

Northern Service Territory Transmission Conflict Process

At NV Energy – Northern Service Territory (NST), the Property Services Department manages and maintains NV Energy’s existing and future electric transmission corridors. This includes 60kV, 120 kV, 230kV, 345kV and 500kV electric transmission lines. It is necessary for the Property Services Department to review development plans to insure they are in compliance with specific guidelines, property owners must meet for the continued safe and reliable operation of NV Energy’s electric transmission facilities.

When developers, property owners or governmental entities are constructing improvements within or adjacent to a NV Energy transmission corridor, the following are our procedures to receive and process your plans.

1.0 Plan submittal, Review & Approval

It is necessary to submit project improvement plans for review if the property being developed is immediately adjacent to or contains NV Energy transmission high voltage facilities, easements or rights-of-way.

The customer will need to complete a “Lands ROW Management Application for Plan Submittal Review” and include it with the drawings the customer is submitting. This will be the customer’s “Plan Submittal Package”

When the review process is complete, the customer will receive a written notice from the Property Services Department. The types of notifications are further described in this Standards Document. These written notices must be provided to all government entities when requesting drawing approvals and when permitting to proceed with the customer’s improvement plans.

1.1 Plan Submittal & Review

A “Plan Submittal Package” consists of an Application for Plan Submittal Review along with the customer’s improvement plans. (See Appendix B)

The improvement plans must contain, but are not limited to, the following:

- Grading Plans (must show existing and future grades)
- Utility Plans
- Building Plans Profiles
- Site development plans
- Landscape plans
- Lighting plans
- Sign Details(if applicable)
- Grounding Details (if applicable)

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All sheets on the improvement plans must identify:

- Location of existing NV Energy transmission poles (with pole numbers, if available).
- The location and the width of NV Energy/land rights for the NV Energy easement/land rights for the NV Energy transmission facilities.

Without this information, the plans will be considered incomplete and will not be processed.

Please deliver the “Plan Submittal Package” (including all subsequent revisions) to the NV Energy’s Property Services Department for review, by hand or by mail to:

NV Energy
Attn: Property Services Department
6100 Neil Road M/S S4B20
Reno, Nevada 89511

Submittals will be reviewed by a NV Energy’s Property Services personnel. Property Services will be the customer’s primary contact for information regarding the customer’s project. Property Services will review the “Plan Submittal Package” for completeness and work with Transmission Engineering to determine the extent of the impact upon NV Energy’s transmission easements or rights-of-way (ROW).

Incomplete submittals will not be processed. The customer will be notified if the submittal the customer has provided is incomplete. However, incomplete applications and drawings will not be returned. Written notification of the status of your submittal will be provided throughout the review process

No Conflict Process

In the event there are no transmission corridors/facilities within or adjacent to the proposed development/property, Property Services will issue a No Conflict Letter. No further action is required unless the applicant’s revisions encroach upon NV Energy’s ROW.

1.2.2 Private Development Conflict Process

The Property Services Department will send or e-mail notification confirming the receipt of the completed submittal package and provide contact information. In the event the proposed development encroaches upon NV Energy’s ROW, Property Services will then prepare and send a Transmission Use Agreement Notification and an Acknowledgement of Responsibility to the applicant.

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For existing transmission lines that present encroachment challenges, Property Services will also work with transmission engineering to investigate and manage the resolution of the transmission conflict.

The applicant must sign and return *Acknowledgement of Responsibility*, along with a check for the fees to the Property Services Coordinator. Both the *Acknowledgement of Responsibility* and the fees must be received before the project will be reviewed for compliance with electrical clearance, access, and maintenance requirements.

A reminder will be sent if the fees and, *Acknowledgement of Responsibility*, are not received within 30 days of the original request.

In the event the encroachment is in compliance, NV Energy's Property Services Department will issue a *Transmission Use Agreement*. In the event the encroachment is not in compliance, the plans will need to be revised and resubmitted or the applicant must agree to relocate or modify NV Energy's transmission facilities accordingly (See Section 3).

A private development project that encroaches into NV Energy's ROW is not approved until a *Transmission Use Agreement* has been executed.

NOTE: The processing time for a *Transmission Use Agreement* is currently 4 to 8 weeks. Time starts once the signed *Acknowledgement of Responsibility*, a complete Plan Submittal Package and the applicable fees are received.

1.2.3. Governmental Agency or Utility Conflict Process

The Property Services Department will send or e-mail notification confirming the receipt of the completed submittal package and provide contact information. In the event the proposed development encroaches upon NV Energy's ROW, Property Services will then prepare and send a *Governmental Acknowledgement of Responsibility* to the applicant.

The applicant must sign and return the *Governmental Acknowledgement of Responsibility*. The *Governmental Acknowledgement of Responsibility* must be received before the project will be reviewed for compliance with electrical clearance, access, and maintenance requirements. A reminder will be sent if the *Governmental Acknowledgement of Responsibility* is not received within 30 days of the original request.

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In the event the encroachment is in compliance, NV Energy's Property Services Department will issue two copies of the *Governmental Agency and Utility Notification Letter*. This document incorporates our *Transmission Use Agreement* terms and conditions in a format specific to Government and Utility projects. In the event the encroachment is not in compliance, the plans will need to be revised and resubmitted or the applicant must agree to relocate or modify NV Energy's transmission facilities accordingly.

A Government Agency or Utility project is not approved until a Government Agency and Utility Notification Letter has been issued.

1.3 Construction Violations

The only documents that are considered approvals, thereby authorizing your project to proceed to construction are:

- *No Conflict Letter*
- *Transmission Use Agreement*
- *Government Agency and Utility Authorization.*

If the customer's project goes to construction without any of these approvals, the customer will be subject to a *Stop Work Order*. An additional "Advance Subject to Refund" fee of \$5,000 will be assessed for each incident when our inspectors or staff members are called to the site.

1.4 Possible Delays:

These items that most frequently delay the completion and approval of projects are:

- Incomplete "Plan Submittal Package."
- Applicant does not return *Acknowledgement of Responsibility* and associated fees. (This document is sent to the applicant after transmission has reviewed the Plan submittal Package)
- Drawings devoid of poles, easements, grading and other significant details.
- Improvements found to be not in compliance with electrical clearances, access, and maintenance requirements.
- Applicant does not provide requested revisions or information needed to complete the review process.
- Applicant's plans require relocation or modification of NV Energy's facilities.

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2.0 TRANSMISSION ENGINEERING DEPARTMENT REQUIREMENTS

It is critical that the Transmission Engineering (TE) review all projects that contain NV Energy Transmission facilities. The following information may be used by engineers and planners to utilize and integrate a customer's project within NV Energy's transmission corridors within a given project. This information is provided as a reference. Compliance with these guidelines does not guarantee automatic approval of the project. Our standard drawings are referenced and included with this document.

2.1 Development Within Transmission Corridors

Proposed improvements in or adjacent to NV Energy's transmission corridors require a case-by-case review. All projects require NV Energy approval for conductor clearances. Customers are responsible for complying with all OSHA (Operational Safety and Health Administration) and NESC (National Electrical Safety Code) minimum clearances within and outside NV Energy corridors.

