BEAVERTON HIGH SCHOOL REPLACEMENT EXHIBIT 3.A.3.1 P. F.

BEAVERTON, OREGON

GENERAL NOTES

- SURVEY PROVIDED BY KPFF INC., DATED NOVEMBER 3, 2022. ELEVATIONS ARE BASED ON BEAVERTON VERTICAL DATUM ESTABLISHED PER BENCH MARK NO. 386, BEING A BRASS DISK SET AT THE EAST END OF THE CONCRETE BOX CULVERT FOR BEAVERTON CREEK, ON THE SOUTH SIDE OF SW CANYON ROAD, APPROXIMATELY 300 FEET EAST OF SW LOMBARD AVENUE. BASIS OF BEARINGS FOR THIS SURVEY IS THE OREGON COORDINATE REFERENCE SYSTEM (OCRS), PORTLAND ZONE. THE RESULTANT BEARING OF THE CENTERLINE OF SW FARMINGTON ROAD IS NORTH 89°48'22" EAST.
- CONSTRUCTION LAYOUT (ALL ACTUAL LINES AND GRADES) SHALL BE STAKED BY A PROFESSIONAL SURVEYOR, REGISTERED IN THE STATE OF OREGON, BASED ON COORDINATES. DIMENSIONS, BEARINGS, AND ELEVATIONS, AS SHOWN, ON THE PLANS.
- PROJECT CONTROL SHALL BE FIELD VERIFIED AND CHECKED FOR RELATIVE HORIZONTAL POSITION PRIOR TO BEGINNING CONSTRUCTION LAYOUT. SEE SHEET C1.0 FOR PROJECT
- PROJECT CONTROL SHALL BE FIELD VERIFIED AND CHECKED FOR RELATIVE VERTICAL POSITION BASED ON THE BENCHMARK STATED HEREON, PRIOR TO BEGINNING CONSTRUCTION LAYOUT.
- WHEN DIMENSIONS AND COORDINATE LOCATIONS ARE REPRESENTED DIMENSIONS SHALL HOLD OVER COORDINATE LOCATION, NOTIFY THE CIVIL ENGINEER OF RECORD IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES.
- BUILDING SETBACK DIMENSIONS FROM PROPERTY LINES SHALL HOLD OVER ALL OTHER CALLOUTS. PROPERTY LINES AND ASSOCIATED BUILDING SETBACKS SHALL BE VERIFIED PRIOR TO CONSTRUCTION LAYOUT.
- CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING MONUMENTATION DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT OF ANY MONUMENTS DAMAGED OR REMOVED DURING CONSTRUCTION. NEW MONUMENTS SHALL BE REESTABLISHED BY A LICENSED SURVEYOR.
- SOME SITE DEMOLITION AND UTILITY RELOCATION HAS BEEN PERFORMED. SURVEY MAY NOT BE COMPLETE OR ACCURATE. CONTRACTOR TO VERIFY EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR TO REFERENCE SOILS REPORT BY GRI DATED 03/24/23 FOR THE SITE SOILS CONDITIONS.
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THESE PLANS, THE PROJECT SPECIFICATIONS AND THE APPLICABLE REQUIREMENTS OF THE 2022 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- THE COMPLETED INSTALLATION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES AND REGULATIONS. ALL PERMITS, LICENSES AND INSPECTIONS REQUIRED BY THE GOVERNING AUTHORITIES FOR THE EXECUTION AND COMPLETION OF WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION.
- ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON OAR 952-001-0090, YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503) 232-1987 EXCAVATORS MUST NOTIFY ALL PERTINENT COMPANIES OR AGENCIES WITH UNDERGROUND UTILITIES IN THE PROJECT AREA AT LEAST 48 BUSINESS-DAY HOURS, BUT NOT MORE THAN 10 BUSINESS DAYS PRIOR TO COMMENCING AN EXCAVATION, SO UTILITIES MAY BE ACCURATELY LOCATED.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. CONTRACTOR SHALL VERIFY ELEVATIONS, PIPE SIZE, AND MATERIAL TYPES OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING WITH CONSTRUCTION AND SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF KPFF CONSULTING ENGINEERS, 72 HOURS PRIOR TO START OF CONSTRUCTION TO PREVENT GRADE AND ALIGNMENT CONFLICTS.
- THE ENGINEER OR OWNER IS NOT RESPONSIBLE FOR THE SAFETY OF THE CONTRACTOR OR HIS CREW. ALL O.S.H.A. REGULATIONS SHALL BE STRICTLY ADHERED TO IN THE PERFORMANCE OF THE WORK.
- TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE IMPLEMENTED. THE CONTRACTOR SHALL ADHERE TO CITY OF BEAVERTON EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL FOR MINIMUM EROSION CONTROL MEASURES. THE ESC FACILITIES SHOWN IN THESE PLANS ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT LEAVE THE SITE.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL ROADWAYS, KEEPING THEM CLEAN AND FREE OF CONSTRUCTION MATERIALS AND DEBRIS, AND PROVIDING DUST CONTROL AS
- TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN TO BEAVERTON SCHOOL DISTRICT FOR REVIEW AND APPROVAL PRIOR TO COMMENCING CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ALL UTILITIES TO BLDG. AT ALL TIMES DURING CONSTRUCTION.
- . THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL WORK WITH THE OWNER.
- 20. NOTIFY BEAVERTON SCHOOL DISTRICT INSPECTOR 72 HOURS BEFORE STARTING WORK. A PRECONSTRUCTION MEETING WITH THE OWNER, THE OWNER'S ENGINEER, CONTRACTOR AND THE TIGARD-TUALATIN SCHOOL DISTRICT REPRESENTATIVE SHALL BE REQUIRED.

EARTHWORKS

- CONTRACTOR SHALL PREVENT SEDIMENTS AND SEDIMENT LADEN WATER FROM ENTERING THE STORM DRAINAGE SYSTEM.
- TRENCH BEDDING AND BACKFILL SHALL BE AS SHOWN ON THE PIPE BEDDING AND BACKFILL DETAIL, THE PROJECT SPECIFICATIONS AND AS REQUIRED IN THE SOILS REPORT. FLOODING OR JETTING THE BACKFILLED TRENCHES WITH WATER WILL NOT BE PERMITTED.

SEE PLANS AND DETAILS FOR SIDEWALK FINISHING AND SCORING PATTERNS.

CONSTRUCTION NOTES

GENERAL

- 1. ACTUAL LINES AND GRADES SHALL BE STAKED BY A PROFESSIONAL SURVEYOR, REGISTERED IN THE STATE OF OREGON, BASED ON DIMENSIONS, ELEVATIONS AND BEARINGS AS SHOWN ON THE PLANS.
- 2. SPECIAL INSPECTION REQUIRED FOR ALL COMPACTION TESTING.

DEMOLITION

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND DISPOSAL OF EXISTING AC, CURBS, SIDEWALKS AND OTHER SITE ELEMENTS WITHIN THE SITE AREA IDENTIFIED IN THE PLANS.
- EXCEPT FOR MATERIALS INDICATED TO BE STOCKPILED OR TO REMAIN ON OWNER'S PROPERTY. CLEARED MATERIALS SHALL BECOME CONTRACTOR'S PROPERTY, REMOVED FROM THE SITE, AND DISPOSED OF
- 3. ITEMS INDICATED TO BE SALVAGED SHALL BE CAREFULLY REMOVED AND DELIVERED STORED AT THE PROJECT SITE AS DIRECTED BY THE OWNER.
- ALL LANDSCAPING, PAVEMENT, CURBS AND SIDEWALKS, BEYOND THE IDENTIFIED SITE AREA, DAMAGED DURING THE CONSTRUCTION SHALL BE REPLACED TO THEIR ORIGINAL CONDITION OR BETTER.
- CONCRETE SIDEWALKS SHOWN FOR DEMOLITION SHALL BE REMOVED TO THE NEAREST EXISTING CONSTRUCTION JOINT.
- 6. SAWCUT STRAIGHT MATCHLINES TO CREATE A BUTT JOINT BETWEEN THE EXISTING AND NEW PAVEMENT
- 7. CONTRACTOR MAY STAGE WITHIN LIMITS OF DEMOLITION.
- REMOVE ALL SITE COMPONENTS AND RECYCLE COMPONENTS AS REQUIRED IN THE SPECIFICATIONS.
- GENERAL DEMOLITION PERMIT SHALL BE SECURED BY THE CONTRACTOR
- 10. ALL TRADE LICENSES AND PERMITS NECESSARY FOR THE PROCUREMENT AND COMPLETION OF THE WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO COMMENCING DEMOLITION.
- 11. THE CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING RIGHT-OF-WAY SURVEY MONUMENTATION DURING DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT BY A LICENSED SURVEYOR OF ANY DAMAGED OR REMOVED MONUMENTS.
- 12. PROTECT ALL ITEMS ON ADJACENT PROPERTIES AND IN THE RIGHT OF WAY INCLUDING BUT NOT LIMITED TO SIGNAL EQUIPMENT, PARKING METERS, SIDEWALKS, STREET TREES, STREET LIGHTS, CURBS, PAVEMENT AND SIGNS. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY DAMAGED ITEMS TO ORIGINAL CONDITION.
- PROTECT STRUCTURES, UTILITIES, SIDEWALKS, AND OTHER FACILITIES IMMEDIATELY ADJACENT TO EXCAVATIONS FROM DAMAGES CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS.
- 14. SAWCUT STRAIGHT LINES IN SIDEWALK, AS NECESSARY.
- 15. CONTRACTOR IS RESPONSIBLE TO CONTROL DUST AND MUD DURING THE DEMOLITION PERIOD, AND DURING TRANSPORTATION OF DEMOLITION DEBRIS. ALL STREET SURFACES OUTSIDE THE CONSTRUCTION ZONE MUST BE KEPT CLEAN.

UTILITIES

- ADJUST ALL INCIDENTAL STRUCTURES, MANHOLES, VALVE BOXES, CATCH BASINS, FRAMES AND COVERS, ETC.
- CONTRACTOR SHALL ADJUST ALL EXISTING AND/OR NEW FLEXIBLE UTILITIES (WATER, TV, TELEPHONE, ELEC., ETC.) TO CLEAR ANY EXISTING OR NEW GRAVITY DRAIN UTILITIES (STORM DRAIN, SANITARY SEWER, ETC.) IF CONFLICT OCCURS.
- 3. CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY COMPANIES FOR THE INSTALLATION OF OR ADJUSTMENT TO GAS, ELECTRICAL, POWER AND TELEPHONE SERVICE.
- 4. BEFORE BACKFILLING ANY SUBGRADE UTILITY IMPROVEMENTS, CONTRACTOR SHALL SURVEY AND RECORD MEASUREMENTS OF EXACT LOCATION AND DEPTH AND SUBMIT TO ENGINEER AND OWNER.
- ALL WORK TO CONFORM TO THE 2022 OREGON PLUMBING SPECIALTY CODE

STORM AND SANITARY

- CONNECTIONS TO EXISTING STORM AND SANITARY SEWERS SHALL CONFORM TO THE 2022 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, SECTION 00490, "WORK ON EXISTING SEWERS AND STRUCTURES".
- BEGIN LAYING STORM DRAIN AND SANITARY SEWER PIPE AT THE LOW POINT OF THE SYSTEM. TRUE TO GRADE AND ALIGNMENT INDICATED WITH UNBROKEN CONTINUITY OF INVERT. THE CONTRACTOR SHALL ESTABLISH LINE AND GRADE FOR THE STORM AND SANITARY PIPE USING A LASER.
- ACTUAL LINES AND GRADES SHALL BE STAKED BY A QUALIFIED SURVEYOR, BASED ON COORDINATES, DIMENSIONS, AND BEARINGS INDICATED ON THE PLANS. CONTRACTOR SHALL RETAIN A SURVEYOR LICENSED IN THE STATE OF OREGON.
- ALL ROOF DRAINS AND CATCH BASIN LEADERS SHALL HAVE A MINIMUM SLOPE OF 2 PERCENT UNLESS NOTED OTHERWISE IN THE PLANS.
- 5. ALL HORIZONTAL CONNECTIONS TO THE SANITARY OR STORM SHALL BE OF THE 'WYE' BRANCH TYPE.

MATERIAL NOTES

- GENERAL: MATERIALS SHALL BE NEW. THE USE OF MANUFACTURER'S NAMES, MODELS AND NUMBERS IS INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, AND USEFULNESS. PROPOSED SUBSTITUTIONS WILL REQUIRE WRITTEN APPROVAL FROM ARCHITECT PRIOR TO
- 2. STORM AND SANITARY SEWER PIPING SHALL BE PVC PIPE OR HIGH DENSITY POLYETHYLENE (HDPE) PIPE CONFORMING TO THE PROJECT SPECIFICATIONS; AS INDICATED IN THE PLANS.
- 3. CONCRETE FOR CURBS, SIDEWALK AND DRIVEWAYS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3.300 PSI AT 28 DAYS.

SHEET INDEX

LAND USE SUBMITAL SET

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C1.01	DEMO PLAN	C5.03	DETAILS
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C4.07	STORM PLAN		CE TO EXCAVATORS: NTION: OREGON LAW REQUIRES
C4.08	STORM PLAN	TO F	OLLOW RULES ADOPTED BY THE
C4.09	STORM PLAN		SON UTILITY NOTIFICATION CENTE SE RULES ARE SET FORTH IN O
	OTOPM PLAN		-001-0010 THROUGH OAR

THIS DESIGN COMPLIES WITH ORS 92.044(7) IN THAT NO UTILITY INFRASTRUCTURE IS DESIGNED TO BE WITHIN 1 FOOT OF A SURVEY MONUMENT LOCATION SHOWN ON A SUBDIVISION OR PARTITION PLAT. NO DESIGN EXCEPTION OR FINAL FIELD LOCATION CHANGE SHALL BE PERMITTED IF IT WOULD CAUSE ANY UTILITY INFRASTRUCTURE TO BE PLACED WITHIN A PROHIBITED AREA.

C4.10 | STORM PLAN

C4.11 STORM PLAN

C4.12 STORM PLAN

C4.51 | SPORTS FIELD DRAINAGE

C4.52 | SPORTS FIELD DRAINAGE

et	Sheet Title	C4.53	SPORTS FIELD DRAINAGE
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)8	DEMO PLAN	C5.09	DETAILS
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)5	STORM PLAN	ST11.3	STORM PLANTER DETAILS
)6	STORM PLAN		
)7	STORM PLAN		<u>CE TO EXCAVATORS:</u> NTION: OREGON LAW REQUIRES `
)8	STORM PLAN	TO F	OLLOW RULES ADOPTED BY THE
		OREG	ON UTILITY NOTIFICATION CENTER

952-001-0010 THROUGH OAR

CENTER IS (503)-232-1987).

952-001-0100. YOU MAY OBTAIN

COPIES OF THE RULES BY CALLING THE

POTENTIAL UNDERGROUND FACILITY OWNERS

Call before you dig.

EMERGENCY TELEPHONE NUMBERS

or 800-332-2344

1-800-573-131

1-800-391-3000

877-508-5088

503-823-1700

503-464-7777

503-823-4874

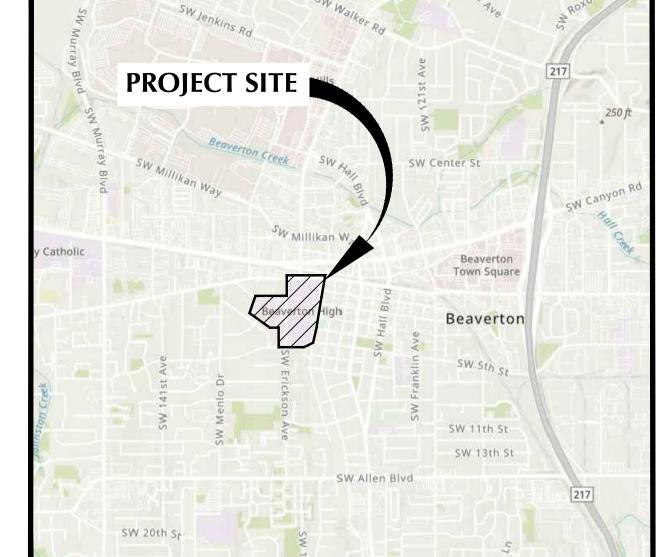
1-800-VERIZON

503-226-4211 x4313

(NOTE: THE TELEPHONE NUMBER FOR

THE OREGON UTILITY NOTIFICATION

CENTURYLINK COMCAST NW NATURAL GAS PACIFICORP PBOT MAINTENANCE PORTLAND WATER BUREAU VERIZON



VICINITY MAP

SCALE: NTS

PROJECT CONTACTS

OWNER: BEAVERTON SCHOOL DISTRICT 48 16550 SW MERLO ROAD BEAVERTON, OREGON 97003 TEL: 503-356-4318

CONTACT: MEGAN FULLER CIVIL ENGINEER/PROJECT MANAGER: KPFF CONSULTING ENGINEERS 111 SW FIFTH AVENUE, SUITE 2500 PORTLAND, OREGON 97204 TEL: 0:503-227-3860, D:503-542-3806 CONTACT: ERIC MELLE

ARCHITECT: BRIC ARCHITECTURE, INC. PORTLAND, OREGON 97209 TEL: 0:503-595-4903, D:503-595-4903 CONTACT: DAN HESS

LANSCAPE ARCHITECT:

WALKER MACY 111 SW OAK ST #200 PORTLAND, OREGON 97204 0:503-228-3122 CONTACT: CHELSEA MCCANN

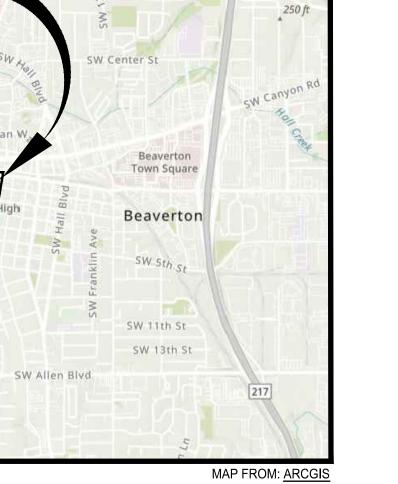
ELECTRICAL ENGINEERING: INTERFACE

100 SW MAIN ST 1600 PORTLAND, OREGON 97204 0:503-382-2266 CONTACT: THOMAS PHOUNG

GEOTHECNICAL ENGINEERING:

16520 SW UPPER BONES FERRY RD TIGARD, OREGON 97224 TEL: 0:503-641-3478 CONTACT: THOMAS O'DELL

CITY OF BEAVERTON USE ONLY



BEAVERTON HIGH **SCHOOL REBUILD**

13000 SW 2ND STREET BEAVERTON, OREGON 97005

ARCHITECTURE, INC

BEAVERTON

SCHOOL DISTRICT

Portland, OR 97204

F: 503.274.4681

BEAVERTON SCHOOL DISTRICT

503-356-4500



evisions	

LAND USE RESUBMITTAL phase SET

08/11/2023

21016 project

date

COVER SHEET

GENERAL:

- 1. ALL PUBLIC IMPROVEMENTS SHALL BE CONSTRUCTED PER THE APPLICABLE SECTIONS OF THE CITY OF BEAVERTON ENGINEERING DESIGN MANUAL (ORDINANCE 4417) AND CLEAN WATER SERVICES DISTRICT'S DESIGN AND CONSTRUCTION STANDARDS (RESOLUTION AND ORDER 2007-20).
- EXISTING UTILITY LOCATIONS ARE APPROXIMATE ONLY. IN ORDER TO PROTECT EXISTING UNDERGROUND UTILITIES. CONTRACTORS PERFORMING WORK SHOWN ON THESE PLANS MUST NOTIFY UTILITIES AND PUBLIC AGENCIES AT LEAST 48 BUSINESS HOURS IN ADVANCE OF, AND NO MORE THAN 10 BUSINESS DAYS BEFORE, BEGINNING EXCAVATION, IN ACCORDANCE WITH THE PROVISIONS OF OAR 952-001-0090. LIMITS OF WORK SHALL BE PRE-MARKED FOR THE UTILITY LOCATORS. POTHOLE ALL CROSSINGS AS NECESSARY TO PREVENT GRADE AND ALIGNMENT CONFLICTS. REPORT ALL CONFLICTS TO THE ENGINEER IMMEDIATELY. PROTECT EXISTING UTILITIES AT ALL TIMES DURING CONSTRUCTION. CALL THE ONE CALL UTILITY NOTIFICATION CENTER AT 503-246-6699 FOR UTILITY LOCATES. ANY DAMAGE TO EXISTING UTILITIES, WHETHER THEY'RE SHOWN ON THESE DRAWINGS OR NOT, WILL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE. ATTENTION: OREGON LAW REQUIRES ALL EXCAVATORS TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-0010010THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER OF THE ADMINISTRATION OFFICE FOR THE OREGON UTILITY NOTIFICATION CENTER IS 503-232-1987).
- THE CONTRACTOR SHALL EXERCISE ALL DUE CARE IN PROTECTING PROPERTY ALONG THE ROUTE OF THE IMPROVEMENTS. THIS PROTECTION SHALL INCLUDE, BUT NOT BE LIMITED TO, TREES, YARDS, FENCES, DRAINAGE LINES, MAIL BOXES, DRIVEWAYS, SHRUBS, LAWNS, IRRIGATION SYSTEMS, WITHIN ANY RIGHTS-OF-WAYS AND EASEMENTS. IF ANY OF THE ABOVE HAVE BEEN DISTURBED. THEY SHALL BE RESTORED AS NECESSARY TO AS NEAR THEIR ORIGINAL CONDITION AS POSSIBLE OR REPLACED IN KIND.
- THE CONTRACTOR SHALL PERFORM ALL THE WORK SHOWN ON THE DRAWINGS AND ALL INCIDENTAL WORK CONSIDERED NECESSARY TO COMPLETE THE PROJECT IN AN ACCEPTABLE MANNER.
- THE CONTRACTOR AND/OR EACH SUB-CONTRACTOR SHALL HAVE A MINIMUM OF ONE SET OF CITY-APPROVED CONSTRUCTION PLANS ON THE JOB SITE AT ALL TIMES DURING EACH CONSTRUCTION PHASE WHILE WORK IS BEING DONE.
- ALL MATERIAL SUPPLIERS SHALL SUBMIT TO THE ENGINEER PROOF OF MATERIAL(S) TESTED IN ACCORDANCE WITH SPECIFICATIONS. BY ACCEPTANCE OF THE CONTRACT WITH THE OWNER/DEVELOPER, THE CONTRACTOR CERTIFIES THAT ALL MATERIALS DELIVERED TO THE JOB SITE WILL MEET OR EXCEED THOSE SPECIFICATIONS. ANY MATERIAL NOT CONFORMING SHALL BE REMOVED FROM THE SITE AT NO ADDITIONAL COST TO THE OWNER.
- FOLLOWING SUBSTANTIAL COMPLETION, THE DEVELOPER'S ENGINEER SHALL PROVIDE THREE PAPER-COPY, AS-BUILT AND RECORD DRAWING SETS OF ALL SHEETS IN THIS PLAN SET PLUS ANY APPROVED REVISIONS. AFTER WALK THROUGH AND PUNCH-LIST PREPARATION BY CITY CREWS, THE CITY INSPECTOR WILL REQUEST REVISIONS TO THE AS-BUILTS AND RECORD DRAWINGS. THE DEVELOPER'S ENGINEER SHALL THEN PROVIDE ONE SET OF MYLAR AS-BUILTS AND RECORD DRAWINGS AND AN ELECTRONIC COPY IN AUTOCAD FORMAT (DXF OR DWG FILES) ON DISK TO THE CITY INSPECTOR, PER CITY STANDARDS. THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR AT LEAST 48 HOURS (TWO FULL WORKING DAYS) PRIOR TO BEGINNING THE PROJECT. CONNECTIONS BETWEEN EXISTING INFRASTRUCTURE AND NEW WORK SHALL NOT BE MADE UNTIL NECESSARY INSPECTIONS AND TESTS HAVE BEEN COMPLETED ON THE NEW WORK AND IT IS FOUND TO CONFORM IN ALL RESPECTS TO THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS.

STREETS AND STRUCTURAL FILLS:

- ALL TREES. BRUSH AND DEBRIS WITHIN THE LIMITS OF THE RIGHT-OF-WAY AND ON THE AREAS TO BE FILLED SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS OR FLAGGED IN THE
- ALL AREAS OF CONSTRUCTION SHALL BE STRIPPED. STRIPPING SHALL CONSIST OF REMOVING THE TOPSOIL HUMUS. STRIPPING MATERIALS SHALL BE PLACED OR STOCKPILED BY THE CONTRACTOR ON SITE AS SHOWN ON THE PLANS AND PER INSTRUCTION BY THE INSPECTOR, OR HAULED OFF SITE TO AN APPROVED LOCATION.
- EMBANKMENTS AND STRUCTURAL FILLS FOR ROADWAY CONSTRUCTION OR FILLS TO BE CONSTRUCTED ON BUILDABLE AREAS SHALL BE CONSTRUCTED FROM EXCAVATED MATERIALS ACCEPTABLE TO THE SOILS ENGINEER AND SHALL BE BROUGHT TO GRADE IN LIFTS NOT TO EXCEED 8" LOOSE MEASURE. EACH LIFT SHALL BE COMPACTED TO 95 PERCENT OF MAXIMUM DENSITY AS OBTAINED BY AASHTO T-99 COMPACTION TEST. COMBINATION TEST RESULTS SHALL BE SUBMITTED TO THE CITY INSPECTOR.
- FILLS SHALL NOT BE CONSTRUCTED ON NATURAL SLOPES STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL. ALL FILL SLOPES SHALL NOT EXCEED 2 HORIZONTAL TO 1 VERTICAL. NO ROCK OR SIMILAR IRREDUCIBLE MATERIAL WITH A MINIMUM DIMENSION GREATER THAN 12 INCHES SHALL BE BURIED OR PLACED IN THE FILLS.
- IF SPRINGS OR GROUND WATER ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL ADVISE THE SOILS AND CIVIL ENGINEERS OF THE CONDITION FOUND AND COORDINATE ACTIVITIES IN A MANNER THAT WILL ALLOW THE ENGINEER(S) TIME TO REVIEW THE SITUATION AND PREPARE A PLAN TO PROPERLY DISPOSE OF THE WATER ENCOUNTERED FOR CITY APPROVAL AND PER CLEAN WATER SERVICES REQUIREMENTS.
- ROCK BASE, ASPHALTIC CONCRETE PAVEMENT, CONCRETE PAVEMENT CURB AND SIDEWALK CONSTRUCTION SHALL BE AS SHOWN ON THE TYPICAL SECTIONS AND DETAIL SHEET AND IN ACCORDANCE WITH THE SPECIFICATIONS REFERENCED ABOVE.
- THE CONTRACTOR SHALL CLEAN ALL SPILLED DIRT, GRAVEL OR OTHER FOREIGN MATERIAL CAUSED BY THE CONSTRUCTION OPERATIONS FROM ALL STREETS AND ROADS AT THE CONCLUSION OF EACH DAY OR OPERATION. CLEANING SHALL BE BY GRADER AND FRONT-END LOADER, SUPPLEMENTED BY POWER BRUSHING AND HAND LABOR UNLESS OTHERWISE APPROVED BY THE CITY. THE CONTRACTOR SHALL FOLLOW CITY AND CWS EROSION CONTROL PROCEDURES.
- AS SOON AS PRACTICAL AFTER COMPLETION OF ALL PAVING AND GRAVEL SHOULDER RESURFACING, THE CONTRACTOR SHALL REMOVE ALL DIRT, MUD, ROCK GRAVEL AND OTHER FOREIGN MATERIAL FROM THE PAVED SURFACE AND STORM DRAINAGE SYSTEM.

