

ROGERS PARK RESTROOM PROJECT

BID SET
JANUARY 16, 2019

PREPARED BY MIG, INC.
PROJECT NO. 40314.03



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SHEET INDEX

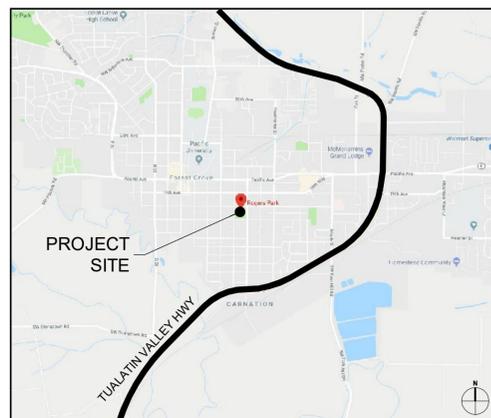
GENERAL
G1.0 EXISTING CONDITIONS PLAN
G2.0 OVERALL SITE PLAN

CIVIL
C1.0 CIVIL AND GRADING NOTES
C2.0 DEMOLITION, EROSION CONTROL, AND TREE PROTECTION PLAN
C3.0 GRADING, PAVING PLAN, AND STRIPING PLAN
C4.0 WATER SERVICE PLAN
C5.0 SANITARY PLAN
C5.1 SEWER PROFILE
C6.0 ECSP DETAILS
C6.1 PAVING AND SIGNAGE DETAILS
C6.2 PAVING DETAILS
C6.3 WATER SERVICE DETAILS
C6.4 SANITARY DETAILS

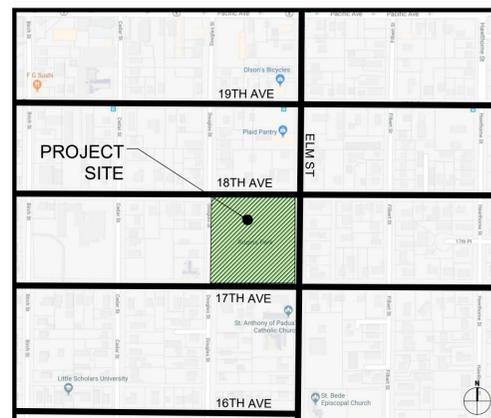
ELECTRICAL
E1.0 SITE PLAN - ELECTRICAL
E2.0 DETAILS - ELECTRICAL

LANDSCAPE
L1.0 MATERIALS PLAN
L2.0 LAYOUT PLAN - SITE GRID
L2.1 LAYOUT PLAN
L3.0 LANDSCAPE DETAILS

AREA MAP



VICINITY MAP



SITE ADDRESS: 2421 17TH AVENUE, FOREST GROVE, OR 97116

ABBREVIATIONS

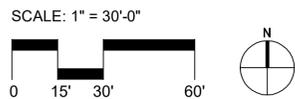
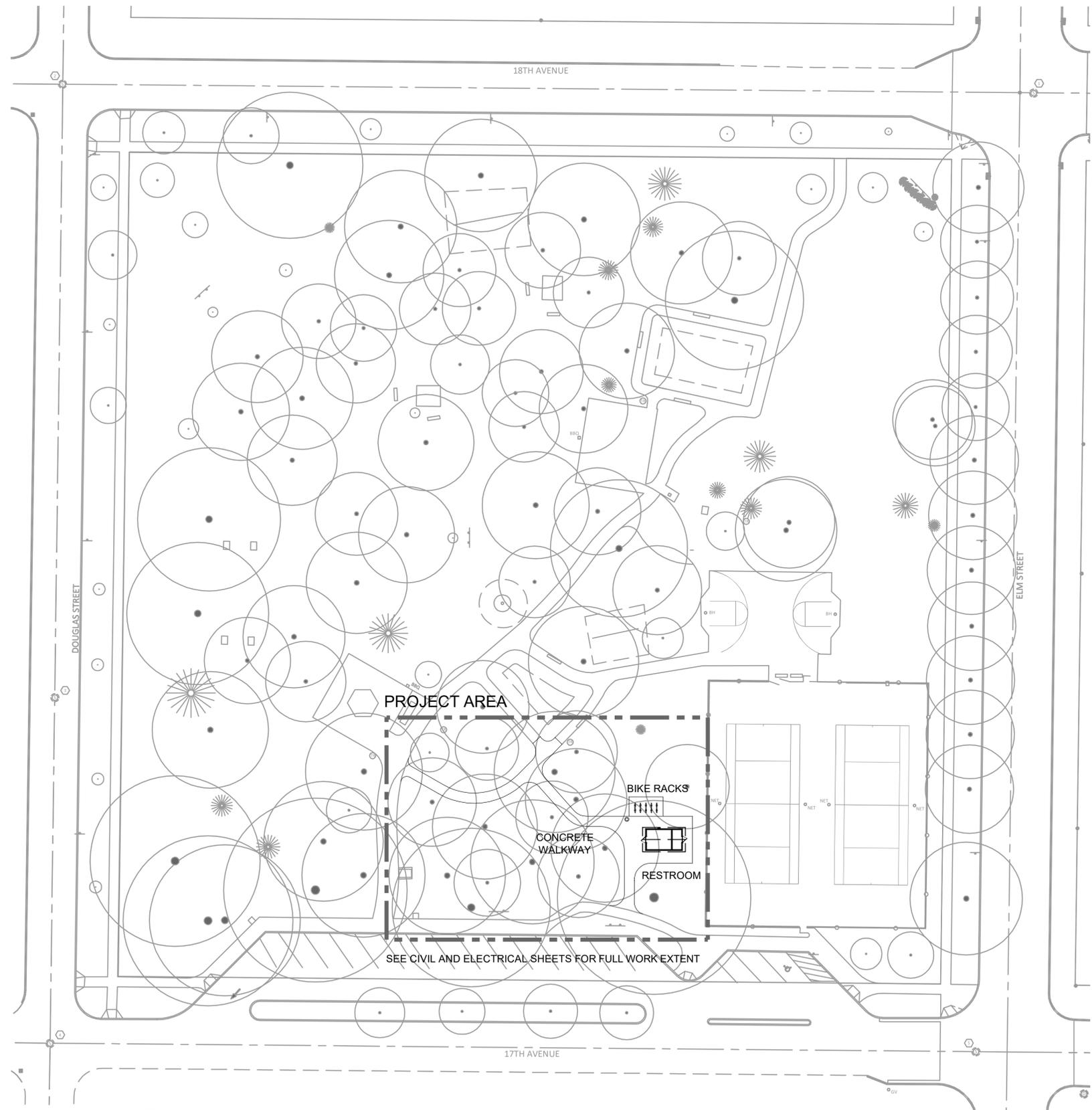
ARCH	ARCHITECTURAL
CONC	CONCRETE
CONT	CONTINUOUS
DIA	DIAMETER
DWG	DRAWINGS
EQ	EQUAL
F.S.	FINISH SURFACE
LA	LANDSCAPE ARCHITECT
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
#	NUMBER
NIC	NOT IN CONTRACT
O.C.	ON CENTER
PA	PLANTING AREA
REP	REPRESENTATIVE
REQ'D	REQUIRED
SIM	SIMILAR
SPECS	SPECIFICATIONS
SQ	SQUARE
TYP	TYPICAL
W/	WITH

NOTES

- THIS PLAN IS BASED ON A SURVEY BY KPFF CONSULTING ENGINEERS. CONTRACTOR TO VERIFY ALL SURVEY INFORMATION AND EXISTING UTILITIES PRIOR TO BEGINNING WORK. PRIOR TO INSTALLATION, NOTIFY LANDSCAPE ARCHITECT OF ANY SURVEY-RELATED DISCREPANCIES IDENTIFIED ON SITE.

LEGEND

-  LIMIT OF WORK
-  TREE TO REMAIN, SEE CIVIL SHEETS FOR PROTECTION
- BIKE RACK
-  TRASH RECEPTACLE



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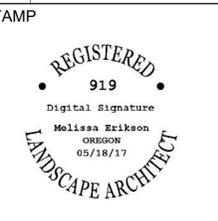


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SHEET TITLE
OVERALL SITE PLAN

SHEET NO.
G2.0

GENERAL NOTES

- UNLESS OTHERWISE INDICATED, ALL WORK SHALL CONFORM TO THE STANDARDS OF CITY OF FOREST GROVE AND CLEAN WATER SERVICES.
- A COPY OF THE APPROVED PLANS MUST BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED FOR WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
- PAVED SURFACES INCLUDING ROADWAYS, SIDEWALKS, AND CURBS THAT ARE DAMAGED BY NEW CONSTRUCTION IN PUBLIC RIGHT-OF-WAY SHALL BE REPAIRED AS REQUIRED BY THE CITY OF FOREST GROVE INSPECTOR.
- THE CONTRACTOR SHALL NOTIFY THE FIRE DEPARTMENT DISPATCHER TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL WATER SERVICE INTERRUPTIONS, HYDRANT SHUTOFFS, AND STREET CLOSURES OR OTHER ACCESS BLOCKAGE. THE CONTRACTOR SHALL ALSO NOTIFY THE DISPATCHER OF ALL NEW, RELOCATED, OR ELIMINATED HYDRANTS RESULTING FROM THIS WORK.
- ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN.
- THE CONTRACTOR SHALL LOCATE AND PROTECT ALL CASTINGS AND UTILITIES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL ADJUST ALL EXISTING MAINTENANCE HOLE RIMS, DRAINAGE STRUCTURE LIDS, VALVE BOXES, AND UTILITY ACCESS STRUCTURES TO FINISH GRADE WITHIN AREAS AFFECTED BY THE IMPROVEMENTS.
- THE CONTRACTOR SHALL PROVIDE FOR ALL COMPACTION TESTS REQUIRED BY THE CITY OF FOREST GROVE AND CLEAN WATER SERVICES INSPECTOR FOR WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
- BACKFILL MATERIAL USED IN PUBLIC RIGHT-OF-WAY SHALL MEET THE CITY OF FOREST GROVE AND CLEAN WATER SERVICES STANDARD SPECIFICATIONS.
- INSPECTION AND ACCEPTANCE OF ALL WORK IN PUBLIC STREET RIGHT-OF-WAY WILL BE ACCOMPLISHED BY REPRESENTATIVES OF THE CITY OF FOREST GROVE ENGINEERING DEPARTMENT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND SCHEDULE APPROPRIATE INSPECTIONS, ALLOWING PROPER ADVANCE NOTICE. THE INSPECTOR MAY REQUIRE RECONSTRUCTION OF ITEMS THAT DO NOT MEET AHJ STANDARDS OR THAT WERE CONSTRUCTED WITHOUT INSPECTION. ANY RECONSTRUCTION SHALL BE AT CONTRACTOR'S EXPENSE.
- CARE SHALL BE EXERCISED WHEN EXCAVATING NEAR ANY EXISTING UTILITY LINES AND/OR WITHIN TREE CRITICAL ROOT ZONES.

TREE PROTECTION

- ALL TREES ON SITE ARE TO REMAIN.
- PARK CONSTRUCTION REQUIRES WORK WITHIN TREE DRIPLINES AND UNDER TREE CANOPIES NEGATING THE EFFICACY OF TREE PROTECTION FENCING IN AREAS. NO STOCKPILING OF MATERIAL OR DEBRIS OR VEHICLE PARKING SHALL OCCUR UNDER EXISTING TREES REGARDLESS OF THE PRESENCE OF TREE PROTECTIVE FENCING.
- EXCAVATION UNDER TREES WILL REQUIRE HAND DIGGING NO TREE ROOTS GREATER THAN 4-INCHES IN WIDTH ARE TO BE CUT; IF DISCOVERED, CITY PROJECT MANAGER/ARBORIST IS TO BE CONSULTED IMMEDIATELY.
- IF TREE ROOTS MUST BE CUT, SHARP TOOLS WILL BE USED FOR CLEAN CUT.