NV Energy transmission corridors can typically be utilized (with the proper NV Energy authorization letter/agreement) for the following secondary uses:

- General Parking of operational vehicles not exceeding 8' in height. Non-operational vehicles and trailers are not allowed.
- Driveways
- Passive recreational parks
- Open space/wildlife corridors
- Bike, walking and hiking trails within existing ROWs; but not within NV Energy fee owned properties
- Free standing signs

This is also to inform customers that it is necessary to obtain prior approval from NV Energy's Property Services Department for future and any changes or revisions to this project.

Certain improvements, for safety and liability reasons, are typically not allowed within transmission corridors. These include, but not limited to, the following:

- Parking or storage of vehicles exceeding 8'
- Covered parking
- Parking lights
- Metallic fences or block walls

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- Excavation, elevation or grade changes
- Parallel Utilities
- Buildings or structures
- Swimming pools
- Pine and palm trees
- Trash enclosures
- Playground equipment
- Stockpiling or materials and equipment

2.2 Conductor Clearances

All projects require NV Energy approval for conductor clearances.

Note: Customers are responsible for complying with all OSHA, NESC and NV Energy Standards and clearances within and outside of NV Energy corridors. Clearance violations and/or encroachments will require redesign.

- Buildings and Structures – Buildings and structures are not allowed in NV Energy corridors. Architectural plans are required to be submitted for review
- When awnings and other projections/overhangs are to be checked for easement encroachments.
- Signs – signs must meet the minimum vertical and horizontal clearances as per the NESC code. All signs must be grounded to the designated highest voltage on the existing transmission line 9s) as outlined in the NESC (See section 2.4 grounding Requirements.)
- Fences – fences must meet the minimum vertical clearances for the lines they are under. Continuous access to NV Energy corridors must be maintained. Metallic fences require adequate grounding. (See sections 2.4 grounding requirements and 2.5.1 Access.)
- Gates – Gates must meet the minimum vertical clearance for the lines they are under. Access to NV Energy corridors must be maintained. The customer may use only approved universal locks and manual releases on electronic gates must be provided. Metallic gates require adequate grounding. (See Sections 2.4 grounding requirements and 2.5.1 Access)
- Streetlights, Parking Lights and Signals – Parking lights must meet the minimum vertical clearances for the lines they are under. It is the customer's responsibility to provide a detail of any street lights, parking lights, and signals that are planned within a transmission corridor (See Sections 2.4 grounding requirements and 2.5.1 Access).

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- Easement widths – the minimum safe clearances for operation and maintenance of transmission lines away vary from the established right-of-way width. Calculations to determine the safety clearances will be completed by NV Energy transmission engineering and provided to the customer for reference.

2.3 Pole Clearances and Barriers

If NV Energy transmission poles are adjacent to a roadway or a driveway, certain conditions must be met to ensure the safety of the public and poles. (Refer to Standard)

- Steel protection barriers – In parking lots and speed restricted streets, bollards may be required to protect the pole from low speed impact. (Refer to standard) Bollards can be installed on steel or wood poles.
- Concrete Barriers – concrete barriers may be required on poles located adjacent to vehicular traffic with speed limits more than 15 mph. They may only be installed on steel poles and not on wood poles. (Refer to Standard)

Quick Facts:

- If the pole is located
 - 5 feet back of curb-- No Barrier is required
 - 3 feet back of curb – NV Energy prefers relocation of the pole. If pole is not relocated, a barrier is required. Sidewalk width must meet current ADA Standards.
 - 0 to 3 feet back of curb – relocation of the pole will be required.
- Crash attenuators may be necessary in certain conditions. A Pole Safety Agreement is required in that case.
- Centerline medians – NV Energy prefers relocation of the pole. However, a concrete barrier may be sufficient in some cases.
- NV Energy engineer all concrete pole barriers
- Barriers may be built by the customer or NV Energy Contractor
- Pole Safety Agreement is required with any concrete pole barriers

2.4 Grounding Requirements

Any metallic object installed inside transmission easements will require adequate grounding per NEC and NESC standards. NV Energy may however require items that fall outside of the existing NV energy easement to be grounded.

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These items must also be approved for vertical clearance. The grounding must be designed for the highest voltage on the concerned transmission line.

Note: It is the customer's responsibility to provide an original copy of the grounding plans for NV Energy approval. The copy must be signed and stamped by an electrical engineer. The detail must spell out the transmission voltage (60kV, 120kV, 230kV, 345kV, or 500kV) for which it is made.

2.5 Access & Grade Changes

2.5.1 Access

- **Maintenance Pads** – NV Energy has established the space required for conducting maintenance surrounding NV Energy poles, as shown on the Maintenance pad exhibits (See Appendix A, STD-D3 & STD-D4). Maintenance pad grades are required to be flat and unobstructed to allow for maintenance truck operation. Maintenance pad must be able to withstand the weight of NV Energy boom trucks (See Appendix A, STD-D5).
- **Right-of-way Access** – Clear unobstructed access is required along the length of NV Energy right-of-way. No gates or other obstructions are typical allowed (See Section 2.6 Gated Communities).
- **Bridges and Culverts**- Proposed Bridges and culverts within the development must be designed to withstand the weight of NV Energy boom truck (See Appendix A, STD-D5) if the bridges and culverts are to be utilized to access existing or future transmission corridors.

2.5.2 Grade Changes

It is strictly prohibited to remove or add grade around the pole without approval from NV Energy. Existing grade must be maintained as much as possible. Grade modifications, either lowering or raising, requires a pole-by-pole review since grade changes almost always affect the integrity of the pole. In many cases, grade changes alone can trigger pole relocations.

2.6 Gated Communities

NV Energy corridors must be open and accessible for maintenance of poles. Corridors or facilities that are inside of gated communities cannot be blocked with walls.

Note: NV Energy must approve any exceptions.

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2.7 Existing transmission Corridors

Never assume that existing NV Energy transmission corridors are being fully utilized. Most are capable of accommodating additional lines and equipment, including underground lines and equipment.

2.8 Parallel Utilities

NV Energy typically does not allow other utilities like sewer, water, gas or irrigation lines to be built parallel to NV Energy lines within the transmission corridor/easement. Every effort should also be made to locate any above-ground installations such as valves and meters out of NV Energy easements.

3.0 RELOCATION/FACILITY SAFETY/POLE SAFETY AGREEMENTS

Any improvements determined to be in conflict with transmission facilities may require relocation or safety modification of the pole(s). A separate process must be followed. Relocation projects are subject to additional costs and require additional time. Due to the dynamic nature of our transmission grid, certain projects may only be completed during off peak electrical seasons and are subject to outage schedules. Design requirements and material availability may also impact these projects.

Note: A Transmission Use Agreement or Governmental Agency and Utility Authorization will still be required when a Relocation Agreement, Facility Safety Agreement or Pole Safety Agreement is executed.

3.1 Relocation Agreement

A Relocation Agreement is required when NV Energy facilities are to be relocated or drastically modified to be in compliance with NV Energy requirements or standards. The applicant/customer will be assigned a NV Energy Project Engineer/Project Manager once the project is identified as a relocation project.

