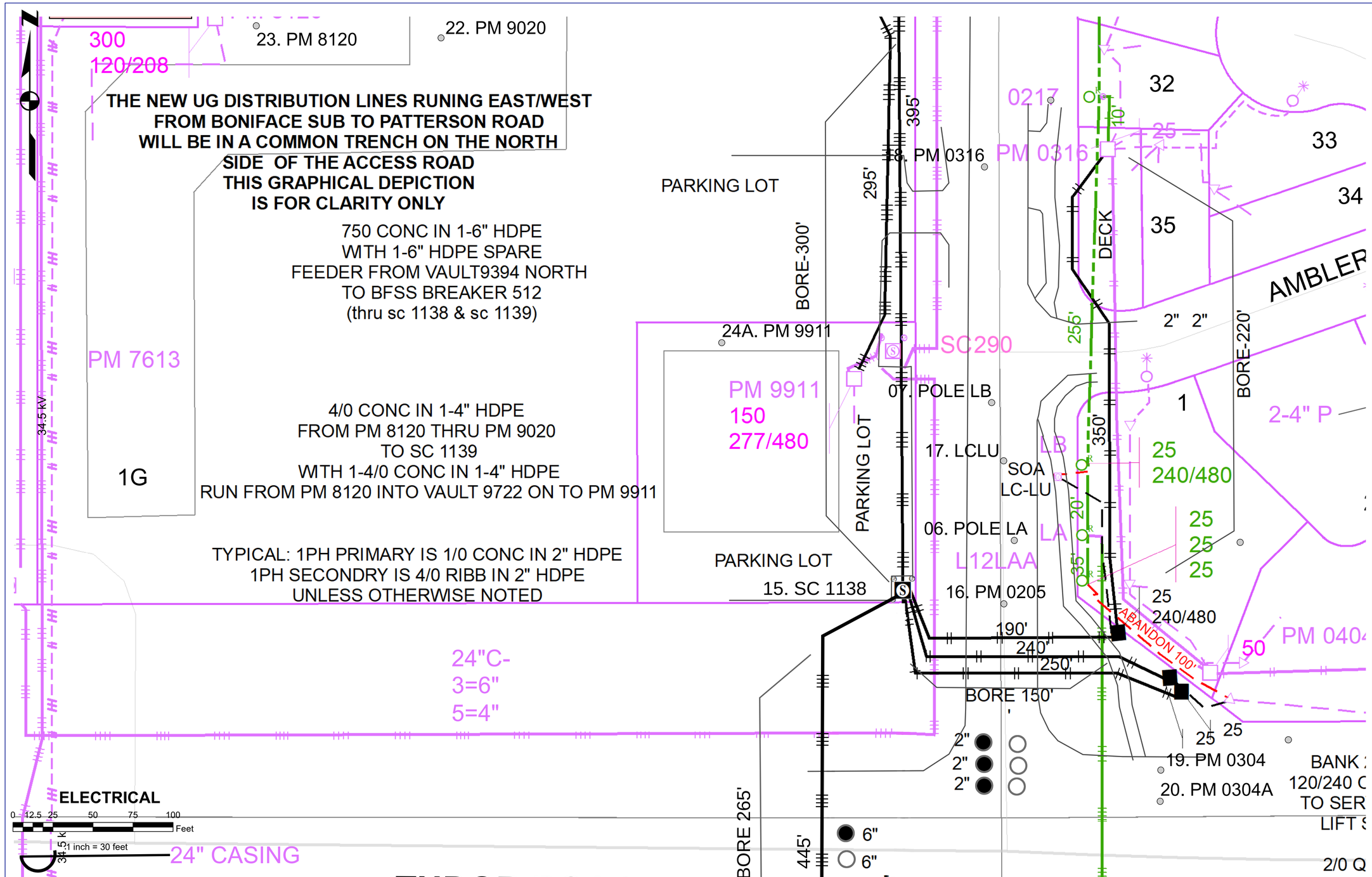


POLE CONTACT RECORD

LOCATION	TEL	CATV

Manuf.
Manuf. Date
Volt Rating
Insul. Type
Insul. Size
Cond. Size/Type
Quantity in Feet

INITIAL/DATE

CALL BEFORE YOU DIG!

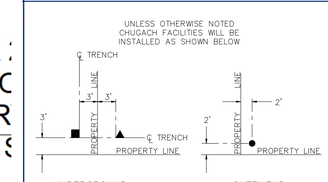
LOCATE CALL CENTER OF ALASKA (LCCA)	
ANCHORAGE AREA	278-3121
STATEWIDE	800-478-3121
AT&T ALASCOM INC.	264-8465
ALASKA RAILROAD UTILITIES	265-2457
ALYESKA CABLE TV (GIRDWOOD)	783-2982
KULIS AIR BASE	249-1499
MILITARY PETROLEUM FUEL LINES	552-2334
	552-5342
STATE STORM DRAINS & STREET LIGHTS	333-2411

CONSTRUCTION LEGEND

New		Existing
■	PADMOUNT TRANSFORMER	□
▲	PEDESTAL	△
●	POWER POLE	○
	STREET LIGHT	
■	WARNING POST	□
	1 Ø UG PRI CONDUCTOR	
	3 Ø UG PRI CONDUCTOR	
	UG SECONDARY CONDUCTOR	
	UG STREET LIGHT CONDUCTOR	
	1 Ø OH CONDUCTOR	
	3 Ø OH CONDUCTOR	
J	JUNCTION BOX	J
	SPLICE POINT	
	SPARE CONDUIT	
	CONDUIT W/ CONDUCTOR	
S	SWITCH CABINET	S

R.O.W LEGEND
R.O.W LINE
CENTERLINE OF TRENCH

UNLESS OTHERWISE NOTED CHUGACH FACILITIES WILL BE INSTALLED AS SHOWN BELOW



Typical Staking
N.T.S.

PROJECT: 3Ø OH TO UG PATTERSON ST AT INTERSECTION OF TUDOR ROAD
ENGINEER / SMATTSON
W.O. # 355 E1813854

NO.	DESIGN / CONSTRUCTION / ASBUILT REVISION	DWN. BY / DATE	REVIEWED MGR./SUPV./ DATE	APPROVED DIRECTOR / DATE
0	ISSUED FOR CONSTRUCTION	6/24/20	4/25/23	

