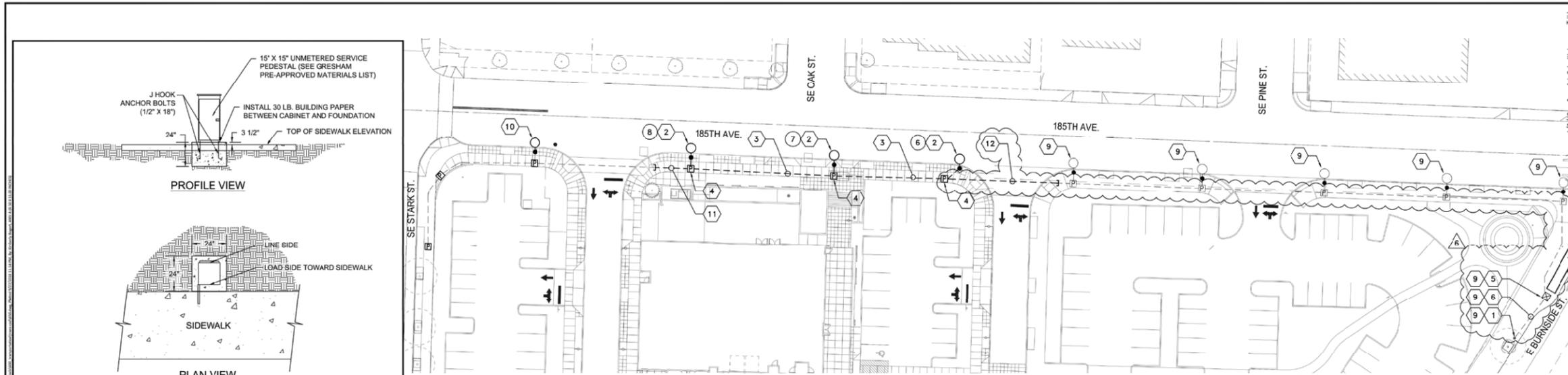


CIVIL PUBLIC WORKS - STREET LIGHTING



1 PUBLIC WORKS - STREET LIGHT PLAN
SCALE: 1" = 30'

NOTES:

- A SERVICE INSTALLATION REQUIRES TWO GROUND RODS SPACED A MINIMUM OF 6 FEET APART. ONE GROUND ROD MAY BE INSTALLED THROUGH THE CABINET FOUNDATION.
- EXTEND CONDUIT ENDS MINIMUM 2" AND MAXIMUM 3" ABOVE TOP OF CABINET FOUNDATION.
- FOUNDATIONS AND GROUND ROD JUNCTION BOXES MUST BE INSTALLED WITHIN CITY RIGHT OF WAY OR WITHIN A GENERAL UTILITY EASEMENT.

DATE: JAN 2019
DRAWN: JG
APPROVED: [Signature]
DWG. NO. 650

| POLE NO. | LUMINAIRE LABEL | STATION* | OFFSET* | HEIGHT |
|----------|------------------|----------|------------|--------|
| 1 | 60W LED TYPE III | 16+73.90 | 20.75' RT. | 18 FT |
| 2 | 60W LED TYPE III | 16+08.68 | 20.75' RT. | 18 FT |
| 3 | 60W LED TYPE III | 15+42.16 | 20.75' RT. | 18 FT |
| 4 | 60W LED TYPE III | 14+69.75 | 20.75' RT. | 18 FT |
| 5 | 60W LED TYPE III | 14+00.94 | 20.75' RT. | 18 FT |
| 6 | 60W LED TYPE III | 13+34.00 | 20.75' RT. | 18 FT |
| 7 | 60W LED TYPE III | 12+66.04 | 20.75' RT. | 18 FT |
| 8 | 60W LED TYPE III | 11+75.54 | 20.75' RT. | 18 FT |
| 9 | 60W LED TYPE III | 11+00.41 | 20.75' RT. | 18 FT |

STREET LIGHTING LOAD SUMMARY

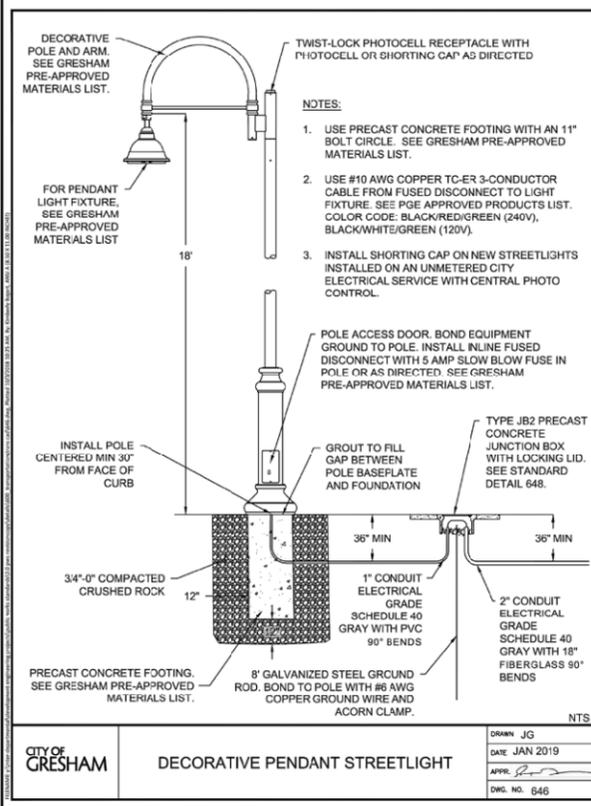
| CIRCUIT | LOAD (VA) | CODE FACTOR | CODE LOAD (VA) |
|------------------|------------|-------------|----------------|
| LIGHTING PHASE 1 | 67 | X 1.25 | 84 |
| LIGHTING PHASE 2 | 201 | X 1.25 | 251 |
| LIGHTING PHASE 3 | 335 | X 1.25 | 419 |
| TOTAL | 603 | | 754 |

