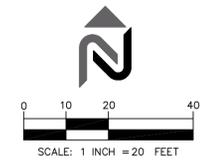
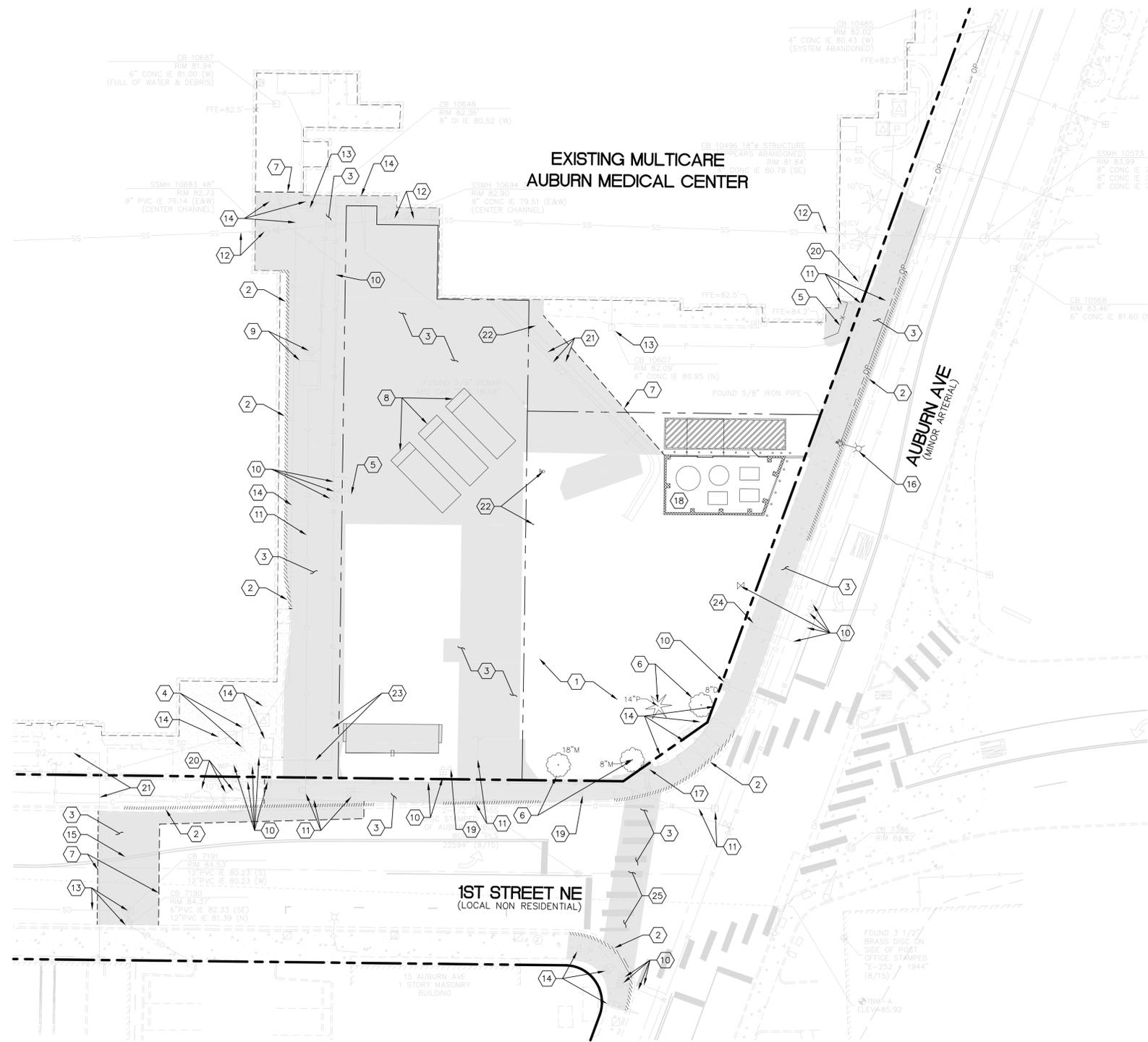


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CLIENT/OWNER

**AUBURN
 MEDICAL CENTER**

PROJECT NAME

**CENTRAL
 UTILITY PLANT
 PHASE 2**

NAVIX PROJECT NUMBER: 50-000-000

PROJECT ADDRESS

**29 1ST STREET NE
 AUBURN, WA 98002**

STAMP



REVISIONS

REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17



SECTION, TOWNSHIP, RANGE:
 SECTION 18, TOWNSHIP 21 NORTH,
 RANGE 5 EAST, W.M.

PROJECT TEAM

REVIEWED BY: J. TAFLIN
 DESIGNED BY: J. GREEN
 G. UNGERER

SHEET NAME

**PH2
 DEMOLITION
 PLAN**

SHEET NUMBER

D-1.0

LEGEND

- EXISTING CONCRETE CURB TO BE REMOVED
- EXISTING CONCRETE PAVEMENT, ASPHALT PAVEMENT AND/OR CONCRETE SIDEWALK TO BE REMOVED
- EXISTING STORM DRAINAGE AND WATER MAIN DEMOLITION/REMOVAL

DEMOLITION KEY

- 1 CONTRACTOR TO COORDINATE WITH PROPERTY OWNER FOR REMOVAL AND/OR DISPOSAL OF THE EXISTING STRUCTURES. DISCONNECT AND CAP EXISTING UTILITIES. EXISTING WATER AND SEWER SERVICES SHALL BE CAPPED AT THE MAIN AND ABANDONED IN-PLACE IN ACCORDANCE WITH CITY OF AUBURN REQUIREMENTS. CONTRACTOR SHALL REMOVE ALL ASBESTOS CONTAINING MATERIALS IN ACCORDANCE WITH APPLICABLE CODES.
- 2 REMOVE EXISTING CONCRETE CURB.
- 3 REMOVE EXISTING CONCRETE SIDEWALK, CONCRETE PAVEMENT, AND ASPHALT PAVEMENT TO DEPTH SUFFICIENT TO CONSTRUCT NEW PAVING AND IMPROVEMENTS.
- 4 CONTRACTOR TO FIELD VERIFY SIZE, LOCATION, AND DEPTH OF EXISTING FIRE SERVICE. NOTIFY ENGINEERS OF ANY DISCREPANCIES OR CONFLICTS.
- 5 REMOVE EXISTING FENCE.
- 6 REMOVE EXISTING TREE.
- 7 SAWCUT, MATCH AND JOIN EXISTING PAVEMENT. SEAL JOINTS WITH AR-4000 OR APPROVED EQUAL.
- 8 RELOCATE EXISTING TRASH, CARDBOARD AND CONSTRUCTION BINS. SEE SHEET C-1.0 FOR NEW LOCATION.
- 9 REMOVE EXISTING FUEL TANK AND FUEL FILL PORT ONCE NEW FUEL TANK AND GENERATORS ARE INSTALLED AND FULLY OPERATIONAL. CONTRACTOR SHALL REMOVE FUEL TANK AND FUEL FILL PORT PER LOCAL AND STATE REQUIREMENTS. SEE PLUMBING PLANS FOR TANK REMOVAL DETAILS. SEE SHEET C-1.0 FOR NEW LOCATION.
- 10 PRESERVE AND PROTECT EXISTING WATER METER, VALVES, HYDRANT, SERVICE LINES, AND MAINS. ADJUST LIDS TO GRADE.
- 11 PRESERVE AND PROTECT EXISTING GAS METER, VALVES, SERVICE LINES, AND MAINS. ADJUST LIDS TO GRADE.
- 12 PRESERVE AND PROTECT EXISTING SANITARY SERVICE LINES, STRUCTURES, AND MAINS. ADJUST LIDS TO GRADE.
- 13 PRESERVE AND PROTECT EXISTING STORM DRAINAGE, STRUCTURES, AND MAINS. ADJUST LIDS TO GRADE. SEE DRAINAGE PLAN FOR EXISTING STRUCTURE TO RECEIVE SOLID LIDS.
- 14 PRESERVE AND PROTECT EXISTING POWER/TELECOM VAULT TO REMAIN. ADJUST LIDS TO GRADE.
- 15 PRESERVE AND PROTECT EXISTING STRIPING TO REMAIN. RESTRIPE AS NEEDED DUE TO PROPOSED IMPROVEMENTS.
- 16 REMOVE AND/OR RELOCATE EXISTING UTILITY/LIGHT POLE PER PSE REQUIREMENTS. SEE SHEET C-1.0 FOR NEW LOCATION.
- 17 PRESERVE AND PROTECT EXISTING STREET LIGHTS AND OVERHEAD POWER TO REMAIN. CONTRACTOR TO COORDINATE WITH LOCAL SERVICE PROVIDER PRIOR TO CONSTRUCTION ACTIVITIES.
- 18 PRESERVE AND PROTECT EXISTING OXYGEN YARD.
- 19 REMOVE AND REPLACE EXISTING SIGN.
- 20 PRESERVE AND PROTECT EXISTING TREE TO REMAIN.
- 21 PRESERVE AND PROTECT EXISTING OXYGEN LINE.
- 22 REMOVE EXISTING POWER POST, HOSE REEL, AND LIGHT.
- 23 CONTRACTOR TO FIELD VERIFY SIZE, LOCATION, AND DEPTH OF EXISTING DOMESTIC WATER SERVICE. NOTIFY ENGINEERS OF ANY DISCREPANCIES OR CONFLICTS.
- 24 REMOVE EXISTING IRRIGATION WATER METER PER CITY OF AUBURN REQUIREMENTS.
- 25 REMOVED EXISTING CROSSWALK STRIPING.

GENERAL DEMOLITION NOTES

1. DEMOLITION NOTES ARE FOR CLARIFICATION ONLY AND ARE SHOWN FOR THE CONTRACTOR'S BENEFIT. THESE NOTES ARE NOT INTENDED TO BE COMPREHENSIVE. THE CONTRACTOR SHALL REMOVE OR RELOCATE ALL EXISTING ON-SITE IMPROVEMENTS NECESSARY TO ACCOMMODATE THE PROPOSED CONSTRUCTION.
2. THE DESIGN SHOWN IS BASED UPON THE ENGINEER'S UNDERSTANDING OF THE EXISTING CONDITIONS. THE PLAN DOES NOT REPRESENT A DETAILED FIELD SURVEY. THE EXISTING CONDITIONS SHOWN ON THIS PLAN SHEET ARE BASED UPON THE TOPOGRAPHIC SURVEY PREPARED BY AXIS SURVEY AND MAPPING, DATED 08/24/2015, UPDATED ELECTRONIC VERSION OF THE TOPOGRAPHIC INFORMATION ON 04/28/2016 AND THE AUBURN MEDICAL CENTER CENTRAL UTILITY PLANT PHASE I PLANS DATED 11/02/2016. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING FIELD CONDITIONS PRIOR TO BIDDING THE PROPOSED SITEWORK IMPROVEMENTS. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITEWORK WHICH WOULD BE AFFECTED. IF CONTRACTOR DOES NOT ACCEPT EXISTING SURVEY, INCLUDING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS OWN EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.
3. **CAUTION - NOTICE TO CONTRACTOR**
 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES AND EXISTING IMPROVEMENTS WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS ON THE PLANS.
4. CONTRACTOR IS TO REMOVE ALL EXISTING SURFACE IMPROVEMENTS AND DEBRIS WITHIN THE LIMITS OF WORK UNLESS OTHERWISE NOTED. ALL DEBRIS FOUND ON SITE SHALL BE DISPOSED OF IN ACCORDANCE WITH APPLICABLE STATE CODES.
5. CONTRACTOR TO PROTECT EXISTING FEATURES WHICH ARE TO REMAIN.
6. ABANDONED ON-SITE PIPES LOCATED OUTSIDE PROPOSED BUILDING PAD LIMITS WITH AN EXCESS OF 3' COVER MAY BE DECOMMISSIONED AND ABANDONED IN PLACE, PROVIDED THAT THESE ABANDONED UTILITIES ARE GROUTED AND CAPPED. EXISTING SUBSURFACE IMPROVEMENTS AND DEBRIS WITHIN THE PROPOSED BUILDING PAD AREA, INCLUDING 10' BEYOND FOUNDATIONS, SHALL BE REMOVED.
7. CONTRACTOR SHALL ADJUST ALL EXISTING MANHOLE RIMS, DRAINAGE STRUCTURES, VALVE BOXES, VAULT LIDS AND UTILITY ACCESS STRUCTURES TO FINISH GRADE WITHIN AREAS AFFECTED BY PROPOSED CONSTRUCTION.
8. A GRIND AND OVERLAY MAY BE REQUIRED AFTER CONSTRUCTION IMPACTS ARE COMPLETED. THIS WILL BE REQUIRED BY THE CITY OF AUBURN IF THE TRENCHING AND ROAD IMPACTS EXTEND OUTSIDE THE LIMITS SHOWN ON THE PLANS.
9. SUBMIT A PEDESTRIAN DETOUR PLAN TO THE CITY OF AUBURN FOR REVIEW AND APPROVAL BEFORE ANY DEMOLITION OCCURS.

PROJECT REF: FAC17-0009

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF AUBURN'S ENGINEERING REQUIREMENTS.

DEV, REVIEW ENGINEER: _____
 APPROVED BY: _____
 DATE APPROVED: _____

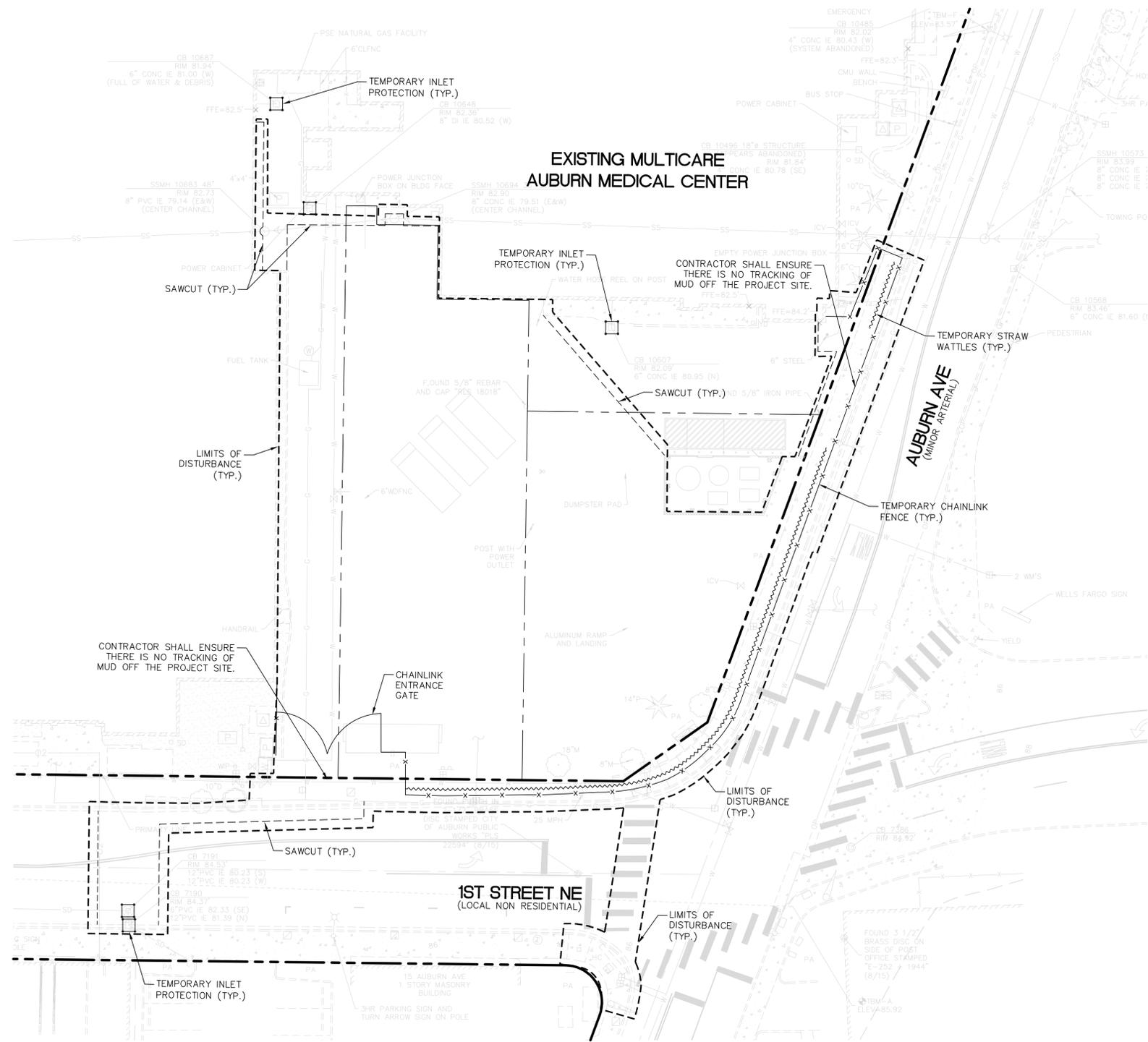
RECORD DRAWING CERTIFICATION
 THESE DRAWINGS CONFORM TO THE CONTRACTOR'S CONSTRUCTION RECORDS.