ENGINEERING STAMP

CHUGACH
POWERING ALASKA'S FUTURE

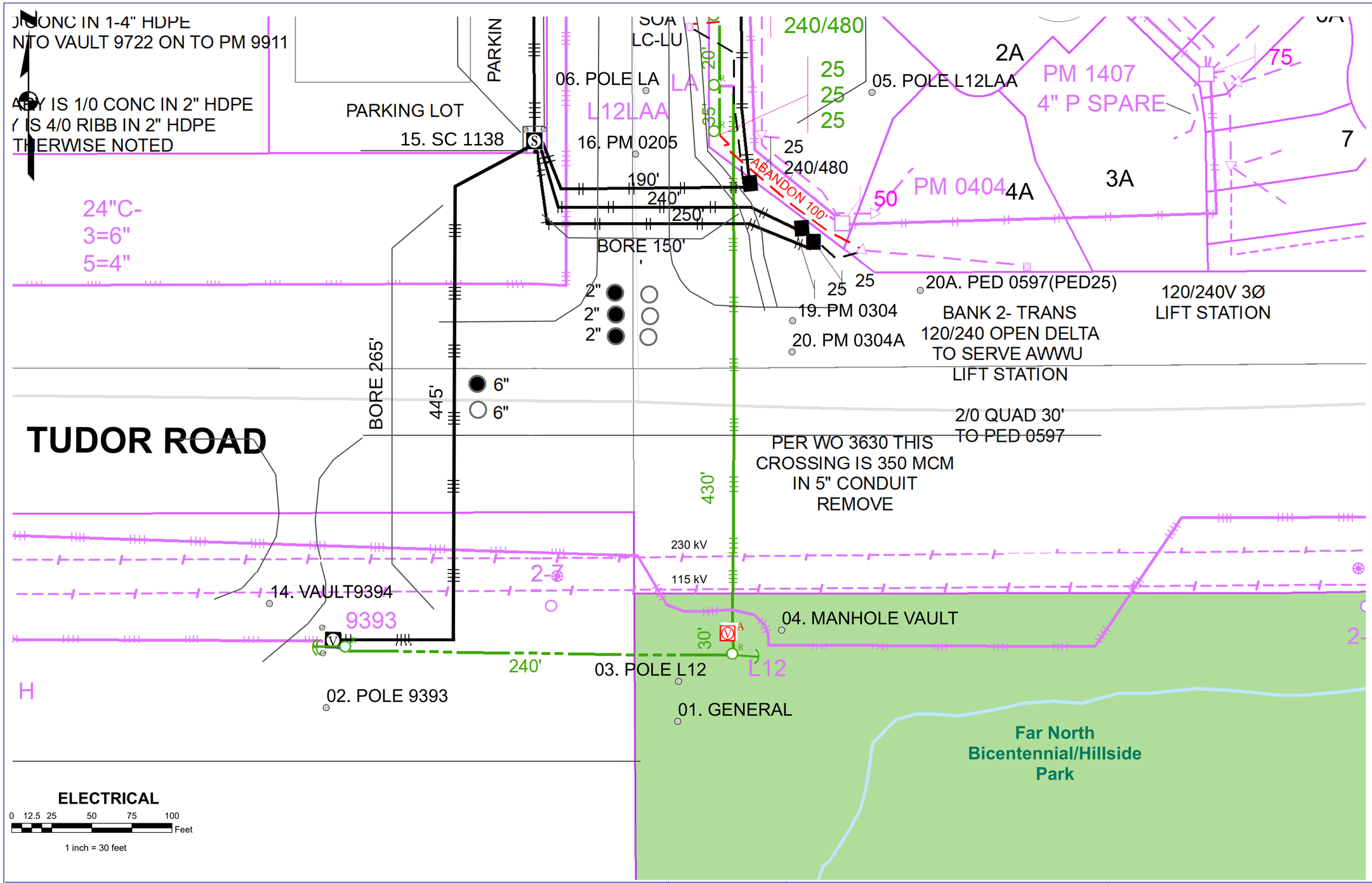
Chugach Electric Association, Inc.
5601 Electron Drive - P.O. Box 196300
Anchorage, Alaska 99519-6300

DRAWING NAME: E1813854
PATTERSON STREET 3Ø OH TO UG AT E. TUDOR INTERSECTION

GRID: 1739,1740,1839.1840
MAP: 1303-26D,1303-25C,1303-35A,1303-36B
FEEDER: BFSS 512

W.O. NUMBER: 355 E1813854

SHT. ____ OF ____



ELECTRICAL

0 12.5 25 50 75 100 Feet

1 inch = 30 feet

POLE CONTACT RECORD

LOCATION	TEL	CATV

Manuf.
Manuf. Date
Volt Rating
Insul. Type
Insul. Size
Cond. Size/Type
Quantity in Feet

INITIAL/DATE

CALL BEFORE YOU DIG!

LOCATE CALL CENTER OF ALASKA (LCCA)	
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KULIS AIR BASE	249-1499
MILITARY PETROLEUM FUEL LINES	552-2334
	552-5342
STATE STORM DRAINS & STREET LIGHTS	333-2411

CONSTRUCTION LEGEND

New		Existing
■	PADMOUNT TRANSFORMER	□
▲	PEDESTAL	△
●	POWER POLE	○
	STREET LIGHT	
■	WARNING POST	□
	1 Ø UG PRI CONDUCTOR	
	3 Ø UG PRI CONDUCTOR	
	UG SECONDARY CONDUCTOR	
	UG STREET LIGHT CONDUCTOR	
	1 Ø OH CONDUCTOR	
	3 Ø OH CONDUCTOR	
J	JUNCTION BOX	J
◆	SPLICE POINT	◇
	SPARE CONDUIT	
	CONDUIT W/ CONDUCTOR	
S	SWITCH CABINET	S

R.O.W LEGEND

R.O.W LINE

CENTERLINE OF TRENCH

UNLESS OTHERWISE NOTED CHUGACH FACILITIES WILL BE INSTALLED AS SHOWN BELOW

Typical Staking
N.T.S.

PROJECT: 3Ø OH TO UG PATTERSON ST AT INTERSECTION OF TUDOR ROAD

ENGINEER / SMATTSON

W.O. # 355 E1813854

NO.	DESIGN / CONSTRUCTION / ASBUILT REVISION	DWN. BY / DATE	REVIEWED MGR./SUPV./ DATE	APPROVED DIRECTOR / DATE
0	ISSUED FOR CONSTRUCTION	6/24/20	4/25/23	

ENGINEERING STAMP

CHUGACH
POWERING ALASKA'S FUTURE

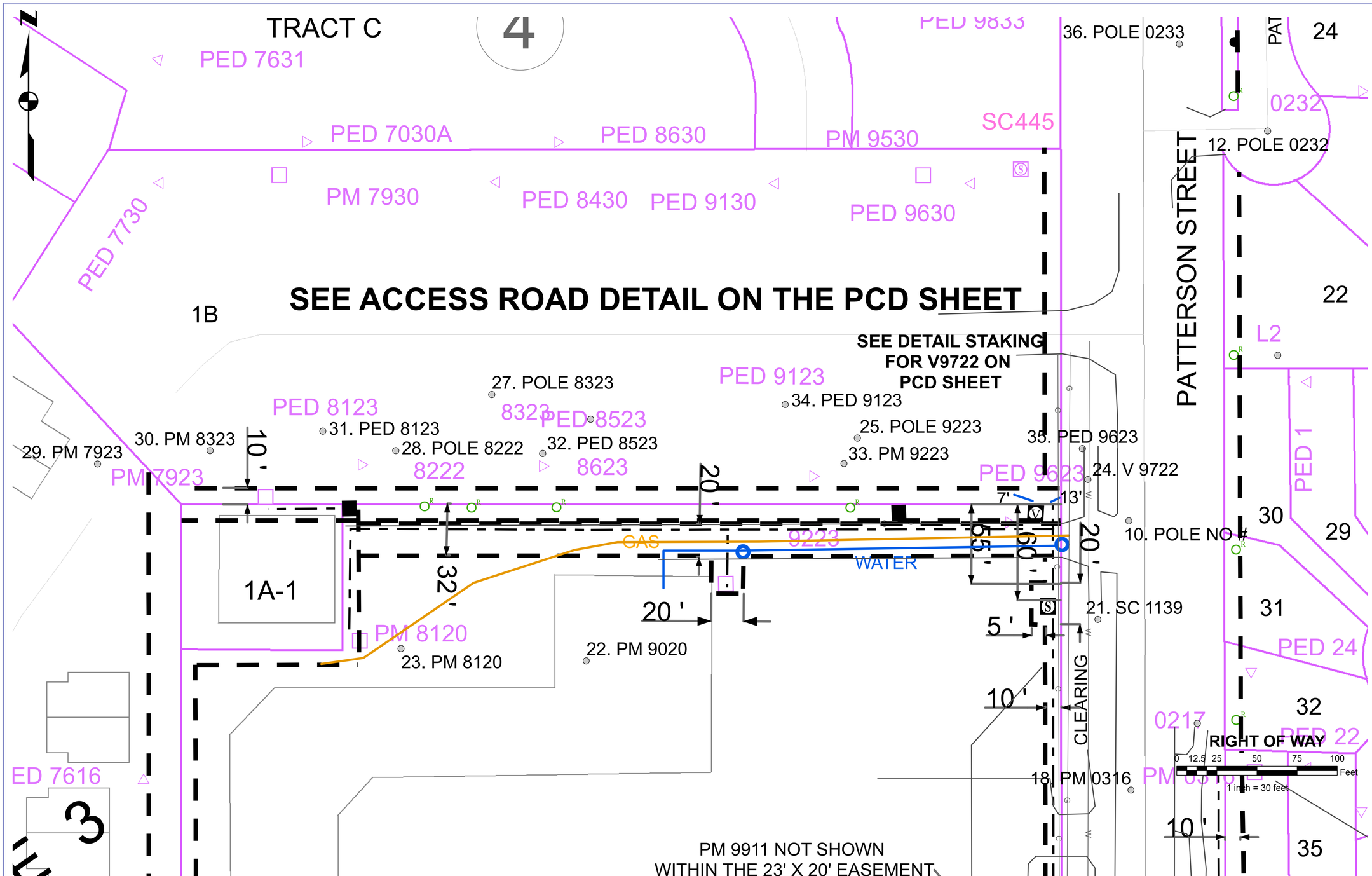
Chugach Electric Association, Inc.
5601 Electron Drive - P.O. Box 196300
Anchorage, Alaska 99519-6300