**CITY OF FOREST GROVE AND CLEAN WATER SERVICES
EROSION PREVENTION AND SEDIMENT CONTROL**

- CONSTRUCTION EROSION CONTROL MEASURES MUST BE IN PLACE AND APPROVED BY CITY OF FOREST GROVE ENGINEERING INSPECTOR PRIOR TO ANY EARTH DISTURBANCE.
- NOT USED.
- ALL ECSP FACILITIES SHALL BE MAINTAINED IN CONFORMANCE WITH CLEAN WATER SERVICES CONSTRUCTION STANDARDS, CHAPTER 6.
- ANY SLOPE 2% OR GREATER MUST HAVE GROUND COVER PROTECTION MEASURES IN PLACE BY OCTOBER 1ST. GRASS SEED APPLICATION, EITHER BY HAND OR MECHANICAL HYDRO SEEDING, WILL NOT PROVIDE ADEQUATE GROUND COVER PROTECTION UNLESS MAXIMUM GERMINATION IS REACHED BY OCTOBER 1ST. IF SEEDING IS UNSUCCESSFUL, ADDITIONAL GROUND COVER MEASURES SUCH AS STRAW, YARD DEBRIS COMPOST, OR EROSION CONTROL BLANKETS MUST BE INSTALLED. ANY STOCKPILE OF GRAVEL OR SOIL MUST BE COVERED AT THE END OF THE WORKDAY AND AS SEVERE WEATHER APPROACHES.
- VISIBLE OR MEASURABLE EROSION, WHICH ENTERS, OR IS LIKELY TO ENTER, THE PUBLIC OR PRIVATE STORM AND SURFACE WATER SYSTEM OR OTHER PROPERTIES, IS HEREBY PROHIBITED, AND IS A VIOLATION OF THE RULES OF CLEAN WATER SERVICES, UNLESS AUTHORIZED BY A STATE OR FEDERAL PERMIT OR CERTIFICATION. THE OWNER OF THE PROPERTY, PERMITTEE UNDER A SITE DEVELOPMENT PERMIT, TOGETHER WITH ANY PERSON OR PERSONS, INCLUDING BUT NOT LIMITED TO THE CONTRACTOR OR THE ENGINEER CAUSING SUCH EROSION, SHALL BE HELD RESPONSIBLE FOR VIOLATION OF THESE RULES.
- UNLESS AUTHORIZED BY A STATE OR FEDERAL PERMIT OR CERTIFICATION, NO PERSON SHALL CREATE PHYSICAL EROSION BY DRAGGING, DROPPING, TRACKING, OR OTHERWISE PLACING OR DEPOSITING, OR PERMITTING TO BE DEPOSITED, MUD, DIRT, ROCK OR OTHER SUCH DEBRIS UPON A PUBLIC STREET OR INTO ANY PART OF THE PUBLIC STORM AND SURFACE WATER SYSTEM, OR ANY PART OF A PRIVATE STORM AND SURFACE WATER SYSTEM WHICH DRAINS OR CONNECTS TO THE PUBLIC STORM AND SURFACE WATER SYSTEM. ANY SUCH DEPOSIT OF MATERIAL SHALL BE IMMEDIATELY REMOVED USING HAND LABOR OR MECHANICAL MEANS. NO MATERIAL SHALL BE WASHED OR FLUSHED INTO ANY PART OF THE STORM AND SURFACE WATER SYSTEM UNTIL ALL MECHANICAL MEANS TO REMOVE THE DEBRIS HAVE BEEN EXHAUSTED AND PREVENTATIVE SEDIMENT FILTRATION IS IN PLACE. THE OWNER OF THE PROPERTY, PERMITTEE, UNDER A SITE DEVELOPMENT PERMIT, TOGETHER WITH ANY PERSON OR PERSONS, INCLUDING BUT NOT LIMITED TO THE CONTRACTOR OR THE ENGINEER WHO CAUSES SUCH EROSION, SHALL BE HELD RESPONSIBLE FOR VIOLATION OF THESE RULES.
- AN ECSP PLAN SHALL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 2 FOR ALL SITES WHERE AN EROSION CONTROL PERMIT IS REQUIRED.
- THE BEST MANAGEMENT PRACTICES (BMPS) PRESCRIBED IN DESIGN STANDARDS SUBSECTION 6.03 ARE THE APPROVED BMPS THAT SHALL BE USED TO MEET SUBSECTION 6.02.1. USE OF OTHER BMPS SHALL REQUIRE APPROVAL FROM THE DISTRICT OR CITY.
- THE MINIMUM BMPS REQUIRED SHALL INCLUDE ALL THE BASE MEASURES DESCRIBED IN DESIGN STANDARDS SUBSECTION 6.03.2 OF THE DESIGN STANDARDS. IN ADDITION, FOR SITES REQUIRING AN ECSP PLAN, THE ADDITIONAL BMPS DESCRIBED IN THE ECSP PLAN SHALL BE REQUIRED.
- DEPENDING ON SITE-SPECIFIC CONDITIONS, THE REQUIRED BASE MEASURES MAY BE
- INADEQUATE TO PREVENT EROSION AND CONTROL SEDIMENT DISCHARGES. IN THESE CASES, ADDITIONAL BMPS SHALL BE APPLIED TO THE SITE TO MEET THE REQUIREMENTS OF DESIGN STANDARDS SECTION 6.02.1.
- ON SITES WHERE VEGETATION AND GROUND COVER ARE REMOVED, VEGETATIVE GROUND COVER SHALL BE PLANTED AND ESTABLISHED BY OCTOBER 1 AND CONTINUE TO FUNCTION THROUGH MAY 31 OF THE FOLLOWING YEAR, OR AS APPROVED BY THE DISTRICT. IF GROUND COVER IS NOT ESTABLISHED BY OCTOBER 1, THE OPEN AREAS SHALL BE PROTECTED THROUGH MAY 31 OF THE FOLLOWING YEAR WITH STRAW MULCH, EROSION BLANKETS, OR OTHER METHODS APPROVED BY THE DISTRICT OR CITY.
- THE PERMITTEE SHALL MAINTAIN THE BMPS CONTAINED IN THE APPROVED ECSP PLAN TO CONTINUE TO BE EFFECTIVE DURING THE CONSTRUCTION PHASE, POST CONSTRUCTION PHASE, ESTABLISHMENT OF PERMANENT VEGETATION, OR ANY OTHER PERMITTED ACTIVITY. IF THE BMPS APPROVED IN AN ECSP PLAN ARE NOT EFFECTIVE OR SUFFICIENT AS DETERMINED BY THE DISTRICT OR CITY SITE INSPECTION, THE PERMITTEE SHALL SUBMIT A REVISED PLAN WITHIN THREE WORKING DAYS OF WRITTEN NOTIFICATION BY THE DISTRICT OR CITY. UPON APPROVAL OF THE REVISED PLAN BY THE DISTRICT OR CITY, THE PERMITTEE SHALL IMMEDIATELY IMPLEMENT THE ADDITIONAL BMPS INCLUDED IN THE REVISED PLAN. IN CASES WHERE EROSION IS LIKELY TO OCCUR, THE DISTRICT OR CITY MAY REQUIRE THE APPLICANT TO INSTALL INTERIM CONTROL MEASURES PRIOR TO SUBMITTAL AND/OR APPROVAL OF THE REVISED ECSP PLAN.
- TEMPORARY BMPS, SUCH AS SEDIMENT FENCES, SHALL BE REMOVED AFTER PERMANENT VEGETATION IS ESTABLISHED.

- WHEN EROSION OCCURS AND SEDIMENT IS DEPOSITED IN LOCATIONS WHERE IT CAN ENTER THE STORM AND SURFACE WATER SYSTEM, THE SEDIMENT SHALL BE IMMEDIATELY REMOVED USING HAND LABOR OR MECHANICAL MEANS. NO MATERIAL SHALL BE WASHED OR FLUSHED INTO ANY PART OF THE STORM AND SURFACE WATER SYSTEM UNTIL ALL MECHANICAL MEANS TO REMOVE THE DEBRIS HAVE BEEN EXHAUSTED AND PREVENTATIVE SEDIMENT FILTRATION, E.G., INLET PROTECTION, IS IN PLACE.
- TO THE DEGREE PRACTICABLE, EXISTING VEGETATION SHALL BE PROTECTED AND LEFT IN PLACE, IN ACCORDANCE WITH THE CLEARING LIMITS ON THE APPROVED ECSP PLAN.
- TREES SHALL NOT BE USED AS ANCHORS FOR STABILIZING WORKING EQUIPMENT.

SHEET INDEX

- C1.0 CIVIL AND GRADING NOTES
- C2.0 DEMOLITION, EROSION CONTROL AND TREE PROTECTION
- C3.0 GRADING, PAVING AND STRIPING PLAN
- C4.0 WATER SERVICE PLAN
- C5.0 SEWER PLAN
- C5.1 SEWER PROFILE
- C6.0 ECSP DETAILS
- C6.1 PAVING AND SIGNAGE DETAILS
- C6.2 PAVING DETAILS
- C6.3 WATER SERVICE DETAILS
- C6.4 SANITARY DETAILS



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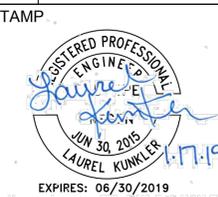


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SHEET TITLE
**CIVIL AND
GRADING
NOTES**

SHEET NO.
C1.0

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SHEET TITLE
DEMOLITION
EROSION
CONTROL &
TREE
PROTECTION

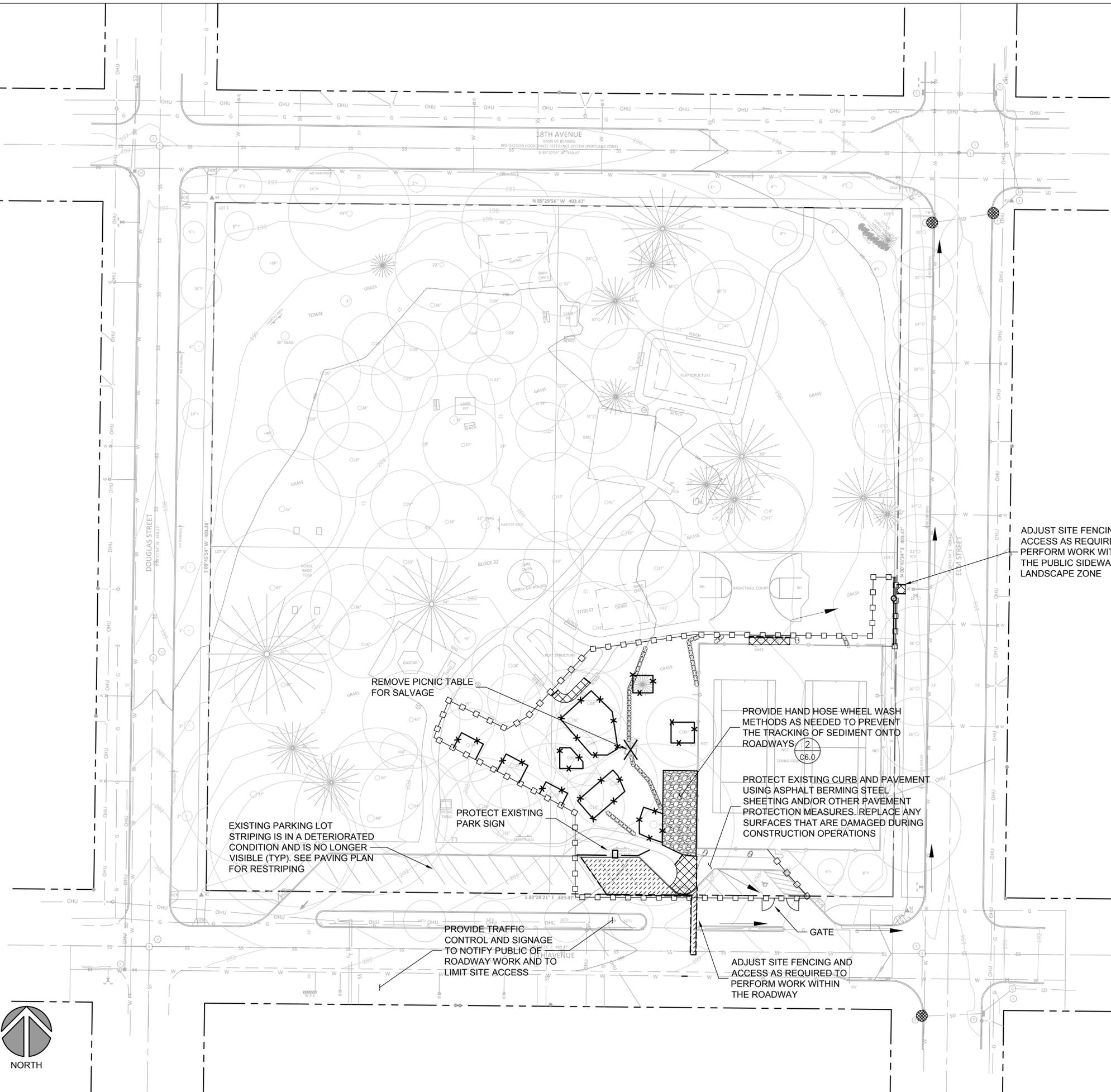
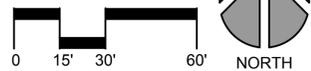
SHEET NO.
C2.0

ECSP AND DEMOLITION NOTES

1. SEE ECSP AND DEMOLITION NOTES ON NOTES SHEET C1.0.
2. PROTECT ALL EXISTING INFRASTRUCTURE NOT IDENTIFIED FOR REMOVAL.
3. CONTACT CITY OF FOREST GROVE PARKS DEPARTMENT FOR COORDINATION OF REMOVAL AND DELIVERY OF ITEMS IDENTIFIED FOR SALVAGE.
4. PROVIDE CATCH BASIN PROTECTION AT ALL INLETS CATCH BASINS AND AREA DRAINS IN THE FIRST INTERCEPTION PATH OF ANY/ALL CONSTRUCTION FLOWS.