Relocation procedures:

- Applicant submits 30% (or better) improvement plans to NV Energy's Property Services Department
- NV Energy provides preliminary cost estimate
- Applicant sends approval acknowledgement of cost estimate
- NV Energy prepares a design and/or relocation agreement

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- Applicant approves final design and revises the improvement plans to show Transmission Engineering's final design and resubmits drawings to Property Services.
- NV Energy prepares & approves *Relocation Agreement* & Easements
- Applicant executes Relocation Agreement, exhibits, easements, *Transmission Use Agreements(s)* and/or *Government Authorization Letter*, Invoice, & Special Use Permits
- NV Energy prepares & releases final construction turnover package (CTO)
- NV Energy sets construction schedule once all permits, agreements and easements are executed and outages are approved
- NV Energy starts construction

Note: the Project Engineer/Project Manager will not initiate a relocation/safety modification project without a signed agreement and receipt of fees. Government relocation/safety modification projects will not be initiated with out a signed agreement and a check or a purchase order number for the estimated amount of the project.

3.2 Facility Safety Agreement

Facility Safety Agreement is required when facilities that are installed or modified are concrete protection barriers, ground line collars or other facilities that are not associated with pole relocations. It may involve fees and other costs if NV Energy is involved in engineering or construction activities (See section 3.1 for Relocation Procedures and see section 2.3 for Pole clearances and Barriers)

3.3 Pole Safety Agreement

A Pole safety Agreement is a legal document, used at NV Energy's discretion that addresses the issues of liability and responsibility of individuals and/or parties. It is issued when improvement plans ultimately leave structures within or near public thoroughfares and/or when crash attenuators need to be installed. (See Appendix A, STD-D6)

4.0 DOCUMENTS AND LETTERS

The following are the types of written notifications you will receive in conjunction with your submittal and the Conflict Review Process. Each document is identified by name and a brief description is provided to define the purpose and indicate what circumstances you will receive them.

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4.1 *Transmission Corridor Preliminary review Notification*

This letter is issued by the Property Services Coordinator when the customer requests a preliminary identification of our existing facilities and/or ROWs. These are typically requested for feasibility studies or site evaluations. It provides information about the submittal process. This is a stand-alone letter and does not give any type of approval to proceed.

4.2 *Incomplete Application Plan Submittal Notice*

This document is provided by e-mail when an applicant has an incomplete “Plan Submittal Package”. Attached to the e-mail is a checklist that identifies the missing items. The applicant must resubmit a new “Plan Submittal Package” for review. **Note:** All incomplete Plan Submittals will be discarded.

4.3 *Acknowledgement of Responsibility*

This document is provided by Property Services to identify the party responsible for authorizing NV Energy to proceed with the *Transmission Use Agreement* and to insure that they will return a completed agreement prior to construction. It also identifies the fee amount for the project. The customer must sign and return the document with a check for the fee amount. Projects will not be processed further without a signed *Acknowledgement of Responsibility* and fees.

Note: No fee is assessed from Governmental Agencies and Utilities.

4.4 *Transmission Submittal Review Reminder*

Property Services will send a reminder to the customer if the *Acknowledgement of Responsibility* and the applicable fees have not been received within 30 days of the original request.

4.5 *No Conflict Letter*

A *No Conflict Letter* is issued by Property Services as notification that the project has been reviewed and determined that NV Energy’s Transmission and/or facilities are not adjacent to submitted project.

4.6 *Transmission Use Agreement*

A *Transmission Use Agreement* is issued by Property Services to the customer after the satisfactory review of the customer plans. It defines the legal requirements of the development within NV Energy corridors and/or around or

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near Transmission facilities. It is project specific and contains the results of analysis of specific project requirements. Any changes or revisions to a project after the issuance of a Transmission Use Agreement will be considered a new project. A private development project is not approved until a *Transmission Use Agreement* has been executed.

4.7 Government Agency and Utility Authorization

These are issued only to Government Agencies and Utilities in place of a *Transmission Use Agreement*. Governmental/Utility projects still require the same review process as other projects. Any changes or revisions to a project after the issuance of a *Government Agency and Utility Authorization* will be considered a new project. A Government Agency or Utility project is not approved until a Government Agency and Utility Authorization has been executed.

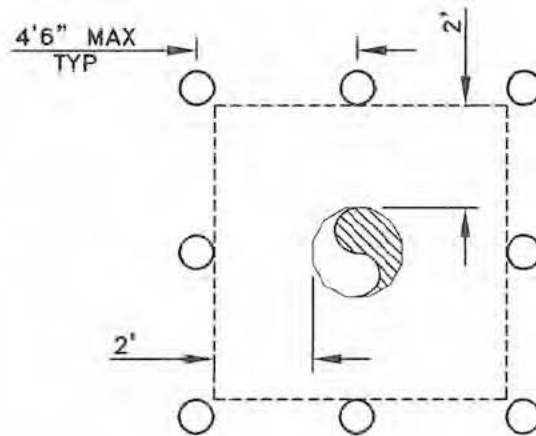
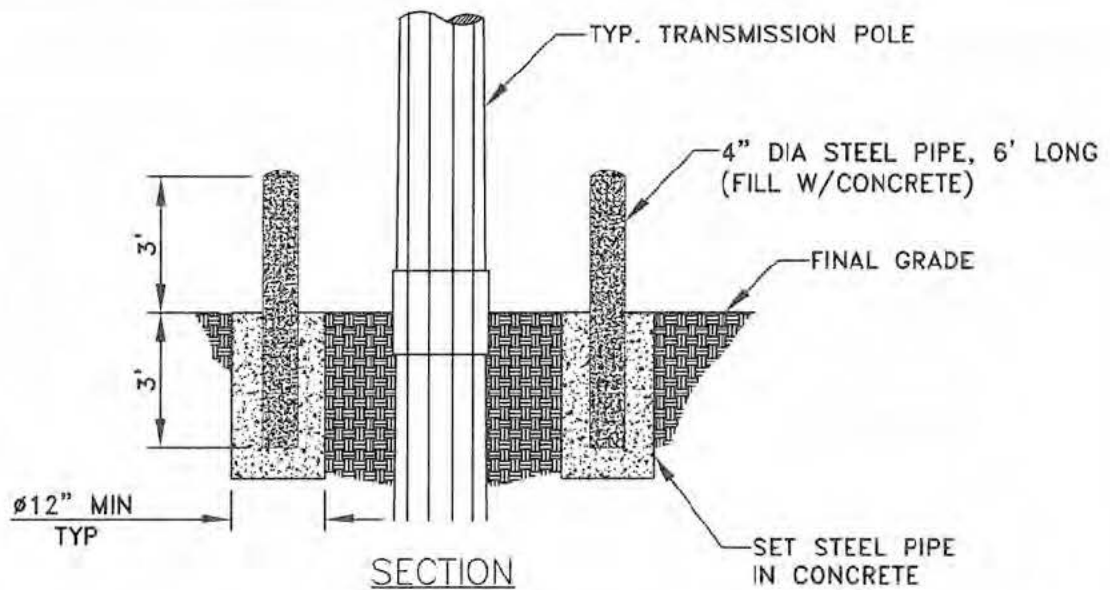
4.8 Construction Authorization

Construction authorization may be issued at the discretion of the Transmission Engineering Department (TED) to release specific portions of a project for construction before a *Transmission Use Agreement* is issued. This is not an approval of the project. The appropriate agreement or authorization must be completed before a project is approved.