BY: _____ DATE: _____

TITLE/PERSON: _____

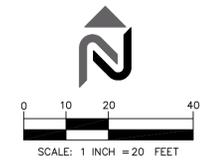
CONFIRMED BY CITY: _____ DATE: _____

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LEGEND

- LIMITS OF DISTURBANCE
- x-x- TEMPORARY CHAINLINK FENCE (1 D-2.0)
- ~~~~~ TEMPORARY STRAW WATTLES (2 D-2.0)
- TEMPORARY INLET PROTECTION (E-03 C.O.A.)



SEQUENCE OF CONSTRUCTION NOTES

1. HOLD A PRE-CONSTRUCTION MEETING WITH CITY AND OBTAIN REMAINING REQUIRED PERMITS.
2. ESTABLISH LIMITS OF DISTURBANCE.
3. CONTRACTOR TO MARK PERIMETER OF WORK AREAS WITH CONES AND OTHER TRAFFIC RELATED SAFETY MEASURES.
4. INSTALL TEMPORARY CHAINLINK FENCE AS INDICATED ON THIS PLAN.
5. INSTALL INLET PROTECTION AND PLACE STRAW WATTLES AGAINST TEMPORARY CHAINLINK FENCE.
6. SCHEDULE AN EROSION CONTROL INSPECTION WITH THE CITY. CONTRACTOR SHALL INFORM INSPECTOR ABOUT PLANS TO USE TESC MEASURES SUCH AS SWEEPING, VACTOR USE WHEN SAW CUTTING, AND WATER IF FOR DUST CONTROL.
7. CLEAR AND GRUB THE SITE AS CONSTRUCTION ACTIVITIES REQUIRE.
8. REMOVE FEATURES AS NOTED ON THE DEMOLITION PLAN.
9. INSTALL UNDERGROUND UTILITIES.
10. BEGIN ROUGH GRADING THE SITE.
11. INSTALL CURBING, RAMPS, SIGNS, AND OTHER SURFACE FEATURES PER SITE PLAN.
12. CONTRACTOR TO ADJUST TESC MEASURES AS SITE CONDITIONS CHANGE.
13. INSTALL NEW FUEL TANK AND GENERATORS.
14. ONCE FUEL TANK AND GENERATORS ARE FULLY OPERATIONAL, REMOVE EXISTING UNDERGROUND STORAGE TANK PER LOCAL AND DOE REQUIREMENTS.
12. PAVE SITE.
13. TEMPORARILY SEED DENUDED AREAS.
14. REMOVE TESC MEASURES ONLY AFTER THE CITY INSPECTOR HAS DEEMED THE SITE STABILIZED.

PROPOSED INFILTRATION FACILITIES PROTECTION NOTES:

1. THE PERMANENT INFILTRATION FACILITIES SHOULD NOT BE USED AS TEMPORARY SETTLING BASINS DURING CONSTRUCTION.
2. INITIAL FACILITY EXCAVATION LOCATIONS SHALL BE CONDUCTED TO WITHIN 1-FOOT OF THE FINAL BOTTOM ELEVATION OF THE FACILITY. EXCAVATE TO FINAL GRADE ONLY AFTER ALL DISTURBED AREAS IN THE UPGRADE PROJECT DRAINAGE AREA HAVE BEEN PERMANENTLY STABILIZED.
3. THE FINAL PHASE OF EXCAVATION SHALL REMOVE ALL ACCUMULATION OF SILT IN THE FACILITY LOCATIONS BEFORE PUTTING IT IN SERVICE.
4. MINIMIZING COMPACTION OF NATIVE SOILS AT INFILTRATION FACILITY LOCATIONS IS CRITICAL TO AVOID FAILURE OF THE FINISHED FACILITIES, SO PRESERVE UNCOMPACTED SOIL DURING CONSTRUCTION ACTIVITIES. EXCAVATION, SOIL PLACEMENT, OR SOIL AMENDMENT SHALL NOT BE ALLOWED DURING WET OR SATURATED CONDITIONS. EXCAVATION SHOULD BE PERFORMED BY MACHINERY OPERATING ADJACENT TO THE FACILITIES AND NO HEAVY EQUIPMENT WITH NARROW TRACKS, NARROW TIRES, OR LARGE LUGGED, HIGH PRESSURE TIRES SHOULD BE ALLOWED ON THE BOTTOM OF THE FACILITIES. IF MACHINERY MUST OPERATE IN THE FACILITY LOCATIONS FOR EXCAVATION, LIGHT WEIGHT, LOW GROUND-CONTACT PRESSURE EQUIPMENT SHOULD BE USED AND THE FACILITY'S BASE SHALL BE SCARIFIED AT COMPLETION (IF NECESSARY) TO REFRACTURE THE SOIL TO A MINIMUM DEPTH OF 12 INCHES.
5. CONTRACTOR SHALL VERIFY DESIGN INFILTRATION RATE OF 1.5"/HOUR PRIOR TO INSTALLATION OF INFILTRATION FACILITIES.

PROJECT REF: FAC17-0009

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF AUBURN'S ENGINEERING REQUIREMENTS.

DEV, REVIEW ENGINEER: _____
 APPROVED BY: _____
 DATE APPROVED: _____

RECORD DRAWING CERTIFICATION
 THESE DRAWINGS CONFORM TO THE CONTRACTOR'S CONSTRUCTION RECORDS.

BY: _____ DATE: _____

TITLE/PERSON: _____

CONFIRMED BY CITY: _____ DATE: _____



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CLIENT/OWNER
AUBURN MEDICAL CENTER

PROJECT NAME
CENTRAL UTILITY PLANT PHASE 2

NAVIX PROJECT NUMBER: 50-000-000
PROJECT ADDRESS

**29 1ST STREET NE
 AUBURN, WA 98002**



REVISIONS

REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17

811

SECTION, TOWNSHIP, RANGE:
 SECTION 18, TOWNSHIP 21 NORTH,
 RANGE 5 EAST, W.M.

PROJECT TEAM
 REVIEWED BY: J. TAFLIN
 DESIGNED BY: J. GREEN
 G. UNGERER

SHEET NAME
PH2 T.E.S.C. PLAN

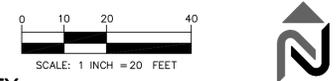
SHEET NUMBER
D-2.0



REVISIONS		
REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17



REVIEWED BY: J. TAFLIN
DESIGNED BY: J. GREEN
G. UNGERER



SITE KEY:

- (A) ROADWAY PAVEMENT REPAIR (1-01.1 C.O.A.) (1-02.2 C.O.A.)
- (B) HEAVY DUTY ASPHALT PAVEMENT (3 C-1.1)
- (C) CONCRETE PAVEMENT (2 C-1.1)
- (D) CONCRETE SIDEWALK WITH 2'x2' PANEL JOINTS, O.C. (1 C-1.1) (1-15 C.O.A.)
- (E) CONCRETE VERTICAL CURB (F-10.12-03 C-1.1)
- (F) CONCRETE CURB AND GUTTER (F-10.12-03 C-1.1)
- (G) 4" WIDE SOLID WHITE STRIPE AT 45' x 18" SPACING, O.C. (TYP)
- (H) DOUBLE CENTERLINE WITH RAISED PAVEMENT MARKERS (1-12 C.O.A.)
- (I) ROCKERY (2' HEIGHT MAX.) (1 C-1.2)
- (J) SCREEN WALL (SEE ARCHITECTURAL PLANS FOR DETAILS.)
- (K) STAIRS (SEE ARCHITECTURAL PLANS FOR DETAILS.)
- (L) MEP EQUIPMENT (SEE ARCHITECTURAL PLANS FOR DETAILS.)
- (M) UTILITY/LIGHT POLE (SEE ILLUMINATION PLANS FOR DETAILS.)
- (N) LANDSCAPING (SEE LANDSCAPING PLANS FOR DETAILS.)
- (O) TYPE PARALLEL A CURB RAMP (F-40.12-03 C-1.2) (F-45.10-02 C-1.2) W/ TRUNCATED DOME
- (P) TYPE SINGLE DIRECTION A CURB RAMP W/OUT TRUNCATED DOMES (F-40.16-03 C-1.2)
- (Q) BRICK PAVEMENT BAND (SEE LANDSCAPING PLANS FOR DETAILS.)
- (R) BOLLARD (4 C-1.1)
- (S) BIORETENTION FACILITY (3 C-2.3)
- (T) STRUCTURAL SLAB (SEE STRUCTURAL PLANS FOR DETAILS.)
- (U) STREET TREE AND GRATE (SEE LANDSCAPING PLANS FOR DETAILS.)
- (V) SAWCUT, MATCH, AND JOIN. SEAL JOINTS WITH AR-4000 OR APPROVED EQUAL.
- (W) PERMEABLE PAVERS (SEE LANDSCAPING PLANS FOR PAVEMENT DETAILS.) (5 L3.10)
- (X) BENCH (SEE LANDSCAPING PLANS FOR DETAILS.)
- (Y) REPLACE EXISTING SPEED LIMIT SIGN IN KIND.
- (Z) "RIGHT TURN FOR TRUCKS PROHIBITED" SIGN AND POST. (4 C-1.2)
- (AA) 12" WIDE, 6" VERTICAL CURB PLACED FLUSH AGAINST BUILDING. SEE NOTE 15.
- (BB) BOULDERS (SEE LANDSCAPING PLANS FOR DETAILS.)
- (CC) TRELIS FOOTING (SEE STRUCTURAL PLANS FOR DETAILS.)
- (DD) PATTERNED PEDESTRIAN CROSSWALK (5 C-1.2)
- (EE) 4" WIDE SOLID RED STRIPE (TYP.)
- (FF) HANDRAIL (SEE ARCHITECTURAL PLANS FOR DETAILS. TYP.)
- (GG) PROPOSED 8" WIDE CONCRETE CAST-IN-PLACE WALL. SEE GRADING PLAN FOR TOP AND BOTTOM OF WALL ELEVATIONS.
- (HH) CEMENT CONCRETE PEDESTRIAN CURB (F-10.12-03 C-1.1)
- (II) 20' X 20' STRUCTURAL CONCRETE PAD (5 C-1.1)
- (JJ) CONCRETE TRANSITION BETWEEN BACK OF SIDEWALK AND PERMEABLE PAVERS. CONTRACTOR TO FIELD VERIFY DIMENSIONS OF CONCRETE TRANSITION TO AVOID NON-STANDARD PERMEABLE PAVEMENT SIZES. TRANSITION TO HAVE SAME SCORING PATTERN AS SIDEWALK WITH AN EXPANSION JOINT AT THE RIGHT-OF-WAY LINE.
- (KK) 0.5' WIDE FLUSH CONCRETE BARRIER BORDER TO PREVENT SHIFTING OF PERMEABLE PAVERS.
- (LL) PROPOSED BLOCK RETAINING WALL TO MATCH EXISTING WALL.
- (MM) CONTRACTOR TO END EX. BLOCK WALL AND TIE TO NEW BLOCK WALL.
- (NN) CONTRACTOR TO CUT TO FIT 48" CMP AROUND EXISTING GAS METER TO REMAIN. CMP PIPE TO BE APPROXIMATELY 18"-24" TALL.
- (OO) CONCRETE ROLLED CURB AND TRANSITION TO STANDARD CURB. (6 C-1.1)
- (PP) FIRE LANE MARKING PER AUBURN CODE 10.36.175. BLOCK LETTERS 24 INCHES HIGH, 12 INCHES WIDE AND FOUR-INCH STROKE STATING "FIRE LANE - NO PARKING" SHALL BE PAINTED ON THE LANE AT 50-FOOT INTERVALS IN BRIGHT YELLOW COLOR USING PAINT THAT SHALL BE SUITED FOR TRAFFIC MARKINGS.
- (QQ) PRECAST CONCRETE DUAL FACED SLOPED MOUNTABLE CURB (1-32.1 C.O.A.) RETROFIT
- (RR) TRASH AREA ROOF (SEE ARCHITECTURAL PLANS FOR DETAILS)
- (SS) POWER POLE (CONTRACTOR TO COORDINATE WITH PSE TO EXACT POLE LOCATION)

LEGEND:

- PROPERTY LINE
- ROW DEDICATION
- SAWCUT LINE
- CONCRETE CURB
- CONCRETE CURB AND GUTTER
- FULL DEPTH ASPHALT PAVEMENT (ON-SITE)
- FULL DEPTH ASPHALT PAVEMENT (OFF-SITE)
- GRIND AND OVERLAY
- CONCRETE PAVEMENT
- HYDROSEED
- BIORETENTION FACILITY
- STRUCTURAL SLAB
- PERMEABLE PAVERS

SITE NOTES:

- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND DIMENSIONS OF VESTIBULE, SLOPED PAVING, EXIT PORCHES, SIDEWALKS, RAMPS & TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
- DIMENSIONS SHOWN REFER TO FACE OF CURB, FACE OF BUILDING OR TO THE CENTERLINE OF PAVEMENT STRIPING, UNLESS OTHERWISE NOTED.
- ALL PAVED PARKING LOT AREAS WITHIN THE LIMITS OF IMPROVEMENTS SHALL BE STANDARD DUTY PAVEMENT UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL PROVIDE A TEMPORARY TRAFFIC CONTROL PLAN FOR THE CITY ENGINEER'S APPROVAL PRIOR TO ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
- REFER TO BOUNDARY SURVEY FOR LEGAL DESCRIPTION, DIMENSIONS OF PROPERTY LINES, BASIS OF BEARINGS & BENCHMARK INFORMATION.
- SEE SITE PLAN FOR SITE DIMENSIONS.
- ALL ON-SITE PAINTED STRIPING SHALL BE DOUBLE COATED. SEPARATE COATS SHALL BE APPLIED NO SOONER THAN 4 HOURS APART. (CONTRACTOR TO REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL PAVING MARKING REQUIREMENTS.)
- ALL DISTURBED AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL, SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED.
- ALL ISLANDS WITH CURB AND GUTTER SHALL BE LANDSCAPED. THOSE ISLANDS ARE TO HAVE 18" CURB AND GUTTER. ALL REMAINING ISLANDS ARE TO BE STRIPED AS SHOWN.
- EXISTING STRUCTURES WITHIN CONSTRUCTION LIMITS ARE TO BE ABANDONED, REMOVED OR RELOCATED AS NECESSARY. ALL COST SHALL BE INCLUDED IN BASE BID.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATION'S, INCLUDING BUT NOT LIMITED TO, ALL UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS & POLES, ETC. AS REQUIRED. ALL WORK SHALL BE IN ACCORDANCE WITH GOVERNING AUTHORITIES SPECIFICATIONS AND SHALL BE APPROVED BY SUCH. ALL COST SHALL BE INCLUDED IN BASE BID.
- THE SITEWORK CONTRACTOR SHALL CONNECT ALL LIGHTS WITHIN THE BUILDING'S DEMISED AREA TO THE SECURITY CIRCUIT AS SHOWN ON THE ELECTRICAL PLAN.
- CONTRACTOR SHALL USE CAUTION AROUND EXISTING SEWER MANHOLE TO REMAIN.
- CONTRACTOR SHALL LIMIT USE OF HEAVY MACHINERY NEAR BIORETENTION, RAINGARDEN, OR ANY OTHER LOW IMPACT DEVELOPMENT FACILITIES IN ORDER TO PROTECT FROM COMPACTION, SILTATION, AND OTHER DAMAGE.

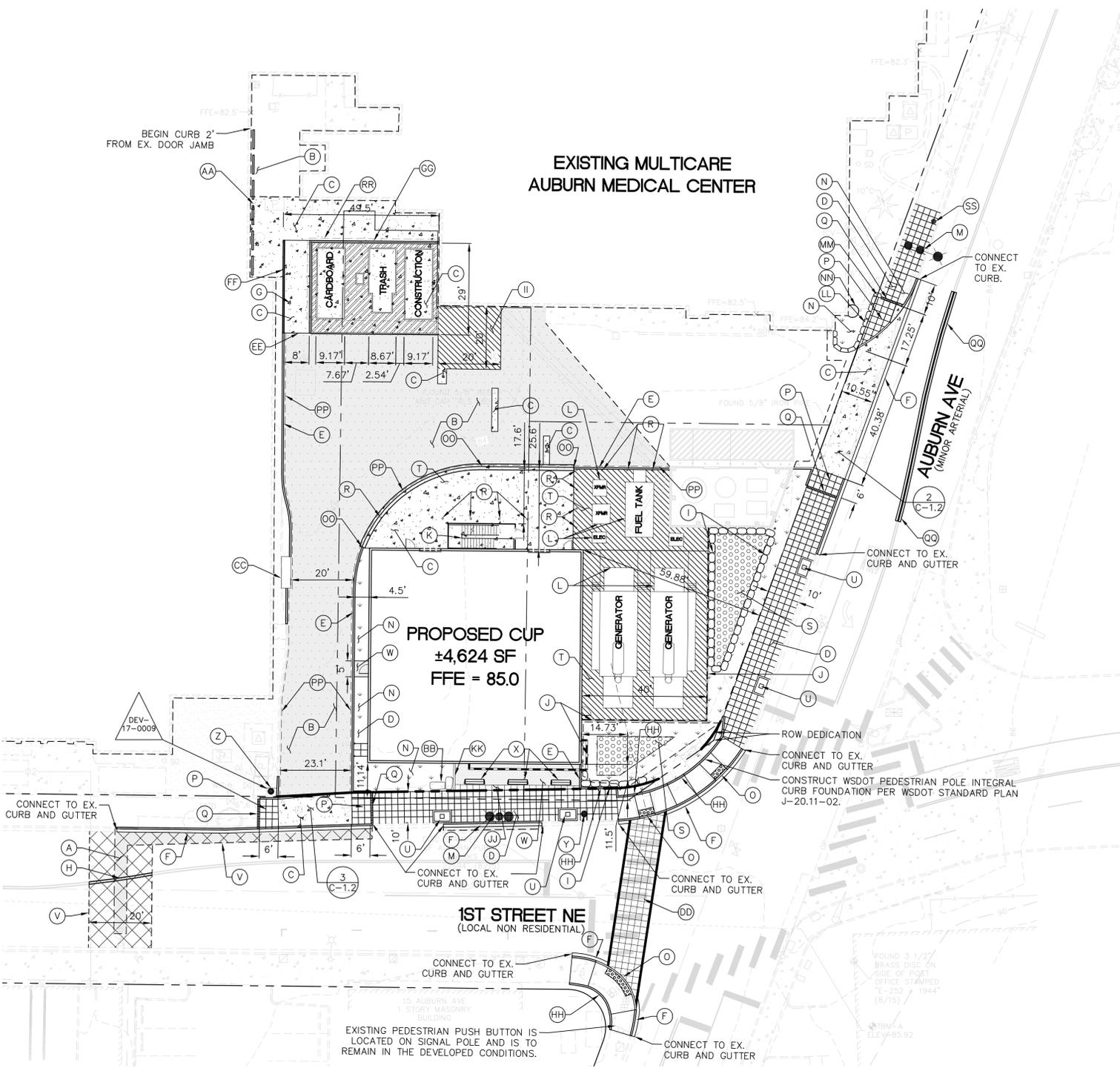
HAUL ROUTE NOTE:

PRIOR TO MOVING ANY MATERIALS OR EQUIPMENT ON PUBLIC STREETS, THE CONTRACTOR SHALL SUBMIT A HAUL ROUTE PLAN TO THE ENGINEER FOR APPROVAL. PER SECTION 1-07.28 OF THE CONSTRUCTION STANDARDS, THE HAUL ROUTE PLAN MUST BE APPROVED BY THE CITY PRIOR TO THE START OF CONSTRUCTION. SHOULD IT BE DETERMINED THAT POTENTIAL ADVERSE ENVIRONMENTAL IMPACT MAY RESULT FROM THE PROPOSED HAUL ROUTE THAT HAD NOT BEEN PREVIOUSLY CONSIDERED DURING SEPA REVIEW, A SEPA AMENDMENT MAY BE REQUIRED PRIOR TO CONSTRUCTION.

APPROVED DEVIATION

CHAPTER 10.04.4.1 OF THE CITY OF AUBURN DESIGN STANDARDS FOR A LEFT TURN ONTO 1ST ST NE IN A LOCATION WHERE THE FUNCTIONAL INTERSECTION BOUNDARY IS PROHIBITED ACCESS. THE LEFT TURN MOVEMENTS ALLOW DELIVERY TRUCK ACCESS FOR THE SITE, AVOIDS HEAD ON RIGHT HAND TURNING MOVEMENTS ONTO 1ST ST NE, DOES NOT ELIMINATE ANY ON STREET PARKING AND DOES NOT ROUTE TRUCKS THROUGH DOWNTOWN ON LOCAL STREETS TO C STREET SW. APPROVED 6/13/2017.

**SEE SHEET C-1.5 FOR
RIGHT-OF-WAY DEDICATION
PLAN**



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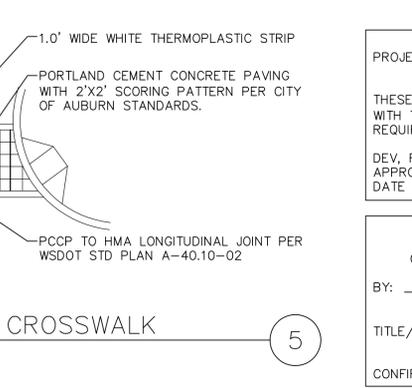
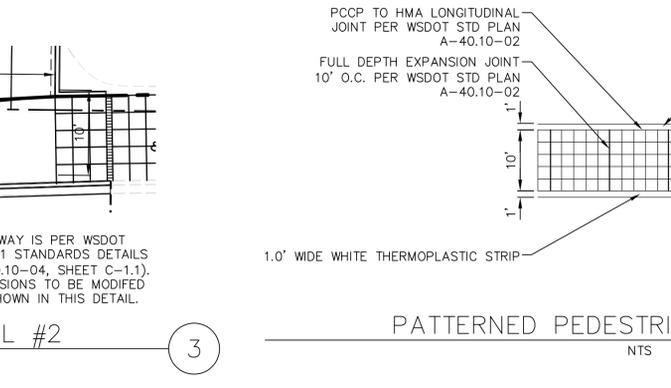
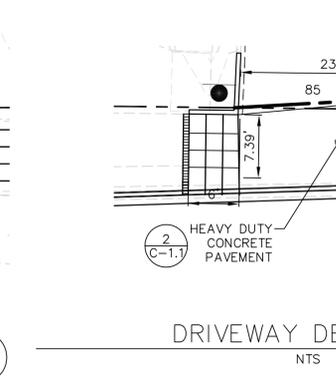
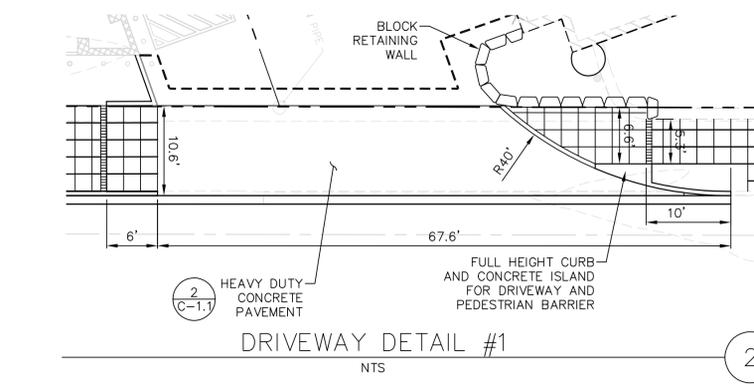
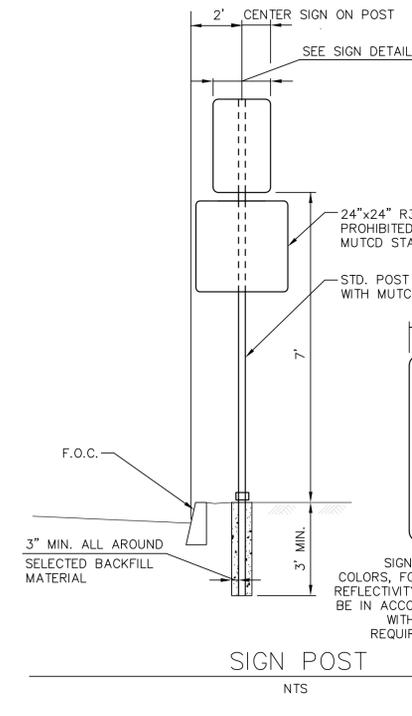
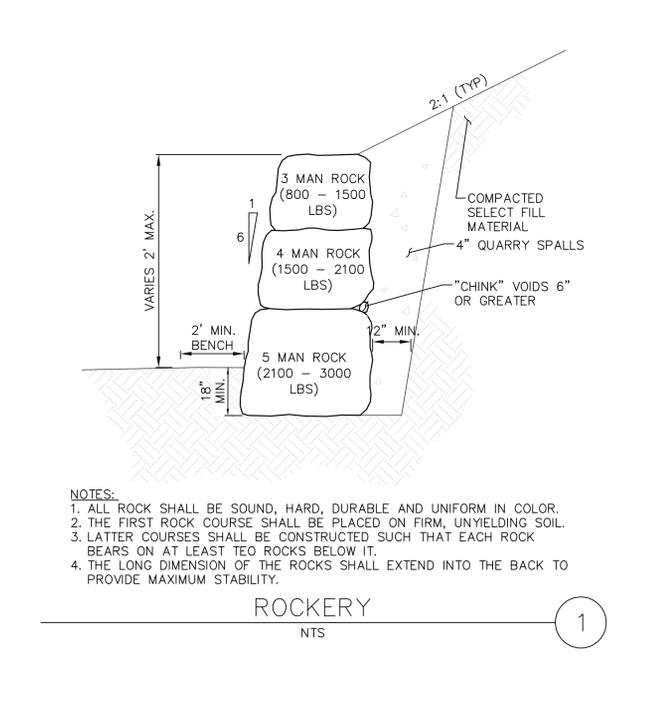
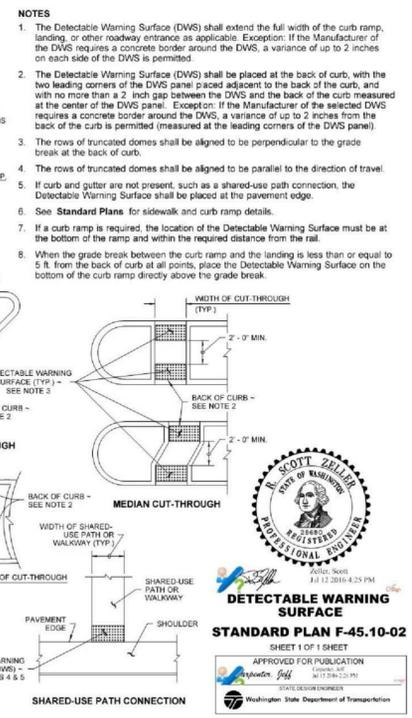
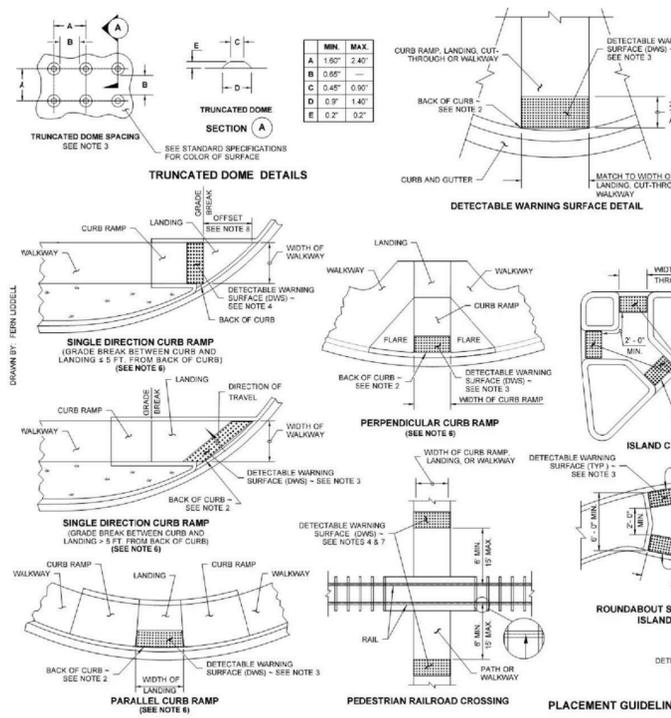
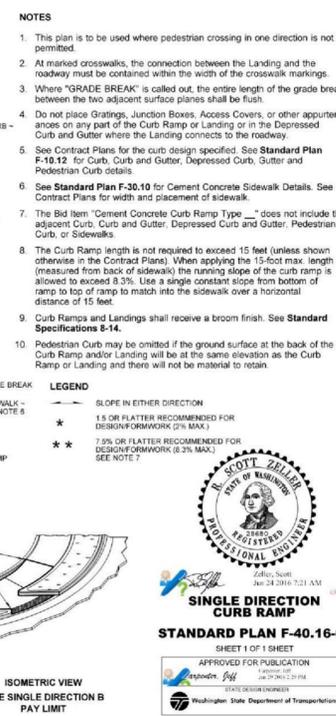
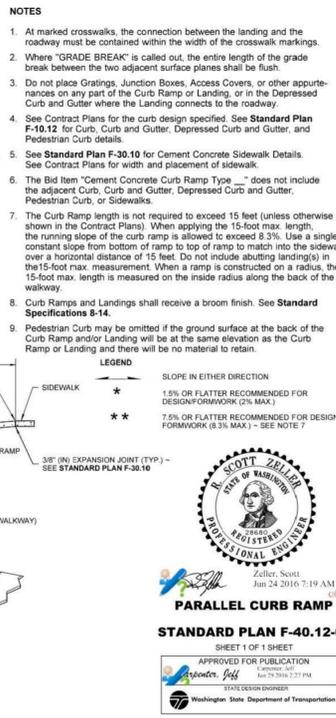
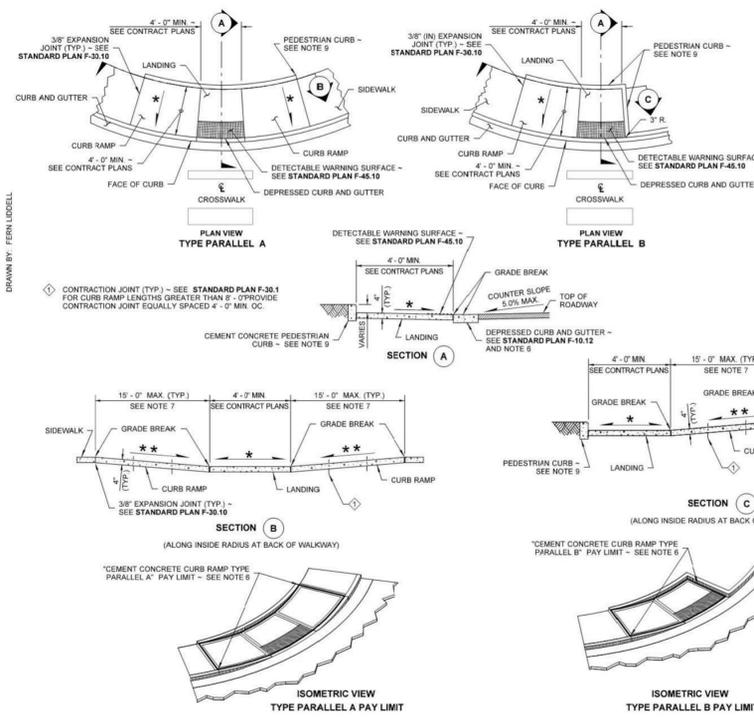
ON-SITE:	
TOTAL DISTURBED AREA	= ±21,532 SF (±0.49 AC)
EXISTING IMPERVIOUS	= 20,191 SF (93.8% OF 21,532 SF)
EXISTING PERVIOUS	= 1,341 SF (6.2% OF 21,532 SF)
TOTAL PROPOSED NEW/REPLACED IMPERVIOUS	= 18,775 SF (87.2% OF 21,532 SF)
NEW/REPLACED ASPHALT PAVING	= 12,414 SF (57.7% OF 21,532 SF)