LEGEND

- PROPERTY LINE
- CONSTRUCTION ENTRANCE AND TIRE WASH (1) C6.0
- CONSTRUCTION FENCE/GATE
- TREE PROTECTION
- SILT FENCE
- INLET PROTECTION (SEE NOTE 4) (4) C6.0
- STRAW WATTLE (5) C6.0
- SAWCUT
- ASPHALT REMOVAL
- CONCRETE REMOVAL
- WALL/CURB REMOVAL
- REMOVE/DEMOLISH ITEM AS NOTED
- EXISTING DIRECTION OF SURFACE FLOW



ADJUST SITE FENCING AND ACCESS AS REQUIRED TO PERFORM WORK WITHIN THE PUBLIC SIDEWALK AND LANDSCAPE ZONE

PROVIDE HAND HOSE WHEEL WASH METHODS AS NEEDED TO PREVENT THE TRACKING OF SEDIMENT ONTO ROADWAYS (2) C6.0

PROTECT EXISTING CURB AND PAVEMENT USING ASPHALT BERMING STEEL SHEETING AND/OR OTHER PAVEMENT PROTECTION MEASURES. REPLACE ANY SURFACES THAT ARE DAMAGED DURING CONSTRUCTION OPERATIONS

EXISTING PARKING LOT STRIPING IS IN A DETERIORATED CONDITION AND IS NO LONGER VISIBLE (TYP). SEE PAVING PLAN FOR RESTRIPIING

PROTECT EXISTING PARK SIGN

PROVIDE TRAFFIC CONTROL AND SIGNAGE TO NOTIFY PUBLIC OF ROADWAY WORK AND TO LIMIT SITE ACCESS

ADJUST SITE FENCING AND ACCESS AS REQUIRED TO PERFORM WORK WITHIN THE ROADWAY

REMOVE PICNIC TABLE FOR SALVAGE

GRADING, AND PAVING NOTES

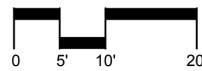
1. PRIOR TO ANY WORK INCLUDING GROUND DISTURBANCE, THE CONTRACTOR SHALL CONTACT THE CITY OF FOREST GROVE ENGINEERING DEPARTMENT TO SCHEDULE A PRE-CONSTRUCTION MEETING.
2. PRIOR TO ANY SITE CONSTRUCTION (WHICH INCLUDES CLEARING/LOGGING, DEMOLITION, OR GRADING THE SITE), CLEARING LIMITS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE CONTRACTOR'S SURVEYOR.
3. ALL EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF FOREST GROVE STANDARDS.
4. GRADING AND EXPOSED SOILS MUST BE STABILIZED PER CITY OF CITY OF FOREST GROVE AND CLEAN WATER SERVICES. SEE NOTES ON C1.0.
5. MATCH EXISTING GRADES AT EDGE CONDITIONS AND PROVIDE SMOOTH TRANSITION.
6. CONTRACTOR SHALL PERFORM ALL WORK WITHIN THE TREE PROTECTION ZONE/CRITICAL ROOT ZONE IN ACCORDANCE WITH SPECIFICATIONS AND TREE PROTECTION NOTES.
7. COORDINATE FINE GRADING FOR SURFACE DRAINAGE WITH LANDSCAPE INSTALLATION. FINE GRADING FOR SURFACE DRAINAGE SHALL OCCUR PRIOR TO PLANTING AND MULCHING. GRADE TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AT BOTH SUBGRADE AND FINISH GRADE.
8. FINISHED GRADING: FINE GRADE BEDS TO CONTOUR LINES AND GRADES SHOWN ON DRAWINGS, TO 1/4" BELOW THE LEVEL OF ADJACENT WALLS, WALKS AND CURBS UNLESS NOTED OTHERWISE. ALLOW ROOM IN PLANT BEDS FOR MULCH AND OTHER LANDSCAPE MATERIALS - COORDINATE DEPTH AND EXTEND WITH LANDSCAPING PLANS. FINE GRADE SOIL TO REMOVE ALL EXTRANEIOUS MATTER AND MAKE SMOOTH AND EVEN FINISH GRADE.

LEGEND

- PROPERTY LINE
- x---x---x--- TREE PROTECTION
- 310---309--- PROPOSED CONTOURS
- xxx.xx SPOT ELEVATION (SEE SHEET NOTE 1)
- x.x% SLOPE ARROW (SEE SHEET NOTE 1)
- xxx.xx± SPOT WHERE PROPOSED ELEVATION MEETS AN EXISTING CONDITION
- CONCRETE SIDEWALK (1) C6.2
- ASPHALT REPAIR (2) C6.3
- VEHICULAR CONCRETE PAVEMENT (1) C6.3
- CURB (1) C6.2
- PAINTED PAVEMENT MARKING
- 4" WHITE PAINTED STRIPE
- GRADE BREAK (SEE NOTES FOR PAVEMENT JOINT NOTES)

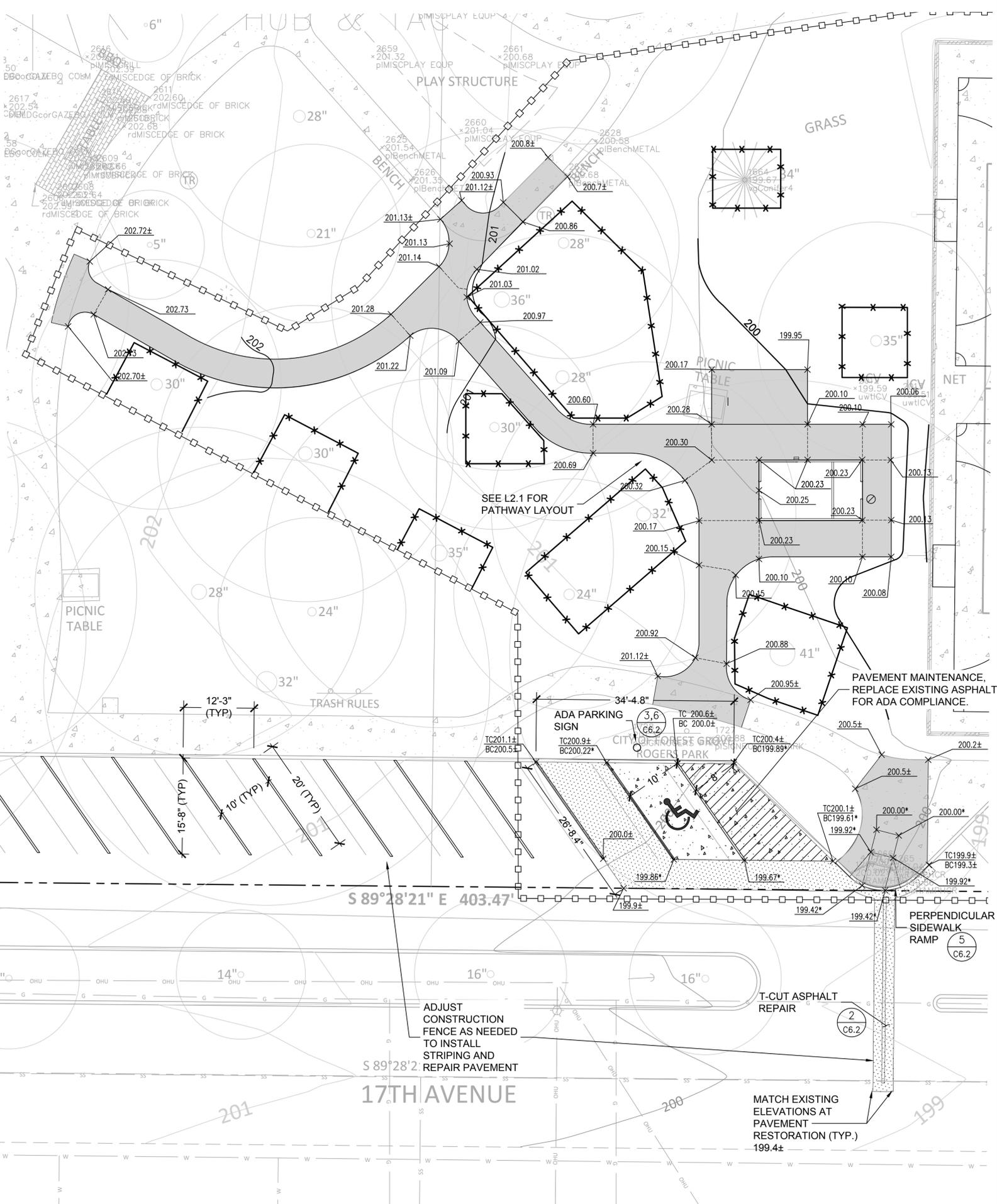
SHEET NOTES

1. ELEVATIONS AND SLOPES WITH SYMBOL * DESIGNATE ADA/BARRIER FREE GRADES. SLOPES SHALL NOT EXCEED 2% IN ANY DIRECTION.



PAVEMENT JOINT NOTES

1. STANDARD LOCATIONS FOR THROUGH JOINTS FOR SIDEWALKS ARE:
 - 1.1. TO SEPARATE CONCRETE DRIVEWAYS, CURB RAMPS AND THEIR LANDINGS FROM SIDEWALKS.
 - 1.2. AROUND THE VERTICAL BARREL OF FIRE HYDRANTS, AROUND UTILITY POLES AND LARGE DIAMETER UNDERGROUND UTILITY COVER CASTINGS WHEN LOCATED IN THE SIDEWALK AREA.
 - 1.3. LONGITUDINALLY BETWEEN CONCRETE WALKS, CURBS AND SOLID MASONRY OR CONCRETE WALLS WHERE THEY ABUT.
 - 1.4. TO MATCH AS NEARLY AS POSSIBLE THE THROUGH JOINTS IN THE ADJACENT PAVEMENT AND CURB WHEN SIDEWALK ABUTS CURB.
 - 1.5. PERPENDICULAR TO THE BUILDING FACES AT ALL BUILDING CORNERS.
2. TRANSVERSE CONTRACTION JOINTS MUST BE CONSTRUCTED WITH 3/8-INCH PREMOLDED JOINT FILLER 2 INCHES IN DEPTH, AND SET AT INTERVALS OF 15 FEET OR LESS. WHERE OBSTACLES OR SHORTENED SIDEWALK LENGTHS OR NON-REGULAR SHAPED SIDEWALKS ARE ENCOUNTERED. AT NO TIME MUST JOINT SPACING EXCEED 15 FEET.
3. THROUGH JOINTS AS SHOWN ON THE STANDARD PLANS MUST BE 3/8-INCH THICK PREMOLDED JOINT FILLER. THE JOINT FILLER WIDTH MUST BE CUT TO A WIDTH EQUAL TO THE FULL DEPTH OF THE CONCRETE SIDEWALK PLUS 1/2 INCH. WHEN INSTALLED, THE PREMOLDED JOINT FILLER MUST BE PLACED WITH TOP EDGE 1/8 INCH BELOW THE FINISHED SURFACE OF THE CONCRETE IN A PLANE PERPENDICULAR TO THE SURFACE AND WITH THE BOTTOM EDGE EMBEDDED IN THE SUBGRADE. ALL JOINTS MUST BE IN STRAIGHT ALIGNMENT, EXCEPT WHERE PLACED IN CURVED LOCATIONS AS REQUIRED BY THE DRAWINGS.
4. CONSTRUCTION JOINTS FOR SIDEWALKS MUST CONFORM TO THE APPLICABLE REQUIREMENTS FOR THROUGH JOINTS. CONSTRUCTION JOINTS FORMED BY PLACING A HEADER BOARD TRANSVERSELY ACROSS THE SUBGRADE MUST BE MADE AT THE END OF EACH DAY'S PAVING OR WHEN PLACING OF CONCRETE IS DISCONTINUED FOR MORE THAN 45 MINUTES. THE HEADER BOARD MUST BE LOCATED TO CONFORM TO THE SPACING FOR THE JOINTS AND MUST BE LEFT IN PLACE UNTIL THE PLACING IS RESUMED. THE HEADER MUST HAVE A STRIP OF PREMOLDED JOINT FILLER IMBEDDED AGAINST THE HARDENED CONCRETE WHEN PAVING IS RESUMED.