DRAWING NAME: E1813854
PATTERSON STREET 3Ø OH TO UG AT E. TUDOR INTERSECTION

GRID: 1739,1740,1839.1840
MAP: 1303-26D,1303-25C,1303-35A,1303-36B
FEEDER: BFSS 512

W.O. NUMBER: 355 E1813854

SHT. ____ OF ____



POLE CONTACT RECORD

LOCATION	TEL	CATV

Manuf.
Manuf. Date
Volt Rating
Insul. Type
Insul. Size
Cond. Size/Type
Quantity in Feet

INITIAL/DATE_____

CALL BEFORE YOU DIG!

LOCATE CALL CENTER OF ALASKA (LCCA)	
ANCHORAGE AREA	278-3121
STATEWIDE	800-478-3121
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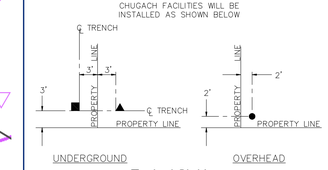
ALASKA RAILROAD UTILITIES	265-2457
ALYESKA CABLE TV (GIRDWOOD)	783-2982
KULIS AIR BASE	249-1499
MILITARY PETROLEUM FUEL LINES	552-2334
	552-5342
STATE STORM DRAINS & STREET LIGHTS	333-2411

CONSTRUCTION LEGEND

New		Existing
■	PADMOUNT TRANSFORMER	□
▲	PEDESTAL	△
●	POWER POLE	○
	STREET LIGHT	
■	WARNING POST	□
	1 Ø UG PRI CONDUCTOR	
	3 Ø UG PRI CONDUCTOR	
	UG SECONDARY CONDUCTOR	
	UG STREET LIGHT CONDUCTOR	
	1 Ø OH CONDUCTOR	
	3 Ø OH CONDUCTOR	
J	JUNCTION BOX	J
◆	SPLICE POINT	◇
	SPARE CONDUIT	
	CONDUIT W/ CONDUCTOR	
S	SWITCH CABINET	S

R.O.W LEGEND
R.O.W LINE
CENTERLINE OF TRENCH

UNLESS OTHERWISE NOTED CHUGACH FACILITIES WILL BE INSTALLED AS SHOWN BELOW



Typical Staking
N.T.S.

PROJECT: 3Ø OH TO UG PATTERSON ST AT INTERSECTION OF TUDOR ROAD
ENGINEER / SMATTSON
W.O. # 355 E1813854

NO.	DESIGN / CONSTRUCTION / ASBUILT REVISION	DWN. BY / DATE	REVIEWED MGR./SUPV./ DATE	APPROVED DIRECTOR / DATE
0	ISSUED FOR CONSTRUCTION	6/24/20	4/25/23	

ENGINEERING STAMP

CHUGACH
POWERING ALASKA'S FUTURE

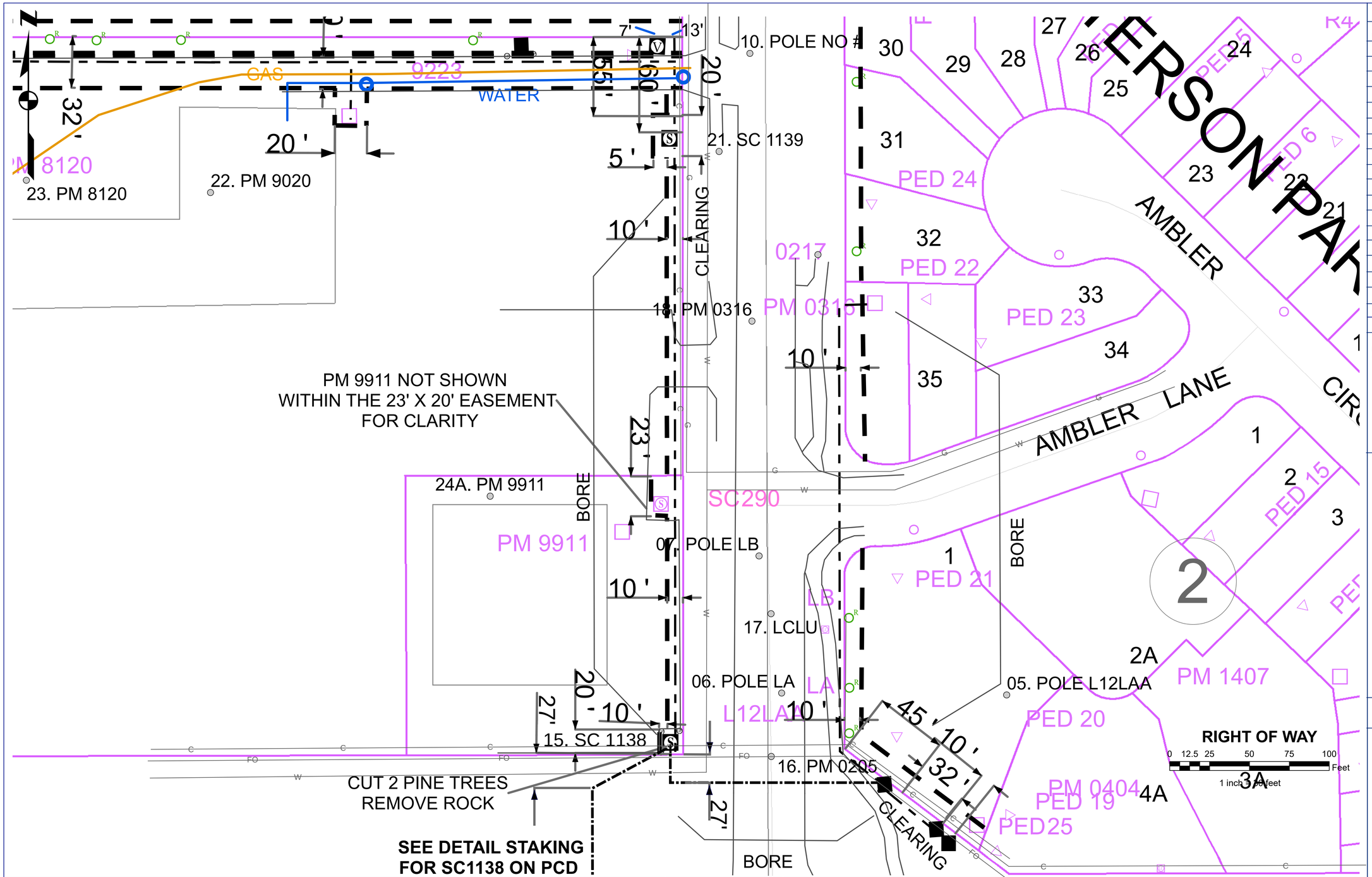
Chugach Electric Association, Inc.
5601 Electron Drive - P.O. Box 196300
Anchorage, Alaska 99519-6300