GENERAL NOTES:

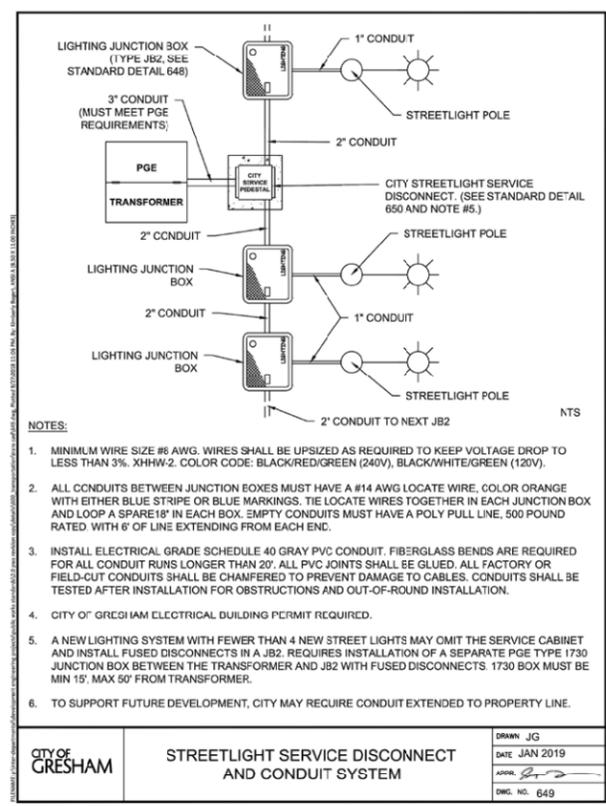
- WITH FULL BUILD OUT OF ALL THREE PHASES, POWER SOURCE TO BE DERIVED FROM A PGE POLE ON E BURNSIDE ST (SEE KEYED NOTE 1). PHASE 1 AND 2 LIGHTS WILL TEMPORARILY BE POWERED FROM THE CITY'S LIGHTING CIRCUIT ON STARK.
- DETAILS AND NOTES MAKE REFERENCE TO CITY OF GRESHAM STANDARD DETAILS, APPROVED MATERIALS LIST, AND SPECIFICATIONS. CONTRACTOR SHALL REVIEW AND BECOME FAMILIAR WITH THESE DETAILS PRIOR TO BID.

KEYED NOTES:

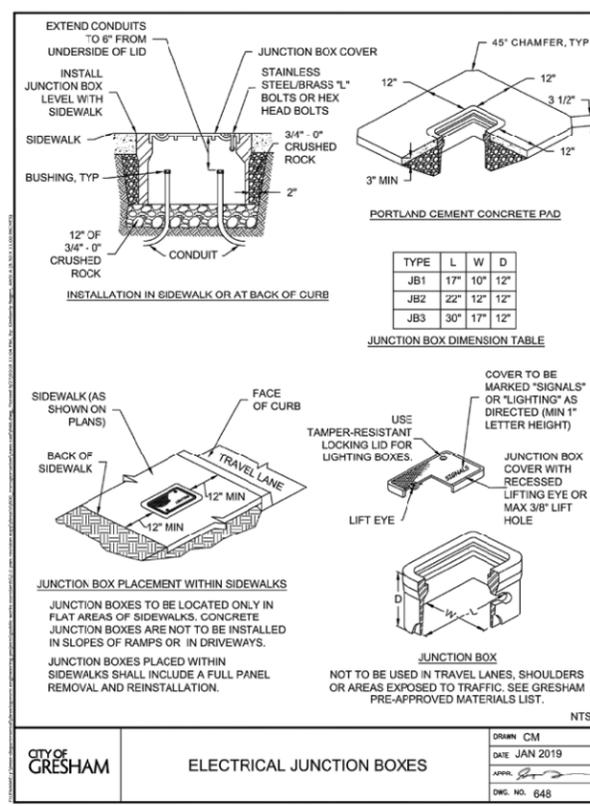
- PROVIDE NEW 3 INCH SCHEDULE 40 PVC CONDUIT RISER ON EXISTING POLE.
- PROVIDE NEW DECORATIVE TYPE POLE AND STREET LIGHT AT 18 FOOT MOUNTING HEIGHT (SEE LIGHTING STANDARD DETAILS, THIS SHEET). STREET LIGHT SHALL BE 60W LED, 120 VOLT, FLAT GLASS, TYPE III DISTRIBUTION, (REFER TO LUMINAIRE TABLE THIS SHEET).
- PROVIDE 2 INCH SCHEDULE 40 PVC CONDUIT, WITH XHHW-2 (2) #8 & (1) #8 GND. COLOR CODE BLACK/RED/GREEN. (1) #14 AWG LOCATE WIRE WITH ORANGE SHEATH WITH BLUE MARKING OR STRIPE. CONDUIT TO BE EXTENDED FROM CONTROLLER TO NE CORNER OF STARK/185TH. CONDUIT TO SHARE SAME TRENCH AS THE SIGNAL INTERCONNECT CONDUIT.
- PROVIDE TYPE 2 JUNCTION BOX, PER CITY OF GRESHAM STANDARDS. (CONDUIT DETAILS, THIS SHEET).
- PROVIDE NEW SERVICE PEDESTAL PER CITY OF GRESHAM STANDARDS. (STREETLIGHT SERVICE PEDESTAL, THIS SHEET).
- PROVIDE 3 INCH SCHEDULE 40 PVC CONDUIT FROM NEW CONDUIT RISER TO NEW SERVICE PEDESTAL.
- PROVIDE 2 INCH SCHEDULE 40 PVC CONDUIT, WITH #14 AWG LOCATE WIRE WITH ORANGE SHEATH WITH BLUE MARKING OR STRIPE AND 500 POUND RATED POLY PULL LINE. INSTALL PER CITY OF GRESHAM STANDARDS. (CONDUIT DETAILS, THIS SHEET).
- PROVIDE TYPE 2 JUNCTION BOX, PER CITY OF GRESHAM STANDARDS. (CONDUIT DETAILS, THIS SHEET). JB2 TO BE INSTALLED IN LAST PANEL OF S/W PROPOSED IN THE PUBLIC EASEMENT, TO BE GRANTED BY GDC.
- POLES INDICATED AND ASSOCIATED CONDUIT, WIRING, JUNCTION BOXES AND OTHER PERTINENT INFRASTRUCTURE TO BE INSTALLED UNDER FUTURE PHASES.
- POLES INDICATED AND ASSOCIATED CONDUIT, WIRING, JUNCTION BOXES AND OTHER PERTINENT INFRASTRUCTURE TO BE INSTALLED UNDER PHASE 1.
- INTERCEPT EXISTING 2 INCH SCHEDULE 40 PVC CONDUIT STUB OUT AND EXTEND CONDUIT TO NEW TYPE 2 JUNCTION BOX. PROVIDE XHHW-2 (2) #8 & (1) #8 GND. COLOR CODE BLACK/RED/GREEN. (1) #14 AWG LOCATE WIRE WITH ORANGE SHEATH WITH BLUE MARKING OR STRIPE.
- STUB OUT 2 INCH SCHEDULE 40 PVC CONDUIT FOR FUTURE PHASE. INCLUDE (1) #14 AWG LOCATE WIRE WITH ORANGE SHEATH WITH BLUE MARKING OR STRIPE.



DECORATIVE PENDANT STREETLIGHT
DATE: JAN 2019
DRAWN: JG
APPROVED: [Signature]
DWG. NO. 646



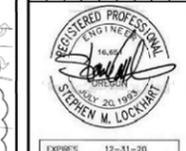
STREETLIGHT SERVICE DISCONNECT AND CONDUIT SYSTEM
DATE: JAN 2019
DRAWN: JG
APPROVED: [Signature]
DWG. NO. 649



ELECTRICAL JUNCTION BOXES
DATE: JAN 2019
DRAWN: CM
APPROVED: [Signature]
DWG. NO. 648

DATE: 4/2/19 0 1st Submittal

| DATE | NO. | REVISION | BY |
|---------|-----|---------------|-----|
| 1/24/19 | 3 | 3rd Submittal | TJH |
| 2/02/19 | 4 | 3rd Submittal | TJH |
| 6/19/19 | 5 | 4th Submittal | TJH |
| 6/27/19 | 6 | 5th Submittal | TJH |