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GRADING, PAVING & STRIPING PLAN

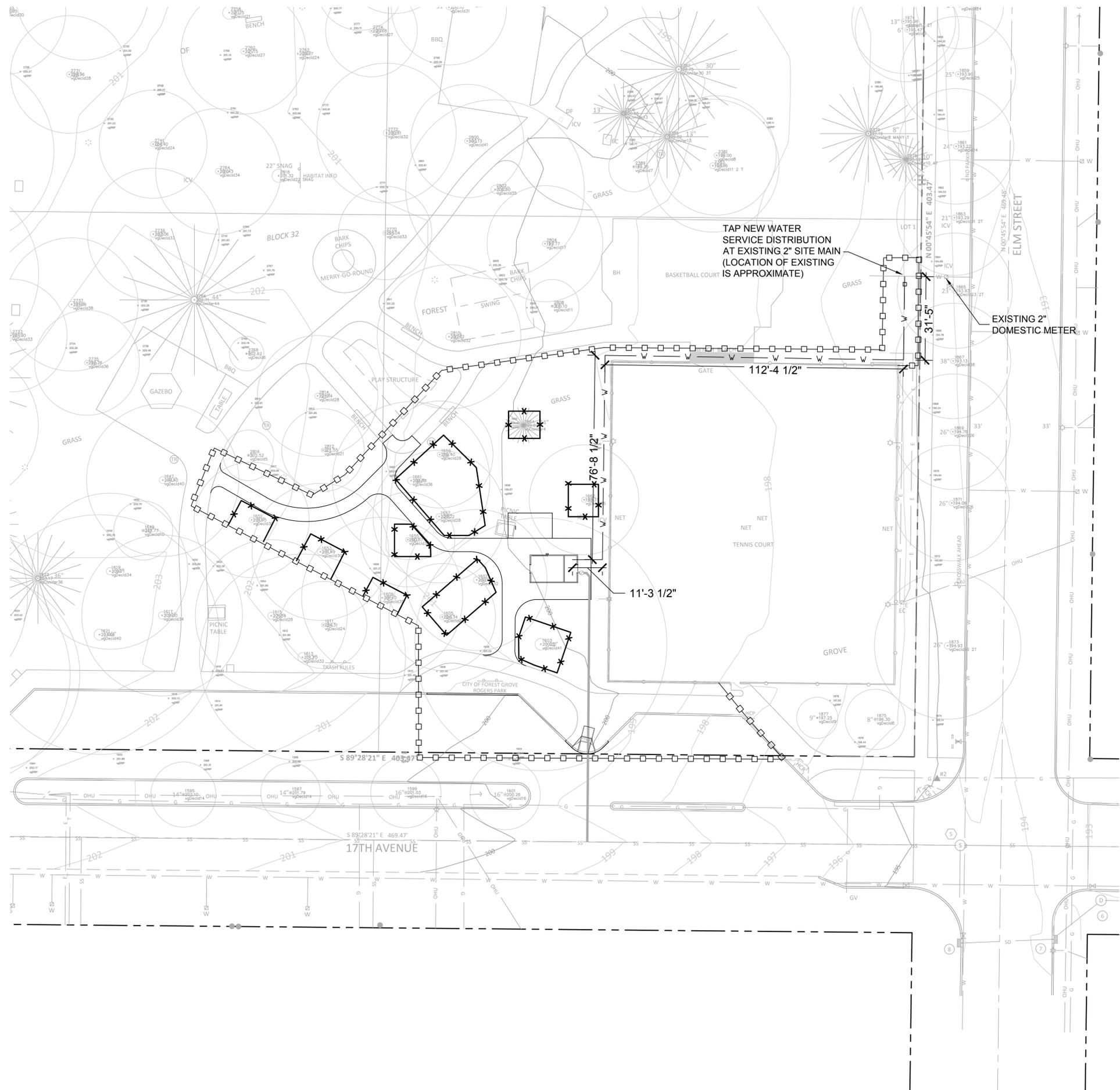
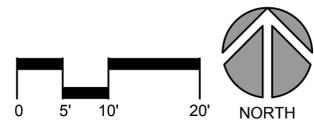
SHEET NO.
C3.0

WATER NOTES

1. ALL MATERIALS FOR WATER DISTRIBUTION SHALL BE NEW.
2. APPLY FOR AND PAY ALL FEES ASSOCIATED WITH OBTAINING NEW WATER SERVICES. COORDINATE WITH CITY OF FOREST GROVE ENGINEERING.
3. ALL WATER SERVICE PIPING ON PRIVATE PROPERTY MUST BE INSPECTED BY CITY OF FOREST GROVE ENGINEERING PRIOR TO BACKFILLING TRENCH.
4. COORDINATE CONNECTION OF FIRE AND WATER SERVICES WITH MECHANICAL PLANS. PROVIDE FITTINGS AS REQUIRED TO MAKE CONNECTIONS.
5. BEDDING FOR PIPES AND STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF FOREST GROVE STANDARDS AND SPECIFICATIONS.
6. WHERE A NEW PIPE CLEARS AN EXISTING OR NEW UTILITY BY 6" OR LESS, POLYETHYLENE PLASTIC FOAM SHALL BE PLACED AS A CUSHION BETWEEN THE UTILITIES.
7. PROVIDE FITTINGS AS REQUIRED TO CONNECT TO EXISTING UTILITIES IN RIGHT-OF-WAY.
8. PROVIDE SWEEPING TEES OR WYES AT ALL PIPE TO PIPE CONNECTION LOCATIONS.

LEGEND

- — — — — PROPERTY LINE
- * * * — TREE PROTECTION
- □ — □ — CONSTRUCTION FENCE
- W — W — 1-1/2' WATER SERVICE LINE



OWNER
CITY OF FOREST GROVE
1924 COUNCIL STREET
FOREST GROVE, OR 97116

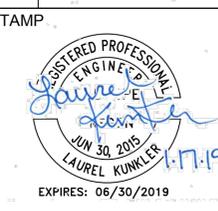


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CIVIL ENGINEERING /
IRRIGATION DESIGN
MIG, INC.
815 SE 2ND AVENUE, SUITE 200
PORTLAND, OR 97204

ELECTRICAL ENGINEERING
R&W ENGINEERING, INC.
9615 SW ALLEN BLVD., SUITE 107
BEAVERTON, OR 97005

ROGERS PARK
2421 17TH AVENUE
FOREST GROVE, OR 97116

DATE	REVISION



DATE
JANUARY 16, 2019

SUBMITTAL
BID SET

NOT FOR CONSTRUCTION

CHECKED BY	ME
DRAWN BY	CF/AM/LK
PROJECT NO.	30414

SHEET TITLE
WATER SERVICE PLAN

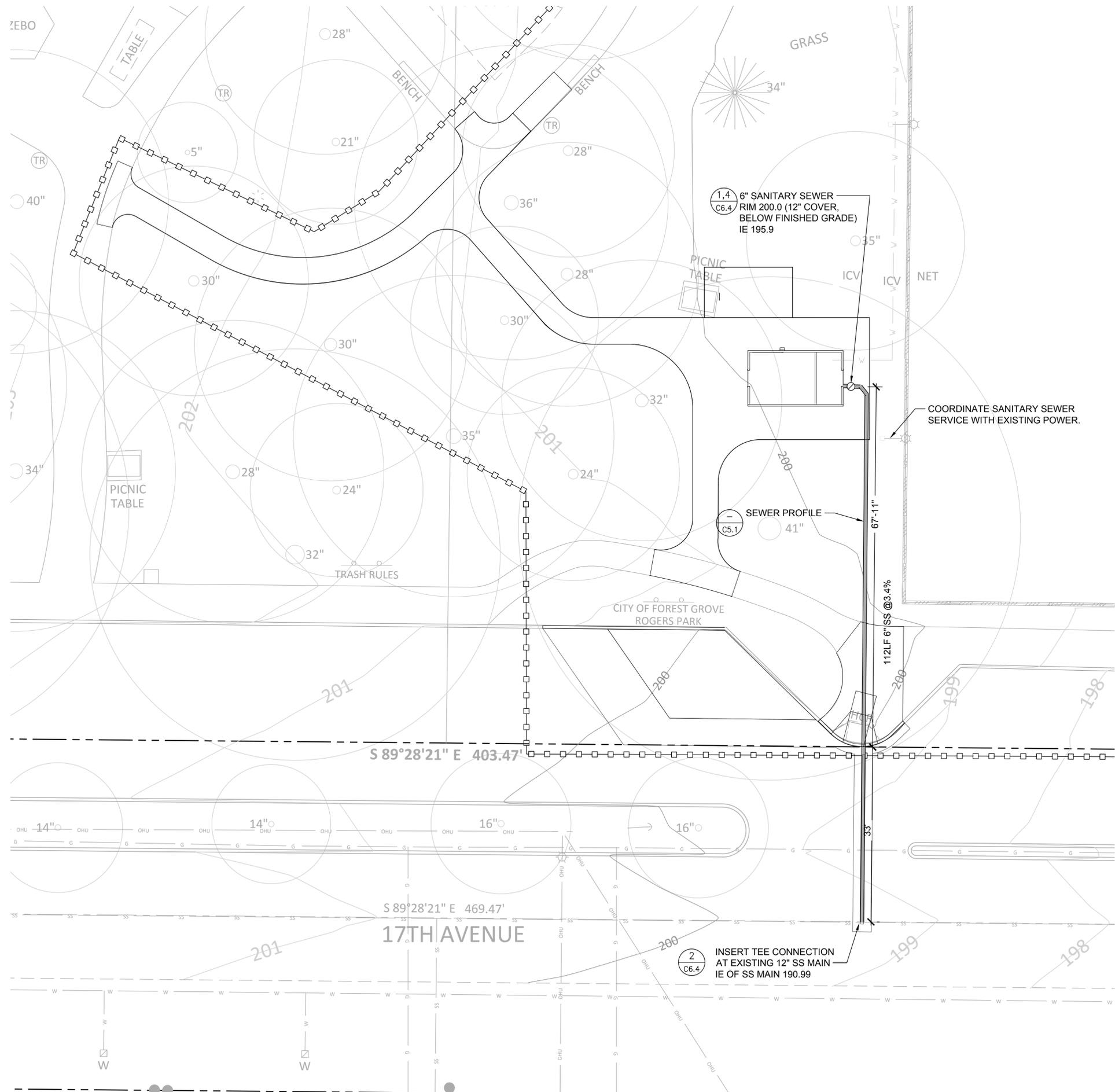
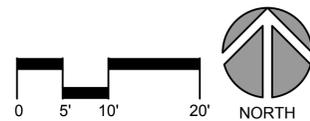
SHEET NO.
C4.0

STORM AND SANITARY SEWER NOTES

1. ALL MATERIALS FOR WATER DISTRIBUTION SHALL BE NEW.
2. APPLY FOR AND PAY ALL FEES ASSOCIATED WITH OBTAINING NEW WATER SERVICES. COORDINATE WITH CITY OF FOREST GROVE ENGINEERING.
3. PIPE MATERIALS FOR SANITARY SIDE SEWER (SSS) SHALL BE PER CLEAN WATER SERVICES.
4. BEDDING FOR PIPES AND STRUCTURES SHALL BE IN ACCORDANCE WITH CITY OF FOREST GROVE AND CLEAN WATER SERVICES STANDARDS AND SPECIFICATIONS.
5. TEES, CATCH BASIN CONNECTIONS, SIDE SEWERS, AND SERVICE DRAINS SHALL BE PLACED AT A MINIMUM SLOPE OF 2% AND A MAXIMUM SLOPE OF 50% UNLESS OTHERWISE INDICATED ON THE PLANS.
6. SERVICE DRAINS AND SIDE SEWERS SHALL BE CONNECTED OR RECONNECTED AS APPROVED BY THE CITY OF FOREST GROVE ENGINEERING INSPECTOR.
7. RELAY EXISTING SERVICE DRAINS AND SIDE SEWERS TO CLEAR OVER OR UNDER THE NEW UTILITY AS APPROVED BY THE CITY OF FOREST GROVE ENGINEERING INSPECTOR.
8. WHERE A NEW PIPE CLEARS AN EXISTING OR NEW UTILITY BY 6" OR LESS, POLYETHYLENE PLASTIC FOAM SHALL BE PLACED AS A CUSHION BETWEEN THE UTILITIES.
9. PROVIDE FITTINGS AS REQUIRED TO CONNECT TO EXISTING UTILITIES IN RIGHT-OF-WAY.
10. PROVIDE SWEEPING TEES OR WYES AT ALL PIPE TO PIPE CONNECTION LOCATIONS.
11. ADJUST RIM ELEVATION OF CATCH BASINS, AREA DRAINS AND CLEANOUT CASTINGS TO MATCH SURROUNDING GRADES, UNLESS OTHERWISE NOTED.
12. COORDINATE CONNECTION OF SANITARY SIDE SEWER WITH MECHANICAL PLANS. PROVIDE FITTINGS AS REQUIRED TO MAKE CONNECTION.