DRAWING NAME: E1813854
PATTERSON STREET 3Ø OH TO UG AT E. TUDOR INTERSECTION

GRID: 1739,1740,1839.1840
MAP: 1303-26D,1303-25C,1303-35A,1303-36B
FEEDER: BFSS 512

W.O. NUMBER: 355 E1813854

SHT. ____ OF ____



POLE CONTACT RECORD

LOCATION	TEL	CATV

Manuf.
Manuf. Date
Volt Rating
Insul. Type
Insul. Size
Cond. Size/Type
Quantity in Feet

INITIAL/DATE_____

CALL BEFORE YOU DIG!

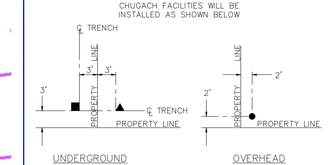
LOCATE CALL CENTER OF ALASKA (LCCA)	
ANCHORAGE AREA	278-3121
STATEWIDE	800-478-3121
AT&T ALASCOM INC.	264-8465
ALASKA RAILROAD UTILITIES	265-2457
ALYESKA CABLE TV (GIRDWOOD)	783-2982
KULIS AIR BASE	249-1499
MILITARY PETROLEUM FUEL LINES	552-2334
	552-5342
STATE STORM DRAINS & STREET LIGHTS	333-2411

CONSTRUCTION LEGEND

New		Existing
■	PADMOUNT TRANSFORMER	□
▲	PEDESTAL	△
●	POWER POLE	○
	STREET LIGHT	
■	WARNING POST	□
	1 Ø UG PRI CONDUCTOR	
	3 Ø UG PRI CONDUCTOR	
	UG SECONDARY CONDUCTOR	
	UG STREET LIGHT CONDUCTOR	
	1 Ø OH CONDUCTOR	
	3 Ø OH CONDUCTOR	
J	JUNCTION BOX	J
◆	SPLICE POINT	◇
	SPARE CONDUIT	
	CONDUIT W/ CONDUCTOR	
S	SWITCH CABINET	S

R.O.W LEGEND
R.O.W LINE
CENTERLINE OF TRENCH

UNLESS OTHERWISE NOTED
CHUGACH FACILITIES WILL BE
INSTALLED AS SHOWN BELOW



Typical Staking
N.T.S.

PROJECT: 3Ø OH TO UG PATTERSON ST AT INTERSECTION OF TUDOR ROAD
ENGINEER / SMATTSON
W.O. # 355 E1813854

NO.	DESIGN / CONSTRUCTION / ASBUILT REVISION	DWN. BY / DATE	REVIEWED MGR./SUPV./ DATE	APPROVED DIRECTOR / DATE
0	ISSUED FOR CONSTRUCTION	6/24/20	BG 4/25/23	

ENGINEERING STAMP

CHUGACH
POWERING ALASKA'S FUTURE

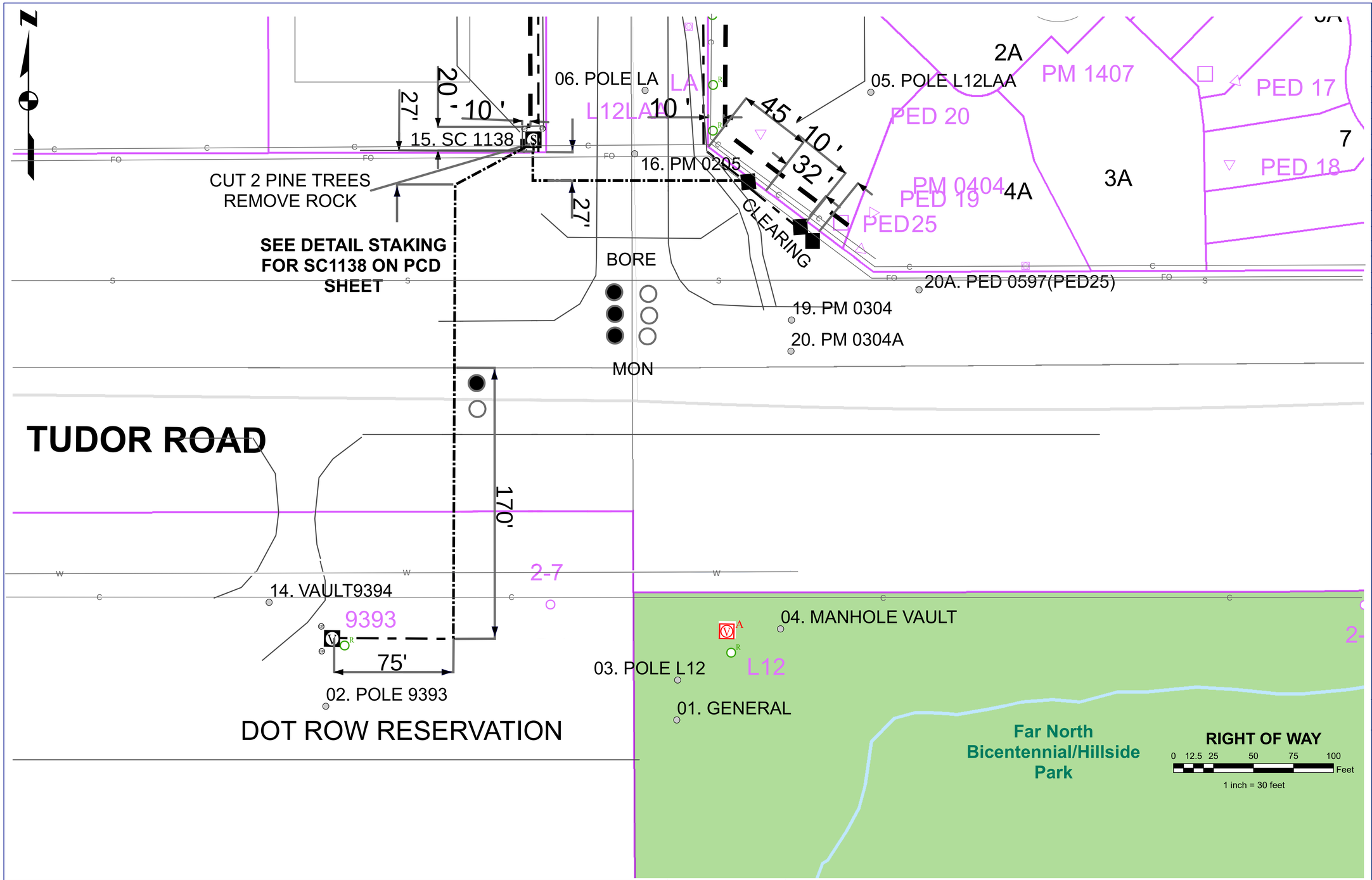
Chugach Electric Association, Inc.
5601 Electron Drive - P.O. Box 196300
Anchorage, Alaska 99519-6300

DRAWING NAME: E1813854
PATTERSON STREET 3Ø OH TO UG AT E. TUDOR INTERSECTION

GRID: 1739,1740,1839.1840
MAP: 1303-26D,1303-25C,1303-35A,1303-36B
FEEDER: BFSS 512

W.O. NUMBER: 355 E1813854

SHT. ____ **OF** ____



POLE CONTACT RECORD

LOCATION	TEL	CATV

INITIAL/DATE_____

Manuf.
Manuf. Date
Volt Rating
Insul. Type
Insul. Size
Cond. Size/Type
Quantity in Feet

CALL BEFORE YOU DIG!

