

ADDRESS: 1159 STILSON AVE SE, NORTH BEND, WA 98045
 PROJECT NAME: SVSD - PR5458090 - PLANS



SITE LOCATION

CONTACTS

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SHEET INDEX

1. COVER SHEET / SITE LOCATION
2. LEGEND
3. GENERAL NOTES
4. DESIGN VIEWS A
5. AERIAL TYPICALS

SCOPE OF WORK:

1. TRANSFER SVSD FROM OLD POLE TO NEWLY SET POLE IN (1) LOCATION.



Know what's below.
 Call before you dig.



0 500' 1000'
 SCALE: 1"=1000'

3				AS-BUILT
2				REVISION # 1
1	2/16/23	JS	PAW	ORIGINAL
NO.	DATE	ENGINEER	DRAFTER	COMMENT



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 ENGINEERING FIRM: MGC TECHNICAL CONSULTING INC.
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 PERMIT NUMBER:
 DRAWING NAME: SNOQUALMIE VALLEY SCHOOL DISTRICT - PR5458090 - PLANS.dwg
 CONFIDENTIAL/PROPRIETARY SHEET: 1 OF 5

LEGEND

LINETYPES

	AERIAL FIBER - EXISTING
	AERIAL FIBER - ATTACH
	AERIAL FIBER - OVERLASH
	STRAND - EXISTING
	STRAND - PROPOSED
	CONDUIT - EXISTING
	CONDUIT - PROPOSED
	INNERDUCT - EXISTING
	INNERDUCT - PROPOSED
	GAS
	WATER
	TELEPHONE
	FIBER OPTIC
	ELECTRIC
	SANITARY SEWER (SEW)
	STORM DRAIN
	CABLE TV
	STEAM
	OIL
	UNKNOWN UTILITY
	FENCE
	RIGHT OF WAY
	EDGE OF PAVEMENT

ABBREVIATIONS

ASW	ASPHALT SIDEWALK
BIP	BLACK IRON PIPE
BSP	BLACK STEEL PIPE
CSW	CONCRETE SIDEWALK
ELECT.	ELECTRIC
EOP	EDGE OF PAVEMENT
EOTW	EDGE OF TRAVEL WAY
FOC	FACE OF CURB
F/O	FIBER OPTIC
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
JB	JUNCTION BOX
MH	MANHOLE
MP	MILE POST
O/S	OFFSET
PR	POWER RISER
PVC	POLY VINYL CHLORIDE
RGS	RIGID GALVANIZED STEEL CONDUIT
ROW	RIGHT OF WAY
SEW	SANITARY SEWER
SD	STORM DRAIN
STA.	STATION
STM	STEAM
TEL	TELECOM

SYMBOLS

	RISER - EXISTING		TRANSMISSION/DISTRIBUTION POLE
	RISER - PROPOSED		TRANSMISSION POLE
	CATCH BASIN/INLET (RECTANGULAR)		DISTRIBUTION POLE
	CATCH BASIN/INLET (ROUND)		GROUND/BOND
	FIRE HYDRANT		AERIAL STORAGE - EXISTING
	WATER/GAS VALVE		AERIAL STORAGE - PROPOSED
	LIGHT POST		VAULT/BUILDING STORAGE - EXISTING
	STREET LIGHT		VAULT/BUILDING STORAGE - PROPOSED
	TRAFFIC LIGHT ARM		POLE ANCHOR/DOWN GUY - EXISTING
	TREE		POLE ANCHOR/DOWN GUY - PROPOSED
	CULVERT		DOWN GUY TO EXISTING ANCHOR - PROPOSED
	WING WALL		SPLICE POINT - EXISTING
	BRIDGE		SPLICE POINT - PROPOSED
	STREET SIGN		TERMINATION - EXISTING
	ADA RAMP		TERMINATION - PROPOSED
	UTILITY POLE - EXISTING		PULLBOX - EXISTING
	UTILITY POLE - PROPOSED		PULLBOX - PROPOSED
	TRAFFIC RATED VAULT - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		CONSTRUCTION NOTE / RESTORATION CALLOUT
	TRAFFIC RATED VAULT - PROPOSED (SIZE MAY VARY)		PHOTO-MARKER
	HANDHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		NORTH ARROW
	HANDHOLE - PROPOSED (SIZE MAY VARY)		
	PEDESTAL - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	PEDESTAL - PROPOSED (SIZE MAY VARY)		
	WET UTILITY MANHOLE - EXISTING (SIZE AND UTILITY TYPE MAY VARY)		
	BORE PIT - PROPOSED (SIZE MAY VARY)		
	UTILITY POTHOLE		