LEGEND

- PROPERTY LINE
- x-x-x- TREE PROTECTION
- CONSTRUCTION FENCE
- ==== SANITARY SEWER SERVICE (6") (3,5 C6.4)
- STANDARD CLEANOUT (1,4 C6.4)



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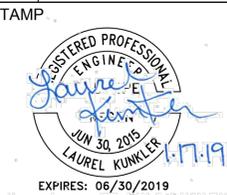


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SHEET TITLE
SEWER PLAN

SHEET NO.
C5.0



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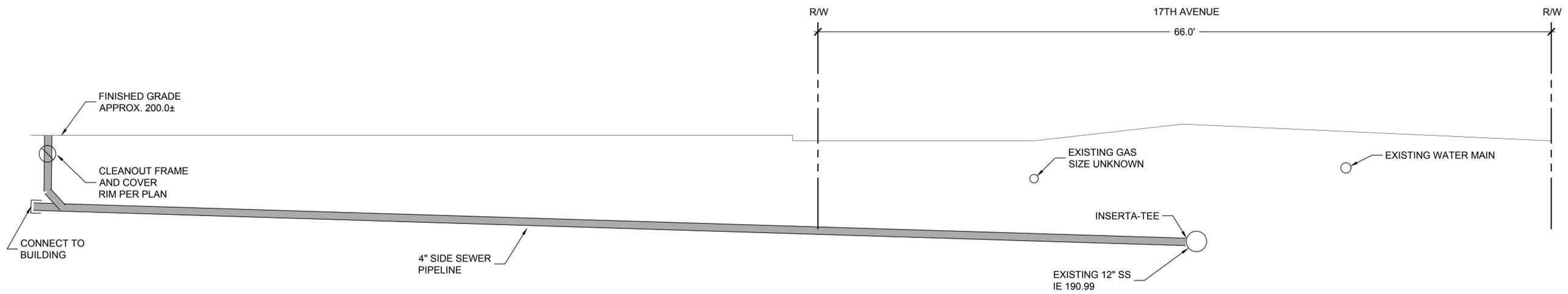
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BID SET

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PROJECT NO.	30414

SHEET TITLE
SEWER PROFILE

SHEET NO.
C5.1



SANITARY SIDE SEWER PROFILE

OWNER
 CITY OF FOREST GROVE
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 FOREST GROVE, OR 97116

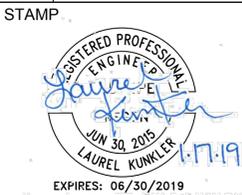


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 IRRIGATION DESIGN
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 FOREST GROVE, OR 97116

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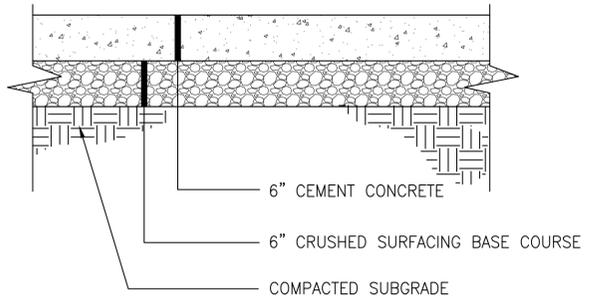
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DRAWN BY	CF/AM/LK
PROJECT NO.	30414

SHEET TITLE
PAVING DETAILS

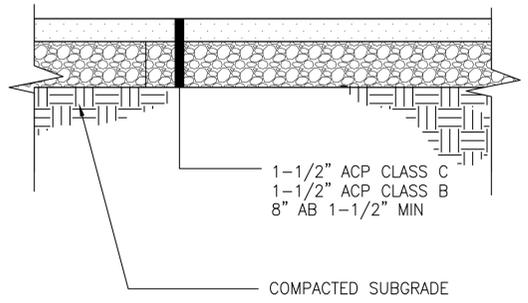
SHEET NO.
C6.2



NOTES

- EXCAVATE AND SHAPE SUBGRADE TO LINE AND GRADE, AND COMPACT TO NOT LESS THAN 95% OF THE MAXIMUM DENSITY DETERMINED BY AASHTO T99.

CONCRETE PARKING LOT PAVEMENT ^{NTS} **1**



NOTES

- EXCAVATE AND SHAPE SUBGRADE TO LINE AND GRADE, AND COMPACT TO NOT LESS THAN 95% OF THE MAXIMUM DENSITY DETERMINED BY AASHTO T99.

ASPHALT PARKING LOT PAVEMENT ^{NTS} **2**

NOT USED ^{NTS} **3**

NOT USED ^{NTS} **4**

NOT USED ^{NTS} **5**

NOT USED ^{NTS} **6**

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ROGERS PARK
 2421 17TH AVENUE
 FOREST GROVE, OR 97116

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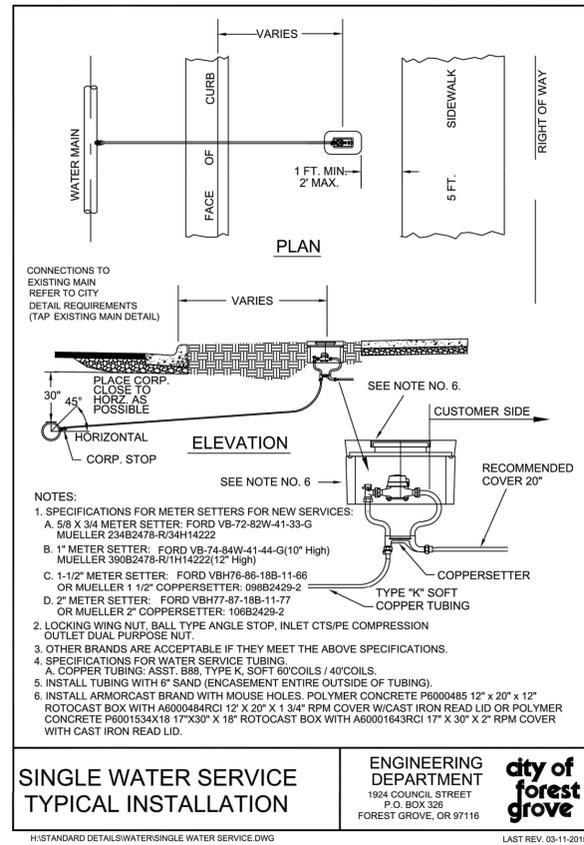
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PROJECT NO.	30414

SHEET TITLE
WATER SERVICE DETAILS

SHEET NO.
C6.3



NTS
 NOT USED **1**

NTS
 WATER SERVICE **2**

NTS
 NOT USED **3** **2**

NTS
 NOT USED **4**

NTS
 NOT USED **5**

NTS
 NOT USED **6**

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ROGERS PARK
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FOREST GROVE, OR 97116

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EXPIRES 12/31/20
2019.01.17 14:38:17-08'00"

DATE
JANUARY 16, 2019

SUBMITTAL
BID SET

CHECKED BY SMR
DRAWN BY R&W
PROJECT NO. 30414

SHEET TITLE
SITE PLAN - ELECTRICAL

SHEET NO.
E1.0

GENERAL NOTES

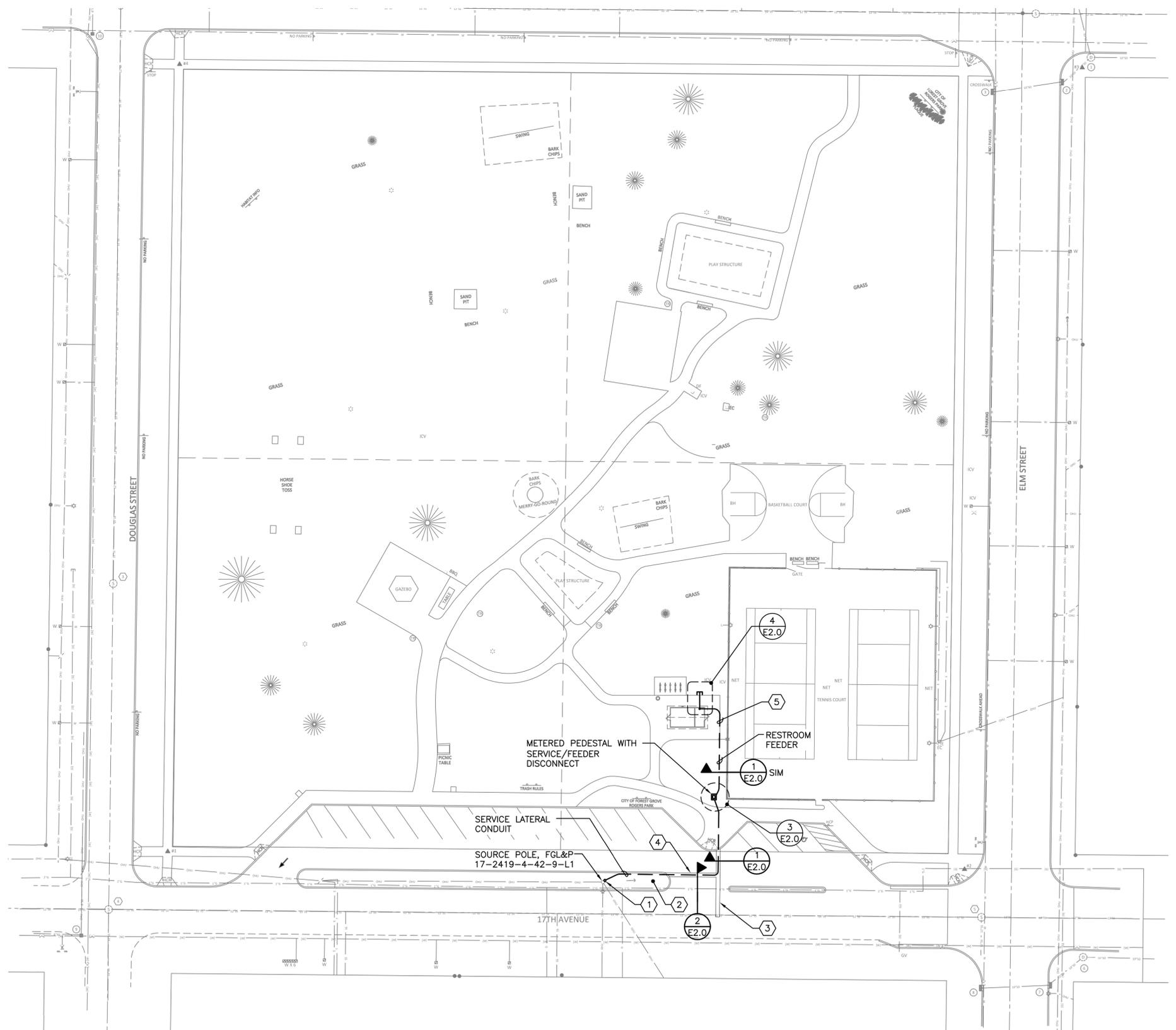
- A. REFER TO FOREST GROVE LIGHT & POWER, ELECTRIC SERVICE HANDBOOK AND CONFORM MATERIALS AND INSTALLATION TO PUBLISHED REQUIREMENTS FOR METER SOCKET, TRENCHING, UNDERGROUND SERVICE AND FACTORY BUILT METER PEDESTAL.
- B. THIS PLAN IS BASED ON A SURVEY BY KPFF CONSULTING ENGINEERS. CONTRACTOR TO VERIFY ALL SURVEY INFORMATION AND EXISTING UTILITIES PRIOR TO BEGINNING WORK. PRIOR TO INSTALLATION, NOTIFY LANDSCAPE ARCHITECT OF ANY SURVEY-RELATED DISCREPANCIES IDENTIFIED ON SITE.

