PROJECT INTENT

SCOPE OF WORK IS INTENDED TO REMOVE WSU OWNED ELECTRICAL SUPPLY TO DODGEN RESEARCH FACILITY AND REPLACE WITH ELECTRICAL SUPPLY TO REMAIN UNDERGROUND FEEDERS TO THE INTRAMURAL FIELD LIGHTING.

SHUTDOWN NOTIFICATION

NOTIFY WSU PROJECT MANAGER BRIAN FUNKE (509) 335-4209, BFUNKE@WSU.EDU TO SCHEDULE ANY AND ALL ELECTRICAL OUTAGES NEEDED TO PERFORM THE WORK. GIVE A MINIMUM OF 2 WEEKS ADVANCE NOTICE. COORDINATE WITH WSU. ALL WORK IS TO BE PERFORMED SO AS TO MINIMIZE OUTAGE DURATION. WORK AS POSSIBLE AND PRACTICAL, MAKE NEW INSTALLATIONS AND PREP FOR CUTOVER TO NEW INSTALLATIONS PRIOR TO DEMOLITION WORK.

OVERHEAD LINE WORK DESIGN

CONTRACTOR IS TO PROVIDE OVERHEAD LINE WORK DESIGN STAMPED AND SIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF WASHINGTON. DRAWINGS TO INDICATE REMOVAL OF POLES, LINES, GUYS, ETC., AS INDICATED ON THESE PLANS. DRAWINGS TO SHOW OR 적절한 정보가 제공되는 경우 대한 설치물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다. 또한, 현재 시설물 또는 구조물의 위치, 크기 등에 대한 정보를 포함해야 합니다.
EXISTING POLE TO BE MODIFIED AS NEW DEAD END. RE-GUY AS NEEDED.

EXISTING AVISTA VAULT V-4 WITH EXISTING 15kV SWITCHGEAR.

EXISTING AVISTA VAULT V-5.

EXISTING AVISTA VAULT V-6.

EXISTING AVISTA VAULT V-7, NEW AVISTA JUNCTION ENCLOSURE, NEW AVISTA TRANSFORMER, AND FUTURE WSU GENERATOR.

EXISTING UNDERGROUND AVISTA DUCTBANK. AVISTA TO PULL IN NEW CABLING, SHOWN FOR REFERENCE ONLY.

EXISTING UNDERGROUND HOLDING TANK. DO NOT DISTURB.

UTILITY TRANSFORMER IS AVISTA SUPPLIED AND INSTALLED. CONCRETE Pad IS BY CONTRACTOR. GROUND SLEEVES (INCLUDING FOR JUNCTION ENCLOSURE) ARE AVISTA SUPPLIED/CONTRACTOR INSTALLED. ALL CONDUITS ARE BY CONTRACTOR. SECONDARY CONDUITS ARE BY CONTRACTOR. PRIMARY CONDUITS ARE BY AVISTA. AVISTA COSTS ARE BORN BY OWNER, NOT CONTRACTOR. AVISTA SUPPLIES ALL MV CABLE AND TERMINATIONS IN AVISTA UTILITIES. CONTRACTOR TO LEAVE SUFFICIENT SLACK (AT NEW TRANSFORMER SECONDARY). CONTRACTOR IS REQUIRED TO COORDINATE WITH AVISTA. SEAL ALL CONDUITS AT BOTH ENDS WITH WATER TIGHT SEALANT. CONTRACTOR IS REQUIRED TO REVIEW AVISTA STANDARDS AND COMPLY. REFERENCE CIVIL FOR PAD DETAILS. JUNCTION ENCLOSURE IS AVISTA SUPPLIED AND INSTALLED; ALL CONDUITS ARE BY CONTRACTOR. ALL 13.2kV WIRING IS BY AVISTA. USE 24" SWEEPS FOR UTILITY CONDUIT BENDS. COORDINATE OPERATING SIDE ORIENTATION OF TRANSFORMER AND PRIMARY JUNCTION ENCLOSURE WITH AVISTA.