STORM SEWER:

- 1. ALL STORM SEWER CONSTRUCTION AND ALL MATERIALS SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE CITY ENGINEERING DESIGN MANUAL & CWS DESIGN AND CONSTRUCTION STANDARDS.
- ALL SERVICE LATERALS TO BE CONSTRUCTED AT A MINIMUM SLOPE OF ONE-QUARTER INCH PER LINEAR FOOT UNLESS OTHERWISE SHOWN ON PLANS OR APPROVED BY THE CITY BUILDING DIVISION.

- ALL EXISTING STORM SYSTEMS SHALL BE CLEANED AND FLUSHED AND ORIGINAL DRAINAGE RESTORED. SEDIMENT, ROCK AND OTHER DEBRIS SHALL BE COLLECTED AND DISPOSED OF IN A PROPER MANNER. IN NO CASE SHALL DEBRIS BE FLUSHED DOWN A STORM OR SANITARY SEWER FOR DISPOSAL. ALL DAMAGED IRRIGATION AND HOUSE DRAINAGE PIPE, DRAIN TILES, SEWER LATERALS AND CULVERTS SHALL BE REPAIRED EXPEDITIOUSLY. DEBRIS COLLECTED SHALL BE DISPOSED IN A COMMERCIAL LANDFILL OR OTHER APPROVED LOCATION.
- STORM SEWER PIPE SHALL BE OF THE SIZE AND TYPE NOTED ON THE PLANS. CONCRETE REINFORCED PIPE SHALL BE BELL & SPIGOT PIPE AND SHALL CONFORM TO ASTM C76-CL 4 (UNLESS OTHERWISE SHOWN). CATCH BASINS AND CURB INLETS SHALL BE THE TYPE SHOWN ON THE DETAIL SHEET.
- INSTALLATION OF THE STORM SEWER SHALL BE PERFORMED ACCORDING TO THE STANDARD PRACTICE. PIPE LINES SHALL BE LAID ON A STRAIGHT ALIGNMENT AND UNIFORM GRADE BETWEEN STRUCTURES. PIPE BEDDING SHALL BE PLACED TO FORM A CONTINUOUS AND UNIFORM BEARING SUPPORT FOR THE PIPE AT EVERY POINT BETWEEN JOINTS; PIPE ZONE MATERIAL SHALL BE FIRST PLACED UP TO THE SPRING LINE OF THE PIPE AND MATERIAL UNIFORMLY COMPACTED BY HAND TO INSURE PROPER SUPPORT WITHIN THE PIPE HAUNCHES. ALL BACKFILL IN PUBLIC RIGHT OF WAY AND OTHER TRAFFIC AREAS SHALL BE 3/4"-0" COMPACTED CRUSHED ROCK, COMPACTED TO 95% PERCENT OF MAXIMUM DENSITY AS OBTAINED BY AASHTO T-99 COMPACTION TEST.
- STORM SEWER STUBS AND SERVICE LATERALS SHALL BE MARKED WITH 2"X4", MINIMUM 8 FOOT POSTS (WITH AT LEAST 3 FEET EXPOSED ABOVE GROUND) PAINTED WHITE WITH THICK, BLACK PEN OR BLACK LUMBER CRAYON INDICATING DEPTH OF PIPE, LOT # (IF APPLICABLE), AND STATIONING. PVC PIPE USED FOR STORM SERVICE LATERALS SHALL BE WHITE IN COLOR.
- PRIOR TO ACCEPTANCE, ALL PUBLIC STORM SEWER SHALL BE THOROUGHLY CLEANED AND, AS APPROPRIATE, MANDRELLED AND TV-SCANNED IN ACCORDANCE WITH THE CITY OF BEAVERTON'S REQUIREMENTS FOR SUCH TESTS.

SANITARY SEWERS:

- ALL SANITARY SEWER CONSTRUCTION AND ALL MATERIALS SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE CITY ENGINEERING DESIGN MANUAL & CWS DESIGN AND CONSTRUCTION STANDARDS.
- ALL SERVICE LATERALS TO BE CONSTRUCTED AT A MINIMUM SLOPE OF ONE-QUARTER INCH PER LINEAR FOOT UNLESS OTHERWISE SHOWN ON PLANS OR APPROVED BY THE CITY BUILDING DIVISION.
- INSTALLATION OF THE SANITARY SEWER SHALL BE PERFORMED ACCORDING TO THE STANDARD PRACTICE. PIPE LINES SHALL BE LAID ON A STRAIGHT ALIGNMENT AND UNIFORM GRADE BETWEEN STRUCTURES. PIPE BEDDING SHALL BE PLACED TO FORM A CONTINUOUS AND UNIFORM BEARING SUPPORT FOR THE PIPE AT EVERY POINT BETWEEN JOINTS; PIPE ZONE MATERIAL SHALL BE FIRST PLACED UP TO THE SPRING LINE OF THE PIPE AND MATERIAL UNIFORMLY COMPACTED BY HAND TO INSURE PROPER SUPPORT WITHIN THE PIPE HAUNCHES. ALL BACKFILL IN PUBLIC RIGHT OF WAY AND OTHER TRAFFIC AREAS SHALL BE 3/4"-0" COMPACTED CRUSHED ROCK COMPACTED TO 95% OF MAXIMUM DENSITY AS OBTAINED BY AASHTO T-99 COMPACTION TEST.
- SANITARY SEWER STUBS AND SERVICE LATERALS SHALL BE MARKED WITH 2"X4", MINIMUM 8 FOOT POSTS (WITH AT LEAST 3 FEET EXPOSED ABOVE GROUND) PAINTED GREEN OR RED WITH THICK, BLACK PEN OR BLACK LUMBER CRAYON INDICATING DEPTH OF PIPE, LOT # (IF APPLICABLE), AND STATIONING. PVC PIPE USED FOR SANITARY SERVICE LATERALS SHALL BE GREEN IN COLOR.
- PRIOR TO ACCEPTANCE, ALL PUBLIC SANITARY SEWERS SHALL BE THOROUGHLY CLEANED AND, AS APPROPRIATE, MANDRELLED AND AIR TESTED AND TV SCANNED IN ACCORDANCE WITH THE CITY OF BEAVERTON'S REQUIREMENTS FOR SUCH TESTS.

STREET LIGHTS:

- 1. OPTION 'C' STREET LIGHTING WILL BE USED AS STATED IN SECTION 450.4 OR THE CITY OF BEAVERTON'S ENGINEERING DESIGN MANUAL. AN ELECTRICAL PERMIT FROM THE CITY BUILDING DIVISION IS REQUIRED PRIOR TO ANY INSTALLATION.
- ALL ELECTRICAL COMPONENTS SHALL BE UL APPROVED OR APPROVED EQUAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ARRANGMENTS WITH PGE FOR CONNECTING THE STREET LIGHTING SYSTEM TO THE LOCAL DISTRIBUTION SYSTEM.
- ANCHOR BASE POLES SHALL BE USED UNLESS OTHERWISE PRE-APPROVED (ON A CASE BY CASE BASIS) BY THE CITY OPERATIONS AND MAINTENANCE DIRECTOR. WOOD POLES SHALL NOT BE USED.
- A J-BOX SHALL BE LOCATED WITHIN 3 FEET OF EACH LIGHT POLE BASE (EXCEPTION: A CONTROLLER MAY SERVE AS A J-BOX FOR A LIGHT POLE BASE WITHIN TEN FEET PROXIMITY TO A CONTROLLER). CONDUIT BETWEEN LIGHT POLE BASE AND ADJOINING J-BOX SHALL BE MINIMUM 1 INCH DIAMETER CONDUIT BETWEEN J-BOXES AND CONDUIT TO POWER SOURCE, CONTROLLER, OR OTHER STRUCTURES SHALL BE MINIMUM 2-INCH DIAMETER J-NOXES SHALL BE BROOKS #36 OR EQUIVALENT AT ALL LIGHT POLE BASES: OTHER APPLICATIONS MAY REQUIRE LARGER BOXES.

TRAFFIC CONTROL:

- TRAFFIC CONTROL TO BE PERFORMED IN ACCORDANCE WITH THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES AND OREGON AMENDMENTS AS REQUIRED. THE CITY CAN REQUIRE ADDITIONAL TRAFFIC CONTROL MEASURES AS NEEDED TO PROVIDE FOR PUBLIC SAFETY.
- ON RESIDENTIAL LOCAL STREETS, THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL REQUIRED TRAFFIC CONTROL WHEN WORK IS BEING DONE IN THE RIGHT OF WAY.
- ALL EXISTING STREETS WITH A GREATER CLASSIFICATION THAN A RESIDENTIAL LOCAL STREET SHALL REQUIRE A TRAFFIC CONTROL PLAN PREPARED BY A PROFESSIONAL ENGINEER FOR BOTH CONSTRUCTION OPERATIONS AND AFTER-HOUR SITUATIONS.
- ALL TRAFFIC CONTROL MEASURES NEED TO BE SUBMITTED TO THE CITY OF BEAVERTON FOR REVIEW PRIOR TO CONSTRUCTION.

APPROVALS AND MODIFICATIONS:

ANY REVISION TO APPROVED PLANS MUST BE UNDER THE DIRECTION OF THE ENGINEER OF RECORD (OR COORDINATING DESIGN PROFESSIONAL). IT SHALL BE AT THE DISCRETION OF THE CITY'S PROJECT INSPECTOR AS TO WHETHER THE REVISION IS SIGNIFICANT ENOUGH TO WARRANT REVIEW BY THE CITY ENGINEERING PLAN REVIEW STAFF. IF SO, THE ENGINEER SHALL SUBMIT FIVE (5) COPIES OF THE PROPOSED REVISION; NO WORK AFFECTED BY THE REVISION SHALL BE DONE UNTIL APPROVED BY THE CITY SITE DEVELOPMENT ENGINEER. THE CITY INSPECTOR AND THE ENGINEER OF RECORD

CITY OF BEAVERTON GENERAL CONSTRUCTION NOTES

SAFETY AND WORKSITE CONDITIONS

- PROJECT SAFETY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTORS SHALL USE EVERY REASONABLE PRECAUTION TO SAFEGUARD THE PERSONS AND PROPERTY OF THE TRAVELING PUBLIC. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO FURNISH, PLACE, AND MAINTAIN THE BARRICADES, BARRIERS, LIGHTS, SIGNAGE, AND FLAGGERS NECESSARY TO PROTECT THE TRAVELING PUBLIC AND THEIR PROPERTY.
- CONTRACTORS SHALL ABIDE BY ALL OSHA AND OTHER APPLICABLE SAFETY REGULATIONS.
- ALL BARRICADES AND OBSTRUCTIONS SHALL BE PROTECTED AT NIGHT BY SIGNAL LIGHTS, WHICH SHALL BE SUITABLY DISTRIBUTED AND OPERATED FROM SUNSET TO SUNRISE.
- CONTRACTORS SHALL PROVIDE AND MAINTAIN SANITARY FACILITIES FOR EMPLOYEES IN ACCORDANCE WITH APPLICABLE REGULATIONS.
- THE CONTRACTOR SHALL CLEAN ALL SPILLED DIRT, GRAVEL, OR OTHER FOREIGN MATERIAL CAUSED BY CONSTRUCTION OPERATIONS FROM ALL STREETS AT THE END OF EACH DAY'S OPERATION. CONTRACTOR SHALL ADHERE TO ALL APPLICABLE EROSION CONTROL REQUIREMENTS.

PERMITS AND ROAD CLOSURES

- THE CONTRACTOR OR DEVELOPER SHALL OBTAIN THE APPROPRIATE UTILITY PERMIT(S) FROM THE CITY, STATE, OR COUNTY WITH JURISDICTION FOR THE STREETS OR ROADS
- WITHIN THE PROJECT WORK AREA PRIOR TO CONSTRUCTION OF SYSTEM IMPROVEMENTS. CONTRACTORS SHALL COMPLY WITH ALL RULES AND REGULATIONS OF THE APPLICABLE CITY, STATE, AND COUNTY AUTHORITIES REGARDING THE CLOSING OF PUBLIC STREETS OR HIGHWAYS TO USE OF PUBLIC TRAFFIC. NO ROAD SHALL BE CLOSED TO THE PUBLIC, EXCEPT BY EXPRESS PERMISSION OF THE AFFECTED REGULATING AUTHORITY.

VALVE OPERATION PROHIBITED

- OPERATION OF VALVES IN THE DISTRICT'S WATER SYSTEM BY ANYONE OTHER THAN DISTRICT EMPLOYEES IS STRICTLY PROHIBITED. CONTRACTORS SHALL NOT OPEN OR CLOSE VALVES. OR TAKE ANY OTHER ACTION THAT MAY AFFECT THE OPERATION OF THE EXISTING WATER SYSTEM. EXCEPT AS SPECIFICALLY REQUIRED BY THE PLANS AND SPECIFICATIONS, AND ONLY WITH PRIOR APPROVAL BY THE DISTRICT.
- THE CONTRACTOR SHALL NOTIFY THE DISTRICT AT LEAST 48 HOURS IN ADVANCE OF VALVE OPERATION AND/OR INTERRUPTION OF THE EXISTING SERVICE.

INTERRUPTION OF UTILITY SERVICE

- IN THE EVENT OF ACCIDENTAL INTERRUPTION OF DOMESTIC WATER, SEWER, STORM DRAIN, OR OTHER UTILITY SERVICES, THE RESPONSIBLE PARTY SHALL IMMEDIATELY NOTIFY THE DISTRICT INSPECTOR OR DISTRICT PROJECT ENGINEER.
- THE RESPONSIBLE PARTY SHALL ARRANGE FOR RESTORATION OF SERVICE AS PROMPTLY AS POSSIBLE AND BEAR ALL COSTS OF REPAIR. IN NO CASE SHALL INTERRUPTION OF ANY WATER OR UTILITY SERVICES BE ALLOWED OUTSIDE OF WORKING HOURS, UNLESS PRIOR APPROVAL IS GRANTED BY THE DISTRICT.

DAMAGE TO WATER SYSTEM DURING CONSTRUCTION

- THE DISTRICT SHALL BE NOTIFIED IMMEDIATELY IF ANY PART OF THE WATER SYSTEM IS DAMAGED IN ANY WAY.
- REPAIR OF ANY DAMAGE TO THE DISTRICT'S FACILITIES CAUSED BY A CONTRACTOR SHALL BE MADE TO THE DISTRICT'S STANDARDS AT THE CONTRACTOR'S EXPENSE. THE DISTRICT, AT ITS OPTION, MAY MAKE THE REPAIRS AND BILL THE CONTRACTOR ON A TIME AND MATERIALS BASIS.

RELOCATION OF EXISTING MAINS

ANY WATER LINE RELOCATION WORK THAT IS A REQUIREMENT OF THE DEVELOPMENT SHALL BE PERFORMED BY DISTRICT CREWS AT THE OWNER'S EXPENSE ON A TIME AND MATERIALS BASIS UNLESS OTHERWISE AUTHORIZED BY THE DISTRICT. A DEPOSIT FOR THE ESTIMATED COST OF THE WORK IS REQUIRED PRIOR TO COMMENCEMENT OF THE

WATER SERVICE INSTALLATION

 ALL INSTALLATION, RELOCATION, OR ABANDONMENT OF SERVICE LINES 2 INCHES IN DIAMETER AND SMALLER SHALL ONLY BE PERFORMED BY DISTRICT CREWS UNLESS OTHERWISE AUTHORIZED BY THE DISTRICT.

CONNECTIONS TO THE WATER SYSTEM

- CONNECTIONS TO EXISTING MAINS FOR NEW MAINS OR SERVICES LARGER THAN 2 INCHES IN DIAMETER SHALL BE WET-TAPPED BY A PRE-APPROVED TAPPING CONTRACTOR USING
- CONTRACTOR SHALL NOTIFY THE INSPECTOR AT LEAST 48 HOURS PRIOR TO BEGINNING INSTALLATION, RELOCATION, OR ABANDONMENT OF SERVICE LINES LARGER THAN 2 INCHES IN DIAMETER.

PRESERVATION OF LAND SURVEY MONUMENTS

THE CONTRACTOR SHALL PRESERVE ALL EXISTING SURVEY MONUMENTS IN AND AROUND THE WORK AREA. IF ANY SURVEY MONUMENT WILL BE DISTURBED BY CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR TO HIRE A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF OREGON TO CONDUCT A PRE-CONSTRUCTION SURVEY AND REPLACE THE AFFECTED MONUMENTS IN ACCORDANCE WITH STATE LAWS.

PRESERVATION/REPLACEMENT OF EXISTING STRUCTURES

1. CONTRACTOR SHALL PRESERVE, REPAIR, OR REPLACE ALL EXISTING STRUCTURES DAMAGED DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO STORM SEWERS, CATCH BASINS, AND CULVERTS.

SUBSTITUTION OF MATERIALS

- WHENEVER ANY MATERIAL, DEVICE, OR PROCESS IS SPECIFIED BY PROPRIETARY NAME, NAME OF MANUFACTURER, OR CATALOG NUMBER, SUCH SPECIFICATIONS SHALL ESTABLISH A STANDARD OF QUALITY.
- THE SPECIFICATIONS SHALL NOT PROHIBIT THE USE OF SUITABLE PRODUCTS BY OTHER MANUFACTURERS OF EQUAL OR BETTER QUALITY, AND SHALL BE ALLOWED BY THE WORDS "OR AS APPROVED" OR "APPROVED EQUAL."
- IN SUCH CASES, THE CONTRACTOR SHALL SUBMIT COMPLETE DATA TO THE DISTRICT ENGINEER FOR CONSIDERATION OF ANOTHER MATERIAL, DEVICE, OR PROCESS, WHICH SHALL BE SUBSTANTIALLY EQUAL IN EVERY RESPECT TO THAT SPECIFIED. THE DISTRICT
- ENGINEER WILL DETERMINE WHETHER A SUBSTITUTE MATERIAL IS ACCEPTABLE. SUBSTITUTE MATERIALS SHALL NOT BE USED UNLESS APPROVED BY THE DISTRICT ENGINEER IN WRITING.

TUALITIN VALLEY FIRE & RESCUE NOTES

FLUSHING OF PIPING:

- UNDERGROUND PIPING, FROM THE WATER SUPPLY TO THE SYSTEM RISER, AND LEAD-IN CONNECTIONS TO THE SYSTEM RISER, INCLUDING ALL HYDRANTS, SHALL BE COMPLETELY FLUSHED BEFORE THE CONNECTION IS MADE TO DOWNSTREAM FIRE PROTECTION SYSTEM PIPING.
- THE FLUSHING OPERATION SHALL BE CONTINUED UNTIL WATER FLOW IS VERIFIED TO BE CLEAR OF DEBRIS.
- THE MINIMUM RATE OF FLOW SHALL BE IN ACCORDANCE WITH TABLE 10.10.2.1.3 IN SECTION 10.10 OF NFPA STD 24.
- WHERE THE FLOW RATES ESTABLISHED IN TABLE 10.10.2.1.3 ARE NOT ATTAINABLE, THE MAXIMUM FLOW RATE AVAILABLE TO THE SYSTEM SHALL BE ACCEPTABLE.
- PROVISION SHALL BE MADE FOR THE PROPER DISPOSAL OF WATER USED FOR FLUSHING OR TESTING.

HYDROSTATIC TESTING:

- ALL PIPING AND ATTACHED APPURTENANCES SUBJECTED TO SYSTEM WORKING PRESSURE SHALL BE HYDROSTATICALLY TESTED AT GAUGE PRESSURE OF 200 PSI (13.8 BAR) OR 50 PSI (3.4 BAR) IN EXCESS OF THE SYSTEM WORKING PRESSURE, WHICHEVER IS GREATER, AND SHALL MAINTAIN THAT PRESSURE AT GAUGE PRESSURE OF ± 5 PSI (0.34 BAR) FOR 2 HOURS.
- ACCEPTABLE TEST RESULTS SHALL BE DETERMINED BY INDICATION OF EITHER A PRESSURE LOSS LESS THAN GAUGE PRESSURE OF 5 PSI OR BY NO VISUAL LEAKAGE.
- THE TEST PRESSURE SHALL BE READ FROM ONE OF THE FOLLOWING, LOCATED AT THE LOWEST ELEVATION OF THE SYSTEM OR THE PORTION OF THE SYSTEM
- A GAUGE LOCATED AT ONE END OF THE HYDRANT OUTLETS A GAUGE LOCATED AT THE LOWEST POINT WHERE NO HYDRANTS ARE
- PROVIDED. THE TRENCH SHALL BE BACKFILLED BETWEEN JOINTS BEFORE TESTING TO PREVENT MOVEMENT OF PIPE.
- WHERE REQUIRED FOR SAFETY MEASURES PRESENTED BY THE HAZARDS OF OPEN TRENCHES, THE PIPE AND JOINTS SHALL BE PERMITTED TO BE BACKFILLED, PROVIDED THE INSTALLING CONTRACTOR TAKES THE RESPONSIBILITY FOR LOCATING AND CORRECTING LEAKAGE.
- HYDROSTATIC TESTING ALLOWANCE. WHERE ADDITIONAL WATER IS ADDED TO THE SYSTEM TO MAINTAIN THE TEST PRESSURES REQUIRED BY 10.10.2.2.1, THE AMOUNT OF WATER SHALL BE MEASURED AND SHALL NOT EXCEED THE LIMITS OF TABLE 10.10.2.2.6 IN SECTION 10.10 OF NFPA STD 24.

OPERATING TEST:

- EACH HYDRANT SHALL BE FULLY OPENED AND CLOSED UNDER SYSTEM WATER PRESSURE.
- DRY BARREL HYDRANTS SHALL BE CHECKED FOR PROPER DRAINAGE.
- ALL CONTROL VALVES SHALL BE FULLY CLOSED AND OPENED UNDER SYSTEM WATER PRESSURE TO ENSURE PROPER OPERATION.
- WHERE FIRE PUMPS SUPPLY THE PRIVATE FIRE SERVICE MAIN, THE OPERATING TESTS REQUIRED SHALL BE COMPLETED WITH THE PUMPS RUNNING.

BACKFLOW PREVENTION ASSEMBLIES:

- THE BACKFLOW PREVENTION ASSEMBLY SHALL BE FORWARD FLOW TESTED TO ENSURE PROPER OPERATION.
- 2. THE MINIMUM FLOW RATE TESTED SHALL BE THE SYSTEM DEMAND, INCLUDING HOSE STREAM DEMAND WHERE APPLICABLE.

ABBREVIATIONS

CONC. COTG CP D/W DIA.,Ø DIP E EXIST./EX FDC FF FG FH G GB GV ID IE INV IRR. LP MH MIN	CLEANOUT CONCRETE CLEANOUT TO GRADE CONTROL POINT DELTA DRIVEWAY DIAMETER DUCTILE IRON PIPE EASTING EXISTING FIRE DEPARTMENT CONNECTION FINISH FLOOR ELEVATION FINISH GRADE FIRE HYDRANT GUTTER GRADE BREAK GATE VALVE INSIDE DIAMETER INVERT ELEVATION INVERT IRRIGATION LIGHT POLE MANHOLE MINIMUM NORTHING	PT P.U.E PVC RD R.O.W S SD SDMH SS SSMH ST STA STD S/W TC TD TG TP TW TYP UG UNO W W/ WM	POINT OF TANGENT PUBLIC UTILITY EASEMENT POLYVINYL CHLORIDE ROOF DRAIN RIGHT-OF-WAY SLOPE (FT/FT) STORM DRAIN STORM DRAIN MANHOLE SANITARY SEWER SANITARY SEWER MANHOLE STREET STATION STANDARD SIDEWALK TOP OF CURB TRENCH DRAIN TOP OF GROUND TOP OF PAVEMENT TOP OF WALL TOP OF WALL TOP OF WALK TYPICAL UNDERGROUND UNLESS NOTED OTHERWISE WATER WITH WATER METER
	NORTHING OUTSIDE DIAMETER	WM	WATER METER





XXXXX / XXXXXXXXX DEQ 1200-C PERMIT

SITE INFORMATION

BEAVERTON, OR 97005

TAX LOT 1S116AC02150

PRIVATE = 545,700 SF

PUBLIC = 134,450 SF

PRIVATE = 804,679 SF

PUBLIC = 125,500 SF

RELATED PERMITS

LAND USE APPROVALS

13000 SW FARMINGTON RD.

RANGE 1 WEST WILLAMETTE MERIDIAN

TOTAL PROJECT AREA: 24.7 ACRES

TOTAL DISTURBED AREA: 25.8 ACRES

EXISTING IMPERVIOUS AREA:

PROPOSED IMPERVIOUS AREA:

<u>SITE DEVELOPME</u>NT PERMIT PERMIT NO. SD2023-XXXX

PERMIT NO. B20223-XXXX

DEQ PERMIT NO. XXXXXX



Portland, OR 97204

O: 503.542.3860

F: 503.274.4681

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BEAVERTON HIGH SCHOOL REBUILD