NOTES THIS SHEET

- 1 TRENCH NO CLOSER THAN 3- FEET TO EXISTING SERVICE LATERAL SOURCE POLE.
- 2 HAND EXCAVATE, IN ROOT ZONE OF ESTABLISHED TREE, FOR INSTALLATION OF SERVICE LATERAL CONDUIT. CONSULT LANDSCAPE ARCHITECT FOR SPECIFIC RECOMMENDATIONS.
- 3 ROADWAY ASPHALT CUT, REMOVAL, TRENCHING, BACKFILLING AND PATCHING, FOR JOINT USE UTILITY (SANITARY SEWER, ELECTRICAL) CONNECTIONS, BY OTHERS. REFER TO DRAWING C5.0.
- 4 CUT ROADWAY ASPHALT, REMOVE ASPHALT, TRENCH FOR SERVICE LATERAL CONDUIT, INSTALL SERVICE LATERAL CONDUIT, BACKFILL WITH SELECT AND NATIVE MATERIAL AND PROVIDE ASPHALT PATCH. ASPHALT PATCH TO CONFORM WITH CITY OF FOREST GROVE STANDARDS.
- 5 PROVIDE 18"Wx24"D TRENCH FOR RESTROOM FEEDER ONLY. TRENCH EXTENSION BEYOND JOINT USE UTILITY TRENCH.

ELECTRICAL SYMBOL LEGEND

- UTILITY REVENUE METER
- CIRCUIT BREAKER, OVERCURRENT PROTECTIVE DEVICE
- GROUND ROD
- CONDUIT - STUBBED OUT AND CAPPED OR SEALED
- CONDUIT - ELLED UP
- CONDUIT - CONCEALED IN, UNDER FLOOR SLAB OR BELOW GRADE
- FGL&P FOREST GROVE LIGHT & POWER



1 SITE PLAN - ELECTRICAL
E1.0 SCALE: 1" = 30'

9615 S.W. Allen Boulevard
Suite 107
Beaverton, Oregon 97005
Phone: (503) 726-3311
Fax: (503) 726-3326
E-mail: rweg@rweg.com
Project No.: 855-005-001 Contact: SAM RUSSUM

OWNER
CITY OF FOREST GROVE
1924 COUNCIL STREET
FOREST GROVE, OR 97116

FOREST GROVE OREGON
A place where businesses and families thrive.

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IRRIGATION DESIGN
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PORTLAND, OR 97204

ELECTRICAL ENGINEERING
R&W ENGINEERING, INC.
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BEAVERTON, OR 97005

ROGERS PARK
2421 17TH AVENUE
FOREST GROVE, OR 97116

DATE	REVISION

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EXPIRES 12/31/20
2019.01.17 14:39:55-0800

DATE
JANUARY 16, 2019

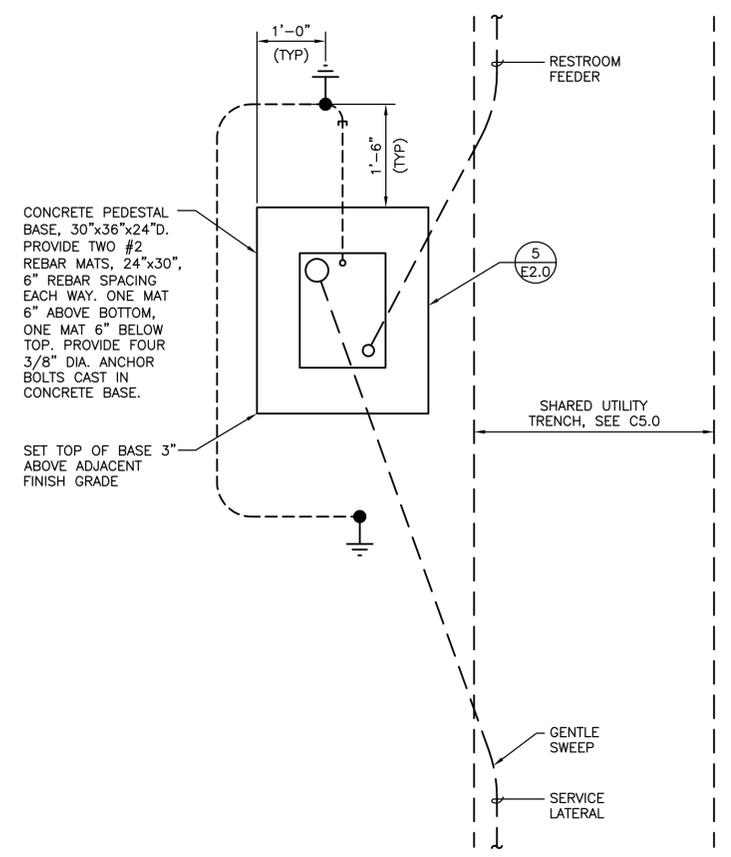
SUBMITTAL
BID SET

CHECKED BY	SMR
DRAWN BY	R&W
PROJECT NO.	30414

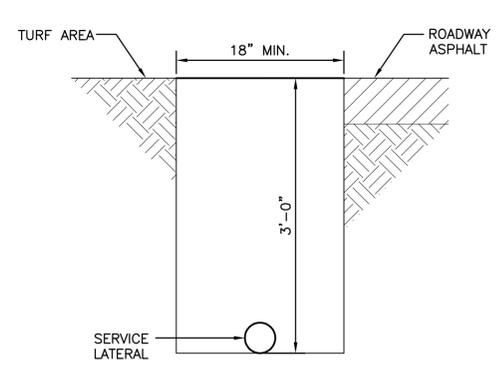
SHEET TITLE
DETAILS - ELECTRICAL

SHEET NO.
E2.0

R&W ENGINEERING, INC.
9615 S.W. Allen Boulevard
Suite 107
Beaverton, Oregon 97005
Phone: (503) 726-3331
Fax: (503) 726-3326
E-mail: rweg@rweg.com
Project No.: 855-005-001 Contact: SAM RUSSUM



3 SERVICE PEDESTAL BASE
SCALE: 3/4" = 1'-0"



2 UTILITY TRENCH
SCALE: 1" = 1'-0"

LOAD SUMMARY*

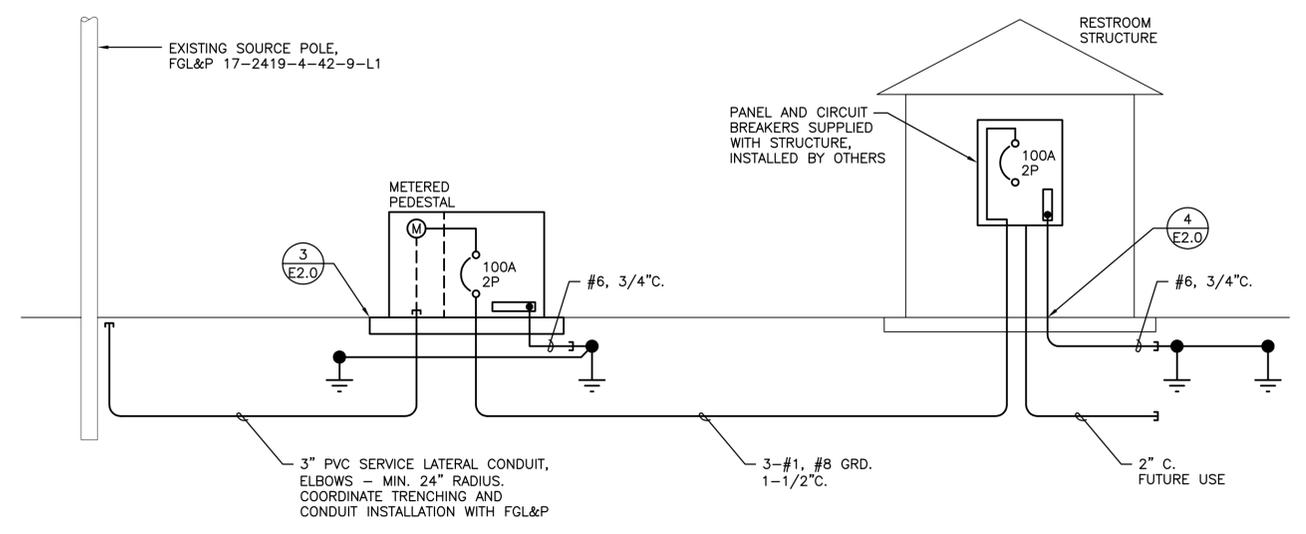
CATAGORY	CONNECTED LOAD	DEMAND FACTOR	DEMAND LOAD
LIGHTING	133W	1.25	167W
RECEPTACLES	180W	1.00	180W
WATER HEATER	1650W	1.00	1650W
SECURITY SYSTEM	300W	1.00	300W
TOTAL	2263W	-	2297W

* ESTIMATE, REQUIRES CONFIRMATION BY CXT PRECAST PRODUCTS

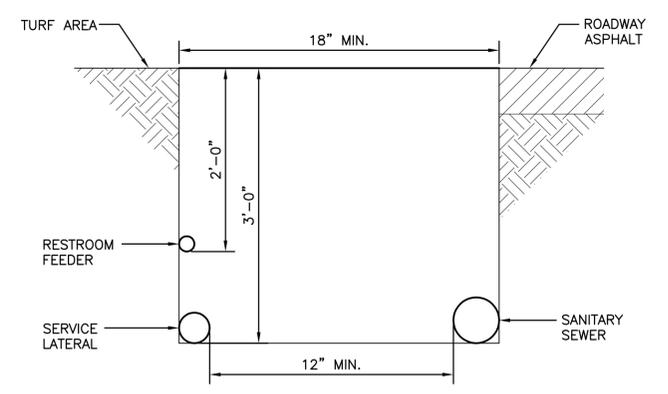
UTILITY CONTACT

FOREST GROVE LIGHT & POWER
1818 B STREET
FOREST GROVE, OR 97116

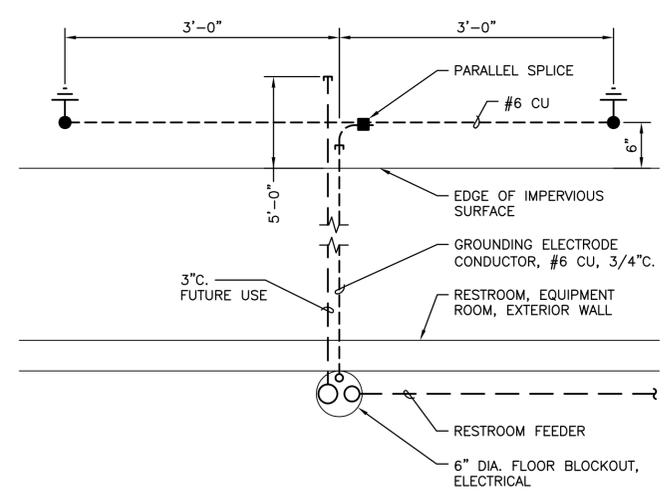
JOEL PETERSON
ELECTRICAL ENGINEERING MANAGER
503.992.3296