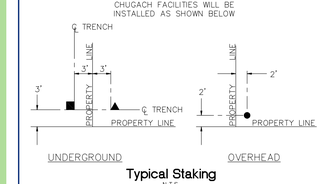
LOCATE CALL CENTER OF ALASKA (LCCA)	
ANCHORAGE AREA	278-3121
STATEWIDE	800-478-3121
AT&T ALASCOM INC.	264-8465
ALASKA RAILROAD UTILITIES	265-2457
ALYESKA CABLE TV (GIRDWOOD)	783-2982
KULIS AIR BASE	249-1499
MILITARY PETROLEUM FUEL LINES	552-2334
	552-5342
STATE STORM DRAINS & STREET LIGHTS	333-2411

CONSTRUCTION LEGEND

New		Existing
■	PADMOUNT TRANSFORMER	□
▲	PEDESTAL	△
●	POWER POLE	○
	STREET LIGHT	
■	WARNING POST	□
	1 Ø UG PRI CONDUCTOR	
	3 Ø UG PRI CONDUCTOR	
	UG SECONDARY CONDUCTOR	
	UG STREET LIGHT CONDUCTOR	
	1 Ø OH CONDUCTOR	
	3 Ø OH CONDUCTOR	
J	JUNCTION BOX	J
	SPLICE POINT	
	SPARE CONDUIT	
	CONDUIT W/ CONDUCTOR	
S	SWITCH CABINET	S

R.O.W LEGEND
R.O.W LINE
CENTERLINE OF TRENCH

UNLESS OTHERWISE NOTED CHUGACH FACILITIES WILL BE INSTALLED AS SHOWN BELOW



Typical Staking
N.T.S.

PROJECT: 3Ø OH TO UG PATTERSON ST AT INTERSECTION OF TUDOR ROAD
ENGINEER / SMATTSON
W.O. # 355 E1813854

NO.	DESIGN / CONSTRUCTION / ASBUILT REVISION	DWN. BY / DATE	REVIEWED MGR./SUPV./ DATE	APPROVED DIRECTOR / DATE
0	ISSUED FOR CONSTRUCTION	6/24/20	4/25/23	

ENGINEERING STAMP

CHUGACH
POWERING ALASKA'S FUTURE

Chugach Electric Association, Inc.
5601 Electron Drive - P.O. Box 196300
Anchorage, Alaska 99519-6300

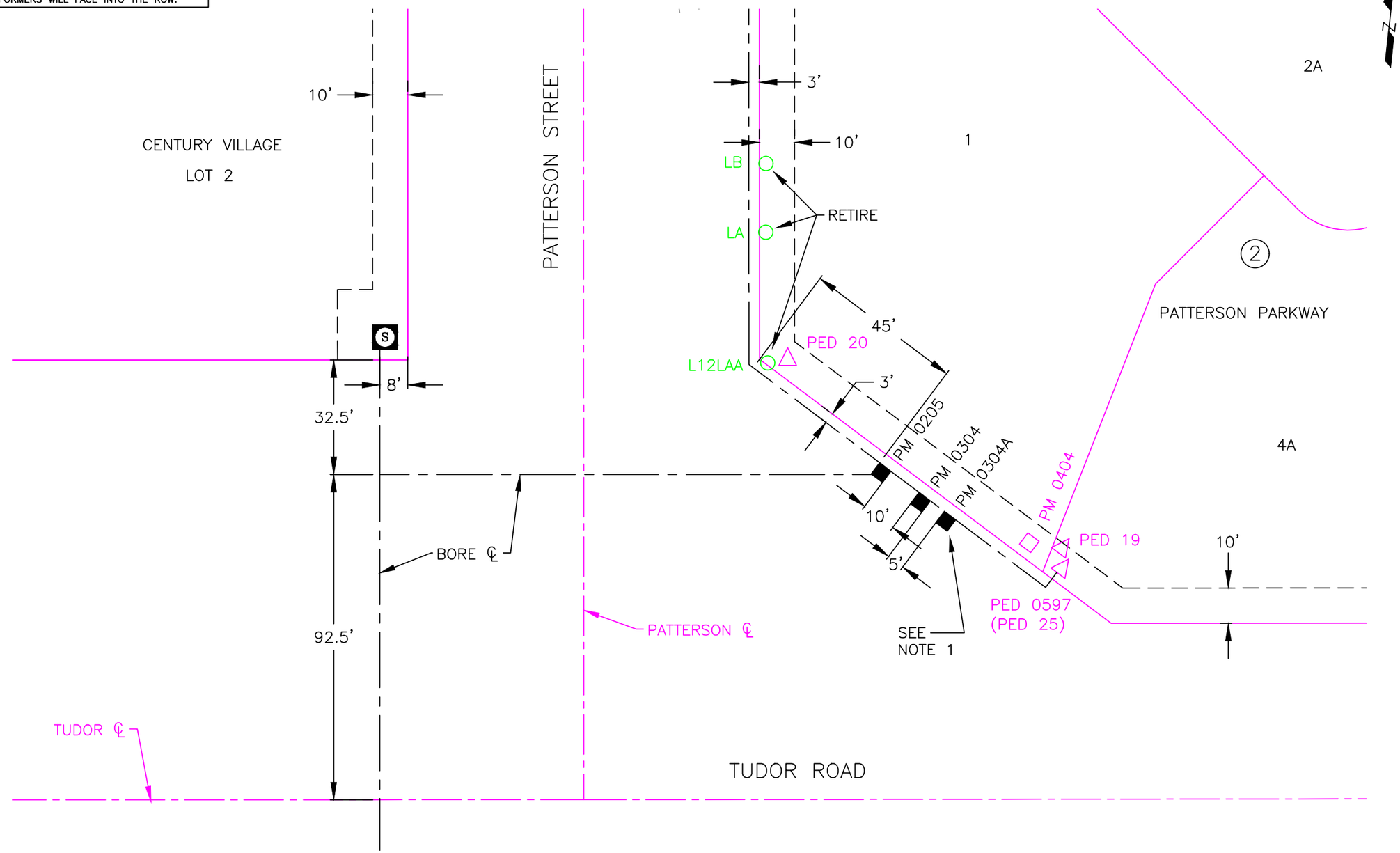
DRAWING NAME: E1813854
PATTERSON STREET 3Ø OH TO UG AT E. TUDOR INTERSECTION

GRID: 1739,1740,1839.1840
MAP: 1303-26D,1303-25C,1303-35A,1303-36B
FEEDER: BFSS 512

W.O. NUMBER: 355 E1813854

SHT. ____ OF ____

NOTES:
1. PM 0304 AND PM 0304A ARE DELTA CONNECTED AND NEED TO BE SEPARATED FROM PM 0205 BY 10'.
2. ALL TRANSFORMERS WILL FACE INTO THE ROW.