SCALE: HORIZ: VERT: DATE: APRIL 2018 C.O.G. PROJECT #: 072654

| SECTION | TWP. | RANGE | LEGAL |
|---------|------|-------|-------|
| 1N | 3E | 32CC | |

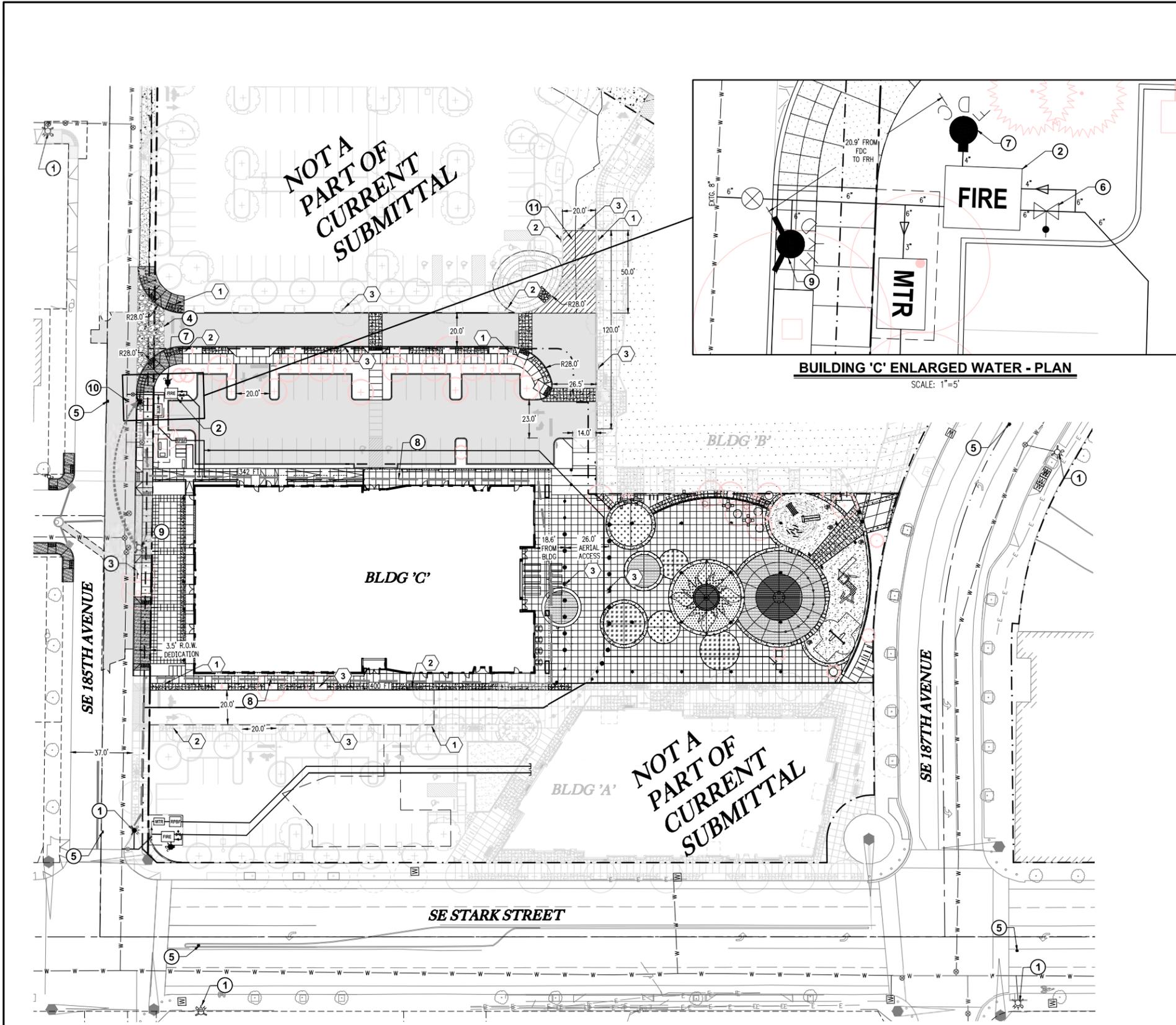
PROJECT NAME: ROCKWOOD RISING SOUTH PUBLIC IMPROVEMENTS
BUILDING A 18613-18685 SE STARK ST
BUILDING B 458 SE 185TH AVE
PORTLAND OR, 97233

CITY OF GRESHAM
DEPARTMENT OF ENVIRONMENTAL SERVICES
ENGINEERING DIVISION
1333 N.W. EASTMAN PARKWAY
GRESHAM, OREGON 97030-3625
(503) 618-2525