INFORMATION TABLES

POLE NUMBER	#	UTILITY POLE INFORMATION TABLE (NUMBER OF ATTACHMENTS MAY VARY)
EXISTING UTILITY	0'-0"	
PROPOSED ATTACH	0'-0"	

#F	IN:	SEQUENTIAL IN/OUT CALLOUT
	OUT:	

#F	IN:	SEQUENTIAL IN/TAILOUT CALLOUT
	TAIL:	

#F	TAIL:	SEQUENTIAL TAIL/OUT CALLOUT
	OUT:	

HATCH PATTERNS



CONCRETE SIDEWALK



GRASS/VEGETATION



GRAVEL



WATER



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GENERAL NOTES

GENERAL NOTES:

The locations of utilities shown on these drawing are only approximate. MGC TECHNICAL CONSULTING, INC. hereby disclaims any responsibility to third parties for the accuracy of this information. Persons working in the area covered by this drawing must contact the statewide Call-Before-You-Dig System to ascertain the location of underground utilities prior to performing any excavation.

1. ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION OF UTILITY IMPROVEMENTS SHALL MEET OR EXCEED SITE WORK STANDARDS AND THE STANDARDS AND SPECIFICATIONS SET FORTH IN THE CITY OF NORTH BEND REGULATIONS AND APPLICABLE STATE AND FEDERAL REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS, THE HIGHER QUALITY STANDARD SHALL APPLY. ALL WORK WITHIN PUBLIC R.O.W. OR EASEMENTS MAY REQUIRE INSPECTED AND APPROVED BY THE CITY OF NORTH BEND INSPECTOR. INSPECTION SERVICES AND CONSTRUCTION CERTIFICATION TO BE PROVIDED BY DESIGNEE OF PROJECT SPONSOR/OWNER.
2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES, AS SHOWN ON THESE PLANS, IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE LOCAL UTILITY LOCATION CENTER AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATIONS OF EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY PERTINENT LOCATIONS AND ELEVATIONS, ESPECIALLY AT THE CONNECTION POINTS AND AT POTENTIAL UTILITY CONFLICTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES THAT CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE CITY OF NORTH BEND INSPECTOR AT LEAST 48 HOURS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS IF REQUIRED.
4. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE CITY OF NORTH BEND AND ALL UTILITY COMPANIES WITH REGARD TO RELOCATIONS OR ADJUSTMENTS OF EXISTING UTILITIES DURING CONSTRUCTION, TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION, AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE.
5. THE CONTRACTOR SHALL HAVE ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND ONE (1) COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB ON-SITE AT ALL TIMES.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO: EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
7. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED BY THE CONTRACTOR, HIS SUBCONTRACTORS, OR OTHER AFFECTED PARTIES WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY.
8. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
9. FOR WORK AFFECTING PUBLIC ROADWAYS OR IF REQUIRED BY THE CITY OF NORTH BEND, THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL AND PHASING PLAN IN ACCORDANCE WITH M.U.T.C.D. FOR APPROVAL. PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN OR AFFECTING THE RIGHT-OF-WAY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY SAID PLANS. PRIOR TO INSTALLATION A PRECONSTRUCTION CONFERENCE SHALL BE HELD WITH CITY OF NORTH BEND.
10. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS SHOWN ON THESE DRAWINGS OR DESIGNATED TO BE PROVIDED, INSTALLED, CONSTRUCTED, REMOVED OR RELOCATED UNLESS SPECIFICALLY NOTED OTHERWISE.
11. PER AGENCY STANDARDS THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ROADWAYS FREE AND CLEAR OF ALL CONSTRUCTION DEBRIS AND DIRT TRACKED FROM THE SITE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING RECORD INFORMATION ON A SET OF RECORD DRAWINGS KEPT AT THE CONSTRUCTION SITE AND AVAILABLE TO THE CITY OF NORTH BEND INSPECTOR AT ALL TIMES.
13. DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. FOR ADDITIONAL INFORMATION CONTACT THE ENGINEER FOR CLARIFICATION AND NOTE ON THE RECORD DRAWINGS.
14. ALL EROSION AND SEDIMENT CONTROL (E.S.C.) MEASURES SHALL BE INSTALLED AT THE LIMITS OF CONSTRUCTION PRIOR TO GROUND DISTURBING ACTIVITY. ALL E.S.C. MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS ARE STABILIZED WITH HARD SURFACE OR LANDSCAPING.
15. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE JURISDICTION OF THE CITY OF NORTH BEND ENGINEERING DEPARTMENT STANDARD DETAILS AND SPECIFICATIONS.
16. ALL CONSTRUCTION OPERATIONS, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTH MOVING EQUIPMENT, CONSTRUCTION EQUIPMENT AND ANY OTHER ASSOCIATED EQUIPMENT SHALL GENERALLY BE LIMITED TO THE TIME PERIOD APPROVED BY THE CITY OF NORTH BEND.