13000 SW 2ND STREET BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT

Г 503-356-4500



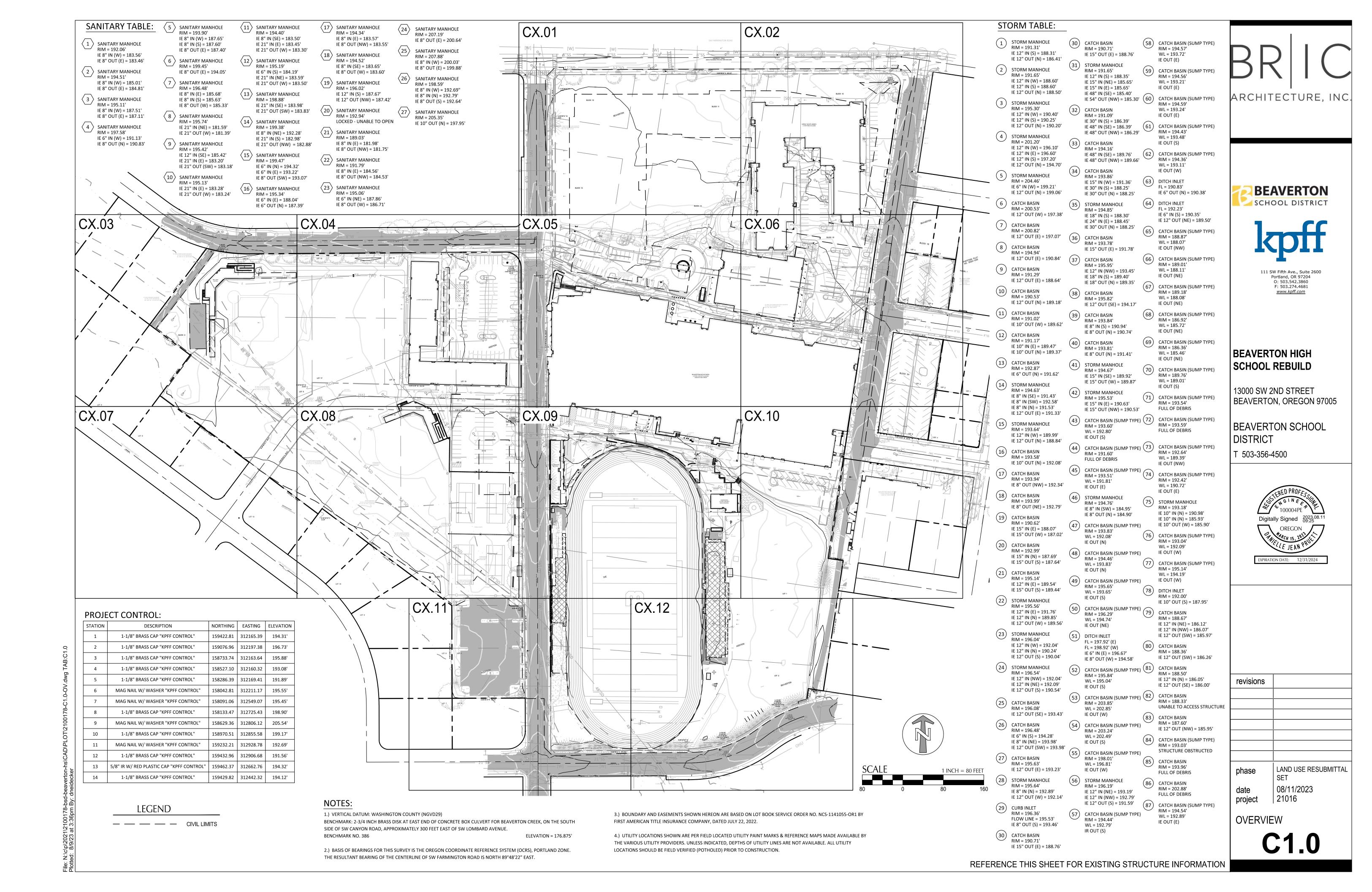
revisions

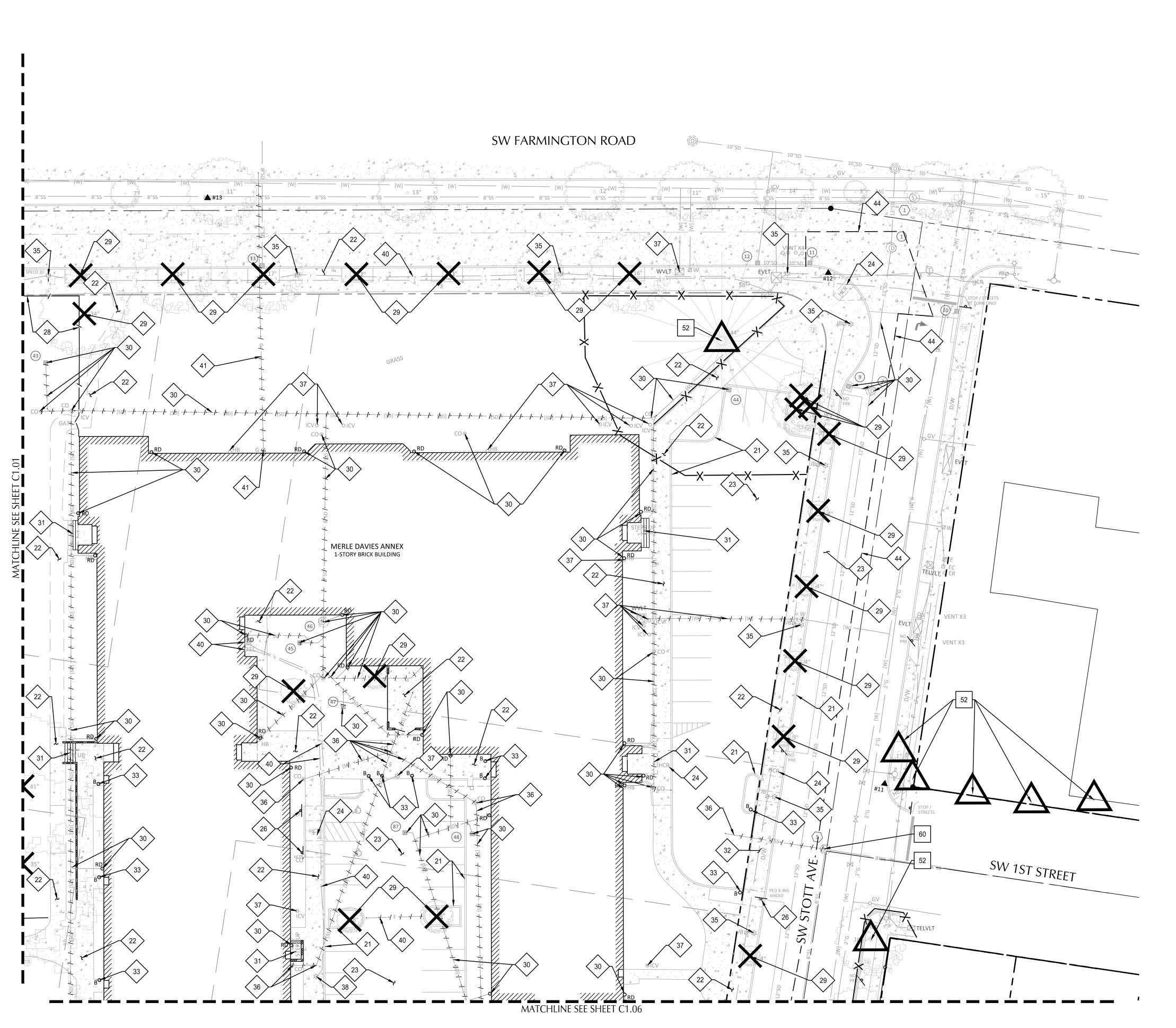
LAND USE RESUBMITTAL

SET 08/11/2023 21016 project

NOTES

phase





- CONTRACTOR MAY STAGE WITHIN LIMITS OF DEMOLITION.
- 2. REMOVE ALL SITE COMPONENTS AND RECYCLE COMPONENTS AS REQUIRED IN THE SPECIFICATIONS.
- GENERAL DEMOLITION PERMIT SHALL BE SECURED BY THE CONTRACTOR.
- 4. ALL TRADE LICENSES AND PERMITS NECESSARY FOR THE PROCUREMENT AND COMPLETION OF THE WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO COMMENCING DEMOLITION.
- 5. THE CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING RIGHT-OF-WAY SURVEY MONUMENTATION DURING DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT BY A LICENSED SURVEYOR OF ANY DAMAGED OR REMOVED MONUMENTS.
- 6. PROTECT ALL ITEMS ON ADJACENT PROPERTIES AND IN THE RIGHT OF WAY INCLUDING BUT NOT LIMITED TO SIGNAL EQUIPMENT, PARKING METERS, SIDEWALKS, STREET TREES, STREET LIGHTS, CURBS, PAVEMENT AND SIGNS. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY DAMAGED ITEMS TO ORIGINAL CONDITION.
- PROTECT STRUCTURES, UTILITIES, SIDEWALKS, AND OTHER FACILITIES IMMEDIATELY ADJACENT TO EXCAVATIONS FROM DAMAGES CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS.
- S. SAWCUT STRAIGHT LINES IN SIDEWALK, AS NECESSARY.
- 9. CONTRACTOR IS RESPONSIBLE TO CONTROL DUST AND MUD DURING THE DEMOLITION PERIOD, AND DURING TRANSPORTATION OF DEMOLITION DEBRIS. ALL STREET SURFACES OUTSIDE THE CONSTRUCTION ZONE MUST BE KEPT CLEAN.
- 10. THE CONTACTOR SHALL SEAL THE OPEN ENDS OF ALL PIPES, FITTINGS, ETC. THAT ARE TO BE ABANDONED WITH AN END CAP, COUPLING,OR A CONCRETE PLUG WITH A THICKNESS EQUAL TO THE DIAMETER OF THE PIPE. THE PUBLIC WORKS DEPARTMENT REQUIRES THAT ALL ABANDONED PIPING BE SEVERED AS CLOSE TO ACTIVE PIPING AS PRACTICAL.

X DEMOLITION KEY NOTES

- 20 SAWCUT LINE
- 21 REMOVE CONCRETE CURB
- 22 REMOVE CONCRETE SIDEWALK23 REMOVE PAVEMENT
- 24 REMOVE CONCRETE ADA RAMP
- 25 REMOVE ADA PARKING STRIPING/SYMBOL
- 26 REMOVE SIGN
- 27 REMOVE TRASH ENCLOSURE AND CONCRETE PAD28 REMOVE FENCE
- 20 REMOVE TERE
- 29 REMOVE TREE SEE LANDSCAPE PLANS
- 30 REMOVE STORM UTILITY/TRENCH DRAIN/ROOF DRAIN
 31 REMOVE CONCRETE STAIRS
- 32 REMOVE CONCRETE DRIVEWAY
- 33 REMOVE BOLLARD
- 34 DISCONNECT AND REMOVE COBRA HEAD ARM MOUNTED STREET LIGHT
- 35 DISCONNECT AND REMOVE ACORN ORNAMENTAL STREET LIGHT
 36 REMOVE SANITARY LINE/CLEANOLIT
- 36 REMOVE SANITARY LINE/CLEANOUT
- 37 REMOVE FIRE/WATER/IRRIGATION STRUCTURE/LINE
- 38 REMOVE LIGHT FIXTURE
- 39 REMOVE CONCRETE WALL40 REMOVE ELECTRICAL BOX/LINE
- 41 REMOVE GAS LINE/METER/VALVE
- 42 REMOVE WHEEL STOP
- 43 REMOVE GATE
- 44 PUBLIC WORK SAWCUT. SEE PUBLIC SHEETS.
- 45 REMOVE BIKE RACK

PROTECTION KEY NOTES

- .50 PROTECT UNDERGROUND UTILITIES
- 51 PROTECT CURB AND SIDEWALK
- 52 PROTECT TREE SEE LANDSCAPE PLANS53 PROTECT CATCH BASIN
- 54 PROTECT LIGHT
- 55 PROTECT MONUMENTATION
- 56 PROTECT EXISTING LIDA STRUCTURE
- 57 PROTECT EXISTING STADIUM
- 58 PROTECT EXISTING CONC. STAIRS/RAMP
- 59 PROTECT EXISTING WALL
- 60 PROTECT EXISTING STRUCTURE
- 61 PROTECT OR SALVAGE & REUSE EXISTING PAVERS
- 62 PROTECT TRACK
 63 PROTECT PAVEMENT

SHEET LEGEND

PROPERTY LINE

| | DEMOLITION/WORK LIMITS (SHOWN OFFSET)

__ __ _ _ _ _ _ SAWCUT LINE

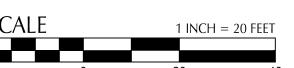
· / /· /· /· /· /· /· /· /· · · REMOVE OR ABANDON UTILITY LINE IN PLACE

REMOVE TREE

FOR CLARITY)

EXISTING GRADE CONTOUR
PROTECT TREE





TREE PROTECTION FENCE







111 SW Fifth Ave., Suite 2600 Portland, OR 97204 O: 503.542.3860 F: 503.274.4681

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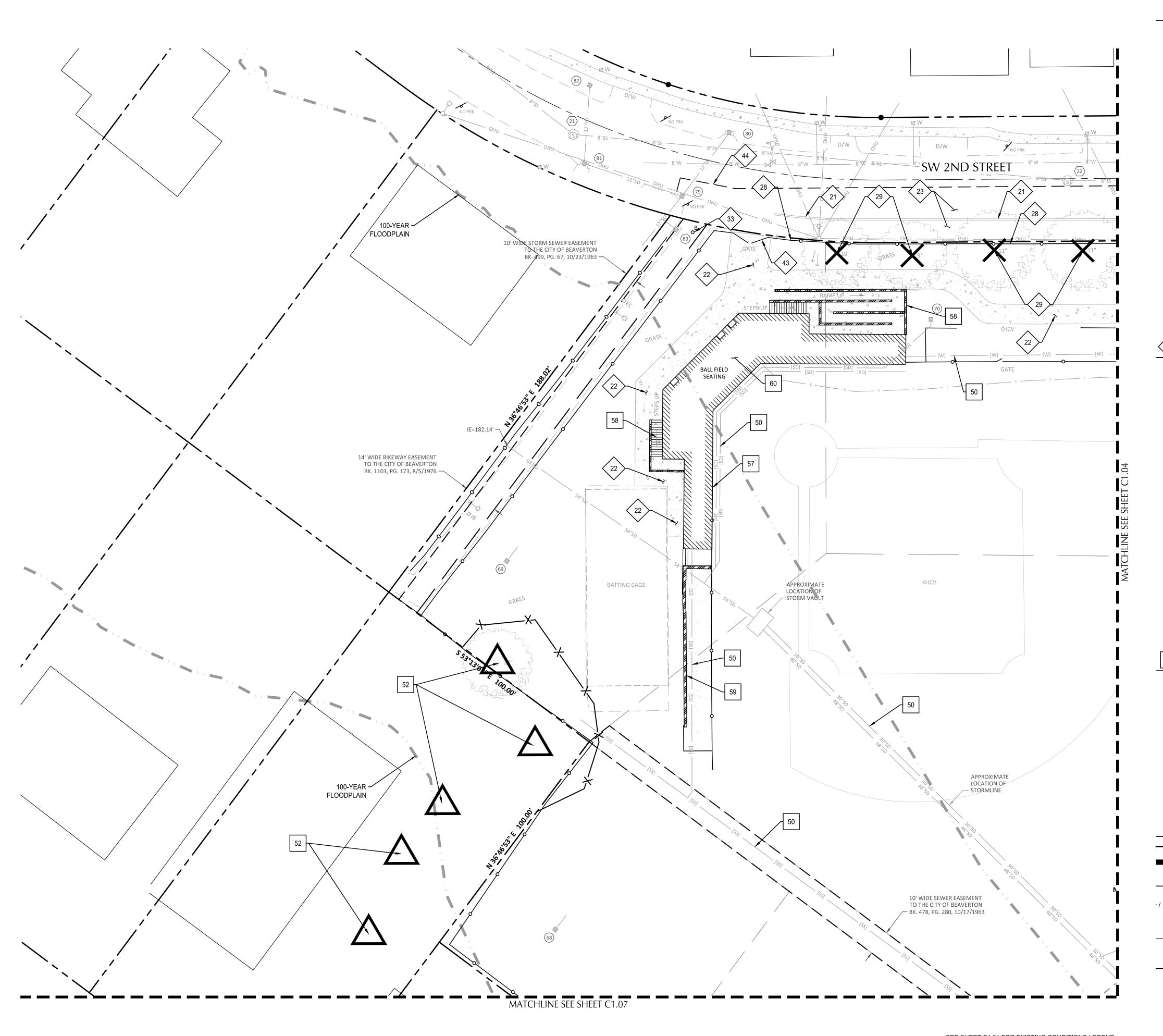


revisions

phase LAND USE RESUBMITTAL SET

date | 08/11/2023 project | 21016

DEMO PLAN



- CONTRACTOR MAY STAGE WITHIN LIMITS OF DEMOLITION.
- REMOVE ALL SITE COMPONENTS AND RECYCLE COMPONENTS AS REQUIRED IN THE SPECIFICATIONS.
- GENERAL DEMOLITION PERMIT SHALL BE SECURED BY THE
 - CONTRACTOR. ALL TRADE LICENSES AND PERMITS NECESSARY FOR THE PROCUREMENT AND COMPLETION OF THE WORK SHALL BE SECURED

BY THE CONTRACTOR PRIOR TO COMMENCING DEMOLITION.

- THE CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING RIGHT-OF-WAY SURVEY MONUMENTATION DURING DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT BY A LICENSED SURVEYOR OF ANY DAMAGED OR REMOVED MONUMENTS.
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DEMOLITION KEY NOTES

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- 21 REMOVE CONCRETE CURB
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- 24 REMOVE CONCRETE ADA RAMP
- 25 REMOVE ADA PARKING STRIPING/SYMBOL
- 26 REMOVE SIGN
- 27 REMOVE TRASH ENCLOSURE AND CONCRETE PAD 28 REMOVE FENCE
- 29 REMOVE TREE SEE LANDSCAPE PLANS 30 REMOVE STORM UTILITY/TRENCH DRAIN/ROOF DRAIN
- 31 REMOVE CONCRETE STAIRS
- 32 REMOVE CONCRETE DRIVEWAY
- 33 REMOVE BOLLARD
- 34 DISCONNECT AND REMOVE COBRA HEAD ARM MOUNTED STREET LIGHT 35 DISCONNECT AND REMOVE ACORN ORNAMENTAL STREET LIGHT
- 36 REMOVE SANITARY LINE/CLEANOUT
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- 38 REMOVE LIGHT FIXTURE
- 39 REMOVE CONCRETE WALL
- 40 REMOVE ELECTRICAL BOX/LINE 41 REMOVE GAS LINE/METER/VALVE
- 42 REMOVE WHEEL STOP
- 43 REMOVE GATE
- 44 PUBLIC WORK SAWCUT. SEE PUBLIC SHEETS.
- 45 REMOVE BIKE RACK

PROTECTION KEY NOTES

- 50 PROTECT UNDERGROUND UTILITIES
- 51 PROTECT CURB AND SIDEWALK
- 52 PROTECT TREE SEE LANDSCAPE PLANS 53 PROTECT CATCH BASIN
- 54 PROTECT LIGHT 55 PROTECT MONUMENTATION
- 56 PROTECT EXISTING LIDA STRUCTURE
- 57 PROTECT EXISTING STADIUM
- 58 PROTECT EXISTING CONC. STAIRS/RAMP
- 59 PROTECT EXISTING WALL

60 PROTECT EXISTING STRUCTURE

- 61 PROTECT OR SALVAGE & REUSE EXISTING PAVERS
- 62 PROTECT TRACK

63 PROTECT PAVEMENT SHEET LEGEND

— — PROPERTY LINE

DEMOLITION/WORK LIMITS (SHOWN OFFSET FOR CLARITY)

— — — — SAWCUT LINE

REMOVE OR ABANDON UTILITY LINE IN ·/ /· /· /· /· /· /· /· /· · REMOVE TREE

> EXISTING GRADE CONTOUR PROTECT TREE TREE PROTECTION FENCE



1 INCH = 20 FEET







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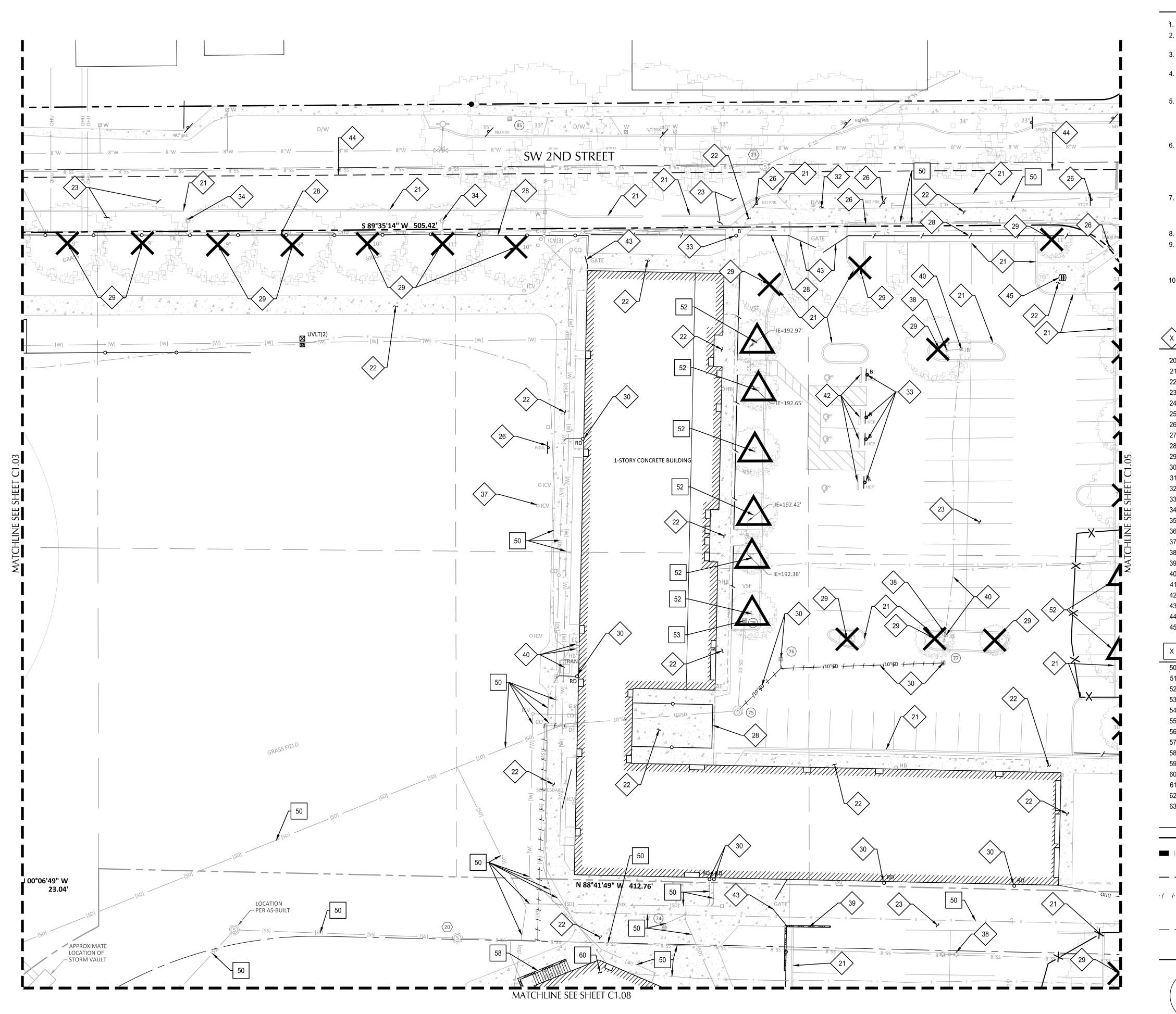
revisions

LAND USE RESUBMITTAL phase SET

08/11/2023 21016 project

DEMO PLAN

SEE SHEET C1.01 FOR EXISTING CONDITIONS LEGEND



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- 25 REMOVE ADA PARKING STRIPING/SYMBOL
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- 53 PROTECT CATCH BASIN
- 54 PROTECT LIGHT
- 55 PROTECT MONUMENTATION56 PROTECT EXISTING LIDA STRUCTURE
- 57 PROTECT EXISTING STADIUM
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63 PROTECT PAVEMENT SHEET LEGEND

PROPERTY LINE

| | DEMOLITION/WORK LIMITS (SHOWN OFFSET FOR CLARITY)

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REMOVE OR ABANDON UTILITY LINE IN PLACE

REMOVE TREE

EXISTING GRADE CONTOUR

PROTECT TREE

TREE PROTECTION FENCE











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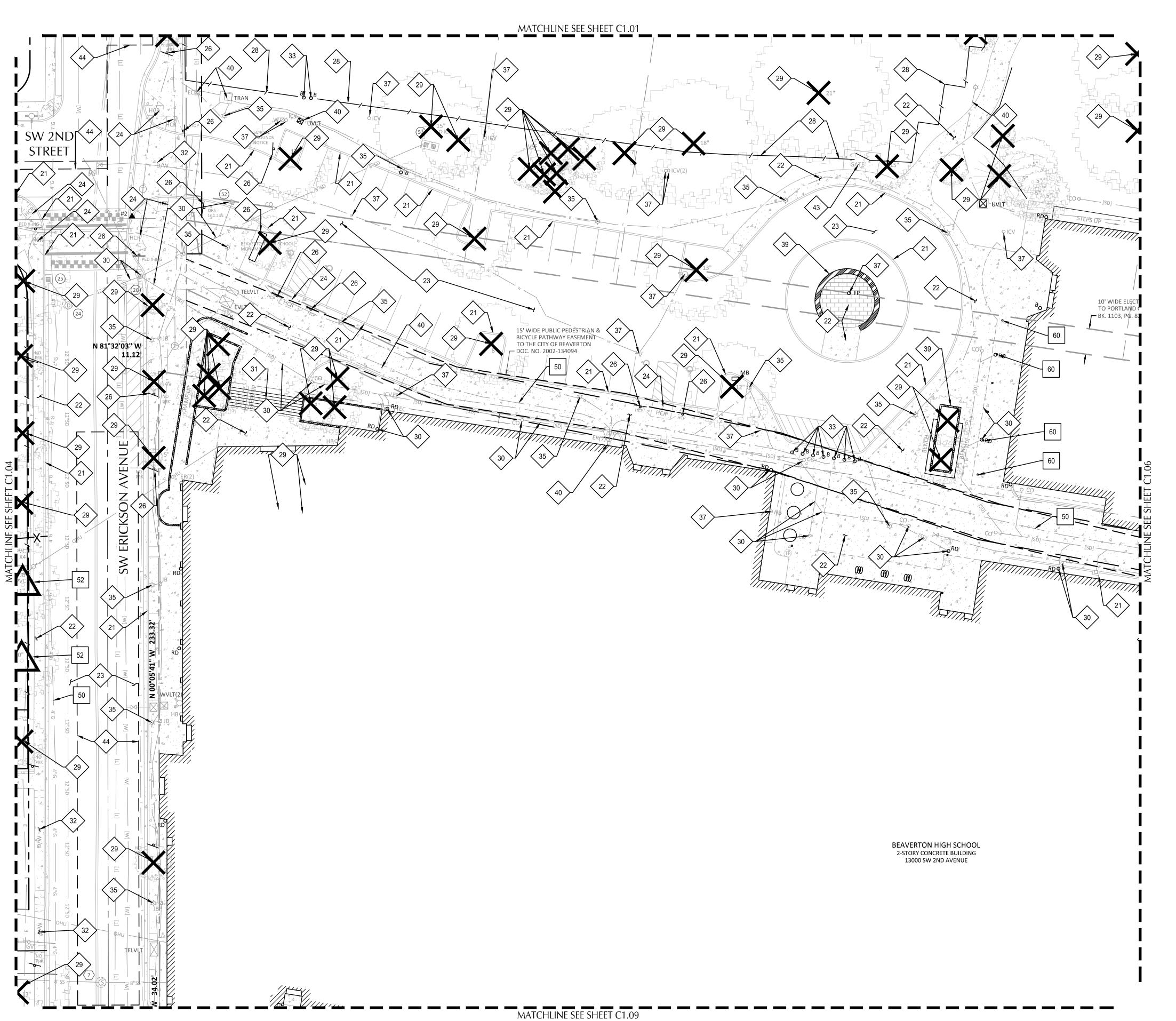
phase LAND USE RESUBMITTAL SET
date 08/11/2023