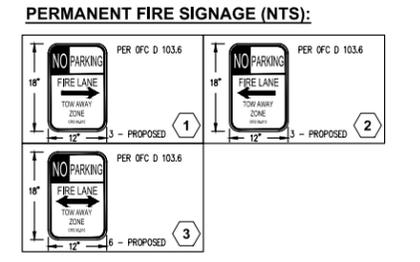
BP18-00001197

CIVIL FIRE ACCESS & WATER SUPPLY



- CONSTRUCTION NOTES:**
- EXISTING FIRE HYDRANT. CONTRACTOR TO CONFIRM HYDRANTS ARE EQUIPPED WITH STORZ QUICK ADAPTERS ON THE LARGE PORT PER OFC 507. MODEL OF ADAPTER REQUIRED IS "HARRINGTON HPH450-45NHWCAP". FIRE FLOW MEASURED AT 5800 GPM @ 20 PSI.
 - PROPOSED 6" DOUBLE CHECK DETECTOR ASSEMBLY AND FIRE DEPARTMENT CONNECTION PER ROCKWOOD WATER PUD DETAIL SD-35, SHEET 015.
 - INSTALL 6 INCH TEMPORARY ADDRESS PER OFC 505 AND 3301 AT CONSTRUCTION ENTRANCE PRIOR TO ANY CONSTRUCTION WORKERS OR MATERIALS ARE ALLOWED ONSITE.
 - CONSTRUCTION ENTRANCE
 - INSTALL BLUE REFLECTIVE MARKERS ADJACENT TO CENTERLINE ON SIDE OF FIRE HYDRANT
 - INSTALL POST INDICATOR VALVE WITH APPROVED ADDRESS SIGNAGE PER ROCKWOOD WATER PUD DETAIL SD-35A, SHEET 013.
 - INSTALL FIRE DEPARTMENT CONNECTION WITH APPROVED ADDRESS SIGNAGE PER ROCKWOOD WATER PUD DETAIL SD-35A, SHEET 015, AND "STORZ FIRE DEPARTMENT CONNECTION DETAIL - REMOTE", SHEET 015.
 - PATH AND DISTANCE FROM FIRE HYDRANT TO STRUCTURE (TYP.)
 - ROCKWOOD WATER P.U.D. TO RELOCATE EXISTING FIRE HYDRANT 88.0' TO THE NORTH OFF OF NEW FIRE LINE SYSTEM PER ROCKWOOD WATER PUD DETAIL SD-5, SHT 016
 - ROCKWOOD WATER PUD TO WET TAP EXISTING 8" WATER MAIN LOCATED IN SE 185TH AND CONNECT 6" FIRE AND DOMESTIC WATER SUPPLY
 - INSTALL TEMPORARY FIRE TURNAROUND. CONTRACTOR TO USE EXISTING ASPHALT AS MUCH AS POSSIBLE AND PLACE 1.0' OF 1"-0" COMPACTED AGGREGATE IN PLACE OF EXISTING SOIL. GRADES TO NOT EXCEED 5% ON TEMPORARY TURNAROUND.

- GENERAL FIRE NOTES:**
- REQUIRED FIRE FLOW:
BUILDING C: 1500 GPM BASED OFF BUILDINGS SQUARE FOOTAGE OF 38,740 SF. V-B CONSTRUCTION AND NFPA 13 SPRINKLER SYSTEM TYPE (OFC APP B TABLE B105.1)
- PERMANENT ADDRESSING OF BUILDING TO MEET GRESHAM FIRE ADDRESSING POLICY PER OFC 505.1
 - NFPA 13 SPRINKLERS TO BE INSTALLED WITHIN BUILDING 'C'. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
 - FIRE EXTINGUISHERS TO BE INSTALLED WITHIN BUILDING 'C'. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
 - FIRE ALARM TO BE INSTALLED WITHIN BUILDING 'C'. SEE ARCHITECTURAL DRAWINGS FOR DETAILS.
 - SEE ARCHITECTURAL DRAWINGS FOR FIRE APPARATUS LOCATIONS
 - FIRE DEPARTMENT ACCESS ROADS SHALL BE CONSTRUCTED AND MAINTAINED PRIOR TO AND DURING CONSTRUCTION PER OFC 1410



BACKFILL NOTE:
ALL PIPE BEDDING & BACKFILL FOR WATERLINES SHALL BE PER ROCKWOOD WATER PUD DETAIL SD-51, SHT 015. DISTRICT SHALL INSTALL TAP AND LINE UP TO VAULTS.

ROCKWOOD RISING SOUTH
TAX LOT 07904
TAX MAP 1N 3E 32CC
SW1/4 SW1/4 SEC.32 T.1N.R.3E.W.M
GRESHAM, OREGON

FIRE ACCESS AND WATER SUPPLY PLAN
CITY OF GRESHAM PROJECT # 072654

| NO. | DATE | DESCRIPTION |
|-----|----------|----------------------|
| 0 | 03/16/20 | 1ST DR SET SUBMITTAL |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |

EMERIO Design
6445 SW FALLBROOK PLACE, SUITE 100
BEAVER CREEK, OREGON 97005
TEL: (503) 646-8812
FAX: (503) 639-9592
www.emeriodesign.com



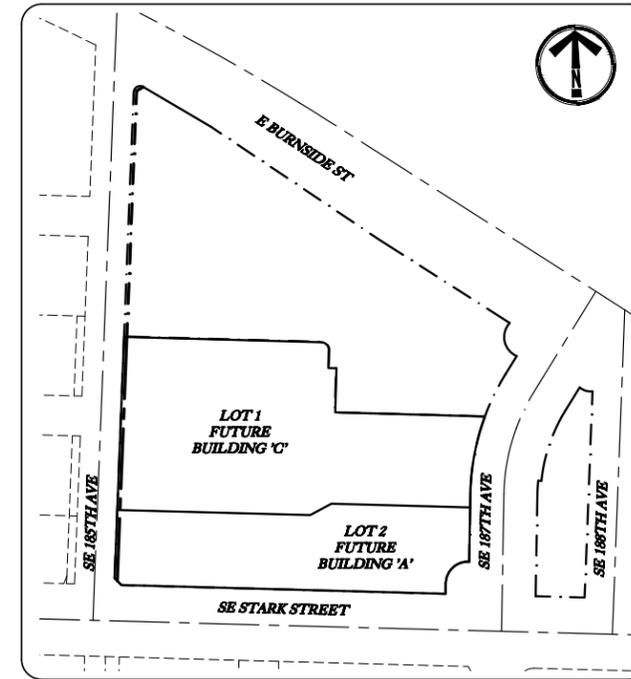
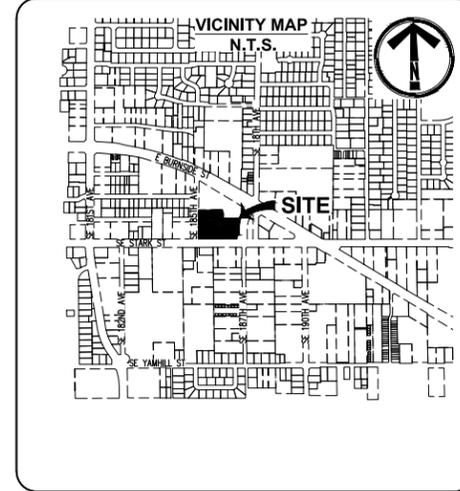
SHEET
019 OF
019