5 SERVICE AND DISTRIBUTION DIAGRAM
SCALE: 1/2" = 1'-0"



1 UTILITY TRENCH - JOINT USE
SCALE: 1" = 1'-0"



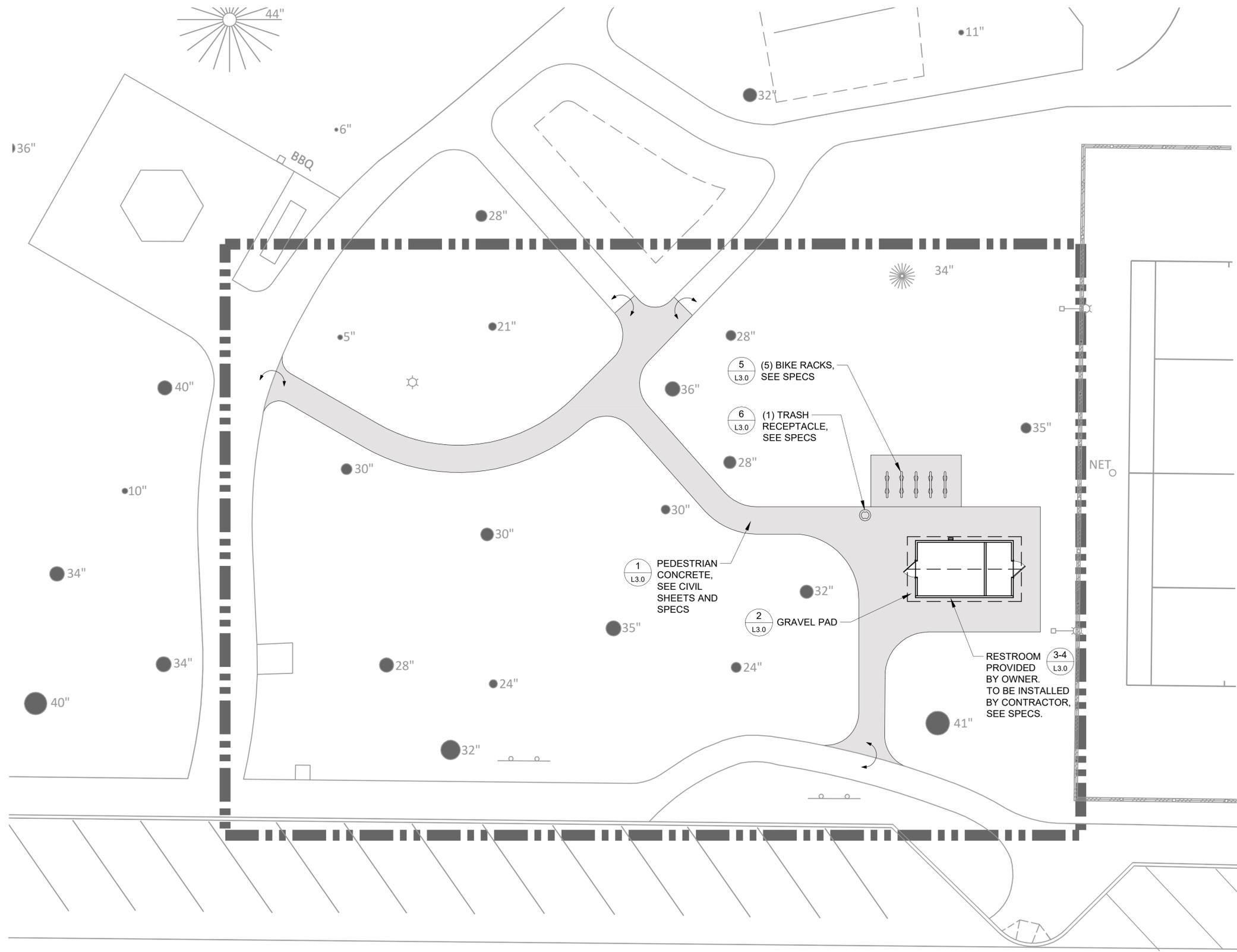
4 RESTROOM FLOOR BLOCKOUT
SCALE: 1" = 1'-0"

NOTES

1. THIS PLAN IS BASED ON A SURVEY BY KPFF CONSULTING ENGINEERS. CONTRACTOR TO VERIFY ALL SURVEY INFORMATION AND EXISTING UTILITIES PRIOR TO BEGINNING WORK. PRIOR TO INSTALLATION, NOTIFY LANDSCAPE ARCHITECT OF ANY SURVEY-RELATED DISCREPANCIES IDENTIFIED ON SITE.

LEGEND

-  LIMIT OF WORK
-  (E) TREE TO BE PROTECTED, SEE CIVIL SHEETS AND SPECS
-  BIKE RACK 5
L3.0
-  TRASH RECEPTACLE 6
L3.0
-  PEDESTRIAN CONCRETE PAVING, SEE CIVIL SHEETS AND SPECS 1
L3.0
-  ALIGNED FLUSH TO (E)



OWNER
CITY OF FOREST GROVE
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R&W ENGINEERING, INC.
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BEAVERTON, OR 97005

ROGERS PARK
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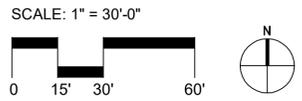
DATE
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DRAWN BY: CF
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SHEET TITLE
**MATERIALS +
DETAIL
REFERENCE
PLAN**

SHEET NO.
L1.0



NOTES

1. THIS PLAN IS BASED ON A SURVEY BY KPFF CONSULTING ENGINEERS. CONTRACTOR TO VERIFY ALL SURVEY INFORMATION AND EXISTING UTILITIES PRIOR TO BEGINNING WORK. PRIOR TO INSTALLATION, NOTIFY LANDSCAPE ARCHITECT OF ANY SURVEY-RELATED DISCREPANCIES IDENTIFIED ON SITE.
2. CONTRACTOR TO SET CONSTRUCTION SURVEY BASED ON NEWEST BENCHMARK.
3. ALIGNMENT OF REFERENCE GRID LINES SHALL BE PARALLEL TO BASE LINES ESTABLISHED BETWEEN EXISTING SURVEY MONUMENTS AS SHOWN ON PLANS.
4. REFERENCE GRID LINES ARE SPACED 40'-0", CENTERLINE TO CENTERLINE. ALL POSTS ARE DIMENSIONED FROM CENTER POINT OF POST.
5. SEE SHEET L2.1 FOR LAYOUT OF RESTROOM AREA.

LEGEND

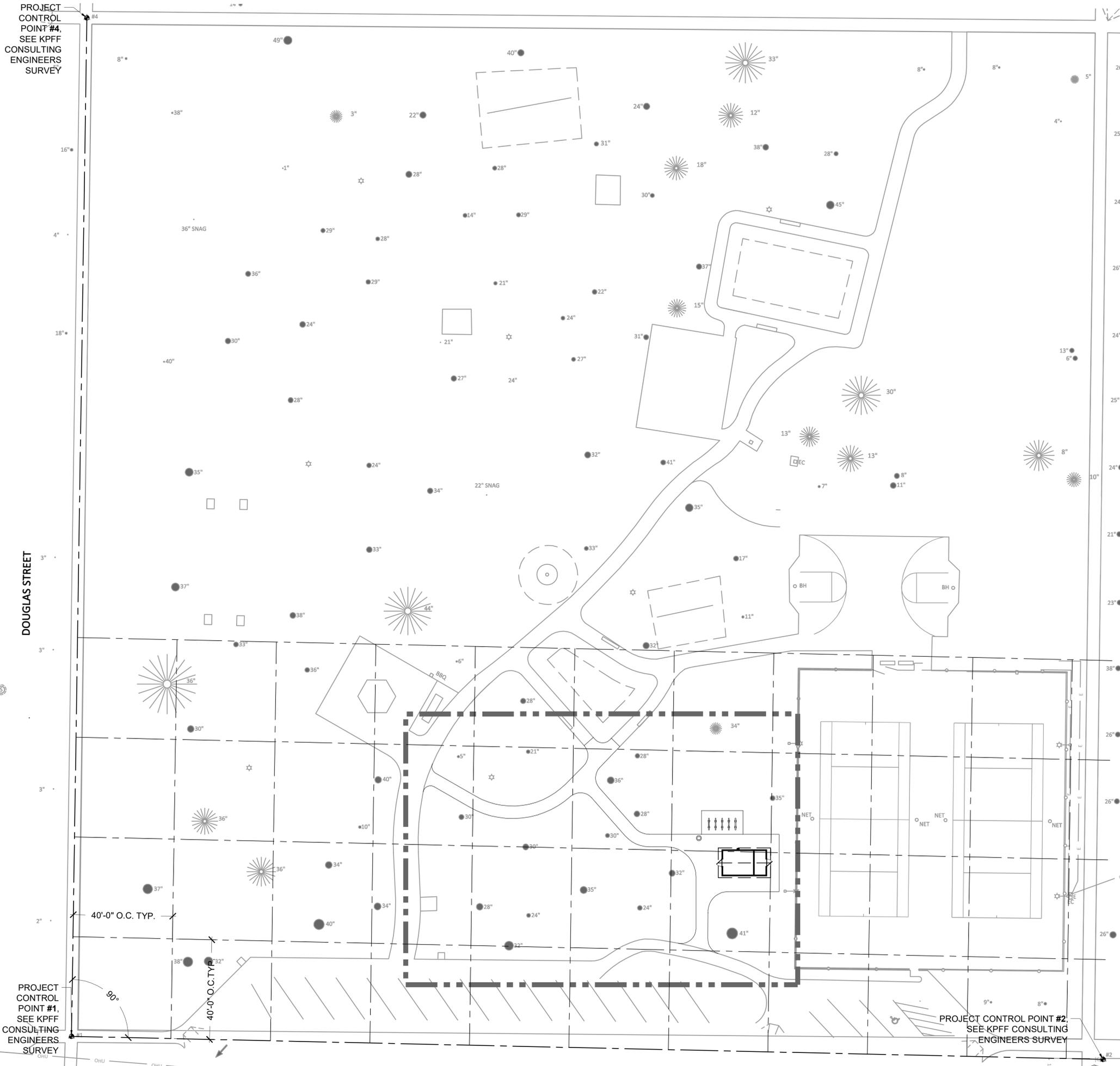
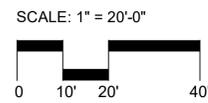
-  LIMIT OF WORK
-  TREE TO REMAIN, SEE CIVIL SHEETS FOR PROTECTION
-  BIKE RACK
-  TRASH RECEPTACLE
-  BASE LINE
-  40' O.C. BASE LINE
-  PROJECT CONTROL POINT, SEE SURVEY BY KPFF CONSULTING ENGINEERS
-  RADIAL POINT
-  ALIGN FLUSH

PROJECT CONTROL POINT #4, SEE KPFF CONSULTING ENGINEERS SURVEY

DOUGLAS STREET

PROJECT CONTROL POINT #1, SEE KPFF CONSULTING ENGINEERS SURVEY

PROJECT CONTROL POINT #2, SEE KPFF CONSULTING ENGINEERS SURVEY



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R&W ENGINEERING, INC.
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BEAVERTON, OR 97005

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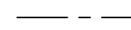
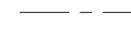
SHEET TITLE
LAYOUT PLAN - SITE GRID

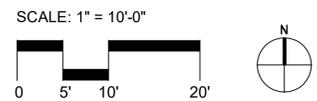
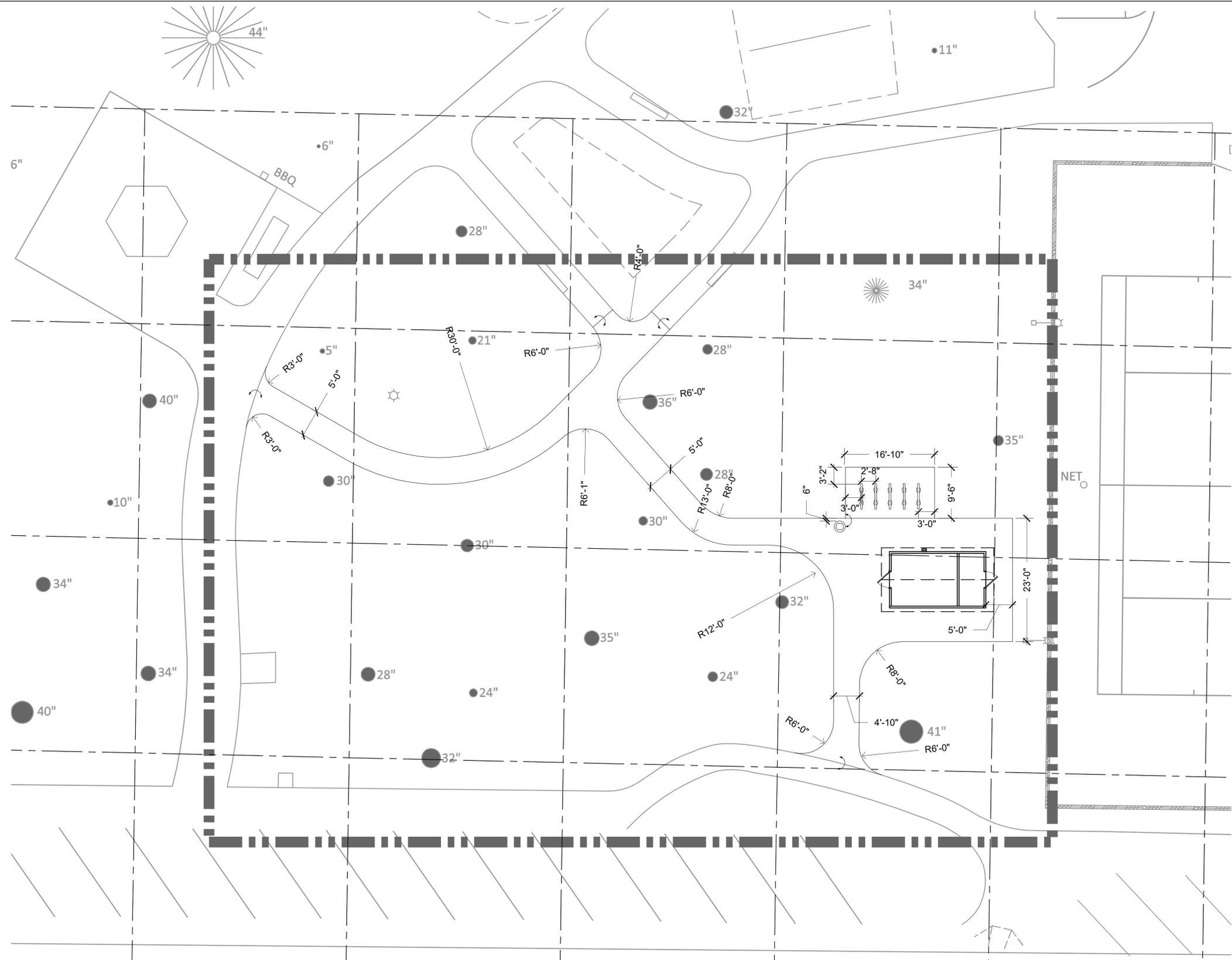
SHEET NO.
L2.0