AERIAL NOTES

1. ALL CONSTRUCTION IS TO BE PREFORMED TO INDUSTRY ACCEPTABLE STANDARDS.
2. ALL NEW AERIAL (AND EXISTING) CABLE HEIGHTS OF ATTACHMENTS TO BE DOCUMENTED AT THE TIME OF CONSTRUCTION.
3. 6.6M STRAND TO BE USED WITH STANDARD 5/8" POLE LINK HARDWARE UNLESS OTHERWISE SPECIFIED BOND STRAND TO POWER MAIN WHERE APPLICABLE.
4. ALL ANCHORS TO BE USED WILL BE 3/4" SCREW TYPE
5. IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN AND FOLLOW ALL NESC ALONG WITH APPLICABLE LOCAL & REGIONAL GOVERNING AUTHORITIES. ANY DISCREPANCIES BETWEEN THESE AUTHORITIES AND OR THE CONSTRUCTION PRINTS IS TO BE VALIDATED WITH THE DESIGNER OR OWNER PRIOR TO CONSTRUCTION.
6. ALL PVC OR HDPE CONDUITS ARE TO BE PLUGGED WITH COMPRESSION STYLE PLUGS. ANY CONDUITS CONTAINING FIBER CABLE REQUIRE SIMPLEX COMPRESSION PLUGS SEALING THE CONDUIT AROUND THE CABLE.