4.9 Submittal Cancellation Notification

If a customer notifies Property Services that a project has been canceled, a *Submittal Cancellation Notification* will be sent.

Northern Service Territory
Transmission Conflict Process
Appendix A
STD-D1 – D6



NOTES:

1. STEEL PROTECTION BARRIERS TO BE INSTALLED WHEN TRANSMISSION POLES ARE LOCATED LESS THAN 5' FROM BACK OF CURB OR WHEN NO CURB EXISTS IN PARKING LOTS OR SPEED RESTRICTED STREETS WITH 15MPH MAX SPEED LIMIT.
2. IF MAX SPEED LIMIT IS HIGHER, REFER STD-D6 FOR CONCRETE PROTECTION BARRIERS.
3. BARRIERS ON SIDES NOT ACCESSIBLE TO VEHICLES MAY BE OMITTED.
4. PROVIDE ADEQUATE CLEARANCE FOR EQUIPMENT ITEMS SUCH AS SWITCH OPERATING HANDLES.
5. BARRIERS TO BE PAINTED WITH YELLOW STREET MARKING PAINT.
6. CALL BEFORE YOU DIG AT (800) 227 2600 PRIOR TO THE COMMENCEMENT OF EXCAVATING ACTIVITIES.

NOT TO SCALE

DRAWING INFO.		
DRAWN	04/01/03	JLH
DESIGNED	04/01/03	JLH
CHECKED	04/01/03	SA
APPROVED	04/01/03	SA
	DATE	BY
REV. 1	11/12/08	DP



VEHICULAR PROTECTION BARRIERS FOR TRANSMISSION POLES

SHEET: 1 OF 1

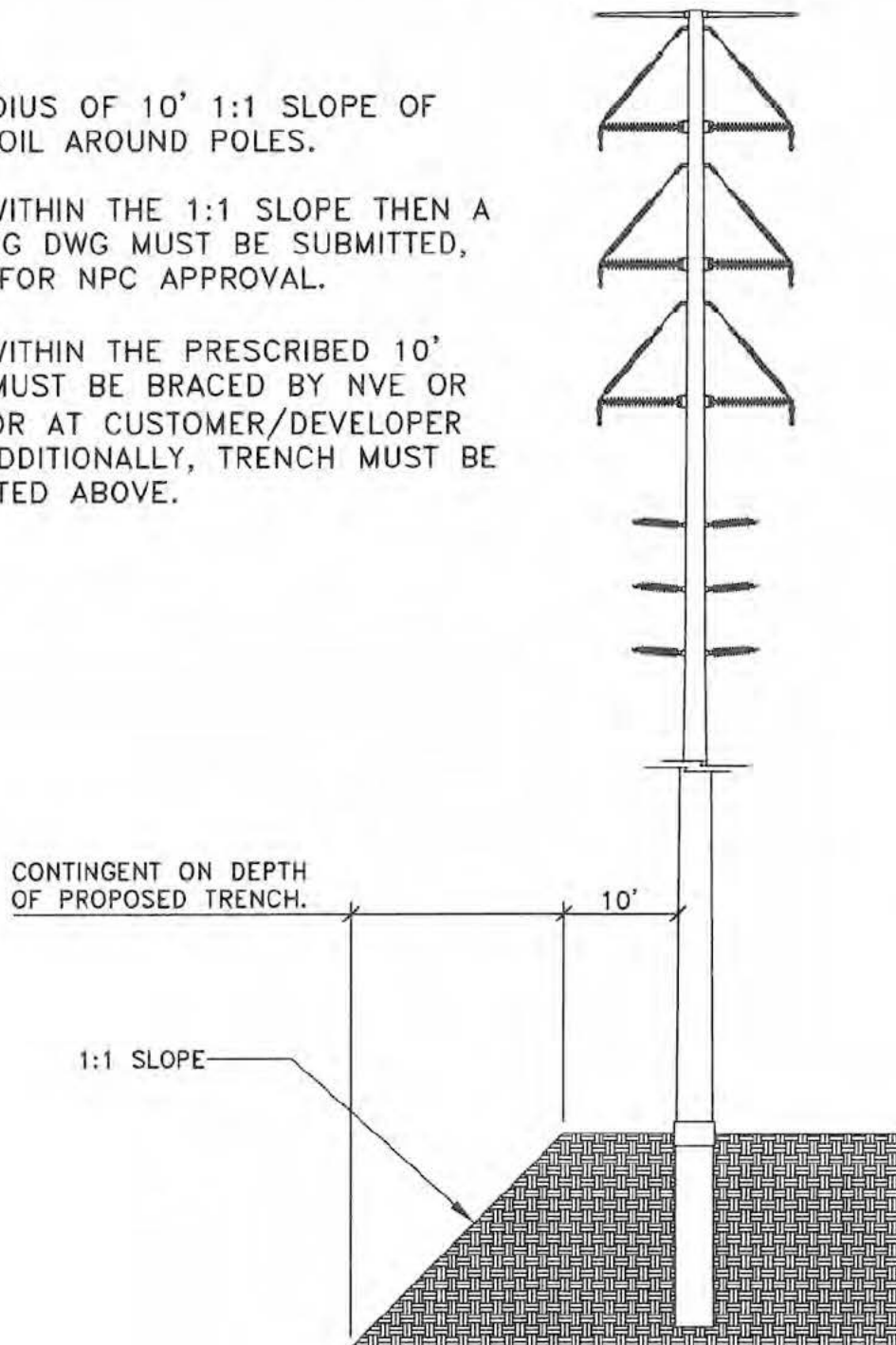
DWG. NO.: STD-D1

REQUIREMENTS:

MAINTAIN A RADIUS OF 10' 1:1 SLOPE OF UNDISTURBED SOIL AROUND POLES.

IF TRENCH IS WITHIN THE 1:1 SLOPE THEN A TRENCH SHORING DWG MUST BE SUBMITTED, P.E. STAMPED, FOR NPC APPROVAL.

IF TRENCH IS WITHIN THE PRESCRIBED 10' RADIUS, POLE MUST BE BRACED BY NVE OR NVE CONTRACTOR AT CUSTOMER/DEVELOPER SOLE COST. ADDITIONALLY, TRENCH MUST BE SHORED AS NOTED ABOVE.