NOTES

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2. CONTRACTOR TO SET CONSTRUCTION SURVEY BASED ON NEWEST BENCHMARK.
3. ALIGNMENT OF REFERENCE GRID LINES SHALL BE PARALLEL TO BASE LINES ESTABLISHED BETWEEN EXISTING SURVEY MONUMENTS AS SHOWN ON PLANS.
4. REFERENCE GRID LINES ARE SPACED 40'-0", CENTERLINE TO CENTERLINE. ALL POSTS ARE DIMENSIONED FROM CENTER POINT OF POST.
5. ALL CURVILINEAR ARCS AND RADII SHOULD MAKE SMOOTH TRANSITIONS TO ELIMINATE 'KINKS' IN LAYOUT LINES.
6. SEE SHEET C3.0 FOR PAVING LAYOUT AND SCORE JOINTS.

LEGEND

-  LIMIT OF WORK
-  TREE TO REMAIN, SEE CIVIL SHEETS FOR PROTECTION
-  BIKE RACK
-  TRASH RECEPTACLE
-  BASE LINE
-  40' O.C. BASE LINE
-  PROJECT CONTROL POINT, SEE SURVEY BY KPFF CONSULTING ENGINEERS
-  RADIAL POINT
-  ALIGN FLUSH



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PORTLAND, OR 97204

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R&W ENGINEERING, INC.
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BEAVERTON, OR 97005

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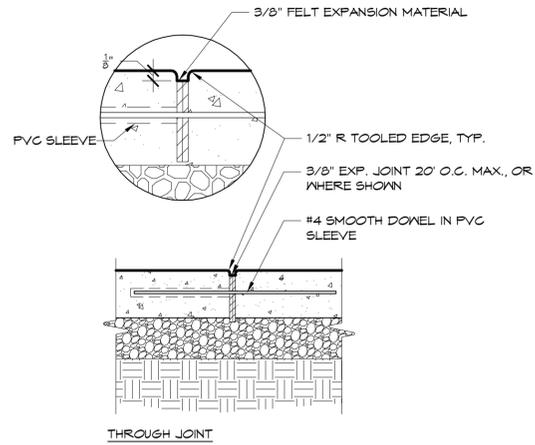
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PROJECT NO.	30414

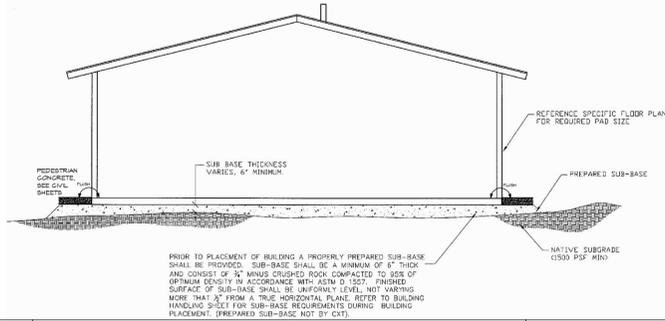
SHEET TITLE
LAYOUT PLAN

SHEET NO.
L2.1

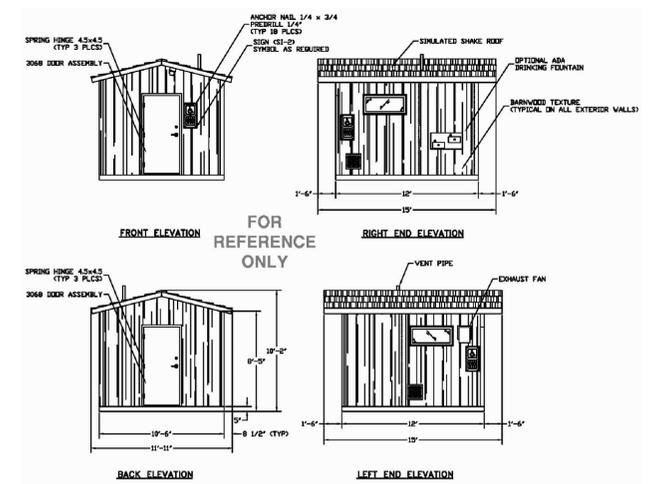
- NOTES:**
1. PROVIDE TRANSVERSE CONTRACTION JOINTS @ 15'-0" MAX SO THERE IS NO FIELD OF CONCRETE WITH ASPECT RATIO GREATER THAN 1.5 TO 1.
 2. PROVIDE THROUGH JOINT WHERE CONCRETE PAVING MEETS VERTICAL SURFACE, AND AS SHOWN ON PAVING PLAN (SEE CIVIL).



- NOTES:**
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS. SUB-BASE SHALL BE A MINIMUM OF 6" THICK AND CONSIST OF 3/4" MINUS CRUSHED ROCK COMPACTED TO 95% OF OPTIMUM DENSITY IN ACCORDANCE WITH ASTM D 1557.
 2. CONTRACTOR TO HAVE GEOTECHNICAL ENGINEER CONFIRM SUB-BASE IF VARIES WITH MANUFACTURER'S SPECIFICATIONS. COORDINATE WITH CITY OF FOREST GROVE.
 3. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.



- NOTES:**
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS, SEE SPECS

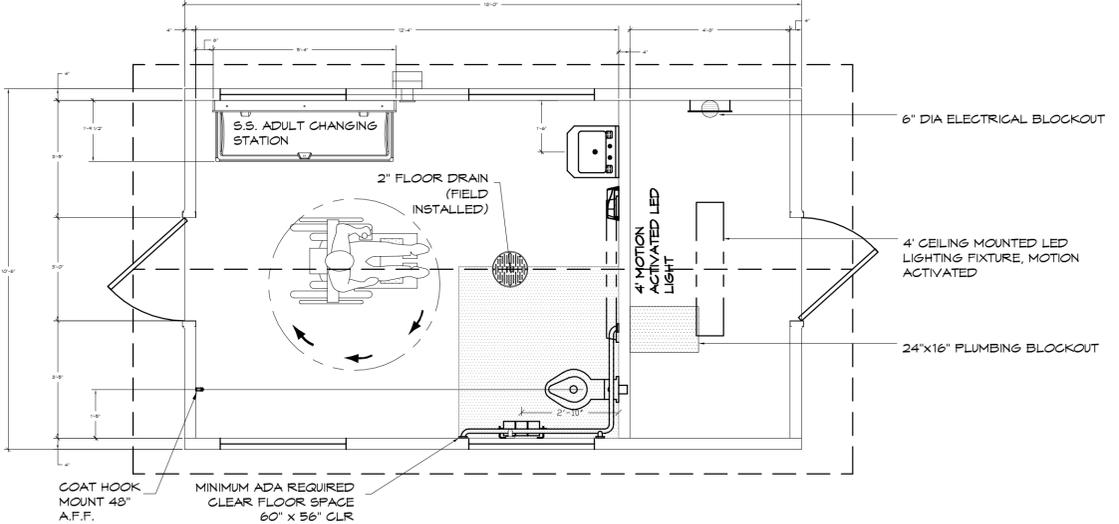


1 CONCRETE JOINTS Scale: 1 1/2"=1'-0"

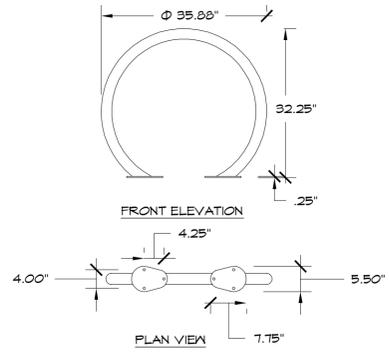
2 GRAVEL PAD Scale: 1 1/2"=1'-0"

3 OZARK RESTROOM Scale: 1"=1'-0"

- NOTES:**
1. RESTROOM HAS BEEN MODIFIED TO ACCOMMODATE AN ADULT CHANGING STATION, SEE SPECS



- NOTES:**
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS, SEE SPECS.
 2. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.



COLOR: STAINLESS STEEL REMAINS CLEAN AND RUST FREE WITHOUT PAINT OR ALTERNATIVE FINISH

FINISH: 316/316L STAINLESS STEEL IS HIGHLY RESISTANT TO SALT CORROSION, RUSTING, PITTING, AND CRACKING.

MATERIAL: 2.38" O.D. SCHEDULE 10, 316/316L STAINLESS STEEL PIPE SUPPORT SECTIONS.

LEGS: 7.75" X 5.5" PLATE WITH THREE .5" DIAMETER HOLE PER PLATE FOR SURFACE MOUNTING

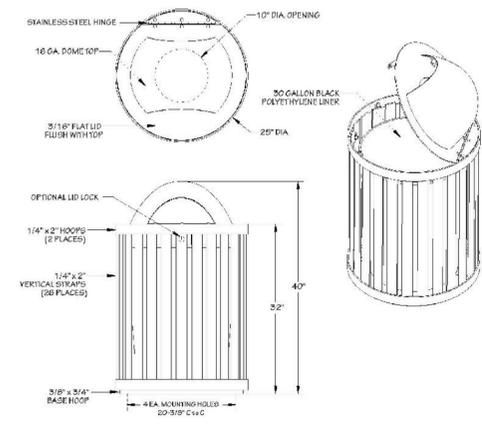
BICYCLES: 2

BIKE RACK ARRIVES ASSEMBLED AND READY TO BE INSTALLED. HARDWARE IS NOT INCLUDED. LIMITED 20 YEAR WARRANTY.

4 OZARK RESTROOM – FLOOR PLAN Scale: 3/8"=1'-0"

5 CIRCLE BIKE RACK Scale: 3/8"=1'-0"

- NOTES:**
1. INSTALL PER MANUFACTURER'S INSTRUCTIONS, SEE SPECS.
 2. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.



6 TRASH RECEPTACLE Scale: 3/8"=1'-0"



OWNER
CITY OF FOREST GROVE
1924 COUNCIL STREET
FOREST GROVE, OR 97116

FOREST GROVE OREGON
A place where businesses and families thrive.

CONSULTANTS
LANDSCAPE ARCHITECTURE / CIVIL ENGINEERING
MIG, INC.
815 SE 2ND AVENUE, SUITE 200
PORTLAND, OR 97204

ELECTRICAL ENGINEERING
R&W ENGINEERING, INC
9615 SW ALLEN BLVD., SUITE 107
BEAVERTON, OR 97005

ROGERS PARK
2421 17TH AVENUE
FOREST GROVE, OR 97116

DATE	REVISION



DATE
JANUARY 16, 2019

SUBMITTAL
BID SET

CHECKED BY	ME
DRAWN BY	CF
PROJECT NO.	30414

SHEET TITLE
LANDSCAPE DETAILS

SHEET NO.
L3.0