21016

DEMO PLAN

project

C1.04



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- 51 PROTECT CURB AND SIDEWALK
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- 53 PROTECT CATCH BASIN54 PROTECT LIGHT
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- 63 PROTECT PAVEMENT

SHEET LEGEND

PROPERTY LINE

DEMOLITION/WORK LIMITS (SHOWN OFFSET FOR CLARITY)

— — — — SAWCUT LINE

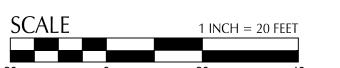
REMOVE OR ABANDON UTILITY LINE IN PLACE

REMOVE TREE

EXISTING GRADE CONTOUR

PROTECT TREE





TREE PROTECTION FENCE







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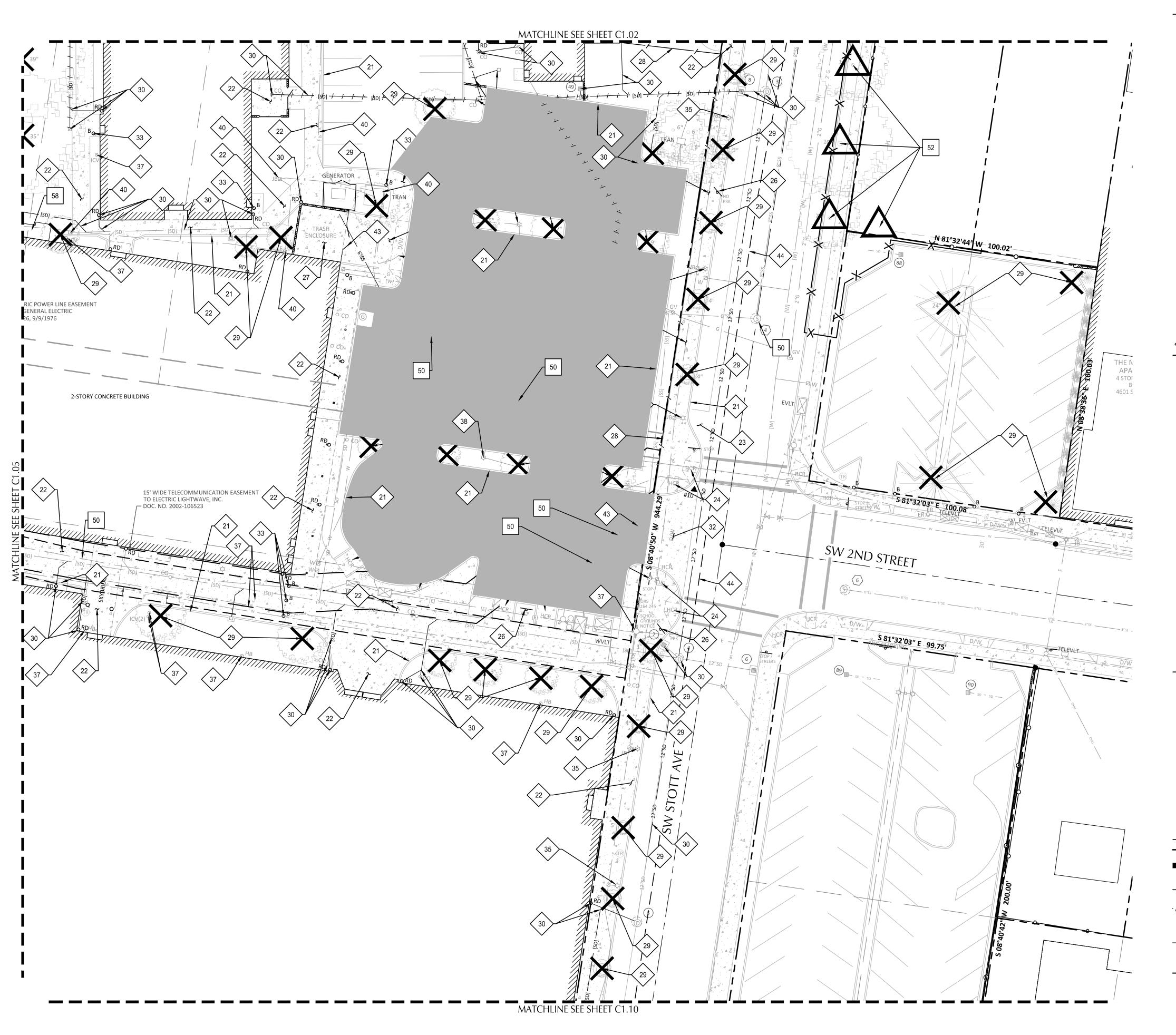
revisions

phase LAND USE RESUBMITTAL SET

08/11/2023

project | 21016 DEMO PLAN

C1.05



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- 39 REMOVE CONCRETE WALL40 REMOVE ELECTRICAL BOX/LINE
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- 62 PROTECT TRACK
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SHEET LEGEND

PROPERTY LINE

DEMOLITION/WORK LIMITS (SHOWN OFFSET FOR CLARITY)

— — — — SAWCUT LINE

REMOVE OR ABANDON UTILITY LINE IN PLACE

REMOVE TREE

EXISTING GRADE CONTOUR

PROTECT TREE

SEE SHEET C1.01 FOR EXISTING CONDITIONS LEGEND

TREE PROTECTION FENCE









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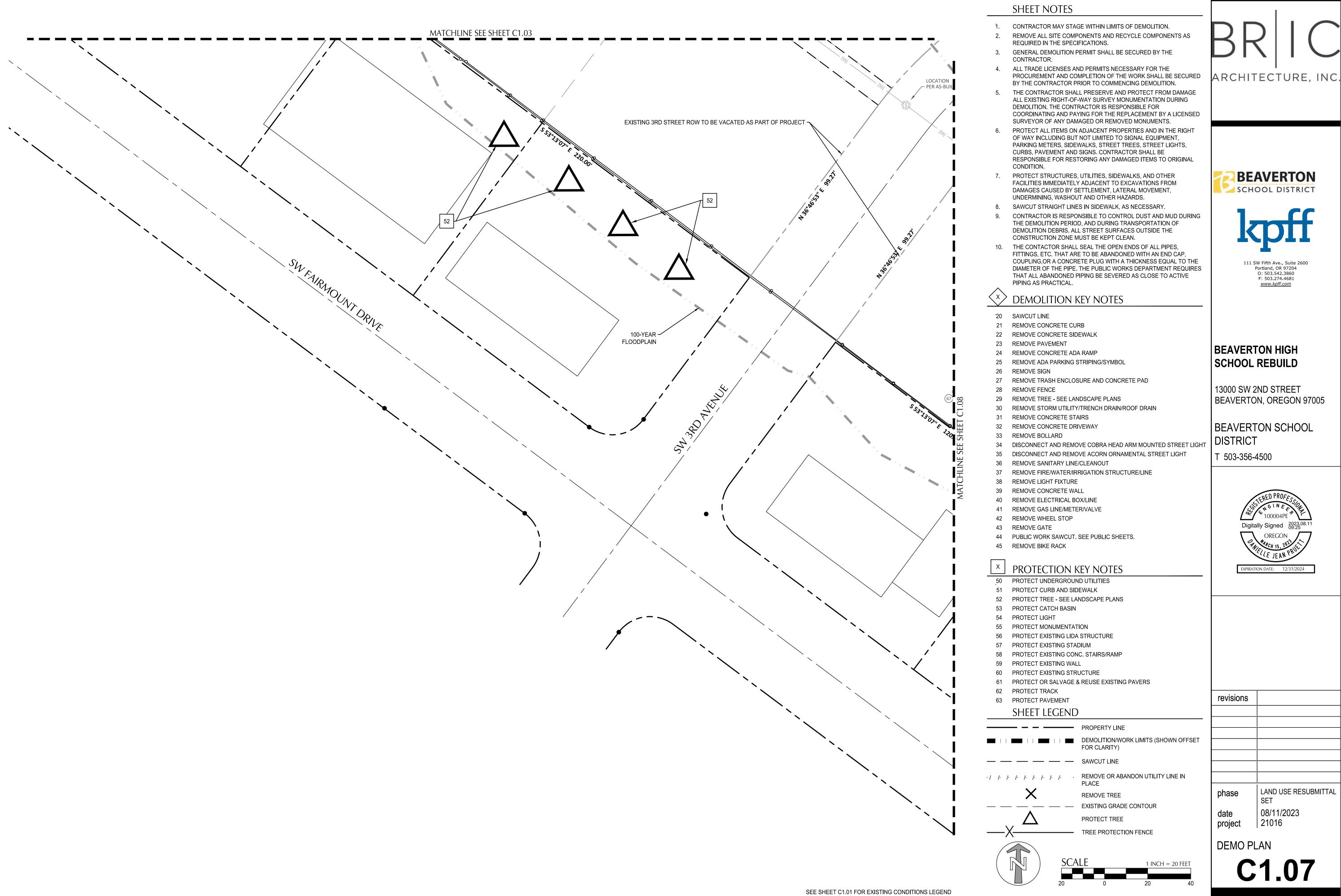
revisions

phase LAND USE RESUBMITTAL SET

date 08/11/2023 project 21016

DEMO PLAN

C1.06





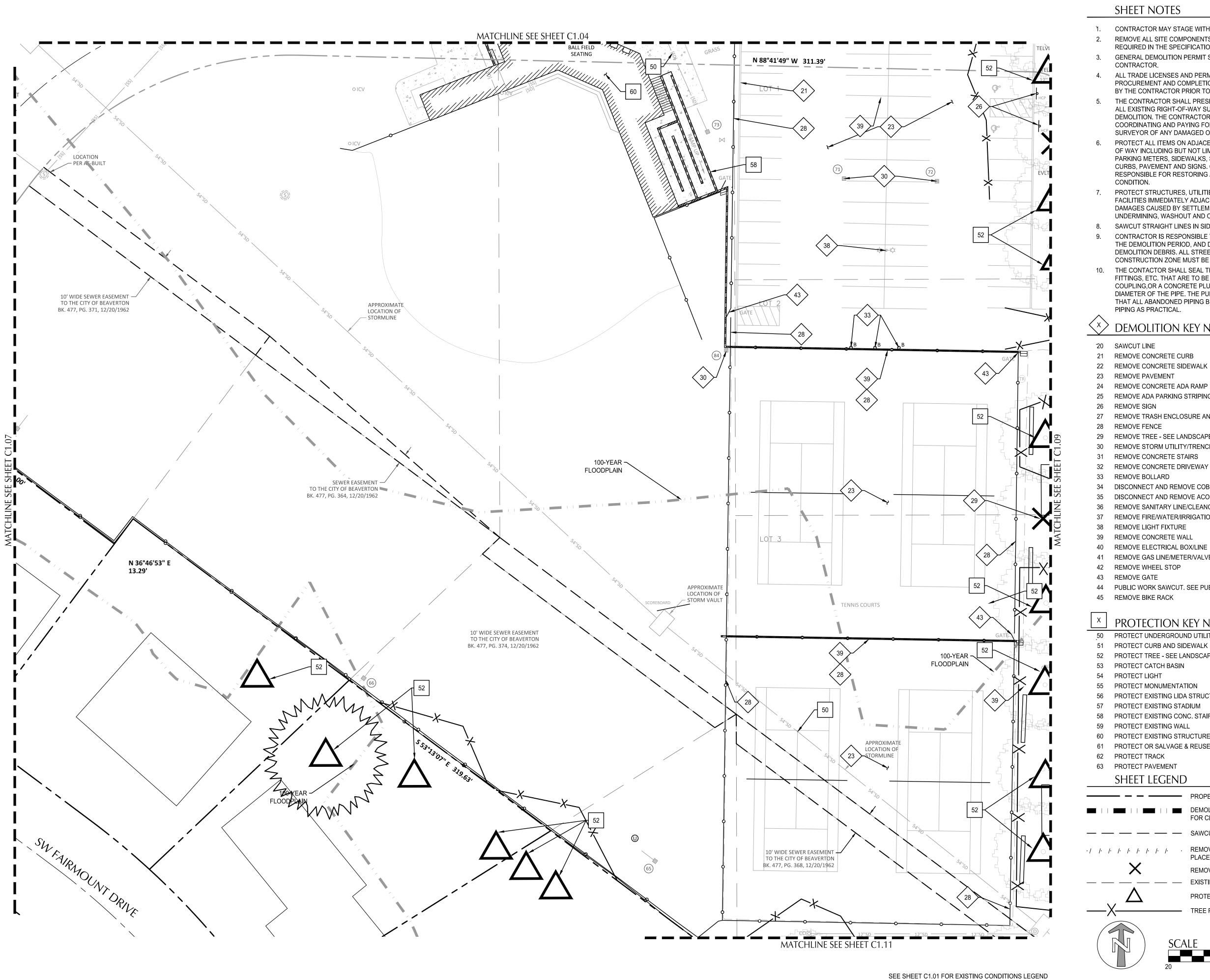


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LAND USE RESUBMITTAL



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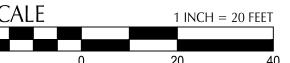
SHEET LEGEND

DEMOLITION/WORK LIMITS (SHOWN OFFSET FOR CLARITY)

— — — — SAWCUT LINE REMOVE OR ABANDON UTILITY LINE IN ·/ /· /· /· /· /· /· /· /· REMOVE TREE

EXISTING GRADE CONTOUR PROTECT TREE TREE PROTECTION FENCE











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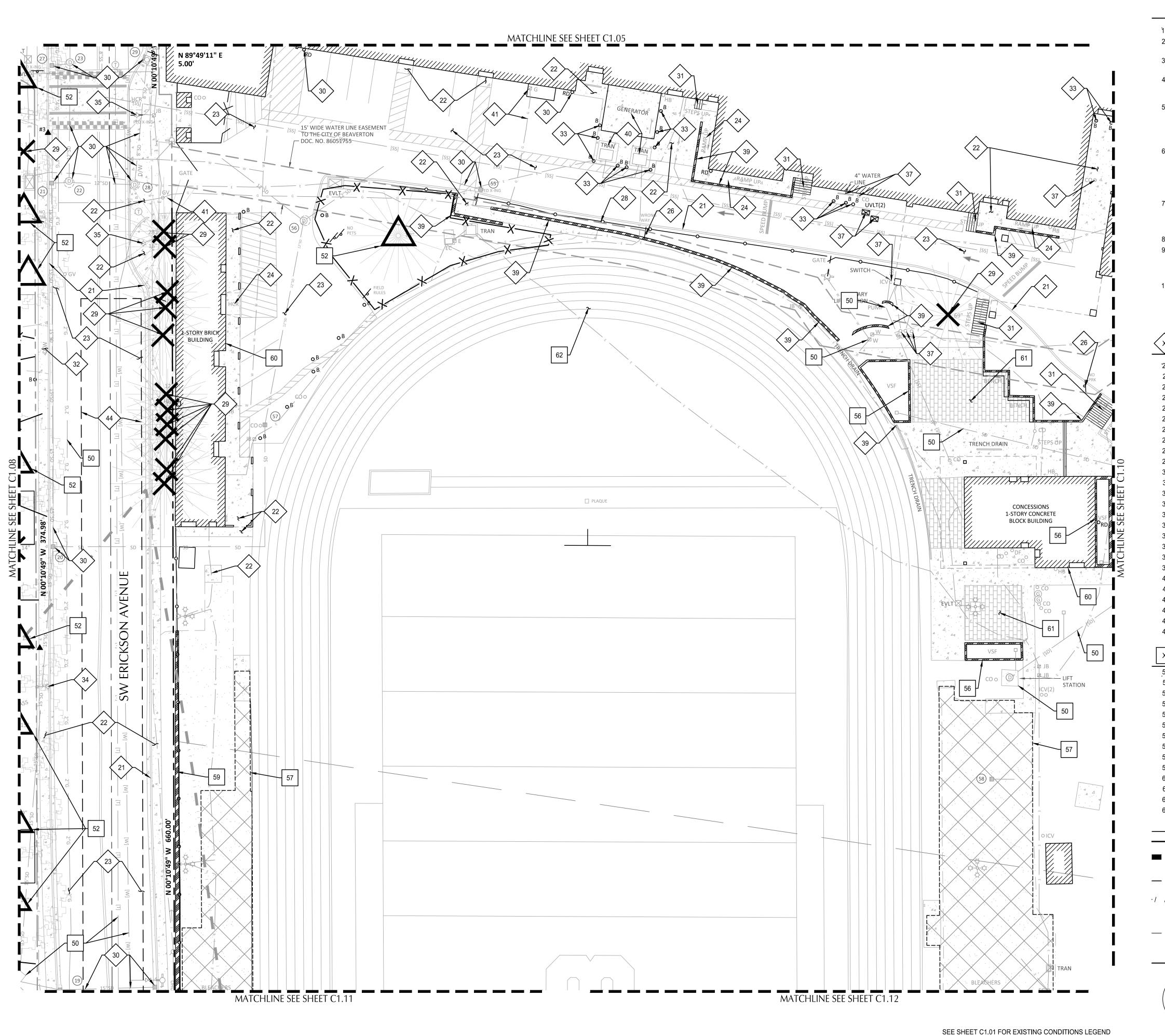
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revisions

LAND USE RESUBMITTAL phase SET 08/11/2023

21016 project DEMO PLAN



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- 42 REMOVE WHEEL STOP
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- 44 PUBLIC WORK SAWCUT. SEE PUBLIC SHEETS.
- 45 REMOVE BIKE RACK

PROTECTION KEY NOTES

- 50 PROTECT UNDERGROUND UTILITIES
- 51 PROTECT CURB AND SIDEWALK 52 PROTECT TREE - SEE LANDSCAPE PLANS
- 53 PROTECT CATCH BASIN
- 54 PROTECT LIGHT
- 55 PROTECT MONUMENTATION
- 56 PROTECT EXISTING LIDA STRUCTURE 57 PROTECT EXISTING STADIUM
- 58 PROTECT EXISTING CONC. STAIRS/RAMP
- 59 PROTECT EXISTING WALL
- 60 PROTECT EXISTING STRUCTURE 61 PROTECT OR SALVAGE & REUSE EXISTING PAVERS
- 62 PROTECT TRACK
- 63 PROTECT PAVEMENT

SHEET LEGEND

— — — — SAWCUT LINE

DEMOLITION/WORK LIMITS (SHOWN OFFSET FOR CLARITY)

REMOVE OR ABANDON UTILITY LINE IN ·/ /· /· /· /· /· /· /· · REMOVE TREE

EXISTING GRADE CONTOUR PROTECT TREE TREE PROTECTION FENCE



1 INCH = 20 FEET







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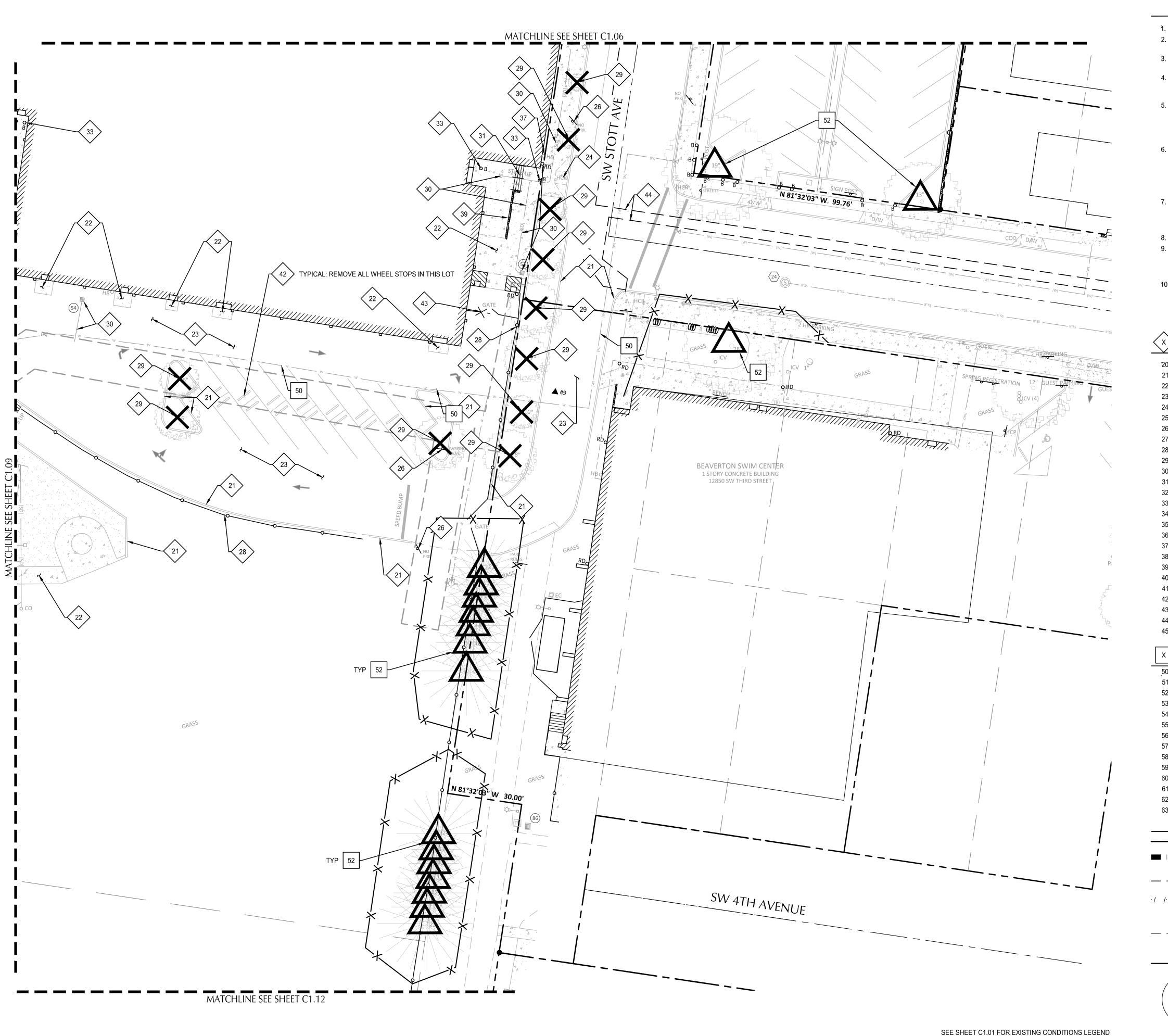


revisions

LAND USE RESUBMITTAL

phase SET 08/11/2023 21016 project

DEMO PLAN



- CONTRACTOR MAY STAGE WITHIN LIMITS OF DEMOLITION.
- REMOVE ALL SITE COMPONENTS AND RECYCLE COMPONENTS AS REQUIRED IN THE SPECIFICATIONS.
- GENERAL DEMOLITION PERMIT SHALL BE SECURED BY THE CONTRACTOR.
- ALL TRADE LICENSES AND PERMITS NECESSARY FOR THE PROCUREMENT AND COMPLETION OF THE WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO COMMENCING DEMOLITION.
- THE CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING RIGHT-OF-WAY SURVEY MONUMENTATION DURING DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT BY A LICENSED SURVEYOR OF ANY DAMAGED OR REMOVED MONUMENTS.
- PROTECT ALL ITEMS ON ADJACENT PROPERTIES AND IN THE RIGHT OF WAY INCLUDING BUT NOT LIMITED TO SIGNAL EQUIPMENT, PARKING METERS, SIDEWALKS, STREET TREES, STREET LIGHTS, CURBS, PAVEMENT AND SIGNS. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY DAMAGED ITEMS TO ORIGINAL
- PROTECT STRUCTURES, UTILITIES, SIDEWALKS, AND OTHER FACILITIES IMMEDIATELY ADJACENT TO EXCAVATIONS FROM DAMAGES CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS.
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DEMOLITION KEY NOTES

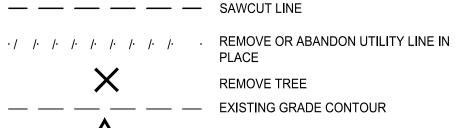
- '20 SAWCUT LINE
- 21 REMOVE CONCRETE CURB 22 REMOVE CONCRETE SIDEWALK
- 23 REMOVE PAVEMENT
- 24 REMOVE CONCRETE ADA RAMP
- 25 REMOVE ADA PARKING STRIPING/SYMBOL
- 26 REMOVE SIGN 27 REMOVE TRASH ENCLOSURE AND CONCRETE PAD
- 28 REMOVE FENCE
- 29 REMOVE TREE SEE LANDSCAPE PLANS
- 30 REMOVE STORM UTILITY/TRENCH DRAIN/ROOF DRAIN
- 31 REMOVE CONCRETE STAIRS
- 32 REMOVE CONCRETE DRIVEWAY
- 33 REMOVE BOLLARD
- 34 DISCONNECT AND REMOVE COBRA HEAD ARM MOUNTED STREET LIGHT
- 35 DISCONNECT AND REMOVE ACORN ORNAMENTAL STREET LIGHT 36 REMOVE SANITARY LINE/CLEANOUT
- 37 REMOVE FIRE/WATER/IRRIGATION STRUCTURE/LINE 38 REMOVE LIGHT FIXTURE
- 39 REMOVE CONCRETE WALL
- 40 REMOVE ELECTRICAL BOX/LINE
- 41 REMOVE GAS LINE/METER/VALVE
- 42 REMOVE WHEEL STOP
- 43 REMOVE GATE
- 44 PUBLIC WORK SAWCUT. SEE PUBLIC SHEETS.
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PROTECTION KEY NOTES

- 50 PROTECT UNDERGROUND UTILITIES
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SHEET LEGEND

DEMOLITION/WORK LIMITS (SHOWN OFFSET FOR CLARITY)



REMOVE TREE

PROTECT TREE TREE PROTECTION FENCE



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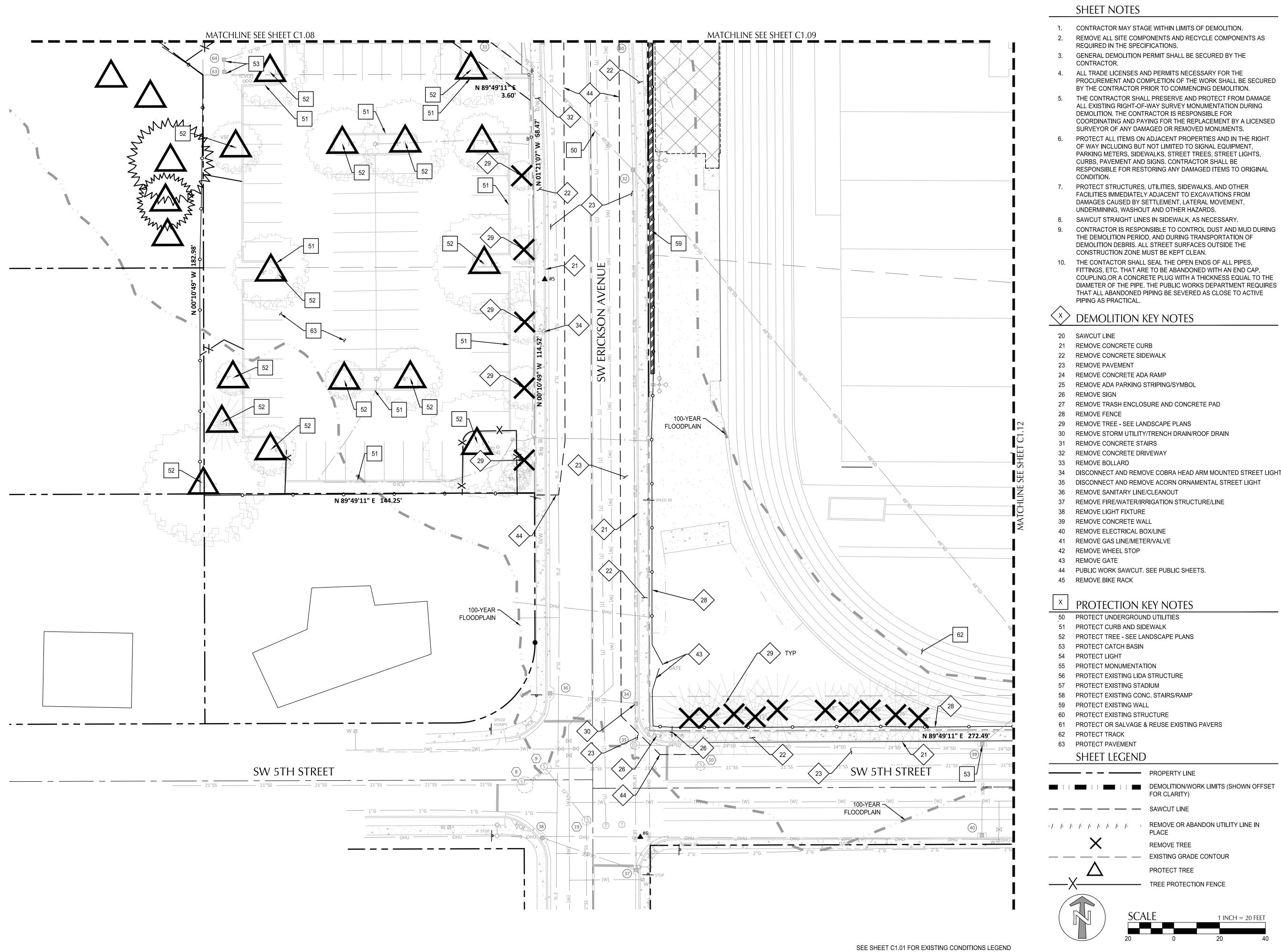


revisions

LAND USE RESUBMITTAL phase SET

08/11/2023 21016 project

DEMO PLAN



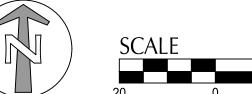
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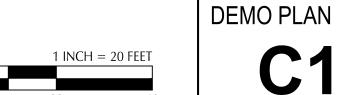
- 35 DISCONNECT AND REMOVE ACORN ORNAMENTAL STREET LIGHT
- 37 REMOVE FIRE/WATER/IRRIGATION STRUCTURE/LINE
- 44 PUBLIC WORK SAWCUT. SEE PUBLIC SHEETS.