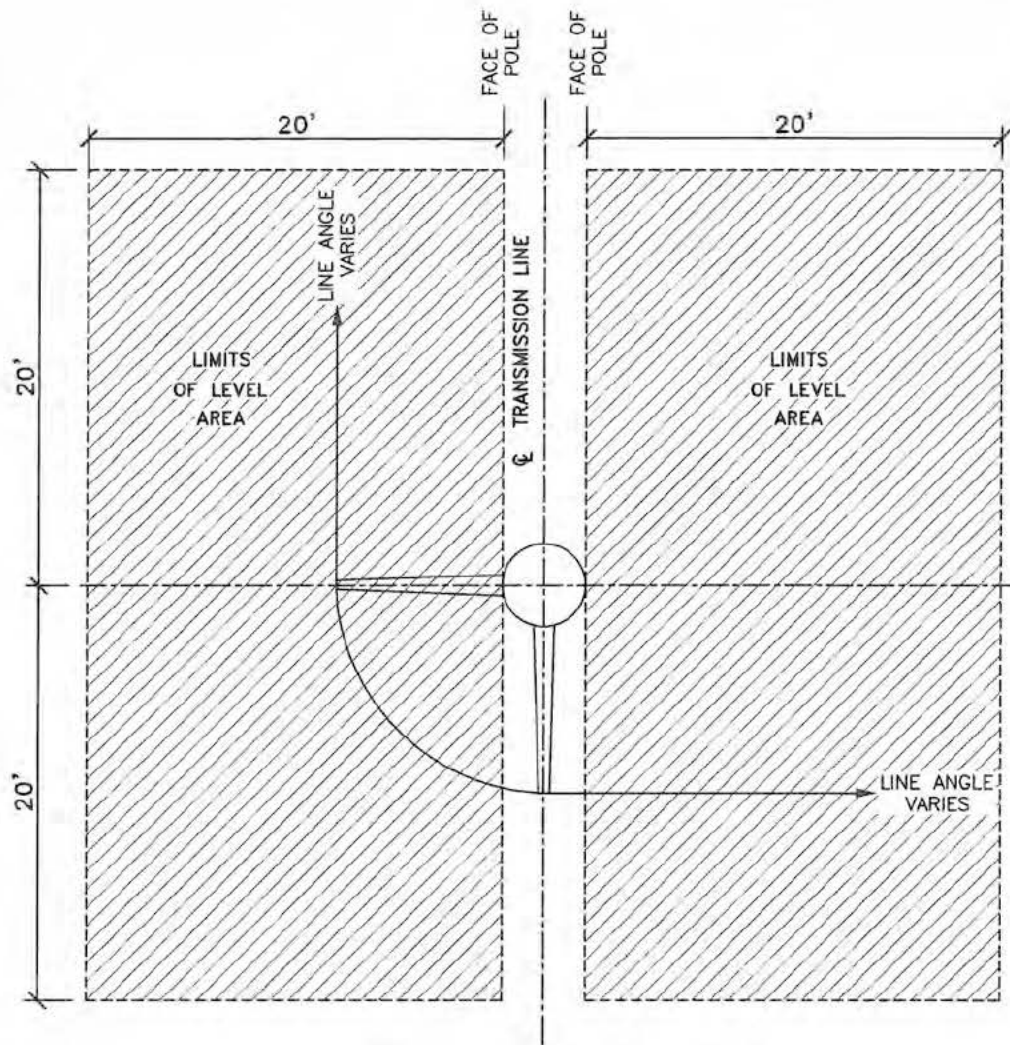
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APPROVED	6/12/01	SA
	DATE	BY
REV. 1	11/12/08	DP



TRENCH DETAIL
POLE STABILITY

SHEET: 1 OF 1

DWG. NO.: STD-D2



TRANSMISSION POLE MAINTENANCE AREA

1. COMPLIANCE WITH ALL NESC & OSHA REQUIREMENTS.
2. MATERIALS AND EQUIPMENT CAN NOT BE STOCKPILED UNDER LINES.
3. POLE BOLLARDS ARE REQUIRED AND SHALL BE INSTALLED BY THE OWNER IF PARKING IS WITHIN 10' OF ANY TRANSMISSION STRUCTURE.
4. A 40'x40' LEVEL AND UNOBSTRUCTED AREA, ORIENTED ON CENTER OF POLE, MUST BE MAINTAINED ON ALL DEADEND STRUCTURES TO ALLOW ACCESS FOR MAINTENANCE PURPOSES. (SEE DETAIL ABOVE FOR CLARIFICATION)

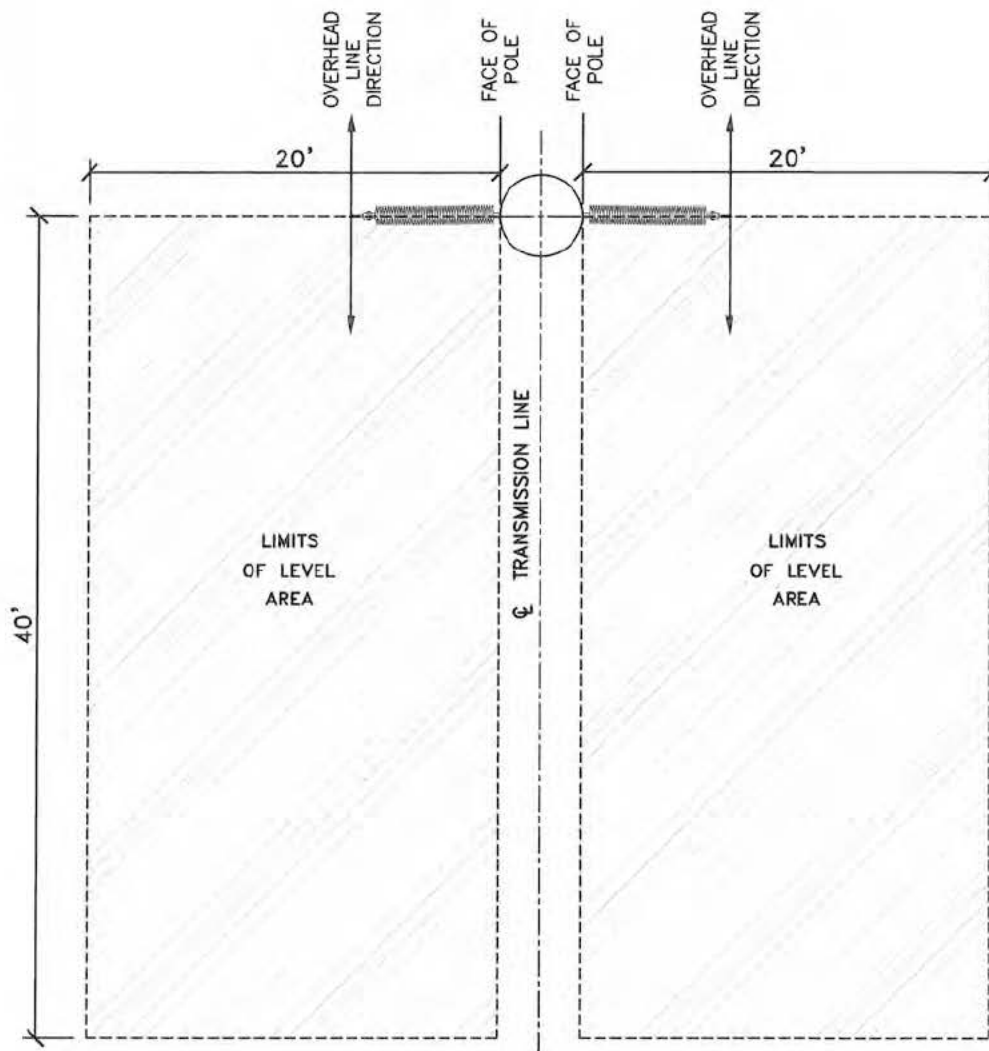
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DESIGNED	01/24/01	MDV
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APPROVED	04/07/01	SA
	DATE	BY
REV. 2	08/08/10	AC