NEW/REPLACED CONCRETE (I.E. SIDEWALK, ETC)	= 6,361 SF (29.5% OF 21,532 SF)
TOTAL PROPOSED PERVIOUS	= 2,757 SF (12.8% OF 21,532 SF)
OFF-SITE:	
TOTAL DISTURBED AREA	= ±4,398 SF (±0.10 AC)
EXISTING IMPERVIOUS	= 4,163 SF (94.6% OF 4,398 SF)
EXISTING PERVIOUS	= 235 SF (5.4% OF 4,398 SF)
TOTAL PROPOSED NEW/REPLACED IMPERVIOUS	= 4,328 SF (98.4% OF 4,398 SF)
NEW/REPLACED ASPHALT PAVING	= 1,911 SF (43.4% OF 4,398 SF)
NEW/REPLACED CONCRETE (I.E. SIDEWALK, ETC)	= 2,417 SF (55.0% OF 4,398 SF)
TOTAL PROPOSED PERVIOUS	= 70 SF (1.6% OF 4,398 SF)

GENERAL NOTES:

- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY/COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
- THE DESIGN SHOWN IS BASED UPON THE ENGINEER'S UNDERSTANDING OF THE EXISTING CONDITIONS. THIS PLAN DOES NOT REPRESENT A DETAILED FIELD SURVEY. THE EXISTING CONDITIONS SHOWN ON THIS PLAN SHEET ARE BASED UPON THE TOPOGRAPHIC SURVEY PREPARED BY AXIS SURVEY AND MAPPING, DATED 08/24/2015, UPDATED ELECTRONIC VERSION OF THE TOPOGRAPHIC INFORMATION ON 04/28/2016 AND THE AUBURN MEDICAL CENTER CENTRAL UTILITY PLANT PHASE 1 PLANS DATED 11/02/2016. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING FIELD CONDITIONS PRIOR TO BIDDING THE PROPOSED SITEWORK IMPROVEMENTS. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITEWORK WHICH WOULD BE AFFECTED. IF CONTRACTOR DOES NOT ACCEPT EXISTING SURVEY, INCLUDING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS OWN EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.
- CAUTION - NOTICE TO CONTRACTOR**
THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITIES, AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES AND EXISTING IMPROVEMENTS WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS ON THE PLANS.

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B:\Washington\Auburn\MultiCore Auburn Medical Center\Drawings\Phase 2B - CUP\AMC_CUP_PH2\AMC_CUP_PH2_1105.dwg Jul 23, 2017 12:26pm



NOTES

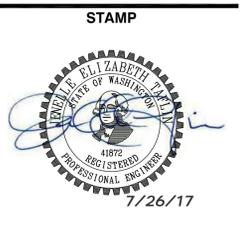
- At marked crosswalks, the connection between the landing and the roadway must be contained within the width of the crosswalk markings.
- Where "GRADE BREAK" is called out, the entire length of the grade break between the two adjacent surface planes shall be flush.
- Do not place Gratings, Junction Boxes, Access Covers, or other appurtenances on any part of the Curb Ramp or Landing, or in the Depressed Curb and Gutter where the Landing connects to the roadway.
- See Contract Plans for the curb design specified. See Standard Plan F-10.12 for Curb, Curb and Gutter, Depressed Curb and Gutter, and Pedestrian Curb details.
- See Standard Plan F-30.10 for Cement Concrete Sidewalk Details. See Contract Plans for width and placement of sidewalk.
- The Bid Item "Cement Concrete Curb Ramp Type ___" does not include the adjacent Curb, Curb and Gutter, Depressed Curb and Gutter, Pedestrian Curb, or Sidewalks.
- The Curb Ramp length is not required to exceed 15 feet (unless otherwise shown in the Contract Plans). When applying the 15-foot max. length, the running slope of the curb ramp is allowed to exceed 3.3%. Use a single constant slope from bottom of ramp to top of ramp to match into the sidewalk over a horizontal distance of 15 feet. Do not include abutting landing(s) in the 15-foot max. length measurement when a ramp is constructed on a radius, the 15-foot max. length is measured on the inside radius along the back of the walkway.
- Curb Ramps and Landings shall receive a broom finish. See Standard Specifications 8-14.
- Pedestrian Curb may be omitted if the ground surface at the back of the Curb Ramp and/or Landing will be at the same elevation as the Curb Ramp or Landing and there will be no material to retain.

NOTES

- This plan is to be used where pedestrian crossing in one direction is not permitted.
- At marked crosswalks, the connection between the Landing and the roadway must be contained within the width of the crosswalk markings.
- Where "GRADE BREAK" is called out, the entire length of the grade break between the two adjacent surface planes shall be flush.
- Do not place Gratings, Junction Boxes, Access Covers, or other appurtenances on any part of the Curb Ramp or Landing, or in the Depressed Curb and Gutter where the Landing connects to the roadway.
- See Contract Plans for the curb design specified. See Standard Plan F-10.12 for Curb, Curb and Gutter, Depressed Curb and Gutter, and Pedestrian Curb details.
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- The Bid Item "Cement Concrete Curb Ramp Type ___" does not include the adjacent Curb, Curb and Gutter, Depressed Curb and Gutter, Pedestrian Curb, or Sidewalks.
- The Curb Ramp length is not required to exceed 15 feet (unless shown otherwise in the Contract Plans). When applying the 15-foot max. length (measured from back of sidewalk) the running slope of the curb ramp is allowed to exceed 3.3%. Use a single constant slope from bottom of ramp to top of ramp to match into the sidewalk over a horizontal distance of 15 feet.
- Curb Ramps and Landings shall receive a broom finish. See Standard Specifications 8-14.
- Pedestrian Curb may be omitted if the ground surface at the back of the Curb Ramp and/or Landing will be at the same elevation as the Curb Ramp or Landing and there will be no material to retain.

LEGEND

- SLOPE IN EITHER DIRECTION 1.5% OR FLATTER RECOMMENDED FOR DESIGN/DRINKWORK (2% MAX.)
- 7.5% OR FLATTER RECOMMENDED FOR DESIGN/FORMWORK (8.3% MAX.) - SEE NOTE 7



REVISIONS		
REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17

PROJECT REF: FAC17-0009

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF AUBURN'S ENGINEERING REQUIREMENTS.

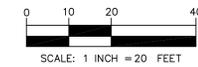
DEV. REVIEW ENGINEER: _____
APPROVED BY: _____
DATE APPROVED: _____

RECORD DRAWING CERTIFICATION
THESE DRAWINGS CONFORM TO THE CONTRACTOR'S CONSTRUCTION RECORDS.

BY: _____ DATE: _____

TITLE/PERSON: _____

CONFIRMED BY CITY: _____ DATE: _____



11400 s.e. 8th street | suite 345
 bellevue, wa 98004
 t: 425.453.9501 | f: 425-453-8208
 www.navixeng.com

CLIENT/OWNER

**AUBURN
 MEDICAL CENTER**

PROJECT NAME

**CENTRAL
 UTILITY PLANT
 PHASE 2**

NAVIX PROJECT NUMBER: 50-000-000

PROJECT ADDRESS

**29 1ST STREET NE
 AUBURN, WA 98002**

STAMP



REVISIONS

REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17



SECTION, TOWNSHIP, RANGE:
 SECTION 18, TOWNSHIP 21 NORTH,
 RANGE 5 EAST, W.M.

PROJECT TEAM

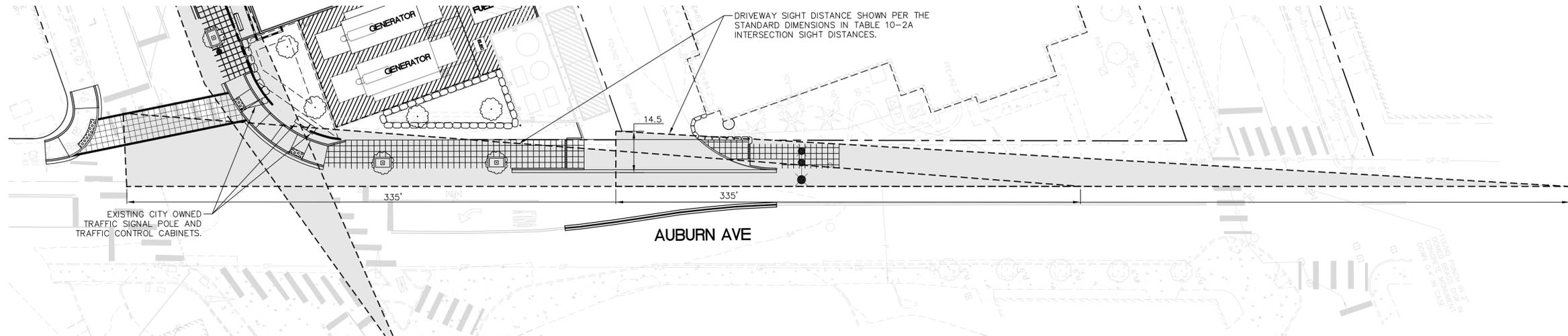
REVIEWED BY: J. TAFLIN
 DESIGNED BY: J. GREEN
 G. UNGERER

SHEET NAME

**PH2
 SIGHT DISTANCE
 PLAN**

SHEET NUMBER

C-1.3



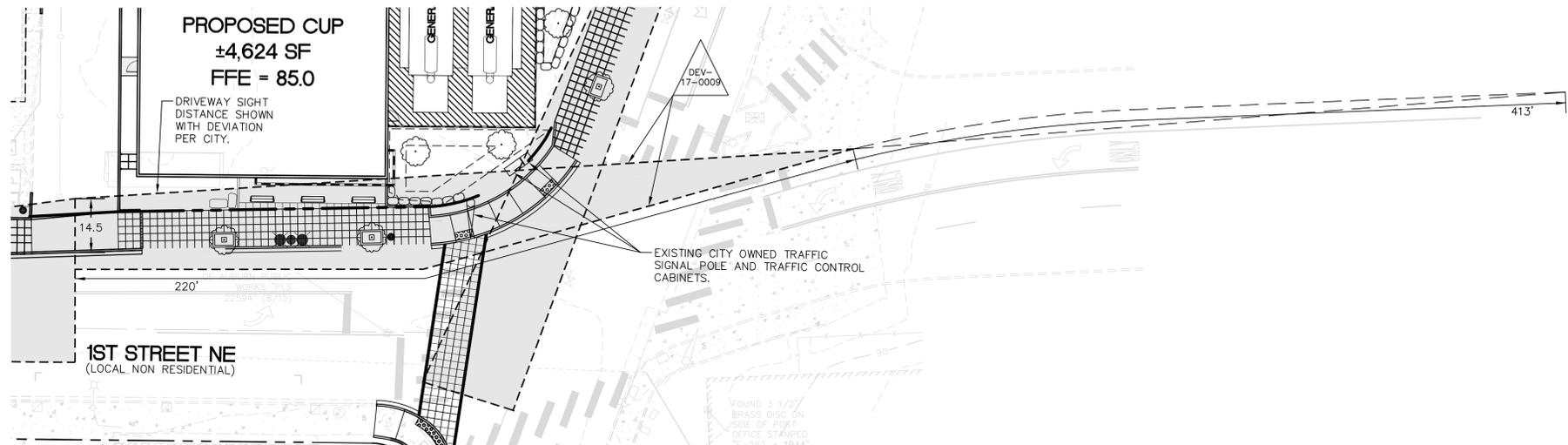
SIGHT DISTANCE (AUBURN AVE)

10.03.3 Table 10-2A Intersection Sight Distance

Design Speed (mph)	Intersection Sight Distance, (ft)		
	Uncontrolled Intersections* Use Figure 10-1	Two Way Stop Controlled Intersections** Use Figure 10-2 (Equation 10-3)	Dimension "a" for Right Turns (Table 10-2D)
15	70	170	145
20	90	225	195
25	115	280	240
30	140	335	290
35	165	390	335
40	195	445	385
45	220	500	430
50	245	555	480
55	285	610	530
60	325	665	575

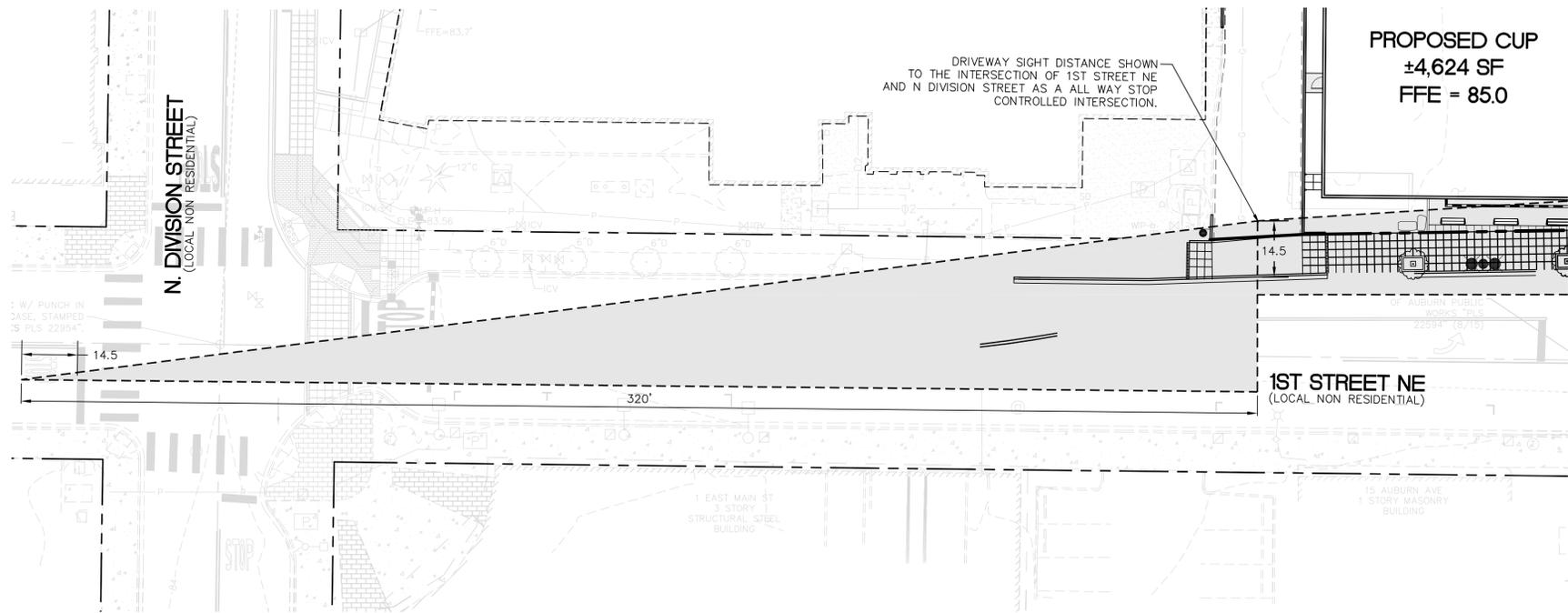
Equation 10-3:
 $JSD = 1.47V_{major}^2 f_g$
 JSD = intersection sight distance (length of the leg of sight distance triangle along the major road) (ft)
 V_{major} = design speed of major road (mph)
 f_g = time gap for minor road vehicle to enter the major road(s)

Data for this table was taken from the 6th edition of AASHTO's "A Policy on Geometric Design of Highways and Streets" manual's Exhibit 9-6.1 Length of Sight Triangle Leg-No Intersection Control, Exhibit 9-6.5 Design Intersection Sight Distance-Left Turn from Stop, and Exhibit 9-6.8 Design Intersection Sight Distance-Right Turn from Stop and Crossing Maneuver.
 * Where grade along an uncontrolled intersection approach exceeds 3%, the leg of the clear sight triangle along that approach should be adjusted by multiplying the sight distance listed in this table by the appropriate adjustment factor in Table 10-2B.
 ** Intersection sight distance shown is for a stopped passenger car to turn onto a two-lane road with no median and grades of three percent (3%) or less. For other conditions, the time gap (f_g) will need to be adjusted per Tables 10-2C/10-2D and the sight distance recalculated.
 *** Refer to the latest edition of the AASHTO manual for sight distance requirements on major street left turns and at-yield controlled intersections.



SIGHT DISTANCE 1ST STREET (LEFT TURN LOOKING EAST)

NOTE:
 THE AREA WITHIN THE SIGHT DISTANCE TRIANGLE SHALL BE FREE FROM ANY SIGHT-OBSCURING OBJECTS BETWEEN THREE FEET (3') AND EIGHT FEET (8') ABOVE THE GROUND.



SIGHT DISTANCE 1ST STREET (LEFT TURN LOOKING WEST)

APPROVED DEVIATION

CHAPTER 10.03.1.2 OF THE CITY OF AUBURN DESIGN STANDARDS FOR A MODIFIED CLEAR SIGHT DISTANCE FOR VIEWING TRAFFIC APPROACHING THE DRIVEWAY AT 1ST ST NE. SIGHT DISTANCE FOR LEFT TURNS CAN BE OBTAINED AT DISTANCES OF 220' AND 413' THROUGH A SIGNALLED INTERSECTION. PER THE 2015 WSDOT DESIGN MANUAL, SECTION 1310.05, IN EXISTING INTERSECTIONS WHERE THERE ARE EXISTING SIGHT OBSTRUCTIONS WITHIN THE SIGHT DISTANCE TRIANGLE THAT CANNOT BE REMOVED DUE TO LIMITED RIGHT-OF-WAY (LIKE THE CURRENTLY EXISTING TRAFFIC SIGNAL BOXES AND SIGNAL POLE), THE INTERSECTION SIGHT DISTANCE MAY BE REDUCED. VEHICLES ARE ALLOWED TO CREEP OUT UNTIL CLEAR SIGHT DISTANCE IS AVAILABLE OR UP TO 10' FROM THE TRAVELED WAY. A VEHICLE WOULD ONLY NEED TO CREEP OUT AN ADDITIONAL 1' FROM 14.5' TO 13.5' TO HAVE THE FULLY REQUIRED CLEAR SIGHT DISTANCE OF 335'. TO CLEAR THE EXISTING SIGNAL BOXES ENTIRELY, A VEHICLE WOULD NEED TO CREEP OUT APPROXIMATELY 3' FROM 14.5' TO 11.5' FROM THE TRAVELED WAY.

APPROVED 7/13/2017.

PROJECT REF: FAC17-0009

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF AUBURN'S ENGINEERING REQUIREMENTS.

DEV, REVIEW ENGINEER: _____
 APPROVED BY: _____
 DATE APPROVED: _____

RECORD DRAWING CERTIFICATION
 THESE DRAWINGS CONFORM TO THE CONTRACTOR'S CONSTRUCTION RECORDS.

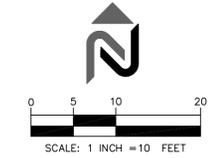
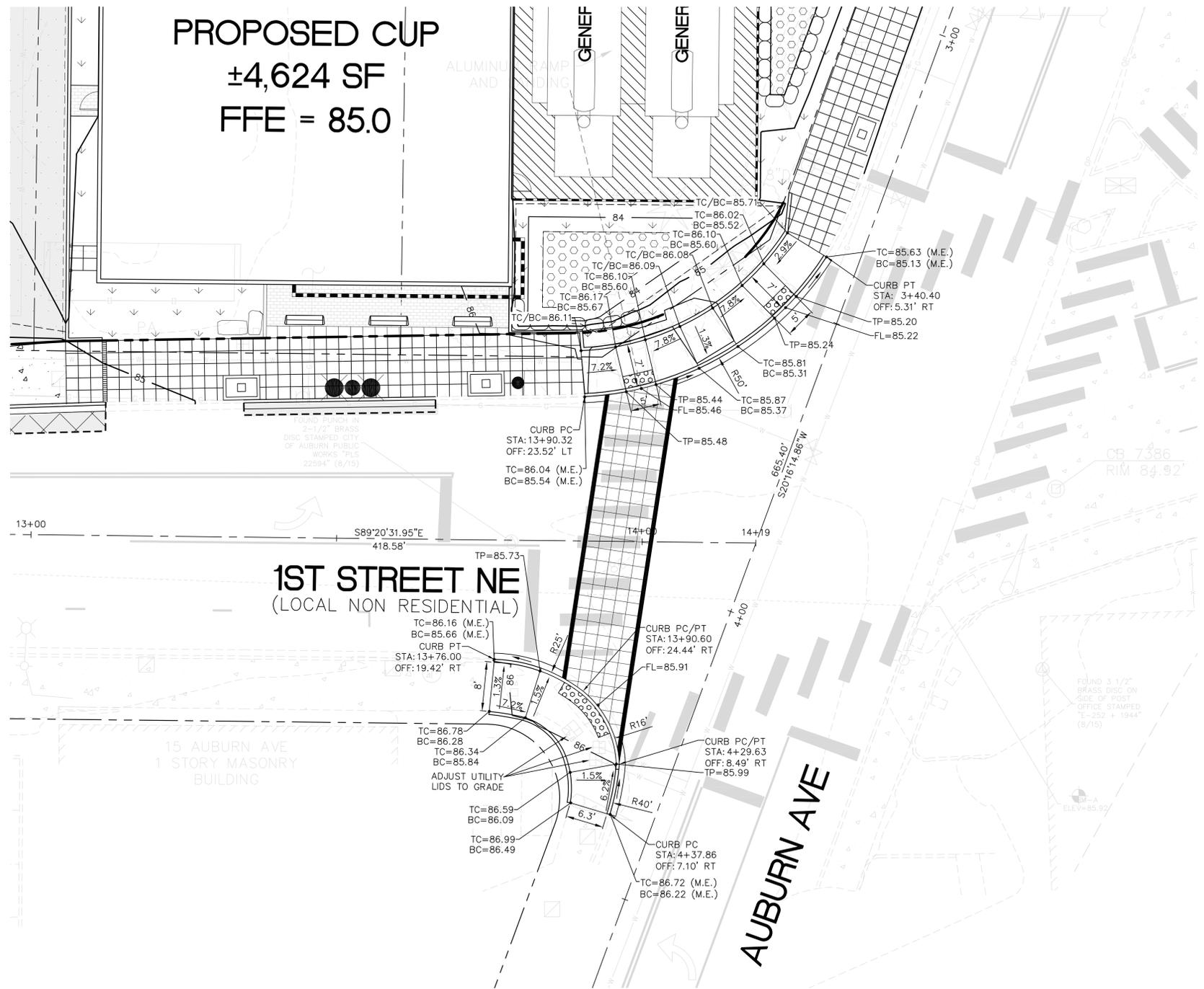
BY: _____ DATE: _____

TITLE/PERSON: _____

CONFIRMED BY CITY: _____ DATE: _____

B:\Washington\Auburn\MultiCore Auburn Medical Center\Drawings\Phase 2B - CUP\AMC_CUP_PH2\AMC_CUP_PH2_1105.dwg Jul 24, 2017 - 3:55pm

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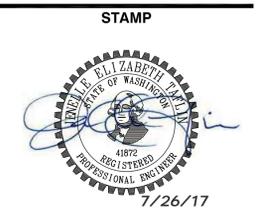
11400 s.e. 8th street | suite 345
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 www.navixeng.com

CLIENT/OWNER
AUBURN MEDICAL CENTER

PROJECT NAME
CENTRAL UTILITY PLANT PHASE 2

NAVIX PROJECT NUMBER: 50-000-000

PROJECT ADDRESS
**29 1ST STREET NE
 AUBURN, WA 98002**



REVISIONS		
REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17

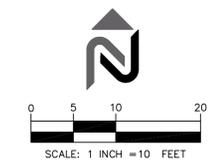
811
 SECTION, TOWNSHIP, RANGE:
 SECTION 18, TOWNSHIP 21 NORTH,
 RANGE 5 EAST, W.M.

PROJECT TEAM
 REVIEWED BY: J. TAFLIN
 DESIGNED BY: J. GREEN
 G. UNGERER

SHEET NAME
PH2 INTERSECTION PLAN
 SHEET NUMBER
C-1.4

PROJECT REF: FAC17-0009
 THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF AUBURN'S ENGINEERING REQUIREMENTS.
 DEV, REVIEW ENGINEER: _____
 APPROVED BY: _____
 DATE APPROVED: _____

RECORD DRAWING CERTIFICATION
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 CONFIRMED BY CITY: _____ DATE: _____



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CLIENT/OWNER

**AUBURN
 MEDICAL CENTER**

PROJECT NAME

**CENTRAL
 UTILITY PLANT
 PHASE 2**

NAVIX PROJECT NUMBER: 50-000-000

PROJECT ADDRESS

**29 1ST STREET NE
 AUBURN, WA 98002**

STAMP



REVISIONS

REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17



SECTION, TOWNSHIP, RANGE:

SECTION 18, TOWNSHIP 21 NORTH,
 RANGE 5 EAST, W.M.

PROJECT TEAM

REVIEWED BY: J. TAFLIN
 DESIGNED BY: J. GREEN
 G. UNGERER

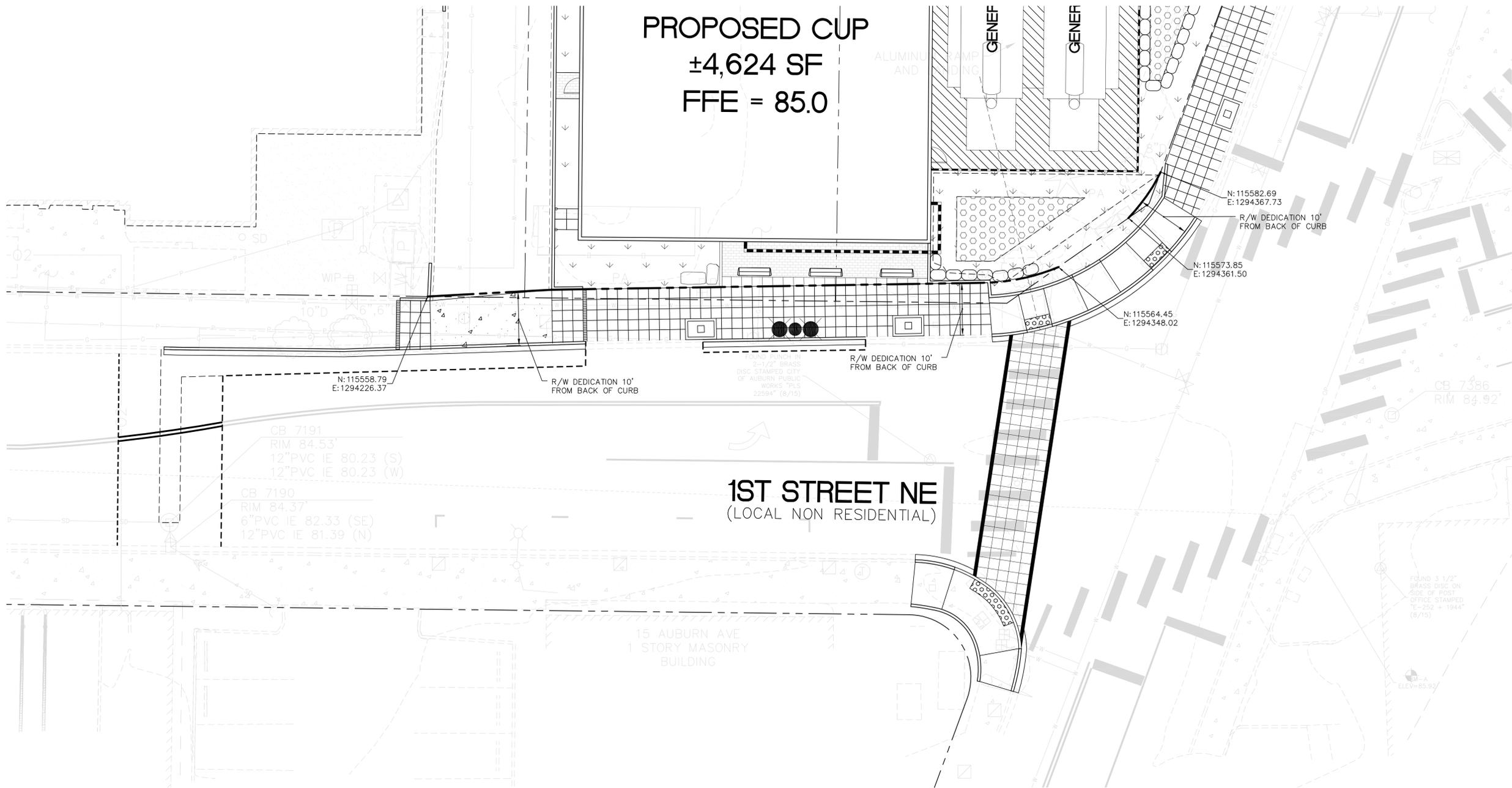
SHEET NAME

**PH2
 ROW DEDICATION
 PLAN**

SHEET NUMBER

C-1.5

PROPOSED CUP
 $\pm 4,624$ SF
 FFE = 85.0



PROJECT REF: FAC17-0009

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF AUBURN'S ENGINEERING REQUIREMENTS.

DEV. REVIEW ENGINEER: _____
 APPROVED BY: _____
 DATE APPROVED: _____

RECORD DRAWING CERTIFICATION
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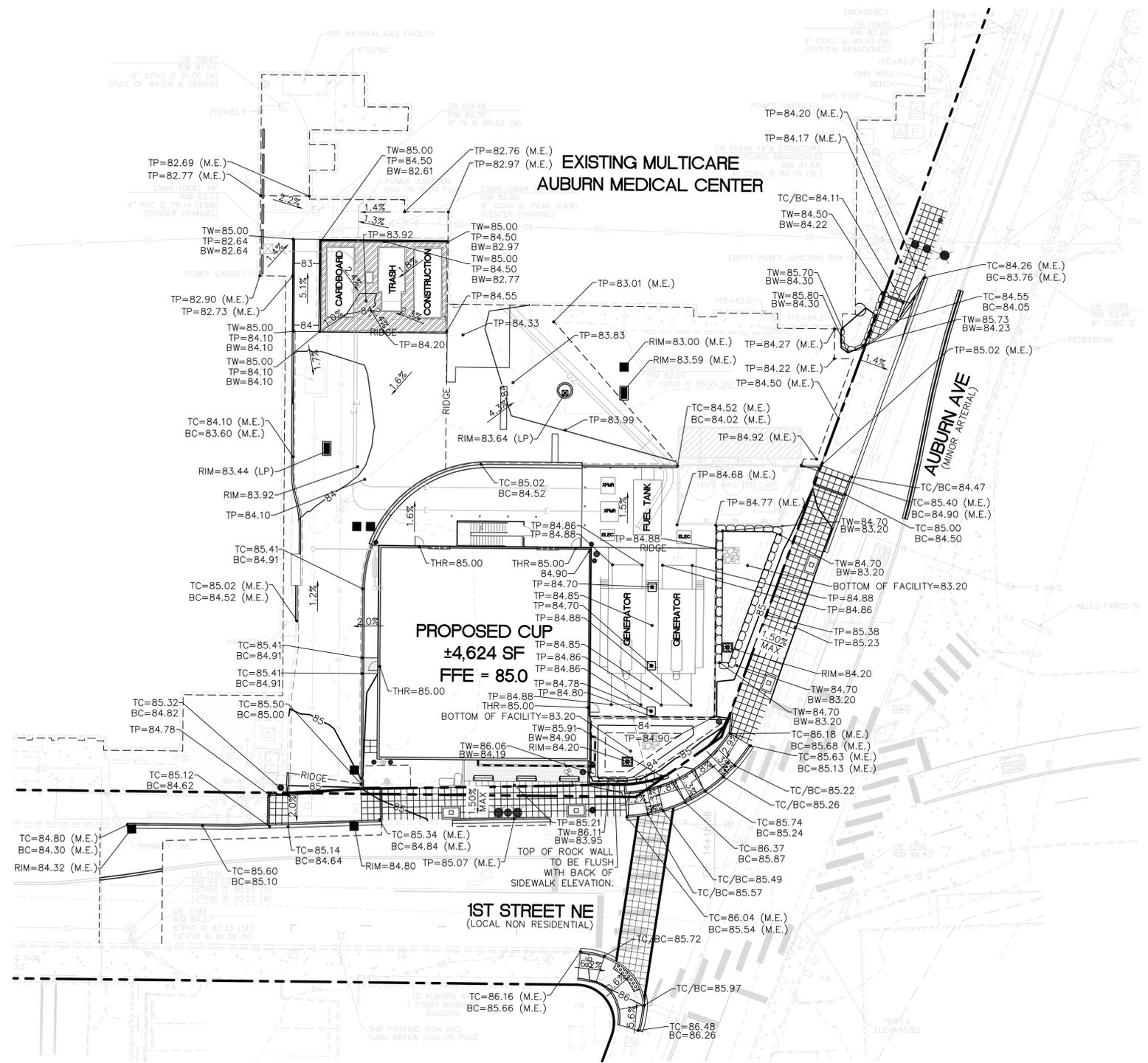
BY: _____ DATE: _____

TITLE/PERSON: _____

CONFIRMED BY CITY: _____ DATE: _____

B:\Washington\Auburn\MultiCore Auburn Medical Center\2Drawings\Phase 2B - CUP\AMC_CUP PH2\AMC_CUP PH2_1105.dwg Jul 24, 2017 - 3:55pm

B:\Washington\Auburn\Multicare Auburn Medical Center\Drawings\Phase 2B - CUP\AMC_CUP_Ph2\AMC_CUP_Ph2_1200.dwg Jul 24, 2017 - 4:18pm



LEGEND:

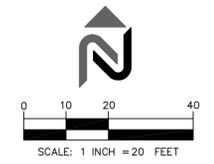
PROPERTY LINE	---
EXISTING CONTOUR	---
PROPOSED CONTOUR	---
SLOPE DIRECTION	---
SPOT ELEVATION	TP=83.55 (M.E.)
TOP OF PAVEMENT	TP
MATCH EXISTING	(M.E.)
DOOR THRESHOLD	THR
TOP OF FACE OF CURB	TC
BOTTOM OF FACE OF CURB	BC
FINISHED GRADE AT TOP OF WALL/ROCKERY	TW
FINISHED GRADE AT BOTTOM WALL/ROCKERY	BW
STORM STRUCTURE RIM	RIM

- GRADING NOTES**
- THE DESIGN SHOWN IS BASED UPON THE ENGINEER'S UNDERSTANDING OF THE EXISTING CONDITIONS. THE PLAN DOES NOT REPRESENT A DETAILED FIELD SURVEY. THE EXISTING CONDITIONS SHOWN ON THIS PLAN SHEET ARE BASED UPON THE TOPOGRAPHIC SURVEY PREPARED BY AXIS SURVEY AND MAPPING, DATED 08/24/2015, UPDATED ELECTRONIC VERSION OF THE TOPOGRAPHIC INFORMATION ON 04/28/2016 AND THE AUBURN MEDICAL CENTER CENTRAL UTILITY PLANT PHASE I PLANS DATED 11/02/2016. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING FIELD CONDITIONS PRIOR TO BIDDING THE PROPOSED SITEWORK IMPROVEMENTS. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITESWORK WHICH WOULD BE AFFECTED. IF CONTRACTOR DOES NOT ACCEPT EXISTING SURVEY, INCLUDING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS OWN EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.
 - CAUTION - NOTICE TO CONTRACTOR**
THE CONTRACTOR IS SPECIFICALLY CAUTIONED AT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
 - THE SPOT ELEVATIONS INDICATED ON THIS PLAN REPRESENT THE DESIGN TOP OF PAVEMENT, UNLESS OTHERWISE NOTED.
 - CONTRACTOR IS RESPONSIBLE FOR DEMOLITION OF EXISTING STRUCTURES INCLUDING REMOVAL OF ANY EXISTING UTILITIES SERVING THE STRUCTURE. UTILITIES ARE TO BE REMOVED TO THE RIGHT-OF-WAY.
 - ALL LANDSCAPE AREAS REQUIRE SOIL AMENDMENTS PER BMP T5.13. CONTRACTOR SHALL APPLY STABILIZATION FABRIC TO ALL SLOPES 3H:1V OR STEEPER.
 - ALL CUT AND FILL SLOPES SHALL BE CONSTRUCTED PER THE UBC CODE AND APPLICABLE LOCAL REGULATION. ALL CUT AND FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.
 - CONTRACTOR SHALL ASSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS AND SHALL GRADE ALL AREAS TO PRECLUDE PONDING OF WATER.
 - ALL POLLUTANTS OTHER THAN SEDIMENT ON-SITE DURING CONSTRUCTION SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER. THE CONTRACTOR SHALL ADHERE TO ALL TERMS AND CONDITIONS AS OUTLINED IN THE GENERAL N.P.D.E.S. PERMIT FOR STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
 - PROPERTIES AND WATERWAYS DOWNSTREAM OF THE SITE SHALL BE PROTECTED FROM EROSION DUE TO INCREASES IN THE VOLUME, VELOCITY AND PEAK FLOW RATE OF STORMWATER RUNOFF FROM PROJECT SITE.
 - CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO SAME.
 - CONTRACTOR TO REMOVE UNSUITABLE SOILS LOCATED WITHIN THE BUILDINGS SPLAY LINE OF THE FOOTINGS.
 - FOR BOUNDARY AND TOPOGRAPHIC INFORMATION REFER TO PROJECT SURVEY.
 - FOR LAYOUT INFORMATION REFER TO THE SITE PLAN.

EARTHWORK QUANTITIES:

SITE CUT VOLUME	=	310 CY
DETENTION FACILITY CUT VOLUME	=	390 CY
FOUNDATION CUT VOLUME	=	200 CY
UTILITY TRENCHING CUT VOLUME	=	450 CY
FILL VOLUME	=	160 CY
NET EXPORT	=	545 CY (CUT)
TOTAL EARTHWORK	=	1,190 CY

SEE INTERSECTION PLAN, SHEET C-14,
FOR DETAILED INTERSECTION GRADING.



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bellevue, wa 98004
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www.navixeng.com

CLIENT/OWNER
AUBURN MEDICAL CENTER

PROJECT NAME
CENTRAL UTILITY PLANT PHASE 2

NAVIX PROJECT NUMBER: 50-000-000

PROJECT ADDRESS
**29 1ST STREET NE
AUBURN, WA 98002**

STAMP

REVISIONS

REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17

SECTION, TOWNSHIP, RANGE:
SECTION 18, TOWNSHIP 21 NORTH,
RANGE 5 EAST, W.M.

PROJECT TEAM
REVIEWED BY: J. TAFLIN
DESIGNED BY: J. GREEN
G. UNGERER

SHEET NAME
PH2 FINISH GRADING PLAN
SHEET NUMBER
C-2.0

PROJECT REF: FAC17-0009

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF AUBURN'S ENGINEERING REQUIREMENTS.

DEV. REVIEW ENGINEER: _____
APPROVED BY: _____
DATE APPROVED: _____

RECORD DRAWING CERTIFICATION
THESE DRAWINGS CONFORM TO THE CONTRACTOR'S CONSTRUCTION RECORDS.

BY: _____ DATE: _____

TITLE/PERSON: _____

CONFIRMED BY CITY: _____ DATE: _____

CLIENT/OWNER

AUBURN MEDICAL CENTER

PROJECT NAME

CENTRAL UTILITY PLANT PHASE 2

NAVIX PROJECT NUMBER: 50-000-000

PROJECT ADDRESS

**29 1ST STREET NE
 AUBURN, WA 98002**

STAMP



REVISIONS		
REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17



SECTION, TOWNSHIP, RANGE:

SECTION 18, TOWNSHIP 21 NORTH,
 RANGE 5 EAST, W.M.

PROJECT TEAM

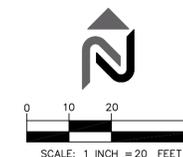
REVIEWED BY: J. TAFLIN
 DESIGNED BY: J. GREEN
 G. UNGERER

SHEET NAME

PH2 STORM DRAINAGE PLAN

SHEET NUMBER

C-2.1



LEGEND

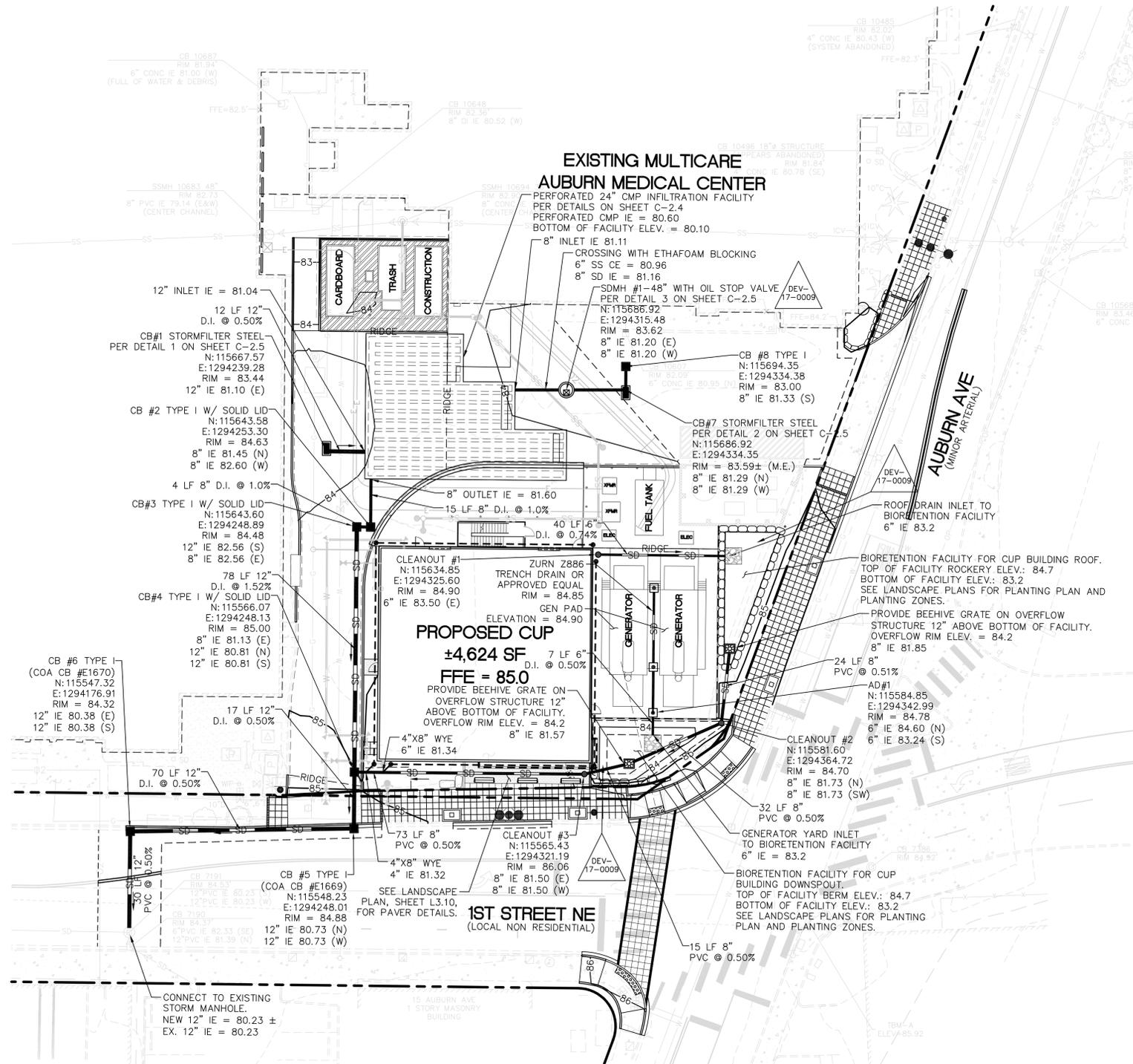
- STORM DRAIN PIPE (T-01.1 C.O.A.)
- 4" PERFORATED PVC FOOTING DRAIN
- YARD/AREA DRAIN NYOPLAST 12" AD OR APPROVED EQUAL
- STORM DRAIN CLEANOUT
- CATCH BASIN, TYPE 1/1L
- STORMFILTER STEEL CATCH BASIN
- 30" CMP INFILTRATION FACILITY
- BIORETENTION FACILITY (SEE LANDSCAPE PLANS FOR PLANTING PLAN AND PLANTING ZONES.)
- RIP RAP PAD

STORM DRAINAGE NOTES

- THE DESIGN SHOWN IS BASED UPON THE ENGINEER'S UNDERSTANDING OF THE EXISTING CONDITIONS. THE PLAN DOES NOT REPRESENT A DETAILED FIELD SURVEY. THE EXISTING CONDITIONS SHOWN ON THIS PLAN SHEET ARE BASED UPON THE TOPOGRAPHIC SURVEY PREPARED BY AXIS SURVEY AND MAPPING, DATED 08/24/2015, UPDATED ELECTRONIC VERSION OF THE TOPOGRAPHIC INFORMATION ON 04/28/2016 AND THE AUBURN MEDICAL CENTER CENTRAL UTILITY PLANT PHASE 1 PLANS DATED 11/02/2016. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING FIELD CONDITIONS PRIOR TO BIDDING THE PROPOSED SITEMARK IMPROVEMENTS. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITEMARK WHICH WOULD BE AFFECTED. IF CONTRACTOR DOES NOT ACCEPT EXISTING SURVEY, INCLUDING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS OWN EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.
- CAUTION - NOTICE TO CONTRACTOR**
 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE MOST CURRENT APPLICABLE LOCAL, STATE, AND FEDERAL STANDARDS.
- EXISTING DRAINAGE STRUCTURES TO BE INSPECTED AND REPAIRED AS NEEDED, AND EXISTING PIPES TO BE CLEANED OUT TO REMOVE ALL SILT AND DEBRIS.
- IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.
- STORM DRAINAGE PIPE WITH LESS THAN 2'-0" COVER SHALL BE DUCTILE IRON PIPE, OR APPROVED EQUAL TO SUSTAIN H=20 LOADING.
- ALL ONSITE STORM DRAINAGE PIPE SHALL BE SMOOTH WALLED INTERIOR, MANUFACTURER'S VERIFICATION OF MANNING'S ROUGHNESS COEFFICIENT N=0.012 OR LESS.
- PRECAST STRUCTURES MAY BE USED AT CONTRACTOR'S OPTION.
- ALL CATCH BASINS AND AREA DRAINS ARE TO BE SITUATED SUCH THAT THE OUTSIDE EDGE OF GRATE FRAME IS AT TOE OF CURB OR FLOW LINE OF GUTTER (WHERE APPLICABLE).
- CATCH BASIN INLET PROTECTION / EROSION CONTROL TO BE USED FOR ALL NEW INLETS.
- ALL STORM PIPE ENTERING STRUCTURES SHALL BE GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT.
- ALL STORM SEWER MANHOLES IN PAVED AREAS SHALL BE FLUSH WITH PAVEMENT, AND SHALL HAVE TRAFFIC BEARING RING AND COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER".
- ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR INVERT FROM INVERT IN TO INVERT OUT, UNLESS OTHERWISE SHOWN IN THE CATCH BASIN DETAIL.
- CONTRACTOR SHALL CONNECT ROOF DRAIN LEADERS TO PROPOSED STORM DRAINS AS SHOWN.
- CONTRACTOR SHALL PROVIDE SOIL AMENDMENTS PER COA BMP T5.13 WHERE APPLICABLE. SEE LANDSCAPE PLANS FOR DETAIL.
- SEE LANDSCAPE PLANS FOR PLANTING PLAN AND PLANTING ZONES.

APPROVED DEVIATIONS

- VOLUME V, CHAPTER 4.3 OF THE CITY OF AUBURN SURFACE WATER MANAGEMENT MANUAL FOR STORM FACILITY SETBACKS LESS THAN 10- FEET FROM ANY STRUCTURE AND 5- FEET FROM ANY PROPERTY LINE. APPROVED 6/13/2017.
- PER CHAPTER 3.2 OF VOLUME V OF THE CITY OF AUBURN (COA) SURFACE WATER MANAGEMENT MANUAL, THE FOLLOWING OIL CONTROL FACILITIES ARE APPROVED: API-TYPE OIL/WATER SEPARATOR, COALESCING PLATE OIL/WATER SEPARATOR, LINEAR SAND FILTER. THE USE OF THE OIL STOP VALVE (AN EMERGING STORMWATER TREATMENT TECHNOLOGIES) IS APPROVED FOR USE ON 7/20/2017.

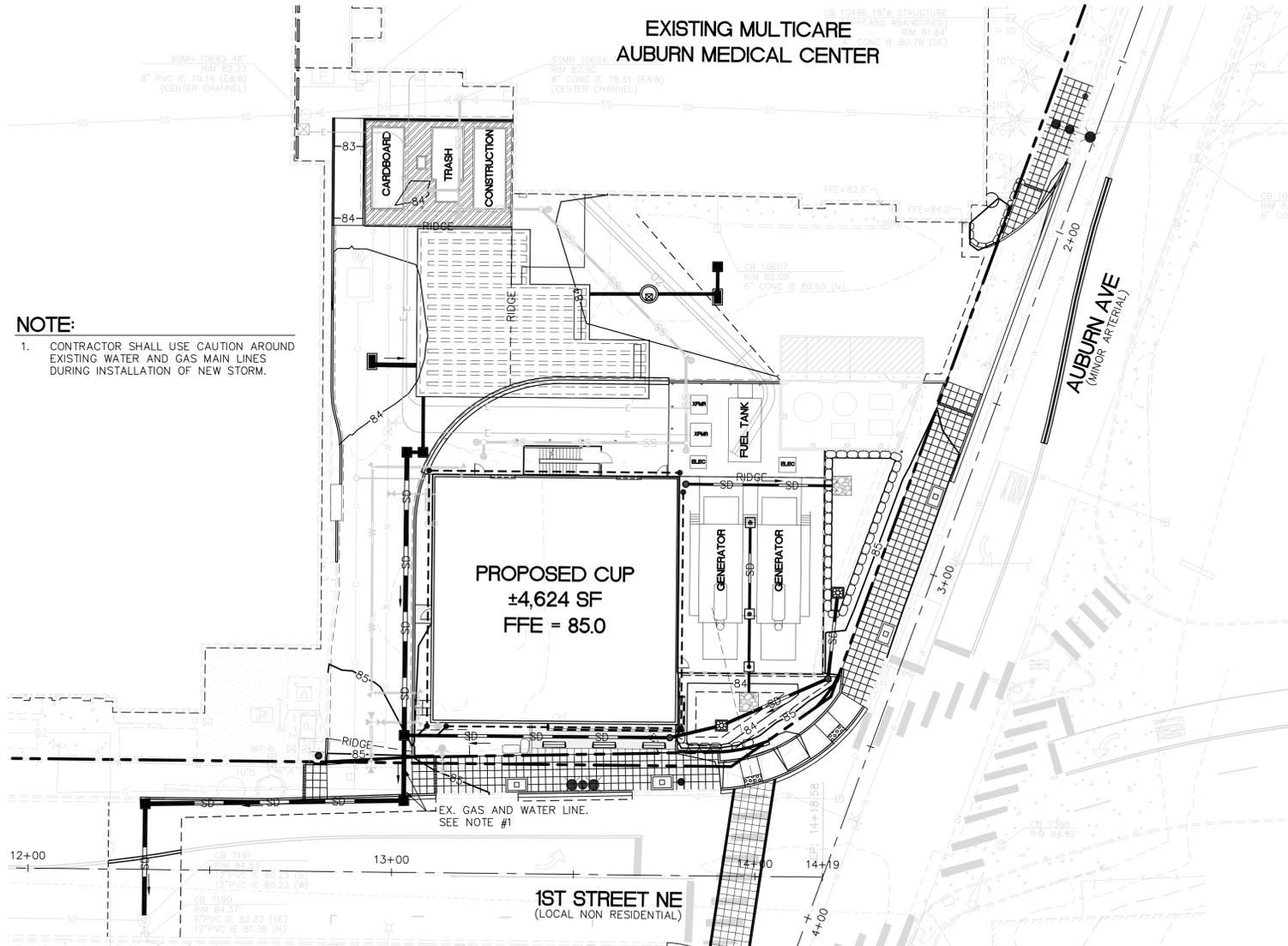


PROPOSED INFILTRATION FACILITIES PROTECTION NOTES:

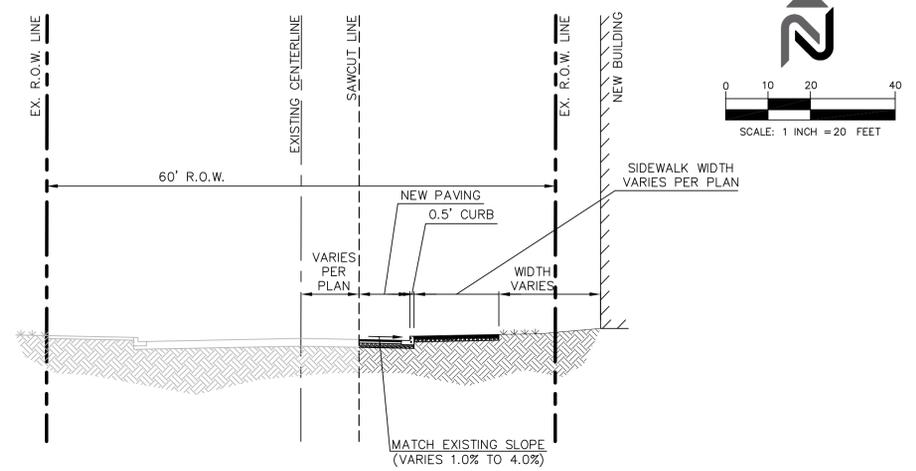
- THE PERMANENT INFILTRATION FACILITIES SHOULD NOT BE USED AS TEMPORARY SETTLING BASINS DURING CONSTRUCTION.
- INITIAL FACILITY EXCAVATION LOCATIONS SHALL BE CONDUCTED TO WITHIN 1-FOOT OF THE FINAL ELEVATION OF THE FACILITY FLOOR. EXCAVATE TO FINAL GRADE ONLY AFTER ALL DISTURBED AREAS IN THE UPGRADE PROJECT DRAINAGE AREA HAVE BEEN PERMANENTLY STABILIZED.
- THE FINAL PHASE OF EXCAVATION SHALL REMOVE ALL ACCUMULATION OF SILT IN THE FACILITY LOCATIONS BEFORE PUTTING IT IN SERVICE.
- MINIMIZING COMPACTION OF NATIVE SOILS AT INFILTRATION FACILITY LOCATIONS IS CRITICAL TO AVOID FAILURE OF THE FINISHED FACILITIES. SO PRESERVE UNCOMPACTED SOIL DURING CONSTRUCTION ACTIVITIES. EXCAVATION, SOIL PLACEMENT, OR SOIL AMENDMENT SHALL NOT BE ALLOWED DURING WET OR SATURATED CONDITIONS. EXCAVATION SHOULD BE PERFORMED BY MACHINERY OPERATING ADJACENT TO THE FACILITIES AND NO HEAVY EQUIPMENT WITH NARROW TRACKS, NARROW TIRES, OR LARGE LUGGED, HIGH PRESSURE TIRES SHOULD BE ALLOWED ON THE BOTTOM OF THE FACILITIES. IF MACHINERY MUST OPERATE IN THE FACILITY LOCATIONS FOR EXCAVATION, LIGHT WEIGHT, LOW GROUND-CONTACT PRESSURE EQUIPMENT SHOULD BE USED AND THE FACILITY'S BASE SHALL BE SCARIFIED AT COMPLETION (IF NECESSARY) TO REFRACATURE THE SOIL TO A MINIMUM DEPTH OF 12 INCHES.
- CONTRACTOR SHALL VERIFY DESIGN INFILTRATION RATE OF 1.5"/HOUR PRIOR TO INSTALLATION OF INFILTRATION FACILITIES.

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EXISTING MULTICARE
AUBURN MEDICAL CENTER



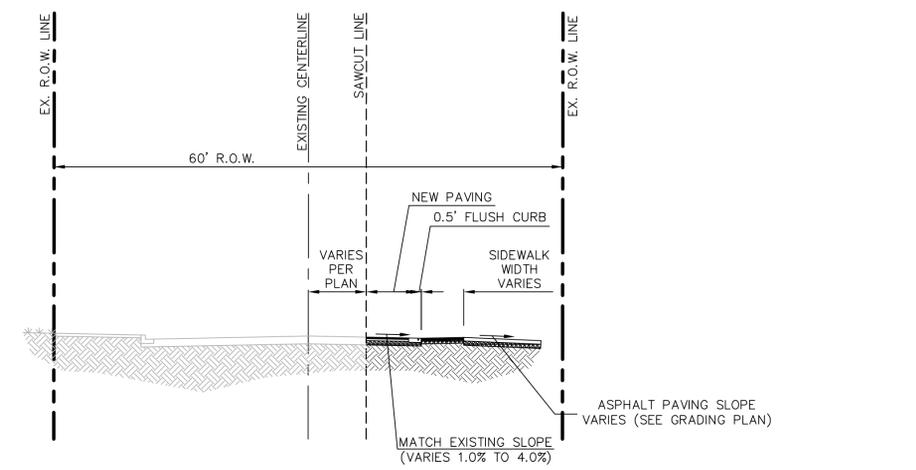
NOTE:
1. CONTRACTOR SHALL USE CAUTION AROUND EXISTING WATER AND GAS MAIN LINES DURING INSTALLATION OF NEW STORM.



TYPICAL NON-DRIVEWAY SECTION

SCALE: N.T.S.

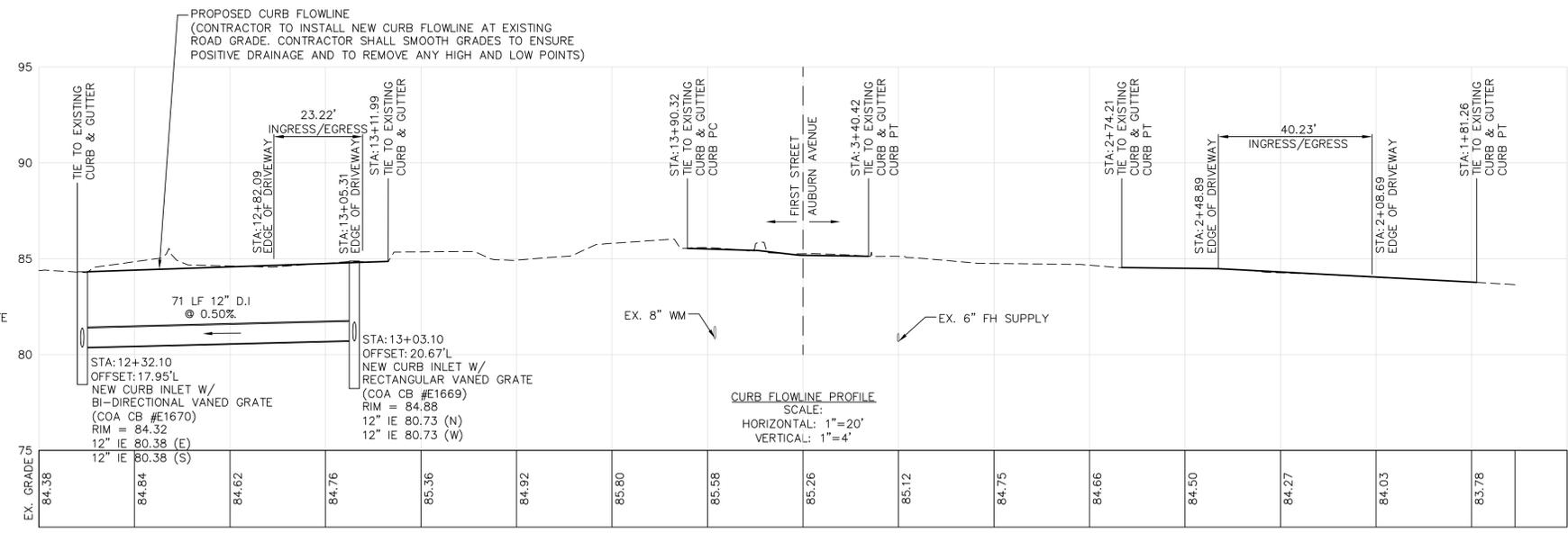
1



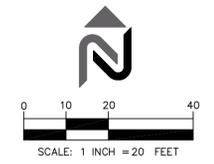
TYPICAL DRIVEWAY SECTION

SCALE: N.T.S.

2



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11400 s.e. 8th street | suite 345
bellevue, wa 98004
t: 425.453.9501 | f: 425-453-8208
www.navixeng.com

CLIENT/OWNER

**AUBURN
MEDICAL CENTER**

PROJECT NAME

**CENTRAL
UTILITY PLANT
PHASE 2**

NAVIX PROJECT NUMBER: 50-000-000

PROJECT ADDRESS

**29 1ST STREET NE
AUBURN, WA 98002**

STAMP



7/26/17

REVISIONS

REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17



SECTION, TOWNSHIP, RANGE:
SECTION 18, TOWNSHIP 21 NORTH,
RANGE 5 EAST, W.M.

PROJECT TEAM

REVIEWED BY: J. TAFLIN
DESIGNED BY: J. GREEN
G. UNGERER

SHEET NAME
**PH2 CURB AND
STORM
DRAINAGE
PROFILE**
SHEET NUMBER

C-2.2

PROJECT REF: FAC17-0009

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF AUBURN'S ENGINEERING REQUIREMENTS.

DEV. REVIEW ENGINEER: _____