RIGHT OF WAY DETAIL – TUDOR & PATTERSON

Vicinity Map
N.T.S.

CONDUCTOR DATA

Manuf.	Manuf.
Manuf. Date	Manuf. Date
Volt Rating	Volt Rating
Insul. Type	Insul. Type
Insul. Size	Insul. Size
Cond. Size/Type	Cond. Size/Type
Quantity in Feet	Quantity in Feet
Manuf.	Manuf.
Manuf. Date	Manuf. Date
Volt Rating	Volt Rating
Insul. Type	Insul. Type
Insul. Size	Insul. Size
Cond. Size/Type	Cond. Size/Type
Quantity in Feet	Quantity in Feet

CALL BEFORE YOU DIG!

LOCATE CALL CENTER OF ALASKA (LCCA)
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STATEWIDE..... 800-478-3121
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ALASKA RAILROAD UTILITIES..... 265-2457
ALYESKA CABLE TV (GIRDWOOD)..... 783-2982
KULIS AIR BASE..... 249-1499
MILITARY PETROLEUM FUEL LINES..... 552-2334
OR 552-5342
STATE STORM DRAINS & STREET LIGHTS..... 333-2411

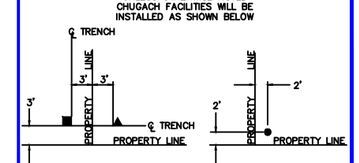
CONSTRUCTION LEGEND

NEW		EXISTING
	PADMOUNT TRANSFORMER	
	PEDESTAL	
	POWER POLE	
	STREET LIGHT	
	WARNING POST	
	1ø U.G. PRI. CONDUCTOR	
	3ø U.G. PRI. CONDUCTOR	
	U.G. SECONDARY CONDUCT.	
	U.G. STREET LIGHT CONDUCT.	
	1ø O.H. CONDUCTOR	
	3ø O.H. CONDUCTOR	
J	JUNCTION BOX	J
	SPLICE POINT	
	SPARE CONDUIT	
	CONDUIT W/ CONDUCTOR	
S	SWITCH CABINET	S

R.O.W. LEGEND

R.O.W. LINE
CENTERLINE OF TRENCH

UNLESS OTHERWISE NOTED CHUGACH FACILITIES WILL BE INSTALLED AS SHOWN BELOW



Typical Staking
N.T.S.

PROJECT: 3Ø OH TO UG PATTERSON ST AT INTERSECTION OF TUDOR ROAD
DESIGNER/PROJECT ENGINEER: M. ELLIOTT W.O. #: E1813854

NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE	APPROVED (DIRECTOR)/DATE
0	ISSUED FOR CONSTRUCTION	ME 06/12/22	BJ 4/25/23	

ENG. STAMP

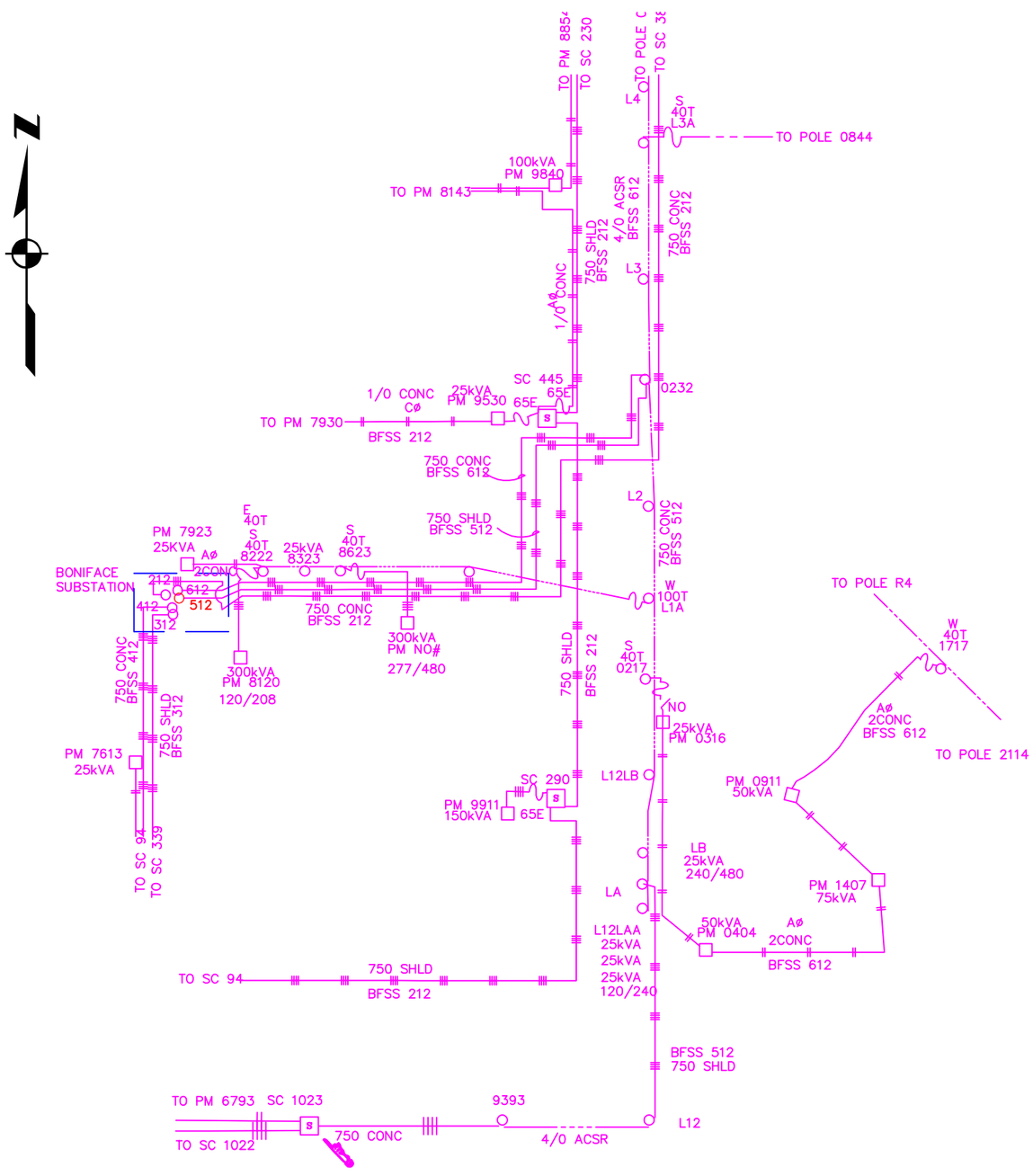
CHUGACH
POWERING ALASKA'S FUTURE

Chugach Electric Association, Inc.
5601 Minnesota Drive - P.O. Box 196300
Anchorage, Alaska 99519-6300