NV ENERGY CRITERIA FOR MAINTENANCE ACCESS DEADEND STRUCTURE

SHEET: 1 OF 1

DWG. NO.: STD-D3



TRANSMISSION POLE MAINTENANCE AREA

1. COMPLIANCE WITH ALL NESC & OSHA REQUIREMENTS.
2. MATERIALS AND EQUIPMENT CAN NOT BE STOCKPILED UNDER LINES.
3. POLE BOLLARDS ARE REQUIRED AND SHALL BE INSTALLED BY THE OWNER IF PARKING IS WITHIN 10' OF ANY TRANSMISSION STRUCTURE.
4. A 40'x40' LEVEL AND UNOBSTRUCTED AREA, ORIENTED WITH TRANSMISSION CENTER LINE, MUST BE MAINTAINED ON ALL TANGENT STRUCTURES TO ALLOW ACCESS FOR MAINTENANCE PURPOSES. (SEE DETAIL ABOVE FOR CLARIFICATION)

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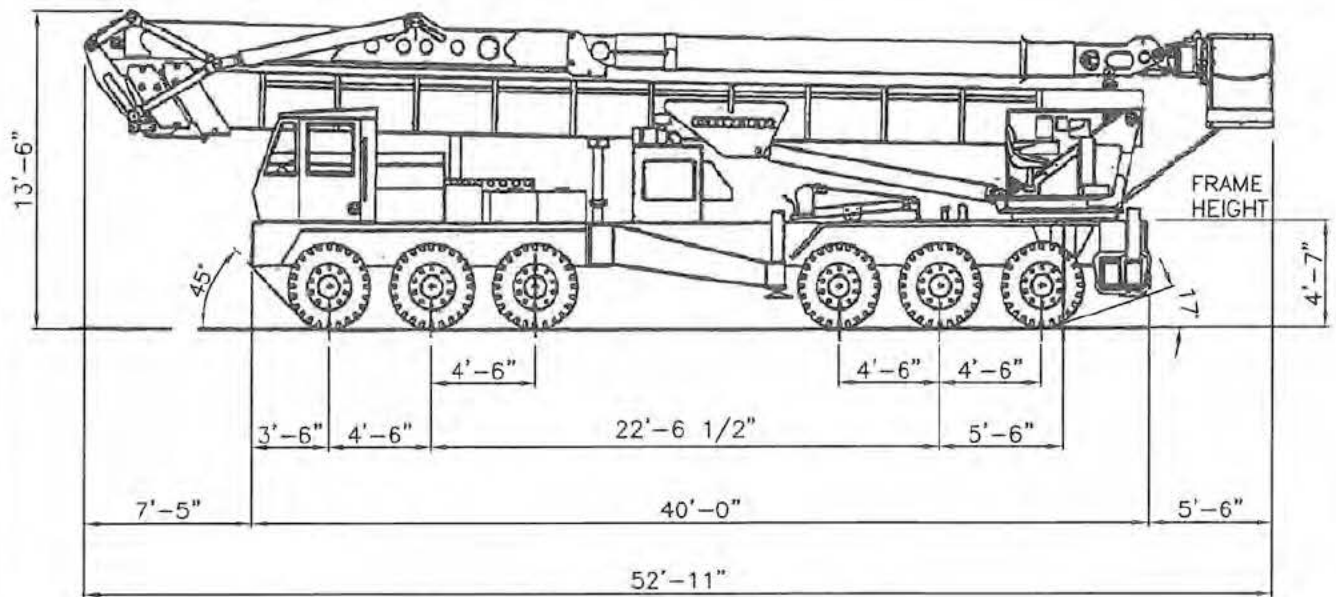
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DESIGNED	01/24/01	MDV
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APPROVED	04/07/03	SA
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NV ENERGY CRITERIA FOR MAINTENANCE ACCESS TANGENT STRUCTURE

SHEET: 1 OF 1

DWG. NO.: STD-D4



FEATURES/OPTIONS

1. 1500 LBS UNRESTRICTED CAPACITY
2. INTERCHANGEABLE STEEL PLATFORM
3. 180° PLATFORM ROTATION
4. FRONT SWING OUT OUTRIGGERS
5. REAR DOUBLE TELESCOPING OUTRIGGERS
6. 24" OUTRIGGER PENETRATION
7. 360° CONTINUOUS ROTATION
8. ALUMINUM WHEELS
9. ALUMINUM FENDERS
10. 36" X 36" OUTRIGGER FLOATS
11. 500kV ELECTRICALLY CERTIFIED
12. DECK MOUNTED ENGINE OPTION SHOWN

ESTIMATED WEIGHTS:

FRONT - 45000 LBS
 REAR - 50000 LBS
 TOTAL - 95000 LBS

PENETRATION SPECS:

VERTICAL PENETRATION 2 FEET PER OUTRIGGER
 SIDEWAY 24 FEET OUTRIGGER SPAN ON 2:24 MAX. SLOPE
 FRONT TO BACK 28 FEET OUTRIGGER SPAN ON 2:28 MAX. SLOPE

OTHER SPECS:

WIDTH = 8'-6"
 GRADABILITY=25%
 MIN. TURNING RADIUS (CURB TO CURB) = 82'-4"
 APPROACH ANGLE = 45°
 DEPARTURE ANGLE = 17°

DRAWING INFO.

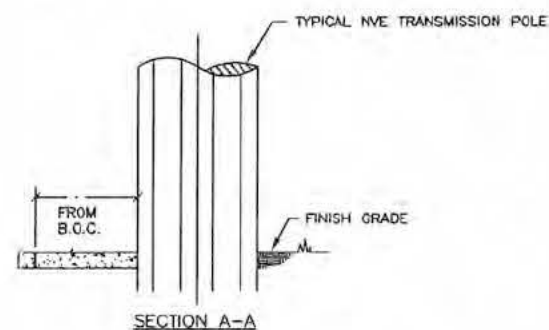
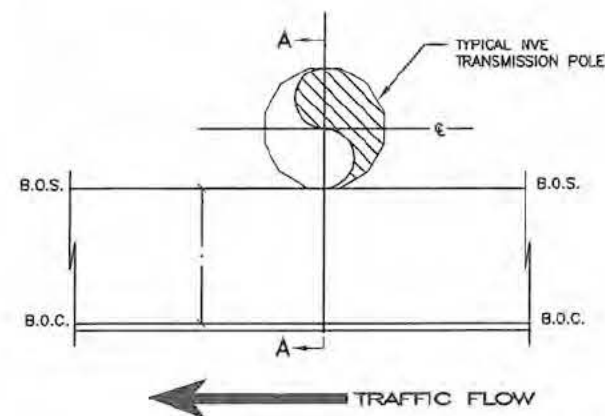
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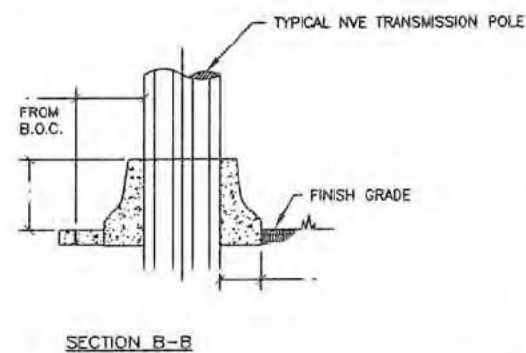
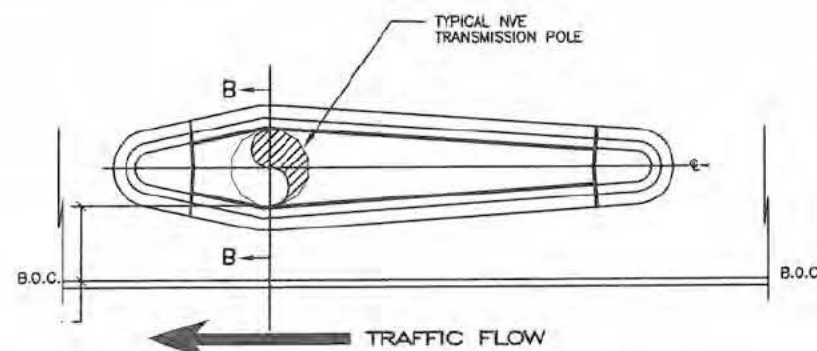
CONDOR MODEL 180-1
 INSULATED BOOM TRUCK
 12 X 8 TORQUE BOX CHASSIS