DEMOLITION/WORK LIMITS (SHOWN OFFSET FOR CLARITY)

REMOVE OR ABANDON UTILITY LINE IN

EXISTING GRADE CONTOUR PROTECT TREE TREE PROTECTION FENCE





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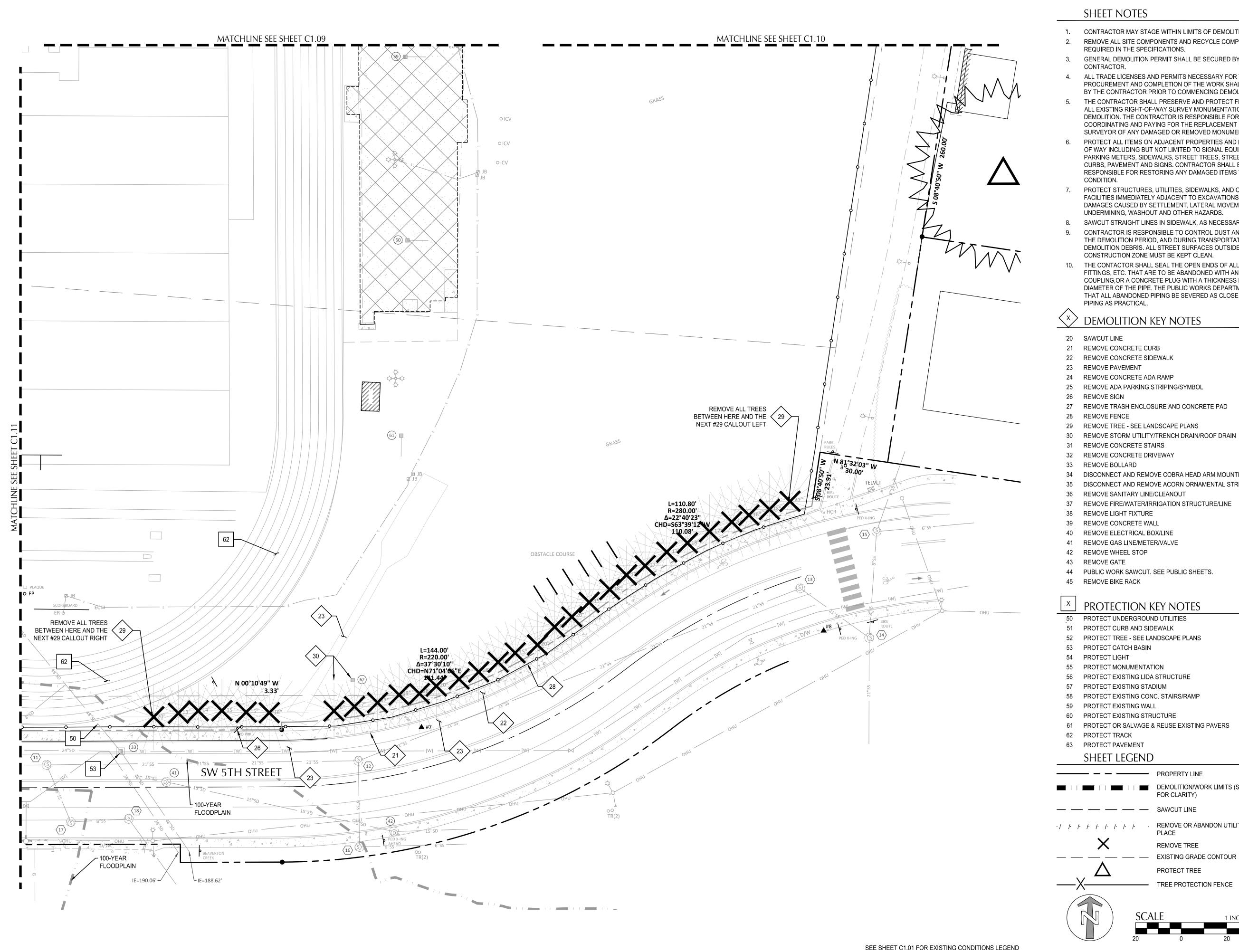


LAND USE RESUBMITTAL

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DEMOLITION KEY NOTES

- 24 REMOVE CONCRETE ADA RAMP
- 25 REMOVE ADA PARKING STRIPING/SYMBOL
- 29 REMOVE TREE SEE LANDSCAPE PLANS

- 34 DISCONNECT AND REMOVE COBRA HEAD ARM MOUNTED STREET LIGHT
- 35 DISCONNECT AND REMOVE ACORN ORNAMENTAL STREET LIGHT
- 36 REMOVE SANITARY LINE/CLEANOUT
- 37 REMOVE FIRE/WATER/IRRIGATION STRUCTURE/LINE
- 39 REMOVE CONCRETE WALL
- 41 REMOVE GAS LINE/METER/VALVE
- 44 PUBLIC WORK SAWCUT. SEE PUBLIC SHEETS.

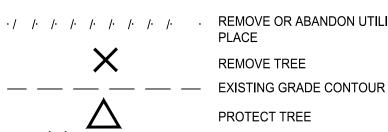
PROTECTION KEY NOTES

- 50 PROTECT UNDERGROUND UTILITIES
- 51 PROTECT CURB AND SIDEWALK

- 56 PROTECT EXISTING LIDA STRUCTURE

- 60 PROTECT EXISTING STRUCTURE
- 61 PROTECT OR SALVAGE & REUSE EXISTING PAVERS

- - PROPERTY LINE FOR CLARITY) — — — — SAWCUT LINE



REMOVE OR ABANDON UTILITY LINE IN

PROTECT TREE TREE PROTECTION FENCE



DEMO PLAN

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SCHOOL DISTRICT

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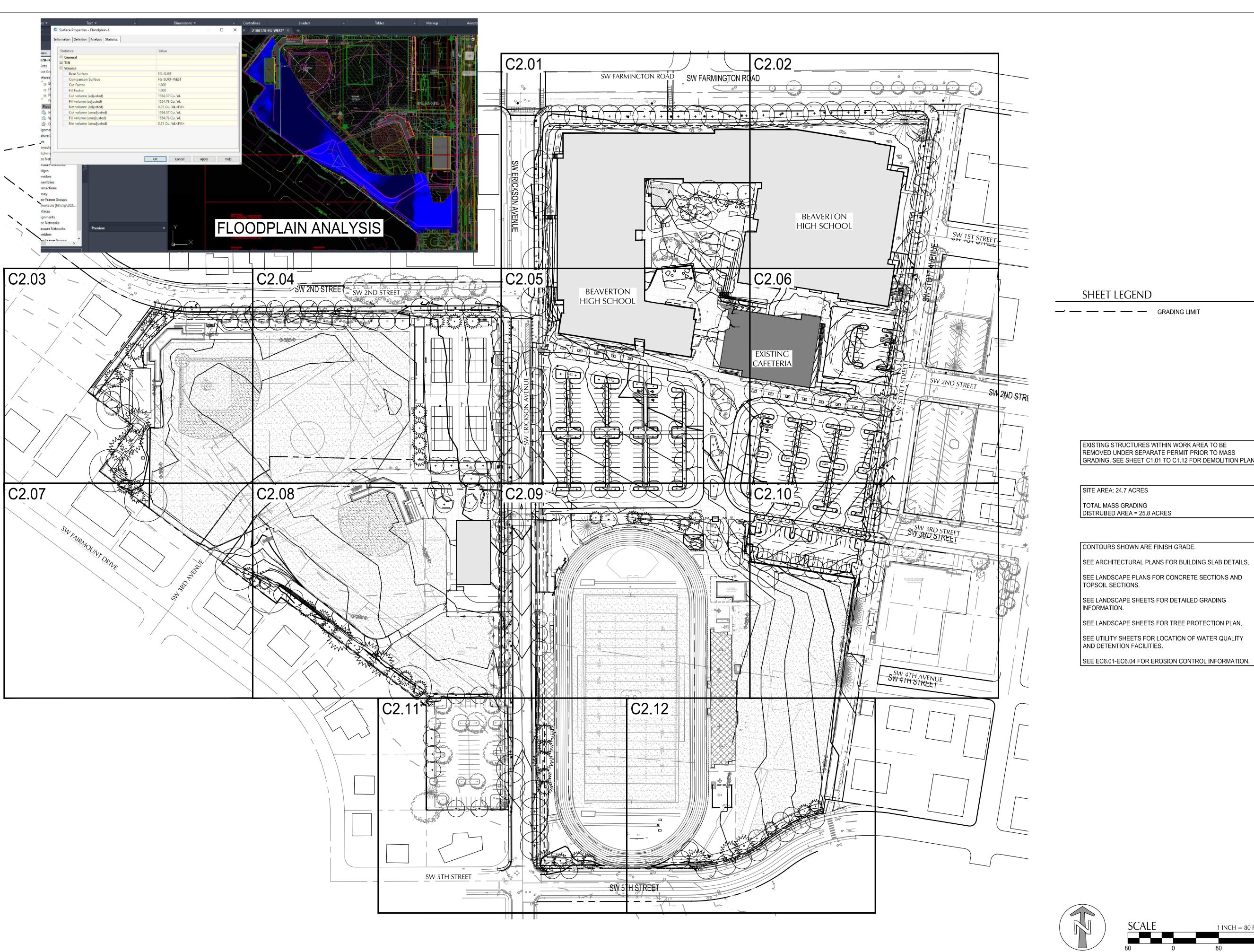
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LAND USE RESUBMITTAL phase SET

08/11/2023 21016 project









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GRADING. SEE SHEET C1.01 TO C1.12 FOR DEMOLITION PLAN

SEE LANDSCAPE SHEETS FOR DETAILED GRADING

SEE LANDSCAPE SHEETS FOR TREE PROTECTION PLAN.

SITE AREA: 24.7 ACRES

TOTAL MASS GRADING

DISTRUBED AREA = 25.8 ACRES



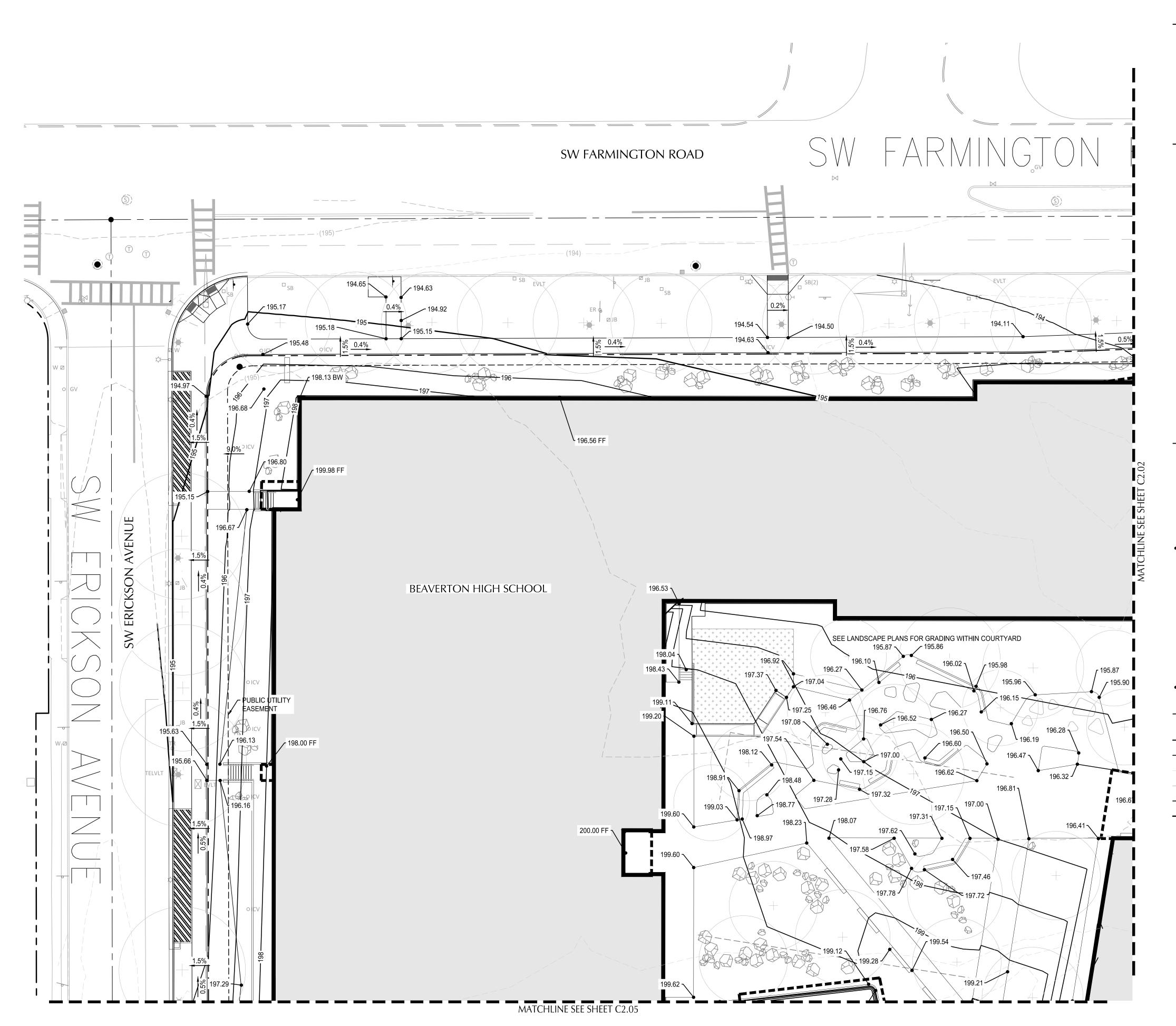
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LAND USE RESUBMITTAL phase 08/11/2023 21016 project

GRADING OVERVIEW







- 1. SLOPES PROVIDED ON SLOPE ARROW ARE FOR REFERENCE ONLY.
- 2. LANDINGS ON ACCESSIBLE ROUTES SHALL NOT EXCEED 2% IN ANY DIRECTION.
- ALL ACCESSIBLE ROUTES SHALL COMPLY WITH CURRENT ADA ACCESSIBILITY GUIDELINES FOR BUILDING AND FACILITIES (ADAAG).



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× KEY NOTES

- LANDING AT EX. DOOR. TYPICAL GRADING SHALL BE: TOP OF CONCRETE OUTSIDE DOOR = FFE MINUS 0.02-FT, SLOPE CONCRETE 1.5% AWAY FROM BLDG. (SPOT ELEVATIONS MAY NOT BE CORRECT, NOTIFY ENGINEER OF DISCREPANCIES)
- LANDING ZONE, ACCESSIBLE ROUTE THROUGH THIS ZONE REQUIRES NO MORE THAT 2% SLOPE IN ANY DIRECTION.
- WALKWAY SLOPES DOWN FROM LANDING ZONE AS REQUIRED TO MATCH EX. GRADE. SLOPE SHALL NOT EXCEED 5%.
- WALKWAY REPLACEMENTS SHALL: - BE REINSTALLED IN EXISTING LOCATIONS, UNLESS NOTED

PER ARCH DETAILS.

<u>CALLOUT</u>

[X.X%]

XX.XX XX

/ (XXX.X±)

- MAINTAIN 1.5% TYPICAL CROSS-SLOPE TO ALLOW DRAINAGE - RUNNING SLOPE SHALL NOT EXCEED 4.5% UNLESS NOTED
- WALKWAY RAMP ZONE. RISE >6" AND SLOPES >5% REQUIRES
- HANDRAILS BOTHS SIDES PER ARCH DETAILS. INSTALL ALUMINUM RAMP, STAIRS, AND LANDING IF SHOWN. RAMP SHALL NOT EXCEED 7.5% AND SHALL BE A MINIMUM OF 4' IN WIDTH
- INSTALL CONCRETE RAMP, STAIRS, AND LANDING IF SHOWN. RAMP SHALL NOT EXCEED 7.5% AND SHALL BE A MINIMUM OF 5' IN WIDTH WITH HANDRAILS PER ARCH.

GRADING LABEL LEGEND

DESCRIPTION

- SPOT ELEVATION

SLOPE ORIENTATION INDICATING DIRECTION OF

MAXIMUM GRADE (DOWNHILL)

- DESCRIPTION LISTED BELOW. NO DESCRIPTION MEANS TP OR TG

> BACK OF WALK BOTTOM OF STEP **BOTTOM OF WALL** EXISTING GRADE

FINISHED FLOOR

RIM OF STRUCTURE TOP OF CURB

EXISTING GRADE (MATCH WHERE APPLICABLE)

TOP OF GROUND TOP OF PAVEMENT

TOP OF STEP TOP WALL

HIGH POINT LOW POINT

BEAVERTON HIGH

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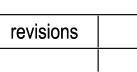
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SHEET	LEGEND

•	DRAINAGE FLOW DIRECTION
	GRADE BREAK
	SAWCUT LINE
49	EX. CONTOUR MINOR
50	EX. CONTOUR MAJOR
49	CONTOUR MINOR (FG)
-50	CONTOUR MAJOR (FG)



LAND USE RESUBMITTAL phase SET 08/11/2023

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GRADING PLAN

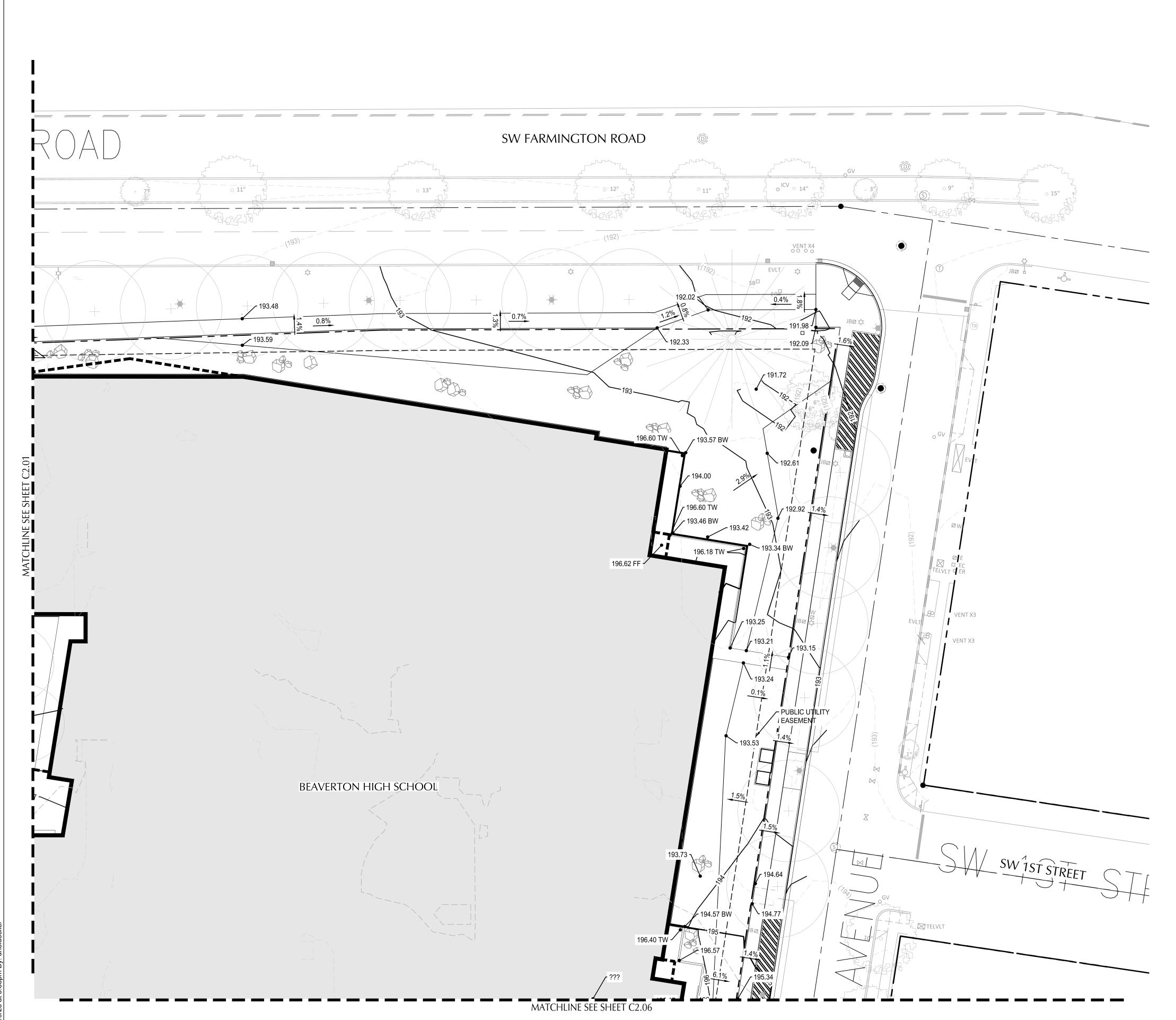
project

1 INCH = 20 FEET









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- 3. ALL ACCESSIBLE ROUTES SHALL COMPLY WITH CURRENT ADA ACCESSIBILITY GUIDELINES FOR BUILDING AND FACILITIES (ADAAG).



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- WALKWAY RAMP ZONE. RISE >6" AND SLOPES >5% REQUIRES HANDRAILS BOTHS SIDES PER ARCH DETAILS.
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GRADING LABEL LEGEND

<u>CALLOUT</u>	DESCRIPTION
[X.X%]	SLOPE ORIENTATION INDICATING DIRECTION O MAXIMUM GRADE (DOWNHILL)
xx.xx xx	 SPOT ELEVATION DESCRIPTION LISTED BELOW. NO DESCRIPTION MEANS TP OR TG
BOW BS BW EG FF G HP LP RIM TC TG TG TP TS TW	BACK OF WALK BOTTOM OF STEP BOTTOM OF WALL EXISTING GRADE FINISHED FLOOR GUTTER HIGH POINT LOW POINT RIM OF STRUCTURE TOP OF CURB TOP OF GROUND TOP OF PAVEMENT TOP OF STEP TOP WALL

EXISTING GRADE (MATCH WHERE APPLICABLE)

SHEET LEGEND

•	DRAINAGE FLOW DIRECTION
	GRADE BREAK
	SAWCUT LINE
	EX. CONTOUR MINOR
	EX. CONTOUR MAJOR
49	CONTOUR MINOR (FG)
50	CONTOUR MAJOR (FG)

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SCHOOL REBUILD

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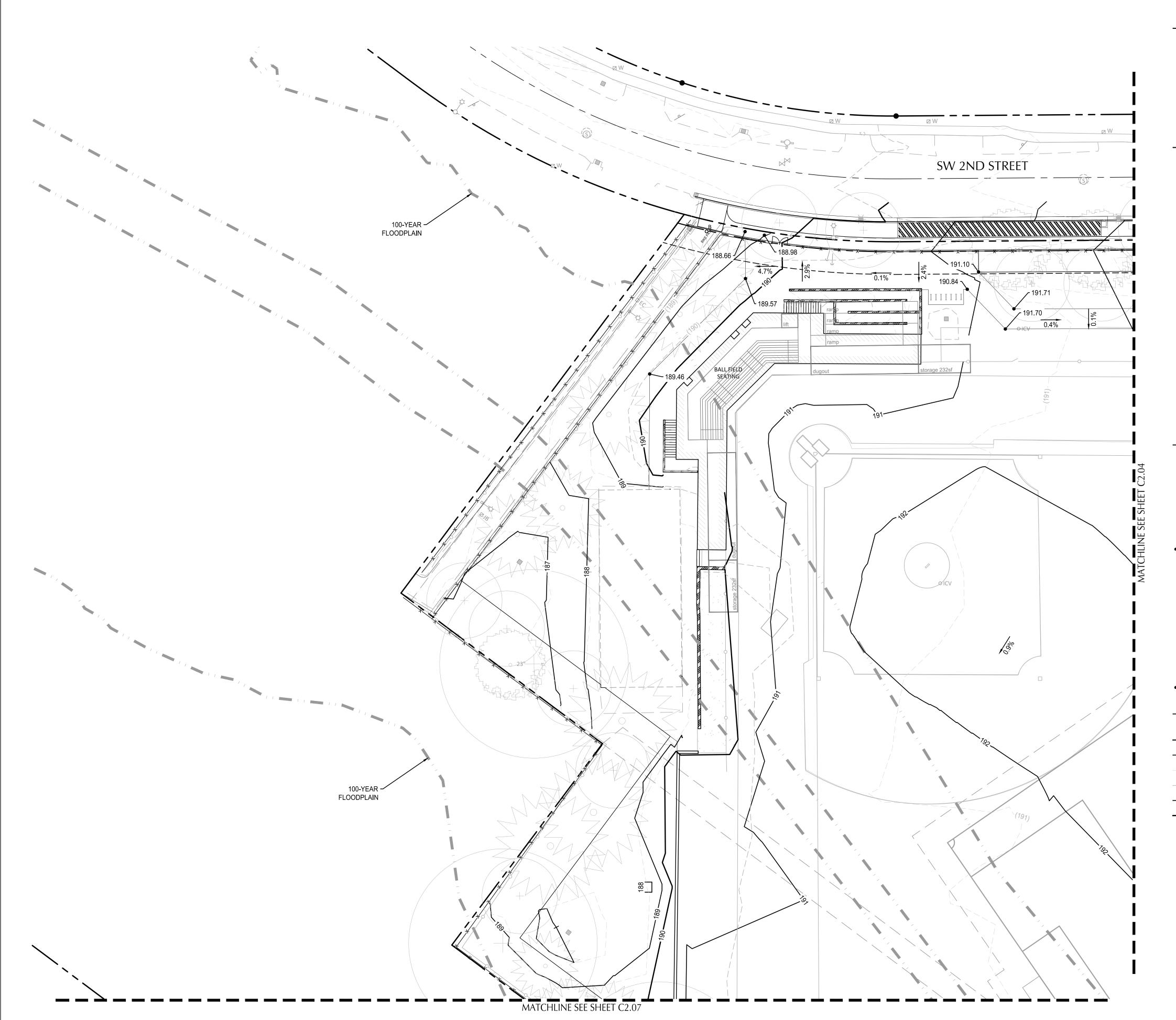
LAND USE RESUBMITTAL phase SET

08/11/2023 21016 project

GRADING PLAN







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ARCHITECTURE, INC.