FILE:P:\203-005 Rockwood N\dwg\civil\Building C\203-005_019fire_Layout: 019 FIRE ACCESS AND WATER SUPPLY PLAN, Plot Date: 3/16/2020 3:13 PM, by: Tyler Korb

CIVIL EROSION CONTROL 1

ROCKWOOD RISING SOUTH

SITE DEVELOPMENT SW 1/4 SW 1/4 SECTION 32 T.1N R.3E. W.M.
CITY OF GRESHAM, OREGON



LOCATION MAP
SCALE: 1" = 100'

- HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS. (SCHEDULE A.8.C.I.(3))
- ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. (SCHEDULE A.12.B AND SCHEDULE B.1)
- INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SCHEDULE B.1.C AND B.2)
- RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, THE ABOVE RECORDS MUST BE RETAINED BY THE PERMIT REGISTRANT BUT DO NOT NEED TO BE AT THE CONSTRUCTION SITE. (SCHEDULE B.2.C)
- ALL PERMIT REGISTRANTS MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. (SCHEDULE A.8.C)
- THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SCHEDULE A.12.C.I)
- SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS ONLY UNDER SPECIFIC CONDITIONS. SUBMIT ALL NECESSARY REVISION TO DEQ OR AGENT WITHIN 10 DAYS. (SCHEDULE A.12.C.IV AND V)
- PHASE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (SCHEDULE A.7.A.II)
- IDENTIFY, MARK, AND PROTECT (BY FENCING OFF OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., WETLANDS), AND OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERIMETER AREAS. (SCHEDULE A.8.C.I.(1) & (2))
- PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED. (SCHEDULE A.7.A.V)
- MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FEET OF WATERS OF THE STATE. (SCHEDULE A.7.B.I. AND (2)(A)(B))
- INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE. (SCHEDULE A.8.C.I.(5))
- CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND STREAMBANKS. (SCHEDULE A.7.C)
- CONTROL SEDIMENT AS NEEDED ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL STORM DRAIN INLETS AT ALL TIMES DURING CONSTRUCTION, BOTH INTERNALLY AND AT THE SITE BOUNDARY. (SCHEDULE A.7.D.I)
- ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (SCHEDULE A.8.C.I.(6))
- APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATION MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS. (SCHEDULE A.8.C.I.(3))
- ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SCHEDULE A.8.C.I.(7))
- PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPs SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ON-SITE, OR USE AN EXIT TIRE WASH. THESE BMPs MUST BE IN PLACE PRIOR TO LAND-DISTURBING ACTIVITIES. (SCHEDULE A.7.D.II & A.8.C.I.(4))
- WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SCHEDULE A.7.D.II.(5))
- CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS. (SCHEDULE A.8)
- USE BMPs TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS, VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES; AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, FERTILIZERS, PESTICIDES, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. (SCHEDULE A.7.E.I.(2))
- IMPLEMENT THE FOLLOWING BMPs WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES, REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND STORAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES. (SCHEDULE A.7.E.II)
- USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SCHEDULE A.7.E.II)
- THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME-RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE. (SCHEDULE A.9.D)
- IF AN ACTIVE TREATMENT SYSTEM (FOR EXAMPLE, ELECTRO-COAGULATION, FLOCCULATION, FILTRATION, ETC.) FOR SEDIMENT OR OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMATIC, LOCATION OF SYSTEM, LOCATION OF INLET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OBTAIN PLAN APPROVAL BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SCHEDULE A.9.D)
- TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR. (SCHEDULE A.7.B)
- AS NEEDED BASED ON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMPs MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO SURFACE WATERS. (SCHEDULE A.7.E.II.(2))
- CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND BARE GROUND DURING WET WEATHER. (SCHEDULE A.7.E.II)
- SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. (SCHEDULE A.9.C.I)
- OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT, AND BEFORE BMP REMOVAL. (SCHEDULE A.9.C.II)
- CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF PROJECT. (SCHEDULE A.9.C.III & IV)
- WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DIVISION OF STATE LANDS REQUIRED TIMEFRAME. (SCHEDULE A.9.B.I)
- THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (SCHEDULE A.9.B.II)
- THE ENTIRE SITE MUST BE TEMPORARILY STABILIZED USING VEGETATION OR A HEAVY MULCH LAYER, TEMPORARY SEEDING, OR OTHER METHOD SHOULD ALL CONSTRUCTION ACTIVITIES CEASE FOR 30 DAYS OR MORE. (SCHEDULE 1.7.I.I)
- PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BLOWN STRAW AND A TACKIFIER, LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MULCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE (SCHEDULE A.7.F.II)
- DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED, ALL TEMPORARY EROSION CONTROLS AND RETAINED SOILS MUST BE REMOVED AND DISPOSED OF PROPERLY, UNLESS DOING SO CONFLICTS WITH LOCAL REQUIREMENTS. (SCHEDULE A.8.C.II.(1) AND D.3.II AND III)