SHEET: 1 OF 1

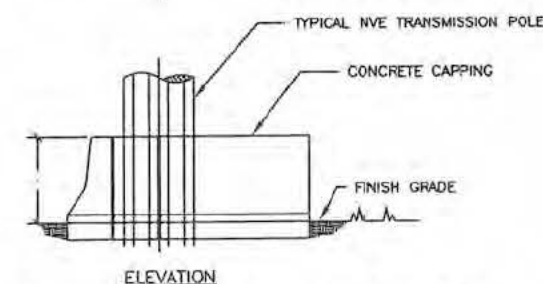
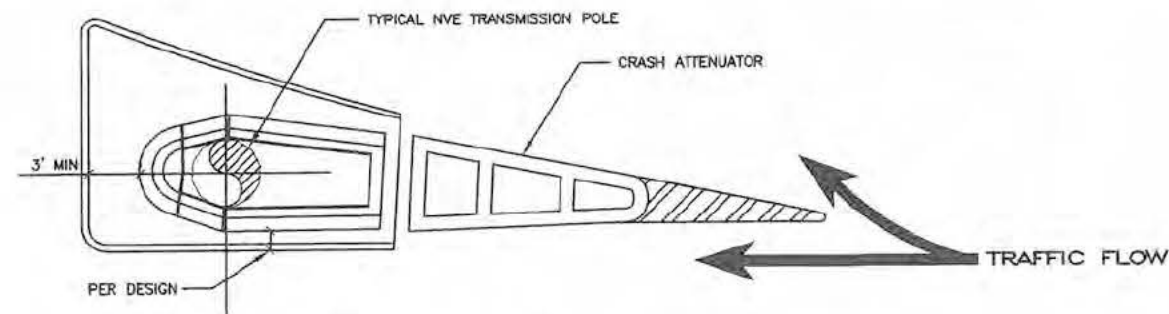
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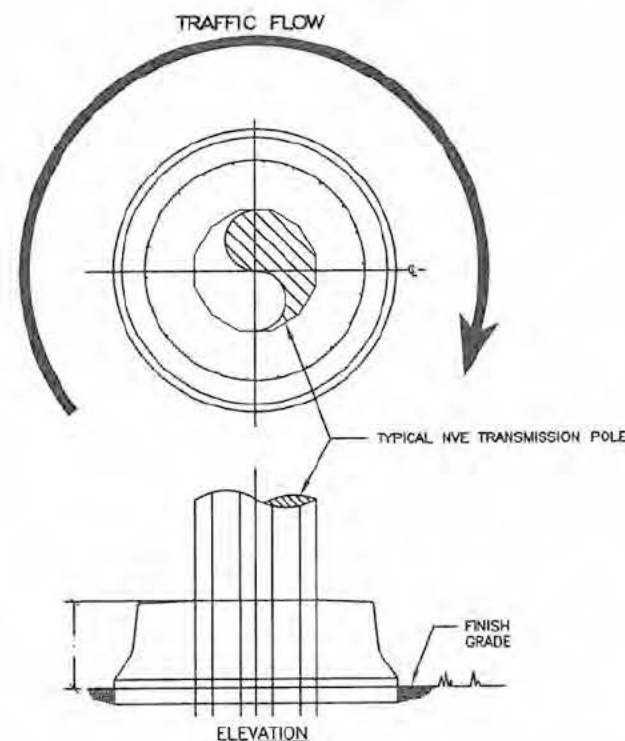
DETAIL "A"
5' FROM B.O.C.



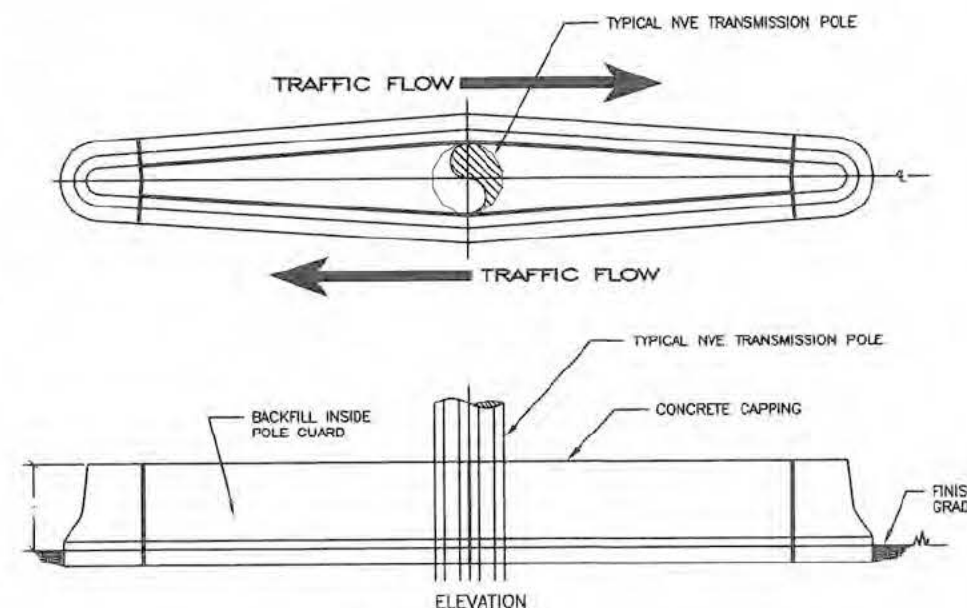
DETAIL "B"
3' FROM B.O.C.