BEAVERTON

SCHOOL DISTRICT

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CALLOUT	DESCRIPTION
[X.X%]	SLOPE ORIENTATION INDICATING DIRECTION OF MAXIMUM GRADE (DOWNHILL)
XX.XX XX	SPOT ELEVATIONDESCRIPTION LISTED BELOW.NO DESCRIPTION MEANS TP OR TG
BOW BS BW EG	BACK OF WALK BOTTOM OF STEP BOTTOM OF WALL EXISTING GRADE

EXISTING GRADE FINISHED FLOOR HIGH POINT LOW POINT RIM OF STRUCTURE TOP OF CURB TOP OF GROUND TOP OF PAVEMENT TOP OF STEP TOP WALL

EXISTING GRADE (MATCH WHERE APPLICABLE)

SHEET LEGEND

DRAINAGE FLOW DIRECTION **——————** GRADE BREAK EX. CONTOUR MINOR EX. CONTOUR MAJOR CONTOUR MINOR (FG)

CONTOUR MAJOR (FG)



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GRADING PLAN

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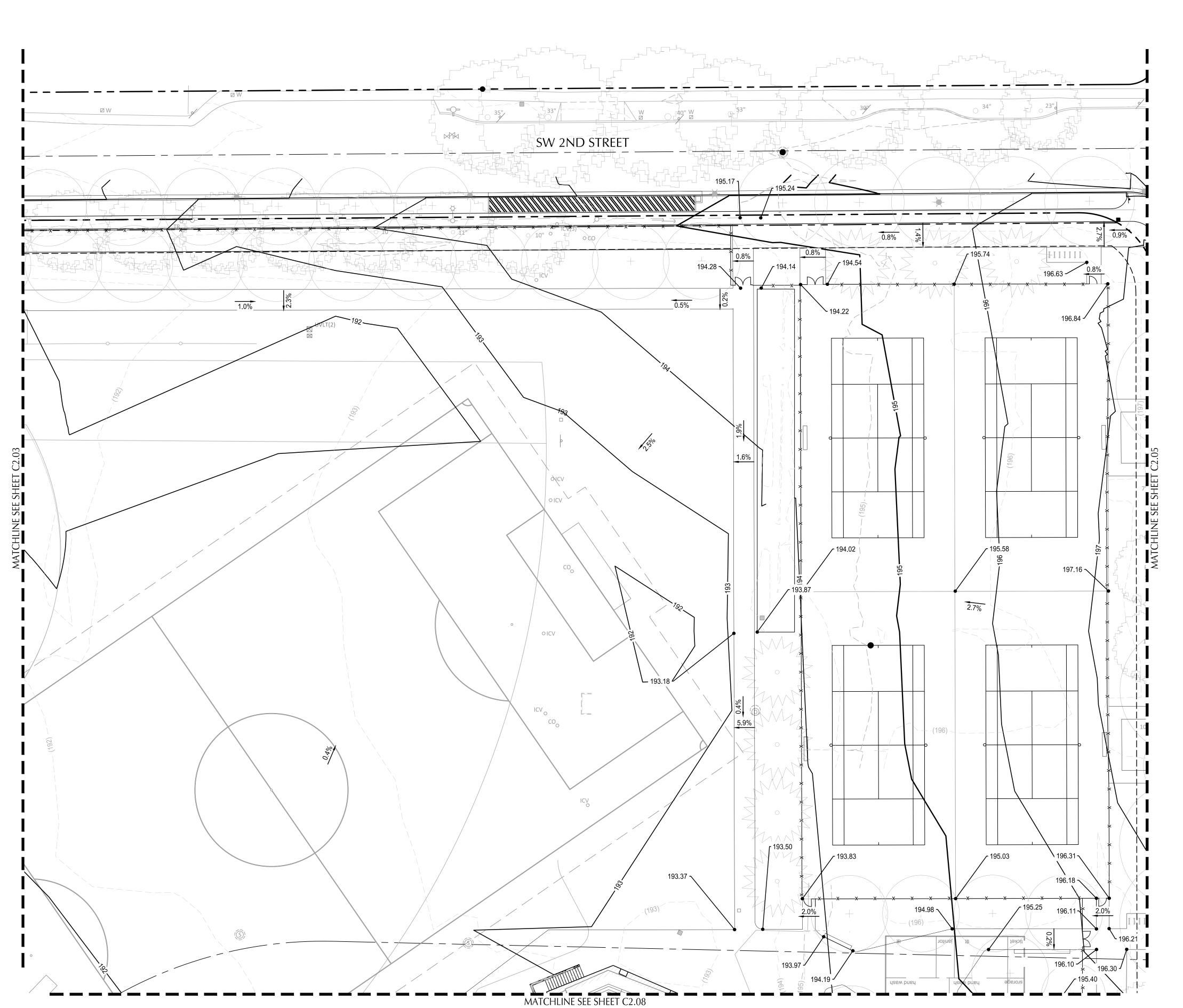
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GRADING LABEL LEGEND

<u>CALLOUT</u> DESCRIPTION [X.X%] SLOPE ORIENTATION INDICATING DIRECTION OF MAXIMUM GRADE (DOWNHILL) - SPOT ELEVATION - DESCRIPTION LISTED BELOW. NO DESCRIPTION MEANS TP OR TG

XX.XX XX BACK OF WALK BOTTOM OF STEP **BOTTOM OF WALL** EXISTING GRADE FINISHED FLOOR HIGH POINT LOW POINT RIM OF STRUCTURE TOP OF CURB TOP OF GROUND TOP OF PAVEMENT TOP OF STEP TOP WALL

EXISTING GRADE (MATCH WHERE APPLICABLE)

SHEET LEGEND

DRAINAGE FLOW DIRECTION **—————** GRADE BREAK EX. CONTOUR MINOR EX. CONTOUR MAJOR CONTOUR MINOR (FG) CONTOUR MAJOR (FG)

BEAVERTON HIGH SCHOOL REBUILD

13000 SW 2ND STREET BEAVERTON, OREGON 97005

BEAVERTON SCHOOL **DISTRICT**

T 503-356-4500



revisions

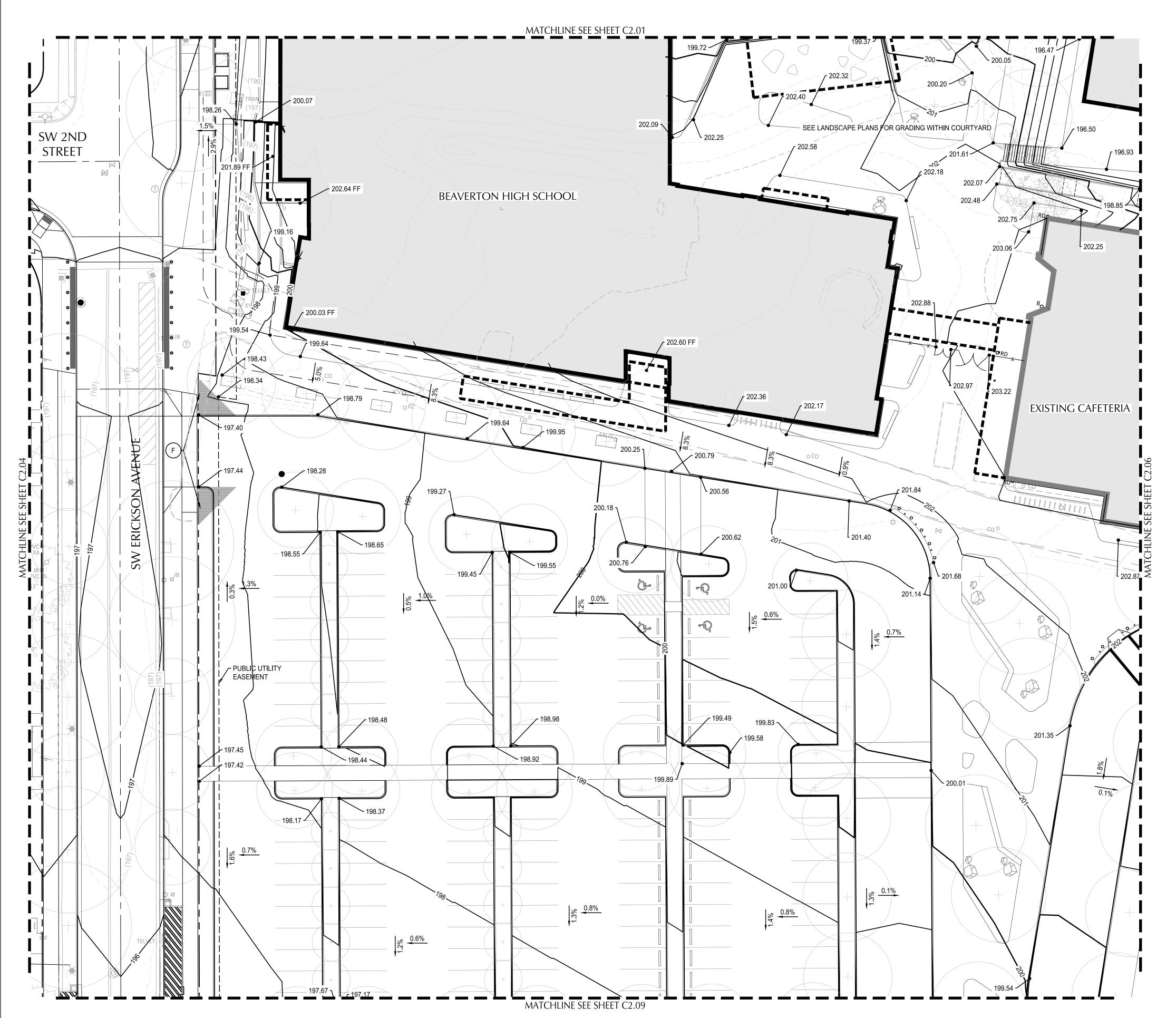
LAND USE RESUBMITTAL phase

SET 08/11/2023 21016 project

GRADING PLAN







- 1. SLOPES PROVIDED ON SLOPE ARROW ARE FOR REFERENCE ONLY.
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BEAVERTON

SCHOOL DISTRICT

111 SW Fifth Ave., Suite 2600 Portland, OR 97204 O: 503.542.3860 F: 503.274.4681 <u>www.kpff.com</u>

× KEY NOTES

- LANDING AT EX. DOOR. TYPICAL GRADING SHALL BE: TOP OF CONCRETE OUTSIDE DOOR = FFE MINUS 0.02-FT, SLOPE CONCRETE 1.5% AWAY FROM BLDG. (SPOT ELEVATIONS MAY NOT BE CORRECT, NOTIFY ENGINEER OF DISCREPANCIES)
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GRADING LABEL LEGEND

<u>CALLOUT</u>	DESCRIPTION
[X.X%]	SLOPE ORIENTATION INDICATING DIRECTION OF MAXIMUM GRADE (DOWNHILL)
XX.XX XX	 SPOT ELEVATION DESCRIPTION LISTED BELOW. NO DESCRIPTION MEANS TP OR TG
BOW BS BW EG FF	BACK OF WALK BOTTOM OF STEP BOTTOM OF WALL EXISTING GRADE FINISHED FLOOR

HIGH POINT LOW POINT RIM OF STRUCTURE TOP OF CURB TOP OF GROUND TOP OF PAVEMENT TOP OF STEP TOP WALL

(XXX.X±) EXISTING GRADE (MATCH WHERE APPLICABLE)

SHEET LEGEND

•	DRAINAGE FLOW DIRECTION
	GRADE BREAK
	SAWCUT LINE
49	EX. CONTOUR MINOR
	EX. CONTOUR MAJOR
49	CONTOUR MINOR (FG)
50	CONTOUR MAJOR (FG)

BEAVERTON HIGH SCHOOL REBUILD

13000 SW 2ND STREET BEAVERTON, OREGON 97005

BEAVERTON SCHOOL **DISTRICT**

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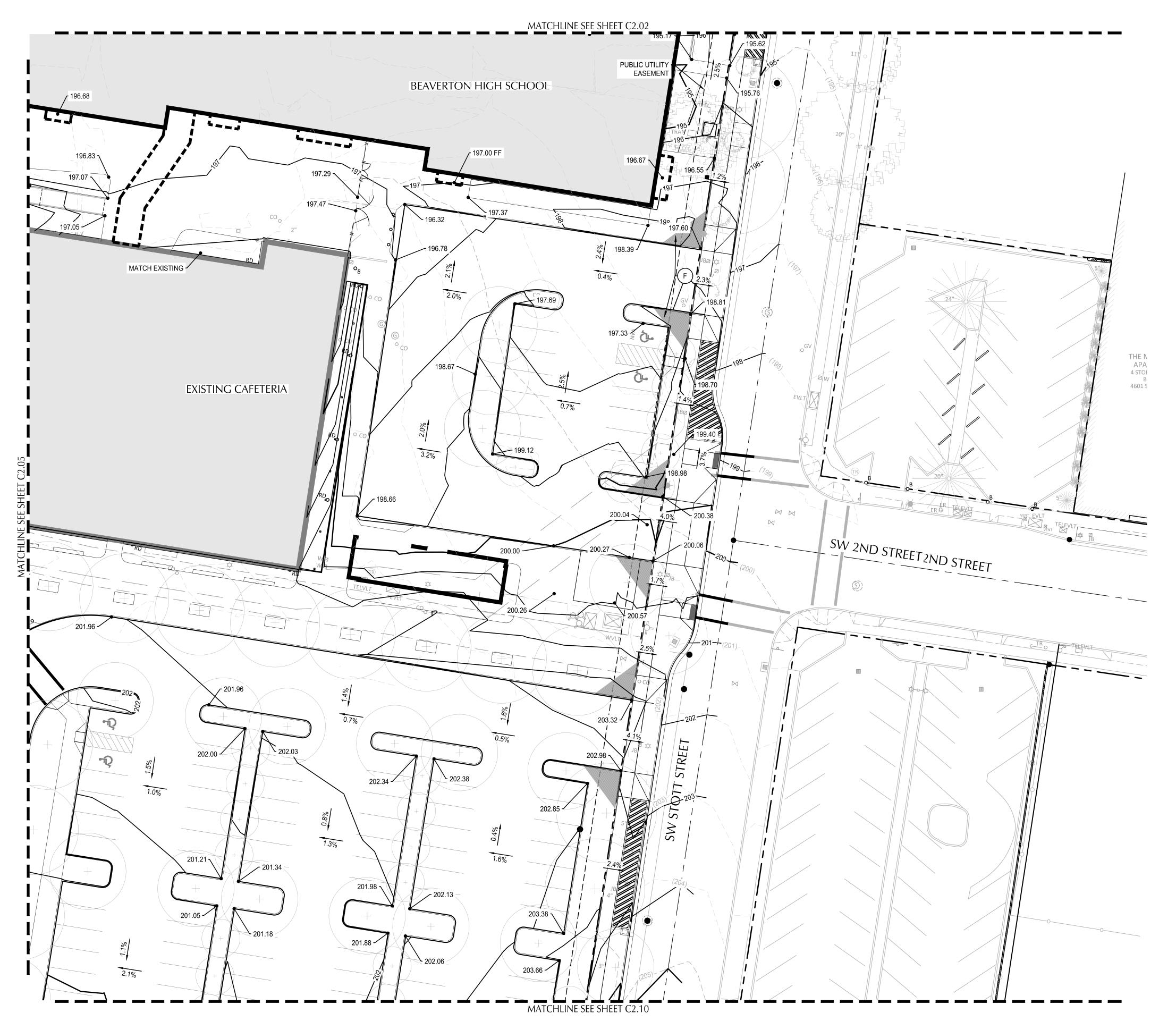
LAND USE RESUBMITTAL phase SET 08/11/2023 21016

GRADING PLAN

project







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	GRADE BREAK
	SAWCUT LINE
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	EX. CONTOUR MAJOR
49	CONTOUR MINOR (FG)
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BEAVERTON HIGH

SCHOOL REBUILD

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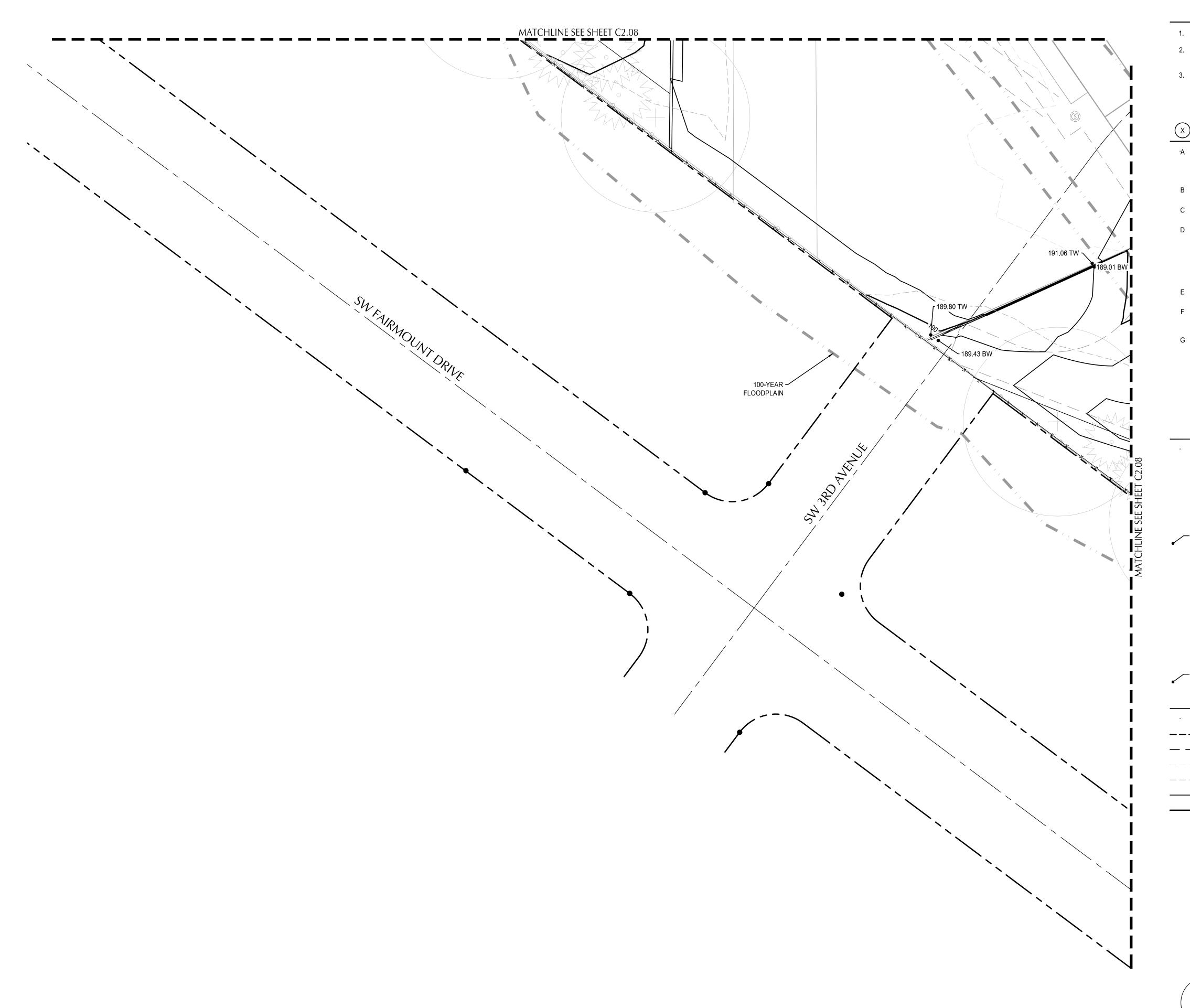
revisions

LAND USE RESUBMITTAL phase 08/11/2023 21016

project **GRADING PLAN**







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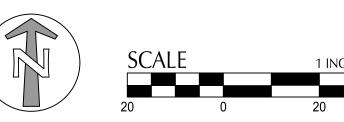


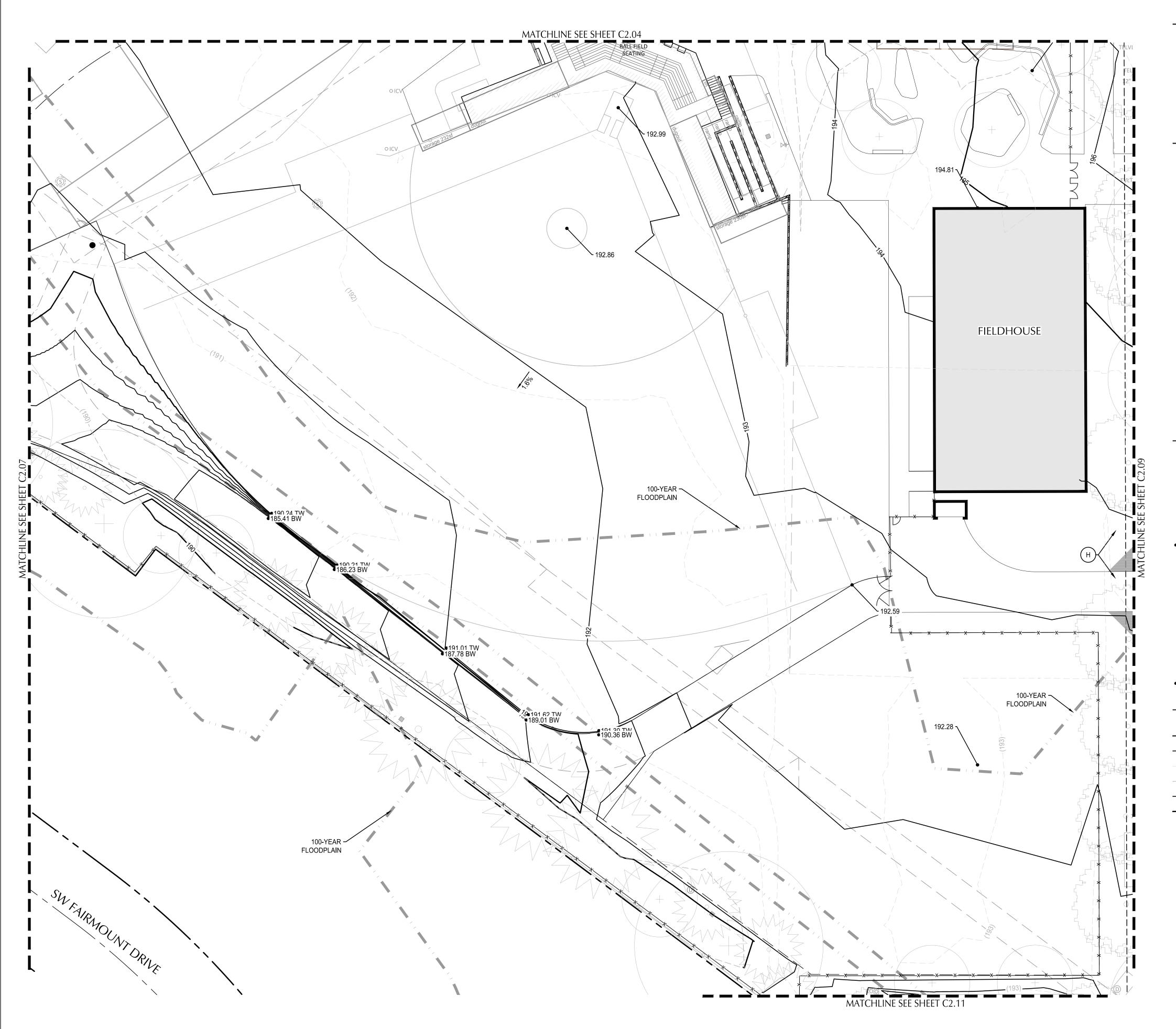
> 08/11/2023 21016

GRADING PLAN

date project

C2.07





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BEAVERTON

SCHOOL DISTRICT

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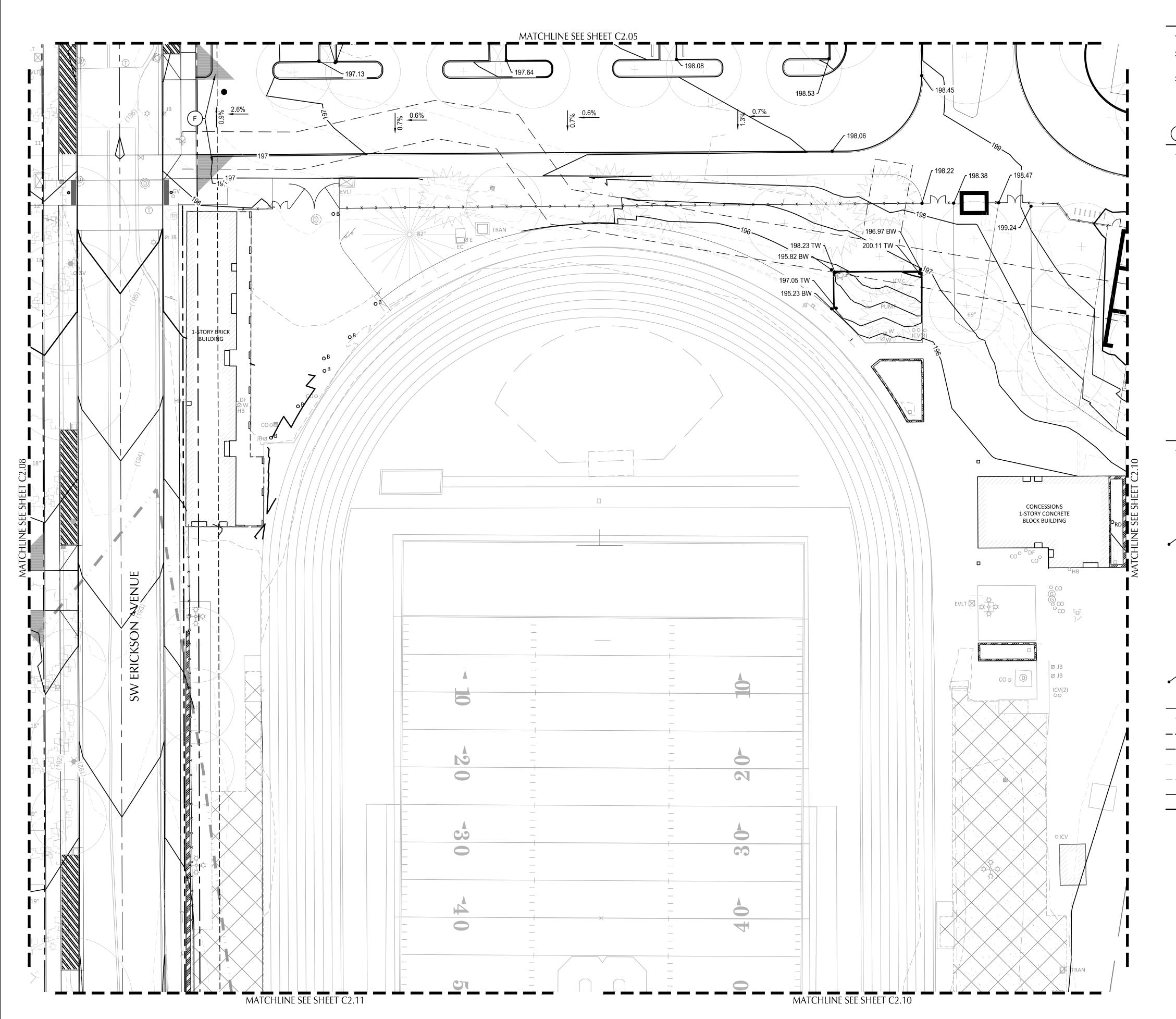
revisions	