BMP MATRIX FOR CONSTRUCTION PHASES

| | CLEARING | MASS GRADING | UTILITY INSTALLATION | STREET CONSTRUCTION | FINAL STABILIZATION | WET WEATHER (OCT. 1 - MAY 31) |
|--|----------|--------------|----------------------|---------------------|---------------------|-------------------------------|
| EROSION PREVENTION | | | | | | |
| PRESERVE NATURAL VEGETATION | X | X | X | X | X | X |
| GROUND COVER | | | | | X | X |
| HYDRAULIC APPLICATIONS (HYDRO-SEEDING) | | | | | X | |
| PLASTIC SHEETING | X | X | | | | X |
| MATTING | | | | | X | X |
| DUST CONTROL | X | X | X | X | X | X |
| TEMPORARY/ PERMANENT SEEDING | | | | | X | X |
| BUFFER ZONE | | | | | | |
| SEDIMENT CONTROL | | | | | | |
| SEDIMENT FENCE (PERIMETER) | ** X | X | X | X | X | X |
| SEDIMENT FENCE (INTERIOR) | ** X | X | X | X | X | X |
| INLET PROTECTION | ** X | X | X | X | X | X |
| STRAW MATS | ** X | X | X | X | | |
| FILTER BERM | | | | | | |
| DEMATERING | | | | | | |
| SEDIMENT TRAP | | | | | | |
| NATURAL BUFFER ENCROACHMENT | | | | | | |
| RUNOFF CONTROL | | | | | | |
| CONSTRUCTION ENTRANCE | ** X | X | X | X | | X |
| PIPE SLOPE DRAIN | | | | | | |
| OUTLET PROTECTION | ** X | X | X | X | | |
| SURFACE ROUGHENING | | | | | | |
| CHECK DAMS | | | | | | |
| POLLUTION PREVENTION | | | | | | |
| PROPER SIGNAGE | X | X | X | X | X | X |
| HAZ WASTE MGMT | X | X | X | X | X | X |
| SPILL KIT ON-SITE | X | X | X | X | X | X |
| CONCRETE WASHOUT AREA | X | X | X | X | X | X |

* SIGNIFIES BMP'S REQUIRED FOR WORK WITHIN 50' OF WATER OF THE STATE
**SIGNIFIES BMP THAT WILL BE INSTALLED PRIOR TO ANY GROUND DISTURBING ACTIVITY

NARRATIVE DESCRIPTIONS

EXISTING SITE CONDITIONS
- PARTIALLY DEVELOPED ABANDONED SITE AND PARKING LOT

DEVELOPED SITE CONDITIONS
- NEW COMMERCIAL AND RESIDENTIAL BUILDING WITH PARKING LOT

NATURE OF CONSTRUCTION ACTIVITY AND TIME TABLE FOR MAJOR ACTIVITIES
- CLEARING AND GRUBBING (JUNE 2018)
- MASS GRADING (EXCAVATION AND FILL) (JUNE 2018)
- STREET AND UTILITY CONSTRUCTION (JULY - OCTOBER 2018)
- FINAL STABILIZATION (OCTOBER - DECEMBER 2018)

TOTAL SITE AREA = 2.78 ACRES
TOTAL DISTURBED AREA ON-SITE = 2.78 ACRES
TOTAL LEFT UNDISTURBED = 0 ACRES
TOTAL DISTURBED AREA OFF-SITE = 11 ACRES

SITE SOIL CLASSIFICATION
- MULTINOMAH URBAN LAND COMPLEX, CLASS A4

ON-SITE SOILS HAVE A SLIGHT EROSION POTENTIAL. ALL FILL MATERIAL SHALL BE GENERATED ON-SITE FROM GRADING EXCAVATION AND UTILITY TRENCH SPOILS.

PROJECT LOCATION

HORIZONTAL: NAD 83/91 OREGON NORTH, INTERNATIONAL FEET
VERTICAL: NGVD 1929 CITY OF GRESHAM, US FEET

HORIZONTAL VALUES HELD FOR CITY OF GRESHAM POINTS 3109, 3110, 3119, 3120. RECORD ELEVATION HELD AT 3120.