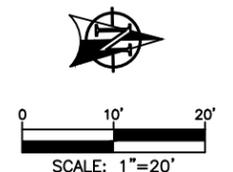
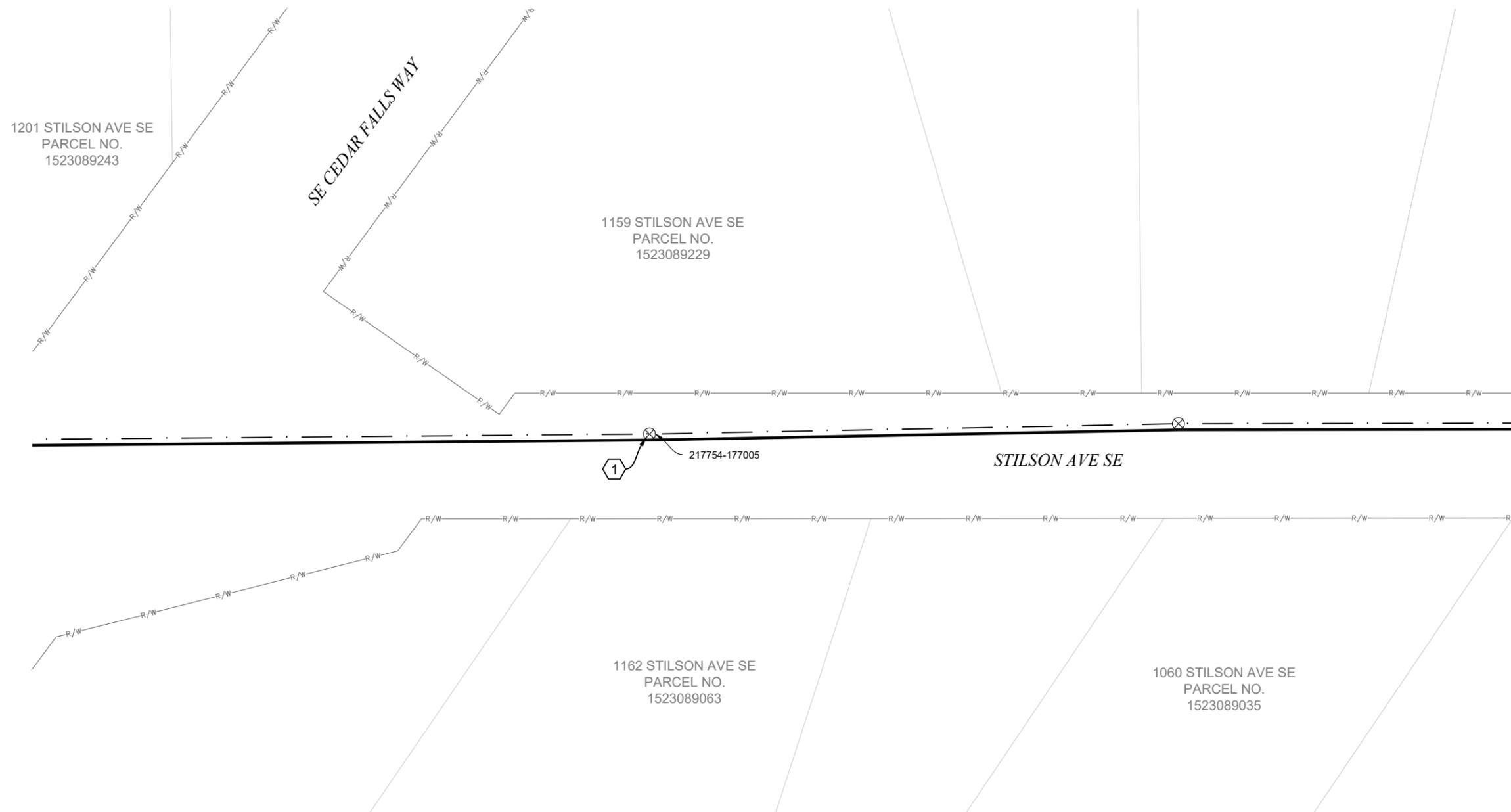


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CONFIDENTIAL/PROPRIETARY				SHEET: 3 OF 5

CONSTRUCTION NOTES

1 TRANSFER SVSD FIBER FROM OLD POLE TO NEW POLE.



DESIGN VIEW A

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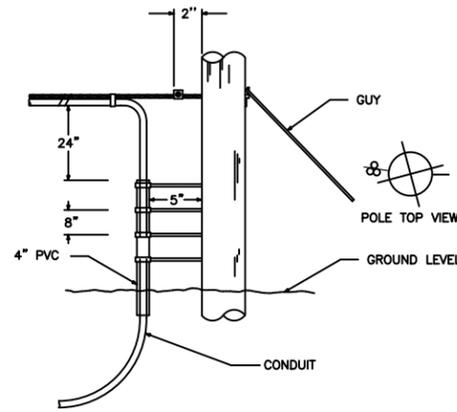