NOTE: SIZE, DIMENSIONS, AND LOCATION OF ATS JBOX AND GENERATOR JBOX ARE TO COORDINATE WITH CMS AND NEW BUILDING LAYOUT. TRANSFORMER IS AVISTA SUPPLIED AND INSTALLED. CONTRACTOR TO CONNECT TRANSFORMER TO PRIMARY JUNCTION ENCLOSURE. ALL CONDUITS ARE TO BE ENCLOSED IN CONCRETE BASEBOARD OR IN CONCRETE EMBRACE AS REQUIRED TO RESIST CORROSION AND FIELD CONDITIONS.

DIVISION OF LABOR

ELECTRICAL SITE PLAN CONSTRUCTION

1. EXISTING PILES TO BE MODIFIED AS NEW BASE BND - REDRAW AS NEEDED.
2. CHAINING LINES TO OTHER POLLS EXISTING TO REMAIN.
3. REMOVING EXISTING TRANSFORMER EVALUATION.
4. REMOVING GENERATOR JBOX & ATV EVALUATION.
5. REMOVING EXISTING VAULT V-4.
6. REMOVING EXISTING VAULT V-5.
7. REMOVING EXISTING VAULT V-6.
8. REMOVING EXISTING VAULT V-7.

ELECTRICAL SITE PLAN CONSTRUCTION NOTES

- REMOVE AND REPLACE CONCRETE SIDEWALK AS NEEDED, REFERENCE CIVIL.
- NEW 6" HOUSEKEEPING PAD EXTENDED 6" BEYOND ATS.
- NEW 24" X 24" X 24" METER JBOX.
- 24" X 24" X 24" METER JBOX TO BLDG BUS DUCT.
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DODGEN ELECTRICAL SERVICE DEMO

EXISTING UNDERGROUND PRIMARY TO POWER POLE. REMOVE PRIMARY TO POLE TO LATER FOR UNDERGROUND CONDUIT TO FALL IN PLACE. SEE PLAN FOR UG BURIAL DEPTH.

AFTER REMOVAL OF POLE PRIMARY, REMOVE BOX CT'S. CUT SURFACE TRANSFORMER BANK EA9-T16, GROUND RODS, AND LINEMAN TO ASSURE SAFETY. NO OTHER EQUIPMENT OR COMPONENTS ASSOCIATED WITH THE ELECTRICAL SYSTEM TO THE PRIMARY BOX. BUS DUCT AND CT'S ARE SUBMITTED TO REMAIN. PERMIT CONTENTS TO BE RECHECKED PRIOR TO DEMOLITION.

NOTE: REMOVE METER AND ASSOCIATED CT'S, WIRE, AND CONDUIT (CT'S LOCATED ON TRANSFORMER FREE AIR SECONDARY AS WELL AS AUTOMATIC.

DODGEN ELECTRICAL SERVICE CONSTRUCTION

ROOM 115T LOCATION

NOTE: 12 MONTH PEAK DEMAND ON SERVICE ENTRANCE RATED AUTOMATIC TRANSFER SWITCH TO ALSO SERVE AS MAIN BUILDING DISCONNECT.

WSU 5K DISTRIBUTION

ELECTRICAL SERVICE DEMOLITION AND CONSTRUCTION PLANS

E301
WSU 5kV DISTRIBUTION

DODGEN FEEDER EA-A AVISTA CHANGEOUT

0732C

NOTES:

1. PORTLAND CEMENT CONCRETE SHALL BE CLASS 3000 CONFORMING TO THE STANDARD SPECIFICATIONS.
2. WEAKENED PLANE JOINTS FOR PORTLAND CEMENT CONCRETE SHALL BE PLACED AT 15' INTERVALS.
3. 3/8" EXPANSION JOINTS IN PORTLAND CEMENT CONCRETE SHALL BE PLACED AT CURB RETURNS.
4. CURBS SHALL HAVE A LIGHT BROOMED FINISH. GUTTERS SHALL BE FINISHED WITH A STEEL TROWEL.