APPROVED BY: _____
DATE APPROVED: _____

RECORD DRAWING CERTIFICATION
THESE DRAWINGS CONFORM TO THE
CONTRACTOR'S CONSTRUCTION RECORDS.

BY: _____ DATE: _____

TITLE/PERSON: _____

CONFIRMED BY CITY: _____ DATE: _____

CLIENT/OWNER

**AUBURN
 MEDICAL CENTER**

PROJECT NAME

**CENTRAL
 UTILITY PLANT
 PHASE 2**

NAVIX PROJECT NUMBER: 50-000-000

PROJECT ADDRESS

**29 1ST STREET NE
 AUBURN, WA 98002**

STAMP



REVISIONS

REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17

SECTION, TOWNSHIP, RANGE:

SECTION 18, TOWNSHIP 21 NORTH,
 RANGE 5 EAST, W.M.

PROJECT TEAM

REVIEWED BY: J. TAFLIN
 DESIGNED BY: J. GREEN
 G. GERGER

SHEET NAME

**PH2 STORM
 DRAINAGE
 DETAILS**

SHEET NUMBER

C-2.5

STORMFILTER STEEL CATCHBASIN DESIGN NOTES

STORMFILTER TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. 1 CARTRIDGE CATCHBASIN HAS A MAXIMUM OF ONE CARTRIDGE, SYSTEM IS SHOWN WITH A 27" CARTRIDGE, AND IS ALSO AVAILABLE WITH AN 18" CARTRIDGE. STORMFILTER CATCHBASIN CONFIGURATIONS ARE AVAILABLE WITH A DRY INLET BAY FOR VECTOR CONTROL. PEAK HYDRAULIC CAPACITY PER TABLE BELOW. IF THE SITE CONDITIONS EXCEED PEAK HYDRAULIC CAPACITY, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

CARTRIDGE SELECTION	27"	18"	18" DEEP
CARTRIDGE HEIGHT	3.05'	2.3'	3.3'
RECOMMENDED HYDRAULIC DROP (H)	2.05'	1.35'	2.35'
SPECIFIC FLOW RATE (gpm/ft ²)	2.25	1.875	1.125
CARTRIDGE FLOW RATE (gpm)	15	12.53	7.5
PEAK HYDRAULIC CAPACITY	1.0	1.0	1.8
INLET PERMANENT POOL LEVEL (A)	1'-0"	1'-0"	2'-0"
OVERALL STRUCTURE HEIGHT (B)	4'-0"	3'-0"	4'-0"

* 1.07 gpm/ft² SPECIFIC FLOW RATE IS APPROVED WITH PHOSPHOSORB® (PSORB) MEDIA ONLY.

GENERAL NOTES

- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- FOR SITE SPECIFIC DRAWINGS WITH DETAILED STORMFILTER CATCHBASIN STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
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1-CARTRIDGE CATCHBASIN STORMFILTER DATA

STRUCTURE ID	CB #7
WATER QUALITY FLOW RATE (cfs)	0.0128
PEAK FLOW RATE (<1 cfs)	0.3786
RETURN PERIOD OF PEAK FLOW (yrs)	100
CARTRIDGE HEIGHT (27", 18", 18" DEEP)	18"
CARTRIDGE FLOW RATE (gpm)	15
MEDIA TYPE (PERLITE, ZPG, PSORB)	ZPG
RIM ELEVATION	83.44'

PIPE DATA

PIPE DATA	I.E.	DIAMETER
INLET STUB	N/A	N/A
OUTLET STUB	81.10'	12"

CONFIGURATION

OUTLET INLET INLET

SLOPED LID: NO
 SOLID COVER: NO

NOTES/SPECIAL REQUIREMENTS:

CONTECH ENGINEERED SOLUTIONS LLC
 9025 Centre Pointe Dr., Suite 400, West Chester, OH 45380
 800-220-0999 513-945-0700 513-945-7993 FAX

1

STORMFILTER STEEL CATCHBASIN DESIGN NOTES

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CARTRIDGE FLOW RATE (gpm)	15
MEDIA TYPE (PERLITE, ZPG, PSORB)	ZPG
RIM ELEVATION	83.44'

PIPE DATA

PIPE DATA	I.E.	DIAMETER
INLET STUB	N/A	N/A
OUTLET STUB	81.10'	12"

CONFIGURATION

OUTLET INLET INLET

SLOPED LID: NO
 SOLID COVER: NO

NOTES/SPECIAL REQUIREMENTS:

CONTECH ENGINEERED SOLUTIONS LLC
 9025 Centre Pointe Dr., Suite 400, West Chester, OH 45380
 800-220-0999 513-945-0700 513-945-7993 FAX

STORMFILTER CATCHBASIN (CB #1)

N.T.S.

OIL STOP VALVE

N.T.S.

2

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PEAK FLOW RATE (<1 cfs)	0.3786
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CARTRIDGE FLOW RATE (gpm)	15
MEDIA TYPE (PERLITE, ZPG, PSORB)	ZPG
RIM ELEVATION	83.59'

PIPE DATA

PIPE DATA	I.E.	DIAMETER
INLET STUB	N/A	N/A
OUTLET STUB	81.29'	8"

CONFIGURATION

OUTLET INLET INLET

SLOPED LID: NO
 SOLID COVER: NO

NOTES/SPECIAL REQUIREMENTS:

CONTECH ENGINEERED SOLUTIONS LLC
 9025 Centre Pointe Dr., Suite 400, West Chester, OH 45380
 800-220-0999 513-945-0700 513-945-7993 FAX

STORMFILTER CATCHBASIN (CB #7)

N.T.S.

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CLIENT/OWNER

**AUBURN
 MEDICAL CENTER**

PROJECT NAME

**CENTRAL
 UTILITY PLANT
 PHASE 2**

NAVIX PROJECT NUMBER: 50-000-000

PROJECT ADDRESS

**29 1ST STREET NE
 AUBURN, WA 98002**

STAMP



REVISIONS

REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17



SECTION, TOWNSHIP, RANGE:

SECTION 18, TOWNSHIP 21 NORTH,
 RANGE 5 EAST, W.M.

PROJECT TEAM

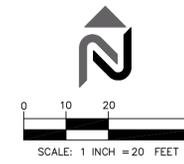
REVIEWED BY: J. TAFLIN
 DESIGNED BY: J. GREEN
 G. UNGERER

SHEET NAME

**PH2 UTILITY
 PLAN**

SHEET NUMBER

C-3.0



LEGEND

	DOMESTIC WATER PIPE		SANITARY SEWER PIPE
	WATER TEE W/ THRUST BLOCKING		SANITARY SEWER CLEANOUT
	GATE VALVE		SANITARY SEWER WYE
	FIRE HYDRANT		GAS METER
	FIRE DEPARTMENT CONNECTION (FDC)		
	POST INDICATOR VALVE (PIV)		
	WATER BEND W/ THRUST BLOCKING		

GENERAL UTILITY NOTES

- ALL IMPROVEMENTS SHALL MEET LOCAL, STATE DOT AND A.P.W.A. STANDARD SPECIFICATIONS.
- THE DESIGN SHOWN IS BASED UPON THE ENGINEER'S UNDERSTANDING OF THE EXISTING CONDITIONS. THIS PLAN DOES NOT REPRESENT A DETAILED FIELD SURVEY. THE EXISTING CONDITIONS SHOWN ON THIS PLAN SHEET ARE BASED UPON THE TOPOGRAPHIC SURVEY PREPARED BY A SURVEY AND MAPPING, DATED 08/24/2015, UPDATED ELECTRONIC VERSION OF THE TOPOGRAPHIC INFORMATION ON 04/28/2016 AND THE AUBURN MEDICAL CENTER CENTRAL UTILITY PLANT PHASE I PLANS DATED 11/02/2016. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING FIELD CONDITIONS PRIOR TO BIDDING THE PROPOSED SITEMARK IMPROVEMENTS. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITEMARK WHICH WOULD BE AFFECTED. IF CONTRACTOR DOES NOT ACCEPT EXISTING SURVEY, INCLUDING TOPOGRAPHY, AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, HE SHALL HAVE MADE, AT HIS OWN EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR AND SUBMIT IT TO THE OWNER FOR REVIEW.
- CAUTION - NOTICE TO CONTRACTOR THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES AND EXISTING IMPROVEMENTS WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS ON THE PLANS.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AND DIMENSIONS OF SLOPED PAVING, EXIT PORCHES, SIDEWALKS, RAMPS AND TRUCK DOCKS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.
- REFER TO INTERIOR PLUMBING DRAWINGS FOR TIE-IN OF ALL UTILITIES.
- ALL FILL MATERIAL SHALL BE IN PLACE, AND COMPACTED BEFORE INSTALLATION OF PROPOSED UTILITIES.
- CONTRACTOR SHALL NOTIFY THE UTILITY AUTHORITIES INSPECTORS 72 HOURS BEFORE CONNECTING TO ANY EXISTING LINE.
- MINIMUM WATER AND SANITARY SEWER TRENCH WIDTH SHALL BE 2 FEET.
- ALL UTILITIES SHOULD BE KEPT TEN (10') APART (PARALLEL) OR WHEN CROSSING 18" VERTICAL CLEARANCE (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPES UNLESS OTHERWISE NOTED IN PLAN.)
- IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATERLINES, SANITARY LINES, STORM LINES AND GAS LINE (EXISTING AND PROPOSED), THE SANITARY LINE SHALL BE DUCTILE IRON PIPE WITH MECHANICAL JOINTS AT LEAST 10 FEET ON BOTH SIDES OF CROSSING. THE WATERLINE SHALL BE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED TO PROVIDE A MINIMUM OF 18" CLEARANCE, MEETING REQUIREMENTS OF ANSI A21.10 AND ANSI 21.11 (AWWA C-151) (CLASS 50).
- LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED AND APPROVED BEFORE BACKFILLING.
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE SPECIFICATIONS OF THE LOCAL AUTHORITIES WITH REGARD TO MATERIALS AND INSTALLATION OF THE WATER AND SEWER LINES.
- ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICE.
- CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
- UNABLE TO FIELD LOCATE EXISTING METER LOCATION. CONTRACTOR TO FIELD VERIFY LOCATION PRIOR TO CONSTRUCTION.

FIRE SPRINKLER NOTES

- SPRINKLER SYSTEMS SHALL MEET CITY OF AUBURN STANDARD 7.01.6.2 AND THE FOLLOWING REQUIREMENTS:
- PROPOSED FIRE LINE TO BE SIZED BY A FIRE PROTECTION ENGINEER.
 - BACKFLOW PROTECTION IS REQUIRED ON FIRE SPRINKLER LINES
 - A SEPARATE DETAILED PLAN OF THE UNDERGROUND FIRE SPRINKLER SUPPLY LINE SHALL BE APPROVED BY THE FIRE MARSHAL AND INSTALLED BY A WASHINGTON STATE CERTIFIED LEVEL "U" CONTRACTOR IN ACCORDANCE WITH WAC 212-80-010.
 - A POST INDICATOR VALVE SHALL BE INSTALLED ON THE FIRE SPRINKLER SUPPLY LINE TO ISOLATE THE SYSTEM FROM THE CITY'S WATER SYSTEM WHEN REQUIRED FOR REPAIR.
 - BLOCKING, PIPING, AND RODDING DETAILS SHALL BE PROVIDED WITHIN THE SUBMITTAL.
 - APPROVAL OF THE CIVIL PLANS DOES NOT APPROVE THE INSTALLATION OF THE SPRINKLER SYSTEM SUPPLY PIPING.

GENERAL SANITARY SEWER NOTES (NAVIX)

- LOCATIONS SHOWN OF EXISTING UTILITIES AND IMPROVEMENTS ARE APPROXIMATE ONLY, AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXACT LOCATIONS OF ALL UTILITIES AND IMPROVEMENTS TO AVOID DAMAGE OR DISTURBANCE.
- ALL WORK AND MATERIALS MUST BE IN ACCORDANCE WITH THE LATEST REVISION, INCLUDING ADDENDA AND UPDATES, OF THE CITY OF AUBURN PUBLIC WORKS STANDARDS. CONTRACTOR TO HAVE CITY OF AUBURN PUBLIC WORKS STANDARDS ON JOB SITE.
- ROAD RESTORATION SHALL BE PER CITY OF AUBURN/WSDOT STANDARDS.
- CONTRACTOR SHALL CALL 811, 48 HOURS PRIOR TO CONSTRUCTION, FOR AID IN LOCATION ANY EXISTING UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL KEEP TWO SETS OF PLANS ON SITE AT ALL TIMES FOR RECORDING "AS-BUILTS" INFORMATION. ONE SET SHALL BE SUBMITTED TO THE CITY OF AUBURN PUBLIC WORKS AT COMPLETION OF CONSTRUCTION.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE CITY OF AUBURN PUBLIC WORKS FOR A CONSTRUCTION MEETING.
- CONTRACTOR OR INDIVIDUAL SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CITY, COUNTY OR STATE MANDATED PERMITS CITY WILL NOT BE RESPONSIBLE FOR COORDINATING PERMITS REQUIRED OF OTHER GOVERNMENTAL AGENCIES.

WATER NOTES (NAVIX)

- ALL CONSTRUCTION/INSTALLATION OF WATER MAINS SHALL BE DONE IN A SAFE, NEAT AND WORKMANLIKE MANNER, AND UNDER SUPERVISION BY UTILITY PROVIDER FORCES AT ALL TIMES. ALL SAFETY REQUIREMENT FROM OSHA AND OTHER STATE REGULATING AGENCIES MUST BE MET.
- WATER MAIN PIPE MATERIAL SHALL BE CLASS 52 DUCTILE IRON PIPE MEETING LOCAL REQUIREMENTS. POLYETHYLENE WRAP IS REQUIRED ON ALL METALS.
- CONTRACTOR TO REFER TO CITY OF AUBURN STANDARDS FOR REQUIRED MINIMUM SEPARATION ON SERVICE TAPS ON A MAIN LINE.
- CLASS 52 DUCTILE IRON MAY BE DIRECT TAPPED FOR 3/4 INCH AND 1-INCH SIZE SERVICES. SADDLES SHALL BE USED ON ALL TAPS 1-1/4" - 2" DIAMETER IN ANY PUBLIC MAIN.
- ALL ELBOWS/BENDS ON WATER MAINS SHALL BE RESTRAINED IN ACCORDANCE WITH CITY OF AUBURN STANDARDS.
- A DEPTH OF 42" FROM FINISHED GRADE TO THE TOP OF THE WATER MAIN IS REQUIRED. PLACING WATER LINES SHALLOWER THAN 42" IS PROHIBITED.
- ALL NEW PIPES MUST BE PROPERLY FLUSHED, PRESSURE TESTED, AND CHLORINATED BY THE CONTRACTOR, AND INSPECTED BY UTILITY PROVIDER AND GOVERNMENTAL AGENCIES WITH JURISDICTION.
- ALL BACKFLOW PREVENTION DEVICES (DOUBLE CHECK BACKFLOW PREVENTORS, REDUCED PRESSURE BACKFLOW PREVENTORS, PRESSURE AND ATMOSPHERIC VACUUM BREAKERS, ETC.) MUST BE APPROVED BY THE UTILITY PROVIDER AND GOVERNMENTAL AGENCIES WITH JURISDICTION.
- ALL NEW CONNECTIONS TO EXISTING WATER MAINS REQUIRE ISSUANCE OF A PUBLIC WORKS PERMIT AND INSPECTION BY THE CITY OR GOVERNMENTAL AGENCIES WITH JURISDICTION PRIOR TO BACKFILLING.
- BACKFLOW PREVENTION DEVICES SHALL BE CONSTRUCTED OF CORROSION RESISTANT MATERIALS.
- THRUST BLOCKING PER CITY OF AUBURN STANDARD DETAIL W-01.1.

PROJECT REF: FAC17-0009

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF AUBURN'S ENGINEERING REQUIREMENTS.

DEV, REVIEW ENGINEER: _____
 APPROVED BY: _____
 DATE APPROVED: _____

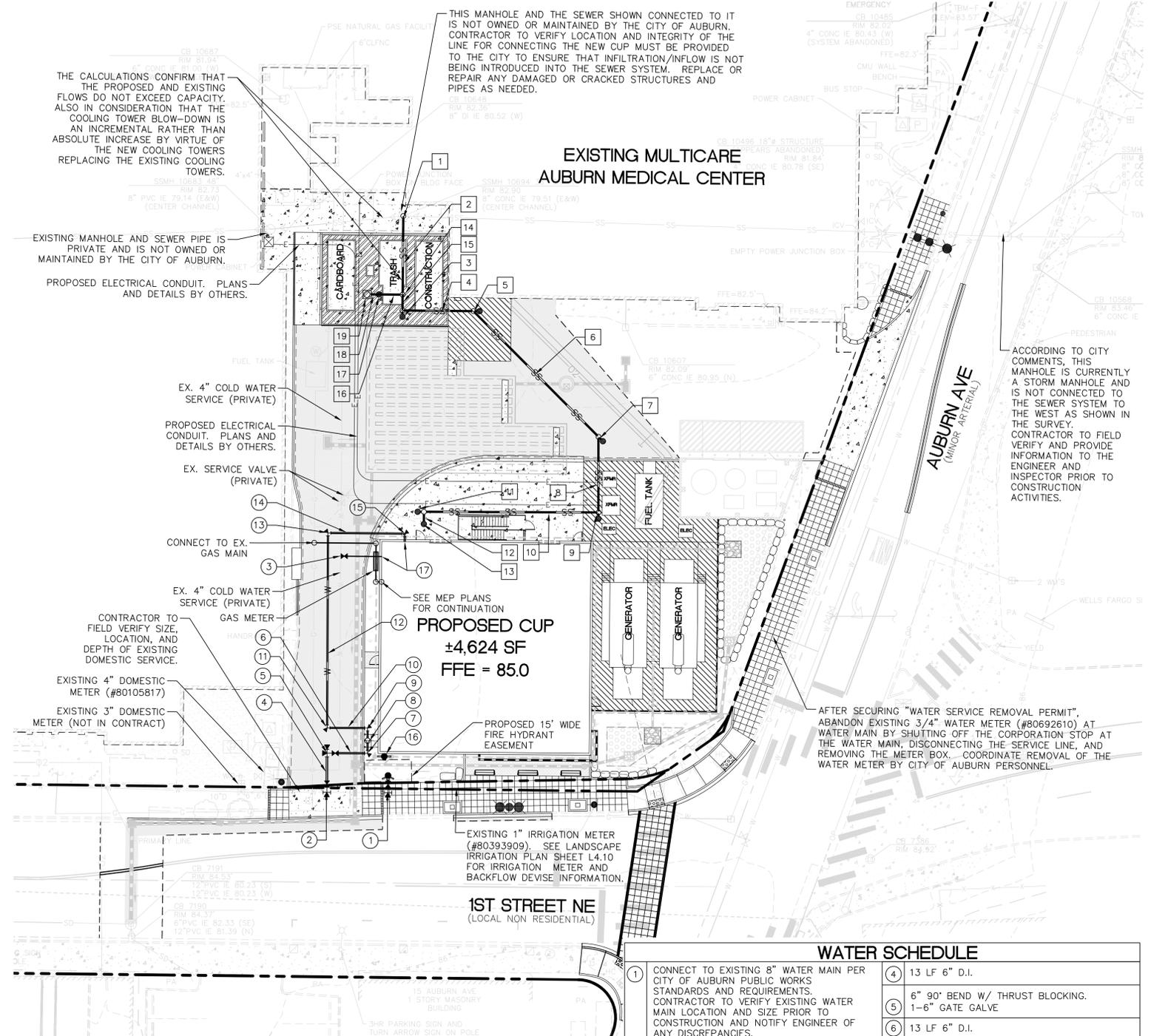
RECORD DRAWING CERTIFICATION
 THESE DRAWINGS CONFORM TO THE CONTRACTOR'S CONSTRUCTION RECORDS.

BY: _____ DATE: _____

TITLE/PERSON: _____

CONFIRMED BY CITY: _____ DATE: _____

**EXISTING MULTICARE
 AUBURN MEDICAL CENTER**



WATER SCHEDULE

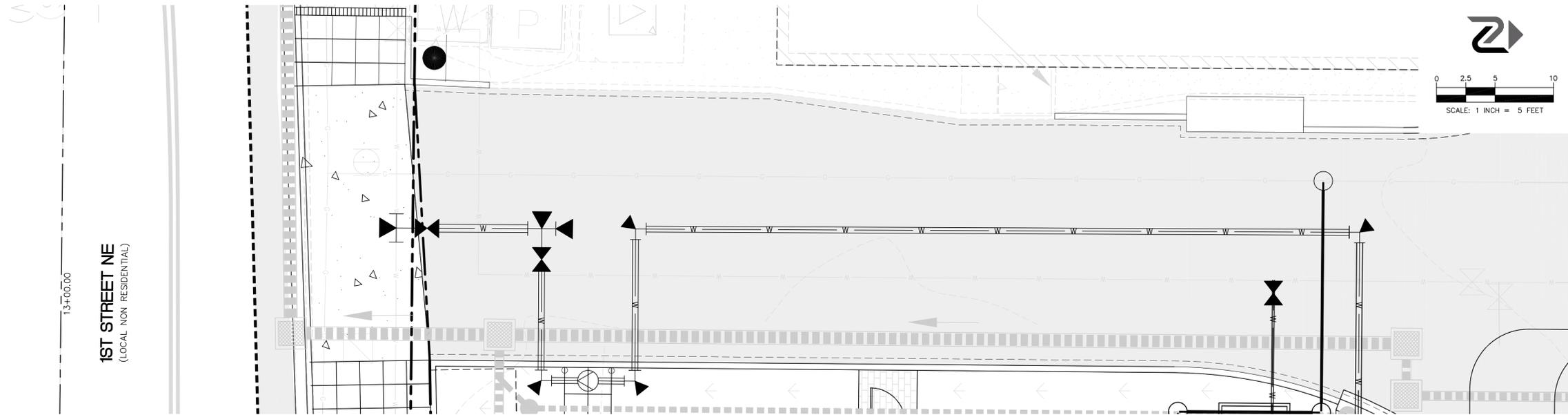
1	CONNECT TO EXISTING 8" WATER MAIN PER CITY OF AUBURN PUBLIC WORKS STANDARDS AND REQUIREMENTS. CONTRACTOR TO VERIFY EXISTING WATER MAIN LOCATION AND SIZE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. 1 - FIRE HYDRANT ASSEMBLY. SEE NOTE 4. (COA FIRE HYDRANT #5601) 1 - 8"x6" TEE (MJ x FL) 1 - 6" GATE VALVE (FL x MJ) 5 LF 6" D.I. FIRE HYDRANT LINE (COA GATE VALVE #8890) THRUST BLOCKING	4	13 LF 6" D.I.