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AERIAL TYPICALS

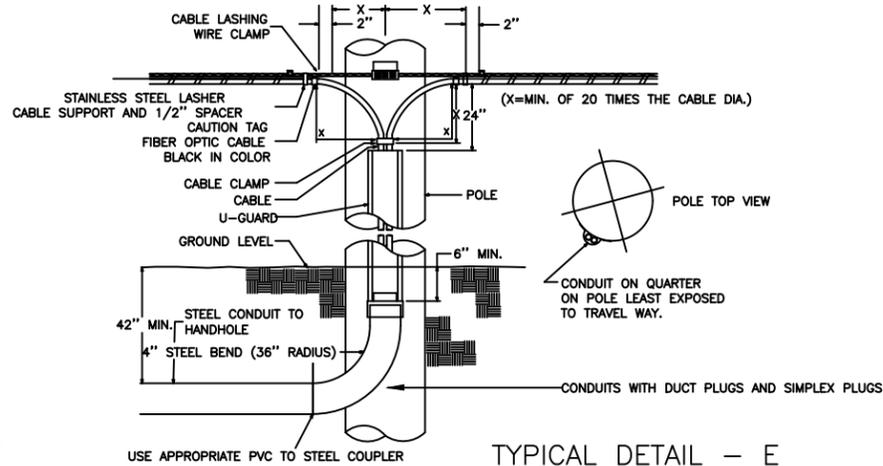
TYPICAL DETAIL - A

POLE ARRANGEMENT FOR AERIAL TO BURIED CABLE



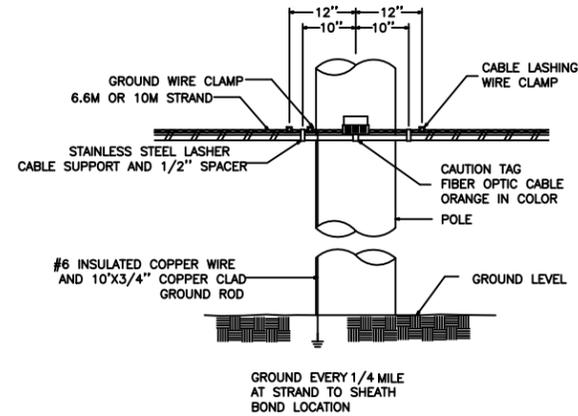
TYPICAL DETAIL - B

POLE ARRANGEMENT FOR REPEATER OR HANDHOLE LOCATION

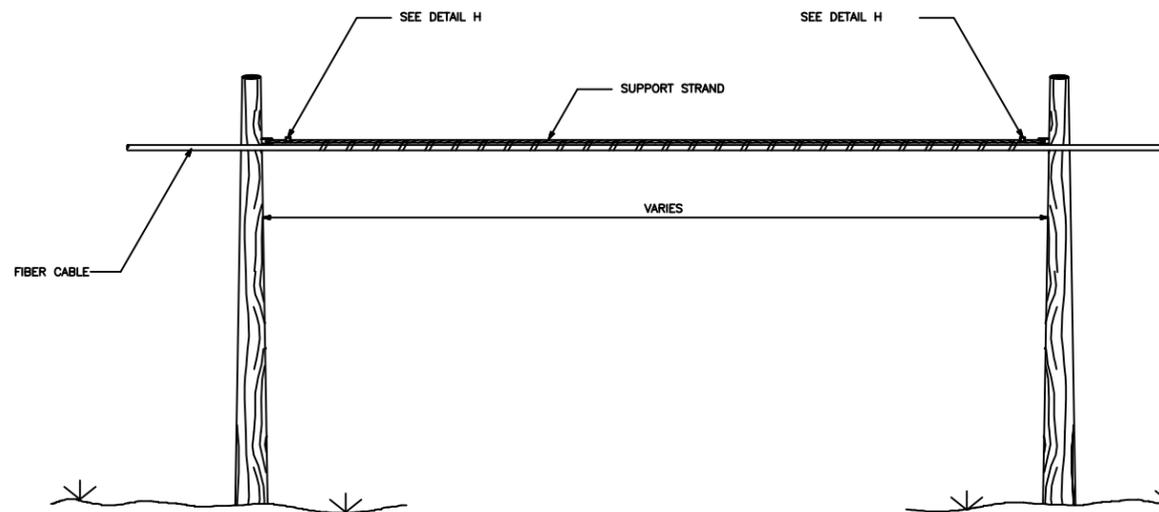


TYPICAL DETAIL - C

TYPICAL CABLE & HARDWARE INSTALLATION (6.6M STRAND \ 10M STRAND)