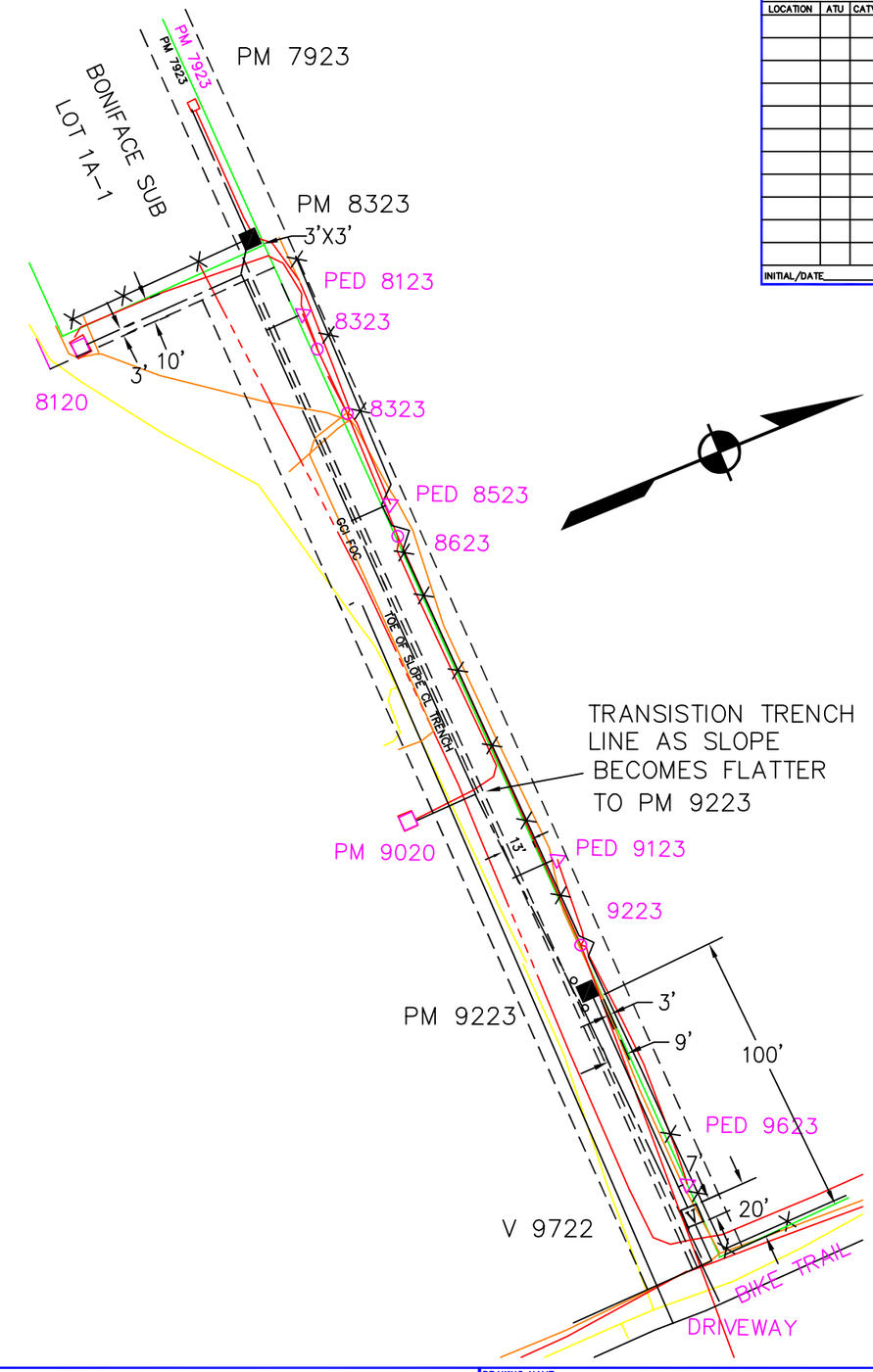
DRAWING NAME:
PATTERSON STREET
3Ø OH TO UG AT E. TUDOR INTERSECTION
GRID: 1740 MAP: 1303-25C
FEEDER: BFSS 512

W.O. NO.:
C.W.P. REF. NO.: E1813854

SHEET 1 OF 1



EXISTING PRIMARY CIRCUIT DIAGRAM
NTS



POLE CONTACT RECORD		
LOCATION	ATU	CATV
INITIAL/DATE_____		

Vicinity Map
N.T.S.

CONDUCTOR DATA

Manuf.	Manuf.
Manuf. Date	Manuf. Date
Volt Rating	Volt Rating
Insul. Type	Insul. Type
Insul. Size	Insul. Size
Cond. Size/Type	Cond. Size/Type
Quantity in Feet	Quantity in Feet
Manuf.	Manuf.
Manuf. Date	Manuf. Date
Volt Rating	Volt Rating
Insul. Type	Insul. Type
Insul. Size	Insul. Size
Cond. Size/Type	Cond. Size/Type
Quantity in Feet	Quantity in Feet

CALL BEFORE YOU DIG!

LOCATE CALL CENTER OF ALASKA (LCCA)
ANCHORAGE AREA..... 278-3121
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ALASKA RAILROAD UTILITIES..... 265-2457
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KULIS AIR BASE..... 249-1499
MILITARY PETROLEUM FUEL LINES..... 552-2334
OR 552-5342
STATE STORM DRAINS & STREET LIGHTS..... 333-2411

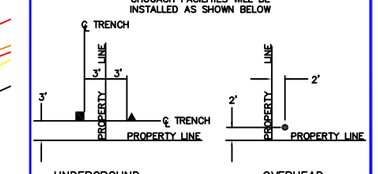
CONSTRUCTION LEGEND

NEW		EXISTING
	PADMOUNT TRANSFORMER	
	PEDESTAL	
	POWER POLE	
	STREET LIGHT	
	WARNING POST	
	1ø U.G. PRI. CONDUCTOR	
	3ø U.G. PRI. CONDUCTOR	
	U.G. SECONDARY CONDUCT.	
	U.G. STREET LIGHT CONDUCT.	
	1ø O.H. CONDUCTOR	
	3ø O.H. CONDUCTOR	
J	JUNCTION BOX	J
	SPLICE POINT	
	SPARE CONDUIT	
	CONDUIT W/ CONDUCTOR	
S	SWITCH CABINET	S

R.O.W. LEGEND

R.O.W. LINE
CENTERLINE OF TRENCH

UNLESS OTHERWISE NOTED CHUGACH FACILITIES WILL BE INSTALLED AS SHOWN BELOW



Typical Staking
N.T.S.

PROJECT: PATTERSON AT EAST TUDOR – OVERHEAD TO UNDERGROUND
DESIGNER/PROJECT ENGINEER: SMATTSON
W.O. #: E1813854

NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE	APPROVED (DIRECTOR)/DATE
0	ISSUED FOR CONSTRUCTION	6/3/20	4/25/23	

ENG. STAMP

CHUGACH
POWERING ALASKA'S FUTURE

Chugach Electric Association, Inc.
5601 Electron Drive - P.O. Box 196300
Anchorage, Alaska 99519-6300