2	CONNECT TO EXISTING 8" WATER MAIN PER CITY OF AUBURN PUBLIC WORKS STANDARDS AND REQUIREMENTS. CONTRACTOR TO VERIFY EXISTING WATER MAIN LOCATION AND SIZE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. 1 - FIRE SERVICE LINE 1 - 8"x6" TEE (MJ x FL) 1 - 6" GATE VALVE (FL x MJ) 1 (COA GATE VALVE #8891) THRUST BLOCKING	5	6" 90° BEND W/ THRUST BLOCKING. 1-6" GATE GALVE
3	CONNECT NEW 4" COLD WATER SERVICE TO EXISTING 4" WATER SERVICE PER CITY OF AUBURN PUBLIC WORKS STANDARDS AND REQUIREMENTS. CONTRACTOR TO VERIFY EXISTING WATER SERVICE LOCATION AND SIZE PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. 1 - 4"x4" TEE 1 - 4" GATE VALVE (FL x MJ) 13 LF 4" COLD WATER SERVICE (PRIVATE) THRUST BLOCKING	6	13 LF 6" D.I.
		7	6" 90° BEND W/ THRUST BLOCKING.
		8	POST INDICATOR VALVE
		9	6" 90° BEND W/ THRUST BLOCKING.
		10	13 LF 6" D.I.
		11	6" 90° BEND W/ THRUST BLOCKING.
		12	62 LF 6" D.I.
		13	6" 90° BEND W/ THRUST BLOCKING.
		14	25 LF 6" D.I.
		15	6" 90° BEND W/ THRUST BLOCKING. 3 LF 6" D.I.
		16	FIRE DEPARTMENT CONNECTION
		17	BUILDING CONNECTION RPBA AND DCVA (INSIDE INSTALLATION)
			SEE MEP PLANS FOR CONTINUATION

SANITARY SEWER SCHEDULE

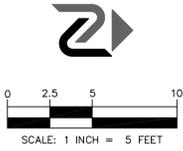
11	CONNECT TO EXISTING 8" SSMH EX. 8" IE = 79.51 NEW 6" IE = 79.61	11	SANITARY SEWER CLEANOUT RIM = 84.82 IE = 81.91
2	25 LF 6" PVC SDR 35 WW @ 1.00%	12	4 LF 6" PVC SDR 35 WW @ 1.50%
3	SANITARY SEWER WYE/CLEANOUT RIM = 84.44 IE = 79.91	13	SANITARY SEWER CLEANOUT SEE MEP PLANS FOR CONTINUATION RIM = 84.90 IE = 81.97
4	23 LF 6" PVC SDR 35 WW @ 1.00%	14	SANITARY SEWER WYE CONNECTION IE = 79.86
5	SANITARY SEWER WYE/CLEANOUT RIM = 84.14 IE = 80.14	15	5 LF 6" PVC SDR 35 WW @ 1.00%
6	57 LF 6" PVC SDR 35 WW @ 1.00%	16	8 LF 6" PVC SDR 35 WW @ 2.00%
7	SANITARY SEWER WYE/CLEANOUT RIM = 83.87 IE = 80.71	17	SANITARY SEWER CLEANOUT FOR TRASH COMPACTOR DRAIN RIM = 84.00 IE = 80.02
8	24 LF 6" PVC SDR 35 WW @ 1.50%	18	4 LF 6" PVC SDR 35 WW @ 2.00%
9	SANITARY SEWER WYE/CLEANOUT RIM = 84.76 IE = 81.07	19	AREA DRAIN PER DETAIL 5, SHEET C-2.3 WITH DOWN-TURNED ELBOW PER DETAIL 2, SHEET C-3.1. RIM = 83.92 IE = 80.10
10	56 LF 6" PVC SDR 35 WW @ 1.50%		

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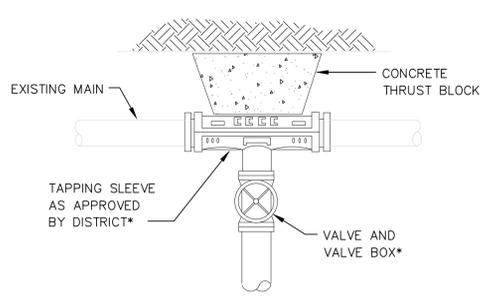
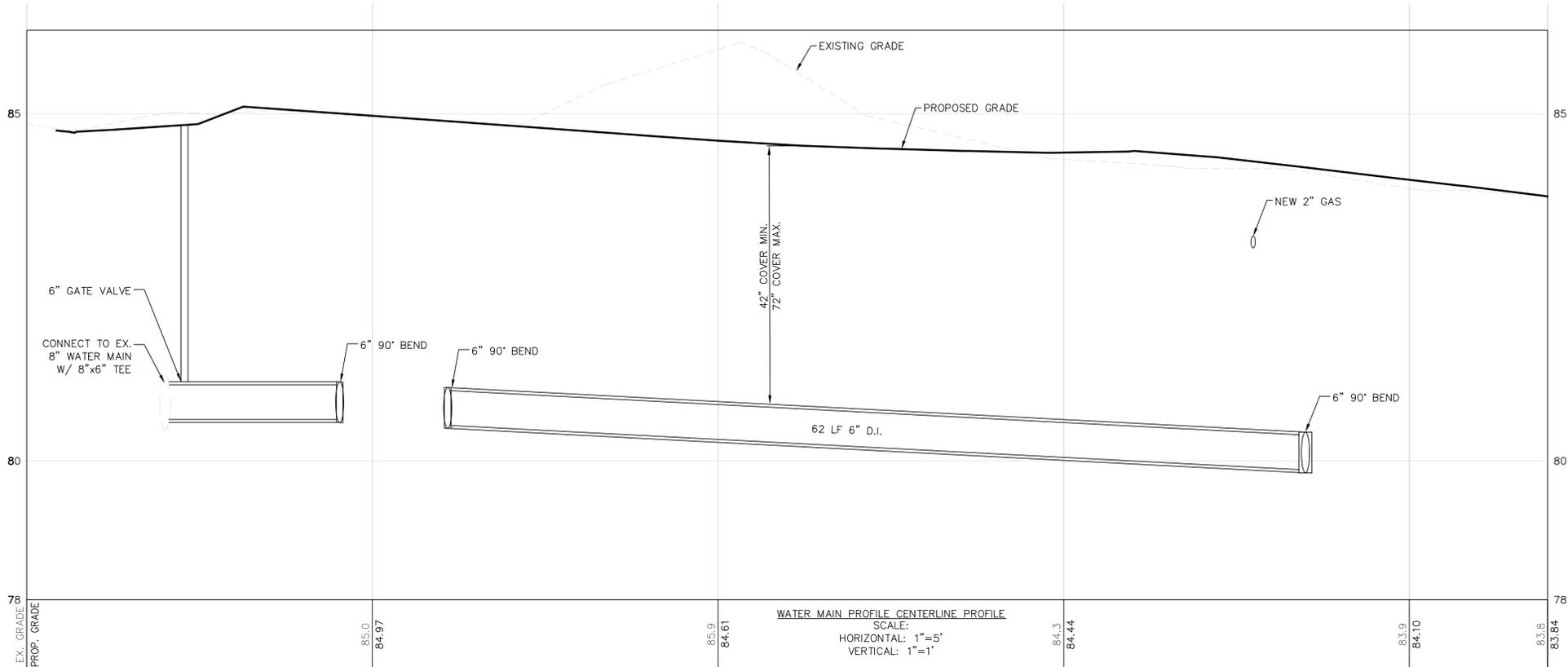


1ST STREET NE
(LOCAL NON RESIDENTIAL)



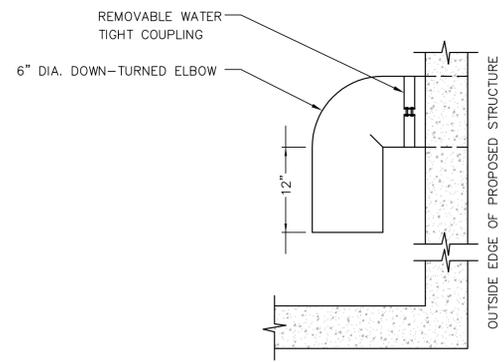
CROSS CONNECTION NOTES

- CROSS CONNECTION CONTROL SHALL MEET THE FOLLOWING REQUIREMENTS:
1. ALL BACKFLOW PREVENTION ASSEMBLIES SHALL BE INSTALLED IN A MANNER THAT WILL ALLOW PROPER OPERATION, AND IN-LINE TESTING AND MAINTENANCE.
 2. A BACKFLOW ASSEMBLY PERMIT IS REQUIRED FOR ALL ASSEMBLIES INSTALLED WITHIN THE CITY OF AUBURN, AND/OR THE CITY'S WATER DISTRIBUTION SYSTEM.
 3. BACKFLOW ASSEMBLIES MUST BE ON THE CURRENT WASHINGTON STATE DEPARTMENT OF HEALTH -BACKFLOW ASSEMBLIES APPROVED FOR INSTALLATION LIST.
 4. BACKFLOW ASSEMBLIES MUST BE TESTED BY A STATE CERTIFIED BACKFLOW ASSEMBLY TESTER, AND INSPECTED AND APPROVED BY A CITY OF AUBURN CROSS CONNECTION CONTROL SPECIALIST.



CUT-IN TEE TO EXISTING MAIN

1



DOWN-TURN ELBOW DETAIL

2

- NOTES:
1. SPLIT MJ CAST IRON SLEEVE FOR A.C. PIPE.
 2. DUCTILE IRON SLEEVE FOR DUCTILE IRON PIPE.
 3. EPOXY COATED STEE TAPPING TEE (SIZED FOR PARTICULAR TYPE/SIZE OF PIPE) FOR HOT-TAPPING PLASTIC PIPE.
 - *4. VALVES TO BE CONFIGURED AS SHOWN ON APPROVED PLANS.

WATER MAIN PROFILE CENTERLINE PROFILE
SCALE:
HORIZONTAL: 1"=5'
VERTICAL: 1"=1'

PROJECT REF: FAC17-0009
THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF AUBURN'S ENGINEERING REQUIREMENTS.
DEV, REVIEW ENGINEER: _____
APPROVED BY: _____
DATE APPROVED: _____

RECORD DRAWING CERTIFICATION
THESE DRAWINGS CONFORM TO THE CONTRACTOR'S CONSTRUCTION RECORDS.
BY: _____ DATE: _____
TITLE/PERSON: _____
CONFIRMED BY CITY: _____ DATE: _____



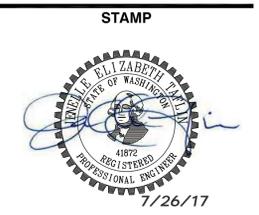
11400 s.e. 8th street | suite 345
bellevue, wa 98004
t: 425.453.9501 | f: 425-453-8208
www.navixeng.com

CLIENT/OWNER
AUBURN MEDICAL CENTER

PROJECT NAME
CENTRAL UTILITY PLANT PHASE 2

NAVIX PROJECT NUMBER: 50-000-000
PROJECT ADDRESS

**29 1ST STREET NE
AUBURN, WA 98002**



REVISIONS

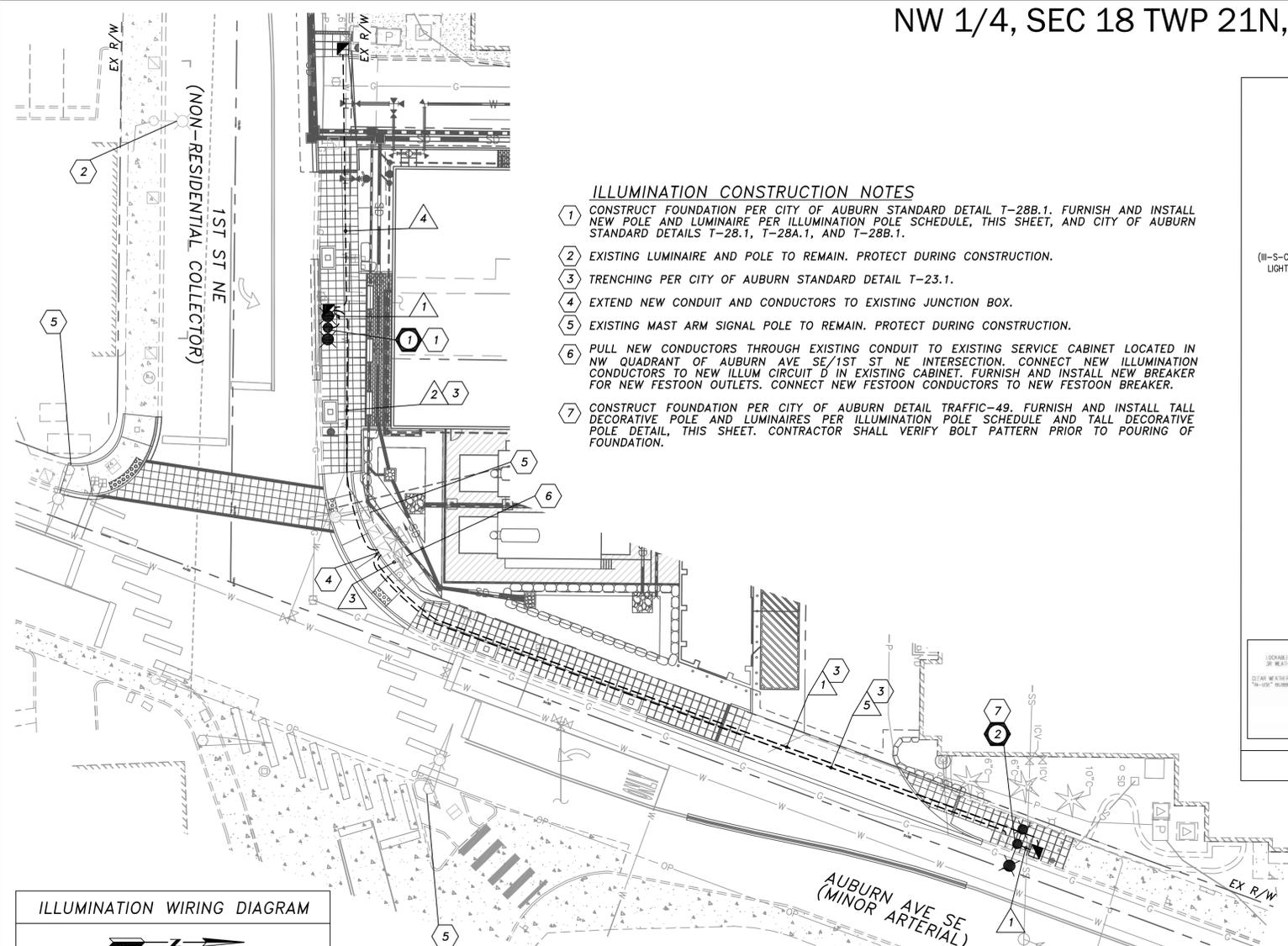
REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17

811
SECTION, TOWNSHIP, RANGE:
SECTION 18, TOWNSHIP 21 NORTH,
RANGE 5 EAST, W.M.

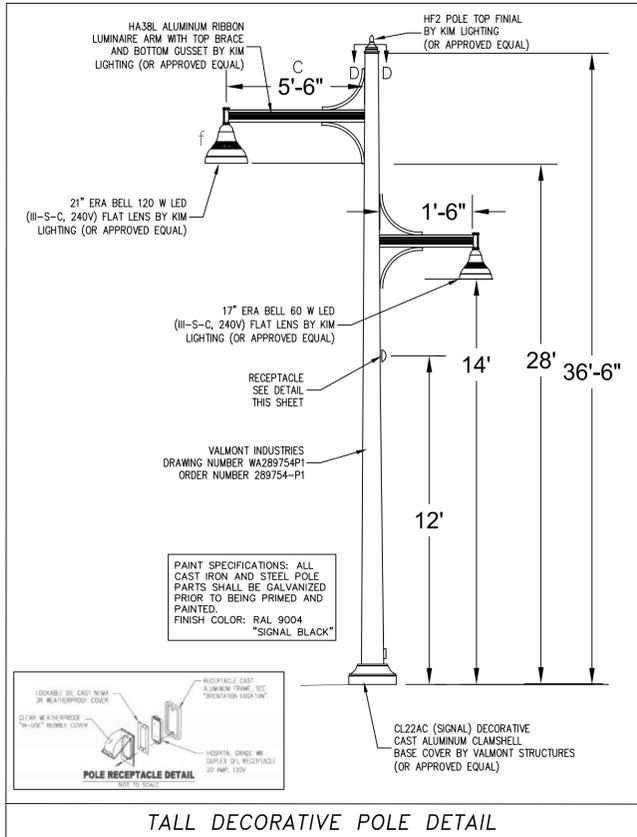
PROJECT TEAM
REVIEWED BY: J. TAFLIN
DESIGNED BY: J. GREEN
G. UNGERER

SHEET NAME
PH2 UTILITY PROFILE
SHEET NUMBER
C-3.1

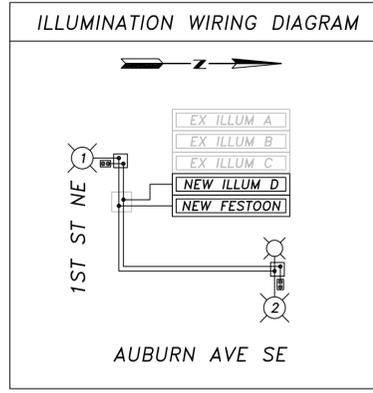
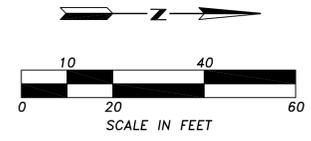
NW 1/4, SEC 18 TWP 21N, RGE 5E., W.M.



- ILLUMINATION CONSTRUCTION NOTES**
- CONSTRUCT FOUNDATION PER CITY OF AUBURN STANDARD DETAIL T-28B.1. FURNISH AND INSTALL NEW POLE AND LUMINAIRE PER ILLUMINATION POLE SCHEDULE, THIS SHEET, AND CITY OF AUBURN STANDARD DETAILS T-28.1, T-28A.1, AND T-28B.1.
 - EXISTING LUMINAIRE AND POLE TO REMAIN. PROTECT DURING CONSTRUCTION.
 - TRENCHING PER CITY OF AUBURN STANDARD DETAIL T-23.1.
 - EXTEND NEW CONDUIT AND CONDUCTORS TO EXISTING JUNCTION BOX.
 - EXISTING MAST ARM SIGNAL POLE TO REMAIN. PROTECT DURING CONSTRUCTION.
 - PULL NEW CONDUCTORS THROUGH EXISTING CONDUIT TO EXISTING SERVICE CABINET LOCATED IN NW QUADRANT OF AUBURN AVE SE/1ST ST NE INTERSECTION. CONNECT NEW ILLUMINATION CONDUCTORS TO NEW ILLUM CIRCUIT D IN EXISTING CABINET. FURNISH AND INSTALL NEW BREAKER FOR NEW FESTOON OUTLETS. CONNECT NEW FESTOON CONDUCTORS TO NEW FESTOON BREAKER.
 - CONSTRUCT FOUNDATION PER CITY OF AUBURN DETAIL TRAFFIC-49. FURNISH AND INSTALL TALL DECORATIVE POLE AND LUMINAIRE PER ILLUMINATION POLE SCHEDULE AND TALL DECORATIVE POLE DETAIL, THIS SHEET. CONTRACTOR SHALL VERIFY BOLT PATTERN PRIOR TO POURING OF FOUNDATION.



- GENERAL NOTES**
- ALL WORK SHALL BE IN ACCORDANCE WITH CITY OF AUBURN DESIGN AND CONSTRUCTION STANDARDS, UNLESS OTHERWISE NOTED.
 - THE LOCATIONS OF FEATURES SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR AS NECESSARY.
 - THE CONTRACTOR SHALL SUBMIT A REQUEST FOR MATERIALS APPROVAL TO THE CITY INSPECTOR AT MINIMUM 3 WEEKS PRIOR TO THE DESIRED APPROVAL DATE. MATERIALS WITHOUT CITY INSPECTOR APPROVAL SHALL NOT BE ALLOWED ON THE JOBSITE.
 - ALL WORK SHALL BE CONSISTENT WITH UTILITY AGENCY REQUIREMENTS. THE CONTRACTOR SHALL CONTACT ALL PERTINENT UTILITY AGENCIES 48 HOURS BEFORE COMMENCING WORK, AND SHALL COORDINATE WITH AFFECTED UTILITY AGENCIES THROUGHOUT THE PROJECT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE AFFECTED UTILITY COMPANY IMMEDIATELY UPON DAMAGE.
 - SEE CITY OF AUBURN STANDARD PLANS TRAFFIC-61, 61A, 61B FOR POLE AND CONDUIT LAYOUT DETAILS. SEE TRAFFIC-50 FOR WIRING DETAILS.
 - ILLUMINATION CONDUIT TO SHARE TRENCH/CROSSING WITH OTHER UTILITIES WHERE POSSIBLE AND AS APPROVED BY THE CITY, TYP. COORDINATE TRENCH SHARING WITH THE GENERAL CONTRACTOR.
 - CONTACT THE CITY OF AUBURN (253-931-3010) FOR INSPECTION AS NECESSARY.
 - AS PART OF THE DESIGN PROCESS, THE ENGINEER HAS ATTEMPTED TO CONFIRM THAT THERE ARE NO CONFLICTS WITH OVERHEAD POWER LINES OR SUBSURFACE UTILITIES. HOWEVER, IT IS POSSIBLE FOR THE EXISTING OR PROPOSED CONDITIONS TO CHANGE PRIOR TO IMPLEMENTATION OF THE SCOPE OF WORK IDENTIFIED ON THESE DOCUMENTS. AS THE FIRST ORDER OF BUSINESS, THE CONTRACTOR SHALL POTHOLE EACH POLE LOCATION TO CONFIRM THAT THERE ARE NO CONFLICTS WITH SUBSURFACE UTILITIES. ADDITIONALLY, THE CONTRACTOR SHALL CONFIRM THAT THERE IS A MINIMUM 10-FT CLEARANCE PROVIDED BETWEEN OVERHEAD POWER LINES AND THE PROPOSED LUMINAIRE POLES PRIOR TO POLE PLACEMENT. ADDITIONAL CLEARANCE MAY BE REQUIRED AS DIRECTED BY THE UTILITY. THE CONTRACTOR SHALL CONTACT THE ENGINEER IMMEDIATELY IF A CONFLICT IS DISCOVERED.
 - AERIAL FACILITIES ALONG NORTH DIVISION STREET ARE UNDERSTOOD TO BE UNDERGROUND. SEE CIVIL PLANS.
 - CONTRACTOR MAY NEED TO GRIND WELDS OFF EXISTING JUNCTION BOXES IN ORDER TO ACCESS THE EXISTING CONDUIT AND PULL NEW CONDUCTORS. CONTRACTOR SHALL FIELD WELD A 2" BEAD AFTER APPROVAL OF WIRING INSPECTION BY THE ENGINEER PER CITY OF AUBURN STANDARD DETAIL TRAFFIC-50.



ILLUMINATION WIRING SCHEDULE

NO.	RACEWAY CONDUIT SIZE	ILLUM. #B		FESTOON (RECEPTACLE) #B		EQUIP. GROUND		TRACER WIRE	
		EX	NEW	EX	NEW	EX	NEW	EX	NEW
1	2" SCH40 PVC		2		2		1		1
2	2" SCH40 PVC		2		2		1		1
3	3" SCH40 PVC SPARE								1
4	2" SCH40 PVC SPARE								1
5	3" SCH40 PVC SPARE								1

* EQUIPMENT GROUND SIZE SHALL BE EQUAL TO OR LARGER THAN THE LARGEST WIRE SIZE IN THE CONDUIT.
** OTHER EXISTING CONDUIT/CONDUCTORS MAY BE PRESENT.

CALCULATION SUMMARY

CALCULATION AREA	DESIGN CRITERIA	
	MIN. AVG. MAINTAINED (FC)	MAX. UNIFORMITY RATIO (AVG. /MIN.)
1ST ST NE (NON RESIDENTIAL COLLECTOR)	0.90	3.00:1
AUBURN AVE (MINOR ARTERIAL)	0.90	3.00:1
INT AUBURN & 1ST (MINOR ARTERIAL)	1.35	3.00:1
AUBURN & 1ST (SIDEWALK)	2.00	6.00:1
	2.92	2.92:1
	1.74	2.49:1
	3.12	1.64:1
	2.00	3.33:1

LEGEND

EXISTING	NEW	DESCRIPTION
[Symbol]	[Symbol]	JUNCTION BOX TYPE 1,2
[Symbol]	[Symbol]	ROADWAY SCALE LIGHT
[Symbol]	[Symbol]	ROADWAY SCALE LIGHT
[Symbol]	[Symbol]	PEDESTRIAN SCALE LIGHT
[Symbol]	[Symbol]	UTILITY POLE MOUNTED LUMINAIRE
[Symbol]	[Symbol]	SERVICE CABINET
[Symbol]	[Symbol]	CONDUIT/CONDUCTOR
[Symbol]	[Symbol]	CONTROLLER CABINET
[Symbol]	[Symbol]	ROADWAY POLE NUMBER
[Symbol]	[Symbol]	CONSTRUCTION NOTE
[Symbol]	[Symbol]	WIRE NOTE

ILLUMINATION POLE SCHEDULE

LUM. POLE NO.	STREET NAME	STATION	OFFSET	MOUNT HEIGHT	ARM LENGTH	VOLTAGE	TALL DECORATIVE LUMINAIRE TYPE - DISTRIBUTION	PEDESTRIAN LUMINAIRE TYPE - DISTRIBUTION	WATTS/TYPE	POLE MODEL	BASE TYPE	SERVICE/CIRCUIT	COMMENT
1	1ST ST NE	13+52.5	24.5' LT	14'	DUAL 1.5'	240	---	KIM ERA BELL 2SB/BE17-3-E35/60L-5K-240V/BL	DUAL - 60 LED	KIM LIGHTING KRS20-S120 5" SMOOTH ROUND STRAIGHT STEEL (11GA)	FIXED	NEW ILLUM D	ALTERNATE BASE SPREAD FOOTING PER CITY OF AUBURN STANDARD DETAIL TRAFFIC-61A.
2	AUBURN AVE SE	1+72.5	7.0' RT	28'	5.5' 1.5'	240	KIM ERA BELL 2SB/BE21-3-E35/120L-5K-240V/BL	KIM ERA BELL 2SB/BE17-3-E35/60L-5K-240V/BL	120 LED 60 LED	VALMONT INDUSTRIES DRAWING # WA289754P1	FIXED	NEW ILLUM D	FOUNDATION PER CITY OF AUBURN STANDARD DETAIL TRAFFIC-49.

RECORD DRAWING CERTIFICATION
THESE DRAWINGS CONFORM TO THE CONTRACTOR'S CONSTRUCTION RECORDS.

BY _____ DATE _____

TITLE/POSITION _____

CONFIRMED BY CITY _____ DATE _____

PROJECT REF: FAC17-0009

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF AUBURN'S ENGINEERING REQUIREMENTS.

DEV. REVIEW ENGINEER: _____

APPROVED BY: _____

DATE APPROVED: _____

REVISION

NO.	REVISION	DATE	BY
1	MYLAR SUBMITTAL	07-26-2017	

DESIGNED BY: QW/TDR

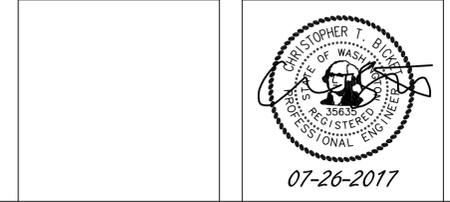
DRAWN BY: QW

APPROVED BY: GMD

ISSUE DATE: 07/26/2017

JOB NO.: TENW #5464

DRAWING FILE NO.:



TENW
Transportation Engineering NorthWest
11400 SE 8th Street, Suite 200, Bellevue, WA 98004
Office (425) 889-6747
Project Contact: Glen Dubreuil
Phone: 425-250-0582

AUBURN MULTICARE

ILLUMINATION PLAN

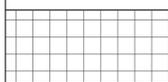
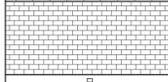
DRAWING NO.: IL-01

SHEET NO.: 1 OF 1 SHEETS

LEGEND

	LIMIT OF WORK
	PROPERTY LINE
	LOT LINE
	PLANTING AREA
	PROPOSED TREE, REF LANDSCAPE PLANS
	PROPOSED LUMINAIRE, REF CIVIL
	DETAIL REFERENCE
	SECTION REFERENCE

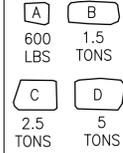
PAVING / SURFACING SCHEDULE

	CODE	TYPE	FINISH / COLOR / NOTES	DETAIL
	A	CIP CONCRETE	REF CIVIL PLANS	--
	B	PEDESTRIAN BRICK PERMEABLE PAVERS	AGGREGATE SET PER ICPI-68, RUNNING BOND PATTERN (EAST-WEST), HOLLAND 6CM PAVERS BY MUTUAL MATERIALS. COLOR: CASCADE BLEND	5 L3.10