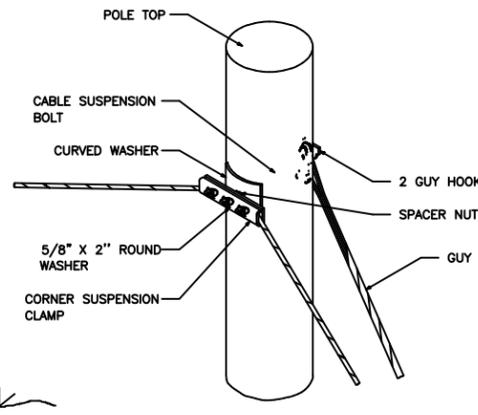


TYPICAL DETAIL - D



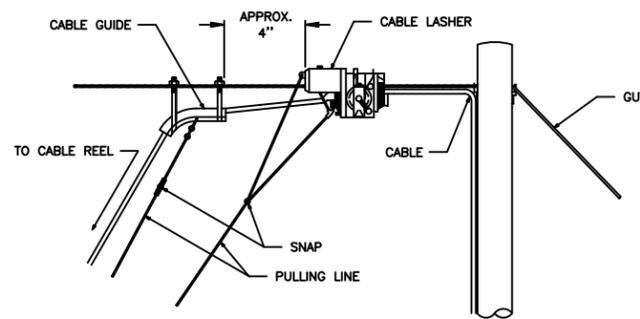
TYPICAL DETAIL - E

SUSPENSION STRAND - PULL AWAY FROM POLE - 5 FEET OR MORE



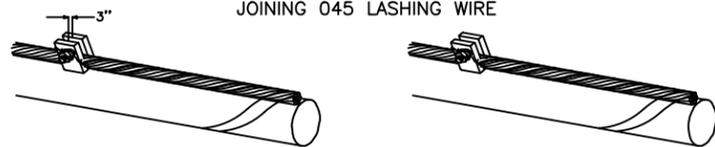
TYPICAL DETAIL - F

TYPICAL ARRANGEMENT OF CABLE LASHER AND CABLE GUIDE



TYPICAL DETAIL - G

JOINING 045 LASHING WIRE



REMOVE ANY SLACK IN THE LASHING WIRE BY MAINTAINING A PULL ON THE WIRE AND TAPPING THE STRAND SHARPLY. THEN FORM THE WIRE OVER THE STUD AND TIGHTEN THE NUT. CUT THE FREE END OF THE LASHING WIRE OFF 3/4\"

FORMING WIRE OVER STUD OF CLAMP

FORM THE LASHING WIRE AROUND THE STRAND AND PLACE IT BELOW THE STUD AND BETWEEN THE SECOND WASHER AND STUD SHOULDER.

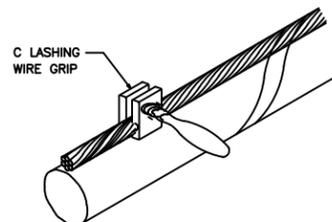
FORMING LASHING WIRE AROUND STRAND



TYPICAL DETAIL - H

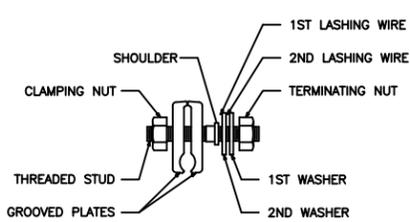
LASHING WIRE GRIP AND CLAMP

C LASHING WIRE GRIP INSTALLED ON STRAND



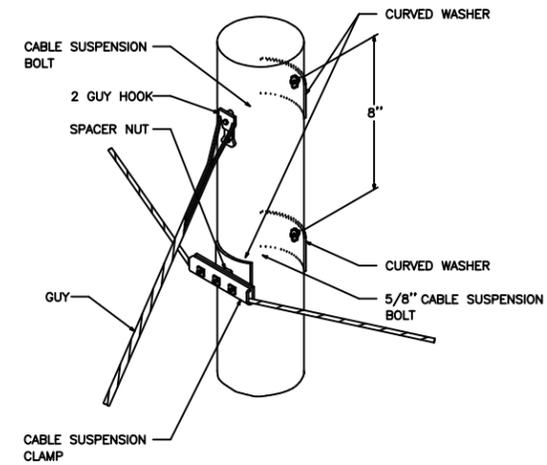
NOTE: LASHING WIRE SHOULD FOLLOW LAY OF STRAND WIRES UNDER GRIP.

D CABLE LASHING CLAMP



TYPICAL DETAIL - I

SUSPENSION STRAND - PULL TOWARD POLE - LESS THAN 5 FEET



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