phase LAND USE RESUBMITTAL SET

date 08/11/2023 21016

project | 21016 GRADING PLAN

C2.08



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BEAVERTON HIGH

SCHOOL REBUILD

13000 SW 2ND STREET BEAVERTON, OREGON 97005

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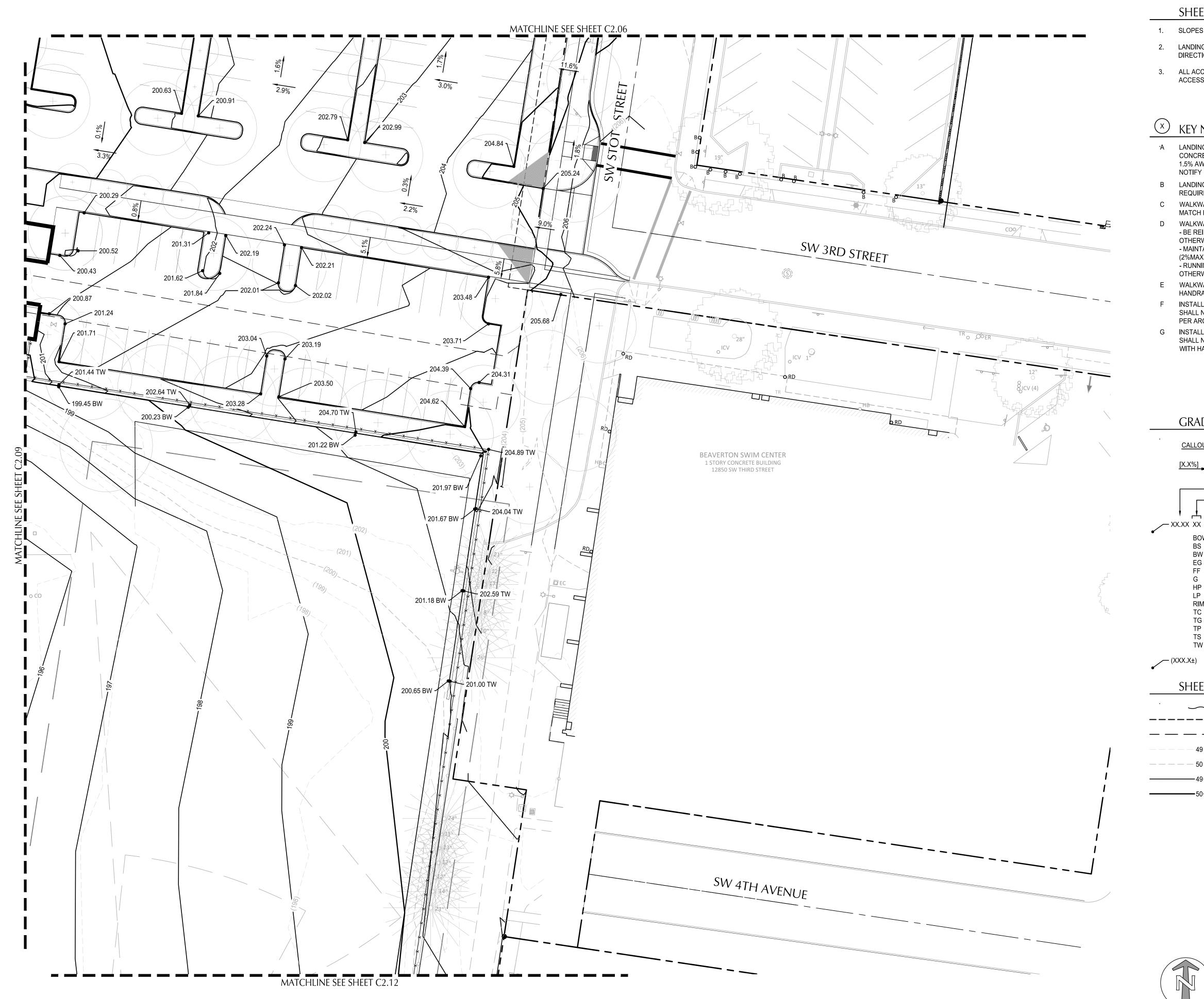
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LAND USE RESUBMITTAL phase SET 08/11/2023 21016 project

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DRAINAGE FLOW DIRECTION GRADE BREAK

EXISTING GRADE (MATCH WHERE APPLICABLE)

EX. CONTOUR MINOR EX. CONTOUR MAJOR CONTOUR MINOR (FG) CONTOUR MAJOR (FG)



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revisions

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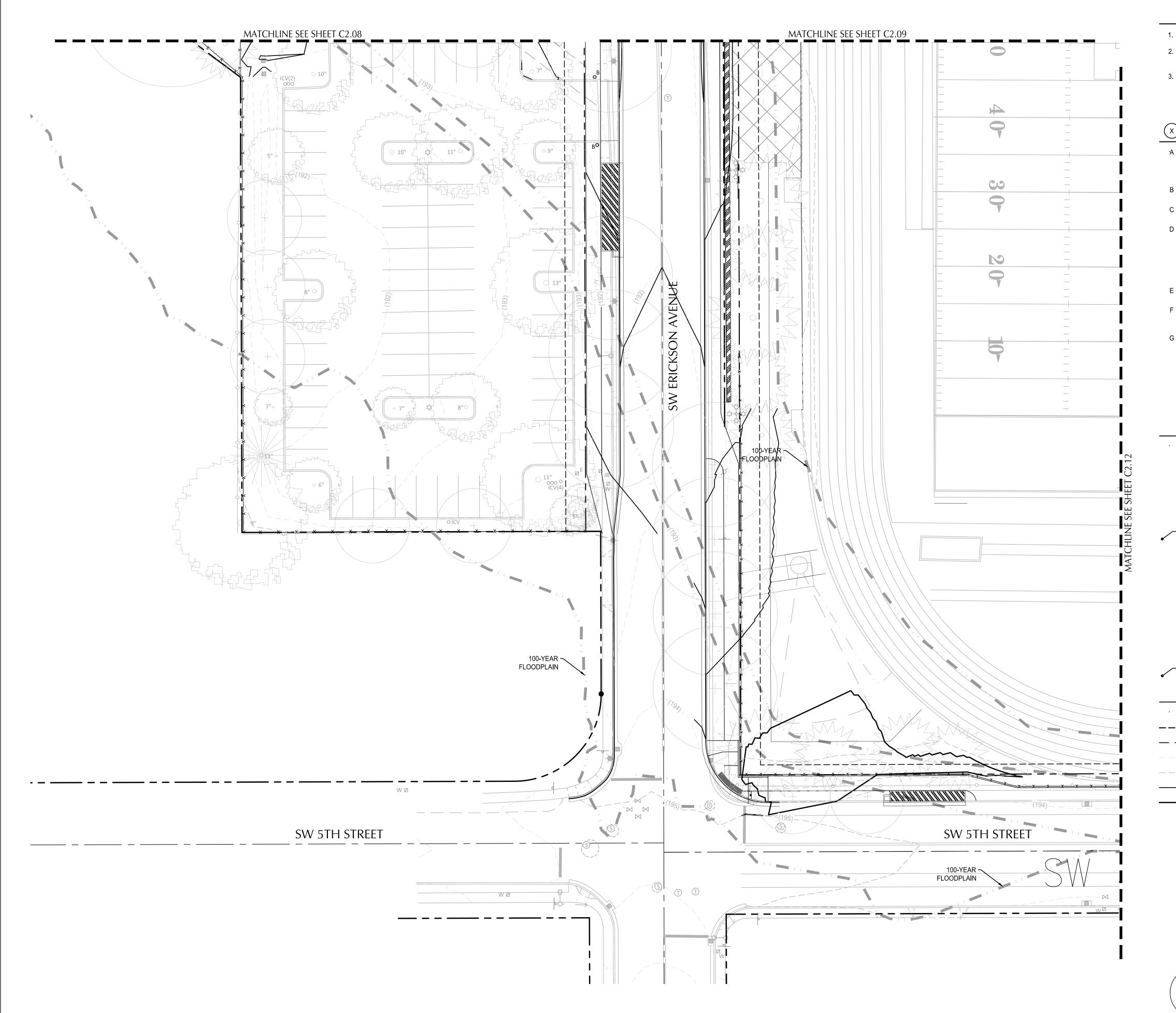
21016

GRADING PLAN

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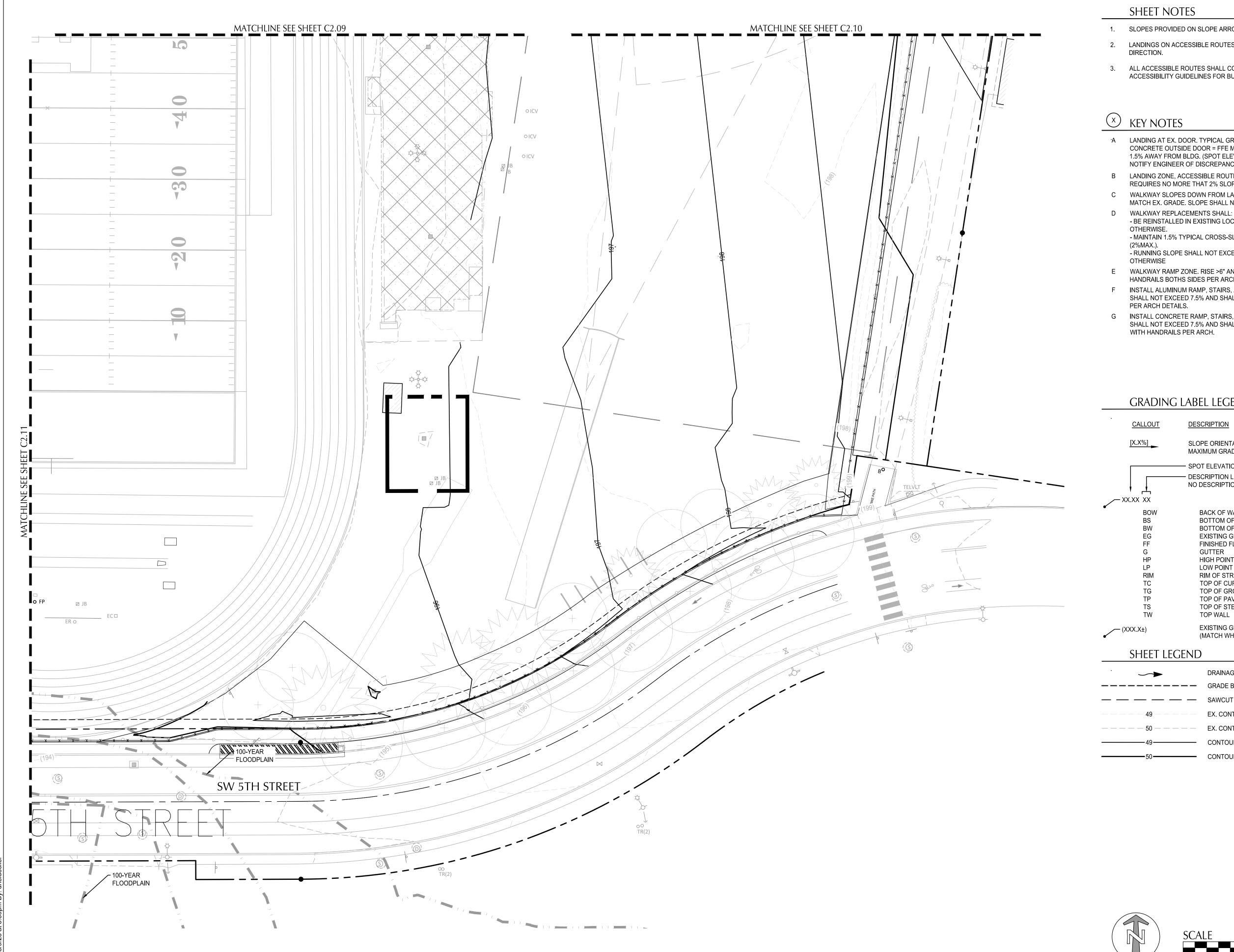
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LAND USE RESUBMITTAL phase SET 08/11/2023 21016 date project

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LOW POINT

RIM OF STRUCTURE TOP OF CURB TOP OF GROUND TOP OF PAVEMENT TOP OF STEP TOP WALL

CONTOUR MAJOR (FG)

EXISTING GRADE (MATCH WHERE APPLICABLE)

SHEET LEGEND

DRAINAGE FLOW DIRECTION **GRADE BREAK**

EX. CONTOUR MINOR EX. CONTOUR MAJOR CONTOUR MINOR (FG)





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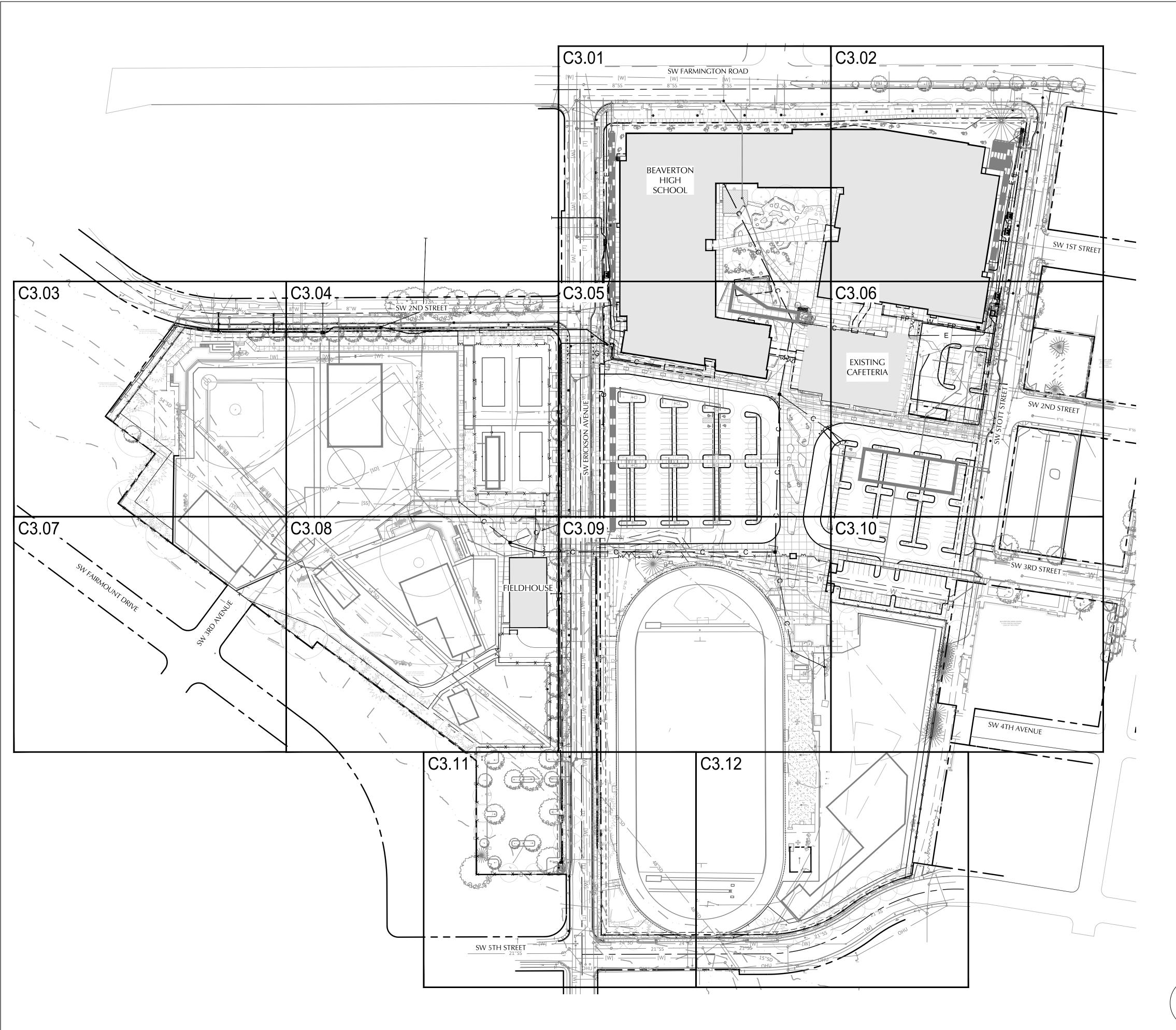
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LAND USE RESUBMITTAL phase SET 08/11/2023 21016

project **GRADING PLAN**













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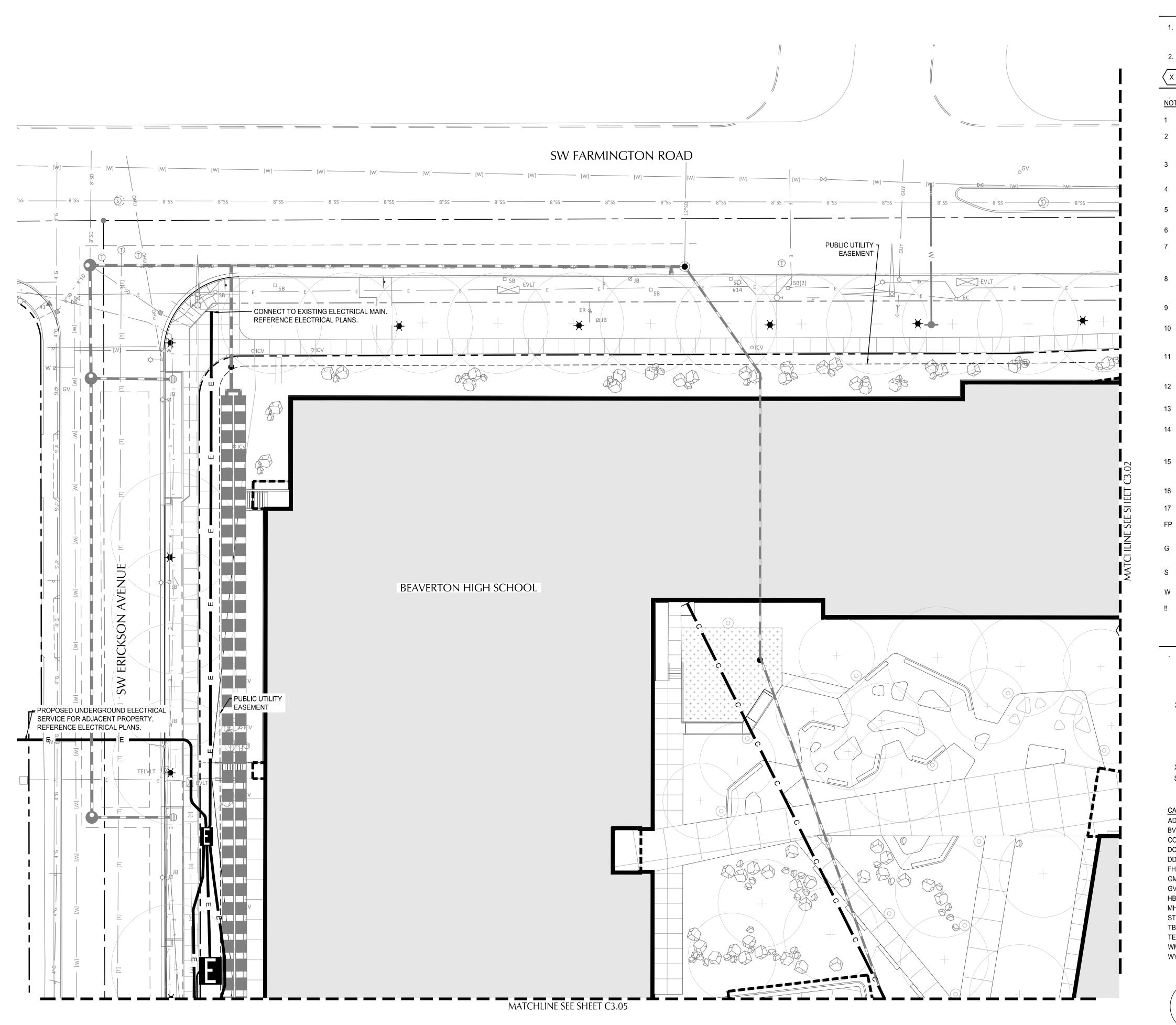
LAND USE RESUBMITTAL SET 08/11/2023 21016 date project

UTILITY OVERVIEW

C3.00







- 1. PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER DETAIL 300/C5.05.
- 2. STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE



. NOTE <u>DESCRIPTION</u>

DETAIL <u>REF.</u>

1 KILL EXISTING WATER SERVICE, BY WATER BUREAU.

INSTALL BUILDING MOUNTED FIRE HYDRANT. REFERENCE FIRE PROTECTION PLANS.

INSTALL BUILDING MOUNTED POST INDICATOR VALVE FOR BUILDING MOUNTED FIRE HYDRANT. VALVE IS TO REMAIN OPEN AT ALL TIMES. REFERENCE FIRE PROTECTION PLANS

REPLACE EXISTING SANITARY LATERAL.

- BUILDING CONNECTION FOR ELECTRICAL CONDUITS.

 5 REFERENCE ELECTRICAL PLANS FOR NUMBER AND SIZE OF CONDUITS.
- 6 INSTALL 4" RPBA
- , INSTALL 2" NATURAL GAS SERVICE. CONTRACTOR TO COORDINATE WITH NORTHWEST NATURAL.
- CONDUITS BETWEEN EXISTING SCHOOL BUILDING AND PROPOSED SCHOOL BUILDING. ELECTRICAL AND TELECOMMUNICATIONS CONDUITS ARE TO BE PLACED IN SEPARATE 15' WIDE EASEMENTS.

RE-ROUTE ELECTRICAL AND TELECOMMUNICATION

- 9 PROTECT EXISTING FIRE HYDRANT
- CONNECT NEW ELECTRICAL FEED FOR CAFETERIA

 10 BUILDING TO EXISTING METER. REFERENCE ELECTRICAL

 PLANS
- FIELD VERIFY LOCATION AND IE OF EXISTING 6" FIRE
 PROTECTION LINE. CONNECT TO EXISTING 6" FIRE
 PROTECTION LINE WITH 90° BEND.
- ELECTRICAL VAULT. REFERENCE ELECTRICAL PLANS FOR COMPONENTS AND CONNECTION INFORMATION.
- 13 INSTALL DOUBLE CHECK VAULT ASSEMBLY AND VAULT
- CONNECT TO PUBLIC SANITARY. REFERENCE PUBLIC

 14 IMPROVEMENT PLANS FOR PUBLIC SANITARY
 INFORMATION.
- 5 CONNECT TO EXISTING SANITARY LINE. CONTRACTOR TO POTHOLE EXISTING LINE AT POINT OF CONNECTION PRIOR TO INSTALLATION OF NEW LINE AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- INSTALL AREA DRAIN AT CENTER OF GARBAGE ENCLOSURE.
- AUXILIARY POTABLE WATER CONNECTION
- CONNECT TO FIRE PROTECTION SYSTEM. SIZE AS NOTED. SEE PLUMBING PLANS FOR CONTINUATION.
- CONNECT TO GAS METER. CONTRACTOR TO COORDINATE WITH GAS COMPANY. SEE PLUMBING PLANS FOR CONTINUATION.
- CONNECT TO WASTE LINE. SEE PLUMBING PLANS FOR
- CONNECT TO COLD WATER SYSTEM
- W CONNECT TO COLD WATER SYSTEM. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AS NOTED.
 - UTILITY CROSSING. PROVIDE 12" MIN. CLEARANCE, U.N.O.

UTILITY LABEL LEGEND

STRUCTURE LABEL

UTILITY TYPE

STRUCTURE TYPE CALLOUT

ID NUMBER (WHERE APPLICABLE)

XX XX-XX

PIPE LABEL

UTILITY LENGTH
UTILITY SIZE
UTILITY TYPE

XXLF - XX" XX

S=X.XX% SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

CALLOUTDESCRIPTIONADAREA DRAINBVBUTTERFLY VALVE

CO CLEAN OUT

DCVA DOUBLE CHECK VALVE ASSEMBLY

DDCV DOUBLE DETECTOR CHECK VALVE

FH FIRE HYDRANT
GM GAS METER

GM GAS METER
GV GATE VALVE
HB HORIZONTAL BEND
MH MANHOLE

MH MANHOLE
STUB STUB
TB THRUST BLOCK
TEE TEE CONNECTION

THRUST BLOCK
TEE CONNECTION
WATER METER
WYE CONNECTION









111 SW Fifth Ave., Suite 2600
Portland, OR 97204
O: 503.542.3860
F: 503.274.4681
www.kpff.com

BEAVERTON HIGH SCHOOL REBUILD

13000 SW 2ND STREET BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT

T 503-356-4500

1/C5.9

DETAIL REF.