	C	PEDESTRIAN BRICK PAVER BAND	MORTAR SET, 1 ROW STACK PATTERN, HOLLAND 6CM PAVERS BY MUTUAL MATERIALS. COLOR: RED	1 L3.10
	D	6" WIDE CIP CONCRETE PAVER CURB	STANDARD CONCRETE, FINISH AND DEPTH PER DETAIL	5 L3.10

NOTES

- BOULDERS AVAILABLE AT MARENAKOS ROCK QUARRY. BOULDERS TO BE PLACED IN FIELD WITH LANDSCAPE ARCHITECT AND CONTRACTOR.
- TREES ON-SITE TO BE LOCATED IN FIELD WITH LANDSCAPE ARCHITECT. THIS PLAN SHALL BE USED AS A GUIDE FOR TREE PLACEMENT.
- TREE PIT LOCATIONS SHALL BE PER CIVIL.
- FOR STREET TREE PLANTING REFER TO CITY OF AUBURN DEPARTMENT OF PUBLIC WORKS STANDARD DETAIL T-06.1.
- ROOT BARRIER SHALL BE INSTALLED AROUND ALL TREES LOCATED WITHIN 10 FEET OF THE RIGHT-OF-WAY. REFERENCE CITY OF AUBURN DEPARTMENT OF PUBLIC WORKS STANDARD DETAIL T-06.1.
- SEE CIVIL FOR CONCRETE AND ASPHALT PAVING THICKNESS, BASE COURSE THICKNESS, AND JOINTING LAYOUT.
- SEE CIVIL FOR GRADING AND DRAINAGE.
- SEE ARCHITECTURE FOR WATERPROOFING AT PLANTER/BUILDING INTERFACE.

SITE FURNISHINGS AND STONE SCHEDULE

SYMBOL	DESCRIPTION	QUANTITY
	SURFACE MOUNTED TRASH/RECYCLE RECEPTACLE, REF SPEC	1
	4' X 6' TREE GRATE, REF SPEC	4
	SURFACE MOUNTED BENCH, REF SPEC	3
	CASCADE GRANITE BOULDERS - TO BE SELECTED BY LANDSCAPE ARCHITECT WITH CONTRACTOR	9

PROJECT REF: FAC17-0009 _____

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF AUBURN'S ENGINEERING REQUIREMENTS.

DEV. REVIEW ENGINEER: _____
 APPROVED BY: _____
 DATE APPROVED: _____

PROJECT REF: FAC17-0009 _____

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RECORD DRAWING CERTIFICATION
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BY _____ DATE _____

TITLE/POSITION _____

CONFIRMED BY CITY _____ DATE _____

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 Seattle, Washington 98109
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 206.285.3629 fax
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CLIENT/OWNER

**AUBURN
 MEDICAL CENTER**

PROJECT NAME

**CENTRAL
 UTILITY PLANT
 PHASE 2**

SITE WORKSHOP PROJECT NUMBER: 1328.2

PROJECT ADDRESS

AUBURN, WA



STATE OF WASHINGTON
 REGISTERED
 LANDSCAPE ARCHITECT
 MARK E. BRANDS
 CERTIFICATE NO. 680

REVISIONS

REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17



SECTION, TOWNSHIP, RANGE:

SECTION 18, TOWNSHIP 21 NORTH,
 RANGE 5 EAST, W.M.

PROJECT TEAM

REVIEWED BY: M. BRANDS
 DESIGNED BY: D. FIELDS
 M. BROWN

SHEET NAME

**LAYOUT AND
 MATERIALS LEGEND**

L1.00

SHEET NUMBER

SHEET 1 OF 11

CLIENT/OWNER

**AUBURN
MEDICAL CENTER**

PROJECT NAME

**CENTRAL
UTILITY PLANT
PHASE 2**

SITE WORKSHOP PROJECT NUMBER: 1328.2

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AUBURN, WA



STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
M. BRANDS
MAPLE BRANDS
CERTIFICATE NO. 680

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SECTION 18, TOWNSHIP 21 NORTH,
RANGE 5 EAST, W.M.

PROJECT TEAM

REVIEWED BY: M. BRANDS
DESIGNED BY: D. FIELDS
M. BROWN

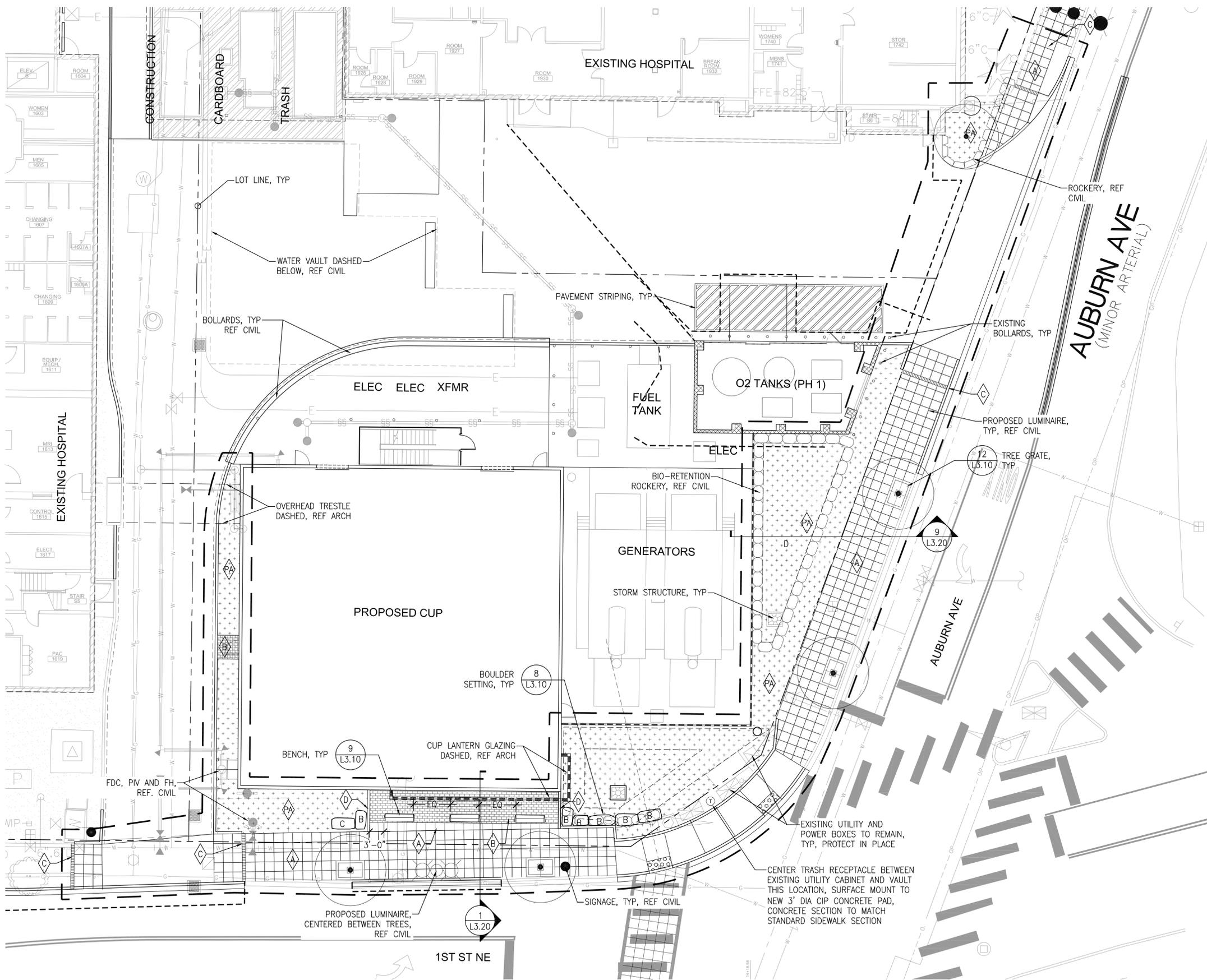
SHEET NAME

**LAYOUT
PLAN**

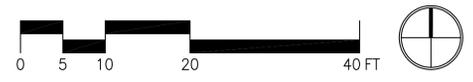
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SHEET NUMBER

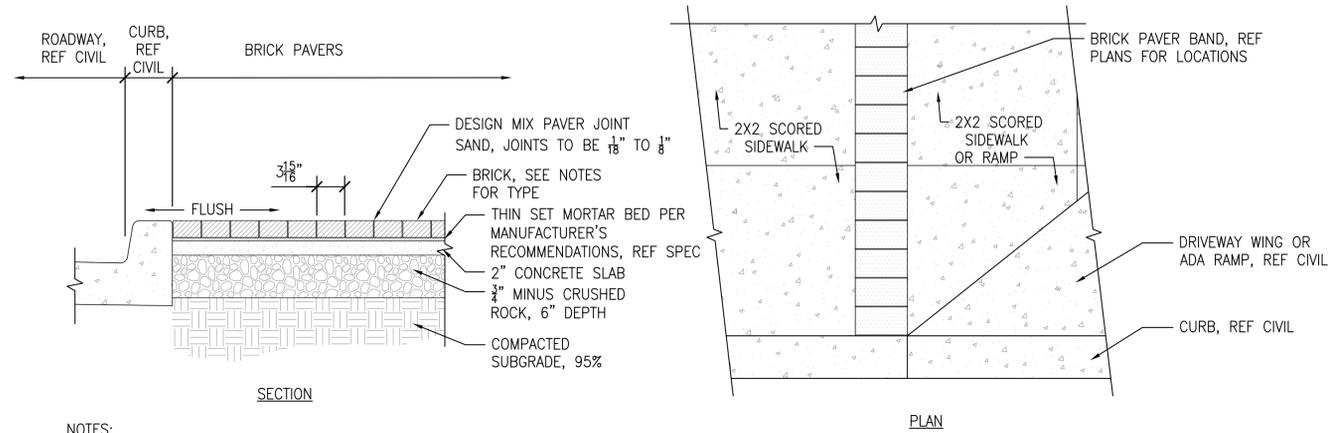
SHEET 2 OF 11



1 LAYOUT PLAN - REFER TO L1.00 FOR LAYOUT AND MATERIALS SCHEDULE
SCALE: 1" = 10' - 0"



P:\1328.2 Auburn MultiCare Ph 2\Cad\Sheets\L1.1X Layout Plan.dwg Jul 24, 2017 - 2:57pm



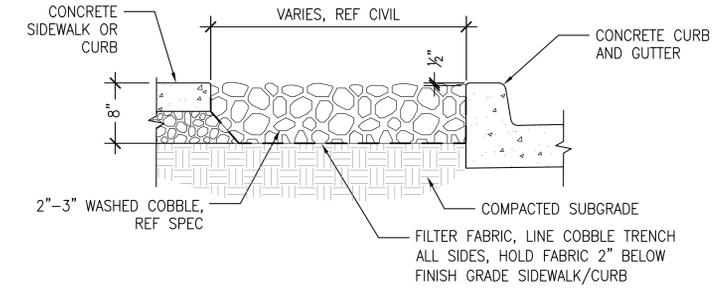
- NOTES:
1. SEE PAVING / SURFACING SCHEDULE FOR BRICK TYPE.
 2. BRICK SIZE: 2-3/8" X 7-3/8" X 3-15/16".
 3. DESIGN MIX PAVER JOINT SAND SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.

1 BRICK PAVER BAND

SCALE: 1" = 1'-0"

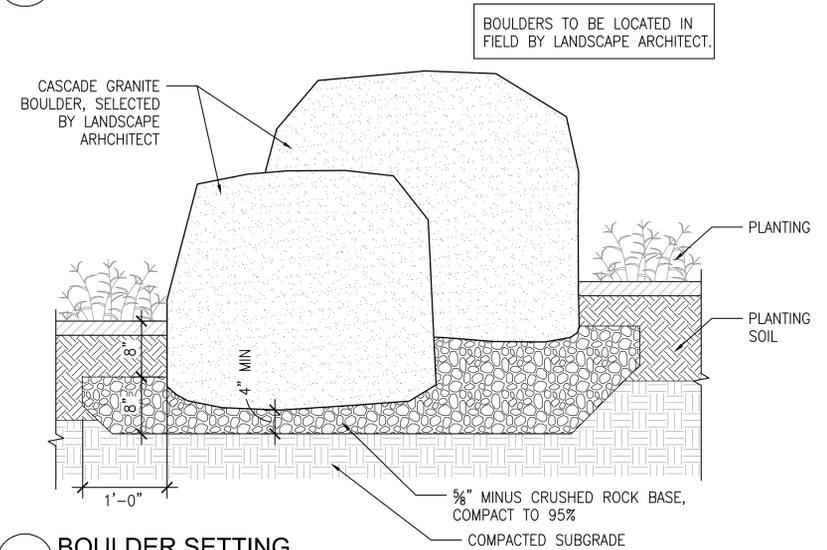
RECORD DRAWING CERTIFICATION
 THESE DRAWINGS CONFORM TO THE CONTRACTOR'S CONSTRUCTION RECORDS.
 BY _____ DATE _____
 TITLE/POSITION _____
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PROJECT REF: FAC17-0009 _____
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 DATE APPROVED: _____



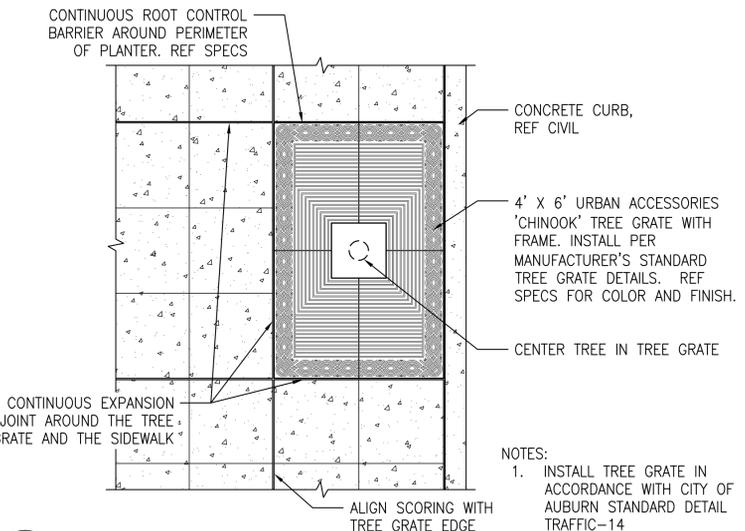
4 COBBLE

SCALE: 1" = 1'-0"



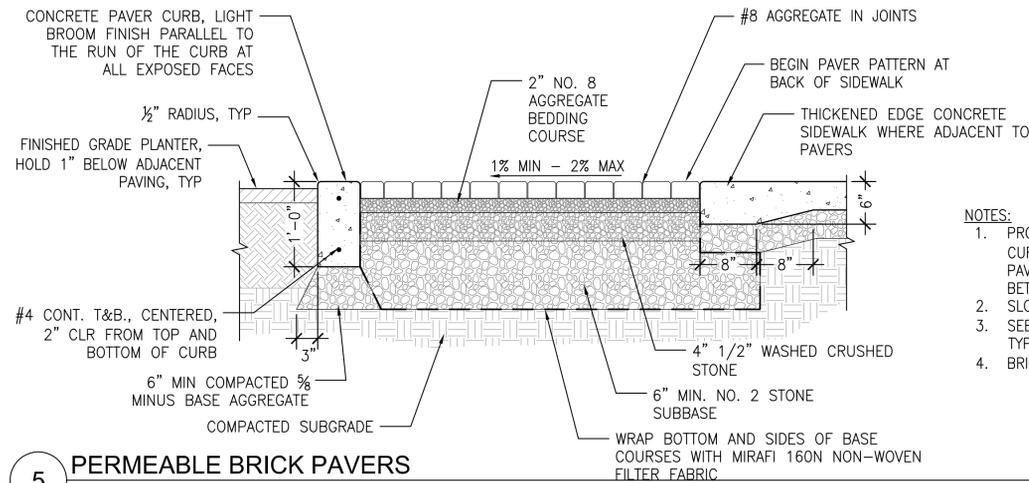
8 BOULDER SETTING

SCALE: 1" = 1'-0"



12 TREE GRATE

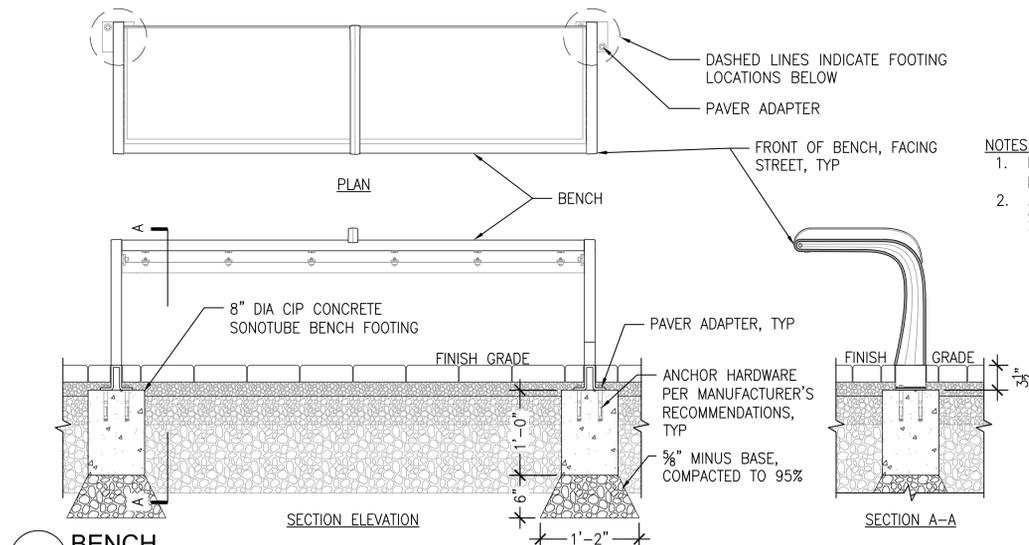
SCALE: 1/2" = 1'-0"



- NOTES:
1. PROVIDE VERTICAL EXPANSION JOINTS ALONG PAVER CURB AT 10'-0" MAX O.C. ASSUME JOINTS LAND ON PAVING AND WALL CORNERS, ASSUME EQUAL SPACING BETWEEN THESE POINTS.
 2. SLOPE TOP OF CURB TO DRAIN AWAY FROM PAVERS.
 3. SEE PAVING / SURFACING SCHEDULE FOR BRICK TYPE AND INSTALLATION PATTERN.
 4. BRICK SIZE: 2-3/8" X 7-3/8" X 3-15/16".

5 PERMEABLE BRICK PAVERS

SCALE: 1" = 1'-0"



- NOTES:
1. INSTALL BENCHES USING PAVER ADAPTERS PER MANUFACTURER'S RECOMMENDATIONS.
 2. ALL NECESSARY ADAPTERS AND MOUNTING HARDWARE SHALL BE ORDERED THROUGH BENCH MANUFACTURER TO ENSURE SMOOTH INSTALLATION.

9 BENCH

SCALE: 1" = 1'-0"

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CLIENT/OWNER
AUBURN MEDICAL CENTER

PROJECT NAME
CENTRAL UTILITY PLANT PHASE 2

SITE WORKSHOP PROJECT NUMBER: 1328.2
 PROJECT ADDRESS

AUBURN, WA



REVISIONS

REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17

811

SECTION, TOWNSHIP, RANGE:
 SECTION 18, TOWNSHIP 21 NORTH,
 RANGE 5 EAST, W.M.

PROJECT TEAM
 REVIEWED BY: M. BRANDS
 DESIGNED BY: D. FIELDS
 M. BROWN

SHEET NAME
SITE DETAILS
L3.10
 SHEET NUMBER

P:\1328.2 Auburn MultiCare Ph. 2\Cad\Sheets\L3.1X Details.dwg Jul 24, 2017 - 2:59pm

CLIENT/OWNER

**AUBURN
MEDICAL CENTER**

PROJECT NAME

**CENTRAL
UTILITY PLANT
PHASE 2**

SITE WORKSHOP PROJECT NUMBER: 1328.2

PROJECT ADDRESS

AUBURN, WA



STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
M. Brands
MARTIN BRANDS
CERTIFICATE NO. 680

REVISIONS

REV	ISSUED FOR:	DATE
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SECTION, TOWNSHIP, RANGE:

SECTION 18, TOWNSHIP 21 NORTH,
RANGE 5 EAST, W.M.

PROJECT TEAM

REVIEWED BY: M. BRANDS
DESIGNED BY: D. FIELDS
M. BROWN

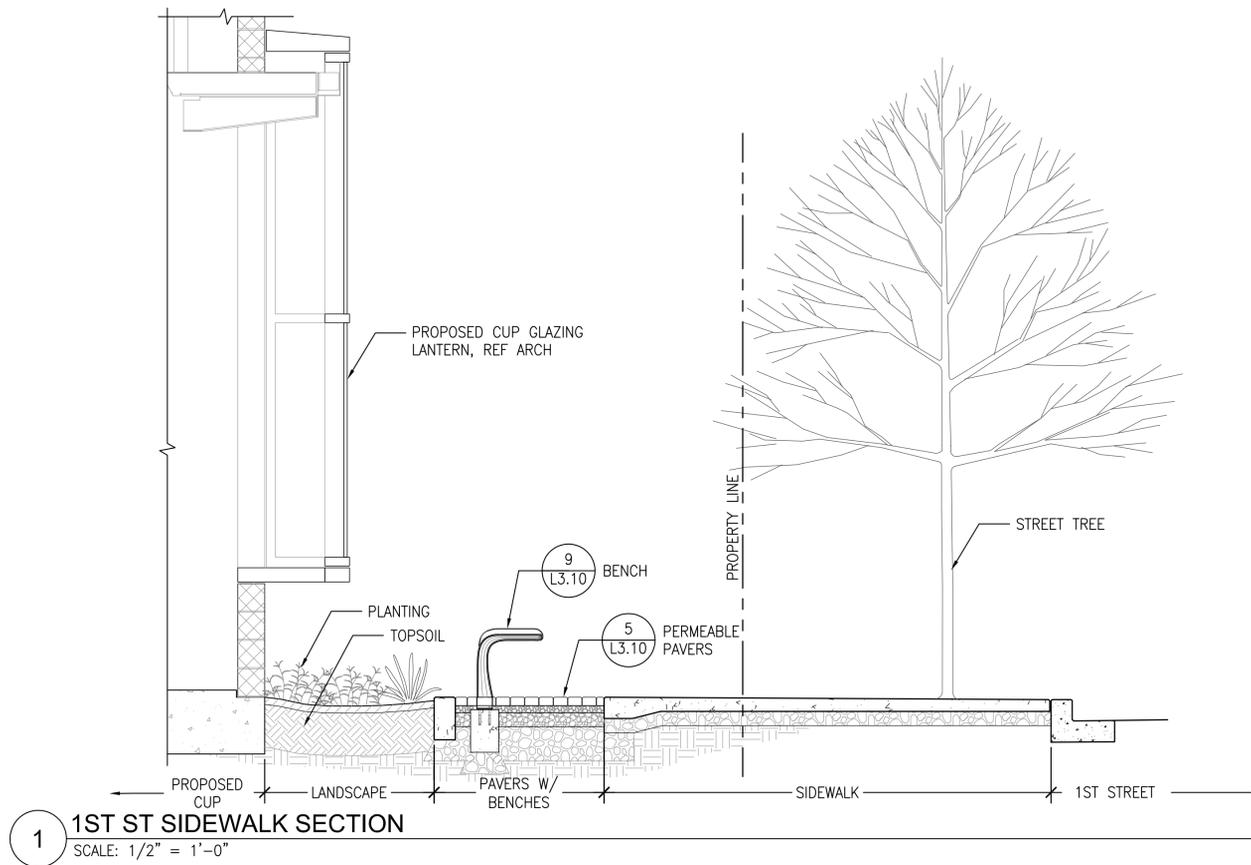
SHEET NAME

**SITE
SECTIONS**

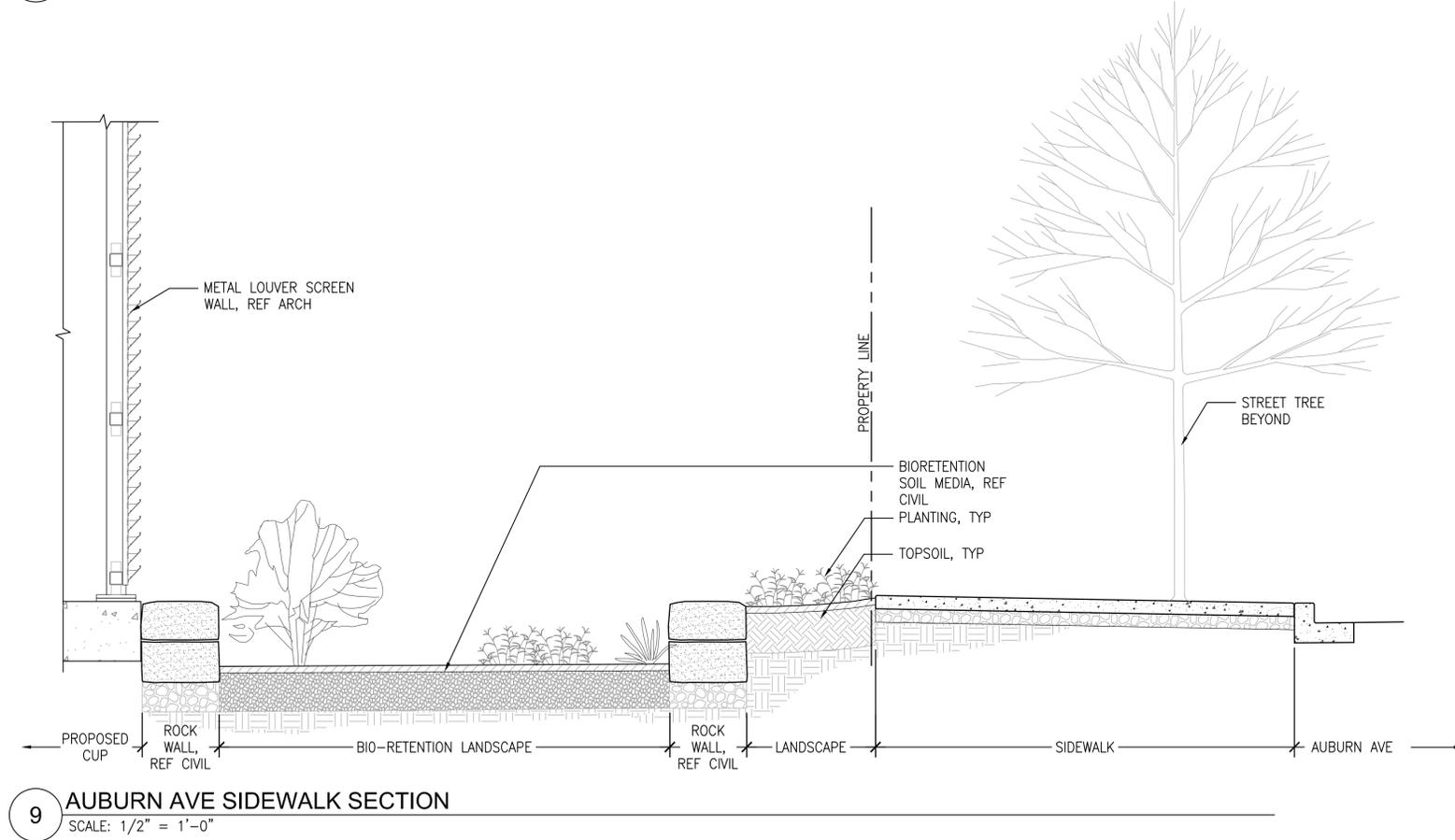
L3.20

SHEET NUMBER

SHEET 4 OF 11



1 1ST ST SIDEWALK SECTION
SCALE: 1/2" = 1'-0"



9 AUBURN AVE SIDEWALK SECTION
SCALE: 1/2" = 1'-0"

PROJECT REF: FAC17-0009

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF AUBURN'S PLANNING REQUIREMENTS.

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DATE APPROVED: _____

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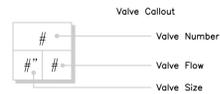
TITLE/POSITION _____

CONFIRMED BY CITY _____ DATE _____

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI
	Rain Bird 1812-SAM-PRS 8 Series MPR Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating Device.	30
	Rain Bird 1812-SAM-PRS 10 Series MPR Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating Device.	30
	Rain Bird 1812-SAM-PRS ADJ Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating Device.	30
	Rain Bird 1812-SAM-PRS ADJ Shrub Spray 12.0" Pop-Up Sprinkler with Co-Molded Wiper Seal. 1/2" NPT Female Threaded Inlet. With Seal-A-Matic Check Valve, and Pressure Regulating Device.	30

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
	Rain Bird PESB-PRS-D 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Pressure Regulating Module, and Scrubber Technology for Reliable Performance in Dirty Water Irrigation Applications.	
	Rain Bird 44-LRC 1" Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Thermoplastic Rubber Cover, and 2-Piece Body.	
	Nibco T-113 Class 125 bronze gate shut off valve with wheel handle, same size as mainline pipe diameter at valve location. Size Range - 1/4" - 3"	
	Rain Bird PESB-PRS-D 1" 1", 1-1/2", 2" Plastic Industrial Valves. Low Flow Operating Capability, Globe Configuration. With Pressure Regulating Module, and Scrubber Technology for Reliable Performance in Dirty Water Irrigation Applications.	
	Febco 850 1/2" Double Check Backflow prevention, 1/2" to 2"	
	Rain Bird ESP-LXD-LXMMPED Program existing Rain Bird controller, installed with the MultiCare ED Expansion and Renovation, to operate the new CUP irrigation system.	
	Irrigation Lateral Line: PVC Schedule 40	
	Irrigation Mainline: PVC Schedule 40	
	Pipe Sleeve: PVC Schedule 40 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 18 inches beyond edges of paving or construction.	



CRITICAL ANALYSIS

Generated: 2017-03-23 11:19

P.O.C. NUMBER: 01
Water Source Information:

FLOW AVAILABLE
Point of Connection Size: 1"
Flow Available: 20.24 gpm

PRESSURE AVAILABLE
Static Pressure at POC: 50.00 psi
Pressure Available: 50.00 psi

DESIGN ANALYSIS
Maximum Station Flow: 16.61 gpm
Flow Available at POC: 20.24 gpm
Residual Flow Available: 3.63 gpm

Pressure Req. at Critical Station: 34.36 psi
Loss for Fittings: 0.07 psi
Loss for Main Line: 0.68 psi
Loss for POC to Valve Elevation: 0.00 psi
Loss for Backflow: 7.23 psi
Loss for Master Valve: 2.53 psi
Critical Station Pressure at POC: 44.87 psi
Pressure Available: 50.00 psi
Residual Pressure Available: 5.13 psi

NOTES

- SEE IRRIGATION DETAILS, SHEET L4.20. MAINLINE TO BE SIZED IN FIELD.
- THE IRRIGATION CONTRACTOR SHALL TEST STATIC WATER PRESSURE AT NEW IRRIGATION POINT OF CONNECTION PRIOR TO CONSTRUCTION. REPORT ACTUAL PRESSURE READING AT THE POINT OF CONNECTION TO OWNER'S REPRESENTATIVE AND LANDSCAPE ARCHITECT. DESIGN PRESSURE FOR NEW SPRAY ZONES IS 30 P.S.I.
- IRRIGATION DRAWINGS ARE DIAGRAMMATIC. ALL PIPING, VALVES, ETC., SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS, TIGHT TO EDGE OF PAVEMENT. AVOID ANY CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING, SITE LIGHTING, UTILITIES AND ARCHITECTURAL FEATURES. ADJUST HEAD LOCATIONS TO PROVIDE BEST POSSIBLE COVERAGE.
- TRENCH LAYOUT REVIEW SHALL OCCUR PRIOR TO INSTALLATION OF IRRIGATION SYSTEM AS PER WRITTEN SPECIFICATIONS UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE.
- THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF SLEEVES AND CHASES UNDER PAVING, THROUGH WALLS, AND FOR ALL CONTROL WIRE.
- PROVIDE (3) SPARE CONTROL WIRES FROM THE IRRIGATION CONTROLLER TO FURTHEST VALVE LOCATIONS AT EACH END OF THE MAINLINE. PROVIDE 48" EXPANSION COILS AT EVERY VALVE BOX ALONG SPARE WIRE RUN. HOUSE SPARE WIRES IN DEDICATED VALVE BOX. SEE SPECS FOR COLOR CODING OF CONTROL WIRES.
- DO NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF OWNER'S REPRESENTATIVE. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY. INSTALL ALL IRRIGATION TO ALLOW FOR FULL SERVICEABILITY.
- ANY DAMAGED CONCRETE, OTHER SURFACES OR IMPROVEMENTS NOT DESIGNATED FOR DEMOLITION SHALL BE REPLACED TO MATCH EXISTING.
- THE CONTRACTOR SHALL ADJUST EACH PRESSURE COMPENSATING REMOTE CONTROL VALVE AND PRESSURE REGULATOR FOR OPTIMUM PERFORMANCE AND TO COMPENSATE FOR PRESSURE AND FRICTION LOSS. THE CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER SPRAY ONTO WALKS, ROADWAYS AND/OR BUILDINGS AS MUCH AS POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC AND RADIUS TO FIT THE EXISTING SITE CONDITIONS AND SELECTING THE APPROPRIATE NOZZLE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM, AND HEAD COVERAGE.
- CONTRACTOR SHALL SIZE LATERAL PIPES PER PLAN AFTER FIELD ADJUSTMENT TO HEAD LAYOUT AND MODIFICATION OF PRODUCT TYPES TO ACCOMMODATE ACTUAL SITE CONDITIONS. ADJUST ALL PIPE SIZES AND MAKE ALL NECESSARY ADJUSTMENTS TO PROPOSED SYSTEM AS FIELD CONDITIONS AND SYSTEM CHANGES OCCUR.

PIPE SIZING CHART - FOR LATERAL LINES ONLY

PIPE SIZE	FLOW (G.P.M.)	VELOCITY (F.P.S.)
3/4"	0 - 7	0 - 4.21
1"	+7 - 11	2.60 - 4.08
1 1/4"	+11 - 20	2.36 - 4.28
1 1/2"	+20 - 28	3.15 - 4.40
2"	+28 - 50	2.68 - 4.77
2 1/2"	+50 - 70	3.35 - 4.68

IRRIGATION CONTRACTOR SHALL SIZE LATERAL PIPING PER THIS PIPE SIZING CHART. NO SYSTEM PIPING SHALL EXCEED 5 F.P.S. CHART IS FOR SIZING LATERAL LINES ONLY.

