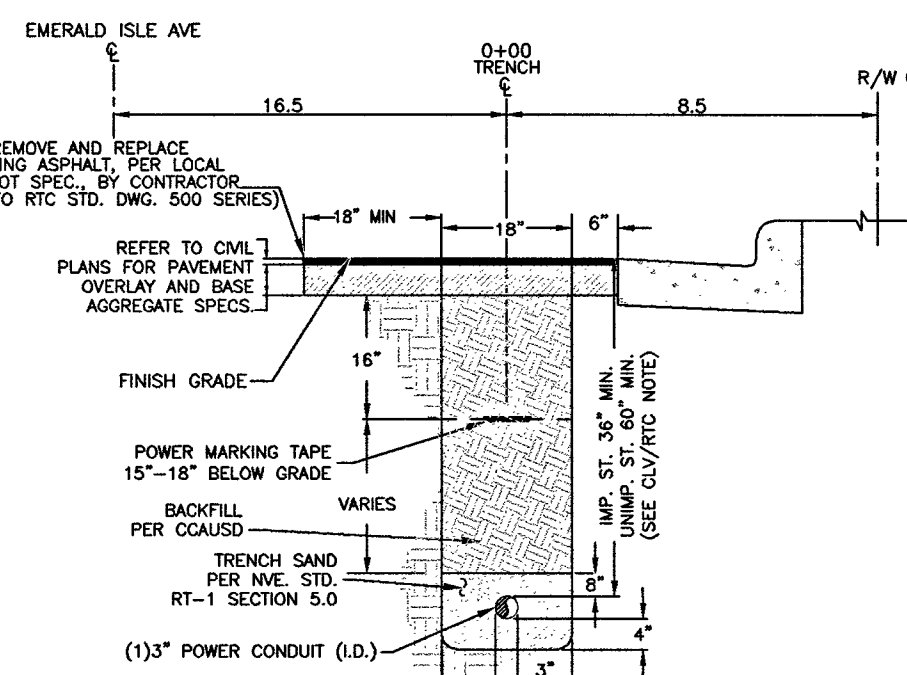


NOTES:
CLV REQUIREMENTS (APPLICABLE WITHIN CITY OF LAS VEGAS LIMITS ONLY):
IMPROVED AREA (IMP. ST.): (LOCATION OF TRENCH)
AREA WILL BE CONSIDERED IMPROVED IF IT MEETS ONE OR MORE OF THE FOLLOWING
CRITERIA(S).
- EXISTING PERMANENT PAVEMENT WITH CURB & GUTTER AND/OR ADJACENT
PERMANENT SIDEWALK.
- WITHIN AN IMPROVED TRAIL AREA.
- LIMITS OF CONSTRUCTION INSTALLED CONCURRENT WITH A PRIVATE OR PUBLIC
PROJECT.
UNIMPROVED AREA (UNIMP. ST.): (LOCATION OF TRENCH)
ANY OTHER SCENARIO THAT FAILS TO MEET THE IMPROVED AREA CRITERIA(S) WILL BE
CONSIDERED AN UNIMPROVED AREA.

NVE REQUIREMENTS:
FOR ALL OTHER JURISDICTIONS REFER TO NVE STANDARDS.
BACKFILL REQUIREMENTS NVE STD. RT-1.
TRENCH DEPTH REQUIREMENTS NVE STD. RT-5.

TRENCH DETAIL

SECTION "A"



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TRENCH DEPTH REQUIREMENTS NVE STD. RT-5.

TRENCH DETAIL

SECTION "B"

!!!! CAUTION !!!!
ENERGIZED CABLES...
CALL BEFORE YOU DIG

STRAW WATTLES TO BE PLACED
DOWNSTREAM OF THE WATER FLOW AT
GUTTER LINE OF EXCAVATION SITE
AND IN A MANNER THAT IS COMPLIANT
WITH CLARK COUNTY CODE.