DODGEN RESEARCH FACILITY

PH 509-335-5571 Facilities Services
2425 E. Grimes Way FAX 509-335-9304
Pullman, Wa. 99164-1150

SITE PLAN

SCALE: 1" = 10'-0"

1. Excavate existing pavement and restore per detail 2, this sheet
2. Remove and replace existing sidewalk per detail 4, this sheet
3. Remove and replace existing curb per detail 1, this sheet
4. AVISTA 13.2kV Junction Enclosure, 36E Electrical
5. AVISTA 13.2kV - 208Y/120V Transformer, 36E Electrical
6. Existing AVISTA 13.2kV Underground Vault
7. Electrical conduit from buildings to transformer pads
8. WSU Generator (Future)
9. Site Plan
10. Contractor to core into existing AVISTA vault. Coordinate with AVISTA for primary conduit entry location.

SAWCUT EXISTING PAVEMENT AND RESTORE PER DETAIL 2, THIS SHEET
REMOVE AND REPLACE EXISTING SIDEWALK PER DETAIL 4, THIS SHEET
REMOVE AND REPLACE EXISTING CURB PER DETAIL 1, THIS SHEET
AVISTA 13.2kV JUNCTION ENCLOSURE, 36E ELECTRICAL
AVISTA 13.2kV - 208Y/120V TRANSFORMER, 36E ELECTRICAL
EXISTING AVISTA 13.2 kV UNDERGROUND VAULT
ELECTRICAL CONDUIT FROM BUILDINGS TO TRANSFORMER PADS
WSU GENERATOR (FUTURE)
REPAIR TO DETAIL 1 ON E10 FOR CORE DRILLING AND ENTRY LOCATIONS FOR CONDUITS
CONTRACTOR TO CORE INTO EXISTING AVISTA VAULT. COORDINATE WITH AVISTA FOR PRIMARY CONDUIT ENTRY LOCATION.

NOTE: SEE AVISTA 2019 ELECTRIC SERVICE REQUIREMENTS PAGE 66 FOR NOTES ON CONCRETE PAD.

CONTRACTOR TO CALL FOR LOCATE PRIOR TO EXCAVATION OF ANY KIND.

FIELD VERIFY CROSSING LINES DEPTHS. (3) SEWER (1) STORM

SCALE: 1" = 10'

NOTES:
- CONTRACTOR TO PROVIDE AN OPEN CONTINUOUS EXPLORATORY TRENCH WHERE NEW UG ELECTRICAL CONDUITS ARE SHOWN TO BE INSTALLED BY MEANS OF HYDRO EXCAVATION IN CONFIRMING AND EXPOSING THE LOCATIONS OF ALL UG UTILITIES PRIOR TO DIGGING WITH HEAVY DIGGING EQUIPMENT.
- PRIOR TO DIGGING, CONFIRM LAYOUT OF SWGR WITH WSU AND AVISTA.

NOTE: SEE AVISTA 2019 ELECTRIC SERVICE REQUIREMENTS PAGE 66 FOR NOTES ON CONCRETE PAD.

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PORTLAND CEMENT CONCRETE
ROADWAY BASE MATERIAL, DEPTH VARIES, SEE TYP. ROAD SECTION
ROADWAY ABNB MATERIAL, DEPTH VARIES, SEE TYP. ROAD SECTION

CONCRETE CURB TYPE "A", SEE DETAIL AT LEFT
ROADWAY
BASE MATERIAL, DEPTH VARIES

CONCRETE CURB TYPE "A", SEE DETAIL AT LEFT
ROADWAY
BASE MATERIAL, DEPTH VARIES

PORTLAND CEMENT CONCRETE
ROADWAY BASE MATERIAL, DEPTH VARIES

CONCRETE CURB TYPE "A", SEE DETAIL AT LEFT
ROADWAY
BASE MATERIAL, DEPTH VARIES

PORTLAND CEMENT CONCRETE
ROADWAY BASE MATERIAL, DEPTH VARIES

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