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CLIENT/OWNER

**AUBURN
MEDICAL CENTER**

PROJECT NAME

**CENTRAL
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PHASE 2**

SITE WORKSHOP PROJECT NUMBER: 1328.2

PROJECT ADDRESS

AUBURN, WA



STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
MARK E. BRANDS
CERTIFICATE NO. 680

REVISIONS

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1	MYLAR SUBMITTAL	07.26.17



SECTION, TOWNSHIP, RANGE:

SECTION 18, TOWNSHIP 21 NORTH,
RANGE 5 EAST, W.M.

PROJECT TEAM

REVIEWED BY: M. BRANDS
DESIGNED BY: D. FIELDS
M. BROWN

SHEET NAME

**IRRIGATION
SCHEDULE**

L4.00

SHEET NUMBER

SHEET 5 OF 11

PROJECT REF: FAC17-0009

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF AUBURN'S ENGINEERING REQUIREMENTS.

DEV. REVIEW ENGINEER: _____
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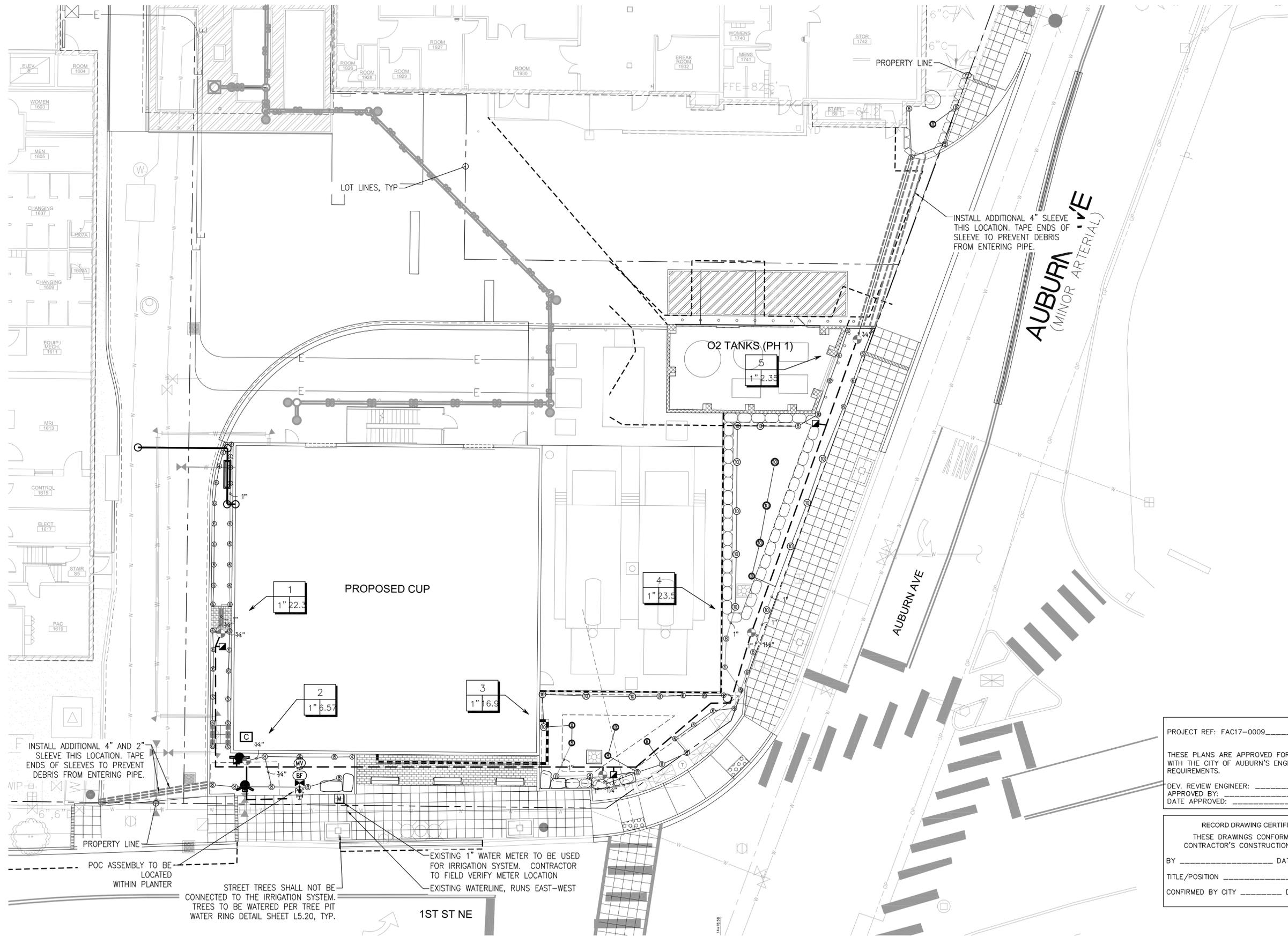
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BY _____ DATE _____

TITLE/POSITION _____

CONFIRMED BY CITY _____ DATE _____

P:\1328.2 Auburn MultiCare Ph 2\Cad\Sheets\L4.1X Irrigation Plan.dwg Jul 24, 2017 - 4:19pm



1 IRRIGATION PLAN - REFER TO L4.00 FOR IRRIGATION SCHEDULE
 SCALE: 1" = 10' - 0"

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AUBURN, WA



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 SECTION 18, TOWNSHIP 21 NORTH,
 RANGE 5 EAST, W.M.

PROJECT TEAM
 REVIEWED BY: M. BRANDS
 DESIGNED BY: D. FIELDS
 M. BROWN

SHEET NAME
IRRIGATION PLAN
L4.10
 SHEET NUMBER
 SHEET 6 OF 11

CLIENT/OWNER

**AUBURN
MEDICAL CENTER**

PROJECT NAME

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SITE WORKSHOP PROJECT NUMBER: 1328.2

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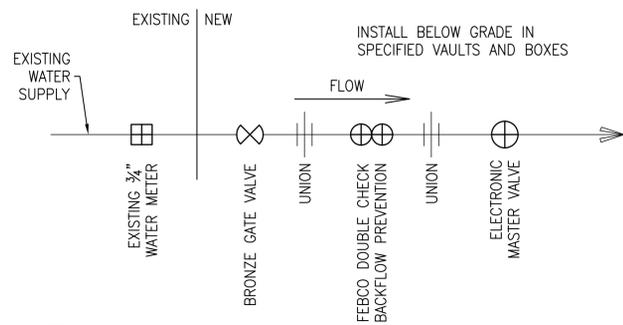
SHEET NAME

**IRRIGATION
DETAILS**

L4.20

SHEET NUMBER

SHEET 7 OF 11



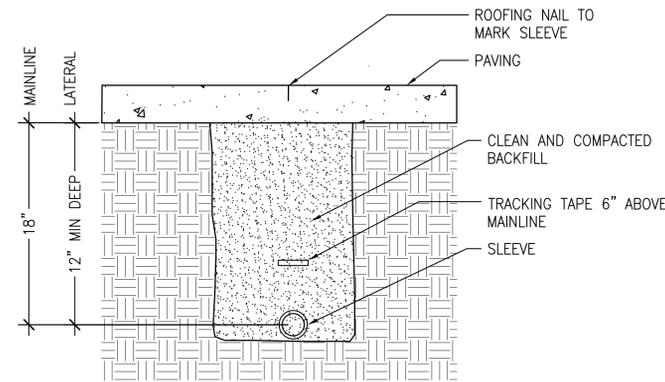
NOTES:

1. MINIMUM LENGTH OF STRAIGHT PIPE WITH NO FITTINGS ON EACH SIDE OF FLOW METER - UPSTREAM: 10 PIPE DIAMETERS. DOWNSTREAM: 5 PIPE DIAMETERS.
2. PIPE SUPPORTS WILL BE - IN VAULTS: UNISTRUT, STAINLESS OR EPOXY COATED.
3. ALL EXTERIOR IRRIGATION PIPING SHALL BE SCHEDULE 40 PVC AND FITTINGS SHALL BE PER SPECIFICATIONS AND DETAILS.
4. CONTRACTOR TO FIELD VERIFY LOCATION AND CONDITION OF EXISTING WATER METER. WATER METER TO BE REUSED PER PLANS IF IN COMPLIANCE WITH THE CITY OF AUBURN'S STANDARD ADVANCED METERING INFRASTRUCTURE (AMI). IF DEEMED NOT IN COMPLIANCE WITH AMI STANDARDS, CONTRACTOR TO LOCATE AND INSTALL A NEW 3/4\"/>
- 5. SEE SPEC FOR ENCLOSURES FOR ALL APPURTENANCES.

1 POINT OF CONNECTION ASSEMBLY DIAGRAM

SCALE: 1" = 1'-0"

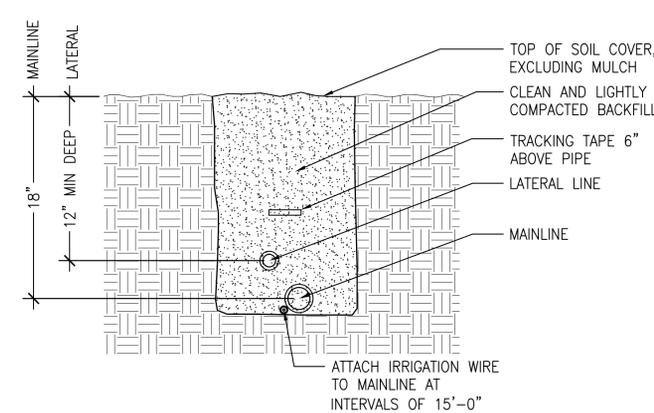
L4.2X IRRIGATION DETAILS.DWG



2 IRRIGATION SLEEVE AT PAVING

SCALE: 1" = 1'-0"

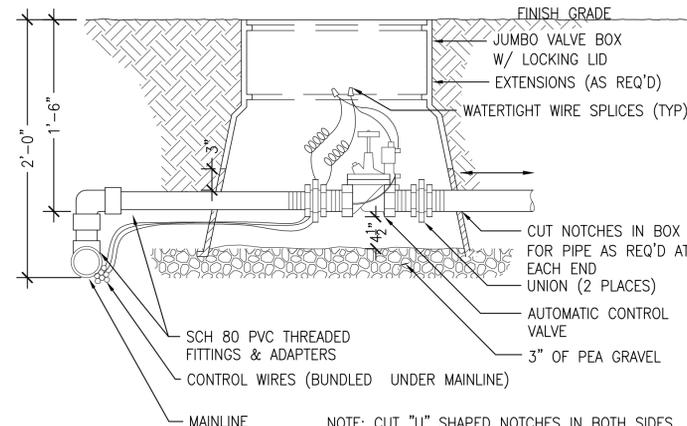
L4.2X IRRIGATION DETAILS.DWG



3 IRRIGATION TRENCH

SCALE: 1" = 1'-0"

L4.2X IRRIGATION DETAILS.DWG

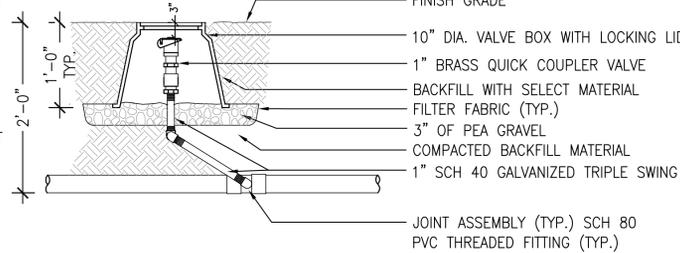


NOTE: CUT "U" SHAPED NOTCHES IN BOTH SIDES OF VALVE BOX THAT ALLOW 2" MIN. CLEARANCE FROM TOP OF PIPE TO TOP OF CUT-OUT. USE TEFLON TAPE ON ALL THREADED FITTINGS.

5 AUTOMATIC CONTROL VALVE

SCALE: 1" = 1'-0"

L4.2X IRRIGATION DETAILS.DWG

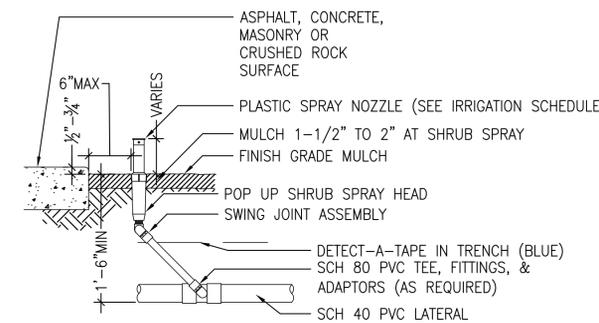


NOTE: USE TEFLON TAPE ON ALL THREADED FITTINGS

6 QUICK COUPLER VALVE

SCALE: 1" = 1'-0"

L4.2X IRRIGATION DETAILS.DWG

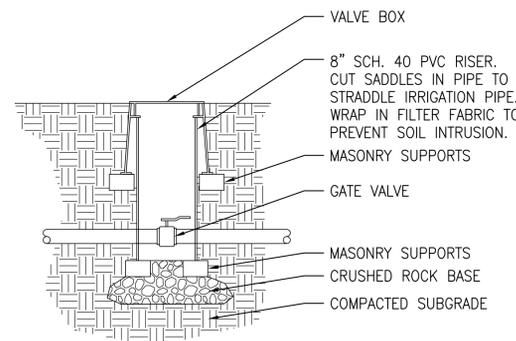


NOTE: USE TEFLON TAPE ON ALL THREADED FITTINGS

7 POP UP SPRAY HEAD

SCALE: 1" = 1'-0"

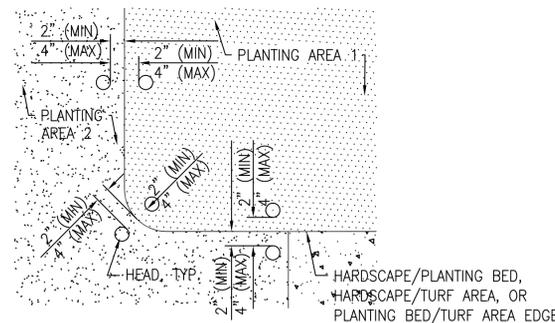
L4.2X IRRIGATION DETAILS.DWG



9 GATE VALVE

SCALE: 1" = 1'-0"

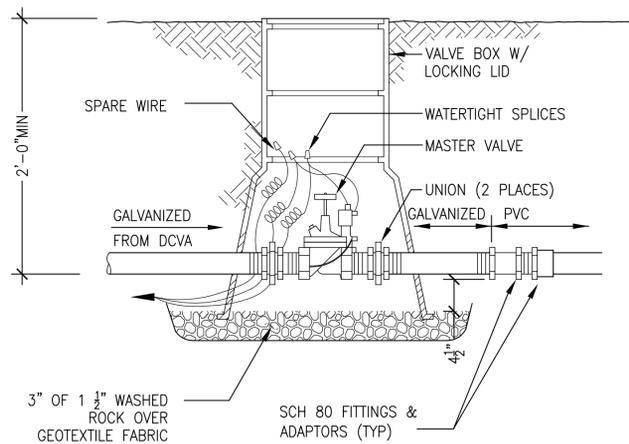
L4.2X IRRIGATION DETAILS.DWG



10 HEAD SETBACK AND LOCATION

SCALE: 1" = 1'-0"

L4.2X IRRIGATION DETAILS.DWG



11 MASTER VALVE

NOT TO SCALE

PROJECT REF: FAC17-0009

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF AUBURN'S ENGINEERING REQUIREMENTS.

DEV. REVIEW ENGINEER: _____
APPROVED BY: _____
DATE APPROVED: _____

RECORD DRAWING CERTIFICATION
THESE DRAWINGS CONFORM TO THE CONTRACTOR'S CONSTRUCTION RECORDS.

BY _____ DATE _____
TITLE/POSITION _____
CONFIRMED BY CITY _____ DATE _____

CLIENT/OWNER

**AUBURN
MEDICAL CENTER**

PROJECT NAME

**CENTRAL
UTILITY PLANT
PHASE 2**

SITE WORKSHOP PROJECT NUMBER: 1328.2

PROJECT ADDRESS

AUBURN, WA



STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
Mark E. Brands
MARK E. BRANDS
CERTIFICATE NO. 680

REVISIONS

REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17



SECTION, TOWNSHIP, RANGE:

SECTION 18, TOWNSHIP 21 NORTH,
RANGE 5 EAST, W.M.

PROJECT TEAM

REVIEWED BY: M. BRANDS
DESIGNED BY: D. FIELDS
M. BROWN

SHEET NAME

**PLANTING
SCHEDULE**

L5.00

SHEET NUMBER

SHEET 8 OF 11

PLANT SCHEDULE

TREES

CODE	QTY	BOTANICAL NAME	COMMON NAME	COND	CAL	SIZE
AS	4	Acer freemanii 'Scarsen' TM	Scarlet Sentinel Maple	Grow Bag	3"Cal	5' Min. Branching HT
TV	1	Acer circinatum	Vine Maple	Grow Bag		6'-8' HT

SHRUBS

CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING
CO	85	Carex obnupta	Slough Sedge	1 gal	
CA	4	Clethra alnifolia	Summersweet Clethra	2 gal	
IV	22	Itea virginica 'Henry's Garnet'(Zone 1+2)	Henry's Garnet Sweetspire	5 gal	
JE	25	Juncus effusus (Zone 1)	Soft Rush	1 gal	
LR	11	Lonicera pileata 'Royal Carpet'	Royal Carpet Privet Honeysuckle	2 gal	
MA	8	Mahonia aquifolium (Zone 2)	Oregon Grape	5 gal	
MC	8	Mahonia x media 'Charity' (Zone 3)	Mahonia	5 gal	
MC2	12	Morella californica (Zone 1)	California Wax Myrtle	5 gal	
PK	2	Pseudopanax laetus (Zone 2)	Kewi Gem	5 gal	
RP	12	Ribes sanguineum 'Pulborough Scarlet'	Red Flowering Currant	5 gal	
SA	163	Sesleria autumnalis (Zone 3)	Autumn Moor Grass	1 gal	

ANNUALS/PERENNIALS

CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING
GS	21	Geum x 'Sea Breeze'	Cocktail Sea Breeze Geum	1 gal	
IC	24	Iris sibirica 'Caesar's Brother' (Zone 1)	Caesar's Brother Siberian Iris	2 gal	

BULBS

CODE	QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING
AA	60	Allium aflatunense 'Purple Sensation'	Ornamental Onion	bulb	Located in field by Landscape Architect
CI	25	Camassia leichtlinii	Indian Hyacinth	bulb	
CQ	25	Camassia quamash (Zone 1)	Small Camas	bulb	
NM	50	Narcissus x 'Mount Hood'	Mount Hood Daffodil	bulb	

GROUND COVERS

QTY	BOTANICAL NAME	COMMON NAME	CONT	SPACING
38	Arctostaphylos uva-ursi	Kinnikinnick	1 gal	18" o.c.
492	Waldsteinia ternata	Barren Strawberry	4" Pot	12" o.c.
110	Geranium macrorrhizum 'Beven's Variety'	Beven's Variety Geranium	1 gal	18" o.c.

NOTES

- FOR STREET TREE PLANTING REFER TO CITY OF AUBURN DEPARTMENT OF PUBLIC WORKS STANDARD DETAIL TRAFFIC-14.
- ROOT BARRIER SHALL BE INSTALLED AROUND ALL TREES LOCATED WITHIN 10 FEET OF THE RIGHT-OF-WAY. REFERENCE CITY OF AUBURN DEPARTMENT OF PUBLIC WORKS STANDARD DETAIL TRAFFIC-64.
- BULBS TO BE LOCATED IN FIELD BY LANDSCAPE ARCHITECT AND TO BE WELL MIXED AND DISPERSED IN PLANTING AREAS.
- PLANTING AREAS SHALL CONTAIN AT LEAST 12" OF TOPSOIL AT FINISH GRADE. PREPARATION OF SUBGRADE SHALL BE PER SPECIFICATIONS AND BE AMENDED WITH IMPORTED TOPSOIL.
- ALL PLANTING AREAS TO RECEIVE 2" DEPTH BARK MULCH UNLESS OTHERWISE STATED IN DETAILS.
- BRANCHING ON ALL STREET TREES TO BEGIN AT 6' FROM FINISH GRADE.
- ALL TREES SHALL BE FULL HEIGHT AND OF THE QUALITIES SPECIFIED IN THE SCHEDULE.
- ALL SHRUBS ARE FULL AND BUSHY AND ESTABLISHED IN CONTAINERS AS SPECIFIED. ROOT BOUND OR RECENTLY TRANSPLANTED MATERIAL IS UNACCEPTABLE.
- REFER TO SHEET L5.20 FOR PLANTING DETAILS.
- REFER TO CIVIL DRAWINGS FOR GRADING AND DRAINAGE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH GENERAL CONTRACTOR AS REQUIRED TO ACCOMPLISH PLANTING OPERATIONS.
- EXISTING PLANTING AREAS DISTURBED BY CONSTRUCTION TO BE RESTORED.
- REFERENCE ARCHITECTURE PLANS, DETAILS, AND SPECIFICATIONS FOR WATERPROOFING AT PLANTER/BUILDING INTERFACE.
- REFER TO SPECIFICATION SECTION 32 93 10 FOR BIORETENTION SOIL MEDIA REQUIREMENTS.

PROJECT REF: FAC17-0009 _____

THESE PLANS ARE APPROVED FOR CONFORMANCE WITH THE CITY OF AUBURN'S ENGINEERING REQUIREMENTS.

DEV. REVIEW ENGINEER: _____
APPROVED BY: _____
DATE APPROVED: _____

PROJECT REF: FAC17-0009 _____

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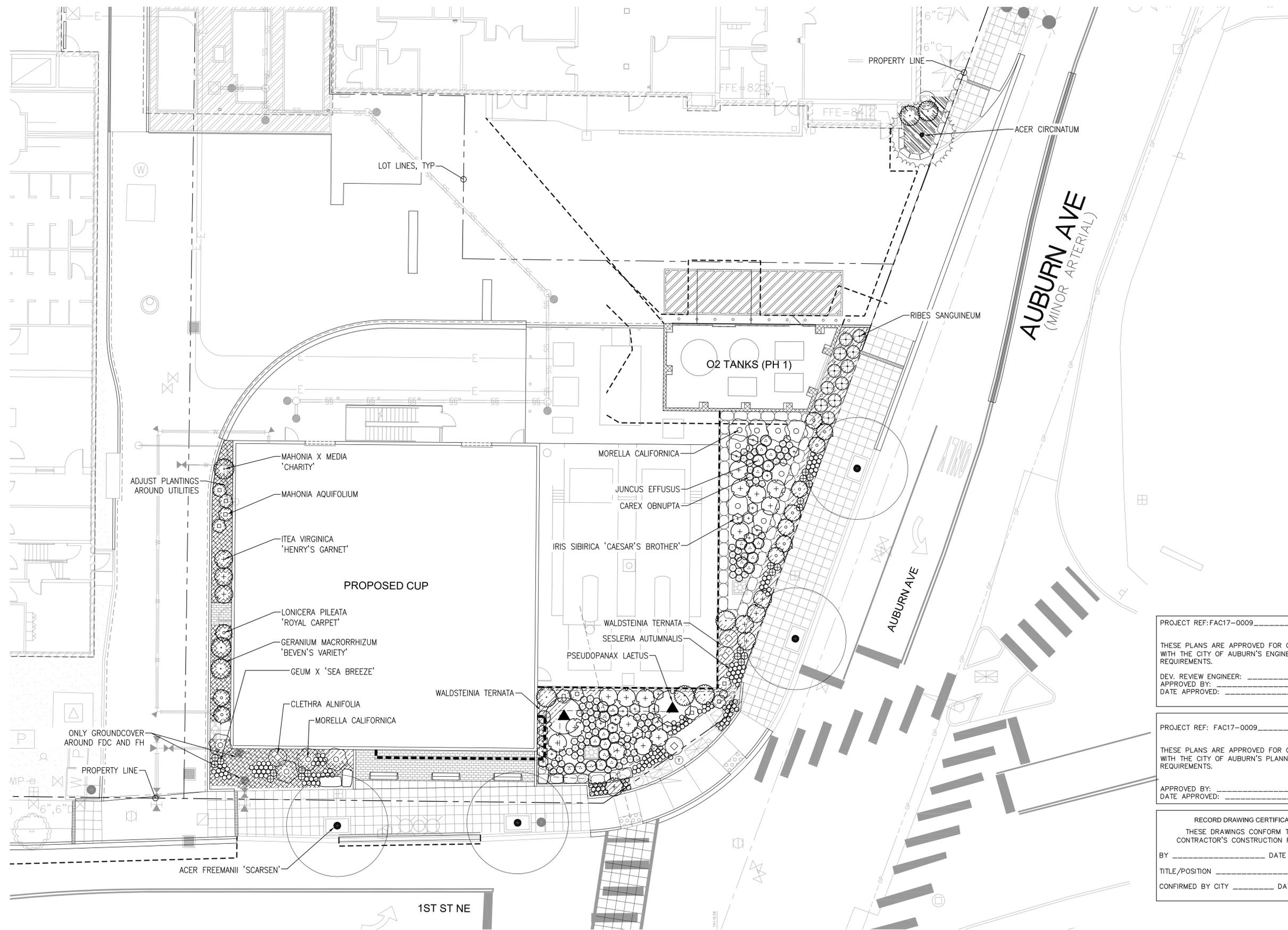
RECORD DRAWING CERTIFICATION
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BY _____ DATE _____

TITLE/POSITION _____

CONFIRMED BY CITY _____ DATE _____

P:\1328.2 Auburn MultiCore Ph. 2\Cad\Sheets\L5.1X Planting Plan.dwg Jul 24, 2017 - 4:29pm



1 PLANTING PLAN - REFER TO L5.00 FOR PLANTING SCHEDULE
SCALE: 1" = 10' - 0"

SiteWorkshop
LANDSCAPE ARCHITECTURE

222 Etruria St., Suite 200
Seattle, Washington 98109
206.285.3026
206.285.3629 fax
www.siteworkshop.net

CLIENT/OWNER
AUBURN MEDICAL CENTER

PROJECT NAME
CENTRAL UTILITY PLANT PHASE 2

SITE WORKSHOP PROJECT NUMBER: 1328.2
PROJECT ADDRESS

AUBURN, WA



STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
M. BRANDS
M. BRANDS
CERTIFICATE NO. 680

REVISIONS		
REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17

PROJECT REF: FAC17-0009
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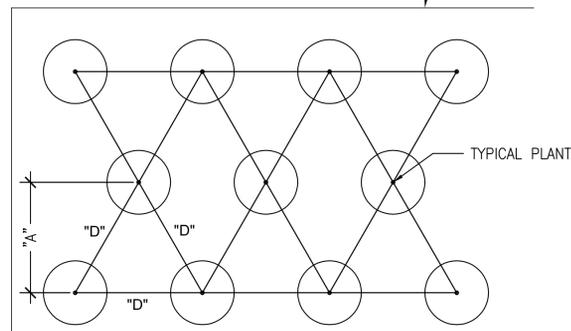
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811
SECTION, TOWNSHIP, RANGE:
SECTION 18, TOWNSHIP 21 NORTH,
RANGE 5 EAST, W.M.

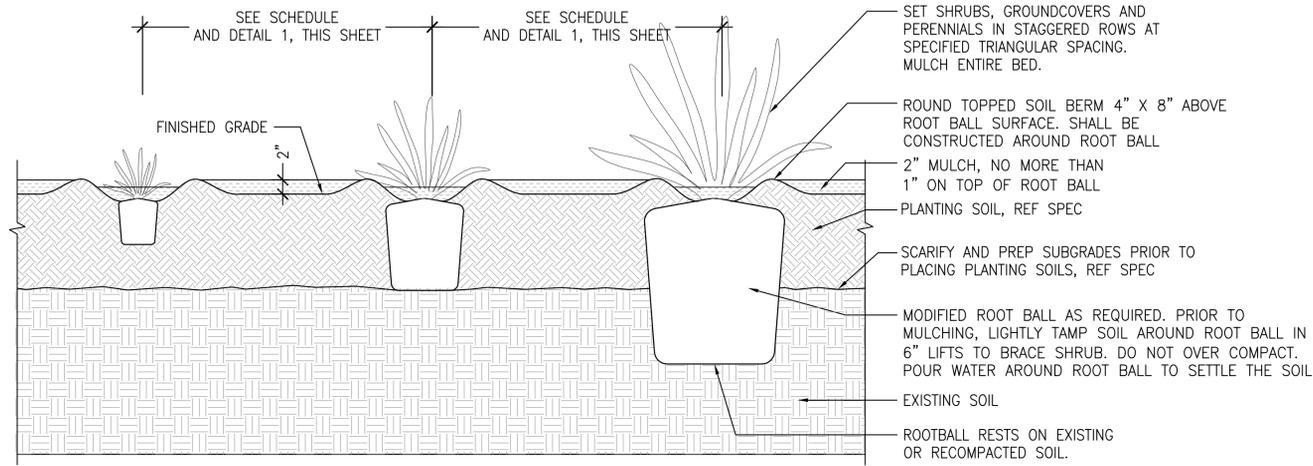
PROJECT TEAM
REVIEWED BY: M. BRANDS
DESIGNED BY: D. FIELDS
M. BROWN

SHEET NAME
PLANTING PLAN
L5.10
SHEET NUMBER
SHEET 9 OF 11

PLANT SPACING "D"	ROW "A"
18" O.C.	15" O.C.
24" O.C.	21" O.C.
36" O.C.	31" O.C.



1 TYPICAL PLANT SPACING
SCALE: 1" = 1'-0"



2 TYPICAL SHRUB, GROUND COVER AND PERENNIAL PLANTING
SCALE: 1" = 1'-0"

PROJECT REF: FAC17-0009

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DATE APPROVED: _____

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BY _____ DATE _____
TITLE/POSITION _____
CONFIRMED BY CITY _____ DATE _____

CLIENT/OWNER

AUBURN MEDICAL CENTER

PROJECT NAME

CENTRAL UTILITY PLANT PHASE 2

SITE WORKSHOP PROJECT NUMBER: 1328.2

PROJECT ADDRESS

AUBURN, WA



STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
M. BRANDS
MAPLE BRANDS
CERTIFICATE NO. 680

REVISIONS

REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17



SECTION, TOWNSHIP, RANGE:
SECTION 18, TOWNSHIP 21 NORTH,
RANGE 5 EAST, W.M.

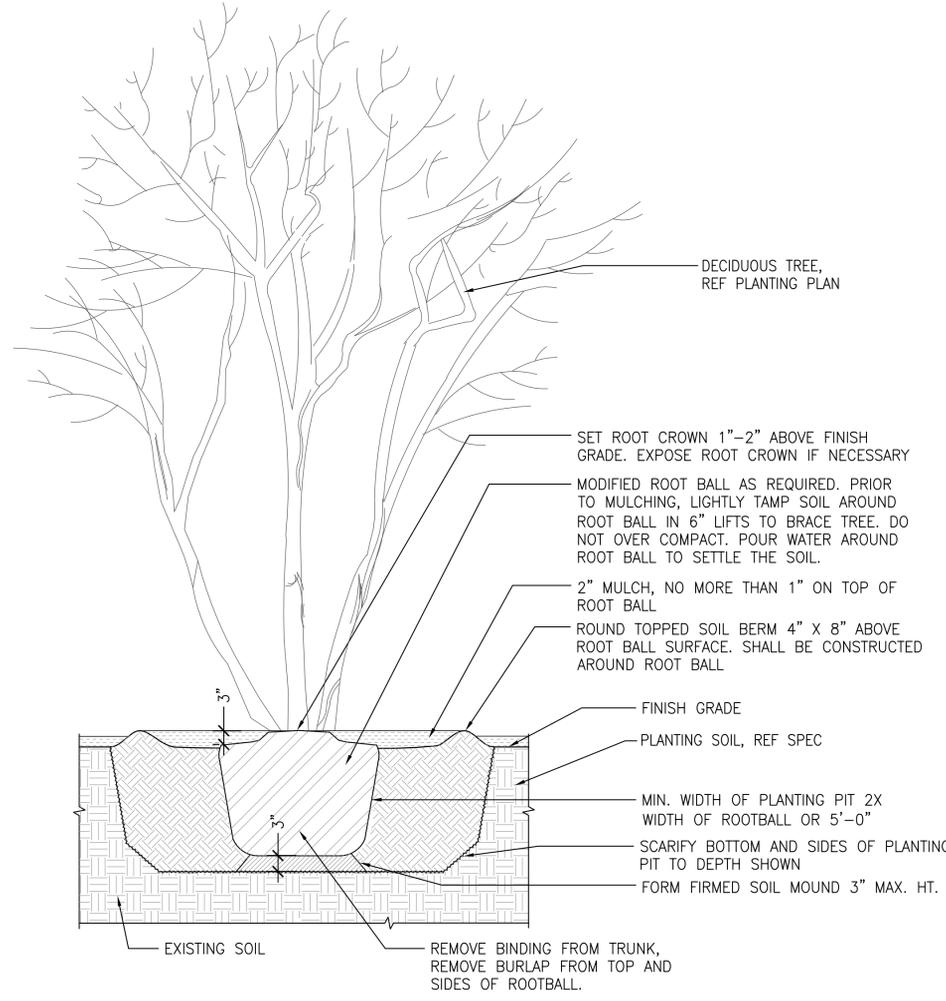
PROJECT TEAM
REVIEWED BY: M. BRANDS
DESIGNED BY: D. FIELDS
M. BROWN

SHEET NAME
PLANTING DETAILS

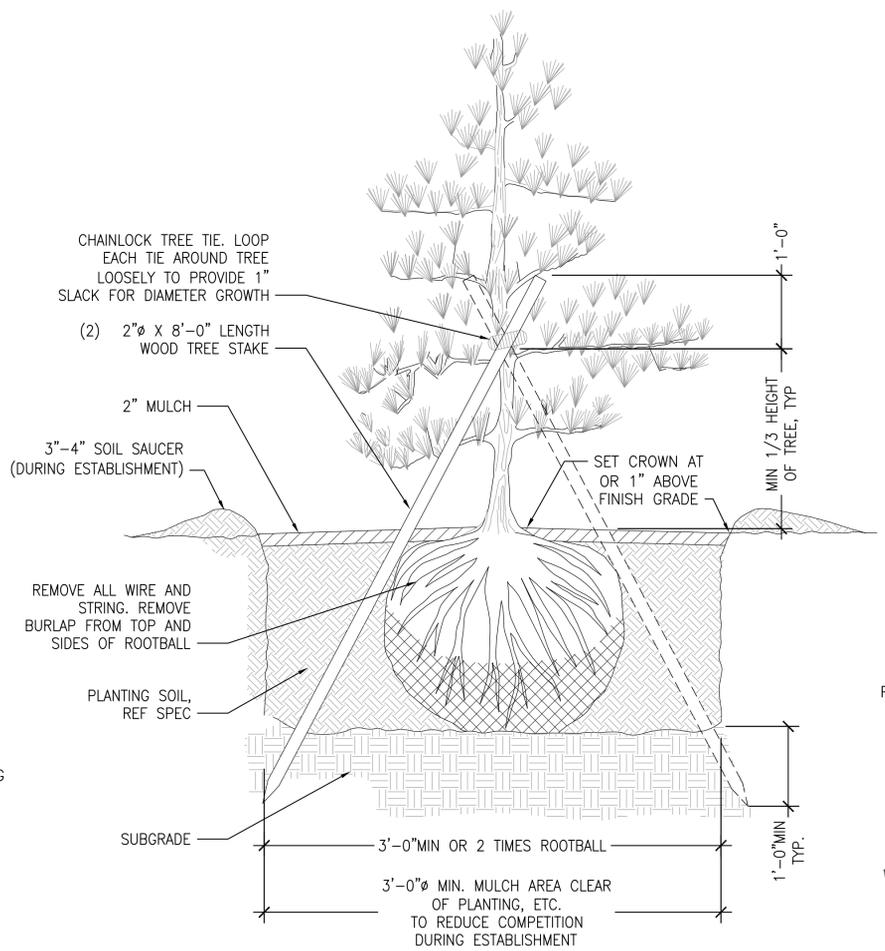
L5.20

SHEET NUMBER

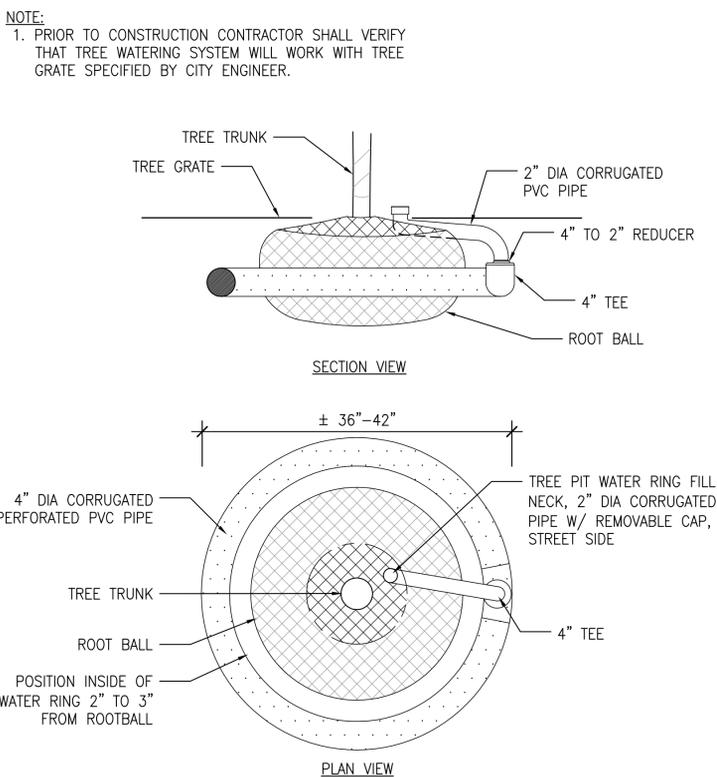
SHEET 10 OF 11



9 TYPICAL MULTI STEM TREE PLANTING
SCALE: 1" = 1'-0"



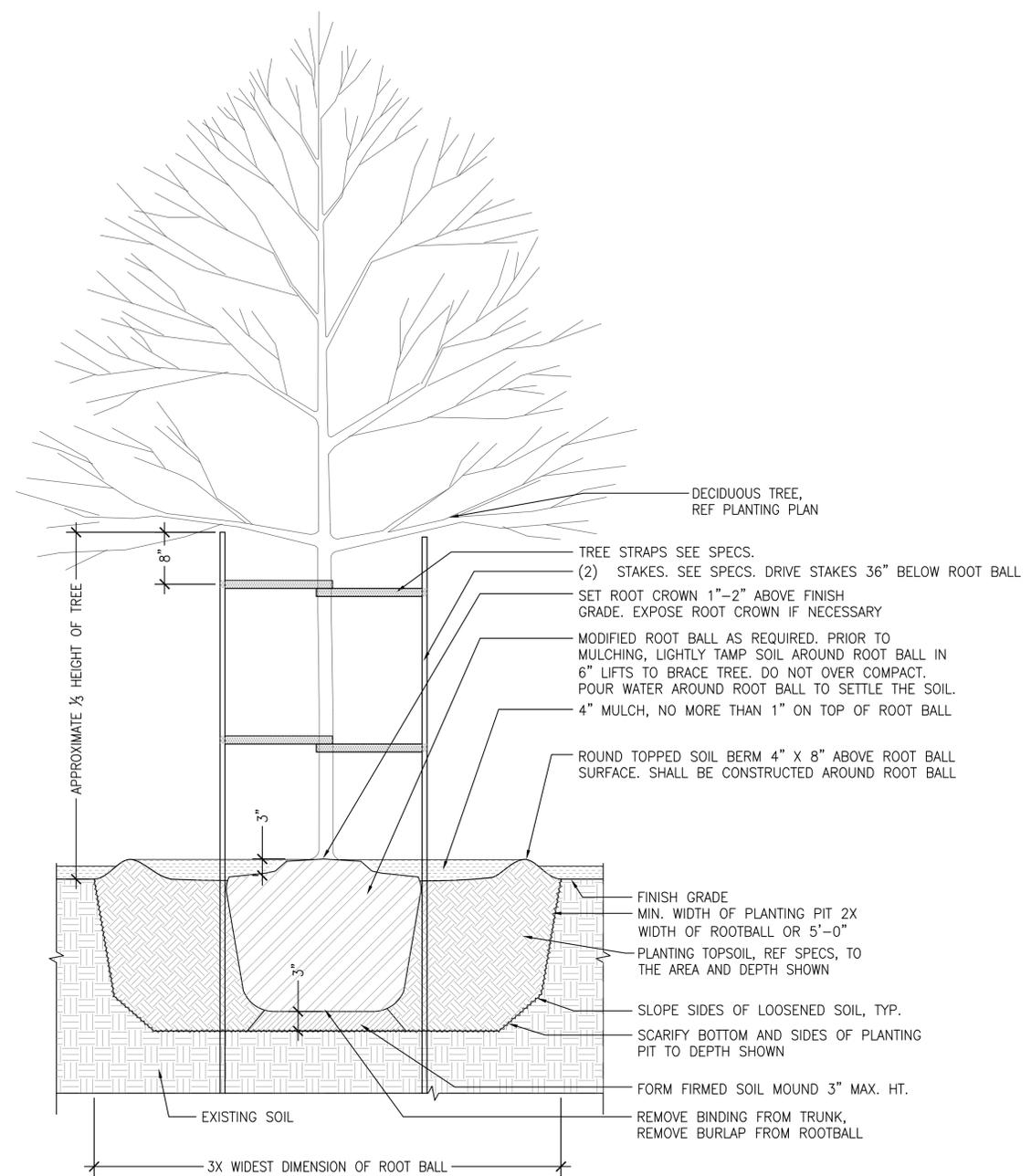
11 CONIFEROUS TREE PLANTING
SCALE: 1" = 1'-0"



12 TREE PIT WATER RING
SCALE: 1" = 1'-0"

NOTE:
1. PRIOR TO CONSTRUCTION CONTRACTOR SHALL VERIFY THAT TREE WATERING SYSTEM WILL WORK WITH TREE GRATE SPECIFIED BY CITY ENGINEER.

P:\1328.2 Auburn MultiCare Ph. 2\Cad\Sheets\L5.2X Planting Details.dwg Jul 24, 2017 - 12:32pm



9 TYPICAL TREE PLANTING
SCALE: 1" = 1'-0"

PROJECT REF: FAC17-0009

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APPROVED BY: _____
DATE APPROVED: _____

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TITLE/POSITION _____

CONFIRMED BY CITY _____ DATE _____

SiteWorkshop
LANDSCAPE ARCHITECTURE

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CLIENT/OWNER
**AUBURN
MEDICAL CENTER**

PROJECT NAME
**CENTRAL
UTILITY PLANT
PHASE 2**

SITE WORKSHOP PROJECT NUMBER: 1328.2
PROJECT ADDRESS

AUBURN, WA



REVISIONS		
REV	ISSUED FOR:	DATE
1	MYLAR SUBMITTAL	07.26.17



SECTION, TOWNSHIP, RANGE:
SECTION 18, TOWNSHIP 21 NORTH,
RANGE 5 EAST, W.M.

PROJECT TEAM
REVIEWED BY: M. BRANDS
DESIGNED BY: D. FIELDS
M. BROWN

SHEET NAME
**PLANTING
DETAILS**

L5.21
SHEET NUMBER

SHEET 11 OF 11