DETAIL "C"
IN PORK CHOP ISLAND



DETAIL "D"
FOR 25MPH ROUNDABOUT



DETAIL "E"
IN CENTER MEDIAN

GUIDELINES:

- DETAIL "A"** THE FACE OF AN UNPROTECTED STEEL POLE MUST BE AT LEAST 5' FROM BACK OF CURB. IF THIS CANNOT BE MAINTAINED, REFER TO DETAIL "B".
- DETAIL "B"** CONCRETE BARRIER TO BE INSTALLED IF THE AVAILABLE CLEARANCE IS LESS THAN 5' FROM BACK OF CURB TO THE FACE OF THE POLE. SIDEWALK MAY BE ROUTED AROUND BACK SIDE OF POLE. IF SIDEWALK IS TO BE INSTALLED ON THE STREET SIDE ALONG WITH THE POLE BARRIER, CUSTOMER IS RESPONSIBLE TO MEET RTC AND/OR ADA REQUIREMENTS ON MINIMUM SIDEWALK WIDTH. IF A MINIMUM CLEARANCE OF 3' IS NOT AVAILABLE FROM BACK OF CURB TO THE FACE OF THE POLE, THE POLE WILL REQUIRE RELOCATION.
- DETAIL "C"** PORK CHOP ISLAND CONFIGURATION IS CONTINGENT UPON POLE BARRIER AND CRASH ATTENUATOR DESIGN.
- DETAIL "D"** CONCRETE BARRIER FOR A ROUNDABOUT: ALLOWED ONLY FOR A 25MPH MAX SPEED ZONE.
- DETAIL "E"** CONCRETE BARRIER FOR ROAD CENTER MEDIAN TO BE INSTALLED WHEN: FACE OF POLE TO BACK OF CURB IS LESS THAN 5', OR NO CENTER MEDIAN EXISTS. CRASH ATTENUATOR MAY BE NECESSARY. REFER TO DETAIL 'C'

GENERAL NOTES:

1. CONCRETE POLE BARRIERS CANNOT BE INSTALLED ON WOOD POLES.
2. ALL CONCRETE BARRIERS ARE INDIVIDUALLY ENGINEERED FOR THE GIVEN STEEL POLE BY NVE. APPLICABLE BARRIER DESIGN WILL BE PROVIDED.
3. NVE FACILITY SAFETY AGREEMENT IS REQUIRED IF BARRIER IS BUILT.
4. BARRIER CAN BE INSTALLED BY NVE AT CUSTOMER COST OR CUSTOMER CAN INSTALL AS PER NVE DESIGN.
5. POLE BARRIER INSTALLATION WILL BE INSPECTED BY NVE AT EACH STAGE OF INSTALLATION IF WORK IS NOT PERFORMED BY NVE.
6. CRASH ATTENUATORS, WHEN NECESSARY, WILL BE INSTALLED, OWNED AND MAINTAINED BY OTHERS. NVE POLE SAFETY AGREEMENT IS REQUIRED.
7. IF MAX SPEED LIMIT IS 15MPH OR LESS, REFER TO STD-D1 FOR STEEL BARRIERS.

DRAWING NOT TO SCALE

DRAWING INFO.		
DRAWN	06/20/08	DP
DESIGNED	06/20/08	SA
CHECKED	06/20/08	DMc
APPROVED	06/20/08	MF
DATE	BY	
REV. 2	11/12/08	DP



**CONCRETE BARRIERS
FOR STEEL
TRANSMISSION POLES**

SHEET: 1 OF 1 DWG. NO.: STD-D6

Northern Service Territory
Transmission Conflict Process
Appendix B
Application for Plan Submittal Review



Project Number: _____
(ROW Management use only)

**LANDS ROW MANAGEMENT
APPLICATION FOR PLAN SUBMITTAL REVIEW
(TECHNICAL INFORMATION)**

This is the application for those parcels immediately adjacent to or containing NV Energy transmission high voltage facilities and corridors. Applicants shall submit this completed application and improvement plans (including all subsequent revisions) to the NV Energy Land Services, Attn: ROW Management Department, for review either by hand at our front desk in the lobby or by mail to 6100 Neil Road, Reno, NV 89511. Provide accurate and complete information as requested. A separate application should be prepared for each phase or unit of a project. **DO NOT LEAVE ANY ITEM BLANK.** Inaccurate or incomplete submittals will not be accepted and will cause delays in the review process.
NOTE: INCOMPLETE APPLICATIONS AND DRAWINGS WILL NOT BE RETURNED.

Attention:

NV Energy Land Services
Attn: ROW Management Department
6100 Neil Road, Reno NV 89511

Date: _____

PROJECT TITLE: _____

PROJECT INFORMATION:

Assessor Parcel Numbers (APN #s): _____

Type of Development: _____

Specify Proposed Improvements: _____

Requested by:

(Please check the one that applies)

Owner/Developer: ☐ Governmental/Utility: ☐ Consultant: ☐ Engineering Firm: ☐

Landscaping Firm: ☐ Pool Contractor: ☐ Sign Company: ☐ Other: ☐

Type of Request:

(Please check the one that applies)

☐ Preliminary facility red line request only
(If checked, please skip to customer information)

☐ Improvement Plan Submittal
(USE Agreement Request)

☐ Revision(s)/Improvement Plan—Provide Project Number: _____
(If checked please provide NPC's Assigned Project Number/Improvement plans that were previously or are currently being reviewed)

☐ Other: _____

PLAN REQUIREMENTS:

All plans must illustrate NV Energy Easements, Pole Locations, Pole Numbers and Grading on the noted drawings listed below. Plan submittals without this information are incomplete and will not be accepted.

(Please indicate if your Plan Submittal Package includes the following):

☐ Electronic Files (disc or CD) ☐ Utility plans ☐ Profile and elevation plans ☐ Traffic/lighting plans
☐ Building plans ☐ Sign plans ☐ Landscaping plans ☐ Other (explain)

OBTAIN PRIOR APPROVAL:

All submittals are subject to technical review by NV Energy Transmission Engineering. Projects may be denied due to safety and liability issues. Approvals are contingent upon compliance with NESC and OSHA requirements as well as NV Energy's ability to access and maintain our facilities. Construction cannot begin without prior written approval or executed Transmission Use Agreement. In order to ensure the safety of the public, and to aid in the preparation of your designs, please refer to NV Energy's Transmission, Design, and Construction Standards



Project Number: _____
(ROW Management use only)

**LANDS ROW MANAGEMENT
APPLICATION FOR PLAN SUBMITTAL REVIEW
(DEVELOPER/PROPERTY OWNER INFORMATION)**

This is the application for those parcels immediately adjacent to or containing NV Energy transmission high voltage facilities and corridors. Applicants shall submit this completed application along with the Technical Information Application. Do not leave any item blank. If additional space is needed, please provide information on a separate sheet. **TYPE OR PRINT LEGIBLY.**

Applicant or Engineering Firm Information:

The applicant will be considered the primary contact for the project. Correspondence will be sent only to the applicant (unless otherwise requested). If other engineering or design firms are involved in other aspects of the design please provide the same information on a separate sheet (attach separate information with this submittal).

Developer/Owner: _____
Company Name

Address City/State Zip

Contact Person: _____
Name and Title

Phone# Fax #

Email Address: _____

Developer/Owner Information:

The information is needed to prepare the Transmission Use Agreement.

Developer/Owner: _____
Company Name

Address City/State Zip

Contact Person: _____
Name and Title

Phone# Fax #

Email Address: _____

Developer/Owner Signature Acknowledgment:

This information is the acknowledgment of this form and information that will be used to prepare the Transmission Use Agreement.

Owner: _____
(Signature) (Date)

(Print Name) (Title)