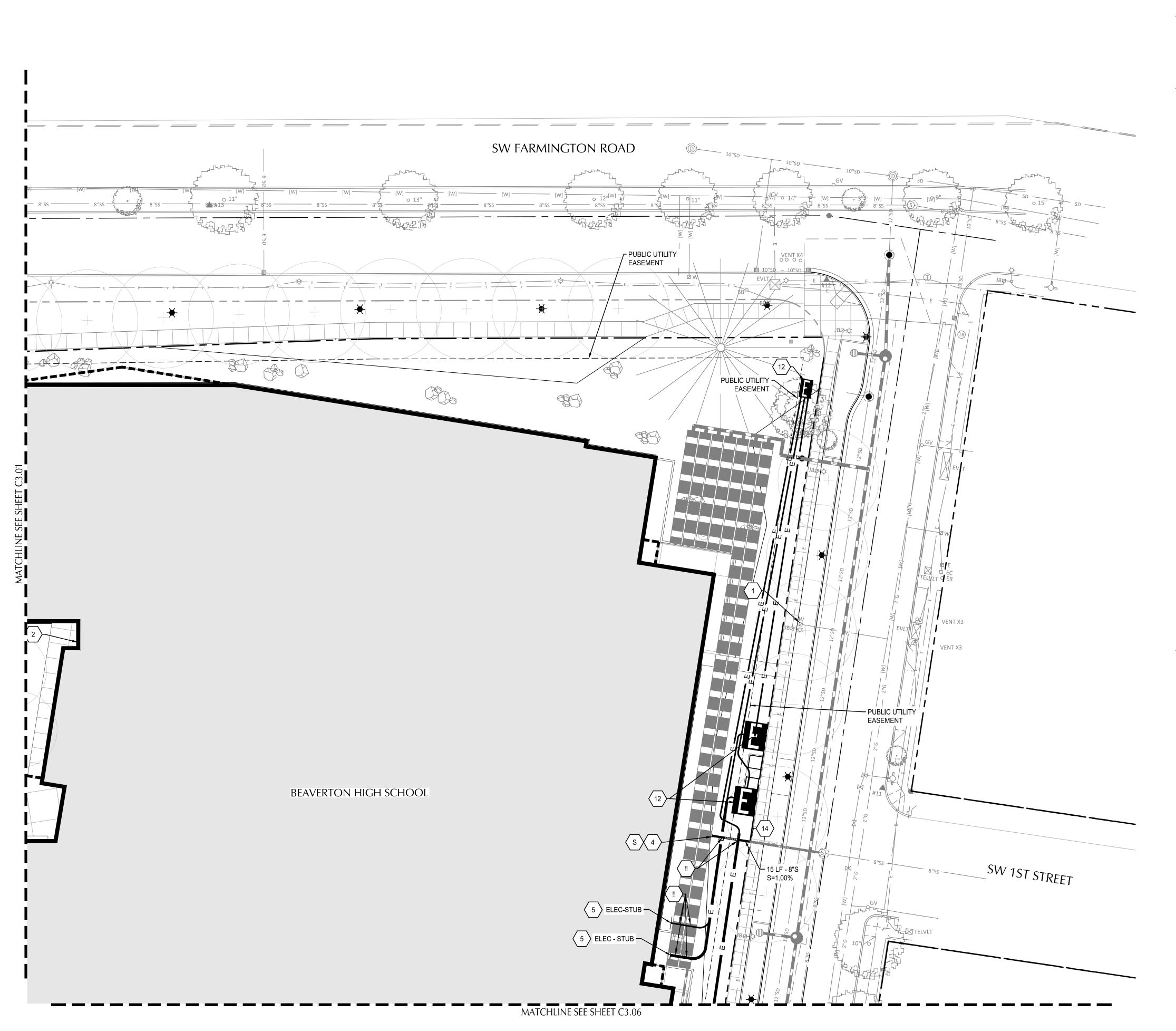


UTILITY PLAN

project

C3.01

21016



- 1. PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER DETAIL 300/C5.05.
- 2. STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE

$\langle x \rangle$ KEY NOTES

NOTE DESCRIPTION KILL EXISTING WATER SERVICE, BY WATER BUREAU.

INSTALL BUILDING MOUNTED FIRE HYDRANT. REFERENCE FIRE PROTECTION PLANS.

INSTALL BUILDING MOUNTED POST INDICATOR VALVE FOR BUILDING MOUNTED FIRE HYDRANT. VALVE IS TO

REMAIN OPEN AT ALL TIMES. REFERENCE FIRE PROTECTION PLANS

REPLACE EXISTING SANITARY LATERAL.

BUILDING CONNECTION FOR ELECTRICAL CONDUITS. REFERENCE ELECTRICAL PLANS FOR NUMBER AND SIZE OF CONDUITS.

INSTALL 4" RPBA

INSTALL 2" NATURAL GAS SERVICE. CONTRACTOR TO COORDINATE WITH NORTHWEST NATURAL.

RE-ROUTE ELECTRICAL AND TELECOMMUNICATION CONDUITS BETWEEN EXISTING SCHOOL BUILDING AND PROPOSED SCHOOL BUILDING. ELECTRICAL AND TELECOMMUNICATIONS CONDUITS ARE TO BE PLACED IN SEPARATE 15' WIDE EASEMENTS.

PROTECT EXISTING FIRE HYDRANT

CONNECT NEW ELECTRICAL FEED FOR CAFETERIA BUILDING TO EXISTING METER. REFERENCE ELECTRICAL

FIELD VERIFY LOCATION AND IE OF EXISTING 6" FIRE PROTECTION LINE. CONNECT TO EXISTING 6" FIRE PROTECTION LINE WITH 90° BEND.

ELECTRICAL VAULT. REFERENCE ELECTRICAL PLANS FOR COMPONENTS AND CONNECTION INFORMATION.

13 INSTALL DOUBLE CHECK VAULT ASSEMBLY AND VAULT

CONNECT TO PUBLIC SANITARY. REFERENCE PUBLIC IMPROVEMENT PLANS FOR PUBLIC SANITARY INFORMATION.

CONNECT TO EXISTING SANITARY LINE. CONTRACTOR TO POTHOLE EXISTING LINE AT POINT OF CONNECTION PRIOR TO INSTALLATION OF NEW LINE AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

INSTALL AREA DRAIN AT CENTER OF GARBAGE ENCLOSURE.

AUXILIARY POTABLE WATER CONNECTION

CONNECT TO FIRE PROTECTION SYSTEM. SIZE AS NOTED. SEE PLUMBING PLANS FOR CONTINUATION. CONNECT TO GAS METER. CONTRACTOR TO

COORDINATE WITH GAS COMPANY. SEE PLUMBING PLANS FOR CONTINUATION. CONNECT TO WASTE LINE. SEE PLUMBING PLANS FOR

CONTINUATION. SIZE AS NOTED.

CONNECT TO COLD WATER SYSTEM. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AS NOTED.

!! UTILITY CROSSING. PROVIDE 12" MIN. CLEARANCE, U.N.O.

UTILITY LABEL LEGEND

STRUCTURE LABEL

——— UTILITY TYPE —— STRUCTURE TYPE CALLOUT ——— ID NUMBER (WHERE APPLICABLE)

PIPE LABEL

UTILITY LENGTH
UTILITY SIZE
UTILITY TYPE

XXLF - XX" XX

S=X.XX% SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

<u>CALLOUT</u> <u>DESCRIPTION</u> AREA DRAIN BUTTERFLY VALVE CLEAN OUT

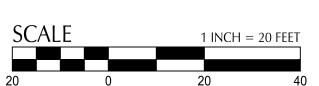
DOUBLE CHECK VALVE ASSEMBLY DOUBLE DETECTOR CHECK VALVE

GAS METER

GATE VALVE HORIZONTAL BEND MANHOLE

THRUST BLOCK TEE CONNECTION WATER METER WYE

WYE CONNECTION









111 SW Fifth Ave., Suite 2600 Portland, OR 97204 O: 503.542.3860 F: 503.274.4681 www.kpff.com

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13000 SW 2ND STREET BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT

T 503-356-4500

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DETAIL REF.



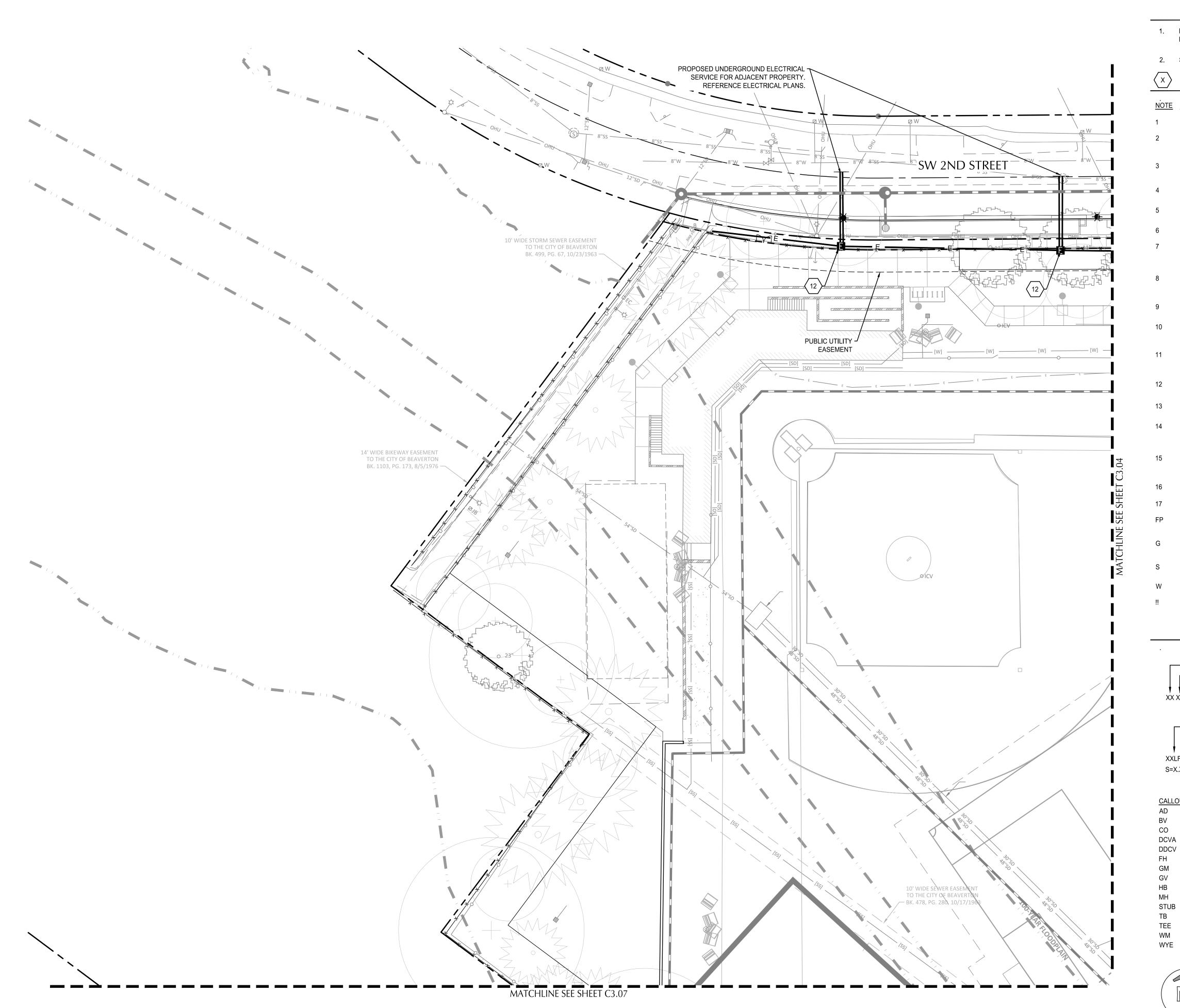
revisions LAND USE RESUBMITTAL phase SET

project UTILITY PLAN

C3.02

08/11/2023

21016



- 1. PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER DETAIL 300/C5.05.
- 2. STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE.



NOTE DESCRIPTION

REF.

KILL EXISTING WATER SERVICE, BY WATER BUREAU.

- INSTALL BUILDING MOUNTED FIRE HYDRANT. REFERENCE FIRE PROTECTION PLANS.
- INSTALL BUILDING MOUNTED POST INDICATOR VALVE FOR BUILDING MOUNTED FIRE HYDRANT. VALVE IS TO REMAIN OPEN AT ALL TIMES. REFERENCE FIRE PROTECTION PLANS
- REPLACE EXISTING SANITARY LATERAL.
- BUILDING CONNECTION FOR ELECTRICAL CONDUITS. REFERENCE ELECTRICAL PLANS FOR NUMBER AND SIZE OF CONDUITS.
- **INSTALL 4" RPBA**
- INSTALL 2" NATURAL GAS SERVICE. CONTRACTOR TO COORDINATE WITH NORTHWEST NATURAL.
- CONDUITS BETWEEN EXISTING SCHOOL BUILDING AND PROPOSED SCHOOL BUILDING. ELECTRICAL AND TELECOMMUNICATIONS CONDUITS ARE TO BE PLACED IN SEPARATE 15' WIDE EASEMENTS.

RE-ROUTE ELECTRICAL AND TELECOMMUNICATION

- PROTECT EXISTING FIRE HYDRANT
- CONNECT NEW ELECTRICAL FEED FOR CAFETERIA BUILDING TO EXISTING METER. REFERENCE ELECTRICAL
- FIELD VERIFY LOCATION AND IE OF EXISTING 6" FIRE PROTECTION LINE. CONNECT TO EXISTING 6" FIRE PROTECTION LINE WITH 90° BEND.
- ELECTRICAL VAULT. REFERENCE ELECTRICAL PLANS FOR COMPONENTS AND CONNECTION INFORMATION.
- 13 INSTALL DOUBLE CHECK VAULT ASSEMBLY AND VAULT
- CONNECT TO PUBLIC SANITARY. REFERENCE PUBLIC IMPROVEMENT PLANS FOR PUBLIC SANITARY
- INFORMATION. CONNECT TO EXISTING SANITARY LINE. CONTRACTOR TO POTHOLE EXISTING LINE AT POINT OF CONNECTION
- PRIOR TO INSTALLATION OF NEW LINE AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- INSTALL AREA DRAIN AT CENTER OF GARBAGE ENCLOSURE.
- AUXILIARY POTABLE WATER CONNECTION
- CONNECT TO FIRE PROTECTION SYSTEM. SIZE AS NOTED. SEE PLUMBING PLANS FOR CONTINUATION. CONNECT TO GAS METER. CONTRACTOR TO
- COORDINATE WITH GAS COMPANY. SEE PLUMBING PLANS FOR CONTINUATION.
- CONNECT TO WASTE LINE. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AS NOTED.
- CONNECT TO COLD WATER SYSTEM. SEE PLUMBING
- PLANS FOR CONTINUATION. SIZE AS NOTED.
- !! UTILITY CROSSING. PROVIDE 12" MIN. CLEARANCE, U.N.O.

UTILITY LABEL LEGEND

STRUCTURE LABEL

----- UTILITY TYPE ——— STRUCTURE TYPE CALLOUT ID NUMBER (WHERE APPLICABLE) XX XX-XX

PIPE LABEL

UTILITY LENGTH
UTILITY SIZE UTILITY TYPE

XXLF - XX" XX

S=X.XX% SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

<u>CALLOUT</u> <u>DESCRIPTION</u> AREA DRAIN **BUTTERFLY VALVE** CLEAN OUT DOUBLE CHECK VALVE ASSEMBLY

DOUBLE DETECTOR CHECK VALVE FIRE HYDRANT

GAS METER GATE VALVE HORIZONTAL BEND MANHOLE

STUB THRUST BLOCK TEE CONNECTION WATER METER

WYE CONNECTION









111 SW Fifth Ave., Suite 2600 Portland, OR 97204 O: 503.542.3860 F: 503.274.4681 www.kpff.com

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13000 SW 2ND STREET BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT

T 503-356-4500

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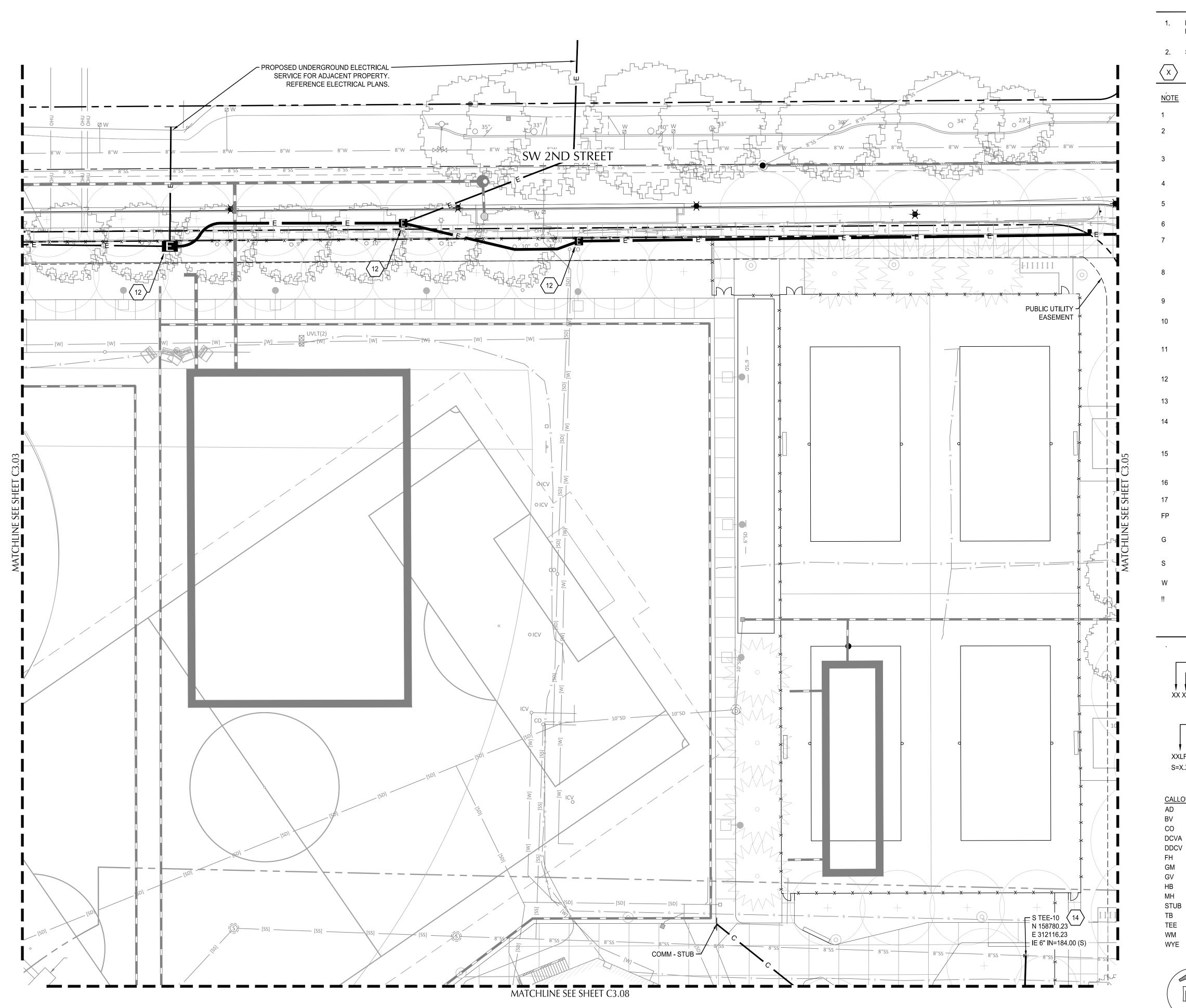


revisions	
phase	LAND USE RESUBMITTAL SET
date project	08/11/2023 21016

UTILITY PLAN

project

C3.03



- 1. PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER DETAIL 300/C5.05.
- 2. STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE

× KEY NOTES

NOTE DESCRIPTION

DETAIL <u>REF.</u>

1 KILL EXISTING WATER SERVICE, BY WATER BUREAU.

- INSTALL BUILDING MOUNTED FIRE HYDRANT. REFERENCE FIRE PROTECTION PLANS.
- INSTALL BUILDING MOUNTED POST INDICATOR VALVE
- FOR BUILDING MOUNTED FIRE HYDRANT. VALVE IS TO REMAIN OPEN AT ALL TIMES. REFERENCE FIRE PROTECTION PLANS
- REPLACE EXISTING SANITARY LATERAL.
- BUILDING CONNECTION FOR ELECTRICAL CONDUITS.

 5 REFERENCE ELECTRICAL PLANS FOR NUMBER AND SIZE OF CONDUITS.
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- CONNECT TO EXISTING SANITARY LINE. CONTRACTOR
 TO POTHOLE EXISTING LINE AT POINT OF CONNECTION
- PRIOR TO INSTALLATION OF NEW LINE AND NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 16 INSTALL AREA DRAIN AT CENTER OF GARBAGE ENCLOSURE.
- 17 AUXILIARY POTABLE WATER CONNECTION
- FP CONNECT TO FIRE PROTECTION SYSTEM. SIZE AS NOTED. SEE PLUMBING PLANS FOR CONTINUATION.

 CONNECT TO GAS METER. CONTRACTOR TO
- COORDINATE WITH GAS COMPANY. SEE PLUMBING PLANS FOR CONTINUATION.

 CONNECT TO WASTE LINE. SEE PLUMBING PLANS FOR
- CONTINUATION. SIZE AS NOTED.
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UTILITY LABEL LEGEND

STRUCTURE LABEL

UTILITY TYPE

STRUCTURE TYPE CALLOUT

ID NUMBER (WHERE APPLICABLE)

XX XX-XX

PIPE LABEL

UTILITY LENGTH
UTILITY SIZE
UTILITY TYPE

XXLF - XX" XX

S=X.XX% SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

CALLOUT DESCRIPTION
AD AREA DRAIN
BV BUTTERFLY VALVE
CO CLEAN OUT

DCVA DOUBLE CHECK VALVE ASSEMBLY
DDCV DOUBLE DETECTOR CHECK VALVE
FIRE HYDRANT

GAS METER
GV GATE VALVE
HB HORIZONTAL BEND
MH MANHOLE

STUB STUB
TB THRUST BLOCK
TEE TEE CONNECTION
WM WATER METER

WATER METER
WYE CONNECTION









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BEAVERTON HIGH SCHOOL REBUILD

13000 SW 2ND STREET BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT

T 503-356-4500

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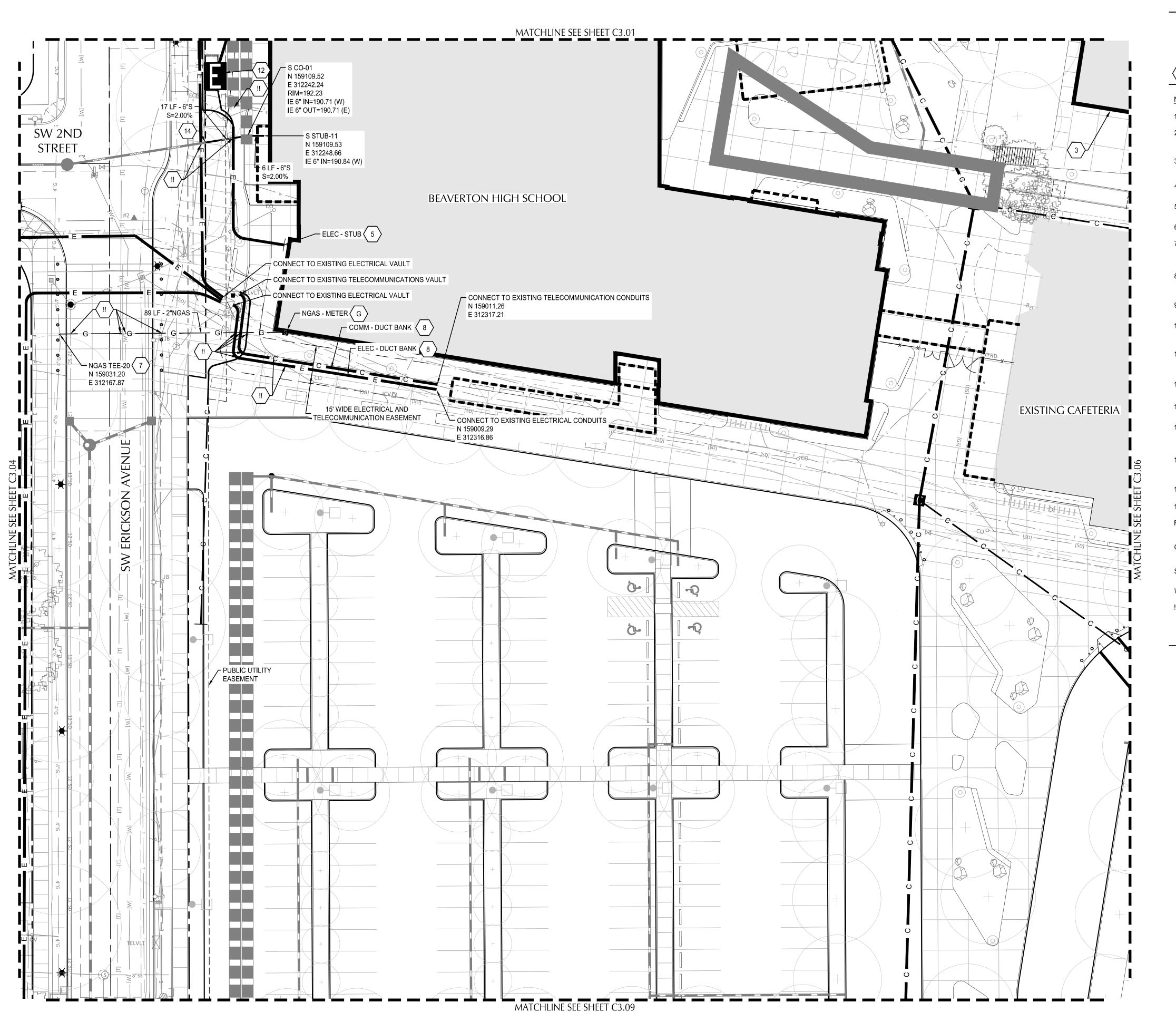
UTILITY PLAN

project

C3.04

08/11/2023

21016



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NOTE DESCRIPTION

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- PLANS FOR CONTINUATION. SIZE AS NOTED.

 UTILITY CROSSING. PROVIDE 12" MIN. CLEARANCE, U.N.O.
 - UTILITY LABEL LEGEND

STRUCTURE LABEL

UTILITY TYPE

STRUCTURE TYPE CALLOUT

ID NUMBER (WHERE APPLICABLE)

PIPE LABEL

UTILITY LENGTH
UTILITY SIZE
UTILITY TYPE

XXLF - XX" XX

S=X.XX% SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

CALLOUT DESCRIPTION

AD AREA DRAIN

BV BUTTERFLY VALVE

CLEAN OUT

CVA DOUBLE CHECK VALVE ASSEMBLY

DOV DOUBLE DETECTOR CHECK VALVE

FH FIRE HYDRANT
GM GAS METER
GV GATE VALVE

HB HORIZONTAL BEND
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THRUST BLOCK
TEE CONNECTION
WATER METER
WYE CONNECTION









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