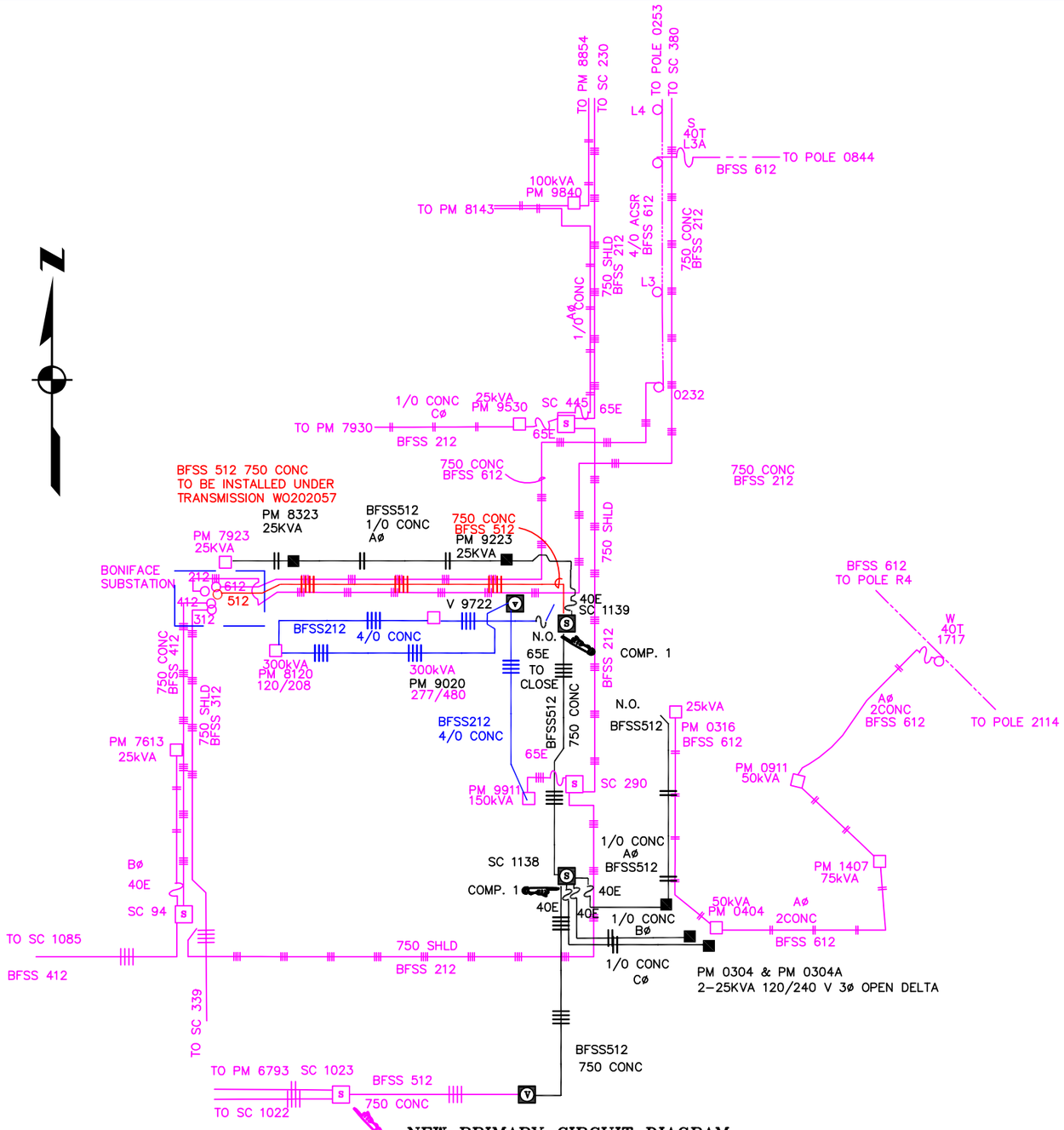
DRAWING NAME:

PATTERSON AT EAST TUDOR
OVERHEAD TO UNDERGROUND
GRIDS: 1740
FEEDER: BFSS 612

J:\DESIGN\E18\13854\PCD.DWG

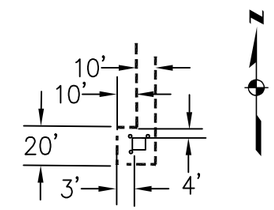
W.O. NO.:
C.W.P. REF. NO.:
E1813854

SHEET____OF____

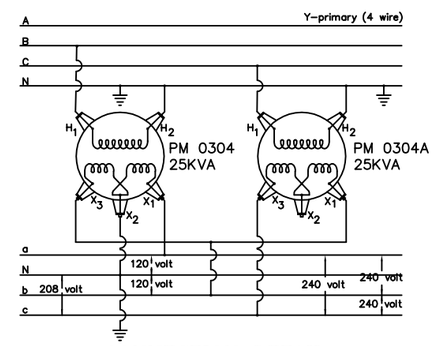


NEW PRIMARY CIRCUIT DIAGRAM

NTS



DETAIL ROW SC 1138



CONNECTION DETAIL
FOR PM 0304 & PM 0304A
NTS

POLE CONTACT RECORD		
LOCATION	ATU	CATV
INITIAL/DATE		

Vicinity Map
N.T.S.

CONDUCTOR DATA

Manuf.	Manuf.
Manuf. Date	Manuf. Date
Volt Rating	Volt Rating
Insul. Type	Insul. Type
Insul. Size	Insul. Size
Cond. Size/Type	Cond. Size/Type
Quantity in Feet	Quantity in Feet
Manuf.	Manuf.
Manuf. Date	Manuf. Date
Volt Rating	Volt Rating
Insul. Type	Insul. Type
Insul. Size	Insul. Size
Cond. Size/Type	Cond. Size/Type
Quantity in Feet	Quantity in Feet

CALL BEFORE YOU DIG!

LOCATE CALL CENTER OF ALASKA (LCCA)
ANCHORAGE AREA..... 278-3121
STATEWIDE..... 800-478-3121
AT&T ALASCOM INC. 264-8465
ALASKA RAILROAD UTILITIES..... 265-2457
ALYESKA CABLE TV (GIRDWOOD)..... 783-2982
KULIS AIR BASE..... 249-1499
MILITARY PETROLEUM FUEL LINES..... 552-2334
OR 552-5342
STATE STORM DRAINS & STREET LIGHTS..... 333-2411

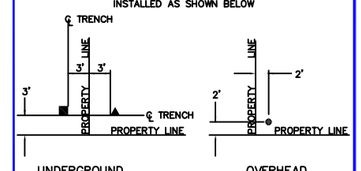
CONSTRUCTION LEGEND

NEW		EXISTING
	PADMOUNT TRANSFORMER	
	PEDESTAL	
	POWER POLE	
	STREET LIGHT	
	WARNING POST	
	1Ø U.G. PRI. CONDUCTOR	
	3Ø U.G. PRI. CONDUCTOR	
	U.G. SECONDARY CONDUCT.	
	U.G. STREET LIGHT CONDUCT.	
	1Ø O.H. CONDUCTOR	
	3Ø O.H. CONDUCTOR	
J	JUNCTION BOX	J
	SPLICE POINT	
	SPARE CONDUIT	
	CONDUIT W/ CONDUCTOR	
S	SWITCH CABINET	S

R.O.W. LEGEND

R.O.W. LINE
CENTERLINE OF TRENCH

UNLESS OTHERWISE NOTED
CHUGACH FACILITIES WILL BE
INSTALLED AS SHOWN BELOW



UNDERGROUND OVERHEAD

Typical Staking
N.T.S.

PROJECT: PATTERSON AT EAST TUDOR - OVERHEAD TO UNDERGROUND
DESIGNER/PROJECT ENGINEER: SMATTSON
W.O. #: E1813854

NO.	DESIGN/CONSTRUCTION/ASBUILT REVISION	DWN BY/DATE	REVIEWED (MGR/SUPV)/DATE	APPROVED (DIRECTOR)/DATE
0	ISSUED FOR CONSTRUCTION	6/3/20	BJ 4/25/23	

ENG. STAMP

CHUGACH
POWERING ALASKA'S FUTURE

Chugach Electric Association, Inc.
5601 Electron Drive - P.O. Box 196300
Anchorage, Alaska 99519-6300

DRAWING NAME:

PATTERSON AT EAST TUDOR
OVERHEAD TO UNDERGROUND
GRIDS: 1740
FEEDER: BFSS 612

J:\DESIGN\E18\13854

W.O. NO.:
C.W.P. REF. NO.: E1813854

SHEET ____ OF ____