PROPERTY DESCRIPTION

TAX LOTS 07903, TAX MAP 1N3E32C2

BOUNDED ON NORTH BY E BURNSIDE STREET, TO THE SOUTH BY SE STARK STREET, TO THE WEST SE 187TH AVE, AND TO THE EAST SE 188TH AVE.

THE VERTICAL DATUM FOR THIS SURVEY IS BASED UPON POST-PROCESSED GPS STATIC OBSERVATION OF INDEPENDENT CONTROL, PROCESSED THROUGH OPUS, DATUM IS NAVD 88, CONVERTED TO NGVD 29 THROUGH THE VERTCON PROCESS TOOL.

DRAWING INDEX

- EC1 - COVER SHEET
- EC2 - ON-SITE DEMOLITION & EROSION & SEDIMENT CONTROL - BLDG 'A'
- EC2A - ON-SITE DEMOLITION & EROSION & SEDIMENT CONTROL - BLDG 'C'
- EC3 - GRADING EROSION & SEDIMENT CONTROL PLAN - BLDG 'A'
- EC3A - GRADING EROSION & SEDIMENT CONTROL PLAN - BLDG 'C'
- EC4 - EROSION & SEDIMENT CONTROL DETAILS

NOTICE TO EXCAVATORS:
ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OUR 952-001-0010 THROUGH OUR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES FROM THE CENTER BY CALLING 503-232-1987. IF YOU HAVE ANY QUESTIONS ABOUT THE RULES, YOU MAY CONTACT THE CENTER. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS BEFORE COMMENCING AN EXCAVATION. CALL 503-246-6699.

POTENTIAL UNDERGROUND FACILITY OWNERS
Dig Safely.
Call the Oregon One-Call Center
DIAL 811 or 1-800-332-2344

EMERGENCY TELEPHONE NUMBERS
NW NATURAL GAS
M-F 7AM-6PM 503-226-4211 EXT. 4313
AFTER HOURS 503-226-4211
PGE 503-464-7777
CENTURY LINK 1-800-491-0118
FRONTIER 1-800-921-8101
CITY OF GRESHAM M-F 7AM-6PM 503-618-2626
AFTER HOURS 503-661-3996
ROCKWOOD WATER PUD 503-665-4179

APPLICANT:

CENTRAL BETHANY
15160 NW LAIDLAW RD
#108
PORTLAND, OR 97229
(503) 690-2800

ENGINEER

EMERIO DESIGN, LLC
6445 SW FALLBROOK PL
SUITE 100
BEAVERTON, OR 97008
ERIC EVANS, P.E.
(503) 746-8812

OWNER:

GRESHAM REDEVELOPMENT COMMISSION
1333 NW EASTMAN PKWY
GRESHAM, OR 97030
(503) 618-2545

PERMITEE'S SITE INSPECTOR

COMPANY/AGENCY:
PHONE:
E-MAIL:
NAME:
DESCRIPTION OF EXPERIENCE: 10+ YEARS OF EXPERIENCE IN CONSTRUCTION SITE WORK, MANAGEMENT, AND INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES.

SURVEYOR

DAVID EVANS & ASSOCIATES
2100 SW RIVER PKWY
PORTLAND, OR 97201
(503) 223-6663

INSPECTION FREQUENCY:

| SITE CONDITION | MINIMUM FREQUENCY |
|--|---|
| 1. ACTIVE PERIOD | DAILY WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM SNOW MELT, IS OCCURRING. AT LEAST ONCE EVERY FOURTEEN (14) CALENDAR DAYS REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING. |
| 2. PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE INACCESSIBILITY. | ONCE TO ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING ORDER. ANY NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING THE SITE. |
| 3. INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. | ONCE EVERY MONTH |
| 4. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER. | IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION. |
| 5. PERIODS DURING WHICH DISCHARGE IS UNLIKELY DUE TO FROZEN CONDITIONS. | MONTHLY, RESUME MONITORING IMMEDIATELY UPON MELT, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY. |

- HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS.
- ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS.
- INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS.
- RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, RETAIN THE ESCP AT THE CONSTRUCTION SITE OR AT ANOTHER LOCATION. (SCHEDULE B.2.C)

FILE:P:\203-005 Rockwood N\dwg\civ\Building C\203-005_esc1_Layout: EC1 1200C COVER SHEET, Plot Date: 3/16/2020 3:13 PM, by: Tyler Korb

ROCKWOOD RISING SOUTH
TAX LOT 07904
TAX MAP 1N 3E 32C
SW1/4 SW1/4 SEC.32 T.1N.R.3E.W.M
GRESHAM, OREGON

1200C COVER SHEET

| NO. | DATE | DESCRIPTION | 1ST DR SET SUBMITTAL |
|-----|----------|-------------|----------------------|
| 0 | 03/16/20 | | |
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |

EMERIO Design
6445 SW FALLBROOK PLACE, SUITE 100
BEAVERTON, OREGON 97008
TEL: (503) 746-8812
FAX: (503) 639-9582
www.emeriodesign.com



SHEET
EC1 OF EC4